PORT TAMPA BAY

PORT TAMPA BAY
MONTHLY BUSINESS MEETING
NOVEMBER 18, 2025 - 9:30 AM

A. **INVOCATION - PLEDGE OF ALLEGIANCE** 3

INSTALLATION OF NEW COMMISSIONERS TO THE PORT TAMPA BAY BOARD

PUBLIC COMMENT

B. **MINUTES AND FINANCIAL STATEMENT** 4

RECEIPT OF THE MINUTES OF OCTOBER 21, 2025, BOARD MEETING

PRESENTATION OF THE QUARTERLY CARGO AND CRUISE REPORT

PRESENTATION AND RECEIPT OF THE FINANCIAL STATEMENT FOR THE MONTH ENDING OCTOBER 31, 2025

C. **CONSENT AGENDA** 14

1. **CONSENT TO ASSIGNMENT AND ASSUMPTION OF LEASE FROM NORTH ATLANTIC INTERNATIONAL OCEAN CARRIER, INC. TO QUALITY CONTAINER TRANSPORT, INC.** 15
2. **EASEMENT AGREEMENT WITH TAMPA PORT SERVICES, LLC** 18
3. **TAMPA ELECTRIC COMPANY SITE IMPROVEMENT PERMIT TO INCREASE THE ELECTRICAL CAPACITY AT PORT REDWING** 27
4. **SITE IMPROVEMENT PERMIT FOR REDWING MATERIALS I, LLC** 29
5. **APPOINTMENT OF PUBLIC HEARING OFFICERS** 31

D. **REGULAR AGENDA** 32

1. **CONSENT TO CHANGE OF OWNERSHIP OF PURAGLOBE FLORIDA, LLC** 33
2. **LEASE AMENDMENT WITH CARGILL INC. D/B/A CARGILL SALT (BERTH 256)** 35
3. **LEASE AMENDMENT WITH CARGILL, INC. D/B/A CARGILL SALT** 45
4. **STANDARD WORK PERMIT APPLICATION #23-044 - RD RWD TAMPA, LLC TRUSTEE FOR THE RIVERWALK DISTRICT WATERFRONT PROJECT AT 102 S. PARKER ST., TAMPA, FLORIDA** 57

5. **STANDARD WORK PERMIT APPLICATION #25-013 - TAMPA PORT AUTHORITY ENGINEERING DEPARTMENT - PROPOSED CONSTRUCTION OF BERTH 301 LOCATED AT 6059 DIANA TOLEDO ALMEIDA ROAD, GIBSONTON, FLORIDA, PORT REDWING CHANNEL** **393**

6. **MODIFICATION OF POLICY ON SITE IMPROVEMENT PERMITS POLICY** **819**

7. **MODIFICATION OF POLICY ON EXPENDITURE OF FUNDS BY PORT DIRECTOR AND STAFF** **836**

E. **RECEIPT OF REPORTS** **838**

1. **REPORT OF MONTHLY AGED RECEIVABLES** **839**

2. **REPORT OF MONTHLY CONTRACT STATUS** **845**

3. **REPORT OF MONTHLY WORK PERMITS** **847**

4. **REPORT OF EXPENDITURES BETWEEN $50,000 AND $100,000** **849**

F. **EXECUTIVE DIRECTOR REPORT** **850**

G. **PRESENTATIONS**

H. **NEW BUSINESS/COMMISSIONERS' COMMENTS**

I. **FUTURE PROPOSED PROJECTS** **851**

J. **CALENDAR OF EVENTS** **852**

K. **DATE OF NEXT MEETING**

TUESDAY, DECEMBER 16, 2025 AT 9:30 AM IN PORT TAMPA BAY BOARDROOM

L. **ADJOURNMENT**

A. INVOCATION AND PLEDGE OF ALLEGIANCE

INSTALLATION OF NEW COMMISSIONERS TO THE PORT TAMPAY BAY BOARD

- CHRISTOPHER CARRERE
- MARK KAPLAN

PUBLIC COMMENT

B. APPROVAL OF MINUTES

RECEIPT OF THE MINUTES OF THE OCTOBER 21, 2025 BOARD MEETING

PRESENTATION OF THE QUARTERLY CARGO AND CRUISE REPORT

PRESENTATION AND RECEIPT OF FINANCIAL STATEMENT FOR MONTH ENDING OCTOBER 31, 2025

PORT TAMPA BAY

Board of Commissioners Meeting Minutes

Date: October 21, 2025
Location: Port Tampa Bay Headquarters, 1101 Channelside Drive, Tampa, Florida

The following Board Members were present:

Chad W. Harrod	Chairman	Seat #1
Ted Conner	Vice Chairman	Seat #3
Patrick H. Allman	Secretary/Treasurer	Seat #5
The Honorable Christine Miller	Commissioner	Seat #6
The Honorable Mayor Jane Castor	Commissioner	Seat #7

(Seats 2 and 4 are currently empty)

Port Tampa Bay senior staff present:

Paul Anderson	President and CEO
Charles Klug	Principal Counsel
Mike Poole	Chief Financial Officer
Brian Giuliani	Chief Operating Officer
Ken Washington	Vice President & Chief Information Officer
Greg Lovelace	Sr. Vice President of Marketing & Business Development
Patrick Blair	Vice President of Engineering
Mark Dubina	Vice President of Security
Ram Kancharla	Vice President of Planning and Development
Karl Strauch	Vice President of Marketing
Matthew Thompson	Vice President of Operations
Joeanne Toledo	Vice President of Human Resources
Ed Washington	Vice President of Real Estate
Thomas Hobbs	Chief of Staff

The Public Attendance Sign-in Sheet is Attachment “A”.

Chairman Chad Harrod called the meeting to order at 9:33 a.m. and welcomed attendees, staff, and the public.

A. Invocation and Pledge of Allegiance

Chaplain Steve Finnesy led the Invocation and the Pledge of Allegiance.

Public Comment

No public comments were received.

B. Approval of Meeting Minutes:

Chair Harrod received the following sets of minutes for approval:

- September 16, 2025, Board Meeting
- August 18, 2025, Budget Workshop
- September 3, 2025, Tentative Millage Rate and Budget Hearing
- September 18, 2025, Final Millage Rate and Budget Hearing

Motion: Commissioner Ted Conner moved to approve all minutes
Second: Commissioner Christine Miller
Vote: Motion carried unanimously

Financial Report

Presenter: Michael Poole, CFO

Mr. Poole presented unaudited year-end financial results for FY2025, noting that revenues and operating income exceeded budget forecasts and prior-year results. He attributed the strong performance to increased cruise passengers, petroleum volumes, growth in lease revenues, and controlled expenses. The Port achieved a strong operating margin and maintains a sound financial position. He noted that audited statements will be presented in early 2026 by Mauldin & Jenkins. Chair Harrod inquired about interest income and Mr. Poole stated he would research the issue.

Mr. Anderson highlighted record revenue, operating income, cruise passenger counts, container throughput, and petroleum volumes. He noted a continued reduction in ad valorem tax reliance, an A+ stable Fitch rating, property acquisition progress, and infrastructure expansion efforts. He commended Port staff for outstanding performance and teamwork.

Motion: Commissioner Miller moved to receive the FY2025 financial statements
Second: Mayor Jane Castor
Vote: Motion carried unanimously

C. Consent Agenda

C-1 **Approval of Office Space Lease Agreement with Multinational Logistical Services (MLS) BC Cruises, Inc**.

C-2 **Approval of Site Improvements Permit (SIP #0025-26) and easement with City of Tampa to Install a P-11 Concrete Service Pole on the Northeast Corner of Channelside Drive and 12th Street.**

Motion: Commissioner Conner moved to approve the Consent Agenda
Second: Commissioner Miller
Vote: Motion carried unanimously

D. Regular Agenda Items

D-1: Presenter: Ram Kancharla
Approval of Florida Department of Transportation (FDOT) – Public Transportation Grant Agreement #453837-1-94-01 for Port Redwing Berth 301 (FY2027/28 and FY2028-29)

Motion: Mayor Castor moved to approve
Second: Commissioner Conner
Vote: Motion carried unanimously

D-2: Presenter: Ram Kancharla
Approval of the Harbor Deepening Contract with U. S. Army Corps of Engineers for the Cost Share for the Pre-Construction, Engineering and Design of Phase 1

Mr. Kancharla noted that the total cost of Phase 1 of the PED is $8,368,00 and that PTB will be matching it with $2,092,000; however, only $873,000 is currently required as PTB's match. He also stated that PTB would be using grants from the Florida Department of Transportation as part of its match. Mayor Castor commended the PTB staff on their work in receiving grants for port projects.

In response to Chair Harrod's inquiry about spoil disposal sites, Mr. Kancharla noted that the spoil islands would be used for the Upper Channel and that many sites have been identified for beneficial use including Egmont Key restoration.

In response to an inquiry from Commissioner Allman, Patrick Blair stated that the East Side of Hooker's Point would be deepened up to Berths 201 and 202 from 34 to 37 or 39 feet, the General Cargo Terminals would be deepened to from 43 to 47 feet from Berths 210 to 214 and the west side of Hooker's Point would be deepened from 43 to 47 feet up to REK Pier area.

Motion: Commissioner Allman moved to approve
Second: Mayor Castor
Vote: Motion carried unanimously

D-3: Presenter: Patrick Blair
Approval to Award Contract for Repair of Berth 209 Warehouse

Chair Harrod inquired about the insurance coverage for the repaired warehouse and the level of the fire suppression system. Mr. Blair confirmed that the Reno contract price includes both the design of the fire suppression system as well as its installation.

Motion: Mayor Castor moved to approve
Second: Commissioner Miller
Vote: Motion carried unanimously

D-4: Presenter: Thomas Hobbs
Approval of the Amendment to the Strategic Communications Agreement with Mercury Public Affairs, LLC

In response to Chair Harrod's inquiry concerning the term of the amended contract, Mr. Klug stated that it would be on a month-to-month basis not to exceed six months.

Motion: Commissioner Conner moved to approve
Second: Mayor Castor
Vote: Motion carried unanimously

D-5: Presenter: Mark Dubina
Approval of the Gate Arm Control System Upgrade

Chair Harrod inquired about the threshold amount for the Port President/CEO's approval. Mr. Klug stated that it the spending limit was established by the PTB Board at $100,000 in 2013 and has not been increased or modified since then. Mr. Harrod inquired whether the spending limit policy could be modified, and Mr. Klug confirmed that it could and that he would bring an amendment to the Expenditure of Funds policy to the Board at the November Board meeting. Mayor Castor requested some data on the increase in project costs and other expenditures. With respect to his spending limit, Mr. Anderson stated that he was authorized to spend up to $250,000 at JaxPort in 2012.
.
Motion: Mayor Castor moved to approve
Second: Commissioner Miller
Vote: Motion carried unanimously

E. Receipt of Reports

E-1 Report of Monthly Aged Receivables
E-2 Report of Monthly Contract Status Report
E-3 Report of Monthly Work Permits Report
E-4 Report of Expenditures between $50,000 and $100,000

Motion: Mayor Castor moved to receive reports
Second: Commissioner Miller
Vote: Approved unanimously

F. Executive Director's Report

Port President and CEO Tours MacDill:

Mr. Anderson and Port staff paid a visit to MacDill Air Force Base as part of an exchange with our military partners. As an Honorary Base Commander, he had the pleasure of being hosted by Colonel Robert P. "Mags" Magee, Commander of the 6th Mission Support Group.
The visit included demonstrations from several specialties of the military, including Explosive Ordnance Disposal, drone operations, security, and waterborne operations. Mr. Anderson added that more than 20% of Port Tampa Bay's staff have served in the military.

Congresswoman Laurel Lee Staff Visit to PTB:

Mr. Anderson stated that the port was pleased to welcome Congresswoman Laurel Lee's staff to Port Tampa Bay last month. It was a great visit and opportunity to highlight how the port keeps goods moving, creates jobs, and strengthens supply chains for our region and state.

PTB Hosts SelectFlorida Board Meeting:

As a partner with SelectFlorida Mr. Anderson hosted their Board of Directors meeting in October SelectFlorida is Florida's official international commerce organization, as a part of the Florida Department of Commerce.
The gathering of board members and guests provided a meaningful opportunity to highlight the port's role as Florida's largest and most diverse port, and its importance for international trade and economic development. Following the meeting, attendees toured the port by boat to see firsthand the scale and opportunity that Port Tampa Bay provides.

PTB Staff Attended Breakbulk Conference in Houston, TX:

PTB was represented at Breakbulk Events & Media's Americas conference in Houston, TX this year by several PTB staff.
Our port team connected with industry leaders from around the world to showcase why Port Tampa Bay is Florida's premier gateway for breakbulk and project cargo.

PTB Leaders Attended Florida Supply Chain Summit:

The port's CFO Mike Pool participated in a panel with executives from Port Everglades, Jacksonville Port Authority (JAXPORT) and Port Miami and discussed how to navigate global trade and their collective role in shaping the state's economic future.

AAPA Annual Conference in Quebec City:

Port Tampa Bay joined industry leaders and professionals from across the Americas in October to exchange ideas and insights at the American Association of Port Authorities' Annual Conference in Québec City.
Attending team members spoke on panels, participated in Port Operations & Management sessions, toured the Port de Québec. and exchanged ideas with port leaders from across the Americas. Conversations like these strengthen global trade, advance innovation, and build a more sustainable future for our industry.

The Maritime Alliance and Ybor Chamber of Commerce, On the Horizon Breakfast:

Raul Alfonso represented Port Tampa Bay at the "On the Horizon" breakfast sponsored by the Maritime Alliance and the Ybor Chamber of Commerce at the Hotel Haya this month. The breakfast conversation on Transportation & Economic Growth brought together top leaders from the Expressway Authority, FDOT, Tampa International Airport, and Port Tampa Bay.

Fruit Alliance Conference:

Chief Commercial Officer Raul Alfonso attended the Fruit Attraction Conference. The Conference offers a great opportunity to continue our business relationships with our friends in the fruit industry. Mr. Alfonso met with Pieter Hartog of Seatrade who offers a regular, weekly service from Costa Rica to the PLRS terminal. Dole Fresh, Bounty / Chestnut Hill, Kapi Kapi, and Stella Farms are among our customers that attended the event.

G. Presentations

There were no presentations.

H: New Business / Commissioner's Comments

There were no comments.

I. Future Proposed Projects

Paul Anderson outlined the future project list and encouraged vendors to bid.

J. Calendar of Events

Annual Bay Slam Fishing Tournament - November 7, 2025

Port Veteran's Day Breakfast - November 10, 2025

K. Next Meeting:

Chairman Harrod announced the next regular business meeting will be on Tuesday, November 18, 2025, at 9:30 a.m. and stated information regarding that meeting will be posted online at www.porttb.com.

L. Adjournment

With no further business, Chairman Harrod adjourned the meeting at 10:32 a.m.

Respectfully submitted,

Chad Harrod, Chairman
Patrick Allman, Secretary / Treasurer

ATTACHMENT "A"

PUBLIC ATTENDANCE SIGN IN SHEET

PORT TAMPA BAY BOARD MEETING

OCTOBER 21, 2025 - 9:30 A.M.

PUBLIC ATTENDANCE SIGN-IN SHEET

NAME	BUSINESS
Steve Finney	Tampa Port Ministries
Jere White	TBHSC
John Timmac	SIBO
Philip Erbland	Stantec
RAY CLARK	FDOT
JEFF HORNING	FDOT
Whitney Stevens	Black & Veatch
MIKE PHELPS	BLACK & VEATCH
David Nelson	WGMA
Brian Moore	GHD
MR HASAN	WSP
Marty Millsburg	Ardaman
JUAN MARTINEZ	MARTINEZ & Co
Maggie Briggs	Cppl
Arthur SAVAGE	A.R. SAVAGE & Son
Aly El Ftreby	Sesco Cement

Additional spaces on next page.

Port Tampa Bay

Port Tampa Bay Public Berths

FY25 VS FY24 1st - 4th Quarters (Oct-Sept)

BULK CARGO				
	FY25	FY24	Inc(Dec)	%
COMMODITY	NET TONS	NET TONS		
DRY BULK CARGO				
CEMENT, BULK	973,643	1,205,930	(232,287)	-19%
GRANITE ROCK, BULK	783,334	917,363	(134,029)	-15%
LIMESTONE	467,270	1,384,279	(917,009)	-66%
PHOSPHATIC CHEMICAL, BULK	312,384	421,100	(108,716)	-26%
PRILLED SULPHUR	351,180	176,512	174,668	99%
Other Dry Bulk Commodities	*2,122,828*	*1,889,206*	233,622	12%
Total Dry Bulk Cargo:	**5,010,639**	**5,994,390**	**(983,751)**	-16%
LIQUID BULK CARGO				
AMMONIA, ANHYDROUS	184,415	270,510	(86,095)	-32%
CONCENTRATE & CITRUS JUICE	454,427	377,076	77,351	21%
PETROLEUM PRODUCTS	9,434,326	8,143,405	1,290,921	16%
SULPHUR, LIQUID	401,725	546,209	(144,484)	-26%
SULPHURIC ACID	91,859	74,220	17,639	24%
Other Liquid Bulk Commodities	*185,008*	*132,516*	52,492	40%
Total Liquid Bulk Cargo:	**10,751,760**	**9,543,936**	**1,207,824**	13%
TOTAL BULK CARGO:	**15,762,399**	**15,538,326**	**224,073**	1%
GENERAL CARGO				
	FY25	FY24	Inc(Dec)	%
Commodity	NET TONS	NET TONS		
Containerized	1,211,046	1,140,385	70,661	6%
Scrap Metal	120,270	237,009	(116,739)	-49%
Steel Products	208,501	347,613	(139,112)	-40%
Other General Cargo Commodities	119,428	236,162	(116,734)	-49%
TOTAL GENERAL CARGO:	**1,659,245**	**1,961,169**	**(301,924)**	**-15%**
TOTAL BULK AND GENERAL:	**17,421,644**	**17,499,495**	**(77,851)**	**0%**
TEUS (includes empties)	**262,803**	**256,500**	**6,303**	**2%**
Passengers	**1,660,315**	**1,212,604**	**447,711**	**37%**
No. of Cruise Ship Sailings	**368**	**272**	**96**	**35%**

Data as of 11/10/2025

Subject to change

Port Tampa Bay

Total Port Berths

FY25 VS FY24 1st - 4th Quarters (Oct-Sept)

BULK CARGO				
	FY25	FY24	Inc(Dec)	%
COMMODITY	NET TONS	NET TONS		
DRY BULK CARGO				
CEMENT, BULK	1,134,511	1,320,731	(186,220)	-14%
GRANITE ROCK, BULK	783,334	917,363	(134,029)	-15%
LIMESTONE	467,270	1,384,279	(917,009)	-66%
PRILLED SULPHUR	351,180	176,512	174,668	99%
PHOSPHATE, ROCK/CHEMICAL	3,137,825	3,475,067	(337,242)	-10%
Other Dry Bulk Commodities	*3,217,556*	*2,931,491*	286,065	10%
Total Dry Bulk Cargo:	**9,091,676**	**10,205,443**	**(1,113,767)**	**-11%**
LIQUID BULK CARGO				
AMMONIA, ANHYDROUS	824,063	873,741	(49,678)	-6%
CONCENTRATE & CITRUS JUICE	454,427	377,076	77,351	21%
PETROLEUM PRODUCTS	17,846,494	17,330,966	515,528	3%
SULPHUR, LIQUID	1,923,363	2,226,552	(303,189)	-14%
SULPHURIC ACID	91,859	74,220	17,639	24%
Other Liquid Bulk Commodities	*319,216*	*323,188*	(3,972)	-1%
Total Liquid Bulk Cargo:	**21,459,422**	**21,205,743**	**253,679**	**1%**
TOTAL BULK CARGO:	**30,551,098**	**31,411,186**	**(860,088)**	**-3%**
GENERAL CARGO				
	FY25	FY24	Inc(Dec)	%
Commodity	NET TONS	NET TONS		
Containerized	1,211,046	1,140,385	70,661	6%
Scrap Metal	325,853	475,963	(150,110)	-32%
Steel Products	208,501	347,613	(139,112)	-40%
Other General Cargo Commodities	119,428	236,162	(116,734)	-49%
TOTAL GENERAL CARGO:	**1,864,828**	**2,200,123**	**(335,295)**	**-15%**
TOTAL BULK AND GENERAL:	**32,415,926**	**33,611,309**	**(1,195,383)**	**-4%**
VESSELS				
Barge	837	863	(26)	-3%
Cruise	368	272	96	35%
Tug	899	948	(49)	-5%
Vessel	1,034	984	50	5%
TOTAL VESSELS:	**3,138**	**3,067**	**71**	**2.3%**
TEUS (includes empties)	**262,803**	**256,500**	**6,303**	**2%**
Passengers	**1,660,315**	**1,212,604**	**447,711**	**37%**
No. of Cruise Ship Sailings	**368**	**272**	**96**	**35%**

Includes all port berths; foreign and domestic cargo
Vessel includes training vessels, repair/idle vessels, cruise ships in repair and in transit
11/10/2025
Subject to Change

Port Tampa Bay
Budgetary Comparative Statement of Revenues and Expenses
For the one (1) month ending October 2025

Description	Budget	Actual	Favorable (Unfavorable)	%
Port Usage Fees	4,804,603	4,735,302	(69,301)	-1.4%
Rentals	2,134,064	2,161,440	27,376	1.3%
Other Operating	44,133	74,659	30,526	69.2%
Operating Revenue	**6,982,800**	**6,971,401**	**(11,399)**	**-0.2%**
Personnel	2,025,044	1,954,472	70,572	3.5%
Promotional	351,058	79,245	271,813	77.4%
Administrative	3,034,283	2,208,194	826,089	27.2%
Operating Expense	**5,410,386**	**4,241,911**	**1,168,475**	**21.6%**
Operating Income	**1,572,414**	**2,729,490**	**1,157,076**	**73.6%**
	23%	39%		
Interest Income	223,167	310,636	87,469	39.2%
Interest Expense	(372,873)	(289,051)	83,822	-22.5%
Ad Valorem Tax Receipts	-	146,285	146,285	0.0%
Other, net	6,862	(98,569)	(105,431)	-1536.5%
Non-Operating	**(142,845)**	**69,301**	**212,146**	**-148.5%**
Net Income	**1,429,570**	**2,798,791**	**1,369,221**	**95.8%**

13

C. CONSENT AGENDA

SUBJECT: CONSENT TO ASSIGNMENT AND ASSUMPTION OF LEASE FROM NORTH ATLANTIC INTERNATIONAL OCEAN CARRIER, INC. TO QUALITY CONTAINER TRANSPORT, INC.

BACKGROUND:

North Atlantic International Ocean Carrier, Inc. (NAIOC) leases approximately three acres of land located on Maritime Boulevard on Hookers Point (Premises) from Port Tampa Bay (PTB) pursuant to a Ground Lease (Lease) with an effective date of December 1, 2021, for the temporary storing and transloading of used vehicles for import and export over PTB's docks. The Initial Term of the Lease is five years, with two extension options periods of five years each.

On May 22, 2024, PTB consented to a Sublease of the Ground Lease from NAIOC to Quality Container Transport, Inc. (Quality Transport) for the remaining Initial Term, as well as the extension options, if exercised. Quality Transport currently stages trucks, chassis and containers on the Premises in conjunction with PTB's container yard operations.

FACTS/COMMENTS:

NAIOC has requested PTB's consent to assign the Lease to Quality Transport. Upon assignment of the Lease, Quality Transport would assume all of the lease terms, liabilities and obligations of NAIOC.

Premises: Approximately 3.0 acres of land on Hookers Point, as depicted on attached Exhibit "A".

Use: Staging of truck chassis and containers in conjunction with PTB's container yard operations.

Term: The Lease expires on November 30, 2026 with two extension options of five years each.

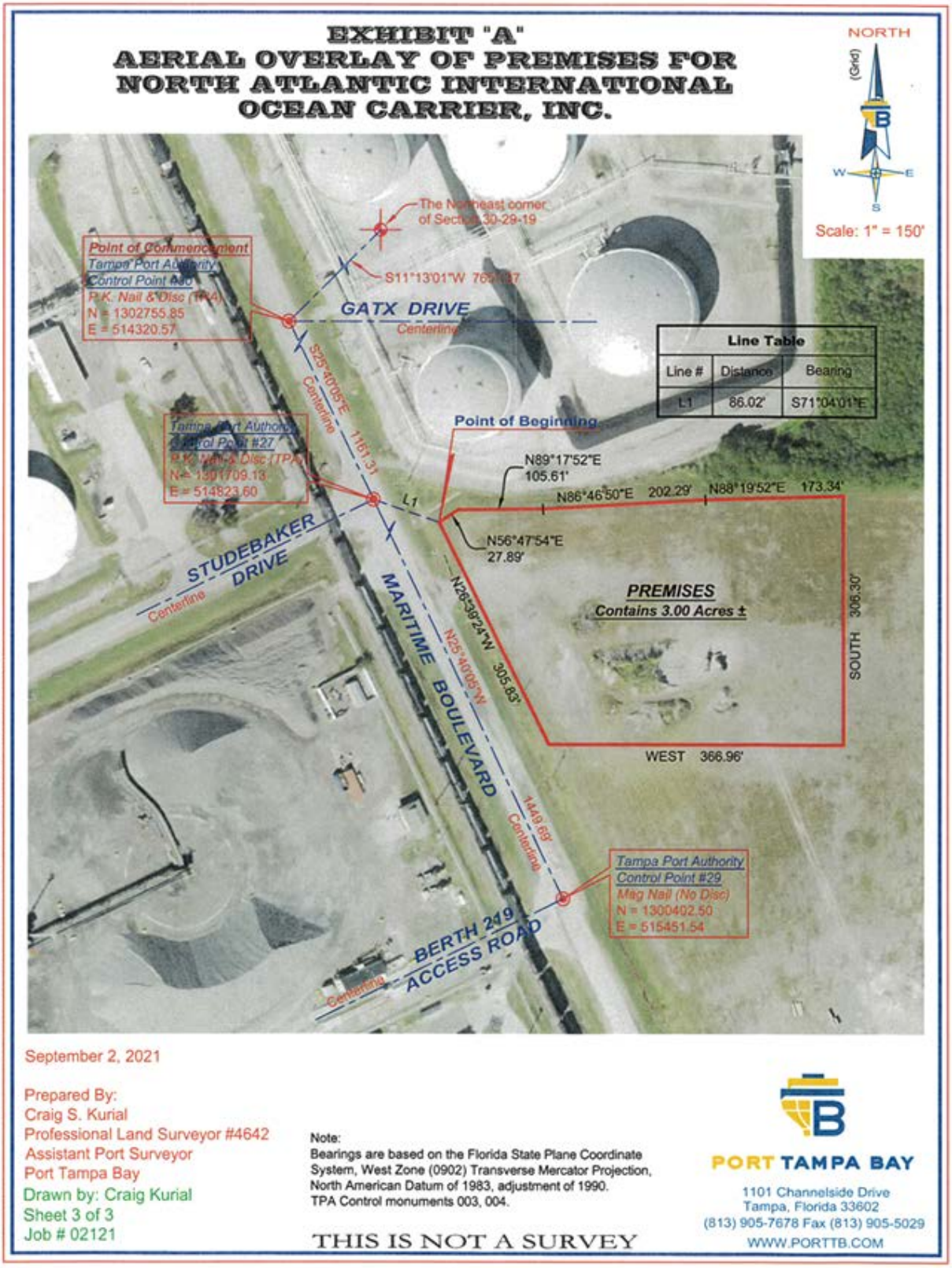
Other: Additionally, QCT would take the Premises "AS-IS" and would be responsible for rent, utilities, real estate taxes, site improvements, insurance, and maintenance of the Premises. QCT must comply with all Seaport security laws, environmental regulations and laws, and all other applicable regulations and laws.

Public Hearing: No public hearing was required for this matter.

RECOMMENDATION:

Authorize the Port President/CEO, or his designee, to execute a Consent to Assignment and Assumption of Lease from North Atlantic International Ocean Carriers, Inc. to Quality Transport Containers, Inc. in accordance with the terms set forth in this agenda item, subject to review by Port counsel.

Board Meeting
November 18, 2025
Real Estate



September 2, 2021

Prepared By:
Craig S. Kurial
Professional Land Surveyor #4642
Assistant Port Surveyor
Port Tampa Bay
Drawn by: Craig Kurial
Sheet 3 of 3
Job # 02121

Note:
Bearings are based on the Florida State Plane Coordinate System, West Zone (0902) Transverse Mercator Projection, North American Datum of 1983, adjustment of 1990.
TPA Control monuments 003, 004.

THIS IS NOT A SURVEY

PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602
(813) 905-7678 Fax (813) 905-5029
WWW.PORTTB.COM

SUBJECT: EASEMENT AGREEMENT WITH TAMPA PORT SERVICES LLC

BACKGROUND:

Tampa Port Services LLC (TPS) is a wholly owned subsidiary of The Mosaic Company, a leading producer of phosphate and potash fertilizers. TPS leases approximately 0.83 acres of land on Port Sutton (Premises) from Port Tampa Bay (PTB) which expired on March 31, 2024 but has continued to lease the Premises on a month-to-month basis. The Premises is for the operation, maintenance and repair of TPS's pipe rack and associated equipment that draws seawater from the nearby channel to insulate the pipeline that TPS operates on its adjacent property. In addition, the Premises has been used for the parking of TPS' business vehicles.

FACTS/COMMENTS:

TPS no longer uses the Premises for the parking of its business vehicles and has requested a non-exclusive easement in lieu of a lease from PTB to continue the use of the Premises for its pipe rack and associated equipment.

Premises: The Easement Premises would consist of approximately 0.83 acres as outlined on Exhibit "A".

Use: PTB would grant TPS a non-exclusive easement to use the Premsies for the operation, maintenance, and repair of TPS' pipe rack and associated equipment.

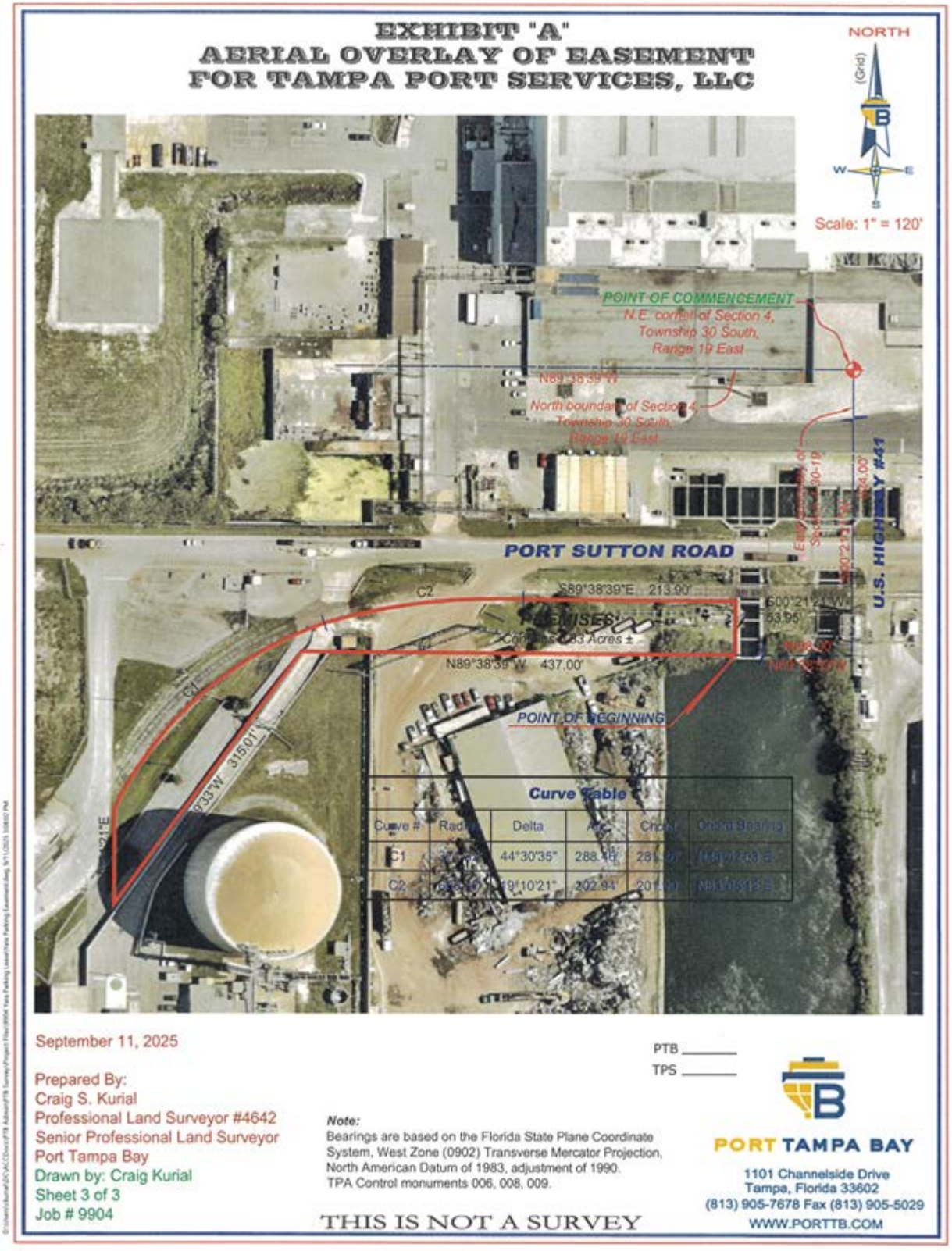
Term: Ten (10) years with no extension options

Other: TPS would take the Premises "AS-IS" and would be responsible for all utilities, real estate taxes, site improvements, insurance, and maintenance of the Premises. In addition, TPS must comply with all seaport security laws, environmental regulations and laws and all other applicable regulations and laws.

Public Hearing: A public hearing was held on October 30, 2025 and there were no comments.

RECOMMENDATION:

Authorize the Port President/CEO, or his designee, to execute a non-exclusive Easement Agreement, with Tampa Port Services, LLC in accordance with the terms set forth in this agenda item, subject to review by Port counsel.


EXHIBIT "A"
AERIAL OVERLAY OF EASEMENT
FOR TAMPA PORT SERVICES, LLC
NORTH
(Grid)
Scale: 1" = 120'
POINT OF COMMENCEMENT
N.E. corner of Section 4,
Township 30 South,
Range 19 East
N89°38'39"W
North boundary of Section 4,
Township 30 South,
Range 19 East
PORT SUTTON ROAD
U.S. HIGHWAY #41
S89°38'39"E 213.90'
S00°21'21"W
53.95'
N89°38'39"W 437.00'
POINT OF BEGINNING
C1
C2
Curve Table
Curve #
Radius
Delta
Arc
Chord
Chord Bearing
C1
44°30'35"
288.16'
281.06'
C2
79°10'21"
202.94'
201.00'
September 11, 2025
Prepared By:
Craig S. Kurial
Professional Land Surveyor #4642
Senior Professional Land Surveyor
Port Tampa Bay
Drawn by: Craig Kurial
Sheet 3 of 3
Job # 9904
Note:
Bearings are based on the Florida State Plane Coordinate System, West Zone (0902) Transverse Mercator Projection, North American Datum of 1983, adjustment of 1990.
TPA Control monuments 006, 008, 009.
PTB _____
TPS _____
THIS IS NOT A SURVEY
PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602
(813) 905-7678 Fax (813) 905-5029
WWW.PORTTB.COM

Docusign Envelope ID: 98C87738-2777-42E6-B225-872F156EB3F0

PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602

Memorandum

To: A. Paul Anderson
President and CEO

CC: Charles Klug
Raul Alfonso

From: Heather Eblin-Crowe

Date: October 31, 2025

Subject: Tampa Port Services, LLC – Easement Agreement

This public hearing was held in accordance with procedures specified in Chapter 95-488, Laws of Florida. The subject public hearing was held before me on Thursday, October 30, 2025 at 9:30 a.m. Attached is the transcription of the hearing along with copies of all exhibits.

Heather Eblin-Crowe Date October 31, 2025
Heather Eblin-Crowe
Hearing Officer

I hereby concur with the Hearing Officer's statement and recommend the President and CEO request approval by the Tampa Port Authority Board of Commissioners to approve the Easement Agreement between Port Tampa Bay and Tampa Port Services, LLC.

Ron Glessing Date October 31, 2025
Ron Glessing
Director of Tenant Relations

Attachments

Docusign Envelope ID: 98C87738-2777-42E6-B225-872F156EB3F0

PUBLIC HEARING TRANSCRIPT
October 30, 2025, at 9:30 a.m.
Tampa Port Services, LLC – Easement Agreement

ATTENDEES

Gabriella Esteves – Port Tampa Bay

HEARING OFFICER

Heather Eblin-Crowe

Docusign Envelope ID: 98C87738-2777-42E6-B225-872F156EB3F0

MRS. CROWE:

Good morning. Today is Thursday, October 30, 2025, and this public hearing is called to order at 9:30 a.m. This hearing is held under the authority and pursuant to Chapter 95-488 of the Laws of Florida. The purpose of the hearing is to hear comments from the general public and interested parties regarding the following:

EASEMENT AGREEMENT BETWEEN PORT TAMPA BAY AND TAMPA PORT SERVICES, LLC FOR A NON-EXCLUSIVE EASEMENT

My name is Heather Crowe, and I am employed by the Tampa Port Authority, doing business as Port Tampa Bay, and have been appointed by its Board of Commissioners to serve as a hearing officer at public hearings such as the one we are conducting today. Joining me is Ronald Glessing, Director of Tenant Relations, who will present the terms for this matter.

MR. GLESSING:

Yara North America, hereinafter referred to as “Yara” has a Ground Lease with the Tampa Port Authority, hereinafter referred to as the “Port Tampa Bay”, for approximately 0.83 acres of land located on Port Sutton Road, hereinafter referred to as the “Premises” for the parking of Yara’s business related vehicles and for the operation, maintenance and repair of Yara’s pipe rack and associated equipment. The Lease expired on March 31, 2024 and has continued on a month-to-month basis. On October 18, 2023, Yara and Tampa Port Services executed an Assignment and Assumption Agreement assigning certain Yara assets to Tampa Port Services, LLC, hereinafter referred to as “Tenant”. Tenant has requested a non-exclusive Easement from Port Tampa Bay to continue its use of the Premises.

The Premises would consist of approximately 0.83 acres of improved land, as outlined on Exhibit "A".

The Term of the Easement would be ten (10) years commencing on the recording date of the Easement.

Tenant acknowledges that it has been in possession of the Premises and shall be responsible for any and all environmental conditions on the Premises.

Tenant would be responsible for all utilities, real estate taxes, site improvements, insurance, maintenance of the Premises, and compliance with all regulations and laws.

At this time, I would like to offer into the record the following exhibits:

Exhibit No. 1, Depiction and Layout of the Premises.

Docusign Envelope ID: 98C87738-2777-42E6-B225-872F156EB3F0

Exhibit No. 2, The Public Hearing Notice, along with the Public Hearing Notice Publication Affidavit. The Public Hearing Notice was published in the Tampa Bay Times on October 8, 2025.

That is all.

MRS. CROWE:

Thank you, Mr. Glessing. The exhibits will be entered into the record as presented.

At this time, we will take comments concerning this issue.

Are there any comments? Hearing none..

A transcript will be made and furnished to the Port Authority Staff. The Staff will make a recommendation to our Board of Commissioners, which will meet on November 18, 2025. The Staff recommendation will be available on November 12, 2025. If there is nothing else to come before this hearing, I declare this hearing closed at 9:33 a.m.

I, Heather Eblin-Crowe, have read and approve the form of the attached transcript of the October 30, 2025 Public Hearing for the Easement Agreement between Port Tampa Bay and Tampa Port Services, LLC for a Non-Exclusive Easement.

Dated on October 31, 2025.

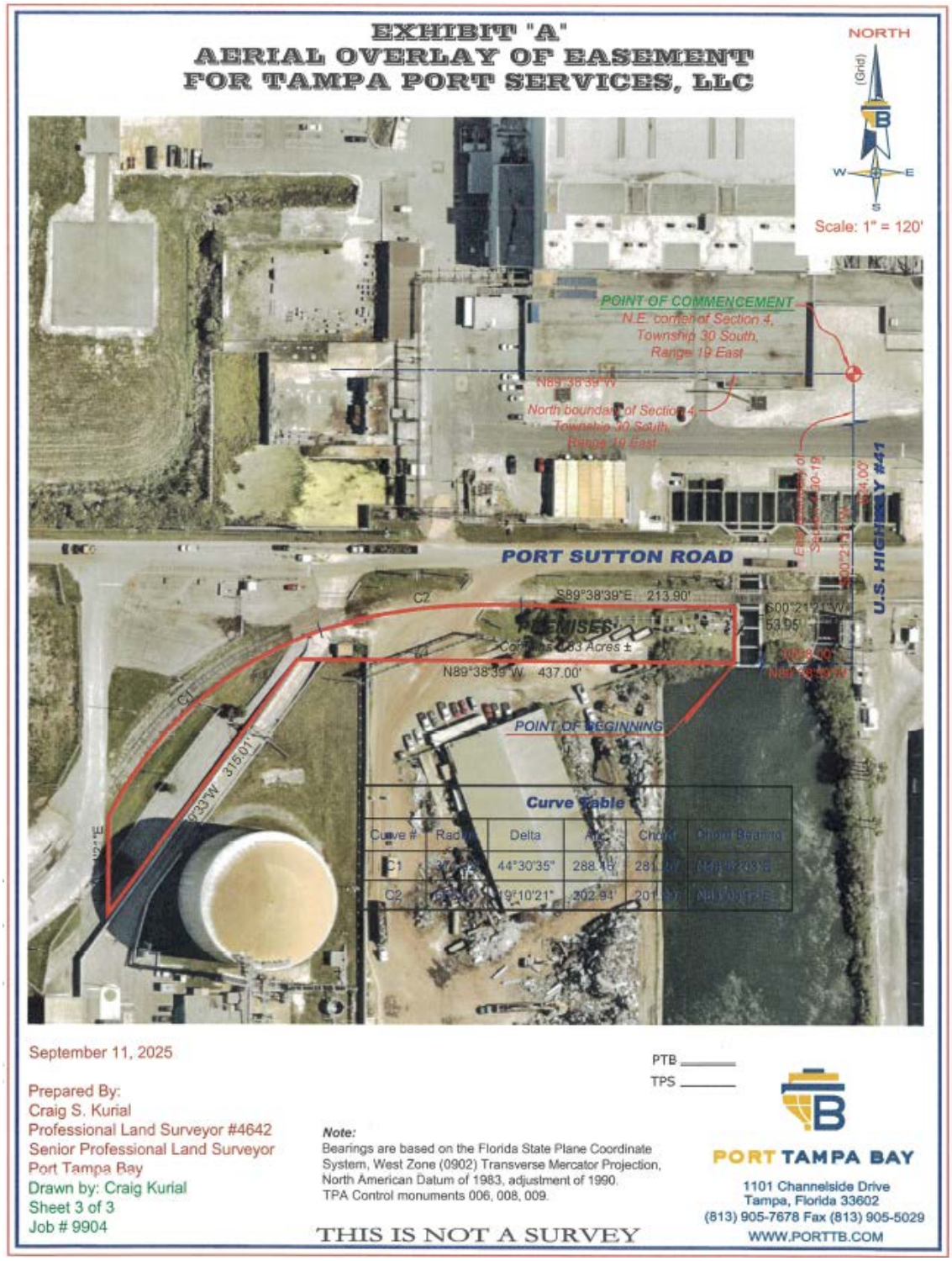
Heather Eblin-Crowe

Heather Eblin-Crowe
Public Hearing Officer

Docusign Envelope ID: 98C87738-2777-42E6-B225-872F156EB3F0

EXHIBIT NO. 1

DEPICTION AND LAYOUT OF THE PREMISES



Docusign Envelope ID: 98C87738-2777-42E6-B225-872F156EB3F0

EXHIBIT NO. 2
PUBLIC HEARING NOTICE AND AFFIDAVIT

59116

Tampa Bay Times

Published Daily

STATE OF FLORIDA} ss
COUNTY OF HILLSBOROUGH County

Before the undersigned authority personally appeared Jill Harrison who on oath says that he/she is a Legal Advertising Representative of the Tampa Bay Times a daily newspaper printed in St. Petersburg, in Hillsborough County, Florida that the attached copy of advertisement being a Legal Notice in the matter Tampa Port Services, LLC - Easement Agre was published in said newspaper by print in the issues of 10/08/25 or by publication on the newspaper's website, if authorized.

Affiant further says that the website or newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes. Affiant further says the said Tampa Bay Times is a newspaper published in Hillsborough County, Florida and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida each day and has been entered as a second class mail matter at the post office in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he/she neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Signature of Affiant _____
Sworn to and subscribed before me this **10/08/2025**

Signature of Notary of Public
Personally known **X** or produced identification.
Type of identification produced _____

DEIRDRE A. BONETT
Notary Public - State of FLORIDA
Commission # HH801171
My Commission Expires Jan. 04, 2029

PORT TAMPA BAY
NOTICE OF PUBLIC HEARING

Notice is hereby given at a public hearing to be held at 9:30A.M. on October 30th, 2025, before the Tampa Port Authority, d/b/a Port Tampa Bay at its offices located at 1101 Channelside Drive, Tampa, Florida 33602, to hear public comments regarding the following:

TAMPA PORT SERVICES, LLC (TPS) – EASEMENT AGREEMENT

Additional information is available online at www.tampaport.com. All written comments and objections directed toward the foregoing matter should be filed with Port Tampa Bay, Real Estate Department, at 1101 Channelside Drive, Tampa, Florida 33602 by 12:00 noon on October 29th, 2025. Oral comments and objections may be presented at the hearing.

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing should call (813) 905-5071 or fax (813) 905-5029 not later than 48 hours prior to the hearing.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH A PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

10/08/2025 (5511191)

Docusign Envelope ID: 98C87738-2777-42E6-B225-872F156EB3F0

SIGN-IN SHEET

PUBLIC HEARING FOR

EASEMENT AGREEMENT BETWEEN PORT TAMPA BAY AND TAMPA PORT SERVICES, LLC FOR A NON-EXCLUSIVE EASEMENT

Thursday, October 30, 2025 @ 9:30 A.M.

PLEASE PRINT THE FOLLOWING INFORMATION

	YOUR NAME (Please print)	COMPANY NAME (Please print full company name)	COMPLETE COMPANY ADDRESS (Please print full company address)	Do you plan to comment?
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

NO ATTENDEES

SUBJECT: **TAMPA ELECTRIC COMPANY SITE IMPROVEMENT PERMIT TO INCREASE THE ELECTRICAL CAPACITY AT PORT REDWING**

BACKGROUND:

Port Tampa Bay's (PTB) Site Improvements Permits policy establishes guidelines for tenants and other users of PTB lands to obtain permission before constructing any improvements on PTB lands. The policy requires PTB's Board of Commissioners approve all improvements or modifications on PTB lands that have an estimated construction cost in excess of $200,000.00 or that involve the granting of an easement(s).

FACTS/COMMENTS:

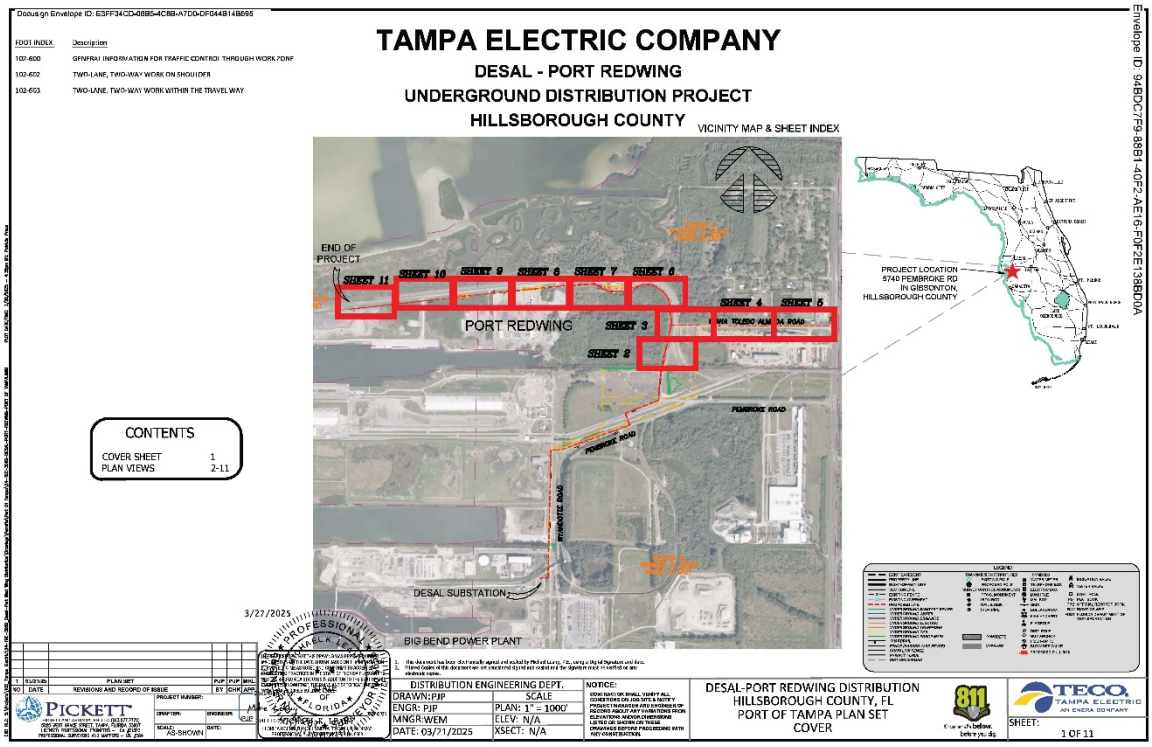
Tampa Electric Company (TECO) has submitted a site improvement permit application to install a new underground distribution line (Improvement) along Diana Toledo Alemeida Road from the Desal Substation to US 41 as well as west to Port Redwing. This Site Improvement Permit is to increase the electrical capacity at Port Redwing as the current electrical demands exceed the capacity.

PTB staff have reviewed the application and determined that the proposed location of the Improvement does not have any conflicts with any other improvements.

RECOMMENDATION:

Approve the Site Improvement Permit and authorize the Port President/CEO, or his designee, to execute the Site Improvement Permit and easement, if required, to TECO for the construction of the Improvement set forth in this agenda item, subject to review by Port counsel.

Board Meeting
November 18, 2025
Engineering 460793



Docusign Envelope ID: 94BDC7F9-88B1-40F2-AE16-F0F2E138DD0A

Docusign Envelope ID: E5FF34CD-08B5-4CB8-A7DD-DF044B14B695

TAMPA ELECTRIC COMPANY

DESAL - PORT REDWING
UNDERGROUND DISTRIBUTION PROJECT
HILLSBOROUGH COUNTY

FDOT INDEX	Description
102-600	GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONE
102-602	TWO-LANE, TWO-WAY WORK ON SHOULDER
102-603	TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY

VICINITY MAP & SHEET INDEX

END OF PROJECT
SHEET 11
SHEET 10
SHEET 9
SHEET 8
SHEET 7
SHEET 6
SHEET 4
SHEET 5
SHEET 3
SHEET 2
PORT REDWING
PEMBROKE ROAD
PEMBROKE ROAD
PENNOTTE ROAD
DESAL SUBSTATION
BIG BEND POWER PLANT

PROJECT LOCATION
5740 PEMBROKE RD
IN GIBSONTON,
HILLSBOROUGH COUNTY

CONTENTS

COVER SHEET	1
PLAN VIEWS	2-11

3/27/2025

NO	DATE	REVISIONS AND RECORD OF ISSUE	BY	CHK	APP
1	10/23/25	PLAN SET	PJP	PJP	MHL

PICKETT

DISTRIBUTION ENGINEERING DEPT.	
DRAWN: PJP	SCALE
ENGR: PJP	PLAN: 1" = 1000'
MNGR: WEM	ELEV: N/A
DATE: 03/71/2025	XSECT: N/A

NOTICE:

DESAL-PORT REDWING DISTRIBUTION
HILLSBOROUGH COUNTY, FL
PORT OF TAMPA PLAN SET
COVER

811 Know what's below. Call before you dig.

TECO TAMPA ELECTRIC AN EMERA COMPANY

SHEET: 1 OF 11

SUBJECT: **SITE IMPROVEMENT PERMIT FOR REDWING MATERIALS I, LLC**

BACKGROUND:

Port Tampa Bay's (PTB) Site Improvement Permits policy establishes guidelines for tenants and other users of PTB lands to obtain permission before constructing any improvements on PTB lands. The policy requires that PTB's Board of Commissioners approve all improvements or modification on PTB lands that have an estimated construction cost in excess of $200,000.00 or that involve the granting of an easement(s).

FACTS/COMMENTS:

At the May 21, 2024 Board meeting, the PTB Board approved a lease agreement with Redwing Materials I, LLC to lease approximately 14.5 acres of land on Port Redwing (Premises) to be used for the handling, storing, processing, screening, rinsing and distributing of aggregates including limestone, granite, and crushed concrete. Break bulk cargo would also be permitted.

Redwing Materials I, LLC has submitted a Site Improvement Permit application for slag grinding operations construction of storage building(s), silos, rail and side track extension, truck loading and unloading, rail loading and unloading, and a bulk material conveyance system (Improvements). The approximate cost of the project is $95,000,000.

PTB staff have reviewed the application and determined that the proposed location of the Improvements does not have any conflicts with any other improvements

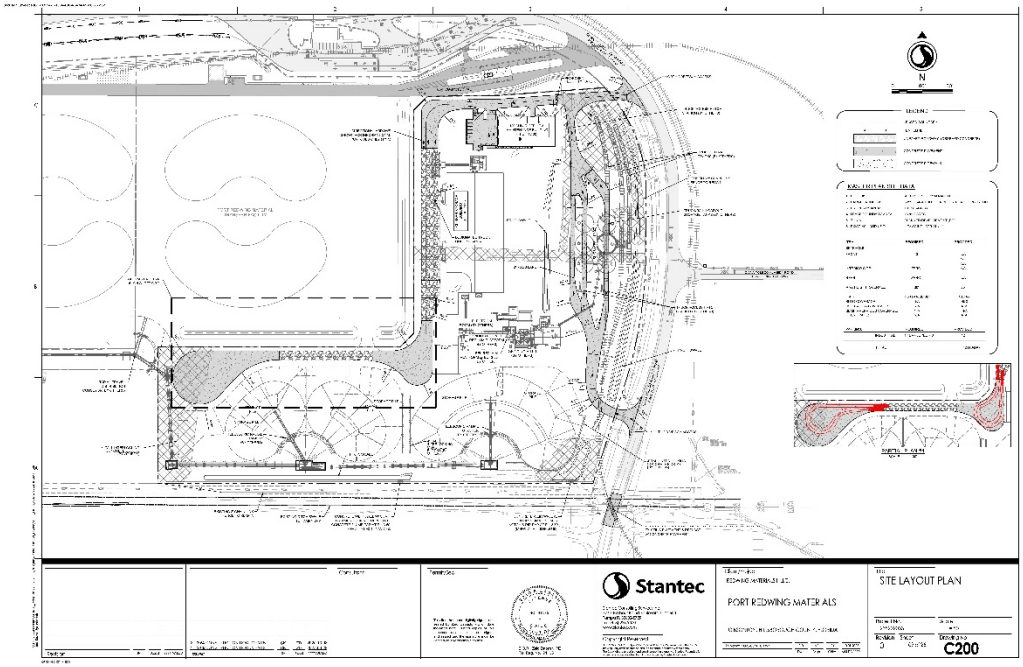
RECOMMENDATION:

Approve the Site Improvement Permit and authorize the Port President/CEO, or his designee, to execute the Site Improvement Permit and easement, if required, to Redwing Materials I, LLC for the construction of the Improvements set forth in this agenda item, subject to review by Port counsel.

Board Meeting
November 18, 2025
Engineering 460810

DocuSign Envelope ID: 69C0547F-1504-4BCA-8434-41660796618





SUBJECT: APPOINTMENT OF PUBLIC HEARING OFFICERS

BACKGROUND:

Section 7(b) of Port Tampa Bay's (PTB) enabling legislation, 95-488, Laws of Florida, authorizes the appointment and use of hearing examiners/officers to preside at and receive public comments at duly noticed public hearings regarding specific topics or transactions. PTB's Board of Commissioners has appointed PTB staff as hearing officers from time to time.

FACTS/COMMENTS:

At its May 17, 2016 meeting, the Board reappointed Ken Washington, Greg Lovelace, Craig Roberts, and Renee' Dennis, and appointed Nancy Marino, Lisa Bristol, and Heather Eblin-Crowe, as hearing officers. Since that time there have been some personnel changes.

PTB staff recommends the appointment of Patrick Blair, Vice President of Engineering, and Jose DeJesus, Director of Engineering, as new hearing officers. In addition, staff recommend the reappointment of Ken Washington, Vice President of IT and Chief Information Officer, Greg Lovelace, Sr. Vice President of Marketing and Business Development, Nancy Marino, Director of Procurement, Craig Roberts, Director of Real Estate, and Heather Eblin-Crowe, Project Management III, as PTB hearing officers.

RECOMMENDATION:

Approve the appointment of Ken Washington, Greg Lovelace, Patrick Blair, Jose DeJesus, Nancy Marino, Craig Roberts, and Heather Eblin-Crowe, as hearing officers for Port Tampa Bay.

Board Meeting
November 18, 2025
Legal Department

D. REGULAR AGENDA

SUBJECT: CONSENT TO CHANGE OF OWNERSHIP OF PURAGLOBE FLORIDA, LLC

BACKGROUND:

On June 6, 2012, Port Tampa Bay (PTB) leased approximately twelve (12.0) acres of land located on Pendola Point (Premises) to NexLube Tampa, LLC (a wholly owned affiliate of NexLube Operating, LLC) to build a used motor oil recycling and blending plant for an initial term of twenty (20) years through June 5, 2032, with two (2) five (5) year lease extension options (Lease). On March 15, 2016, PTB's Board of Commissioners approved a Consent to Assignment of Lease Agreement , from Nexlube Tampa, LLC to Puraglobe Florida, LLC (an entity owned 48% by NexLube Operating LLC and 52% by Puraglobe USA. LLC).

FACTS/COMMENTS:

NexLube Operating, LLC recently notified staff that it will acquire Puraglobe USA, LLC's 52% ownership of Puraglobe Florida, LLC this month resulting in 100% ownership of Puraglobe Florida, LLC and, has requested PTB's approval of the change in ownership and continuation of the remaining term of the Lease. Pursuant to the change of ownership, NexLube Operating, LLC would own 100% of Puraglobe Florida, LLC and Puraglobe Florida, LLC would remain the tenant under the Lease .

NexLube Operating, LLC has engaged Turner, Mason & Company, a provider of technical and commercial services in the crude oil, refining, refined products and biofuel industries to ascertain the highest and best use for this terminal. As part of the change in ownership, NexLube Operating, LLC will pay all outstanding debt obligations of Puraglobe Florida, LLC on all on-site equipment that was financed. Additionally, NexLube Operating, LLC would take the Premises "AS-IS" and would be responsible for rent, utilities, real estate taxes, site improvements, insurance, and maintenance of the Premises after the change in control. A public hearing was not required for this matter.

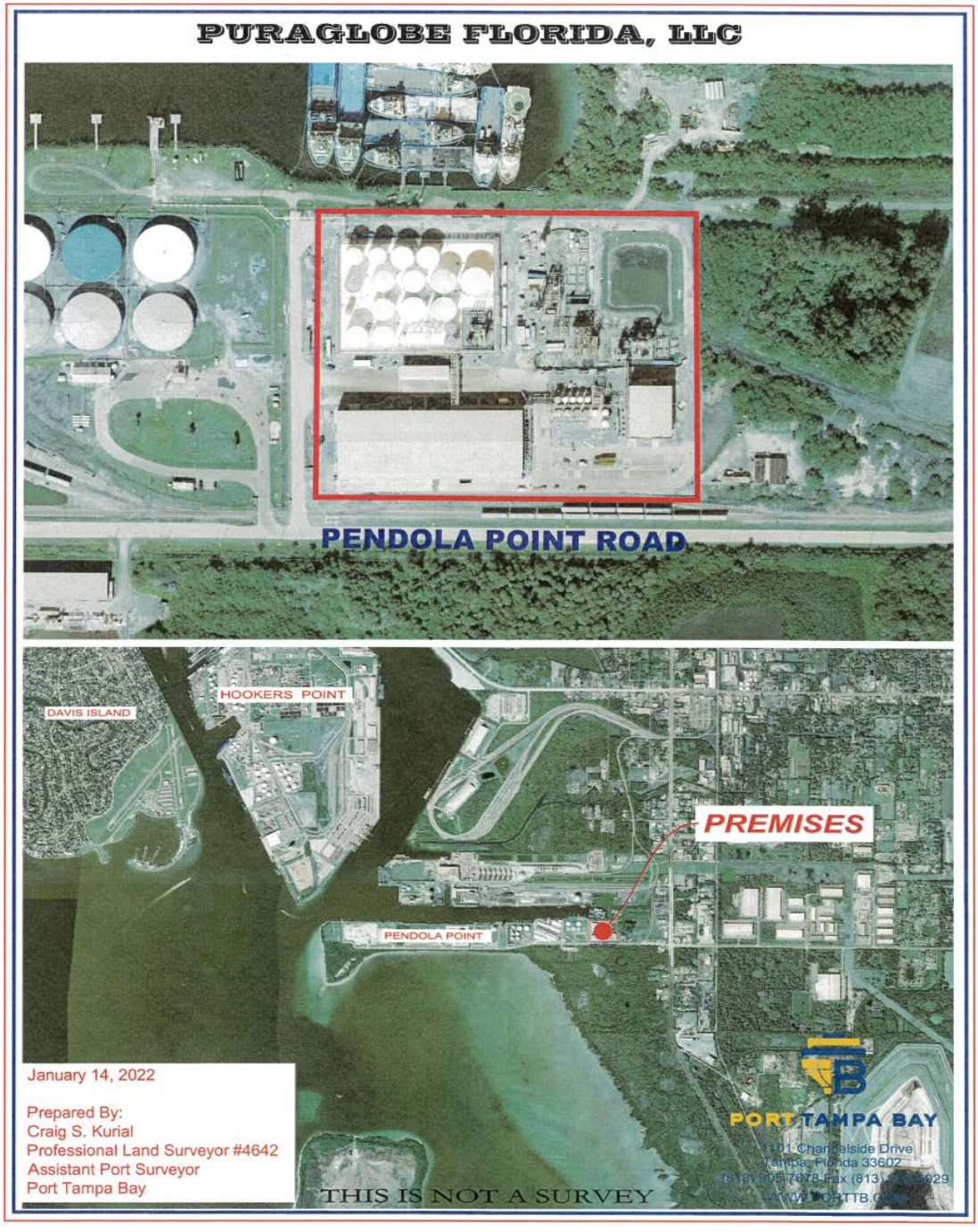
RECOMMENDATION:

Authorize the Port President/CEO, or his designee, to execute a Consent to the Change of Ownership of Puraglobe Florida, LLC to NexLube Operating, LLC in accordance with the terms set forth in this agenda item, subject to review by Port counsel.

Board Meeting
November 18, 2025
Real Estate

EXHIBIT "A"

PREMISES



SUBJECT: LEASE AMENDMENT WITH CARGILL, INC. D/B/A CARGILL SALT (BERTH 256)

BACKGROUND:

Cargill, Incorporated, (Cargill) has leased approximately 4.82 acres of land north of Port Ybor (Berth 256 Premises) from Port Tampa Bay (PTB) since 1973 which was previously a grain terminal (Lease). Cargill has completed demolition of the grain silos at Berth 256 and is completing berth and facility improvements in order to handle imported salt by vessels. In addition to this salt facility, Cargill also operates a salt facility (Cargill Salt) on Hookers Point. Cargill has requested additional lease extension options to amortize capital improvements being made at Berth 256.

FACTS/COMMENTS:

PTB staff and Cargill have negotiated the following terms for a lease amendment:

Premises: Approximately 4.82 acres of land as outlined in Exhibit "A".

Use: Storage and distribution of bulk salt and bagged and packaged salt, to include conveying, drying and processing of salt products.

Term: The Lease expires on June 30, 2033 and has one (1) lease extension option of five (5) years. The lease amendment would add two (2) additional lease extension options of five (5) years each; therefore, the new extension options, if exercised, would extend from July 1, 2038 to June 30, 2043 and from July 1, 2043 to June 30, 2048.

Rent: Annual rent for the Premises, currently $25,933.61 per acre or $125,000 annually, would remain the same as set forth in the Lease.

Annual Tonnage Guarantee (ATG):

The current ATG of 90,000 tons would remain the same as set forth in the lease.

Other: Cargill would continue to be responsible for all utilities, real estate taxes, site improvements, insurance, and maintenance of the Premises. In addition, Cargill would continue to comply with all seaport security laws, environmental regulations and laws and all other applicable regulations and laws.

Public Hearing: A public hearing was held on October 28, 2025, and there were no comments.

RECOMMENDATION:

Authorize the Port President/CEO, or his designee, to execute a lease amendment with Cargill, Incorporated, in accordance with the terms set forth in this agenda item, subject to review by Port counsel.

Board Meeting
November 18, 2025
Real Estate 460700

Exhibit "A"
PREMISES



Docusign Envelope ID: DE33856C-C1CC-4C45-91D3-9F403BD40C9E

PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602

Memorandum

To: A. Paul Anderson
President and CEO

CC: Charles Klug
Raul Alfonso

From: Heather Eblin-Crowe

Date: October 31, 2025

Subject: Cargill, Inc., d/b/a Cargill Grain - Amendment to Lease - Public Hearing

This public hearing was held in accordance with procedures specified in Chapter 95-488, Laws of Florida. The subject public hearing was held before me on Tuesday, October 28, 2025 at 10:31 a.m. Attached is the transcription of the hearing along with copies of all exhibits.

Heather Eblin-Crowe Date October 31, 2025
Heather Eblin-Crowe
Hearing Officer

I hereby concur with the Hearing Officer's statement and recommend the President and CEO request approval by the Tampa Port Authority Board of Commissioners to approve the Amendment to Lease with Cargil, Incorporated d/b/a Cargill Grain.

Date October 31, 2025
Craig Roberts
Director of Real Estate

Attachments

Docusign Envelope ID: DE33856C-C1CC-4C45-91D3-9F403BD40C9E

PUBLIC HEARING TRANSCRIPT
October 28, 2025, at 10:31 a.m.
Cargill, Inc. d/b/a Cargill Grain – Amendment to Lease

ATTENDEES

Gabriella Esteves – Port Tampa Bay

HEARING OFFICER

Heather Eblin-Crowe

Docusign Envelope ID: DE33856C-C1CC-4C45-91D3-9F403BD40C9E

MRS. CROWE:

Good morning. Today is Tuesday, October 28, 2025 and this public hearing is called to order at 10:31 a.m. This hearing is held under the authority and pursuant to Chapter 95-488 of the Laws of Florida. The purpose of the hearing is to hear comments from the general public and interested parties regarding the following:

AMENDMENT TO LEASE WITH CARGILL, INCORPORATED D/B/A CARGILL GRAIN

My name is Heather Crowe and I am employed by the Tampa Port Authority, doing business as Port Tampa Bay, and have been appointed by its Board of Commissioners to serve as a hearing officer at public hearings such as the one we are conducting today. Joining me is Craig Roberts, Real Estate Director, who will present the business terms of this project.

MR. ROBERTS:

Cargill, Inc., hereinafter referred to as "Cargill" has leased approximately 4.82 acres at Berth 256, hereinafter referred to as Cargill Grain Premises, since April 16, 1973 and is currently known as the Cargill Grain Lease. This Lease expires on June 30, 2033 but has one (1) lease extension option of five (5) years. Cargill has demolished the former grain silos on the Cargill Grain Premises and has applied for permits to receive and store salt by vessel at Berth 256. The Cargill Grain Premises will now be known as the Berth 256 Premises.

Cargill, Inc., hereinafter referred to as "Cargill Salt", also leases approximately 8.98 acres of land on Hookers Point hereinafter referred to as "Cargill Salt Premises" and operates the Cargill Salt Premises as a salt facility. Cargill would like to operate the Berth 256 Premises as an additional salt facility. Therefore, the Term for the Cargill Berth 256 Lease and the Cargill Salt Lease will be modified so that the Leases run co-terminus with each other.

Port Tampa Bay staff and Cargill have agreed upon the following terms for the lease amendment of the existing Cargill Grain Lease.

The Premises consists of approximately 4.82 acres of land as outlined in Exhibit No. 1 and would be used solely for the storage and distribution of bulk salt, bagged and packaged salt, to include conveying, drying and processing of salt products.

The current Term of the Lease expires June 30, 2033. The extension option is from July 1, 2033 to June 30, 2038.

Docusign Envelope ID: DE33856C-C1CC-4C45-91D3-9F403BD40C9E

The new Lease Extension Options would commence on July 1, 2038 and continue to June 30, 2043 and July 1, 2043 to June 30, 2048.

Rent for the Premises, currently $25,933.61 per acre or $125,000.00 annually, would remain the same as set forth in the Lease. Rent would increase by CPI annually during the Extension Options.

The minimum Annual Tonnage Guarantee of 90,000 tons would remain the same as set forth in the Lease.

Cargill would continue to be responsible for all utilities, real estate taxes, site improvements, insurance, and maintenance of the Premises. In addition, Cargill would continue to comply with all seaport security and environmental regulations and laws, as well as any and all other applicable regulations and laws.

At this time, I would like to offer into the record the following exhibits:

Exhibit No. 1, which is the Sketch of the Premises.

Exhibit No. 2, which is the Public Hearing Notice that appeared in the October 5, 2025 issue of the Tampa Bay Times advising this Public Hearing.

These are the only exhibits to be offered into the record.

That is all.

MRS. CROWE:

Thank you, Mr. Roberts. I will accept the exhibits and they will be entered into the record as presented.

At this time we will take comments concerning this issue.

Are there any comments? Hearing none.

A transcript will be made and furnished to the Port Authority Staff. The Staff will make a recommendation to its Board of Commissioners, which will meet on November 18, 2025. The Staff recommendation will be available on November 10, 2025. If there is nothing else to come before this hearing, I declare this hearing closed at 10:36 a.m.

Docusign Envelope ID: DE33856C-C1CC-4C45-91D3-9F403BD40C9E

I, Heather Eblin-Crowe, have read and approve the form of the attached transcript of the October 28, 2025 Public Hearing for the Amendment to Lease with Cargill, Incorporated d/b/a Cargill Grain.

Dated on October 31, 2025.

Heather Eblin-Crowe

Heather Eblin-Crowe
Public Hearing Officer

Docusign Envelope ID: DE33856C-C1CC-4C45-91D3-9F403BD40C9E

EXHIBIT NO. 1
SKETCH OF THE PREMISES



Docusign Envelope ID: DE33856C-C1CC-4C45-91D3-9F403BD40C9E

EXHIBIT NO. 2
LEGAL AD – TAMPA BAY TIMES

57563

Tampa Bay Times

Published Daily

STATE OF FLORIDA} ss
COUNTY OF HILLSBOROUGH County

Before the undersigned authority personally appeared Jes Bowling who on oath says that he/she is a Legal Advertising Representative of the Tampa Bay Times a daily newspaper printed in St. Petersburg, in Hillsborough County, Florida that the attached copy of advertisement being a Legal Notice in the matter CARGILL, INC D/B/A CARGILL GRAIN was published in said newspaper by print in the issues of 10/05/25 or by publication on the newspaper's website, if authorized.

Affiant further says that the website or newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes. Affiant further says the said Tampa Bay Times is a newspaper published in Hillsborough County, Florida and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida each day and has been entered as a second class mail matter at the post office in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he/she neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Signature of Affiant Jesaca Bowling
Sworn to and subscribed before me this **10/05/2025**

Signature of Notary of Public
Personally known **X** or produced identification.
Type of identification produced _____

DEIRDRE A. BONETT
Notary Public - State of FLORIDA
Commission # HH601171
My Commission Expires Jan. 04, 2029

PORT TAMPA BAY
NOTICE OF PUBLIC HEARING

Notice is hereby given of a public hearing to be held at 10:30 a.m., October 28, 2025 before the Tampa Port Authority, d/b/a Port Tampa Bay at its offices located at 1101 Channelside Drive, Tampa, Florida 33602, to hear public comments regarding the following:

CARGILL, INC D/B/A CARGILL GRAIN – AMENDMENT TO LEASE

Additional information is available online at www.tampaport.com. All written comments and objections directed toward the foregoing matter should be filed with Port Tampa Bay, Real Estate Department, at 1101 Channelside Drive, Tampa, Florida 33602 by 12:00 noon on October 27, 2025. Oral comments and objections may be presented at the hearing.

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing should call (813) 905-5031 or fax (813) 905-5029 not later than 48 hours prior to the hearing.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH A PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

10/05/25 (57563b)

Docusign Envelope ID: DE33856C-C1CC-4C45-91D3-9F403BD40C9E

SIGN-IN SHEET

PUBLIC HEARING FOR

Amendment to Lease with Cargill, Incorporated, d/b/a Cargill Grain

Tuesday, October 28, 2025 @ 10:30 A.M.

PLEASE PRINT THE FOLLOWING INFORMATION

	YOUR NAME (Please print)	COMPANY NAME (Please print full company name)	COMPLETE COMPANY ADDRESS (Please print full company address)	Do you plan to comment?
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

NO ATTENDEES

SUBJECT: LEASE AMENDMENT WITH CARGILL, INC. D/B/A/ CARGILL SALT

BACKGROUND:

Cargill, Inc., d/b/a Cargill Salt (Cargill Salt), has leased approximately 8.98 acres on Hookers Point (Premises) from Port Tampa Bay (PTB) since 1999 for the storing, processing and distribution of bulk and bagged salt through PTB's Berths 201 and 202. In addition to this salt facility, Cargill leases land north of Port Ybor which was previously operated as a grain facility but will now be operated as a salt facility (Berth 256 Premises). Cargill desires to add two additional lease extension options of five years each and add approximately 3.34 acres of additional acreage contiguous to the Premises.

FACTS/COMMENTS:

PTB staff and Cargill Salt have negotiated the following terms for a lease amendment:

Existing Premises: Approximately 8.98 acres of land as outlined in Exhibit "A"

Additional Premises: Additional Premises would be approximately 3.34 acres as outlined in Exhibit "A". PTB would have the option to remove the Additional Premises during the first six (6) months of the Lease Amendment with sixty (60) days' advance written notice to Cargill and crediting any rental payments made for the Additional Premises to Cargill.

Use: Storing, processing and distributing of bulk salt, bagged and packaged salt, to include conveying, drying and processing of salt products.

Initial Term: The Initial Term expires on June 30, 2028 with two extension options of five years each. Cargill desires to exercise the first extension option of five years at this time, extending the Lease to June 30, 2033, and would have one extension option of five years remaining which would run from July 1, 2033 to June 30, 2038.

Additional Extension Options: The Lease would be amended to add two additional lease extension options of five years each. The new lease extension option periods, if exercised, would extend the Lease from July 1, 2038 to June 30, 2043 and July 1, 2043 to June 30, 2048.

Exiting Rent: Annual Rent for the Premises is currently $58,276.86 per acre or $523,326.19 annually and would be increased by CPI as set forth in the Lease.

Additional Premises Rent: Rent for the Additional Premises would be $40,000 per acre or $133,600 for 3.34 acres commencing on the effective date of the Amendment and continuing through June 30, 2026. Rent would be adjusted by the increase in CPI each year thereafter.

Annual Tonnage Guarantee (ATG):

The ATG of 150,000 tons would remain the same as set forth in the Lease.

Other: Cargill would continue to be responsible for all utilities, real estate taxes, site improvements, insurance, and maintenance of the Premises. In addition, Cargill would continue to comply with all seaport security laws, environmental regulations and laws and all other applicable regulations and laws.

Public Hearing: A public hearing was held on October 28, 2025, and there were no comments.

RECOMMENDATION:

Authorize the Port President/CEO, or his designee, to execute a lease amendment with Cargill, Inc, in accordance with the terms set forth in this agenda item, subject to review by Port counsel.

Board Meeting
November 18, 2025
Real Estate 460674

Exhibit "A"

Premises and Additional Premises



Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602

Memorandum

To: A. Paul Anderson
President and CEO

CC: Charles Klug
Raul Alfonso

From: Heather Eblin-Crowe

Date: October 31, 2025

Subject: Cargill, Inc., d/b/a Cargill Salt - Amendment to Lease - Public Hearing

This public hearing was held in accordance with procedures specified in Chapter 95-488, Laws of Florida. The subject public hearing was held before me on Tuesday, October 28, 2025 at 10:01 a.m. Attached is the transcription of the hearing along with copies of all exhibits.

Heather Eblin-Crowe Date October 31, 2025
Heather Eblin-Crowe
Hearing Officer

I hereby concur with the Hearing Officer's statement and recommend the President and CEO request approval by the Tampa Port Authority Board of Commissioners to approve the Amendment to Lease with Cargil, Incorporated d/b/a Cargill Salt.

Craig Roberts Date October 31, 2025
Craig Roberts
Director of Real Estate

Attachments

Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

PUBLIC HEARING TRANSCRIPT
October 28, 2025, at 10:01 a.m.
Cargill, Inc. d/b/a Cargill Salt – Amendment to Lease

ATTENDEES

Gabriella Esteves – Port Tampa Bay

HEARING OFFICER

Heather Eblin-Crowe

Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

MRS. CROWE:

Good morning. Today is Tuesday, October 28, 2025 and this public hearing is called to order at 10:01 a.m. This hearing is held under the authority and pursuant to Chapter 95-488 of the Laws of Florida. The purpose of the hearing is to hear comments from the general public and interested parties regarding the following:

AMENDMENT TO LEASE WITH CARGILL, INCORPORATED D/B/A CARGILL SALT

My name is Heather Crowe and I am employed by the Tampa Port Authority, doing business as Port Tampa Bay, and have been appointed by its Board of Commissioners to serve as a hearing officer at public hearings such as the one we are conducting today. Joining me is Craig Roberts, Real Estate Director, who will present the business terms of this project.

MR. ROBERTS:

Cargill, Inc., d/b/a Cargill Salt, hereinafter referred to as "Cargill Salt" has been leasing approximately 8.98 acres of land located on Hookers Point, hereinafter referred to as the "Salt Premises" since July 1, 1999. The current Term of the Lease expires June 30, 2028 but has two (2) lease extension options of five (5) years each. Cargill Salt uses the Premises for receiving, processing, packaging, distributing and storing bulk and pre-packaged salt.

Cargill also leases approximately 4.82 acres of land on Hookers Point at Berth 256, hereinafter referred to as the "Berth 256 Premises" which will have the same lease expiration and lease extension options as this Lease. Therefore, the Term for the Cargill Salt Lease and the Cargill Berth 256 Premises Lease run co-terminus with each other.

Cargill desires to add additional lease extension options and add additional acreage contiguous to the Salt Premises. Port Tampa Bay and Cargill have agreed to the following terms:

The Salt Premises consists of approximately 8.98 acres of land located on Hookers Point as outlined in Exhibit No. 1. The Additional Premises would be approximately 3.34 acres, hereinafter the "Expansion Premises" as outlined in Exhibit No. 2 for a total of approximately 12.32 acres of land. The new Premises would be used solely for the storage and distribution of bulk salt, bagged and packaged salt, to include conveying, drying, and processing of salt products. The Additional Premises may be removed at the option of Port Tampa Bay during the first six (6) months of the Lease Amendment with sixty (60) days advance written notice to Cargill, with any rental payments made for the Additional Premises credited.

Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

The current Term of the Lease expires June 30, 2028; however, Cargill would like to exercise the first extension option of five (5) years at this time extending the Lease to June 30, 2033 with the remaining extension option being July 1, 2033 to June 30, 2038.

The Lease would be amended to add two (2) Lease Extension Options of five (5) years each commencing on July 1, 2038. The additional Lease Extension Options would be from July 1, 2038 to June 30, 2043 and July 1, 2043 to June 30, 2048.

Rent for the Salt Premises which is currently $58,276.86 per acre or $523,326.19 annually; would be adjusted by CPI as set forth in the Lease and would continue through June 30, 2033 and the lease extension options, if exercised.

Rent for the Additional Premises would be $40,000 per acre, or $133,600 for 3.34 acres commencing on the effective date of the amendment and continuing through June 30, 2026. Rent would be adjusted by CPI each year thereafter.

Rent during the Extension Options for the Salt Premises and the Additional Premises would increase by CPI annually.

The minimum Annual Tonnage Guarantee (ATG) of 150,000 tons would remain the same as set forth in the Lease.

Cargill would continue to be responsible for all utilities, real estate taxes, site improvements, insurance, and maintenance of the Premises. In addition, Cargill would continue to comply with all seaport security and environmental regulations and laws, as well as any and all other applicable regulations and laws.

At this time, I would like to offer into the record the following exhibits:

Exhibit No. 1, which is the Sketch of the Salt Premises.

Exhibit No. 2, which is the Sketch of the Expansion Premises.

Exhibit No. 3, which is the Public Hearing Notice that appeared in the October 5, 2025 issue of the Tampa Bay Times advising of this Public Hearing.

These are the only exhibits to be offered into the record.

That is all.

Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

MRS. CROWE:

Thank you, Mr. Roberts. I will accept the exhibits as presented and they will be entered into the record.

At this time we will take comments concerning this issue.

Are there any comments? Hearing none.

A transcript will be made and furnished to the Port Authority Staff. The Staff will make a recommendation to our Board of Commissioners, which will meet on November 18, 2025. The Staff recommendation will be available on November 10, 2025. If there is nothing else to come before this hearing, I declare this hearing closed at 10:07 a.m.

I, Heather Eblin-Crowe, have read and approve the form of the attached transcript of the October 28, 2025 Public Hearing for the Amendment to Lease with Cargill, Incorporated d/b/a Cargill Salt.

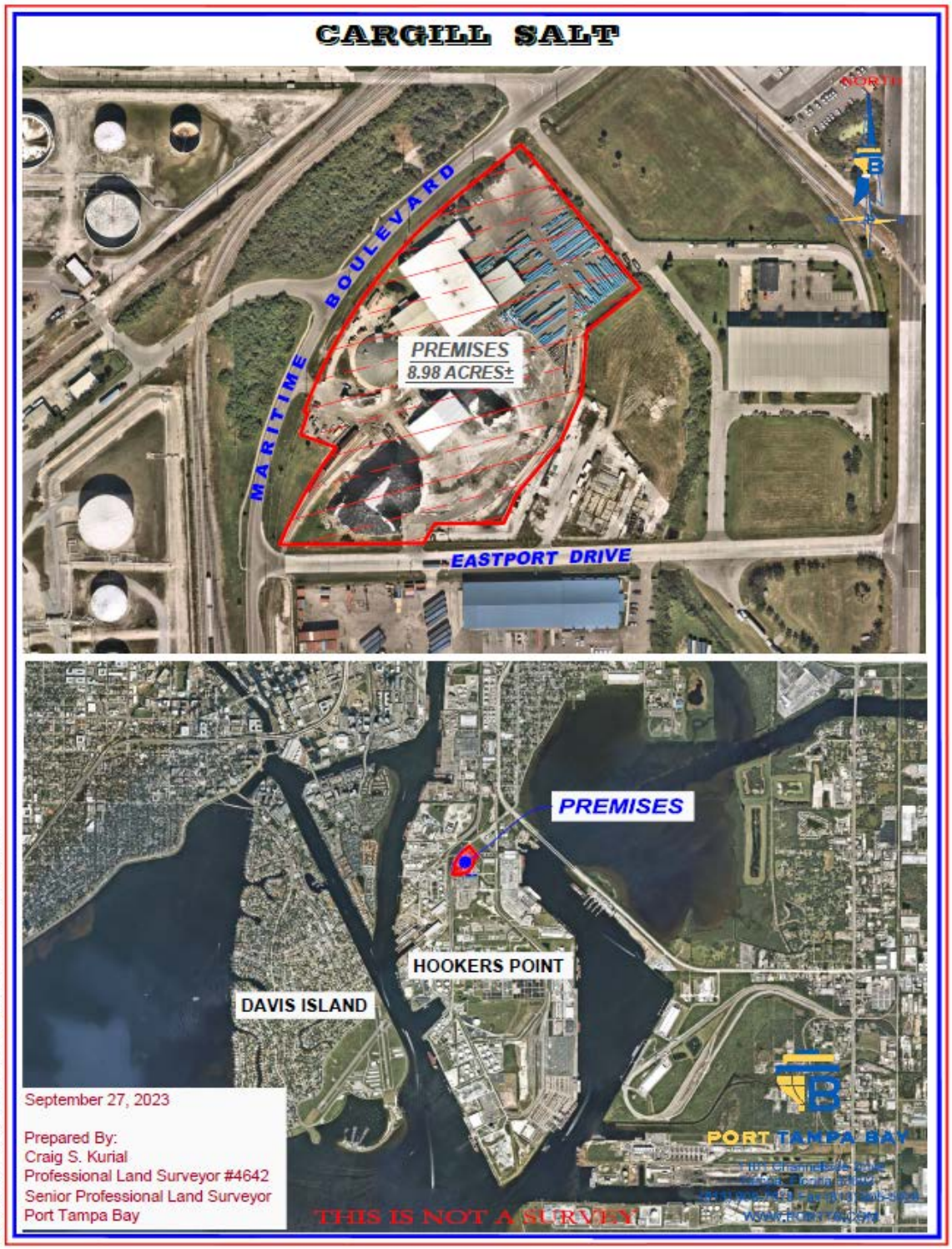
Dated on October 31, 2025.

Heather Eblin-Crowe

Heather Eblin-Crowe
Public Hearing Officer

Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

EXHIBIT NO. 1
SKETCH OF THE SALT PREMISES



Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

EXHIBIT NO. 2
SKETCH OF THE EXPANSION PREMISES



Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

EXHIBIT NO. 3
LEGAL AD – TAMPA BAY TIMES

57562

Tampa Bay Times

Published Daily

STATE OF FLORIDA} ss
COUNTY OF HILLSBOROUGH County

Before the undersigned authority personally appeared Jes Bowling who on oath says that he/she is a Legal Advertising Representative of the Tampa Bay Times a daily newspaper printed in St. Petersburg, in Hillsborough County, Florida that the attached copy of advertisement being a Legal Notice in the matter CARGILL, INC. D/B/A CARGILL SALT was published in said newspaper by print in the issues of 10/05/25 or by publication on the newspaper's website, if authorized.

Affiant further says that the website or newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes. Affiant further says the said Tampa Bay Times is a newspaper published in Hillsborough County, Florida and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida each day and has been entered as a second class mail matter at the post office in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he/she neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Signature of Affiant Jessica Bowling
Sworn to and subscribed before me this **10/05/2025**

Signature of Notary of Public
Personally known X or produced identification.
Type of identification produced _____

DEIRDRE A. BONETT
Notary Public - State of FLORIDA
Commission # HH601171
My Commission Expires Jan. 04, 2029

PORT TAMPA BAY
NOTICE OF PUBLIC HEARING

Notice is hereby given of a public hearing to be held at 10:00 a.m., October 28, 2025 before the Tampa Port Authority, d/b/a Port Tampa Bay at its offices located at 1101 Channelside Drive, Tampa, Florida 33602, to hear public comments regarding the following:

CARGILL, INC. D/B/A CARGILL SALT – AMENDMENT TO LEASE

Additional information is available online at www.tampaport.com. All written comments and objections directed toward the foregoing matter should be filed with Port Tampa Bay, Real Estate Department, at 1101 Channelside Drive, Tampa, Florida 33602 by 12:00 noon on October 27, 2025. Oral comments and objections may be presented at the hearing.

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing should call (813) 905-5031 or fax (813) 905-5029 not later than 48 hours prior to the hearing.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH A PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

10/05/25 (57562b)

Docusign Envelope ID: FD5C20C9-9ABA-4B93-A401-062875E599B2

SIGN-IN SHEET

PUBLIC HEARING FOR

Amendment to Lease with Cargill, Incorporated, d/b/a Cargill Salt

Tuesday, October 28, 2025 @ 10:00 A.M.

PLEASE PRINT THE FOLLOWING INFORMATION

	YOUR NAME (Please print)	**COMPANY NAME** (Please print full company name)	**COMPLETE COMPANY ADDRESS** (Please print full company address)	Do you plan to comment?
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

SUBJECT: STANDARD WORK PERMIT APPLICATION #23-044 – RD RWD TAMPA, LLC TRUSTEE FOR THE RIVERWALK DISTRICT WATERFRONT PROJECT LOCATED AT 102 S. PARKER ST., TAMPA, FLORIDA

BACKGROUND:

RD RWD Tampa, LLC Trustee (Applicant) has applied to Port Tampa Bay (PTB) for a standard work permit for a marine construction project for the Riverwalk District Waterfront. This project consists of constructing a floating private multi-family residential docking facility located at 102 South Parker Street in Tampa, Florida on the Hillsborough River.

The project has been assigned Standard Work Permit No. 23-044 and consists of constructing an approximately 2,684 square foot floating private multi-family residential dock with eight mooring boat slips, a kayak launch, a gabion and rip-rap revetment living shoreline structure with fill of approximately 383 cubic yards of material and an approximately 6,460 square foot pile supported section of Riverwalk underpass walkway underneath the Kennedy Boulevard bridge. In addition to the construction, this project would also include maintenance dredge of approximately 368 cubic yards of submerged material to a depth of five feet below mean low water.

FACTS/COMMENTS:

The project has received recommendations for approval from the Environmental Protection Commission (EPC) of Hillsborough County and has been deemed consistent with the *Imagine 2040: Tampa Comprehensive Plan* by the Hillsborough County City-County Planning Commission.

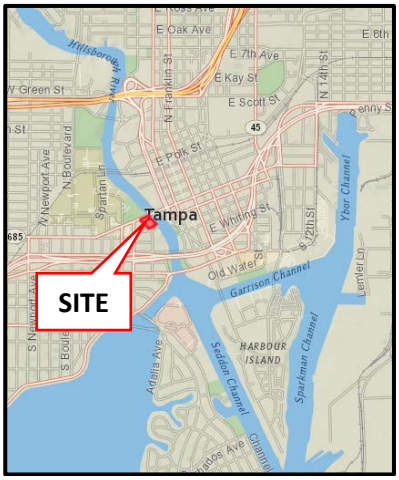
The applicant and PTB staff have agreed on two (2) specific conditions of approval to address potential navigation safety concerns and restrict watercraft rental activities at the docking facility.

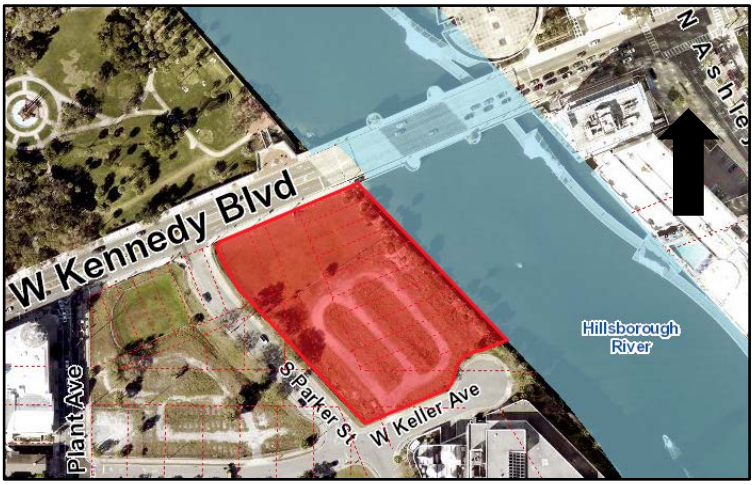
PUBLIC HEARING: A public hearing was held on March 17, 2025, and there were no comments.

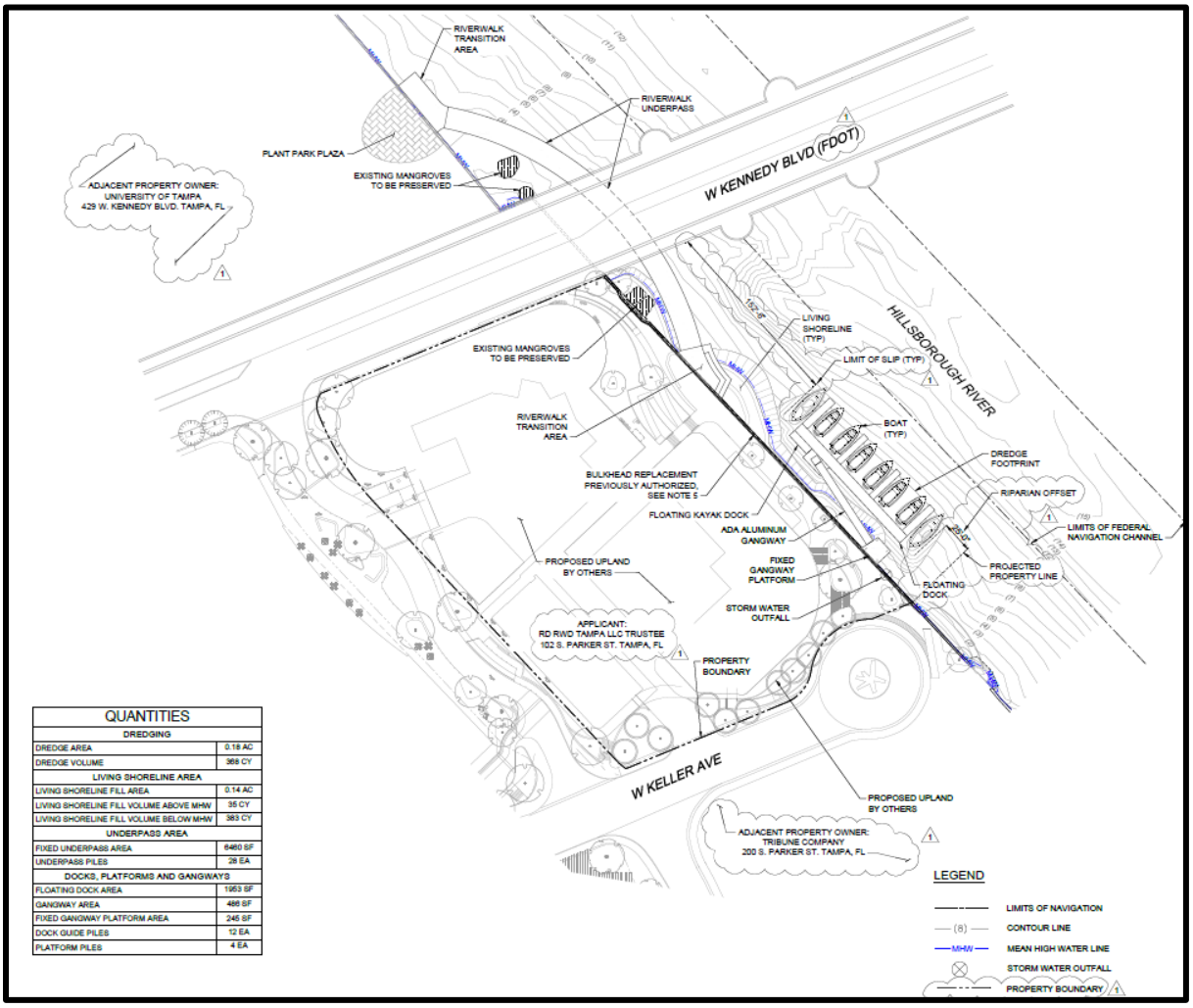
RECOMMENDATION:

Authorize the Port President/CEO, or his designee, to execute Port Tampa Bay's Standard Work Permit No. 23-044, subject to review by Port counsel.

Board Meeting
November 18, 2025
Environmental 446850







QUANTITIES	
DREDGING	
DREDGE AREA	0.18 AC
DREDGE VOLUME	368 CY
LIVING SHORELINE AREA	
LIVING SHORELINE FILL AREA	0.14 AC
LIVING SHORELINE FILL VOLUME ABOVE MHW	35 CY
LIVING SHORELINE FILL VOLUME BELOW MHW	383 CY
UNDERPASS AREA	
FIXED UNDERPASS AREA	6460 SF
UNDERPASS PILES	28 EA
DOCKS, PLATFORMS AND GANGWAYS	
FLOATING DOCK AREA	1953 SF
GANGWAY AREA	486 SF
FIXED GANGWAY PLATFORM AREA	245 SF
DOCK GUIDE PILES	12 EA
PLATFORM PILES	4 EA

Memorandum

PORT TAMPA BAY.
1101 Channelside Drive
Tampa, Florida 33602

To: A. Paul Anderson
President and CEO

CC: Charles Klug
Raul Alfonso

From: Craig Roberts

Date: March 17, 2025

Subject: Tampa Port Authority d/b/a Port Tampa Bay Standard Work Permit Application No. 23-044 for RD RWDTampa, LLC Trustee for the Riverwalk District Waterfront Project

This public hearing was held in accordance with procedures specified in Chapter 95-488, Laws of Florida. The subject public hearing was held before me on Monday, March 17, 2025 at 2:01 p.m. Attached is the transcription of the hearing along with copies of all exhibits.

Craig Roberts — Date 3/17/2025
Craig Roberts
Hearing Officer

I hereby concur with the Hearing Officer's statement and recommend the President and CEO request approval by the Tampa Port Authority Board of Commissioners to approve Standard Work Permit No 23-044.

Jackie Julien — Date 3/17/2025
Jackie Julien
Environmental Project Manager II

Attachments

PUBLIC HEARING TRANSCRIPT
March 17, 2025 at 2:01 p.m.

Tampa Port Authority d/b/a Port Tampa Bay
PTB Standard Work Permit Application No. 23-044

ATTENDEES

Barbara Baity – Port Tampa Bay
Chris Cooley – Port Tampa Bay
Debra Rivera – BDA
Robert Casey – FDOT

HEARING OFFICER

Craig Roberts

MR. ROBERTS:

Good morning. Today is Monday, March 17, 2025 and this public hearing is called to order at 2:01 p.m. This hearing is held under the authority and pursuant to Chapter 95-488 of the Laws of Florida. The purpose of the hearing is to hear comments from the general public and interested parties regarding the following:

PORT TAMPA BAY STANDARD WORK PERMIT APPLICATION #23-044 FOR RD RWD TAMPA, LLC TRUSTEE FOR THE RIVERWALK DISTRICT WATERFRONT PROJECT

My name is Craig Roberts and I am employed by the Tampa Port Authority, doing business as Port Tampa Bay, and have been appointed by its Board of Commissioners to serve as a hearing officer at public hearings such as the one we are conducting today. Sitting beside me is Jackie Julien, Environmental Project Manager of Environmental Affairs Department who will assist me in this hearing.

MRS. JULIEN:

Thank you. RD RWD Tampa, LLC Trustee has applied to the Tampa Port Authority's Environmental Department for a Standard Work Permit for a marine construction permit for the Riverwalk District Waterfront which has been assigned Standard Work Permit No. 23-044. The project is located at 102 South Parker Street in Tampa, Florida on the Hillsborough River and proposes construction of an approximately 2,684 square foot floating private multi-family residential multi-slip docking facility with eight (8) mooring boat slips and a kayak launch, maintenance dredge approximately 368 cubic yards of submerged material to a depth of 5-feet below mean low water, construction of a gabion and rip-rap revetment Living Shoreline structure with associated fill of approximately 383 cubic yards of material, and construction of an approximately 6,460 square foot pile-supported section of Riverwalk Underpass Walkway under the West Kennedy Boulevard bridge. The agent for this project is Breedlove, Dennis and Associates, Inc. and Moffit and Nichol.

There are twenty-five (25) exhibits that I would like to offer into the record:

Exhibit No. 1 – A copy of Port Tampa Bay Standard Work Permit Application Number 23-044 information received on September 8, 2023.

Exhibit No. 2 – A copy of the Port Tampa Bay (PTB) Environmental Department's initial application review Application Checklist memo listing incomplete items in the application submittal with determination that project scope of work constitutes a "Standard Work" review type that was sent out on October 20, 2023.

Exhibit No. 3 – A copy of full set of revised project site plans received on May 7, 2024.

Exhibit No. 4 – Copies of Port Tampa Bay Environmental Department's certified letters of notice, dated May 28, 2024 sent to the Environmental Protection Commission (EPC) of Hillsborough County Wetlands Division, the Planning Commission, 1500-foot radius riparian property owners in the area, and interested parties for review of the project proposal.

Exhibit No. 5 – A copy of emailed comments received on May 28, 2024 from the Tampa International Airport staff on behalf of the Federal Aviation Administration (FAA) stating no issues for this project.

Exhibit No. 6 – A copy of emailed comments received on June 3, 2024 from the Tampa Hillsborough Expressway Authority stating no comments or objections.

Exhibit No. 7 – A copy of Port Tampa Bay's Real Estate Department review memo stating ownership of sovereign submerged lands by City of Tampa received on June 4, 2024.

Exhibit No. 8 – A copy of the Florida Department of State Division of Historical Resources letter dated May 21, 2024 stating that their office concurs with USACE's determination that the proposed activities will have no adverse effect on historic properties with two recommended special conditions that was provided by the Agent on June 5, 2024.

Exhibit No. 9 – A copy of emailed comments received on June 5, 2024 from the City of Tampa Stormwater Department staff stating no City stormwater facilities in project area but a potential conflict with a concrete box culvert owned and maintained by the Florida Department of Transportation (FDOT) in the project area.

Exhibit No. 10 – A copy of emailed comments received on June 18, 2024 from the Florida Fish and Wildlife Conservation Commission (FWC) staff requesting additional information to complete their review with six (6) comments and/or questions.

Exhibit No. 11 – A copy of emailed comments received on June 19, 2024 from the FDOT stating a lease agreement between FDOT and owner of the pedestrian bridge will be required for the portion of the project under Kennedy Bridge.

Exhibit No. 12 – A copy of the Environmental Protection Commission of Hillsborough County (EPC) Wetlands Management Division review comments letter dated June 25, 2024 requesting additional information to address two (2) comments.

Exhibit No. 13 – A copy of Hillsborough County City-County Planning Commission resolution of this project dated July 8, 2024 indicating consistency with the *Imagine 2040: City of Tampa Comprehensive Plan*.

Exhibit No. 14 – A copy of the emailed Agent's response to comments and revised set of project site plans received on September 13, 2024, including a copy of Tampa Electric Company (TECO) review emailed comments dated August 8, 2024 stating that TECO has nothing on or encroaching the river front area in question.

Exhibit No. 15 – Copies of Port Tampa Bay Environmental Department's certified letters of notice, dated October 4, 2024, with the Agent's response to comments information and revised set of project site plans that were sent to the EPC of Hillsborough County Wetlands Division, the Planning Commission, 1500-foot radius riparian property owners in the area, and interested parties for review of the project proposal.

Exhibit No. 16 – A copy of the October 21, 2024 final review comments from FWC recommending seven (7) conditions to the permit to satisfy their requirements.

Exhibit No. 17 – A copy of the December 26, 2024 emailed final review comments from the FDOT stating the site is currently being permitted for drainage and impacts to FDOT roadway and pedestrian bridge under review by the FDOT Right-of-Way for a potential lease.

Exhibit No. 18 – A copy of the EPC Wetlands Management Division review comments letter dated December 31, 2024 stating no objection to the project with fourteen (14) conditions for approval.

Exhibit No. 19 – A copy of emailed comments received on January 10, 2025 from the U.S. Army Corps of Engineers project reviewer stating that the Corps navigation section indicated the proposed structure meets the setback guidelines; therefore, navigation section does not object to permitting this project.

Exhibit No. 20 – A copy of emailed comments received on January 29, 2025 from the City of Tampa Real Estate Department stating requirement of a Submerged Lands Lease allowing commercial use.

Exhibit No. 21 – A copy of forwarded emailed comments dated December 23, 2024 from the City of Tampa Zoning Department stating the dock/marina is shown on the approved site plan and appears to be consistent that was received by PTB Environmental Department on January 29, 2025.

Exhibit No. 22 – A copy of the Agent's emailed response to FDOT stating proposed owner of pedestrian bridge will be City of Tampa received on February 12, 2025.

Exhibit No. 23 – A copy of Southwest Florida Water Management District Environmental Resource Permit Individual Construction Major modification permit No. 43011822.003 issued on October 25, 2024.

Exhibit No. 24 – A copy of U.S. Army Corps of Engineers permit No. SAJ-2022-02585 issued on January 14, 2025.

Exhibit No. 25 – A copy of the Public Hearing Notice and Publication Affidavit. The Public Hearing Notice appeared in the February 23, 2025 issue of the Tampa Bay Times advertising this public hearing.

That is all.

MR. ROBERTS:

Thank you Mrs. Julien, I will accept the exhibits and they will be entered into the record as presented.

At this time we will take comments concerning this issue.

Are there any comments? Hearing none.

A transcript will be made and furnished to the Port Authority Staff. The Staff will make a recommendation to our Board of Commissioners, which will meet on March 25, 2025. The staff recommendation will be available on March 18, 2025. If there is nothing else to come before this hearing, I declare this hearing closed at 2:11 p.m.

I, Craig Roberts, have read and approve the form of the attached transcript of the July 30, 2024 Public Hearing for Standard Work Permit No. 23-048.

Dated on 3/17/2025.

Craig Roberts
Public Hearing Officer

SIGN-IN SHEET

PUBLIC HEARING FOR

SWP 23-044 RD RWD Tampa, LLC Trustee for the Riverwalk District Waterfront Property

Monday, March 17, 2025 @ 2:00 P.M.

PLEASE PRINT THE FOLLOWING INFORMATION

	YOUR NAME (Please print)	**COMPANY NAME** (Please print full company name)	**COMPLETE COMPANY ADDRESS** (Please print full company address)	Do you plan to comment?
1.	Debra Rivera	BDA	330 W. Canton Ave Winter Park, FL 32817	NO
2.	Robert Casey	FDOT	11201 McKinley Dr. Tampa, FL 33612	No
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

65

EXHIBIT #1 - SWPA 23-044 - PUBLIC HEARING

BDA
ENVIRONMENTAL CONSULTANTS

September 6, 2023
File: 2022-007-206

SENT VIA ELECTRONIC SUBMITTAL AND FEDERAL EXPRESS DELIVERY

Ms. Jackie Julien
Environmental Supervisor
Environmental Department
Tampa Port Authority d/b/a Port Tampa Bay
1101 Channelside Drive, Suite 400 (4th Floor)
Tampa, Florida 33602
Work: 813-905-5033
Email: jjulien@TAMPAPORT.com

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

RE: Minor Work Permit Application to Perform Work in Waters of the Hillsborough County Port District
Tampa Riverwalk Project
City of Tampa, Hillsborough County, Florida

Dear Ms. Julien:

Please find the enclosed Application for a Minor Work Permit for the proposed Tampa Riverwalk project located in the City of Tampa, Hillsborough County, Florida. Based on our discussions with Ms. Jackie Julien of the Tampa Port Authority (TPA) during our pre-application meeting and her follow-up e-mail dated October 20, 2022, we are requesting a Minor Work Permit (MWP) to perform work in waters of the Hillsborough County Port District for the proposed Tampa Riverwalk Project. The Tampa Riverwalk project site (project site) is located at 102 South Parker Street, City of Tampa, Hillsborough County, Florida and is located in Section 24, Township 29 South, Range 18 East, Hillsborough County, Florida (Exhibit 1). An aerial photograph of the project site is provided as Exhibit 2.

As discussed in the attached MWP application, associated drawings and graphics, the Applicant is proposing maintenance dredging, a floating dock with kayak launch, ADA-compliant gangway and fixed access platform, a Riverwalk underpass walkway and living shoreline along the Tampa Riverwalk waterfront in support of the City of Tampa Riverwalk District. The proposed water components of the Tampa Riverwalk project site encompass approximately 0.43 acre. The proposed project will consist of a pedestrian connection by providing an underpass walkway under the West Kennedy Boulevard Bridge, will serve as a boat and kayak dock for a multifamily residential and commercial development, and will

BREEDLOVE, DENNIS & ASSOCIATES, INC.
☑ 330 W. Canton Ave. ~ Winter Park, FL 32789-3195
Phone: 407-677-1882 ~ Fax: 407-657-7008
☐ 30 East Liberty St. ~ Brooksville, FL 34601-2910
Phone: 352-799-9488 ~ Fax: 352-799-9588

23-044

incorporate a living shoreline to restore natural functions along the shoreline of the Hillsborough River by creating tidal marsh and mangrove habitat for the purpose of providing wildlife habitat enhancement and shoreline erosion control.

To support the City of Tampa's vision for the Tampa Riverwalk District, a City of Tampa Bonus Provision Agreement was entered between Hillsborough River Realty Corp and the City of Tampa on March 24, 2017, to provide "A Riverwalk and under-bridge connection" as outlined in Section 3(B)(1) and depicted on "Exhibit C" within the agreement which is included as Exhibit 3. Hence, an Assignment and Assumption agreement was entered between Hillsborough River Realty Corp and RD RWD Tampa, LLC dated July 15, 2022, in order to proceed with the City of Tampa's vision and the proposed project outlined in this application (Exhibit 4). The Applicant/Owner is RD RWD Tampa, LLC, and Mr. Arturo Pena is the Vice President of RD RWD Tampa, LLC as shown in the Written Consent of the Sole Manager of RD RWD Tampa, LLC dated April 21, 2023 (Exhibit 5). The City of Tampa has approved the Substantial Change Determination Site Plan for the upland development which was signed and approved on February 1, 2023. The signed Site Plan including the City of Tampa Approval Letter dated January 31, 2023, is included as Exhibit 6. A boundary, topographic and tree location survey by GeoPoint Surveying, Inc. is included as Exhibit 7.

The proposed Tampa Riverwalk underpass walkway will provide a pedestrian connection from the Applicant's proposed Tampa Riverwalk residential and commercial development to the existing seawall along Plant Park at the University of Tampa by going under the West Kennedy Boulevard Bridge. The proposed underpass walkway including the two transitions areas on each side of the walkway is 369'10" in length and 17'2" in overall width. Currently, there are five existing concrete, underwater drilled shaft foundations beneath the Kennedy bridge that were installed when the Kennedy bridge was being rebuilt, that will be utilized to support the underpass walkway under the Kennedy bridge. The remaining portions of the walkway and transitions areas to the north and south of the bridge will be structurally supported with the installation of 28 piles. All of the piles will be steel pipe piles with a 12.75" diameter and installed using a vibratory method in order to minimize potential noise impacts during installation. The pilings for the proposed walkway will have a *de minimis* effect on filling surface waters. The total overwater footprint for the proposed riverwalk underpass including the two transition areas is approximately 6,460 square feet (SF); however, approximately 1,431 SF of the proposed underpass footprint is under the existing bridge (Exhibit 8). The proposed Riverwalk underpass and transitions areas will be solely over unvegetated surface waters along a seawall shoreline within the Hillsborough River. Please see the engineering drawings by Moffatt and Nichol as Exhibit 9.

The proposed finger-pier floating dock facility will serve as a transient and/or permanent boat and kayak dock for the proposed Tampa Riverwalk multifamily residential and commercial development. The

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

proposed dock is designed to include a maximum of eight slips consisting of six slips to accommodate a 30-foot vessel and two slips to accommodate a 40-foot vessel. The proposed docking facility will not have any fueling or clean out facilities or capabilities. The proposed floating dock facility includes a 245-SF aluminum framed, fixed gangway access platform area, a 6-ft by 75-ft long ADA-compliant articulating aluminum gangway area (486-SF), a 6-ft by 20-ft low freeboard floating dock for kayak and paddleboard use, and a 122-ft long pile-supported aluminum framed floating dock with four 30-ft finger piers (1,953 SF). The low freeboard kayak dock was located on the landside of the dock to provide a protected harbor for launching kayaks and paddleboards. The kayak dock was located to the north of the gangway float at the upstream end of the docks to allow the gangway float to assist the user in stabilizing the kayak against the dock. The kayak dock can accommodate two transient kayak/paddleboard slips for launching. The number of proposed piles for the entire docking facility include four piles for the fixed access platform and 12 dock guide piles for the floating dock, with a total of 16 piles. All of the piles will be steel pipe piles with a 12.75" diameter and installed using a vibratory method in order to minimize potential noise impacts during installation. The pilings for the proposed walkway will have a *de minimis* effect on filling surface waters. The total overwater footprint for the proposed docking facility is approximately 2,684-SF over unvegetated surface waters within the Hillsborough River (Exhibit 8). The navigation channel of this portion of the Hillsborough River is approximately 100-foot in width. The closest location of the floating dock to the navigation channel is 38 feet located at the southern-most portion of the finger pier and at the furthest point from the bridge. Therefore, the proposed floating dock facility is following the surrounding dock line within this vicinity on the Hillsborough River in order to avoid navigational concerns. Please see the engineering drawings by Moffatt and Nichol as Exhibit 9.

The proposed dock facility location was established based on available water depths; however, the required depths to accommodate the docking facility are not available along the length of the seawall at the Riverwalk property. Therefore, the Applicant is proposing to dredge approximately 368 cubic yards (CY) of material in the vicinity of the proposed docking facility to bring the approximate depth to -5.0' at Mean Low Water (MLW); therefore, the water depth in the vessel mooring area will meet the standard of a minimum 4 feet of water depth at MLW. The dredging will also allow for at least a two-foot clearance between the mudline and the floating dock structure at MLW; therefore, the water depth in the vessel mooring area will meet the standard of having a minimum of 2 feet of water depth at MLW. The slope is assumed to be 3:1 as a natural angle of repose for soils underwater. The proposed dredging area is approximately 7,841-SF located solely in unvegetated surface waters within the vicinity of the proposed docking facility.

The Applicant is proposing to incorporate a living shoreline to restore natural functions along the shoreline of the Hillsborough River by creating tidal marsh and mangrove habitat for the purpose of providing wildlife habitat enhancement and shoreline erosion control. Living shorelines dissipate wave action, provide a

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

surface for aquatic plants to grow, and clean the water of excess nutrients that can provide benefits to wildlife and water quality. The proposed living shoreline will be constructed in unvegetated, nearshore water along the proposed Tampa Riverwalk seawall shoreline. The proposed living shoreline consists of three segments ranging in width from approximately 19 feet to a maximum of 39 feet with two gaps in between and parallel to the shoreline starting just south of the Kennedy bridge and continuing south along the waterfront ending at the fixed gangway platform of the proposed docking facility. The north portion of the living shoreline contains an existing naturally formed spoil area consisting of two well-established mangroves trees [one black mangrove (*Avicennia germinans*) and one white mangrove (*Laguncularia racemosa*)] that will be preserved in place and incorporated into the living shoreline design. It is expected that the mangroves will naturally recruit and grow. The living shoreline design was strategically planned at an intertidal elevation that will allow for native saltmarsh plant species to be planted and flourish, and to provide for aquatic wildlife habitat and water quality improvements. The planting elevations were determined relative to the MLW. The proposed plantings for the living shoreline include needle rush (*Juncus roemerianus*) at the higher marsh elevations and saltmarsh cordgrass (*Spartina alterniflora*) at the lower marsh elevations. As depicted on the engineering drawings by Moffatt and Nichol as Exhibit 9, the design of the living shoreline will include: 1) a geotextile permeable bottom layer to help contain the soil above the mudline to allow for better survivorship of the planted needle rush and saltmarsh cordgrass; 2) one or two gabion structures depending on the location along the shoreline which will be installed waterward of the planting area to provide a permanent wave attenuation structure, to protect the planting areas, and to help contain the soils in the planting areas; and 3) a rock revetment along the most waterward portion of the living shoreline for the purpose of wave attenuation and erosion control. The proposed gabion wall structures are an approximate 3-foot by 3-foot permeable, monolithic gravity mass structures that are ideally suited for erosion control applications. The proposed living shoreline is designed to protect the mangroves and planted saltmarsh species, and to create a more natural and heathier shoreline ecosystem by providing aquatic wildlife habitat and improving water quality. Recent successful living shoreline projects along the Hillsborough River include Lowry Park, Rivercrest Park, Reed Property, Riverside Garden Park, Steward Middle School, USF Park, Cotanchobee Park, Ulele Springs and Julian B. Lane Park.

The total overwater impacts from the proposed project footprint are 9,144-SF consisting of the underpass area (6,460 SF), and the floating dock area, gangway area and fixed platform area (2,684 SF). The total in-water impacts from the proposed project footprint include the dredge area (7,840.8 SF) and the living shoreline area (6,098.4 SF). The proposed project will be solely over unvegetated surface waters along a seawall shoreline within the Hillsborough River. Based on a recent Resource Characterization Survey, there will be no adverse impacts to aquatic or benthic resources, including mangroves, wetlands, seagrasses, other submerged aquatic vegetation, essential fish habitat, coral or hardbottom (Exhibit 10).

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

The proposed project will comply with the National Marine Fisheries Service and the Department of the Army, Corps of Engineers (ACOE) Jacksonville District's Programmatic Biological Opinion (JAXBO) which analyzes the effect from 10 categories of minor in-water activities occurring in Florida on Listed Species and their critical habitat. Based on the criteria and information found within the JAXBO, the proposed project will not adversely affect any Listed Species and the proposed project is not located in any Listed Species Critical Habitat.

On April 17, 2023, an application (SAJ-2022-02585-MGH) was submitted to the ACOE requesting a Section 10 of the Rivers and Harbors Act Permit and a Letter of Permission Permit for the proposed Tampa Riverwalk Project. The application was assigned to Mr. Mark Marousky of the ACOE and is currently in review. An application for an Environmental Resource Permit with the Southwest Florida Water Management District will be submitted concurrently with this application. The Applicant understands that a sovereign submerged land lease through the City of Tampa will be required once the overall surface water impacts are approved by all necessary agencies and the required permits are issued.

All supporting information is included in the attached application package. This application package includes:

Attachment:	Minor Work Permit Application to Perform Work in Waters of the Hillsborough County Port District
Exhibit 1	USGS Topographical Map for the Tampa Riverwalk Project Site, City of Tampa, Hillsborough County, Florida
Exhibit 2	Aerial Photograph of the Tampa Riverwalk Project Site, City of Tampa, Hillsborough County, Florida
Exhibit 3	City of Tampa Bonus Provision Agreement for Hillsborough River Realty Corp.
Exhibit 4	Assignment and Assumption Agreement
Exhibit 5	Written Consent of the Sole Manager of RD RWD Tampa, LLC dated April 21, 2023
Exhibit 6	Substantial Change Determination Site Plan and City of Tampa Approval Letter dated January 31, 2023
Exhibit 7	Boundary, Topographic and Tree Location Survey by GeoPoint Surveying, Inc.
Exhibit 8	Surface Water Impacts on the Tampa Riverwalk Project Site, City of Tampa, Hillsborough County, Florida
Exhibit 9	Riverwalk District Waterfront Drawings and Plans by Moffatt & Nichol
Exhibit 10	Resource Characterization Survey Report by Breedlove, Dennis & Associates, Inc.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

If you any questions or need any further information, please do not hesitate to contact Ms. Debbie Rivera of Breedlove, Dennis & Associates, Inc. at 407-677-1882 or drivera@bda-inc.com. Thank you for your continued help with this permit application and proposed project.

Sincerely yours,

Debra C. Rivera

Debra C. Rivera, M.S.
Senior Scientist

W. Michael Dennis, Ph.D.
President

DCC/WMD/tnp

Enclosures

P:\Admin\Projects\2022007\TPA\Tampa Riverwalk\Tampa Riverwalk Cover Letter.docx

RECEIVED
SEP 08 2023
ENVIRONMENTAL SCPT

23-044

ATTACHMENT

MINOR WORK PERMIT APPLICATION
TO PERFORM WORK IN WATERS
OF THE HILLSBOROUGH COUNTY PORT DISTRICT

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

PORT TAMPA BAY

ENVIRONMENTAL DEPARTMENT
1101 Channelside Dr. Tampa, FL 33602
Ph: (813) 905-5031 · Fax: (813) 905-5050
www.tampaport.com

MINOR WORK PERMIT APPLICATION TO PERFORM WORK IN WATERS OF THE HILLSBOROUGH COUNTY PORT DISTRICT

For Official Use Only: Application # | Date Received:

☒ NEW ☐ PERMIT REVISION ☐ AFTER-THE-FACT *WN#* _____

SECTION I

1. MINOR WORK PERMIT APPLICATION - Brief Project Description:

The Applicant is proposing a pedestrian underpass walkway under the Kennedy Street bridge, maintenance dredging along with a floating dock facility to serve a proposed multi-residential and commercial development, and to incorporate a living shoreline to restore the natural functions of the Hillsborough River in order to support the vision of the City of Tampa Riverwalk District.

2. PROPERTY OWNER / APPLICANT INFORMATION

☐ *Request to be present at site inspection*

First Name: Arturo Last Name: Pena
Company Name/Title: RD RWD Tampa LLC Trustee
Mailing Address: 2850 Tigertail Avenue Suite 800
City: Miami State: Florida Zip Code: 33133
Telephone Number: (305) 970-8453
Email Address: arturo@relatedgroup.com

3. AUTHORIZED AGENT INFORMATION

☐ *Request to be present at site inspection*

First Name: W. Michael Last Name: Dennis, PhD
Company Name/Title: Breedlove, Dennis, & Associates, Inc.
Mailing Address: 330 West Canton Avenue
City: Winter Park State: Florida Zip Code: 32789
Telephone Number: (407) 677-1882
Email Address: drivera@bda-inc.com

4. CONTRACTOR INFORMATION

☐ *Request to be present at site inspection*

First Name: Matthew Last Name: Anderson
Company Name/Title: Bellingham Marine
Mailing Address: 1813 Dennis Street
City: Jacksonville State: Florida Zip Code: 32204
Telephone Number: (604) 358-3362
Email Address: manderson@bellingham-marine.com

SECTION II

1. LOCATION OF PROPOSED PROJECT

Site Street Address: 102 South Parker Street
City: Tampa State: Florida Zip Code: 33606
Folio Number(s): 194704-0000
Section: 24 Township: 29 S Range: 18 East
Name of Water Body at Project: Hillsborough River

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

2. PROPOSED USE

☐ Private Single-Family Dwelling ☒ Private Multi-Family Dwelling (Condominium, Apartment, etc.)
☒ Commercial ☐ Other (explain): _____

3. OWNER OF SUBMERGED LANDS: City of Tampa

☐ ***Leased Port Property or Port Easement*** *(Check box if applicable and attach information.)*

4. PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:

Permit Number(s): N/A Date: _____

5. PROJECT DESCRIPTION

NOTE: Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

A. STRUCTURES:

☒ NEW WORK ☒ MAINTENANCE ☐ ADDITION

1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK

a. Length of Shoreline: 583 Linear Ft.
b. Number of Proposed Docks: 1 No. of Boat Slips/Lifts: 8 / 0
c. Length from M/OHW to Waterward Edge of Structure: 62' 9" Ft.
d. Width of Structure: 465 Ft. Mooring Water Depth at M/OLW: -5.0' Ft.
e. Existing Structure Area: 0 Sq. Ft.
f. Proposed Structure Area: 9,144 Sq. Ft.
g. Overall Area of Facility: 9,144 Sq. Ft.

2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION:

a. Length of Shoreline at Site: 355 Linear Ft.
b. Length of Work Proposed along Shoreline: 295 Linear Ft.
c. Seawall Vertical Height: 6.5 - 7.0 Ft.
d. Rip-Rap Slope: Horizontal Distance: Max 39 Ft.; Vertical Height: 3.0 Ft.
e. Type of Material: Gabion structure with clean rock revetment
f. Volume: 10,341 Cubic Ft. Below MHW/OHW

3) OTHER TYPE OF STRUCTURE: (Please Explain) Proposed Living Shoreline is described under Section 2.

For Utility Pipeline Projects: Refer to the Guidelines and Engineering Standards for Submerged Land Utility Crossing

B. DREDGING / EXCAVATION

☐ NEW WORK ☒ MAINTENANCE

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED:

a. Length: Max 180 Ft. Width Max 60 Ft.; Total Area: 7,841 Sq. Ft.
b. Depths: Existing -2.0' NAVD ; Proposed -5.0' NAVD
c. Volume: Above MHW 0 ; Below MHW 9,936 CF ; Total 9,936 Cubic Ft.
d. Area: Above MHW 0 ; Below MHW 7,841 SF ; Total 7,841 Sq. Ft.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

2) TYPE OF MATERIAL: Clean sand

3) STORAGE OF MATERIAL: ☒ On-site Storage ☐ Off-site Disposal Site: _____

If material is to be taken off-site, describe the method of material storage, haul routes, and specify the location with an attached Affidavit of Authorization from the disposal site's property owner, as applicable to the project.

C. FILLING

1) VOLUME: Above MHW _____ ; Below MHW _____ ; Total _____ Cubic Ft.

2) AREA: Above MHW _____ ; Below MHW _____ ; Total _____ Sq. Ft.

3) CONTAINMENT: Seawall _____ Dikes _____ Other (explain): _____

4) TYPE OF MATERIAL: _____

5) SOURCE OF MATERIAL: ☐ On-site ☐ Off-site: _____

Refer to the Fill Checklist for material sampling requirements and other applicable information.

6. WORK SCHEDULE: To Begin Project On: 04/01/2024 And Be Completed By: 07/01/2024

REMARKS / COMMENTS FOR PROJECT:

The City of Tampa is to issue submerged land lease.

SECTION III

PROJECT SITE ADJACENT RIPARIAN PROPERTY OWNERS:
(Please include Name, Address, Telephone Number, and Email)

Tribune Company Owner Name(s)	University of Tampa Owner Name(s)
Tribune Company Company Name/ Title	University of Tampa Company Name/ Title
200 S Parker Street Mailing Address	401 W Kennedy Blvd. Mailing Address
Tampa, FL 33606-2308 City; State; Zip Code	Tampa, FL 33606-1490 City; State; Zip Code
N/A Telephone Number/Email	N/A Telephone Number/Email

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

SECTION IV

AFFIDAVIT OF OWNERSHIP OR CONTROL of the property on which the proposed project is to be undertaken
I CERTIFY THAT: (**Must Check the Appropriate Box**)

☒ I am the record owner, lessee, or record easement holder of the property described below.

☐ I am not the record owner, lessee, or record easement holder of the property described below, but I will have the requisite property interest before undertaking the proposed project. (Please Explain in Remarks/Comments Section)

LEGAL DESCRIPTION OF PROJECT PROPERTY: (Use additional sheets, if necessary)
Please see the enclosed survey dated 10/07/2021 for the sketch and legal description of the property .

Arturo F. Peña for the firm
Print Name of Owner/Applicant

Signature of Owner/Applicant

Sworn to and subscribed before me at Miami-Dade County, Florida
, this 23rd day of August 20 23

NATALIE PEREZ
Notary Public - State of Florida
Commission # HH 292151
My Comm. Expires Jul 25, 2026
Bonded through National Notary Assn.

Natalie Perez
Notary Public

7/25/26 .
My Commission Expires

SECTION V

CERTIFICATION & AUTHORIZATION:

a. I authorize the agent listed in Section I to negotiate modifications or revisions, when necessary, and accept or assent to any stipulations on my behalf.

b. I understand I may have to provide any additional information/ data that may be necessary to provide reasonable assurance of evidence to show that the proposed project will comply with applicable water quality standards or other environmental standards both before construction and after the project is completed.

c. In addition, I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of making preliminary analyses of the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work, if a permit is granted.

d. Further, I hereby acknowledge the obligation and responsibility for obtaining all of the local, state and federal permits before commencement of any activity.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate and complete. I further certify that I possess the authority to undertake the proposed activity.

for the firm
Signature of Owner/Applicant

8/23/2023
Date

NOTE: **This application must be signed** by the person who desires to undertake the proposed activity or by an authorized agent. If an agent is applying on behalf of the applicant who is not the property owner, **attach proof of authorization for the agent to bind the property owner.**

PLEASE SUBMIT COMPLETED APPLICATION, REQUIRED DRAWINGS, AND FEE(S) TO:
TAMPA PORT AUTHORITY
ATTN: ENVIRONMENTAL DEPARTMENT
1101 CHANNELSIDE DR.
TAMPA, FL 33602

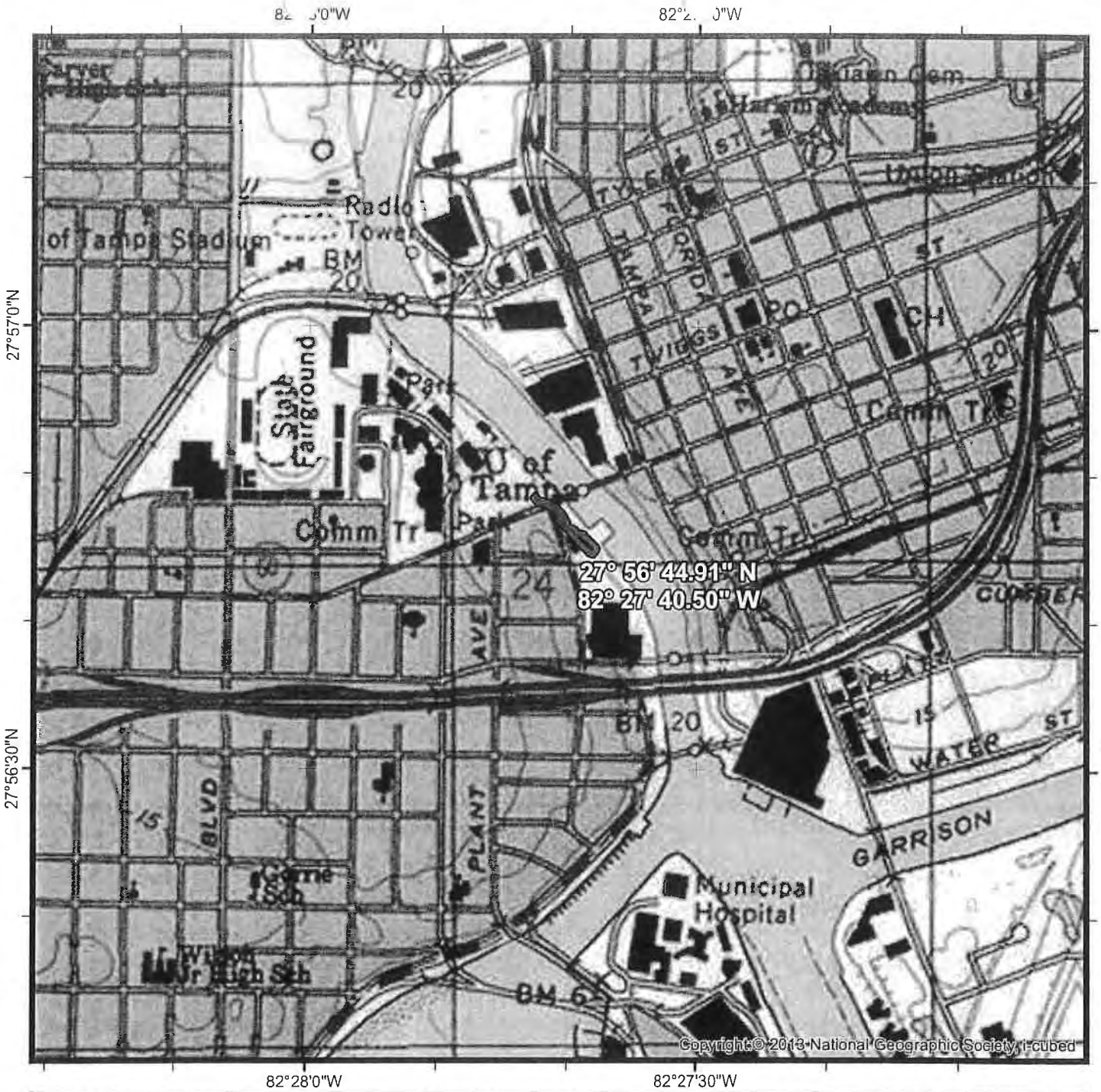
RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

EXHIBIT 1

USGS TOPOGRAPHICAL MAP FOR THE TAMPA RIVERWALK PROJECT SITE, CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044



Legend

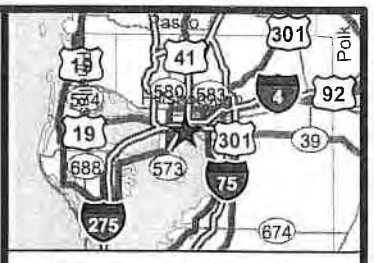
Project Area

Section 24, Township 29 S., Range 18 E.

USGS TAMPA, Fla. Quadrangle (7.5 Minute Topographic Map)

Source: Boundary taken from Hillsborough County Property Appraiser

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT



0 500 1,000 Feet
1 inch = 1,000 feet

EXHIBIT 1.
USGS TOPOGRAPHICAL MAP FOR THE TAMPA RIVERWALK PROJECT SITE, CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA.

BDA BREEDLOVE, DENNIS & ASSOCIATES, INC.
Environmental Consultants
330 W. Canton Ave., Winter Park, FL 32789 • 407-677-1882

CBT • 4/7/2023 • P:\ATG\2022007\Permit_Use\IP_202304\ARCGIS\Location.mxd

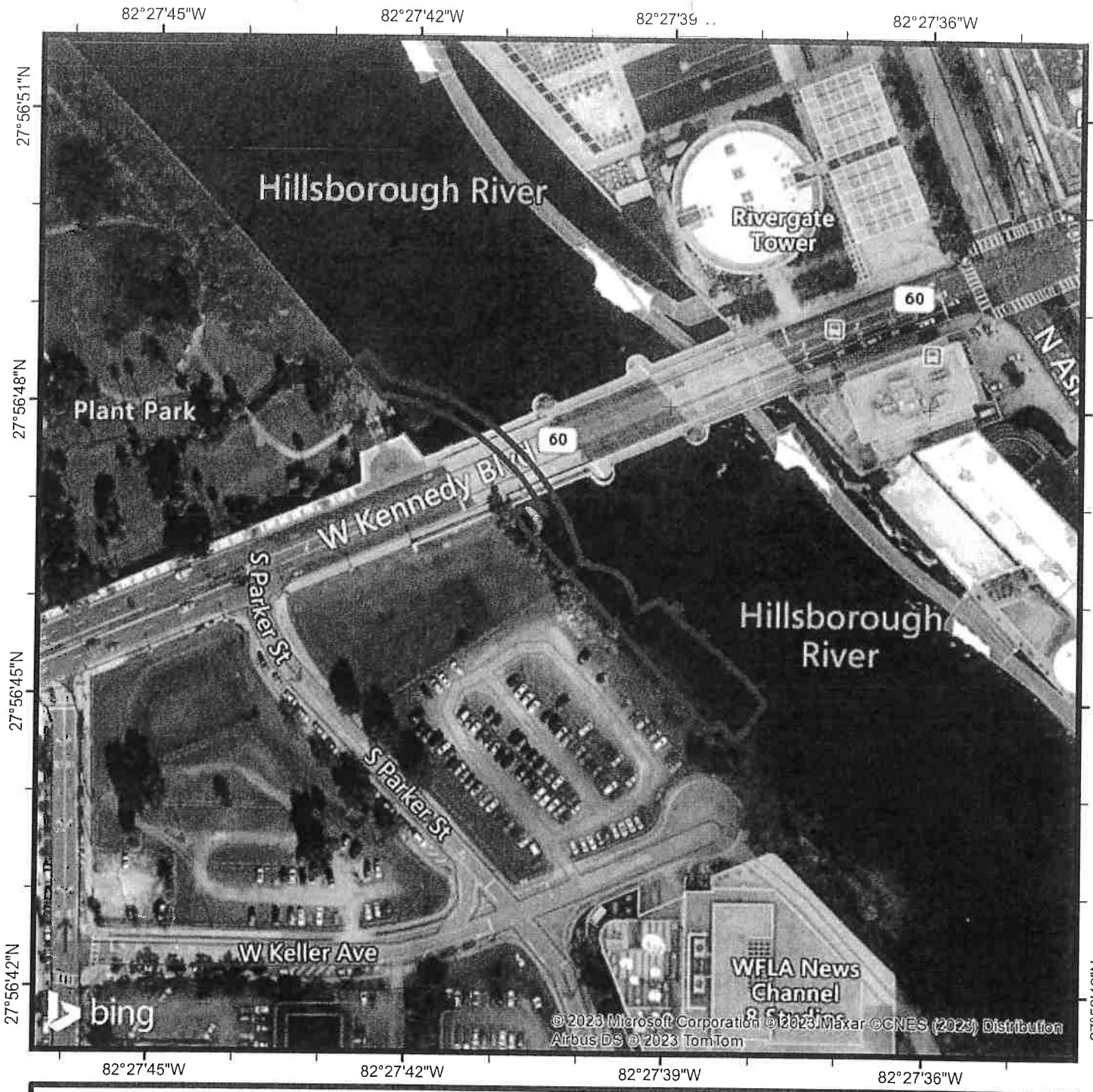
23-044

EXHIBIT 2

AERIAL PHOTOGRAPH OF THE TAMPA RIVERWALK PROJECT SITE, CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

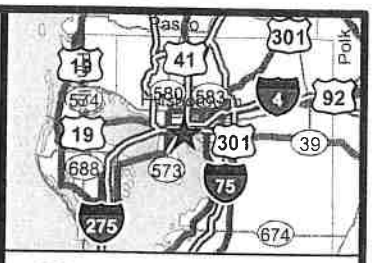


Legend

Project Area (0.43 ac)

Source: Boundary taken from files provided by: Moffatt & Nichol, 2023/04/06.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT



0 75 150 Feet
1 inch = 150 feet

EXHIBIT 2.
AERIAL PHOTOGRAPH OF THE TAMPA RIVERWALK PROJECT SITE, CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA.

BDA BREEDLOVE, DENNIS & ASSOCIATES, INC.
Environmental Consultants
330 W. Canton Ave., Winter Park, FL 32789 • 407-677-1882

CBT • 4/7/2023 • P:\ATG\2022007\Permit_Use\IP_202304\ARCGIS\Aerial.mxd

23-044

EXHIBIT 3

CITY OF TAMPA BONUS PROVISION AGREEMENT FOR HILLSBOROUGH RIVER REALTY CORP.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

11:49:24 AM, DEPUTY CLERK:LMAYE Pat Frank,Clerk of the Circuit Court Hillsborough County

CITY OF TAMPA BONUS PROVISION AGREEMENT

FOR

HILLSBOROUGH RIVER REALTY CORP.,
a Delaware Corporation

THIS BONUS PROVISION AGREEMENT IS ENTERED INTO THIS 24th DAY OF March 2017 BY AND BETWEEN HILLSBOROUGH RIVER REALTY CORP., A DELAWARE CORPORATION, ("DEVELOPER"), AND THE CITY OF TAMPA, FLORIDA, A MUNICIPALITY WITHIN THE STATE OF FLORIDA ("CITY").

WITNESSETH:

WHEREAS, the Developer is the owner ("**Owner**") of the land described in **Exhibit "A"** attached hereto and made a part hereof (the "**Property**"), which totals approximately 6.0 acres; and

WHEREAS, Developer or its successors and assigns, proposes to construct a mixed-use project on the Property and on certain adjacent submerged lands within the Hillsborough River (the "**Project**"), as generally depicted on the Rezoning Site Plan of rezoning petition REZ 17-06, attached hereto as **Exhibit "B"** (the "**Zoning Plan**"), which rezoning was applied for in order to obtain approval for the Project; and

WHEREAS, the Property has been designated RMU-100 on the City's Future Land Use Map pursuant to its Comprehensive Plan, which designations allow an intensity of up to 7.0 Floor Area Ratio ("**FAR**") when the subject property is located within the Central Business District Periphery and when performance standards are met; and

WHEREAS, the Property is the subject of a previous PD Zoning approval and Development Agreement, which Development Agreement has been modified pursuant to an Amended and Restated Development Agreement of even date herewith (the "Amended and Restated Development Agreement"); and

WHEREAS, the Amended and Restated Development Agreement provides that the Property, due to prior commitments under regulations in effect at the time of the original rezoning approval, is vested to an FAR of 4.5 as set forth in Amended and Restated Development Agreement; and

WHEREAS, based on the Amended and Restated Development Agreement, the increase in intensity contemplated herein is for an increase in FAR from 4.5 to 7.0 (the "Incremental Bonus FAR"); and

WHEREAS, Section 27-140, City of Tampa Code, sets forth those performance standards for an increase in intensity in the form of provisions that allow for an intensity bonus when certain amenities are provided; and

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Page 1 of 20
Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM

WHEREAS, Section 27-140(d) provides further that Developer and the City must enter into a Bonus Provision Agreement describing the nature and timing of the amenities proposed, the desired intensity increase, and the penalty for noncompliance; and

WHEREAS, as provided in section 2(b), Art. VIII of the State Constitution and in chapter 166 Florida Statutes, municipalities have the power to enter into Bonus Provision Agreements with developers to encourage a stronger commitment to comprehensive and capital facilities planning, to ensure the provision of adequate public facilities for development, to encourage the efficient use of resources, to reduce the economic cost of development, to enhance and expand economic activity, and to provide certainty to developers in the approval of development and assurances that they may proceed in accordance with existing laws and policies, subject to the conditions of such approvals; and

WHEREAS, such Bonus Provision Agreements strengthen the public planning process, encourage sound capital improvement planning and financing, assist in assuring there are adequate capital facilities for the development, encourage private participation and comprehensive planning and reduce the costs of development; and

WHEREAS, the purpose of this Bonus Provision Agreement is to establish the amenities, reservations, and improvements which will be provided by the Developer as part of the Project, which amenities, reservations, payments and improvements (hereinafter the "**Amenities**", as further defined below) will be of significant benefit to the citizens of the City; and

WHEREAS, the Project will comply with the provisions of the approved PD Rezoning site plan, and all applicable land development regulations in accordance with the Amended and Restated Development Agreement and in accordance with this Bonus Provision Agreement; and

WHEREAS, provision of the Amenities will confer an area-wide benefit beyond the geographic limits of the Property; and

WHEREAS, the Project is consistent with the City of Tampa Comprehensive Plan.

NOW, THEREFORE, in consideration of the mutual terms, covenants and conditions contained herein, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is mutually agreed as follows:

Section 1. RECITALS. The above recitals are true and correct and are incorporated herein and made a part hereof.

Section 2. PURPOSE. Per Section 27-140(d), City of Tampa Code, the purpose of this Bonus Provision Agreement is to describe the nature and timing of the amenities proposed, the desired intensity increase and the penalty for noncompliance.

Section 3. DEVELOPER'S OBLIGATIONS: THE NATURE AND TIMING OF THE REQUIRED AMENITIES. All structures, infrastructure, improvements and utilities, as defined in this Section 3, are hereinafter collectively referred to as the "Amenities."

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Page 2 of 20
Requested By: J Lantigua, Printed: 9/27/2021 6:56 PM

A. **Development Incentive Amount.** Pursuant to Section 27-140(g), the amount to achieve the Incremental Bonus FAR is Eight Million One Hundred Seventy-Six Thousand Four Hundred Forty-Nine Dollars ($8,176,449.00) ("Bonus Amount"). Pursuant to Section 27-140(c) and (f), City of Tampa Code, the Developer must expend an amount equal or greater than the Bonus Amount on Amenities, which are described in Section 3B., below. Further, in accordance with Sec. 27-140(c), City of Tampa Code, in the event the certified materials and construction cost estimates of the Amenities show a deficiency between such estimates and the Bonus Amount, the Developer shall be obligated to make up the shortfall and shall have the option to do so by either (i) increasing and/or expanding the Amenities to satisfy the deficiency, provided that such increase or expansion must meet the requirements of Section 27-140(f), City of Tampa Code or (ii) paying the City a sum of money equal to such deficiency.

B. **Amenities.** Prior to the issuance of a temporary or permanent Certificate of Occupancy for any portion of the Project which exceeds an FAR of 3.5, Developer shall provide the Amenities listed below:

1. A Riverwalk and under-bridge connection as depicted on **Exhibit "C"**, attached hereto, pursuant to Section to 27-140(f)(3) Option 2 a. and b., City of Tampa Code; and

2. Public parking, in the amount of 166 spaces, pursuant to Section 27-140(f)(5), City of Tampa Code

C. **Building and Land Development Codes.** The Developer shall construct the Amenities in accordance with the Amended and Restated Development Agreement and applicable City of Tampa Code of Ordinances requirements except as otherwise stated herein.

D. **Penalty for Noncompliance.** Failure to comply with the obligations outlined herein shall serve as a basis for denial of any temporary or permanent Certificate of Occupancy ("CO") for any construction which exceeds an FAR of 3.5 within the Project. However, prior to any such denial on the basis of noncompliance, the City, through its Zoning Administrator, shall issue a notice of noncompliance to the Developer describing the event or condition of noncompliance in sufficient detail to enable a reasonable person to determine the action necessary to cure the noncompliance, and shall provide Developer with adequate opportunity after such notice to remedy any such noncompliance. In the event that the Developer fails to comply with any required obligation set forth herein after the City has issued its final CO, the City shall have the right to enforce this Bonus Provision Agreement through specific performance of this Bonus Provision Agreement or other remedies provided for in the City of Tampa Code of Ordinances or other applicable law.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

Section 4. THE INTENSITY INCREASE. In exchange for Developer's construction of the Amenities, which will serve the Project and benefit the City, the City hereby acknowledges and agrees that the construction of the Amenities meets the purpose and intent of the City of Tampa Land Development Code and the City of Tampa Comprehensive Plan, and entitles the Developer to an intensity bonus to increase the Project intensity from an FAR of 4.5 to an FAR of 7.0 and allowing development at 7.0 FAR in accordance with the provisions thereof.

Section 5. THE CITY'S OBLIGATIONS. The City herby covenants and agrees as follows with respect to the existing and future development of the Project:

A. The City shall diligently and in good faith process any, applications for permits or other approvals necessary for the construction of the Project and the Amenities described herein.

B. **Vested Rights.** The development entitlements, obligations of the City, and other provisions and restrictions provided for in this Bonus Provision Agreement shall be deemed to constitute vested property rights that shall run with and inure to the benefit of the Developer and its successors and assigns and shall not be limited, abridged, modified or eliminated, notwithstanding any future City ordinance, regulation or policy, nor any subsequent change in any state or local law which otherwise might apply, so long as those issues have been directly addressed by this Bonus Provision Agreement.

Section 6. MISCELLANEOUS.

A. **Bonus Provision Agreement Requirements.** Developer and the City of Tampa agree that the following statements and representations are true: i) no reservation or dedication of land for public purposes is required or necessary by the City, provided however nothing herein shall prevent other regulatory agencies from requiring a reservation or dedication of land through their permitting processes; ii) all local development permits required by City Code or other law(s) shall be obtained, regardless of whether this Bonus Provision Agreement addresses the particular permit or requirement, iii) all conditions, terms, restrictions, and other requirements determined to be necessary by the City for the public health, safety or welfare are provided for herein.

B. **Binding Effect.** This Bonus Provision Agreement is made for the sole benefit and protection of the Parties and no other person, party or entity shall have any right or cause of action hereunder. This Bonus Provision Agreement shall be binding upon the parties hereto and, subject to the provisions of this Subsection B of Section 6, their respective successors and assigns. Developer shall have the right to assign its rights under this Bonus Provision Agreement, in whole or in part; provided, however, Developer shall have the right to assign its obligations under this Bonus Provision Agreement only in whole but not in part. In any case, Developer shall give notice to the City of any such assignment. In the event of an

RECEIVED
SEP 0 8 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Page 4 of 20
Requested By: J Lantigua, Printed: 9/27/2021 6:56 PM

assignment by Developer of all of its obligations, all the obligations under this Bonus Provision Agreement shall be deemed assumed by the assignee and Developer shall thereafter have no further obligation with respect to such obligations.

C. **Applicable Law; Jurisdiction; Venue.** This Bonus Provision Agreement, and the rights and obligations of the parties hereunder, shall be governed by, construed under, and enforced in accordance with the laws of the State of Florida. Venue for any litigation pertaining to the subject matter hereof shall be exclusively in Hillsborough County, Florida. If any provision of this Bonus Provision Agreement, or the application thereof to any person or circumstances, shall to any extent be held invalid or unenforceable by a court of competent jurisdiction, then the remainder of this Bonus Provision Agreement shall be valid and enforceable to the fullest extent permitted by law.

D. **Attorneys' Fees.** If it becomes necessary for any party to enforce its rights under the terms of this Bonus Provision Agreement, then each party shall bear its own attorney's fees and court costs, including all trial and appellate litigation fees and costs.

E. **Joint Preparation.** Preparation of this Bonus Provision Agreement has been a joint effort of the parties and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one party than the other.

F. **Exhibits.** All exhibits attached hereto contain additional terms of this Bonus Provision Agreement and are incorporated herein by reference.

G. **Captions or Paragraph Headings.** Captions and paragraph headings contained in this Bonus Provision Agreement are for convenience and reference only, and in no way define, describe, extend or limit the scope of intent of this Bonus Provision Agreement nor the intent of any provision hereof.

H. **Counterparts.** This Bonus Provision Agreement may be executed in several counterparts, each constituting a duplicate original, but all such counterparts constituting one and same Bonus Provision Agreement.

I. **Effective Date.** This Bonus Provision Agreement shall not become effective until it is properly recorded in the official records of Hillsborough County.

J. **Duration.** The term of this Bonus Provision Agreement shall be thirty (30) years from the date of execution hereof, unless earlier terminated as provided in Section L, below, or extended by mutual consent of the parties at a public hearing.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Page 5 of 20
Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM

K. **Amendment.** This Bonus Provision Agreement may be amended only by mutual written consent of the parties.

L. **Termination.** If the Developer, in its sole and absolute discretion, determines that the Project will not be constructed or will be constructed at an FAR of 4.5 or below, the Developer may notify the City in writing that this Bonus Provision Agreement is terminated, in which event the parties hereto will have no further rights, obligations or liabilities hereunder.

M. **Further Assurances.** Without limiting the Developer's termination rights as set forth in Section L, above, each of the parties hereto agrees to do, execute, acknowledge and deliver, or cause to be done, executed, acknowledged and delivered, all such further acts and assurances as shall be reasonably requested by the other party in order to carry out the intent of this Bonus Provision Agreement and give effect thereto. Without in any manner limiting the specific rights and obligations set forth in this Bonus Provision Agreement, the parties hereby declare their intention to cooperate with each other in effecting the terms of this Bonus Provision Agreement, and to coordinate the performance of their respective obligations under the terms of this Bonus Provision Agreement.

N. **Notices.** All notices and deliveries which are required or permitted under this Bonus Provision Agreement must be in writing, shall be sent to the physical addresses set forth below and shall be deemed to have been given, delivered or made, as the case may be: (i) on such business day when delivered by personal delivery and signed for by the recipient between the hours of 9:00 AM and 5:00 PM on a business day; or (ii) on the next business day after deposit (prior to the deadline for delivery on such business day) with a nationally recognized overnight delivery service, e.g., FedEx, which provides evidence of delivery.

For the City:	Zoning Administrator City of Tampa Land Development Coordination 1400 North Boulevard Tampa, FL 33607
With a Copy to:	City Attorney's Office City of Tampa 315 East Kennedy Boulevard Tampa, FL 33602
For the Developer:	Hillsborough River Realty Corp. c/o Jeffries Travis Realty Corp. 101 E. Kennedy Boulevard, Suite 2420 Tampa, Florida 33602 Attention: John N. LaRocca

RECEIVED
SEP 0 8 2023
ENVIRONMENTAL DEPT

Facsimile: (813) 229-0617
Email: John.LaRocca@murphylarocca.com

With a Copy to: Mechanik Nuccio Hearne & Wester, P.A.
305 S. Boulevard
Tampa, Florida 33606
Attention: David M. Mechanik, Esq.
Facsimile: (813) 276-1920
Email: dmm@floridalandlaw.com

The addresses to which notices are to be sent may be changed from time to time by notice delivered to the other party. For the purposes of this Bonus Provision Agreement a "business day" shall mean any day that national banks in Hillsborough County, Florida are required to be open for business, excluding Saturdays and Sundays.

O. **Periodic Review**. The City may conduct periodic review of this Bonus Provision Agreement to determine if there has been demonstrated good faith compliance with the terms hereof.

P. **Execution and Recordation**. This Bonus Provision Agreement shall be executed by Developer and the City within fourteen (14) days after the approval by the City Council. Within fourteen (14) days after the City executes this Bonus Provision Agreement it shall be recorded by the Developer in the official records of Hillsborough County, Florida.

THIS SPACE IS LEFT BLANK INTENTIONALLY

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659

Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM

IN WITNESS WHEREOF, the parties hereto, through their duly authorized representatives, have executed this Bonus Provision Agreement on the day(s) and year set forth below.

CITY:

CITY OF TAMPA, FLORIDA

By: Bob Buckhorn

Bob Buckhorn,
Mayor

Date: _____

ATTEST:

Shirley Foxx-Knowles
Shirley Foxx-Knowles, City Clerk

Approved as to Form:

By: _____
Assistant City Attorney

Date: 3/24/17

STATE OF FLORIDA
COUNTY OF HILLSBOROUGH

The foregoing instrument was acknowledged before me this 24th day of March, 2017, by Bob Buckhorn, as Mayor of City of Tampa, Florida. Such person is personally known to me or has produced a valid driver's license as identification.

Conchi L Tilton
Notary Public

Conchi I. Tilton
(Print, Type or Stamp Name)
Commission No. _____
My Commission Expires: 9/6/17

Notary Public State of Florida
Conchi I Tilton
My Commission FF 033740
Expires 09/06/2017

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Page 8 of 20
Requested By: J Lantigua, Printed: 9/27/2021 6:56 PM

WITNESSES

Gail E Shanahan
Print Name: Gail Shanahan

Susan J. Martin
Print Name: Susan T. Martin

DEVELOPER/OWNER:

HILLSBOROUGH RIVER REALTY CORP.,
a Delaware Corporation

By: John J Anton
Title: PRESIDENT
Date: 3/10/17

STATE OF ~~FLORIDA~~ SC
COUNTY OF ~~HILLSBOROUGH~~ Charleston

The foregoing instrument was acknowledged before me this 10 day of March 2017, by John Anton as President of HILLSBOROUGH RIVER REALTY CORP., a Delaware Corporation. Such person is personally known to me or has produced a valid driver's license as identification.

Susan J. Martin
Notary Public

Susan T. Martin
(Print, Type or Stamp Name)
Commission No. _____
My Commission Expires: 3.27.19

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Page 9 of 20
Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM

EXHIBITS

Exhibit A	-	The Property
Exhibit B	-	Zoning Plan
Exhibit C	-	Composite Drawings of Riverwalk and Under-bridge Connection

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659

Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM

EXHIBIT A

Legal Description

LAFAYETTE TOWER PARCEL

(LABELED AS DESCRIPTION OF "HILLSBOROUGH RIVER PROPERTY" ON SURVEY)

That part of HAYDENS SUBDIVISION, according to map or plat there of recorded in Plat Book 1, Page 44, of the Public Records of Hillsborough County, Florida and that part of REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County, Florida, described as follows:

From the Northwest corner of Lot 1, Block 17 of REVISED MAP OF BLOCK 17OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County,Florida, run thence N.67°32'55"E., 155.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F.KENNEDY BOULEVARD), to a point on the Northerly boundary of Lot 6 of said Block 17; continue thence N.67°32'55"E., 69.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to a point on the Northerly boundary of Lot 8 of said Block 17 for the POINT OF BEGINNING; from said POINT OF BEGINNING run thence, from a tangent bearing of S.33°16'29.5"W.,Southerly, 17.26 feet, along the arc of a circular curve to the left (having a radius of 18.00 feet, a central angle of 54°55'55.2", a chord bearing of S.05°48'31.9"W., and a chord distance of 16.60 feet), to a point of compound curve; thence Southeasterly, 84.19 feet, along the arc of a circular curve to the left (having a radius of 224.00 feet, a central angle of 21°31'59.7", a chord bearing of S.32°25'25.5"E., and a chord distance of 83.69 feet), to the end of said curve; thence S.43°11'25.3"E., 282.98 feet; thence S.52°09'16"E., 6.31 feet; thence, from a tangent bearing of N.85°46'40.4"E., Easterly, 2.55 feet, along the arc of a circular curve to the left (having a radius of 8.00 feet, a central angle of 18°13'45.4", a chord bearing of N.76°39'47.7"E., and a chord distance of 2.53 feet), to the end of said curve; thence N.67°32'55"E., 135.57 feet to the beginning of a circular curve to the left; thence Northeasterly, 33.05 feet, along the arc of said circular curve (having a radius of 32.00 feet, a central angle of 59°10'10.8", a chord bearing of N.37°57'49.6"E., and a chord distance of 31.60 feet), to a point of reverse curve; thence Northeasterly, 68.88 feet, along the arc of a curve to the right (having a radius of 48.00 feet, a central angle of 82°13'14.3", a chord bearing of N.49°29'21.4"E., and a chord distance of 63.12 feet), to the end of said curve; thence, on a non-tangent bearing of N.67°32'55"E., 35.03 feet, to the Combined Pierhead and Bulkhead Line on the Westerly side of the Hillsborough River according to map of "U. S. HARBOR LINES, TAMPA HARBOR, HILLSBORO RIVER AND HILLSBORO BAY", approved January 19,1953 by the Secretary of the Army; thence N.43°11'25.3"W., 355.45 feet, along said Combined Pierhead and Bulkhead Line to an intersection with the Northerly boundary of Lot 10, Block 17 of said REVISED MAP OF BLOCK17 OF HAYDEN'S SUBDIVISION (Southerly right-of-way line of JOHN F.KENNEDY BOULEVARD); thence S.67°32'55"W., 244.69 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to the POINT OF BEGINNING.

Containing 96,596 square feet to the nearest square foot or 2.218 acres, more or less.

City of Tampa
Right of Way & Mapping Section
LEGAL DESCRIPTION APPROVED
File #: REZ-17-06 Atlas: I-12
By: Jimmy Cook Date: 01/04/2017

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM

LAFAYETTE PARKVIEW PARCEL

(LABELED AS DESCRIPTION OF "PLANT AVENUE PROPERTY" ON SURVEY)

That part of HAYDENS SUBDIVISION, according to map or plat thereof recorded in Plat Book 1, Page 44, of the Public Records of Hillsborough County, Florida and that part of REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County, Florida, described as follows:

From the intersection of the Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 500, of the Public Records of Hillsborough County, Florida) with the North (KELLER AVENUE) boundary of Lot 10, Block 15 of said HAYDENS SUBDIVISION, run thence N.01°20' 04"E., 15.72 feet to the Intersection of the Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 501, of the Public Records of Hillsborough County, Florida) with the South (KELLER AVENUE) boundary of Lot 1, Block 15 of said HAYDENS SUBDIVISION; thence N.01°35'30"W., 51.76 feet, along said Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 501), for the POINT OF BEGINNING; from said POINT OF BEGINNING run thence, from a tangent bearing of S.01°35'30"E., Southeasterly, 19.85 feet, along the arc of a circular curve to the left (having a radius of 13.00 feet, a central angle of 87°29'55", a chord bearing of S.45°20'27.5"E., and a chord distance of 17.98 feet), to the end of said curve; thence S.89°05'25"E., 205.50 feet to the beginning of a circular curve to the left; thence Easterly, 140.37 feet, along the arc of said circular curve (having a radius of 427.00 feet, a central angle of 18°50'08.3", a chord bearing of N.81°29' 30.8"E., and a chord distance of 139.74 feet) to a point of compound curve; thence Northerly, 46.27 feet, along the arc of a circular curve to the left (having a radius of 23.00 feet, a central angle of 115°15' 52.0", a chord bearing of N.14°26'30.7"E., and a chord distance of 38.85 feet), to the end of said curve; thence, on a non-tangent bearing of N.62°28'25"W., 21.20 feet; thence N.43°11'25.3"W., 211.41 feet to the beginning of a circular curve to the right; thence Northwesterly, 79.24 feet, along the arc of said circular curve (having a radius of 281.00 feet, a central angle of 16°09'27.6", a chord bearing of N.35°06'41.5"W., and a chord distance of 78.98 feet), to the end of said curve; thence, on a non-tangent bearing of N.00°41'16"W., 21.68 feet; thence, from a tangent bearing of N.27°32'38.5"W., Northwesterly, 25.23 feet, along the arc of a circular curve to the left (having a radius of 25.00 feet, a central angle of 57°49'51.3", a chord bearing of N.56°27'34.1"W., and a chord distance of 24.18 feet), to an intersection with the non-tangent Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD (Northerly boundary of Lot 6, Block 17 of said REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION); thence S.67°32'55"W., 155.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to the Northwest corner of Lot 1 of said Block 17; thence S.01°35'30"E., 246.70 feet, along the Easterly right-of-way line of PLANT AVENUE (as defined by Deed Book V-1, Page 498 and by Deed Book V-1, Page 501, of the Public Records of Hillsborough County, Florida), to the POINT OF BEGINNING.

Containing 79,722 square feet to the nearest square foot or 1.830 acres, more or less.

City of Tampa
Right of Way & Mapping Section
LEGAL DESCRIPTION APPROVED
File #: REZ-17-06 Atlas: I-12
By: Jimmy Cook Date: 01/04/2017

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Page 12 of 20
Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM

LAFAYETTE CENTRAL PARCEL

(LABELED AS GRAND CENTRAL PARCEL ON SURVEY)

The North 36.50 feet of Lot 8 and all of Lots 9, 10, 11, and 12, Block 1, PLAN OF HYDE PARK, according to the map or plat thereof as recorded in Plat Book 1, Page 1, of the Public Records of Hillsborough County, Florida and all of Lots 3, 4, 5, 6, and 7, Block 13, PLAN OF WASHINGTON'S SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 1, Page 4 of the Public Records of Hillsborough County, Florida.

ALL BEING MORE PARTICULARLY DESCRIBED AS:

BEGINNING at the Northeast corner of Lot 12, Block 1, PLAN OF HYDE PARK, according to the map or plat thereof as recorded in Plat Book 1, Page 1, of the Public Records of Hillsborough County, Florida; run thence S.00°54'55"W., 316.55 feet, along the East boundary of Lots 12, 11, 10, 9, and 8 of said Block 1 (West right-of-way line of HYDE PARK AVENUE) to the Southeast corner of the North 36.50 feet of Lot 8 of said Block 1; thence N.89°15'18"W., 141.67 feet, along the South boundary of said North 36.50 feet of Lot 8 (North right-of-way line of CLEVELAND STREET), to the Southwest corner of the North 36.50 feet of Lot 8 of said Block 1 (Southeast corner of Lot 7, Block 13, PLAN OF WASHINGTON'S SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 1, Page 4 of the Public Records of Hillsborough County, Florida); continue thence N.89°15'18"W., 96.11 feet along the South boundary of said Lot 7, Block 13 (North right-of-way line of CLEVELAND STREET), to the Southwest corner thereof; thence N.00°49'47"E., 330.00 feet, along the West boundary of Lots 7, 6, 5, 4, and 3 of said Block 13 (East right-of-way of CEDAR AVENUE) to the Northwest corner of Lot 3 of said Block 13; thence S.89°15' 18"E., 96.11 feet, along the North boundary of Lot 3 of said Block 13 (South boundary of Lot 2 of said Block 13), to the Northeast corner of said Lot 3 (Southeast corner of said Lot 2); thence S.00°49'47"W., 13.45 feet, along the East boundary of Lot 3 of said Block 13 (West boundary of Lot 13, Block 1 of said PLAN OF HYDE PARK), to the Northwest corner of Lot 12 (Southwest corner of Lot 13) of said Block 1; thence S.89°15'18"E., 142.14 feet, along the North boundary of Lot 12 of said Block 1 (South boundary of Lots 13 and 14 of said Block 1), to the **POINT OF BEGINNING**.

Containing 76,637 square feet, to the nearest square foot, or 1.759 acres, more or less.

City of Tampa
Right of Way & Mapping Section
LEGAL DESCRIPTION APPROVED
File #: REZ-17-06 Atlas: I-12
By: Jimmy Cook Date: 01/04/2017

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM

EXHIBIT B

Zoning Plan

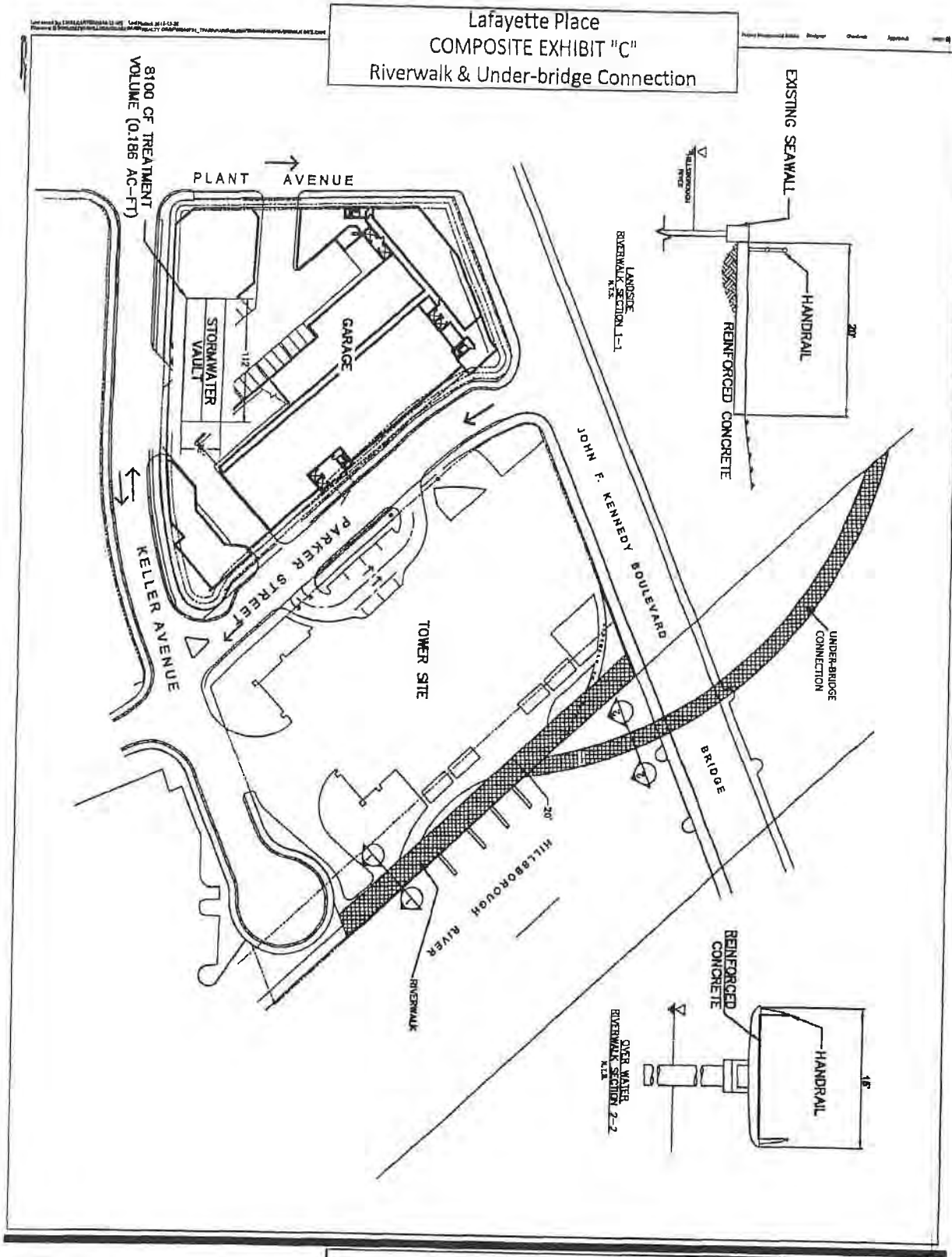
(Pending final version)

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

RECEIVED
SEP 12 2023
ENVIRONMENTAL DEPT.



Lafayette Place Rezoning
110 Parker Street / 102 S. Plant Avenue / 108 Cedar Avenue
A Request to Rezone from PD to PD
Hillsborough River Realty Company
Tampa, FL

AECOM

C1.00

RECEIVED
SEP 0 1 2023
ENVIRONMENTAL DEPT

23-044

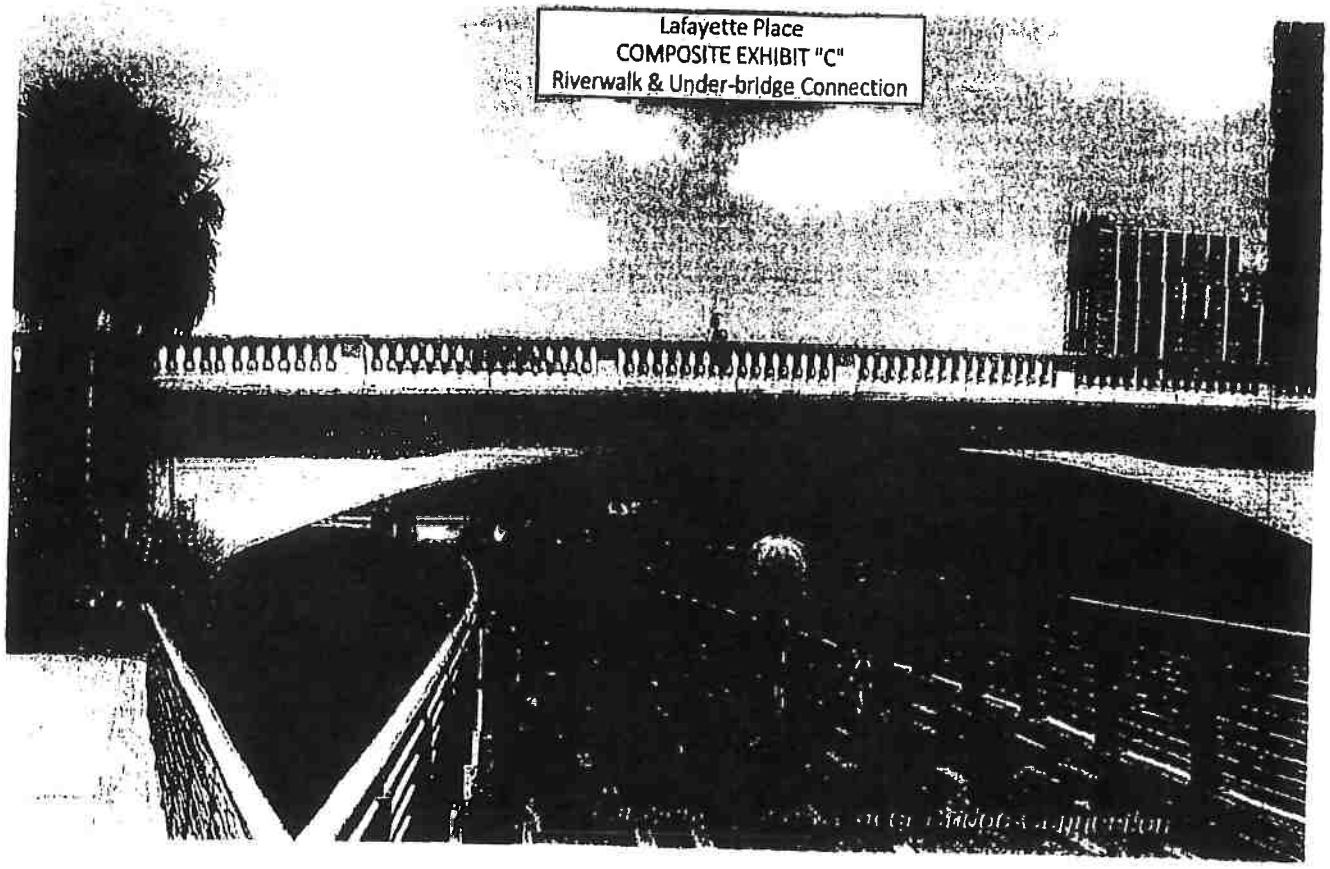
EXHIBIT "C"

Composite Drawings of Riverwalk and Under-bridge Connection

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

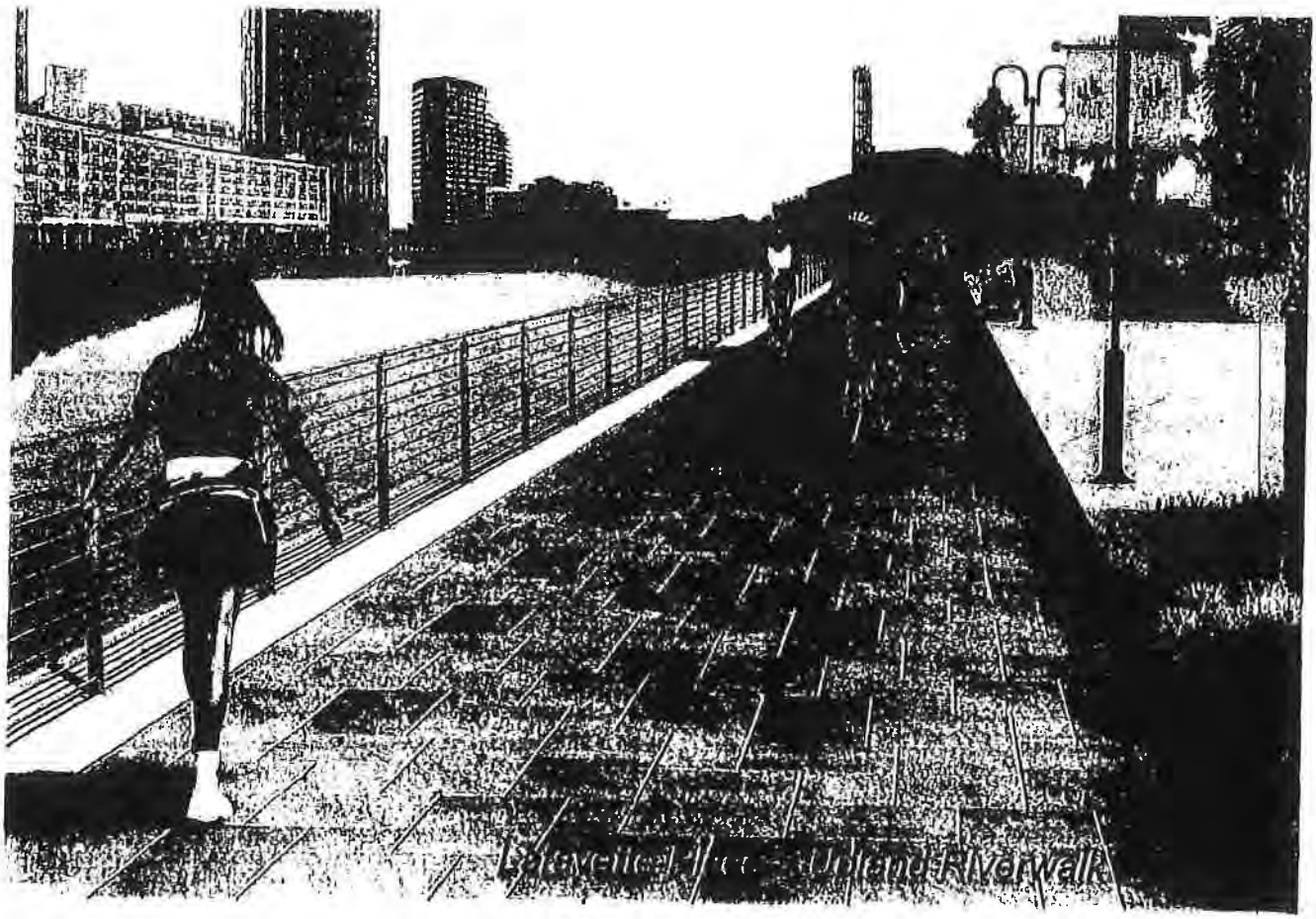
Order: 9881659
Requested By: J Lantigua, Printed: 9/27/2021 6:56 PM



RECEIVED
SEP 0 8 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Requested By: J.Lantigua, Printed: 9/27/2021 6:56 PM



RECEIVED
SEP 2 8 2023
ENVIRONMENTAL DEPT

23-044

Order: 9881659
Requested By: J.Lantigua, Printed: 9/27/2021 6 56 PM

EXHIBIT 4

ASSIGNMENT AND ASSUMPTION AGREEMENT

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

EXHIBIT 4

ASSIGNMENT AND ASSUMPTION AGREEMENT

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

INSTRUMENT # 2022353140
07/18/2022 at 11:02:45 AM
Deputy Clerk: RHENSON
Cindy Stuart, Clerk of the Circuit
Court Hillsborough County

This instrument prepared by and
after recording return to:

Ellen M. Macfarlane
Macfarlane Ferguson & McMullen
P.O. Box 1531
Tampa, Florida 33601-1531

ASSIGNMENT AND ASSUMPTION AGREEMENT

THIS ASSIGNMENT AND ASSUMPTION AGREEMENT (this "Agreement") is made this 15th day of July, 2022 (the "Effective Date") by **HILLSBOROUGH RIVER REALTY CORP.**, a Delaware corporation, whose address is 110 Church Street, Charleston, SC 29401 ("Assignor"), in favor of **RD RWD TAMPA, LLC**, a Florida limited liability company, as Trustee under that certain Land Trust Agreement dated as of July 15, 2022 and known as Trust Number RWD-2022, whose address is 2850 Tigertail Avenue, Suite 800, Miami, FL 33133 ("Assignee").

W I T N E S S E T H:

A. Assignor, as seller, and Assignee, as purchaser, are parties to that certain Purchase and Sale Agreement dated October 22, 2021, as amended and assigned (the "Purchase Agreement"), for the purchase and sale of certain real property located in Hillsborough County, Florida, more particularly described therein (the "Property").

B. Assignor entered into certain agreements pertaining to the Property with the City of Tampa, which are listed and described on Schedule 1, attached hereto as a part hereof (collectively, the "City Agreements"). Assignor is willing to assign such agreements to Assignee, together with Assignor's rights and obligations under City of Tampa Ordinance No. 2017-41 (the "Zoning Ordinance") and Assignee is willing to assume and perform Assignor's obligations thereunder, all as hereinafter set forth.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignor and Assignee, Assignor and Assignee hereby agree as follows:

1. Assignment of City Agreements. Effective as of the Effective Date, Assignor hereby grants, conveys, assigns, and transfers to Assignee, its successors and assigns, any and all right, title and interest of Assignor in, to and under the City Agreements and the Zoning Ordinance, to the extent assignable.

2. Acceptance and Assumption. Effective as of the Effective Date, Assignee hereby assumes, accepts and agrees to perform all of the terms, obligations, covenants and conditions of

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

the City Agreements and the Zoning Ordinance, required to be performed by Assignor thereunder from and after the Effective Date.

3. No Impairment of Purchase Agreement Provisions. Nothing contained in this Agreement shall be deemed to limit, waive or otherwise derogate from any warranty, representation, covenant or indemnification made in the Purchase Agreement by either party, or to waive or abrogate any limits on liability specified in the Purchase Agreement, and none of such provisions in the Purchase Agreement shall be deemed to have merged into the assignment made by this Agreement.

4. Miscellaneous

(a) Successors and Assigns. All of the covenants, terms, and conditions set forth herein shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

(b) Attorneys' Fees and Costs. In the event that it becomes necessary for any party hereto to engage the services of any attorney to enforce the provisions of this Agreement, such party shall be entitled to recover from the other, in the event such party shall be the prevailing party in the purpose for which such attorney is engaged, all costs incident to such enforcement, including reasonable attorneys' fees and costs (including all appeals), if any.

(c) Counterparts. This Agreement may be executed in any number of counterparts and delivered by electronically, each of which when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument.

(d) Captions and Paragraph Headings. Captions and paragraph headings contained in this Agreement are for convenience of reference only and are in no way intended and shall in no way be deemed to define, describe, extend or limit the scope, content, or intent of this Agreement or of any particular term, provision, or paragraph hereof.

(e) Modification, Amendment or Termination. This Agreement may not be changed, modified, amended, or terminated except as expressly set forth in a separate writing signed by each of the parties to this Agreement.

(f) Governing Law. This Agreement and the construction, interpretation, and enforcement hereof shall be construed in accordance with and governed by the laws of the State of Florida.

(g) Severability. If any of the terms, provisions, covenants, or conditions set forth in this Agreement or the application thereof to any particular circumstance shall be held to be invalid or unenforceable, the remainder of this Agreement shall not be affected thereby and each provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

[Remainder of page intentionally left blank]

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

IN WITNESS WHEREOF, Assignor and Assignee have executed this Assignment and Assumption of Development Agreement as of the Effective Date.

Witnesses:

Susan T. Martin
Print Name: Susan T. Martin

Elissa Flowers
Print Name: Elissa Flowers

ASSIGNOR:

HILLSBOROUGH RIVER REALTY CORP., a Delaware corporation

By: John J. Avlon
John J. Avlon, President

STATE OF South Carolina

COUNTY OF Charleston

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization on June 27, 2022, by John J. Avlon, as President of HILLSBOROUGH RIVER REALTY CORP., a Delaware corporation, on behalf of the company, who ☑ is personally to me OR ☐ who has produced a _____ as identification.

ELISSA FLOWERS NOTARY PUBLIC MY COMMISSION EXPIRES 11/16/2027 SOUTH CAROLINA

Elissa Flowers
Notary Public, State of ~~Florida~~ SC

Elissa Flowers
Type or print name of Notary

11/16/2027
Commission Expiration Date

(Notary seal must be affixed)

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

Witnesses:

RD RWD TAMPA, LLC, a Florida limited liability company, as Trustee under that certain Land Trust Agreement dated as of July 15, 2022 and known as Trust Number RWD-2022

By: _____

Print Name: Shereen Mustafa

Name: Steven Patterson

Its: President, RD

_____

Print Name: Natalie Perez

STATE OF Florida

COUNTY OF Miami-Dade

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization on July 13, 2022, by Steve Patterson, as Manager of RD RWD TAMPA, LLC, a Florida limited liability company, on behalf of the company, as Trustee under that certain Land Trust Agreement dated as of July 15, 2022 and known as Trust Number RWD-2022, who ☒ is personally known to me OR ☐ who has produced a _____ Driver's License or _____ as identification.

_____

Notary Public, State of Florida

Salvador Arce

Type or print name of Notary

8/13/2023

Commission Expiration Date

(Notary seal must be affixed)

Salvador Arce
Comm.#GG365375
Expires: August 13, 2023
Bonded Thru Aaron Nota

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

Schedule 1

City Agreements

1. Amended and Restated Development Agreement with an effective date of April 24, 2017 recorded in Official Records Book 24888, Page 1705.

2. Reciprocal Use Agreement dated January 2, 2002 recorded in Official Records Book 11381, Page 1160.

3. Right-of-Way Encroachment Agreement dated September 6, 2013 recorded in Official Records Book 22160, Page 1146.

4. City of Tampa Bonus Provision Agreement for Hillsborough River Realty Corp. dated March 24, 2017 recorded in Official Records Book 24823, Page 898.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

EXHIBIT 5

WRITTEN CONSENT OF THE SOLE MANAGER OF RD RWD TAMPA, LLC DATED APRIL 21, 2023

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

WRITTEN CONSENT OF THE SOLE MANAGER
OF
RD RWD TAMPA, LLC

April 21, 2023

The undersigned, constituting the sole manager (the "Manager") of **RD RWD TAMPA, LLC**, a Florida limited liability company (the "Company"), does hereby consent to, authorize, adopt and approve the following actions and resolutions:

WHEREAS, the Company is governed by that certain Operating Agreement, dated July 1, 2022, which provides that the Manager may appoint officers of the Company;

WHEREAS, the Manager desires to appoint Arturo Pena ("Pena") as a Vice President of the Company, with the authority specifically granted by these resolutions, to serve in such position until his successor is elected and qualified, or until his removal with or without cause; and

WHEREAS, the Manager desires to authorize Pena to act on behalf of the Company as an authorized representative of the Company, with the right, power, and authority, on behalf of the Company, to act, sign, and deliver all necessary and appropriate applications, permits, and certifications to city, county, state and federal governments and regulatory agencies concerning the development process (the "Development Actions"); provided however, there is no authority granted by these resolutions to execute real estate purchase and sale contracts as seller or buyer, general contractor agreements, or any document which serves to encumber title of property owned by the Company, including but not limited to mortgages, security or debt instruments, and easements.

NOW, THEREFORE, BE IT RESOLVED, that the undersigned hereby authorizes, ratifies, confirms, approves and consents to: (i) the appointment of Pena as Vice President of the Company; and (ii) Pena undertaking the Development Actions on behalf of the Company as an authorized representative of the Company; and be it further

RESOLVED, that all acts and things heretofore done by Pena, on behalf of the Company, on or prior to the date hereof, that would have been authorized had the foregoing resolutions been effective at such time be, and the same hereby are, in all respects ratified, confirmed, approved and adopted as acts on behalf of the Company; and be it further

[CONTINUED ON FOLLOWING PAGE]

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

RESOLVED, signatures delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, shall be given the same legal force and effect as original signatures.

IN WITNESS WHEREOF, the undersigned has given its consent to the foregoing resolutions as of the date first above written.

MANAGER:

RD RWD TAMPA, LLC, a Florida limited liability company

By: Ben Gerber
Name: Ben Gerber
Title: Vice President

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

EXHIBIT 6

SUBSTANTIAL CHANGE DETERMINATION SITE PLAN AND CITY OF TAMPA APPROVAL LETTER DATED JANUARY 31, 2023

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

City of Tampa
Jane Castor, Mayor

Development & Growth Management
Development Coordination
1400 North Boulevard
Tampa, Florida 33607

Office: (813) 274-3100

January 31, 2023

Ms. Alex Schaler
Gardner, Brewer
400 N. Ashley Street, Ste. 1100
Tampa, FL 33602

Subject: SUB-22-0000019 – 101 & 110 S. Parker St., 108 Cedar Ave., 104 S. Plant Ave.
Substantial Change Review (REZ-17-06)

Dear Alex:

Development Review and Compliance (DRC) staff completed the review of the proposed modification to the zoning site plan (File # REZ-17-06; Ordinance 2017-41), for the properties located at 101 & 110 S. Parker Street, 108 Cedar Avenue, and 104 S. Plant Avenue. The substantial change review request is to establish an alternative development scenario to the approved development plan pursuant to City of Tampa Code Section 27-138(7), and to conform site plan note adjustments to the alternative development scenario.

The proposed site plan uploaded in Accela on January 18, 2023 which submittal included a narrative and justification of the proposed change, **proposes the following**:

- Add an alternative development scenario as a new Note 1 which alters the mix of uses to include: (i) 32,670 SF of Retail Uses; (ii) 1,110 Multi-Family Residential dwelling units and includes both condominiums and apartments; (iii) helistop; (iv) Principal Parking (this use is limited to those parking spaces in excess of the code required spaces for all on-site uses); (v) Boat Slips. The alternative development utilizes the equivalency matrix to exchange 322,368 square feet of office for 735 dwelling units, resulting in a maximum residential cap of 1100 dwelling units. Notwithstanding the approved entitlement mix, in no event may pm peak hour two way external vehicle trips exceed 839 vehicles. At vertical building permit, the peak hour pm trips will be calculated to verify the trip cap has not been exceeded;
- At each vertical building permit, cumulative FAR will be provided to track the FAR trigger for implementation of the Bonus Provisions Agreement which agreement identifies the construction of the Riverwalk along the eastern property boundary, the under bridge Riverwalk connection and the location and provision of the 166 public parking spaces required above a project cumulative FAR of 4.5;

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

- At each vertical building permit, cumulative project FAR (and equivalent SF) will be provided to ensure the project FAR cap of 7.0 is not exceeded. Project site table calculates the alternative development scenario project square footage to be a maximum of 1,770,000 GSF based upon a FAR of 6.997. For purposes of the SF calculation, residential square footage was calculated by FAR calculation and not units per acre. Nevertheless, at vertical permitting, FAR, equivalent square footage and residential unit tracking and remaining capacity surplus will be provided as part of the Site Table at vertical permitting process;
- Concurrent with the vertical building permit, a cumulative project tracking mechanism of specific project and cumulative FAR including Bonus trigger, square footage, PM peak hour trip count, dwelling units and remaining surplus must be provided to Development Coordination Division of the Development and Growth Management Department for purposes of tracking conditions and requirements of the rezoning approval (REZ-17-06);
- School concurrency evaluation is required and will be evaluated at the vertical building permit review;
- While the Substantial Change site plan is conditionally approved by City of Tampa staff, FAA approval is required for permit issuance for the height requested on the site plan (specifically 600'). At such time as the FAA approves the requested height, the project height conditional approval will be updated in accela;
- Pursuant to new Note 23 and the approval of the Urban Design Coordinator, the Substantial Change approval satisfies the 30/60/90 review for site and building only. A 30/60/90 review continues to be required for all offsite improvements including roadways and the Riverwalk;
- Permitted landscaping and trees planted in the public right of way (if any) is the maintenance obligation of the developer;
- Development shall comply with City of Tampa Stormwater Technical Standards, Chapter 21, City of Tampa Code;
- Conditions of approval are identified in this letter and in departmental reviews uploaded into accela; and
- Approval by the City of Tampa does not imply approval of outside agencies who retain jurisdictional authority.

It is our determination that the proposed modification to the approved PD site plan (REZ-17-06; dated February 27, 2017, adopted pursuant to Ordinance 2017-41) is not a substantial change pursuant to Section 27-138(7). The modified site plan is stamped approved on February 1, 2023. Please note that the substantial change approval is for the request stated above and does not replace any conditions and/or requirements on the previously adopted zoning site plan (REZ-17-06).

RECEIVED
SEP 08 2023
ENVIRONMENTAL DE

City of Tampa

Jane Castor, Mayor

If you, or a surrounding property owner who received notice of the substantial change application and are an aggrieved party who participated by timely submitting evidence during the decision process pursuant to Section 27-61(c), disagree with any part of this determination, you may petition for review pursuant to Section 27-61:

Section 27-61(d): Time for filing petition for review: The petitioner shall file a petition for review of a decision no later than 5:00 p.m. ten (10) working days after the rendering of the decision sought to be reviewed. If the tenth day falls on a day that the city clerk's office is closed, then the filing period shall expire at 5:00 p.m. on the next business day on which the city clerk's office is open.

Pursuant to Florida Statutes Section 166.033, the issuance of this approval does not in any way create any right on the part of an applicant to obtain a permit from a state or federal agency and does not create any liability on the part of the City for issuance of the permit if the applicant fails to obtain requisite approvals or fulfill the obligations imposed by a state or federal agency or undertakes actions that result in a violation of state or federal law.

Pursuant to Florida Statutes Section 166.033, all other applicable state or federal permits must be obtained before commencement of the development.

"Development Permit" includes any building permit, zoning permit, subdivision approval, rezoning, certification, special exception, variance or any other official action of local government having the effect of permitting the development of land.

Please do not hesitate to contact me should you need additional information. For information regarding City of Tampa code regulations, please review www.municode.com.

Sincerely,

LaChone Dock

Digitally signed by LaChone Dock
Date: 2023.02.01 08:15:58 -05'00'

LaChone Dock
Planning & Development Coordinator
City of Tampa, Florida

Certificate of Mailing: December 14, 2022

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

Cc: Sierra Club

ZONING NOTES:

SUBSTANTIAL CHANGE DETERMINATION

1. The "Alternative Development" proposed in this Substantial Change Determination includes: (i) 32,670 square feet of Retail uses (defined as "Strip Shopping Center" with all "Commercial General" uses in the City of Tampa Code); (ii) 1,110 Multi-Family Residential dwelling units (defined as "Dwelling, multifamily", "Dwelling, multi-family mid-rise", and Dwelling, multi-family high-rise" in the City of Tampa Code and includes both condominiums and apartments); (iii) hellstop (defined as "Hotel/motel" in the City of Tampa Code and limited to the roof top of the southern Lafayette Tower building); (iv) Principal Parking (defined as "Parking, principal" in the City of Tampa Code, however, this use is limited to those parking spaces in excess of the City of Tampa Code required spaces for all on-site uses); and (v) ten (10) boat slips (subject to all applicable local, state and federal permitting requirements). The approved zoning (REZ17-06) approved 375 dwelling units and an Equivalency Matrix which permits the exchange of one approved land use for another approved land use. The Alternative Development utilizes the Equivalency to exchange 322,368 square feet of Office for 735 dwelling units which results in a total of 1,110 dwelling units being requested herein. The Alternative Development shall be permitted to utilize the setback encroachments specified in 27-159 (b) of the City of Tampa Code. The proposed hellstop use for any building is subject to review and approval by the FAA under the FAA 7480 process and must obtain all applicable permits.

2. The "Approved Development" includes (i) 690,000 square feet of Office (defined as "Office, business or professional" in the City of Tampa Code) ; (ii) 60,000 square feet of Retail uses (defined as "Strip Shopping Center" with all "Commercial General" uses in the City of Tampa Code); (iii) 375 Multi-Family Residential dwelling units (defined as "Dwelling, multifamily", "Dwelling, multi-family mid-rise", and Dwelling, multi-family high-rise" in the City of Tampa Code and includes both condominiums and apartments); (iv) 350 Hotel rooms (defined as "Hotel or motel" in the City of Tampa Code); (v) hellstop (defined as "Hellstop" in the City of Tampa Code and limited to the roof top of the Lafayette Tower building); (vi) Principal Parking (defined as "Parking, principal" in the City of Tampa Code, however, this use is limited to those parking spaces in excess of the City of Tampa Code required spaces for all on-site uses); and (vii) ten (10) boat slips (subject to all applicable local, state and federal permitting requirements). Alternative uses identified in the Equivalency Matrix include Medical Office (defined as "Office, medical" as defined in the City of Tampa Code), College and Schools (defined and "College" and "School" in the city of Tampa Code), Restaurant (defined as "Restaurant" in the City of Tampa Code) and Bar (defined as "Bar and lounge" in the City of Tampa Code). The proposed hellstop use for any building is subject to review and approval by the FAA under the FAA 7480 process and must obtain all applicable permits.

The amounts of each of these land uses may be increased or decreased in accordance with the provisions of the Equivalency Matrix approved herein as a part of this rezoning. Interim Parking is also permitted as defined in Section 27-43 of the City of Tampa Code pursuant to the permitting requirements of Section 27-283.13 of the City of Tampa Code. A sky-bridge is also a permitted use. The sky bridge is subject to the provisions of City of Tampa Ordinance 22160, as it may be amended. Existing chain link fences shall be permitted to remain until vertical development of the subject parcel is commenced. Overall building coverage shall not exceed eighty (80) percent, exclusive of hardscape areas. At project buildout there shall be a minimum of three land uses developed.

The specific location and configuration of the building footprint depicted within the Building Envelope Area may be adjusted from that shown on the PD Site Plan provided the building is wholly located within the Building Envelope Area. Any increase in the size of the building footprint shall be subject to review pursuant to the applicable sections of the City of Tampa Code. The Project may be built in phases, however, there is no definitive time for commencement or completion of any phase.

3. The requested increase in intensity above 4.5 FAR (885,342 sf) is subject to the satisfaction of the Bonus Provisions Agreement which identifies the following improvements: Construction of the Riverwalk along the eastern property boundary, the under bridge Riverwalk Connection from the subject property northward to Plant Park (University of Tampa) and the provision of 166 public parking spaces. .

4. Hotel, Retail, Restaurant and Bar/Lounge uses may include the sale and consumption of alcoholic beverages, subject to the applicable special use procedures set forth in the City of Tampa Code.

5. The project shall comply with City of Tampa Code, Chapters 5, 13, 20.5, 22, 23, 25, 26, and 27 (including the Section 27-243. - Kennedy Boulevard Corridor District Development Design Standards, where applicable), and all applicable supplemental regulations and technical standards, unless otherwise waived herein. The project shall also comply with City of Tampa Stormwater Technical Standards and City of Tampa Transportation Standards. The proposed pedestrian underpass of the Kennedy Blvd. Bridge and the public riverwalk multi-modal trail, as to cross frontage, must meet or exceed the City's minimum Tampa Multi-Modal Network and Safety Improvements Design Criteria. The pedestrian underpass cross section minimum width is 15' between handrails so long as the existing piles allow for such width. Developer shall create a smooth tie-in connection into the proposed public riverwalk trail facility in Plant Park, on the north side of the Kennedy Blvd. Bridge. Developer to coordinate with the City on the proposed pedestrian underpass design. City intends to grant Developer the ROW permitting needed for the Developer to extend the proposed riverwalk trail, southward, through Keller Avenue right-of-way, to WFLA's property line. Developer to provide ADA pedestrian accessible connection between the proposed public riverwalk trail facility and the Keller Avenue sidewalk/roadway. The six existing trees, in the Keller Avenue ROW, which may need to be removed to the extension of the proposed public riverwalk trail facility, will not be included in the Developer's tree disposition. If necessary for this proposed Parks & Rec addition, the City will compensate itself for the loss of these trees in the Parks & Rec Dept. Tree Bank trust. Bollards, or other structures, are to be placed outside the 6' sidewalk at the eastern end of the Keller Avenue cul-de-sac to prevent unauthorized motor vehicle access on the multi-modal trail.

6. The Developer shall comply with the following criteria from Chapters 13 and 27 of the City of Tampa Code:
   - During site plan review, the Developer will work with staff to try to preserve on-site trees where possible and feasible. Tree removal will only occur when building plans are approved and permits are issued for the parcel impacted for such development.
   - Site and landscape plans will be reviewed by the Natural Resources Section of the Planning and Development Department at the time of permitting. On-site remaining trees, if any, shall be protected during construction in accordance with all applicable City of Tampa Code requirements. Site demolition activities conducted within the protective radius of a protected tree remaining on site will be performed by hand under the supervision of an arborist. In order to meet the required 6' planting radius for proposed trees within paved surfaces, pervious pavement, turf block, or other approved surfaces shall be utilized to meet the intent of Chapter 27, for the 6' radius, with appropriate soil aggregate below the pervious surface. This soil aggregate is to contain 85% aggregate, 20% builder's sand, and 15% organic topsoil. Details will be provided at the time of permitting of the landscape plans. Where existing utilities are located adjacent to trees which are to remain, the utilities will be abandoned in place.
   - With respect to transplanted/relocated trees, if any, documentation will be provided to Natural Resources at the time of permitting identifying the tree relocation site(s), the mechanism of maintenance during the relocation process (to include best management practices), and in report format, a description of each tree at the time of relocation. After the trees are permanently relocated, the Developer will commit to a two-year maintenance agreement for the relocated tree(s).

7. The development shall comply with the requirements of Chapters 26 and 27 Section 27-268 of the City of Tampa Code regarding solid waste service. In accordance with Section 26-160, the Developer has the right to apply to the Department of Solid Waste to authorize a private hauler to remove solid waste from the development.
   - All compactors and dumpsters shall be located within buildings or parking structures and screened from external public view as required by City of Tampa Code.
   - A minimum 20' vertical clearance shall be provided over each at grade dumpster or compactor and over the service vehicle at the point of collection unless a lesser height is approved by the Solid Waste Department.
   - The dumpster or compactor location illustrated on the site plan may be relocated provided such relocations are reviewed for code compliance and deemed acceptable by the Department of Solid Waste prior to permitting. Any proposed relocation that alters the site plan in a manner that requires the City of Tampa Planning and Development Department to process the proposed change under the substantial change criteria of the City Code will be handled in accordance with applicable City of Tampa procedures.
   - Medical waste generated by the Medical Office, if any, shall be disposed of by a licensed private solid waste contractor based on approval from the City of Tampa Solid Waste Department.
   - Safety bollards shall be installed within the rear 2' of the compactor and dumpster areas.
   - An at grade level concrete slab at a minimum 6" thick/4,000 pounds per square inch shall be placed for the dumpster/compactor to be set on and shall accommodate no less than 60,000 pounds.
   - All solid waste vehicle drive aisles and solid waste maneuvering areas (outside of the collection areas) shall provide a minimum 16' clearance from finished grade level to lowest part of overhead structure/tree canopy/overhead utility lines.
   - All solid waste vehicle drive aisles and solid waste vehicle maneuvering areas shall be constructed to current State of Florida Department of Transportation, Standard Specifications for Road, and Bridge Construction.
   - The compactor shall be located within the building and set on a 3' 10" high dock platform with a winch system located at the rear of the platform as illustrated on the site plan. The minimum interior dimensions of the compactor area shall be 15' wide by 35' deep. The platform vertical clearance shall be a minimum of 12'2", A 16' minimum vertical clearance from the finished grade shall be provided within the compactor area over the service vehicle at the point of collection and door opening.
   - The opaque roll up door to the compactor area, if required, shall be a minimum of 15' wide and 16' in height (rolled up position) to allow adequate collection service.

8. The development will comply with Sections 22-103, 22-104 and 27-243 of the City of Tampa Code regarding the provision and design of sidewalks along the adjacent street rights-of-way. The Developer will ensure that all on-site sidewalks comply with ADA standards. The existing Kennedy Boulevard sidewalk will be reconstructed in accordance with the applicable Kennedy Boulevard Corridor District Development Design Standards. The missing sections of the existing sidewalks at former driveways and roadways will be provided.

9. Until such time as vertical construction commences on a building parcel within the project, such parcel may provide Interim Parking in accordance with the standards set forth in Section 27-283.13 of the City of Tampa Code, provided all applicable permitting is completed and approved..

10. The parking structure drive aisles may be gated subject to the requirements of Chapter 22.230 of the City of Tampa Code. If at any time the gate(s) negatively affect the adjacent public right of way, the Developer shall coordinate with the city to resolve any such negative effects. Each gate shall have a Knox Box to provide access to police, fire, and emergency services.

11. Temporary construction related buildings shall be permitted to be erected or placed on site during construction. Such buildings shall be removed upon completion of construction.

12. The Developer will consult with representatives of the Tampa Police Department to identify Crime Prevention Through Environmental Design (CPTED) strategies, as appropriate for incorporation within the project.

13. Where applicable, light fixtures shall be aimed away, or otherwise shielded, from adjacent residentially zoned properties and shall be of an intensity that does not create a negative impact on the adjacent residential properties and will be subject to and comply with the applicable "Dark Skies" criteria adopted in the City of Tampa Code.

14. Within two (2) years of completion of the development, if warranted, the Developer shall be responsible for the signalization of the intersection of Kennedy Boulevard and Plant Avenue if approved by the Florida Department of Transportation. The City of Tampa shall assist the Developer in obtaining the approval from the Florida Department of Transportation for subject signalization improvement. The Developer shall receive a dollar for dollar credit against their Transportation Mitigation Fee for the cost of the subject signalization improvement.

15. Prior to the issuance of a vertical building permit the developer will pay the City of Tampa a Transportation Mitigation Fee of up to $187,324.00, to be paid on a land use basis at a rate of $163.43 per 1,000 sf of office space, $327.83 per 1,000 sf of retail space; $65.44 per residential dwelling unit; and $86.70 per hotel room for which vertical building permits are being sought. The developer may apply for mobility fee credits for these contributions in accordance with the Transportation Mobility Fee Ordinance.

16. Abicycle rack shall be provided on each parcel as shown on the site plan or at a location consistent with the requirements of Chapter 27-139 of the City of Tampa Code.

17. All utility work performed within the city right-of-way shall be permitted through the Planning Division. Please submit an application, plans, certificate of insurance and MOT plan via: https://eca.tampagov.net/citizenaccess/default.aspx.

18. On-site lighting shall be provided in accordance with Subsection 27-243(e)(5), where applicable and will be subject to and comply with the applicable "Dark Skies" criteria adopted in the City of Tampa Code.

19. Development shall comply with Section 27-289 and Subsection 27-243(e)(7), where applicable, regarding signs .

20. Stormwater retention shall be provided on-site in underground facilities pursuant to Section 27-227(e)(5) of the city of Tampa code. The location of the existing 8,100 cubic foot (0.186 acre feet) underground stormwater facility is shown on the site plan and may be relocated. The potential locations of other stormwater facilities are also shown on the site plan.

21. Required sidewalks adjacent to the subject parcels shall be a minimum of ten (10') feet wide where feasible. A sidewalk easement will be provided to the City of Tampa to provide for the maintenance of any portion of a required public sidewalk located on private property. This easement will be completed prior to the first vertical building permit on any building parcel for which such sidewalks will be provided.

22. The off-site parking pedestrian route from 108 S. Cedar Avenue to 101 and 102 S. Parker Street shall follow a route along Hyde Park Avenue, Grand Central Avenue, Plant Avenue and Keller Avenue. The route will be signed, lighted, and maintained in a safe and attractive manner. [not required for Alternative Development]

23. The Substantial Change Site Plan provided herein shall satisfy the review of 30%, 60%, 90% site and building design documents previously required by the Urban Design Coordinator of the City of Tampa prior to construction plan submittal on the Lafayette Tower and Lafayette Parkview parcels. The 30%, 60%, 90% review shall continue to apply to public roadways and riverwalk improvements.

24. Encroachments shall be permitted when consistent with City of Tampa Code Section 27-159(b) on a case by case basis, per City review of each encroachment and type.

WAIVERS:

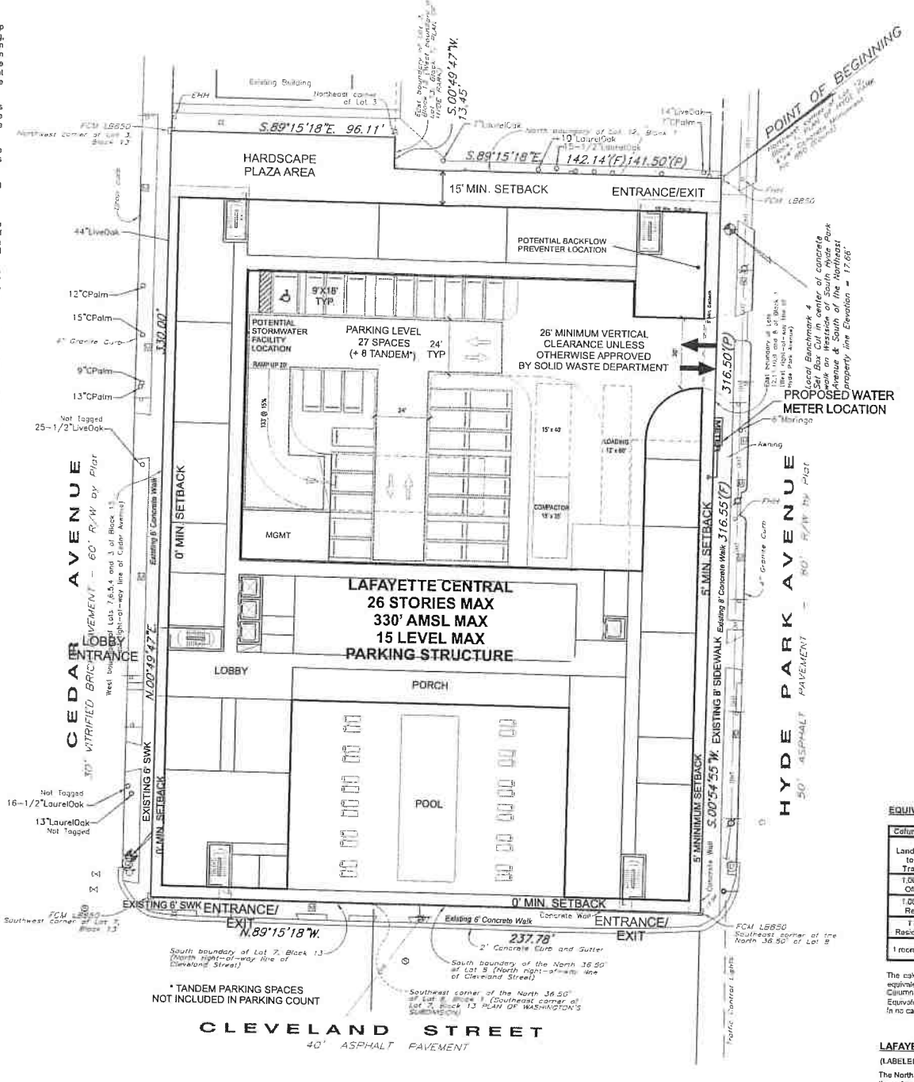
Waivers Previously Approved via Ordinance 97-113, Rezoning 97-23

1. Subsection 13-45(g)(4)a.: To increase the percentage of tree removal from 50% to 100%.
2. Subsection 13-45(e)(2): To remove a 44" non-hazardous grand tree. [Tree now deemed hazardous]
3. Subsection 27-160(b): To reduce the Kennedy Boulevard Special Setback from 54 feet to 40 feet.
4. Subsection 13-165(c): To allow up to fifty percent (50%) of replacement and required trees to be planted within the public right-of-way adjacent to the site or connecting the Developer owned parcels if permitted by the Natural Resources Department. The Developer will commit to a five-year maintenance agreement for the relocated tree(s).
5. Subsection 27-283.6(b)b.: To increase the off-site parking distance from 1,000 feet to 1,500 feet.
6. Subsection 27-286(j): A variance to allow Riverwalk, under bridge connection, bulkhead, boat slips, sidewalk, and hardscape areas within the minimum fifteen feet, average twenty-five feet, buffer for wetland jurisdictional line, based on reasonable use.

Waivers Previously Approved via Ordinance 2017-41, Rezoning Z17-06

7. Subsection 27-243(e)(1)(a)2: To allow the facade of the parking garage fronting Plant Avenue and Keller Avenue to forego the requirement to provide commercial and/or residential uses on the ground level, as well as to forego the requirement that such uses occupy a minimum of 50% of the wall plane at ground level of the structure due to the operational requirements of the parking garage.
8. Subsection 27-243(e)(3)b: To allow an increase in the maximum Build-to-lines (setbacks) for the Lafayette Tower parcel as follows:
   a. North setback increased from ten (10) feet to seventy (70) feet
   b. South setback increased from ten (10) feet to eighty-five (85) feet
   c. West setback increased from ten (10) feet to forty-five (45) feet
9. Subsection 27-243(e)(3)b: To allow an increase in the maximum Build-to-lines (setbacks) for the Lafayette Parkview parcel as follows:
   a. North setback increased from ten (10) feet to thirty-five (35) feet
   b. South setback increased from ten (10) feet to twenty-five (25) feet
   c. West setback increased from ten (10) feet to twenty (20) feet
   d. East setback increased from ten (10) feet to twenty (20) feet.
10. Subsection 27-243(e)(3)c.: To allow increase the allowable percentage of pedestrian amenities located within the Kennedy Boulevard building façade setback from 50% percent maximum to 100% maximum.
11. Subsection 27-243(e)(4)(b)2...
    a. To allow three driveways on Parker Street to be located a distance of greater than 100 feet from Kennedy Boulevard as depicted on the site plan, i.e., at a distance of approximately 170 feet (123' for Alternative Development) and 295 feet (277' for Alternative Development) along the east side of Parker Street and 310' (350' for the Alternative Development) feet along the west side of Parker Street.
    b. To allow one driveway along Plant Avenue to be located a distance of greater than 100 feet from Kennedy Boulevard as depicted on the site plan, i.e., at a distance of 190 feet (not applicable for Alternative Development driveway is 100' from Kennedy Blvd.) on Plant Avenue.
    c. To allow three driveways on Keller Avenue to be located as depicted on the site plan.
12. Subsection 27-283-12(j)(1): To allow three (3) project access driveways on a local street (Parker Street) as depicted on the site plan.
13. Subsection 27-283.14(B): To reduce the required number of loading berths to 1 per building requiring such loading areas.
14. Section 27-283.15.(4): To allow trucks to maneuver within the public right-of-way of Keller Avenue east of Parker Street to provide services and deliveries to the project site. (not applicable for Alternative Development).
15. Section 27-285(a): To reduce the eight foot vehicle use area buffer to five feet along the east side of Parker Street subject to fee in lieu at the time of permitting. (not required for Alternative Development).

Substantial Change Determination SUB22-19 / REZ17-06



Legal Description

LAFAYETTE TOWER PARCEL

(LABELED AS DESCRIPTION OF "HILLSBOROUGH RIVER PROPERTY" ON SURVEY)

That part of HAYDENS SUBDIVISION, according to map or plat there of recorded in Plat Book 1, Page 44, of the Public Records of Hillsborough County, Florida and that part of REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County, Florida, described as follows:

From the Northwest corner of Lot 1, Block 17 of REVISED MAP OF BLOCK 17OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County,Florida, run thence N.87°32'55"E., 155.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F.KENNEDY BOULEVARD), to a point on the Northerly boundary of Lot 6 of said Block 17; continue thence N.87°32'55"E., 69.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to a point on the Northerly boundary of Lot 8 of said Block 17 for the POINT OF BEGINNING; from said POINT OF BEGINNING run thence, from a tangent bearing of S.33°16'29.5"W.,Southerly, 17.26 feet, along the arc of a circular curve to the left (having a radius of 16.00 feet, a central angle of 54°55'55.2", a chord bearing of S.05°48'31.9"W., and a chord distance of 16.60 feet), to a point of compound curve; thence Southeasterly, 84.19 feet, along the arc of a circular curve to the left (having a radius of 224.00 feet, a central angle of 21°31'39.7", a chord bearing of S.32°25'25.5"E., and a chord distance of 83.69 feet), to the end of said curve; thence S.43°11'25.3"E., 282.98 feet; thence S.52°09'16"E., 6.31 feet; thence, from a tangent bearing of N.85°46'40.4"E., Easterly, 2.55 feet, along the arc of a circular curve to the left (having a radius of 8.00 feet, a central angle of 16°13'45.4", a chord bearing of N.76°39'47.7"E., and a chord distance of 2.53 feet), to the end of said curve; thence N.67°32'55"E., 135.57 feet to the beginning of a circular curve to the left; thence Northeasterly, 33.05 feet, along the arc of said circular curve (having a radius of 32.00 feet, a central angle of 59°10'10.8", a chord bearing of N.37°57'49.8"E., and a chord distance of 31.60 feet), to a point of reverse curve; thence Northeasterly, 88.88 feet, along the arc of a curve to the right (having a radius of 49.00 feet, a central angle of 82°13'14.3", a chord bearing of N.49°29'21.4"E., and a chord distance of 63.12 feet), to the end of said curve; thence, on a non-tangent bearing of N.67°32'55"E., 35.03 feet, to the Combined Pierhead and Bulkhead Line on the Westerly side of the Hillsborough River according to map of "U. S. HARBOR LINES, TAMPA HARBOR, HILLSBORO RIVER AND HILLSBORO BAY", approved January 19,1953 by the Secretary of the Army; thence N.43°11'25.3"W., 355.45 feet, along said Combined Pierhead and Bulkhead Line to an Intersection with the Northerly boundary of Lot 10, Block 17 of said REVISED MAP OF BLOCK17 OF HAYDEN'S SUBDIVISION (Southerly right-of-way line of JOHN F.KENNEDY BOULEVARD); thence S.67°32'55"W., 244.69 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to the POINT OF BEGINNING.

Containing 98,596 square feet to the nearest square foot or 2.218 acres, more or less

LAFAYETTE PARKVIEW PARCEL

(LABELED AS DESCRIPTION OF "PLANT AVENUE PROPERTY" ON SURVEY)

That part of HAYDENS SUBDIVISION, according to map or plat thereof recorded in Plat Book 1, Page 44, of the Public Records of Hillsborough County, Florida and that part of REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County, Florida, described as follows:

From the intersection of the Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 500, of the Public Records of Hillsborough County, Florida) with the North (KELLER AVENUE) boundary of Lot 10, Block 15 of said HAYDENS SUBDIVISION, run thence N.01°20' 04"E., 15.72 feet to the Intersection of the Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 501, of the Public Records of Hillsborough County, Florida) with the South (KELLER AVENUE) boundary of Lot 1, Block 15 of said HAYDENS SUBDIVISION; thence N.01°35'20"W., 51.76 feet, along said Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 501), for the POINT OF BEGINNING; from said POINT OF BEGINNING run thence, from a tangent bearing of S.01°35'20"E., Southeasterly, 19.85 feet, along the arc of a circular curve to the left (having a radius of 13.00 feet, a central angle of 87°29'55", a chord bearing of S.45°20'27.5"E., and a chord distance of 17.98 feet), to the end of said curve; thence S.89°05'25"E., 205.50 feet to the beginning of a circular curve to the left; thence Easterly, 140.37 feet, along the arc of said circular curve (having a radius of 427.00 feet, a central angle of 18°50'08.3", a chord bearing of N.81°29' 30.8"E., and a chord distance of 139.74 feet) to a point of compound curve; thence Northerly, 46.27 of N.14°28'30.7"E., and a chord distance of 38.85 feet), to the end of said curve; thence, on a non-tangent bearing of N.82°25'25"W., 21.20 feet; thence N.43°11'25.3"W., 211.41 feet to the beginning of a circular curve to the right; thence Northwesterly, 79.24 feet, along the arc of said circular curve (having a radius of 281.00 feet, a central angle of 16°09'27.6", a chord bearing of N.35°06'41.5"W., and a chord distance of 78.99 feet), to the end of said curve, thence, on a non-tangent bearing of N.00°41'16"W., 21.88 feet; thence, from a tangent bearing of N.27°32'38.5"W., Northwesterly, 25.23 feet, along the arc of a circular curve to the left (having a radius of 25.00 feet, a central angle of 57°49'51.3", a chord bearing of N.56°27'34.1"W., and a chord distance of 24.18 feet), to an intersection with the non-tangent Southerly right-of-way line of HAYDEN'S SUBDIVISION); thence S.67°32'55"W., 155.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to the Northwest corner of Lot 1 of said Block 17; thence S.01°35'20"E., 246.70 feet, along the Easterly right-of-way line of PLANT AVENUE (as defined by Deed Book V-1, Page 498 and by Deed Book V-1, Page 501, of the Public Records of Hillsborough County, Florida), to the POINT OF BEGINNING.

Containing 79,722 square feet to the nearest square foot or 1.830 acres, more or less

SITE DATA TABLE

Folio Numbers:	194704-000, 194070-000, 194247-000
Address:	110 Parker St., 102 S. Plant Ave., 108 Cedar Ave.
FIRM Panel Number:	Zones X and AE, Panel 251 of 801, (Map Number: 12057C0354J, effective date 10/7/2021)
Existing Zoning:	PD (Planned Development) Office business or professional, Retail
Proposed Zoning:	PD (Planned Development) Office business or professional, Retail, Residential multi-family, Hotel, Boat Slips and Hellstop. Interior Parking and a Parker Street Sky-Bridge are also proposed. Medical Office, College and School, Restaurant, and Bar may be added via the Equivalency Matrix
Future Land Use Category:	RMU -100 (Regional Mixed Use – 100)
Site Area:	252,855 square feet (5.807 acres)
Allowable FAR:	7.0* *Based on the companion Developer Agreement which utilizes the CBD Peripheral Bonus provisions of City of Tampa code.
Proposed Development*:	1,770,000 gross floor area (gfa) maximum; FAR = 6.997 Alternative Development: same *Maximum floor area based adoption to calculate Residential square footage by use of an FAR calculation as opposed to units per acre.
Proposed Height:	Lafayette Tower: 825 feet AMSL* Alternative Development: 575' AMSL (39 to 45 stories proposed) Lafayette Parkview: 330 feet AMSL* Alternative Development: same (27 stories proposed) Lafayette Central: 330 feet AMSL* Alternative Development: same (20 stories proposed) *subject to HCAA/FAA approval.
Permitted Uses*: (See General Note #1)	Principal*: Office: 690,000 square feet Retail: 60,000 sq ftee feet Multi-family: 375 dwelling units Hotel: 350 rooms Boat Slips: 10 slips Hellstop: 1 Parking, Principal, Interim, & Accessory: 3,905 spaces ALTERNATIVE DEVELOPMENT*: Multi-family: 1,110 dwelling units Retail: 32,670 square feet Boat slips: 10 slips Hellstop: 1 Parking, Principal, Interim, & Accessory: 2,427 spaces *Project may include alternative land uses via the Equivalency Matrix provided herein
Building Setbacks (min.):	Lafayette Tower: East (river) 25 feet min./120 max.; West (Parker St.) 5 feet min./45 feet max.; North (Kennedy Blvd.) 5 feet min./70 feet max., and South (Keller Ave.) 5 feet min./85 feet max. Lafayette Parkview: East (Park or St.) 5 feet min./20feet max.; West (Plant Ave.) 5 feet min./20 feet max.; North (Kennedy Blvd.) 5 feet min./35 feet max.; and South (Keller Ave.) 5 feet min./25 feet max. Lafayette Central: East (Hyde Park Ave.) 5 feet; West (Cedar Ave.) 0 feet; North (church) 15 feet, and South (Cleveland St.) 0 feet
Required Parking:	Use / Required Spaces Office: 2,277 spaces (3.3 spaces/1,000 sf) Retail: 240 spaces (4.0 spaces/1,000sf) Multi-family: 450 spaces (1 & 2 bedroom/1.5 spaces/300 dus) 150 spaces (3 bedroom/2.0 spaces/75 dus) 94 spaces (Guests/0.25 spaces per dus/375 dus) Hotel: 425 spaces (1.0 space/ room & 0.5 space per employee) Total Required: 3,654 spaces (including 47 Handicap-accessible spaces) Loading Berth: 18 spaces (1 space/100,000 sf) ALTERNATIVE DEVELOPMENT Use / Required Spaces Retail: 131 spaces (4.0 spaces/1,000sf) Multi-family: 15 spaces (Studio/1.0spaces/15 dus) 1,135.5 spaces (1 & 2 bedroom/1.5 spaces/757 dus) 676 spaces (3 bedroom/2.0 spaces/338 dus) 277.5 spaces (Guests/0.25 spaces per du/1,110 dus) Total Required: 2,235 spaces (including 32 Handicap-accessible spaces) Loading Berth: 15 space (1 space/100,000 sf)
Parking Provided:	Equivalency Matrix Uses / Required Spaces Medical Office: To Be Determined (6.0 spaces/1,000sf) Restaurant: To Be Determined (12.0 spaces/1,000sf)* Bar/Lounge: To Be Determined (15.0 spaces/1,000sf)* * Blended parking rate, actual number of spaces to be determined at the time of permitting. In all circumstances, the total number of provided parking spaces shall equal or exceed the number of spaces required for the development and the number of parking spaces utilized in the Bonus Provision Agreement addressed on Note 2. 3,903 spaces which includes up to 50 handicap-accessible spaces, up to 2,538 compact spaces, minimum of 3 Loading berth spaces, and 166 public parking spaces ALTERNATIVE DEVELOPMENT 2,401 spaces (excluding tandem spots) which includes up to 35 handicap accessible spaces, up to 1,578 compact spaces, a minimum of 3 Loading berths per previously approved waiver, and166 public parking spaces

EQUIVALENCY MATRIX

Column "A"				Column "B"				
Land Uses to be Traded	Amount of Office	Amount of Retail	Amount of Residential	Amount of Hotel	Amount of Restaurant	Amount of Bar	Amount of Med. Office	Amount of College & School
1,000 sf Office	n/a	352 sf	2.28 dus	1.85 rms.	112.44 sf	106.35 sf	414.43 sf	474.80 sf
1,000 sf Retail	2,843 sf	n/a	6.49 dus	5.27 rms.	66.09 sf	57.41 sf	1,178.35 sf	1,350.00 sf
1 du Residential	444 sf	154 sf	n/a	0.81 rms.	53.60 sf	46.56 sf	181.44 sf	207.87 sf
1 room Hotel	549 sf	190 sf	1.23 dus	n/a	348.12 sf	302.38 sf	223.71 sf	256.30 sf

The calculation must start in Column "A" and end in Column "B". Begin in Column "A" then proceed horizontally to the equivalent use in Column "B". As an example, the intersection of the Column "A" Office use and the Residential use in Column "B" is 2.28 dus. Therefore 350 dus of Residential will require the trade of 153,509 sf of Office. The land use Equivalency Matrix is based upon ITE Trip Generation, 9th Edition (2012) p.m. peak hour peak two-way external vehicle trips. In no case shall the total number of PM Peak Hour External Project Vehicle Trips exceed 839 vehicles.

LAFAYETTE CENTRAL PARCEL

(LABELED AS GRAND CENTRAL PARCEL ON SURVEY)

The North 36.50 feet of Lot 8 and all of Lots 9, 10, 11, and 12, Block 1, PLAN OF HYDE PARK, according to the map or plat thereof as recorded in Plat Book 1, Page 1, of the Public Records of Hillsborough County, Florida; and all of Lots 3, 4, 5, 6, and 7, Block 13, PLAN OF WASHINGTON'S SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 1, Page 4 of the Public Records of Hillsborough County, Florida.

ALL BEING MORE PARTICULARLY DESCRIBED AS:

BEGINNING at the Northeast corner of Lot 12, Block 1, PLAN OF HYDE PARK, according to the map or plat thereof as recorded in Plat Book 1, Page 1, of the Public Records of Hillsborough County, Florida; run thence S.00°54'55"W., 316.55 feet, along the East boundary of Lots 12, 11, 10, 9, and 8 of said Block 1 (West right-of-way line of HYDE PARK AVENUE) to the Southeast corner of the North 36.50 feet of Lot 8 of said Block 1; thence N.89°15'18"W., 141.67 feet, along the South boundary of said North 36.50 feet of Lot 8 (North right-of-way line of CLEVELAND STREET), to the Southwest corner of the North 36.50 feet of Lot 8 of said Block 1 (Southeast corner of Lot 7, Block 13, PLAN OF WASHINGTON'S SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 1, Page 4 of the Public Records of Hillsborough County, Florida); continue thence N.89°15'18"W., 96.11 feet along the South boundary of said Lot 7, Block 13 (North right-of-way line of CLEVELAND STREET), to the Southwest corner thereof; thence N.00°49'47"E., 330.00 feet, along the West boundary of Lots 7, 6, 5, 4, and 3 of said Block 13 (East right-of-way of CEDAR AVENUE) to the Northwest corner of Lot 3 of said Block 13; thence S.89°15' 18"E., 96.11 feet, along the North boundary of Lot 3 of said Block 13 (South boundary of Lot 2 of said Block 13), to the Northeast corner of said Lot 3 (Southeast corner of said Lot 2); thence S.00°49'47"W., 13.45 feet, along the East boundary of Lot 3 of said Block 13 (West boundary of Lot 13, Block 1 of said PLAN OF HYDE PARK), to the Northwest corner of Lot 12 (Southwest corner of Lot 13) of said Block 1; thence S.89°15'18"E., 142.14 feet, along the North boundary of Lot 12 of said Block 1 (South boundary of Lots 13 and 14 of said Block 1), to the **POINT OF BEGINNING**.

Containing 76,837 square feet, to the nearest square foot, or 1.759 acres, more or less.

Case no.: SUB22-19 / REZ17-06

Date:

Date:

Date:

LaChone Dock

City Council Chairman

City Clerk

Zoning Administrator

Digitally signed by LaChone Dock
Date: 2023.02.01 08:19:41 -05'00'

October 24, 2016
December 22, 2016
February 21, 2017
September 14, 2022
November 22, 2022
January 18, 2023
Sheet 1 of 9

Coen & Company
Planning & Transportation Services
P.O. Box 10658 Tampa, Florida 33679-0658
Phone: 813.877.7989 Fax: 813.877.7609

Lafayette Place Substantial Change Determination

101 and 102 S. Plant Avenue / 104 S. Parker Street / 108 S. Cedar Avenue

A Request to Change from PD to PD

RD RWD TAMPA, LLC

Tampa, FL

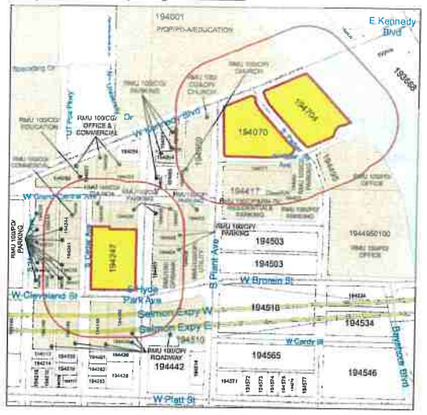
RECEIVED
SEP 08 2022
ENVIRONMENTAL DEPT

Legal Counsel:
Gardner Brewer & Hudson
Architects:
Arquitectonica
Site Civil:
Kimley Horn

30 0 30

1 inch = 30 feet

Adjacent Property Owners



Aerial & Site Location Map



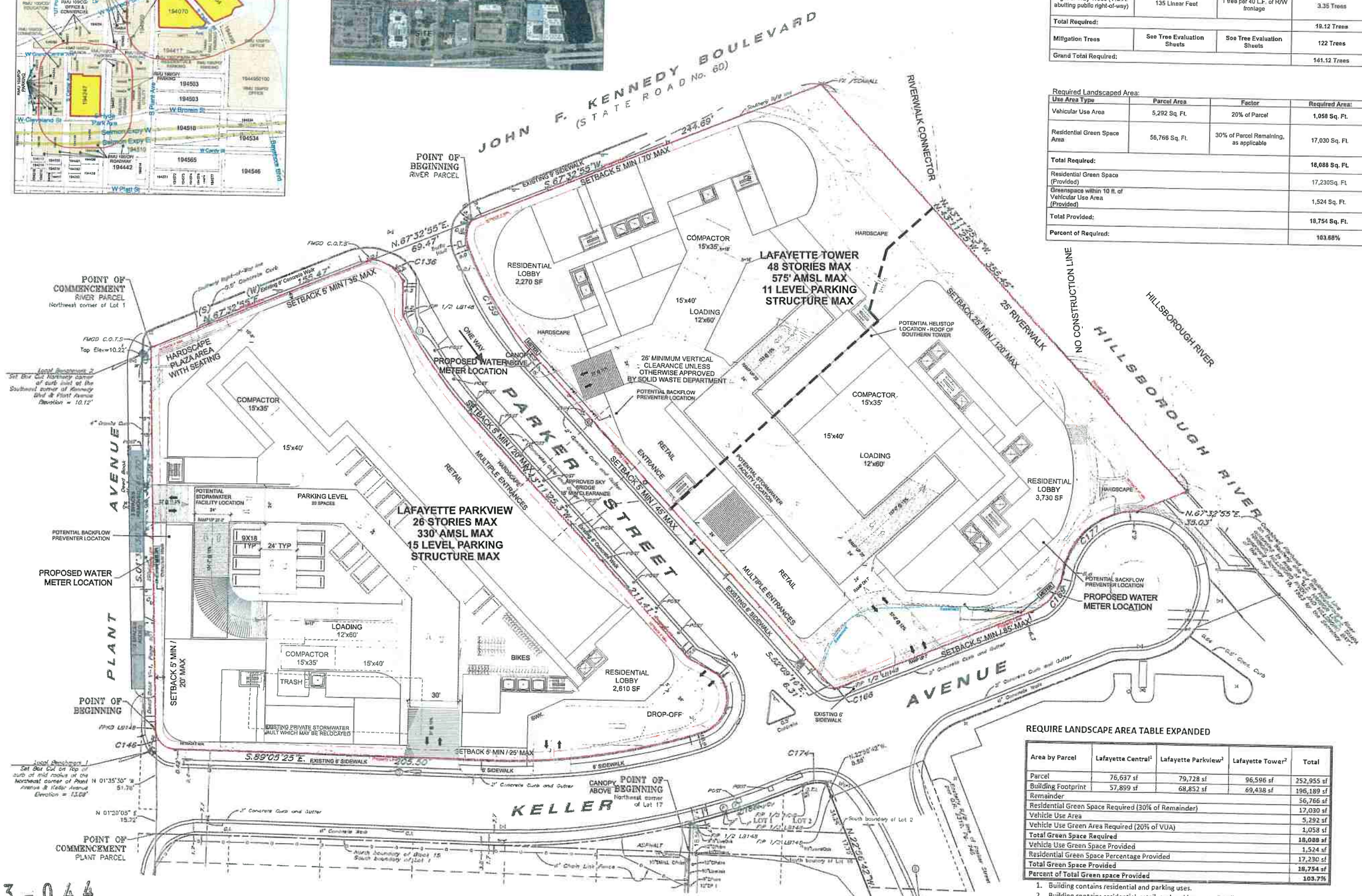
REQUIRED TR .. LANDSCAPED AREA

Required Trees:

Use Area Type	Size	Factor	Trees Required
Vehicular Use Area	5,292 Sq. Ft.	1 tree/1,500 Sq. Ft.	3.53 Trees
Loading Berth Areas	0	1 tree/5,000 Sq. Ft.	n/a
Residential Green Space Areas	18,361 Sq. Ft.	1 tree/1,500 Sq. Ft.	12.24 Trees
Right-of-Way Trees (V.U.A. abutting public right-of-way)	135 Linear Feet	1 tree per 40 L.F. of R/W frontage	3.35 Trees
Total Required:			18.12 Trees
Mitigation Trees	See Tree Evaluation Sheets	See Tree Evaluation Sheets	122 Trees
Grand Total Required:			141.12 Trees

Required Landscaped Area:

Use Area Type	Parcel Area	Factor	Required Area:
Vehicular Use Area	5,292 Sq. Ft.	20% of Parcel	1,058 Sq. Ft.
Residential Green Space Area	56,766 Sq. Ft.	30% of Parcel Remaining, as applicable	17,030 Sq. Ft.
Total Required:			18,088 Sq. Ft.
Residential Green Space (Provided)			17,230Sq. Ft
Greenspace within 10 ft. of Vehicular Use Area (Provided)			1,524 Sq. Ft.
Total Provided:			18,754 Sq. Ft.
Percent of Required:			103.68%



REQUIRE LANDSCAPE AREA TABLE EXPANDED

Area by Parcel	Lafayette Central[1]	Lafayette Parkview[2]	Lafayette Tower[2]	Total
Parcel	76,637 sf	79,728 sf	96,596 sf	252,955 sf
Building Footprint	57,899 sf	68,852 sf	69,438 sf	196,189 sf
Remainder				56,766 sf
Residential Green Space Required (30% of Remainder)				17,030 sf
Vehicle Use Area				5,292 sf
Vehicle Use Green Area Required (20% of VUA)				1,058 sf
Total Green Space Required				**18,088 sf**
Vehicle Use Green Space Provided				1,524 sf
Residential Green Space Percentage Provided				17,230 sf
Total Green Space Provided				**18,754 sf**
Percent of Total Green space Provided				**103.7%**

1. Building contains residential and parking uses.
2. Building contains residential, retail, and parking uses. Retail use occupies a total of 32,670 of first floor space in the two buildings.
3. The VUA and VUAG square footages were updated to reflect changes in the access driveways.

23-044

Coen & Company
Planning & Transportation Services
P.O. Box 10658 Tampa, Florida 33679-0658
Phone: 813.877.7989 Fax: 813.877.7609

Lafayette Place Substantial Change Determination

101 and 102 S. Parker Street / 104 S. Plant Avenue / 108 S. Cedar Avenue

A Request to Change from PD to PD

RD RWD TAMPA, LLC

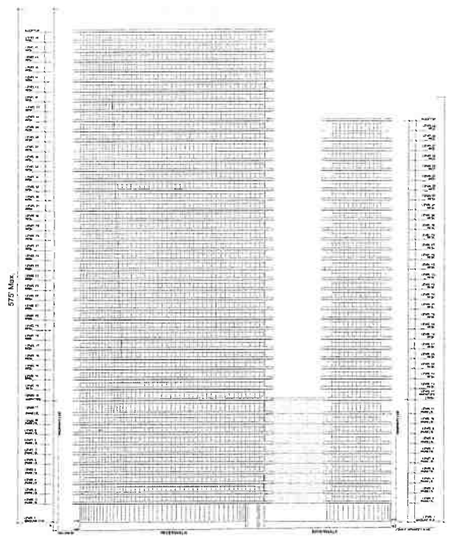
Tampa, FL

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

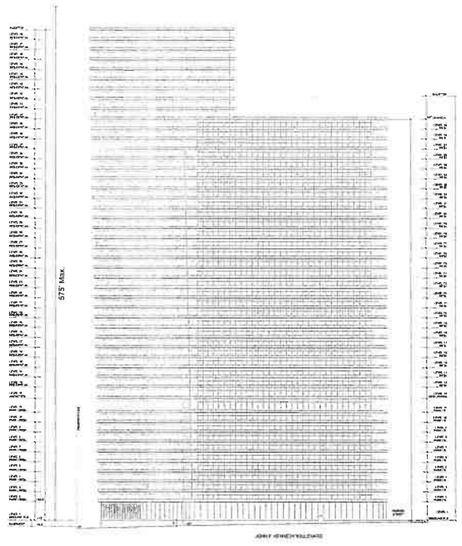
Legal Counsel:
Gardner Brewer & Hudson
Architects:
Arquitectonica
Site Civil:
Kimley Horn

30 0 30
1 inch = 30 feet

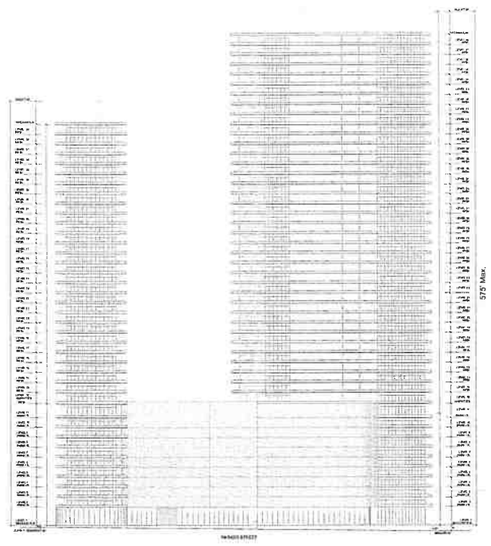
October 24, 2016
December 22, 2016
February 21, 2017
September 14, 2022
November 22, 2022
January 18, 2023
Sheet 2 of 9



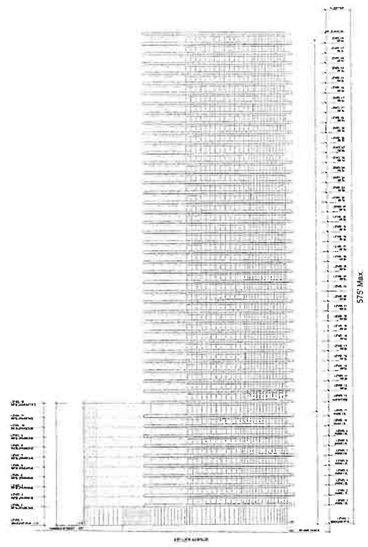
Lafayette Tower - East Elevation
(Previously Approved Height 625'/ Proposed Height: 575')



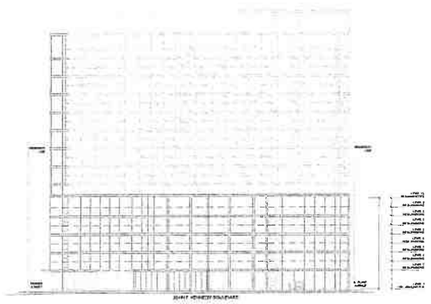
Lafayette Tower - North Elevation
(Previously Approved Height 625'/ Proposed Height: 575')



Lafayette Tower - West Elevation
(Previously Approved Height 625'/ Proposed Height: 575')



Lafayette Tower - South Elevation
(Previously Approved Height 625'/ Proposed Height: 575')



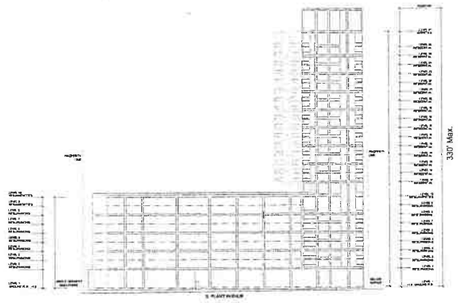
Lafayette Parkview - North Elevation
(Previously Approved & Proposed Height: 330')



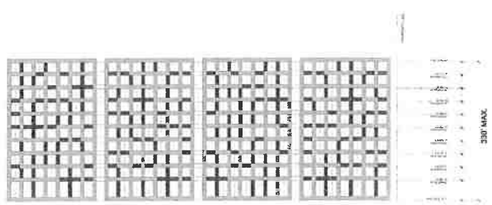
Lafayette Parkview - East Elevation
(Previously Approved & Proposed Height: 330')



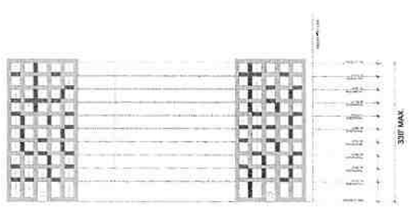
Lafayette Parkview - South Elevation
(Previously Approved & Proposed Height: 330')



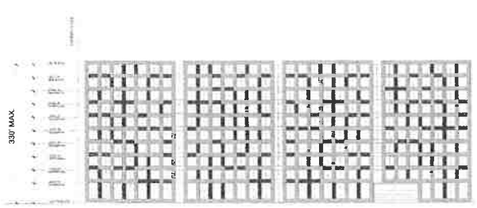
Lafayette Parkview - West Elevation
(Previously Approved & Proposed Height: 330')



Lafayette Central - West Elevation
(Previously Approved & Proposed Height: 330')



Lafayette Central - South Elevation
(Previously Approved & Proposed Height: 330')



Lafayette Central - East Elevation
(Previously Approved & Proposed Height: 330')



Lafayette Central - North Elevation
(Previously Approved & Proposed Height: 330')

23-044

Coen & Company
Planning & Transportation Services
P.O. Box 10658 Tampa, Florida 33679-0658
Phone: 813.877.7989 Fax: 813.877.7609

Lafayette Place Rezoning - Elevations

101 and 102 S. Parker Street / 104 S. Plant Avenue / 108 S. Cedar Avenue

A Request to Change from PD to PD

RD RWD TAMPA, LLC

Tampa, FL

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

119

Legal Counsel:
Gardner Brewer & Hudson
Architects:
Arquitectonica
Site Civil:
Kimley Horn

October 24, 2016
December 22, 2016
September 14, 2022

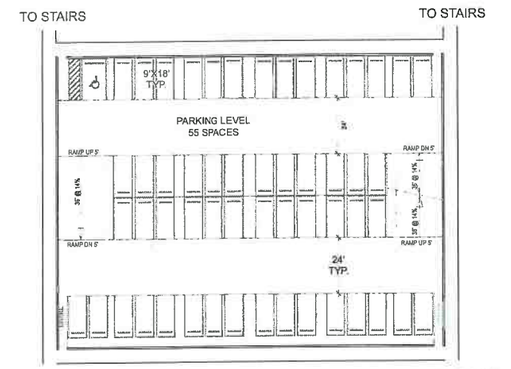


LEVEL 2

0 30 60

SCALE: 1" = 40'

N

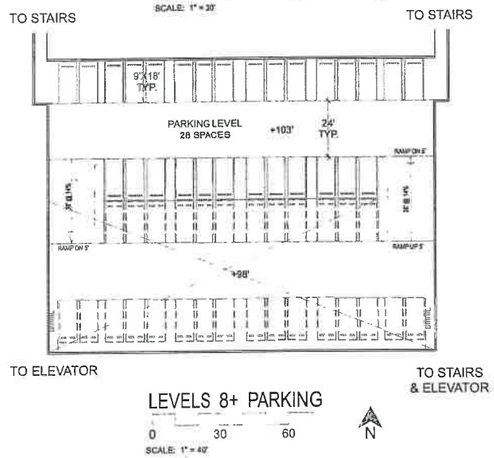


LEVELS 3/4 - 6/7

0 30 60

SCALE: 1" = 30'

N

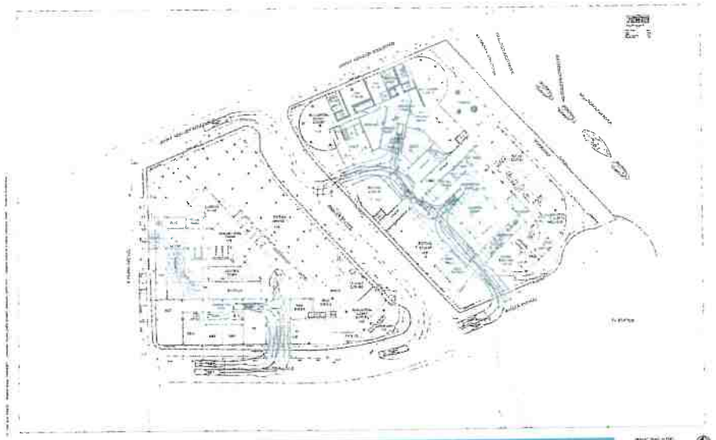


LEVELS 8+ PARKING

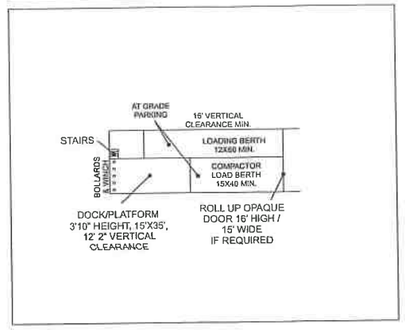
0 30 60

SCALE: 1" = 40'

N



Solid Waste Detail

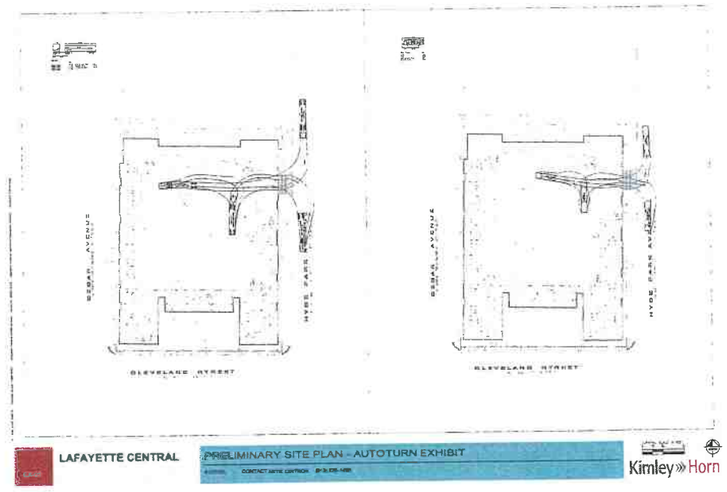


1. Require Hydraulic winch in conformance with the National Electric Code. Three (3) phase power is required on all installations, connected to the power unit. Location to be determined at the time of construction. Developer must purchase winch.

2. Edge of dock must have a 3"x3"x0.25" steel angle iron required to cover the edge/corner of concrete so that edge of dock/concrete is not chipped by loading.

3. Compactor voltage and power requirements: 208 volts; 3 Phase. Solid Waste Department will install an iron channel "H" frame or "A" frame on asphalt and concrete to guide compactor to resting position and locks to secure compactor.

4. Coordination with the Solid Waste Department is necessary to determine the electrical supply and power unit provisions.



Coen & Company
Planning & Transportation Services
P.O. Box 10658 Tampa, Florida 33679-0658
Phone: 813.877.7989 Fax: 813.877.7609

Lafayette Central - Parking Levels & Autoturn

101 and 102 S. Parker Street / 104 S. Plant Avenue / 108 S. Cedar Avenue

A Request to Change from PD to PD

RD RWD TAMPA, LLC

Tampa, FL

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

120

Legal Counsel:
Gardner Brewer & Hudson
Architects:
Arquitectonica
Site Civil:
Kimley Horn

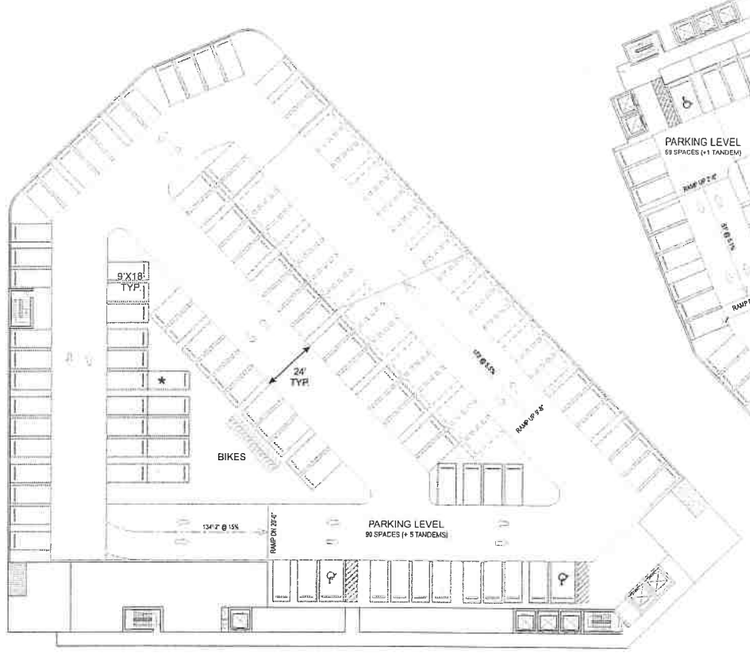
30 0 30

1 inch = 30 feet

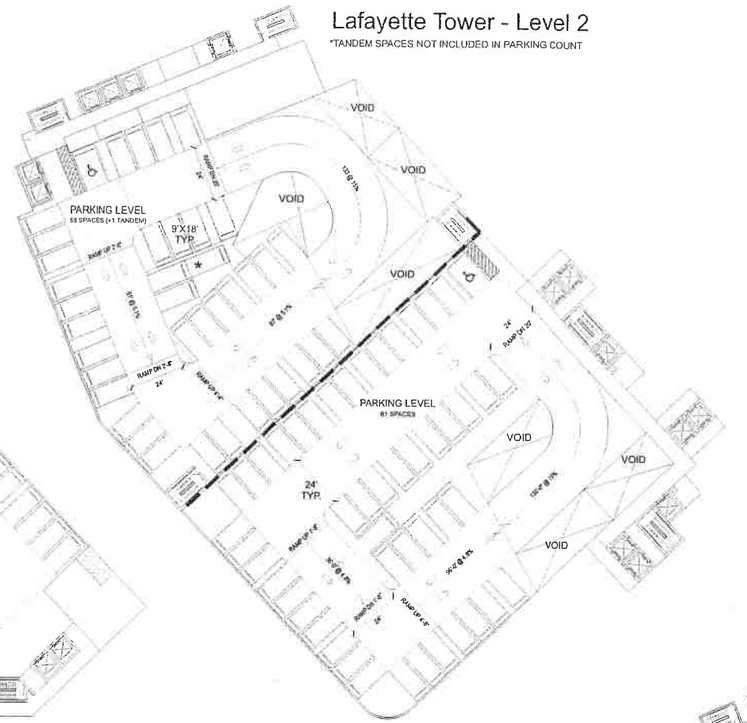
October 24, 2016
December 22, 2016
September 14, 2022
November 22, 2022
January 18, 2023

Sheet 4 of 9

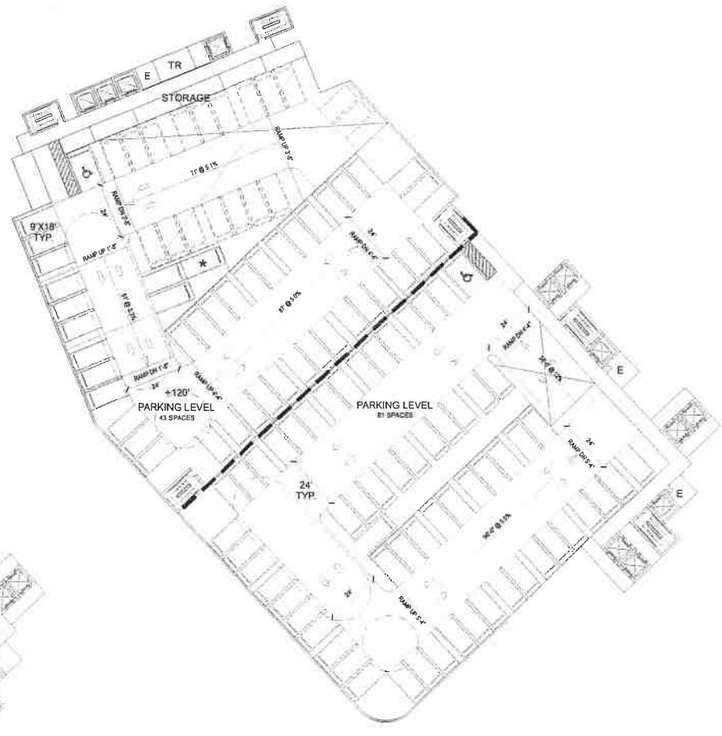
23-044



Lafayette Parkview - Level 2
*TANDEM SPACES NOT INCLUDED IN PARKING COUNT



Lafayette Tower - Level 2
*TANDEM SPACES NOT INCLUDED IN PARKING COUNT



Lafayette Tower - Level 11
*TANDEM SPACES NOT INCLUDED IN PARKING COUNT



Lafayette Parkview - Levels 3-11
*TANDEM SPACES NOT INCLUDED IN PARKING COUNT



Lafayette Tower - Levels 3-10
*TANDEM SPACES NOT INCLUDED IN PARKING COUNT

Equivalency Matrix Utilization

Lafayette Place

REZ 17-06 Land Uses	SUB 22-19 Land Uses *	Available Land Uses **
Office: 690,000 sf	n/a	367,632 sf
Retail: 60,000 sf	32,670 sf	27,330 sf
Multi-Family: 375 dus	1,100 dus	n/a
Boat Slips: 10 slips	10 slips	0 slips
Helistop: 1 stop	1 stop	0 stop

*Equivalency exchange based on the Equivalency Matrix approved via REZ 17-06.

**Unassigned land use entitlements may be added to the SUB 22-19 pursuant to zoning conditions and all applicable City of Tampa Code Requirements.

Development Distribution by Parcel SUB 22-19*

Lafayette Place

Land Use/Total	Lafayette Central	Lafayette Parkview	Lafayette Tower
Building: 1,770,000 sf	278,193 sf	464,617 sf	1,027190 sf
Office: 367,632 sf	n/a	n/a	n/a
Retail: 60,000 sf	n/a	21,854 sf	10,816 sf
Multi-Family: 1,100 dus	198 dus	362 dus	550 dus
Boat Slips: 10 slips	n/a	n/a	10 slips
Helistop: 1 stop	n/a	n/a	1 stop
Parking: 2,427 spaces	389 spaces	949 spaces	1,089 spaces

*Location and size of uses subject to change/relocation pursuant to zoning conditions and all applicable City of Tampa Code Requirements.

Coen & Company
Planning & Transportation Services
P.O. Box 10658 Tampa, Florida 33679-0658
Phone: 813.877.7989 Fax: 813.877.7609

Lafayette Parkview & Tower - Parking Levels & Entitlement Utilization

101 and 102 S. Parker Street / 104 S. Plant Avenue / 108 S. Cedar Avenue

A Request to Change from PD to PD

RD RWD TAMPA, LLC

Tampa, FL

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

Legal Counsel:
Gardner Brewer & Hudson
Architects:
Arquitectonica
Site Civil:
Kimley Horn

NORTH

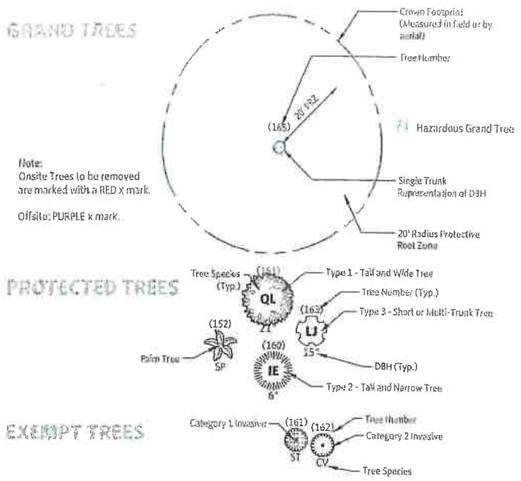
30 0 30

1 inch = 30 feet

October 24, 2016
December 22, 2016
September 14, 2022
November 22, 2022
Sheet 5 of 9

23-044

TREE INVENTORY LEGEND



DATE OF ASSESSMENT: January 28th, 2022.

INVENTORY ASSIGNMENT NOTES

The objectives of the assignment were limited to the following components:

1. to conduct a tree inventory to identify all the on-site trees,
2. to identify any grand trees as defined by City of Tampa LDC Sec. 27-43, Definitions,
3. to rectify any tree identification errors shown on the survey, if applicable,
4. to establish natural resource permitting requirements associated with the inventory.

A field investigation was conducted on the date of assessment. Each investigation was limited to the visual inspection of the on-site trees, their surrounding context, and a review of a tree survey prepared by a third-party surveyor. An arborist trainee assisted me in collecting tree dimensional data.

Tree survey data was imported to a data collection field tablet. The tablet was used to collect observations and photographs as needed. No physical notes were taken. If individual trees not captured on the survey were found, they were added to the digital record by generally located each tree using a Dual XGPS160 SkyPro GPS unit combined with aerial photograph interpretation.

Upon arrival to the site, I employed the following field review techniques to gather data:

- Trunk diameter at breast height (dbh) or 54 inches above the ground, taken with a diameter tape. For trees with more than one trunk (stem) originating at or near ground level (less than 36" high), the dbh of each stem was measured at 54" and the cross-sectional area of each stem was summed to derive a equivalent single trunk representative dbh.
- Photographs, taken with a field tablet or a Canon EOS 6D Mark II camera.

When advanced assessment was applicable, the following simple tools and review techniques were used:

- Crown spread measurement, taken with a mechanical wheel from the centroid of the trunk. When ground conditions or thick vegetation precluded use of the wheel, a tape measure or recent aerial photograph was used to measure spread.
- Height to base of limb, taken with a 35-foot Tel-O-Pole II measuring stick, when applicable.
- Tree height, taken with a laser hypsometer using three averaged points from one position. When the crown restricted measurement, an average height of 45 was used for tree point calculations.
- Approximation of extent of decay by sounding, listening for tones that may indicate certain conditions, taken with a soft-face mallet.
- Approximation of extent of decay by probing, taken with a 48" steel soil probe.

When overgrowth or obstructions restricted the collection of measurements, the applicable data element was omitted or approximated. No soil, water, or tissue tests were conducted unless otherwise noted. Assessments were a one-sided ground-based and generally followed ANSI A300 (Part 9)-2017 guidance. However, this assessment is not intended to be used as a tree risk assessment except as described in the City of Tampa Land Development Code Section 27-284.1.1 ("Matheny and Clark" hazard rating format for Grand Trees only). Within this permitting context, the time frame for the assessment was two years.

When typically single-trunked trees are fused at or near the ground, a pith test is performed to determine whether the tree grouping is separate trees or a single tree. The pith test is based on a technique discussed in the American Forests Champion Trees Measuring Guidelines Handbook (2019).

To tailor the inventory to jurisdictional requirements, data elements collected varied by tree classification:

- Grand Trees: species, dbh, condition rating, crown spread, and "Risk Evaluation" as described in the City of Tampa Land Development Code Section 27-284.1.1 (foreseeable targets may not be known at the time of assessment)
  - ** *Level 2: Basic Tree Risk Assessments were not performed unless specifically noted.*
- Protected and specimen trees (not palms): species, dbh, condition rating, and Level 1: Limited Visual Tree Risk Assessment (foreseeable targets may not be known at the time of assessment).
- Palms: species and overall condition rating.
- Invasive trees: species only.

ASSUMPTIONS AND LIMITING CONDITIONS

1. Any legal description provided to the consultant is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as though free and clear, under responsible ownership and competent management.
2. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
3. Unless expressed otherwise: (1) information contained in this inventory covers only those items that were examined and reflects the condition of those items at the time of inspection; and (2) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.
4. Not all defects or conditions that predispose a tree or tree part to failure are detectable, nor are all failures predictable.
5. This inventory is not intended to establish a risk rating for every inventoried tree or tree part, evaluate risk mitigation options or recommendations, provide recommendations for additional assessments, determine residual risk following mitigation, or provide recommendations for monitoring or follow-up.

INVENTORY METRICS

GRAND TREES REMOVED?	RETENTION % REQUIRED	FAIR OR BETTER % PRESERVED
YES	50% (Min. Zone, Non-Hazard)	6% (4) TREES

TOTAL ONSITE TREES	ONSITE JURISDICTIONAL TREES	MITIGATION TREES REQUIRED
77	74	122 (21 TREES/ACRE)

JURISDICTIONAL TREES BY CR	FAIR OR BETTER (A-B-C) TREES	POOR OR WORSE (D-F) TREES
TYPE 1, 2, & 3 TREES	20	2
PALMS	52	0
SUBTOTAL	72	2

A-B-C TREES BY SIZE CLASS	PRESERVED OR RELOCATED	REMOVED
NON-HAZARDOUS GRANDS	0	0
HAZARDOUS GRAND TREES	0	2
PROTECTED & SPECIMEN	4	66
SUBTOTAL	4	68

OFFSITE A-B-C- TREES REMOVED	MOST PREVALENT ONSITE SPECIES (% OF POPULATION)
10	71% *Sabal palmetto (52)*
	21% *Quercus virginiana (15)*
	8% *Quercus laurifolia (6)*

CONDITION RATING COLOR KEY

Color representations of Condition Rating are provided as a visual aid. Preservation or removal suggestions are: 1) not recommendations, 2) apply only to onsite trees, and 3) are based on an opinion of preservation suitability near development. Circles are colored by the following convention:

- Dark Green: Excellent (suitable for preservation)
- Light Green: Good (suitable for preservation)
- White: Fair (somewhat suitable for preservation)
- Light Tan: Poor (removal may be warranted unless the consequence of failure is "negligible" or "minor")
- Brown: Very Poor (removal is likely warranted unless the consequence of failure is "negligible")
- Lavender: Category 1 Invasive (removal is usually required per AHJ) or Category 2 Invasive (consider removing)

For grand tree mitigation, the condition ratings are converted to percentages based on the TABLE 284.4.1-A: TREE RETENTION-MITIGATION EQUIVALENCY TABLES BY TREE TYPE, Footnote 3.

CERTIFICATION OF PERFORMANCE

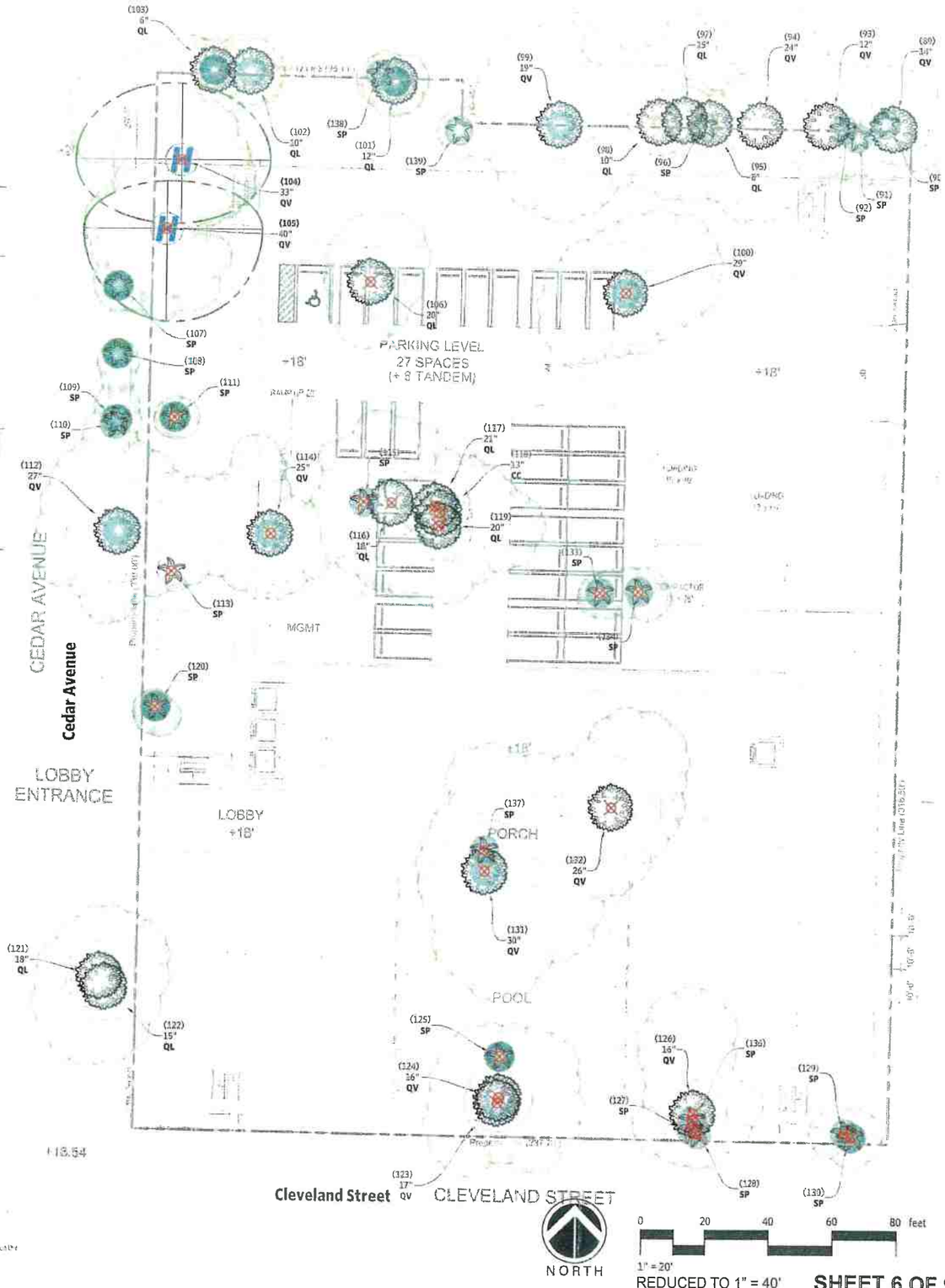
I, Richard Peterka, certify that:

- I have personally inspected the trees and the property referred to in this inventory and have stated my findings accurately. The extent of the inventory is stated in the Inventory Assignment Notes.
- I have no current or prospective interest in the vegetation or the property that is the subject of this inventory and have no personal interest or bias with respect to the parties involved.
- The analysis, opinions, and conclusions stated herein are my own and are based on current scientific procedures and facts.
- My analysis, opinions, and conclusions were developed and this inventory has been prepared according to commonly accepted arboricultural practices.
- No one provided significant professional assistance to me, except as indicated within the assignment.
- My compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

I further certify that I am a member in good standing of the American Society of Consulting Arborists and the International Society of Arboriculture. I am licensed by the Florida Department of Business and Professional Regulation as a Landscape Architect. I have been involved in the fields of Landscape Architecture and Arboriculture in a full-time capacity since 2009.

September 04, 2022

This document has been digitally signed and sealed by Mr. RICHARD E. PETERKA
Printed copies of this document are not considered signed and sealed. The signature must be verified on any electronic documents.
Dark Areas LLC, 2616 S 104th Ave Tampa, Florida 33619
Richard Peterka, ASLA, ISA-CM, ISA-TRAQ #FL-6641



dark moss

RECEIVED
SEP 06 2022
ENVIRONMENTAL DEPT

PROJECT: HRRC
LOCATION: TAMPA, FLORIDA

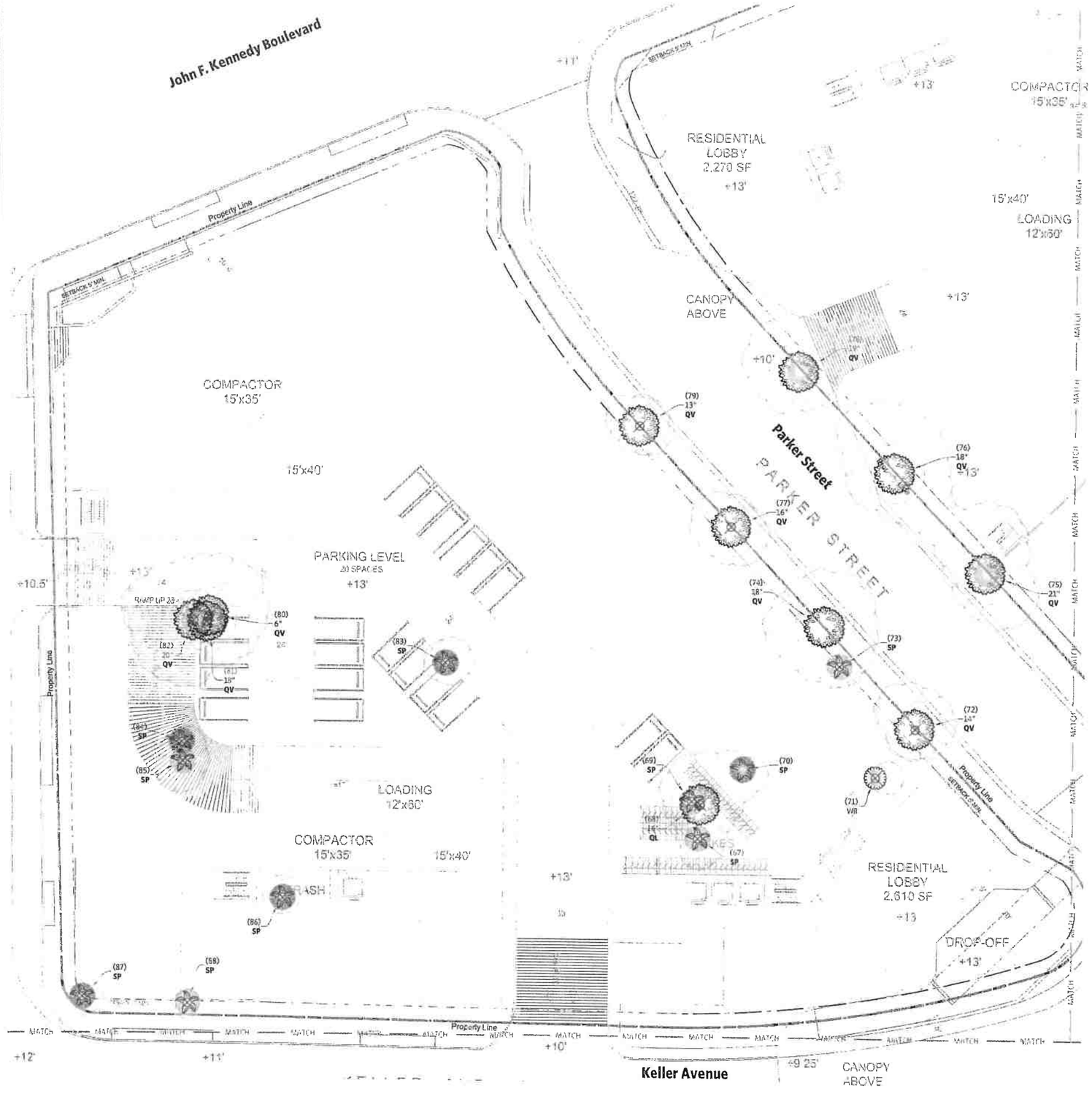
PREPARED FOR: THE RELATED GROUP

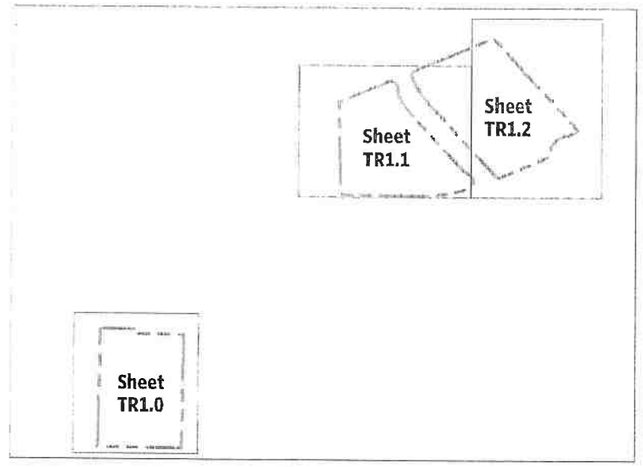
ISSUE DATE: 2022-09-06
PHASE: PERMIT ONLY

SHEET TITLE: **TREE INVENTORY AND DISPOSITION PLAN**

REVISION:

SHEET NUMBER: **TR1.0**





KEY PLAN

RECEIVED
SEP 06 2023
ENVIRONMENTAL DEPT

NORTH

0 20 40 60 80 feet
1" = 20'
REDUCED TO 1" = 40'

SHEET 7 OF 9

dark moss

PROJECT: HRRC
LOCATION: TAMPA, FLORIDA

PREPARED FOR: THE RELATED GROUP

ISSUE DATE: 2023-09-01

PHASE: PERMIT ONLY

SHEET TITLE: **TREE INVENTORY AND DISPOSITION PLAN (2)**

REVISION:

SHEET NUMBER: **TR1.1**

dark moss

PROJECT:
HRRC
LOCATION:
TAMPA, FLORIDA

PREPARED FOR:
THE RELATED GROUP

ISSUE DATE: 2022-09-14
PHASE:
PERMIT ONLY

SHEET TITLE:
TREE INVENTORY AND DISPOSITION PLAN (3)

REVISION:

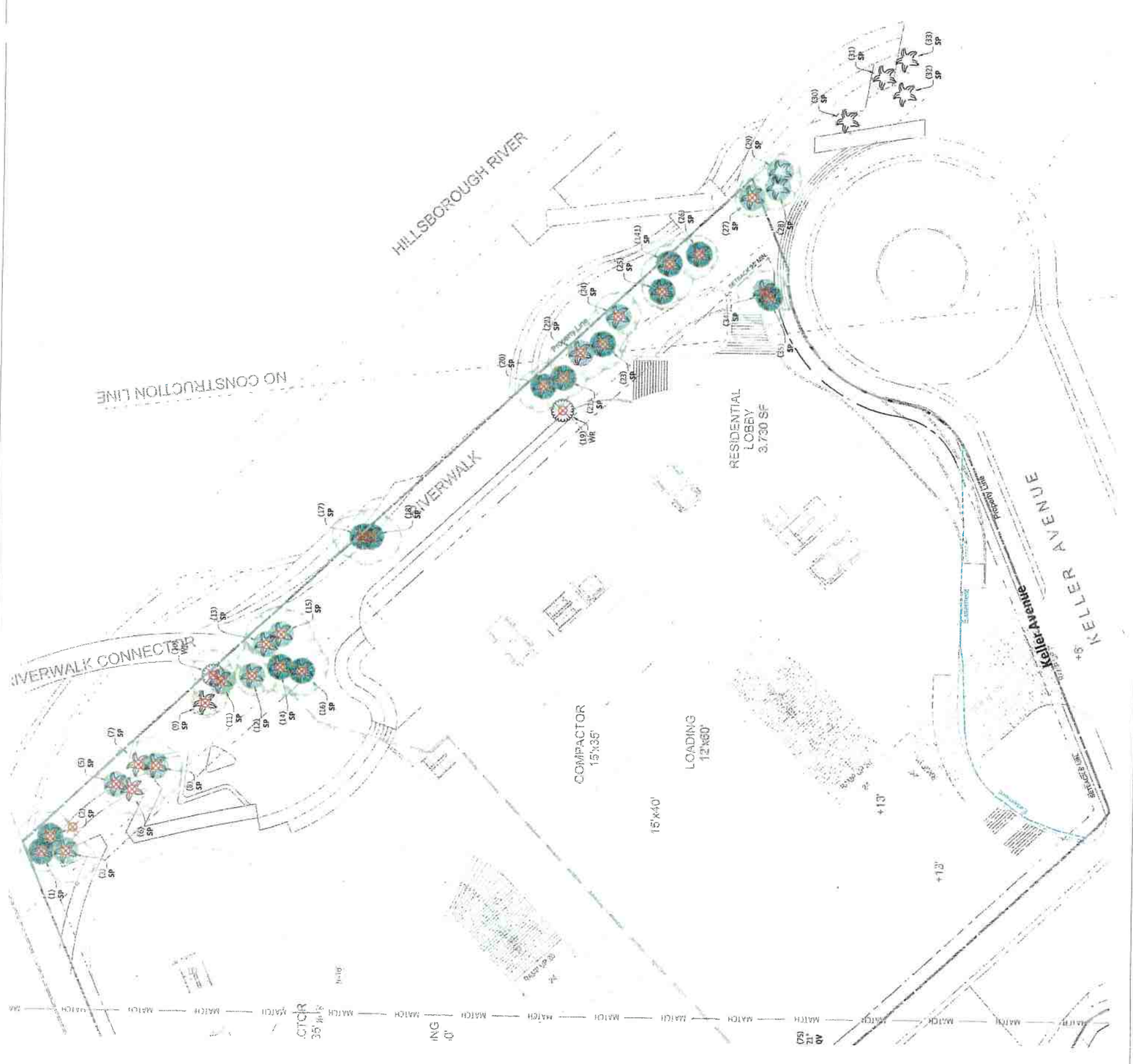
SHEET NUMBER:
TR1.2

RECEIVED
SEP 6 8 2023
ENVIRONMENTAL DEPT

0 20 40 60 80 feet
1" = 20'
REDUCED TO 1" = 40'

SHEET 8 OF 9

NORTH



TREE DISPOSITION SUMMARY TABLE

Num	Spec	Botanical Name	Common Name	Is Grand?	CR-HAZ	Permit DBH	H-S-F=	CR	Disposition
68	QL	*Quercus laurifolia*	Laurel Oak			16	(B-C-C)	C	[--REMOVED--]
72	QV	*Quercus virginiana*	Southern Live Oak			14	(C-B-B)	C	[--REMOVED--]
74	QV	*Quercus virginiana*	Southern Live Oak			18	(B-C-B)	C	ROW Removed
75	QV	*Quercus virginiana*	Southern Live Oak			21	(B-C-B)	B	ROW Removed
76	QV	*Quercus virginiana*	Southern Live Oak			18	(C-B-C)	C	ROW Removed
77	QV	*Quercus virginiana*	Southern Live Oak			16	(C-C-C)	C	[--REMOVED--]
78	QV	*Quercus virginiana*	Southern Live Oak			19	(B-B-B)	B	ROW Removed
79	QV	*Quercus virginiana*	Southern Live Oak			13	(C-B-C)	C	[--REMOVED--]
80	QV	*Quercus virginiana*	Southern Live Oak			6	(C-D-F)	D	[--REMOVED--]
81	QV	*Quercus virginiana*	Southern Live Oak			18	(C-C-C)	C	[--REMOVED--]
82	QV	*Quercus virginiana*	Southern Live Oak			20	(B-B-C)	B	[--REMOVED--]
89	QV	*Quercus virginiana*	Southern Live Oak			14	(B-C-C)	C	Offsite
93	QV	*Quercus virginiana*	Southern Live Oak			12	(B-C-D)	C	Offsite
94	QV	*Quercus virginiana*	Southern Live Oak			24	(C-C-B)	C	Offsite
95	QL	*Quercus laurifolia*	Laurel Oak			8	(C-C-D)	C	Offsite
97	QL	*Quercus laurifolia*	Laurel Oak			15	(C-C-C)	C	Offsite
98	QL	*Quercus laurifolia*	Laurel Oak			10	(D-C-D)	D	Offsite
99	QV	*Quercus virginiana*	Southern Live Oak			19	(B-B-B)	B	Offsite
100	QV	*Quercus virginiana*	Southern Live Oak			29	(B-B-C)	B	[--REMOVED--]
101	QL	*Quercus laurifolia*	Laurel Oak			12	(A-A-A)	A	Preserved
102	QL	*Quercus laurifolia*	Laurel Oak			10	(A-B-A)	B	Offsite
103	QL	*Quercus laurifolia*	Laurel Oak			6	(A-A-B)	A	Offsite
104	QV	*Quercus virginiana*	Southern Live Oak	**Grand**	C-9	33	(B-C-B)	C	[--REMOVED--]
105	QV	*Quercus virginiana*	Southern Live Oak	**Grand**	C-9	40	(C-C-C)	C	[--REMOVED--]
106	QL	*Quercus laurifolia*	Laurel Oak			20	(C-B-B)	C	[--REMOVED--]
112	QV	*Quercus virginiana*	Southern Live Oak			27	(B-B-B)	B	Offsite
114	QV	*Quercus virginiana*	Southern Live Oak			25	(B-C-B)	B	[--REMOVED--]
116	QL	*Quercus laurifolia*	Laurel Oak			18	(C-C-D)	C	[--REMOVED--]
117	QL	*Quercus laurifolia*	Laurel Oak			21	(C-C-C)	C	[--REMOVED--]
118	CC	*Cinnamomum camphora*	Camphor			13	(B-C-D)	D	[--REMOVED--]
119	QL	*Quercus laurifolia*	Laurel Oak			20	(C-C-C)	C	[--REMOVED--]
121	QL	*Quercus laurifolia*	Laurel Oak			18	(C-C-B)	C	Offsite
122	QL	*Quercus laurifolia*	Laurel Oak			15	(C-C-C)	C	Offsite
123	QV	*Quercus virginiana*	Southern Live Oak			17	(B-B-B)	B	[--REMOVED--]
124	QV	*Quercus virginiana*	Southern Live Oak			18	(B-B-C)	C	[--REMOVED--]
126	QV	*Quercus virginiana*	Southern Live Oak			16	(B-C-C)	C	[--REMOVED--]
131	QV	*Quercus virginiana*	Southern Live Oak			30	(B-B-B)	B	[--REMOVED--]
132	QV	*Quercus virginiana*	Southern Live Oak			26	(C-C-B)	C	[--REMOVED--]
1	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
2	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
3	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
5	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
6	SP	*Sabal palmetto*	Cabbage Palm				(--)	C	[--REMOVED--]
7	SP	*Sabal palmetto*	Cabbage Palm				(--)	C	[--REMOVED--]
8	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
9	SP	*Sabal palmetto*	Cabbage Palm				(--)	C	[--REMOVED--]
11	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
12	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
13	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
14	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
15	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
16	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
17	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
18	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
20	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
21	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
22	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
23	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
24	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
25	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
26	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
27	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
28	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	ROW Removed
29	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	ROW Removed
30	SP	*Sabal palmetto*	Cabbage Palm				(--)	C	ROW Removed
31	SP	*Sabal palmetto*	Cabbage Palm				(--)	C	ROW Removed
32	SP	*Sabal palmetto*	Cabbage Palm				(--)	C	ROW Removed
33	SP	*Sabal palmetto*	Cabbage Palm				(--)	C	ROW Removed
34	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
35	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
67	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
69	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
70	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	Preserved
73	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
83	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
84	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
85	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
86	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
87	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
88	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
90	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	Offsite
91	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	Preserved
92	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	Offsite
96	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	Offsite
107	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	Offsite
108	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	Offsite
109	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	Offsite
110	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	Offsite
111	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
113	SP	*Sabal palmetto*	Cabbage Palm				(--)	C	[--REMOVED--]
115	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
120	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
125	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
127	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
128	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
129	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
130	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
133	SP	*Sabal palmetto*	Cabbage Palm				(--)	A	[--REMOVED--]
134	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
136	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
137	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
138	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	[--REMOVED--]
139	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	Offsite
14_	SP	*Sabal palmetto*	Cabbage Palm				(--)	B	Preserved
10	WR	*Washingtonia robusta*	Washington Palm				(--)	A	[--REMOVED--]
29	WR	*Washingtonia robusta*	Washington Palm				(--)	Y	[--REMOVED--]
71	WR	*Washingtonia robusta*	Washington Palm				(--)	Y	[--REMOVED--]
4	XX	*(n/a)*	Excluded or Reserved				(--)	Y	[--REMOVED--]
135	XX	*(n/a)*	Excluded or Reserved				(--)		[--REMOVED--]

RATING NOTES:

1. **DBH and Permit DBH:**
   The species or structure of a tree can be incompatible with a municipal or jurisdictional ordinance. DBH is the arborist's field adjusted dbh determination, based on DBH measurement guidelines provided in the Guide for Plant Appraisal, 10th Edition (2018). Permit DBH is a translation of the field adjusted dbh to a value relevant to applicable permitting requirements. Typically, multi-stem trees are resolved into single-stem equivalents using trunk formula method. The Permit DBH for small multi-stem species may be visually estimated.

2. **H-S-F = CR**
   "Health, Structure, and Form" to Condition Rating:
   A composite, weighted assessment of health, structure, and form. Adapted from the Guide for Plant Appraisal, 10th Edition, second printing (2019)("10th Edition"). Values range from: A-Excellent, B-Good, C-Fair, D-Poor, F-Very Poor or Dead.
   2.1. "Y" is used when no value is applicable.

3. **Excluded or Reserved**
   Tree survey data quality and utility can vary widely between different surveyors. The initial inventory data involves data transformation to isolate tree data and prepare it for field data collector import. Occasionally extra data points are imported. During the assessment, these points are field verified and either assessed or excluded. The excluded values are preserved in the table to provide consecutive numbering. Reasons to exclude a data point include:
   3.1. another type of survey point, such as a ground shot or irrigation valve;
   3.2. a surveyed tree that did not exist at the time of assessment;
   3.3. a tree part, such as a canopy extent measurement;
   3.4. a tree that is not recognized or protected in the jurisdiction due to size;
   3.5. or by the arborist's professional opinion.

4. **Disposition**
   Tree disposition is the decision to retain or remove the tree based on a the arborist's evaluation of the cumulative impact of the proposed construction activity. This decision is based on the tree protection provided, general knowledge of the species, information on the tree's age and condition, and other relevant factors that may be applicable.

PROTECTED TREES

Type 1: Tall & Wide

Trees Retained	# of Trees	Multiplier	Credits
5" to 10"	0	1	0
11" to 20"	1	7	7
21" to 25"	0	4	0
26" to <32"	0	12	0
Subtotal	1		-7

Trees Removed	# of Trees	Multiplier	Debits
5" to 10"	1	1	1
11" to 20"	16	7	37
21" to 25"	3	3	9
26" to <32"	3	4	12
Subtotal	23		64

-7.00 + 64.00 = 70.00

Total Mitigation Trees Required: **TYPE 1 = 70**

Type 2: Tall & Narrow

Trees Retained	# of Trees	Multiplier	Credits
5" to 17"	0	1	0
18" to 29"	0	2	0
30" to <32"	0	3	0
Subtotal	0		0

Trees Removed	# of Trees	Multiplier	Debits
5" to 17"	0	1	0
18" to 29"	0	2	0
30" to <32"	0	3	0
Subtotal	0		0

0.00 + 0.00 = 0.00

Total Mitigation Trees Required: **TYPE 2 = 0**

Type 3: Short & Wide/Multi-Stem

Trees Retained	# of Trees	Multiplier	Credits
5" to 7"	0	1	0
8" to 17"	0	2	0
18" to 29"	0	3	0
30" to <32"	0	12	0
Subtotal	0		0

Trees Removed	# of Trees	Multiplier	Debits
5" to 7"	0	1	0
8" to 17"	0	2	0
18" to 29"	0	3	0
30" to <32"	0	12	0
Subtotal	0		0

0.00 + 0.00 = 0.00

Total Mitigation Trees Required: **TYPE 3 = 0**

Palms

Trees Retained	# of Trees	Multiplier	Credits
Palms with 6' CT Any dbh	3	1	3
Subtotal	3		-3

Trees Removed	# of Trees	Multiplier	Debits
Palms with 6' CT Any dbh	55	1	55
Subtotal	55		55

-3.00 + 55.00 = 52.00

Total Mitigation Trees Required: **PALMS = 52**

* Credits or Debits = "Equivalent 8 or 12.5" Cal Trees Required

GRAND TREES

Trees Retained	# of Trees	Credits*
Grand Trees	0	
		0.00

Trees Removed	# of Trees	Debits*
Grand Trees	2	
		18.00

Total Mitigation Trees Required: **TYPE 1 = 70**

Trees Retained	# of Trees	Credits*
Grand Trees	0	
		0.00

Trees Removed	# of Trees	Debits*
Grand Trees	0	
		0.00

Total Mitigation Trees Required: **TYPE 2 = 0**

Trees Retained	# of Trees	Credits*
Grand Trees	0	
		0

Trees Removed	# of Trees	Debits*
Grand Trees	0	
		0

Total Mitigation Trees Required: **TYPE 3 = 0**

GRAND TREE SUMMARY TABLE:

Num	Disposition	Symbol	Botanical Name	DBH	Hazard	CR-HAZ	N-S	E-W	CS	CF	SR	Dimunition	RCF	Credits	Debits
104	[--REMOVED--]	QV	Quercus virginiana	33	hazard	C-9	44	61	52.5	2164.8	0.9	0.8	1461.2	0.0	9.4
105	[--REMOVED--]	QV	Quercus virginiana	40	hazard	C-9	44	56	50.0	1963.5	0.9	0.8	1325.4	0.0	8.6

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

dark moss
LANDSCAPE ARCHITECTURE
3031 PALM Tampa, Florida 33609
813-430-7645 info@darkmoss.com

PROJECT: HRRC
LOCATION: TAMPA, FLORIDA

PREPARED FOR: THE RELATED GROUP

ISSUE DATE: 2023-09-08

PHASE: PERMIT ONLY

SHEET TITLE: **TREE TABLES**

REVISION:

SHEET NUMBER: **TR1.3**

23-044

EXHIBIT 7

BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY BY GEOPOINT SURVEYING, INC.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

VICINITY MAP

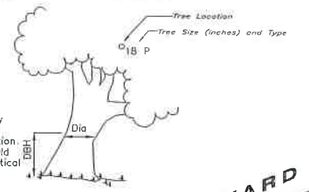


NOT TO SCALE

TREE LEGEND

CP ---- CABBAGE PALM (SABAL PALM)
LA ---- LAUREL OAK (DIAMOND OAK)

NOTE: Trees by nature are irregular in size and shape. Every effort is made to accurately locate trees. The tree size is determined at diameter breast height. The tree location is the center of the tree. This location may be different if located from a different direction. All tree locations should be field checked if critical to design.



LEGEND

(S)	Survey Dimension
(P)	Plat Dimension
O.R.	Official Records Book
P.B.	Plat Book
Pg(s).	Page(s)
C.O.T.S.	City of Tampa Survey
LB	Licence Business
F.D.O.T.	Florida Department of Transportation
FX	Found X Cut
FIP	Found Iron Pipe
FCM	Found Concrete Monument
FNGD	Found Mag Nail & Disk
RCP	Reinforced Concrete Pipe
Inv	Invert Elevation
Elev	Elevation
CI	Curb Inlet
GTI	Grate Top Inlet
MES	Mitered End Section
S	Sanitary Sewer Manhole
D	Storm Drainage Manhole
T	Telephone Manhole
	Service Power Pole
	Guy Anchor
EHH	Electric Handhole
FHH	Fiber Optic Handhole
WM	Water Meter
WV	Water Gate Valve
GV	Gas Gate Valve
CO	Sanitary Sewer Clean Out
FH	Fire Hydrant
MW	Monitoring Well
OU	Overhead Utility Lines
OE	Overhead Electric Lines
OT	Overhead Telelphone Lines
P	Power Manhole
M	Manhole
TSP	Traffic Signal Post
	Light Pole
	Sign
24.8	Location of reading
	Spot Elevation



Surveyor's Notes:

1) This survey was prepared without benefit of a title commitment, GeoPoint Surveying, Inc. makes no representation or guarantees concerning easements, rights-of-way, set back lines, reservation, agreements or other similar matters.

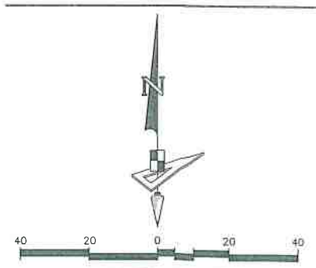
2) Bearings shown hereon are based on the North boundary of Block 17 of REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records, having an grid bearing of N.67°32'55"E. The Grid Bearings as shown hereon refer to the State Plane Coordinate System, North American Datum of 1988 (NAD 83-2007 ADJUSTMENT) for the West Zone of Florida, as established from RTK Network.

3) Elevations shown hereon are based on the North American Vertical Datum of 1988 (NAVD), reference benchmark is C.O.T.S "NV-02-183" Elevation= 7.023' Found City of Tampa Aluminum Survey Disk located at the Northwest corner of Parker Street and Keller Avenue It is 12' North of the centerline of Keller Avenue and 50' West of the centerline of Parker Street.

4) The subject property lies in Flood Zones "AE" & "X" according to Flood Insurance Rate Map, Map No. 12057C0354H for Hillsborough County, Florida, Community No. 120114, dated August 28, 2008 and issued by the Federal Emergency Management Agency.

23-044
RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

VERTICAL DATUM: NAVD88
Conversion from NAVD88 to NGVD29: +0.86'



SCALE: 1" = 20'

DESCRIPTION OF "HILLSBOROUGH RIVER PROPERTY"

That part of HAYDENS SUBDIVISION, according to map or plat there of recorded in Plat Book 1, Page 44, of the Public Records of Hillsborough County, Florida and that part of REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County, Florida, described as follows:

From the Northwest corner of Lot 1, Block 17 of REVISED MAP OF BLOCK 17OF HAYDENS SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County,Florida, run thence N.67°32'55"E., 155.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F.KENNEDY BOULEVARD), to a point on the Northerly boundary of Lot 6 of said Block 17; continue thence N.67°32'55"E., 89.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to a point on the Northerly boundary of Lot 8 of said Block 17 for the POINT OF BEGINNING; from said POINT OF BEGINNING run thence, from a tangent bearing of S.33°16'29.5"W.,Southerly, 17.26 feet, along the arc of a circular curve to the left (having a radius of 18.50 feet, a central angle of 54°25'55.2", a chord bearing of S.85°48'31.9"W., and a chord distance of 16.50 feet), to a point of compound curve; thence Southeasterly, 84.19 feet, along the arc of a circular curve to the left (having a radius of 224.00 feet, a central angle of 21°31'59.7", a chord bearing of S.32°25'25.5"E., and a chord distance of 83.69 feet), to the end of said curve; thence S.43°11'25.3"E., 282.86 feet; thence S.52°09'16"E., 6.31 feet; thence, from a tangent bearing of N.85°40'40.4"E., Easterly, 2.55 feet, along the arc of a circular curve to the left (having a radius of 8.00 feet, a central angle of 18°13'45.4", a chord bearing of N.76°39'47.7"E., and a chord distance of 2.53 feet), to the end of said curve; thence N.67°32'55"E., 135.57 feet to the beginning of a circular curve to the left; thence Northeasterly, 33.05 feet, along the arc of said circular curve (having a radius of 32.00 feet, a central angle of 59°10'10.8", a chord bearing of N.37°57'49.8"E., and a chord distance of 31.60 feet), to a point of reverse curve; thence Northeasterly, 68.88 feet, along the arc of a curve to the right (having a radius of 48.00 feet, a central angle of 82°13'14.3", a chord bearing of N.49°29'21.4"E., and a chord distance of 63.12 feet), to the end of said curve; thence, on a non-tangent bearing of N.67°32'55"E., 35.03 feet, to the Combined Pierhead and Bulkhead Line on the Westerly side of the Hillsborough River according to map of "U. S. HARBOR LINES, TAMPA HARBOR, HILLSBORO RIVER AND HILLSBORO BAY", approved January 19,1953 by the Secretary of the Army; thence N.43°11'25.3"W., 355.45 feet, along said Combined Pierhead and Bulkhead Line to an intersection with the Northerly boundary of Lot 10, Block 17 of said REVISED MAP OF BLOCK17 OF HAYDEN'S SUBDIVISION (Southerly right-of-way line of JOHN F.KENNEDY BOULEVARD); thence S.67°32'55"W., 244.69 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to the POINT OF BEGINNING.

Containing 86,596 square feet to the nearest square foot or 2.218 acres, more or less.

DESCRIPTION OF "PLANT AVENUE PROPERTY"

That part of HAYDENS SUBDIVISION, according to map or plat thereof recorded in Plat Book 1, Page 44, of the Public Records of Hillsborough County, Florida and that part of REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION, according to map or plat thereof recorded in Plat Book 2, Page 38, of the Public Records of Hillsborough County, Florida, described as follows:

From the intersection of the Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 500, of the Public Records of Hillsborough County, Florida) with the North (KELLER AVENUE) boundary of Lot 10, Block 15 of said HAYDENS SUBDIVISION, run thence N.01°20' 04"E., 15.72 feet to the intersection of the Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 501, of the Public Records of Hillsborough County, Florida) with the South (KELLER AVENUE) boundary of Lot 1, Block 15 of said HAYDENS SUBDIVISION; thence N.01°35'30"W., 51.76 feet, along said Easterly right-of-way line of PLANT AVENUE (Deed Book V-1, Page 501), for the POINT OF BEGINNING; from said POINT OF BEGINNING run thence, from a tangent bearing of S.01°35'30"E., Southeasterly, 19.85 feet, along the arc of a circular curve to the left (having a radius of 13.00 feet, a central angle of 87°29'55", a chord bearing of S.45°20'27.5"E., and a chord distance of 17.98 feet), to the end of said curve; thence S.89°05'25"E., 265.50 feet to the beginning of a circular curve to the left; thence Easterly, 140.37 feet, along the arc of said circular curve (having a radius of 427.00 feet, a central angle of 18°50'08.3", a chord bearing of N.81°29' 30.8"E., and a chord distance of 139.74 feet) to a point of compound curve; thence Northerly, 46.27 feet, along the arc of a circular curve to the left (having a radius of 23.00 feet, a central angle of 115°15' 52.0", a chord bearing of N.14°29'32.7"E., and a chord distance of 38.85 feet), to the end of said curve; thence, on a non-tangent bearing of N.82°28'25"W., 21.20 feet; thence N.43°11'25.3"W., 211.41 feet to the beginning of a circular curve to the right; thence Northwesterly, 79.24 feet, along the arc of said circular curve (having a radius of 281.00 feet, a central angle of 16°09'27.6", a chord bearing of N.35°06'41.5"W., and a chord distance of 78.98 feet), to the end of said curve; thence, on a non-tangent bearing of N.00°41'16"W., 21.68 feet; thence, from a tangent bearing of N.27°32'25.5"W., Northwesterly, 23.23 feet, along the arc of a circular curve to the left (having a radius of 25.00 feet, a central angle of 57°49'51.3", a chord bearing of N.56°27'04.1"W., and a chord distance of 24.18 feet), to an intersection with the non-tangent Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD (Northerly boundary of Lot 8, Block 17 of said REVISED MAP OF BLOCK 17 OF HAYDEN'S SUBDIVISION); thence S.87°32'55"W., 155.47 feet, along the Northerly boundary of said Block 17 (Southerly right-of-way line of JOHN F. KENNEDY BOULEVARD), to the Northwest corner of Lot 1 of said Block 17; thence S.01°35'30"E., 246.70 feet, along the Easterly right-of-way line of PLANT AVENUE (as defined by Deed Book V-1, Page 498 and by Deed Book V-1, Page 501, of the Public Records of Hillsborough County, Florida), to the POINT OF BEGINNING.

Containing 79,722 square feet to the nearest square foot or 1.830 acres, more or less.

DESCRIPTION OF "SOUTH PROPERTY"

Being that part of HAYDENS SUBDIVISION, according to map or plat thereof recorded in Plat Book 1, Page 44, of the Public Records of Hillsborough County, Florida described as follows:

From the Northwest corner of Lot 17, Block 16 (Northeast corner of Lot E) of said HAYDENS SUBDIVISION, run thence S.00°52'59"W., 115.77 feet, along the West boundary of said Lot 17, Block 16 (East boundary of said Lot E), to a point on the North boundary of Lot 7 of WHITAKERS SUBDIVISION, according to map or plat thereof recorded in Plat Book 1, Page 84, of the Public Records of Hillsborough County, Florida; thence S.89°04'30"E., 180.08 feet, along the North boundary of Lots 7, 8, and 9 of said WHITAKERS SUBDIVISION (accepted common boundary line between said WHITAKERS SUBDIVISION and said HAYDENS SUBDIVISION), to a point on the Westerly right-of-way line of PARKER STREET; run thence N.22°56'42"W., 128.81 feet, along said Westerly right-of-way line of PARKER STREET (through Lots 15 and 16, Block 16 of said HAYDENS SUBDIVISION), to a point on the North boundary line of Lot 16, Block 16 of said HAYDENS SUBDIVISION; continue thence N.22°56'42"W., 17.79 feet, along said Westerly right-of-way line of PARKER STREET, to a point on the South boundary line of Lot 2, Block 16 of said HAYDENS SUBDIVISION; continue thence N.22°56'42"W., 34.28 feet, along said Westerly right-of-way line of PARKER STREET; thence, from a tangent bearing of N.77°51'03.3"W., Westerly, 15.88 feet, along the arc of a circular curve to the left (having a radius of 25.00 feet, a central angle of 36°23'53.4", a chord bearing of S.83°57'00"W., and a chord distance of 15.62 feet), to a point of reverse curve; thence Southwesterly, 77.38 feet, along the arc of a circular curve to the right (having a radius of 482.50 feet, a central angle of 09°11'57.0", a chord bearing of S.70°21'01.5"W., and a chord distance of 77.30 feet), to a point on a Northerly projection of the West boundary of Lot 17, Block 16 of said HAYDENS SUBDIVISION (Northerly projection of the East boundary of Lot E of said HAYDENS SUBDIVISION); thence S.00°52'59"W., 18.58 feet, along said Northerly projection, to the POINT OF BEGINNING.

Containing 19,058 square feet, to the nearest square foot or 0.438 acres, more or less.

GRAND CENTRAL PARCEL

The North 38.50 feet of Lot 8 and all of Lots 9, 10, 11, and 12, Block 1, PLAN OF HYDE PARK, according to the map or plat thereof as recorded in Plat Book 1, Page 1, of the Public Records of Hillsborough County, Florida and all of Lots 3, 4, 5, 6, and 7, Block 13, PLAN OF WASHINGTON'S SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 1, Page 4 of the Public Records of Hillsborough County, Florida.

ALL BEING MORE PARTICULARLY DESCRIBED AS:

BEGINNING at the Northeast corner of Lot 12, Block 1, PLAN OF HYDE PARK, according to the map or plat thereof as recorded in Plat Book 1, Page 1, of the Public Records of Hillsborough County, Florida; run thence S.89°56'59"W., 316.55 feet, along the East boundary of Lots 12, 11, 10, 9, and 8 of said Block 1 (West right-of-way line of HYDE PARK AVENUE) to the Southeast corner of the North 38.50 feet of Lot 8 of said Block 1; thence N.89°15'18"W., 141.67 feet, along the South boundary of said North 38.50 feet of Lot 8 (North right-of-way line of CLEVELAND STREET), to the Southwest corner of the North 38.50 feet of Lot 8 of said Block 1 (Southeast corner of Lot 7, Block 13, PLAN OF WASHINGTON'S SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 1, Page 4 of the Public Records of Hillsborough County, Florida); continue thence N.89°15'18"W., 88.11 feet along the South boundary of said Lot 7, Block 13 (North right-of-way line of CLEVELAND STREET), to the Southwest corner thereof; thence N.00°49'47"E., 330.00 feet, along the West boundary of Lots 7, 6, 5, 4, and 3 of said Block 13 (East right-of-way of CEDAR AVENUE) to the Northwest corner of Lot 3 of said Block 13; thence S.89°15' 18"E., 88.11 feet, along the North boundary of Lot 3 of said Block 13 (South boundary of Lot 2 of said Block 13), to the Northeast corner of said Lot 3 (Southeast corner of said Lot 2); thence S.00°49'47"W., 13.45 feet, along the East boundary of Lot 3 of said Block 13 (West boundary of Lot 13, Block 1 of said PLAN OF HYDE PARK), to the Northwest corner of Lot 12 (Southwest corner of Lot 13) of said Block 1; thence S.89°15'18"E., 142.14 feet, along the North boundary of Lot 12 of said Block 1 (South boundary of Lots 13 and 14 of said Block 1), to the POINT OF BEGINNING.

Containing 76,637 square feet, to the nearest square foot, or 1.759 acres, more or less.

PROJECT: SOUTH HYDE PARK AVENUE, TAMPA			
PHASE: BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY			
DRAWN: LAT	DATE: 12/15/21	CHECKED BY: JMG	
P.CHIEF: SM	FIELD BOOK:		
DATA FILE: AVLON-TOPOCHECK-SM.txt			
REVISIONS			
DATE	DESCRIPTION		DRAWN BY

SURVEYOR'S CERTIFICATION

I DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY SUPERVISION AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS & MAPPERS STATED IN RULES 5J-17.051, 5J-17.052, AND 5J-17-053, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

Jack M. Greene
FLORIDA PROFESSIONAL SURVEYOR & MAPPER NO. LS6506

DATE OF LAST FIELD SURVEY: December 15, 2021

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

Boundary, Topographic and Tree Location Survey
PREPARED FOR
HILLSBOROUGH RIVER REALTY CORPORATION
LOCATED IN
Section 24, Township 19 S., Range 18 E.
Hillsborough County, Florida

GeoPoint Surveying, Inc.
213 Hobbs Street
Tampa, Florida 33619
www.geopointsurvey.com
Phone: (813) 248-8888
Fax: (813) 248-2266
Licensed Business No.: LB 7763

SHEET NUMBER: 01 of 07

FILE PATH: S:\24\01\RAW\DWG\LON REZONE\AVLON 2021\W\GRAND CENTRAL-GEO SET-SHT 1.DWG PLOTTED BY: JACK GREENE ON: 1/12/2022 8:29 AM LAST SAVED BY: JACKG ON: 12/20/2021 9:57 AM

JOHN F. KENNEDY BOULEVARD (STATE ROAD No. 60)

PLANT AVENUE

PARKER STREET

HILLSBOROUGH RIVER

KELLER AVENUE

POINT OF COMMENCEMENT
RIVER PARCEL
Northwest corner of Lot 1

POINT OF BEGINNING
RIVER PARCEL

POINT OF BEGINNING
PLANT PARCEL

POINT OF COMMENCEMENT
PLANT PARCEL

POINT OF BEGINNING
Northwest corner of Lot 17

Local Benchmark 2
Set Box Cut Northerly corner of curb inlet at the Southeast corner of Kennedy Blvd & Plant Avenue
Elevation = 10.12'

Local Benchmark 1
Set Box Cut on Top of curb at mid radius at the Northeast corner of Plant Avenue & Keller Avenue
Elevation = 13.08'

Local Benchmark 3
Set Box Cut on top of curb inlet at the Northeast corner of Keller Avenue & Parker Street
Elevation = 7.34

PLANT PARCEL
Area = 1.830 Acres±

RIVER PARCEL
Area = 2.218 Acres±
Dirt, Parking Area

SOUTH PARCEL
Area = 0.435 Acres±

VACANT

HAYDENS SUBDIVISION
P.B. 1, Pg. 44

WHITAKERS SUBIDVISION
P.B.1, Pg. 94

BLOCK 15

LOT 1 LOT 2 LOT 6 LOT 7 LOT 8 LOT 9 LOT 10 LOT 16 LOT 17 LOT E

Retention Pond

ASPHALT PARKING LOT

ASPHALT PARKING AREA

Shelter with Conc.

Gate

Edge of Conc

Edge of Pavement

Crush Asphalt

Vault on Concrete Pad

Top Elev=12.32
Top Elev=12.09'
Top Elev=11.96
Top Elev=11.75
Top Elev=11.48
Top Elev=10.22'
Top Elev=11.36
Throat Elev=10.57'
Top Elev=11.85
Top Elev=9.78'
Top Elev=9.74'
Top Elev=9.80'
Top Elev=9.60'
Top Elev=9.36'
Top Elev=8.41'
Top Elev=9.25
Throat Elev=9.12
Top Elev=10.95'
Top Elev=8.53'
Top Elev=5.44
Top Elev=5.70'
Top Elev=7.16'
Top Elev=6.55'
Top Elev=6.69'
Top Elev=6.38
Top Elev=6.35
Top Elev=6.19
Top Elev=7.10'
Top Elev=6.26'
Top Elev=7.30'
Top Elev=4.30'
Top Elev=4.94'
Top Elev=4.89'
Top Elev=5.03'
Top Elev=4.92
Top Elev=5.35'
Top Elev=3.71

S.67°32'55"E. (S) 155.61'
N.67°32'55"E. (W) 69.47'
N.67°32'55"E. 244.69'
S.67°32'55"W. 244.69'
N.00°41'15"W. 21.68'
S.01°35'30"E. 246.70'
N.01°35'30"W. 51.76'
N.01°20'05"E. 15.72'
S.89°05'25"E. 205.50'
N.43°11'25.3"W. 282.98'
S.43°11'25.3"E. 282.98'
N.43°11'25.3"W. 955.45'
S.43°11'25.3"E. 211.41'
N.67°32'55"E. 35.03'
N.67°32'55"E. 135.57'
N.62°28'25"W. 21.20'
S.20°01'16"E. 63.31'
N.22°56'42"W. 178.68'
S.00°52'59"W. 115.77'
S.89°04'50"E. 160.08'

C136 C138 C142 C146 C148 C157 C159 C165 C166 C169 C174 C176 C177 C186 C189 C190

TREE LEGEND

CP ---- CABBAGE PALM (SABAL PALM)
LA ---- LAUREL OAK (DIAMOND OAK)

NOTE Trees by nature are irregular in size and shape Every effort is made to accurately locate trees The tree size is determined at diameter breast height The tree location is the center of the tree This location may be different if located from a different direction All tree locations should be field checked if critical to design

Tree Location
Tree Size (inches) and Type
18 P
Dia
Dbh

N

60 30 0 30 60

SCALE: 1" = 30'

LEGEND

(S) ---- Survey Dimension
(P) ---- Plat Dimension
O.R. ---- Official Records Book
P.B. ---- Plat Book
Pg(s) ---- Page(s)
C.O.T.S. ---- City of Tampa Survey
LB ---- Licence Business
F.D.O.T. ---- Florida Department of Transportation
FX ---- Found X Cut
FIP ---- Found Iron Pipe
FCM ---- Found Concrete Monument
FMGD ---- Found Mag Nail & Disk
RCP ---- Reinforced Concrete Pipe
Inv ---- Invert Elevation
Elev ---- Elevation
CI ---- Curb Inlet
GTI ---- Grate Top Inlet
MES ---- Mitered End Section
Location of reading
24.8
Spot Elevation

(S) Sanitary Sewer Manhole
(D) Storm Drainage Manhole
(T) Telephone Manhole
Service Power Pole
Guy Anchor
Electric Handhole
Fiber Optic Handhole
Water Meter
Water Gate Valve
Gas Gate Valve
Sanitary Sewer Clean Out
Fire Hydrant
Monitoring Well
Overhead Utility Lines
Overhead Electric Lines
Overhead Telephone Lines
Power Manhole
Manhole
Traffic Signal Post
Light Pole
Sign

CURVE DATA TABLE

CURVE NO.	RADIUS	DELTA	ARC	CHORD	BEARING
C136	25.00	57°49'51.3"	25.23	24.18	N.56°27'34.1"W.
C138	23.00	115°15'52.0"	46.27	38.85	N.14°28'30.7"E.
C142	281.00	16°09'27.6"	79.24	78.98	N.35°05'41.5"W.
C146	13.00	87°29'55.0"	19.85	17.98	S.45°20'27.8"E.
C148	427.00	18°50'08.3"	140.37	139.74	N.81°29'30.8"E.
C157	18.00	54°55'55.2"	17.26	16.60	S.05°48'31.9"W
C159	224.00	21°31'59.7"	84.19	83.69	S.32°25'25.5"E.
C165	8.00	18°13'45.4"	2.55	2.53	N.76°39'47.7"E.
C169	32.00	59°10'10.8"	33.05	31.60	N.37°57'49.6"E.
C174	25.00	36°23'53.4"	15.88	15.62	S.83°57'00.0"W
C176	48.00	14°19'05.9"	12.00	11.96	S.86°13'51.9"W.
C177	48.00	82°13'14.3"	68.88	63.12	N.49°29'21.4"E.
C186	482.00	09°11'57.0"	77.39	77.30	S.70°21'01.8"W
C189	281.00	01°47'08"	8.76	8.76	N.42°17'51.3"W
C190	281.00	14°22'19.6"	70.49	70.30	N.34°13'07.5"W

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

VERTICAL DATUM: NAVD88
Conversion from NAVD88 to NGVD29 +0.86'

PROJECT: SOUTH HYDE PARK AVENUE, TAMPA
PHASE BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY
DRAWN: LAT DATE: 12/15/21 CHECKED BY: JMG
P CHIEF SM FIELD BOOK:
DATA FILE: AVLON-TOPOCHECK-SM.txt

REVISIONS

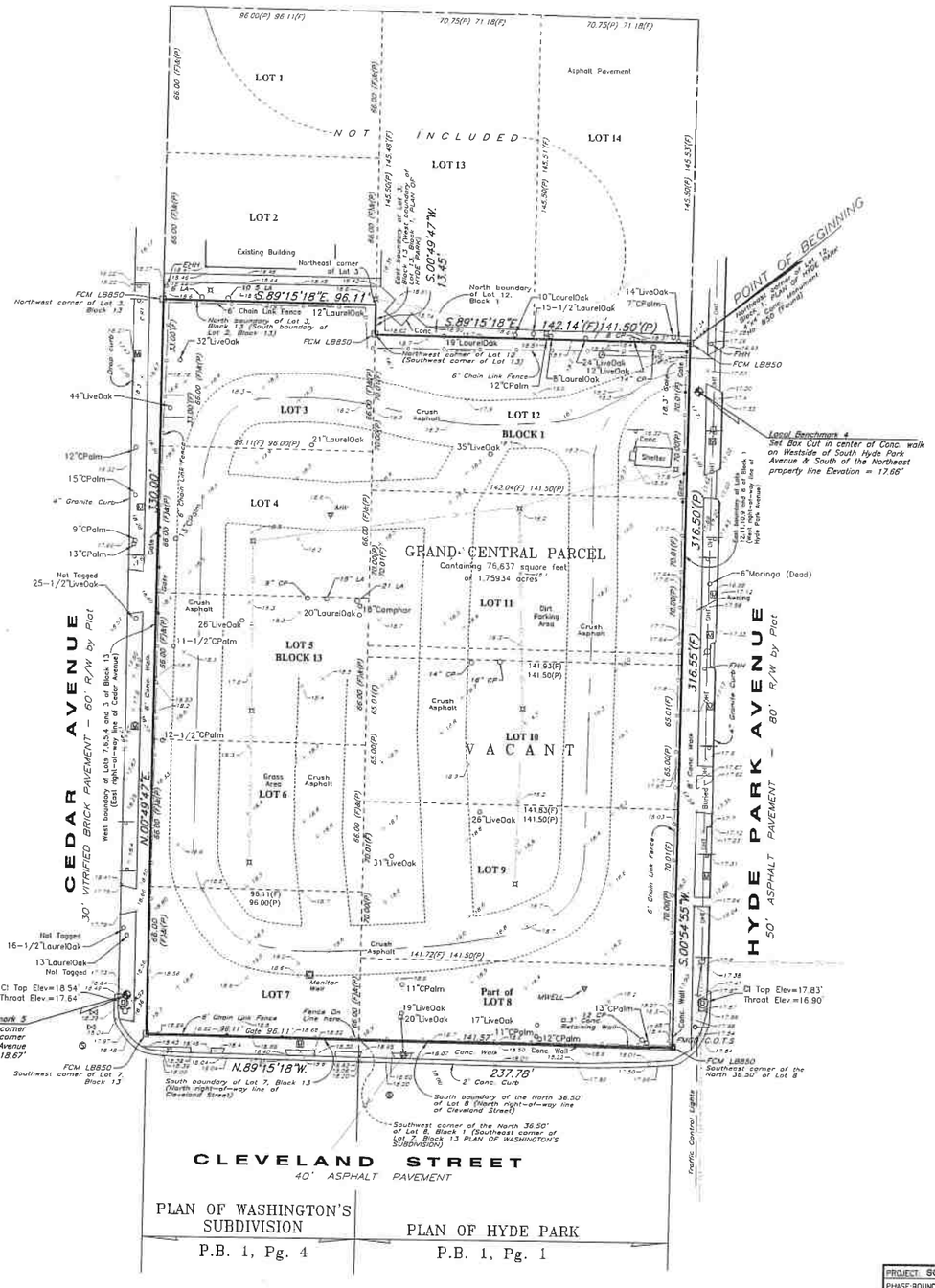
DATE	DESCRIPTION	DRAWN BY

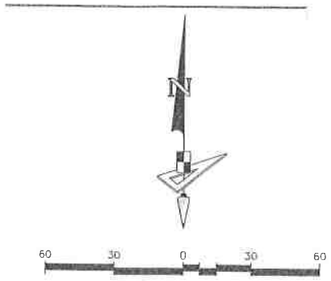
Boundary, Topographic and Tree Location Survey
PREPARED FOR
HILLSBOROUGH RIVER REALTY CORPORATION
LOCATED IN
Section 24, Township 19 S , Range 18 E.
Hillsborough County, Florida

GeoPoint Surveying, Inc.
213 Hobbs Street
Tampa, Florida 33619
www.geopointsurvey.com
Phone: (813) 248-8888
Fax: (813) 248-2266
Licensed Business No. LB 7764

SHEET NUMBER: 02 of 07

23-044

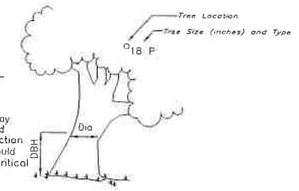




TREE LEGEND

CP ----- CABBAGE PALM (SABAL PALM)
LA ----- LAUREL OAK (DIAMOND OAK)

NOTE: Trees by nature are irregular in size and shape. Every effort is made to accurately locate trees. The tree size is determined at diameter breast height. The tree location is the center of the tree. This location may be different if located from a different direction. All tree locations should be field checked if critical to design.



LEGEND

(S) ------- Survey Dimension
(P) ------- Plat Dimension
O.R. ------- Official Records Book
P.B. ------- Plat Book
Pg(s) ------- Page(s)
C.O.T.S ------- City of Tampa Survey
LB ------- Licence Business
F.D.O.T. ------- Florida Department of Transportation
FX ------- Found 'X' Cut
FIP ------- Found Iron Pipe
FCM ------- Found Concrete Monument
FMGD ------- Found Mag Nail & Disk
RCP ------- Reinforced Concrete Pipe
Inv= ------- Invert Elevation
Elev= ------- Elevation
CI ------- Curb Inlet
GTI ------- Grate Top Inlet
MES ------- Mitered End Section
(S) ------- Sanitary Sewer Manhole
(D) ------- Storm Drainage Manhole
(T) ------- Telephone Manhole
------- Service Power Pole
------- Guy Anchor
EHH_D ------- Electric Handhole
FHH_O ------- Fiber Optic Handhole
------- Water Meter
WV ------- Water Gate Valve
GV ------- Gas Gate Valve
CO_S ------- Sanitary Sewer Clean Out
------- Fire Hydrant
MW ------- Monitoring Well
OU ------- Overhead Utility Lines
OE ------- Overhead Electric Lines
OT ------- Overhead Telelphone Lines
(P) ------- Power Manhole
(M) ------- Manhole
TSP ------- Traffic Signal Post
------- Light Pole
------- Sign
Location of reading
24.8
Spot Elevation

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

VERTICAL DATUM: NAVD88
Conversion from NAVD88 to NGVD29: +0.86'

PROJECT: SOUTH HYDE PARK AVENUE, TAMPA	
PHASE: BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY	
DRAWN: LAT	DATE: 12/15/21 CHECKED BY: JMG
P.CHIEF: SM	FIELD BOOK:
DATA FILE: AVLON-TOPOCHECK-SM.txt	

REVISIONS

DATE	DESCRIPTION	DRAWN BY

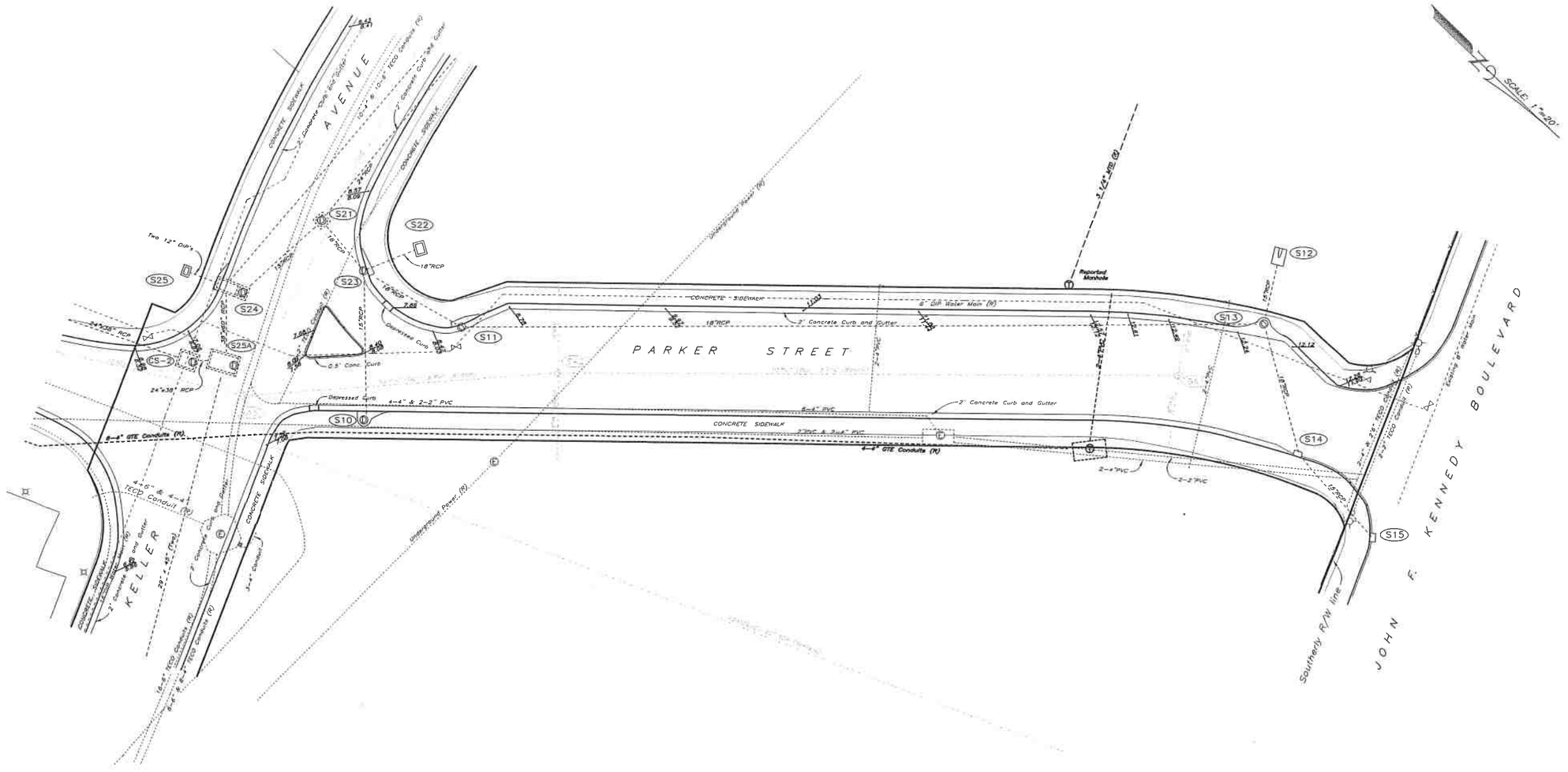
Boundary, Topographic and Tree Location Survey
PREPARED FOR
HILLSBOROUGH RIVER REALTY CORPORATION
LOCATED IN
Section 24, Township 19 S., Range 18 E.
Hillsborough County, Florida

GeoPoint Surveying, Inc.
213 Hobbs Street
Tampa, Florida 33619
www.geopointsurvey.com
Phone: (813) 248-8888
Fax: (813) 248-2266
Licensed Business No.: LB 7768

SHEET NUMBER: 03 of 07

23-044

DWG NAME: S:\2021\AVLON\AVLON REDEVELOPMENT 2021\AVLON GRAND CENTRAL GEO SHT 24.3.DWG PLOTTED BY: JACK GREENE ON 12/22/2021 8:30 AM LAST SAVED BY JACKG ON 12/22/2021 1:51 PM



RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

VERTICAL DATUM: **NAVD88**
Conversion from NAVD88 to NGVD29: **+0.86'**

PROJECT: SOUTH HYDE PARK AVENUE, TAMPA		
PHASE: BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY		
DRAWN: LAT	DATE: 12/15/21	CHECKED BY: JMG
P.CHIEF: SM	FIELD BOOK: ----------	
DATA FILE: AVLON-TOPOCHECK-SM.txt		

REVISIONS

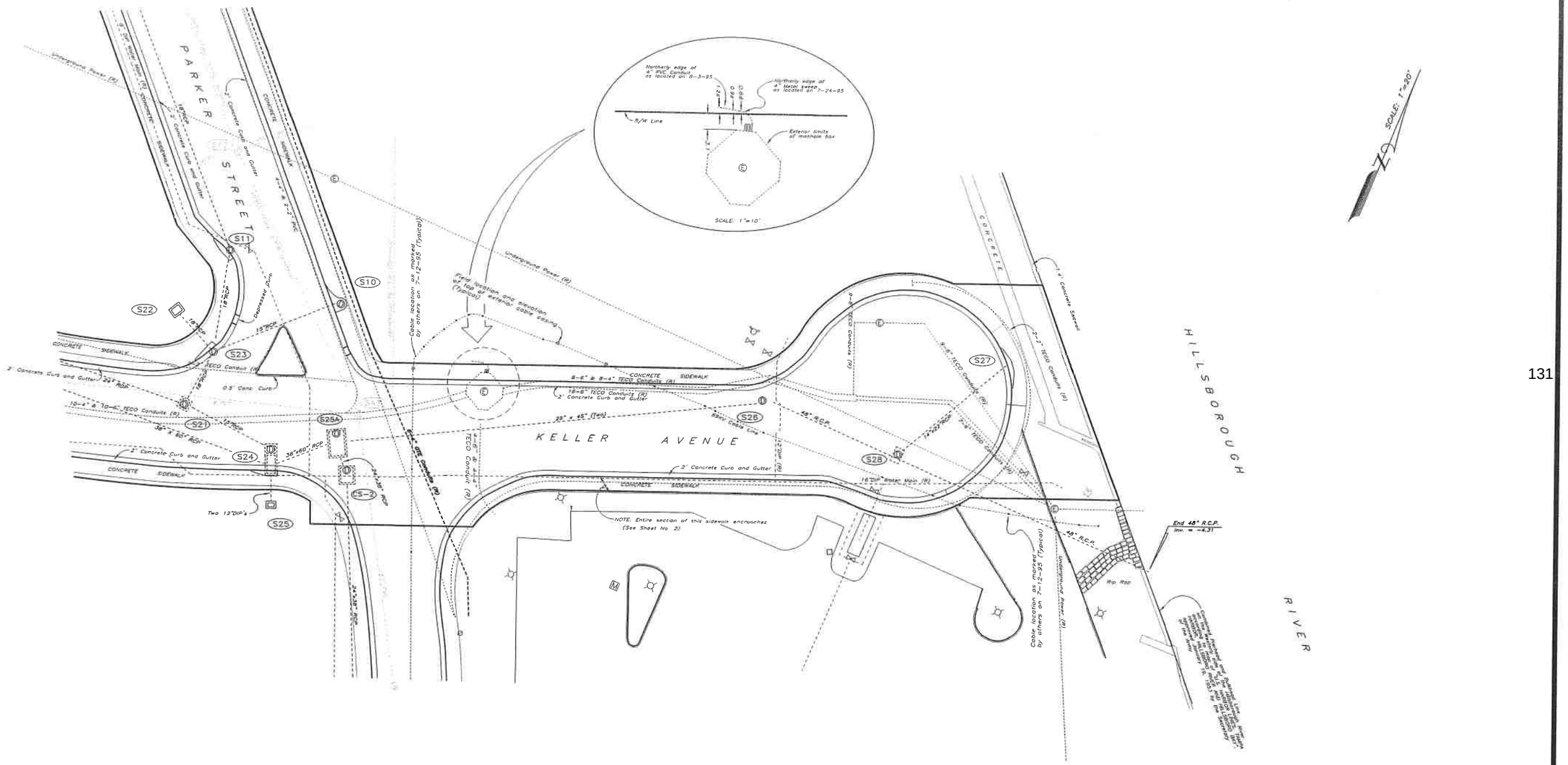
DATE	DESCRIPTION	DRAWN BY

Boundary, Topographic and Tree Location Survey

PREPARED FOR
HILLSBOROUGH RIVER REALTY CORPORATION
LOCATED IN
Section 24, Township 19 S., Range 18 E.
Hillsborough County, Florida

GeoPoint Surveying, Inc.
213 Hobbs Street
Tampa, Florida 33619
www.geopointsurvey.com
Phone: (813) 248-8888
Fax: (813) 248-2266
Licensed Business No.: LB 7768

SHEET NUMBER: **04** of **07**



RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

131

23-044

PROJECT: SOUTH HYDE PARK AVENUE, TAMPA			
PHASE: BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY			
DRAWN: LAT	DATE: 12/15/21	CHECKED BY: JMG	
P.CHIEF: SM	FIELD BOOK: ----------		
DATA FILE: AVLON-TOPOCHECK-SM.txt			

REVISIONS

DATE	DESCRIPTION	DRAWN BY

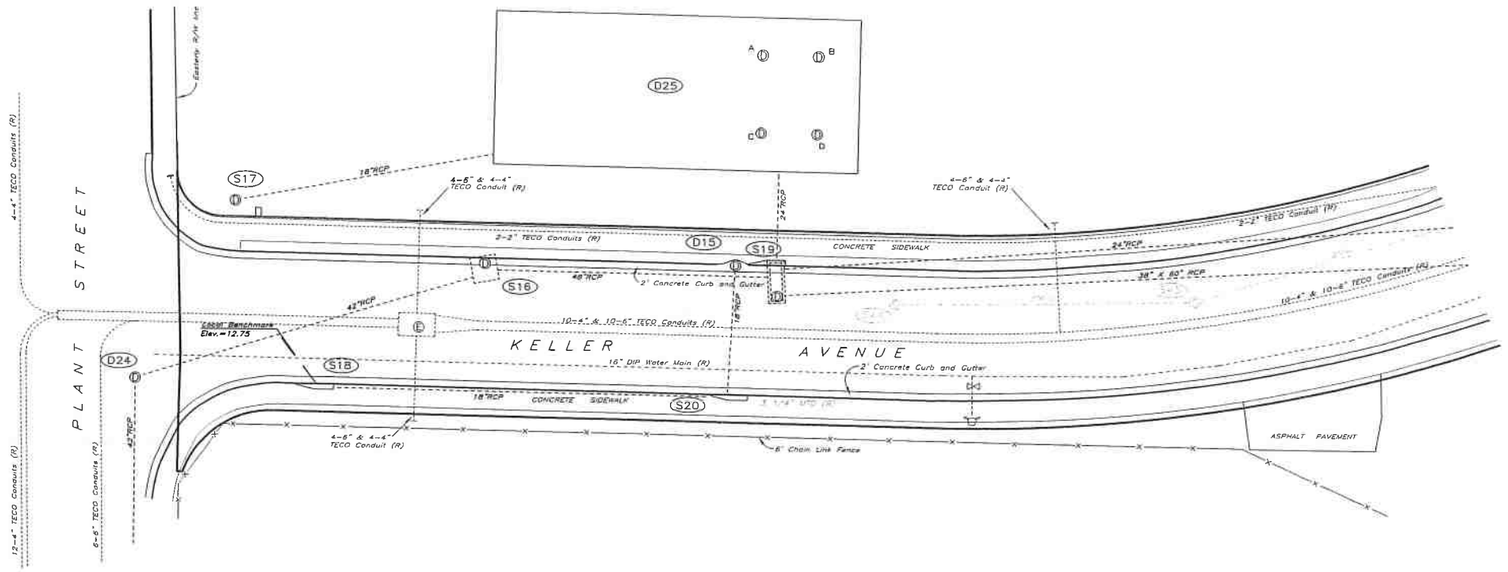
VERTICAL DATUM: **NAVD88**
Conversion from NAVD88 to NGVD29: **+0.86'**

Boundary, Topographic and Tree Location Survey

PREPARED FOR
HILLSBOROUGH RIVER REALTY CORPORATION
LOCATED IN
Section 24, Township 19 S., Range 18 E.
Hillsborough County, Florida

GeoPoint Surveying, Inc.
213 Hobbs Street
Tampa, Florida 33619
www.geopointsurvey.com
Phone: (813) 248-8888
Fax: (813) 248-2266
Licensed Business No.: LB 7768

SHEET NUMBER: **05** of **07**



SCALE: 1"=20'

132

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT.

23-044

VERTICAL DATUM: **NAVD88**
Conversion from NAVD88 to NGVD29 **+0.86'**

PROJECT: SOUTH HYDE PARK AVENUE, TAMPA		
PHASE: BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY		
DRAWN: LAT	DATE: 12/15/21	CHECKED BY: JMG
P.CHIEF: SM	FIELD BOOK: ----------	
DATA FILE: AVLON-TOPOCHECK-SM.txt		

REVISIONS

DATE	DESCRIPTION	DRAWN BY

Boundary, Topographic and Tree Location Survey

PREPARED FOR
HILLSBOROUGH RIVER REALTY CORPORATION
LOCATED IN
Section 24, Township 19 S., Range 18 E.
Hillsborough County, Florida

GeoPoint Surveying, Inc.
213 Hobbs Street
Tampa, Florida 33619
www.geopointsurvey.com
Phone: (813) 248-8888
Fax: (813) 248-2266
Licensed Business No.: LB 7768

SHEET NUMBER: **06** of **07**

STORM DATA TABLE

STURCTURE NUMBER	TYPE	ELEVATIONS
CS-2	Manhole	N.Rim=6.19 NW Inv.(24"x38"RCP)=0.40 SE Inv.(24"x38"RCP)=0.45
S10	Curb Inlet	Top=7.15 Throat=6.41 W.Inv.(15"RCP)=2.21
S11	Curb Inlet	Top=7.72 Throat=6.85 SW Inv.(18"RCP)=2.17 NW Inv.(18"RCP)=3.55
S12	Mitered End Section	Inv.(15"RCP)=5.67
S13	Curb Inlet	Top=11.32 Throat=10.49 NE Inv.(18"RCP)=5.52 SW Inv.(15"RCP)=5.00 SE Inv.(18"RCP)=4.45
S14	Curb Inlet	Top=11.79 Throat=11.20 NE Inv.(15"RCP)=7.25 SW Inv.(18"RCP)=5.79
S15	Curb Inlet	Top=12.74 Throat=12.28 S.Inv.(15"RCP)=8.01
S16	Manhole	N.Rim=10.95 SW Inv.(42"RCP)=0.84 E.Inv.(48"RCP)=0.83
S17	Manhole	N.Rim=12.31 E.Inv.(18"RCP)=3.07
S18	Curb Inlet	Top=11.89 Throat=11.02 E.Inv.(18"RCP)=6.16
S19	Curb Inlet	Top=9.94 Throat=9.11 N.Inv.(24"RCP)=1.31 W.Inv.(48"RCP)=0.58 W.Inv.(18"RCP)=5.03 E.Inv.(38"x60"RCP)=0.54 E.Inv.(24"RCP)=1.27
S20	Curb Inlet	Top=9.80 Throat=8.97 N.Inv.(18"RCP)=5.55 W.Inv.(18"RCP)=5.62
S21	Manhole	N.Rim=7.16 W.Inv.=1.67 N.Inv.(18"RCP)=1.68 E.Inv.(15"RCP)=1.82

STORM DATA TABLE

STURCTURE NUMBER	TYPE	ELEVATIONS
S22	Grate Top Inlet	Top=5.70 Inv.(18"RCP)=2.15
S23	Curb Inlet	Top=7.37 Throat=6.50 N.Inv.(18"RCP)=1.92 W.Inv.(18"RCP)=1.93 S.Inv.(18"RCP)=1.89 E.Inv.(15"RCP)=1.95
S24	Curb Inlet	N.Rim=6.69 NW Inv. (38x60RCP)=0.52 NW Inv.(15"RCP)=0.97 NE Inv.(38"x60"RCP)=0.47 S.Inv.(E)-(12"DIP)=2.92 S.Inv.(W)-(12"DIP)=2.96
S25	Grate Top Inlet	Top=5.12. N.Inv.(W)-(12"DIP)=3.14 N.Inv.(E)-(12"DIP)=3.10
S25A	Manhole	N.Rim=6.35 SW Inv.(28"x60"RCP)=0.47 SE Inv.(24"x38"RCP)=0.44 NE Inv.(E)-(29"x45"ERCP)=0.40 NE Inv.(W)-(29"x45"ERCP)=0.40
S26	Manhole	N.Rim=4.94 E.Inv.(48"RCP)=-3.91 SW Inv.(N)-(29"x45"ERCP)=0.00 SW Inv.(S)-(29"x45"ERCP)=0.00
S27	Curb Inlet	Top=4.43 Throat=3.62 SW Inv.(14"x22"RCP)=0.53
S28	Manhole	N.Rim=4.30 E.Inv.(48"RCP)=-3.96 W.Inv.(48"RCP)=-3.95 NE Inv.(14"x22"RCP)=0.26
D15	Manhole	N.Rim=9.60 E.Inv.(18"RCP)=6.87 S.Inv.(18"RCP)=6.93
D24	Existing Manhole	N.Rim=13.29 S.Inv.(42"RCP)=1.36 NE Inv.(42"RCP)=1.48
D25	Retention Vault	Manhole A Top=9.78 Bottom=2.52 Manhole B Top=9.74 Manhole C Top=9.74 Manhole D Top=9.80 Bottom=2.53

SANITARY DATA TABLE

STURCTURE NUMBER	TYPE	ELEVATIONS
SA1	Manhole	N.Rim=11.74 SE Inv.(10"PVC)=5.42 NE Inv.(8"PVC)=5.49 SW Inv.(6"PVC)=5.61
SA2	Manhole	N.Rim=8.41 NW Inv. (10"PVC)=3.34 NW Inv. (8"PVC)=1.38 W Inv. (6"PVC)=1.18 SE Inv. (10"PVC)=0.94 E Inv. (8"PVC)=4.10 E Inv. (8"PVC)=1.34
SA3	Manhole	N.Rim=6.31 W.Inv.=-2.08 SE Inv.=-2.21 NW Inv.=0.52 NW Inv.=-1.74
SA4	Manhole	N.Rim=9.26 E.Inv.=4.32 N.Inv.=4.55
SA5	Manhole	N.Rim=8.32 W.Inv.=-1.10 W.Inv.=3.94 E.Inv.=-1.45 N.Inv.=4.59

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

VERTICAL DATUM: **NAVD88**
Conversion from NAVD88 to NGVD29: **+0.86'**

PROJECT: SOUTH HYDE PARK AVENUE, TAMPA
PHASE: BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY
DRAWN: LAT | DATE: 12/15/21 | CHECKED BY: JMG
P.CHIEF: SM | FIELD BOOK: ---
DATA FILE: AVLON-TOPOCHECK-SM.txt

REVISIONS

DATE	DESCRIPTION	DRAWN BY

Boundary, Topographic and Tree Location Survey
PREPARED FOR
HILLSBOROUGH RIVER REALTY CORPORATION
LOCATED IN
Section 24, Township 19 S., Range 18 E.
Hillsborough County, Florida

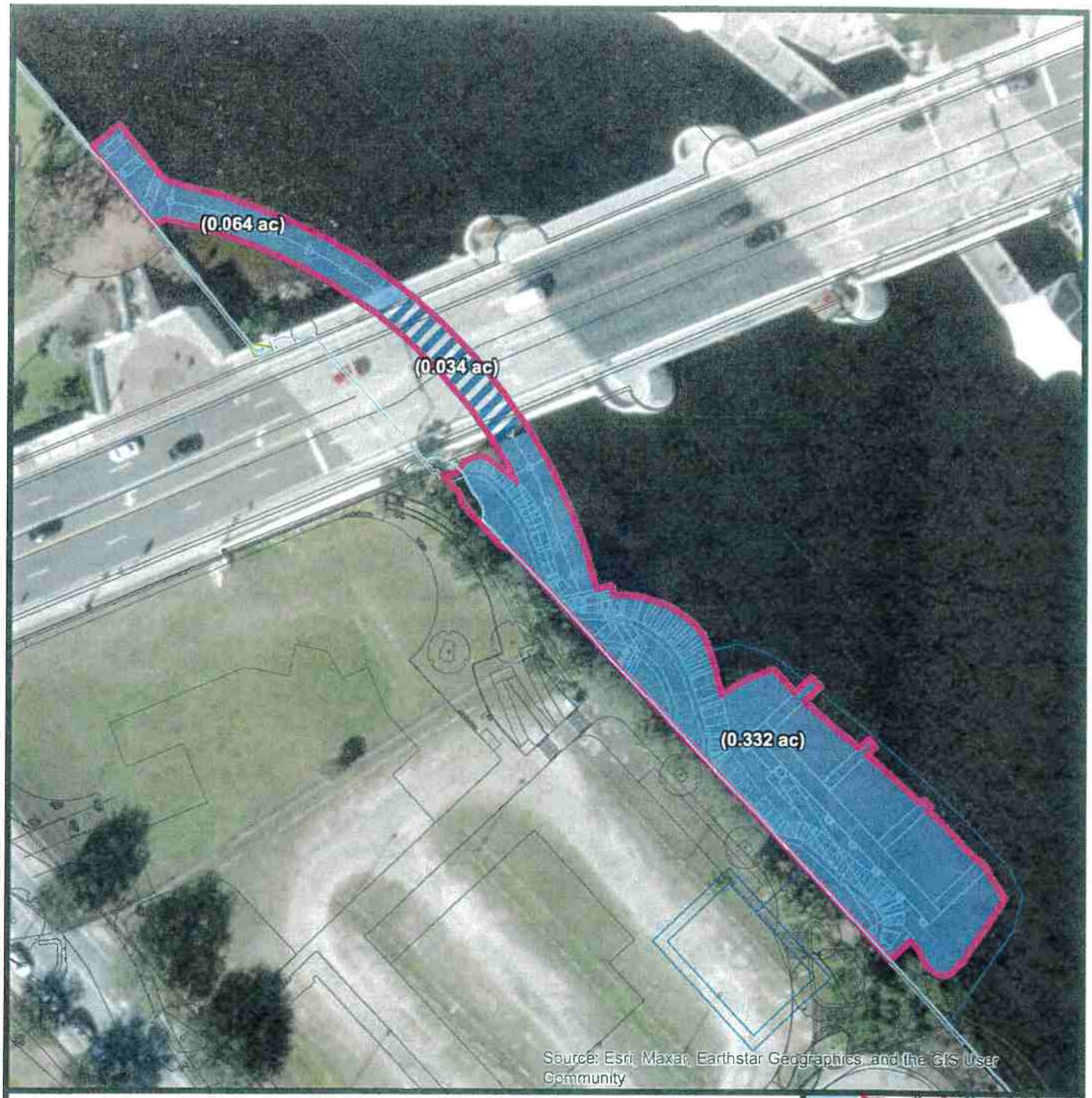
GeoPoint Surveying, Inc.
213 Hobbs Street
Tampa, Florida 33619
www.geopointsurvey.com
Phone: (813) 248-8888
Fax: (813) 248-2266
Licensed Business No.: LB 7768

SHEET NUMBER: **07** of **07**

EXHIBIT 8

SURFACE WATER IMPACTS ON THE TAMPA RIVERWALK PROJECT SITE, CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT.



Legend

Source: Boundary and development taken from files provided by: Moffatt & Nichol; 2023/04/06.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

- Project Area (0.43 ac)
- Mean High Water Line (MHWL)
- Surface water impacts (0.396 ac)
- Surface water impacts only under bridge (0.034 ac)
- Total surface water impacts including under the bridge (0.43 ac)



0 35 70 Feet

1 inch = 70 feet

EXHIBIT 8
SURFACE WATER IMPACTS ON THE TAMPA RIVERWALK PROJECT SITE, CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA.

BDA BREEDLOVE, DENNIS & ASSOCIATES, INC.
Environmental Consultants
330 W. Canton Ave., Winter Park, FL 32789 • 407-677-1882

CBT • 4/12/2023 • P:\ATG\2022007\Permit_Use\IP_202304\ARCGIS\Impacts.mxd

23-044

EXHIBIT 9

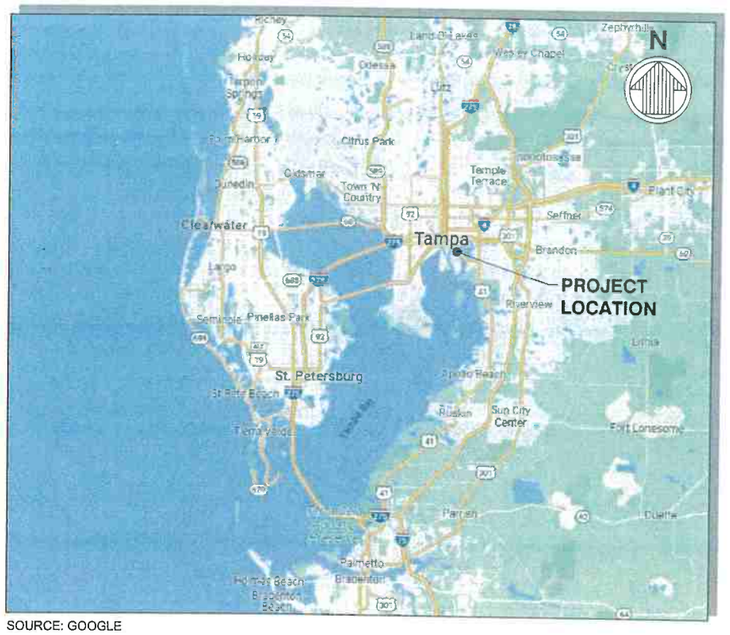
RIVERWALK DISTRICT WATERFRONT DRAWINGS AND PLANS BY MOFFATT & NICHOL

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

RIVERWALK DISTRICT WATERFRONT

SECTION 24, TOWNSHIP 29S, RANGE 18E

102 SOUTH PARKER STREET
TAMPA, FLORIDA 33606



SOURCE: GOOGLE

VICINITY MAP
N.T.S.

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES AND ABBREVIATIONS
3	G-101	GENERAL ARRANGEMENT PLAN
4	V-101	EXISTING CONDITIONS PLAN
5	C-101	DREDGING PLAN
6	C-102	LIVING SHORELINE PLAN
7	C-301	DREDGING AND LIVING SHORELINE SECTIONS
8	S-101	RIVERWALK UNDERPASS PLAN AND SECTION
9	S-102	FLOATING DOCK PLAN
10	S-301	TYPICAL DOCK AND TRANSITION AREA SECTIONS
11	S-501	FLOATING DOCK DETAILS
12	S-502	GANGWAY DETAILS



SOURCE: GOOGLE

LOCATION PLAN
N.T.S.

PREPARED BY:

moffatt & nichol
501 E KENNEDY BLVD
SUITE 1910
TAMPA, FL 33602
813-258-8818
LIC: EB-0004877

23-044

PREPARED FOR:

RELATED
2850 TIGERTAIL AVE.
SUITE 800
MIAMI, FL 33133
(305) 460-9900

Nicole M Shaw

Digitally signed by Nicole M Shaw
Date: 2023.04.05 13:24:18 -04'00'

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

This item has been electronically signed and sealed by Nicole M Shaw, PE using a Digital Signature and date. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

RIVERWALK DISTRICT WATERFRONT

137

COVER SHEET

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

moffatt & nichol

Rev. —
Date: 2023-03-29
M&N Project No. 230222
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)
Designed by: TC
Drawn by: CML
Cad by: BES
Reviewed by: NMS
Submitted by: NICOLE SHAW, PE MOFFATT & NICHOL

NICOLE M SHAW LICENSE No 78839 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL

Sheet Reference No.
G-001
INDEX: 1 OF 12

File: C:\TAU\2022\230222 CADD_Active_waterfront permit\230222_G-001 : Plotted: 4/4/2023 11:09 AM by LLOYD, CHRIS ; Saved: 3/29/2023 11:57 AM by CLLOYD

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS", DIVISION I "GENERAL REQUIREMENTS AND COVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2022 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
2. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
4. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
6. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
7. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
8. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
9. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.
10. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
11. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITY.
12. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
14. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY, SECURITY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT OSHA AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND OSHA TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND OWNER WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.
15. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
16. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS)TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE CITY AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
17. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS.
18. THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
19. IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE, THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
20. SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

SURVEY NOTES

1. ELEVATIONS SHOWN HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. HORIZONTAL COORDINATES ARE IN FEET AND REFERENCED TO FLORIDA STATE PLANE WEST ZONE (NAD 83).
3. UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
4. THE TIDAL DATUM RELATIONSHIP BASED ON FL NOAA VDATUM SOFTWARE, STATION 872-6693, HILLSBOROUGH RIVER ENTRANCE, FLORIDA.

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
MHHW	+ 1.06 FEET
MHW	+ 0.81 FEET
NAV88	0.00 FEET
MSL	- 0.16 FEET
MLW	-1.14 FEET
MLLW	-1.47 FEET

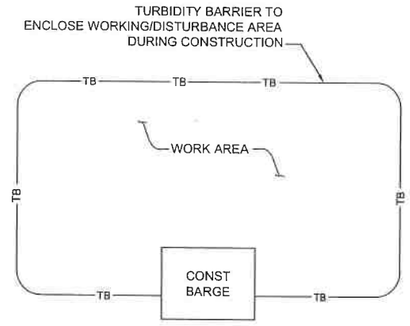
5. HYDROGRAPHIC SURVEY BY GEORGE F. YOUNG, DATED JUNE 9, 2022 AND IS ONLY INDICATIVE OF THE CONDITIONS EXISTING AT THAT TIME.
6. SITE SURVEY BY GEOPOINT SURVEYING, INC. DATED DECEMBER 2021.
7. AQUATIC RESOURCE SURVEY BY BREEDLOVE, DENNIS, AND ASSOCIATES DATED SEPTEMBER 2022.

WATER QUALITY MONITORING PLAN

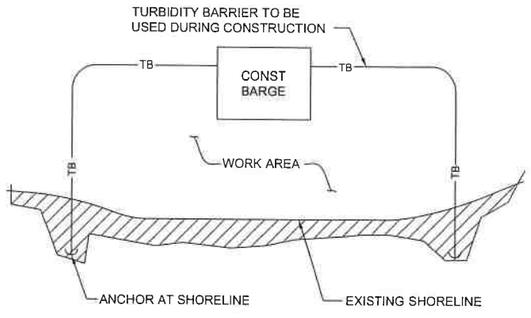
1. WATER QUALITY MONITORING WILL BE CONDUCTED FOR TURBIDITY DURING DREDGING ACTIVITIES AT THREE TEST STATIONS: 1) BACKGROUND, 2) COMPLIANCE, AND 3) MIXING ZONE. THE BACKGROUND STATION SHALL BE LOCATED UPSTREAM OF THE PROJECT AREA OUTSIDE OF THE MIXING ZONE AND ANY TURBIDITY GENERATED BY DREDGING ACTIVITIES. THE COMPLIANCE STATION SHALL BE LOCATED OUTSIDE THE MIXING ZONE AND TURBIDITY BARRIERS DOWNDRIFT OF THE PROJECT AND IN THE DENSEST PORTION OF ANY VISIBLE TURBIDITY PLUME. THE MIXING ZONE STATION SHALL BE LOCATED INSIDE THE LIMITS OF THE MIXING ZONE AND THE TURBIDITY BARRIERS.
2. SHOULD THE COMPLIANCE TURBIDITY EXCEED THE BACKGROUND TURBIDITY BY 29 NEPHELOMETRIC TURBIDITY UNITS (NTU), WORK SHALL CEASE AND THE OWNER WILL BE NOTIFIED IMMEDIATELY. OPERATIONS SHALL NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS.
3. TESTING WITHIN THE LIMITS OF THE MIXING ZONE WILL BE CONDUCTED TO VERIFY COMPLIANCE WITH THE GREATER OF BACKGROUND AND STATE WATER QUALITY STANDARDS PRIOR TO REMOVAL OF THE TURBIDITY BARRIERS. ONCE DREDGING OPERATIONS ARE COMPLETE AND COMPLIANCE AT THE MIXING ZONE STATION IS MET, TESTING AT THE MIXING ZONE STATION MAY BE SUSPENDED.
4. WATER QUALITY TESTING SHALL OCCUR TWICE DAILY DURING DREDGING, AT LEAST FOUR HOURS APART, AT ALL THREE STATIONS UNTIL THE MIXING ZONE STATION IS IN COMPLIANCE FOR TURBIDITY. SAMPLES SHALL BE COLLECTED AT TWO FEET ABOVE THE MUDLINE AND TWO FEET BELOW THE WATER SURFACE AT EACH STATION AND SHALL BE ANALYZED WITHIN 30 MINUTES OF COLLECTION. THE ANALYZED DATA SHALL BE DOCUMENTED AND REPORTED TO THE APPROPRIATE REGULATORY AGENCIES WITHIN SEVEN DAYS AFTER COMPLETION OF EACH TEST. MONITORING REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION:
   - A. PERMIT NUMBER
   - B. DATES OF SAMPLING AND ANALYSIS
   - C. STATEMENT DESCRIBING METHODS USED IN COLLECTION, HANDLING, STORAGE, AND ANALYSIS OF THE SAMPLES
   - D. MAP INDICATING SAMPLE LOCATIONS
   - E. STATEMENT BY INDIVIDUAL RESPONSIBLE FOR THE IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA
   - F. CONSTRUCTION ACTIVITIES
5. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE:
   - A. TIME OF DAY
   - B. DEPTH OF WATER BODY
   - C. DEPTH OF SAMPLE
   - D. ANTECEDENT WEATHER CONDITIONS
   - E. TIDAL STAGE AND DIRECTION OF FLOW
   - F. WIND DIRECTION AND VELOCITY
6. IF MONITORING REVEALS WATER QUALITY LEVELS AT THE COMPLIANCE STATION IN EXCESS OF THE GREATER OF THE BACKGROUND STATION LEVELS AND THE STATE STANDARDS, DREDGING ACTIVITIES SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TEST RESULTS HAVE RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED IN ACCORDANCE WITH THE PERMIT CONDITIONS.
7. SWFWMD-APPROVED FLOCCULANTS MAY BE USED TO ENHANCE SETTLING OF DREDGED MATERIAL SOLIDS.

ENVIRONMENTAL NOTES

1. TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



PLAN - OFF SHORE

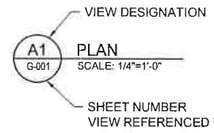


PLAN - ALONG SHORE

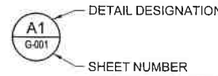
DETAIL - TURBIDITY CONTROL BARRIER

ABBREVIATIONS

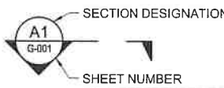
CL	= CENTERLINE
DBL	= DOUBLE
EA	= EACH
EL	= ELEVATION
EMBED	= EMBEDMENT
EQ	= EQUAL
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
GALV	= GALVANIZED
LG	= LONG
MAX	= MAXIMUM
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MIN	= MINIMUM
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
P/C	=PRECAST CONCRETE
PL	= PLATE
SPA	= SPACES
SS	= STAINLESS STEEL
TYP	= TYPICAL
UON	= UNLESS OTHERWISE NOTED
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
Ø	= DIAMETER



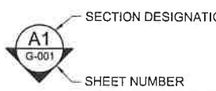
VIEW TITLE



DETAIL CALLOUT



SECTION CALLOUT



ELEVATION VIEW

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

Rev	Description	Date	Appr
1		2023-03-29	

RIVERWALK DISTRICT WATERFRONT

GENERAL NOTES AND ABBREVIATIONS

138

Designed by: TC
Drawn by: CML
Checked by: BES
Reviewed by: KMS
Submitted by: NICOLE SHAW, PE MOFFATT & NICHOL
MJ&N Project No. 220222
Drawing code:
Drawing Scale:
Plot scale: 1:1 (10 SHEET)

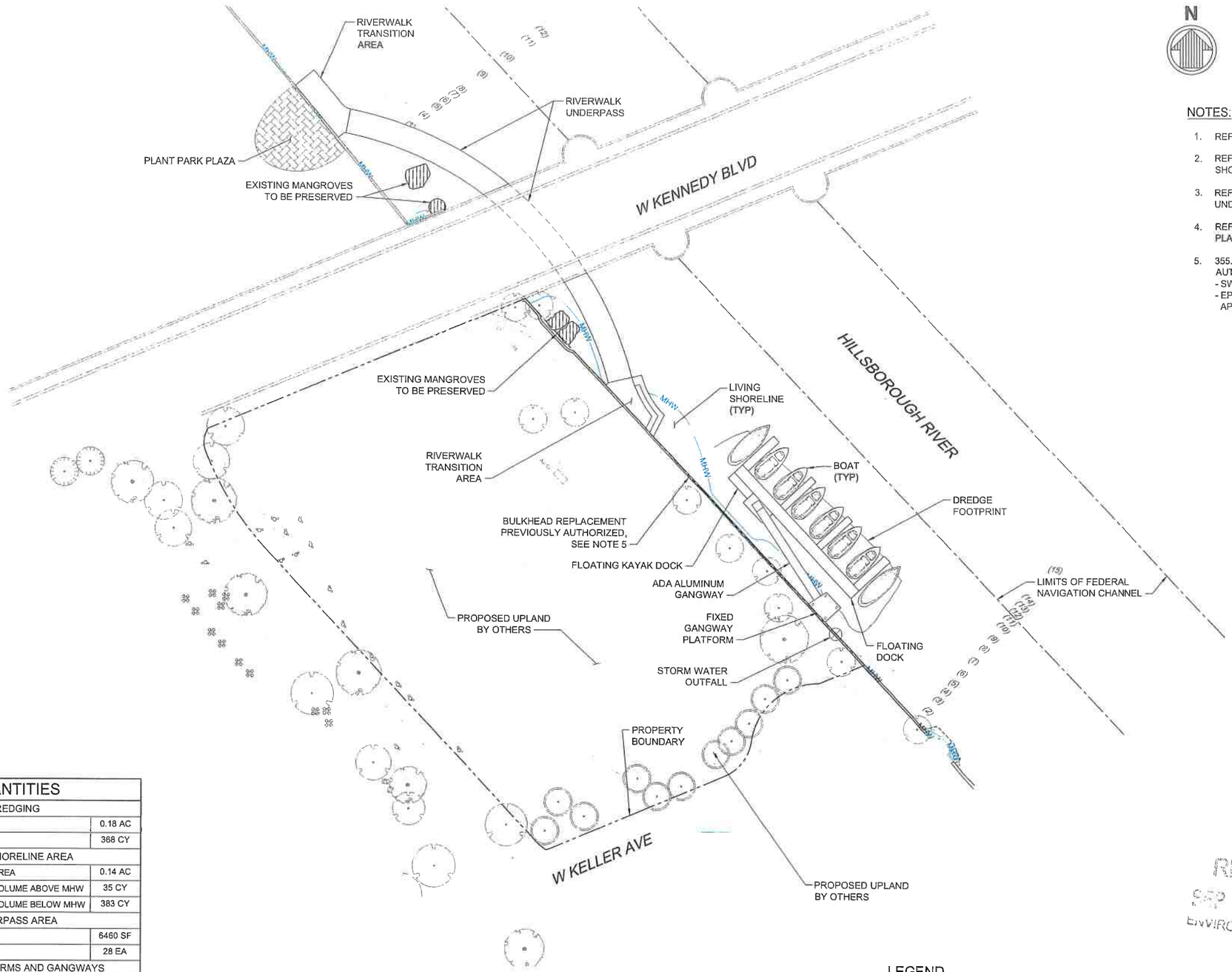
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

SEAL

Sheet Reference No.
G-002

INDEX: 2 OF 12

File: G:\TA\220222\20 CADD_Active_waterfront permit\220222_G-002.; Plotted: 4/4/2023 11:06 AM by LLOYD, CHRIS; Saved: 3/29/2023 10:27 AM by CLLOYD



N

NOTES:

1. REFER TO C-101 FOR DREDGING PLAN.
2. REFER TO C-102 FOR LIVING SHORELINE PLAN.
3. REFER TO S-101 FOR RIVERWALK UNDERPASS PLAN.
4. REFER TO S-102 FOR FLOATING DOCKS PLAN.
5. 355.5 LF OF BULKHEAD REPLACEMENT AUTHORIZED UNDER:
   - SWFWMD EXEMPTION FILE NO. 858700.
   - EPC MINOR WORK PERMIT APPLICATION NO. 76094.

QUANTITIES	
DREDGING	
DREDGE AREA	0.18 AC
DREDGE VOLUME	368 CY
LIVING SHORELINE AREA	
LIVING SHORELINE FILL AREA	0.14 AC
LIVING SHORELINE FILL VOLUME ABOVE MHW	35 CY
LIVING SHORELINE FILL VOLUME BELOW MHW	383 CY
UNDERPASS AREA	
FIXED UNDERPASS AREA	6460 SF
UNDERPASS PILES	28 EA
DOCKS, PLATFORMS AND GANGWAYS	
FLOATING DOCK AREA	1953 SF
GANGWAY AREA	486 SF
FIXED GANGWAY PLATFORM AREA	245 SF
DOCK GUIDE PILES	12 EA
PLATFORM PILES	4 EA

LEGEND

- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- MHW MEAN HIGH WATER LINE
- STORM WATER OUTFALL

40' 0' 40' 80'

SCALE: 1"=40'

PERMIT DRAWINGS
ISSUED: 2023-03-29

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

RELATED

Mark	Description	Date	Appr

RIVERWALK DISTRICT WATERFRONT

GENERAL ARRANGEMENT PLAN

139

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Designed by:	TC
Drawn by:	CWL
Reviewed by:	NWS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Date:	2023-03-29
Dsgn by:	BES
M&N Project No.	220222
Drawing date:	
Drawing Scale:	
Plot scale:	1:1 (0 SHEET)
Rev:	—

SEAL

Sheet Reference No.
G-101
INDEX: 3 OF 12

File: Q:\TA\220222\00 CADD_Active_waterfront permit\220222_G-101 ; Plotted: 1/4/2023 11:07 AM by LLOYD, CHRIS ; Saved: 3/31/2023 3:26 PM by CLLOYD



N

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- 4.50' SPOT ELEVATION AT TOP OF EXISTING BULKHEAD
- MHW MEAN HIGH WATER LINE
- MANGROVE CANOPY

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

40' 0' 40' 80'
SCALE: 1"=40'

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

No.	Description	Date

RIVERWALK DISTRICT WATERFRONT

EXISTING CONDITIONS PLAN

1401

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

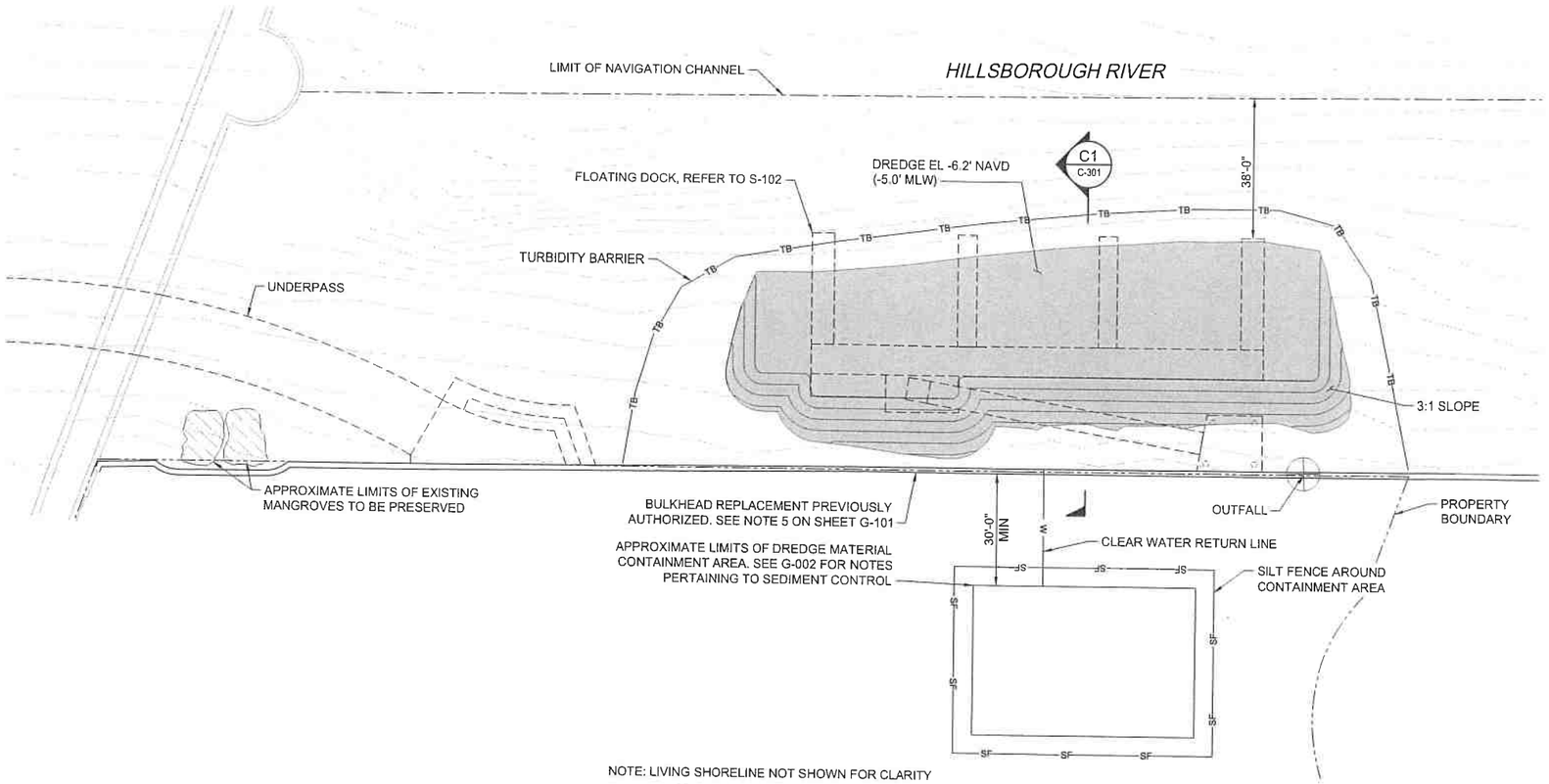
moffatt & nichol

Designed by:	TC
Drawn by:	CML
Reviewed by:	NMS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Rev:	—
Date:	2023-03-29
Cad by:	RES
M&N Project No.	220222
Drawing code:	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)

SEAL

Sheet
Reference No.
V-101
INDEX: 4 OF 12

File: G:\TA\220222\0 CADD_Active_waterfront permit\220222_V-101 - Plotted: 4/4/2023 11:07 AM by: LLOYD, CHRIS - Saved: 3/30/2023 9:49 AM by: CLLOYD



B2 / C-101 DREDGING PLAN
SCALE: 1"=20'

NOTES:

1. LOCATION AND FINAL DIMENSIONS OF CONTAINMENT AREA IS APPROXIMATE. CONTRACTOR TO CONFIRM LOCATION AND FINAL DIMENSIONS ON-SITE BASED ON UPLAND AVAILABILITY AND DREDGING RATES.
2. DREDGED MATERIAL WILL BE PLACED ON SITE IN CONTAINMENT AREA AND REUSED AS BACKFILL ON SITE. MAXIMUM STACKING HEIGHT FOR CONTAINMENT AREA IS 10 FEET.
3. MAXIMUM ALLOWABLE OVERDREDGE DEPTH IS 1'-0".
4. REFER TO SHEET G-101 FOR QUANTITIES.

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- APPROXIMATE DREDGE AREA
- TB TURBIDITY BARRIER
- SF SILT FENCE
- W CLEAR WATER RETURN LINE

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2023-03-29

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT.

23-044

RELATED

Mark	Description	Date	App'r

RIVERWALK DISTRICT WATERFRONT

141 DREDGING PLAN

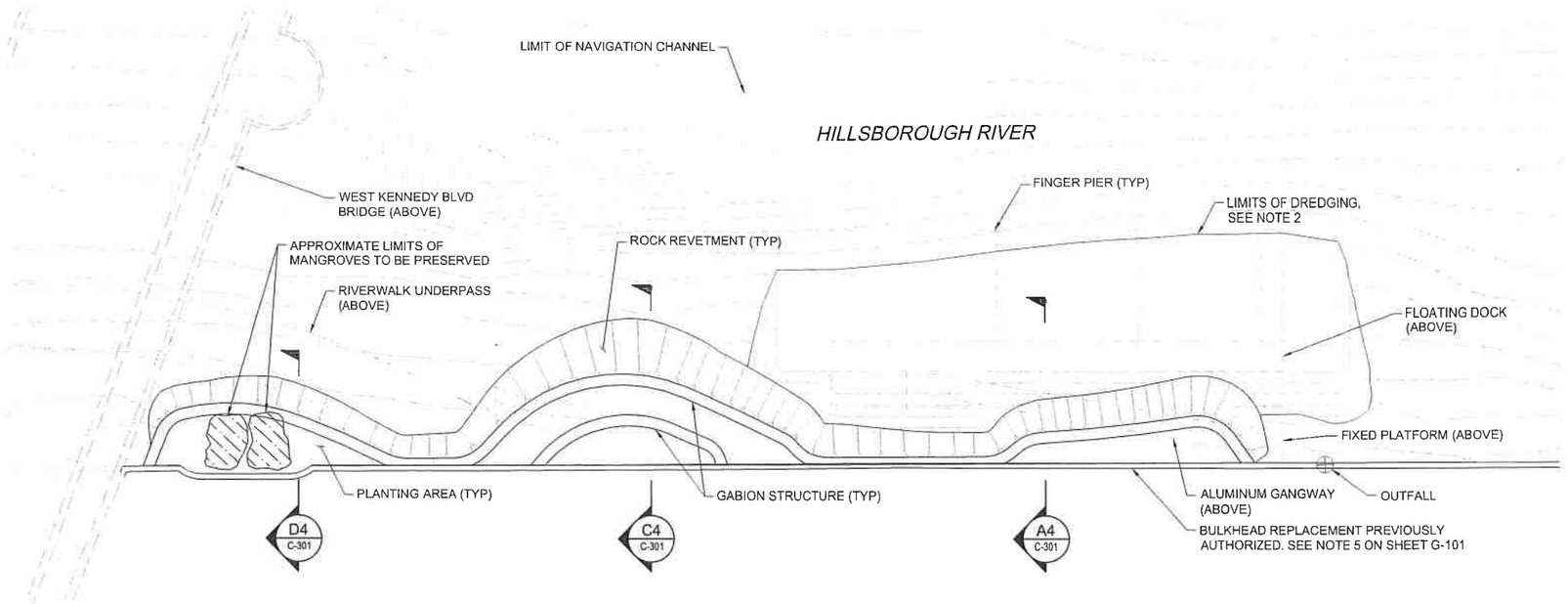
Designed by: TC
Drawn by: CML
Reviewed by: NMS
Submitted by: NICOLE SHAW, PE MOFFATT & NICHOL
Date: 2023-03-29
Rev: —
M&N Project No: 220222
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

SEAL

Sheet Reference No.
C-101
INDEX: 5 OF 12

File: G:\TA\220222\20 CADD_Active_waterfront permit\220222_C-101 - Plotted: 4/4/2023 11:09 AM by LLOYD, CHRIS - Saved: 3/30/2023 3:37 PM by CLLOYD



B2 / C-102 LIVING SHORELINE PLAN
SCALE: 1"=20'

N

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.
2. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.

LEGEND

- (8) CONTOUR LINE
- MHW MEAN HIGH WATER LINE
- NAVIGATION CHANNEL LINE

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2023-03-29

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

RELATED

Mark	Description	Date	App'r

RIVERWALK DISTRICT WATERFRONT

LIVING SHORELINE PLAN

142

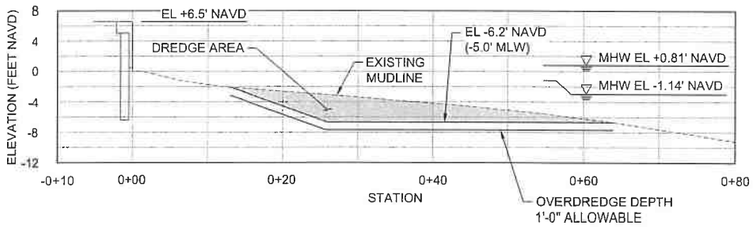
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004977
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Designed by:	TC
Drawn by:	CML
Qcd by:	BES
Reviewed by:	NMS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Date:	2023-03-29
Rev:	—
M&N Project No.	230222
Drawing code:	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)

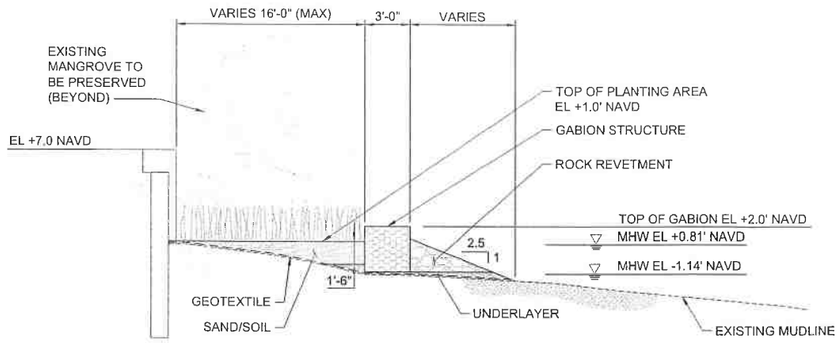
SEAL

Sheet Reference No.
C-102
INDEX: 6 OF 12

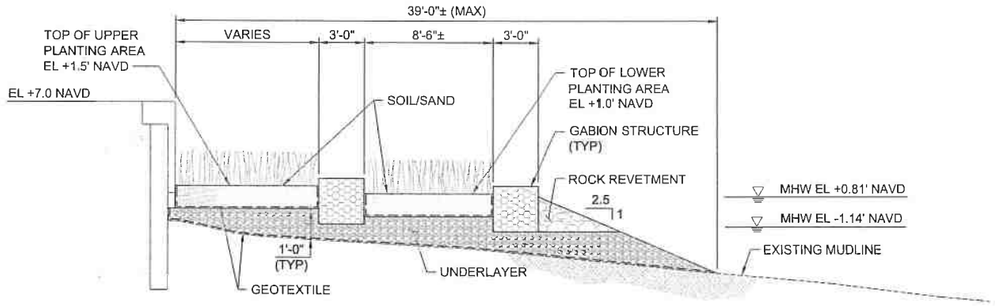
File: Q:\TA\230222\20 CADD_Active_waterfront permit\230222_C-102 - Plotted: 4/4/2023 11:10 AM by: LLOYD, CHRIS - Saved: 3/30/2023 12:26 PM by: CLLOYD



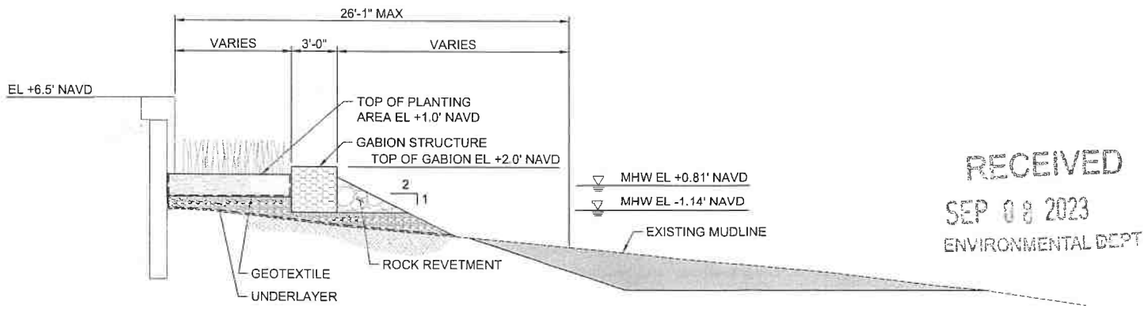
C1 C-101 DREDGING SECTION
SCALE: 1"=10'



D4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'



C4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'



A4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'

LEGEND

- SAND/SOIL
- UNDERLAYER
- GABION STRUCTURE
- ROCK REVETMENT
- EXISTING GROUND
- DREDGE AREA

23-044

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

5' 0' 5' 10'
SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

No.	Description	Date
—		2023-03-29

RIVERWALK DISTRICT WATERFRONT

DREDGING AND LIVING SHORELINE SECTIONS

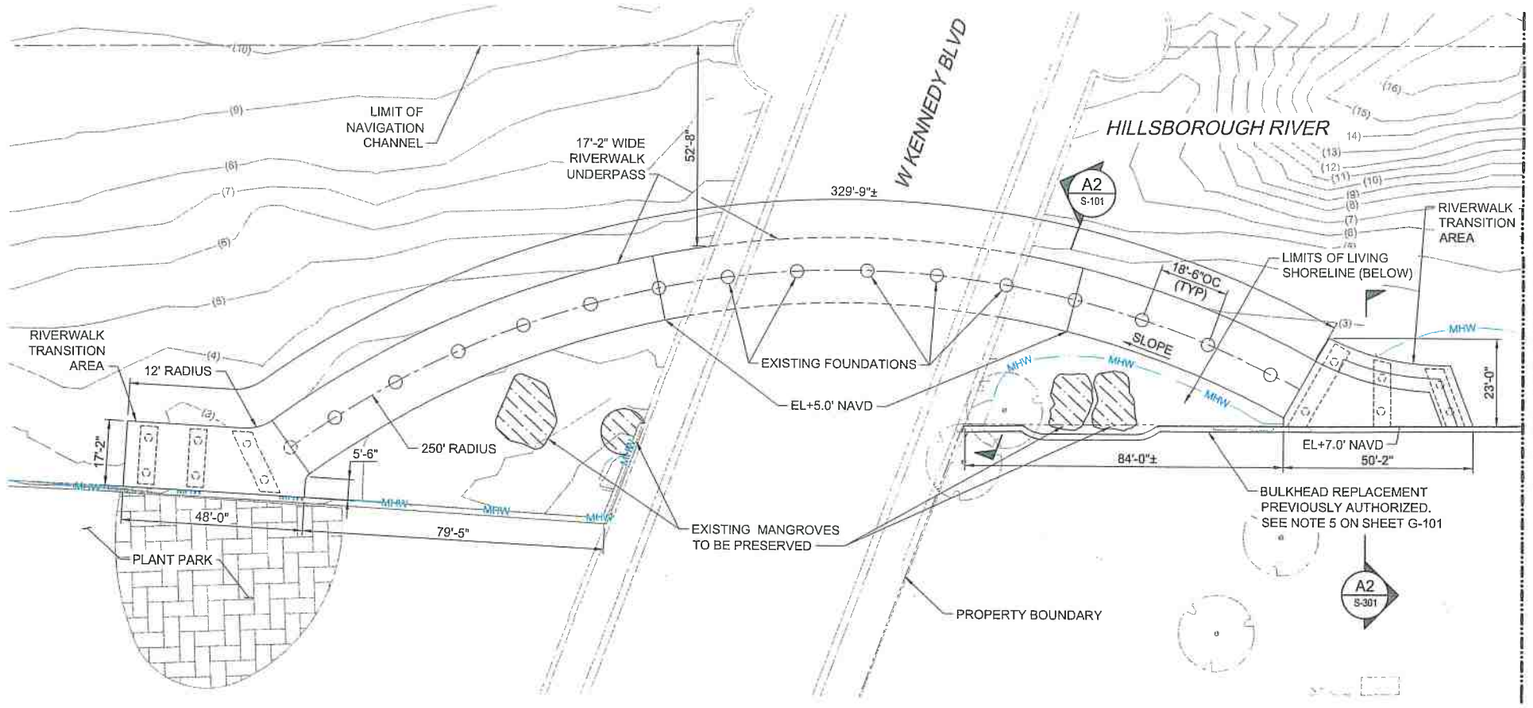
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Designed by:	TC
Drawn by:	CML
Cad by:	BES
Reviewed by:	NMS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Date:	2023-03-29
M&N Project No.	220222
Drawing code:	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)

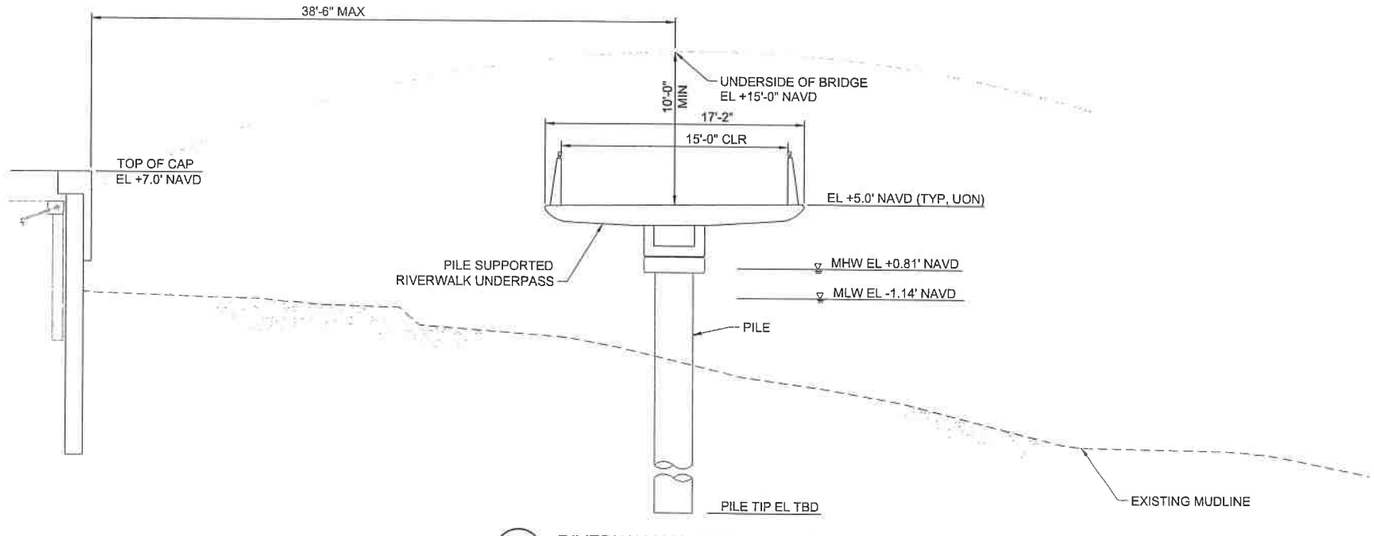
SEAL

Sheet Reference No.
C-301
INDEX: 7 OF 12

File: C:\TA\220222\20 CADD_Active_waterfront permit\220222_C-301.; Plotted: 4/4/2023 11:11 AM by LLOYD, CHRIS ; Saved: 3/30/2023 12:15 PM by: CLLOYD



C2 G-101 RIVERWALK UNDERPASS PLAN
SCALE: 1"=20'



A2 S-101 RIVERWALK UNDERPASS SECTION
SCALE: 1"=5'

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- MANGROVE CANOPY
- PILE

5' 0' 5' 10'
SCALE: 1"=5'

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

Mark	Description	Date

RIVERWALK DISTRICT WATERFRONT

RIVERWALK UNDERPASS PLAN AND SECTION

14

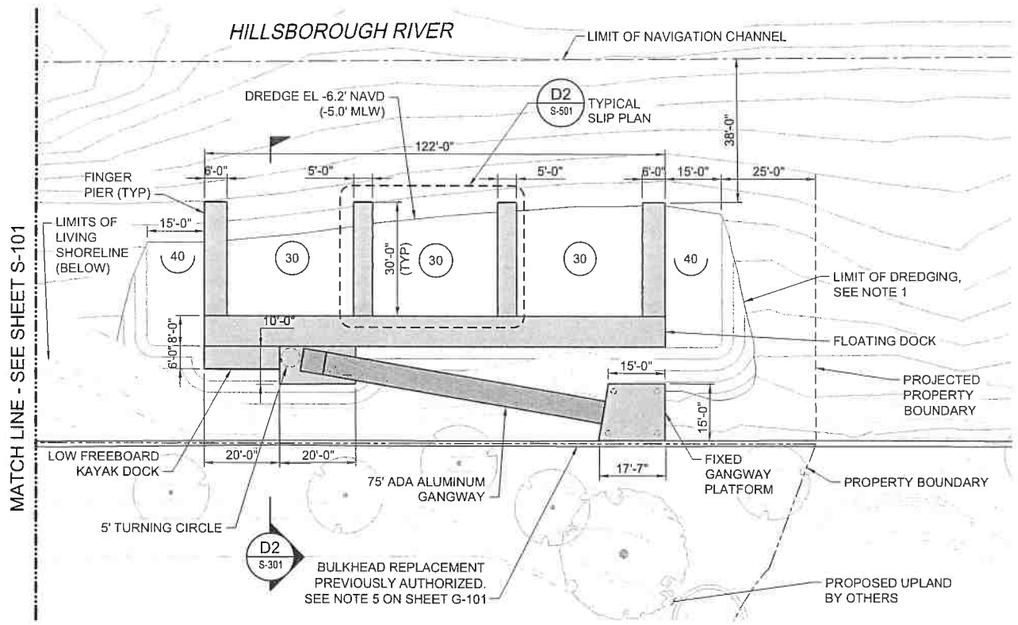
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Rev:	—
Date:	2023-03-29
M&N Project No.	220222
Designed by:	TC
Dwn by:	CML
Chd by:	BES
Drawing code:	
Reviewed by:	NMS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Drawing Scale:	
Plot scale:	1:1 (D SHEET)

SEAL

Sheet Reference No.
S-101
INDEX: 8 OF 12

File: C:\TA\220222\20 CADD_Active_waterfront permit\220222_S-101.; Plotted: 4/4/2023 11:20 AM by: LLOYD, CHRIS.; Saved: 4/4/2023 11:19 AM by: CLLOYD



B2 G-101 FLOATING DOCK PLAN
SCALE: 1"=20'

NOTES:

1. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.

SLIP MIX	
SIZE	NO.
30'	6
40'	2
TOTAL	8

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- (30) DOUBLE SLIP + SIZE
- (40) SIDE-TIE SLIP + SIZE

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2023-03-29

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

RELATED

Mark	Description	Date	Appr

RIVERWALK DISTRICT WATERFRONT

FLOATING DOCK PLAN

145

Rev	---
Date	2023-03-29
M&N Project No.	220222
Drawing code	
Drawing Scale	1:1 (D SHEET)
Plot scale	1:1
Designed by:	TC
Drawn by:	CML
Qual by:	BES
Reviewed by:	NMS
Submitted by	NICOLE SHAW, PE MOFFATT & NICHOL

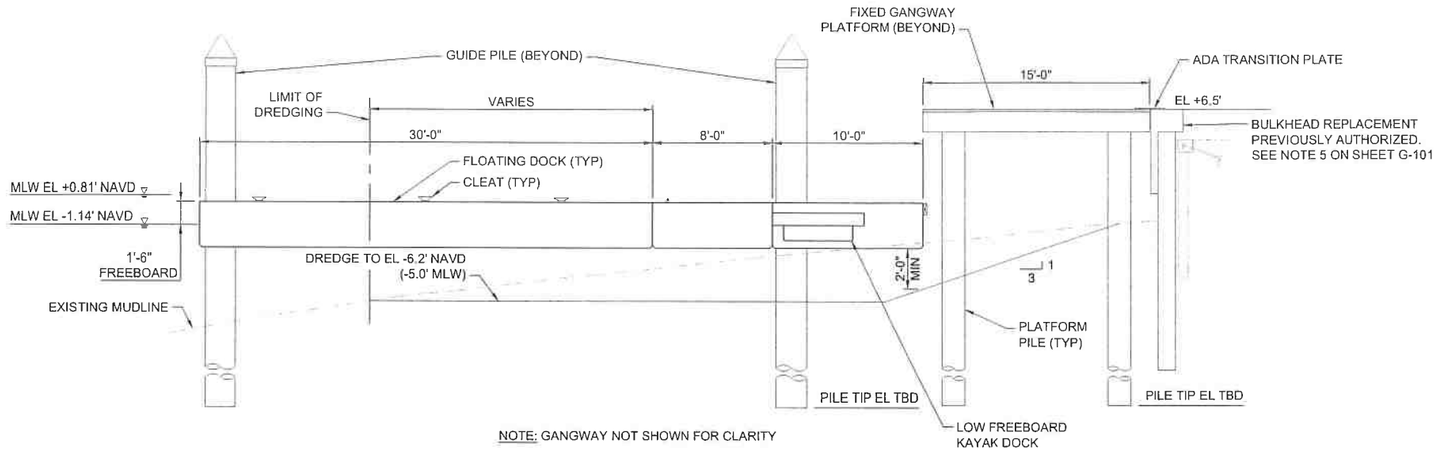
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

SEAL

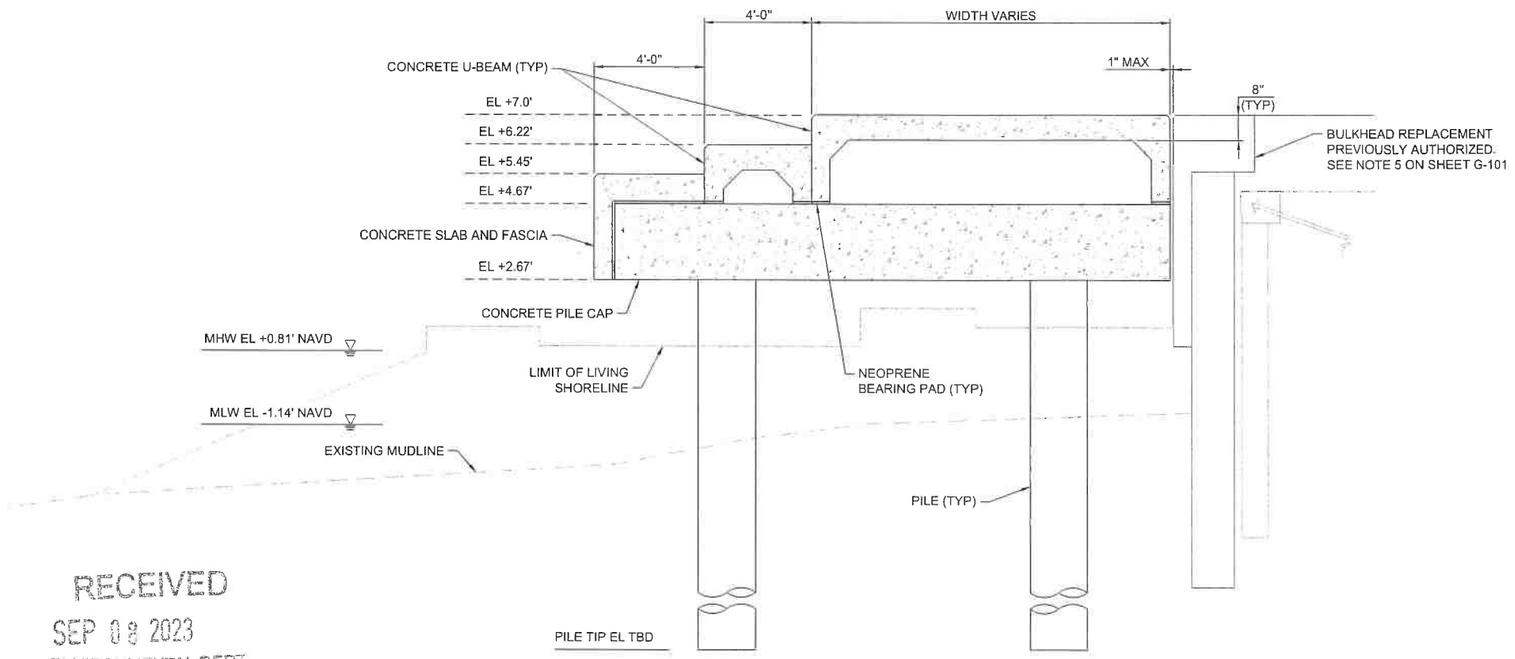
Sheet
Reference No.
S-102
INDEX: 9 OF 12

File: O:\TA\220222\20 CADD_Active_waterfront permit\220222_S-102 - Plotted: 4/4/2023 11:13 AM by LLOYD, CHRIS - Saved: 4/4/2023 10:56 AM by CLLOYD

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING



D2 / S-102 FLOATING DOCK SECTION
SCALE: 1"=5'



NOTE: SAFETY RAILING NOT SHOWN, TYPE TO BE SPECIFIED BY ARCHITECTURAL DRAWINGS

A2 / S-101 RIVERWALK TRANSITION SECTION
SCALE: 1/2"=1'-0"

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

5' 0' 5' 10'
SCALE: 1"=5'

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

PERMIT DRAWINGS
ISSUED: 2023-03-29

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RELATED

Rev.	Date	Description	Mark	Appr

RIVERWALK DISTRICT WATERFRONT

TYPICAL DOCK AND TRANSITION AREA SECTIONS

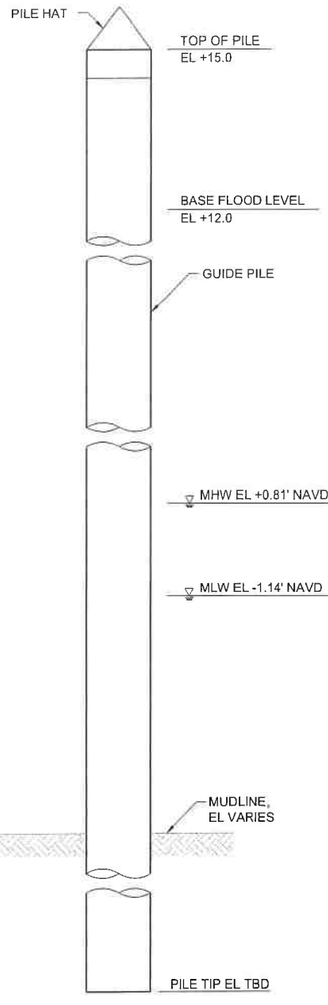
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-9816
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Designed by:	TC
Drawn by:	CML
Cad by:	BES
Reviewed by:	NMS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Date:	2023-03-29
M&N Project No.	220222
Drawing code	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)

SEAL

Sheet
Reference No.
S-301
INDEX: 10 OF 12

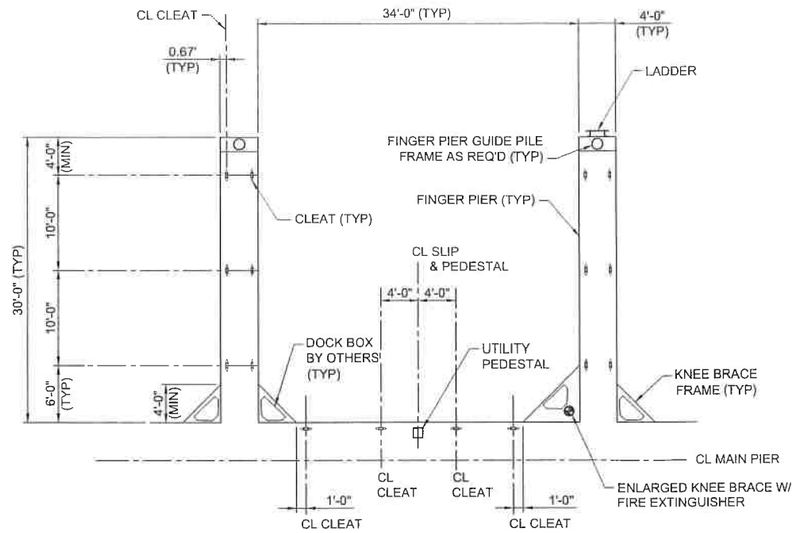
File: O:\TA\220222\00 CADD_Active_waterfront permit\220222_S-301 - Plotted: 4/4/2023 11:14 AM by LLOYD, CHRIS - Saved: 4/4/2023 10:59 AM by CLLOYD



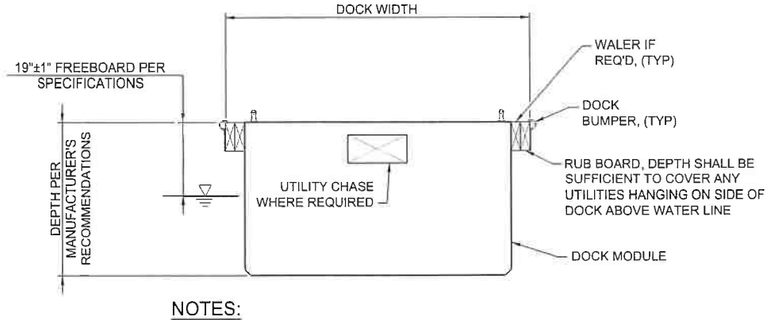
GUIDE PILE NOTE:

THE GUIDE PILE LENGTHS, NUMBERS, LOCATIONS, SIZE, AND WALL THICKNESS SHALL BE BASED ON THE PILE DESIGN REQUIREMENTS. DOCK MANUFACTURER'S ENGINEER OF RECORD SHALL DETERMINE THE SIZE, LENGTH AND LOCATIONS OF GUIDE PILES.

A1 / S-501 DETAIL - GUIDE PILE
SCALE: 3/4" = 1'-0"



D2 / S-102 TYPICAL SLIP PLAN
SCALE: 1/8" = 1'-0"



NOTES:

1. DOCK MODULE CONNECTION SYSTEM SHALL BE DETERMINED BY DOCK MANUFACTURER IN ACCORDANCE WITH SPECIFICATIONS.

A3 / S-501 SECTION - FLOATING DOCK
SCALE: 1/2" = 1'-0"

23-044

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

4' 0'-0" 4' 8'
SCALE: 1/4"=1'-0"

2' 0'-0" 2' 4'
SCALE: 1/2"=1'-0"

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

Mark	—	Description	—	Date	App'd

RIVERWALK DISTRICT WATERFRONT

FLOATING DOCK DETAILS

14

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-256-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Designed by: TC	Drawn by: CML	Checked by: RES	Reviewed by: NMS	Submitted by: NICOLE SHAW, PE MOFFATT & NICHOL

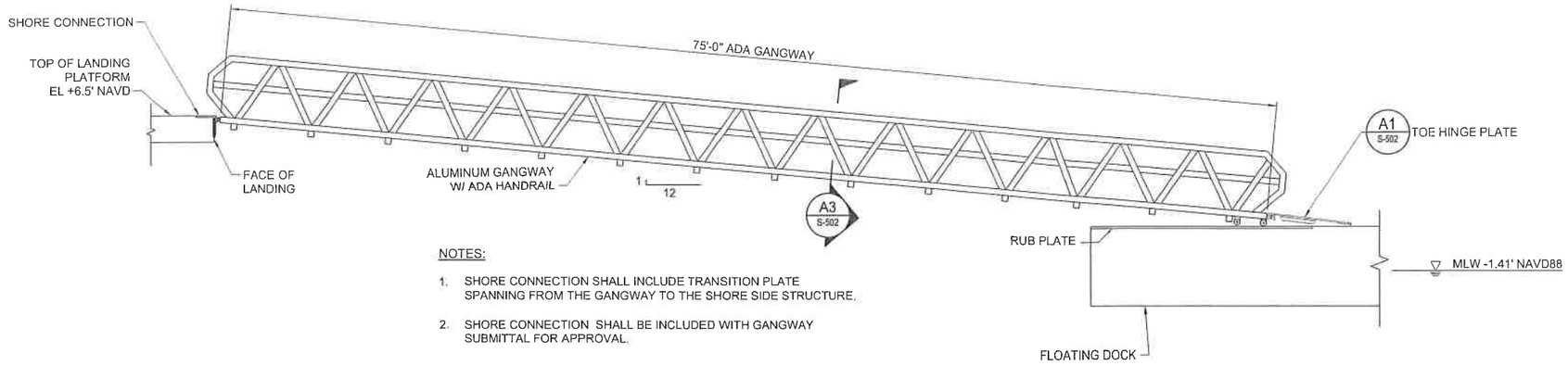
Date: 2023-03-29
M&N Project No. 220222
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)
Rev: —

SEAL

Sheet Reference No.
S-501
INDEX: 11 OF 12

File: Q:\TA\220222\20 CADD_Active_waterfront permit\220222_S-501 ; Plotted: 4/4/2023 11:15 AM by LLOYD, CHRIS ; Saved: 4/4/2023 11:03 AM by CLLOYD

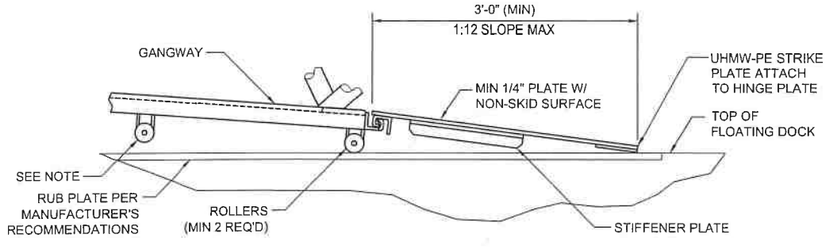
DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING



NOTES:

1. SHORE CONNECTION SHALL INCLUDE TRANSITION PLATE SPANNING FROM THE GANGWAY TO THE SHORE SIDE STRUCTURE.
2. SHORE CONNECTION SHALL BE INCLUDED WITH GANGWAY SUBMITTAL FOR APPROVAL.

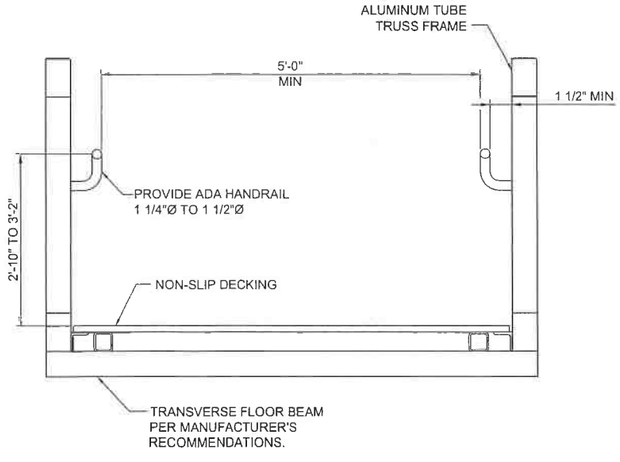
D1 S-102 ELEVATION - TYPICAL GANGWAY
SCALE: 1/4"=1'-0"



NOTE:

CONTRACTOR SHALL PROVIDE A SECONDARY ROLLER/SUPPORT TO ACCOMMODATE HIGH WATER EVENTS.

A1 S-502 DETAIL - TOE HINGE PLATE
SCALE: 3/4"=1'-0"



A3 S-502 SECTION - ALUMINUM GANGWAY
SCALE: 1"=1'-0"

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

2'-0" 0'-0" 1'-0" 2'-0"
SCALE: 3/4"=1'-0"

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

Rev.	Date	Description	Appr.
—			
1		Mark	

RIVERWALK DISTRICT WATERFRONT

148 GANGWAY DETAILS

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Designed by:	TC
Drawn by:	CML
Ckd by:	BES
Reviewed by:	NMS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Date:	2023-03-29
M&N Project No	220222
Drawing code:	
Drawing Scale.	
Plot scale:	1:1 (D SHEET)

SEAL

Sheet Reference No.
S-502
INDEX: 12 OF 12

File: Q:\TA\220222\220 CADD_Active_waterfront permit\220222_S-502, Plotted: 4/4/2023 11:16 AM by: LLOYD, CHRIS, Saved: 3/29/2023 11:54 AM by: CLLOYD

EXHIBIT 10

RESOURCE CHARACTERIZATION SURVEY REPORT BY BREEDLOVE, DENNIS & ASSOCIATES, INC.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

BDA

ENVIRONMENTAL CONSULTANTS

Tampa Riverwalk Project Site
Hillsborough County, Florida

RESOURCE (SEAGRASS/SUBMERGED AQUATIC VEGETATION) CHARACTERIZATION SURVEY

On September 13, 2022, Ms. Debra C. Rivera and Mr. Alex Griffel of Breedlove, Dennis, and Associates, Inc. completed a resource seagrass/submerged aquatic vegetation (SAV) characterization survey within the proposed development footprint (which includes the pedestrian underpass walkway and transition areas, the docking facility, the proposed dredging area, and the living shoreline) and within a 50-foot buffer of the proposed development for the Tampa Riverwalk project on the Hillsborough River in Hillsborough County, Florida. The purpose of the survey was to assess and document any seagrasses, SAV or essential fish habitat (EFH) located within the footprint of the proposed Tampa Riverwalk project and within a 50-foot buffer of the proposed development.

Methodology

The resource characterization survey was completed in accordance with the *Florida Fish and Wildlife Conservation Commission (FWC) Recommended Survey Protocols for Estuarine and Marine Submerged Aquatic Vegetation (SAV) related to Permitting Applications* dated December 14, 2011 and the National Marine Fisheries Service *Submerged Aquatic Vegetative Survey Guidelines*. The FWC methodology utilized for the survey included a total of 20 transects that were located approximately 20 feet apart and ran from the seawall east for approximately 100 feet toward the center of the Hillsborough River. A total of 40 one-meter-squared quadrats were completed with one quadrat at the beginning of each transect along the seawall and at the shallowest point of the transects, and another quadrat in the middle of each transect to quantitatively assess on-site resources. The transects and one meter-squared quadrats were recorded using a handheld Garmin Global Positioning System (GPS) unit. The survey was completed by one scientist snorkeling the transects and completing the benthic quadrats while the second scientist was located at the beginning of the transect recording the transect and quadrat locations with the GPS unit and taking qualitative and quantitative field notes. The transect and quadrat locations are depicted on an aerial photograph as Exhibit 1. Photographs from the benthic resource survey of the proposed Tampa Riverwalk project are included as Exhibit 2.

Results

During the resource survey on September 13, 2022, no seagrasses, SAV or EFH were observed within the footprint of the proposed development or within a 50-foot buffer of the proposed development. Therefore, no seagrasses, oligohaline grasses, attached macroalgae, or drift macroalgae were observed at the project site during our field survey. Four mangrove trees were recorded along the eastern shoreline. One black mangrove (*Avicennia germinans*) and one white mangrove (*Laguncularia racemose*) are located just south of the Kennedy Boulevard bridge on a spoil area. This spoil area including the black and white mangroves will be protected and incorporated into the proposed living shoreline. In addition, one red mangrove

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEP

BREEDLOVE, DENNIS & ASSOCIATES, INC.

☐ 330 W. Canton Ave. ~ Winter Park, FL 32789
Phone: 407-677-1882 ~ Fax: 407-657-7008

☐ 30 East Liberty St. ~ Brooksville, FL 34601
Phone: 352-799-9488 ~ Fax: 352-799-9588

23-044

(*Rhizophora mangle*) and one white mangrove are located just north of the Kennedy Boulevard bridge on a rocky outcropping. The red and white mangroves will be avoided and preserved.

The majority of the surveyed area included hard bottom with at least 2-3 inches of soft silt/sedimentation along the shallowest points along the seawall with some dead eastern oyster (*Crassostrea virginica*) shells. The silt and sedimentation increased eastward as the transects got deeper toward the channel. Debris, including ropes and pieces of wood/metal, were observed throughout the survey area.

There were no oyster reefs or colonized oyster beds located within the footprint of the proposed development or within a 50-foot buffer of the proposed development. We did note a minimal amount of loose, unattached dead eastern oyster shells with some live, uncolonized, eastern oysters and barnacles (*Balanus glandula*) along a minimal amount of transects adjoining the seawall.

The proposed development footprint (which includes the pedestrian underpass walkway and transition areas, the docking facility, the proposed dredging area, and the living shoreline) will not adversely affect any seagrasses, SAV or EFH.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

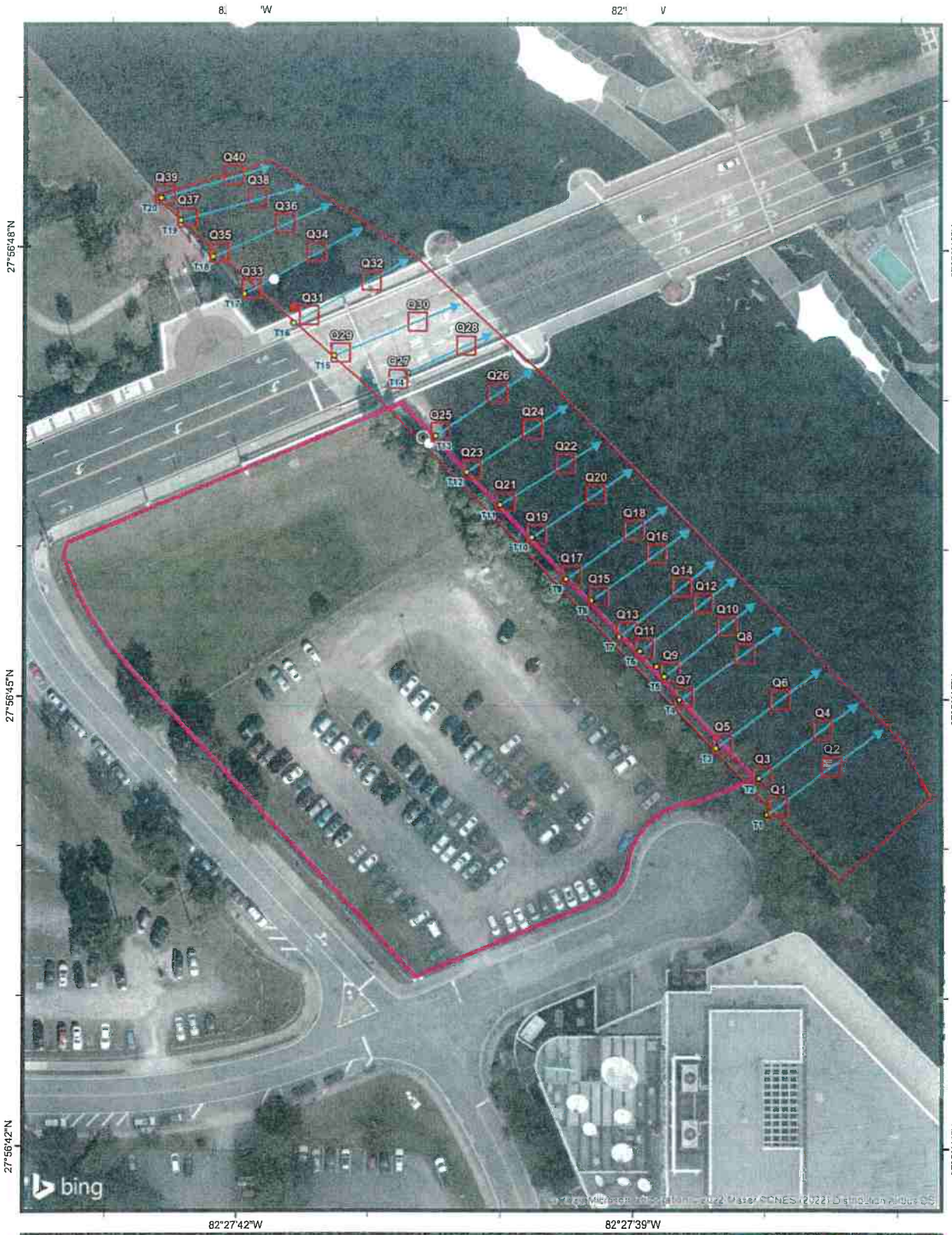
23-044

EXHIBIT 1

BENTHIC RESOURCE SURVEY RESULTS ON THE TAMPA RIVERWALK PROJECT SITE, HILLSBOROUGH COUNTY, FLORIDA

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044



Legend

- Parcel Boundary
- Approximate Boundary of Benthic Resource Survey
- Transects
- Quadrats (1m sq.)
- Black Mangrove
- Red Mangrove
- White Mangrove

Source: Breedlove, Dennis & Associates, Inc.; property boundary taken from Hillsborough County Property Appraiser.



EXHIBIT 1.
BENTHIC RESOURCE SURVEY RESULTS ON THE TAMPA RIVERWALK PROJECT SITE, HILLSBOROUGH COUNTY, FLORIDA.

BDA BREEDLOVE, DENNIS & ASSOCIATES, INC.
Environmental Consultants
330 W. Canton Ave., Winter Park, FL 32789 • 407-677-1882

CUT • 2/27/2023 • P:\VC\2022007\Base_Docs\ARCGIS\Banner_Survey.mxd

153

RECEIVED
SEP 08 2023
ENVIRONMENTAL PROT

23-044

EXHIBIT 2

PHOTOGRAPHS FROM THE BENTHIC RESOURCE SURVEY AT THE TAMPA RIVERWALK PROJECT SITE, HILLSBOROUGH COUNTY, FLORIDA

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

23-044

RECEIVED
SEP 08 2023
ENVIRONMENTAL REST



Facing South



Facing East



Facing Northeast



White mangrove south of the Kennedy bridge

Exhibit 2 – Photographs from the Benthic Resource Survey of the Tampa Riverwalk Project Site, Hillsborough County, Florida

23-044

156

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT



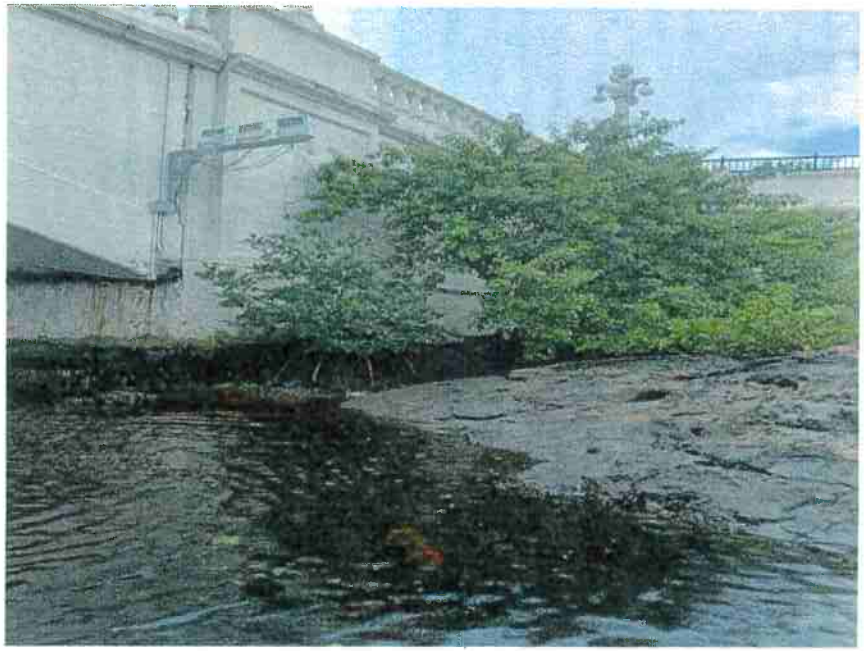
Black mangrove south of the Kennedy bridge



Spoil area south of the Kennedy bridge



Facing South toward the bridge



Red and small white mangroves south of the bridge waterward of the Brazilian pepper

Exhibit 2 – Photographs from the Benthic Resource Survey of the Tampa Riverwalk Project Site, Hillsborough County, Florida

EXHIBIT #2 - SWPA 23-044 - PUBLIC HEARING

DATE: October 20, 2023

TO: Breedlove, Dennis & Associates, Inc.
Attn: W. Michael Dennis, PhD / Debbie Rivera, M.S.
330 W. Canton Ave., Winter Park, FL 32789
(Via Email: mike@bda-inc.com / drivera@bda-inc.com)

FROM: Jackie Julien, PTB Environmental Department

PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602

PROJECT: **Minor Work Permit Application No.: 23-044 – RD RWD Tampa, LLC Trustee Proposed Maintenance Dredge +/- 368 CY of Material, Construction of 8 Slip Docking Facility; Living Shoreline, & Pedestrian Underpass for City of Tampa Riverwalk Located At 102 South Parker St., Tampa, FL; Folio #194704-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

REF: (a) TPA Submerged Lands Management Rules and Engineering Standards for Submerged Land Utility Crossing Addendum (Rules); (b) TPA/EPC Interlocal Agreement dated June 23, 2009

A cursory review of your Tampa Port Authority, d/b/a Port Tampa Bay (PTB), marine construction application has been completed per references (a) and (b), as described above. A detailed review of the application will be made in the near future and your application will be processed on a first in, first out basis. Please note that the time to process your permit is dependent on the completeness of your application as well as any unanticipated issues that may arise during the review. ***Please provide the incomplete information listed below in order to continue processing your application. Please submit the information to our office at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602.*** Please call the Environmental Department at 813-905-5033 with any questions or email bbaity@tamapaport.com or visit our website at www.porttb.com.

APPLICATION CHECK LIST

I. PTB Marine Construction Application # Assigned: 23-044

	Complete	Incomplete	Comments
II. PTB Application for marine construction	☐	☒	**Project Scope of Work = Standard Work. Need 1500' radius riparian (waterfront) property owner mailing labels. See PTB staff notes added on MWP appl.**
III. Project Site Plan Drawings provided for:			
▪ Structure/Structure Modification	☐	☒	**Revisions/ updates needed on plans. See attached PTB staff notes provided on drawing plan sheets.**
▪ Rip-rap/Seawall or Shoreline Protection (For Seawalls: Signed/sealed engineering drawings are required.)	☐	☐	N/A
▪ Maintenance or New Dredge/Fill	☐	☒	**Provide completed PTB Dredge Form**
▪ Utility Crossings	☐	☐	N/A
▪ Other: Living Shoreline	☐	☐	**Provide complete planting table**
IV. Property survey	☒	☐	
V. Application Review Fees:			
A. Marine Construction Review (TPA & EPC fees)	☐	☒	**Need 3 PTB SWP application review fees**
B. Other Review: Lease/Easement (Public or Private)	☐	☐	N/A

VI. Application Processing

☐ Forward to the EPC Wetlands Division for their delegated review on (DATE), per TPA/EPC Amended Interlocal Agreement dated 6/23/2009. Please contact their office at 813-627-2600 x1239.

☐ Retained by Port Tampa Bay Environmental Department for processing. (Reviewer: Jackie Julien / 813-905-5033 or 5031)
☐ PTB Real Estate Project Reviewer, if applicable (Reviewer: Cherie Robinson / 813-905-5147 / crobinson@tampaport.com)
Sovereign Submerged Lands Determination: *Under Review*

Copy: arturo@relatedgroup.com; ccooley@tampaport.com; bbaity@tampaport.com; crobinson@tampaport.com

PORT TAMPA BAY

ENVIRONMENTAL DEPARTMENT
1101 Channelside Dr. Tampa, FL 33602
Ph: (813) 905-5031 · Fax: (813) 905-5050
www.tampaport.com

MINOR WORK PERMIT APPLICATION TO PERFORM WORK IN WATERS OF THE HILLSBOROUGH COUNTY PORT DISTRICT

For Official Use Only: Application # | Date Received:

☒ NEW ☐ PERMIT REVISION ☐ AFTER-THE-FACT *WN#* _____

SECTION I

1. MINOR WORK PERMIT APPLICATION - Brief Project Description:

The Applicant is proposing a pedestrian underpass walkway under the Kennedy Street bridge, maintenance dredging along with a floating dock facility to serve a proposed multi-residential and commercial development, and to incorporate a living shoreline to restore the natural functions of the Hillsborough River in order to support the vision of the City of Tampa Riverwalk District.

2. PROPERTY OWNER / APPLICANT INFORMATION

☐ *Request to be present at site inspection*

First Name: Arturo Last Name: Pena
Company Name/Title: RD RWD Tampa LLC Trustee / Vice President
Mailing Address: 2850 Tigertail Avenue Suite 800
City: Miami State: Florida Zip Code: 33133
Telephone Number: (305) 970-8453
Email Address: arturo@relatedgroup.com

3. AUTHORIZED AGENT INFORMATION

☐ *Request to be present at site inspection*

First Name: W. Michael Last Name: Dennis, PhD & Debbie Rivera M.S.
Company Name/Title: Breedlove, Dennis, & Associates, Inc.
Mailing Address: 330 West Canton Avenue
City: Winter Park State: Florida Zip Code: 32789
Telephone Number: (407) 677-1882
Email Address: drivera@bda-inc.com / mike@bda-inc.com

4. CONTRACTOR INFORMATION

☐ *Request to be present at site inspection*

First Name: Matthew Last Name: Anderson
Company Name/Title: Bellingham Marine
Mailing Address: 1813 Dennis Street
City: Jacksonville State: Florida Zip Code: 32204
Telephone Number: (604) 358-3362
Email Address: manderson@bellingham-marine.com

SECTION II

1. LOCATION OF PROPOSED PROJECT

Site Street Address: 102 South Parker Street
City: Tampa State: Florida Zip Code: 33606
Folio Number(s): 194704-0000
Section: 24 Township: 29 S Range: 18 East
Name of Water Body at Project: Hillsborough River

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

2. **PROPOSED USE**

☐ Private Single-Family Dwelling ☒ Private Multi-Family Dwelling (Condominium, Apartment, etc.)
☒ Commercial ☐ Other (explain): _____

3. **OWNER OF SUBMERGED LANDS:** City of Tampa

☐ ***Leased Port Property or Port Easement*** *(Check box if applicable and attach information.)*

4. **PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:**

Permit Number(s): N/A Date: _____

5. **PROJECT DESCRIPTION**

NOTE: Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

A. STRUCTURES:

☒ NEW WORK ☒ MAINTENANCE ☐ ADDITION

1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK Applicant Shoreline = 355.45

a. Length of Shoreline: 583 (for project) Linear Ft.

b. Number of Proposed Docks: 1 No. of Boat Slips/Lifts: 8 / 0

c. Length from M/OHW to Waterward Edge of Structure: 62' 9" Ft.

d. Width of Structure: 465 Ft. Mooring Water Depth at M/OLW: -5.0' Ft.

e. Existing Structure Area: 0 Sq. Ft.

f. Proposed Structure Area: 9,144 Sq. Ft.

g. Overall Area of Facility: 9,144 Sq. Ft.

2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION:

a. Length of Shoreline at Site: 355 Linear Ft.

b. Length of Work Proposed along Shoreline: 295 Linear Ft.

c. Seawall Vertical Height: 6.5 - 7.0 Ft.

d. Rip-Rap Slope: Horizontal Distance: Max 39 Ft.; Vertical Height: 3.0 Ft.

e. Type of Material: Gabion structure with clean rock revetment

f. Volume: 10,341 Cubic Ft. Below MHW/OHW (+383 CY)

3) OTHER TYPE OF STRUCTURE: (Please Explain) Proposed Living Shoreline is described under Section 2.

For Utility Pipeline Projects: Refer to the Guidelines and Engineering Standards for Submerged Land Utility Crossing

B. DREDGING / EXCAVATION

☐ NEW WORK ☒ MAINTENANCE (+368 CY)

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED:

a. Length: Max 180 Ft. Width Max 60 Ft.; Total Area: 7,841 Sq. Ft.

b. Depths: Existing -2.0' NAVD ; Proposed -5.0' NAVD

c. Volume: Above MHW 0 ; Below MHW 9,936 CF ; Total 9,936 Cubic Ft.

d. Area: Above MHW 0 ; Below MHW 7,841 SF ; Total 7,841 Sq. Ft.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

97-044

2) TYPE OF MATERIAL: Clean sand

3) STORAGE OF MATERIAL: ☒ On-site Storage ☐ Off-site Disposal Site: _____

**If material is to be taken off-site, describe the method of material storage, haul routes, and specify the location with an attached Affidavit of Authorization from the disposal site's property owner, as applicable to the project.*

C. FILLING

1) VOLUME: Above MHW _____ ; Below MHW _____ ; Total _____ Cubic Ft.

2) AREA: Above MHW _____ ; Below MHW _____ ; Total _____ Sq. Ft.

3) CONTAINMENT: Seawall _____ Dikes _____ Other (explain): _____

4) TYPE OF MATERIAL: _____

5) SOURCE OF MATERIAL: ☐ On-site ☐ Off-site: _____

**Refer to the Fill Checklist for material sampling requirements and other applicable information.*

6. **WORK SCHEDULE:** To Begin Project On: 04/01/2024 And Be Completed By: 07/01/2024

REMARKS / COMMENTS FOR PROJECT:

The City of Tampa is to issue submerged land lease.

SECTION III

PROJECT SITE ADJACENT RIPARIAN PROPERTY OWNERS:
(Please include Name, Address, Telephone Number, and Email)

S. AP0

Tribune Company
Owner Name(s)

Tribune Company
Company Name/ Title

~~200 S Parker Street~~ 545 E. John Carpenter FWY, Ste 700
Mailing Address

~~Tampa, FL 33606-2308~~ Irving, TX 75062-3932
City; State; Zip Code

N/A
Telephone Number/Email

(@ 200 S. Parker St., Tampa, FL)

N. AP0

University of Tampa
Owner Name(s)

University of Tampa
Company Name/ Title

401 W Kennedy Blvd.
Mailing Address

Tampa, FL 33606-1490
City; State; Zip Code

N/A
Telephone Number/Email

(@ 429 W Kennedy Blvd, Tampa, FL)

RECEIVED
SEP 0 8 2023
ENVIRONMENTAL DEPT

SECTION IV

AFFIDAVIT OF OWNERSHIP OR CONTROL of the property on which the proposed project is to be undertaken
I CERTIFY THAT: (**Must Check the Appropriate Box**)

☒ I am the record owner, lessee, or record easement holder of the property described below.

☐ I am not the record owner, lessee, or record easement holder of the property described below, but I will have the requisite property interest before undertaking the proposed project. (Please Explain in Remarks/Comments Section)

LEGAL DESCRIPTION OF PROJECT PROPERTY: (Use additional sheets, if necessary)
Please see the enclosed survey dated 10/07/2021 for the sketch and legal description of the property .

Arturo F. Peña for the firm
Print Name of Owner/Applicant

Signature of Owner/Applicant

Sworn to and subscribed before me at Miami-Dade County, Florida
, this 23rd day of August 20 23

NATALIE PEREZ
Notary Public - State of Florida
Commission # HH 292151
My Comm. Expires Jul 25, 2026
Bonded through National Notary Assn.

Natalie Perez
Notary Public

7/25/26 .
My Commission Expires

SECTION V

CERTIFICATION & AUTHORIZATION:

a. I authorize the agent listed in Section I to negotiate modifications or revisions, when necessary, and accept or assent to any stipulations on my behalf.

b. I understand I may have to provide any additional information/ data that may be necessary to provide reasonable assurance of evidence to show that the proposed project will comply with applicable water quality standards or other environmental standards both before construction and after the project is completed.

c. In addition, I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of making preliminary analyses of the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work, if a permit is granted.

d. Further, I hereby acknowledge the obligation and responsibility for obtaining all of the local, state and federal permits before commencement of any activity.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate and complete. I further certify that I possess the authority to undertake the proposed activity.

for the firm
Signature of Owner/Applicant

8/23/2023
Date

NOTE: **This application must be signed** by the person who desires to undertake the proposed activity or by an authorized agent. If an agent is applying on behalf of the applicant who is not the property owner, **attach proof of authorization for the agent to bind the property owner.**

PLEASE SUBMIT COMPLETED APPLICATION, REQUIRED DRAWINGS, AND FEE(S) TO:
TAMPA PORT AUTHORITY
ATTN: ENVIRONMENTAL DEPARTMENT
1101 CHANNELSIDE DR.
TAMPA, FL 33602

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

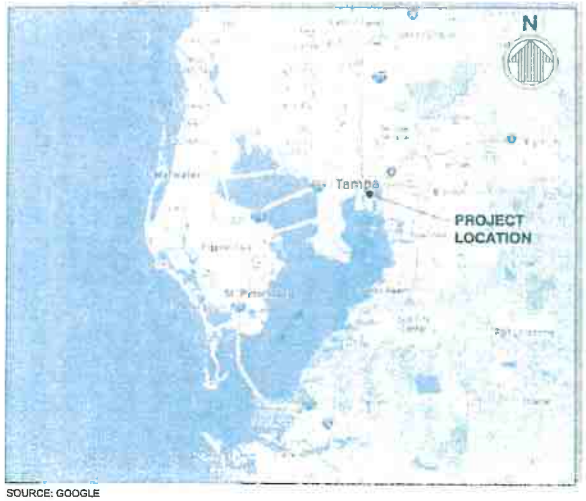
RIVERWALK DISTRICT WATERFRONT

SECTION 24, TOWNSHIP 29S, RANGE 18E

102 SOUTH PARKER STREET
TAMPA, FLORIDA 33606

- Missing trail Channel Jockey's Setback distance to Proposed Structures - Underpass distance needed

- Need Overall Site Plan of Property Border, Applicant's Studies Length, ADD marine names + ship. Site Address, & Riparian Setback Distances to proposed Structures



SOURCE: GOOGLE

VICINITY MAP
N.T.S.

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES AND ABBREVIATIONS
3	G-101	GENERAL ARRANGEMENT PLAN
4	V-101	EXISTING CONDITIONS PLAN
5	C-101	DREDGING PLAN
6	C-102	LIVING SHORELINE PLAN
7	C-301	DREDGING AND LIVING SHORELINE SECTIONS
8	S-101	RIVERWALK UNDERPASS PLAN AND SECTION
9	S-102	FLOATING DOCK PLAN
10	S-301	TYPICAL DOCK AND TRANSITION AREA SECTIONS
11	S-501	FLOATING DOCK DETAILS
12	S-502	GANGWAY DETAILS



SOURCE: GOOGLE

LOCATION PLAN
N.T.S.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

PREPARED BY:

moffatt & nichol
501 E KENNEDY BLVD
SUITE 1910
TAMPA, FL 33602
813-258-8818
LIC: EB-0004877

PREPARED FOR:

RELATED

2850 TIGERTAIL AVE.
SUITE 800
MIAMI, FL 33133
(305) 460-9900

Nicole M Shaw

Digitally signed by Nicole M Shaw
Date: 2023.04.05 13:24:18 -04'00'

This item has been electronically signed and sealed by Nicole M Shaw, PE using a Digital Signature and date. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-047

RELATED

RIVERWALK DISTRICT WATERFRONT

COVER SHEET

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.258.8818
REGISTRY NO. 0004877
WWW.MOFFATTNICHOL.COM

NICOLE M SHAW LICENSE No 78031 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL

Sheet Reference No.
G-001
INDEX: 1 OF 12

163

File: G:\TAM\33223\05 CAD\01_Archi_waterfront\permit\230222_C-001; Plotted: 4/4/2023 11:05 AM by LLOYD, CHRIS; Saved: 3/29/2023 11:51 AM by LLOYD

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS", DIVISION I "GENERAL REQUIREMENTS AND COVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2022 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
2. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
4. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
6. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND/OR OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
7. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
8. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
9. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.
10. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
11. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITY.
12. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
14. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY, SECURITY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT OSHA AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND OSHA TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND OWNER WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.
15. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
16. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS)TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE CITY AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
17. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS.
18. THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
19. IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE, THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
20. SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

23-044

SURVEY NOTES

1. ELEVATIONS SHOWN HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. HORIZONTAL COORDINATES ARE IN FEET AND REFERENCED TO FLORIDA STATE PLANE WEST ZONE (NAD 83).
3. UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
4. THE TIDAL DATUM RELATIONSHIP BASED ON FL NOAA VDATUM SOFTWARE, STATION 872-6693, HILLSBOROUGH RIVER ENTRANCE, FLORIDA.

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
MHHW	+ 1.06 FEET
MHW	+ 0.81 FEET
NAV88	0.00 FEET
MSL	- 0.16 FEET
MLW	-1.14 FEET
MLLW	-1.47 FEET

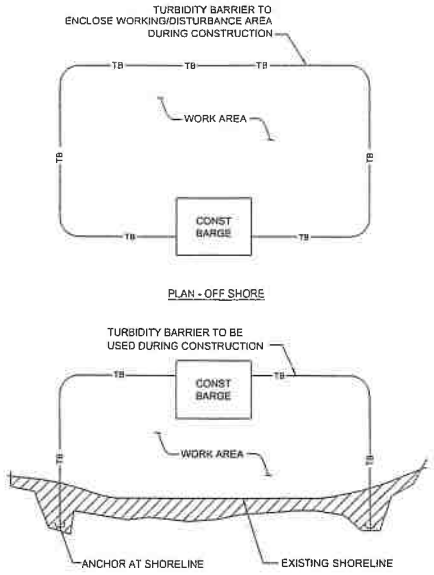
5. HYDROGRAPHIC SURVEY BY GEORGE F. YOUNG, DATED JUNE 9, 2022 AND IS ONLY INDICATIVE OF THE CONDITIONS EXISTING AT THAT TIME.
6. SITE SURVEY BY GEOPOINT SURVEYING, INC. DATED DECEMBER 2021.
7. AQUATIC RESOURCE SURVEY BY BREEDLOVE, DENNIS, AND ASSOCIATES DATED SEPTEMBER 2022.

WATER QUALITY MONITORING PLAN

1. WATER QUALITY MONITORING WILL BE CONDUCTED FOR TURBIDITY DURING DREDGING ACTIVITIES AT THREE TEST STATIONS: 1) BACKGROUND, 2) COMPLIANCE, AND 3) MIXING ZONE. THE BACKGROUND STATION SHALL BE LOCATED UPSTREAM OF THE PROJECT AREA OUTSIDE OF THE MIXING ZONE AND ANY TURBIDITY GENERATED BY DREDGING ACTIVITIES. THE COMPLIANCE STATION SHALL BE LOCATED OUTSIDE THE MIXING ZONE AND TURBIDITY BARRIERS DOWNDRIFT OF THE PROJECT AND IN THE DENSEST PORTION OF ANY VISIBLE TURBIDITY PLUME. THE MIXING ZONE STATION SHALL BE LOCATED INSIDE THE LIMITS OF THE MIXING ZONE AND THE TURBIDITY BARRIERS.
2. SHOULD THE COMPLIANCE TURBIDITY EXCEED THE BACKGROUND TURBIDITY BY 29 NEPHELOMETRIC TURBIDITY UNITS (NTU), WORK SHALL CEASE AND THE OWNER WILL BE NOTIFIED IMMEDIATELY. OPERATIONS SHALL NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS.
3. TESTING WITHIN THE LIMITS OF THE MIXING ZONE WILL BE CONDUCTED TO VERIFY COMPLIANCE WITH THE GREATER OF BACKGROUND AND STATE WATER QUALITY STANDARDS PRIOR TO REMOVAL OF THE TURBIDITY BARRIERS. ONCE DREDGING OPERATIONS ARE COMPLETE AND COMPLIANCE AT THE MIXING ZONE STATION IS MET, TESTING AT THE MIXING ZONE STATION MAY BE SUSPENDED.
4. WATER QUALITY TESTING SHALL OCCUR TWICE DAILY DURING DREDGING, AT LEAST FOUR HOURS APART, AT ALL THREE STATIONS UNTIL THE MIXING ZONE STATION IS IN COMPLIANCE FOR TURBIDITY. SAMPLES SHALL BE COLLECTED AT TWO FEET ABOVE THE MUDLINE AND TWO FEET BELOW THE WATER SURFACE AT EACH STATION AND SHALL BE ANALYZED WITHIN 30 MINUTES OF COLLECTION. THE ANALYZED DATA SHALL BE DOCUMENTED AND REPORTED TO THE APPROPRIATE REGULATORY AGENCIES WITHIN SEVEN DAYS AFTER COMPLETION OF EACH TEST. MONITORING REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION:
   - A. PERMIT NUMBER
   - B. DATES OF SAMPLING AND ANALYSIS
   - C. STATEMENT DESCRIBING METHODS USED IN COLLECTION, HANDLING, STORAGE, AND ANALYSIS OF THE SAMPLES
   - D. MAP INDICATING SAMPLE LOCATIONS
   - E. STATEMENT BY INDIVIDUAL RESPONSIBLE FOR THE IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA
   - F. CONSTRUCTION ACTIVITIES
5. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE:
   - A. TIME OF DAY
   - B. DEPTH OF WATER BODY
   - C. DEPTH OF SAMPLE
   - D. ANTECEDENT WEATHER CONDITIONS
   - E. TIDAL STAGE AND DIRECTION OF FLOW
   - F. WIND DIRECTION AND VELOCITY
6. IF MONITORING REVEALS WATER QUALITY LEVELS AT THE COMPLIANCE STATION IN EXCESS OF THE GREATER OF THE BACKGROUND STATION LEVELS AND THE STATE STANDARDS, DREDGING ACTIVITIES SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TEST RESULTS HAVE RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED IN ACCORDANCE WITH THE PERMIT CONDITIONS.
7. SWFWMD-APPROVED FLOCCULANTS MAY BE USED TO ENHANCE SETTLING OF DREDGED MATERIAL SOLIDS.

ENVIRONMENTAL NOTES

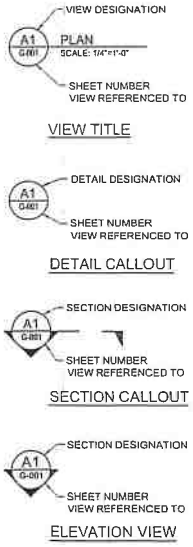
1. TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



DETAIL - TURBIDITY CONTROL BARRIER

ABBREVIATIONS

CL	= CENTERLINE
DBL	= DOUBLE
EA	= EACH
EL	= ELEVATION
EMBED	= EMBEDMENT
EQ	= EQUAL
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
GALV	= GALVANIZED
LG	= LONG
MAX	= MAXIMUM
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MIN	= MINIMUM
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
P/C	=PRECAST CONCRETE
PL	= PLATE
SPA	= SPACES
SS	= STAINLESS STEEL
TYP	= TYPICAL
UON	= UNLESS OTHERWISE NOTED
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
Ø	= DIAMETER



RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

RIVERWALK DISTRICT WATERFRONT

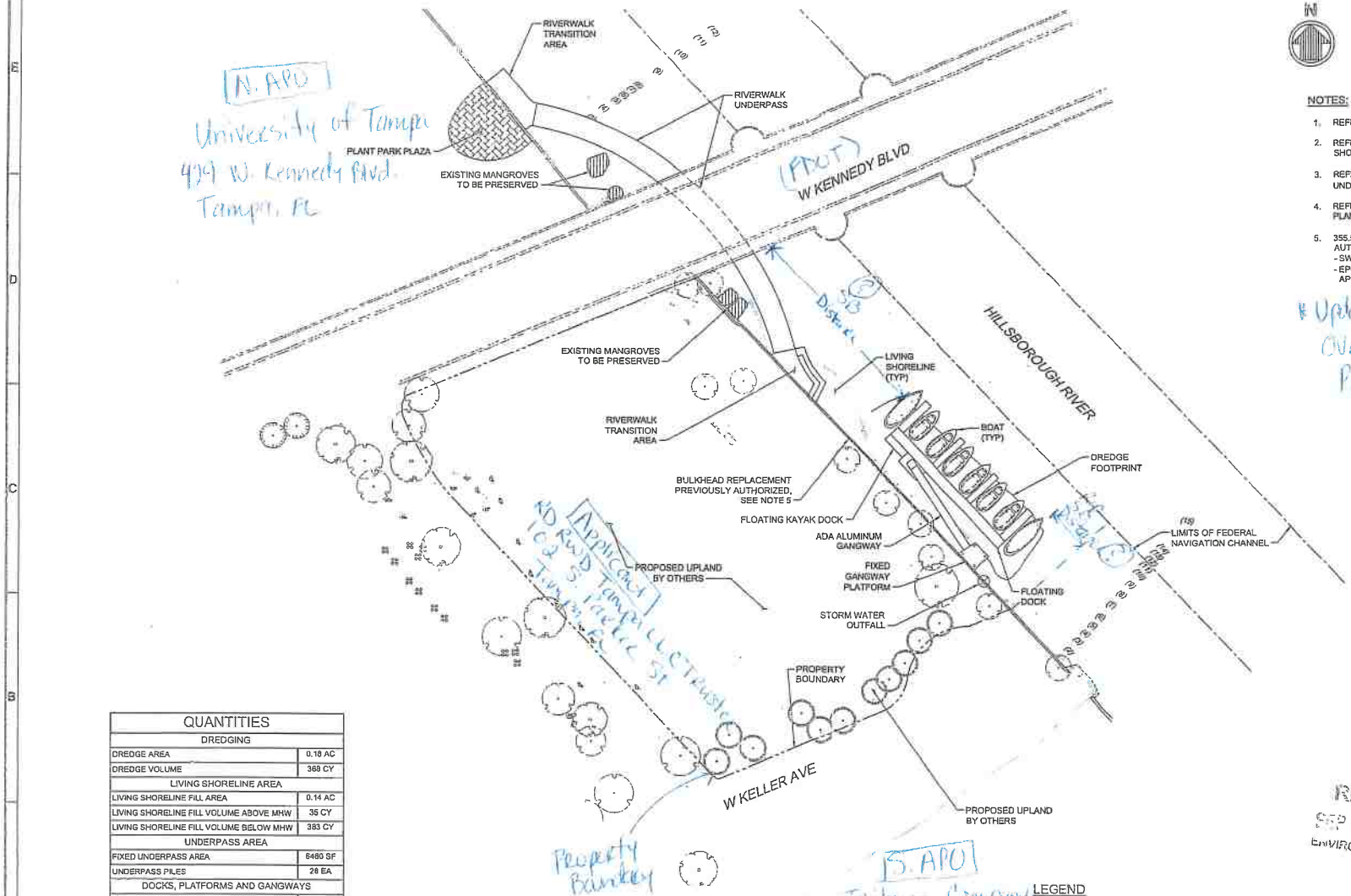
GENERAL NOTES AND ABBREVIATIONS

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
(813) 223-3388
REGISTRY NO. 30004677
WWW.MOFFATTNICHOL.COM

SEAL

Sheet Reference No.
G-002
INDEX 2 OF 12

File: D:\TAS\2022\2209\CADD_Admin_submittal\permit\229222_G-002_Plotted: 4/4/2023 11:08 AM by LLOYD, CHRIS Saved: 3/29/2023 09:27 AM by LLOYD



QUANTITIES	
DREDGING	
DREDGE AREA	0.18 AC
DREDGE VOLUME	368 CY
LIVING SHORELINE AREA	
LIVING SHORELINE FILL AREA	0.14 AC
LIVING SHORELINE FILL VOLUME ABOVE MHW	35 CY
LIVING SHORELINE FILL VOLUME BELOW MHW	383 CY
UNDERPASS AREA	
FIXED UNDERPASS AREA	6480 SF
UNDERPASS PILES	28 EA
DOCKS, PLATFORMS AND GANGWAYS	
FLOATING DOCK AREA	1953 SF
GANGWAY AREA	486 SF
FIXED GANGWAY PLATFORM AREA	245 SF
DOCK GUIDE PILES	12 EA
PLATFORM PILES	4 EA

23-044

NOTES:

1. REFER TO C-101 FOR DREDGING PLAN.
2. REFER TO C-102 FOR LIVING SHORELINE PLAN.
3. REFER TO S-101 FOR RIVERWALK UNDERPASS PLAN.
4. REFER TO S-102 FOR FLOATING DOCKS PLAN.
5. 355.5 LF OF BULKHEAD REPLACEMENT AUTHORIZED UNDER:
   - SWFWMD EXEMPTION FILE NO. 858700.
   - EPC MINOR WORK PERMIT APPLICATION NO. 76094.

Update/Create Overall Site Plan

LEGEND

- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- MEAN HIGH WATER LINE
- STORM WATER OUTFALL
- Property Boundary

SCALE: 1"=40'

PERMIT DRAWINGS
ISSUED: 2023-03-29

RECEIVED
SEP 01 2023
ENVIRONMENTAL REP

RELATED

RIVERWALK DISTRICT WATERFRONT

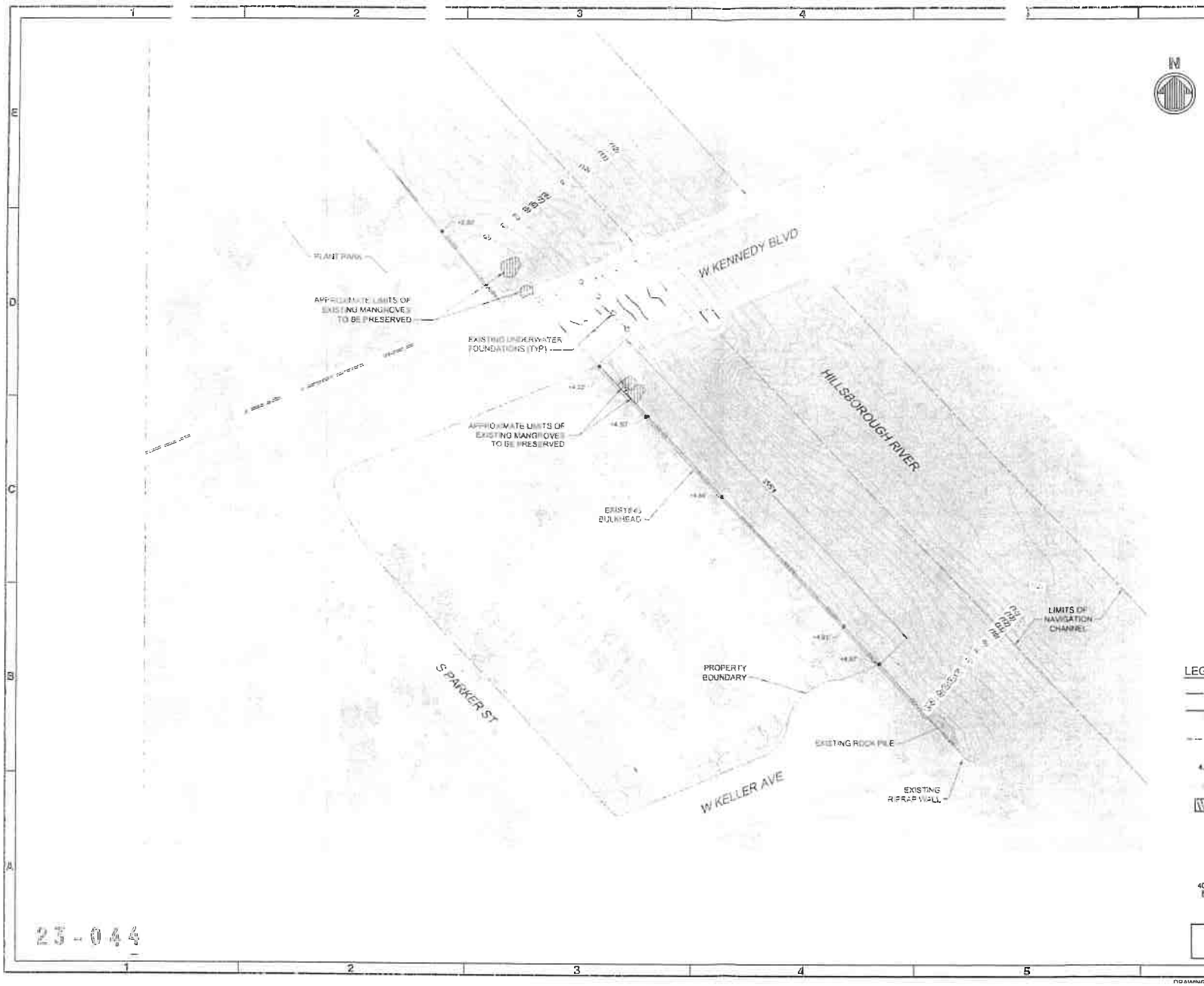
GENERAL ARRANGEMENT PLAN

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-225-8518
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Sheet Reference No. G-101

INDEX: 3 OF 12

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING



RECEIVED
SEP 07 2023
ENVIRONMENTAL SCI

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

RIVERWALK DISTRICT WATERFRONT

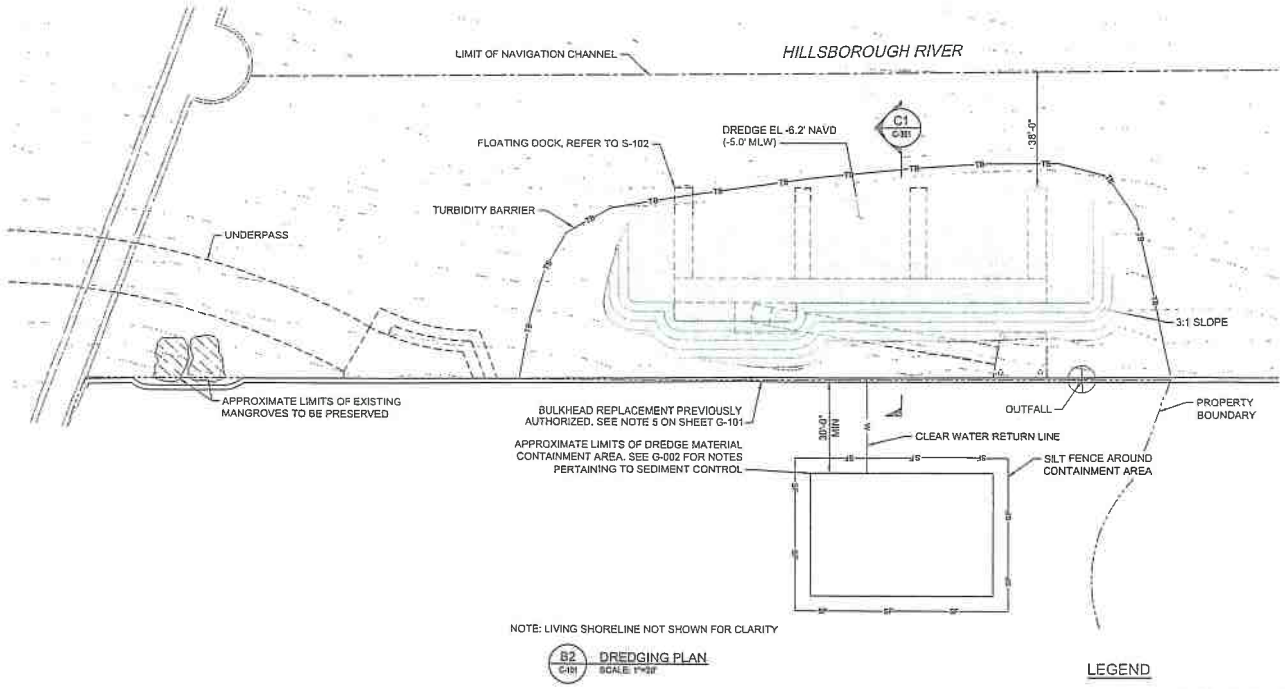
EXISTING CONDITIONS PLAN

moffatt & nichol
501 E KENNEDY BLVD SUITE 1810
TAMPA, FL 33602
813-258-8318
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
V-101
INDEX: 4 OF 12

SEAL

File: C:\742\230227\50 CADD_4.civil_waterfront permit\230227_V-101 Portlet: 4/1/2023 11:07 AM by LLOYD, CHRIS | Saved: 3/30/2023 8:49 AM by LLOYD



B2 C-101 DREDGING PLAN
SCALE: 1"=20'

NOTES:

1. LOCATION AND FINAL DIMENSIONS OF CONTAINMENT AREA IS APPROXIMATE. CONTRACTOR TO CONFIRM LOCATION AND FINAL DIMENSIONS ON-SITE BASED ON UPLAND AVAILABILITY AND DREDGING RATES.
2. DREDGED MATERIAL WILL BE PLACED ON SITE IN CONTAINMENT AREA AND REUSED AS BACKFILL ON SITE. MAXIMUM STACKING HEIGHT FOR CONTAINMENT AREA IS 10 FEET.
3. MAXIMUM ALLOWABLE OVERDREDGE DEPTH IS 1'-0".
4. REFER TO SHEET G-101 FOR QUANTITIES.

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- APPROXIMATE DREDGE AREA
- TB TURBIDITY BARRIER
- SF SILT FENCE
- W CLEAR WATER RETURN LINE

20' 0' 20' 40'
SCALE: 1"=20'

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT.

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

RIVERWALK DISTRICT WATERFRONT

DREDGING PLAN

Sheet Reference No.
C-101
INDEX: 8 OF 12

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8838
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

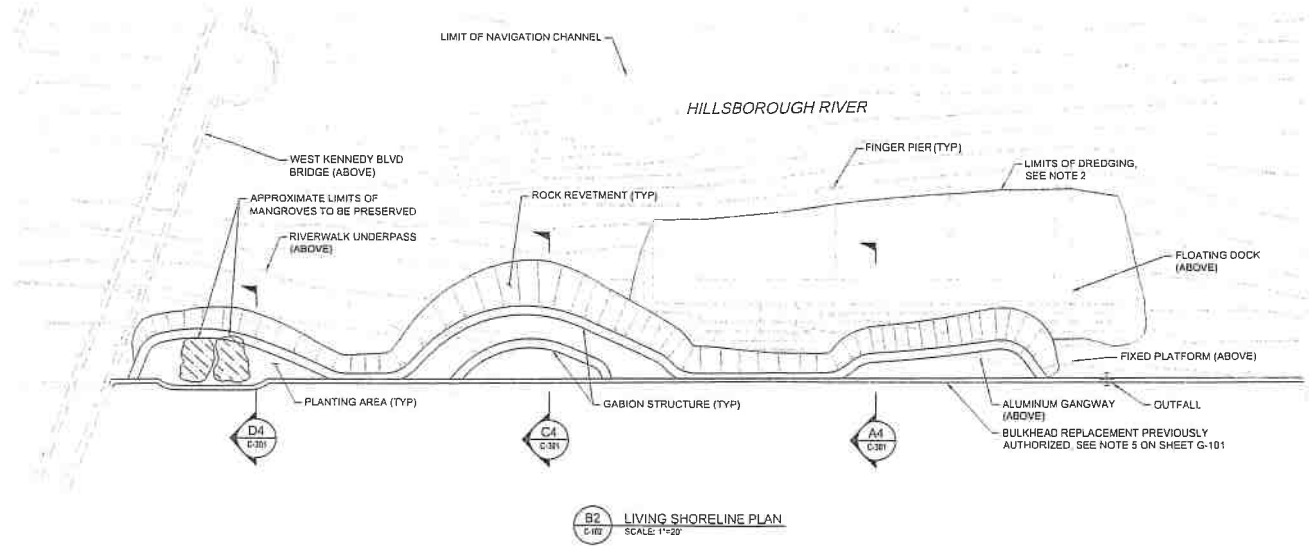
Designed by: TC
Drawn by: HF
Checked by: BES
Released by: KAS
Submitted by: NICOLE GHAIL PE
MOFFATT & NICHOL
Date: 2023-03-29
M&N Project No. 250272
Plot scale: 1:1 (D SHEET)

Rev. —

167

(368 ft)

File: C:\141\250272\20 CADD_Active_waterfront permit\250272_C-101 - Plotted: 4/4/2023 11:59 AM by LLOYD, CARIS - Saved: 3/29/2023 3:37 PM by CLLOYD



B2 C-102 LIVING SHORELINE PLAN
SCALE: 1"=20'

N

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.
2. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.

LEGEND

(8)	CONTOUR LINE
MHW	MEAN HIGH WATER LINE
	NAVIGATION CHANNEL LINE

20' 0' 20' 40'
SCALE: 1"=20'

RECEIVED
SEP 06 2023
ENVIRONMENTAL DEPT

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

RIVERWALK DISTRICT WATERFRONT

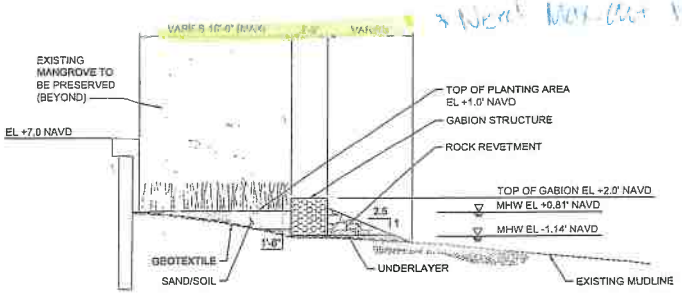
LIVING SHORELINE PLAN

301 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
(813) 223-3919
REGISTRY NO. #0004877
WWW.MDFATTINCHCI.COM

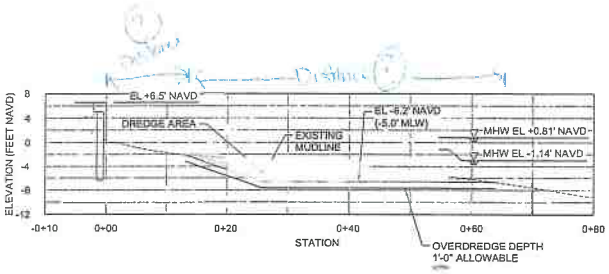
SEAL

Sheet Reference No
C-102
INDEX 6 OF 12

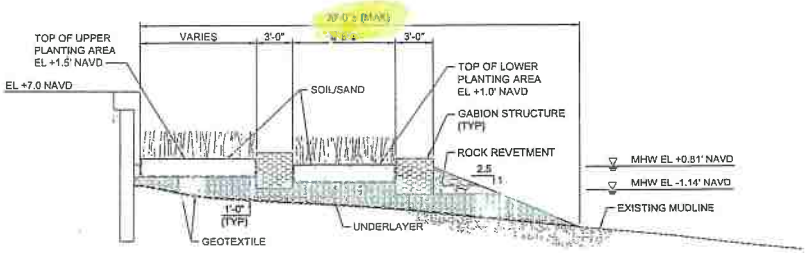
File: D:\TAD\23023\CAD\Active\Permit\23023_C-102 Plotted: 4/4/2023 11:10 AM by LLOYD, CHRIS; Saved: 3/30/2023 12:28 PM by LLOYD



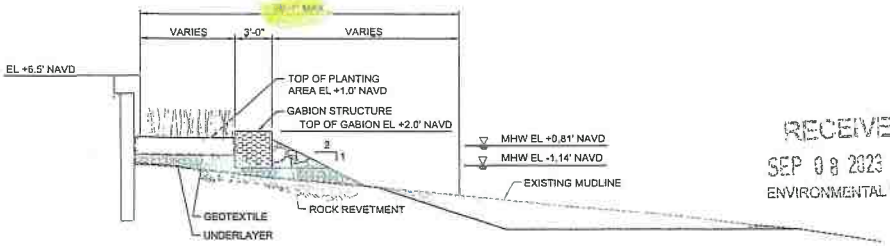
D4 LIVING SHORELINE SECTION
SCALE: 1"=5'



C1 DREDGING SECTION
C-101 SCALE: 1"=10'



C4 LIVING SHORELINE SECTION
C-102 SCALE: 1"=5'



A4 LIVING SHORELINE SECTION
C-102 SCALE: 1"=5'

LEGEND

- SAND/SOIL
- UNDERLAYER
- GABION STRUCTURE
- ROCK REVETMENT
- EXISTING GROUND
- DREDGE AREA

23-044

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

5' 0' 5' 10'
SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

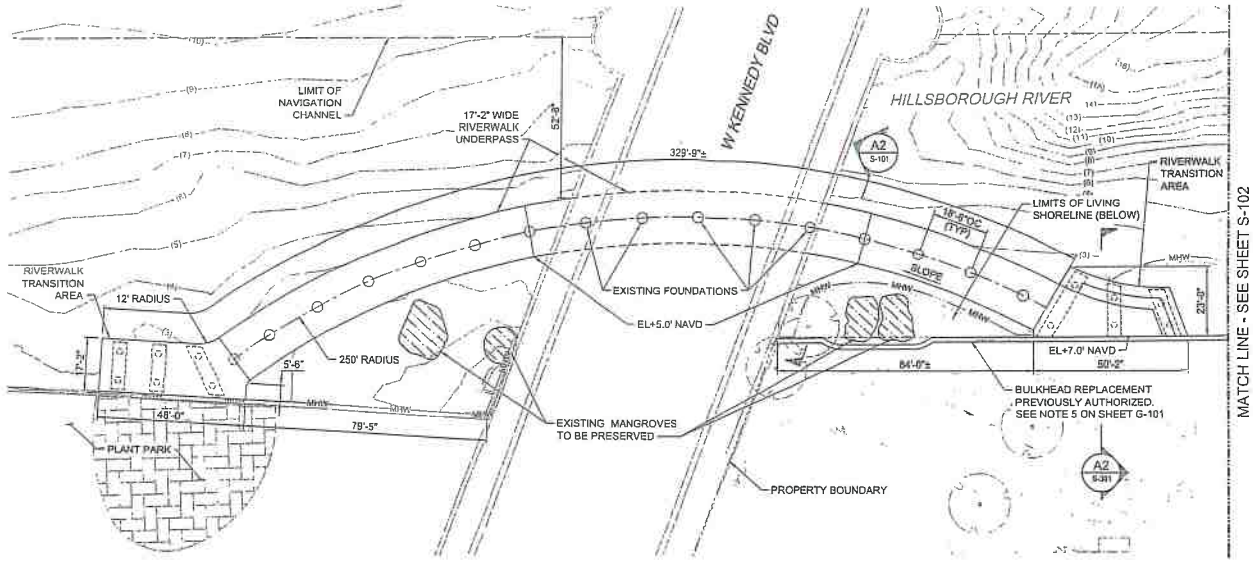
RIVERWALK DISTRICT WATERFRONT

DREDGING AND LIVING SHORELINE SECTIONS

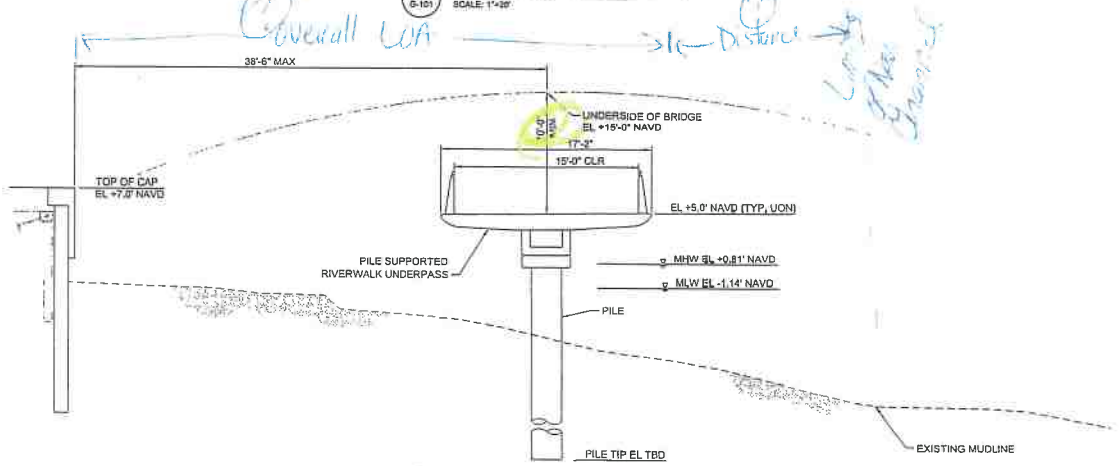
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-225-8318
REGISTRY NO. 0006677
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
C-301
INDEX: 7 OF 12

File: C:\H\220222\220 DWGs\Active\Permit\220222_C-301.rvt; Plotted: 9/8/2023 11:11 AM by LLOYD, CHRIS; Saved: 9/8/2023 12:15 PM by LLOYD



C2 S-101 RIVERWALK UNDERPASS PLAN
SCALE: 1"=20'



A2 S-101 RIVERWALK UNDERPASS SECTION
SCALE: 1"=5'

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- MANGROVE CANOPY
- PILE

SCALE: 1"=5'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

RIVERWALK DISTRICT WATERFRONT

RIVERWALK UNDERPASS PLAN AND SECTION

moffatt & nichol
501 E KENNEDY BLVD, SUITE 1910
TAMPA, FL 33602
813.258.8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Designed by: TC
Drawn by: DH
Checked by: HAG
Submitted by: NICOLE SHAW, PE MOFFATT & NICHOL
Date: 2023-03-29
M&N Project No. 230223
Drawing Scale:
Drawing Scale:
Full Size: 11" (D SHEET)
Rev: —

SEAL

Sheet Reference No.
S-101
INDEX: 8 OF 12

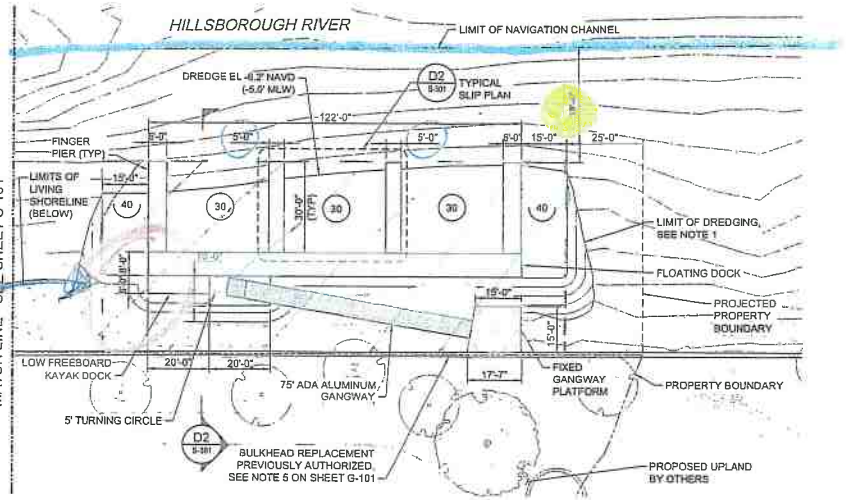
File: D:\TA\230223\CADD_Active_Interface\Journal\230223_S-101_Partial_4-07-2023 11:20 AM_by: LLOYD, CHRIS_Saved: 4/6/2023 11:19 AM_by: CLLOYD

Overall Pre-existing
D.A. Area to
152' x ± 63' = 9,576 sf (40:1 Remaining = ± 4,642 sf)

Applicant-Shoreline = 355.45
10:1 = 3,554.5 sf
40:1 = 14,218 sf

6' x 30' = 180 sf
5' x 30' = 150
5' x 30' = 150
6' x 30' = 180
5' x 122' = 976
6' x 20' = 120
10' x 20' = 200
5' x 65' = 325
15' x 15' = 225
Subtotal = 2,506 SF

Need Distance
Bfr Living Shoreline
Kayak Dock - Need to
ensure [illegible] remains
open for Kayak/Paddle
boards to get around
the dock.



B2 G-101 FLOATING DOCK PLAN
SCALE: 1"=20'

NOTES:
1. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION

SLIP MIX	
SIZE	NO.
30'	6
40'	2
TOTAL	8

LEGEND
- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- 30 DOUBLE SLIP + SIZE
- 40 SIDE-TIE SLIP + SIZE

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2023-03-29

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-044

RELATED

RIVERWALK DISTRICT WATERFRONT

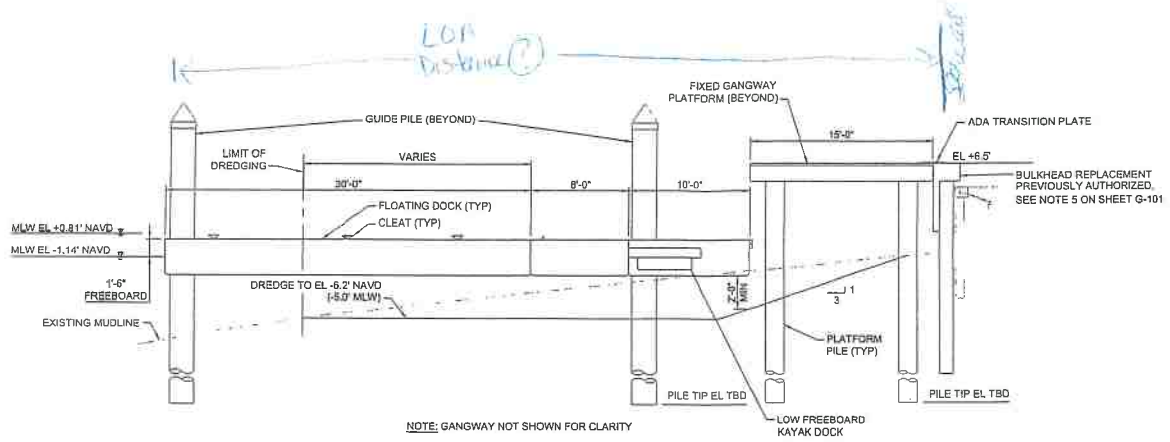
FLOATING DOCK PLAN

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-225-8318
REGISTRY NO. 0004877
WWW.MOFFATTNICHOL.COM

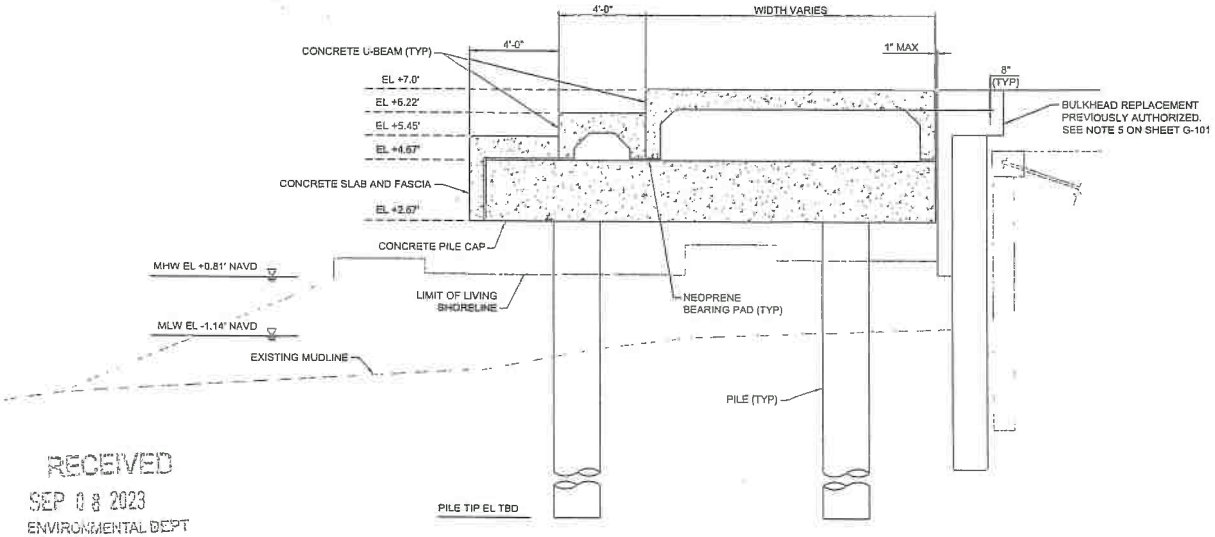
Sheet Reference No.
S-102
INDEX: 9 OF 12

171

File: D:\TAD\2023\100 CADD_Active_web\final permit\230222_S-102_Permit 4&2023 11:13 AM by LLOYD, CHRIS; Saved: 4/4/2023 10:58 AM by LLOYD



D2 S-102 FLOATING DOCK SECTION
SCALE: 1"=5'



NOTE: SAFETY RAILING NOT SHOWN, TYPE TO BE SPECIFIED BY ARCHITECTURAL DRAWINGS

A2 S-101 RIVERWALK TRANSITION SECTION
SCALE: 1/2"=1'-0"

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

23-054

5' 0' 5' 10'
SCALE: 1"=5'

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

RIVERWALK DISTRICT WATERFRONT

TYPICAL DOCK AND TRANSITION AREA SECTIONS

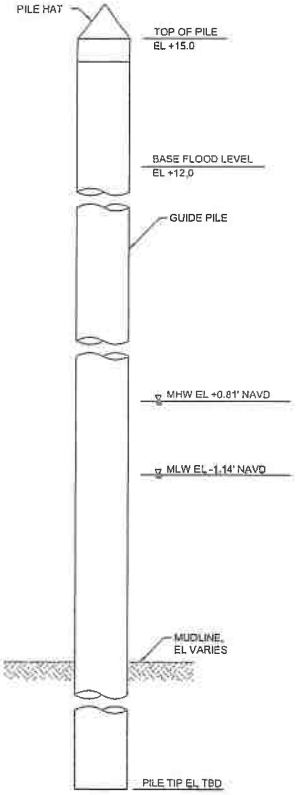
moffatt & nichol
301 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Designed by TC
Drawn by
Checked by
Date 2023-03-29
M&N Project No. 230122
Drawing Scale
Drawing Scale 1:1 (10 SHEET)
Plot Date 4/4/2023 11:59 AM by CLLOYD
Submitted for: NICOLE BRAW, PE MOFFATT & NICHOL

Sheet Reference No.
S-301
INDEX: 10 OF 12

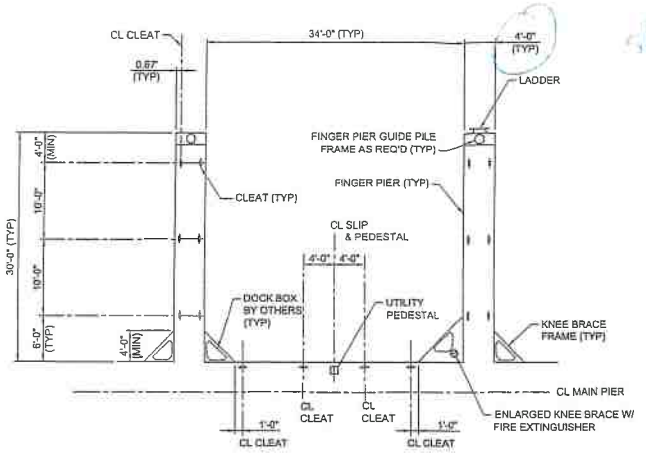
DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

File: D:\TAD\2022\230122\CADD_Active_waterfront_permit\230222_S-301_Permit_4\4\2023 11:14 AM by LLOYD, CHRIS - Saved: 4/4/2023 11:59 AM by CLLOYD

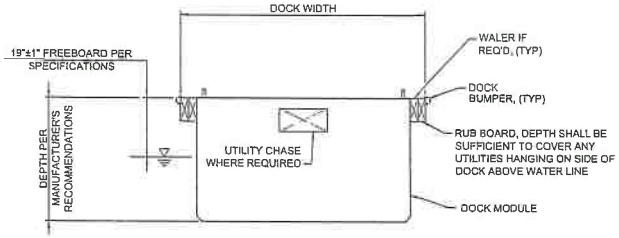


GUIDE PILE NOTE:
THE GUIDE PILE LENGTHS, NUMBERS, LOCATIONS, SIZE, AND WALL THICKNESS SHALL BE BASED ON THE PILE DESIGN REQUIREMENTS. DOCK MANUFACTURER'S ENGINEER OF RECORD SHALL DETERMINE THE SIZE, LENGTH AND LOCATIONS OF GUIDE PILES.

A1 S-501 DETAIL - GUIDE PILE
SCALE: 1/4" = 1'-0"



D2 S-102 TYPICAL SLIP PLAN
SCALE: 1/8" = 1'-0"



NOTES:
1. DOCK MODULE CONNECTION SYSTEM SHALL BE DETERMINED BY DOCK MANUFACTURER IN ACCORDANCE WITH SPECIFICATIONS.

A3 S-501 SECTION - FLOATING DOCK
SCALE: 1/2" = 1'-0"

RECEIVED
SEP 08 2023
ENVIRONMENTAL DEPT

SCALE: 1/4"=1'-0"
SCALE: 1/2"=1'-0"

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

RIVERWALK DISTRICT WATERFRONT

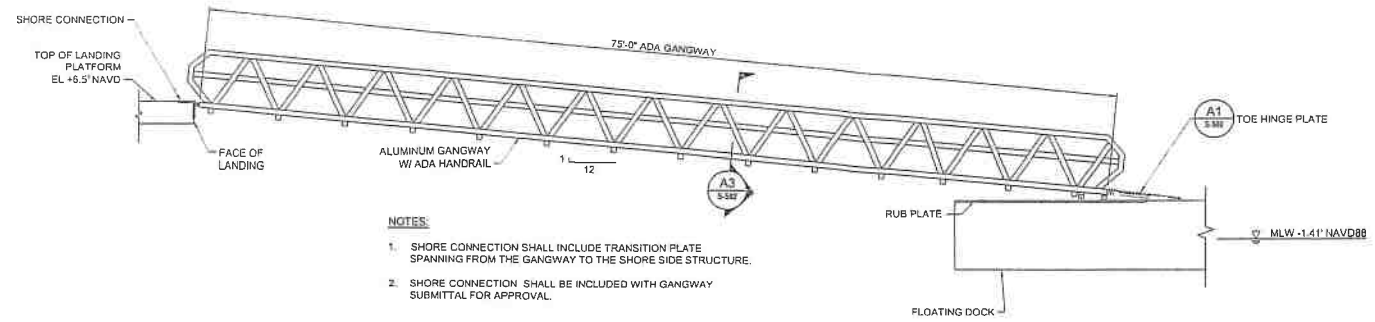
FLOATING DOCK DETAILS

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.204.3858
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
S-501
INDEX: 11 OF 12

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

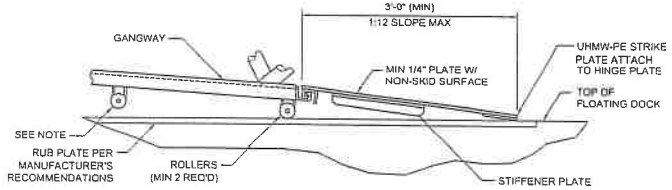
File: G:\TAS\230322\CADD_Asbuilt_wallsfloat parcel\230322_S-501 - Plotted: 4/4/2023 11:15 AM by LLOYD, CHRIS - Saved: 4/4/2023 11:03 AM by CLLOYD



NOTES:

1. SHORE CONNECTION SHALL INCLUDE TRANSITION PLATE SPANNING FROM THE GANGWAY TO THE SHORE SIDE STRUCTURE.
2. SHORE CONNECTION SHALL BE INCLUDED WITH GANGWAY SUBMITTAL FOR APPROVAL.

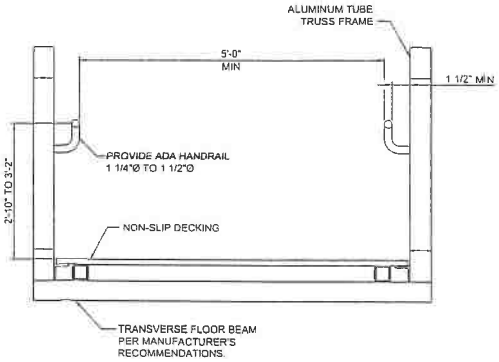
D1 S-502 ELEVATION - TYPICAL GANGWAY
SCALE: 1/4"=1'-0"



NOTE:

CONTRACTOR SHALL PROVIDE A SECONDARY ROLLER/SUPPORT TO ACCOMMODATE HIGH WATER EVENTS.

A1 S-502 DETAIL - TOE HINGE PLATE
SCALE: 3/4"=1'-0"



A3 S-502 SECTION - ALUMINUM GANGWAY
SCALE: 1"=1'-0"

RECEIVED
SEP 08 2023
ENVIRONMENTAL PROT

2'-0" 0'-0" 1'-0" 2'-0"
SCALE: 3/4"=1'-0"

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

No.	Description	Date
1		

RIVERWALK DISTRICT WATERFRONT

GANGWAY DETAILS

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00001577
WWW.MOFFATTNICHOL.COM

Designed	TC
Drawn	BES
Checked	CDK
Approved	NICOLE BYNUM, PE LICENSE NO. 74425
Date	2023-03-29
MMP Project No.	23022
Drawing Code	
Plot Date	3/29/2023 11:54 AM
Drawing Scale	1:1 (D SHEET)

174

Sheet Reference No.
S-502
INDEX 12 OF 12

File: D:\TAL23\23022\04 CAD\3_Aircraft_waterfront\permit\230322_S-502 Plotted: 3/29/2023 11:16 AM by LLOYD CHRIS, Saved: 3/29/2023 11:54 AM by CLLOYD

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

PTB MARINE CONSTRUCTION APPLICATION & PERMITTING SUMMARY

PURPOSE. This summary addresses applicable standards/processes pursuant to Chapter 95-488, Laws of Florida for the review of marine construction projects within jurisdictional the waters of Hillsborough County for which either a minor or standard marine construction permit is required. Please note that the authority to issue some minor work marine construction permits has been delegated to the Environmental Protection Commission (EPC) of Hillsborough County under the Amended and Restated Interlocal Agreement dated June 23, 2009 between the Tampa Port Authority (TPA), d/b/a Port Tampa Bay (PTB), and EPC, mainly focused for private single-family residential properties. For minor work permitting questions within EPC's area of delegation, please contact the EPC Wetlands Management Division at 813-627-2600. Please direct any questions regarding PTB marine construction permitting to our Environmental Department at 813-905-5031.

WHO NEEDS A TPA PERMIT? Pursuant to Chapter 95-488, Laws of Florida and the TPA/EPC interlocal agreement dated June 23, 2009; any person, firm, or corporation desiring to place material on, remove material from, construct any fixed structure on, or permanently moor any floating structure upon, within , or over submerged lands located within the boundaries of the port district and bordering on or in waters within the jurisdictional waters of Hillsborough County **must apply in writing to the TPA/PTB Environmental Department 1101 Channelside Drive, 4th Floor, Tampa, FL 33602. Applications must be submitted by the abutting upland riparian property owner.** Therefore, if you live in a condominium or an apartment, an authorized representative of that Association must apply for the permit.

A PTB marine construction permit is required and review retained for any of the following marine filling, dredging, development, or construction type projects with applications submitted to the PTB Environmental Department to process for permitting (projects NOT delegated to EPC):

- ☐ Any project that includes a subaqueous or aerial utility line crossing a jurisdictional waterbody. This includes installing or modifying any utility crossing (including submarine or aerial electric cables, telephone/fiber optic cable lines, natural gas/water/sewer pipelines, or other similar infrastructure crossings),
- ☐ Any site with an existing submerged lands lease or easement OR new request that is part of and/or required for any minor or standard work project associated with type of use for structure(s)
- ☐ Any minor or standard work permit application where the project site is located within an existing PTB Submerged Lands Lease area (Upland or Submerged Area)
- ☐ Any marine construction project that is located on or abutting at any of the submerged lands or uplands listed below:
  - Any Commercial Tidal Submerged Lands (channels), as set forth in *TPA Submerged Lands Management Rules*, except for Seddon Channel (Includes: All federally authorized navigation channels & turning basins; Port Channels: Ybor, Sparkman, Garrison, Cut D, and Port Sutton; East Bay; Alafia River Channel & terminal berths; Big Bend Channel, turning basin, & terminal berthing areas; Cooling discharge channel of Big Bend power station; Port Tampa Channel & dredged channel north adjacent to Port Tampa terminal complex; and Rattlesnake terminal channel & berthing areas).
  - Any existing PTB owned uplands, including but not limited to any dredge spoil islands (i.e. Fantasy Island, DMMA-2D, DMMA-3D, etc.), any lands created from accretion, any lands created by dredge overfill.
  - Any existing Port of Tampa berths or related Port area related marine structures.
  - Any submerged lands or uplands that PTB requires for its development.

- ☐ All standard work marine construction projects within jurisdictional waters of Hillsborough County. Jurisdictional waters include tidally influenced waters, Lakes Thonotosassa and Keystone, the Hillsborough River, Little Manatee River, the Alafia River, and other natural creeks or streams.

Pursuant to Section 25 (m), Enabling Act, Chapter 95-488 Laws of Florida – Any marine construction activities proposed in a jurisdictional waterbody of such an extent and nature that the project may be expected to have no significant environmental or hydrographic impact, as listed below, shall be considered a **"Minor Work"** project:

- Private/commercial docks less than 2,500 square feet in structure area and less than 300 feet in length, including fixed or floating structures and boat lifts.
- (New) Dredging or any filling projects involving the removal from or replacement on submerged lands of less than 1,000 cubic yards of material. *Pilings, riprap, artificial reefs, breakwaters, and groins are not considered "fill" under current PTB Rules.*
- Maintenance dredging of less than 10,000 cubic yards of material from existing canals, channels, turning basins, or berths, where dredged material is to be removed and deposited on self-contained upland sites.
- New seawalls or similar shoreline structures, including new rip-rap revetment, not exceeding 400 feet of shoreline, as measured prior to the commencement of work.
- Restoration of seawalls or similar shoreline structures at their previous locations or upland of or within 1 foot waterward of their previous locations.
- Utility crossings not involving more than 10,000 cubic yards of dredging.
- Installation of buoys, signs, fences, ski ramps, and aids to navigation.

Any proposed marine construction activities proposed beyond the above listed limits shall be considered a **"Standard Work"** project.

Statutory Timeline for Processing Minor Work Permit Applications
[Section 25 (m) Chapter 95-488 Laws of Florida]

Receive MWP Application (Normally within 2 weeks*)	**Project Notices Sent Out For Comments** (14 days – Regular Mail)	**Newspaper Publication For Lease/Private Easement, etc.** (20 Day minimum**)	**Public Hearing** (Open*)	**PTB Board Meeting** (Open*)	**Issue Permit** (Open*)
PTB staff completes initial review and conducts site visit.	Application is forwarded to adjacent riparian property owners (APOs), Environmental Protection Commission (EPC) of Hillsborough County and several other agencies for comments that PTB reviewer handles once the application is deemed complete.	PTB plans public hearing upon receipt of favorable comments from EPC and Applicant/Agent responds to any objection letters. PTB provides newspaper notice and forwards announcements to interested Parties/Riparian Property Owners.***	PTB holds Public Hearing for Leases or Private Easement.	Review by PTB Board of Directors at monthly Board Meeting for required approval of associated lease, easement, etc.	PTB issues the marine construction permit. PTB bills permittee for administrative costs***

Statutory Timeline for Processing Standard Work Permit Applications
[Section 25 (c) - (h) Chapter 95-488 Laws of Florida]

Receive SWP Application (Within 30 days*)	**Complete Application Review** (Open*)	**Project Notices Sent Out to 1500-ft Radius Waterfront Property Owners + Agencies** (30 Days – Certified Mail)	**Open***	**Newspaper Publication For SWP Marine Construction & Lease/Private Easement, Etc (if included)** (20 Day minimum**)	**Public Hearing** (Open*)	**PTB Board Meeting** (Open*)	**Permit Issued** (Within 14 days after PTB Board of Directors Meeting*)
PTB staff completes initial review.	Applicant/ Agent provides necessary information for PTB to complete review.	PTB forwards application to APOs, EPC/ Planning Commission (PC), Agencies, & interested parties for review and comment.***	EPC, PC, APOs, etc. response due to PTB. Up to 60 additional days may be granted to EPC/PC for review of additional info. that may be required.	PTB plans public hearing upon receipt of favoring comments from EPC /Planning Commission and Applicant/Agent responses to any objection letters. PTB provides newspaper notice & forwards notice to Interested Parties/ Riparian Property Owners.***	PTB holds Public Hearing	Review by PTB Board of Directors at monthly Board Meeting for required permit approval.	PTB issues the permit. PTB bills permittee for administrative costs.***

*No statutory limits – Action based on receipt and review of necessary information to continue processing the permit application.
**Includes posting of temporary signs at nearby public parks/boat ramps and distribution of public hearing notices to hearing notices to nearby homeowners associations, per PTB Board of Directors' directive of September 18, 2007.
***Upon Issuance of permit, the permittee will be billed for all administrative costs incurred by PTB; including certified mail delivery expenses, copying costs, publishing legal notices in local newspapers, signage posted at public parks/boat ramp, etc., per Section 25 (h), Chapter 95-488 Laws of Florida.

PTB MINOR AND STANDARD PERMITTING GUIDELINES

The general guidelines summarized below may be further restricted based upon the project site. For example, projects located within Aquatic Resource Protection Areas (ARPA) such as Cockroach Bay on the Little Manatee River are permitted under more stringent standards. For detailed information, including PTB's Marine Construction Applications, forms and *Submerged Lands Management Rules*, please visit our website at www.porttb.com.

Subaqueous Utility Crossings: Provide complete PTB Utility checklist. Provide the minimum vertical cover throughout PTB jurisdictional limits and at elevation changes at channel banks. Minimum depths vary dependent upon the proposed crossing location, as categorized in the following:

- Primary Deep Draft Navigation Channel crossings require a minimum depth of 25 feet depth below the permitted dredge depth. (Addendum Rule Dwgs show 15' minimum cover NOT 25, typo?)
- Secondary Navigation Channel crossings require a minimum depth of 10 feet depth below the permitted dredge depth.
- Typical Stream, Bay or Private Channel crossings require a minimum depth of 10 feet below the permitted dredge depth or existing bottom plus 5 feet, whichever is greater.

Aerial Utility Crossings: Provide the minimum vertical height in feet above Mean High Water (MHW) or Ordinary High Water (OHW) including elevation and datum for MHW/OHW and the upland location of poles closest to water edge.

Marine Structures including the construction of docking facilities, piers, observation docks, etc.:

- Private single family docking facilities may not encumber more than 10 square ft. of submerged land for every foot of subject shoreline, while non-revenue generating private multi-family docking facilities with a submerged lands lease may not exceed 40 square feet of Sovereignty Lands for every foot of subject shoreline.
- Structural area typically includes all decking, boatlift perimeters over-water roofs, etc.
- Structures may extend a maximum of 25% of the navigable width of a waterway. Distances may be further restricted based on site-specific conditions.
- Structures and associated activities on Jurisdictional Lands shall be **water dependent** unless the Authority determines that it is in the public interest to grant an exception. In addition to docking facilities, port facilities, boat ramps and fishing piers, the following shall also be considered as water dependent: sundecks in accordance with these rules which are constructed only over and within the height restrictions of a permitted covered slip/lift; benches and fish cleaning stations within terminal activity areas; lifeguard stations; and public observation platforms or boardwalks which cannot be feasibly located on the uplands and are intended to facilitate viewing of water-oriented habitat and associated wildlife.

Marine Structure Riparian Setbacks: All structures (dock, boat lift, piling type structures) must be set back from riparian lines (which are not necessarily extensions of the property lines) on both sides of the Applicant's property shoreline for the project site, as follows:

- For sites with shoreline frontage of less than 65 feet = 10 foot riparian setback
- For sites with shoreline frontage of 65 feet to 80 feet = 15 foot riparian setback
- For sites with shoreline frontage of more than 80 feet = 25 foot riparian setback

Any structures proposed within the shared riparian setback area requires an Affidavit of No Objection (notarized authorization form) from the affected riparian adjacent property owner prior to permitting.

Seawall Construction or Replacement Projects: All jurisdictional seawall project site plan/drawings must be signed and sealed by a Florida registered professional engineer. Replacement of existing seawalls should be with an eighteen (18) inch face-to-face maximum separation distance shown on drawings/plans or maximum of twelve (12) inches for project sites falling within a designated ARPA.

Maintenance or New Dredge/Fill Projects: Provide complete PTB Dredge and/or Fill Supplemental form.

COMPLETE APPLICATION SUBMITTAL CHECK LIST

Please submit a marine construction application, scaled site plan drawings, review fees, and any supplemental information applicable to the proposed marine construction project to the PTB Environmental Department at 1101 Channelside Drive, Tampa, FL 33602 for all proposed work that is to be located at, waterward of, under or over the mean/ordinary high water (MHW/OHW) elevation line of a jurisdictional waterbody in Hillsborough County.

I. **PTB Application.** Required from any person wanting to perform specific types of marine construction projects and activities within the jurisdictional waters of Hillsborough County. Original notary and signatures are required. Jurisdictional waters include tidally influenced waters, Lakes Thonotosassa & Keystone, and Hillsborough River, Little Manatee River, Alafia River and other natural creeks or streams. **Applications must be submitted by the abutting upland riparian property owner.** Therefore, if you live in a condominium or an apartment, an authorized representative of that Association **must** apply for the permit.

II. **Detailed/Scaled Project Plans.** Plans must be properly scaled and depict **all** structural dimensions and elevations on project drawing site plans. PTB will not accept project drawings printed larger than 11"x17" paper. Projects other than private single-family structures require drawings to be signed and sealed by a Florida Registered Professional Engineer and **all** jurisdictional seawall applications require signed and sealed drawings/plans. Overall Site Plan, Detailed Site Plan, and Profile drawings, as follows:

☐ Overall Site Plan View – Show the property boundary, **all** existing onsite structures, adjacent property structures, natural resources (mangroves, oyster bars, sea grass beds, etc .), distance for any structure proposed to be located within the riparian setback in relation to the property/riparian boundaries, and navigable channels. Show the setback distances from the closest portion of the structure to the adjacent property boundary must be depicted.

☐ Detailed Plan View – Show details of the proposed activity/construction work with **all** structural dimensions noted and square footage noted.

☐ Cross-section/Profile View – Show cross-section of the proposed activity beginning from the shoreline/MHW/OHW to the waterward end of the project work, including length/distance & height of proposed structure(s) in relation to the MHW/OHW and mean/ordinary low water (MLW/OLW) levels, showing depths, bottom substrate, etc.

III. **Property Survey.** Provide a legible copy of the applicant's property survey and legal description.

IV. **Marine Construction Application Review Fees.** All applications shall have an environmental review by the Environmental Protection Commission (EPC) of Hillsborough County staff, pursuant to the Enabling Act. Review fees must be submitted to the PTB as part of the application submittal packet in the form of a check or money order, pursuant to Section III.A. of the *Rules*, as follows:

☐ Minor Work Project Application Review Fees:
- $100.00 made payable to Tampa Port Authority
- $150.00 made payable to EPC**

☐ Standard Work Project Application Review Fees:
- $1000.00 made payable to Tampa Port Authority
- $300.00 made payable to EPC**
- $200.00 made payable to the Planning Commission (for sites within City limits only) or $1,139.00 (Planning Commission review fee for sites within unincorporated Hillsborough County only)**

**Fees subject to change, based on current EPC & Planning Commission rule Fee Schedules.

Application Types	Processing Fee
Minor Work Permit	$100.00
Revision to a valid/Active Minor Work Permit	$75.00
Standard Work Permit (base fee plus invoice for certified mailing/administrative costs)	$1,000.00
Revision to a Valid/Active Standard Work Permit	$500.00
Lease	$500.00
Public Easements	$400.00
Private Easements	$500.00
Use Agreement	$150.00
Management Agreement	$350.00
Disclaimers to Confirm Title to Filled Formerly Sovereignty Lands	$400.00
Quitclaim Deeds to clear Title to Filled Formerly Sovereignty Lands	$400.00
Sale to Filled Formerly Submerged Lands	$500.00
Certificate Documenting Waterward Boundary Line as of July 1, 1975 of Filled Tidelands	$550.00

PUBLIC INTEREST EVALUATION

The decision to authorize the use of Jurisdictional Lands requires a determination that such use is not contrary to the public interest, except for lands within Aquatic Resource Protection Areas, in which case it must be determined that the use is in the public interest. In all cases it will be in the responsibility of the applicant to provide evidence as to the public interest impact of the proposed activity or use. Provide measures taken to place your project clearly in (or not contrary to) the public interest, as described below, in the PTB marine construction Application **COMMENTS / PERMIT HISTORY / PUBLIC EVALUATION STATEMENT FOR PROJECT** box or attach separate Project Narrative document.

☐ The public interest determination requires an evaluation of the probable impacts of the proposed activity on Jurisdictional Lands and the associated waterbody. All direct and indirect impacts related to the proposed activity as well as the cumulative effects of those impacts shall be taken into consideration. Relevant factors to be considered include: conservation, general environmental and natural resource concerns, wetlands values, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, aesthetics, economics, public health and safety, relative extent of the public need for the proposed use or activity, reasonable alternative locations and methods to accomplish the objective of the proposed use or activity, potential detrimental effects on the public uses to which the area is otherwise suited, the effect on cultural, scenic and recreational values, and the needs and welfare of the people.

☐ For projects within an Aquatic Resource Protection Area, a balancing test will be utilized to determine whether the social, economic, or environmental benefits of the project clearly exceed the social, economic, or environmental costs.

- General Benefit/Cost Criteria:
  - Any benefits or costs that are balanced must be related to the affected ARPA
  - For projects in ARPA's with adopted management plans, consistency with the management plan will be weighed heavily when determining whether the project is in the public interest

- Benefit Categories:
  - General public access (public boat ramps, boat slips, etc.)
  - Improve and enhance public health, safety, welfare, and law enforcement
  - Improve public land management
  - Improve and enhance public navigation
  - Improve and enhance water quality
  - Enhance or restore natural habitat and functions
  - Protect endangered/threatened/unique species

- Costs:
  - Degraded water quality
  - Degraded natural habitat and function
  - Destruction, harm or harassment of endangered or threatened species and habitat
  - Preemption of public use
  - Increasing navigational hazards and congestion
  - Degraded aesthetics
  - Adverse cumulative impacts

Detailed/Scaled Project Plans. Plans must be properly scaled and depict **all** structural dimensions and elevations on plan and profile views of the project. PTB will not accept project drawings printed larger than 11"x17" paper. Projects other than private single-family structures require drawings to be signed and sealed by a Florida Registered Professional Engineer and **all** jurisdictional seawall applications require signed and sealed drawings/plans. Overall Site Plan, Detailed Site Plan, and Profile drawings, as follows:

Overall Site Plan View:

☐ Project location map that clearly depicts the location of **all** proposed activities

☐ Location of property boundary lines, including linear feet of shoreline owned by the applicant

☐ Mean High Water line (MHWL) for tidal waters or Ordinary High Water line (OHWL) for non-tidal waters at project location

- ☐ Show the location and dimensions (length, width, height) of **all** existing and proposed structures or work activities located in, on, under, or over Jurisdictional Lands on the Applicant's property or work area, and **any** other existing structures immediately adjacent to the project area
- ☐ Show the distance for **any** structure proposed to be located within a riparian setback in relation to the riparian setback boundaries for the Applicant's shoreline, as applicable. The riparian setback distance from the point of the proposed structure to the closest adjacent property boundary **must** be depicted.
- ☐ Show boundaries, size (square feet / acres), and type of **any** natural resources and wetland vegetation (including forested, mangroves, seagrass, other submerged/emergent vegetation), or benthic habitat (oysters, clams, etc.) in the project area and immediately adjacent to the project area
- ☐ Clearly identify (shade or hatch) **each** dredge or fill area and label with the size (square feet / acres) and volume (cubic yards)
- ☐ Location of adjacent or nearby navigational channels with channel boundary and name of channel
- ☐ Location and type of turbidity or erosion control measures [Best Management Practices (BMPs)]

Detailed Plan View:

- ☐ Show details of the proposed activity/construction work with **each** structural or work area dimension (length/width in feet or inches) and size (square feet)
- ☐ Show navigable width of waterway
- ☐ Show the path and distance between the waterward end of the structure and the nearest marked navigation channel and/or show **any** channel markers with closest distance to the proposed structure or work activity (if applicable)
- ☐ Number each mooring slip and/or lift and note size of vessel draft (if applicable)

Cross-section/Profile View:

- ☐ Clearly show the waterward distance of the proposed structure or work activity measuring from the shoreline/ MHWL (tidal waters) or OHWL (non-tidal waters) to the waterward end of the structure of limits of work area
- ☐ Clearly show the elevation of the structure above MHWL (tidal waters) or OHWL (non-tidal waters) and **must** show water depth, in relation to Mean Low Water (MLW) (tidal waters) or Ordinary/seasonal Low Water (OLW) (non-tidal waters) for **each** mooring sites and the bottom of the boat ramp with surrounding bottom grade (if applicable). A Bathymetry survey (water depth survey) for the project may be appropriate.
- ☐ For Seawall/Shoreline Stabilization: Include geotextile fabric, anchors/tie backs, and other features (if applicable), clearly show type of existing shoreline and face-to-face distance between existing and proposed structures (inches or feet), and clearly show the slope ratio (horizontal: vertical)
- ☐ Show how the Applicant's structure will tie into neighboring structures or shoreline (if applicable)
- ☐ For Living Shorelines: Identify the proposed plant species. For each species, indicate the locations, spacing, and elevations relative to the mean high and low (for tidal waters) or ordinary/seasonal high or low (for non-tidal waters) water line

SCALE:1" = 50'

COMMERCIAL MARINA REPAIR/REBUILD

Application #

(OFFICIAL USE ONLY)



SAMPLE

JANUARY 2013 EXISTING DOCK A; 3,023 SF
DESTROYED IN SUMMER 2013 STORM

T.P.A. PERMIT
EXHIBIT

ALAFIA RIVER

RECEIVED
SEP 28 2017
ENVIRONMENTAL DEPT.

2017 EXISTING DOCK A
3,033 SF

MATCH LINE SHEET 4

MATCH LINE SHEET 3

EXISTING DOCK C;
750 SF

242.0

EXISTING DOCK B;
202 SF

EXISTING DOCK E FUEL/PUMPOUT DOCK (1,700 SF) TO BE REBUILT AS FIXED DOCKS, (800 SQ FT COVERED AREA TO REMAIN AS IS).

EXISTING DOCK D, 240 SF

PUMPOUT BUILDING

TANK

TANK

A

A'

SEE SHEET 6 FOR CROSS SECTION A-A'

Tue, 19 Sep 2017 - 12:43pm C:\Users\terriskapik\Documents\Interbay\INTERBAY MARINA 08-19-17.dwg

SHEET 2

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 755-5747
FAX (727) 735-7479

REVISED

REVISIONS:
1) PER PORT AUTHORITY RAI DATED 08-29-17

17-024

MHW +0.8' MLW -1.2'

ELEVATIONS REFERENCE NAVD 1988

INTER-BAY MOORINGS

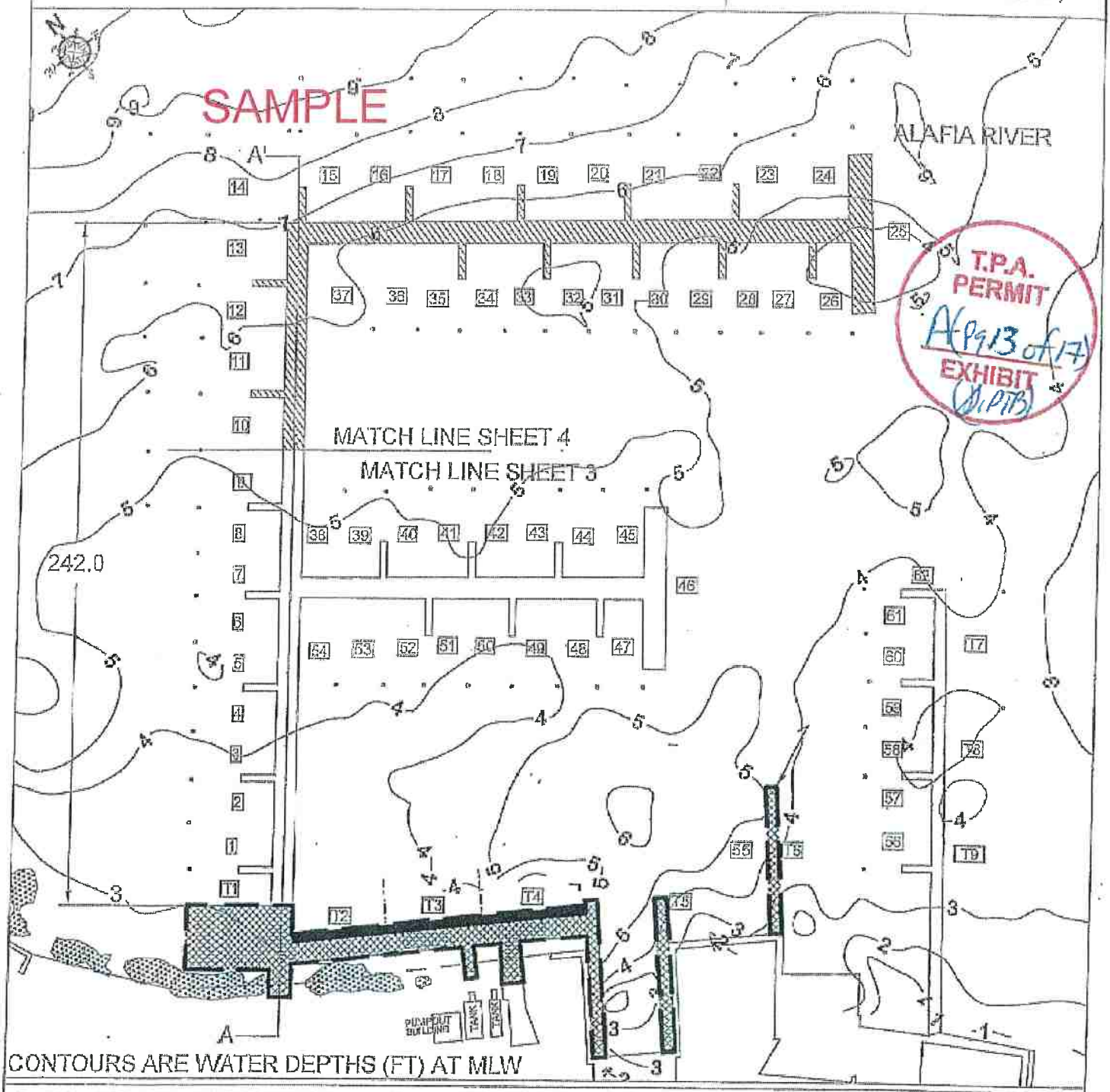
SUMMARY OF STRUCTURES TO BE REBUILT:
DOCK A = 6,056 SF (3,023 SF LOST IN STORM)
DOCK B = 202 SF; DOCK C = 750 SF
DOCK D = 240 SF; DOCK E = 1,700 SF;
RAMP 1 = 600 SF; AND RAMP 2 = 630 SF.
TOTAL = 10,178 SF
62 PERMANENT SLIPS AND
0 TEMPORARY SLIPS

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

RICHARD J. LEWSKI LICENSE No. 15586 STATE OF FLORIDA PROFESSIONAL ENGINEER

1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580-4341
FAX: (727) 530-3750

SCALE:1" = 50' COMMERCIAL MARINA REPAIR/REBUILD Application # (OFFICIAL USE ONLY)



Tue, 19 Sep 2017 - 1:06pm C:\Users\terriskapik\Documents\Interbay\INTERBAY MARINA 09-18-17.dwg SHEET 13

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

INTER-BAY MOORINGS

BATHYMETRY

RECEIVED
SEP 7 8 2017
ENVIRONMENTAL DEPT.

MHW +2.6' MLW -1.2'
ELEVATIONS REFERENCE NAVD-1988

REVISIONS:
1) PER PORT AUTHORITY RAI DATED 08-29-17
REVISED

17-024

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

RICHARD J. WASILEWSKI LICENSE No. 15686 STATE OF FLORIDA PROFESSIONAL ENGINEER

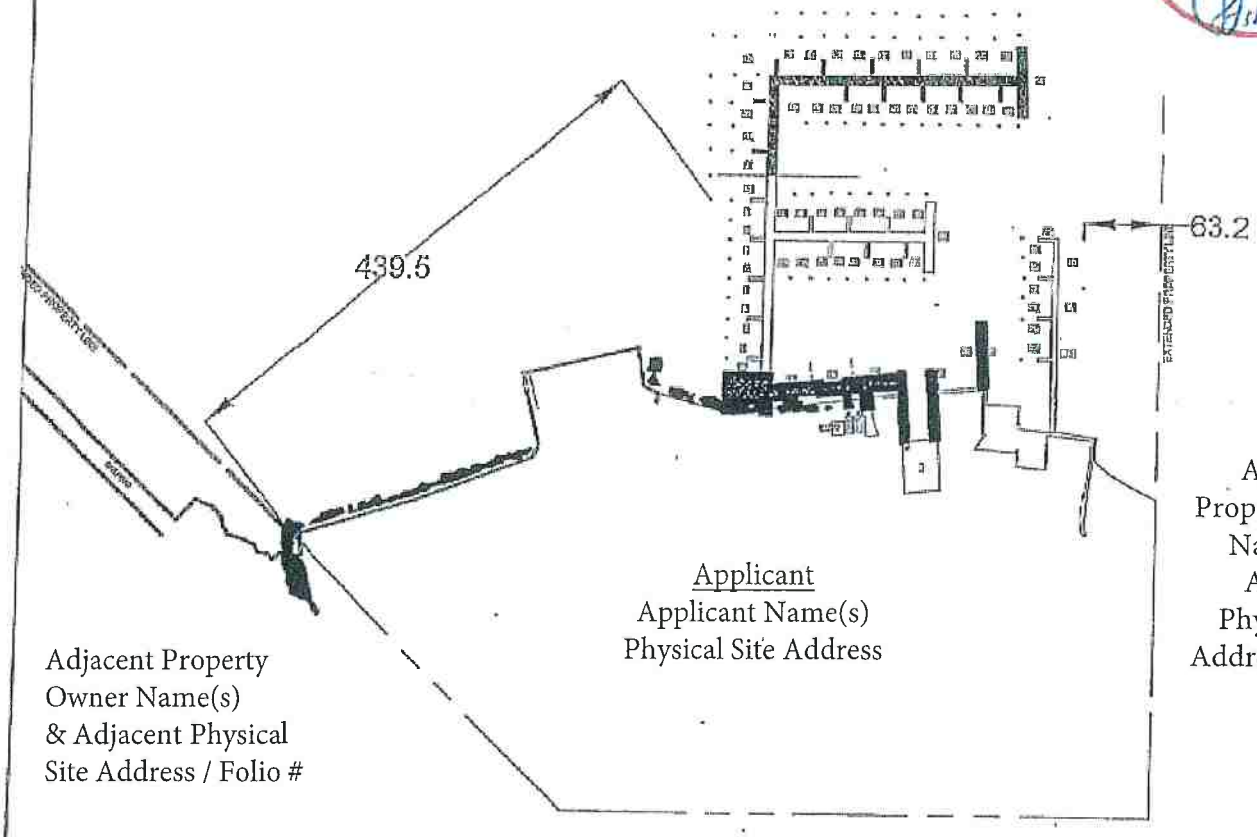
1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 530-4541
FAX: (727) 530-3780

SCALE:1" = 150' COMMERCIAL MARINA REPAIR/REBUILD Application # (OFFICIAL USE ONLY)

SAMPLE

ALAFIA RIVER

T.P.A. PERMIT
A(Pg. 14 of 17)
EXHIBIT
(Y.P.D)



Tue, 19 Sep 2017 - 12:45pm C:\Users\terriskapik\Documents\Interbay\INTERBAY MARINA 09-19-17.dwg SHEET 14

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH: (727) 786-9747
FAX: (727) 786-7479

INTER-BAY MOORINGS

SETBACKS

RECEIVED
SEP 28 2017
ENVIRONMENTAL DEPT.

REVISIONS:
1) PER PORT AUTHORITY RAI DATED 08-29-17

REVISED

17-024

MHW +0.8' MLW -1.2'
ELEVATIONS REFERENCE NAVD-1988

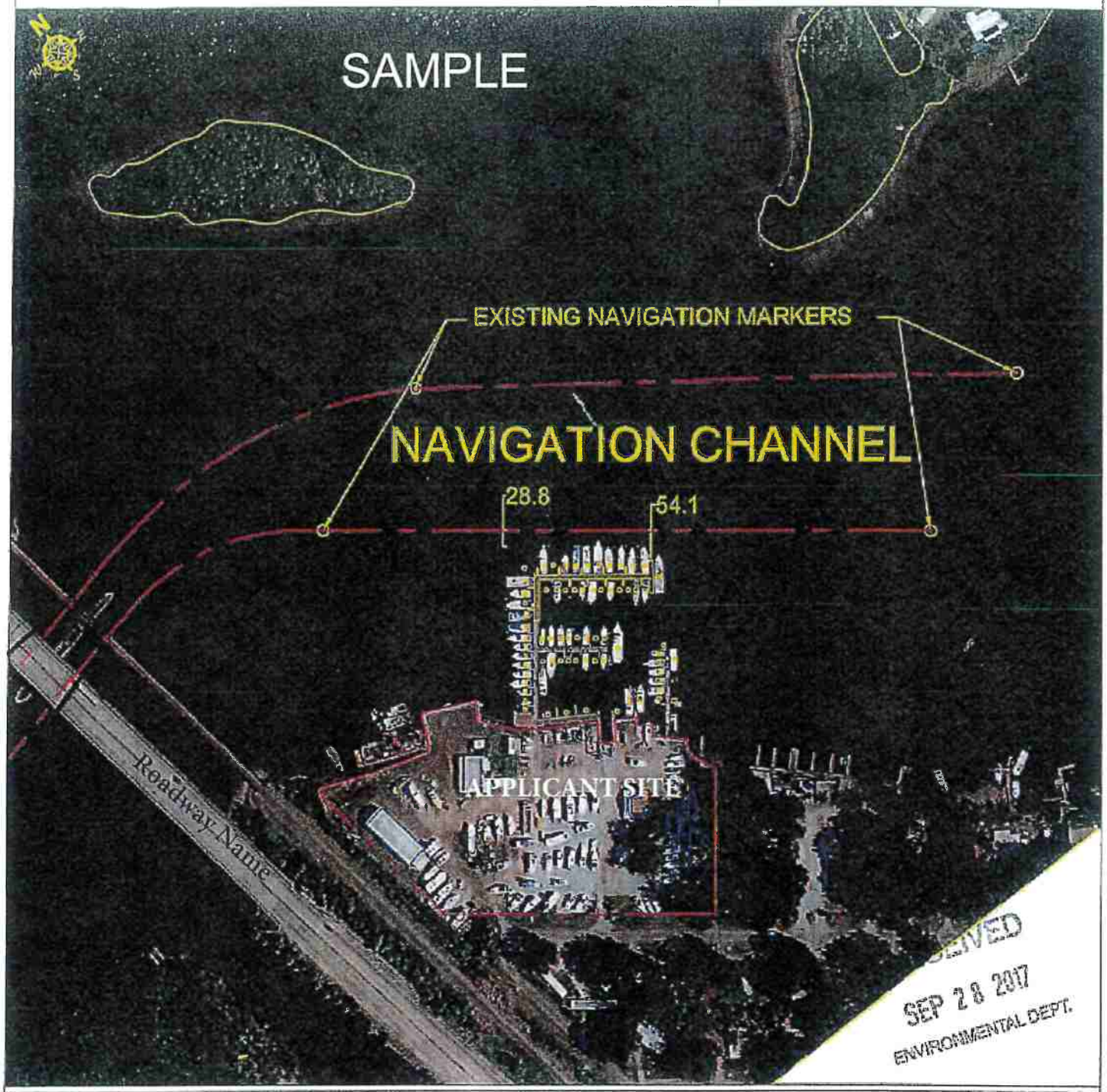
FLORIDA CERTIFICATE OF AUTHORIZATION #27664

RICHARD J. WASILEWSKI LICENSE 56586 STATE OF FLORIDA PROFESSIONAL ENGINEER

1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 536-4341
FAX: (727) 530-3790

'SCALE:1" = 250' COMMER IAL MARINA REPAIR/REBUILD

Application # _____ (OFFICIAL USE ONLY)



Tue, 19 Sep 2017 - 12:47pm C:\Users\terriskapik\Documents\Interbay\INTERBAY MARINA 09-19-17.dwg

SHEET 16

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 2
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

INTER-BAY MOORINGS

NAVIGATION EXHIBIT WITH 2006 AERIAL

REVISIONS
1) PER PORT AUTHORITY RAI DATED 08-29-17

T.P.A. PERMIT
EXHIBIT A (Pg. 16 of 17)

REVISED

17-024

MHW +0.6' MLW -1.2
ELEVATIONS REFERENCE NAVD-1988

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

RICHARD J. WASILEWSKI LICENSE NO. 55887 STATE OF FLORIDA PROFESSIONAL ENGINEER

1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580-4341
FAX: (727) 530-3790

PORT TAMPA BAY.

SUPPLEMENTAL FORM FOR DREDGE OR EXCAVATION OF SUBMERGED LANDS PROJECTS

Provide the following information for the dredge or excavation activities proposed for this project:

- Attach route map, as applicable. Provide method of transport details and transportation and access routes.

- For On-Site or Off-Site Upland Disposal/Storage of Material: Provide final disposal location or disposal contractor information. Provide the following information of scaled site plan drawing(s): show upland disposal area location, dimensions of spoil disposal berms, disposal methods, erosion control methods. If any self-contained temporary off-site upland storage area(s) are to be utilized, please supply detailed site, plan and profile drawings containing associated information.
    - Submit private signed upland property Owner(s) Authorization letter of any temporary/permanent spoil material storage site allowing use of their property to be utilized for storage.

- For Off-site Upland Disposal Facility for Material: Provide this agency with signed authorization letter(s) from the upland property owner(s) allowing use of their property to be utilized for storage as well as the State permit authorizing the site to be used as a disposal area, if applicable.

- **All Projects:** Indicate existing and/or proposed structures (i.e., seawall, dock, pilings, etc.) within and/or adjacent to the project area on plan drawings and any protection buffer proposed to structures, as applicable. **Please note that a minimum 10 ft buffer from natural resources or structures is typically required.*

- Provide project narrative to specify if any of the following dredging activities or combinations of activities will be used at this site: aeration tanks or basins, air strippers, wet scrubbers, incinerators, caustics or masking agents, or any other control procedures or technologies.

- Provide separate Project Narrative attachment explaining construction methodology and any other details for the proposed placement of filling for this project, as appropriate.

PORT TAMPA BAY

SUPPLEMENTAL FORM FOR DREDGE OR EXCAVATION OF SUBMERGED LANDS PROJECT

1. Contractor company name, company address, contact person name(s), 24 hrs/7 days phone number(s) and email address(es) to be contacted in the event of an emergency (i.e. conveyance pipeline leak, navigation hazard, or other construction related issues): _____

   _____

2. Presence of any ecological and/or natural resources (i.e., seagrasses, live hard bottom, oyster bar/bed, mangroves, etc.) in or adjacent to the project area? ☐ Yes (Show on Drawings with buffer) ☐ No

   ☐ Natural Resource Survey /Environmental Assessment Report is attached. Company that prepared survey/report and date of certified field survey: _____

   _____

   ☐ Bathymetry Survey indicating existing and proposed water depths / bottom grade elevations for the project area is attached. Indicate Company that prepared survey/report and date of certified field survey.

   ☐ Other Sediment Analysis/Geotechnical or Environmental Assessment Report(s) associated with this project is attached.

3. Method of Dredging or Excavation: ☐ Clam Shell Bucket ☐ Hydraulic ☐ Other: _____

4. Choose **ALL** that apply to project:
   ☐ In-Water construction equipment is to be used / Floating Barge
   ☐ Roll-off Containers
   ☐ Upland access equipment is to be used / Upland Staging Site. **Explain:**
   Must provide upland staging site Property Owner's Authorization, if different from Applicant.

5. Equipment size and other details: _____

6. Hours of In-Water Construction Operations: _____ to _____ / Days: _____

7. Disposal method(s) for dredged spoil material: : ☐ On-site Upland Temporary Storage

   ☐ Off-site Upland Disposal Facility ☐ Other Off-site Upland Private Property

8. Describe method of transportation & access route (if applicable) and attach map: _____

   _____

9. Dimensions of bermed onsite spoil material storage area (if applicable): _____

10. Dredged spoil material is to be used for other project(s) (i.e., beach re-nourishment, fill for upland development, etc.)? Specify project name and referenced permit/application number, if applicable.

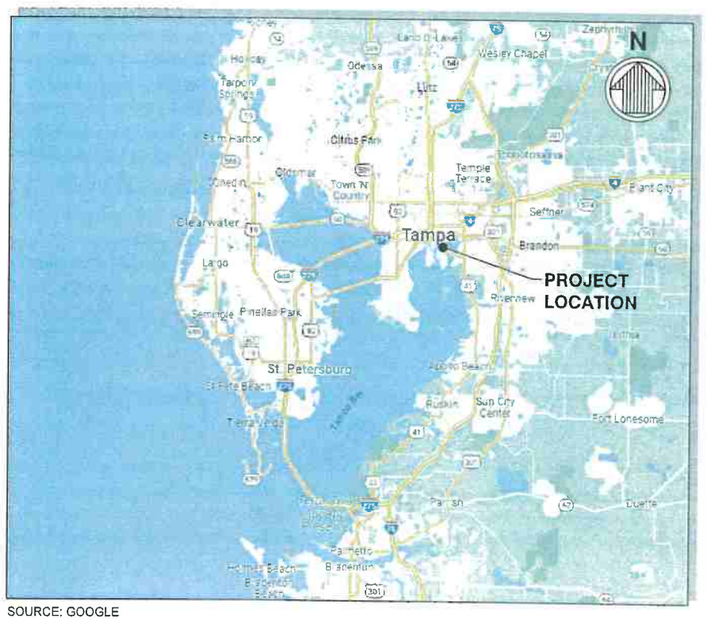
    ☐ Yes ☐ No _____

EXHIBIT #3 - SWPA 23-044 - PUBLIC HEARING

RIVERWALK DISTRICT WATERFRONT

SECTION 24, TOWNSHIP 29S, RANGE 18E

102 SOUTH PARKER STREET
TAMPA, FLORIDA 33606



SOURCE: GOOGLE

VICINITY MAP
N.T.S.

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES AND ABBREVIATIONS
3	G-101	OVERALL SITE PLAN 1
4	V-101	EXISTING CONDITIONS PLAN
5	C-101	DREDGING PLAN
6	C-102	LIVING SHORELINE PLAN
7	C-301	DREDGING AND LIVING SHORELINE SECTIONS
8	S-101	RIVERWALK UNDERPASS PLAN AND SECTION
9	S-102	FLOATING DOCK PLAN
10	S-301	TYPICAL DOCK AND TRANSITION AREA SECTIONS
11	S-302	DOCK AND LIVING SHORELINE SECTION 1
12	S-501	FLOATING DOCK DETAILS
13	S-502	GANGWAY DETAILS
14	S-503	AIDS TO NAVIGATION AND SIGN DETAILS 1



SOURCE: GOOGLE

LOCATION PLAN
N.T.S.

PREPARED BY:

moffatt & nichol
501 E KENNEDY BLVD
SUITE 1910
TAMPA, FL 33602
813-258-8818
LIC: EB-0004877

PREPARED FOR:

RELATED

2850 TIGERTAIL AVE.
SUITE 800
MIAMI, FL 33133
(305) 460-9900

23-044

REVISED
5/7/2024

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

RIVERWALK DISTRICT WATERFRONT

COVER SHEET

188

Rev. 1
Date 2023-03-29
M&N Project No. 220222
Drawing code:
Drawing Scale 1:1 (0 SHEET)
Plot scale: 1:1 (0 SHEET)
Designed by: TC
Drn by: CML
Chd by: BES
Reviewed by: NMS
Submitted by: NICOLE SHAW, PE MOFFATT & NICHOL

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

moffatt & nichol

SEAL

Sheet Reference No.
G-001
INDEX: 1 OF 14

File: C:\TA\220222\00 CADD_Active_waterfront permit\220222_G-001 ; Plotted: 5/22/2024 1:59 PM by LLOYD, CHRIS ; Saved: 5/22/2024 1:36 PM by CLLOYD

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND COVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2022 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
2. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
4. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
6. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
7. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
8. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
9. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.
10. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
11. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITY.
12. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
14. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY, SECURITY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT OSHA AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND OSHA TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND OWNER WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.
15. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
16. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS)TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE CITY AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
17. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS.
18. THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
19. IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE. THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
20. SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

23-044

SURVEY NOTES

1. ELEVATIONS SHOWN HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. HORIZONTAL COORDINATES ARE IN FEET AND REFERENCED TO FLORIDA STATE PLANE WEST ZONE (NAD 83).
3. UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
4. THE TIDAL DATUM RELATIONSHIP BASED ON FL NOAA VDATUM SOFTWARE, STATION 872-6693, HILLSBOROUGH RIVER ENTRANCE, FLORIDA.

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
MHHW	+ 1.06 FEET
MHW	+ 0.81 FEET
NAV88	0.00 FEET
MSL	- 0.16 FEET
MLW	-1.14 FEET
MLLW	-1.47 FEET

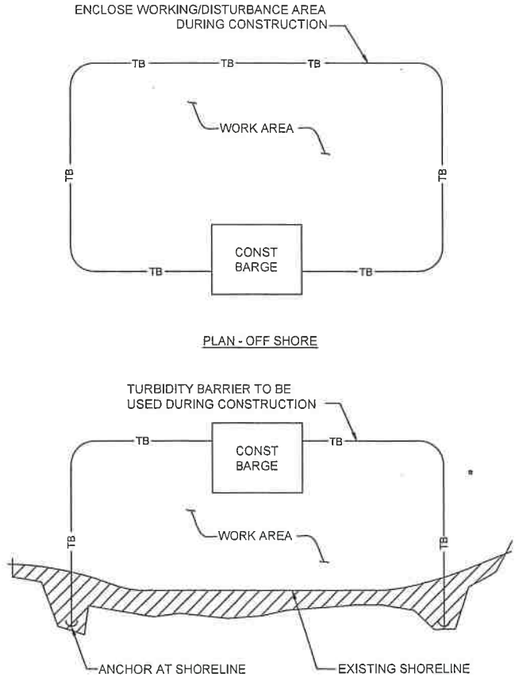
5. HYDROGRAPHIC SURVEY BY GEORGE F. YOUNG, DATED JUNE 9, 2022 AND IS ONLY INDICATIVE OF THE CONDITIONS EXISTING AT THAT TIME.
6. SITE SURVEY BY GEOPOINT SURVEYING, INC. DATED DECEMBER 2021.
7. AQUATIC RESOURCE SURVEY BY BREEDLOVE, DENNIS, AND ASSOCIATES DATED SEPTEMBER 2022.

WATER QUALITY MONITORING PLAN

1. WATER QUALITY MONITORING WILL BE CONDUCTED FOR TURBIDITY DURING DREDGING ACTIVITIES AT THREE TEST STATIONS: 1) BACKGROUND, 2) COMPLIANCE, AND 3) MIXING ZONE. THE BACKGROUND STATION SHALL BE LOCATED UPSTREAM OF THE PROJECT AREA OUTSIDE OF THE MIXING ZONE AND ANY TURBIDITY GENERATED BY DREDGING ACTIVITIES. THE COMPLIANCE STATION SHALL BE LOCATED OUTSIDE THE MIXING ZONE AND TURBIDITY BARRIERS DOWNDRIFT OF THE PROJECT AND IN THE DENSEST PORTION OF ANY VISIBLE TURBIDITY PLUME. THE MIXING ZONE STATION SHALL BE LOCATED INSIDE THE LIMITS OF THE MIXING ZONE AND THE TURBIDITY BARRIERS.
2. SHOULD THE COMPLIANCE TURBIDITY EXCEED THE BACKGROUND TURBIDITY BY 29 NEPHELOMETRIC TURBIDITY UNITS (NTU), WORK SHALL CEASE AND THE OWNER WILL BE NOTIFIED IMMEDIATELY. OPERATIONS SHALL NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS.
3. TESTING WITHIN THE LIMITS OF THE MIXING ZONE WILL BE CONDUCTED TO VERIFY COMPLIANCE WITH THE GREATER OF BACKGROUND AND STATE WATER QUALITY STANDARDS PRIOR TO REMOVAL OF THE TURBIDITY BARRIERS. ONCE DREDGING OPERATIONS ARE COMPLETE AND COMPLIANCE AT THE MIXING ZONE STATION IS MET, TESTING AT THE MIXING ZONE STATION MAY BE SUSPENDED.
4. WATER QUALITY TESTING SHALL OCCUR TWICE DAILY DURING DREDGING, AT LEAST FOUR HOURS APART, AT ALL THREE STATIONS UNTIL THE MIXING ZONE STATION IS IN COMPLIANCE FOR TURBIDITY. SAMPLES SHALL BE COLLECTED AT TWO FEET ABOVE THE MUDLINE AND TWO FEET BELOW THE WATER SURFACE AT EACH STATION AND SHALL BE ANALYZED WITHIN 30 MINUTES OF COLLECTION. THE ANALYZED DATA SHALL BE DOCUMENTED AND REPORTED TO THE APPROPRIATE REGULATORY AGENCIES WITHIN SEVEN DAYS AFTER COMPLETION OF EACH TEST. MONITORING REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION:
   - A. PERMIT NUMBER
   - B. DATES OF SAMPLING AND ANALYSIS
   - C. STATEMENT DESCRIBING METHODS USED IN COLLECTION, HANDLING, STORAGE, AND ANALYSIS OF THE SAMPLES
   - D. MAP INDICATING SAMPLE LOCATIONS
   - E. STATEMENT BY INDIVIDUAL RESPONSIBLE FOR THE IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA
   - F. CONSTRUCTION ACTIVITIES
5. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE:
   - A. TIME OF DAY
   - B. DEPTH OF WATER BODY
   - C. DEPTH OF SAMPLE
   - D. ANTECEDENT WEATHER CONDITIONS
   - E. TIDAL STAGE AND DIRECTION OF FLOW
   - F. WIND DIRECTION AND VELOCITY
6. IF MONITORING REVEALS WATER QUALITY LEVELS AT THE COMPLIANCE STATION IN EXCESS OF THE GREATER OF THE BACKGROUND STATION LEVELS AND THE STATE STANDARDS, DREDGING ACTIVITIES SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TEST RESULTS HAVE RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED IN ACCORDANCE WITH THE PERMIT CONDITIONS.
7. SWFWMD-APPROVED FLOCCULANTS MAY BE USED TO ENHANCE SETTLING OF DREDGED MATERIAL SOLIDS.

ENVIRONMENTAL NOTES

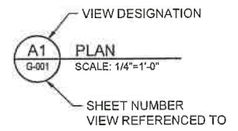
1. TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



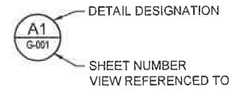
DETAIL - TURBIDITY CONTROL BARRIER

ABBREVIATIONS

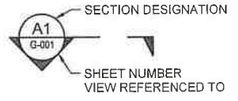
CL	= CENTERLINE
DBL	= DOUBLE
EA	= EACH
EL	= ELEVATION
EMBED	= EMBEDMENT
EQ	= EQUAL
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
GALV	= GALVANIZED
LG	= LONG
MAX	= MAXIMUM
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MIN	= MINIMUM
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
P/C	=PRECAST CONCRETE
PL	= PLATE
SPA	= SPACES
SS	= STAINLESS STEEL
TYP	= TYPICAL
UON	= UNLESS OTHERWISE NOTED
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
Ø	= DIAMETER



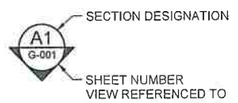
VIEW TITLE



DETAIL CALLOUT



SECTION CALLOUT



ELEVATION VIEW

REVISED
5/7/2024

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

Rev.	Date	Description	Appr.
1	2023-03-29		

RIVERWALK DISTRICT WATERFRONT

GENERAL NOTES AND ABBREVIATIONS

189

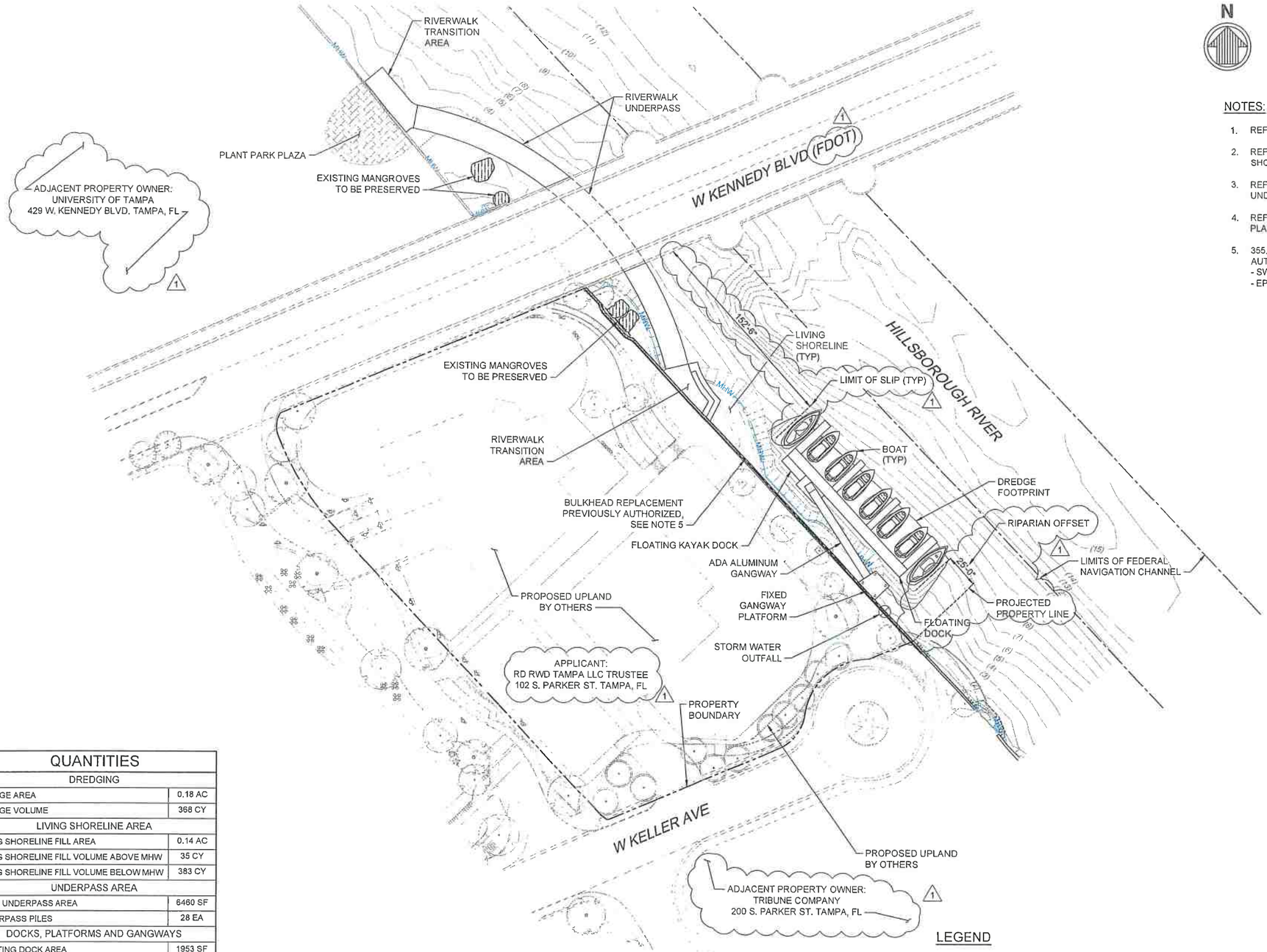
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.223.3919
moffatt & nichol REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Designed by:	TC
Drawn by:	CML
Reviewed by:	NMS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Checked by	BES
Date	2023-03-29
M&N Project No.	220222
Drawing code:	
Drawing Scale	1:1 (D SHEET)
Plot scale	1:1 (D SHEET)

SEAL

Sheet Reference No.
G-002
INDEX: 2 OF 14

File: O:\TA\220222\00 CADD_Active_waterfront permit\220222_G-002.; Plotted: 5/2/2024 1:59 PM by LLOYD, CHRIS ; Saved: 12/5/2023 5:26 PM by RWILLIAMS



NOTES:

1. REFER TO C-101 FOR DREDGING PLAN.
2. REFER TO C-102 FOR LIVING SHORELINE PLAN.
3. REFER TO S-101 FOR RIVERWALK UNDERPASS PLAN.
4. REFER TO S-102 FOR FLOATING DOCKS PLAN.
5. 355.5 LF OF BULKHEAD REPLACEMENT AUTHORIZED UNDER:
   - SWFWMD EXEMPTION FILE NO. 858700.
   - EPC MINOR WORK PERMIT NO. 76094.

QUANTITIES	
DREDGING	
DREDGE AREA	0.18 AC
DREDGE VOLUME	368 CY
LIVING SHORELINE AREA	
LIVING SHORELINE FILL AREA	0.14 AC
LIVING SHORELINE FILL VOLUME ABOVE MHW	35 CY
LIVING SHORELINE FILL VOLUME BELOW MHW	383 CY
UNDERPASS AREA	
FIXED UNDERPASS AREA	6460 SF
UNDERPASS PILES	28 EA
DOCKS, PLATFORMS AND GANGWAYS	
FLOATING DOCK AREA	1953 SF
GANGWAY AREA	486 SF
FIXED GANGWAY PLATFORM AREA	245 SF
DOCK GUIDE PILES	12 EA
PLATFORM PILES	4 EA

REVISED
5/7/2024

25-044

LEGEND

- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- MHW MEAN HIGH WATER LINE
- STORM WATER OUTFALL
- PROPERTY BOUNDARY

40' 0' 40' 80'
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

Mark	PTB Rel	Description	Date	Appr.
1			2023-03-29	

RIVERWALK DISTRICT WATERFRONT

OVERALL SITE PLAN

190

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

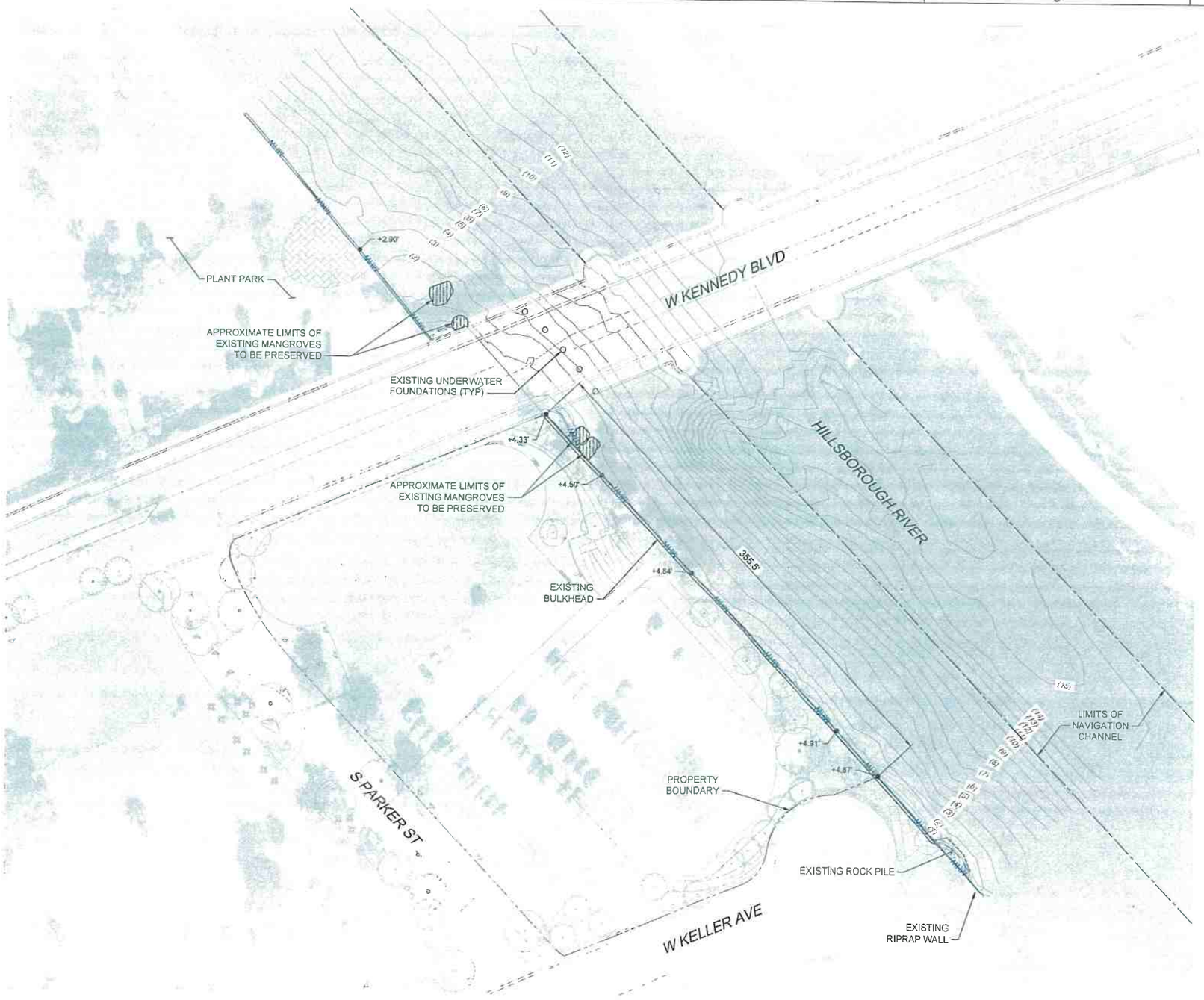
Designed by:	Cad by:	Reviewed by:	Submitted by:	Date	M&N Project No.	Drawing date:	Drawing Scale	Rev.
TC	BES	NMS	NICOLE SHAW, PE MOFFATT & NICHOL	2023-03-29	220222		Plot scale: 1:1 (D SHEET)	1
Drawn by: CML								

SEAL

Sheet Reference No.
G-101

INDEX: 3 OF 14

File: C:\TAU220222\200 CADD_Active_waterfront permit\220222_G-101 ; Plotted: 5/2/2024 2:00 PM by LLOYD, CHRIS ; Saved: 12/6/2023 4:44 PM by RWILLIAMS



REVISED
5/7/2024

23-044

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

Rev.	Description	Date	Appr.
1			

RIVERWALK DISTRICT WATERFRONT

EXISTING CONDITIONS PLAN

191

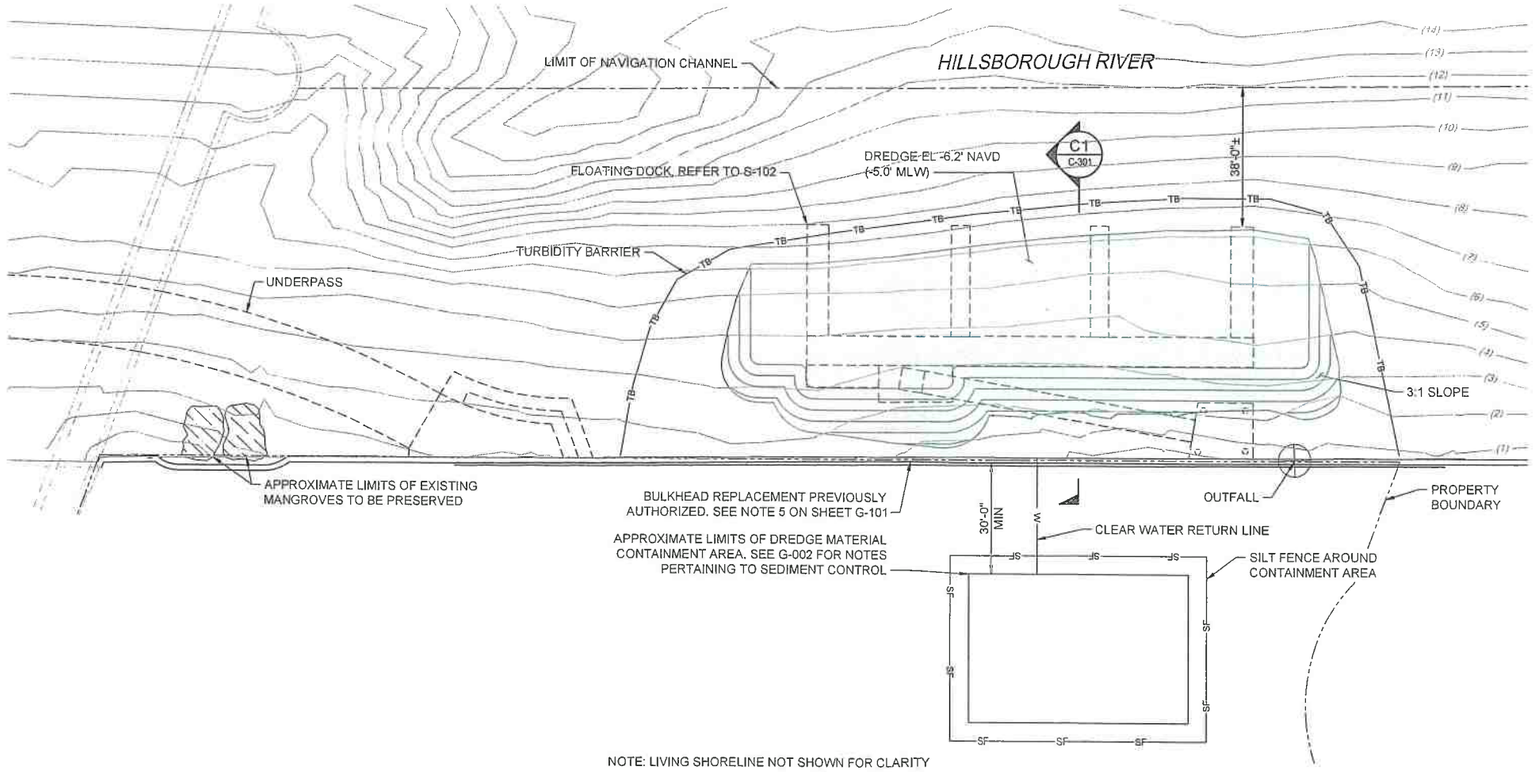
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Designed by:	Drawn by:	Checked by:	Reviewed by:	Submitted by:	Date:	M&N Project No.	Drawing code	Drawing Scale	Plot scale
TC	CML	BES	NMS	NICOLE SHAW, PE MOFFATT & NICHOL	2023-03-29	230222			1:1 (D SHEET)

SEAL

Sheet Reference No.
V-101
INDEX: 4 OF 14

File: Q:\TA\230222\230 CADD_Active_waterfront permit\230222_V-101 ; Plotted: 5/2/2024 2:00 PM by: LLOYD, CHRIS ; Saved: 12/6/2023 4:45 PM by: RWILLIAMS



NOTE: LIVING SHORELINE NOT SHOWN FOR CLARITY

B2 / C-101 DREDGING PLAN
SCALE: 1"=20'

NOTES:

1. LOCATION AND FINAL DIMENSIONS OF CONTAINMENT AREA IS APPROXIMATE. CONTRACTOR TO CONFIRM LOCATION AND FINAL DIMENSIONS ON-SITE BASED ON UPLAND AVAILABILITY AND DREDGING RATES.
2. DREDGED MATERIAL WILL BE PLACED ON SITE IN CONTAINMENT AREA AND REUSED AS BACKFILL ON SITE. MAXIMUM STACKING HEIGHT FOR CONTAINMENT AREA IS 10 FEET.
3. MAXIMUM ALLOWABLE OVERDREDGE DEPTH IS 1'-0".
4. REFER TO SHEET G-101 FOR QUANTITIES.

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- APPROXIMATE DREDGE AREA
- TB — TURBIDITY BARRIER
- SF — SILT FENCE
- W — CLEAR WATER RETURN LINE

20' 0' 20' 40'
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

REVISED
5/7/2024

23-044

RELATED

Rev	Description	Date	App
1		2023-03-29	

RIVERWALK DISTRICT WATERFRONT

DREDGING PLAN

192

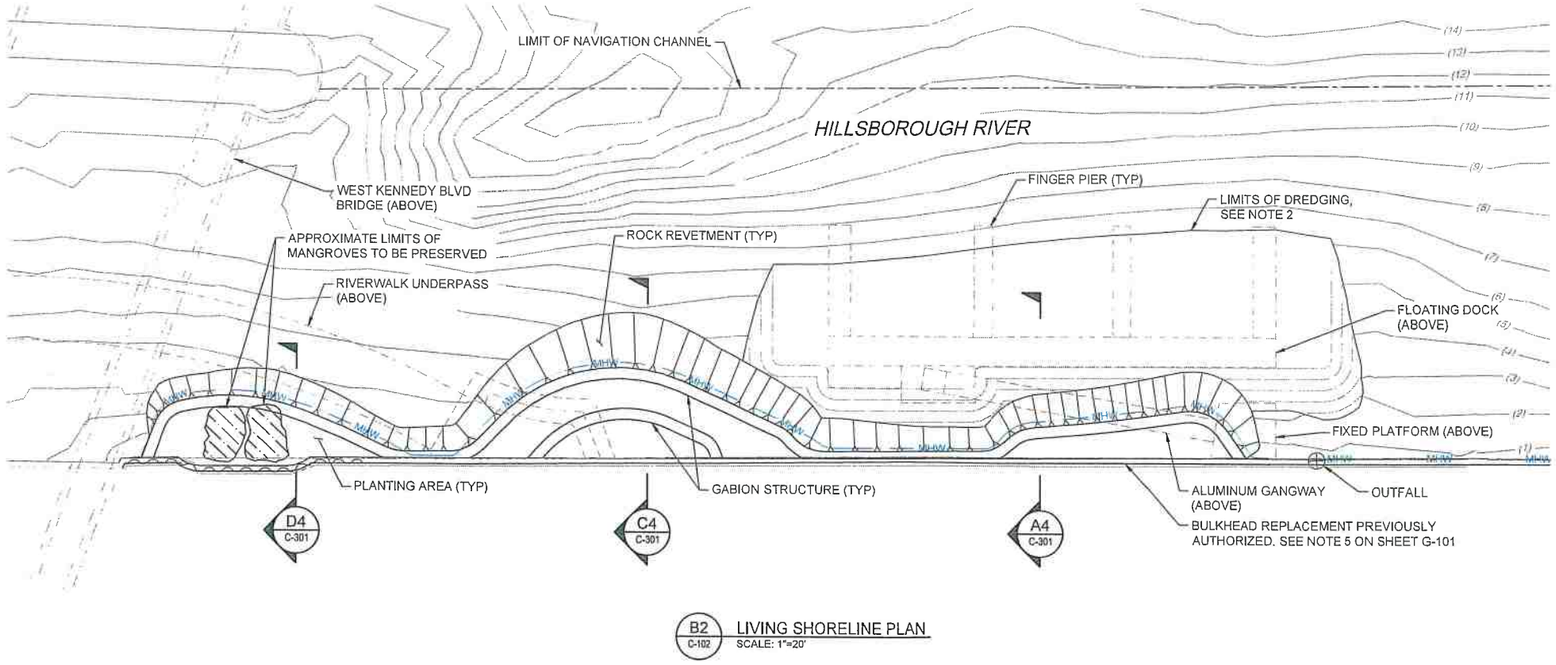
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.254.4461
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Designed by	Drawn by	Reviewed by	Submitted by	Date	M&N Project No.	Drawing code	Drawing Scale	Rev
TC	CML	NMS	NICOLE SHAW, PE MOFFATT & NICHOL	2023-03-29	220222		1:1 (D SHEET)	1

SEAL

Sheet
Reference No.
C-101
INDEX: 5 OF 14

File: QITA\220222\20 CADD_Active_waterfront permit\220222_C-101.rvt Plotted: 5/2/2024 2:01 PM by LLOYD, CHRIS Saved: 12/5/2023 5:22 PM by RWILLIAMS



B2 / C-102 LIVING SHORELINE PLAN
SCALE: 1"=20'

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.
2. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.

LEGEND

(8)	CONTOUR LINE
—MHW—	MEAN HIGH WATER LINE
— · —	NAVIGATION CHANNEL LINE

20' 0' 20' 40'
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

REVISED
5/7/2024 (8)

23-044

RELATED

No.	Description	Date	Appr.

RIVERWALK DISTRICT WATERFRONT

LIVING SHORELINE PLAN

193

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.225.8318
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

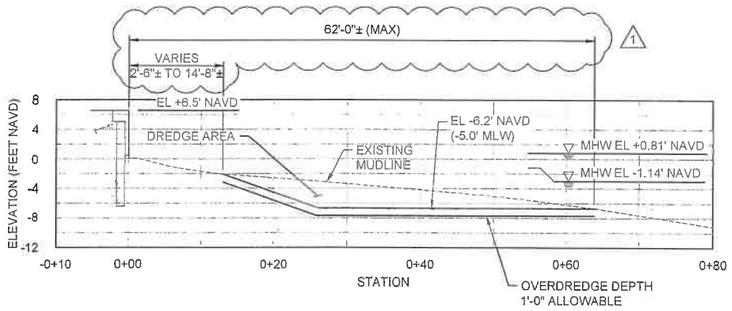
Designed by: TC	Chd by: BES	Rev.	1
Dwn by: CML	Reviewed by: NMS	Date:	2023-03-29
Submitted by: NICOLE SHAW, PE MOFFATT & NICHOL		M&N Project No.	220222
		Drawing code:	
		Drawing Suite:	
		Plot scale:	1:1 (D SHEET)

SEAL

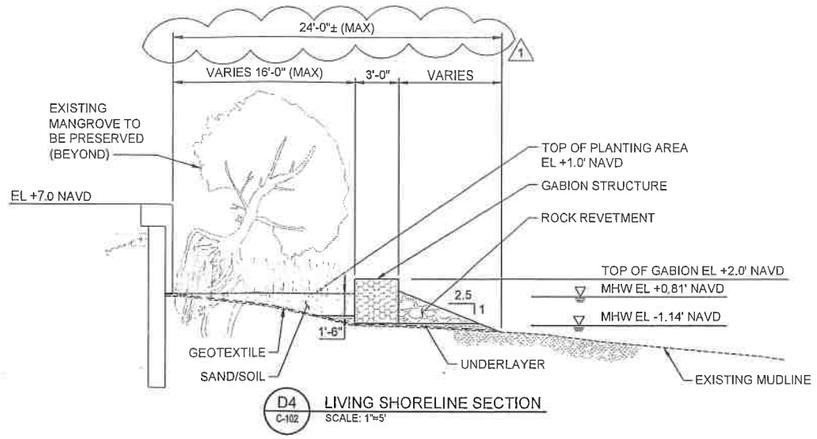
Sheet Reference No.
C-102

INDEX: 6 OF 14

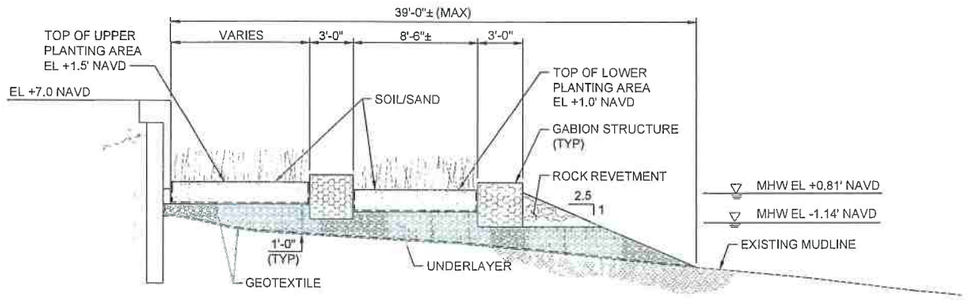
File: Q:\TA\220222\20 CADD_Active_waterfront permit\220222_C-102 ; Plotted: 5/2/2024 2:01 PM by LLOYD, CHRIS ; Saved: 12/9/2023 5:20 PM by RWILLIAMS



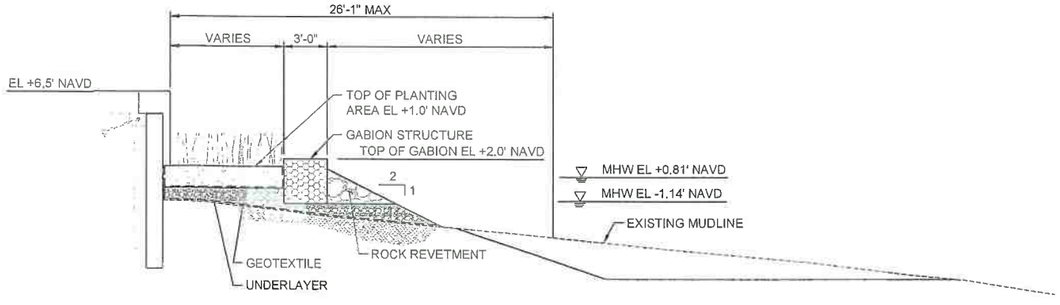
C1 C-101 DREDGING SECTION
SCALE: 1"=10'



D4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'



C4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'



A4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'

LEGEND

- SAND/SOIL
- UNDERLAYER
- GABION STRUCTURE
- ROCK REVETMENT
- EXISTING GROUND
- DREDGE AREA

REVISED
5/7/2024 (BT)

23-044

5' 0' 5' 10'
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

Mark	PTB (SA)	Description	Date	App.

RIVERWALK DISTRICT WATERFRONT

DREDGING AND LIVING SHORELINE SECTIONS

194

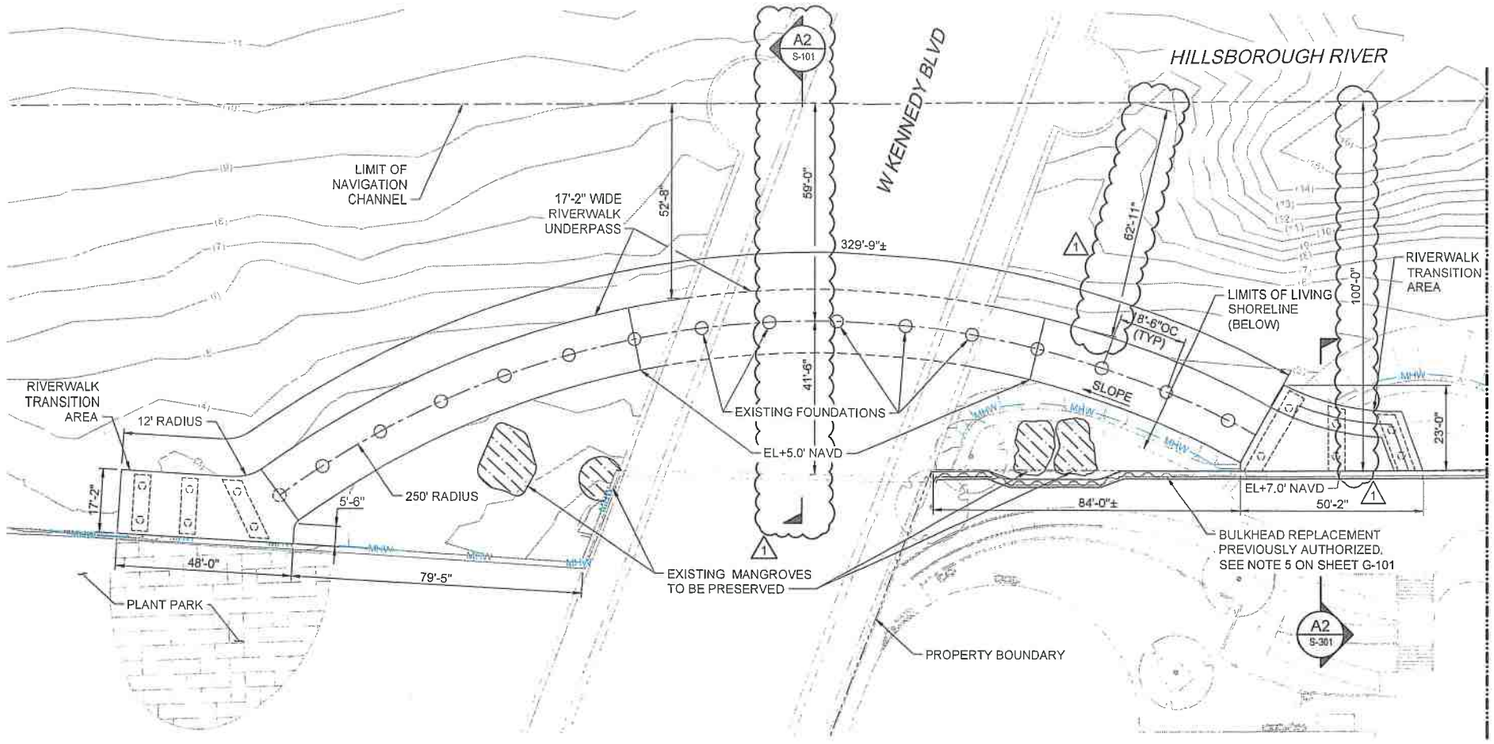
Designed by	Date	Rev.
TC	2023-03-29	1
Drawn by: CML	Chkd by: BES	M&N Project No. 220222
Reviewed by NMS		Drawing Issue
Submitted by NICOLE SHAW, PE MOFFATT & NICHOL		Drawing Scale: Plot scale: 1:1 (0 SHEET)

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

SEAL

Sheet Reference No.
C-301
INDEX: 7 OF 14

File: Q:\TA\220222\0 CADD_Active_waterfront permit\220222_C-301 ; Plotted: 5/22/2024 2:02 PM by LLOYD, CHRIS ; Saved: 5/22/2024 1:40 PM by LLOYD



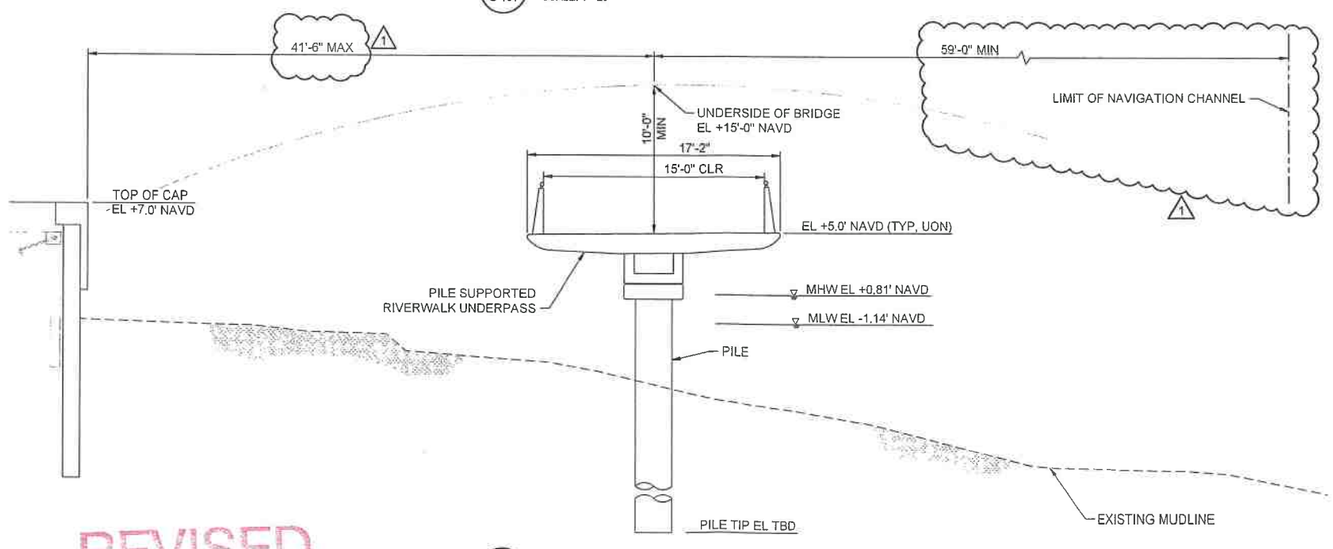
MATCH LINE - SEE SHEET S-102

N

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.

C2 G-101 **RIVERWALK UNDERPASS PLAN**
SCALE: 1"=20'



A2 S-101 **RIVERWALK UNDERPASS SECTION**
SCALE: 1"=5'

REVISED
5/7/2024

23-044

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- MANGROVE CANOPY
- PILE

10' 0' 10' 20'
GRAPHIC SCALE

40' 0' 40' 80'
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

Mark	Description	Date	Appr
1	PTB RAI	2023-03-29	

RIVERWALK DISTRICT WATERFRONT

RIVERWALK UNDERPASS PLAN AND SECTION

195

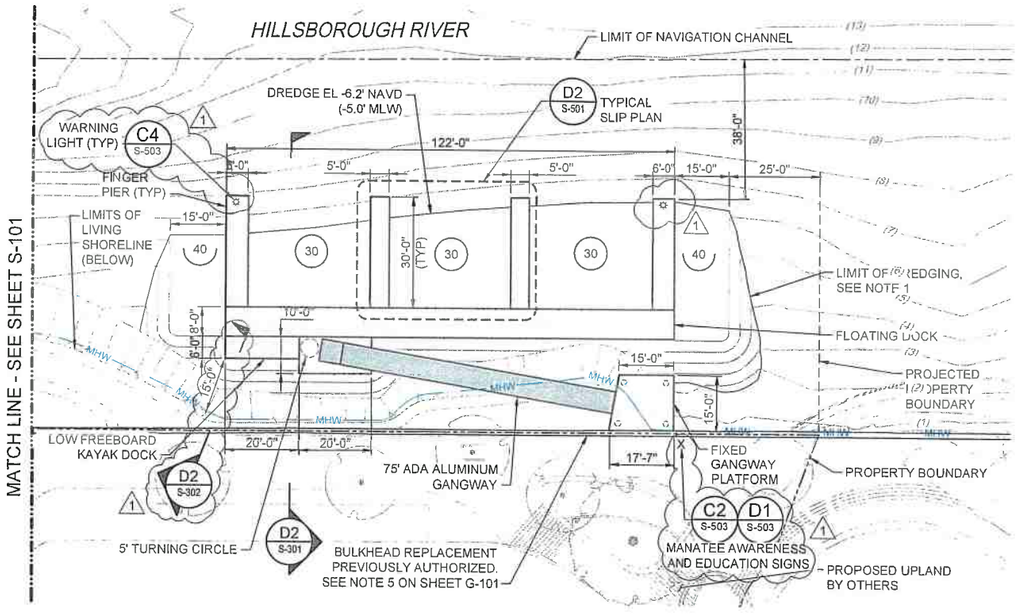
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Rev.	Date	Designed by	Drawn by	Checked by	Reviewed by	Submitted by	Drawing code	Drawing Scale	Plot scale
1	2023-03-29	TC	CML	BES	NMS	NICOLE SHAW, PE MOFFATT & NICHOL	M&N Project No. 230222		1:1 (D SHEET)

SEAL

Sheet Reference No.
S-101
INDEX: 8 OF 14

File: C:\TA\230222\230_CADD_Active_waterfront permit\230222_S-101.rvt Plotted: 5/2/2024 2:03 PM by LLOYD, CHRIS Saved: 3/13/2024 10:11 AM by CLLOYD



B2 / G-101 FLOATING DOCK PLAN
SCALE: 1"=20'

N

NOTES:

1. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.

SLIP MIX	
SIZE	NO.
30'	6
40'	2
TOTAL	8

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- 30 DOUBLE SLIP + SIZE
- 40 SIDE-TIE SLIP + SIZE
- MHW MEAN HIGH WATER LINE
- 1 WARNING LIGHT

20' 0' 20' 40'
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

REVISED
5/7/2024

23-044

RELATED

Mark	Description	Date	Appr.
1	PTB RAI		

RIVERWALK DISTRICT WATERFRONT

FLOATING DOCK PLAN

196

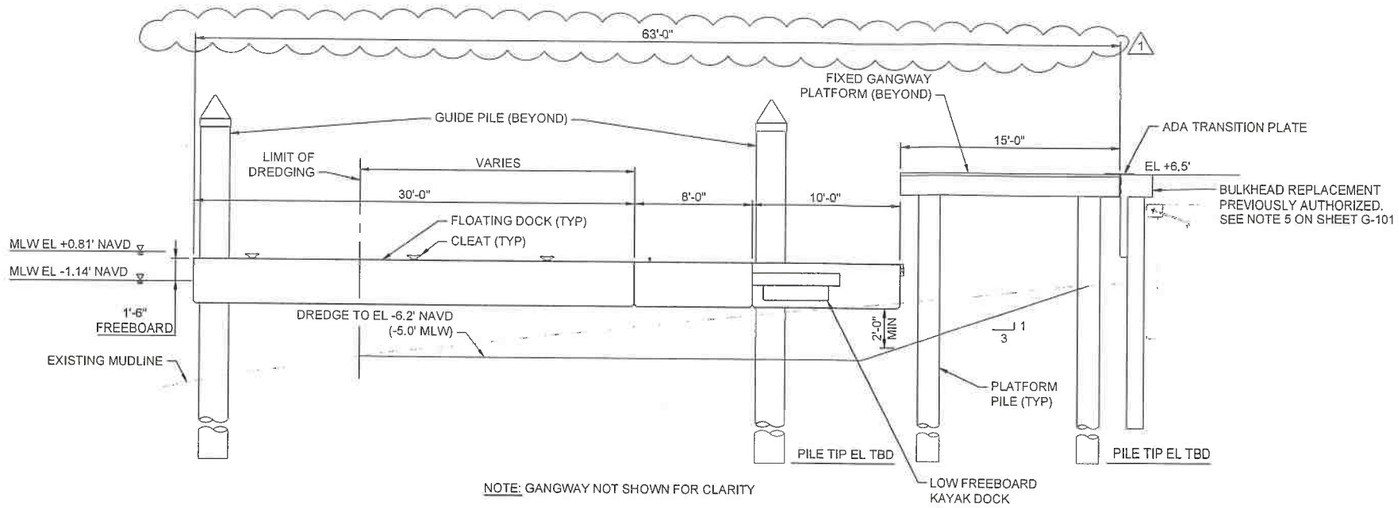
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Rev.	1		
Date	2023-03-29	Designed by	TC
M&N Project No.	220222	Dwn by	CML
Drawing Code		Cad by	BES
Drawing Scale		Reviewed by	NMS
Plot scale	1:1 (0 SHEET)	Submitted by	NICOLE SHAW, PE MOFFATT & NICHOL

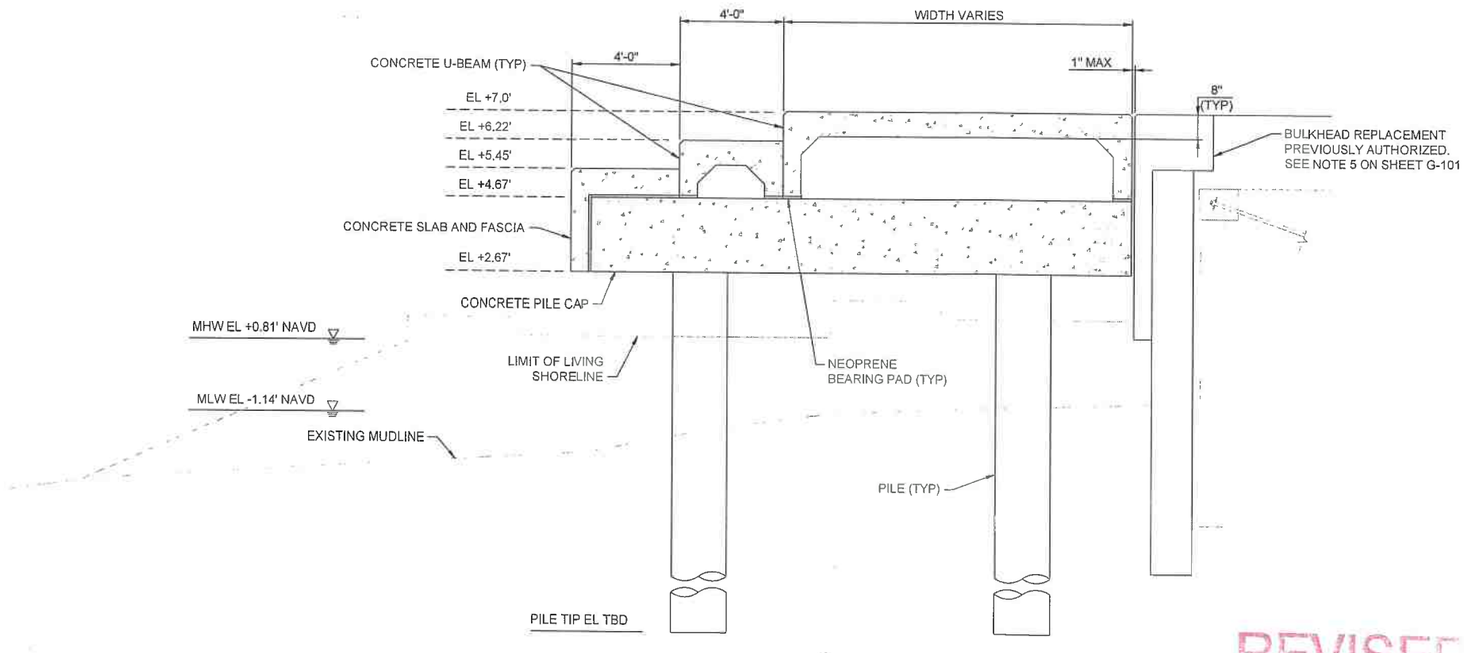
SEAL

Sheet Reference No.
S-102
INDEX: 9 OF 14

File: G:\TA\220222\20 CADD_Active_waterfront permit\220222_S-102 ; Plotted: 5/2/2024 2:04 PM by LLOYD, CHRIS ; Saved: 5/2/2024 1:57 PM by CLLOYD



D2 / S-102 FLOATING DOCK SECTION
SCALE: 1"=5'



NOTE: SAFETY RAILING NOT SHOWN, TYPE TO BE SPECIFIED BY ARCHITECTURAL DRAWINGS

A2 / S-101 RIVERWALK TRANSITION SECTION
SCALE: 1/2"=1'-0"

23-044

REVISED
5/7/2024

5' 0' 5' 10'
GRAPHIC SCALE

2'-0" 0'-0" 2'-0" 4'-0"
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RELATED

Mark	Description	Date
1	PTB BM	Date

RIVERWALK DISTRICT
WATERFRONT

TYPICAL DOCK AND
TRANSITION AREA
SECTIONS

197

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

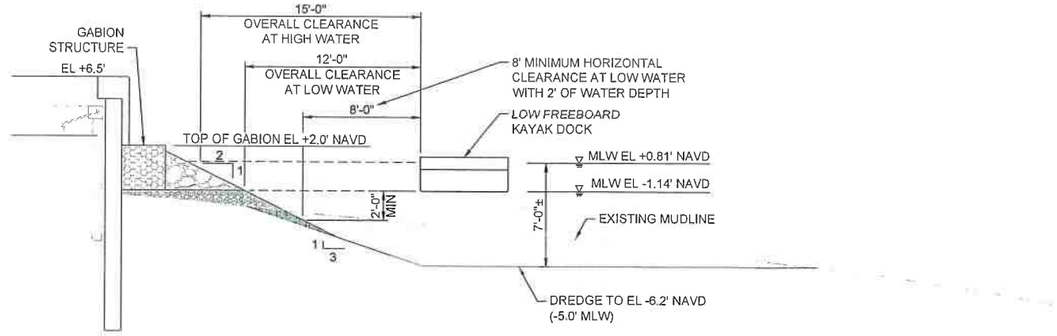
Designed by:	TC
Drawn by:	CML
Chkd by:	BES
Reviewed by:	NMS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
Date:	2023-03-29
M&N Project No.	220222
Drawing scale:	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)
Rev.	1

SEAL

Sheet
Reference No.
S-301

INDEX: 10 OF 14

File: C:\TA\220222\00 CADD_Active_waterfront permit\220222_S-301 .Plotted: 5/2/2024 2:04 PM by LLOYD, CHRIS - Saved: 5/2/2024 1:38 PM by CLLOYD



D2 / S-101 SECTIO - LIVING SHORELINE AND DOCKS
SCALE: 1"=5'

1

REVISED
5/7/2024

23-044

5' 0' 5' 10'
SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED: 2023-03-29

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RELATED

Mark	Description	Date	Appr.
1	PTB RAI		

RIVERWALK DISTRICT
WATERFRONT

DOCK AND LIVING
SHORELINE SECTION

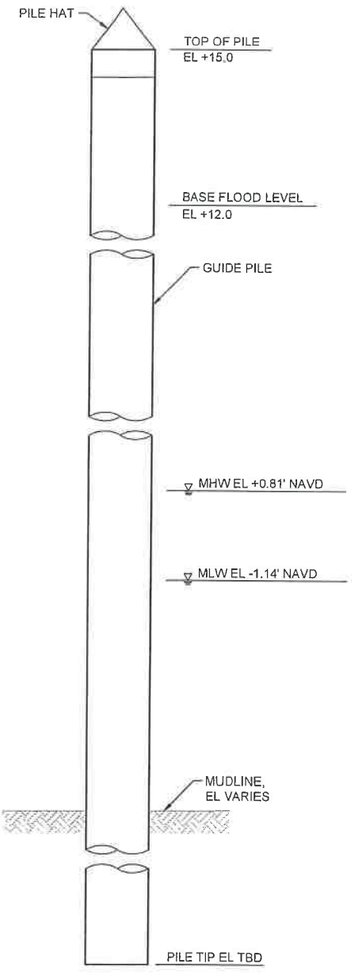
moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-4818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Designed by	TC
Drawn by	CML
Chkd by	BES
Reviewed by	NMS
Submitted by	NICOLE SHAW, PE MOFFATT & NICHOL
Date	2024-05-02
M&N Project No.	220222
Drawing code	
Drawing Scale	
Plot scale	1:1 (0 SHEET)
Rev.	1

SEAL

Sheet
Reference No.
S-302
INDEX: 11 OF 14

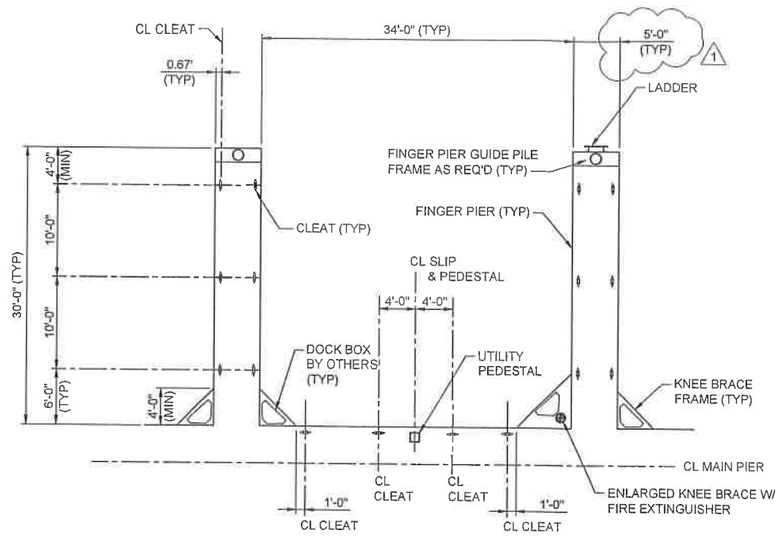
File: G:\TA\2022\220 CAD\D_Arch_waterfront permit\220222_S-302 - Plotted: 5/2/2024 2:05 PM by LLOYD, CHRIS - Saved: 5/2/2024 1:36 PM by LLOYD



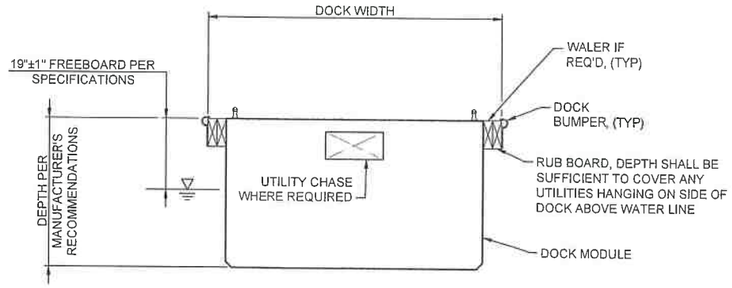
GUIDE PILE NOTE:

THE GUIDE PILE LENGTHS, NUMBERS, LOCATIONS, SIZE, AND WALL THICKNESS SHALL BE BASED ON THE PILE DESIGN REQUIREMENTS. DOCK MANUFACTURER'S ENGINEER OF RECORD SHALL DETERMINE THE SIZE, LENGTH AND LOCATIONS OF GUIDE PILES.

A1 / S-501 DETAIL - GUIDE PILE
SCALE: 3/4" = 1'-0"



D2 / S-102 TYPICAL SLIP PLAN
SCALE: 1/8" = 1'-0"



NOTES:

1. DOCK MODULE CONNECTION SYSTEM SHALL BE DETERMINED BY DOCK MANUFACTURER IN ACCORDANCE WITH SPECIFICATIONS.

A3 / S-501 SECTION - FLOATING DOCK
SCALE: 1/2" = 1'-0"

REVISED
5/7/2024

4' 0'-0" 4' 8'
GRAPHIC SCALE

2' 0'-0" 2' 4'
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

23-044

RELATED

Mark	Description	Date	App.
1	PTR RAI		

RIVERWALK DISTRICT WATERFRONT

FLOATING DOCK DETAILS

199

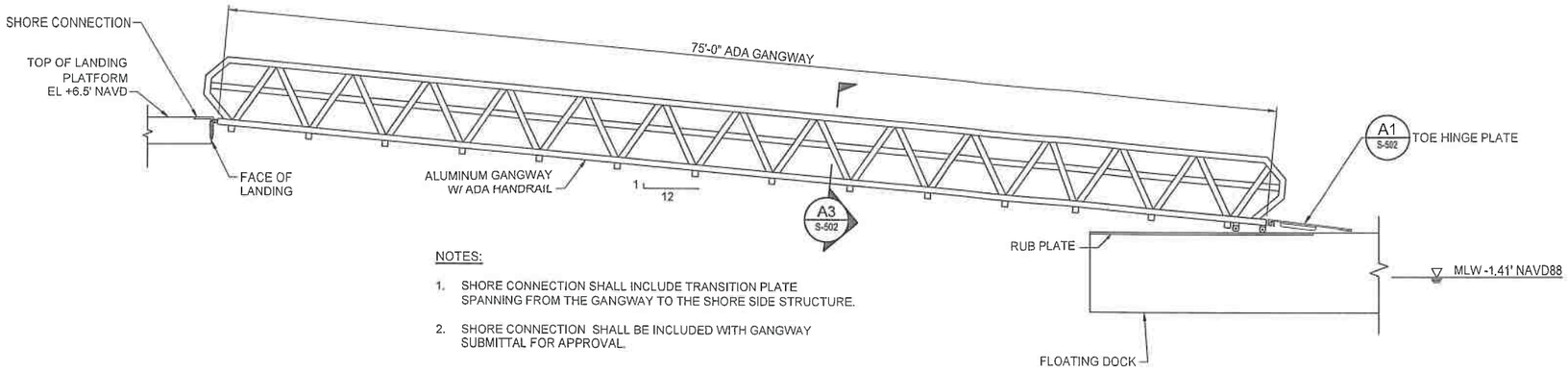
Designed by	TC
Drawn by	CML
Cod'd by	BES
Reviewed by	NMS
Submitted by	NICOLE SHAW, PE MOFFATT & NICHOL
Date	2023-03-29
M&N Project No.	220222
Drawing code	
Drawing Scale	
Plot scale	1:1 (D SHEET)
Rev.	1

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

SEAL

Sheet Reference No.
S-501
INDEX: 12 OF 14

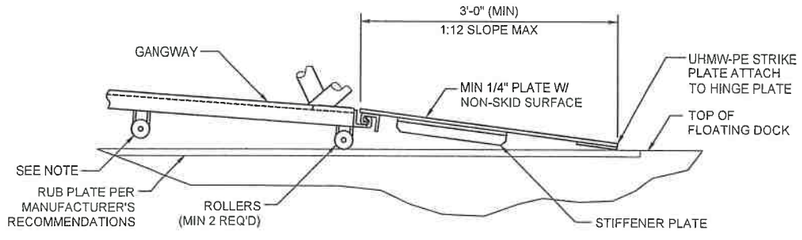
File: O:\TA\220222\00 CADD_Active_waterfront permit\220222_S-501.rvt Plotted: 5/2/2024 2:05 PM by LLOYD, CHRIS - Saved: 12/5/2023 5:04 PM by RWILLIAMS



NOTES:

1. SHORE CONNECTION SHALL INCLUDE TRANSITION PLATE SPANNING FROM THE GANGWAY TO THE SHORE SIDE STRUCTURE.
2. SHORE CONNECTION SHALL BE INCLUDED WITH GANGWAY SUBMITTAL FOR APPROVAL.

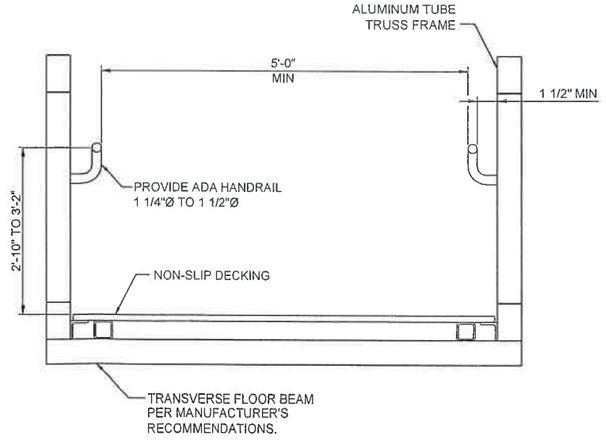
D1 S-102 ELEVATION - TYPICAL GANGWAY
SCALE: 1/4"=1'-0"



NOTE:

CONTRACTOR SHALL PROVIDE A SECONDARY ROLLER/SUPPORT TO ACCOMMODATE HIGH WATER EVENTS.

A1 S-502 DETAIL - TOE HINGE PLATE
SCALE: 3/4"=1'-0"



A3 S-502 SECTION - ALUMINUM GANGWAY
SCALE: 1"=1'-0"

2'-0" 0'-0" 1'-0" 2'-0"
GRAPHIC SCALE

4'-0" 0'-0" 4'-0" 8'-0"
GRAPHIC SCALE

1'-0" 0'-0" 1'-0" 2'-0"
GRAPHIC SCALE

PERMIT DRAWINGS
ISSUED: 2023-03-29

REVISED
5/7/2024

23-044

RELATED

Mark	Description	Date	Appr.
—	—	—	—

RIVERWALK DISTRICT WATERFRONT

GANGWAY DETAILS

200

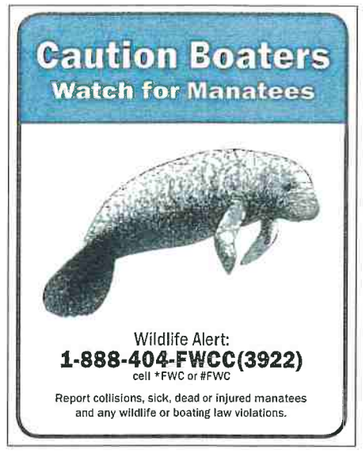
Designed by:	Date:	Rev.
TC	2023-03-29	—
Drawn by:	Chkd by:	M&N Project No.
CML	BES	220222
Reviewed by:		Drawing date:
NMS		
Submitted by: NICOLE SHAW, PE MOFFATT & NICHOL		Drawing Scale: Plot scale 1:1 (D SHEET)

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

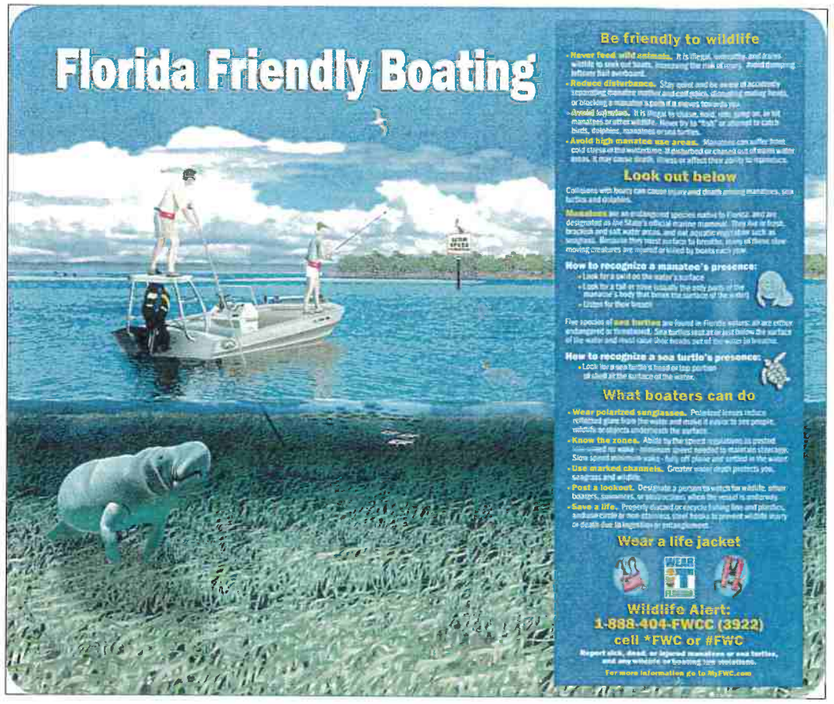
SEAL

Sheet Reference No.
S-502
INDEX: 13 OF 14

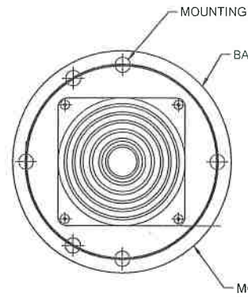
File: C:\TA\220222\20 CADD_Active_waterfront permit\220222_S-502 - Plotted: 5/22/2024 2:06 PM by LLOYD, CHRIS - Saved: 12/5/2023 5:06 PM by RWILLIAMS



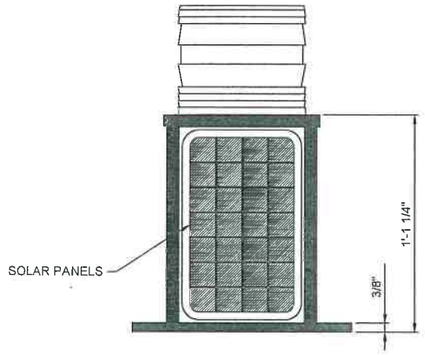
D1 S-102 MANATEE AWARENESS SIGN
SCALE: NTS



C2 S-102 MANATEE EDUCATION SIGN
SCALE: NTS



TOP VIEW



SIDE VIEW

C4 S-102 DETAIL - WARNING LIGHT
SCALE: NTS

REVISED
5/7/2024

23-044

PERMIT DRAWINGS
ISSUED: 2023-03-29

RELATED

Mark	Date	Description	App.
1	PTB RAI		

RIVERWALK DISTRICT WATERFRONT

AIDS TO NAVIGATION AND SIGN DETAILS

201

Date:	2023-03-09
Rev.	1
Designed by:	TC
Drawn by:	RW
Chd by	NMP
Reviewed by:	GWS
Submitted by:	NICOLE SHAW, PE MOFFATT & NICHOL
MMN Project No.	220222
Drawing date:	
Drawing Scale	
Plot scale	1:1 (D SHEET)

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

SEAL

Sheet Reference No.
S-503
INDEX: 14 OF 14

File: Q:\TA\220222\20 CADD_Active_waterfront permit\220222_S-503 ; Plotted: 5/22/2024 2:06 PM by LLOYD, CHRIS ; Saved: 12/6/2023 5:14 PM by RWILLIAMS

EXHIBIT #4 - SWPA 23-044 - PUBLIC HEARING

PORT TAMPA BAY

CERTIFIED MAIL
Return Receipt Requested

PORT TAMPA BAY (PTB)
STANDARD WORK PERMIT APPLICATION NOTICE

To: **1500-Foot Radius Riparian Property Owners and Interested Parties / Agencies**

Date: May 28, 2024

Reference: PTB Standard Work Permit Application No. 23-044

Applicant: RD RWD Tampa, LLC Trustee

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 in review for permitting to perform work in waters under the jurisdiction of this Authority, as summarized above, pursuant to Section 25, Chapter 95-488 Laws of Florida. Enclosed is a certified mail copy of the proposal and drawings for your review / information.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments, or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

Please contact me at 813-905-5033 or jjulien@tampaport.com if you have any questions.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor

CC: conservationplanningservices@myfwc.com, FW4FLESREGS@fws.GOV; SiteFile@dos.state.fl.us tmantegna@tampaairport.com; MARK.SRAMEK@NOAA.GOV; sean@tbrpc.org; alana@tbrpc.org; MRACHAL@AUDUBON.ORG; JEFF.LIECHTY@AUDUBON.ORG; eplage@tampabaywatch.org; ajalcoz@tecoenergy.com; skroh@tecoenergy.com; bevgriffiths@verizon.net; lisa.strout@dot.state.fl.us; reebie.simms@dot.state.fl.us; todd.croft@dot.state.fl.us; wwmtampa@uscg.mil; anthony.r.sciullo@uscg.mil; drivera@bda-inc.com. Refer also to Distribution List.

Enclosure(s)

SWPA #23-044 – Certified Mail Distribution List

Tribune Company 545 E. John Carpenter Pkwy., Suite. 700 Irving, TX 75062-3932	Environmental Protection Commission Of Hillsborough County Wetlands Management Division 3629 Queen Palm Drive Tampa, FL 33619	City Of Tampa Mobility Department Attn: Bertha M. Mitchell, Supervisor 3802 E. 26th Avenue Tampa, FL 33605
University Of Tampa 401 W. Kennedy Blvd. Tampa, FL 33606-1490	Hillsborough County City-Planning Commission Attn: Mr. Shawn College County Center 18th Floor P.O. Box 1110 Tampa, FL 33601	City Of Tampa Police Department Attn: Marine Unit 9330 N. 30th Street Tampa, FL 33612
Areit Manor Riverwalk, LLC C/O Ares Real Estate Income Trust Inc. 518 17th Street, Suite 1700 Denver, Co 80202	U.S. Army Corps Of Engineers Jacksonville District Regulatory Division - Tampa Section Attn: John Fellows, Interim Section Chief 10117 Princess Palm Ave., Suite 120 Tampa FL 33610-8302	City Of Tampa Real Estate Dept. Attn: Monica Ammann 306 E. Jackson St., 3rd Floor North Tampa, FL 33602
Tampa Hillsborough County Expressway Authority 1104 E. Twiggs St., Suite 300 Tampa, FL 33602-3103	FDEP – Southwest District Environmental Resources Dept. Attn: Kelley Boatwright 13051 N. Telecom Parkway Temple Terrace, FL 33637	City Of Tampa – Land Development Coordination/Zoning Section 1400 N. Boulevard Tampa, FL 33607
Rivergate Tower Owner, LLC 80 SW 8th Street, Suite 2200 Miami, FL 33130-3004	Southwest Florida Water Mgmt. District (Tampa) Attn: Albert Gagne 7601 U.S. Highway 301 North Tampa, FL 33637-6759	Hillsborough County Public Works Hazard Mitigation Program Attn: Christina Hummel P.O. Box 1110, 22nd Floor Tampa, FL 33601-1110
Hotel Ashley Riverwalk, LLC C/O Newbond Holdings 27 East 28th Street New York, NY 10016	Tampa Bay Regional Planning Council Attn: Sean Sullivan 4000 Gateway Centre Blvd., Suite 1000 Pinellas Park, FL 33782	Audubon Of Florida, Florida Coastal Islands Sanctuary-Tampa Attn: Jeff Liechty / Mark Rachal 410 South Ware Boulevard, Suite 702 Tampa, FL 33619
Riverwalk Hotel Property Owner, LLC 27 East 28th Street New York, NY 10016-7921	FDOT - District Seven Attn: Reebie Simms, Ph.D, P.E. – District Permits Engineer 11201 N. Malcolm Mckinley Dr., Ms 7-820 Tampa, FL 33612	Tampa Bay Watch 3000 Pinellas Bayway South Tierra Verde, FL 33715
Riverwalk Tower, LLC 100 S. Ashley Dr., Suite 200 Tampa, FL 33602-5366	City Of Tampa Construction Services Dept. Attn: Dave Jennings 1400 North Boulevard Tampa, FL 33607	Tampa Bay Sierra Club Attn: Conservation Chair P.O. Box 1596 Thonotosassa, FL 33592-1596
City Of Tampa – Stormwater Division Attn: Alex Ward 306 E. Jackson Street, 6N Tampa, FL 33602	Florida Department Of State National Register Of Historic Places R.A. Gray Building 500 South Bronough St. Tallahassee, FL 32399-0250	

PORT TAMPA BAY

May 29, 2024 Certified Mail

Environmental Protection Commission of Hillsborough County
Wetland Management Division
Attn: Michael Gile, Mgr.
3629 Queen Palm Drive
Tampa, FL 33619
(Via Email: gilem@epchc.org)

Reference: **PTB Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please submit any comments, questions, or stipulations, as appropriate, regarding the issuance of a marine construction permit for this project (#23-044), in writing, within thirty (30) days of receipt of this letter to the PTB Environmental Department at 1101 Channelside Dr., Tampa, FL 33602 or via email at bbaity@tampaport.com.

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

PRHI Pursuit's check # 1972 in the amount of $300.00 is enclosed for the EPC environmental review of this project.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor

CC: Mark.A.Marousky@usace.army.mil; tampareg@usace.army.mil; SW_ERP@dep.state.fl.us; ERPAgencyCoordination@swfwmd.state.fl.us

Enclosure(s)

PORT TAMPA BAY

May 28, 2024 **Certified Mail**

Mr. Shawn College
Hillsborough-City Planning Commission
County Center, 18th Floor
PO Box 1110
Tampa, FL 33601
(Via Email: colleges@plancom.org)

Reference: **Port Tampa Bay Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

The PRHI Pursuits check No. 1973 in the amount of $200.00 for the Planning Commission's review fee for this project is enclosed.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor

Enclosure(s)

Memo

PORT TAMPA BAY.
1101 Channelside Drive
Tampa, Florida 33602

To: Lisa Payne, PTB Real Estate Dept. (lpayne@tampaport.com)

From: Jackie Julien, PTB Environmental Department

Date: May 28, 2024

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

The Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Environmental Department has received the enclosed marine construction application to perform work in waters under the jurisdiction of this Authority, pursuant to Section 25, Chapter 95-488 Laws of Florida. A copy of the proposal, briefly described above, and drawing(s) is attached for your review/comments/determinations.

☐ Site with Existing Lease: None known (JJ)
☐ Site with Existing Easement: None known (JJ)

- (PTB RE) Location of waterbody is determined to be sovereign submerged lands: ☐ Yes / ☐ No
- (PTB RE) Ownership/Control of submerged lands for project area is determined to be: (List ALL that apply) ☐ PTB/TPA ☐ City of Tampa ☐ Other: _____
- (PTB RE) Advise PTB Environmental Dept. staff regarding the requirement of a **NEW REVIEW** for submerged lands Easement and/or Lease by PTB, per Section II.A. of the Submerged Lands Management Rules.

  ☐ **N/A** Public Easement: ☐ Yes ☐ No Lease: ☐ Yes ☐ No
  Private Easement: ☐ Yes ☐ No Other: _____

  - (PTB RE) Status of Lease/Easement Application Review: _____
  - Legal Description/Sketch Approved by PTB Surveying Dept ☐ Yes ☐ No / Date: _____

Date: **Comments / Stipulations:** _____

Please submit your response comments, in writing, and attach applicable documents (blank Application, copy of Agmt., copy of Site Improvement Application/Permit (SIP), etc.) **within thirty(30) days of receipt of this letter to the PTB Environmental Dept. via email at** bbaity@tampaport.com. Please contact me at 813-905-5033 or jjulien@tampaport.com if you wish to discuss or have any questions regarding this proposal.

Enclosures: (1) PTB Standard Work Permit Application #23-044 package
Reference: (a) Section II.A.3 of PTB Submerged Lands Management Rules

Copy: PTB File (23-044); ccooley@tampaport.com

PORT TAMPA BAY

May 28, 2024 **Certified Mail**

University Of Tampa
401 W. Kennedy Blvd.
Tampa, FL 33606-1490

Reference: **Port Tampa Bay Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please note that it appears a portion of the project, Riverwalk Underpass, is proposed to be connected to the private property owned by the University of Tampa. Therefore, PTB staff requests formal written authorization documentation from you/University representative.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend. If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor
Port Tampa Bay

CC: drivera@bda-inc.com
Enclosures

PORT TAMPA BAY

May 28, 2024 **Certified Mail**

City of Tampa Real Estate Dept.
Attn: Monica Ammann
306 E. Jackson St., 3rd Floor North
Tampa, FL 33602
(Via Email: monica.ammann@tampagov.net)

City of Tampa Construction Services Dept.
Attn: JC Hudgison, Chief / Dave Jennings
1400 North Boulevard
Tampa, Florida 33607
(Via Email: JC.hudgison@tampagov.net / dave.jennings@tampagov.net)

Reference: **Port Tampa Bay Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend. If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor
Port Tampa Bay

Cc: joseph.reese@tampagov.net; mark.maziarz@tampagov.net; bertha.mitchell@tampagov.net; alex.awad@tampagov.net
Enclosures

EXHIBIT #5 - SWPA 23-044 - PUBLIC HEARING

Jackelyn Julien

From: Tony Mantegna <TMantegna@TampaAirport.com>
Sent: Tuesday, May 28, 2024 2:12 PM
To: Barbara Baity; conservationplanningservices@myfwc.com; FLESRegs, FW4; sitefile@dos.state.fl.us; mark.sramek@noaa.gov; Sean Sullivan; Alana Todd; mrachal@Audubon.Org; Jeff Liechty; Eric Plage; Nate Alcoz; skroh@tecoenergy.com; Beverly Griffiths; Strout, Lisa D.; Simms, Reebie; Croft, Todd; wwmtampa@uscg.mil; anthony.r.sciullo@uscg.mil; drivera@bda-inc.com
Cc: Jackelyn Julien
Subject: RE: Port Tampa Bay Standard Work Permit Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100 - Project Notice - Intpt

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

No issues identified by the Aviation Authority.

EXHIBIT #6 - SWPA 23-044 - PUBLIC HEARING

Jackelyn Julien

From: Sally Fisher <Sally.Fisher@tampa-xway.com>
Sent: Monday, June 3, 2024 11:04 AM
To: Barbara Baity
Cc: Jackelyn Julien; Brian Pickard
Subject: Standard Work Permit Application Notice
Attachments: OM-20240531-003A 1of2.pdf

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Hello Barbara,
This is to let you know we have reviewed the attached notice and THEA has no comments or objections.

Thank you for keeping us informed.

Sally Fisher
Tampa Hillsborough Expressway Authority
1104 E. Twiggs Street
Tampa, Florida 33602
813-272-6740 Ext. 131

Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to this entity. Instead, contact this office by phone or in writing.

EXHIBIT #7 - SWPA 23-044 - PUBLIC HEARING

Memo

PORT TAMPA BAY.
1101 Channelside Drive
Tampa, Florida 33602

To: Lisa Payne, PTB Real Estate Dept. (lpayne@tampaport.com)

From: Jackie Julien, PTB Environmental Department

Date: May 28, 2024

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

The Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Environmental Department has received the enclosed marine construction application to perform work in waters under the jurisdiction of this Authority, pursuant to Section 25, Chapter 95-488 Laws of Florida. A copy of the proposal, briefly described above, and drawing(s) is attached for your review/comments/determinations.

☐ Site with Existing Lease: None known (JJ)
☐ Site with Existing Easement: None known (JJ)

- (PTB RE) Location of waterbody is determined to be sovereign submerged lands: ☒ Yes / ☐ No
- (PTB RE) Ownership/Control of submerged lands for project area is determined to be: (List ALL that apply) ☐ PTB/TPA ☒ City of Tampa ☐ Other: _____
- (PTB RE) Advise PTB Environmental Dept. staff regarding the requirement of a **NEW REVIEW** for submerged lands Easement and/or Lease by PTB, per Section II.A. of the Submerged Lands Management Rules.

  ☒ **N/A** Public Easement: ☐ Yes ☐ No Private Easement: ☐ Yes ☐ No Lease: ☐ Yes ☐ No Other: _____

  - (PTB RE) Status of Lease/Easement Application Review: No SLL needed
  - Legal Description/Sketch Approved by PTB Surveying Dept ☐ Yes ☐ No / Date: _____

Date: 6/4/24 **Comments / Stipulations:** submerged land owned by COT

Please submit your response comments, in writing, and attach applicable documents (blank Application, copy of Agmt., copy of Site Improvement Application/Permit (SIP), etc.) **within thirty(30) days of receipt of this letter to the PTB Environmental Dept. via email at** bbalty@tampaport.com. Please contact me at 813-905-5033 or jjulien@tampaport.com if you wish to discuss or have any questions regarding this proposal.

Enclosures: (1) PTB Standard Work Permit Application #23-044 package
Reference: (a) Section II.A.3 of PTB Submerged Lands Management Rules

Copy: PTB File (23-044); ccooley@tampaport.com

EXHIBIT #8 - SWPA 23-044 - PUBLIC HEARING

FLORIDA DEPARTMENT of STATE

RON DESANTIS
Governor

CORD BYRD
Secretary of State

May 21, 2024

Department of the Army
Corps of engineers, Jacksonville District
701 San Marco Boulevard
Jacksonville, Florida 32207-8175

DHR Project File No.: 2024-2281, Received by DHR: April 5, 2024
Application No.: SAJ-2022-02585
Project: *Pena Multi-Family Residential*
County: Hillsborough

To Whom It May Concern:

The Florida State Historic Preservation Officer reviewed the referenced project for possible effects on historic properties listed, or eligible for listing, on the *National Register of Historic Places*. The review was conducted in accordance with Section 106 of the *National Historic Preservation Act of 1966*, as amended, and its implementing regulations in *36 CFR Part 800: Protection of Historic Properties*.

Based on the information provided, our office concurs with USACE's determination that the proposed activities will have no adverse effect on historic properties. However, the permit, if issued, should include the following special condition regarding unexpected discoveries:

- If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The applicant shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section at (850)-245-6333. Project activities shall not resume without verbal and/or written authorization.
- In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with Section 872.05, *Florida Statutes*.

If you have any questions, please contact Michael DuBose, Historic Preservationist, by email at Michael.DuBose@dos.myflorida.com or by telephone at 850.245.6342.

Sincerely,

Kiddy L Chase
FSR

Alissa Slade Lotane
Director, Division of Historical Resources
& State Historic Preservation Officer

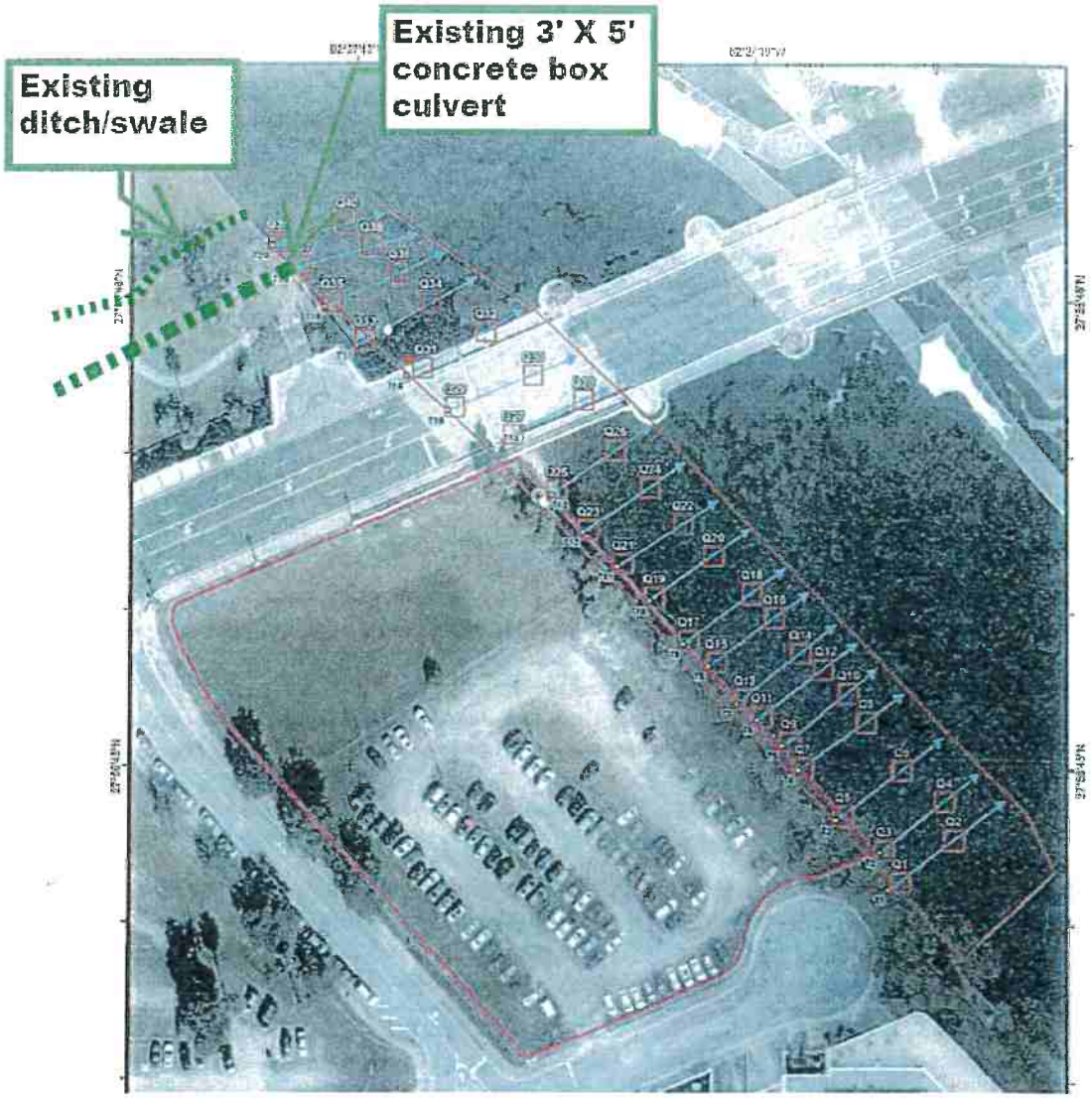
EXHIBIT #9 - SWPA 23-044 - PUBLIC HEARING

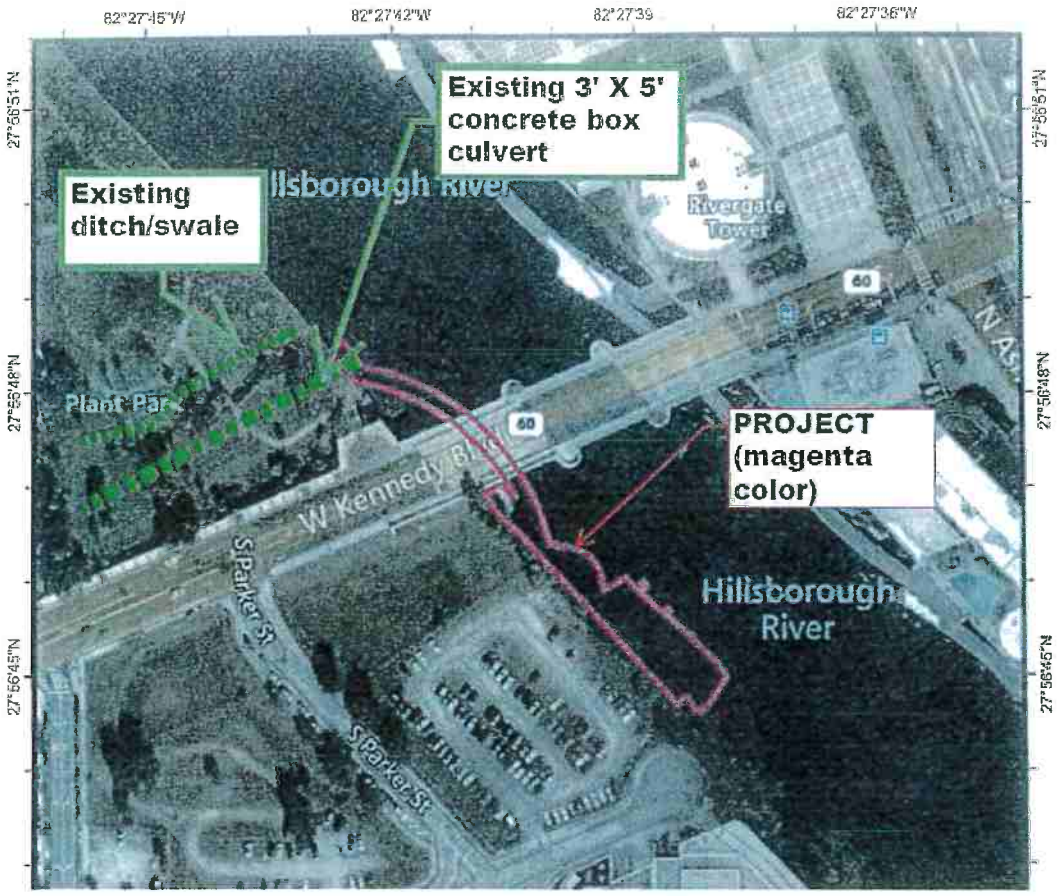
From:	Mariela Gomez
To:	Barbara Baity
Cc:	Monica Ammann; JC Hudgison; Dave Jennings; Joseph Reese; Mark Mazlarz; Bertha Mitchell; Alexander Awad
Subject:	RE: Port Tampa Bay Standard Work Permit Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100 - Project Notice -City
Date:	Wednesday, June 5, 2024 4:33:07 PM
Attachments:	image001.png image002.png

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

STORMWATER REVIEW COMENTS

The City of Tampa does not have stormwater facilities in the project area. There is a 3' x 5' concrete box culvert owned and maintained by FDOT that outfalls into the Hillsborough River, at the University of Tampa Plant Park, west of the Kennedy Blvd bridge. There is a potential conflict with the foundations of the proposed floating docking facility.


Existing ditch/swale
Existing 3' X 5' concrete box culvert



Mariela Gomez
Engineer III (N/S), Mobility
City of Tampa / 306 E Jackson St. 6th Floor North / Tampa, Florida 33602
p: 813-274-7446 / e: Mariela.Gomez@tampagov.net

From: Alexander Awad <Alexander.Awad@tampagov.net>
Sent: Tuesday, June 4, 2024 7:25 AM
To: Mariela Gomez <Mariela.Gomez@tampagov.net>
Cc: Ben Allushuski <Ben.Allushuski@tampagov.net>
Subject: FW: Port Tampa Bay Standard Work Permit Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100 - Project Notice -City

Mariela-
Please review and see if there are any SW outfall that may be impacted by this project.
Thank you,

EXHIBIT #10 - SWPA 23-044 - PUBLIC HEARING

Jackelyn Julien

From: Jones, Stephanie <Stephanie.Jones@MyFWC.com>
Sent: Tuesday, June 18, 2024 3:21 PM
To: Jackelyn Julien; Barbara Baity
Subject: FWC RAI - Tampa Riverwalk, Hillsborough County (23-044)

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Project Name: Tampa Riverwalk, Hillsborough County
File Number: 23-044

Florida Fish and Wildlife Conservation Commission (FWC) staff have received this application to dredge 368 CY of material and install an 8-slip dock with a 20' x 6' kayak launch. The dock will be accessed by a 75' ADA aluminum gangway. The dock will be 122' x 8' with two (2) 30' x 5' finger piers and two (2) 30' x 6' finger piers. The site of the proposed project is located at 102 S Parker St, Tampa, Hillsborough County. We appreciate the opportunity to review this project to determine if it is likely to have any adverse impacts on wildlife and their habitats. However, we need additional information to complete our review of the proposed project.

Please provide answers to the following questions, or have the applicant respond:

1. **How many upland units is the new dock structure proposed to support?**
2. **The 01/10/2024 RAI response to Tampa Port Authority d/b/a Port Tampa Bay references the possibility of a Water Taxi slip. Please verify if any of the proposed slips under this application will be used for repetitive, daily boat trips such as visitor slips, restaurants, hotels, water taxis, rental boats, tour boats or cruise boats, etc.**
3. **Are there pipes and/or culverts (existing or proposed) that are submerged or partially submerged, accessible to manatees during any tidal phase, and larger than eight inches in diameter, but smaller than eight feet in diameter at the site?**
4. **When reviewing projects in counties without a Manatee Protection Plan, a starting guideline of 1 slip to 100 feet of shoreline ratio is applied to minimize impacts to manatees. Please indicate how this facility will mitigate any impacts as a result of exceeding the 1:100 ratio.**
5. **Please provide additional details about the total length of the proposed living shoreline and whether there will be any gaps in the gabion wall to allow the passage of wildlife. To reduce the risk of manatee entrapment landward of living shorelines, FWC staff recommend that gaps maintained at a minimum of five (5) feet in width be placed at every 100 feet along the structure. For structures that do not have gaps due to a shorter length, or if gaps cannot be maintained at a minimum of five (5) in width, FWC advise that the top of the structure be maintained at least two and a half (2.5) feet above Mean High Water.**
6. **How often will the living shoreline be monitored?**

Please copy me on future correspondence or email me when new information is posted on your website. Once we have received the information needed, we will continue our review. If there is an impending or designated deadline that must be met, please let me know.

Sincerely,

Steph Jones
Fisheries and Wildlife Biological Scientist IV
Imperiled Species Management
Florida Fish and Wildlife Conservation Commission (FWC)

Office: (850) 922-4330
Stephanie.Jones@MyFWC.com

Florida Fish and Wildlife
Conservation Commission
MyFWC.com

EXHIBIT #11 - SWPA 23-044 - PUBLIC HEARING

From: Croft, Todd
To: Barbara Baity
Cc: Buidens, Daniel; Smith, David M
Subject: RE: Port Tampa Bay Standard Work Permit Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100 - Project Notice -Intpt
Date: Wednesday, June 19, 2024 2:54:16 PM

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Hi Barbara,
A lease agreement between FDOT and the owner of the pedestrian bridge will be required for the portion of the project under the Kennedy Bridge.
All work shall be performed in accordance with the conditions outlined in the agreement.

Todd Croft
Permits Manager
Tampa Operations Center
2822 Leslie Road
Tampa, FL 33619
OFFICE: (813) 612-3318
CELL: (813) 326-0506

From: Croft, Todd
Sent: Tuesday, June 4, 2024 1:17 PM
To: Barbara Baity <bbaity@TAMPAPORT.COM>
Subject: RE: Port Tampa Bay Standard Work Permit Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100 - Project Notice -Intpt

Hi Barbara,
This work appears to be adjacent to, and underneath, a historic bridge structure.
The ROW and footprint of the bridge may be protected, and work of this type might not be allowed.
I'll send this to FDOT Structures, Maintenance and ROW for additional instructions.
Special permitting, leasing or design considerations may be required.

Todd Croft
Permits Manager
Tampa Operations Center
2822 Leslie Road

EXHIBIT #12 - SWPA 23-044 - PUBLIC HEARING

COMMISSION

Gwendolyn "Gwen" W. Myers CHAIR
Harry Cohen VICE-CHAIR
Donna Cameron Cepeda
Ken Hagan
Pat Kemp
Michael Owen
Joshua Wostal

DIRECTORS

Janet D. Lorton EXECUTIVE DIRECTOR
Elaine S. DeLeeuw ADMIN DIVISION
Sam Elrabi, P.E. WATER DIVISION
Diana M. Lee, P.E. AIR DIVISION
Michael Lynch WETLANDS DIVISION
Rick Muratti, Esq. LEGAL DEPT
Steffanie L. Wickham WASTE DIVISION

June 25, 2024

Jackie Julien (Sent via Email)
Port Tampa Bay
jjulien@tampaport.com
Post Office Box 2192
Tampa, Florida 33601

SUBJECT: PORT TAMPA BAY (PTB) PERMIT APPLICATION #23-044 / EPC REVIEW # 79303 / CONSTRUCTION OF A +/- 2,684 SF FLOATING PRIVATE MULTI-FAMILY RESIDENTIAL MULTI-SLIP DOCKING FACILITY WITH 8 BOAT SLIPS AND KAYAK LAUNCH, MAINTENANCE DREDGE +/- 368 CY OF SUBMERGED MATERIAL, CONSTRUCTION OF GABION AND RIP-RAP LIVING SHORELINE STRUCTURE AREA CONSISTING OF 383 CY OF FILL, AND CONSTRUCTION OF PILE SUPPORTED RIVERWALK UNDERPASS WALKWAY AT 102 S. PARKER ST & SR-60/W. KNNEDY BLVD. BRIDG E(DRAW BRIDGE NO. 1001000, TAMPA, FL / APPLICATION RECEIVED BY EPC ON MAY 29, 2024 / FOLIO # 194001-0000 / STR - 24-29S-18E

Dear Ms. Julien:

An environmental review has been conducted for the above described project by the staff of the Wetlands Division of the Environmental Protection Commission (EPC) of Hillsborough County. Based on this review and site inspection conducted June 6, 2024, staff has determined that the project to construct a +/- 2,684 sf floating private multi-family residential multi-slip docking facility with 8 boat slips and kayak launch, maintenance dredge +/- 368 cy of submerged material, and construct a gabion and rip-rap living shoreline structure area consisting of 383 cy of fill, and construct a pile supported riverwalk underpass walkway, as proposed, has the potential to create deleterious impacts to the natural resources of Hillsborough County. Therefore, this agency requests modifications to the proposed project. Once the following concerns have been addressed, please resubmit the application for review.

1. Pursuant EPC's Basis of Review (BOR) 5.3.4, please call out the 32'-wide by 3'-long section of existing live oysters located at the proposed access platform location. As discussed on site, the GPS points representing this points can be added to the plans. Please add a note indicating that all oysters that would otherwise be harmed by the platform installation shall be relocated temporarily. If any of the oysters shall be incorporated into the living shoreline project, please provide detailed plans showing this.

2. Per EPC's Basis of Review (BOR) 5.3.4, please label the existing stormwater outfall pipes on the plans, indicating whether they are to be plugged/closed. Please also depict the new outfall pipe which will be located south of the proposed floating docks, as discussed on site.

INFORMATIONAL COMMENTS:

- Please note that this letter only represents the recommendations of the EPC to the Port Tampa Bay (PTB). The PTB will issue the actual permit. In the event these conditions are not incorporated in the PTB permit, the proposed activity may require a separate authorization from the Executive Director of the EPC.

If you have any questions or concerns regarding this application, please call me by phone at (813) 627-2600 ext. 1246 or by e-mail at mitchelli@epchc.org.

Sincerely,

Isabella Mitchell

Isabella Mitchell
Environmental Scientist
Wetlands Division
Environmental Protection Commission
of Hillsborough County

Iam/mpg

ec: Barbara Baity – bbaity@tampaport.com
RD RWD Tampa LLC Trustee – arturo@relatedgroup.com
Matthew Anderson – manderson@bellingham-marine.com

EXHIBIT #13 - SWPA 23-044 - PUBLIC HEARING

Docusign Envelope ID: D9FEED7C-6A77-421C-A587-7240FC32045D

Hillsborough County
City-County
Planning Commission

Resolution: Port Tampa Bay Standard Work Permit Application No. 23-044, Riverwalk District Waterfront Project

July 8, 2024

WHEREAS, the Hillsborough County City-County Planning Commission developed a Comprehensive Plan for the City of Tampa, pursuant to the provisions of Chapter 163, Florida Statutes, as amended; and

WHEREAS, Port Tampa Bay applied for a Port Tampa Bay Standard Work Permit, Application No. 23-044, to construct a Riverwalk underpass walkway, floating dock with kayak launch, ADA compliant gangway and platform, and living shoreline and perform maintenance dredging on the Hillsborough River; and

WHEREAS, the Hillsborough County City-County Planning Commission is the Local Planning Agency (LPA) charged with reviewing Port Tampa Bay permit applications for consistency with the *Tampa Comprehensive Plan* per Chapter 163, Florida Statutes and Chapters 95-488 and 97-351, Laws of Florida; and

WHEREAS, the Hillsborough County City-County Planning Commission received Port Tampa Bay Standard Work Permit Application No. 23-044, with a request for review for consistency with the *Tampa Comprehensive Plan*; and

WHEREAS, the Hillsborough County City-County Planning Commission reviewed Port Tampa Bay Standard Work Permit Application No. 23-044, considered all relevant information, including the adopted goals, objectives, and policies of the *Tampa Comprehensive Plan* as follows:

Environmental Section - Goals, Objectives, and Policies

ENV Policy 2.4.13: Channelization or hardening (e.g., paving, piping) of natural Shorelines and natural waterways to include tidal creeks is prohibited, except in cases of overriding public interest as established by the City or where necessary for reasonable use of a property as determined by the EPC or Port Tampa Bay. Encourage Shoreline stabilization with native plant communities, Living Shorelines, or nature-based solutions.

ENV Objective 3.1: Improve and maintain the character, retain the natural functions, and maximize the public benefits of the river corridor. Apply the following principles to all development/ redevelopment projects proximate to the Hillsborough River during the land development review process.

ENV Policy 3.1.1: All proposed development and redevelopment projects with Hillsborough River frontage will follow the following principles:

1) Development must be sensitive to and consistent with the unique character of the urban core, lower, middle, and upper River, as defined in the River Corridor Overlay Study.

2) Strict environmental performance standards will be applied to:

Docusign Envelope ID: D9FEED7C-6A77-421C-A587-7240FC32045D

a. *Eliminate activities that will pollute the River or require mitigation thereof in accordance with applicable stormwater and environmental regulation;*
b. *Reduce or eliminate the need for a seawall or other hardened shoreline (except within the urban core) by providing alternative erosion control designs or making the control structure environmentally friendly;*
c. *Promote visual access to scenic aspects of the corridor;*
d. *Promote Florida-Friendly LandscapeTM principles, the use of native and non-native adaptive, prohibit noxious invasive species in landscaping;*
e. *Require site plan approval;*
f. *Minimize adverse environmental and/or aesthetic impacts, provide technical standards and guidelines consistent with the unique character of the urban core, lower, middle, and upper River for, or otherwise restrict, certain uses, i.e., parking lots, parking structures, truck service roads, loading docks, warehouses, manufacturing plants, shipbuilding and repair, dredging equipment operators, and heavy uses.*

ENV Policy 3.1.5: Support concentrating future public and commercial marinas in the urban core downstream of Columbus Drive to enhance river traffic control, reduce the effects of boat traffic to the River, and provide nearby access to the bay.

ENV Policy 3.1.8: Continue to recognize the Alan Wright Hillsborough River Blueway and the State designated Hillsborough River Canoe Trail and ensure no action is taken that would impair its use.

Coastal Management Section – Goals, Objectives, and Policies

CM Policy 1.1.5: In the Coastal High Hazard Area, preference shall be given to uses that are water enhanced, water related, water dependent, or which have been shown to support the Port Tampa Bay Master Plan.

CM Policy 1.6.3: Development and redevelopment proposals which are considered to be either water dependent, related or enhanced must ensure that endangered native flora and fauna must be protected, relocated or mitigated.

CM Policy 1.6.7: The following criteria shall serve as the City's marina siting guidelines:

Support Services (Utilities/ Public Facilities)

- *Adequate Uplands/Access: Marinas shall demonstrate that they have sufficient upland area to accommodate all needed utilities and marina support facilities with minimal environmental impacts. Only facilities providing parking areas that minimize stormwater runoff and mitigate pollution shall be permitted.*
- *Adequate Traffic Capacity: Applicants shall demonstrate that the adjacent area and on-site roadways have the capacity to accommodate the projected number of users. [...]*

Resource constraints (Environmental Considerations)

- *Water Depth: Preference shall be given to docking facilities in locations having adequate water depths to accommodate the proposed boat use. A minimum water depth of 4-feet mean low water shall be required. Greater depths shall be required for*

those facilities designed for or capable of accommodating boats having greater than a 3- foot draft. These depth requirements shall also apply to the area between the proposed facility and any natural or other navigation channel, inlet or deep water, where necessary, marking of navigational channels may be required.

- *Access/Dredging: Preference shall be given to docking facilities which require minimal or no dredging or filling to provide access by canal, channel or road. This restriction applies to widening or deepening any existing canal or channel, but not to regular maintenance dredging and filling to meet depth standards of existing canals or channels. Preference shall be given to marina sites adjacent to naturally maintained channels.*
- *Environmental Restoration: In reviewing applications for new docking facilities, or for renewal of existing leased facilities, an effort shall be made to identify ways to improve, mitigate or restore adverse environmental impacts caused by previous activities. This may include shallowing dredged areas, restoring wetlands, natural shorelines or submerged vegetation or making navigable channels. Such mitigation or restoration could be required as a condition of approval for new, renewed or expanded facilities. [...]*
- *Erosion Prevention: On sites with historically erosion prone shorelines, applicants shall ensure that appropriate shoreline protection measures (as determined by FDEP) will be taken.*

Economic Considerations

- *Proximity to Population/Navigable Water Bodies: Preference shall be given to facilities which are within reasonable traveling distance of a significant population of marina users, as determined by FDEP's Marina Needs Analysis, by roadway and by waterway. Preference shall also be given to facilities which have access to a large navigable water body. [...]*

Community Compatibility Considerations

- *Community Impacts: Facilities must demonstrate no adverse impacts to surrounding communities and neighborhoods.*

CM Policy 1.8.2: Recommend disapproval to appropriate entities for dredging and filling, or other development activities, on submerged lands containing significant seagrass habitat, except in cases of overriding public interest, and seek to restore seagrass coverage.

WHEREAS, Planning Commission staff determined that Port Tampa Bay Standard Work Permit Application No. 23-044 is consistent with the goals, objectives, and policies of the *Tampa Comprehensive Plan.*

NOW, THEREFORE, BE IT RESOLVED, that the Hillsborough County City-County Planning Commission finds Port Tampa Bay Standard Work Permit Application No. 23-044 **CONSISTENT** with the *Tampa Comprehensive Plan.*

The above resolution for Port Tampa Bay Standard Work Permit Application No. 23-044 was adopted by the Planning Commission on July 8, 2024.

By motion of Commissioner Fernandez
Seconded by Commissioner Louk, Vice-Chair

Commissioner Joseph, Chair	**Aye**
Commissioner Bowden	**Aye**
Commissioner Buzza	**Aye**
Commissioner Cardenas	**Absent**
Commissioner Cona	**Aye**
Commissioner Fernandez	**Aye**
Commissioner Kress, AICP, Member-at-Large	**Aye**
Commissioner Louk, Vice-Chair	**Aye**
Commissioner Saria	**Absent**
Commissioner Sieben	**Aye**

DocuSigned by:
63DCAB39B571461...
Commissioner Joseph, ***Chairman***

DocuSigned by:
044A2D6F0DB0485...
Melissa Zornitta, FAICP
Executive Director

Persons needing assistance reading or interpreting items in this document, free of charge, are encouraged to contact the ADA Coordinator at (813) 272-5940, or ADACoordinator@plancom.org. Plan Hillsborough (the Planning Commission, the Hillsborough TPO and the Hillsborough River Board) cannot ensure accessibility for items produced by other agencies or organizations.

Se recomienda a las personas que necesiten ayuda para leer o interpretar este documento, sin costo alguno, que se pongan en contacto con Coordinador de ADA at (813) 272-5940, o ADACoordinator@plancom.org. Plan Hillsborough (la Comisión de Planificación, el TPO de Hillsborough y la Junta del Río Hillsborough) no puede asegurar la accesibilidad de los documentos publicados por otras agencias u organizaciones. Si sólo habla español, por favor llame a la línea de ayuda en español al (813) 272-5940 marque el número 1.

EXHIBIT #14 - SWPA 23-044 - PUBLIC HEARING

September 13, 2024
File: 2022-007.204

SUBMITTED VIA ONLINE PERMITTING

Ms. Steph Jones
Florida Fish and Wildlife Conservation Commission
Imperiled Species Management
620 South Meridian Street
Tallahassee, Florida 32399-1600
Phone: 850-922-4330
Email: Stephanie.Jones@MyFWC.com

RE: Response to Request for Additional Information of June 18, 2024
File No. 23-044
Tampa Riverwalk
Hillsborough County, Florida

Dear Ms. Jones:

In response to your Request for Additional Information (RAI) of June 18, 2024, Breedlove Dennis & Associates, Inc. provides the following information:

Request No. 1: **How many upland units is the new dock structure proposed to support?**

Response: The proposed mixed-use Riverwalk District upland development at 102 South Parker Street will include a multi-family residential building with approximately 269 residential units. The proposed floating dock facility is planned to have a total of eight recreational boat slips, that can accommodate up to six 30-foot boats and two 40-foot boats. The proposed docking facility slips are depicted on Sheets G-101 and S102 of the Riverwalk District Waterfront engineering drawings as Appendix A. The boat slips are intended to be primarily used by residents of the multi-family development as long-term leased boat slips by onsite residents. Any slips that are not utilized for long-term use, have the potential to be used for short term use. At this time, we do not know how many slips will be used for long-term

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

resident leases, as it will depend on the demand of the onsite residential community. We do not anticipate any boat slips would be used for any commercial or repeat-use purposes. These long-term boat slip leases will likely keep the daily boat traffic to a minimum as we anticipate the docking facility will be used for the long-term mooring of boats. In addition, there will be no fueling or pump out stations located at the proposed docking facility, which also reduces the potential for boat traffic. This portion of the Hillsborough River is designated as a "Slow Speed, Minimum Wake" zone. A Hillsborough Bay Boating Zone map which indicates that the project site is located within in a Slow Speed Minimum Wake Zone is included as Appendix B. By having this proposed facility in a Slow Speed, Minimum Wake zone, this will keep boaters at a slow, safe speed through this portion of the Hillsborough River.

Request No. 2: **The 01/10/2024 RAI response to Tampa Port Authority d/b/a Port Tampa Bay references the possibility of a Water Taxi slip. Please verify if any of the proposed slips under this application will be used for repetitive, daily boat trips such as visitor slips, restaurants, hotels, water taxis, rental boats, tour boats or cruise boats, etc.**

Response: Please see the Response to Question No. 1 above.

Request No. 3: **Are there pipes and/or culverts (existing or proposed) that are submerged or partially submerged, accessible to manatees during any tidal phase, and larger than eight inches in diameter, but smaller than eight feet in diameter at the site?**

Response: Currently, there is one existing 8-inch outfall pipe along the current seawall that is proposed to be plugged and abandoned. Please see Sheet V-101 of the Tampa Riverwalk Waterfront Bulkhead Replacement engineering drawings as Appendix B for the proposed seawall replacement at the project site. As depicted on Sheets S-101 and S-501 of the drawings, there is one proposed 12-inch stormwater outfall structure along the proposed bulkhead and a manatee protection grate will be installed over the outfall structure in accordance with FDOT design standard index no. 280.

Request No. 4: **When reviewing projects in counties without a Manatee Protection Plan, a starting guideline of 1 slip to 100 feet of shoreline ratio is applied to minimize**

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

impacts to manatees. Please indicate how this facility will mitigate any impacts as a result of exceeding the 1:100 ratio.

Response:

We understand that the 1:100 ratio is a starting guideline and review of proposed facilities is on a case-by-case basis, based upon measures taken to minimize and mitigate potential impacts to manatees. The proposed facility is a floating dock facility which is designed to have the required adequate depth of -5.0 Mean Low Water (MLW), as depicted on the Riverwalk District Waterfront Permit Drawings (Appendix A). The proposed floating dock will have only eight boat slips which will be mostly used as long-term rental boats, keeping boat traffic to a minimum. There will be no fueling or pump out stations located at the facility, which also reduces boat traffic and protects the water quality in the Hillsborough River. This portion of the Hillsborough River is designated as a "Slow Speed, Minimum Wake" zone. Attached is a Hillsborough Bay Boating Zone map which indicates that the project site is located within in a Slow Speed Minimum Wake Zone (Appendix B). By having this proposed facility in a Slow Speed, Minimum Wake zone, this will keep boaters at a slow speed through this portion of the Hillsborough River.

We have been in formal consultation with the U.S. Fish and Wildlife Service (USFWS) through the Department of the Army, Corps of Engineers (ACOE) Permit Application process in order to minimize and mitigate for any potential impacts to manatees. We believe the proposed project meets the MANLAA determination per the 2013 Manatee Key and the May 13, 2019 Manatee Key Addendum. Please see the marked-up Manatee Key and Addendum indicating the MANLAA determination for the proposed project as Appendix D. The project site is not located within an Important Manatee Area (IMA). The proposed project includes a new multi-slip floating dock that will have eight boat slips in Hillsborough County, which does not have a State-approved Manatee Protection Plan (MPP). The residential dock density threshold would not apply for this proposed mixed-use, multi-slip floating dock. The proposed project will not be impacting any submerged aquatic vegetation and will be preserving the two onsite mangroves and will be incorporating them into the proposed living shoreline. The Applicant elects to follow the Standard Manatee Conditions for In-Water Work. Therefore, the proposed project is for a new multi-slip facility that is located in Hillsborough County and should have a "May affect, not likely to adversely affect" determination.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

In addition, the Hillsborough County-City Planning Commission has reviewed the proposed project through review of the Tampa Port Authority Standard Work Permit Application process and determined the proposed project is consistent with the Tampa Comprehensive Plan on July 8, 2024. The signed Resolution is included as Appendix E.

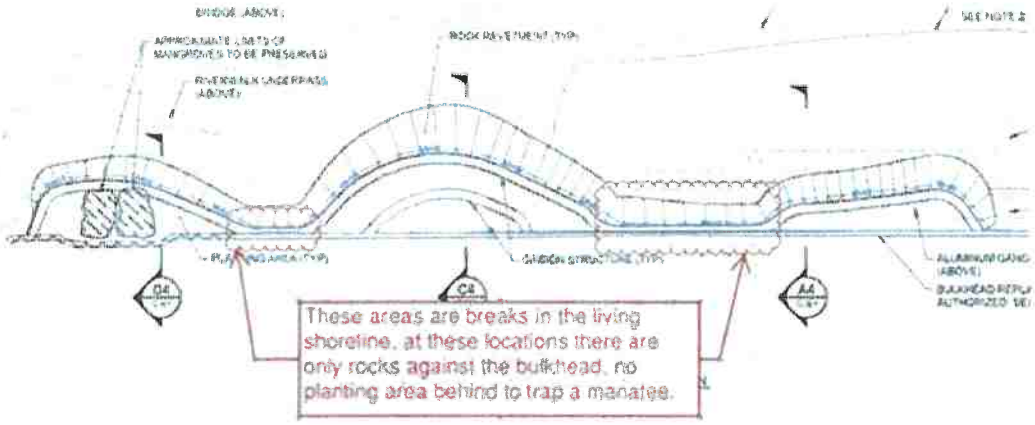
Request No. 5: **Please provide additional details about the total length of the proposed living shoreline and whether there will be any gaps in the gabion wall to allow the passage of wildlife. To reduce the risk of manatee entrapment landward of living shorelines, FWC staff recommend that gaps maintained at a minimum of five (5) feet in width be placed at every 100 feet along the structure. For structures that do not have gaps due to a shorter length, or if gaps cannot be maintained at a minimum of five (5) in width, FWC advise that the top of the structure be maintained at least two and a half (2.5) feet above Mean High Water.**

Response: The proposed living shoreline has three distinct sections that total approximately 215 feet in length with one gap between each of the sections. The two gaps that contain no living shoreline total approximately 70 feet in length. The western segment of the living shoreline which includes the two mangrove trees that will be preserved is approximately 60 feet in length, followed by an approximate 20-foot gap in width where there is no living shoreline. Next, the central segment is approximately 95 feet in length followed by an approximate 50-foot gap in width where there is no living shoreline. Lastly, the eastern segment of the living shoreline is approximately 60 feet in length. Therefore, the recommendations by FWC will be met by including more than a 5-foot width between a 100-foot living shoreline structure; therefore, reducing any risk of manatee entrapment landward of the living shorelines. Please see the marked-up picture of the engineering drawings below and the proposed living shoreline depicted on Sheet C-102 of the attached Riverwalk District Waterfront Permit Drawings (Appendix A). The two areas with gaps only have a gabion structure that is immediately in front of and flush with the bulkhead seawall. The revetment within these gap areas is immediately in front of the gabion structure and below the Mean Low Water Line. The slope of the revetment within these two areas of gaps are at a 2.5-foot to 1-foot slope. This slope would not allow for a manatee to become entrapped in these gap areas or along the living shoreline. Therefore, these gaps in the proposed living shoreline would prevent the entrapment of manatees landward of the living

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

shorelines as the structures are either flush with the bulkhead or have a significant slope that would not allow for manatees to enter these areas and cause entrapment of manatees.



Request No. 6: **How often will the living shoreline be monitored?**

Response: We are unsure if you are referring to monitoring for vegetation survivorship or the potential for manatee entrapment. As for vegetation survivorship, once the living shoreline is planted with the proposed native saltmarsh plant species, it is anticipated that the living shoreline will be monitored for vegetation survivorship twice a year.

Based on the design of the living shoreline, we do not anticipate entrapment of a manatee along the living shoreline. At the entrance/exit of the proposed docking facility, we will have both a manatee educational sign and a manatee awareness sign posted that clearly shows the contact information for FWC in case a manatee is observed injured and/or entrapped. These manatee signs and language are depicted on Sheet S-503 of the Riverwalk District Waterfront Permit Drawings (Appendix A). It is anticipated that once the upland development is completed, there will be an onsite Property Manager that will be available if an emergency occurs. We will have the Property Manager(s) be aware and observant that manatees occur in the vicinity of the boating facility and that there may be a

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

potential for entrapment of a manatee along the living shoreline. If a manatee happens to become entrapped along the living shoreline, the Property Manager(s) will be aware that they need to call FWC immediately and report the incident. The USFWS and ACOE has requested that the ACOE permit include a condition that is a manatee entrapment occurs, reporting the entrapment is required. Also, if any entrapments do occur, the permit will require a permit modification to address the issue / issues at hand.

We trust that the information provided herein is sufficient for your review. Should you have any questions regarding this information, or require additional information, please do not hesitate to contact our office.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

APPENDIX A

RIVERWALK DISTRICT WATERFRONT PERMIT DRAWINGS BY MOFFATT & NICHOL

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

23-044

RIVERWALK DISTRICT WATERFRONT

SECTION 24, TOWNSHIP 29S, RANGE 18E

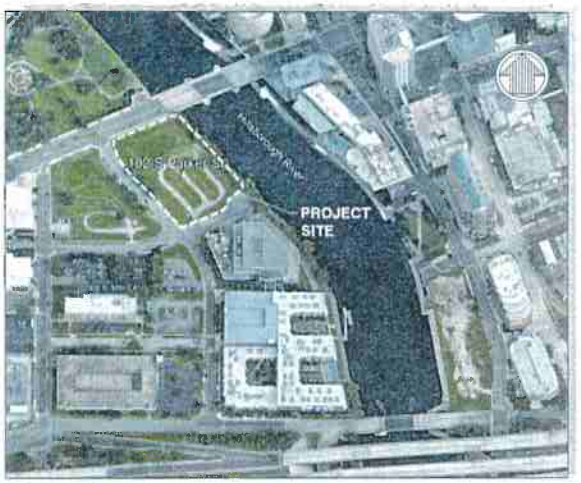
102 SOUTH PARKER STREET
TAMPA, FLORIDA 33606



SOURCE: GOOGLE

VICINITY MAP
N.T.S.

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES AND ABBREVIATIONS
3	G-101	OVERALL SITE PLAN
4	V-101	EXISTING CONDITIONS PLAN
5	C-101	DREDGING PLAN
6	C-102	LIVING SHORELINE PLAN
7	C-301	DREDGING AND LIVING SHORELINE SECTIONS
8	S-101	RIVERWALK UNDERPASS PLAN AND SECTION
9	S-102	FLOATING DOCK PLAN
10	S-301	TYPICAL DOCK AND TRANSITION AREA SECTIONS
11	S-302	DOCK AND LIVING SHORELINE SECTION
12	S-501	FLOATING DOCK DETAILS
13	S-502	GANGWAY DETAILS
14	S-503	AIDS TO NAVIGATION AND SIGN DETAILS



SOURCE: GOOGLE

LOCATION PLAN
N.T.S.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT.

PREPARED BY:
moffatt & nichol
501 E KENNEDY BLVD
SUITE 1910
TAMPA, FL 33602
813-256-8818
LIC: EB-0004877

PREPARED FOR:
RELATED
2850 TIGERTAIL AVE.
SUITE 800
MIAMI, FL 33133
(305) 460-9900

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

COVER SHEET

Sheet Reference No.
G-001

INDEX: 1 OF 14

243

23-044

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

244

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND COVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2022 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
2. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
4. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
6. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
7. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
8. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
9. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.
10. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
11. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITY.
12. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
14. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY, SECURITY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT OSHA AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND OSHA TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND OWNER WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.
15. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
16. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS)TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE CITY AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
17. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS.
18. THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
19. IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE, THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
20. SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

SURVEY NOTES

1. ELEVATIONS SHOWN HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. HORIZONTAL COORDINATES ARE IN FEET AND REFERENCED TO FLORIDA STATE PLANE WEST ZONE (NAD 83).
3. UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
4. THE TIDAL DATUM RELATIONSHIP BASED ON FL NOAA VDATUM SOFTWARE, STATION 872-6693, HILLSBOROUGH RIVER ENTRANCE, FLORIDA.

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
MHHW	+ 1.06 FEET
MHW	+ 0.81 FEET
NAV88	0.00 FEET
MSL	- 0.16 FEET
MLW	-1.14 FEET
MLLW	-1.47 FEET

5. HYDROGRAPHIC SURVEY BY GEORGE F. YOUNG, DATED JUNE 9, 2022 AND IS ONLY INDICATIVE OF THE CONDITIONS EXISTING AT THAT TIME.
6. **SITE SURVEY BY GEOPOINT SURVEYING, INC., DATED DECEMBER 2021.**
7. AQUATIC RESOURCE SURVEY BY BREEDLOVE, DENNIS, AND ASSOCIATES DATED SEPTEMBER 2022, AND JUNE 2024.

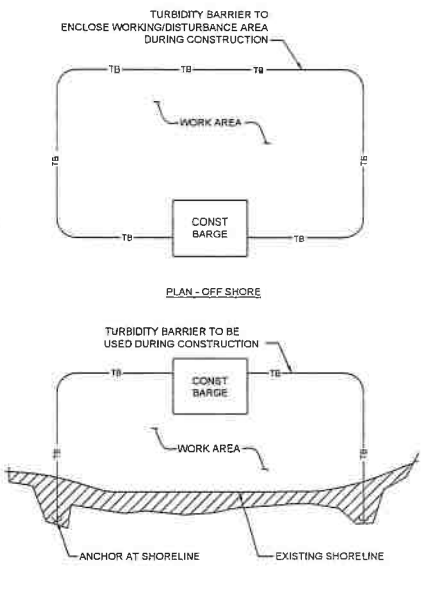
WATER QUALITY MONITORING PLAN

1. WATER QUALITY MONITORING WILL BE CONDUCTED FOR TURBIDITY DURING DREDGING ACTIVITIES AT THREE TEST STATIONS: 1) BACKGROUND, 2) COMPLIANCE, AND 3) MIXING ZONE. THE BACKGROUND STATION SHALL BE LOCATED UPSTREAM OF THE PROJECT AREA OUTSIDE OF THE MIXING ZONE AND ANY TURBIDITY GENERATED BY DREDGING ACTIVITIES. THE COMPLIANCE STATION SHALL BE LOCATED OUTSIDE THE MIXING ZONE AND TURBIDITY BARRIERS DOWNDRIFT OF THE PROJECT AND IN THE DENSEST PORTION OF ANY VISIBLE TURBIDITY PLUME. THE MIXING ZONE STATION SHALL BE LOCATED INSIDE THE LIMITS OF THE MIXING ZONE AND THE TURBIDITY BARRIERS.
2. SHOULD THE COMPLIANCE TURBIDITY EXCEED THE BACKGROUND TURBIDITY BY 29 NEPHELOMETRIC TURBIDITY UNITS (NTU), WORK SHALL CEASE AND THE OWNER WILL BE NOTIFIED IMMEDIATELY. OPERATIONS SHALL NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS.
3. TESTING WITHIN THE LIMITS OF THE MIXING ZONE WILL BE CONDUCTED TO VERIFY COMPLIANCE WITH THE GREATER OF BACKGROUND AND STATE WATER QUALITY STANDARDS PRIOR TO REMOVAL OF THE TURBIDITY BARRIERS. ONCE DREDGING OPERATIONS ARE COMPLETE AND COMPLIANCE AT THE MIXING ZONE STATION IS MET, TESTING AT THE MIXING ZONE STATION MAY BE SUSPENDED.
4. WATER QUALITY TESTING SHALL OCCUR TWICE DAILY DURING DREDGING, AT LEAST FOUR HOURS APART, AT ALL THREE STATIONS UNTIL THE MIXING ZONE STATION IS IN COMPLIANCE FOR TURBIDITY. SAMPLES SHALL BE COLLECTED AT TWO FEET ABOVE THE MUDLINE AND TWO FEET BELOW THE WATER SURFACE AT EACH STATION AND SHALL BE ANALYZED WITHIN 30 MINUTES OF COLLECTION. THE ANALYZED DATA SHALL BE DOCUMENTED AND REPORTED TO THE APPROPRIATE REGULATORY AGENCIES WITHIN SEVEN DAYS AFTER COMPLETION OF EACH TEST. MONITORING REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION:
   - A. PERMIT NUMBER
   - B. DATES OF SAMPLING AND ANALYSIS
   - C. STATEMENT DESCRIBING METHODS USED IN COLLECTION, HANDLING, STORAGE, AND ANALYSIS OF THE SAMPLES
   - D. MAP INDICATING SAMPLE LOCATIONS
   - E. STATEMENT BY INDIVIDUAL RESPONSIBLE FOR THE IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA
   - F. CONSTRUCTION ACTIVITIES
5. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE:
   - A. TIME OF DAY
   - B. DEPTH OF WATER BODY
   - C. DEPTH OF SAMPLE
   - D. ANTECEDENT WEATHER CONDITIONS
   - E. TIDAL STAGE AND DIRECTION OF FLOW
   - F. WIND DIRECTION AND VELOCITY
6. IF MONITORING REVEALS WATER QUALITY LEVELS AT THE COMPLIANCE STATION IN EXCESS OF THE GREATER OF THE BACKGROUND STATION LEVELS AND THE STATE STANDARDS, DREDGING ACTIVITIES SHALL CEASE ***IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE*** BEEN TAKEN AND TEST RESULTS HAVE RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED IN ACCORDANCE WITH THE PERMIT CONDITIONS.

4

ENVIRONMENTAL NOTES

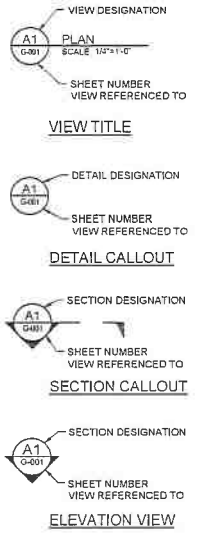
1. TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



DETAIL - TURBIDITY CONTROL BARRIER

ABBREVIATIONS

CL	= CENTERLINE
DBL	= DOUBLE
EA	= EACH
EL	= ELEVATION
EMBED	= EMBEDMENT
EQ	= EQUAL
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
GALV	= GALVANIZED
LG	= LONG
MAX	= MAXIMUM
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MIN	= MINIMUM
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
P/C	=PRECAST CONCRETE
PL	= PLATE
SPA	= SPACES
SS	= STAINLESS STEEL
TYP	= TYPICAL
UON	= UNLESS OTHERWISE NOTED
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
Ø	= DIAMETER



PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

1	07/29/24	PERMIT
2	10/04/24	PERMIT

RIVERWALK DISTRICT WATERFRONT

GENERAL NOTES AND ABBREVIATIONS

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.223.3919
REGISTRY NO. 8806877
WWW.MOFFATTNICHOL.COM
moffatt & nichol

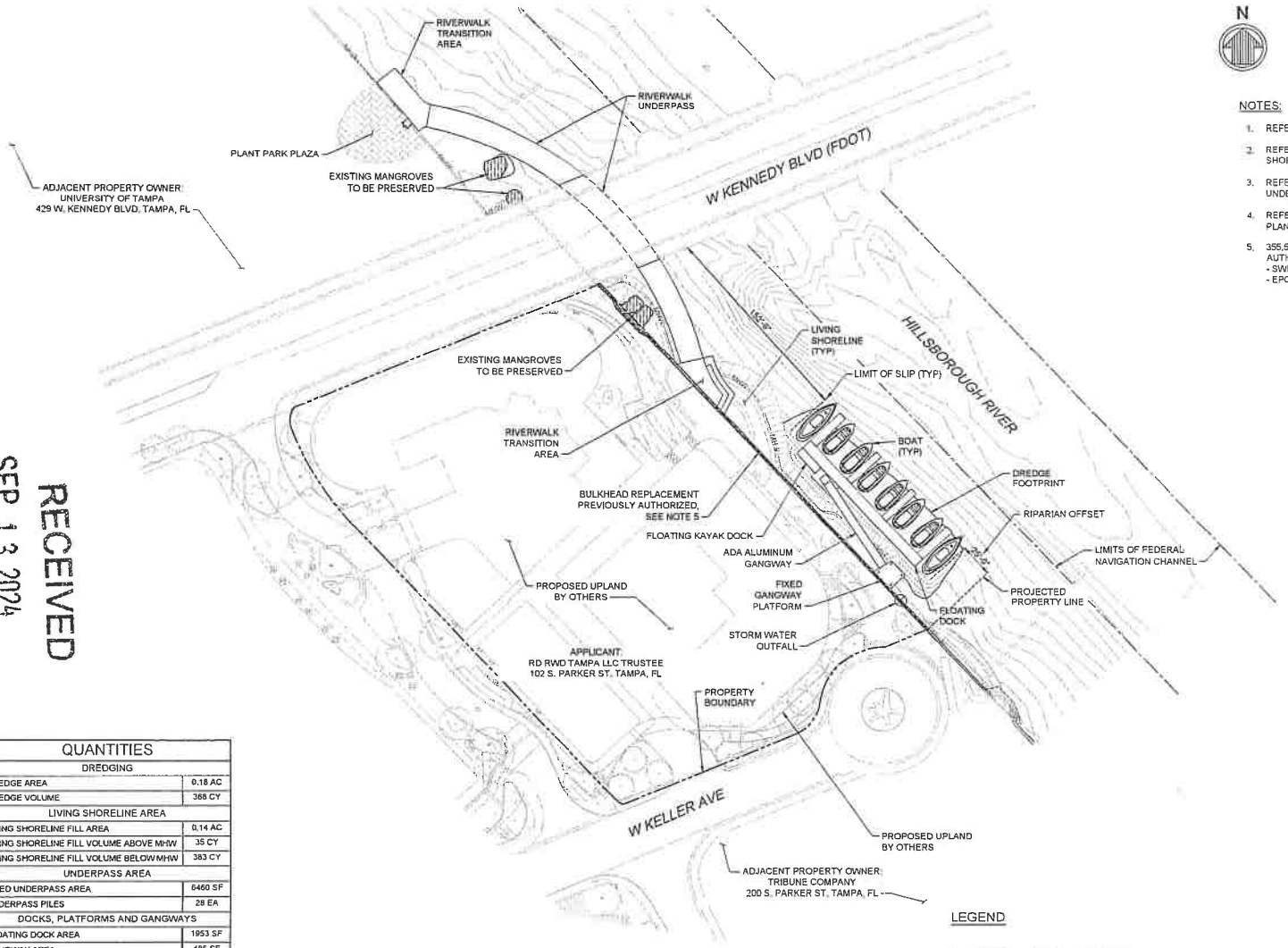
Designed by	TC
Drawn by	CNL
Reviewed by	MMD
Approved by	MOFFATT & NICHOL
Date	2023-05-29
Scale	AS SHOWN
Project No.	25232
Drawing No.	G-002
Plot Scale	1:1 IF SHEET SIZE IS 24"x36"

SEAL

Sheet Reference No.
G-002
INDEX 2 OF 14

File: O:\TAD\25232\D\CADD\Active\waterfront permit\25232_G-002_Plotted_8/29/2024 9:07:31 AM by SMITH, TONY - SmithT_8/27/2024 4:09:51 PM by ALONDUE

23-044



NOTES:

1. REFER TO C-101 FOR DREDGING PLAN.
2. REFER TO C-102 FOR LIVING SHORELINE PLAN.
3. REFER TO S-101 FOR RIVERWALK UNDERPASS PLAN.
4. REFER TO S-102 FOR FLOATING DOCKS PLAN.
5. 355.5 LF OF BULKHEAD REPLACEMENT AUTHORIZED UNDER:
   - SWFWMD EXEMPTION FILE NO. 858700
   - EPC MINOR WORK PERMIT NO. 76094

QUANTITIES	
DREDGING	
DREDGE AREA	0.18 AC
DREDGE VOLUME	368 CY
LIVING SHORELINE AREA	
LIVING SHORELINE FILL AREA	0.14 AC
LIVING SHORELINE FILL VOLUME ABOVE MHW	35 CY
LIVING SHORELINE FILL VOLUME BELOW MHW	383 CY
UNDERPASS AREA	
FIXED UNDERPASS AREA	6460 SF
UNDERPASS PILES	28 EA
DOCKS, PLATFORMS AND GANGWAYS	
FLOATING DOCK AREA	1953 SF
GANGWAY AREA	486 SF
FIXED GANGWAY PLATFORM AREA	245 SF
DOCK GUIDE PILES	12 EA
PLATFORM PILES	4 EA

LEGEND

- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- MHW MEAN HIGH WATER LINE
- STORM WATER OUTFALL
- PROPERTY BOUNDARY

SCALE: 1"=40'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

245

RELATED

RIVERWALK DISTRICT WATERFRONT

OVERALL SITE PLAN

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
(813) 225-1450
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
G-101
INDEX 2 OF 14

File: D:\TAC\2023\300 CADD_Arnel_waterfront permit\230222 G-101 Plotted: 9/23/2024 9:07 AM by SMITH, TONY Saved: 7/29/2024 3:55 PM by CLLOYD

RELATED

RIVERWALK DISTRICT
WATERFRONT

EXISTING CONDITIONS PLAN

Sheet Reference No.
V-101

PERMIT DRAWINGS
ISSUED: 2024-07-29

SCALE: 1"=40'

LEGEND
- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- CONTOUR LINE
- SPOT ELEVATION AT TOP OF EXISTING BULKHEAD
- MEAN HIGH WATER LINE
- MANGROVE CANOPY

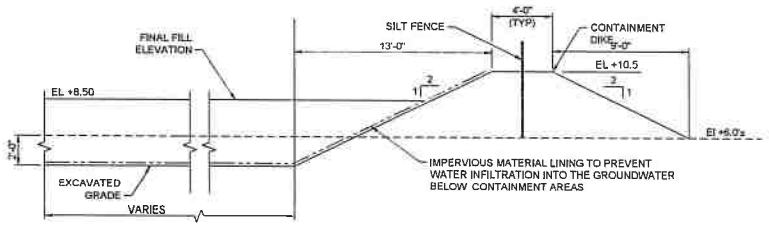
N

HILLSBOROUGH RIVER
W KENNEDY BLVD
W KELLER AVE
S PARKER ST
LIMITS OF NAVIGATION CHANNEL
LIVE OYSTER ROCK
EXISTING RIPRAP WALL
EXISTING ROCK PILE
PROPERTY BOUNDARY
EXISTING BULKHEAD
APPROXIMATE LIMITS OF EXISTING MANGROVES TO BE PRESERVED
EXISTING UNDERWATER FOUNDATIONS (TYP)
EXISTING ROCK
EXISTING CULVERT OUTFALL
PLANT PARK
LIVE OYSTER ROCK
APPROXIMATE LIMITS OF EXISTING MANGROVES TO BE PRESERVED

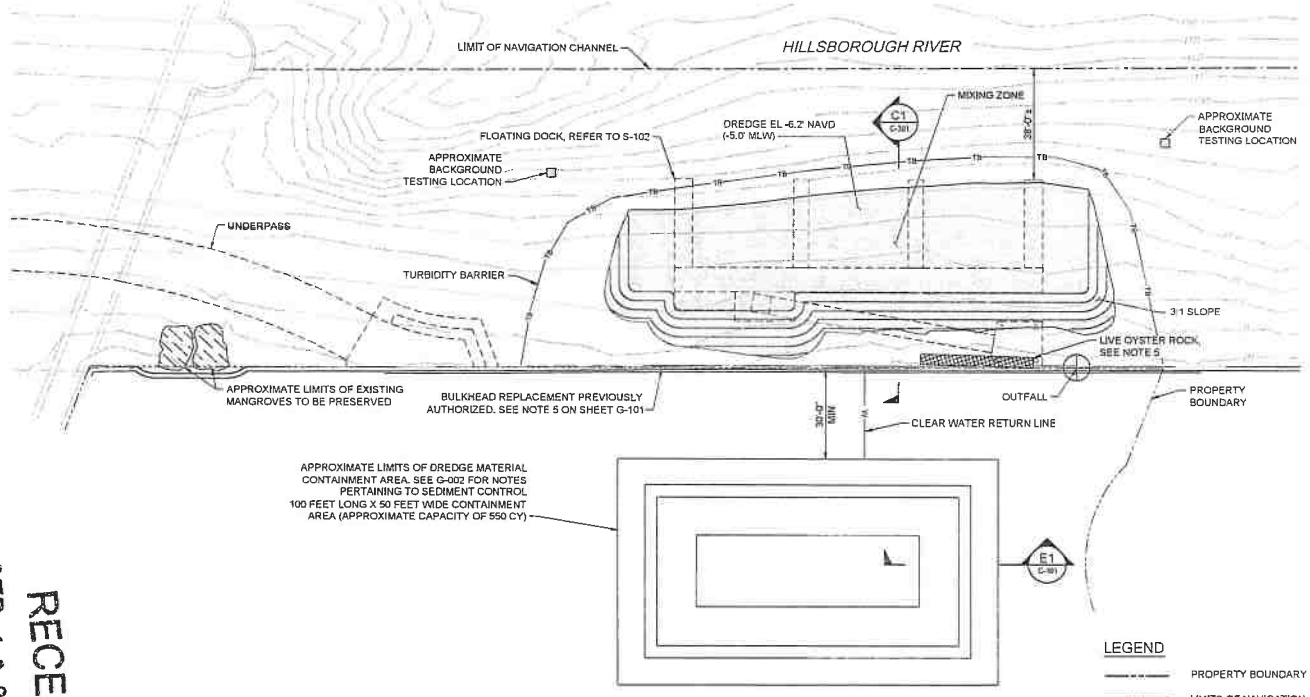
RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

23-044



E1 C-101 SECTION - CONTAINMENT AREA
SCALE: 1/4"=1'-0"



NOTE: LIVING SHORELINE NOT SHOWN FOR CLARITY

B2 C-101 DREDGING PLAN
SCALE: 1"=20'

N

NOTES

1. LOCATION AND FINAL DIMENSIONS OF CONTAINMENT AREA IS APPROXIMATE. CONTRACTOR TO CONFIRM LOCATION AND FINAL DIMENSIONS ON-SITE BASED ON UPLAND AVAILABILITY AND DREDGING RATES.
2. DREDGED MATERIAL WILL BE PLACED ON SITE IN A CONTAINMENT AREA TO ENABLE DRYING. AFTER DRYING, EXCAVATED MATERIAL WILL BE TAKEN TO THE PROPER WATE MANAGEMENT FACILITY FOR DISPOSAL. MAXIMUM STACKING HEIGHT FOR CONTAINMENT AREA IS 10 FEET.
3. MAXIMUM ALLOWABLE OVERDREDGE DEPTH IS 1'-0".
4. REFER TO SHEET G-101 FOR QUANTITIES.
5. AVOID DAMAGING LIVE OYSTER ROCK DURING DREDGING.

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- APPROXIMATE DREDGE AREA
- TB TURBIDITY BARRIER
- W CLEAR WATER RETURN LINE

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

1	PERMITS	20240628
2	PERMITS	20240725
3	PERMITS	20240823
4	PERMITS	20240913

RIVERWALK DISTRICT WATERFRONT

DREDGING PLAN

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004627
WWW.MOFFATTNICHOL.COM

Designed: TC
Drawn: CJB
Reviewed: ELS
Date: 2023-03-23
MNF Project No.: 25522
Property Insets:
Submitted By: MOFFATT & NICHOL FE: MOFFATT & NICHOL
Revised: 11-10-2023

SEAL

Sheet Reference No.
C-101
INDEX: 8 OF 14

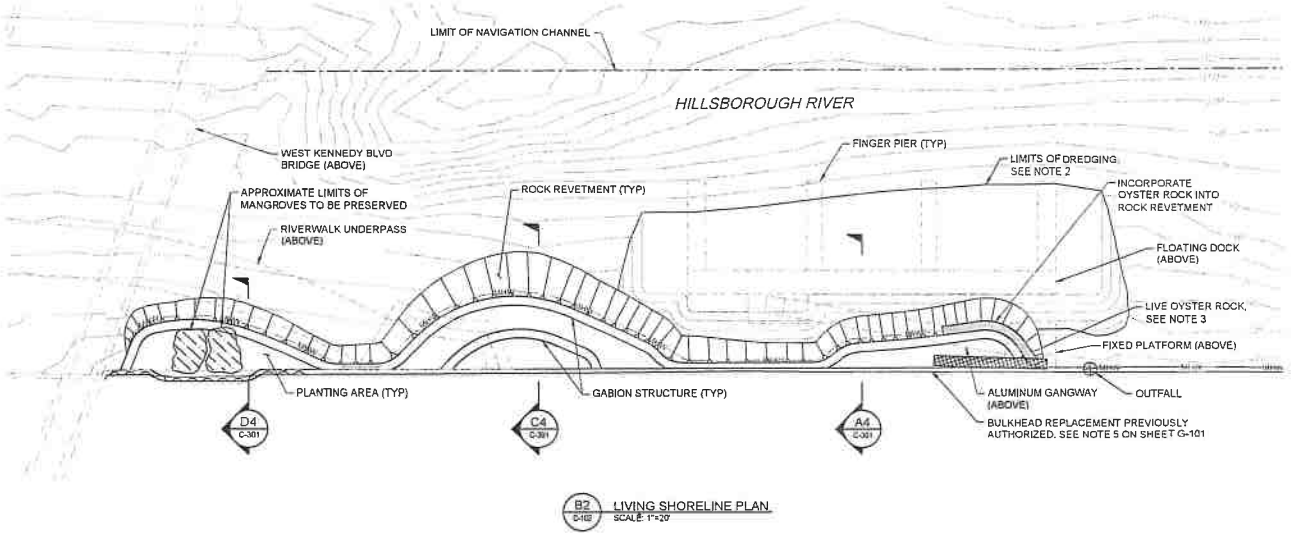
File: Q:\TA\25\25522\C\CADD_Active\Waterfront\25522_C-101_Plotted: 8/29/2024 9:17 AM by SMITH, TONY Saved: 8/26/2024 1:21 PM by AFSMITH

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

247

23-044

248



B2 C-102 LIVING SHORELINE PLAN
SCALE: 1"=20'

N

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.
2. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.
3. LIVE OYSTER ROCK AREAS SHALL BE PRESERVED BY SHIFTING THE LIVE OYSTER ROCKS OUT OF THE LIVING SHORELINE FOOTPRINT, AND THEN INCORPORATING THEM INTO THE ROCK REVETMENT OF THE LIVING SHORELINE.

LEGEND

(8) CONTOUR LINE
MHW MEAN HIGH WATER LINE
NAVIGATION CHANNEL LINE

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

RELATED

RIVERWALK DISTRICT WATERFRONT

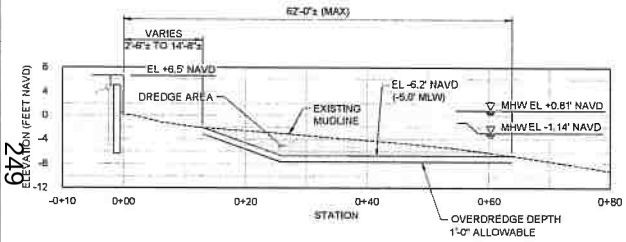
LIVING SHORELINE PLAN

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813 225 8813
REGISTRY NO. 00004871
WWW.MOFFATTNICHOL.COM

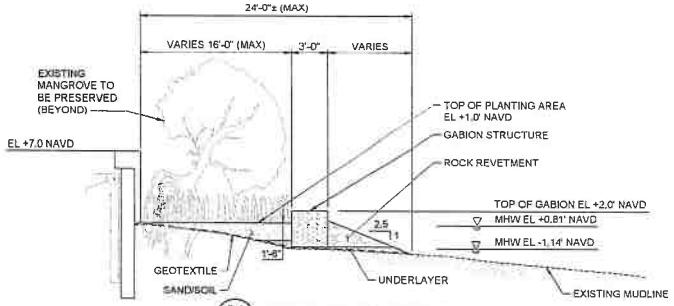
Sheet Reference No.
C-102
INDEX 6 OF 14

File: Q:\AD\2022\20\CAD\Arvel waterfront permit220222_C-102 - Plotted: 8/29/2024 9:07 AM by SMITH, TONY - Sheet: 7/29/2024 4:01 PM by CLLOYD

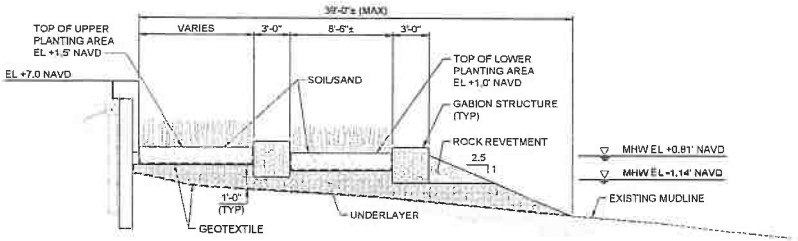
23-0446



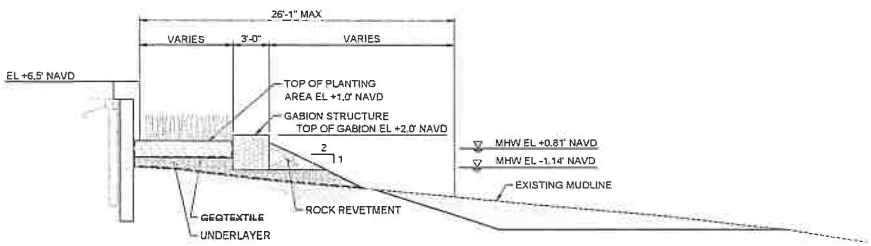
C1 C-101 DREDGING SECTION
SCALE 1"=10'



D4 C-102 LIVING SHORELINE SECTION
SCALE 1"=5'



C4 C-102 LIVING SHORELINE SECTION
SCALE 1"=5'



A4 C-102 LIVING SHORELINE SECTION
SCALE 1"=5'

LEGEND

- SAND/SOIL
- UNDERLAYER
- GABION STRUCTURE
- ROCK REVETMENT
- EXISTING GROUND
- DREDGE AREA

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

10' 0' 10' 20'
SCALE: 1"=10'

5' 0' 5' 10'
SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

DREDGING AND LIVING SHORELINE SECTIONS

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.254.1818
moffatt & nichol REGISTRY NO. 00004637
WWW.MOFFATTNICHOL.COM

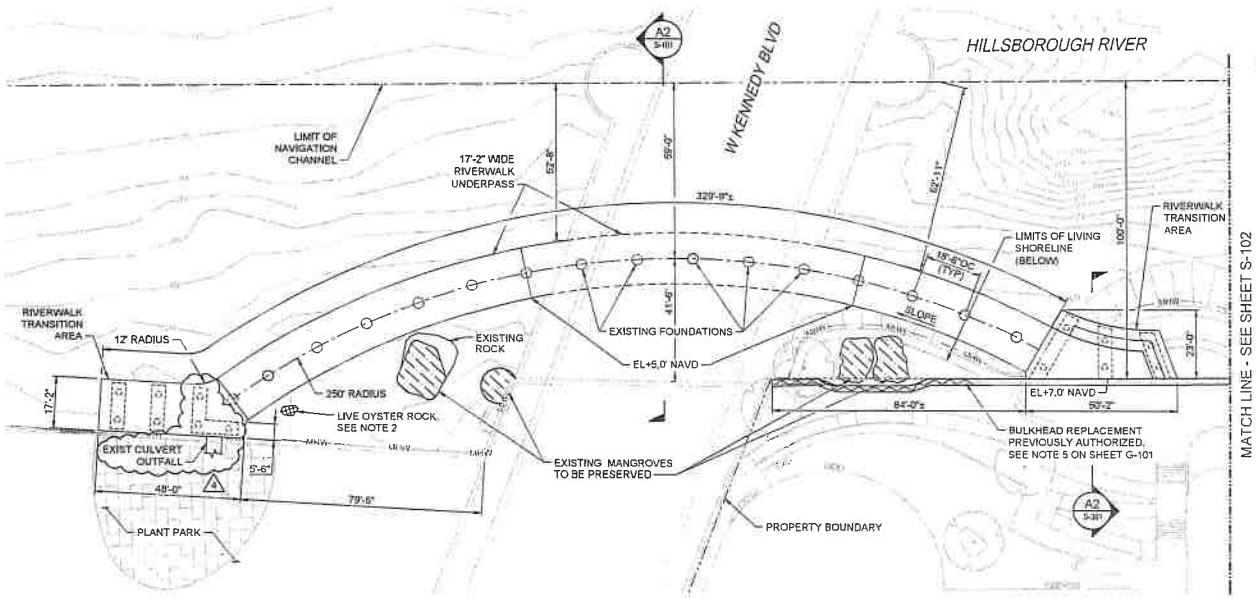
SEAL

Sheet Reference No.
C-301

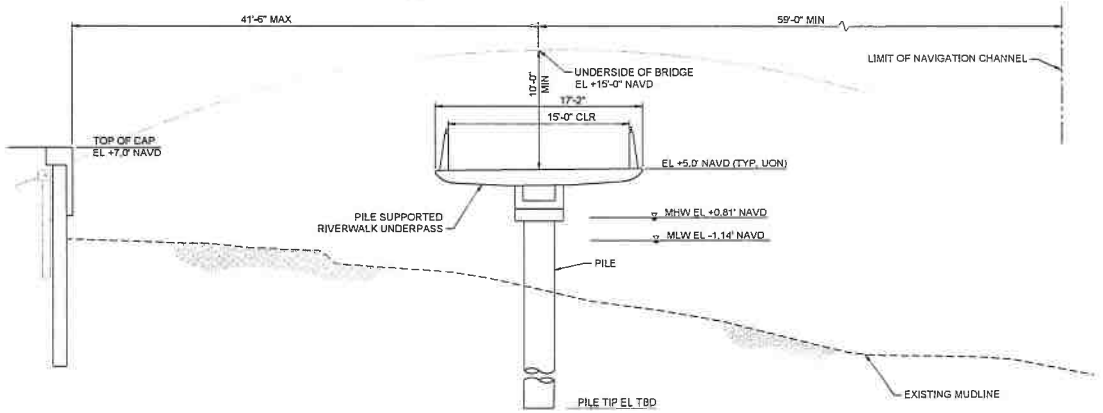
INDEX 7 OF 14

Plot: C:\1\401\0032000 CADD\ Active\ valentown permit\240729 C-301 - Plotted: 8/29/2024 9:07 AM by SMITH, TONY - Sheet: 7/29/2024 1:03 PM by ELLOYD

23-044



C2 / G-101 RIVERWALK UNDERPASS PLAN
SCALE: 1"=30'



A2 / S-101 RIVERWALK UNDERPASS SECTION
SCALE: 1"=5'

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.
2. LIVE OYSTER ROCK SHALL BE PRESERVED BY SHIFTING THE ROCK LOCATION OUT OF THE FOOTPRINT OF THE RIVERWALK.

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- MANGROVE CANOPY
- PILE

SCALE: 1"=20'

SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

250

RELATED

RIVERWALK DISTRICT WATERFRONT

RIVERWALK UNDERPASS PLAN AND SECTION

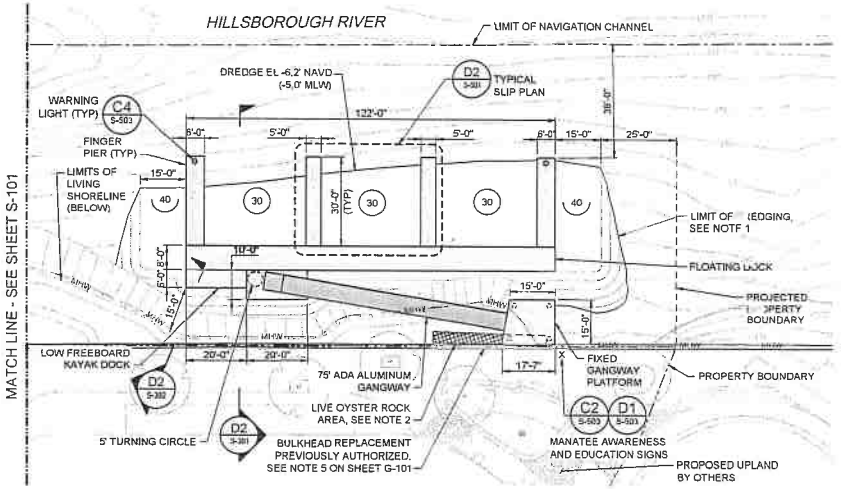
Sheet Reference No. S-101

INDEX II OF 14

23-044

251

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT



B2 G-101 FLOATING DOCK PLAN
SCALE: 1"=20'

NOTES:

1. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.
2. LIVE OYSTER ROCK AREAS SHALL BE PRESERVED BY SHIFTING THE LIVE OYSTER ROCKS OUT OF THE STRUCTURE FOOTPRINT, THEN INCORPORATING THEM INTO THE LIVING SHORELINE STRUCTURE. SEE SHEET C-102.

SLIP MIX	
SIZE	NO.
30'	6
40'	2
TOTAL	8

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- 30 DOUBLE SLIP + SIZE
- 40 SIDE-TIE SLIP + SIZE
- MHW MEAN HIGH WATER LINE
- WARNING LIGHT

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

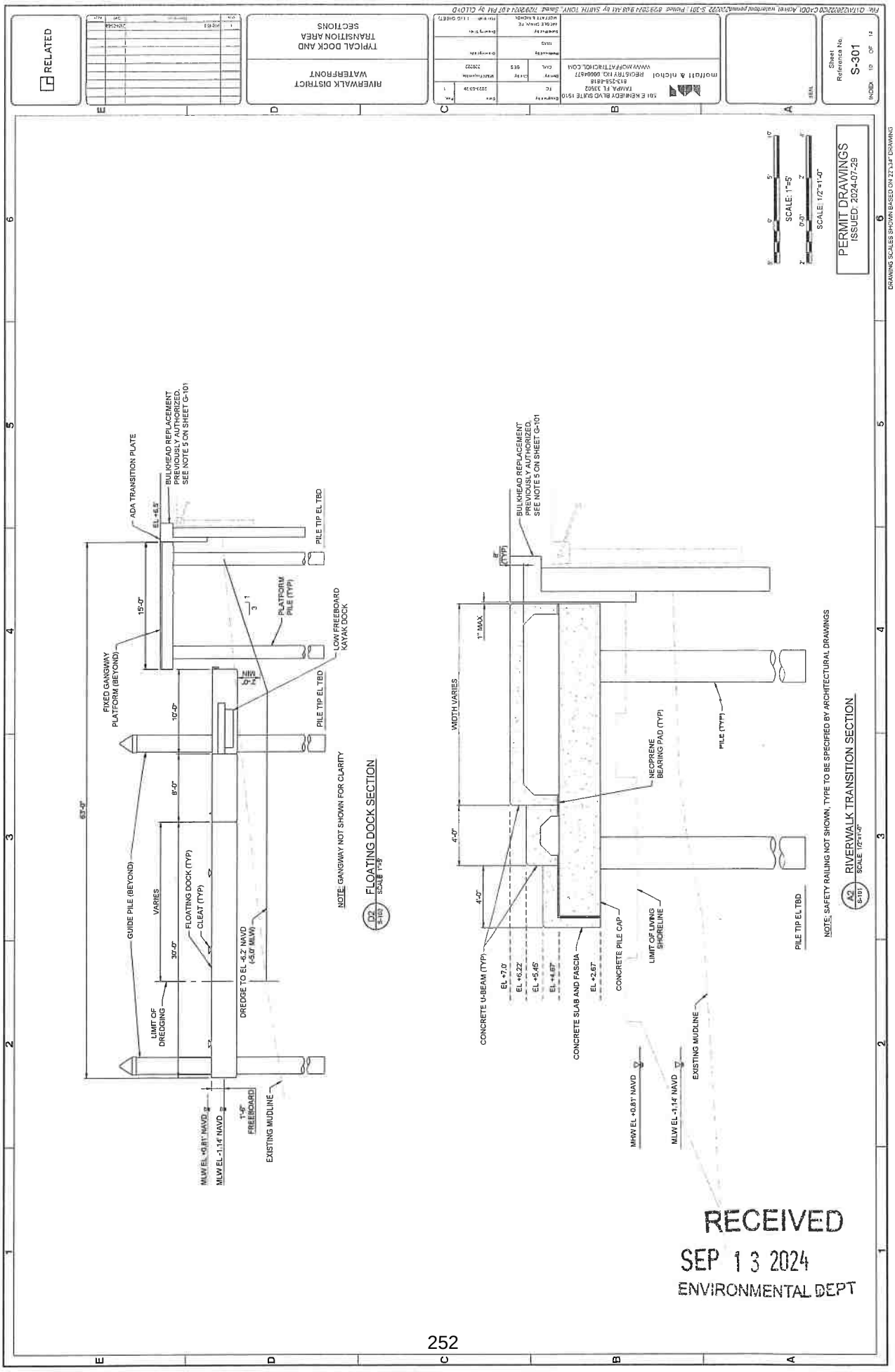
FLOATING DOCK PLAN

mafatt & nichol
501 E KENNEDY BLVD SUITE 1510
TAMPA, FL 33602
(813) 224-8862
REGISTRY NO. 0004827
WWW.MOFFATTNICHOL.COM

SEAL

Sheet Reference No.
S-102
INDEX 8 OF 12

Ref: Q:\TAM\2022\2200 C4D\Joint waterfront permit\2022-S-102_Plotted: 8/29/2024 9:48 AM by SMITH, TONY - Saved: 7/29/2024 4:05 PM by CLLOYD


RELATED
RIVERWALK DISTRICT
WATERFRONT
TYPICAL DOCK AND
TRANSITION AREA
SECTIONS
moffatt & nichol
501 E KENNEDY BLVD SUITE 1510
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 0006457
WWW.MOFFATTNICHOL.COM
Sheet
Reference No.
S-301
INDEX
PERMIT DRAWINGS
ISSUED: 2024-07-29
SCALE: 1"=5'
SCALE: 1/2"=1'-0"
DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING
ADA TRANSITION PLATE
BULKHEAD REPLACEMENT
PREVIOUSLY AUTHORIZED.
SEE NOTE 5 ON SHEET G-101
EL +6.5'
PILE TIP EL TBD
PLATFORM
PILE (TYP)
3
1
15'-0"
FIXED GANGWAY
PLATFORM (BEYOND)
LOW FREEBOARD
KAYAK DOCK
2'-0"
MIN
10'-0"
PILE TIP EL TBD
63'-0"
8'-0"
GUIDE PILE (BEYOND)
VARIES
30'-0"
FLOATING DOCK (TYP)
CLEAT (TYP)
LIMIT OF
DREDGING
DREDGE TO EL -6.2' NAVD
(-5.0' MLW)
MLW EL +0.81' NAVD
MLW EL -1.14' NAVD
1'-6"
FREEBOARD
EXISTING MUDLINE
NOTE: GANGWAY NOT SHOWN FOR CLARITY
D2
S-101
FLOATING DOCK SECTION
SCALE: 1"=8'
BULKHEAD REPLACEMENT
PREVIOUSLY AUTHORIZED.
SEE NOTE 5 ON SHEET G-101
8" (TYP)
1" MAX
WIDTH VARIES
NEOPRENE
BEARING PAD (TYP)
PILE (TYP)
4'-0"
4'-0"
CONCRETE U-BEAM (TYP)
EL +7.0'
EL +6.22'
EL +5.45'
EL +4.67'
EL +2.67'
CONCRETE SLAB AND FASCIA
CONCRETE PILE CAP
LIMIT OF LIVING
SHORELINE
PILE TIP EL TBD
MHW EL +0.81' NAVD
MLW EL -1.14' NAVD
EXISTING MUDLINE
NOTE: SAFETY RAILING NOT SHOWN, TYPE TO BE SPECIFIED BY ARCHITECTURAL DRAWINGS
A2
S-101
RIVERWALK TRANSITION SECTION
SCALE: 1/2"=1'-0"
RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

RELATED

RIVERWALK DISTRICT
WATERFRONT

DOCK AND LIVING
SHORELINE SECTION

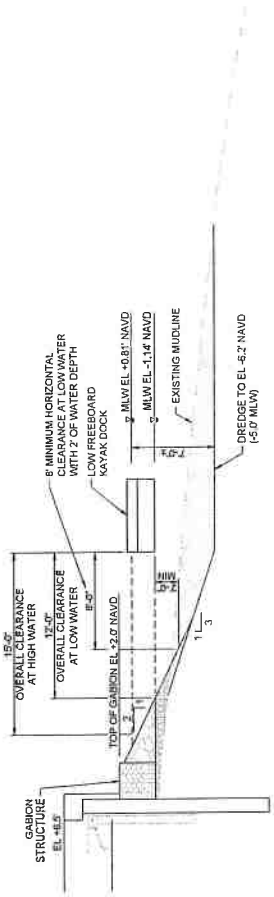
mottolt & nichol
501 E KENNEDY BLVD SUITE 1510
TAMPA, FL 33602
REGISTRY NO. 0000427
813-258-8818
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
S-302
INDEX 11 OF 14

SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED 2024-07-29

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING



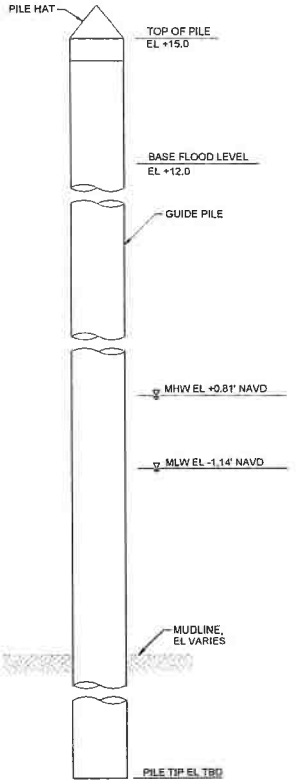
D2 / S-101 SECTION - LIVING SHORELINE AND DOCKS
SCALE: 1" = 5'

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT.

23-044

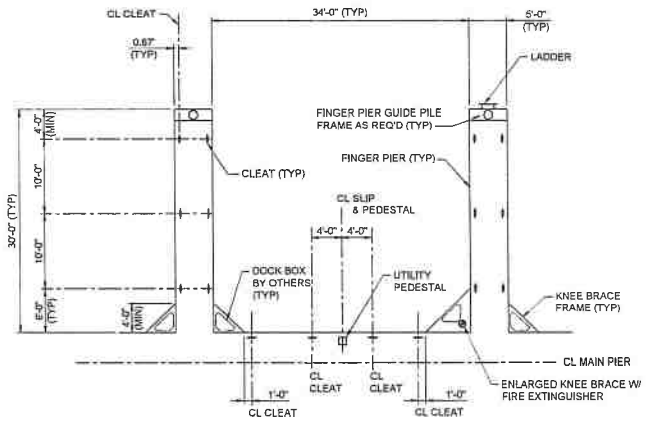
23-044

254



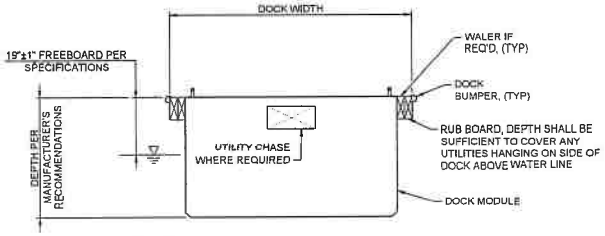
GUIDE PILE NOTE:
THE GUIDE PILE LENGTHS, NUMBERS, LOCATIONS, SIZE, AND WALL THICKNESS SHALL BE BASED ON THE PILE DESIGN REQUIREMENTS. DOCK MANUFACTURER'S ENGINEER OF RECORD SHALL DETERMINE THE SIZE, LENGTH AND LOCATIONS OF GUIDE PILES.

A1 / S-501 DETAIL - GUIDE PILE
SCALE: 3/4" = 1'-0"



D2 / S-103 TYPICAL SLIP PLAN
SCALE: 1/8" = 1'-0"

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT



NOTES:
1. DOCK MODULE CONNECTION SYSTEM SHALL BE DETERMINED BY DOCK MANUFACTURER IN ACCORDANCE WITH SPECIFICATIONS.

A3 / S-501 SECTION - FLOATING DOCK
SCALE: 1/2" = 1'-0"

SCALE: 3/4"=1'-0"
SCALE: 1/2"=1'-0"
SCALE: 1/8"=1'-0"

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

FLOATING DOCK DETAILS

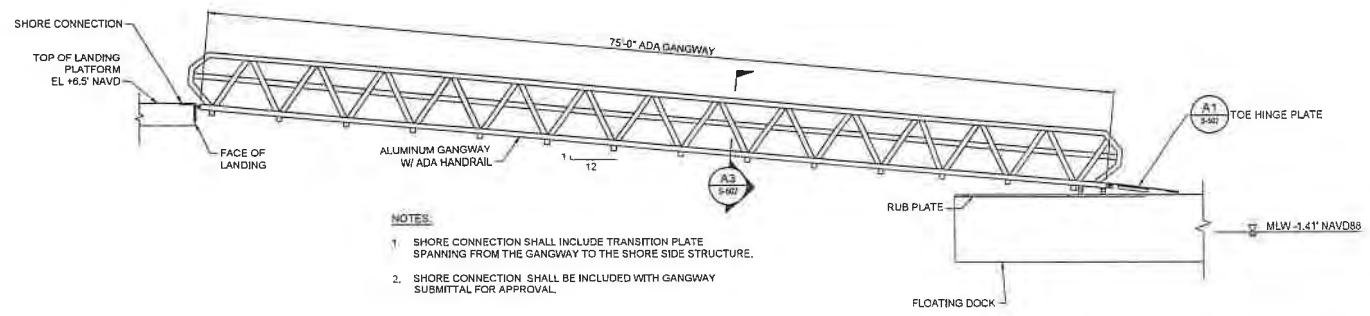
501 E KENNEDY BLVD SUITE 1510
TAMPA, FL 33602
(813) 579-1818
moffatt & nichol REGISTRY NO. 6024467
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
S-501

INDEX 12 OF 14

File: Q:\TAS\2023\2500 CADD\...\S-501 - Plotted: 8/13/2024 8:08 AM by: SMITH, TANY - Saved: 7/29/2024 4:08 PM by: CLLOYD

23-044



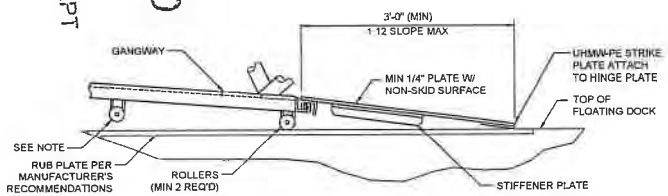
NOTES:

1. SHORE CONNECTION SHALL INCLUDE TRANSITION PLATE SPANNING FROM THE GANGWAY TO THE SHORE SIDE STRUCTURE.
2. SHORE CONNECTION SHALL BE INCLUDED WITH GANGWAY SUBMITTAL FOR APPROVAL.

D1 S-502 ELEVATION - TYPICAL GANGWAY
SCALE: 1/2"=1'-0"

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

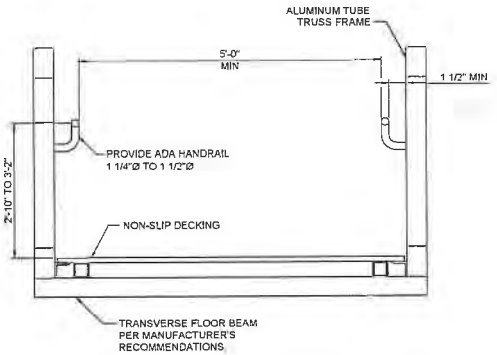
255



NOTE:

CONTRACTOR SHALL PROVIDE A SECONDARY ROLLER/SUPPORT TO ACCOMMODATE HIGH WATER EVENTS

A1 S-502 DETAIL - TOE HINGE PLATE
SCALE: 3/4"=1'-0"



A3 S-502 SECTION - ALUMINUM GANGWAY
SCALE: 1"=1'-0"

SCALE: 1"=1'-0"
SCALE: 3/4"=1'-0"
SCALE: 1/4"=1'-0"

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

GANGWAY DETAILS

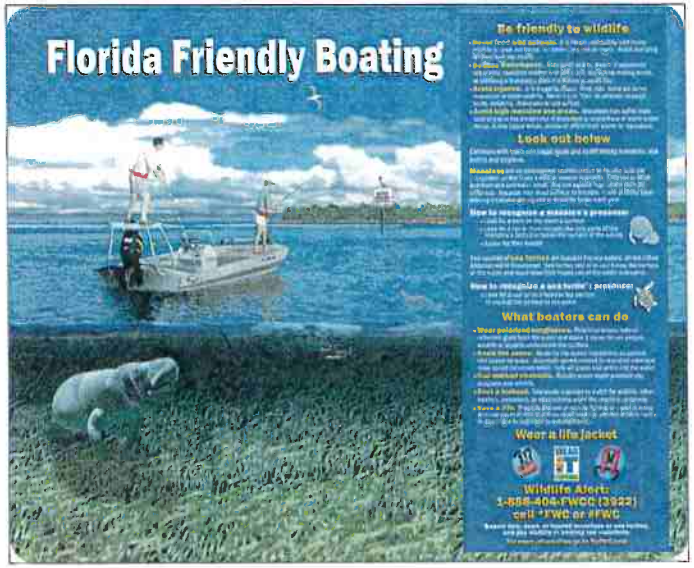
moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.579.9444
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
S-502
INDEX 13 OF 14

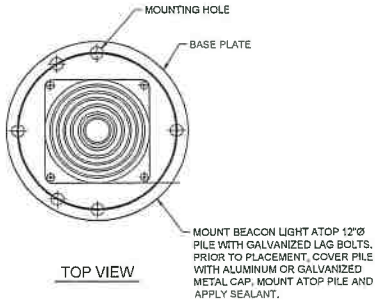
23-044

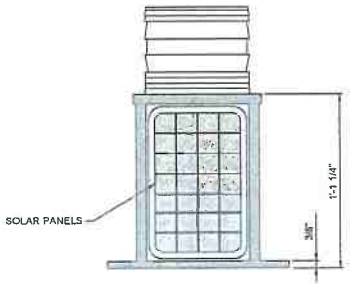


D1 S-102 MANATEE AWARENESS SIGN
SCALE: NTS



C2 S-102 MANATEE EDUCATION SIGN
SCALE: NTS





C4 S-102 DETAIL - WARNING LIGHT
SCALE: NTS

256

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

AIDS TO NAVIGATION AND SIGN DETAILS

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.488.1818
REGISTRY NO. 00001877
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
S-503
INDEX 14 OF 14

APPENDIX B

HILLSBOROUGH BAY BOATING ZONE MAP

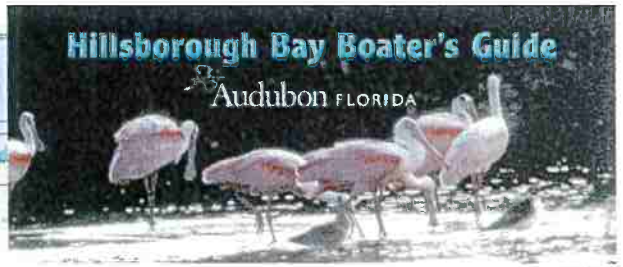
RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

23-044
258
RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

Hillsborough Bay Boater's Guide

Audubon FLORIDA



Over 300 pairs of Roseate Spoonbills, Florida's native pink wader, nest each spring at the Alafia Bank Bird Sanctuary. Photo by Claudine Laabs.

Boater's Tips:

- Stay clear of the main ship channel when large ships are approaching. Some vessels entering Tampa Bay are as long as two football fields, carry hazardous materials, and are very difficult to maneuver. Many clear the 45-foot deep shipping channel by as little as 4 feet, and may require a mile or more to stop. Pilot's vision may be restricted by the large size of the vessel they are captaining. It is up to the small boat operator to keep safely out of the way of these ships.
- Monitor Channel 16 for distress calling and safety, ship-to-ship and ship-to-coast contact.
- Be sure your boat is visible at night and in poor weather conditions.
- The main shipping channels are shown on the map.
- Keep your boat in good repair with all necessary safety equipment on board.
- Watch for changing weather conditions.
- Know your boat's limitations and respect them.
- Jet skis are boats, too, and must follow all boating regulations.
- The U.S. Coast Guard Auxiliary and Power Squadrons offer free boat inspections and boating safety classes. These are interesting, fun, and informative. See Resources for information.
- Be careful to prevent spills during fueling and when adding oil.

Safety and Security:

The Coast Guard Marine Safety and Security Task Force is asking boaters to stay well away from all commercial vessels and facilities in Tampa Bay, to increase public safety and reduce the threat of terrorist attacks. Also, a security zone extends around MacDill Air Force Base and certain areas in the Port. Please refer to the map. To report suspicious activities, call 911 or VHF Channel 16. For more information: 727/824-7531.



Volunteers work to create an oyster reef at Whiskey Stump Key. Photo by Doug Paul.



Speed Restrictions

Vessel speeds are regulated for many reasons including safety concerns in high traffic areas, and to help ensure the safety of swimmers, boaters, or manatees. Please refer to motor exclusion zones and shallow water cautionary zones on the map.

Idle Speed: A vessel operating in an "Idle Speed No Wake" zone must slow to the minimum speed that will maintain steerage control. An example of this is to put a car's automatic transmission in "Drive" and allow it to idle forward.

Slow Speed: A vessel operating in a "Slow Speed Minimum Wake" zone must come fully off plane and completely settle in the water. The vessel's wake must not be excessive, so as not to create a hazard to other vessels. "Slow Speed Minimum Wake" and "Slow Speed" mean the same thing and require the same operation. The terms are used interchangeably.

Resume Normal Safe Operation: When exiting an "Idle Speed" or "Slow Speed" zone, you will see a sign that states "Resume Normal Safe Operation." At this point you may increase your speed to one that is appropriate for the sea and vessel traffic conditions.

No Entry: Boats, people and pets prohibited.

Shallow Water Danger: The areas behind the signs are very shallow and have healthy seagrass beds. At high tide, proceed with caution to avoid prop scarring and damage to seagrass. At low tide, only poling or paddling across this area is appropriate, to protect seagrasses.

Seagrasses

Seagrasses are underwater flowering plants that use strong roots to anchor themselves to shallow bay bottoms. Like land plants, seagrasses use photosynthesis to make energy from sunlight. Seagrasses provide critically important food and habitat for many animals, including manatees, turtles, seahorses, seatrout, redfish, tarpon, and shrimp. Seagrasses trap sediment, cleaning the water, and dampen waves near shorelines, reducing erosion.

Please note motor exclusion zones and shallow caution areas on the map. Most seagrass beds occur in waters 3–6 feet deep, and at low tides, they are very vulnerable to "prop-scars"—damage caused by boat propellers plowing deep furrows through the grass that can take years to recover.

Photo of prop-scar, right, by Coral Cassels.



Caution: Seagrass Beds!

Seagrass beds are shown on the map. Boaters passing over seagrass beds should be careful to prevent prop-scarring. If you're near a seagrass bed, reduce speed and tip your motor up as far as possible. If you run aground, stop the motor, tip it all the way up, and walk, pole or push your boat to deeper water.

Seagrasses rely on clean waters. You can help.

- Reduce bay pollution.
- Don't overfertilize lawns.
- Request the Tampa Bay Estuary Program's "Tampa Bay Repair Kit."

Habitat Restoration

Numerous habitat restoration projects have been undertaken around Hillsborough Bay. These create marsh habitat, cleanse stormwater, restore upland sites to healthy communities, and improve wildlife and fisheries values. Enhancement projects are on-going. Some projects include: ◆ Tampa Port Authority Mitigation Project—a large marsh creation and upland habitat management program on Pendola Point and a marsh creation project on the 22nd Street Causeway. ◆ Mosaic Fertilizer LLC, the Florida Department of Environmental Protection, and Water Management District created marsh and canals in the "South Parcel," south of the Alafia River. ◆ Mosaic Fertilizer LLC planted marsh grass and mangroves along the closed gypsum stack shoreline, north of the Alafia River. ◆ Mosaic Fertilizer LLC and the Water Management District restored wetland shorelines along the Delaney Creek Popoff Canal. ◆ The Audubon Society planted marshes and created nesting, roosting, and foraging habitats on the west end of Bunham Island. ◆ Tampa Port Authority Mitigation Project on the east side of Spoil Island 2D, created a mangrove forest shoreline. ◆ The Southwest Florida Water Management District's Surface Water Improvement and Management Program and the County Park's Resource Management Program, with Concerned Citizens of Gibsonton Area, Inc. and Audubon restored the old Gardenville Landfill site as upland habitat and the north side of the old Port Redwing site as the Schultz Restoration Park, with wetlands and estuary habitat. ◆ The Water Management District's Surface Water Improvement and Management Program and the County Park's Resource Management Program are creating estuary habitat and wetlands on disturbed uplands at Apollo Beach, Simmons Park, and Wolf Branch. ◆ The City of Tampa and the Department of Environmental Protection restored a landfill at McKay Bay Nature Park as upland habitat. ◆ The Water Management District's Surface Water Improvement and Management Program and the County Stormwater Team have created stormwater/habitat projects in McKay Bay and Delaney Creek, and are working on projects for Bullfrog Creek and the Alafia River.

Resources

National Response Center:
To report hazardous materials, oil spills, any suspicious activities: 800/424-8802

U.S. Coast Guard
Search & rescue assistance:
727/824-7506
Tampa Marine Safety: 813/228-2191
Boating Safety: www.uscg.boating.org

U.S. Coast Guard Auxiliary
Boating classes, boat inspections.
Find classes: http://cgaux.org/boatinged/class_finder/index.php

U.S. Power Squadrons
Classes in seamanship, navigation, related subjects: 888/FOR-USPS

NOAA Weather Service Broadcast
24-hour weather and marine forecast
Radio: 162.55 Ks/VHF
Phone: 813/645-2506
Web: www.srh.noaa.gov/tbw

Florida Department of Environmental Protection
Oil spill, environmental problems, hazardous materials
Non-emergency: 813/744-6100
Emergency: 800/320-0519
Environmental crimes: 850/414-9663

Florida Fish and Wildlife Conservation Commission (FFWCC)
To report oil, fuel, or hazardous materials spills: 800/320-0519. To report manatee, turtle, or dolphin injury or stranding: 800/636-0511. Wildlife law violations: 888/404-3922. Regional offices: 863/648-3200, www.myfwc.com

Florida Fish and Wildlife Research Institute (FWRI)
Information on research, protection, conservation, or management of Florida's fish and wildlife resources: 727/896-8626

Audubon Florida: Florida Coastal Islands Sanctuaries
National conservation organization, bird colony management: 813/623-6825
Web: fl.audubon.org

Southwest Florida Water Management District, Surface Water Improvement and Management Program
Habitat restoration and water improvement projects: 813/985-7481

Environmental Protection Commission of Hillsborough County
Wetlands violations, water pollution, air quality problems, solid waste violations: 813/272-5960

Hillsborough County Sheriff's Office
Non-emergency: 813/247-8200
Emergency: 911

Hillsborough County Sheriff's Marine Unit
Crime, boating problems, marine emergencies, safety issues, wake zones, violations: 813/247-8629

Hillsborough County Parks, Recreation and Conservation Department
Information on marine safety hazards & speed zones as well as land managed for conservation purposes (note: most are open to the public): 813/635-3500

Hillsborough County City-County Planning Commission
813/272-5940

Tampa Port Authority
Manages port facilities in Hillsborough Bay and bay bottom and docks:
813/905-5045 or 800/741-2297
or 24/7: 813/905-5044

Marine Safety Office Tampa
Oil spills in Tampa Bay: 813/228-2189

Tampa Bay Estuary Program
Government partnership developing long-term master plan for bay restoration and management: 727/893-2765

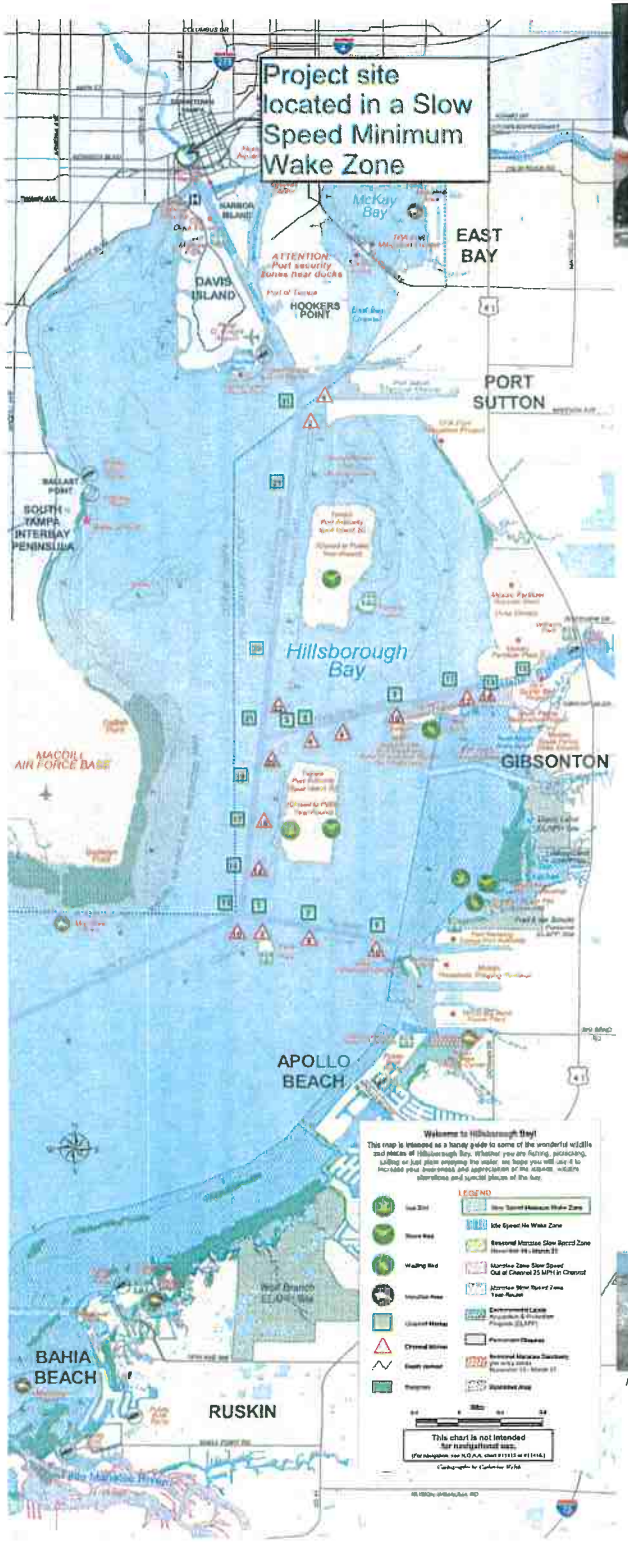
Tampa Bay Watch
Stewardship program for Tampa Bay restoration and protection, volunteer effort coordination: 727/867-8166

Luxury Park Zoo
Manatee hospital and state center for Florida species conservation and biodiversity: 813/935-8552

Florida Aquarium
Public education and enjoyment of Florida waters and wildlife:
813/273-4000

Save Our Seabirds
Seabird rescue and rehabilitation:
941/388-3010

Suncoast Seabird Sanctuary
Assistance with injured seabirds:
727/391-6211



Areas of Special Interest



Tricolored Heron populations in Florida are declining due to destruction of freshwater wetlands where they feed. Photo by Rich Paul.

Hillsborough Bay ranks as one of the most important areas in the United States due to its biological significance. The City of Tampa and the Port of Tampa are both located along the shore of Hillsborough Bay, and it receives water from several important tributaries, including the Hillsborough River, the Palm River/Tampa Bypass Canal, Delaney Creek, Archie Creek, the Alafia River, Bullfrog Creek, and Newman Branch, among others. Key biological sites and other areas of special interest are outlined below. Audubon Florida includes Hillsborough Bay in its list of 100 Important Bird Areas of Florida.

Alafia Bank Bird Sanctuary

The Richard T. Paul Alafia Bank Bird Sanctuary islands (Bird Island to the east, Sunken Island to the west) were created when the Alafia River channel was dredged in the late 1920s. Today, the Alafia Bank is a bird sanctuary, owned by Mosaic Fertilizer LLC and managed by the Audubon Society. Each year 10,000 to 18,000 pairs of 16 to 20 species of birds nest here. It is one of Florida's largest bird colonies and one of the most diverse in the continental U.S. One third of Florida's Roseate Spoonbills nest on the Alafia Bank. Large numbers of migrating and wintering birds rest and feed on the Alafia Bank shores and sandbars. The sanctuary is posted "No Trespassing" and no public access is allowed to protect nesting, resting, and foraging birds from disturbance.

Tampa Port Authority Spoil Islands 2D and 3D

Tampa Port Authority Spoil Islands 2D and 3D are large man-made spoil islands in Hillsborough Bay where dredged material removed from the shipping channels is stored. These islands provide critical nesting sites for ground-nesting birds, including American Oystercatchers, Laughing Gulls, terns and Black Skimmers. The Wildlife Commission lists these spoil islands among Florida's most important sites for colonial beach-nesting birds. Both islands are posted "No Trespassing" for port security and bird protection.

The Port of Tampa is Florida's largest port, and one of the nation's largest ports, each year moving 50 million tons of products valued at over $1 billion. Cruise ships serve over 600,000 passengers each year. The Tampa Port Authority manages the submerged lands in Hillsborough Bay, including several "Aquatic Resource Protection Areas" (ARPAs) where important natural features are protected by special management. ARPAs in Hillsborough Bay include McKay Bay, the Bullfrog Creek ARPA, Gadsden Point, and Pendola Point.

Island 2D (to the north) is where about 10% of Florida's population of American Oystercatchers nest yearly. American Oystercatchers are considered a "species of special concern," with less than 400 pairs in the state. This large black-and-white sandpiper-like bird nests on the beach, just above the high tide line. Humans and dogs on the beach disturb nesting oystercatchers, causing mortality of eggs or chicks. Island 2D is posted "No Trespassing" to protect nesting birds and for port security.

Island 3D is an extremely important nesting site for ground-nesting Caspian Terns, Royal Terns, Sandwich Terns and Black Skimmers. 3D is one of the largest nesting sites for Laughing Gulls in Florida. Island 3D is posted "No Trespassing" to protect nesting birds and for port security.

MacDill Air Force Base on the west side of Hillsborough Bay, has some intact mangrove shoreline, winding tidal creeks, and marshes. Although off-limits to the general public, the base hosts an open house and air show every April. Shallow waters to the south of MacDill protect important seagrass flats and manatees commonly occur here. Note the "Restricted Area."

The Kitchen is a small estuary on the east side of Hillsborough Bay. Excellent water quality, seagrass beds and mangrove shores and islands make it a popular fishing spot, an area of high biological diversity and productivity, and a valuable fish nursery. Thousands of birds use the Kitchen as a feeding site, especially during winter low tides when shallow flats are exposed.

Green Key & Whiskey Stump Key Audubon Sanctuary islands in the Kitchen, are important bird feeding sites. They are posted "No Trespassing" year round.

McKay Bay, the northeast corner of Hillsborough Bay, provides extensive mudflat, salt marsh, and mangrove habitats for birds and other wildlife. A critical feeding and migratory stopover site, McKay Bay is among the outstanding winter sites for shorebirds in the U.S.

The TECO Manatee Viewing Center, adjacent to Tampa Electric Company's Big Bend plant in Apollo Beach, provides an opportunity to see manatees. In winter as the bay water cools, manatees converge at the power plant's warm water discharge. Over 300 manatees have been counted there at once. A boardwalk, interpretive center and observation platform are open November 1–April 30. TECO: 813/228-4289, www.manatee-TECO.com.



Photo by Rich Paul.

◀ Terns

Royal and Sandwich Terns nest at only six colonies in the state, including Spoil Island 3D's beach. Resembling streamlined gulls, these terns lay one egg. They take care of this single chick until the next spring. Very rare Caspian and Gull-billed Terns also nest on Tampa Port Authority Spoil Islands.

White Ibis ➤

A white bird with black-tipped wings, bright red legs, and a red bill which curves distinctly downward. About 10% of Florida's population of White Ibis nests in trees at the Richard T. Paul Alafia Bank Bird Sanctuary. The number of White Ibis in Florida has decreased 80% since the 1940s due to freshwater wetlands destruction. White Ibis is a state-listed "species of special concern." Glossy Ibis, a dark greenish-bronze ibis, also nests at the Alafia Bank.



Photo by Rebecca Field.

Hillsborough Bay is an Estuary

Like all estuaries, Hillsborough Bay is a place where freshwater and saltwater mix. This dynamic system is impacted by constantly changing tides, water levels, salinity, and water temperatures. Special adaptations of the plants and animals that live here help them survive in this demanding ecosystem. More than 95% of Florida's recreationally and commercially important fish, crustaceans, and shellfish live part of their life cycles in estuaries, including Hillsborough Bay. The shallow waters of the bay, its salt marshes, mangroves, and seagrasses provide places for young sealife to hide from larger predators. Estuaries, often called the "nurseries of the sea," are among the most productive landscapes in the world. Rivers and streams drain into Hillsborough Bay's biologically productive estuary, bringing nutrients and sediments that foster growth of salt marsh plants, mangroves, and seagrasses. These plants drop their leaves, which become food for billions of microscopic animals, beginning the food web.



The Richard T. Paul Alafia Bank Bird Sanctuary is listed by the Florida Fish and Wildlife Conservation Commission as the most important wading bird colony in Florida. Photo by Rich Paul.

Mangrove and Salt Marsh Wetlands

The Tampa Bay area has lost more than 40% of its original mangrove and salt-marsh acreage due to shell harvest for roads, dredging, channel deepening, and land-fill development. To participate in restoring salt marshes in Tampa Bay, call Tampa Bay Watch 727/867-8166.



Red mangroves have buttressing prop roots. Photo of oysterbars and mangroves in the Kitchen by Ann Paul.

Mangroves are trees that thrive in the salty intertidal zones of sheltered tropical shores, islands, and estuaries. These trees' special adaptations, including salt-excreting leaves and roots that can block salt, allow them to live in salty water where other plants cannot survive. Mangrove shorelines and forests are vital for healthy coastal ecosystems. The fallen leaves and branches provide nutrients for the intricate food web of the estuary. Mangroves offer refuge and nursery grounds for juvenile fish, crabs, shrimps, and mollusks, plus nesting trees for wading birds, Brown Pelicans, and cormorants. Mangroves also diminish wave action, protecting shorelines from erosion and storm damage. The International Ramsar Convention on Wetlands has identified mangrove forests as one of the most threatened habitats worldwide, with widespread losses in Thailand, the Philippines, Ecuador, and Vietnam. Some of Hillsborough Bay's shorelines and islands still host healthy mangrove shorelines and forests.

Salt marshes occur in the shoreline zone between high and low tide water levels. Many of Florida's marine fish, shellfish, and crustaceans spend the early part of their lives safely hiding from predators in the thick vegetation of the salt marsh nursery. The leaves of the salt marsh grasses die each year, becoming detritus and the basis for the food web, feeding microscopic animals. The extensive root systems of salt marshes can withstand storm surges and help protect uplands. Salt marsh plants can also trap nutrients, pollution, and sediments, keeping bay waters cleaner.

23-044
259
RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

Birds of the Bay

Pelicans, herons, egrets, spoonbills, gulls, terns and skimmers nest in large groups called "colonies." They are among the most visible, beautiful, and popular wildlife species in Florida.

The breeding population of the Tampa Bay region totals 40,000–50,000 nesting pairs annually at more than 20 sites. This includes 25 species of colonial waterbirds, one of the largest and most diverse populations in Florida. Up to half of these birds nest in Hillsborough Bay.



Black Skimmer

Only 2,000 pairs of Black Skimmers, a state-listed "species of special concern," nest in Florida; a nesting colony on Tampa Port Authority Spoil Island 3D usually numbers about 300 pairs. Skimmers nest on sandy beaches just above the high tide line. These colonies are very vulnerable to washout by high tides and storms. Disturbance by humans and dogs can force adults off nests leaving eggs to cook on the hot sand—another major cause of nest failure.



Photos: Black Skimmer, above, by Jim Gray; Snowy Egret, left, by Charles Lee; American Oystercatcher, below, by Jim Gray; oystercatcher eggs in the nest, below right, by Rich Paul.

Snowy Egret

Snowy Egrets use their brightly colored yellow feet to aid in catching fish. Sometimes, they wade in shallow water and move the yellow toes like worms. Fish attracted to the movement are captured. Other times, they drag the yellow feet in water near schools of fish, scaring them towards their beaks.



American Oystercatcher

With fewer than 400 pairs in Florida, this is one of Florida's rarest birds. A large black and white sandpiper-like bird with a giant red-orange bill, oystercatchers nest in shallow scrapes just above the flotsam line on beaches. American Oystercatchers are listed by the Wildlife Commission as a "species of special concern."

About 20% of Florida's oystercatchers nest in Hillsborough Bay on Tampa Port Authority Spoil Islands 2D and 3D, the Alafia Bank and the Fishhook Spoil area near Big Bend.



Laughing Gull

In spring, Laughing Gulls nest on Tampa Port Authority Spoil Island 3D (5,000–10,000 nests, one of the largest colonies in the state). They form large nesting colonies in dune grasses on islands, and also nest on Passage, Egmont, and Shell Keys.

Great Blue Heron

Great Blue Herons, Florida's largest heron, feeds its fast-growing young a variety of food items, including fish, frogs, lizards, snakes, crabs, shrimp, insects, mice, rats, and even other birds. They nest in trees.

Photo by Rich Paul.



Long-billed Curlew

Fairly rare winter visitors to Florida, these large shorebirds boast an extraordinarily long, down-curved beak, useful for probing deep into sand and mud to catch worms and invertebrates. Look for them on sandbars at the Alafia Bank and on oysterbars in the Kitchen.

Long-billed Curlew by Jim Gray.



Roseate Spoonbill

These spectacular pink wading birds have flat, spoon-shaped bills that they sweep side to side in shallow water to catch small fish. Only about 1400 pairs nest in Florida, and one fifth of Florida's spoonbills (over 300 pairs) nest in trees at the Alafia Bank.

Roseate Spoonbill by Jim Gray.



Little Blue Heron

Little Blue Herons nest in trees on the Richard T. Paul Alafia Bank Bird Sanctuary. This bird, listed by the Wildlife Commission as a "species of special concern," hunts for food in freshwater wetlands.

Little Blue Heron, above, by Rich Paul.





People and dogs on nesting islands

create big problems for nesting birds. If people and dogs land on the Alafia Bank or Islands 2D or 3D, they may cause the parent birds to leave their nests. Fish crows or other birds will eat unprotected eggs or young. Visitors may accidentally step on well-camouflaged eggs in ground nests. In the summer sun, embryos in the eggs and young birds overheat quickly, dying in about 20 minutes if the parents cannot shade them. Dogs running through a colony will cause chicks to flee, getting separated from their parents. In the mix-up, other birds may injure a young bird looking for its parent. A brief visit for boaters can destroy an entire year's nesting effort of a whole colony of birds.

The Alafia Bank Sanctuary, Green Key, Whiskey Stump Key and Tampa Port Authority's Spoil Islands 2D and 3D are posted "No Trespassing" all year round.

Boaters can help. Please:

- Comply with signs on nesting islands and beaches, and stay off the land.
- Never let dogs run on nesting colony islands. Birds regard dogs as serious predators and will abandon their nests.
- Between April and August, gulls, terns and skimmers may also nest on unmarked sites. If you notice birds circling noisily over your head, you may be near a nesting colony. Leave quietly, and enjoy the colony from a distance.
- Birds resting and feeding on sandbars and mudflats should not be disturbed. Migrating birds depend on the Bay's resources to provide a nourishing and restful stop-over. Disturbance of birds on sandbars can interfere with their feeding behavior, reducing weight gain, the endurance needed for long flights, and survival.



Why is the Hillsborough Bay estuary special?

Located in the northeastern corner of Tampa Bay, with life-giving nutrients pouring into it from strong river flows from the Hillsborough River, the Alafia River, Bullfrog Creek, and other streams, Hillsborough Bay is famous for its wildlife, including its bird population and the opportunities it offers fishermen. The bay is rich with nutrients, which foster millions of tiny plants and animals, the beginnings of a vibrant food chain. Located next to the City of Tampa and its port facilities, portions of Hillsborough Bay are well known nationwide for hosting large populations of migrating and wintering birds, as well as the fabulous bird colonies on the Richard T. Paul Alafia Bank Bird Sanctuary and the Tampa Port Authority Spoil Islands 2D and 3D. Industrial facilities including the Mosaic Fertilizer plant in Riverview, two major Tampa Electric Company power plants (Big Bend and Apollo Beach), phosphate, metal-recycling, chemical storage, and gasoline terminals, ship maintenance operations, and large cruise ship terminals border the bay. Since the Clean Water Act of the 1970s, major efforts to filter stormwater and reduce pollution entering Hillsborough Bay, and the completion of the advanced wastewater treatment facility for the City of Tampa, have successfully resulted in cleaner water. As a result, seagrass beds are again growing in portions of Hillsborough Bay (see map). Oysterbars along shorelines and in the Kitchen, McKay Bay, and south of MacDill Air Force Bay also improve water quality by filter-feeding. Schools of fish are frequently noted, and the entire bay ecosystem is recovering in health. Crabbers ply their trade, harvesting blue and stone crabs. Restoration projects completed in Hillsborough Bay have created and replanted mangrove and marsh grass shorelines. But the story of Hillsborough Bay is not completed yet. All of us need to dedicate ourselves to continue to protect this beautiful, vibrant, and life-filled Hillsborough Bay treasure.

Royal, Sandwich, and Caspian terns resting on the Alafia Bank, with the City of Tampa's skyline in the background. This is one of three Caspian Tern colonies in Florida, and one of only six Royal and Sandwich tern colonies in the state. In most years, these birds choose to nest on the Tampa Port Authority Spoil Island 3D.

Photo by Betty Wargo.



Photo of shorebirds, above, by Patrick Leary.

Shorebirds

Large numbers of shorebirds visit beaches, mudflats, and sandbars of Hillsborough Bay during migration and over the winter. Shorebirds are long-distance migrants that nest far north in Canada and sometimes even above the Arctic Circle. Shorebirds stop here to refuel for these trips. Key stopovers include McKay Bay, the Alafia Bank, the Kitchen, exposed mudflats of Hillsborough Bay and other shorelines. Repeated disturbance of resting and feeding shorebirds may hinder their ability to successfully complete these incredible journeys, so please don't flush these marathoners from their feeding and roosting areas.



Brown Pelican

An expert fisherman and one of Florida's most recognizable birds, the Brown Pelican dives powerfully into the water to scoop unwary fish into its expandable pouched bill. 300–500 pairs nest every spring in trees on the Alafia flank. Chicks hatch out naked, with gray skin, but quickly grow white downy feathers. They reach sexual maturity at three or four years old.

Brown Pelican by James Hancock.

Mullet

Mullet congregate in shallow portions of Hillsborough Bay from January through April to spawn. During the spawning season, a female can produce nearly a pound of eggs, increasing her weight by nearly 20%. This cigar-shaped, round-headed, foot-long plus fish is a well-known jumper. Mullet are vegetarians, feeding on seagrasses and algae. At all stages of their life, eggs to adult, they are an important part of the estuary's food chain.



American White Pelican

Like a lot of snowbirds, White Pelicans spend the winter in the Tampa Bay area. The White Pelicans that winter in Florida nest near large lakes in North Dakota and Minnesota. They are often seen in large groups in shallow salt-water areas. They feed by herding fish and scooping them up, not by diving.

White Pelicans by Claudine Laabs.

Horseshoe crab photo, above, by Dan Warner, Florida Fish & Wildlife Conservation Commission.

Photo of spotted eagle ray, below, courtesy of Florida Fish & Wildlife Conservation Commission.

Dolphins

Bottle-nosed dolphins are large, intelligent, active aquatic mammals with sleek, gray-brown bodies, a large dorsal fin, and a distinctive, rounded snout. Family groups can be found year-round in Hillsborough and Tampa Bay waters. Scientists have used photo-identification of distinctive marks on dolphins to study the Tampa Bay population since 1975, in what is apparently a relatively "closed" population, genetically distinct from Gulf of Mexico dolphins. There are several stable, resident groups of dolphins in Tampa Bay. Dolphins use the same regions of the bay throughout their lifetimes. Studies estimate a dolphin population for Tampa Bay of about 550 animals. Other species of dolphins and whales that use the Gulf of Mexico and could occasionally venture into waters near Tampa Bay include spotted, striped, rough-toothed, spinner, Risso's, and Fraser's dolphins and sperm, dwarf sperm, pygmy sperm, and Bryde's whales.

Fishing Tips:

- Help fish stocks increase by practicing catch and release.
- Observe regulations and size limits.
- Properly dispose of fishing line in trash cans.
- Use chrome-plated steel, gold-plated steel, or bronze hooks as they corrode quickly in salt water. In contrast, stainless steel hooks do not corrode and will persist in hooked fish and wildlife, harming them. Cadmium-tin-plated steel hooks corrode slowly and give off toxic metals as they slowly dissolve, so they should not be used either.
- Don't feed birds, and especially, don't feed larger fish skeletons or fish heads to birds. Bigger bones puncture delicate digestive tissues, causing internal injuries.
- If you catch an unwanted animal (bird, turtle, etc.), cut the barb to remove the hook. If the animal is hooked deeply, call Florida Fish and Wildlife Conservation Commission enforcement, 888/404-FWCC (3922) to arrange for veterinary assistance. This will save the life of one of these rare animals. If you've caught a turtle, do not lift the turtle using the line; instead use a dip net or its shell (watch out for the flipper claws and beak—they are strong biters!). If you've caught a turtle that is too big to capture or hold, cut the line as close as possible to the turtle's mouth before releasing it. See the section on Fishing Line for tips on handling hooked birds.

Tarpon

Tarpons' size and fighting prowess have made them highly prized as sportfish. These magnificent fish can grow to be 8 feet long and weigh 280 pounds. They spawn millions of eggs off shore in the Gulf of Mexico. Larval tarpon move into estuaries within 30 days, where they develop as juveniles in marshes and mangrove habitats. Females are sexually mature at 10 years old; records show most tarpon caught are 15–30 years old, although biologists have found individuals older than 50 years. Tarpon tournaments are popular in Florida, and one in Tampa Bay has been conducted annually since before World War II. Most tarpon fishing today is catch and release, to protect these extraordinary "silver kings."



Redfish

Redfish, or red drum, are among Florida's most popular game fish, and are large-bodied fish that can reach 4–5 feet in length. They are red-tinged with a prominent black spot near their tails. Crabs, shrimp, and smaller fish are food for redfish. Redfish spawn offshore in fall and winter, and females can lay 2–3 million eggs each. The newly hatched larvae drift with incoming tides back into sheltered bays, where seagrass meadows act as redfish nurseries. Small redfish seek out creeks with mucky bottoms and low oxygen levels, where they can safely hide from larger fish predators while feeding on sediment invertebrates. As redfish mature, their mouths shift in location to the front of their bodies, allowing them to catch swimming fish.



PLEASE! Use proper catch and release techniques. Keep only those fish you'll eat. For information about ethical angling and recreational fishing regulations contact the Tampa Bay Estuary Program, 727/893-2765.

Photos of tarpon, above, and redfish, left, by Captain Russ Shirley, www.captruss.com.

Least Tern

The smallest tern in North American, this "threatened" species nests on sandy, unvegetated barrier island beaches. Since so many of these beaches have been developed, some Least Terns nest on gravel rooftops instead. To report unposted beach colonies, call the Florida Fish and Wildlife Conservation Commission 863/648-3205; to report rooftop colonies, call St. Petersburg Audubon Society 727/384-0027.

Least Tern, above, by Doug Clark.

Reddish Egret

The rarest heron in North America, the Reddish Egret has shaggy head and neck feathers and mating plumes that stretch past its tail. During nesting season, its bill is pink with a black tip. Most are rusty-headed with blue-gray bodies, but a small proportion of Reddish Egrets hatch out as white birds and remain white all their lives. Hunted to near extinction for their breeding plumes, this species is making a slow recovery (about 375 pairs in Florida) and returned to nest in Tampa Bay in 1974. In Hillsborough Bay, about 40 pairs nest in trees at the Alafia Bank. They are very active feeders, running around on shallow flats to capture small fish.

Reddish Egret, left, by Jim Gray.

Manatees

The West Indian Manatee is a large, grayish brown aquatic mammal, with a tube-shaped body and a flat, rounded tail. Its head, often the only part visible above water, has a blunt snout with prominent nostrils and a few coarse whiskers. Because they like shallow water and tend to swim near the surface, most manatees in Florida have been hit by boat propellers and have many scars on their thick skin. Manatees are susceptible to cold and may die if stranded in cold water in the winter. When bay water temperatures drop in the fall, manatees rely on the warm-water outfalls from local power plants, such as the Tampa Electric Company plant at Big Bend. They leave these warm-water sites during the day to forage, and may be seen throughout the bay all year, especially in shallow water areas and near seagrass beds. Manatees are regularly found in Hillsborough Bay. They use the deepwater basins in the Kitchen and the Alafia "South Mouth" area. The Kitchen is the closest feeding site to Tampa Electric's Big Bend power plant, which hosts the biggest wintertime manatee population anywhere in Tampa Bay at over 300 manatees. The seagrass flats south of Big Bend and MacDill Air Force Base are other important feeding sites for manatees. Manatees seek out a combination of seagrass patches, quiet areas, and sites with deep "holes" for safe retreats where they can avoid boat collisions.



Manatee individuals that spend a lot of time in salty estuary or Gulf waters sometimes grow barnacles on their hides. Photo by Rich Paul.



Horseshoe Crabs

Horseshoe crabs aren't really crabs. Surprisingly, they are related to spiders, scorpions, and ticks. Our horseshoe crabs occur along the Atlantic and Gulf coasts as far south as Mexico. The blood of horseshoe crabs uses a copper-containing molecule to carry oxygen, so they are literally "blue bloods." Horseshoe crabs eat clams, worms, dead fish and algae. They have a 19-year life span and reach sexual maturity between 9–12 years. During spring high tides, females towing their mates swim high onto sandy beaches to lay 2,000–30,000 eggs. Most horseshoe crabs don't travel far in their lifetimes, staying about four miles from the beaches where they hatched. Migrating shorebirds such as Red Knots, Dunlin, and Short-billed Dowitchers depend on the energy-rich eggs of horseshoe crabs to power their long trips.



Sharks and Rays

The area of Hillsborough Bay near the mouth of Bullfrog Creek and the Alafia River "South Mouth" is the most important nursery site for bull sharks known on Florida's west coast. Other sharks which occur in Hillsborough Bay include hammerheads, juvenile black-tipped sharks and bonnethead sharks. Hillsborough Bay is also well known for its large population of rays and skates, especially cownosed rays, but also southern and Atlantic stingrays, butter rays, and spotted eagle rays.

Diamondback terrapins, right, are long-lived, active estuary turtles. Generally believed to be a species in decline, terrapins can get caught in crab traps and drown. Photo by Marius Moore.

Snook

Snook are large, silvery, predatory fish with a dark lateral stripe, pointed snouts, and protruding lower jaws. Snook frequent shallow bay waters but are susceptible to cold water temperatures below 60° F). Snook spawn from April through December, lurking in passes near islands and at river mouths, the same locations where they lie in wait for small fish and crustaceans. Nursery habitats for young snook are shallow, brackish streams and canals with overhanging vegetation and flooded marsh grasses. Snook can weigh up to 50 pounds; females can produce millions of eggs—about 50,000 eggs/pound of body weight.

Fishing Line: A Wildlife Killer

Fishing line and other trash that entangles birds, manatees, fish, turtles and other wildlife create devastating problems in the environment. Some birds get caught when they chase fishing bait on a line, hooking themselves accidentally. Carelessly discarded fishing line and nets can get wrapped around birds' legs or wings. Sometimes birds actually carry the material back to line their nests, perhaps mistaking it for straw or grass. In the colony, the line becomes a persistent killer, as one bird after another becomes ensnarled, doomed to a slow death from dehydration and starvation. Hundreds of adult and young birds die each year from entanglement in fishing line. Sea turtles and manatees, as well as fish, are also killed.



Each year, hundreds of birds are killed by becoming entangled in fishing line. Photo by Peter Clark, Tampa Bay Watch.

Caution: Manatee Zone!

Manatees are an endangered species, and the greatest threat to their survival is collisions with boats. Please note the manatee speed zones shown on map.

Boaters should:

- Be on the lookout for manatees, especially in shallow and coastal areas; watch for a line of "swirls" or "glassy" areas on the water, and backs, tails and snouts of manatees at the surface.
- Wear polarized sunglasses so that you can see beneath the water's surface.
- Stay within marked channels to avoid shallow areas where manatees feed and rest.
- Go slowly in shallow water and over seagrass. Pole, paddle, or use a trolling motor.
- Recycle your trash and dispose of it in trash cans, especially fishing line, nets, gear, ropes and plastics, which can tangle around manatees and injure them. Manatees can mistake floating plastic for seagrass and eat it by mistake.
- It is illegal to feed or provide fresh water to manatees. Their natural diet is best.
- Report dead or injured manatees to the Florida Fish and Wildlife Conservation Commission:

888/404-FWCC or 888/404-3922 (Mobile phone: *FWC)

PLEASE! Do not chase or approach manatees: let these curious and friendly creatures come to you. Be gentle with these wild animals.

Sea Turtles

Sea turtles are air-breathing reptiles remarkably suited to life at sea. Essentially unchanged for 110 million years, their hydrodynamic shapes and powerful front flippers allow them to dive to great depths and swim long distances. Once male turtles reach the water as tiny hatchlings, they never return to shore. Females climb out onto Florida's beaches three or four times in the summer to lay about 100 eggs in sandy pits dug with their back flippers. After about two months of incubation, 2-inch hatchlings emerge from the sand all at once, usually at night, and scramble frantically for the relative safety of the seawater. Sea turtles can remain underwater for hours while resting or sleeping; while active, they typically surface several times each hour to breathe. Turtles have no teeth, but crush, bite, and tear their food with powerful jaws. Data from stranding records, aerial surveys, incidental catches, and other sources indicate that sea turtles are common inhabitants of Tampa Bay. Mortality factors include boat collisions (causing 25% of deaths), entanglement in fishing line and other line, incidental catch in nets, and disease. Scientists believe that marine turtle populations in the Tampa Bay area were once quite robust. But turtles were overharvested for food, resulting in severe population losses by 1900.

Loggerheads are listed as "threatened" by the U.S. Fish and Wildlife Service and can be found year-round in the Tampa Bay area. These are among the largest sea turtles, weighing 275 pounds with shells 3 feet long. Loggerheads have large, black-shaped heads. They eat clams, crabs, whelks, and other mollusks and animals. They nest on Gulf of Mexico beaches.

Kemp's Ridley Turtles are listed as endangered by the federal government and as one of the twelve most endangered animals in the world by the International Union for the Conservation of Nature, with fewer than 1000 females. They nest in Mexico but juvenile ridleys seek shelter year-round in Tampa Bay. They eat mostly crabs and crustaceans, finding them in shallow, muddy-bottomed waters. These small turtles are 2–2½ feet long and weigh only 85–100 pounds.

Diamondback Terrapins are the only brackish water turtles in the eastern U.S., ranging from New England to Mexico. This small (6–10 inch shell length as adults) well-camouflaged, yellow-headed reptile lives in estuaries and shallow saltwater marshes. Terrapins eat crabs, snails and mollusks, and dead fish. Females can lay eggs at 7 years old. They dig nests in the sandy beach dunes of islands in Hillsborough Bay, especially the Alafia Bank and islands of the Kitchen.

Help protect turtles!

- Wear polarized sunglasses to see beneath waves, to avoid boat collisions with turtles.
- Properly dispose of trash, especially plastics, fishing line, balloons on strings, and other entangling debris in trash cans.
- Help keep Hillsborough Bay water clean by disposing of yard waste properly, don't overfertilize lawns and plants, and don't pour oil or other poisons into gutters or waterways leading to the bay.



Shrimp

Shrimp are highly valued as food and are commercially fished in Florida waters.

Shrimp spawn in the Gulf, then the tiny larvae float into bays and estuaries with incoming tides, where they hide in seagrass meadows and salt marsh nurseries. Shrimp larvae molt several times, changing shape during their developmental stages. Adult shrimp return to the offshore Gulf waters to spawn.

If you hook a bird, don't just cut the line.

If you are fishing and catch a bird by accident, reel it in carefully and remove the fishing line as gently as possible. Don't just cut the line—that is a death sentence to that bird, Note: The bird won't know you are trying to help and will try to defend itself. Wear sunglasses to protect your eyes and cover the bird's eyes with a towel or shirt to calm it. Hold the wings and legs firmly and put your hat or other soft object in the bird's beak so it will bite that and not your hand. Once the fishing line is removed, release the bird, head pointing away from you. If the bird is badly injured, transport it to Suncoast Seabird Sanctuary or Save Our Seabirds.

What can we do?

- Carefully and properly dispose of fishing line, nets, and other line which could entangle wildlife.
- Pick up fishing line if you see it in the bay and throw it away properly in a trash can.
- Participate in the Annual Monofilament Cleanup of Bird Nesting Colonies, held each fall when the birds are not breeding. Call the Audubon Society 813/623-6826, or Tampa Bay Watch 727/867-8166.

APPENDIX C

RIVERWALK DISTRICT BULKHEAD REPLACEMENT DRAWINGS BY MOFFATT & NICHOL

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

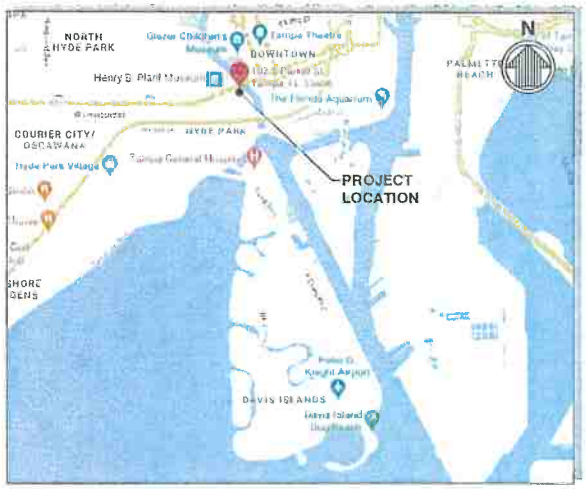
23-044

261

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

SECTION 24, TOWNSHIP 29S, RANGE 18E

102 SOUTH PARKER STREET
TAMPA, FLORIDA 33606



SOURCE: GOOGLE

VICINITY MAP
N.T.S.

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES AND ABBREVIATIONS
3	V-101	EXISTING CONDITIONS AND DEMOLITION PLAN
4	V-301	EXISTING BULKHEAD AND DEMOLITION SECTIONS
5	S-101	BULKHEAD PLAN
6	S-301	BULKHEAD SECTIONS
7	S-501	BULKHEAD DETAILS



SOURCE: GOOGLE

LOCATION PLAN
N.T.S.

PREPARED BY:
moffatt & nichol
501 E KENNEDY BLVD
SUITE 1910
TAMPA, FL 33602
813-258-8818
LIC: EB-0004877

PREPARED FOR:
RELATED
2850 TIGERTAIL AVE.
SUITE 800
MIAMI, FL 33133
(305) 460-9900

PERMIT DRAWINGS
ISSUED: 2022-12-22

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

COVER SHEET

Sheet Reference No.
G-001
INDEX: 1 OF 7

RECEIVED
SEP 13 2024

23-044

262

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND COVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS, MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2022 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
2. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
4. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
6. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
7. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
8. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF **CONSTRUCTION PRIOR TO COMMENCING WITH CONSTRUCTION.** CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
9. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.
10. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
11. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITY.
12. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
14. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY, SECURITY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT OSHA AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND OSHA TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND OWNER WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY **PROCEDURES.**
15. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
16. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS)TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE CITY AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
17. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS.
18. THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
19. IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE, THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
20. SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

SURVEY NOTES

1. ELEVATIONS SHOWN HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. HORIZONTAL COORDINATES ARE IN FEET AND REFERENCED TO FLORIDA STATE PLANE WEST ZONE (NAD 83).
3. UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
4. THE TIDAL DATUM RELATIONSHIP BASED ON FL NOAA VDATUM SOFTWARE, STATION 872-6693, HILLSBOROUGH RIVER ENTRANCE, FLORIDA.

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
MHHW	+ 1.06 FEET
MHW	+ 0.81 FEET
NAV88	0.00 FEET
MSL	- 0.16 FEET
MLW	-1.14 FEET
MLLW	-1.47 FEET

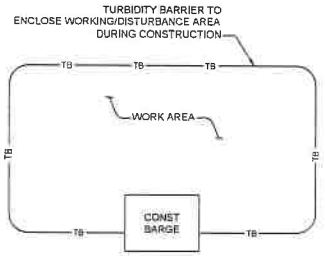
5. HYDROGRAPHIC SURVEY BY GEORGE F. YOUNG, DATED JUNE 9, 2022 AND IS ONLY INDICATIVE OF THE CONDITIONS EXISTING AT THAT TIME.
6. SITE SURVEY BY GEOPOINT SURVEYING, INC, DATED DECEMBER 2021.
7. AQUATIC RESOURCE SURVEY BY BREEDLOVE, DENNIS, AND ASSOCIATES DATED SEPTEMBER 2022.

DEMOLITION NOTES

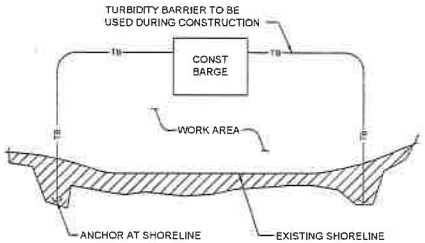
1. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURE. ANY DAMAGE INCURRED IN EXECUTION OF THIS CONTRACT TO ANY PART OF THE PROPERTY/STRUCTURE NOT SPECIFICALLY DESIGNATED FOR DEMOLITION SHALL BE REPAIRED, REPLACED, AND/OR RECONSTRUCTED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AS DIRECTED BY THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
2. PRIOR TO GENERAL DEMOLITION, THE CONTRACTOR SHALL SAWCUT WHERE NOTED OR OTHERWISE PROVIDE A SMOOTH, CLEAN, PARALLEL FULL DEPTH BREAK FROM ALL CONNECTING LINKS TO THE REMAINING STRUCTURE.
3. ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF, AND SHALL BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE REMOVAL, HANDLING, AND DISPOSAL OF ALL DEMOLITION MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.
5. THE CONTRACTOR IS RESPONSIBLE TO CONTROL FUGITIVE DUST ORIGINATING FROM THE PROJECT SITE DURING CONSTRUCTION BY WATERING OR OTHER METHODS AS REQUIRED.
6. ALL SURVEY MONUMENTS WITHIN LIMITS OF CONSTRUCTION ARE TO BE PROTECTED.
7. ALL CONCRETE SHALL BE ASSUMED TO BE STEEL REINFORCED, UON.

ENVIRONMENTAL NOTES

1. TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



PLAN - OFF SHORE

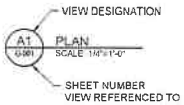


PLAN - ALONG SHORE

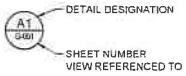
DETAIL - TURBIDITY CONTROL BARRIER

ABBREVIATIONS

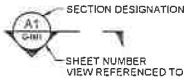
DBL	= DOUBLE
EA	= EACH
EL	= ELEVATION
EMBED	= EMBEDMENT
EQ	= EQUAL
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
GALV	= GALVANIZED
LG	= LONG
MAX	= MAXIMUM
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MIN	= MINIMUM
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
SPA	= SPACES
SS	= STAINLESS STEEL
TYP	= TYPICAL
UON	= UNLESS OTHERWISE NOTED
CL	= CENTERLINE
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
Ø	= DIAMETER
PL	= PLATE



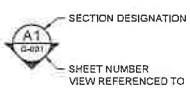
VIEW TITLE



DETAIL CALLOUT



SECTION CALLOUT



ELEVATION VIEW

PERMIT DRAWINGS
ISSUED: 2022-12-22

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

GENERAL NOTES AND ABBREVIATIONS

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA FL 33602
813 225 8554
REGISTRY NO. 000047
WWW.MOFFATTNICHOL.COM

Designed: T. EDEB
Drawn: JLP
Reviewed: H. PAUL
Submitted: J. HOLT, PE
MOFFATT & NICHOL
Date: 2022-10-17
Project No.: 23622
Drawing No.: G-002
Sheet No.: 1 | 10 SHEET

SEAL

Sheet Reference No.
G-002
INDEX: 2 OF 7

Rev. DATE DESCRIPTION

Rev: C:\TAC\2022\09 CADD Admin\Sheets\230222 G-002 - Plotted: 12/20/2022 8:54 AM by LLOYD, CHRIS - Sheet: 10/13/2022 7:33 AM by VPEREZ

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

EXISTING CONDITIONS AND
DEMOLITION PLAN

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 0000837
WWW.MOFFATTNICHOL.COM

Sheet
Reference No.
V-101

INDEX 3 OF 7

PERMIT DRAWINGS
ISSUED: 2022-12-22

SCALE: 1"=40'

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

QUANTITY

BULKHEAD REPLACEMENT - 357 LF

LEGEND

PROPERTY LINE
LIMITS OF NAVIGATION
CONTOUR LINE
SPOT ELEVATION AT TOP OF EXISTING PILE CAP
MEAN HIGH WATER LINE
PIPE OUTFALL
MANGROVE CANOPY

HILLSBOROUGH RIVER

W KENNEDY BLVD

W KELLER AVE

S PARKER ST

LIMITS OF NAVIGATION CHANNEL

LIMITS OF WORK

EXISTING RIPRAP WALL

EXISTING ROCK PILE

PROPERTY BOUNDARY

REPLACE EXISTING BULKHEAD TYPE 3

REPLACE EXISTING BULKHEAD TYPE 2

EXISTING 8" OUTFALL PIPE TO BE PLUGGED AND ABANDONED

REPLACE EXISTING BULKHEAD TYPE 1

APPROXIMATE LIMITS OF EXISTING BLACK MANGROVES TO BE PRESERVED

REPLACE WALL IN EXISTING FOOTPRINT TO AVOID IMPACTS TO MANGROVES

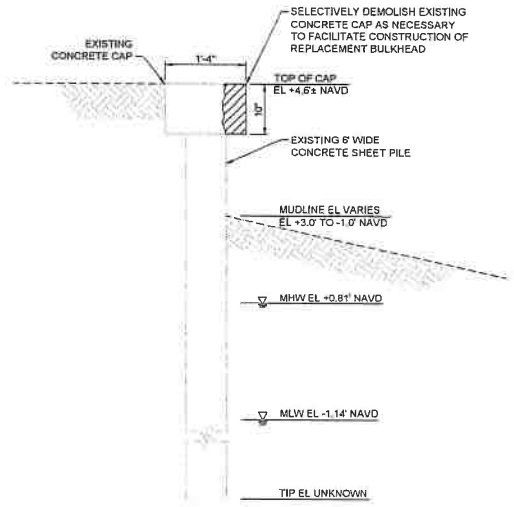
EXISTING ROCK PILE

A1 V-301
A3 V-301
C4 V-301
D1 V-301
D1 V-301

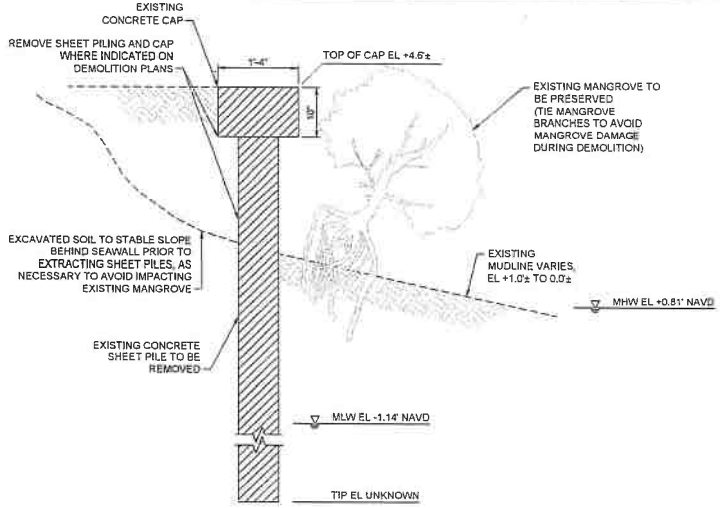
RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-0.44

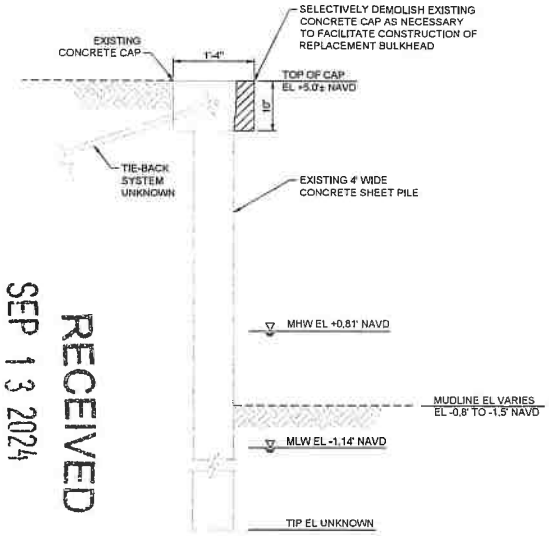
23-044



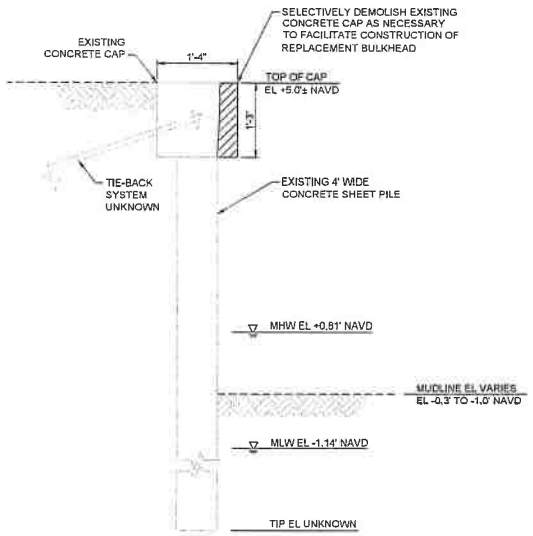
D1 V-101 TYPICAL DEMOLITION SECTION - TYPE 1 BULKHEAD REPLACEMENT
SCALE: 1"=1'-0"



C4 V-101 TYPICAL DEMOLITION SECTION - TYPE 1 BULKHEAD REMOVAL
SCALE: 1"=1'-0"



A1 V-101 TYPICAL DEMOLITION SECTION - TYPE 2 BULKHEAD REPLACEMENT
SCALE: 1"=1'-0"



A3 V-101 TYPICAL DEMOLITION SECTION - TYPE 3 BULKHEAD REPLACEMENT
SCALE: 1"=1'-0"

LEGEND
DEMO HATCH

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMIT DRAWINGS
ISSUED: 2022-12-22

RELATED

RIVERWALK DISTRICT BULKHEAD REPLACEMENT

EXISTING BULKHEAD AND DEMOLITION SECTIONS

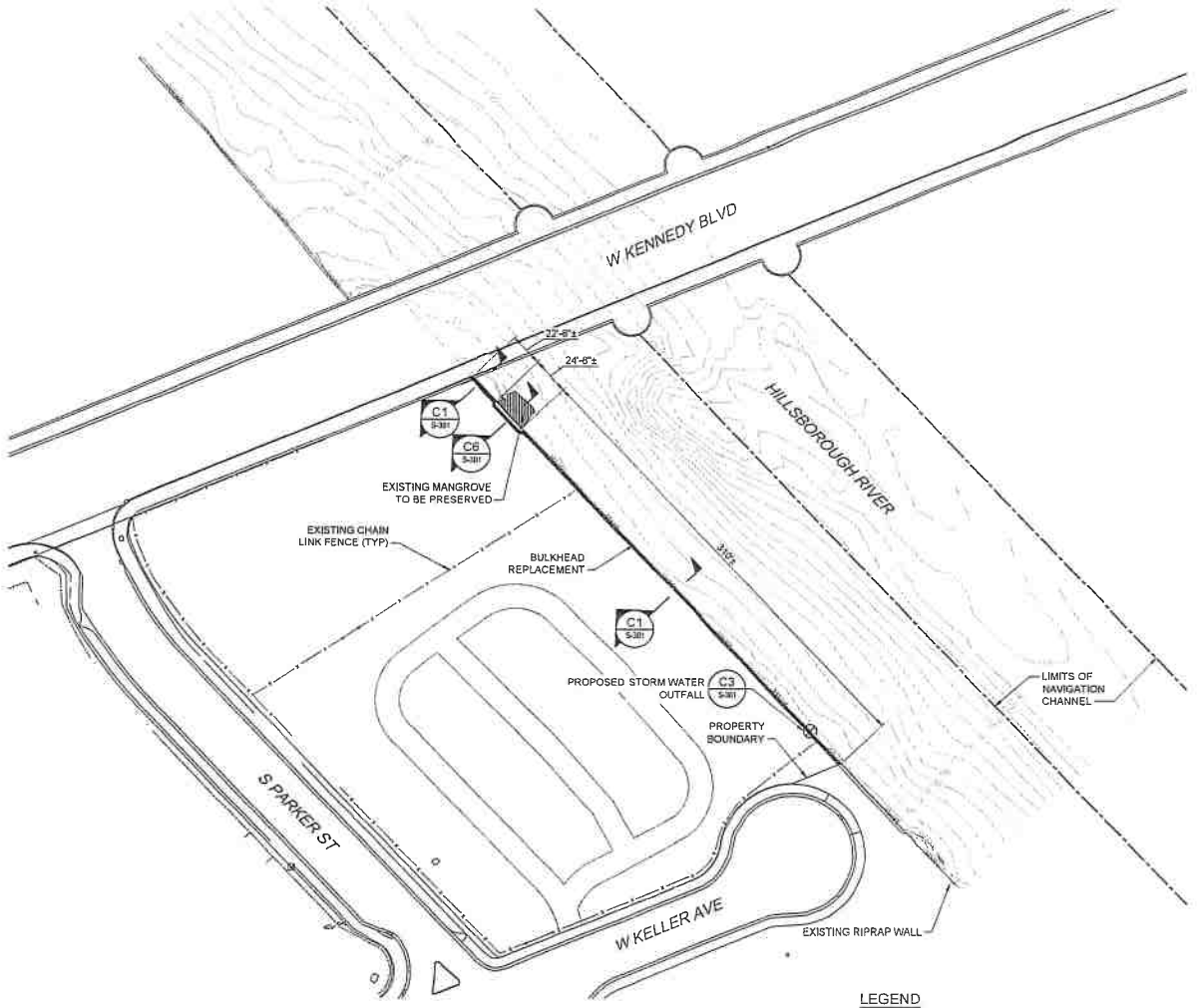
moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.225.7661
REGISTRY NO. 00004827
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
V-301
INDEX: 4 OF 7

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

264



RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

BULKHEAD PLAN

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

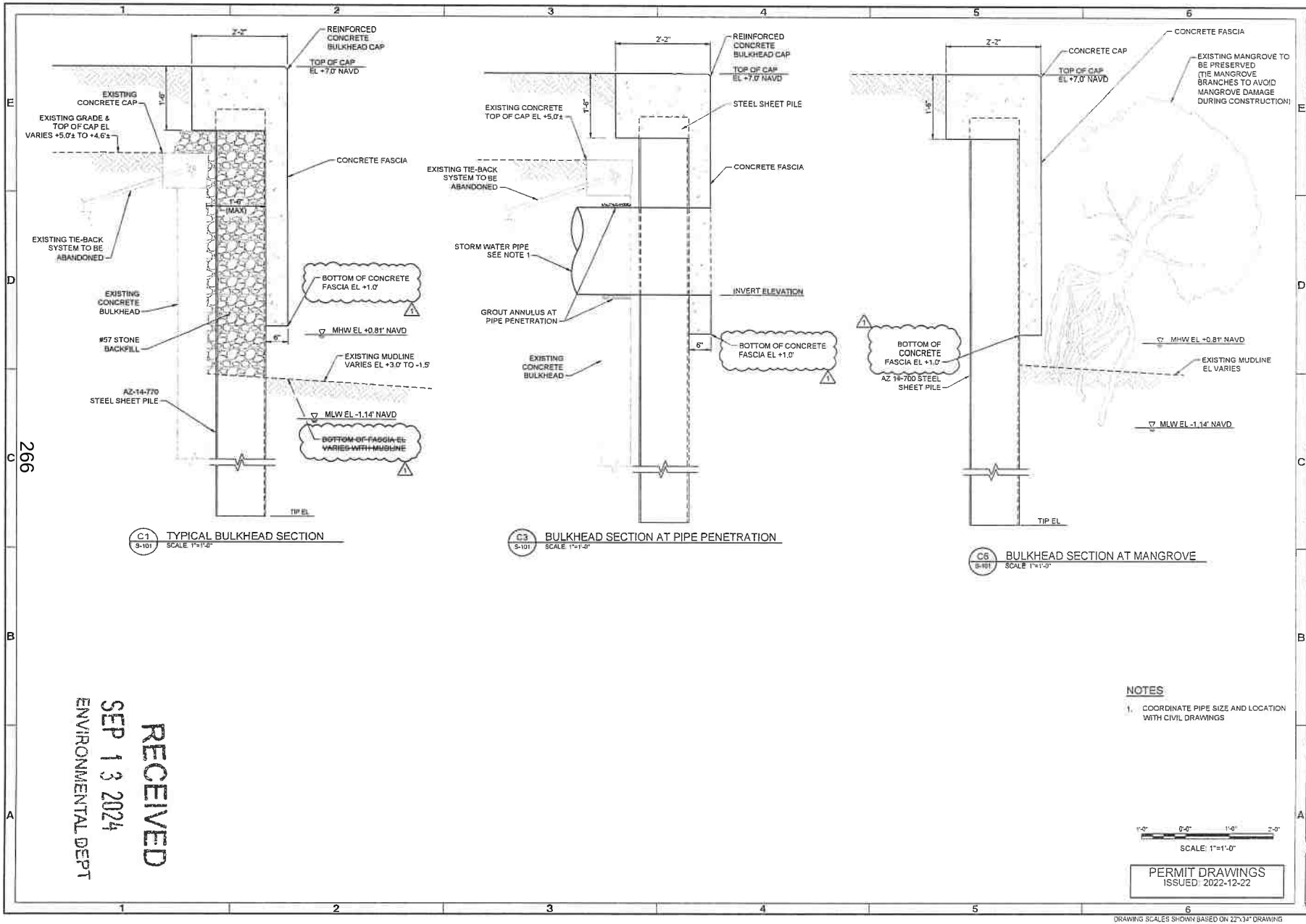
Sheet
Reference No.
S-101
INDEX OF

SEAL

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044



NOTES

1. COORDINATE PIPE SIZE AND LOCATION WITH CIVIL DRAWINGS

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMIT DRAWINGS
ISSUED: 2022-12-22

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

266

RELATED

RIVERWALK DISTRICT BULKHEAD REPLACEMENT

BULKHEAD SECTIONS

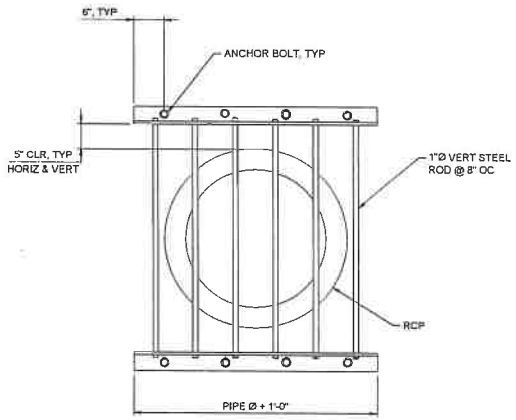
moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.488.1818
REGISTRY NO. 6604987
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
S-301
INDEX # OF #

DRAWING SCALES SHOWN BASED ON 22"X34" DRAWING

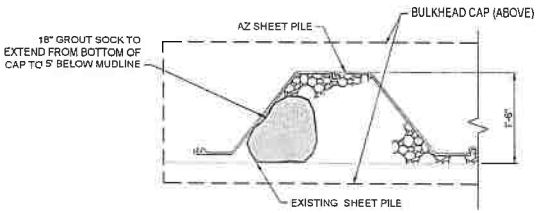
File: G:\TAP\2022\2209225.00\05_Admin\Sheets\2209225_S-301_Plotted: 12/22/2022 8:56 AM by: LLOYD, CHRIS_Shared: 12/22/2022 8:51 AM by: CLLOYD

23-044

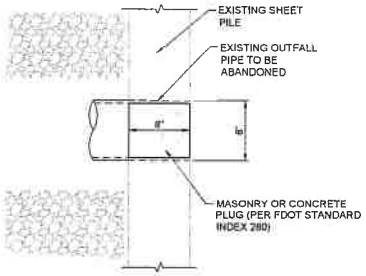


NOTE: MANATEE GRATE SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX NO. 280.

C1 / 5-501 DETAIL - MANATEE PROTECTION CAGE
SCALE 1" = 1'-0"



D4 / 5-501 DETAIL - END DETAIL
SCALE: 1" = 1'-0"



B1 / 5-501 DETAIL - PIPE PLUG
SCALE 1 1/2" = 1'-0"

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

6" 0'-0" 6" 1'-0"
SCALE: 1 1/2"=1'-0"

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMIT DRAWINGS
ISSUED: 2022-12-22

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

BULKHEAD DETAILS

591 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
moffatt & nichol
REGISTRY NO. 0000687
WWW.MOFFATTNICHOL.COM

Designed: T. GOSS
Drawn: YLP
Reviewed: JL PEASE
Submitted: MOSES PAUL PE
Date: 2023-10-17
MN Project No. 22622
Scale: AS NOTED
Drawing No. S-501
Rev. A

SEAL

Sheet Reference No.
S-501
INDEX 7 OF 7

File: C:\TAD\2022\22622\CADD_Revit_Sheets\230322_S-501 Revised 12-22-2022 8:37 AM by LLOYD, CHRIS, Saved: 9/16/2024 2:39 PM by FDOT\MGOEZ

267

APPENDIX D

THE CORPS OF ENGINEERS, JACKSONVILLE DISTRICT, AND THE STATE OF FLORIDA EFFECT DETERMINATION KEY FOR THE MANATEE IN FLORIDA DATED APRIL 3013 AND ADDENDUM DATED MAY 13, 2019

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

THE CORPS OF ENGINEERS, JACKSONVILLE DISTRICT, AND THE STATE OF FLORIDA EFFECT DETERMINATION KEY FOR THE MANATEE IN FLORIDA
April 2013

Purpose and background of the key

The purpose of this document is to provide guidance to improve the review of permit applications by U.S. Army Corps of Engineers' (Corps) Project Managers in the Regulatory Division regarding the potential effects of proposed projects on the endangered West Indian manatee (*Trichechus manatus*) in Florida, and by the Florida Department of Environmental Protection or its authorized designee or Water Management District, for evaluating projects under the State Programmatic General Permit (SPGP) or any other Programmatic General Permits that the Corps may issue for administration by the above agencies. Such guidance is contained in the following dichotomous key. The key applies to permit applications for in-water activities such as, but not limited to: (1) dredging [new or maintenance dredging of not more than 50,000 cubic yards], placement of fill material for shoreline stabilization, and construction/placement of other in-water structures as well as (2) construction of docks, marinas, boat ramps and associated trailer parking spaces, boat slips, dry storage or any other watercraft access structures or facilities.

At a certain step in the key, the user is referred to graphics depicting important manatee areas or areas with inadequate protection. The maps can be downloaded from the Corps' web page at http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx. We intend to utilize the most recent depiction of these areas, so should these areas be modified by statute, rule, ordinance and/or other legal mandate or authorization, we will modify the graphical depictions accordingly. These areas may be shaded or otherwise differentiated for identification on the maps.

Explanatory footnotes are provided in the key and must be closely followed whenever encountered.

Scope of the key

This key should only be used in the review of permit applications for effect determinations on manatees and should not be used for other listed species or for other aquatic resources such as Essential Fish Habitat (EFH). Corps Project Managers should ensure that consideration of the project's effects on any other listed species and/or on EFH is performed independently. This key may be used to evaluate applications for all types of State of Florida (State Programmatic General Permits, noticed general permits, standard general permits, submerged lands leases, conceptual and individual permits) and Department of the Army (standard permits, letters of permission, nationwide permits, and regional general permits) permits and authorizations. The final effect determination will be based on the project location and description; the potential effects to manatees, manatee habitat, and/or manatee critical habitat; and any measures (such as project components, standard construction precautions, or special conditions included in the authorization) to avoid or minimize effects to manatees or manatee critical habitat. Projects that key to a "may affect" determination equate to "likely to adversely affect" situations, and those projects should not be processed under the SPGP or any other programmatic general permit. For

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

all "may affect" determinations, Corps Project Managers shall refer to the Manatee Programmatic Biological Opinion, dated March 21, 2011, for guidance on eliminating or minimizing potential adverse effects resulting from the proposed project. If unable to resolve the adverse effects, the Corps may refer the applicant to the U.S. Fish and Wildlife Service (Service) for further assistance in attempting to revise the proposed project to a "may affect, not likely to adversely affect" level. The Service will coordinate with the Florida Fish and Wildlife Conservation Commission (FWC) and the counties, as appropriate. Projects that provide new access for watercraft and key to "may affect, not likely to adversely affect" may or may not need to be reviewed individually by the Service.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

MANATEE KEY
Florida[1]
April 2013

The key is not designed to be used by the Corps' Regulatory Division for making their effect determinations for dredging projects greater than 50,000 cubic yards, the Corps' Planning Division in making their effect determinations for civil works projects or by the Corps' Regulatory Division for making their effect determinations for projects of the same relative scope as civil works projects. These types of activities must be evaluated by the Corps independently of the key.

A. Project is not located in waters accessible to manatees and does not directly or indirectly affect manatees (see Glossary).....*No effect*

Project is located in waters accessible to manatees **or** directly or indirectly affects manatees ..... B

B. Project consists of one or more of the following activities, all of which are *May affect*:

1. blasting or other detonation activity for channel deepening and/or widening, geotechnical surveys or exploration, bridge removal, movies, military shows, special events, etc.;

2. installation of structures which could restrict or act as a barrier to manatees;

3. new or changes to existing warm or fresh water discharges from industrial sites, power plants, or natural springs or artesian wells (but only if the new or proposed change in discharge requires a Corps permit to accomplish the work);

4. installation of new culverts and/or maintenance or modification of existing culverts (where the culverts are 8 inches to 8 feet in diameter, ungrated and in waters accessible, or potentially accessible, to manatees)[2];

5. mechanical dredging from a floating platform, barge or structure[3] that restricts manatee access to less than half the width of the waterway;

6. creation of new slips or change in use of existing slips, even those located in a county with a State-approved Manatee Protection Plan (MPP) in place and the number of slips is less than the MPP threshold, to accommodate docking for repeat use vessels, (*e.g.*, water taxis, tour boats, gambling boats, etc; or slips or structures that are not civil works projects, but are frequently used to moor large vessels (>100') for shipping and/or freight purposes; does not include slips used for docking at boat sales or repair facilities or loading/unloading at dry stack storage facilities and boat ramps); [Note: For projects within Bay, Dixie, Escambia, Franklin, Gilchrist, Gulf, Hernando, Jefferson, Lafayette, Monroe (south of Craig Key), Nassau, Okaloosa, Okeechobee, Santa Rosa, Suwannee, Taylor, Wakulla or Walton County, the reviewer should proceed to Couplet C.]

7. any type of in-water activity in a Warm Water Aggregation Area (WWAA) or No Entry Area (see Glossary and accompanying Maps[4]); [Note: For residential docking facilities in a Warm Water Aggregation Area that is not a Federal manatee sanctuary or No Entry Area, the reviewer should proceed to couplet C.]

8. creation or expansion of canals, basins or other artificial shoreline and/or the connection of such features to navigable waters of the U.S.; [Note: For projects proposing a single residential dock, the reviewer should proceed to couplet C; otherwise, project is a *May Affect*.]

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

9. installation of temporary structures (docks, buoys, etc.) utilized for special events such as boat races, boat shows, military shows, etc., but only when consultation with the U.S. Coast Guard and FWS has not occurred; [Note: See programmatic consultation with the U.S. Coast Guard on manatees dated May 10, 2010.].

Project is other than the activities listed above.....C

C. Project is located in an Important Manatee Area (IMA) (see Glossary and accompanying Maps[4]) .....D

Project is not located in an Important Manatee Area (IMA) (see Glossary and accompanying Maps[4]) .....G

D. Project includes dredging of less than 50,000 cubic yards.....E

Project does not include dredging .....G

E. Project is for dredging a residential dock facility or is a land-based dredging operation.....N

Project not as above.....F

F. Project proponent **does not elect** to follow all dredging protocols described on the maps for the respective IMA in which the project is proposed .....*May affect*

Project proponent **elects** to follow all dredging protocols described on the maps for the respective IMA in which the project is proposed.....G

G. Project provides new[5] access for watercraft, *e.g.*, docks or piers, marinas, boat ramps and associated trailer parking spaces, new dredging, boat lifts, pilings, floats, floating docks, floating vessel platforms, boat slips, dry storage, mooring buoys, or other watercraft access (residential boat lifts, pilings, floating docks, and floating vessel platforms installed in existing slips are not considered new access) or improvements allowing increased watercraft usage.....H

Project does not provide new[5] access for watercraft, *e.g.*, bulkheads, seawalls, riprap, maintenance dredging, boardwalks and/or the maintenance (repair or rehabilitation) of currently serviceable watercraft access structures provided all of the following are met: (1) the number of slips is not increased; (2) the number of existing slips is not in question; and (3) the improvements do not allow increased watercraft usage.....N

H. Project is located in the Braden River Area of Inadequate Protection (Manatee County) (see Glossary and accompanying AIP Map[4])
.....*May affect*

Project is not located in the Braden River Area of Inadequate Protection (Manatee County) (see Glossary and accompanying AIP Map[4]).....I

I. Project is for a multi-slip facility (see Glossary).....J

Project is for a residential dock facility or is for dredging (see Glossary).....N

J. Project is located in a county that currently has a State-approved MPP in place (BREVARD, BROWARD, CITRUS, CLAY, COLLIER, DUVAL, INDIAN RIVER, LEE, MARTIN, MIAMI-DADE, PALM BEACH, ST. LUCIE, SARASOTA, VOLUSIA) or shares contiguous waters with a county having a State-approved MPP in place (LAKE, MARION, SEMINOLE)[6].....K

Project is located in a county not required to have a State-approved MPP L

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

K. Project has been developed or modified to be consistent with the county's State-approved MPP **and** has been verified by a FWC review (or FWS review if project is exempt from State permitting) **or** the number of slips is below the MPP threshold ..... N

Project has not been reviewed by the FWC or FWS **or** has been reviewed by the FWC or FWS **and** determined that the project is not consistent with the county's State-approved MPP ..... *May affect*

L. Project is located in one of the following counties: CHARLOTTE, DESOTO[7], FLAGLER, GLADES, HENDRY, HILLSBOROUGH, LEVY, MANATEE, MONROE[7], PASCO[7], PINELLAS ..... M

Project is located in one of the following counties: BAY, DIXIE, ESCAMBIA, FRANKLIN, GILCHRIST, GULF, HERNANDO, JEFFERSON, LAFAYETTE, MONROE (south of Craig Key), NASSAU, OKALOOSA, OKEECHOBEE, PUTNAM, SANTA ROSA, ST. JOHNS, SUWANNEE, TAYLOR, WAKULLA, WALTON ..... N

M. The number of slips does not exceed the residential dock density threshold (see Glossary) ..... N

The number of slips exceeds the residential dock density threshold (see Glossary) ..... *May affect*

N. Project impacts to submerged aquatic vegetation[8], emergent vegetation or mangrove will have beneficial, insignificant, discountable[9] or no effects on the manatee[10] ..... O

Project impacts to submerged aquatic vegetation[8], emergent vegetation or mangrove may adversely affect the manatee[10] ..... *May affect*

O. Project proponent **elects** to follow standard manatee conditions for in-water work[11] and requirements, as appropriate for the proposed activity, prescribed on the maps[4] ..... P

Project proponent **does not elect** to follow standard manatee conditions for in-water work[11] and appropriate requirements prescribed on the maps[4] ..... *May affect*

P. If project is for a new or expanding[5] multi-slip facility and is located in a county with a State-approved MPP in place **or** in Bay, Dixie, Escambia, Franklin, Gilchrist, Gulf, Hernando, Jefferson, Lafayette, Monroe (south of Craig Key), Nassau, Okaloosa, Okeechobee, Putnam, St. Johns, Santa Rosa, Suwannee, Taylor, Wakulla or Walton County, the determination of "*May affect, not likely to adversely affect*" is appropriate[12] and no further consultation with the Service is necessary.

If project is for a new or expanding[5] multi-slip facility and is located in Charlotte, Desoto, Flagler, Glades, Hendry, Hillsborough, Levy, Manatee, Monroe (north of Craig Key), Pasco, or Pinellas County, further consultation with the Service is necessary for "*May affect, not likely to adversely affect*" determinations.

If project is for repair or rehabilitation of a multi-slip facility and is located in an Important Manatee Area, further consultation with the Service is necessary for "*May affect, not likely to adversely affect*" determinations. If project is for repair or rehabilitation of a multi-slip facility and: (1) is not located in an Important Manatee Area; (2) the number of slips is not increased; (3) the number of existing slips is not in question; and (4) the improvements to the existing watercraft access structures do not allow increased watercraft usage, the determination of "*May affect, not likely to adversely affect*" is appropriate[12] and no further consultation with the Service is necessary.

If project is a residential dock facility, shoreline stabilization, or dredging, the determination of "*May affect, not likely to adversely affect*" is appropriate[12] and no further consultation with the Service is necessary. Note: For residential dock facilities located in a Warm Water Aggregation Area or in a No Entry area, seasonal restrictions may apply. See footnote 4 below for maps showing restrictions.

If project is other than repair or rehabilitation of a multi-slip facility, a new[5] multi-slip facility, residential dock facility, shoreline stabilization, or dredging, and does not provide new[5] access for watercraft or

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

improve an existing access to allow increased watercraft usage, the determination of "*May affect, not likely to adversely affect*" is appropriate[12] and no further consultation with the Service is necessary.

[1] On the St. Mary's River, this key is only applicable to those areas that are within the geographical limits of the State of Florida.

[2] All culverts 8 inches to 8 feet in diameter must be grated to prevent manatee entrapment. To effectively prevent manatee access, grates must be permanently fixed, spaced a maximum of 8 inches apart (may be less for culverts smaller than 16 inches in diameter) and may be installed diagonally, horizontally or vertically. For new culverts, grates must be attached prior to installation of the culverts. Culverts less than 8 inches or greater than 8 feet in diameter are exempt from this requirement. If new culverts and/or the maintenance or modification of existing culverts are grated as described above, the determination of "*May affect, not likely to adversely affect*" is appropriate[11] and no further consultation with the Service is necessary.

[3] If the project proponent agrees to follow the standard manatee conditions for in-water work as well as any special conditions appropriate for the proposed activity, further consultation with the Service is necessary for "*May affect, not likely to adversely affect*" determinations. These special conditions may include, but are not limited to, the use of dedicated observers (see Glossary for definition of dedicated observers), dredging during specific months (warm weather months vs cold weather months), dredging during daylight hours only, adjusting the number of dredging days, does not preclude or discourage manatee egress/ingress with turbidity curtains or other barriers that span the width of the waterway, etc.

[4] Areas of Inadequate Protection (AIPs), Important Manatee Areas (IMAs), Warm Water Aggregation Areas (WWAAs) and No Entry Areas are identified on these maps and defined in the Glossary for the purposes of this key. These maps can be viewed on the Corps' web page. If projects are located in a No Entry Area, special permits may be required from FWC in order to access these areas (please refer to Chapter 68C-22 F.A.C. for boundaries; maps are also available at FWC's web page).

[5] New access for watercraft is the addition or improvement of structures such as, but not limited to, docks or piers, marinas, boat ramps and associated trailer parking spaces, boat lifts, pilings, floats, floating docks, floating vessel platforms, (maintenance dredging, residential boat lifts, pilings, floating docks, and floating vessel platforms installed in existing slips are not considered new access), boat slips, dry storage, mooring buoys, new dredging, etc., that facilitates the addition of watercraft to, and/or increases watercraft usage in, waters accessible to manatees. The repair or rehabilitation of any type of currently serviceable watercraft access structure is not considered new access provided all of the following are met: (1) the number of slips is not increased; (2) the number of existing slips is not in question; and (3) the improvements to the existing watercraft access structures do not result in increased watercraft usage.

[6] Projects proposed within the St. Johns River portion of Lake, Marion, and Seminole counties and contiguous with Volusia County shall be evaluated using the Volusia County MPP.

[7] For projects proposed within the following areas: the Peace River in DeSoto County; all areas north of Craig Key in Monroe County, and the Anclote and Pithlachascotee Rivers in Pasco County, proceed to Couplet M. For all other locations in DeSoto, Monroe (south of Craig Key) and Pasco Counties, proceed to couplet N.

[8] Where the presence of the referenced vegetation is confirmed within the area affected by docks and other piling-supported minor structures and the reviewer has concluded that the impacts to SAV, marsh or mangroves would not adversely affect the manatee or its critical habitat, proceed to couplet O.

Where the presence of the referenced vegetation is confirmed within the area affected by docks and other piling-supported minor structures and the reviewer has concluded that the impacts to SAV, marsh or mangroves would adversely affect the manatee or its critical habitat, the applicant can elect to avoid/minimize impacts to that vegetation. In that instance, where impacts are unavoidable and the applicant elects to abide by or employ construction techniques that exceed the criteria in the following documents, the reviewer should conclude that the impacts to SAV, marsh or mangroves would not adversely affect the manatee or its critical habitat and proceed to couplet O.

- "Construction Guidelines in Florida for Minor Piling-Supported Structures Constructed in or over Submerged Aquatic Vegetation (SAV), Marsh or Mangrove Habitat," prepared jointly by the U.S. Army Corps of Engineers and the National Marine Fisheries Service (August 2001) [refer to the Corps' web page], and

- "Key for Construction Conditions for Docks or Other Minor Structures Constructed in or over Johnson's seagrass (*Halophila johnsonii*)," prepared jointly by the National Marine Fisheries Service and U.S. Army Corps of Engineers (October 2002), for those projects within the known range of Johnson's seagrass occurrence (Sebastian Inlet to central Biscayne Bay in the lagoon systems on the east coast of Florida) [refer to the Corps' web page],

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

Where the presence of the referenced vegetation is confirmed within the area affected by docks and other piling-supported minor structures and the reviewer has concluded that the impacts to SAV, marsh or mangroves would adversely affect the manatee or its critical habitat, and the applicant does not elect to follow the above Guidelines, the Corps will need to request formal consultation on the manatee with the Service as *May affect.*

For activities other than docks and other piling-supported minor structures proposed in SAV, marsh, or mangroves (*e.g.*, new dredging, placement of riprap, bulkheads, etc.), if the reviewer determines the impacts to the SAV, marsh or mangroves will not adversely affect the manatee or its critical habitat, proceed to couplet O, otherwise the Corps will need to request formal consultation on the manatee with the Service as *May affect.*

[9] See Glossary, under "is not likely to adversely affect."

[10] Federal reviewers, when making your effects determination, consider effects to manatee designated critical habitat pursuant to section 7(a)(2) of the Endangered Species Act. State reviewers, when making your effects determination, consider effects to manatee habitat within the entire State of Florida, pursuant to Chapter 370.12(2)(b) Florida Statutes.

[11] See the Corps' web page for manatee construction conditions. At this time, manatee construction precautions c and f are not required in the following Florida counties: Bay, Escambia, Franklin, Gilchrist, Gulf, Jefferson, Lafayette, Okaloosa, Santa Rosa, Suwannee, and Walton.

[12] By letter dated April 25, 2013, the Corps received the Service's concurrence with "*May affect, not likely to adversely affect*" determinations made pursuant to this key for the following activities: (1) selected non-watercraft access projects; (2) watercraft-access projects that are residential dock facilities, excluding those located in the Braden River AIP; (3) launching facilities solely for kayaks and canoes, and (4) new or expanding multi-slip facilities located in Bay, Dixie, Escambia, Franklin, Gilchrist, Gulf, Hernando, Jefferson, Lafayette, Monroe (south of Craig Key), Nassau, Okaloosa, Okeechobee, Santa Rosa, Suwannee, Taylor, Wakulla or Walton County.

Additionally, in the same letter dated April 25, 2013, the Corps received the Service's concurrence for "*May affect, not likely to adversely affect*" determinations specifically made pursuant to Couplet G of the key for the repair or rehabilitation of currently serviceable multi-slip watercraft access structures provided all of the following are met: (1) the project is not located in an IMA, (2) the number of slips is not increased; (3) the number of existing slips is not in question; and (4) the improvements to the existing watercraft access structures do not allow increased watercraft usage. Upon receipt of such a programmatic concurrence, no further consultation with the Service for these projects is required.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

GLOSSARY

Areas of inadequate protection (AIP) – Areas within counties as shown on the maps where the Service has determined that measures intended to protect manatees from the reasonable certainty of watercraft-related take are inadequate. Inadequate protection may be the result of the absence of manatee or other watercraft speed zones, insufficiency of existing speed zones, deficient speed zone signage, or the absence or insufficiency of speed zone enforcement.

Boat slip – A space on land or in or over the water, other than on residential land, that is intended and/or actively used to hold a stationary watercraft or its trailer, and for which intention and/or use is confirmed by legal authorization or other documentary evidence. Examples of boat slips include, but are not limited to, docks or piers, marinas, boat ramps and associated trailer parking spaces, boat lifts, floats, floating docks, pilings, boat davits, dry storage, etc.

Critical habitat – For listed species, this consists of: (1) the specific areas within the geographical area occupied by the species, at the time it is listed in accordance with the provisions of section 4 of the Endangered Species Act (ESA), on which are found those physical or biological features (constituent elements) (a) essential to the conservation of the species and (b) which may require special management considerations or protection; and (2) specific areas outside the geographical area occupied by the species at the time it is listed in accordance with the provisions of section 4 of the ESA, upon a determination by the Secretary that such areas are essential for the conservation of the species. Designated critical habitats are described in 50 CFR 17 and 50 CFR 226.

Currently serviceable – Currently, serviceable means usable as is or with some maintenance, but not so degraded as to essentially require reconstruction.

Direct effects – The direct or immediate effects of the project on the species or its habitat.

Dredging – For the purposes of this key, the term dredging refers to all in-water work associated with dredging operations, including mobilization and demobilization activities that occur in water or require vessels.

Emergent vegetation – Rooted emergent vascular macrophytes such as, but not limited to, cordgrass (*Spartina alterniflora and S. patens*), needle rush (*Juncus roemerianus*), swamp sawgrass (*Cladium mariscoides*), saltwort (*Batis maritima*), saltgrass (*Distichlis spicata*), and glasswort (*Salicornia virginica*) found in coastal salt marsh-related habitats (tidal marsh, salt marsh, brackish marsh, coastal marsh, coastal wetlands, tidal wetlands).

Formal consultation – A process between the Services and a Federal agency or applicant that: (1) determines whether a proposed Federal action is likely to jeopardize the continued existence of listed species or destroy or adversely modify designated critical habitat; (2) begins with a Federal agency's written request and submittal of a complete initiation package; and (3) concludes with the issuance of a biological opinion and incidental take statement by either of the Services. If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required (except when the Services concur, in writing, that a proposed

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

action "is not likely to adversely affect" listed species or designated critical habitat). [50 CFR 402.02, 50 CFR 402.14]

Important manatee areas (IMA) – Areas within certain counties where increased densities of manatees occur due to the proximity of warm water discharges, freshwater discharges, natural springs and other habitat features that are attractive to manatees. These areas are heavily utilized for feeding, transiting, mating, calving, nursing or resting as indicated by aerial survey data, mortality data and telemetry data. Some of these areas may be federally-designated sanctuaries or state-designated "seasonal no entry" zones. Maps depicting important manatee areas and any accompanying text may contain a reference to these areas and their special requirements. Projects proposed within these areas must address their special requirements.

Indirect effects – Those effects that are caused by or will result from the proposed action and are later in time, but are still reasonably certain to occur. Examples of indirect effects include, but are not limited to, changes in water flow, water temperature, water quality (*e.g.*, salinity, pH, turbidity, nutrients, chemistry), prop dredging of seagrasses, and manatee watercraft injury and mortality. Indirect effects also include watercraft access developments in waters not currently accessible to manatees, but watercraft access can, is, or may be planned to waters accessible to manatees by the addition of a boat lift or the removal of a dike or plug.

Informal consultation – A process that includes all discussions and correspondence between the Services and a Federal agency or designated non-Federal representative, prior to formal consultation, to determine whether a proposed Federal action may affect listed species or critical habitat. This process allows the Federal agency to utilize the Services' expertise to evaluate the agency's assessment of potential effects or to suggest possible modifications to the proposed action which could avoid potentially adverse effects. If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required (except when the Services concur, in writing, that a proposed action "is not likely to adversely affect" listed species or designated critical habitat). [50 CFR 402.02, 50 CFR 402.13]

In-water activity – Any type of activity used to construct/repair/replace any type of in-water structure or fill; the act of dredging.

In-water structures – watercraft access structures – Docks or piers, marinas, boat ramps, boat slips, boat lifts, floats, floating docks, pilings (depending on use), boat davits, etc.

In-water structures – other than watercraft access structures – Bulkheads, seawalls, riprap, groins, boardwalks, pilings (depending on use), etc.

Is likely to adversely affect – The appropriate finding in a biological assessment (or conclusion during informal consultation) if any adverse effect to listed species may occur as a direct or indirect result of the proposed action or its interrelated or interdependent actions and the effect is not: discountable, insignificant, or beneficial (see definition of "is not likely to adversely affect"). An "is likely to adversely affect" determination requires the initiation of formal consultation under section 7 of the ESA.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

Is not likely to adversely affect – The appropriate conclusion when effects on listed species are expected to be discountable, insignificant, or completely beneficial. **Discountable effects** are those extremely unlikely to occur. **Insignificant effects** relate to the size of the impact and should never reach the scale where take occurs. **Beneficial effects** are contemporaneous positive effects without any adverse effects to the species. Based on best judgment, a person would not (1) be able to meaningfully measure, detect, or evaluate insignificant effects or (2) expect discountable effects to occur.

Manatee Protection Plan (MPP) – A manatee protection plan (MPP) is a comprehensive planning document that addresses the long-term protection of the Florida manatee through law enforcement, education, boat facility siting, and habitat protection initiatives. Although MPPs are primarily developed by the counties, the plans are the product of extensive coordination and cooperation between the local governments, the FWC, the Service, and other interested parties.

Manatee Protection Plan thresholds – The smallest size of a multi-slip facility addressed under the purview of a Manatee Protection Plan (MPP). For most MPPs, this threshold is five slips or more. For Brevard, Clay, Citrus, and Volusia County MPPs, this threshold is three slips or more.

Mangroves – Rooted emergent trees along a shoreline that, for the purposes of this key, include red mangrove (*Rhizophora mangle*), black mangrove (*Avicennia germinans*) and white mangrove (*Laguncularia racemosa*).

May affect – The appropriate conclusion when a proposed action may pose any effects on listed species or designated critical habitat. When the Federal agency proposing the action determines that a "may affect" situation exists, then they must either request the Services to initiate formal consultation or seek written concurrence from the Services that the action "is not likely to adversely affect" listed species. For the purpose of this key, all "may affect" determinations equate to "likely to adversely affect" and Corps Project Managers should request the Service to initiate formal consultation on the manatee or designated critical habitat. **No effect** – the appropriate conclusion when the action agency determines its proposed action will not affect a listed species or designated critical habitat.

Multi-slip facility – Multi-slip facilities include commercial marinas, private multi-family docks, boat ramps and associated trailer parking spaces, dry storage facilities and any other similar structures or activities that provide access to the water for multiple (five slips or more, except in Brevard, Clay, Citrus, and Volusia counties where it is three slips or more) watercraft. In some instances, the Corps and the Service may elect to review multiple residential dock facilities as a multi-slip facility.

New access for watercraft – New dredging and the addition, expansion or improvement of structures such as, but not limited to, docks or piers, marinas, boat ramps and associated trailer parking spaces, boat lifts, pilings, floats, floating docks, floating vessel platforms, (residential boat lifts, pilings, floats, and floating vessel platforms installed in existing slips are not considered new access), boat slips, dry storage, mooring buoys, etc., that facilitates the addition of watercraft to, and/or increases watercraft usage in, waters accessible to manatees.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

Observers – During dredging and other in-water operations within manatee accessible waters, the standard manatee construction conditions require all on-site project personnel to watch for manatees to ensure that those standard manatee construction conditions are met. Within important manatee areas (IMA) and under special circumstances, heightened observation is needed. **Dedicated Observers** are those having some prior experience in manatee observation, are dedicated only for this task, and must be someone other than the dredge and equipment operators/mechanics. **Approved Observers** are dedicated observers who also must be approved by the Service (if Federal permits are involved) and the FWC (if state permits are involved), prior to work commencement. Approved observers typically have significant and often project-specific observational experience. Documentation on prior experience must be submitted to these agencies for approval and must be submitted a minimum of 30 days prior to work commencement. When dedicated or approved observers are required, observers must be on site during all in-water activities, and be equipped with polarized sunglasses to aid in manatee observation. For prolonged in-water operations, multiple observers may be needed to perform observation in shifts to reduce fatigue (recommended shift length is no longer than six hours). Additional information concerning observer approval can be found at FWC's web page.

Residential boat lift – A boat lift installed on a residential dock facility.

Residential dock density ratio threshold – The residential dock density ratio threshold is used in the evaluation of multi-slip projects in some counties without a State-approved Manatee Protection Plan and is consistent with 1 boat slip per 100 linear feet of shoreline (1:100) owned by the applicant.

Residential dock facility – A residential dock facility means a private residential dock which is used for private, recreational or leisure purposes for single-family or multi-family residences designed to moor no more than four vessels (except in Brevard, Clay, Citrus, and Volusia counties which allow only two vessels). This also includes normal appurtenances such as residential boat lifts, boat shelters with open sides, stairways, walkways, mooring pilings, dolphins, etc. In some instances, the Corps and the Service may elect to review multiple residential dock facilities as a multi-slip facility.

Submerged aquatic vegetation (SAV) – Rooted, submerged, aquatic plants such as, but not limited to, shoal grass (*Halodule wrightii*), paddle grass (*Halophila decipiens*), star grass (*Halophila engelmanni*), Johnson's seagrass (*Halophila johnsonii*), sago pondweed (*Potamogeton pectinatus*), clasping-leaved pondweed (*Potamogeton perfoliatus*), widgeon grass (*Ruppia maritima*), manatee grass (*Syringodium filiforme*), turtle grass (*Thalassia testudinum*), tapegrass (*Vallisneria americana*), and horned pondweed (*Zannichellia palustris*).

Warm Water Aggregation Areas (WWAAs) and **No Entry Areas** – Areas within certain counties where increased densities of manatees occur due to the proximity of artificial or natural warm water discharges or springs and are considered necessary for survival. Some of these areas may be federally-designated manatee sanctuaries or state-designated seasonal "no entry" manatee protection zones. Projects proposed within these areas may require consultation in order to offset expected adverse impacts. In addition, special permits may be required from the FWC in order to access these areas.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

Watercraft access structures – Docks or piers, marinas, boat ramps and associated trailer parking spaces, boat slips, boat lifts, floats, floating docks, pilings, boat davits, dry storage, etc.

Waters accessible to manatees – Although most waters of the State of Florida are accessible to the manatee, there are some areas such as landlocked lakes that are not. There are also some weirs, salinity control structures and locks that may preclude manatees from accessing water bodies. If there is any question about accessibility, contact the Service or the FWC.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

United States Department of the Interior

FISH AND WILDLIFE SERVICE
1339 20th Street
Vero Beach, Florida 32960

May 13, 2019

Andrew D. Kelly, Jr., Colonel
District Commander
U.S. Army Corps of Engineers
P.O. Box 4970
Jacksonville, Florida 32232-0019

Dear Colonel Kelly:

The U.S. Fish and Wildlife Service (Service) and the U.S. Army Corps of Engineers (Corps) currently use a dichotomous key (Key) to assist in making effect determinations pursuant to the Endangered Species Act for in-water activities that may affect manatees. Recently, Corps and Service staff identified the need to make several revisions to the 2013 Key to address new issues and changed circumstances. Although a more complete revision is needed in the future, three issues need to be addressed as soon as possible: 1) requirements associated with clamshell dredge head operation; 2) locations and conditions related to impact hammer driven metal piles and/or sheet piles; and 3) incorporation of the current list of counties that have approved Manatee Protection Plans (MPPs).

For the purpose of continuing to use the Key on projects that involve clamshell dredging or impact driving of metal piles or sheet piles, the Service is issuing this letter as an addendum to the Key. The Service finds work that keys out as "not likely to adversely affect" the manatee or its critical habitat using the 2013 Key is still the appropriate determination provided there is adherence to the following additional conditions:

1) During clamshell dredging operations, the dredge operator shall gravity-release the clamshell bucket only at the water's surface, and only after confirmation that there are no manatees within the safety distance identified in the standard construction conditions (or a 75-foot buffer if dredging is authorized at night);

2) Installation of metal pilings or metal sheet piles by impact hammer – if not within Important Manatee Areas, Warm Water Aggregation Areas, or Federal manatee sanctuaries or state-designated No Entry Areas - may occur under the following conditions: a) Use of at least one dedicated manatee observer, with all work being stopped if a manatee is observed within 1000 feet; b) no work shall occur outside of daylight hours (defined as one-half hour after sunrise to one-half hour before sunset); and, c) no more than 5 piles/day may be installed. If within any of the above-described areas, an informal or formal project-specific consultation with the Service is required.

In addition, the following change will allow projects in Charlotte County and Flagler County to be properly handled using the Key:

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

3) Charlotte County and Flagler County shall be added to the list of counties that have an approved Manatee Protection Plan (couplet J of the 2013 Key) and removed from the list of counties included in couplet L and the second category of couplet P of the 2013 Key.

With the above-described changes, the Service affirms that such work would not likely adversely affect the West Indian manatee and no further consultation is required provided all other conditions of the 2013 Key are met. The above changes, and possibly others, will ultimately be reflected in an updated version of the Key. We hope this letter provides the Corps with the ability to continue to work with the 2013 Key and in-water construction conditions until a revised and updated Key is approved.

Thank you for your continued support to facilitate recovery of the West Indian manatee and other species protected under the Endangered Species Act. If you have any questions, please contact Mr. Scott Calleson by e-mail at charles_calleson@fws.gov or by phone at (904) 731-3326.

Sincerely,

Larry Williams

Larry Williams
State Supervisor

cc:
Service, Jacksonville, Florida (Jay Herrington)
Service, Vero Beach, Florida (Bob Progulske, Roxanna Hinzman)

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

APPENDIX E

HILLSBOROUGH COUNTY-CITY PLANNING COMMISSION RESOLUTION LETTER DATED JULY 8, 2024

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

Docusign Envelope ID: D9FEED7C-6A77-421C-A587-7240FC32045D

Hillsborough County
City-County
Planning Commission

Resolution: Port Tampa Bay Standard Work Permit Application No. 23-044, Riverwalk District Waterfront Project

July 8, 2024

WHEREAS, the Hillsborough County City-County Planning Commission developed a Comprehensive Plan for the City of Tampa, pursuant to the provisions of Chapter 163, Florida Statutes, as amended; and

WHEREAS, Port Tampa Bay applied for a Port Tampa Bay Standard Work Permit, Application No. 23-044, to construct a Riverwalk underpass walkway, floating dock with kayak launch, ADA compliant gangway and platform, and living shoreline and perform maintenance dredging on the Hillsborough River; and

WHEREAS, the Hillsborough County City-County Planning Commission is the Local Planning Agency (LPA) charged with reviewing Port Tampa Bay permit applications for consistency with the *Tampa Comprehensive Plan* per Chapter 163, Florida Statutes and Chapters 95-488 and 97-351, Laws of Florida; and

WHEREAS, the Hillsborough County City-County Planning Commission received Port Tampa Bay Standard Work Permit Application No. 23-044, with a request for review for consistency with the *Tampa Comprehensive Plan*; and

WHEREAS, the Hillsborough County City-County Planning Commission reviewed Port Tampa Bay Standard Work Permit Application No. 23-044, considered all relevant information, including the adopted goals, objectives, and policies of the *Tampa Comprehensive Plan* as follows:

Environmental Section - Goals, Objectives, and Policies

ENV Policy 2.4.13: Channelization or hardening (e.g., paving, piping) of natural Shorelines and natural waterways to include tidal creeks is prohibited, except in cases of overriding public interest as established by the City or where necessary for reasonable use of a property as determined by the EPC or Port Tampa Bay. Encourage Shoreline stabilization with native plant communities, Living Shorelines, or nature-based solutions.

ENV Objective 3.1: Improve and maintain the character, retain the natural functions, and maximize the public benefits of the river corridor. Apply the following principles to all development/ redevelopment projects proximate to the Hillsborough River during the land development review process.

ENV Policy 3.1.1: All proposed development and redevelopment projects with Hillsborough River frontage will follow the following principles:

1) Development must be sensitive to and consistent with the unique character of the urban core, lower, middle, and upper River, as defined in the River Corridor Overlay Study.

2) Strict environmental performance standards will be applied to:

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

Docusign Envelope ID: D9FEED7C-6A77-421C-A587-7240FC32045D

a. *Eliminate activities that will pollute the River or require mitigation thereof in accordance with applicable stormwater and environmental regulation;*
b. *Reduce or eliminate the need for a seawall or other hardened shoreline (except within the urban core) by providing alternative erosion control designs or making the control structure environmentally friendly;*
c. *Promote visual access to scenic aspects of the corridor;*
d. *Promote Florida-Friendly LandscapeTM principles, the use of native and non-native adaptive, prohibit noxious invasive species in landscaping;*
e. *Require site plan approval;*
f. *Minimize adverse environmental and/or aesthetic impacts, provide technical standards and guidelines consistent with the unique character of the urban core, lower, middle, and upper River for, or otherwise restrict, certain uses, i.e., parking lots, parking structures, truck service roads, loading docks, warehouses, manufacturing plants, shipbuilding and repair, dredging equipment operators, and heavy uses.*

ENV Policy 3.1.5: Support concentrating future public and commercial marinas in the urban core downstream of Columbus Drive to enhance river traffic control, reduce the effects of boat traffic to the River, and provide nearby access to the bay.

ENV Policy 3.1.8: Continue to recognize the Alan Wright Hillsborough River Blueway and the State designated Hillsborough River Canoe Trail and ensure no action is taken that would impair its use.

Coastal Management Section – Goals, Objectives, and Policies

CM Policy 1.1.5: In the Coastal High Hazard Area, preference shall be given to uses that are water enhanced, water related, water dependent, or which have been shown to support the Port Tampa Bay Master Plan.

CM Policy 1.6.3: Development and redevelopment proposals which are considered to be either water dependent, related or enhanced must ensure that endangered native flora and fauna must be protected, relocated or mitigated.

CM Policy 1.6.7: The following criteria shall serve as the City's marina siting guidelines:

Support Services (Utilities/ Public Facilities)

- *Adequate Uplands/Access: Marinas shall demonstrate that they have sufficient upland area to accommodate all needed utilities and marina support facilities with minimal environmental impacts. Only facilities providing parking areas that minimize stormwater runoff and mitigate pollution shall be permitted.*
- *Adequate Traffic Capacity: Applicants shall demonstrate that the adjacent area and on-site roadways have the capacity to accommodate the projected number of users. […]*

Resource constraints (Environmental Considerations)

- *Water Depth: Preference shall be given to docking facilities in locations having adequate water depths to accommodate the proposed boat use. A minimum water depth of 4-feet mean low water shall be required. Greater depths shall be required for*

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

those facilities designed for or capable of accommodating boats having greater than a 3- foot draft. These depth requirements shall also apply to the area between the proposed facility and any natural or other navigation channel, inlet or deep water, where necessary, marking of navigational channels may be required.

- *Access/Dredging: Preference shall be given to docking facilities which require minimal or no dredging or filling to provide access by canal, channel or road. This restriction applies to widening or deepening any existing canal or channel, but not to regular maintenance dredging and filling to meet depth standards of existing canals or channels. Preference shall be given to marina sites adjacent to naturally maintained channels.*
- *Environmental Restoration: In reviewing applications for new docking facilities, or for renewal of existing leased facilities, an effort shall be made to identify ways to improve, mitigate or restore adverse environmental impacts caused by previous activities. This may include shallowing dredged areas, restoring wetlands, natural shorelines or submerged vegetation or making navigable channels. Such mitigation or restoration could be required as a condition of approval for new, renewed or expanded facilities. [...]*
- *Erosion Prevention: On sites with historically erosion prone shorelines, applicants shall ensure that appropriate shoreline protection measures (as determined by FDEP) will be taken.*

Economic Considerations

- *Proximity to Population/Navigable Water Bodies: Preference shall be given to facilities which are within reasonable traveling distance of a significant population of marina users, as determined by FDEP's Marina Needs Analysis, by roadway and by waterway. Preference shall also be given to facilities which have access to a large navigable water body. [...]*

Community Compatibility Considerations

- *Community Impacts: Facilities must demonstrate no adverse impacts to surrounding communities and neighborhoods.*

CM Policy 1.8.2: Recommend disapproval to appropriate entities for dredging and filling, or other development activities, on submerged lands containing significant seagrass habitat, except in cases of overriding public interest, and seek to restore seagrass coverage.

WHEREAS, Planning Commission staff determined that Port Tampa Bay Standard Work Permit Application No. 23-044 is consistent with the goals, objectives, and policies of the *Tampa Comprehensive Plan.*

NOW, THEREFORE, BE IT RESOLVED, that the Hillsborough County City-County Planning Commission finds Port Tampa Bay Standard Work Permit Application No. 23-044 **CONSISTENT** with the *Tampa Comprehensive Plan.*

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

The above resolution for Port Tampa Bay Standard Work Permit Application No. 23-044 was adopted by the Planning Commission on July 8, 2024.

By motion of Commissioner Fernandez
Seconded by Commissioner Louk, Vice-Chair

Commissioner Joseph, Chair	**Aye**
Commissioner Bowden	**Aye**
Commissioner Buzza	**Aye**
Commissioner Cardenas	**Absent**
Commissioner Cona	**Aye**
Commissioner Fernandez	**Aye**
Commissioner Kress, AICP, Member-at-Large	**Aye**
Commissioner Louk, Vice-Chair	**Aye**
Commissioner Saria	**Absent**
Commissioner Sieben	**Aye**

DocuSigned by:
63DCAB39B571461...
Commissioner Joseph, ***Chairman***

DocuSigned by:
944A2D6E0DB0485...
Melissa Zornitta, FAICP
Executive Director

Persons needing assistance reading or interpreting items in this document, free of charge, are encouraged to contact the ADA Coordinator at (813) 272-5940, or ADACoordinator@plancom.org. Plan Hillsborough (the Planning Commission, the Hillsborough TPO and the Hillsborough River Board) cannot ensure accessibility for items produced by other agencies or organizations.

Se recomienda a las personas que necesiten ayuda para leer o interpretar este documento, sin costo alguno, que se pongan en contacto con Coordinador de ADA at (813) 272-5940, o ADACoordinator@plancom.org. Plan Hillsborough (la Comisión de Planificación, el TPO de Hillsborough y la Junta del Río Hillsborough) no puede asegurar la accesibilidad de los documentos publicados por otras agencias u organizaciones. Si sólo habla español, por favor llame a la línea de ayuda en español al (813) 272-5940 marque el número 1.

RECEIVED
SEP 13 2024
ENVIRONMENTAL DEPT

23-044

EXHIBIT #15 - SWPA 23-044 - PUBLIC HEARING

PORT TAMPA BAY

CERTIFIED MAIL
Return Receipt Requested

PORT TAMPA BAY (PTB)
STANDARD WORK PERMIT APPLICATION NOTICE

To: **1500-Foot Radius Riparian Property Owners and Interested Parties / Agencies**

Date: October 4, 2024

Reference: PTB Standard Work Permit Application No. 23-044

Applicant: RD RWD Tampa, LLC Trustee

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 in review for permitting to perform work in waters under the jurisdiction of this Authority, as summarized above, pursuant to Section 25, Chapter 95-488 Laws of Florida. Enclosed is a certified mail copy of the proposal **REVISED DRAWINGS AND RAI RESPONSES** for your review / information.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments, or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

Please contact me at 813-905-5033 or jjulien@tampaport.com if you have any questions.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor

CC: conservationplanningservices@myfwc.com, FW4FLESREGS@fws.GOV; SiteFile@dos.state.fl.us tmantegna@tampaairport.com; MARK.SRAMEK@NOAA.GOV; sean@tbrpc.org; alana@tbrpc.org; MRACHAL@AUDUBON.ORG; JEFF.LIECHTY@AUDUBON.ORG; eplage@tampabaywatch.org; ajalcoz@tecoenergy.com; skroh@tecoenergy.com; bevgriffiths@verizon.net; lisa.strout@dot.state.fl.us; reebie.simms@dot.state.fl.us; todd.croft@dot.state.fl.us; wwmtampa@uscg.mil; anthony.r.sciullo@uscg.mil; drivera@bda-inc.com. Refer also to Distribution List.

Enclosure(s)

PORT TAMPA BAY

October 4, 2024 **Certified Mail**

Environmental Protection Commission of Hillsborough County
Wetland Management Division
Attn: Michael Gile, Mgr.
3629 Queen Palm Drive
Tampa, FL 33619
(Via Email: gilem@epchc.org)

Reference: **PTB Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal **REVISED DRAWINGS AND RAI RESPONSES** for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please submit any comments, questions, or stipulations, as appropriate, regarding the issuance of a marine construction permit for this project (#23-044), in writing, within thirty (30) days of receipt of this letter to the PTB Environmental Department at 1101 Channelside Dr., Tampa, FL 33602 or via email at bbaity@tampaport.com.

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor

CC: Mark.A.Marousky@usace.army.mil; tampareg@usace.army.mil; SW_ERP@dep.state.fl.us; ERPAgencyCoordination@swfwmd.state.fl.us

Enclosure(s)

1101 Channelside Drive | Tampa, Florida 33602-3612 | P: 813.905.7678 | 800.741.2297 | F: 813.905.5109
www.porttb.com | info@tampaport.com

PORT TAMPA BAY

October 4, 2024 **Certified Mail**

Mr. Shawn College
Hillsborough-City Planning Commission
County Center, 18th Floor
PO Box 1110
Tampa, FL 33601
(Via Email: colleges@plancom.org)

Reference: **Port Tampa Bay Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal **REVISED DRAWINGS AND RAI RESPONSES** for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor

Enclosure(s)

PORT TAMPA BAY

October 4, 2024 **Certified Mail**

City of Tampa Real Estate Dept.
Attn: Michelle VanLoan, Real Estate Director
306 E. Jackson St., 3rd Floor North
Tampa, FL 33602
(Via Email: michelle.vanloan@tampagov.net)

City of Tampa Construction Services Dept.
Attn: JC Hudgison, Chief / Dave Jennings
1400 North Boulevard
Tampa, Florida 33607
(Via Email: JC.hudgison@tampagov.net / dave.jennings@tampagov.net)

Reference: **Port Tampa Bay Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal **REVISED DRAWINGS AND RAI RESPONSES** for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend. If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor - Port Tampa Bay

Cc: joseph.reese@tampagov.net; mark.maziarz@tampagov.net; bertha.mitchell@tampagov.net; alex.awad@tampagov.net; monica.ammann@tampagov.net; Mariela.Gomez@tampagov.net
Enclosures

PORT TAMPA BAY

October 4, 2024

Certified Mail

Hillsborough River Board – TAC
C/O Hillsborough-City Planning Commission
Attn: Mr. Shawn College
County Center, 18th Floor
PO Box 1110
Tampa, FL 33601
(Via Email: colleges@plancom.org)

Reference: **Port Tampa Bay Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received the enclosed marine construction application to perform work in waters under the jurisdiction of this Authority, per Section 25, Chapter 95-488 Laws of Florida. The project construction work is proposed on and adjacent to the Hillsborough River. A copy of the proposal **REVISED DRAWINGS AND RAI RESPONSES** is attached for inclusion in the agenda for the next Hillsborough River Technical Advisory Council.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor

CC: drivera@bda-inc.com

Enclosure(s)

PORT TAMPA BAY

October 4, 2024 **Certified Mail**

University Of Tampa
401 W. Kennedy Blvd.
Tampa, FL 33606-1490

Reference: **Port Tampa Bay Standard Work Permit Application No. 23-044**

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 23-044 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal **REVISED DRAWINGS AND RAI RESPONSES** for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please note that it appears a portion of the project, Riverwalk Underpass, is proposed to be connected to the private property owned by the University of Tampa. Therefore, PTB staff requests formal written authorization documentation from you/University representative.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, questions, any other comments or concerns you may have regarding the permitting of this project, in writing, within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com referencing the application number (23-044).

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend. If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Environmental Supervisor
Port Tampa Bay

CC: drivera@bda-inc.com
Enclosures

Memo

PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602

To: Lisa Payne, PTB Real Estate Dept. (lpayne@tampaport.com)

From: Jackie Julien, PTB Environmental Department

Date: October 4, 2024

Applicant: **RD RWD Tampa, LLC Trustee**

Project: **Riverwalk District Waterfront Project - Construction of +/- 2,684 SF Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge +/- 368 CY of Submerged Material, Construction of Gabion & Rip-Rap Living Shoreline Structure Area Consisting of 383 CY of Fill, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60 / W. Kennedy Blvd. Bridge (Draw Bridge No. 100100), Tampa, FL; Folio #194704-0000 & 194001-0000; STR 24-29S-18E; Hillsborough River; Within City of Tampa**

The Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Environmental Department has received the enclosed marine construction application to perform work in waters under the jurisdiction of this Authority, pursuant to Section 25, Chapter 95-488 Laws of Florida. A copy of the proposal **REVISED DRAWINGS AND RAI RESPONSES** is attached for your review and comments, based on original received PTB Real Estate comments received on June 4, 2024.

Date: **Comments / Stipulations:** _____

_____

Please submit your response comments, in writing, and attach applicable documents (blank Application, copy of Agmt., copy of Site Improvement Application/Permit (SIP), etc.) **within thirty(30) days of receipt of this letter to the PTB Environmental Dept. via email at** bbaity@tampaport.com. Please contact me at 813-905-5033 or jjulien@tampaport.com if you wish to discuss or have any questions regarding this proposal.

Enclosures: (1) Revised Drawings And RAI Responses for PTB SWPA #23-044
Reference: (a) Section II.A.3 of PTB Submerged Lands Management Rules

Copy: PTB File (23-044); ccooley@tampaport.com

EXHIBIT #16 - SWPA 23-044 - PUBLIC HEARING

From: Jones, Stephanie
To: Barbara Baity; Jackelyn Julien
Subject: FWC Comments - Tampa Riverwalk, Hillsborough County (23-044)
Date: Monday, October 21, 2024 4:41:26 PM
Attachments: image001.png

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Project Name: Tampa Riverwalk, Hillsborough County
File Number: 23-044

Florida Fish and Wildlife Conservation Commission (FWC) staff have reviewed the proposed project to dredge 368 CY of material and install an 8-slip dock with a 20' x 6' kayak launch. The dock will be accessed by a 75' ADA aluminum gangway. The dock will be 122' x 8' with two (2) 30' x 5' finger piers and two (2) 30' x 6' finger piers. A 285' living shoreline will be installed consisting of 60' of planting, a 20' gap, 95' of planting, a 50' gap, and 60' of planting. The site of the proposed project is located at 102 S Parker St, Tampa, Hillsborough County.

The proposed project is located in an area where presence of both Gulf sturgeon (*Acipenser oxyrinchus desotoi*) and smalltooth sawfish (*Pristis pectinata*) may occur. Gulf sturgeon is a federally-listed threatened species pursuant to the Endangered Species Act (ESA), and the potential "take" of this species associated with this project may only be authorized by the National Marine Fisheries Service (NMFS) and/or the U.S. Fish and Wildlife Service (USFWS). Smalltooth sawfish is a federally-listed endangered species pursuant to the ESA, and the potential "take" of this species associated with this project may only be authorized by the National Marine Fisheries Service (NMFS).

Additionally, Gulf sturgeon is a state-listed threatened species pursuant to FWC rule 68A-27, F.A.C., and a marine Prohibited Species pursuant to FWC rules 68B-8 and 68B-15, F.A.C. Smalltooth sawfish is a state-listed endangered species pursuant to FWC rule 68A-27, F.A.C., and a marine Prohibited Species pursuant to FWC rules 68B-8 and 68B-44, F.A.C.

The FWC defers to NMFS and USFWS, and requests that Port Tampa Bay take into consideration any project-specific permit conditions, comments, recommendations and Biological Opinions regarding Gulf sturgeon and smalltooth sawfish that NMFS and USFWS may provide (or have provided) for federal consultation or permitting activities associated with this project.

Florida manatee (*Trichechus manatus latirostris*) use of this area is documented by aerial survey, mortality, and satellite telemetry data. It is our recommendation that the following measures, if they are made conditions to the permit, will satisfy the requirements of 379.2431(2) and 373.414(1)(a)2, Florida Statutes:

1. The Standard Manatee Conditions for In-water Work (2011) shall be followed for all in-water activity.
2. The total number of boats, inclusive of all mooring and upland storage, shall be limited to eight (8).

3. To reduce the risk of entrapment and drowning of manatees, manatee exclusion devices (such as grating) shall be installed and maintained over any existing or proposed pipes or culverts greater than 8 inches, but smaller than 8 feet in diameter that are submerged or partially submerged and reasonably accessible to manatees. If horizontal or vertical bars are used, no more than 8-inch gaps on center shall be allowed. Grates shall be in place at the accessible end(s) during all phases of the construction process and as a final design element to restrict manatee access.

4. While performing backfilling between the bulkheads, it is important to ensure that manatees or sea turtles do not become entrapped during sheet pile installation or gain access after the sheet pile has been installed and before filling work has been completed. If a manatee or sea turtle becomes entrapped, the area shall be opened to allow the manatee or turtle to leave of its own volition. It shall not be herded or harassed into leaving the area.

5. To reduce the risk of manatee entrapment landward of the living shoreline, gaps maintained at a minimum of five (5) feet in width shall be placed at every 100 feet along the structure. For structures that do not have gaps due to a shorter length, or if gaps cannot be maintained at a minimum of five (5) in width, the top of the structure shall be maintained at least two and a half (2.5) feet above Mean High Water. A minimum three (3) foot buffer shall be maintained between existing emergent and/or submerged vegetation and the structure.
   a. The living shoreline shall be monitored for wildlife entrapment daily for the first two weeks immediately after installation and quarterly after two weeks. In the event of a storm or high-water event, the structure shall be inspected within 24-48 hours after the event or as soon as can be safely accomplished.
   b. Should a marine turtle or manatee become entrapped in the living shoreline, the entrapment shall be reported immediately to the FWC at 888-404-3922. A written report of the incident shall be submitted to the FWC Imperiled Species Management Section at ImperiledSpecies@MyFWC.com within 72 hours from the time of the report.
6. For all pile-driving activity related to this project:

   a. At least one dedicated observer shall be present during pile driving activities and shall perform no other duties that may interfere with their ability to observe for protected marine species. Observer(s) must have prior on-the-job experience observing manatees during in-water work where the activities were similar in nature to this project. Observer(s) shall have the authority to cease project operations 1) upon sighting a manatee within 50 feet of the pile driving or vessel activity; and 2) if detection of manatees is not possible due to weather or other conditions.

   b. All pile driving activities shall be limited to daylight hours in order to maximize visibility for protected species observers. Monitoring shall occur for 30 minutes prior to, during, and for 30 minutes after pile driving ends.

   c. During pile driving, the project will utilize a ramp-up measure. At the start of pile driving activity, pile driving hammers would initially be operated at low levels, then gradually increase to minimum necessary power required for pile installation.

   d. If the activities appear to harass or injure a protected marine species, then work shall cease immediately and not resume until after consultation with the Florida Fish and Wildlife Conservation Commission (ImperiledSpecies@MyFWC.com or 850-922-4330). Any additional conservation measures deemed necessary by FWC must be implemented to minimize the risks to protected species.

7. The Permittee shall install one (1) permanent manatee educational sign, the "Caution Boaters" sign, at the entrance to the dock, facing land. This sign shall be maintained for the life of the facility and installed no later than 30 days after construction commencement. Signs shall be replaced by the Permittee in accordance with FWC guidance if outdated, damaged, or faded. Information on how to obtain this sign can be found at the FWC's website: http://www.myfwc.com/wildlifehabitats/managed/manatee/education-for-marinas/, and questions regarding this requirement can be sent to ImperiledSpecies@MyFWC.com.

Thank you for the opportunity to review this project. Please contact me at (850) 922-4330 or via email if you have any questions or require additional information.

Sincerely,

Steph Jones
Fisheries and Wildlife Biological Scientist IV
Imperiled Species Management
Florida Fish and Wildlife Conservation Commission (FWC)

Office: (850) 922-4330
Stephanie.Jones@MyFWC.com

Florida Fish and Wildlife Conservation Commission
MyFWC.com

EXHIBIT #17 - SWPA 23-044 - PUBLIC HEARING

Jackelyn Julien

From: Croft, Todd <Todd.Croft@dot.state.fl.us>
Sent: Thursday, December 26, 2024 2:59 PM
To: Jackelyn Julien
Cc: Riendeau, Lisandra; Casey, Robert; Chin, Melissa
Subject: RE: Port Tampa Bay SWP Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Hi Jackelyn,

This site is currently being permitted for drainage and impacts to FDOT roadway.

The pedestrian bridge under the FDOT draw bridge is being reviewed by FDOT ROW for a potential lease.

Please keep me updated on the status of your PTB permit.

Todd Croft
Permits Manager
FDOT Tampa Operations Center
2822 Leslie Road
Tampa, FL 33619
OFFICE: (813) 612-3318
CELL: (813) 326-0506

EXHIBIT #18 - SWPA 23-044 - PUBLIC HEARING

COMMISSION

Gwendolyn "Gwen" W. Myers CHAIR
Harry Cohen VICE-CHAIR
Chris Boles
Donna Cameron Cepeda
Ken Hagan
Christine Miller
Joshua Wostal

DIRECTORS

Janet D. Lorton EXECUTIVE DIRECTOR
Elaine S. DeLeeuw ADMIN DIVISION
Sam Elrabi, P.E. WATER DIVISION
Diana M. Lee, P.E. AIR DIVISION
Michael Lynch WETLANDS DIVISION
Rick Muratti, Esq. LEGAL DEPT
Steffanie L. Wickham WASTE DIVISION

December 31, 2024

Jackie Julien (Sent via Email)
Port Tampa Bay
jjulien@tampaport.com
Post Office Box 2192
Tampa, Florida 33601

SUBJECT: PORT TAMPA BAY (PTB) PERMIT APPLICATION #23-044 / EPC REVIEW # 79303 / CONSTRUCTION OF A +/- 2,684 SF FLOATING PRIVATE MULTI-FAMILY RESIDENTIAL MULTI-SLIP DOCKING FACILITY WITH 8 BOAT SLIPS AND KAYAK LAUNCH, MAINTENANCE DREDGE +/- 368 CY OF SUBMERGED MATERIAL, CONSTRUCTION OF GABION AND RIP-RAP LIVING SHORELINE STRUCTURE AREA CONSISTING OF 383 CY OF FILL, AND CONSTRUCTION OF PILE SUPPORTED RIVERWALK UNDERPASS WALKWAY AT 102 S. PARKER ST & SR-60/W. KNNEDY BLVD. BRIDG E(DRAW BRIDGE NO. 1001000, TAMPA, FL / APPLICATION RECEIVED BY EPC ON MAY 29, 2024 / REVISED PLANS RECEIVED BY EPC ON OCTOBER 4, 2024 / FOLIO #S 194001-0000 AND 194704-0000 / STR – 24-29S-18E

Dear Ms. Julien:

An environmental review has been conducted for the above described project by the staff of the Wetlands Division of the Environmental Protection Commission (EPC) of Hillsborough County. Based on this review and site inspection conducted June 6, 2024, staff has determined that the project to construct a +/- 2,684 sf floating private multi-family residential multi-slip docking facility with 8 boat slips and kayak launch, maintenance dredge +/- 368 cy of submerged material, and construct a gabion and rip-rap living shoreline structure area consisting of 383 cy of fill, and construct a pile supported riverwalk underpass walkway, as proposed, should not constitute or create deleterious impacts to the natural resources of Hillsborough County; therefore, this agency **does not object** to the proposed project subject to the following conditions:

1. All work must be conducted as proposed and in the location indicated by the plans received on October 4, 2024. Any proposed changes or adjustments must be reviewed and authorized by EPC staff prior to their implementation.

2. The geotextile layer shall not include petroleum-based materials, such as asphalt, or materials which create leachate when in contact with water.

3. Clean fill placed within the planting areas shall be limited to the minimum extent necessary to support the vegetative plantings and the slope shall be no steeper than two horizontal to one vertical.

4. Only native, non-nuisance, vegetation may be planted.

5. At a minimum, plants shall be spaced on two (2) foot centers.

6. The material within the gabion structures shall be composed of natural oyster shell cultch (clean and fossilized oyster shell) or other stable, nondegradable materials such as oyster reef, reef balls, boulders, or clean concrete rubble and shall be free of attached sediments. The use of asphalt or other organic materials is prohibited.

7. The gabion cages shall be constructed a material designed for in-water use and shall not be constructed of materials which create leachate when in contact with water.

8. The rip-rap material shall consist entirely of clean concrete rubble or natural boulders one (1) foot to three (3) feet in average diameter. No reinforcing rods or other similar protrusions in concrete rubble shall be exposed and the rip-rap material shall be free of attached sediments. The use of asphalt or other organic materials is prohibited.

9. The rip-rap material shall remain unconsolidated.

10. The slope of the rip-rap revetment, in feet, will not exceed one (1) vertical to two (2) horizontal.

11. The maintenance dredging shall be limited to a depth not to exceed 5 feet below Mean Low Water, as proposed.

12. The spoil material shall be disposed of, with the upland property owner's authorization ,so that none of the spoil material or corresponding water is allowed to return to the waters of the County, as proposed.

13. All efforts must be undertaken to prevent any erosion or turbid water from being discharged offsite into wetlands and/or waters of the County. Turbid discharges that exceed 29 NTU's (Nephelometric Turbidity Units) above background levels are a violation pursuant to Chapter 1-5, the EPC Water Quality Rule. The erosion or discharge of sediments into wetlands is a violation of Chapter 1-11, the EPC Wetland Rule. Silt screens or other methods of erosion/turbidity control may be required. It is the responsibility of the owner/developer to insure the installation of adequate erosion control barriers prior to the commencement of any site work. These erosion control devices must be maintained in good condition throughout the construction process and until all loose soils have stabilized/settled. It is strongly recommended that all erosion

control devices be regularly inspected during construction and modified if conditions warrant.

14. The permittee shall not cause, let, permit, suffer or allow the discharge into the atmosphere of any pollutant from any of their dredging activities that causes or tends to cause or to contribute to an objectionable odor or nuisance in accordance with Chapter 1-3.22, Paragraph 3, Rules of the EPC and Section 16, Chapter 84-446, Laws of Florida. In order to demonstrate compliance with these regulations and minimize odors, the permittee shall use reasonable precautions, which may include, but not be limited to the following:

    a. Pumping the slurry into an aeration tank or basin prior to final discharge (outfall), or
    b. Using an air stripper or wet scrubber to control the captured gases, or
    c. Collecting and venting of the exhaust gases to an incinerator, or
    d. Using caustics or masking agents at the discharge (outfall), or
    e. Limiting the hours of operation of the discharge pumps to daytime when the natural dispersion of odors is better and most citizens are at work, or
    f. Implementing any combination of the above control procedures.

    In addition, the permittee shall keep in service and maintain any air pollution control equipment in good repair and maintain records of the occurrence and duration of any startup, shutdown, or malfunction of the control equipment utilized in accordance with Chapter 1-1.06 and Chapter 1-1.04, Paragraph 1, Rules of the EPC. These records shall be kept on site, and made available to representatives of the EPC for inspection and/or copying for the duration of the project. The odor control measures required by the EPC Air Management Division must be implemented throughout the sediment removal process.

INFORMATIONAL COMMENTS:

- Please be advised that this approval applies only to the development proposal as submitted, and in no way does it provide EPC approval to any other aspect of the review process. In addition, this approval does not imply exemption from obtaining all proper permits from other governmental agencies.

- Please note that this letter only represents the recommendations of the EPC to the Port Tampa Bay (PTB). The PTB will issue the actual permit. In the event these conditions are not incorporated in the PTB permit, the proposed activity may require a separate authorization from the Executive Director of the EPC.

If you have any questions or concerns regarding this application, please call me by phone at (813) 627-2600 ext. 1246 or by e-mail at mitchelli@epchc.org.

Sincerely,

Isabella Mitchell

Isabella Mitchell
Environmental Scientist
Wetlands Division
Environmental Protection Commission
of Hillsborough County

Iam/mpg

ec: Barbara Baity – bbaity@tampaport.com
RD RWD Tampa LLC Trustee – arturo@relatedgroup.com
Matthew Anderson – manderson@bellingham-marine.com

EXHIBIT #19 - SWPA 23-044 - PUBLIC HEARING

Jackelyn Julien

From: Marousky, Mark A CIV USARMY CESAJ (USA) <Mark.A.Marousky@usace.army.mil>
Sent: Friday, January 10, 2025 11:55 AM
To: Jackelyn Julien
Subject: RE: PTB SWP Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100 - REVISED Drawings Project Notices -ACOE Navigation Section Review

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Hi Jackie, on November 27, 2023, the Corps navigation section reviewed the proposed project and its setback of approximately 32 feet from the near edge of the federal channel. The navigation section indicated that the proposed structure meets the set-back guidelines and therefore, the navigation section did not object to issuance of the subject permit. Additionally, engineering reviewed the proposed project and approved the design with a specific condition for the living shoreline. A display sign shall be installed (on a piling or anchored on the bottom) to mark the location of the living shoreline to prevent motorized boats from entering the area and mooring.

Thanks for the qualifying the site conditions, providing photos of the area, and mentioning the stormwater culvert. The Corps has included a condition for manatee grating.

I will most likely be sending my permit out in the next few days. I will try and copy you when it goes out.

Have a great weekend.

Regards,

Mark A. Marousky
Project Manager
U.S. Army Corps of Engineers - Regulatory Division
Tampa Permits Section
701 San Marco Blvd.
Jacksonville, FL 32207
Tel: 813 597-7646
Fax: 904-232-1904
E-mail: Mark.A.Marousky@usace.army.mil



Please note: Currently I am in the office on Tuesday and Wednesday. I telework on Monday, Thursday and Friday.

***NOTICE: All applications must be made via the ENG 4345 form and submitted to tampareg@usace.army.mil.**

EXHIBIT #20 - SWPA 23-044 - PUBLIC HEARING

Jackelyn Julien

From: Anne Bliton <Anne.Bliton@tampagov.net>
Sent: Wednesday, January 29, 2025 1:05 PM
To: Jackelyn Julien
Cc: Michelle VanLoan; Anne Bliton
Subject: RE: Review Comments Requested - Port Tampa Bay SWP Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100
Attachments: FWC Comments-TampaRiverwalk (23-044)-10-21-2024 RevComments (ID 440969).pdf; SWP 23-044-RD RWD Tampa LLC-REVISED Drawings-Project Notice (ID 440382).pdf; MWPA 23-044-RD RWD Tampa LLC-walkway-dredge-dock-102SParkerSt-App (ID 416604).pdf

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Jackie-

Good afternoon. Please note the City's Real Estate Department will require the applicant, as a private riparian owner, to work with us to enter into a Submerged Lands Lease allowing commercial use.

We are working to obtain requirements from other City departments.

Thank you.

Anne Bliton
Real Estate Contract Specialist II, Development and Economic Opportunity
City of Tampa / 306 E. Jackson St. 3rd Floor North / Tampa, Florida 33602
p: 813-274-7524 / e: Anne.Bliton@tampagov.net

EXHIBIT #21 - SWPA 23-044 - PUBLIC HEARING

Jackelyn Julien

From: Michelle VanLoan <Michelle.VanLoan@tampagov.net>
Sent: Wednesday, January 29, 2025 3:30 PM
To: Jackelyn Julien
Cc: Barbara Baity
Subject: RE: Request of City of Tampa Stormwater Response to RAI - Port Tampa Bay SWP Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100
Attachments: Re: Review Comments Requested - Port Tampa Bay SWP Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Please see attached comments from Zoning,
I apologize for not forwarding. Since he did not have negative feedback, and it was 12/23 (lol), I did not forward.

I am checking to see if permitting would like to add a note.

Michelle

Michelle VanLoan
Real Estate Director, Development and Economic Opportunity
City of Tampa / 306 E. Jackson St. 3rd Floor North / Tampa, Florida 33602
p: 813-242-3809 / c: 813-310-4374 / e: Michelle.VanLoan@tampagov.net

Jackelyn Julien

From: Michelle VanLoan <Michelle.VanLoan@tampagov.net>
Sent: Monday, December 23, 2024 8:50 AM
To: Eric Cotton
Subject: Re: Review Comments Requested - Port Tampa Bay SWP Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100

Thank you

From: Eric Cotton <Eric.Cotton@tampagov.net>
Sent: Monday, December 23, 2024 8:36:38 AM
To: Michelle VanLoan <Michelle.VanLoan@tampagov.net>
Subject: RE: Review Comments Requested - Port Tampa Bay SWP Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100

Hi Michelle. The dock/marina is shown on the approved site plan and appears to be consistent with the drawings submitted for the permit.

Eric

Eric Cotton
Development Coordination Manager, Development & Growth Mgmt
City of Tampa / 2555 E. Hanna Ave / Tampa, Florida 33610
p: 813-274-7510 / e: Eric.Cotton@tampagov.net

NOTICE

If you received this email in error, please notify the sender immediately by return email.

Please be aware that, pursuant to Florida Statutes Chapter 119, this or any other written or electronic communication with this office may be subject to public disclosure unless expressly exempt.

Please also be advised that Development and Growth Management are affected personnel under the City of Tampa's Lobbying Ordinance. Prior to engaging in any lobbying, please go to: https://www.tampagov.net/human-resources/info/lobbyist-information

EXHIBIT #22 - SWPA 23-044 - PUBLIC HEARING

Jackelyn Julien

From: Debbie Rivera <drivera@bda-inc.com>
Sent: Wednesday, February 12, 2025 3:51 PM
To: Jackelyn Julien
Cc: Barbara Baity
Subject: RE: Port Tampa Bay SWP Application No. 23-044 - RD RWD Tampa, LLC Trustee - 102 S Parker St /SR 60/ Kennedy Blvd. - Bridge #100100

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Hi Jackie,

I just wanted to respond in email to the FDOT questions is that the proposed owner of the pedestrian bridge (walkway) will be The City of Tampa. Thank you.

Debbie C. Rivera, M.S.
Senior Scientist
Breedlove, Dennis & Associates, Inc.
330 W. Canton Avenue
Winter Park, FL 32789
Office: 407-677-1882
Cell: 407-252-7695
Email: drivera@bda-inc.com

EXHIBIT #23 - SWPA 23-044 - PUBLIC HEARING

Southwest Florida Water Management District
2379 Broad Street, Brooksville, Florida 34604-6899
(352) 796-7211 or 1-800-423-1476 (FL only)
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)
On the Internet at: WaterMatters.org

An Equal Opportunity Employer

Bartow Service Office
170 Century Boulevard
Bartow, Florida 33830-7700
(863) 534-1448 or
1-800-492-7862 (FL only)

Sarasota Service Office
78 Sarasota Center Boulevard
Sarasota, Florida 34240-9770
(941) 377-3722 or
1-800-320-3503 (FL only)

Tampa Service Office
7601 Highway 301 North
Tampa, Florida 33637-6759
(813) 985-7481 or
1-800-836-0797 (FL only)

October 25, 2024

RD RWD Tampa, LLC
Attn: Arturo F. Pena, VP
2850 Tigertail Ave., Ste. 800
Miami, FL 33133

Subject: **Notice of Intended Agency Action - Approval**
ERP Individual Construction Major Modification

Project Name:	RWD Towers Riverwalk District Waterfront Project
App ID/Permit No:	897448 / 43011822.003
County:	Hillsborough
Sec/Twp/Rge:	S24/T29S/R18E

Dear Permittee(s):

The Southwest Florida Water Management District (District) has completed its review of the application for Environmental Resource Permit modification. Based upon a review of the information you have submitted, the District hereby gives notice of its intended approval of the application.

The File of Record associated with this application can be viewed at http://www18.swfwmd.state.fl.us/erp/erp/search/ERPSearch.aspx and is also available for inspection Monday through Friday, except for District holidays, from 8:00 a.m. through 5:00 p.m. at the District's Tampa Service Office, 7601 U.S. Highway 301 North, Tampa, Florida 33637.

If you have any questions or concerns regarding the application or any other information, please contact the Environmental Resource Permit Bureau in the Tampa Service Office.

Sincerely,

David Kramer, P.E.
Bureau Chief
Environmental Resource Permit Bureau
Regulation Division

cc: Florida Fish and Wildlife Conservation Commission
Debra Rivera, Breedlove Dennis & Assoc Inc

Southwest Florida Water Management District
2379 Broad Street, Brooksville, Florida 34604-6899
(352) 796-7211 or 1-800-423-1476 (FL only)
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)
On the Internet at: WaterMatters.org

An Equal Opportunity Employer

Bartow Service Office
170 Century Boulevard
Bartow, Florida 33830-7700
(863) 534-1448 or
1-800-492-7862 (FL only)

Sarasota Service Office
78 Sarasota Center Boulevard
Sarasota, Florida 34240-9770
(941) 377-3722 or
1-800-320-3503 (FL only)

Tampa Service Office
7601 Highway 301 North
Tampa, Florida 33637-6759
(813) 985-7481 or
1-800-836-0797 (FL only)

October 25, 2024

RD RWD Tampa, LLC
Attn: Arturo F. Pena, VP
2850 Tigertail Ave., Ste. 800
Miami, FL 33133

Subject: **Notice of Agency Action - Approval**
ERP Individual Construction Major Modification

Project Name:	RWD Towers Riverwalk District Waterfront Project
App ID/Permit No:	897448 / 43011822.003
County:	Hillsborough
Sec/Twp/Rge:	S24/T29S/R18E

Dear Permittee(s):

The Southwest Florida Water Management District (District) is in receipt of your application for the Environmental Resource Permit modification. Based upon a review of the information you submitted, the application is approved.

Please refer to the attached Notice of Rights to determine any legal rights you may have concerning the District's agency action on the permit application described in this letter.

If approved construction plans are part of the permit, construction must be in accordance with these plans. These drawings are available for viewing or downloading through the District's Application and Permit Search Tools located at www.WaterMatters.org/permits.

The District's action in this matter only becomes closed to future legal challenges from members of the public if such persons have been properly notified of the District's action and no person objects to the District's action within the prescribed period of time following the notification. The District does not publish notices of agency action. If you wish to limit the time within which a person who does not receive actual written notice from the District may request an administrative hearing regarding this action, you are strongly encouraged to publish, at your own expense, a notice of agency action in the legal advertisement section of a newspaper of general circulation in the county or counties where the activity will occur. Publishing notice of agency action will close the window for filing a petition for hearing. Legal requirements and instructions for publishing notices of agency action, as well as a noticing form that can be used, are available from the District's website at www.WaterMatters.org/permits/noticing. If you publish notice of agency action, a copy of the affidavit of publication provided by the newspaper should be sent to the District's Tampa Service Office for retention in this permit's File of Record.

If you have any questions or concerns regarding your permit or any other information, please contact the Environmental Resource Permit Bureau in the Tampa Service Office.

Sincerely,

David Kramer, P.E.
Bureau Chief
Environmental Resource Permit Bureau
Regulation Division

Enclosures: Approved Permit w/Conditions Attached
As-Built Certification and Request for Conversion to Operation Phase
Notice of Authorization to Commence Construction
Notice of Rights

cc: Florida Fish and Wildlife Conservation Commission
Debra Rivera, Breedlove Dennis & Assoc Inc

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
ENVIRONMENTAL RESOURCE

INDIVIDUAL CONSTRUCTION MAJOR MODIFICATION
PERMIT NO. 43011822.003

EXPIRATION DATE: October 25, 2029 **PERMIT ISSUE DATE:** October 25, 2024

This permit is issued under the provisions of Chapter 373, Florida Statutes, (F.S.), and the Rules contained in Chapter 62-330, Florida Administrative Code, (F.A.C.). The permit authorizes the Permittee to proceed with the construction of a surface water management system in accordance with the information outlined herein and shown by the application, approved drawings, plans, specifications, and other documents, attached hereto and kept on file at the Southwest Florida Water Management District (District). Unless otherwise stated by permit specific condition, permit issuance constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341. All construction, operation and maintenance of the surface water management system authorized by this permit shall occur in compliance with Florida Statutes and Administrative Code and the conditions of this permit.

PROJECT NAME:	RWD Towers Riverwalk District Waterfront Project
GRANTED TO:	RD RWD Tampa, LLC Attn: Arturo F. Pena, VP 2850 Tigertail Ave., Ste. 800 Miami, FL 33133
OTHER PERMITTEES:	N/A

ABSTRACT: This modification to Permit No. 43011822.001 authorizes the maintenance dredging of an approximately 7,841-square-foot area to a depth of 5 feet below mean low water, construction of a temporary dredge material containment area, construction of an 8-slip docking facility, construction of a piling-supported riverwalk underpass, and construction of a living shoreline consisting of gabion structures, riprap and fill material for plantings. Dredged material will be taken to an approved landfill following onsite dewatering activities. The use of flocculants for dewatering of the dredged material is not authorized by this permit modification. The project is located on the west side of the Hillsborough River, under and south of the West Kennedy Bridge.

OP. & MAIN. ENTITY:	RD RWD Tampa, LLC
OTHER OP. & MAIN. ENTITY:	N/A
COUNTY:	Hillsborough
SEC/TWP/RGE:	S24/T29S/R18E
TOTAL ACRES OWNED OR UNDER CONTROL:	4.46
PROJECT SIZE:	0.53 Acres
LAND USE:	Commercial
DATE APPLICATION FILED:	June 26, 2024
AMENDED DATE:	N/A

I. Water Quantity/Quality

A mixing zone is required.
A variance is not required.

II. 100-Year Floodplain

Encroachment (Acre-Feet of fill)	Compensation (Acre-Feet of excavation)	Compensation Type	Encroachment Result* (feet)
0.00	0.00	No Encroachment	N/A

*Depth of change in flood stage (level) over existing receiving water stage resulting from floodplain encroachment caused by a project that claims Minimal Impact type of compensation.

III. Environmental Considerations

Wetland/Other Surface Water Information

Wetland/Other Surface Water Name	Total Acres	Not Impacted Acres	Permanent Impacts		Temporary Impacts	
			Acres	Functional Loss*	Acres	Functional Loss*
Hillsborough River	0.53	0.00	0.53	0.00	0.00	0.00
Total:	**0.53**	**0.00**	**0.53**	**0.00**	**0.00**	**0.00**

*** For impacts that do not require mitigation, their functional loss is not included.**

Wetland/Other Surface Water Comments:
Wetlands are not located within the project area for this ERP modification; however, there are 0.53 acre of surface waters (FLUCCS 510) located within the project area. Permanent dredging and filling impacts to 0.53 acre of the project surface waters will occur for construction of the project.

Mitigation Information

Mitigation Comments:
Wetland mitigation will not be required for permanent dredging and filling impacts to 0.53 acre of surface waters pursuant to Subsection 10.2.2 of the ERP Applicant's Handbook Vol. I. Under this Section, wetland mitigation is not required for impacts that have been determined to be de minimis to fish, wildlife and listed species.

Specific Conditions

1. If the ownership of the project area covered by the subject permit is divided, with someone other than the Permittee becoming the owner of part of the project area, this permit may be terminated, unless the terms of the permit are modified by the District or the permit is transferred pursuant to Rule 40D-1.6105, F.A.C. In such situations, each land owner shall obtain a permit (which may be a modification of this permit) for the land owned by that person. This condition shall not apply to the division and sale of lots or units in residential subdivisions or condominiums.

2. The Permittee shall retain the design professional registered or licensed in Florida, to conduct on-site observations of construction and assist with the as-built certification requirements of this project. The Permittee shall inform the District in writing of the name, address and phone number of the design professional so employed. This information shall be submitted prior to construction.

3. The Permittee shall comply with the following conditions intended to protect manatees from direct project effects:

   a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The Permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

   b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a 4-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

   c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.

   d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.

   e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida and to FWC at ImperiledSpecies@myFWC.com.

   f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs shall be removed by the Permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 1/2 by 11 " explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

4. This Permit Modification No. 43011822.003 amends the previously issued Permit No. 43011822.001 and adds conditions. All other original permit conditions remain in effect.

5. If limestone bedrock is encountered during construction of the stormwater management system, the District must be notified and construction in the affected area shall cease.

6. The Permittee shall notify the District of any sinkhole development in the stormwater management system within 48 hours of discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the District within 30 days of discovery.

7. Water quality monitoring for turbidity shall be conducted within Hillsborough River, a Class III Florida waterbody, in accordance with the Water Quality Monitoring Plan on Sheet G-002 of the permitted plans.

8. A mixing zone for turbidity is granted for the area shown on Sheet C-101 of the permitted plans.

9. The mixing zone is granted exclusively for the duration of the dredging activities, not to exceed 30 days.

10. The permittee shall comply with the following Quality Assurance/ Quality Control (QA/QC) requirements:

    a. The instrument shall be calibrated each morning and each time the instrument is turned on, and recalibrated every four hours thereafter.

    b. Calibrations shall be performed against a blank, and at least one formazin or gel-type standard. The standard value shall be in the same range as the sample readings.

    c. Calibration procedures shall be recorded in a permanent QA/QC logbook, and copies shall be submitted with the data.

11. Turbidity levels outside the mixing zone described in specific condition shall not exceed 29 NTU's above background. If monitoring reveals turbidity levels outside of the mixing zone are greater than or equal to 29 NTU's above background, the permittee shall take the following measures:

    a. Immediately cease all work contributing to the water quality violation.

    b. Stabilize exposed soils contributing to the violation. Modify work procedures responsible for the violation, install additional turbidity containment devices, repair non-functioning turbidity containment devices; and

    c. Increase monitoring frequency to every two hours until turbidity levels no longer exceed 29 NTU's above background. Interim samples collected following the violation(s) shall be collected in the same manner and locations as the routine monitoring. Dredging and/or construction activities may not resume until the turbidity levels meet the above water quality standards.

    d. Immediately report turbidity violations to the District. The report shall include the description of the corrective actions being taken or proposed to be taken. The report shall be made to the Department as soon as normal business hours resume if violation(s) are noted after normal business hours, on holidays, or on weekends. A copy of the monitoring data sheets, which indicate violation(s), shall be forwarded immediately to the Department.

    Failure to report violation(s) or to follow corrective procedures before resuming work shall constitute grounds for permit revocation and may subject the permittee to formal enforcement action.

12. Issuance of this authorization also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

13. This permit does not authorize the Permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or applicant associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to FWCConservationPlanningServices@MyFWC.com.

14. There shall be a minimum 12-inch clearance between the deepest draft of the vessel (with the motor in the down position) and the top of submerged resources for all vessels associated with the use of the docking facility as measured at mean low water.

15. Fish cleaning stations shall not be allowed on structures over the water unless sufficient measures are in place (i.e., signage, sink screens, waste receptacles, etc.) to ensure that overboard discharges of trash and/or animal

waste do not occur at the dock.

16. Boat maintenance or repair activities that require the removal of a vessel from the water, or removal of major portions of the vessel, including the engine, for purposes of routine repair or maintenance on site are prohibited over water at the facility, except where such activities are necessitated by emergency conditions which have resulted in or can result in the sinking of a vessel. Specifically prohibited shall be hull scraping, stripping, sanding, painting, recoating, and other maintenance or repair activities that may result in degradation of water quality from discharges or release of potential contaminants into waters of the state.

17. The slips shall not be occupied by liveaboards. A liveaboard is defined as a vessel docked at a facility and inhabited by a person or persons for any five (5) consecutive days or a total of ten (10) days within any thirty (30) day period.

18. Fueling facilities shall not be provided at the marina.

19. Dredged material shall be removed from the site and taken to a lined landfill.

20. The use of flocculants is prohibited.

21. The total number of boats, inclusive of all mooring and upland storage, shall be limited to eight (8).

22. To reduce the risk of entrapment and drowning of manatees, manatee exclusion devices (such as grating) shall be installed and maintained over any existing or proposed pipes or culverts greater than 8 inches, but smaller than 8 feet in diameter that are submerged or partially submerged and reasonably accessible to manatees. If horizontal or vertical bars are used, no more than 8-inch gaps on center shall be allowed. Grates shall be in place at the accessible end(s) during all phases of the construction process and as a final design element to restrict manatee access.

23. While performing backfilling between the bulkheads, it is important to ensure that manatees or sea turtles do not become entrapped during sheet pile installation or gain access after the sheet pile has been installed and before filling work has been completed. If a manatee or sea turtle becomes entrapped, the area shall be opened to allow the manatee or turtle to leave of its own volition. It shall not be herded or harassed into leaving the area.

24. To reduce the risk of manatee entrapment landward of the living shoreline, gaps maintained at a minimum of five (5) feet in width shall be placed at every 100 feet along the structure. For structures that do not have gaps due to a shorter length, or if gaps cannot be maintained at a minimum of five (5) in width, the top of the structure shall be maintained at least two and a half (2.5) feet above Mean High Water. A minimum three (3) foot buffer shall be maintained between existing emergent and/or submerged vegetation and the structure.

    a. The living shoreline shall be monitored for wildlife entrapment daily for the first two weeks immediately after installation and quarterly after two weeks. In the event of a storm or high-water event, the structure shall be inspected within 24-48 hours after the event or as soon as can be safely accomplished.

    b. Should a marine turtle or manatee become entrapped in the living shoreline, the entrapment shall be reported immediately to the FWC at 888-404-3922. A written report of the incident shall be submitted to the FWC Imperiled Species Management Section at ImperiledSpecies@MyFWC.com within 72 hours from the time of the report.

25. For all pile-driving activity related to this project:

    a. At least one dedicated observer shall be present during pile driving activities and shall perform no other duties that may interfere with their ability to observe for protected marine species. Observer(s) must have prior on-the-job experience observing manatees during in-water work where the activities were similar in nature to this project. Observer(s) shall have the authority to cease project operations 1) upon sighting a manatee within 50 feet of the pile driving or vessel activity; and 2) if detection of manatees is not possible due to weather or other conditions.

    b. All pile driving activities shall be limited to daylight hours in order to maximize visibility for protected species observers. Monitoring shall occur for 30 minutes prior to, during, and for 30 minutes after pile driving ends.

    c. During pile driving, the project will utilize a ramp-up measure. At the start of pile driving activity, pile driving

hammers would initially be operated at low levels, then gradually increase to minimum necessary power required for pile installation.

d. If the activities appear to harass or injure a protected marine species, then work shall cease immediately and not resume until after consultation with the Florida Fish and Wildlife Conservation Commission (ImperiledSpecies@MyFWC.com or 850-922-4330). Any additional conservation measures deemed necessary by FWC must be implemented to minimize the risks to protected species.

26. The Permittee shall install one (1) permanent manatee educational sign, the "Caution Boaters" sign, at the entrance to the dock, facing land. This sign shall be maintained for the life of the facility and installed no later than 30 days after construction commencement. Signs shall be replaced by the Permittee in accordance with FWC guidance if outdated, damaged, or faded. Information on how to obtain this sign can be found at the FWC's website: http://www.myfwc.com/wildlifehabitats/managed/manatee/education-for-marinas/, and questions regarding this requirement can be sent to ImperiledSpecies@MyFWC.com.

GENERAL CONDITIONS

1. The general conditions attached hereto as Exhibit "A" are hereby incorporated into this permit by reference and the Permittee shall comply with them.

David Kramer, P.E.

Authorized Signature

EXHIBIT A

GENERAL CONDITIONS:

1 The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate, project-specific conditions.

a. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C., or the permit may be revoked and the permittee may be subject to enforcement action.

b. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

c. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, which are both incorporated by reference in subparagraph 62-330.050(8)(b)5, F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

d. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice,"[effective date], incorporated by reference herein (<http://www.flrules.org/Gateway/reference.asp?No=Ref-02505>), indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5),F.A.C. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

e. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.

f. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:

1. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex - "Construction Completion and Inspection Certification for Activities Associated with a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or

2. For all other activities - "As-Built Certification and Request for Conversion to Operation Phase" [Form 62-330.310(1)].

3. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

g. If the final operation and maintenance entity is a third party:

1. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.4 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.

2. Within 30 days of submittal of the as- built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation and Maintenance Entity" [Form 62-330.310 (2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

h. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

i. This permit does not:

1. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;

2. Convey to the permittee or create in the permittee any interest in real property;

3. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or

4. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

j. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

k. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

l. The permittee shall notify the Agency in writing:

1. Immediately if any previously submitted information is discovered to be inaccurate; and

2. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

m. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

n. If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving

subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification shall be provided in accordance with Section 872.05, F.S. (2012).

o. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

p. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

q. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

r. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

2. In addition to those general conditions in subsection (1) above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in Rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

SOUTHWEST FLORIDA
WATER MANAGEMENT DISTRICT

NOTICE OF
AUTHORIZATION
TO COMMENCE CONSTRUCTION

RWD Towers Riverwalk District Waterfront Project
PROJECT NAME

Commercial
PROJECT TYPE

Hillsborough
COUNTY

S24/T29S/R18E
SEC(S)/TWP(S)/RGE(S)

RD RWD Tampa, LLC
PERMITTEE See permit for additional permittees

APPLICATION ID/PERMIT NO: 897448 / 43011822.003
DATE ISSUED: October 25, 2024

David Kramer, P.E.
Issuing Authority

THIS NOTICE SHOULD BE CONSPICUOUSLY DISPLAYED AT THE SITE OF THE WORK

Notice of Rights

ADMINISTRATIVE HEARING

1. You or any person whose substantial interests are or may be affected by the District's intended or proposed action may request an administrative hearing on that action by filing a written petition in accordance with Sections 120.569 and 120.57, Florida Statutes (F.S.), Uniform Rules of Procedure Chapter 28-106, Florida Administrative Code (F.A.C.) and District Rule 40D-1.1010, F.A.C. Unless otherwise provided by law, a petition for administrative hearing must be filed with (received by) the District within 21 days of receipt of written notice of agency action. "Written notice" means either actual written notice, or newspaper publication of notice, that the District has taken or intends to take agency action. "Receipt of written notice" is deemed to be the fifth day after the date on which actual notice is deposited in the United States mail, if notice is mailed to you, or the date that actual notice is issued, if sent to you by electronic mail or delivered to you, or the date that notice is published in a newspaper, for those persons to whom the District does not provide actual notice.

2. Pursuant to Subsection 373.427(2)(c), F.S., for notices of intended or proposed agency action on a consolidated application for an environmental resource permit and use of state-owned submerged lands concurrently reviewed by the District, a petition for administrative hearing must be filed with (received by) the District within 14 days of receipt of written notice.

3. Pursuant to Rule 62-532.430, F.A.C., for notices of intent to deny a well construction permit, a petition for administrative hearing must be filed with (received by) the District within 30 days of receipt of written notice of intent to deny.

4. Any person who receives written notice of an agency decision and who fails to file a written request for a hearing within 21 days of receipt or other period as required by law waives the right to request a hearing on such matters.

5. Mediation pursuant to Section 120.573, F.S., to settle an administrative dispute regarding District intended or proposed action is not available prior to the filing of a petition for hearing.

6. A request or petition for administrative hearing must comply with the requirements set forth in Chapter 28-106, F.A.C. A request or petition for a hearing must: (1) explain how the substantial interests of each person requesting the hearing will be affected by the District's intended action or proposed action, (2) state all material facts disputed by the person requesting the hearing or state that there are no material facts in dispute, and (3) otherwise comply with Rules 28-106.201 and 28-106.301, F.A.C. Chapter 28-106, F.A.C. can be viewed at www.flrules.org or at the District's website at www.WaterMatters.org/permits/rules.

7. A petition for administrative hearing is deemed filed upon receipt of the complete petition by the District Agency Clerk at the District's Tampa Service Office during normal business hours, which are 8:00 a.m. to 5:00 p.m., Monday through Friday, excluding District holidays. Filings with the District Agency Clerk may be made by mail, hand-delivery or facsimile transfer (fax). The District does not accept petitions for administrative hearing by electronic mail. Mailed filings must be addressed to, and hand-delivered filings must be delivered to, the Agency Clerk, Southwest Florida Water Management District, 7601 Highway 301 North,Tampa,FL 33637-6759. Faxed filings must be transmitted to the District Agency Clerk at (813) 367-9788. Any petition not received during normal business hours shall be filed as of 8:00 a.m. on the next business day. The District's acceptance of faxed petitions for filing is subject to certain conditions set forth in the District's Statement of Agency Organization and Operation, available for viewing at www.WaterMatters.org/about.

JUDICIAL REVIEW

1. Pursuant to Sections 120.60(3) and 120.68, F.S., a party who is adversely affected by District action may seek judicial review of the District's action. Judicial review shall be sought in the Fifth District Court of Appeal or in the appellate district where a party resides or as otherwise provided by law.

2. All proceedings shall be instituted by filing an original notice of appeal with the District Agency Clerk within 30 days after the rendition of the order being appealed, and a copy of the notice of appeal, accompanied by any filing fees prescribed by law, with the clerk of the court, in accordance with Rules 9.110 and 9.190 of the Florida Rules of Appellate Procedure (Fla. R. App. P.). Pursuant to Fla. R. App. P. 9.020(h), an order is rendered when a signed written order is filed with the clerk of the lower tribunal.

EXHIBIT #24 - SWPA 23-044 - PUBLIC HEARING

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA 32207

January 14, 2025

Regulatory Division
West Permits Branch
Tampa Permit Section
SAJ-2022-02585 (SP-MAM)

Mr. Arturo Pena
Senior Vice President, Development
RD RWD Tampa LLC Trustee
2850 Tigertail Avenue, Suite 800
Miami, Florida 33133
Sent via email: arturo@relatedgroup.com

Dear Mr. Pena:

The U.S. Army Corps of Engineers (Corps) has completed the review and evaluation of your Department of the Army permit application, number SAJ-2022-02585. Our regulations require you have an opportunity to review the terms and conditions prior to final signature by the Department of the Army. Enclosed is an unsigned Department of the Army permit instrument (permit).

Please read carefully the Special Conditions beginning on page 2 of the permit. These were developed to apply specifically to your project. Water Quality Certification was required prior to issuance of a permit. In accordance with General Condition 5 of the permit, the Water Quality Certification has been attached to the Department of the Army permit.

This letter contains a proffered permit for your proposed project. If you object to this decision, you may request an administrative appeal under Corps' regulations at 33 CFR Part 331. Enclosed you will find a Notification of Appeal Process (NAP) fact sheet and Request for Appeal (RFA) form. If you request to appeal this decision, you must follow the directions provided in Section 1, Part B of the attached RFA form and submit a completed RFA form to the South Atlantic Division Office at the following address:

U.S. Army Corps of Engineers
South Atlantic Division
Attn: Swade Hammond
60 Forsyth Street, SW
Atlanta, Georgia 30303-8801

Mr. Hammond can be reached by telephone number at 912-710-1798 or by email at Swade.D.Hammond@usace.army.mil.

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division office within 60 days of the date of the RFA. Should you decide to submit an RFA form, it must be received at the above address by **March 15, 2025.**

It is not necessary to submit an RFA form to the Division office if you do not object to the decision in this letter. In this case, the permit must be signed by the applicant in the space provided on the signature page of the permit. In the case of corporations, acceptance must be by an officer of that corporation authorized to sign on behalf of the corporation. The party responsible for assuring the work is done in accordance with the permit terms and conditions must sign the permit. Please type or print the name and title of the person signing below the signature and the date signed.

In order to accept the proffered permit and receive a valid Department of the Army permit, you must sign the permit and submit payment of the permit. The District Engineer or his representative will then sign the permit. The Corps will add the permit expiration date to the permit, the permit issuance date on the *Notice of Department of the Army Permit* form and return the valid permit to you. It is important to note that the permit is not valid until the District Engineer or his representative signs it. Please follow the steps below to accept the permit and pay the permit fee:

a. Sign the signature page of the proffered permit (page 13).

b. Return the entire permit, including all attachments, to the address listed in the last paragraph of this letter or send via email to the Project Manager listed in the last paragraph of this letter. If the file is greater than 20 MB, upload via DOD SAFE (https://safe.apps.mil/).

c. Pay the permit fee of $10 one of two ways: (1) Mail a check or money order to the address listed in the last paragraph of this letter, made payable to the Finance and Accounting Officer, Corps of Engineers, Jacksonville District, or (2) Pay online at pay.gov/public/form/start/996412796 (or go to pay.gov and enter into the search box "DEPARTMENT OF THE ARMY PERMIT FEES" to navigate to the payment input form). After paying online, **submit a receipt** either by mail to the

address listed in the last paragraph of this letter, or via email to the Project Manager listed in the last paragraph of this letter.

Thank you for your cooperation with our permit program. The Corps' Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at https://regulatory.ops.usace.army.mil/customer-service-survey/. Please be aware this Internet address is case sensitive, and you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Should you have any questions, please contact Mark A. Marousky in writing at the Tampa Permits Section at 701 San Marco Boulevard Jacksonville, Florida 32207, by email at Mark.A.Marousky@usace.army.mil, or by telephone at 813-597-7646.

Sincerely,

PERRYMAN.JASON.D.1590306548

Digitally signed by PERRYMAN.JASON.D.1590306548
Date: 2025.01.14 09:10:12 -05'00'

for: Shawn H. Zinszer
Chief, Regulatory Division

Enclosures (2)

1. Notification of Administrative Appeal: 2 pages.
2. Initial proffered permit: 73 pages.

cc: Debbie C. Rivera, Breedlove, Dennis & Associates, Inc., drivera@bda-inc.com

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

Applicant: **Arturo Pena**	File Number: **SAJ-2022-02585**	Date: **January 14, 2025**
Attached is:		See Section below
X	INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A
	PROFFERED PERMIT (Standard Permit or Letter of permission)	B
	PERMIT DENIAL	C
	APPROVED JURISDICTIONAL DETERMINATION	D
	PRELIMINARY JURISDICTIONAL DETERMINATION	E

SECTION I - The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at http://www.usace.army.mil/CECW/Pages/reg_materials.aspx or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: You may accept or object to the permit.

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

- OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Your objections must be received by the district engineer within 60 days of the date of this notice, or you will forfeit your right to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

B: PROFFERED PERMIT: You may accept or appeal the permit

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

- APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the approved JD or provide new information.

- ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal the approved JD.

- APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also you may provide new information for further consideration by the Corps to reevaluate the JD.

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT

REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)

ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision you may contact:	If you have questions regarding the appeal process you may contact Mr. Swade Hammond
Project Manager as noted in letter	USACE – South Atlantic Division 60 Forsyth Street SW Atlanta, Georgia 30303-8801 (912) 710-1798 or Swade.D.Hammond@usace.army.mil

RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day notice of any site investigation, and will have the opportunity to participate in all site investigations.

_____ Signature of appellant or agent.	Date:	Telephone number:

DEPARTMENT OF THE ARMY PERMIT

Permittee: Mr. Arturo Pena
Senior Vice President, Development
RD RWD Tampa LLC Trustee
2850 Tigertail Avenue, Suite 800
Miami, Florida 33133

Permit No: SAJ-2022-02585

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the U.S. Army Corps of Engineers (Corps) having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: The project will result in the construction of a multifamily residential and commercial floating docking facility and provide a pedestrian connection underpass boardwalk under the West Kennedy Boulevard bridge from the proposed Riverwalk docking facility to the University of Tampa. The development will include a new 355.5-foot-long cantilevered steel sheet pile bulkhead, incorporate a 2,684 square foot, 8-slip floating dock, with a 0.14-acre living shoreline, and add a 6,460 square foot pedestrian boardwalk that extends over water and beneath the West Kennedy Bridge. A 355.5-foot-long cantilevered steel sheet pile bulkhead will be installed no more than 18 inches from the face of the existing seawall. After the new steel sheet piles have been installed, 57 stone or similar material will be placed between the existing wall and the new wall from the mudline to the bottom of the new concrete cap. In order to avoid impacts to the Kennedy Boulevard bridge, the portion of the wall closest to the bridge will be cast-in-place concrete. The existing seawall that is located behind the two existing mangroves along the northwest side of shoreline will be removed and a new seawall will be constructed in the same location. The new seawall will include 69 cubic yards if backfill being placed within a 290 square foot area of waters of the United States.

The 2,684 square foot floating dock will include a total of eight slips with four finger piers. Six slips will accommodate vessels up to 30-foot in length and the remaining two slips will accommodate vessels up to 40-foot in length. The dock includes a 245 square foot aluminum framed, fixed gangway access platform, a 6-foot by 75 foot-long ADA-compliant articulating aluminum gangway (486-Sq Ft), a 6-foot by 20-foot low freeboard

floating dock for kayak and paddleboard use, and a 122-foot-long pile-supported aluminum framed floating dock with four 30-foot finger piers (1,953 Sq Ft). Work will include the installation of sixteen (16) 12.75 diameter steel pilings via vibratory methods. To facilitate the installation of the new dock, and the mooring of vessels in this area, work will include the removal of approximately 368 cubic yards of dredge material via mechanical dredging methods within a 0.18-acre area, to a depth of -6.2' North American Vertical Datum of 1988 (NAVD 88). Dredged material will be placed within an upland containment area.

The pedestrian boardwalk consists of the installation of an approximately 370 foot long, 17 foot wide, 6,460 square foot underpass pedestrian boardwalk with two transition platforms. The project will use five existing concrete, underwater drilled shaft foundations located beneath the Kennedy bridge. To facilitate the installation of the remaining portions of boardwalk twenty-eight (28), 12.75-inch steel pilings will be installed via vibratory hammer within unvegetated areas of the Hillsborough River.

The living shoreline will consist of three segments ranging in width from approximately 19 feet to a maximum of 39 feet with two gaps in between and parallel to the shoreline starting just south of the Kennedy bridge and continuing south along the waterfront ending at the fixed gangway platform of the proposed docking facility. The living shoreline will be constructed waterward of an existing naturally formed spoil area that contains a well-established black mangrove tree (*Avicennia germinans*), and a mature white mangrove tree (*Laguncularia racemosa*), that will be preserved in place and incorporated into the living shoreline design. The installation of the living shoreline occurs along the northside of the project within a 0.14-acre area of unvegetated shallow water (-1.0 to 1.14' NAVD 88) area that is located just south of the West Kennedy bridge. To allow for the construction of the living shoreline, work will include the installation of 35 cubic yards of fill above the mean high-water line and 383 cubic yards of material below the mean high-water line.

The living shoreline will include intertidal plantings of native saltmarsh plant species at various elevations. Higher elevation plantings will include needle rush (*Juncus roemerianus*) and lower elevations will feature saltmarsh cordgrass (*Spartina alterniflora*). The design of the living shoreline includes a geotextile permeable bottom layer to help contain the soil above the mudline to allow for better survivorship of the planted needle rush and saltmarsh cordgrass and one or two, 3-foot by 3-foot permeable, monolithic gravity mass gabion structures depending on the location along the shoreline to provide a permanent wave attenuation structure, and to protect the planting areas. A rock revetment will also be installed along the most waterward.

The work described above is to be completed in accordance with the.23 pages of drawings (Attachment 1) affixed at the end of this permit instrument.

Project Location: The project would affect waters of the United States associated with the Hillsborough River. The project is located at 102 South Parker Street in Section 24, Township 29 South, Range 18 East, Tampa, Hillsborough County, Florida 33606 at latitude 27.946207 / longitude -82.461136.

Directions to site: Take I-75 to Tampa Florida. At the intersection of I4 take I-4 west to East Brorein Street in Tampa. Take exit 7 from FL-618 Toll / Selmon Expressway, follow East Brorein Street and make a right on South Parker Street. The project site will be the third property on the right.

Approximate Central Coordinates: Latitude: 27.946207
Longitude: -82.461136

Permit Conditions

General Conditions:

1. The time limit for completing the work authorized ends on _____. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions (Attachment 2).

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. **Reporting Address:** The Permittee shall submit all reports, notifications, documentation, and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:

a. For electronic mail (preferred): SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).

b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

The Permittee shall reference this permit number, SAJ-2022-02585 (SP-MAM), on all submittals.

2. **Commencement Notification:** Within 10 days from the date of initiating the work authorized by this permit, the Permittee shall submit a completed "Commencement Notification" form (Enclosed).

3. **As-Built Certification with X-Y Coordinates:** Within 60 days of completion of the authorized work or at the expiration of the construction window of this permit, whichever occurs first, the Permittee shall submit as-built drawings of the authorized work and complete the enclosed "As-Built Certification by Professional Engineer or Surveyor" form, (Enclosed) to the Corps. The drawings shall be signed and sealed by a registered professional engineer or a professional land surveyor confirming the actual location of all authorized work/structures with respect to the Federal channel and/or within the Federal easement and include the following:

a. A plan view drawing of the location of the authorized work footprint (as shown on the permit drawings) with an overlay of the work as constructed in the same scale as the attached permit drawings (8½-inch by 11-inch). The drawings shall include the X & Y State Plane coordination points of the most waterward point of the structure. The drawings shall include the dimensions of the structure, location of mean high water line (MHWL), depth of water (at mean low water) at the waterward end of the structure, and the distance from the waterward end of the structure to the near design edge of the Federal channel.

b. List of any deviations between the work authorized by this permit and the work as constructed. In the event the completed work deviates, in any manner, from the authorized work, describe on the As-Built Certification Form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note the depiction and/or description of any deviations on the drawings and/or As-Built Certification Form does not constitute approval of any deviations by the Corps.

c. The Department of the Army Permit number.

d. Within 60 days of completion of the work authorized by this permit, the Permittee shall provide a courtesy copy of the signed and sealed As-Built drawings to the Corps, Engineering Division. Submittals shall be sent either electronically by email at ENPermits.CESAJ@usace.army.mil or by standard mail at Post Office Box 4970, Jacksonville Florida 32232-0019.

4. **Posting of Permit:** The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.

5. **Notice of Permit:** The Permittee shall complete and record the "Notice of Department of the Army Authorization" form (Enclosed)with the Clerk of the County Court, Registrar of Deeds or other appropriate official charged with the responsibility of maintaining records of title to or interest in real property within the county of the authorized activity. No later than 90 days from the effective date of this permit, the Permittee shall provide a copy of the recorded Notice of Permit to the Corps clearly showing a stamp from the appropriate official indicating the book and page at which the Notice of Permit is recorded in the official records and the date of recording.

6. **Cultural Resources/Historic Properties:**

a. No structure or work shall adversely affect, impact, or disturb properties listed in the *National Register of Historic Places* (NRHP), or those eligible for inclusion in the NRHP.

b. If, during the ground disturbing activities and construction work within the permit area, there are archaeological/cultural materials encountered which were not the subject of a previous cultural resources assessment survey (and which shall include, but not be limited to: pottery, modified shell, human remains, ceramics, stone tools or metal implements, dugout canoes, evidence of structures or any other physical remains that could be associated with native cultures or early colonial settlement), the Permittee shall immediately stop all work and ground- disturbing activities within a 100-meter diameter of the discovery and notify the Corps at the addresses listed in the **Reporting Address Special Condition** within the same business day (8 hours). The Corps shall coordinate with the Florida State Historic Preservation Officer (SHPO) to assess the significance of the discovery and devise appropriate actions.

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition and, if deemed necessary by the SHPO or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on non-federal lands; they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archaeologist within the same business day (8-hours). The Corps shall then notify the appropriate SHPO. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the SHPO and from the Corps.

7. **Fill Material:** The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, debris, automotive parts, asphalt, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance in toxic amounts, in accordance with Section 307 of the Clean Water Act.

8. **Erosion Control:** Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area into waters of the United States. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized.

9. **Eastern Indigo Snake Protection Measures and Inspection:** Permittee shall comply with U.S. Fish and Wildlife Service's "Standard Protection Measures for the Eastern Indigo Snake" dated March 23, 2021, as provided (Enclosed). of this permit. All gopher tortoise burrows, active or inactive, shall be evacuated prior to site manipulation in the vicinity of the burrow. If excavating potentially occupied burrows, active or inactive, individuals must first obtain state authorization via a Florida Fish and Wildlife Conservation Commission (FWC) Authorized Gopher Tortoise Agent permit. The excavation method selected shall minimize the potential for injury of an indigo snake. The Permittee shall follow the excavation guidance provided in the most current FWC Gopher Tortoise Permitting Guidelines found at http://myfwc.com/gophertortoise. If an indigo snake is encountered, the snake must be allowed to vacate the area prior to additional site manipulation in the vicinity. Holes, cavities, and snake refugia other than gopher tortoise burrows shall be inspected each morning before planned site manipulation of a particular area, and if occupied by an indigo snake, no work shall commence until the snake has vacated the vicinity of the proposed work.

10. **Jacksonville District Programmatic Biological Opinion (JAXBO):** Structures and activities authorized under this permit will be constructed and operated in accordance with all applicable PDCs contained in the JAXBO, based on the permitted activity. Johnson's seagrass and its critical habitat were delisted from the Endangered Species Act on May 16, 2022. Therefore, JAXBO PDCs required to minimize adverse effects to Johnson's seagrass and its critical habitat are no longer applicable to any project. Failure to comply with applicable PDCs will constitute noncompliance with this permit. In addition, failure to comply with the applicable PDCs, where a take of listed species occurs, would constitute an unauthorized take. The NMFS is the appropriate authority to determine compliance with the Endangered Species Act. The most current version of JAXBO can be accessed at the Jacksonville District Regulatory Division

website in the Endangered Species section of the Sourcebook located at: http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx.

- **Pedestrian Boardwalk**: JAXBO requires that the Pedestrian Boardwalk include the installation of no fishing and no mooring signs.

JAXBO may be subject to revision at any time. The most recent version of the JAXBO must be utilized during the design and construction of the permitted work.

11. Manatee Conditions: The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011" (Enclosure 5). The most recent version of the Manatee Conditions must be utilized.

12. USFWS Concurrence Letter: This permit does not authorize the Permittee to take an endangered species, in particular the West Indian manatee. In order to legally take a listed species, the Permittee must have separate authorization under the Endangered Species Act (ESA) (e.g., an ESA Section 10 permit, or a BO under ESA Section 7, with "incidental take" provisions with which you must comply). The enclosed USFWS Concurrence Letter (Enclosure 5) contains mandatory terms and conditions (pages 2 and 3) to implement reasonable and prudent measures to reduce the potential of take to the West Indian manatee. Authorization under this permit is conditional upon compliance with all of the mandatory terms and conditions and reasonable and prudent measures in the enclosed USFWS Concurrence Letter, which are incorporated by reference in this permit. Failure to comply with the terms and conditions and reasonable and prudent measures associated with the USFWS Concurrence Letter, would constitute noncompliance with this permit. In addition, failure to comply with the terms and conditions and reasonable and prudent measures set forth in the USFWS Concurrence Letter, where a take of the listed species occurs, would constitute an unauthorized take. The USFWS is the appropriate authority to determine compliance with the terms and conditions of its Concurrence Letter, and with the ESA.

- **Commercial Public Floating Dock Facility**: Use of the public boat slips is limited to residents of the multi-family development planned for the adjacent property or visitors to the businesses that are expected to occupy the first floor of the development. The public boat slips shall not include any commercial or repeat-use vessels.

- **Living Shoreline:** The permittee is required to routinely monitor the living shoreline for the entrapment of marine mammals. Any entrapments shall be immediately reported to the U.S. Fish and Wildlife Service (the Service). If the living shoreline has been found to cause multiple entrapments, the applicant is required to apply for a permit modification and to redesign the living shoreline to prevent future entrapments. All entrapments should be immediately reported to the Service's appropriate contacts found in section O of Annex 29 (p. 14). The permittee can also call the FWC's Wildlife Alert Toll-Free Number: 1-888-404-FWCC (1-888-404-3922), press "7" to speak with an operator. Please provide the time of incident/sighting; and the approximate location, including the latitude and longitude coordinates, if possible.

13. Individual Section 408 Approval: It has been determined that the activities authorized do not impair the usefulness of the Hillsborough River and are not injurious to the public interest. The Permittee shall adhere to the conditions and limitations referenced in the Section 408 approval memo 2023-0181 in (Enclosure 6) of this permit. All documentation required in the Section 408 approval memo, including and the Appendix K Standard Terms and Conditions, shall be submitted either electronically by email at ENPermits.CESAJ@usace.army.mil or by standard mail at Post Office Box 4970, Jacksonville, Florida 32232-0019. For all questions related to the Section 408 approval, contact the Corps, Engineering Division by telephone at 904-232-1112. Engineering Division is the appropriate authority to determine compliance with the terms and conditions of Section 408 approval.

- **Living Shoreline 408 Requirement:** A display sign shall be installed (on a piling or anchored on the bottom) to mark the location of the living shoreline to prevent motorized boats from entering the area and mooring.

14. Assurance of Navigation and Maintenance: The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

15. Permit Conditions Prevail: If information in the permit attachments conflict with the special conditions of this permit, the requirements of the permit special conditions shall prevail.

16. Dredged Material Disposal: The Permittee shall place all dredged material in a self-contained, upland disposal site as detailed in the attached drawings and project description. The Permittee shall maintain the upland disposal site to prevent the discharge of dredged material and associated effluent into waters of the United States.

17. Manatee Grates: All culverts 8 inches to 8 feet in diameter must be grated to prevent manatee entrapment. Grates must be permanently fixed, spaced a maximum of 8 inches apart (may be less for culverts smaller than 16 inches in diameter) and may be installed diagonally, horizontally, or vertically. For new culverts, grates must be attached prior to installation of the culverts. Culverts less than 8 inches or greater than 8 feet in diameter are exempt from this requirement.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

(X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403)

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344)

( ) Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413)

(X) Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. 408)

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal projects.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of

legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

PERMIT NUMBER: SAJ-2022-02585
PERMITTEE: RD RWD Tampa LLC Trustee

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

_____ _____
(PERMITTEE) (DATE)

_____
(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

_____ Date:_____
Brandon L. Bowman
Colonel, U.S. Army
District Commander

PERMIT NUMBER: SAJ-2022-02585
PERMITTEE: RD RWD Tampa LLC Trustee
PAGE 14 of 15

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

_____ _____
(TRANSFEREE-SIGNATURE) (DATE)

_____
(NAME-PRINTED)

_____
(ADDRESS)

_____
(CITY, STATE, AND ZIP CODE)

PERMIT NUMBER: SAJ-2022-02585
PERMITTEE: RD RWD Tampa LLC Trustee
PAGE 15 of 15

Attachments to Department of the Army Permit Number SAJ-2022-02585

1. PERMIT DRAWINGS: 23 pages, dated January 13, 2025.

2. WATER QUALITY CERTIFICATION: Specific Conditions of the water quality permit/certification in accordance with General Condition number 5 on page 4 of this DA permit. 16 pages.

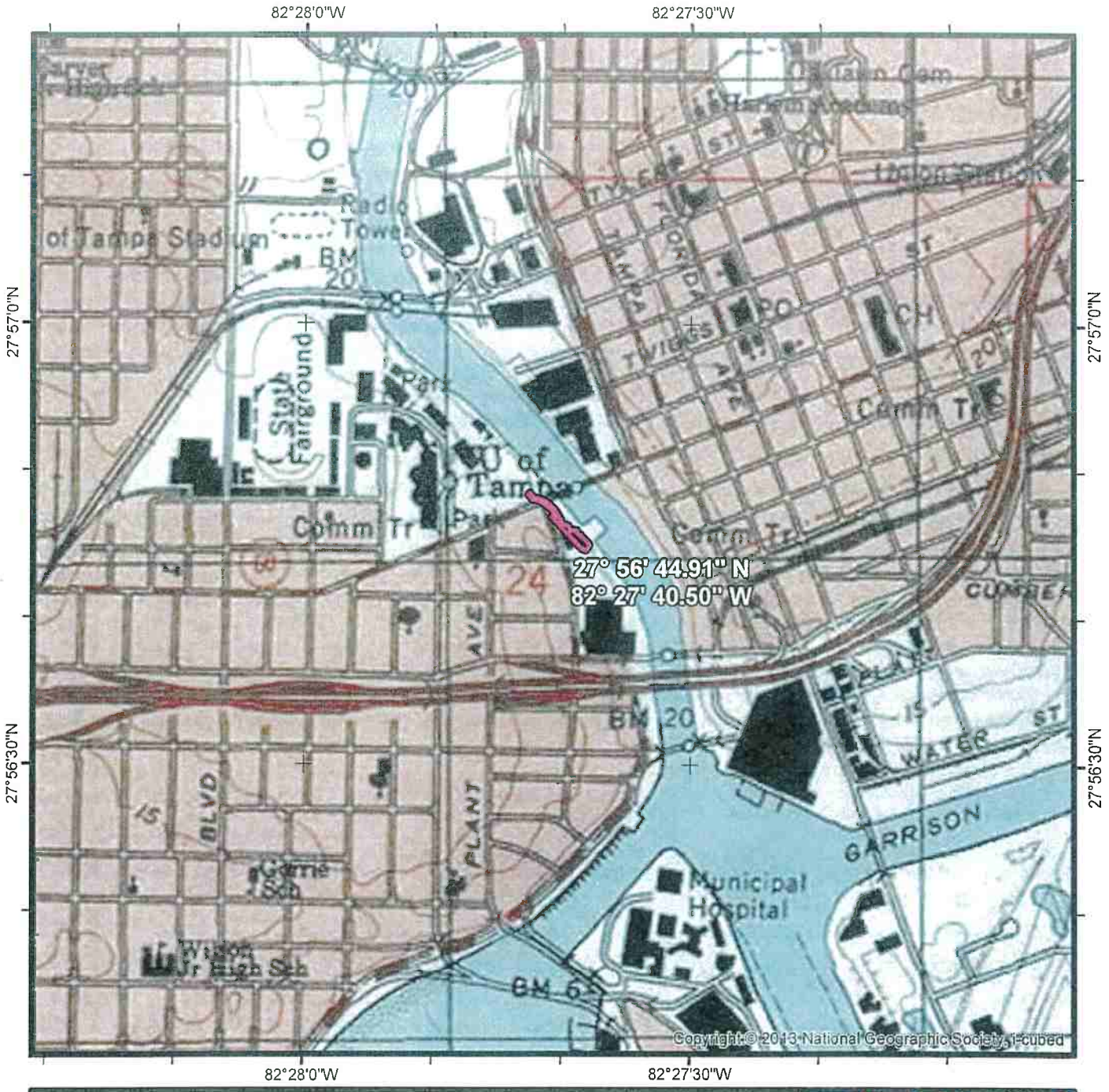
3. COMMENCEMENT NOTIFICATION: 1 page, Initiation of the work authorized by this permit.

4. AS-BUILT CERTIFICATION WITH X-Y COORDINATES: 2 pages, As-Built Certification by Professional Engineer.

5. MANATEE CONDITIONS: 2 pages, Standard Manatee Conditions for In-Water Work – 2011.

6. 408 Approval Letter with Appendix K Standard Terms and Conditions, 7 pages.

7. EASTERN INDIGO SNAKE CONDITIONS: 7 pages.



Legend

Project Area

Section 24, Township 29 S., Range 18 E.

USGS TAMPA, Fla. Quadrangle (7.5 Minute Topographic Map)

Source: Boundary taken from Hillsborough County Property Appraiser.



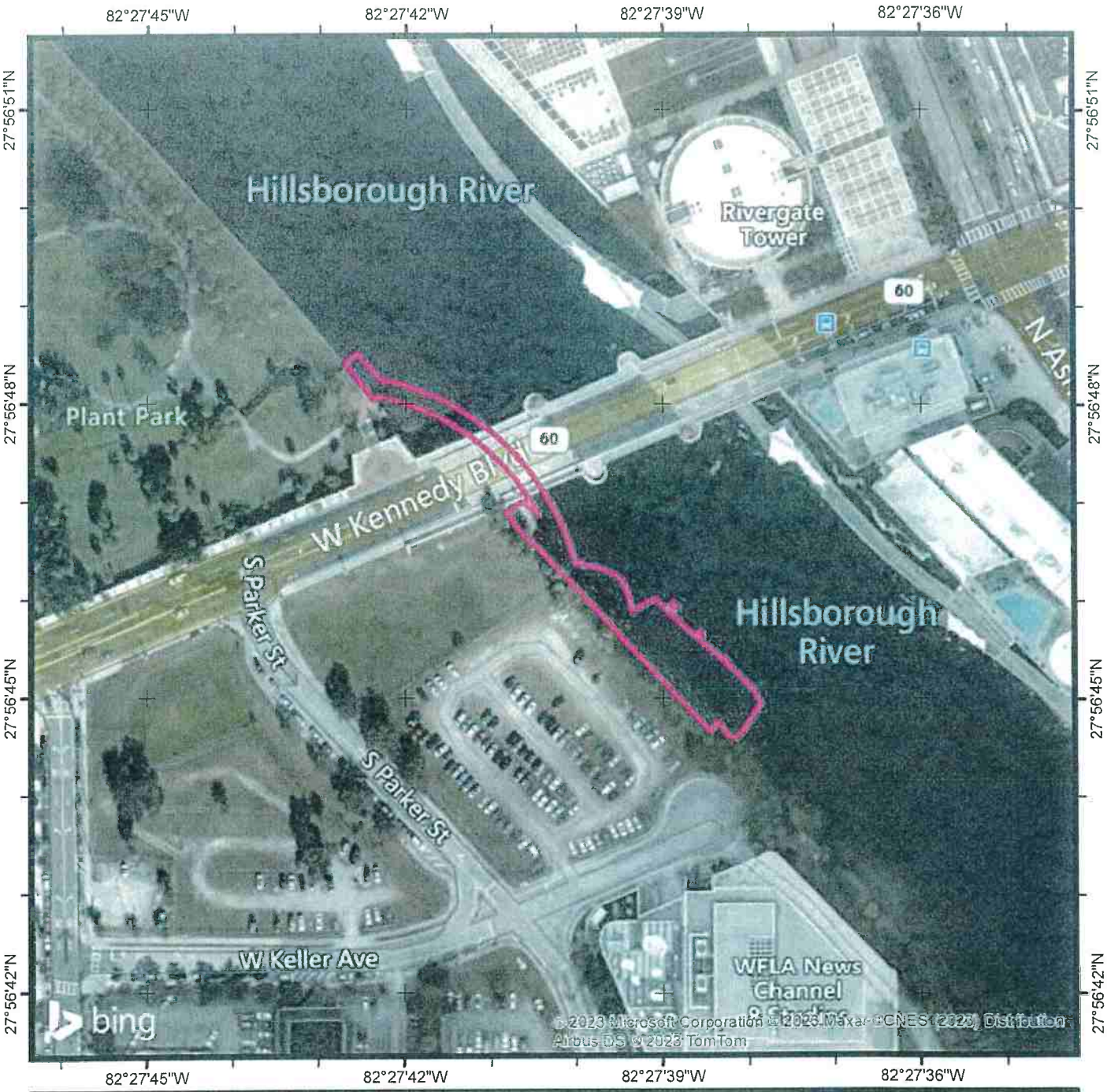
0 500 1,000 Feet

1 inch = 1,000 feet

EXHIBIT 1.
USGS TOPOGRAPHICAL MAP FOR THE TAMPA RIVERWALK PROJECT SITE, CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA.

BDA BREEDLOVE, DENNIS & ASSOCIATES, INC. Environmental Consultants
330 W. Canton Ave., Winter Park, FL 32789 • 407-477-1882

CBT • 4/7/2023 • P:\ATG\2022007\Permit_Use\IP_202304\ARCGIS\Location.mxd



Legend

Project Area (0.43 ac)

Source: Boundary taken from files provided by: Moffatt & Nichol, 2023/04/06.



0 75 150 Feet

1 inch = 150 feet

EXHIBIT 2.
AERIAL PHOTOGRAPH OF THE TAMPA RIVERWALK PROJECT SITE, CITY OF TAMPA, HILLSBOROUGH COUNTY, FLORIDA.

BDA BREEDLOVE, DENNIS & ASSOCIATES, INC. Environmental Consultants
330 W. Canton Ave., Winter Park, FL 32789 • 407-677-1882

CBT • 4/7/2023 • P:\ATG\2022007\Permit_Use\IP_202304\ARCGIS\Aerial.mxd

EPC
PERMIT
A-1 MPG
EXHIBIT

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

SECTION 24, TOWNSHIP 29S, RANGE 18E

102 SOUTH PARKER STREET
TAMPA, FLORIDA 33606



SOURCE: GOOGLE

VICINITY MAP
N.T.S.

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES AND ABBREVIATIONS
3	V-101	EXISTING CONDITIONS AND DEMOLITION PLAN
4	V-301	EXISTING BULKHEAD AND DEMOLITION SECTIONS
5	S-101	BULKHEAD PLAN
6	S-301	BULKHEAD SECTIONS
7	S-501	BULKHEAD DETAILS



SOURCE: GOOGLE

LOCATION PLAN
N.T.S.

PREPARED BY:
moffatt & nichol
501 E KENNEDY BLVD
SUITE 1910
TAMPA, FL 33602
813-258-8818
LIC: EB-0004877

PREPARED FOR:
RELATED
2850 TIGERTAIL AVE.
SUITE 800
MIAMI, FL 33133
(305) 460-9900

Nicole M Shaw
Digitally signed by Nicole M Shaw
Date: 2023.01.18 21:36:40 -05'00'

PERMIT DRAWINGS
ISSUED: 2022-12-22

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

COVER SHEET

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
G-001
INDEX 1 OF 7

Plot: 01/18/2023 09:20:00 AM | By: LLOYD, CHRIS | Plotted: 12/22/2022 8:49 AM | By: LLOYD, CHRIS | Active: Sheet#E230222_G-001 | Model: | Sheet#E230222_G-001

356

76094

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND COVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2022 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
2. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
4. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
6. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
7. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
8. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
9. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.
10. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
11. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITY.
12. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
14. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY, SECURITY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT OSHA AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND OSHA TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND OWNER WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.
15. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
16. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS)TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE CITY AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
17. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS.
18. THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
19. IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE, THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
20. SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

SURVEY NOTES

1. ELEVATIONS SHOWN HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. HORIZONTAL COORDINATES ARE IN FEET AND REFERENCED TO FLORIDA STATE PLANE WEST ZONE (NAD 83).
3. UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
4. THE TIDAL DATUM RELATIONSHIP BASED ON FL NOAA VDATUM SOFTWARE, STATION 872-6693, HILLSBOROUGH RIVER ENTRANCE, FLORIDA.

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
MHHW	+ 1.06 FEET
MHW	+ 0.81 FEET
NAV88	0.00 FEET
MSL	- 0.16 FEET
MLW	-1.14 FEET
MLLW	-1.47 FEET

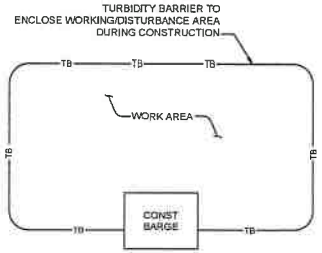
5. HYDROGRAPHIC SURVEY BY GEORGE F. YOUNG, DATED JUNE 9, 2022 AND IS ONLY INDICATIVE OF THE CONDITIONS EXISTING AT THAT TIME.
6. SITE SURVEY BY GEOPOINT SURVEYING, INC. DATED DECEMBER 2021.
7. AQUATIC RESOURCE SURVEY BY BREEDLOVE, DENNIS, AND ASSOCIATES DATED SEPTEMBER 2022.

DEMOLITION NOTES

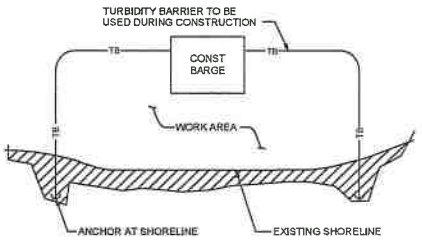
1. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURE. ANY DAMAGE INCURRED IN EXECUTION OF THIS CONTRACT TO ANY PART OF THE PROPERTY/STRUCTURE NOT SPECIFICALLY DESIGNATED FOR DEMOLITION SHALL BE REPAIRED, REPLACED, AND/OR RECONSTRUCTED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AS DIRECTED BY THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
2. PRIOR TO GENERAL DEMOLITION, THE CONTRACTOR SHALL SAWCUT WHERE NOTED OR OTHERWISE PROVIDE A SMOOTH, CLEAN, PARALLEL FULL DEPTH BREAK FROM ALL CONNECTING LINKS TO THE REMAINING STRUCTURE.
3. ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF, AND SHALL BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE REMOVAL, HANDLING, AND DISPOSAL OF ALL DEMOLITION MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.
5. THE CONTRACTOR IS RESPONSIBLE TO CONTROL FUGITIVE DUST ORIGINATING FROM THE PROJECT SITE DURING CONSTRUCTION BY WATERING OR OTHER METHODS AS REQUIRED.
6. ALL SURVEY MONUMENTS WITHIN LIMITS OF CONSTRUCTION ARE TO BE PROTECTED.
7. ALL CONCRETE SHALL BE ASSUMED TO BE STEEL REINFORCED, UON.

ENVIRONMENTAL NOTES

1. TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



PLAN - OFF SHORE

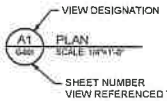


PLAN - ALONG SHORE

DETAIL - TURBIDITY CONTROL BARRIER

ABBREVIATIONS

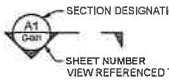
DBL	= DOUBLE
EA	= EACH
EL	= ELEVATION
EMBED	= EMBEDMENT
EQ	= EQUAL
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
GALV	= GALVANIZED
LG	= LONG
MAX	= MAXIMUM
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MIN	= MINIMUM
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
SPA	= SPACES
SS	= STAINLESS STEEL
TYP	= TYPICAL
UON	= UNLESS OTHERWISE NOTED
CL	= CENTERLINE
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
Ø	= DIAMETER
PL	= PLATE



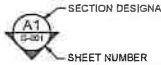
VIEW TITLE



DETAIL CALLOUT



SECTION CALLOUT



ELEVATION VIEW

EPC PERMIT
A-2 MPG
EXHIBIT

Nicole M Shaw
Digitally signed by Nicole M Shaw
Date: 2023.01.18 21:36:50 -05'00'

PERMIT DRAWINGS
ISSUED: 2022-12-22

RELATED

RIVERWALK DISTRICT BULKHEAD REPLACEMENT

GENERAL NOTES AND ABBREVIATIONS

Reference No.
G-002

INDEX 2 OF 7

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA FL 33602
813-258-8818
REGISTRY NO. EB 0007917
WWW.MOFFATTNICHOL.COM

No.	Date	Revision
A	2023-10-17	

Drawn by: T. COBB
Checked: ILP
Approved by: ILP
Date: 2023-10-17
MNA Project No.: 22022
Drawing Unit:
Drawing Scale:
Submitted by: ILP
Submitted Date: 10/17/2023 4:21:51 PM

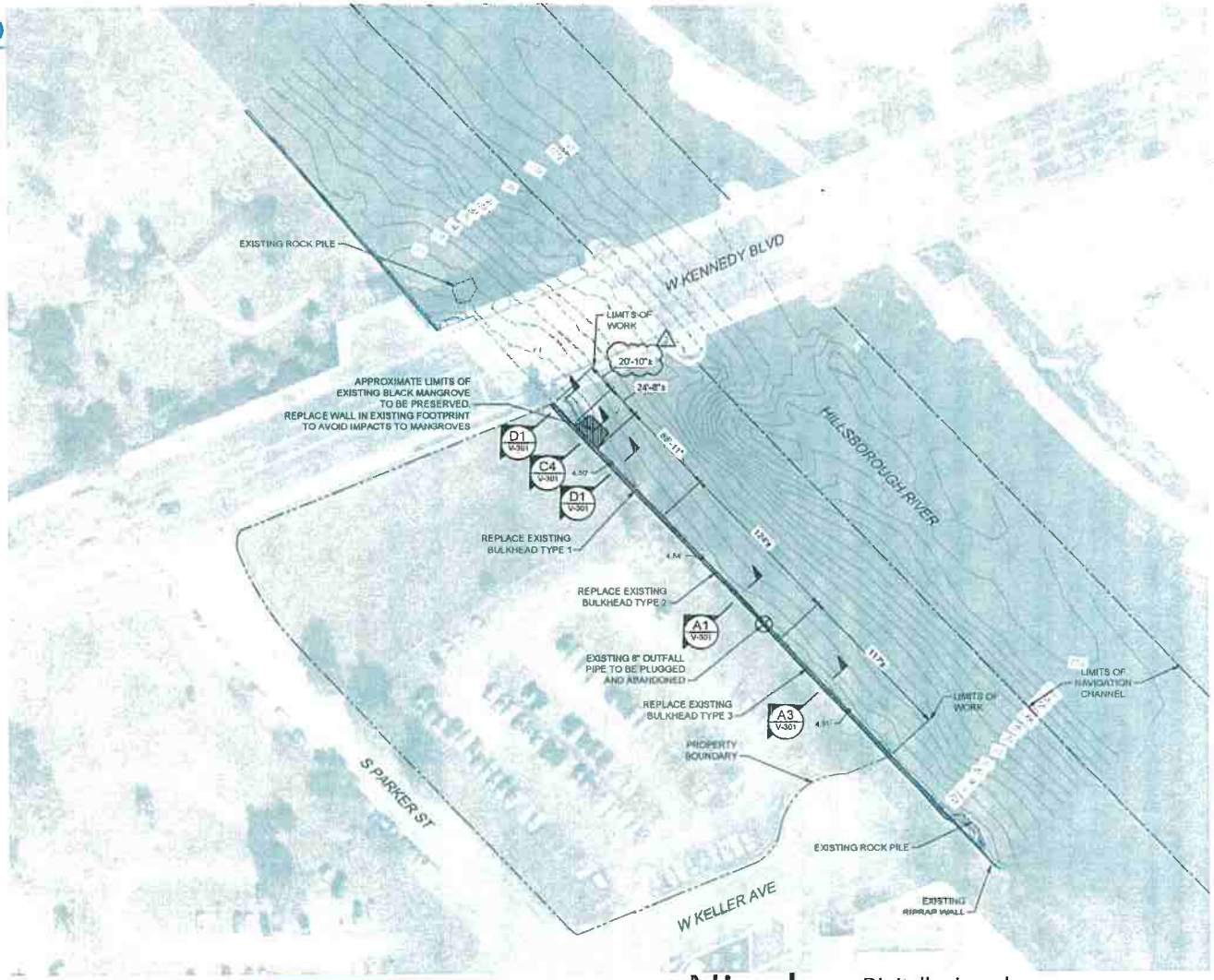
Filename: G:\TAMPA\22022\200 CADD_Active\22022_G-002_Active.dgn 12/23/2022 8:34 AM by LLOYD, CHRIS

357

76094

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RECEIVED
APR 4 2023
EPC of H.C.
WETLANDS



N

QUANTITY

BULKHEAD REPLACEMENT 355.5 LF (2)

LEGEND

- PROPERTY LINE
- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- 4.50' SPOT ELEVATION AT TOP OF EXISTING PILE CAP
- MHW MEAN HIGH WATER LINE
- PIPE OUTFALL
- MANGROVE CANOPY

SCALE: 1"=40'

PERMIT DRAWINGS
ISSUED: 2023-02-07

REVISED
Replaces Drawings Received: JAN 20, 2023

EPC
PERMIT
A-3 MPG
EXHIBIT

Nicole M Shaw
Digitally signed by Nicole M Shaw
Date: 2023.04.04 08:44:03 -04'00'

This item has been electronically signed and sealed by Nicole M Shaw, PE using a Digital Signature and date. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

EXISTING CONDITIONS AND DEMOLITION PLAN

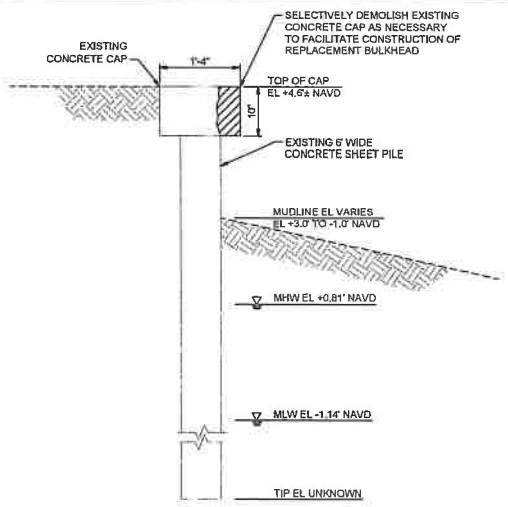
501 E KENNEDY BLVD SUITE 1900
TAMPA, FL 33602
813-2684810
REGISTRY NO. 0000627
WWW.MOFFATTNICHOL.COM
moffatt & nichol

Sheet Reference No.
V-101
INDEX: 3 OF 7

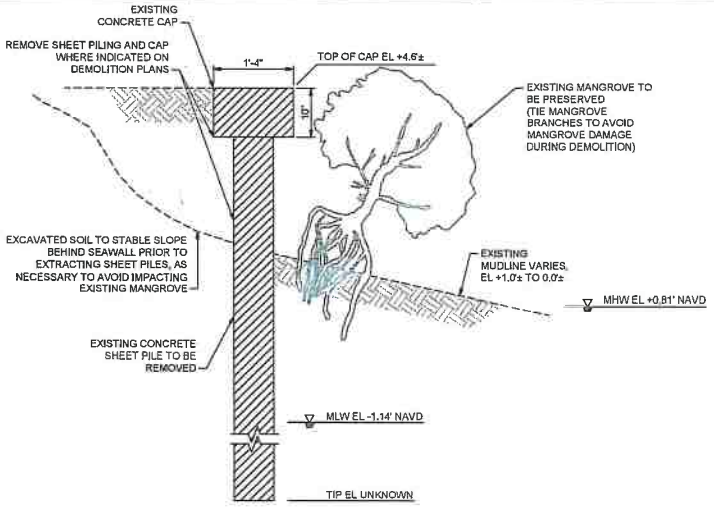
DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

358

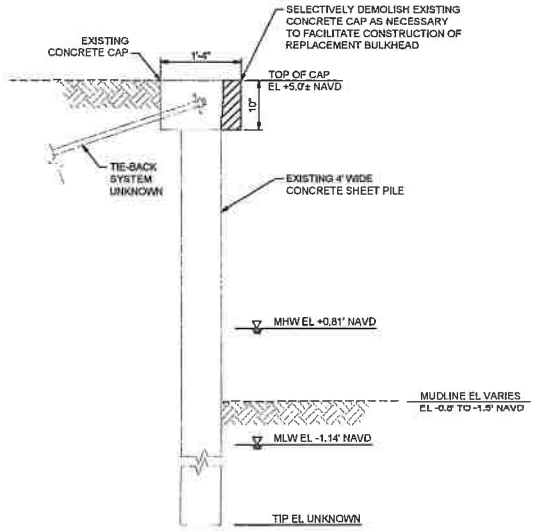
76094



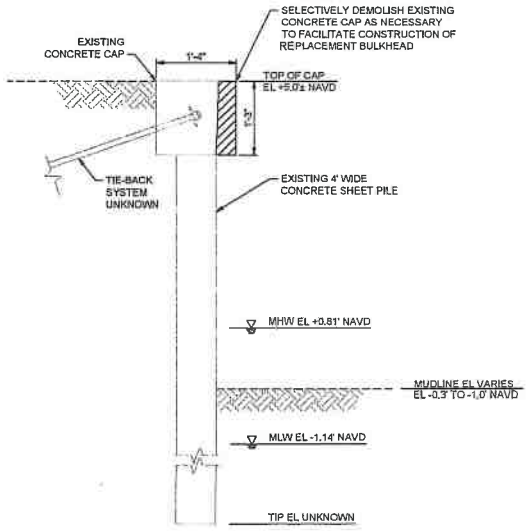
D1 V-101 TYPICAL DEMOLITION SECTION - TYPE 1 BULKHEAD REPLACEMENT
SCALE: 1"=1'-0"



C4 V-101 TYPICAL DEMOLITION SECTION - TYPE 1 BULKHEAD REMOVAL
SCALE: 1" = 1'-0"



A1 V-101 TYPICAL DEMOLITION SECTION - TYPE 2 BULKHEAD REPLACEMENT
SCALE: 1"=1'-0"



A3 V-101 TYPICAL DEMOLITION SECTION - TYPE 3 BULKHEAD REPLACEMENT
SCALE: 1"=1'-0"

LEGEND
DEMO HATCH

SCALE: 1"=1'-0"

EPC PERMIT
A-4 MPG
EXHIBIT

Nicole M Shaw
Digitally signed by Nicole M Shaw
Date: 2023.01.18 21:37:12 -05'00'

PERMIT DRAWINGS
ISSUED: 2022-12-22

RELATED

RIVERWALK DISTRICT BULKHEAD REPLACEMENT

EXISTING BULKHEAD AND DEMOLITION SECTIONS

Sheet Reference No.
V-301
INDEX 4 OF 7

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

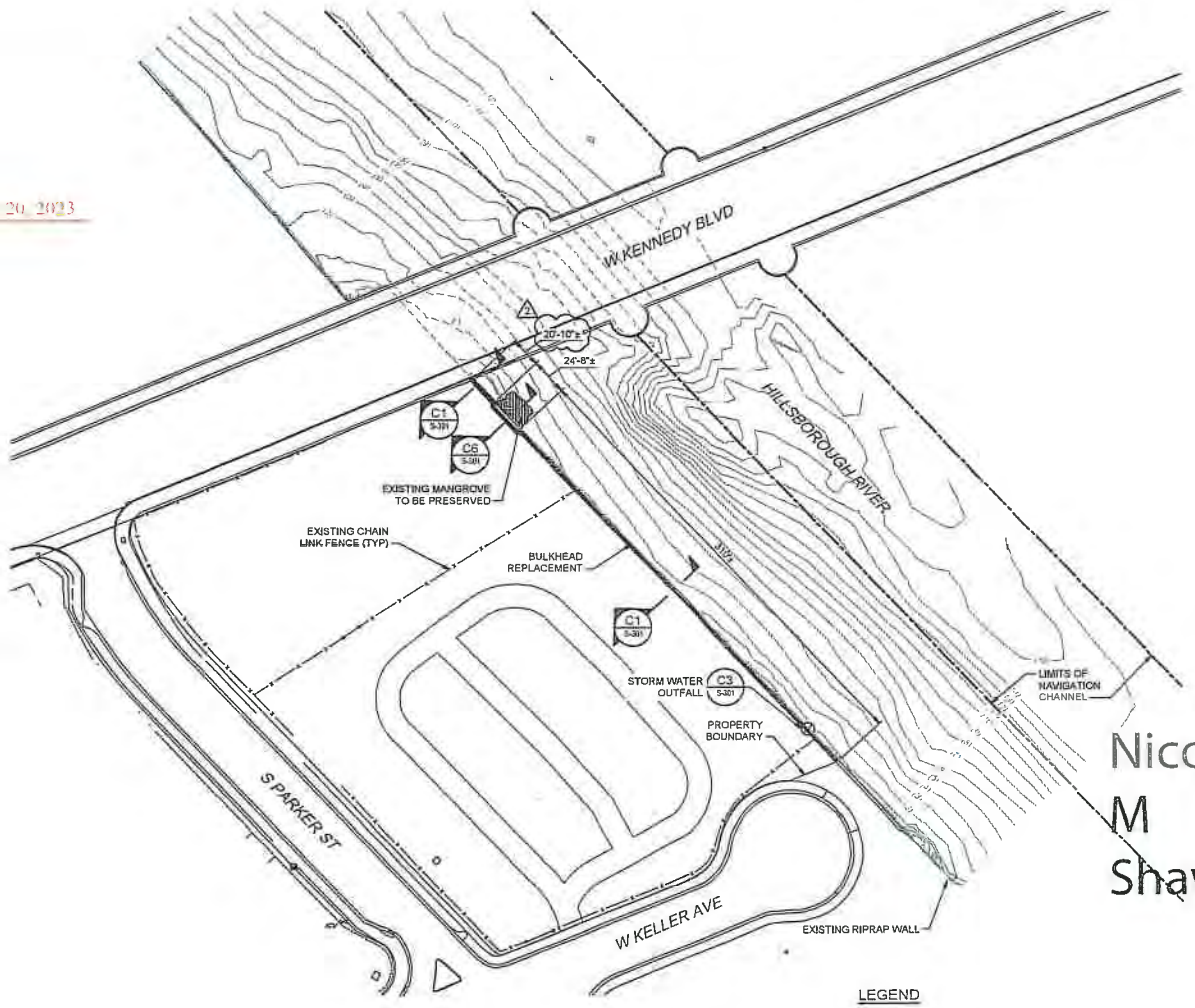
359

76094

RECEIVED
APR 4 2023
EPC of H.C.
WETLANDS

REVISED
Replaces Drawings Received JAN 20, 2023

EPC
PERMIT
A-5 MPG
EXHIBIT



LEGEND

- PROPERTY LINE
- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- MHW MEAN HIGH WATER LINE
- PIPE OUTFALL
- MANGROVE CANOPY

Nicole M Shaw
Digitally signed by Nicole M Shaw
Date: 2023.04.04 08:39:07 -04'00'

This item has been **electronically signed** and sealed by Nicole M Shaw, PE using a Digital Signature and date. Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.

40' 0' 40' 80'
SCALE: 1"=40'

PERMIT DRAWINGS
ISSUED 2023-02-07

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

BULKHEAD PLAN

501 E KENNEDY BLVD SUITE 1900
TAMPA, FL 33602
813-226-8116
REGISTRY NO. 29067
WWW.MOFFATTNICHOL.COM

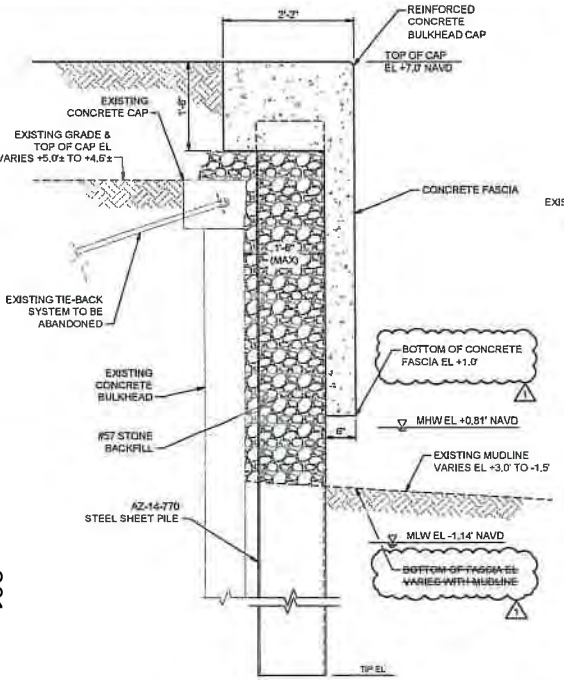
moffatt & nichol

Sheet Reference No.
S-101
INDEX: 8 OF 8

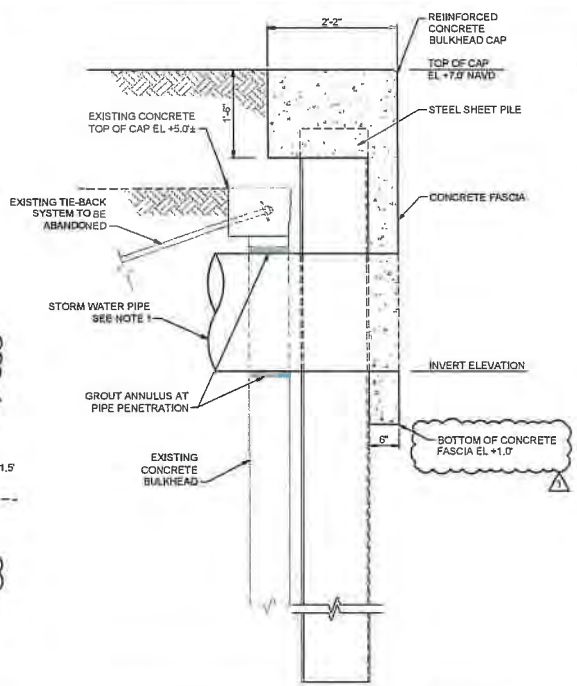
DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

360

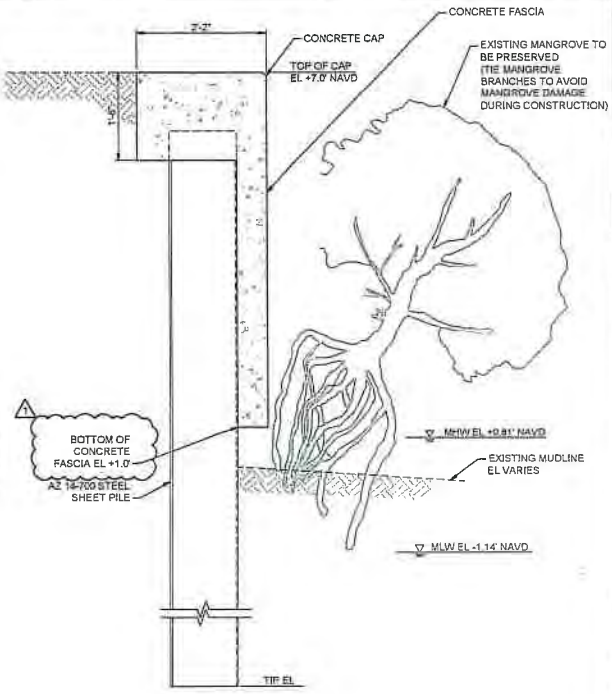
76094



C1 S-101 TYPICAL BULKHEAD SECTION
SCALE: 1"=1'-0"



C3 S-101 BULKHEAD SECTION AT PIPE PENETRATION
SCALE: 1"=1'-0"



C6 S-101 BULKHEAD SECTION AT MANGROVE
SCALE: 1"=1'-0"

EPC PERMIT
A-6 MPG
EXHIBIT

NOTES

1. COORDINATE PIPE SIZE AND LOCATION WITH CIVIL DRAWINGS

Nicole M Shaw
Digitally signed by Nicole M Shaw
Date: 2023.01.18 21:37:32 -05'00'

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMIT DRAWINGS
ISSUED: 2022-12-22

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

BULKHEAD SECTIONS

moffatt & nichol
501 E KENNEDY BLVD, SUITE 1910
TAMPA, FL 33602
813-258-8818
FL REGISTRY OF BUSINESS #27
WWW.MOFFATTNICHOL.COM

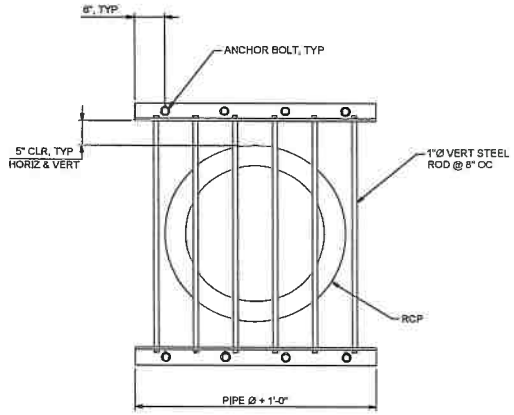
SEAL

Sheet Reference No.
S-301
INDEX: # OF #

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

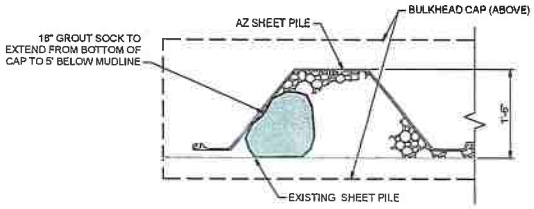
361

76094

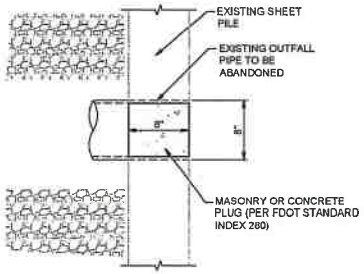


NOTE: MANATEE GRATE SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX NO. 280.

C1 / S-501 DETAIL - MANATEE PROTECTION CAGE
SCALE: 1" = 1'-0"



D4 / S-501 DETAIL - END DETAIL
SCALE: 1" = 1'-0"



B1 / S-501 DETAIL - PIPE PLUG
SCALE: 1 1/2" = 1'-0"

EPC
PERMIT
A-7 MPG
EXHIBIT

RELATED

RIVERWALK DISTRICT
BULKHEAD REPLACEMENT

BULKHEAD DETAILS

Nicole M Shaw
Digitally signed by Nicole M Shaw
Date: 2023.01.18 21:37:42 -05'00'

6" 0'-0" 6" 1'-0"
SCALE: 1 1/2"=1'-0"
1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMIT DRAWINGS
ISSUED: 2022-12-22

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-254-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
S-501
INDEX: 7 OF 7

362

76094

RIVERWALK DISTRICT WATERFRONT

SECTION 24, TOWNSHIP 29S, RANGE 18E

102 SOUTH PARKER STREET
TAMPA, FLORIDA 33606



SOURCE: GOOGLE

VICINITY MAP
N.T.S.

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES AND ABBREVIATIONS
3	G-101	OVERALL SITE PLAN
4	V-101	EXISTING CONDITIONS PLAN
5	C-101	DREDGING PLAN
6	C-102	LIVING SHORELINE PLAN
7	C-301	DREDGING AND LIVING SHORELINE SECTIONS
8	S-101	RIVERWALK UNDERPASS PLAN AND SECTION
9	S-102	FLOATING DOCK PLAN
10	S-301	TYPICAL DOCK AND TRANSITION AREA SECTIONS
11	S-302	DOCK AND LIVING SHORELINE SECTION
12	S-501	FLOATING DOCK DETAILS
13	S-502	GANGWAY DETAILS
14	S-503	AIDS TO NAVIGATION AND SIGN DETAILS



SOURCE: GOOGLE

LOCATION PLAN
N.T.S.

PREPARED BY:
moffatt & nichol
501 E KENNEDY BLVD
SUITE 1910
TAMPA, FL 33602
813-258-8818
LIC: EB-0004877

PREPARED FOR:
RELATED
2850 TIGERTAIL AVE.
SUITE 800
MIAMI, FL 33133
(305) 460-9900

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

COVER SHEET

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

Designed: TC
Drawn: CGL
Checked: HMG
Submitted: NICOLE DAVIS, PE
Date: 2024-07-29
Scale: AS NOTED
Project No. 33023
Drawing Code: G-001
No. 1 07/15/24 Description

Sheet Reference No.
G-001
INDEX: 1 OF 14

File: G:\TAD\2023\2300\CAD\Arch\permit\33023_G-001_Arch.rvt Printed: 8/29/2024 8:07 AM By: Smith, Sara

Sara Smith 08-29-2024

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND COVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2022 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
2. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
4. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
6. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
7. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
8. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
9. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT.
10. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
11. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITY.
12. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
14. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY, SECURITY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT OSHA AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND OSHA TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND OWNER WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.
15. ~~ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE~~ PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
16. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS)TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE CITY AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
17. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS.
18. THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
19. IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE, THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
20. SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

SURVEY NOTES

1. ELEVATIONS SHOWN HEREIN REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. HORIZONTAL COORDINATES ARE IN FEET AND REFERENCED TO FLORIDA STATE PLANE WEST ZONE (NAD 83).
3. UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
4. THE TIDAL DATUM RELATIONSHIP BASED ON FL NOAA VDATUM SOFTWARE, STATION 872-6693, HILLSBOROUGH RIVER ENTRANCE, FLORIDA.

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
MHHW	+ 1.06 FEET
MHW	+ 0.81 FEET
NAV88	0.00 FEET
MSL	- 0.16 FEET
MLW	-1.14 FEET
MLLW	-1.47 FEET

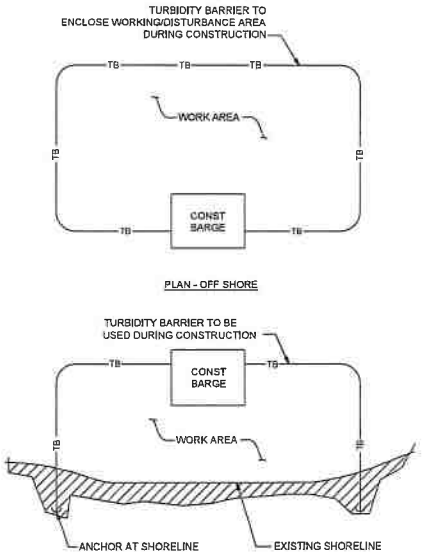
5. HYDROGRAPHIC SURVEY BY GEORGE F. YOUNG, DATED JUNE 9, 2022 AND IS ONLY INDICATIVE OF THE CONDITIONS EXISTING AT THAT TIME.
6. SITE SURVEY BY GEOPOINT SURVEYING, INC. DATED DECEMBER 2021.
7. AQUATIC RESOURCE SURVEY BY BREEDLOVE, DENNIS, AND ASSOCIATES DATED SEPTEMBER 2022, AND JUNE 2024.

WATER QUALITY MONITORING PLAN

1. WATER QUALITY MONITORING WILL BE CONDUCTED FOR TURBIDITY DURING DREDGING ACTIVITIES AT THREE TEST STATIONS: 1) BACKGROUND, 2) COMPLIANCE, AND 3) MIXING ZONE. THE BACKGROUND STATION SHALL BE LOCATED UPSTREAM OF THE PROJECT AREA OUTSIDE OF THE MIXING ZONE AND ANY TURBIDITY GENERATED BY DREDGING ACTIVITIES. THE COMPLIANCE STATION SHALL BE LOCATED OUTSIDE THE MIXING ZONE AND TURBIDITY BARRIERS DOWNDRIFT OF THE PROJECT AND IN THE DENSEST PORTION OF ANY VISIBLE TURBIDITY PLUME. THE MIXING ZONE STATION SHALL BE LOCATED INSIDE THE LIMITS OF THE MIXING ZONE AND THE TURBIDITY BARRIERS.
2. SHOULD THE COMPLIANCE TURBIDITY EXCEED THE BACKGROUND TURBIDITY BY 29 NEPHELOMETRIC TURBIDITY UNITS (NTU), WORK SHALL CEASE AND THE OWNER WILL BE NOTIFIED IMMEDIATELY. OPERATIONS SHALL NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS.
3. TESTING WITHIN THE LIMITS OF THE MIXING ZONE WILL BE CONDUCTED TO VERIFY COMPLIANCE WITH THE GREATER OF BACKGROUND AND STATE WATER QUALITY STANDARDS PRIOR TO REMOVAL OF THE TURBIDITY BARRIERS. ONCE DREDGING OPERATIONS ARE COMPLETE AND COMPLIANCE AT THE MIXING ZONE STATION IS MET, TESTING AT THE MIXING ZONE STATION MAY BE SUSPENDED.
4. WATER QUALITY TESTING SHALL OCCUR TWICE DAILY DURING DREDGING, AT LEAST FOUR HOURS APART, AT ALL THREE STATIONS UNTIL THE MIXING ZONE STATION IS IN COMPLIANCE FOR TURBIDITY. SAMPLES SHALL BE COLLECTED AT TWO FEET ABOVE THE MUDLINE AND TWO FEET BELOW THE WATER SURFACE AT EACH STATION AND SHALL BE ANALYZED WITHIN 30 MINUTES OF COLLECTION. THE ANALYZED DATA SHALL BE DOCUMENTED AND REPORTED TO THE APPROPRIATE REGULATORY AGENCIES WITHIN SEVEN DAYS AFTER COMPLETION OF EACH TEST. MONITORING REPORTS SHALL CONTAIN THE FOLLOWING INFORMATION:
   - A. PERMIT NUMBER
   - B. DATES OF SAMPLING AND ANALYSIS
   - C. STATEMENT DESCRIBING METHODS USED IN COLLECTION, HANDLING, STORAGE, AND ANALYSIS OF THE SAMPLES
   - D. MAP INDICATING SAMPLE LOCATIONS
   - E. STATEMENT BY INDIVIDUAL RESPONSIBLE FOR THE IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA
   - F. CONSTRUCTION ACTIVITIES
5. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE:
   - A. TIME OF DAY
   - B. DEPTH OF WATER BODY
   - C. DEPTH OF SAMPLE
   - D. ANTECEDENT WEATHER CONDITIONS
   - E. TIDAL STAGE AND DIRECTION OF FLOW
   - F. WIND DIRECTION AND VELOCITY
6. IF MONITORING REVEALS WATER QUALITY LEVELS AT THE COMPLIANCE STATION IN EXCESS OF THE GREATER OF THE BACKGROUND STATION LEVELS AND THE STATE STANDARDS, DREDGING ACTIVITIES SHALL CEASE **IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE** BEEN TAKEN AND TEST RESULTS HAVE RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY REPORTED IN ACCORDANCE WITH THE PERMIT CONDITIONS.

ENVIRONMENTAL NOTES

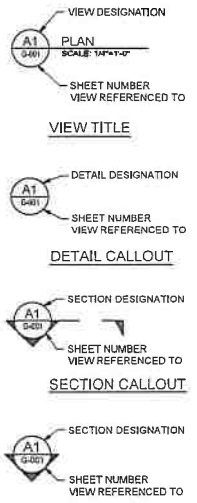
1. TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



DETAIL - TURBIDITY CONTROL BARRIER

ABBREVIATIONS

CL	= CENTERLINE
DBL	= DOUBLE
EA	= EACH
EL	= ELEVATION
EMBED	= EMBEDMENT
EQ	= EQUAL
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
GALV	= GALVANIZED
LG	= LONG
MAX	= MAXIMUM
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MIN	= MINIMUM
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
P/C	=PRECAST CONCRETE
PL	= PLATE
SPA	= SPACES
SS	= STAINLESS STEEL
TYP	= TYPICAL
UON	= UNLESS OTHERWISE NOTED
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
Ø	= DIAMETER



PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

NO.	DESCRIPTION	DATE
4	PERMITTING	2024-06-28
3	PERMITTING	2024-06-07
2	PERMITTING	2024-05-10
1	PERMITTING	2024-04-12

RIVERWALK DISTRICT WATERFRONT

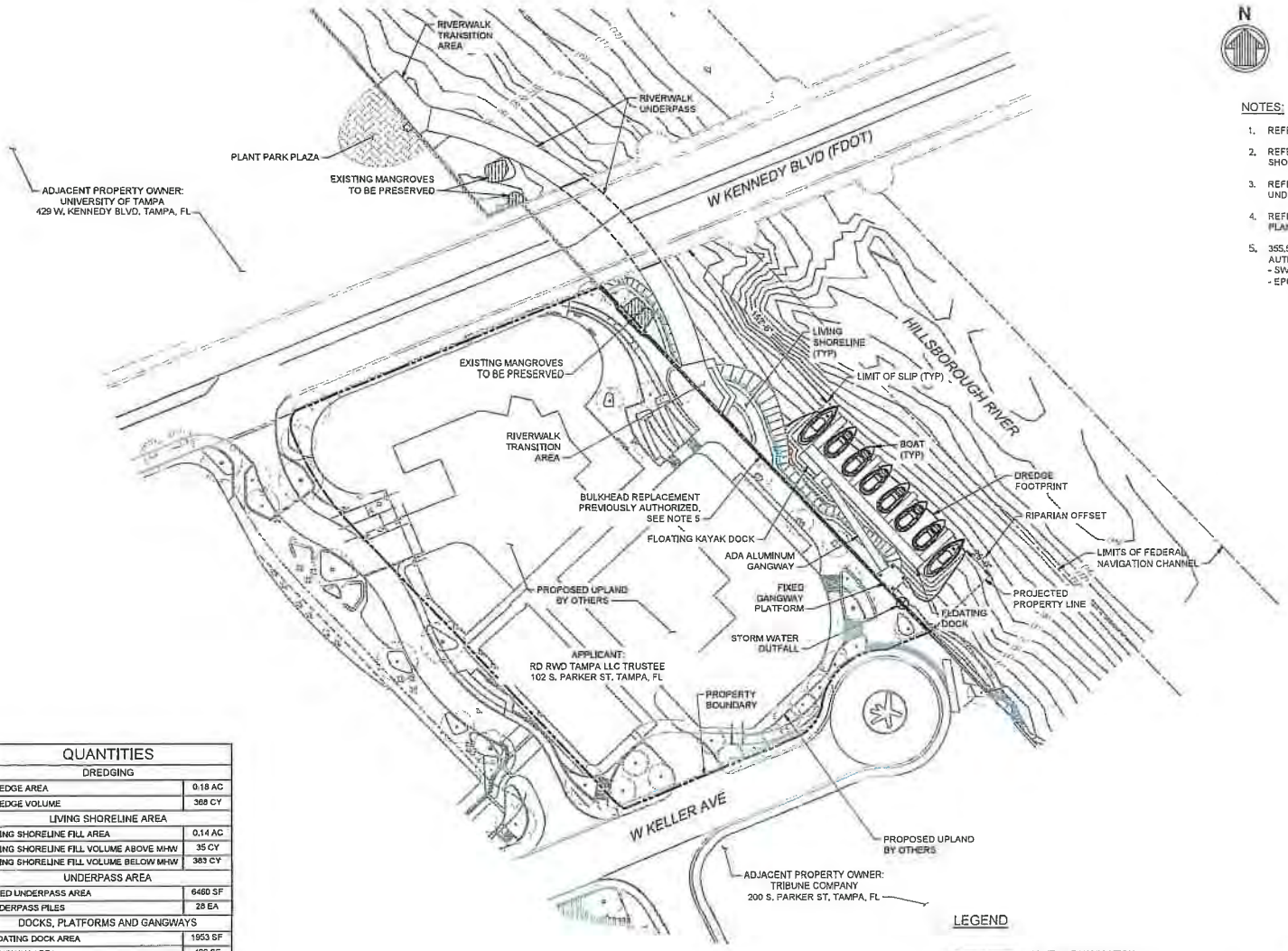
GENERAL NOTES AND ABBREVIATIONS

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-6516
REGISTRY NO. 00004127
WWW.MOFFATTNICHOL.COM

Engineer: TC
Drawn by: EGB
Checked by: MAZ
Submitted by: NOEL BARRIOS
Date: 2023-03-29
MN Project No. 23022
Drawing Scale: —
Drawing Type: —
Drawing No.: G-002
Sheet Reference No.: G-002
INDEX: 3 OF 14

SEAL

SAVED: 8/26/2024 8:07 AM By: SMITH, NOEL (MOFFATT & NICHOL)
File: Q:\TAMPA\23022\50 CAD\1_Active\1_waterfront permit\230222_C-002 - Permit - 8/26/2024 8:07 AM by: SMITH, NOEL (MOFFATT & NICHOL)



NOTES:

1. REFER TO C-101 FOR DREDGING PLAN.
2. REFER TO C-102 FOR LIVING SHORELINE PLAN.
3. REFER TO S-101 FOR RIVERWALK UNDERPASS PLAN.
4. REFER TO S-102 FOR FLOATING DOCKS PLAN.
5. 355.5 LF OF BULKHEAD REPLACEMENT AUTHORIZED UNDER:
   - SWFWMD EXEMPTION FILE NO. 858700.
   - EPC MINOR WORK PERMIT NO. 76094.

QUANTITIES	
DREDGING	
DREDGE AREA	0.18 AC
DREDGE VOLUME	368 CY
LIVING SHORELINE AREA	
LIVING SHORELINE FILL AREA	0.14 AC
LIVING SHORELINE FILL VOLUME ABOVE MHW	35 CY
LIVING SHORELINE FILL VOLUME BELOW MHW	383 CY
UNDERPASS AREA	
FIXED UNDERPASS AREA	6460 SF
UNDERPASS PILES	28 EA
DOCKS, PLATFORMS AND GANGWAYS	
FLOATING DOCK AREA	1953 SF
GANGWAY AREA	486 SF
FIXED GANGWAY PLATFORM AREA	245 SF
DOCK GUIDE PILES	12 EA
PLATFORM PILES	4 EA

LEGEND

- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- MHW MEAN HIGH WATER LINE
- STORM WATER OUTFALL
- PROPERTY BOUNDARY

40' 0' 40' 80'
SCALE: 1"=40'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

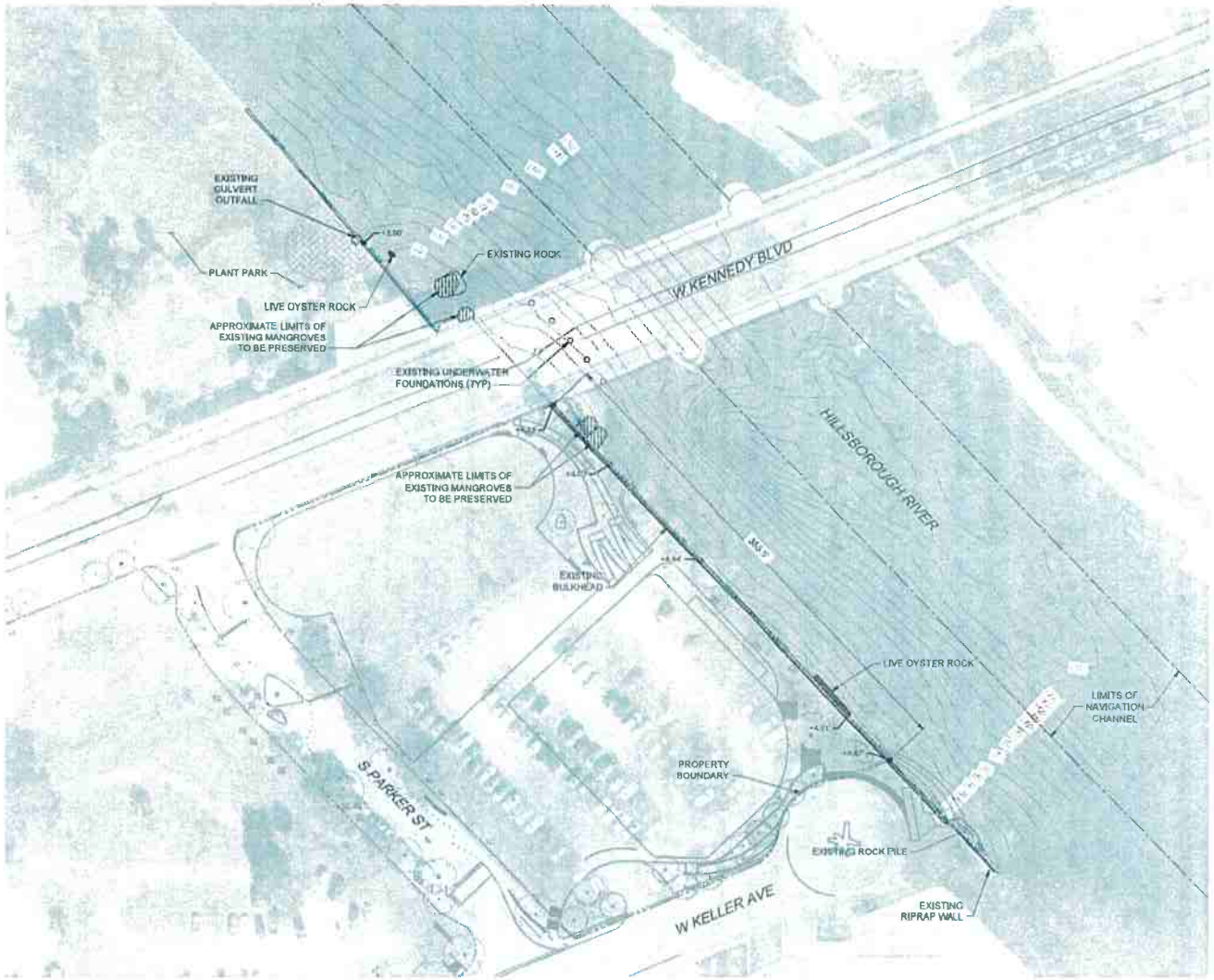
OVERALL SITE PLAN

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-265-8818
REGISTRY NO. 00006697
WWW.MOFFATTNICHOL.COM

SEAL

Sheet Reference No.
G-101
INDEX: 3 OF 14

File: C:\1741\2\93230 CADD_Admin_Waterfront\2022_G-101 Plotted: 8/29/2024 8:07 AM by: SMITH, [illegible]



PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

EXISTING CONDITIONS PLAN

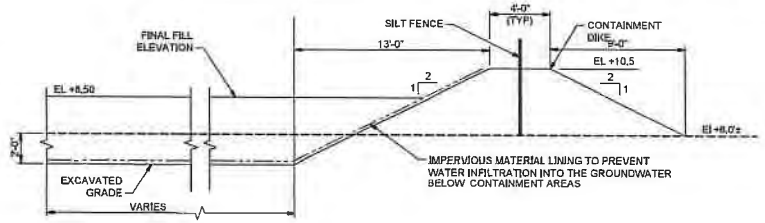
moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-364-8816
REGISTRY NO. 0004827
WWW.MOFFATTNICHOL.COM

SEAL

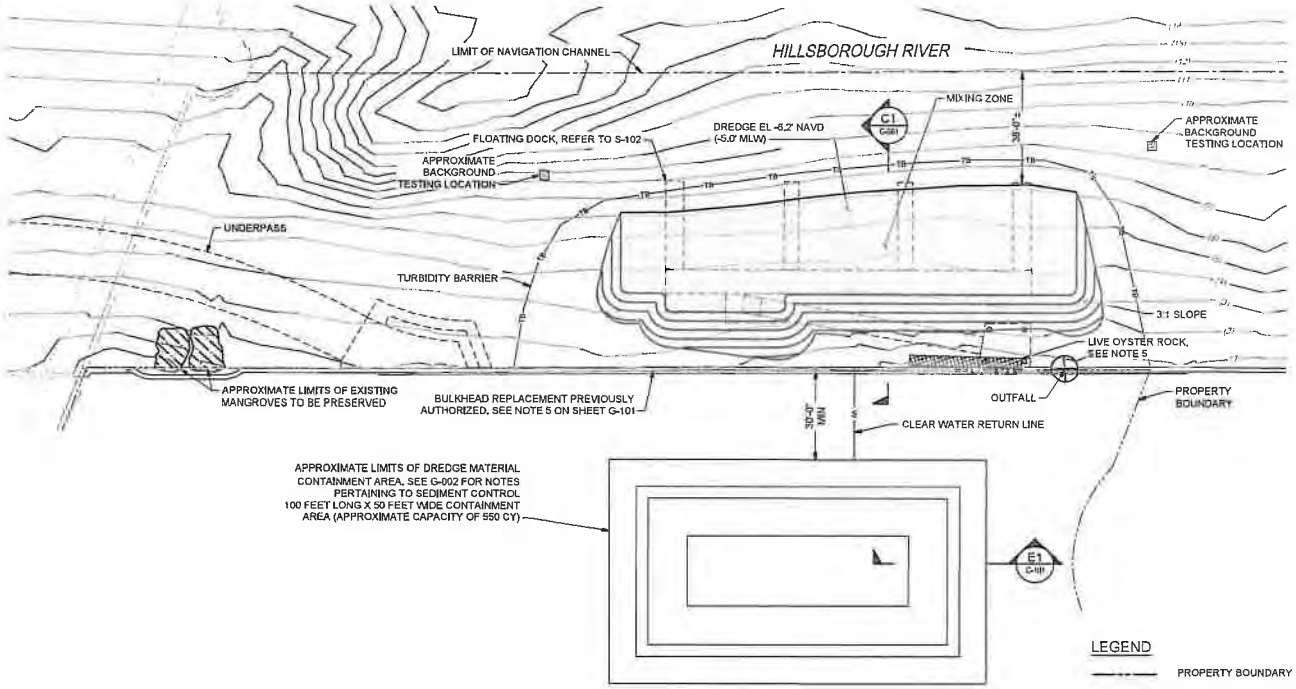
Sheet Reference No.
V-101

INDEX 4 OF 14

File: C:\TAS\262200 CADD_Sahel_Interest permit\262202_V-101 / Plotted: 8/23/2024 8:37 AM by: SMITH, TAYLOR (MEC) / Saved: 8/23/2024 8:37 AM by: SMITH, TAYLOR (MEC)



E1 C-101 SECTION - CONTAINMENT AREA
SCALE: 1/4"=1'-0"



NOTE: LIVING SHORELINE NOT SHOWN FOR CLARITY

B2 C-101 DREDGING PLAN
SCALE: 1"=20'

N

NOTES:

1. LOCATION AND FINAL DIMENSIONS OF CONTAINMENT AREA IS APPROXIMATE. CONTRACTOR TO CONFIRM LOCATION AND FINAL DIMENSIONS ON-SITE BASED ON UPLAND AVAILABILITY AND DREDGING RATES.
2. DREDGED MATERIAL WILL BE PLACED ON SITE IN A CONTAINMENT AREA TO ENABLE DRYING. AFTER DRYING, EXCAVATED MATERIAL WILL BE TAKEN TO THE PROPER WATE MANAGEMENT FACILITY FOR DISPOSAL. MAXIMUM STACKING HEIGHT FOR CONTAINMENT AREA IS 10 FEET.
3. MAXIMUM ALLOWABLE OVERDREDGE DEPTH IS 1'-0".
4. REFER TO SHEET G-101 FOR QUANTITIES.
5. AVOID DAMAGING LIVE OYSTER ROCK DURING DREDGING.

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION
- (8) CONTOUR LINE
- APPROXIMATE DREDGE AREA
- 18 TURBIDITY BARRIER
- W CLEAR WATER RETURN LINE

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

4	PERMIT	07-29-24	
3	100% SUBMITTAL	07-03-24	
2	90% SUBMITTAL	06-10-24	
1	60% SUBMITTAL	04-26-24	
No.	Description	Date	By

RIVERWALK DISTRICT WATERFRONT

DREDGING PLAN

Date	2024-07-29
Job No.	23033
Drawn By	RES
Checked By	TC
Drawing Sub.	
Drawing Date	
Scale	AS NOTED

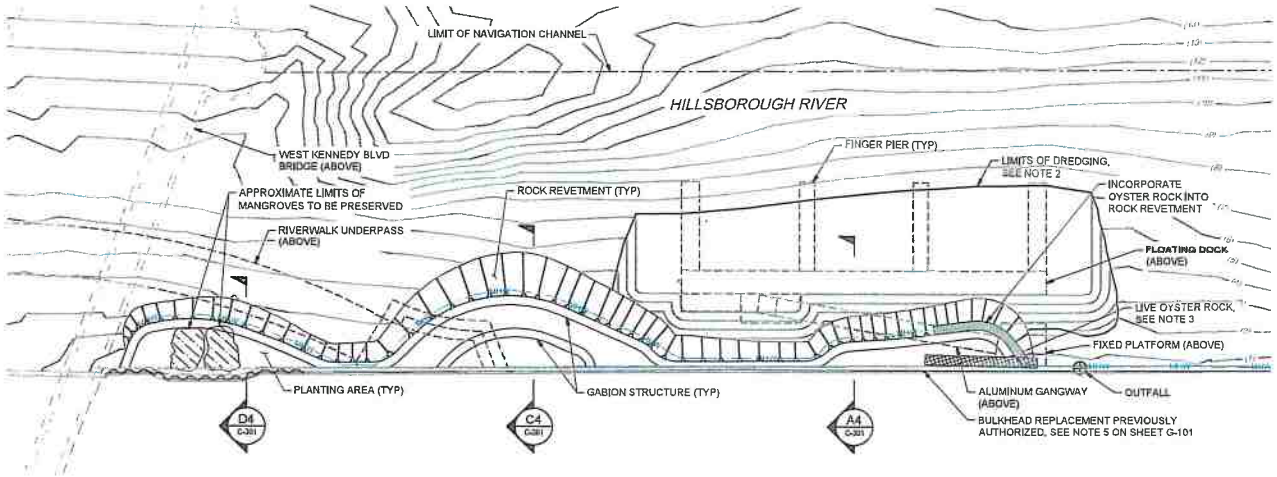
moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-254-8818
REGISTRY NO. 0000497
WWW.MOFFATTNICHOL.COM

SEAL

Sheet Reference No.
C-101
INDEX: 5 OF 14

File: C:\TAS\23232\R20 CADD\ Active\ Waterfront permit\23232_C-101 - Permit 6-03-2024 8.07 AM by SMITH, KAYLA (KAYLA.SMITH@MOFFATTNICHOL.COM).dwg

37



B2 LIVING SHORELINE PLAN
SCALE: 1"=20'

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.
2. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.
3. LIVE OYSTER ROCK AREAS SHALL BE PRESERVED BY SHIFTING THE LIVE OYSTER ROCKS OUT OF THE LIVING SHORELINE FOOTPRINT, AND THEN INCORPORATING THEM INTO THE ROCK REVETMENT OF THE LIVING SHORELINE.

LEGEND

- (8) CONTOUR LINE
- MHW MEAN HIGH WATER LINE
- NAVIGATION CHANNEL LINE

SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

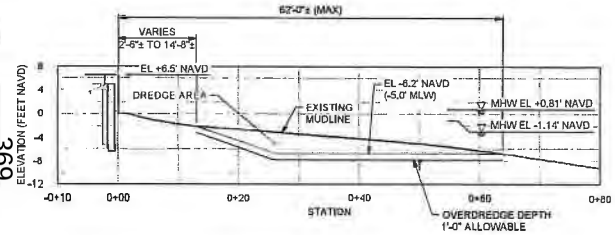
LIVING SHORELINE PLAN

Sheet Reference No. C-102

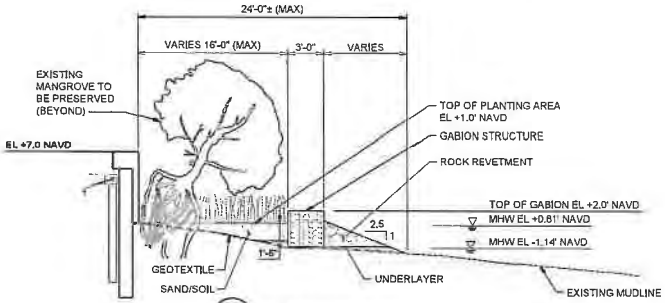
INDEX: 8 OF 14

368

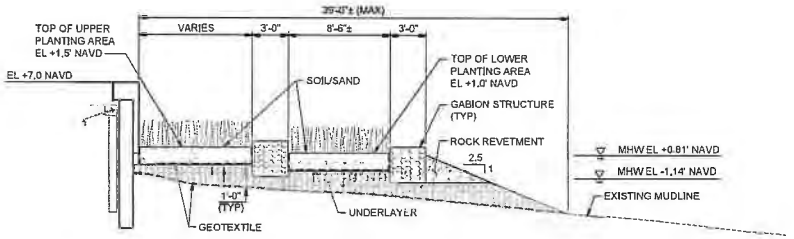
SAS-2022-2530



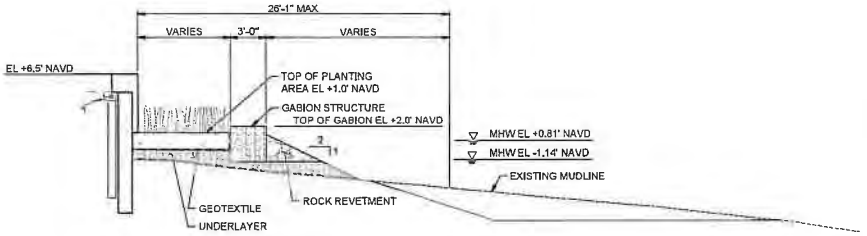
C1 C-101 DREDGING SECTION
SCALE: 1"=10'



D4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'



C4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'



A4 C-102 LIVING SHORELINE SECTION
SCALE: 1"=5'

LEGEND

- SAND/SOIL
- UNDERLAYER
- GABION STRUCTURE
- ROCK REVETMENT
- EXISTING GROUND
- DREDGE AREA

10' 0' 10' 20'
SCALE: 1"=10'

5' 0' 5' 10'
SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

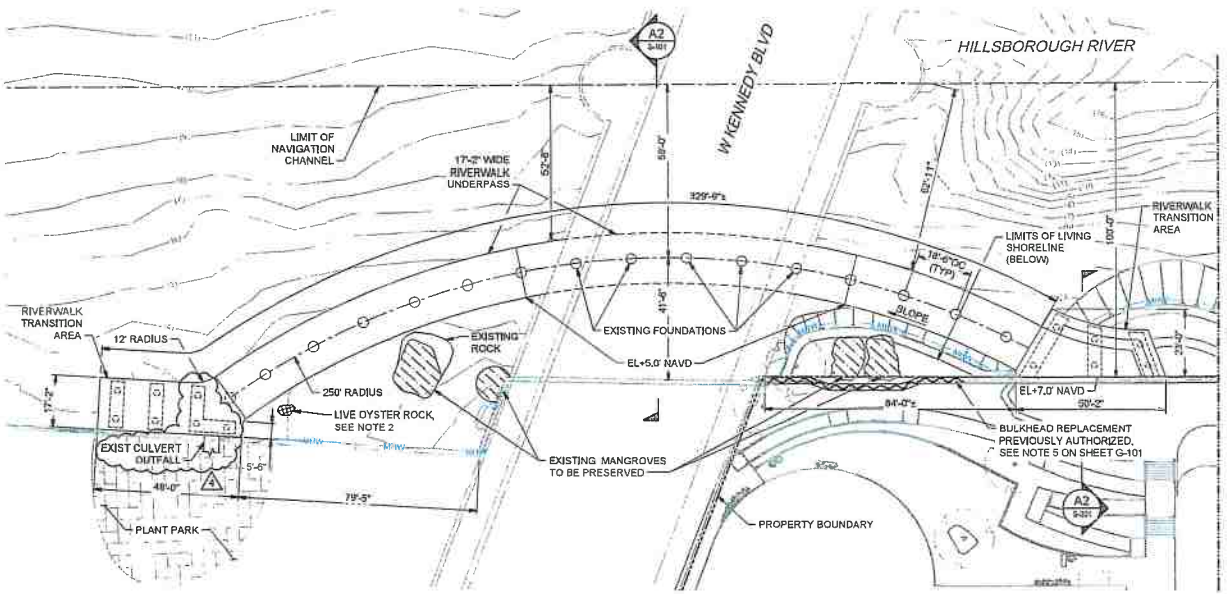
RIVERWALK DISTRICT WATERFRONT

DREDGING AND LIVING SHORELINE SECTIONS

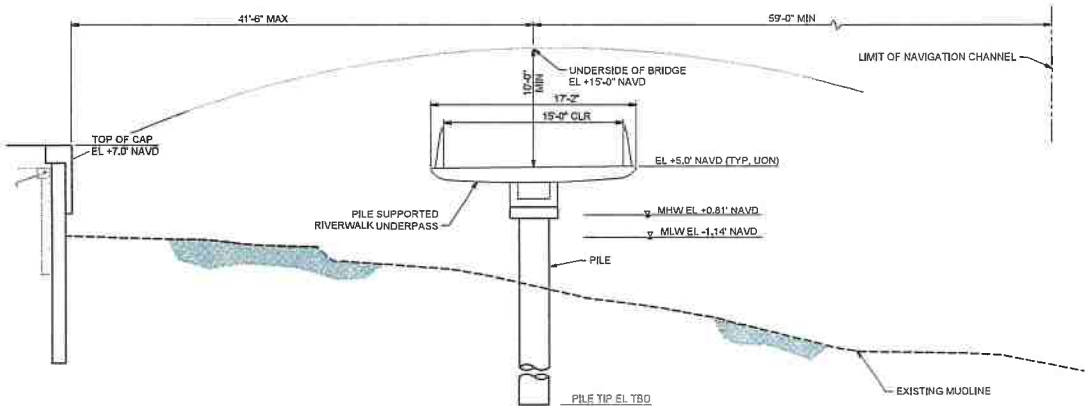
501 E KENNEDY BLVD SUITE 1510
TAMPA, FL 33602
813-205-8516
REGISTRY NO. 00001977
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
C-301
INDEX: 7 OF 14

File: Q:\TAD\2022\20 CADD_Active_riverfront permit\2022_C-301 Plotted: 8/23/2024 9:07 AM by: Smith, Kelly



C2 G-101 RIVERWALK UNDERPASS PLAN
SCALE: 1"=20'



A2 S-101 RIVERWALK UNDERPASS SECTION
SCALE: 1"=5'

NOTES:

1. REFER TO SHEET G-101 FOR QUANTITIES.
2. LIVE OYSTER ROCK SHALL BE PRESERVED BY SHIFTING THE ROCK LOCATION OUT OF THE FOOTPRINT OF THE RIVERWALK.

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- MANGROVE CANOPY
- PILE

20' 0' 20' 40'
SCALE: 1"=20'

5' 0' 5' 10'
SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

No.	Description	Date
1	PERMIT	2024-07-29
2	PERMIT SET	2024-08-26
3	PERMIT SET	2024-09-27
4	PERMIT SET	2024-10-25

RIVERWALK DISTRICT WATERFRONT

RIVERWALK UNDERPASS PLAN AND SECTION

Date: 2023-03-29
Project No.: 23022
Drawn by: TC
Check: CJL
Survey: LES
Approved: NJD
Consultant: STANLEY PC
Drawing Scale: 1"=20' (11"x17")

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

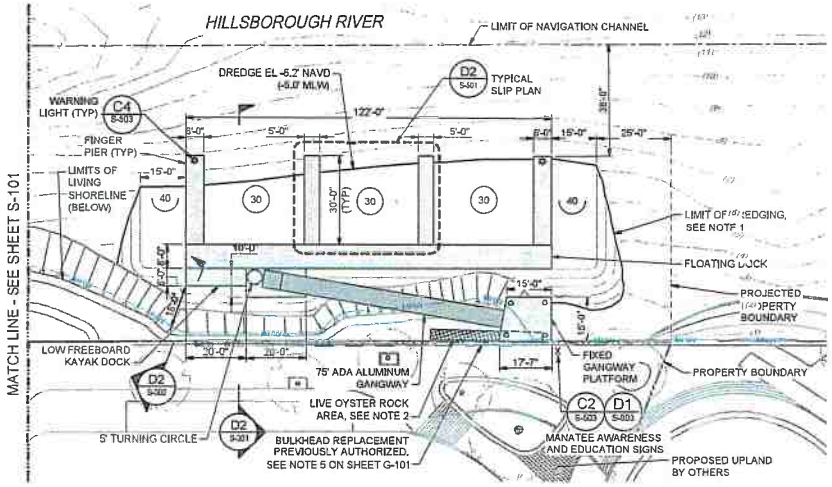
SEAL

Sheet Reference No.
S-101
INDEX: 8 OF 14

370

SAVED: 8/26/2024 10:25:58 AM

File: C:\TAMP\2023\D\C4D_Admin_interface_permit\23022_S-101_Plotted: 8/26/2024 10:58 AM by SMITH, TONY



B2 S-101 FLOATING DOCK PLAN
SCALE: 1"=20'

NOTES:

1. BATHYMETRIC CONTOURS SHOWN REPRESENT THE POST DREDGING CONDITION.
2. LIVE OYSTER ROCK AREAS SHALL BE PRESERVED BY SHIFTING THE LIVE OYSTER ROCKS OUT OF THE STRUCTURE FOOTPRINT, THEN INCORPORATING THEM INTO THE LIVING SHORELINE STRUCTURE. SEE SHEET C-102.

SLIP MIX	
SIZE	NO.
30'	6
40'	2
TOTAL	8

LEGEND

- PROPERTY BOUNDARY
- LIMITS OF NAVIGATION CHANNEL
- (8) CONTOUR LINE
- 30 DOUBLE SLIP + SIZE
- 40 SIDE-TIE SLIP + SIZE
- MHW MEAN HIGH WATER LINE
- WARNING LIGHT

20' 0' 20' 40'
SCALE: 1"=20'

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

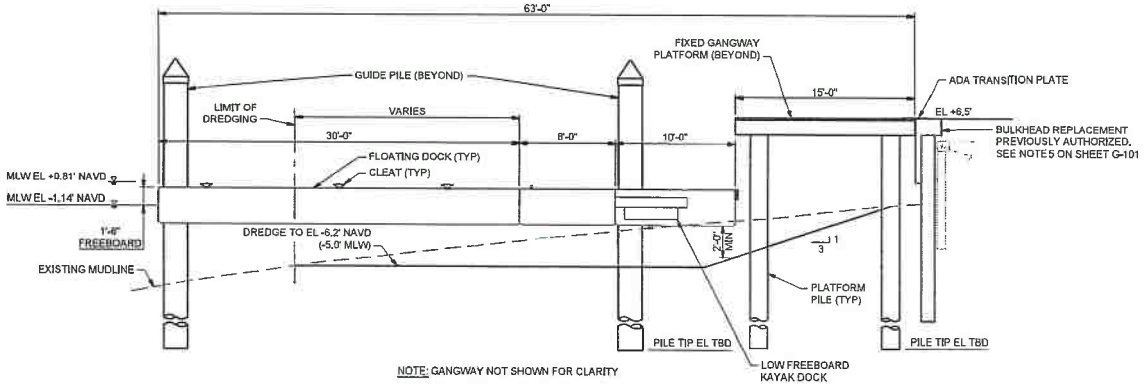
RIVERWALK DISTRICT WATERFRONT

FLOATING DOCK PLAN

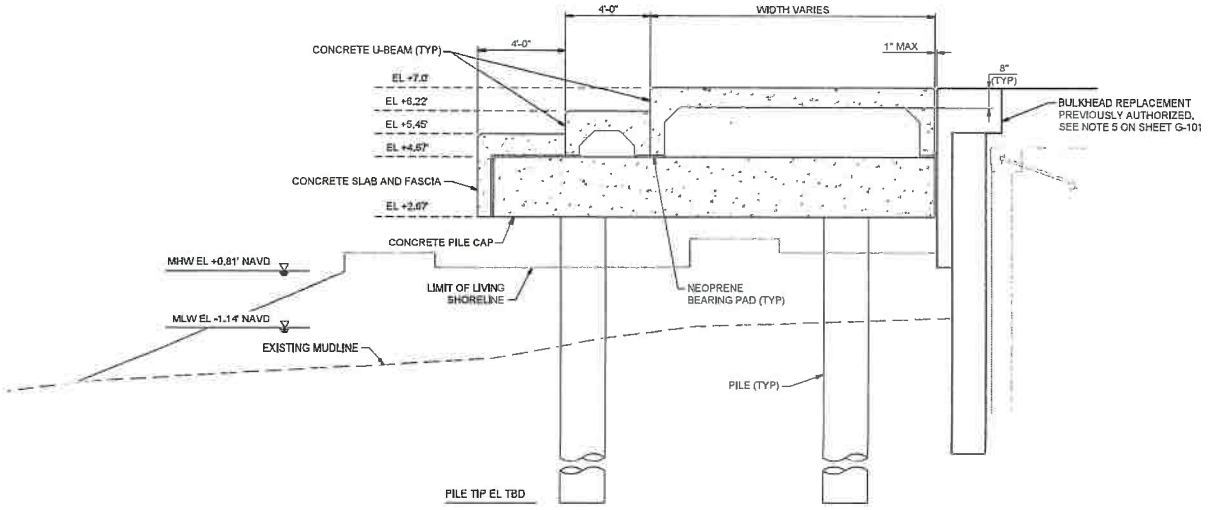
Sheet Reference No.
S-102
INDEX: 9 OF 14

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-0818
REGISTRY NO. 0004887
WWW.MOFFATTNICHOL.COM

File: C:\TEMP\20220209 CADD_Active_waterfront permit\20220209_S-102_Plotted: 8/29/2024 9:48 AM by: Smith, Tom



D2 S-103 FLOATING DOCK SECTION
SCALE: 1"=5'



NOTE: SAFETY RAILING NOT SHOWN, TYPE TO BE SPECIFIED BY ARCHITECTURAL DRAWINGS

A2 S-101 RIVERWALK TRANSITION SECTION
SCALE: 1/2"=1'-0"

5' 0' 5' 10'
SCALE: 1"=5'

2' 0'-0" 2' 4'
SCALE: 1/2"=1'-0"

PERMIT DRAWINGS
ISSUED: 2024-07-29

DRAWING SCALES SHOWN BASED ON 22"X34" DRAWING

RELATED

RIVERWALK DISTRICT WATERFRONT

TYPICAL DOCK AND TRANSITION AREA SECTIONS

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-286-8518
REGISTRY NO. 00004877
WWW.MOFFATTNICHOL.COM

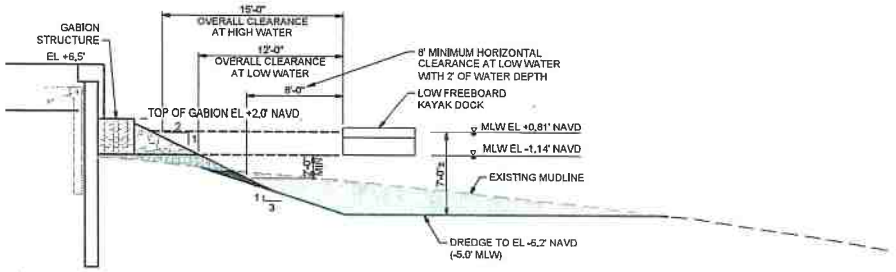
Designed by: TC
Drawn by: CML
Checked by: RBS
Date: 2024-03-29
Project No. 23022
Drawing No.
Submitted by: MOFFATT & NICHOL
Revised by: TBD
Date: TBD (REVISED)
No. 1

SEAL

Sheet Reference No.
S-301
INDEX: 10 OF 14

372

File: C:\TAD\23022\320 CADD_Active_waterfront permit\23022_S-301 - Plotted: 8/26/2024 8:08 AM by: SMITH, ROBERT (Last Saved By: SMITH, ROBERT)



D2 S-101 SECTION - LIVING SHORELINE AND DOCKS
SCALE: 1"=5'

SCALE: 1"=5'

PERMIT DRAWINGS
ISSUED: 2024-07-29

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

RELATED

No.	Description	Date
1	PER RAI	2024-08-06

RIVERWALK DISTRICT
WATERFRONT

DOCK AND LIVING
SHORELINE SECTION

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813.224.8862
REGISTRY NO. 0000497
WWW.MOFFATTNICHOL.COM

Project Mgr: TC
Design: CJM
Drawn By: RES
Checked By: JNG
Submitted By: NICOLE SWAYZE
Date: 2024-07-29
Job No.: 25232
Drawing Scale: AS NOTED

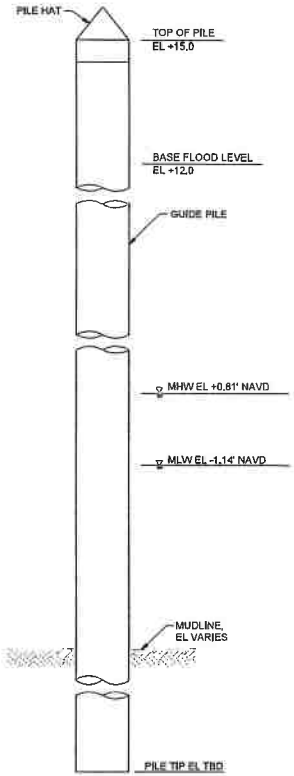
SEAL

Sheet Reference No.
S-302

INDEX: 11 OF 14

SAC 2022-0276 Received 8/28/2024

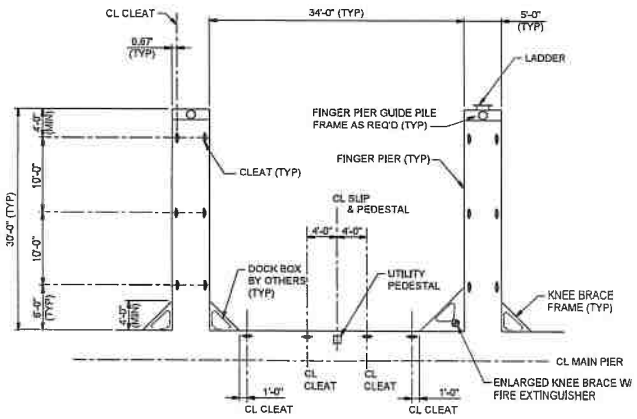
File: C:\TAS\2022\2276 CADD_Active_waterfront permit\2022_S-302 Plotted: 8/28/2024 8:09 AM by SMITH, KAYLA



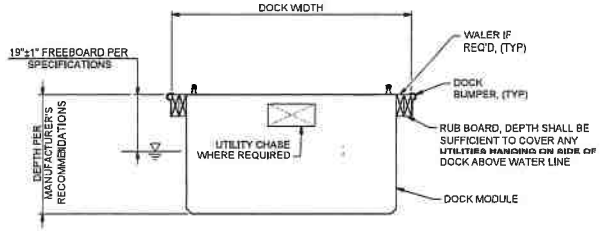
GUIDE PILE NOTE:

THE GUIDE PILE LENGTHS, NUMBERS, LOCATIONS, SIZE, AND WALL THICKNESS SHALL BE BASED ON THE PILE DESIGN REQUIREMENTS. DOCK MANUFACTURER'S ENGINEER OF RECORD SHALL DETERMINE THE SIZE, LENGTH AND LOCATIONS OF GUIDE PILES.

A1 / S-501 DETAIL - GUIDE PILE
SCALE: 3/4" = 1'-0"



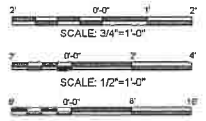
D2 / S-103 TYPICAL SLIP PLAN
SCALE: 1/8" = 1'-0"



NOTES:

1. DOCK MODULE CONNECTION SYSTEM SHALL BE DETERMINED BY DOCK MANUFACTURER IN ACCORDANCE WITH SPECIFICATIONS.

A3 / S-501 SECTION - FLOATING DOCK
SCALE: 1/2" = 1'-0"



PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT
WATERFRONT

FLOATING DOCK DETAILS

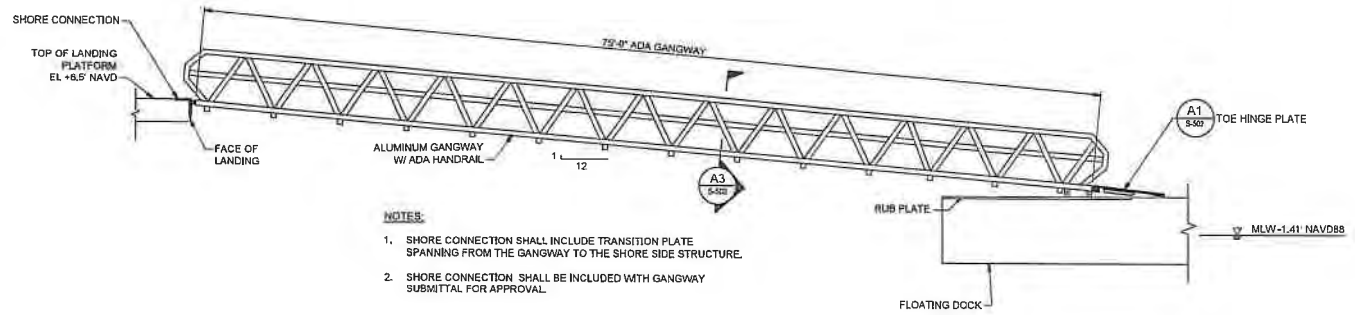
No.	Description	Date
1	PERMIT SET	2024-07-29

Sheet Reference No.
S-501

INDEX: 12 OF 14

501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-354-4810
REGISTRY NO. 00004917
WWW.MOFFATTNICHOL.COM

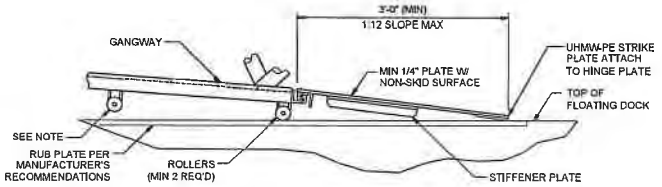
File: O:\PJ\23\23220.C.COI_Level_waterfront permit\23220_S-501 - Plotted: 8/30/2024 8:38 AM by: SMITH, KEVIN



NOTES:

1. SHORE CONNECTION SHALL INCLUDE TRANSITION PLATE SPANNING FROM THE GANGWAY TO THE SHORE SIDE STRUCTURE.
2. SHORE CONNECTION SHALL BE INCLUDED WITH GANGWAY SUBMITTAL FOR APPROVAL.

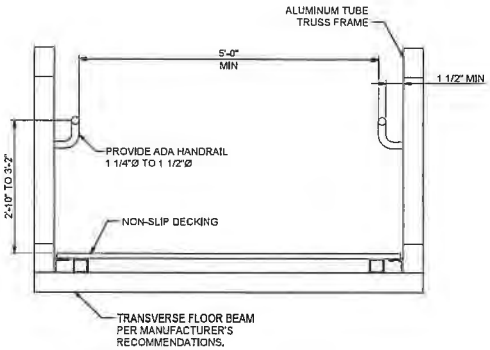
D1 S-502 ELEVATION - TYPICAL GANGWAY
SCALE: 1/4"=1'-0"



NOTE:

CONTRACTOR SHALL PROVIDE A SECONDARY ROLLER/SUPPORT TO ACCOMMODATE HIGH WATER EVENTS.

A1 S-502 DETAIL - TOE HINGE PLATE
SCALE: 3/4"=1'-0"



A3 S-502 SECTION - ALUMINUM GANGWAY
SCALE: 1"=1'-0"

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

7'-0" 0'-0" 1'-0" 2'-0"
SCALE: 3/4"=1'-0"

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

GANGWAY DETAILS

Date: 2024-07-29
Designed by: TC
Drawn by: CMS
Approved by: JMC
Submitted by: NICOLE EWAY, PE
LIC. NO. 0082466
34 OF 34 14 OF 14 SHEETS

moffatt & nichol
501 E KENNEDY BLVD SUITE 1010
TAMPA, FL 33602
813-256-8116
REGISTRY NO. 00004977
WWW.MOFFATTNICHOL.COM

SEAL

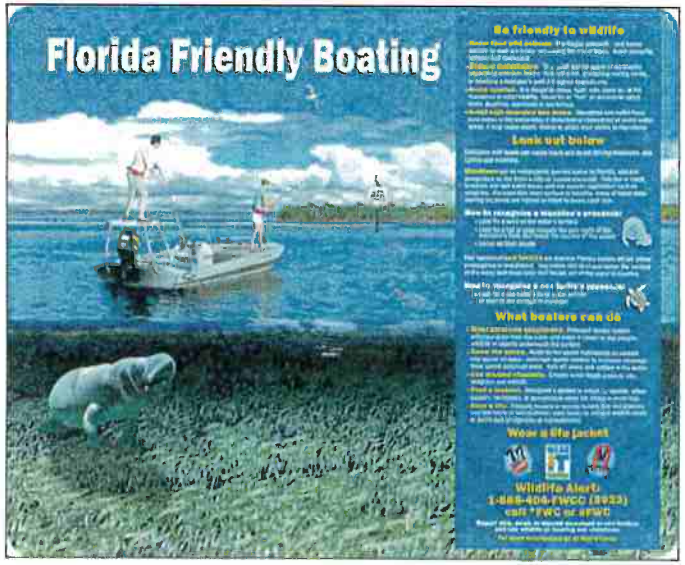
Sheet Reference No.
S-502
INDEX: 13 OF 14

File: C:\TA\2023230 CADD_Active_waterfront permit\240722_S-502.dwg Plotted: 8/23/2024 8:08 AM by SMITH, KAT | Xrefs: (..\Xrefs\Site Plan.dwg) (..\Xrefs\Site Plan.dwg)

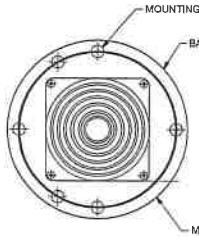
375



D1 S-102 MANATEE AWARENESS SIGN
SCALE: NTS

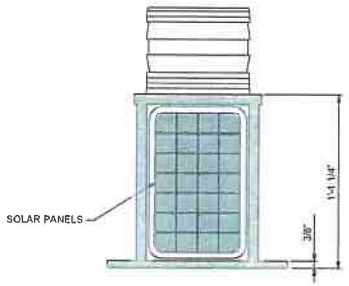


C2 S-102 MANATEE EDUCATION SIGN
SCALE: NTS



TOP VIEW

MOUNT BEACON LIGHT ATOP 12"Ø PILE WITH GALVANIZED LAG BOLTS. PRIOR TO PLACEMENT, COVER PILE WITH ALUMINUM OR GALVANIZED METAL CAP. MOUNT ATOP PILE AND APPLY SEALANT.



SIDE VIEW

C4 S-102 DETAIL - WARNING LIGHT
SCALE: NTS

PERMIT DRAWINGS
ISSUED: 2024-07-29

RELATED

RIVERWALK DISTRICT WATERFRONT

AIDS TO NAVIGATION AND SIGN DETAILS

moffatt & nichol
501 E KENNEDY BLVD SUITE 1910
TAMPA, FL 33602
813-258-8818
REGISTRY NO. 00004927
WWW.MOFFATTNICHOL.COM

Sheet Reference No.
S-503
INDEX: 14 OF 14

376

File: D:\TAL\2022\22220 CADD\ Active\ Hollisfield Family\2022_S-503 - Permit 6-28-2024 9:55 AM by SMITH, KYLE (KYLE.SMITH@MOFFATTNICHOL.COM)

CESAJ-EN 12 August 2024

MEMORANDUM FOR Chief, Regulatory Division

SUBJECT: Tampa Riverwalk, 102 South Parker St, SAJ-2022-02585

1. Reference Regulatory Division email dated 19 January 2024, requesting Engineering Division review the permit package for SAJ-2022-02585, Tampa Riverwalk, 102 South Parker St, 408 Request 2023-0181. The applicant proposes to construct a pedestrian underpass walkway, a public use floating dock facility, and a living shoreline along the Tampa Riverwalk waterfront. Work consists of installation of 44, 12.75-inch steel pilings by vibratory hammer, removal of 368 cubic yards of dredged material within a 7,841 square foot area surrounding the dock to provide a two-foot bottom clearance for vessel use and plantings including a geotextile permeable bottom layer to help contain the soil above the mudline to allow for better survivorship of planted needle rush and saltmarsh cordgrass plantings. One or two gabion structures will be installed waterward of the planting area to provide a permanent wave attenuation structure, to protect plants, and reduce erosion in the planting areas, and a 3-foot by 3-foot permeable, monolithic gravity mass rock revetment will be installed along the most waterward portion of the living shoreline to provide wave attenuation and erosion control.

2. Engineering Division does not object to the issuance of the permit and approves the request for SAJ-2022-02585, Tampa Riverwalk, 102 South Parker St, 408 Request 2023-0181, as referenced herein, as the proposed meets SAJ criteria and will not impact the federal project.

3. Approval of these modifications to the Hillsborough River Federal Navigation Channel Project is in accordance with 33 U.S.C. 408. It also complies with the National Environmental Policy Act as the proposed modifications were previously analyzed in the Department of Army Permit SAJ-2022-02585.

4. The applicant shall comply with Engineering Circular 1165-2-220, dated 10 September 2018, Policy and Procedural Guidance for Processing Requests to Alter U.S. Army Corps of Engineers Civil Works Projects Pursuant to 33 U.S.C. 408, Appendix K, Standard Terms and Conditions (enclosed) and the time limit for completing the work authorized in Department of Army Permit SAJ-2022-02585. The applicant is responsible for quality control for performance of the work and for ensuring these actions do not interfere with the functioning of the Hillsborough River Federal Navigation Channel Project. Documentation of the completed work must be furnished to USACE after completion of the work for our records, per the Standard Terms and Conditions (enclosed).

5. If you have any questions, please feel free to contact the Engineering Division POC Josinell Serrano Canals at 904-232-1112 or by email to josinell.m.serrano-canals@usace.army.mil.

BOROCHANER.LAUREEN.A.1229042080 Digitally signed by BOROCHANER.LAUREEN.A.1229042080 Date: 2024.08.12 18:30:14 -04'00'

Laureen A. Borochaner, P.E.
Chief, Engineering Division

Enclosure

STANDARD TERMS AND CONDITIONS[1]

LIMITS OF THE AUTHORIZATION

1. This permission only authorizes you, the requester, to undertake the activity described herein under the authority provided in Section 14 of the Rivers and Harbors Act of 1899, as amended (33 U.S.C. 408). This permission does not obviate the need to obtain other federal, state, or local authorizations required by law. This permission does not grant any property rights or exclusive privileges, and you must have appropriate real estate instruments in place prior to construction and/or installation.
2. The time limit for completing the work authorized is as referenced in the main approval letter. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the permit date is reached.
3. Without prior written approval of the USACE, you must neither transfer nor assign this permission nor sublet the premises or any part thereof, nor grant any interest, privilege, or license whatsoever in connection with this permission. Failure to comply with this condition will constitute noncompliance for which the permission may be revoked immediately by USACE.
4. The requester understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration of the work herein authorized, or if, in the opinion of the Secretary of the Army or an authorized representative, said work will cause unreasonable conditions and/or obstruction of USACE project authorized design, the requester will be required upon due notice from the USACE, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim can be made against the United States on account of any such removal or alteration.

INDEMNIFICATION AND HOLD HARMLESS

5. The United States will in no case be liable for:
   a. any damage or injury to the structures or work authorized by this permission that may be caused or result from future operations undertaken by the United States, and no claim or right to compensation will accrue from any damage; or
   b. damage claims associated with any future modification, suspension, or revocation of this permission.
6. The United States will not be responsible for damages or injuries which may arise from or be incident to the construction, maintenance, and use of the project requested by you, nor for damages to the property or injuries to your officers, agents, servants, or employees, or others who may be on your premises or project

[1] EC 1165-2-220, Policy and Procedural Guidance for Processing Requests to Alter US Army Corps of Engineers Civil Works Projects Pursuant to 33 USC 408, Appendix K, 10 SEP 2018

work areas or the federal project(s) rights-of-way. By accepting this permission, you hereby agree to fully defend, **indemnify**, and **hold harmless** the United States and USACE from any and all such claims, subject to any limitations in law. Any damage to the water resources development project or other portions of any federal project(s) resulting from your activities must be repaired at your expense.

REEVALUATION OF PERMISSION

7. The determination that the activity authorized by this permission would not impair the usefulness of the federal project and would not be injurious to the public interest was made in reliance on the information you provided.
8. This office, at its sole discretion, may reevaluate its decision to issue this permission at any time circumstances warrant, which may result in a determination that it is appropriate or necessary to modify or revoke this permission. Circumstances that could require a reevaluation include, but are not limited to, the following:
   a. you fail to comply with the terms and conditions of this permission;
   b. the information provided in support of your application for permission proves to have been inaccurate or incomplete; or
   c. significant new information surfaces which this office did not consider in reaching the original decision that the activity would not impair the usefulness of the water resources development project and would not be injurious to the public interest.

CONDUCT OF WORK UNDER THIS PERMISSION

9. You are responsible for implementing any requirements for mitigation, reasonable and prudent alternatives, or other conditions or requirements imposed as a result of environmental compliance.
10. Work/usage allowed under this permission must proceed in a manner that avoids interference with the inspection, operation, and maintenance of the federal project.
11. In the event of any deficiency in the design or construction of the requested activity, you are solely responsible for taking remedial action to correct the deficiency.
12. The right is reserved to the USACE to enter upon the premises at any time and for any purpose necessary or convenient in connection with government purposes, to make inspections, to operate and/or to make any other use of the lands as may be necessary in connection with government purposes, and you will have no claim for damages on account thereof against the United States or any officer, agent or employee thereof.
13. You must provide copies of pertinent design, construction, and/or usage submittals/documents. USACE may request that survey and photographic documentation of the alteration work and the impacted project area be provided before, during, and after construction and/or installation.
14. You may be required to perform an inspection of the federal project with the USACE, prior to your use of the structure, to document existing conditions.

15. USACE shall not be responsible for the technical sufficiency of the alteration design nor for the construction and/or installation work.
16. You must schedule a final inspection with the Jacksonville District within 60 days after completion of the work.
17. You must submit documentation of the completed work to USACE within 90 days after completion of the work showing the new work as it relates to identifiable features of the federal project. This documentation must include a certification that the work was completed in accordance with the approved plans and specifications, GPS readings for the limits of the work performed, electronic "as-built" drawings, and the date the work was started and completed.

APPENDIX K

Standard Terms and Conditions

This appendix includes the standard conditions that must be included in all Section 408 approval notifications, except where marked as optional. Use of optional conditions should be based on scope and scale of the approved activity:

LIMITS OF THE AUTHORIZATION

1. This permission only authorizes you, the requester, to undertake the activity described herein under the authority provided in Section 14 of the Rivers and Harbors Act of 1899, as amended (33 USC 408). This permission does not obviate the need to obtain other federal, state, or local authorizations required by law. This permission does not grant any property rights or exclusive privileges, and you must have appropriate real estate instruments in place prior to construction and/or installation.
2. The time limit for completing the work authorized ends on _____. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached. Addressed in the 408 approval letter or 408 EN Memo.
3. Without prior written approval of the USACE, you must neither transfer nor assign this permission nor sublet the premises or any part thereof, nor grant any interest, privilege or license whatsoever in connection with this permission. Failure to comply with this condition will constitute noncompliance for which the permission may be revoked immediately by USACE.
4. The requester understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration of the work herein authorized, or if, in the opinion of the Secretary of the Army or an authorized representative, said work will cause unreasonable conditions and/or obstruction of USACE project authorized design, the requester will be required upon due notice from the USACE, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim can be made against the United States on account of any such removal or alteration.

INDEMNIFICATION AND HOLD HARMLESS

5. The United States will in no case be liable for:
   a. any damage or injury to the structures or work authorized by this permission that may be caused or result from future operations undertaken by the United States, and no claim or right to compensation will accrue from any damage; or
   b. damage claims associated with any future modification, suspension or revocation of this permission.

6. The United States will not be responsible for damages or injuries which may arise from or be incident to the construction, maintenance, and use of the project requested by you, nor for damages to the property or injuries to your officers, agents, servants, or employees, or others who may be on your premises or project work areas or the federal project(s) rights-of-way. By accepting this permission, you hereby agree to fully defend, **indemnify,** and **hold harmless** the United States and USACE from any and all such claims, subject to any limitations in law.
7. Any damage to the water resources development project or other portions of any federal project(s) resulting from your activities must be repaired at your expense.

REEVALUATION OF PERMISSION

8. The determination that the activity authorized by this permission would not impair the usefulness of the federal project and would not be injurious to the public interest was made in reliance on the information you provided.
9. This office, at its sole discretion, may reevaluate its decision to issue this permission at any time circumstances warrant, which may result in a determination that it is appropriate or necessary to modify or revoke this permission. Circumstances that could require a reevaluation include, but are not limited to, the following:
    a. you fail to comply with the terms and conditions of this permission;
    b. the information provided in support of your application for permission proves to have been inaccurate or incomplete; or
    c. significant new information surfaces which this office did not consider in reaching the original decision that the activity would not impair the usefulness of the water resources development project and would not be injurious to the public interest.

CONDUCT OF WORK UNDER THIS PERMISSION

10. You are responsible for implementing any requirements for mitigation, reasonable and prudent alternatives, or other conditions or requirements imposed as a result of environmental compliance.
11. Work/usage allowed under this permission must proceed in a manner that avoids interference with the inspection, operation, and maintenance of the federal project.
12. In the event of any deficiency in the design or construction of the requested activity, you are solely responsible for taking remedial action to correct the deficiency.
13. The right is reserved to the USACE to enter upon the premises at any time and for any purpose necessary or convenient in connection with government purposes, to make inspections, to operate and/or to make any other use of the lands as may be necessary in connection with government purposes, and you will have no claim for damages on account thereof against the United States or any officer, agent or employee thereof.

14. You must provide copies of pertinent design, construction, and/or usage submittals/documents. USACE may request that survey and photographic documentation of the alteration work and the impacted project area be provided before, during, and after construction and/or installation.
15. You may be required to perform an inspection of the federal project with the USACE, prior to your use of the structure, to document existing conditions.
16. USACE shall not be responsible for the technical sufficiency of the alteration design nor for the construction and/or installation work.
17. (optional, at the discretion of the district) Once permission is granted, you must notify the USACE District at least ( ) days before work/usage is started so that post- permission over sight can be performed by USACE.
18. (optional, at the discretion of the district) You must schedule a final inspection with the USACE within ( ) days after completion of the work/usage.
19. (optional, at the discretion of the district) You must submit a copy of "as-built" drawings within ( ) days of completion of work showing the new work as it relates to identifiable features of the federal project. Included in the 408 approval letter.

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE
U.S. Fish and Wildlife Service

March 23, 2021

The eastern indigo snake protection/education plan (Plan) below has been developed by the U.S. Fish and Wildlife Service (USFWS) in Florida and Georgia for use by applicants and their construction personnel. At least **30 days prior** to any clearing/land alteration activities, the applicant shall notify the appropriate USFWS Field Office via e-mail that the Plan will be implemented as described below (North Florida Field Office: jaxregs@fws.gov; South Florida Field Office: verobeach@fws.gov; Panama City Field Office: panamacity@fws.gov; Georgia Field Office: gaes_assistance@fws.gov). As long as the signatory of the e-mail certifies compliance with the below Plan (including use of the attached poster and brochure), no further written confirmation or approval from the USFWS is needed and the applicant may move forward with the project.

If the applicant decides to use an eastern indigo snake protection/education plan other than the approved Plan below, written confirmation or approval from the USFWS that the plan is adequate must be obtained. At least 30 days prior to any clearing/land alteration activities, the applicant shall submit their unique plan for review and approval. The USFWS will respond via e-mail, typically within 30 days of receiving the plan, either concurring that the plan is adequate or requesting additional information. A concurrence e-mail from the appropriate USFWS Field Office will fulfill approval requirements.

The Plan materials should consist of: 1) a combination of posters and pamphlets (see **Poster Information** section below); and 2) verbal educational instructions to construction personnel by supervisory or management personnel before any clearing/land alteration activities are initiated (see **Pre-Construction Activities** and **During Construction Activities** sections below).

POSTER INFORMATION

Posters with the following information shall be placed at strategic locations on the construction site and along any proposed access roads (a final poster for Plan compliance, to be printed on 11 x 17in or larger paper and laminated, is attached):

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet in length. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. Frequently, they have orange to coral reddish coloration in the throat area, yet some specimens have been reported to only have cream coloration on the throat.

These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

SIMILAR SNAKES: The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY: The eastern indigo snake occurs in a wide variety of terrestrial habitat types throughout Florida and Georgia. Although they have a preference for uplands, they also utilize some wetlands and agricultural areas and often move seasonally between upland and lowland habitats, particularly in the northern portions of its range (North Florida and Georgia). Eastern indigo snakes will often seek shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Reliance on xeric sandhill habitats throughout the northern portion of the range in northern Florida and Georgia is due to the dependence on gopher tortoise burrows for shelter during winter. Breeding occurs during October through February. Females may lay from 4 - 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTION UNDER FEDERAL AND STATE LAW: The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. Taking of eastern indigo snakes is prohibited by the Endangered Species Act without a permit is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of $25,000 for civil violations and up to $50,000 and/or imprisonment for criminal offenses, if convicted.

Only individuals currently authorized through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, to handle an eastern indigo snake are allowed to do so.

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and allow the live eastern indigo snake sufficient time to move away from the site without interference;
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes. Â
- Immediately notify supervisor or the applicants designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- If the snake is located in a vicinity where continuation of the clearing or construction activities will cause harm to the snake, the activities must halt until such time that a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Cease clearing activities and immediately notify supervisor or the applicants designated agent, **and** the appropriate USFWS office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

Telephone numbers of USFWS Florida Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

North Florida Field Office: (904) 731-3336
Panama City Field Office: (850) 769-0552
South Florida Field Office: (772) 562-3909
Georgia Field Office: (706) 613-9493

PRE-CONSTRUCTION ACTIVITIES

1. The applicant or designated agent will post educational posters in the construction office and throughout the construction site, including any access roads. The posters must be clearly visible to all construction staff. A sample poster is attached.

2. Prior to the onset of construction activities, the applicant/designated agent will conduct a meeting with all construction staff (annually for multi-year projects) to discuss identification of the snake, its protected status, what to do if a snake is observed within the project area, and applicable penalties that may be imposed if state and/or federal regulations are violated. An educational brochure including color photographs of the snake will be given to each staff member in attendance and additional copies will be provided to the construction superintendent to make available in the onsite construction office (a final brochure for Plan compliance, to be printed double-sided on 8.5 x 11in paper and then properly folded, is attached). Â Photos of eastern indigo snakes may be accessed on USFWS and/or FWC or GADNR websites.

3. Construction staff will be informed that in the event that an eastern indigo snake (live or dead) is observed on the project site during construction activities, all such activities are to cease until the established procedures are implemented according to the Plan, which includes notification of the appropriate USFWS Field Office. The contact information for the USFWS is provided on the referenced posters and brochures.

DURING CONSTRUCTION ACTIVITIES

1. During initial site clearing activities, an onsite observer may be utilized to determine whether habitat conditions suggest a reasonable probability of an eastern indigo snake sighting (example: discovery of snake sheds, tracks, lots of refugia and cavities present in the area of clearing activities, and presence of gopher tortoises and burrows).

2. If an eastern indigo snake is discovered during gopher tortoise relocation activities (i.e. burrow excavation), the USFWS shall be contacted within one business day to obtain further guidance which may result in further project consultation.

3. Periodically during construction activities, the applicants designated agent should visit the project area to observe the condition of the posters and Plan materials, and replace them as needed. Construction personnel should be reminded of the instructions (above) as to what is expected if any eastern indigo snakes are seen.

POST CONSTRUCTION ACTIVITIES

Whether or not eastern indigo snakes are observed during construction activities, a monitoring report should be submitted to the appropriate USFWS Field Office within 60 days of project completion. The report can be sent electronically to the appropriate USFWS e-mail address listed on page one of this Plan.



ATTENTION

Federally-Threatened Eastern Indigo Snakes may be present on this site!

Killing, harming, or harassing eastern indigo snakes is strictly prohibited and punishable under State and Federal Law.

If you see a LIVE eastern indigo snake on the site:

- Do NOT attempt to touch or handle the snake. Stop land disturbing activities and allow the snake time to move away from the site without interference.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor/applicant, and a U.S. Fish and Wildlife Service (USFWS) Ecological Services Field Office, with the location information and condition of the snake.
- If the snake is located near clearing or construction activities that will cause harm to the snake, the activities must pause until a representative of the USFWS returns the call (within one day) with further guidance.

If you see a DEAD eastern indigo snake on the site:

- Stop land disturbing activities and immediately notify supervisor/applicant, and a USFWS Ecological Services Field Office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

DESCRIPTION. The eastern indigo snake is one of the largest non-venomous snakes in North America, reaching up to 8 ft long. Named for the glossy, blue-black scales above and slate blue below, they often have orange to reddish color (cream color in some cases) in the throat area. They are not typically aggressive and will try to crawl away when disturbed.

SIMILAR SPECIES. The black racer resembles the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

LIFE HISTORY. Eastern indigo snakes live in a variety of terrestrial habitat types. Although they prefer uplands, they also use wetlands and agricultural areas. They will shelter inside gopher tortoise burrows, other animal burrows, stumps, roots, and debris piles. Females may lay from 4 to 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTED STATUS. The eastern indigo snake is protected by the USFWS, Florida Fish and Wildlife Conservation Commission, and Georgia Department of Natural Resources. Any attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage eastern indigo snakes is prohibited by the U.S. Endangered Species Act. Penalties include a maximum fine of $25,000 for civil violations and up to $50,000 and/or imprisonment for criminal offenses. Only authorized individuals with a permit (i.e., Recovery [10a1A] or HCP ITP [10a1B]), or an Incidental Take Statement associated with a USFWS Biological Opinion may handle an eastern indigo snake.

Please contact your nearest USFWS Ecological Services Field Office if a live or dead eastern indigo snake is encountered:

Jacksonville, FL, (904) 731-3336
Panama City, FL, (850) 769-0552
Vero Beach, FL, (772) 562-3909
Athens, GA, (706) 613-9493

If you see a LIVE eastern indigo snake on the site:

- Cease clearing activities and allow the eastern indigo snake sufficient time to move away from the site without interference.
- Personnel must NOT attempt to touch or handle snake due to protected status.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor or the applicant's designated agent, and the appropriate U.S. Fish and Wildlife Service (USFWS) office, with information regarding the location and condition of the snake.
- If the snake is in a vicinity where clearing or construction activities will cause harm to the snake, the activities must be paused until a representative of the USFWS returns the call (within one day) with further guidance as to when activities may resume.

If you see a DEAD eastern indigo snake on the site:

- Cease clearing activities and immediately notify the supervisor or designated applicant/agent, and the USFWS Field Office (see below for contact information), with the location and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

USFWS Ecological Services Field Offices to be contacted if a live or dead eastern indigo snake is encountered:

Jacksonville Office: (904) 731-3336
Panama City Office: (850) 769-0552
Vero Beach Office: (772) 562-3909
Georgia Office: (912) 403-1873

Description. The eastern indigo snake is one of the largest non-venomous snakes in North America, with individuals often reaching up to 8 feet long. They derive their name from the glossy, blue-black color of their scales above and uniformly slate blue below. They often have orange to reddish coloration in the throat area, yet some may only have cream coloration on the throat. These snakes are not typically aggressive and will attempt to crawl away when disturbed. Though indigo snakes rarely bite, they should NOT be handled.

Similar Species. The black racer is the only other solid black snake resembling the eastern indigo snake. However, black racers have a white or cream chin, thinner bodies, and WILL BITE if handled.

Life History. The eastern indigo snake occurs in a variety of terrestrial habitats. Although they prefer uplands, they also use wetlands and agricultural areas. Eastern indigo snakes will often take shelter inside gopher tortoise burrows and other below- and above-ground refugia, such as other animal burrows, stumps, roots, and debris piles. Females may lay from 4 to 12 white eggs as early as April through June, with young hatching in late July through October.

SAJ-2022-02585 (SP-MAM)

Killing, harming, or harassing indigo snakes is strictly prohibited and punishable under State and Federal Law.

Only individuals currently authorized to handle an eastern indigo snake through an issued Incidental Take Statement in association with a USFWS Biological Opinion, or by a Section 10(a)(1)(A) permit issued by the USFWS, are allowed to do so.

Legal Status. The eastern indigo snake is classified as a Threatened species by both the USFWS and the Florida Fish and Wildlife Conservation Commission. "Taking" of eastern indigo snakes is prohibited by the Endangered Species Act without a permit. "Take" is defined by the USFWS as an attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage in any such conduct. Penalties include a maximum fine of $25,000 for civil violations and up to $50,000 and/or imprisonment for criminal offenses, if convicted.

ATTENTION:

THREATENED **EASTERN INDIGO SNAKES** MAY BE PRESENT ON THIS SITE!



Photo: Dirk Stevenson

Please read the following information provided by the U.S. Fish and Wildlife Service on standard protection measures for the eastern indigo snake.

EXHIBIT #25 - SWPA 23-044 - PUBLIC HEARING

25185

Tampa Bay Times

Published Daily

STATE OF FLORIDA} ss
COUNTY OF HILLSBOROUGH County

Before the undersigned authority personally appeared Deirdre Bonett who on oath says that he/she is a Legal Advertising Representative of the Tampa Bay Times a daily newspaper printed in St. Petersburg, in Hillsborough County, Florida that the attached copy of advertisement being a Legal Notice in the matter Application #23-044 was published in said newspaper by print in the issues of 02/23/25 or by publication on the newspaper's website, if authorized.

Affiant further says that the website or newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes. Affiant further says the said Tampa Bay Times is a newspaper published in Hillsborough County, Florida and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida each day and has been entered as a second class mail matter at the post office in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he/she neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Signature of Affiant _____
Sworn to and subscribed before me this **02/23/2025**

Signature of Notary of Public
Personally known **X** or produced identification.
Type of identification produced _____

Notary Public State of Florida
Judy Allen
My Commission HH 302167
Expires 8/17/2026

PORT TAMPA BAY
NOTICE OF PUBLIC HEARING

Notice is hereby given of a public hearing to be held on March 17, 2025 at 2:00 p.m. before the Tampa Port Authority, d/b/a Port Tampa Bay at its offices located at 1101 Channelside Drive, Tampa, Florida 33602, to hear public comments regarding the following:

Port Tampa Bay Standard Work Permit Application #23-044 Submitted by RD RWD Tampa, LLC Trustee for the Riverwalk District Waterfront Project For Construction of Floating Private Multi-Family Residential Multi-Slip Docking Facility With 8 Boat Slips & Kayak Launch, Maintenance Dredge, Construction of Gabion & Rip-Rap Living Shoreline Structure Area, And Construction of Pile Supported Riverwalk Underpass Walkway Located At 102 S. Parker Street & SR-60, Tampa, FL; Hillsborough River; Within City of Tampa

The permit application is on file and available for inspection at PTB offices from 8:30 a.m. until 12:00 noon and from 1:00 p.m. to 5:00 p.m., Monday through Friday (except holidays). Additional information is available online at www.tampaport.com. All written comments and objections directed toward the foregoing matter should be filed with Port Tampa Bay, Environmental Department, at 1101 Channelside Drive, Tampa, Florida 33602 by 12:00 p.m. (noon) on March 16, 2025. Oral comments and objections may be presented at the hearing.

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing should call (813) 905-5031 or fax (813) 905-5029 not later than 48 hours prior to the hearing.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH A PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

February 23, 2025 25185

SUBJECT: **STANDARD WORK PERMIT APPLICATION #25-013 - TAMPA PORT AUTHORITY ENGINEERING DEPARTMENT - PROPOSED CONSTRUCTION OF BERTH 301 LOCATED AT 6059 DIANA TOLEDO ALMEIDA ROAD, GIBSONTON, FLORIDA, PORT REDWING CHANNEL**

BACKGROUND:

Port Tampa Bay (PTB) Engineering Department (Applicant) has applied for a Standard Work Permit to the PTB Environmental Department for a marine construction project to construct a berth which will be known as Berth 301 and will be used for the on and offloading of product and materials for Port Tampa Bay's tenants located on Port Redwing.

The project site is located at 6059 Diana Toledo Almeida Road, Gibsonton, Florida (Part of Folio #051449-0000) in the Port Redwing Channel within Unincorporated Hillsborough County. The project has been assigned Standard Work Permit Application No. 25-013 which includes construction of an approximately 100-foot wide by 500-foot long marginal wharf with sheet pile bulkhead and placement of approximately 40,170 cubic yards of backfill material.

FACTS/COMMENTS:

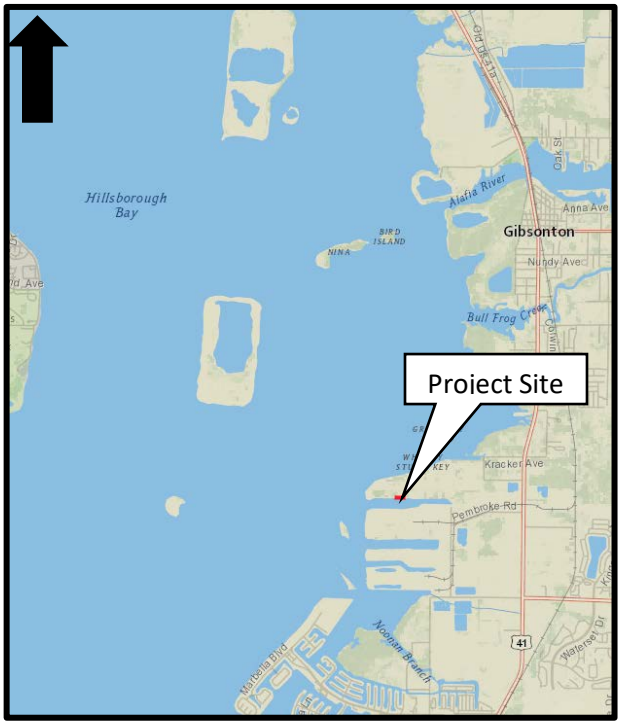
The project has received recommendations for approval from the Environmental Protection Commission (EPC) of Hillsborough County and has been deemed consistent with the Comprehensive Plan for Unincorporated Hillsborough County by the Hillsborough County City-County Planning Commission.

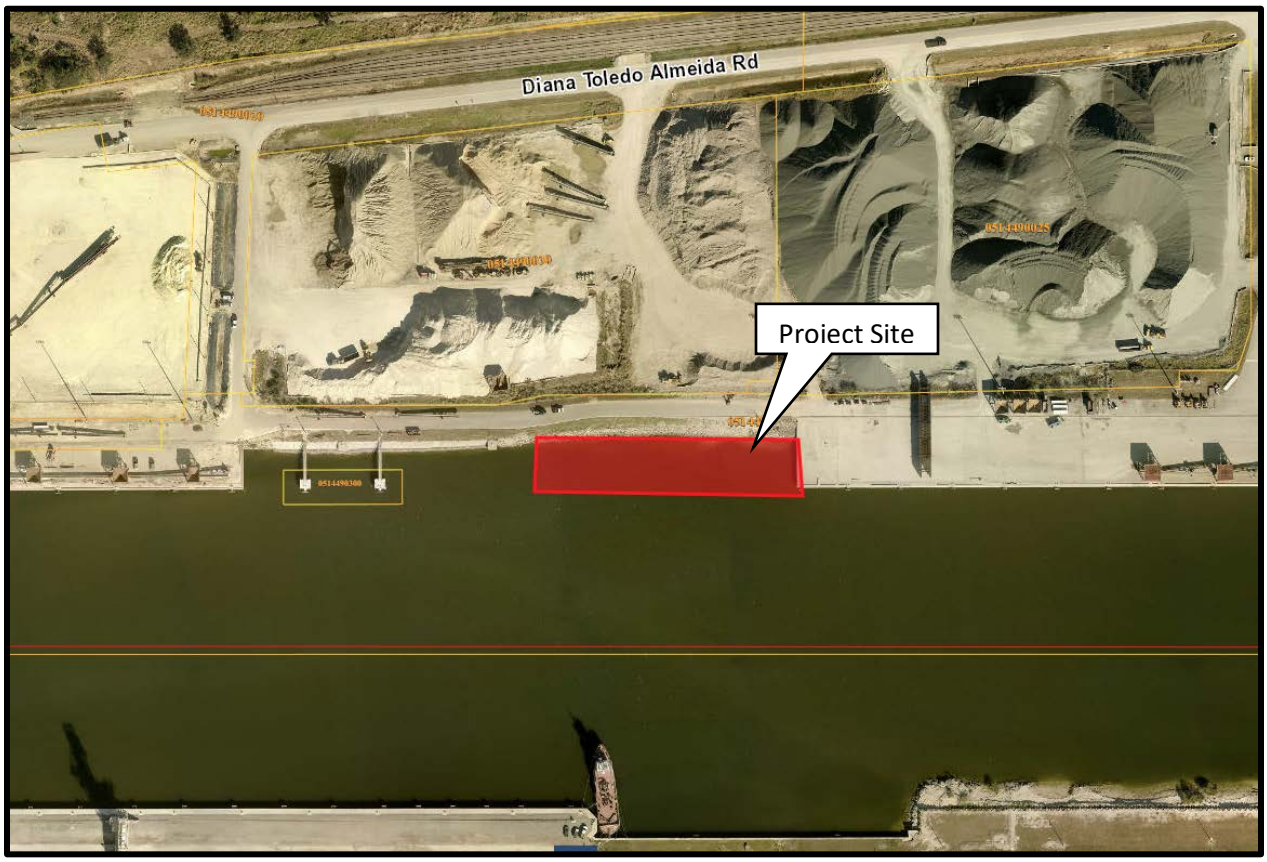
The project has received the Florida Department of Environmental Protection (FDEP) Individual Environmental Resource Permit No. 29-0199767-026-EI issued on September 2, 2025.

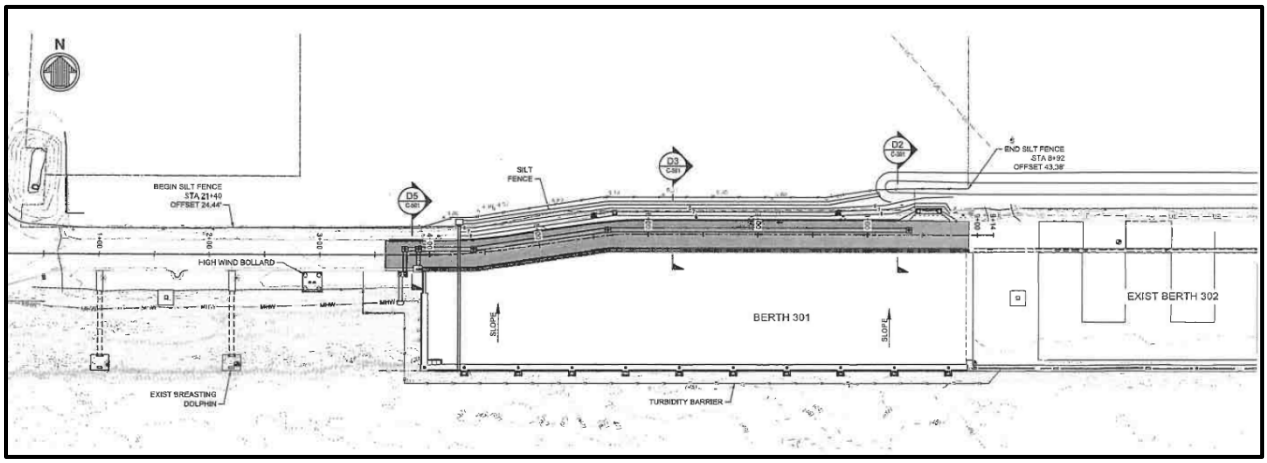
A public hearing was held on November 5, 2025 and there were no public comments.

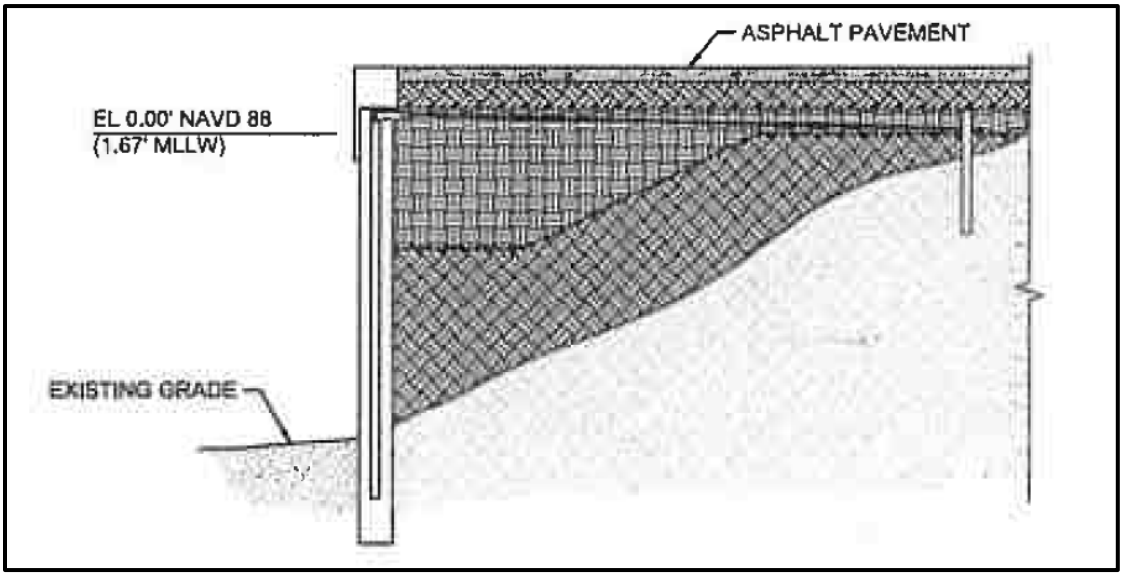
RECOMMENDATION:

Authorize the Port President/CEO, or his designee, to execute the Port Tampa Bay Standard Work Permit No. 25-013, subject to review by Port counsel.


Hillsborough Bay
Alafia River
Gibsonton
Anna Ave
Nundy Ave
Bull Frog Creek
Proiect Site
Kracker Ave
Pembroke Rd
41


Diana Toledo Almeida Rd
Proiect Site


N
BEGIN SILT FENCE
STA 21+40
OFFSET 24.44'
SILT
FENCE
END SILT FENCE
STA 8+92
OFFSET 43.38'
HIGH WIND BOLLARD
BERTH 301
EXIST BERTH 302
SLOPE
SLOPE
EXIST BREASTING
DOLPHIN
TURBIDITY BARRIER


ASPHALT PAVEMENT
EL 0.00' NAVD 88
(1.67' MLLW)
EXISTING GRADE

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602

Memorandum

To: A. Paul Anderson
President and CEO

CC: Charles Klug
Raul Alfonso

From: Craig Roberts

Date: November 10, 2025

Subject: Tampa Port Authority d/b/a Port Tampa Bay Standard Work Permit Application No. 25-013 for Berth 301 for the Tampa Port Authority – Engineering Department

This public hearing was held in accordance with procedures specified in Chapter 95-488, Laws of Florida. The subject public hearing was held before me on Wednesday, November 5, 2025 at 10:01 a.m. Attached is the transcription of the hearing along with copies of all exhibits.

Craig Roberts Date November 10, 2025
Craig Roberts
Hearing Officer

I hereby concur with the Hearing Officer's statement and recommend the President and CEO request approval by the Tampa Port Authority Board of Commissioners to approve Standard Work Permit No 25-013 for Berth 301.

Jackelyn Julien Date November 10, 2025
Jackie Julien
Environmental Project Manager II

Attachments

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PUBLIC HEARING TRANSCRIPT
November 5, 2025 at 10:01 a.m.

Tampa Port Authority d/b/a Port Tampa Bay
PTB Standard Work Permit Application No. 25-013 for Berth 301

ATTENDEES

Peter Owens – Applied Sciences
Preston Harris – Logistec Gulf Coast
Luke Kvapil – Logistec
Jose DeJesus – PTB
Patricia Villanti – PTB
Jessica Garnica – PTB
Ed Washington - PTB

HEARING OFFICER

Craig Roberts

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

MR. ROBERTS:

Good morning. Today is Wednesday, November 5, 2025 and this public hearing is called to order at 10:01 a.m. This hearing is held under the authority and pursuant to Chapter 95-488 of the Laws of Florida. The purpose of this hearing is to hear comments from the general public and interested parties regarding the following:

PORT TAMPA BAY STANDARD WORK PERMIT APPLICATION #25-013 FOR BERTH 301 FOR THE TAMPA PORT AUTHORITY - ENGINEERING DEPARTMENT

My name is Craig Roberts and I am employed by the Tampa Port Authority, doing business as Port Tampa Bay, and have been appointed by its Board of Commissioners to serve as a hearing officer at public hearings such as the one we are conducting today. Sitting beside me is Jackie Julien, Environmental Project Manager, who will present the summary and provisions for the permit for this project.

MRS. JULIEN:

The Tampa Port Authority Engineering Department, hereinafter referred to as "Port Tampa Bay", has applied to Port Tampa Bay's Environmental Department for a Standard Work Permit for a marine construction project which has been assigned Standard Work Permit No. 25-013. The project proposes construction of a berth which will be known as Berth 301 and will be used for the on and offloading of product and materials for Port Tampa Bay's tenants located on Port Redwing. The Berth 301 construction would consist of constructing an approximately 100 foot wide by 500 foot long marginal wharf with sheet pile bulkhead and placement of approximately 40,170 cubic yards of backfill material. The project engineering and environmental consulting firm for this project is Applied Sciences Consulting, Inc.

At this time, I would like to offer the following exhibits into the record:

Exhibit No. 1 – A copy of Port Tampa Bay Standard Work Permit Application Number 25-013 received on April 9, 2025.

Exhibit No. 2 – Copies of Port Tampa Bay Environmental Department's certified letters of notice dated August 1, 2025 with project information sent to the Environmental Protection Commission (EPC) of Hillsborough County Wetlands Division, the Planning Commission, the riparian property owners within the 1500 foot radius of the property and interested parties for review of the proposed project.

Exhibit No. 3 – A copy of Port Tampa Bay's Real Estate Department's comments received on August 4, 2025 stating the sovereign submerged lands are owned by the Port and site is associated with existing upland leases for tenant facilities.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Exhibit No. 4 – A copy of emailed comments received on August 5, 2025 from the Florida Department of Transportation stating no comments for this project.

Exhibit No. 5 – A copy of emailed comments received on August 25, Oops, pardon August 12, 2025 from the Florida Fish and Wildlife Conservation Commission (FWC) stating staff recommending six (6) conditions to the permit to satisfy their requirements.

Exhibit No. 6 – A copy of emailed comments received on August 13, 2025 from the Hillsborough County Real Estate Department stating no comments.

Exhibit No. 7 – A copy of emailed comments received on August 14, 2025 from the Tampa International Airport staff on behalf of the Florida Aviation Administration (FAA) stating no airport impacts identified for this marine construction project.

Exhibit No. 8 – A copy of emailed comments received on August 18, 2025 from the Hillsborough County Water Resources Department stating no water, wastewater, or reclaimed utilities within the limits of this project.

Exhibit No. 9 – A copy of Hillsborough County City-County Planning Commission resolution of this project dated September 8, 2025 indicating consistency with the *Unincorporated Hillsborough county Comprehensive Plan with referenced Goals, Objectives, and Policies.*

Exhibit No. 10 – A copy of the EPC Wetlands Management Division review comments letter dated September 10, 2025 stating no objection to the project with three (3) conditions of approval.

Exhibit No. 11 – Copy of the PTB updated wetland impact ledger and exhibits emailed to EPC Wetlands Division staff on September 29, 2025.

Exhibit No. 12 – A Copy of Port Tampa Bay Environmental Department's certified notice letters dated October 15, 2025 for the scheduled public hearing information for this project sent to the EPC Wetlands Division, the Planning Commission, the riparian property owners within the 1500 foot radius of the project and interested parties.

Exhibit No. 13 – A copy of the Public Hearing Notice along with the Publication Affidavit. The Public Hearing Notice was published in the October 15, 2025 issue of the Tampa Bay Times.

Exhibit No. 14 – A copy of the Florida Department of Environmental Protection (FDEP) Individual Environmental Resource Permit No. 29-0199767-026-EI issued on September 2, 2025.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Exhibit No. 15 – A copy of the U.S. Army Corps of Engineers Application No. SAJ-2002-03332-RSS Intent to issue permit dated October 24, 2025.

That is all.

MR. ROBERTS::

Thank you Mrs. Julien, the exhibits will be entered into the record as presented.

At this time we will take comments concerning this issue.

Are there any comments? Hearing none.

A transcript will be made and furnished to the Port Authority staff. The Staff will make a recommendation to our Board of Commissioners, which will meet on November 18, 2025. The staff recommendation will be available on November 12, 2025. If there is nothing else to come before this hearing, I declare this hearing closed at 11, sorry 10:07 a.m.

I, Craig Roberts, have read and approve the form of the attached transcript of the November 5, 2025 Public Hearing for Standard Work Permit No. 25-013 for Berth 301.

Dated on November 10, 2025.

Craig Roberts

Craig Roberts
Public Hearing Officer

SIGN-IN SHEET

PUBLIC HEARING FOR

SWPA 25-013 – Tampa Port Authority – Engineering Dept. (Berth 301)

Wednesday, November 5, 2025 @ 10:00 A.M.

PLEASE PRINT THE FOLLOWING INFORMATION

	YOUR NAME (Please print)	COMPANY NAME (Please print full company name)	COMPLETE COMPANY ADDRESS (Please print full company address)	Do you plan to comment?
1.	PETER OWENS	APPLIED SCIENCES	1000 N Ashley Dr. suite 500	NO.
2.	PRESTON HARRIS	LOGISTEC Gulf Coast	6011 Dana Toledo Alameda	NO
3.	LUKE KVAPIL	LOGISTEC		NO
4.	JOSE DE JESUS	PTB	1101 CHANNELSIDE	NO
5.	Patricia Villana	PTB	1101 Channelside Dr.	NO
6.	Jessica Garnica	PTB	1101 Channelside Dr	NO
7.	ED WASHBURN	PTB	1101 CHANNELSIDE DR	NO
8.				
9.				
10.				

401

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #1 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

APPLIED SCIENCES

April 9, 2025

Jackie Julien
Environmental Supervisor /
Environmental Dept. Tampa Port
Authority d/b/a Port Tampa Bay
1101 Channelside Dr.
Tampa, FL 33602

email: Jjulien@TAMPAPORT.COM

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

RE: Port Tampa Bay (PTB) – Berth 301 – PTB Standard Work Permit Application - Submittal Package

Dear Jackie,

Thank you for your guidance and recommendations for the preparation and submittal process for the Port Tampa Bay (PTB) - Berth 301 Standard Work Permit Application package. We are submitting the prepared Berth 301 permitting information as noted below. This letter and the first 6 Attachments are to be submitted both as hardcopy to the PTB Offices and electronic copy to the PTB Berth 301 Basecamp Site. The remaining Attachments will all be submitted electronically to the Basecamp site. The Berth 301 required fees for EPC and the Planning Commission will be paid by PTB.

For the Port Tampa Bay - Berth 301 PTB SWP Application Package Submittal, please find the following attachments:

- This Berth 301 Transmittal Letter: (hardcopy and electronic copy to PTB Basecamp).
- **Attachment 1- Berth 301 Project** – Port Tampa Bay – Standard Work Permit (SWP) Application – (signed hardcopy and electronic copy to PTB Basecamp).
- **Attachment 2 - Berth 301 Project** – Project Permit Plans – (signed and sealed hardcopy and electronic copy to PTB Basecamp).
- **Attachment 3- Berth 301 Project** – Project Narrative and Public Interest Test - (hardcopy and electronic copy to PTB Basecamp).
- **Attachment 4 - Berth 301 Project** – Project Stormwater Report – (signed and sealed hardcopy and electronic copy to PTB Basecamp).
- **Attachment 5 - Berth 301 Project** – Project Geotechnical Report – (signed and sealed hardcopy and electronic copy to PTB Basecamp).
- **Attachment 6 - Berth 301 Project** – TPA Fill Checklist – (hardcopy and electronic copy to PTB Basecamp).
- **Attachment 7- Berth 301 Project** - draft Environmental Assessment (EA) - 425 Pages - January 2024 - (electronic copy to PTB Basecamp).

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

- **Attachment 8 - Berth 301 Project** - NMFS Habitat Conservation Division – Concurrence Letter - (electronic copy to PTB Basecamp).
- **Attachment 9 - Berth 301 Project** - NMFS Protected Resources Division - Concurrence Letter - (electronic copy to PTB Basecamp).
- **Attachment 10 - Berth 301 Project** - State of Florida Clearing House (CZM, Florida Coastal Management Program, FWCC) - Consultation - (electronic copy to PTB Basecamp).
- **Attachment 11- Berth 301 Project** - Florida State Historic Preservation Officer (SHPO) - Consultation - (electronic copy to PTB Basecamp).
- **Attachment 12- Berth 301 Project -** Seminole Tribe of Florida- Tribal Historic Preservation Officer (THPO) - Consultation - (electronic copy to PTB Basecamp).
- **Attachment 13 - Berth 301 Project** - The Muscogee Nation - Consultation - (electronic copy to PTB Basecamp).
- **Attachment 14 - Berth 301 Project** – Project Legal Description - (electronic copy to PTB Basecamp).

Applied Sciences serves as the permit coordinator and contact for the Berth 301 Project Port Tampa Bay Permit on behalf of the Moffatt & Nichol team. The attached PTB Permit Application package was prepared through a collaboration of our team members on this project. If you have any questions or need any clarifications, please do not hesitate to contact me at (813) 228-0900 or at earaj@appliedfl.com.

Respectfully submitted,

Elie G. Araj, PE, CFM, ENV SP, D.WRE
Principal

Attachments:

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY
ENVIRONMENTAL DEPARTMENT
1101 Channelside Dr. Tampa, FL 33602
Ph: (813) 905-5031 · Fax: (813) 905-5050
www.tampaport.com

STANDARD WORK PERMIT APPLICATION TO PERFORM WORK IN WATERS OF THE HILLSBOROUGH COUNTY PORT DISTRICT

For Official Use Only: Application # 25 - 013 | Date Received:

☒ NEW ☐ PERMIT REVISION

SECTION I

1. **STANDARD WORK PERMIT APPLICATION** - Brief Project Description:

PTB Berth 301 is a new Berth proposed between Berths 300 and 302 at Port Redwing, Gibsonton FL. The footprint of the Berth 301 area was previously permitted and mitigated by USACE and FDEP. (Attachment 3 Project Narrative).

2. **APPLICANT INFORMATION**
First Name: Patrick Last Name: Blair, PE
Company Name/Title: Port Tampa Bay/Vice President of Engineering
Mailing Address: 1101 Channelside Drive
City: Tampa State: FL Zip Code: 33602
Telephone Number: (813) 905-5001
Email Address: PBlair@TampaPort.com

3. **PROPERTY OWNER(S) INFORMATION (IF DIFFERENT OR IN ADDITION TO APPLICANT)**
☐ *Check box if property owner is also a co-applicant*
First Name: Last Name:
Company Name/Title:
Mailing Address:
City: State: Zip Code:
Telephone Number:
Email Address:

4. **CO-APPLICANT INFORMATION (IF DIFFERENT OR IN ADDITION TO APPLICANT AND OWNER)**
First Name: Last Name:
Company Name/Title:
Mailing Address:
City: State: Zip Code:
Telephone Number:
Email Address:

5. **AUTHORIZED AGENT INFORMATION**
First Name: Elie Last Name: Araj, PE
Company Name/Title: Applied Sciences Consulting Inc./Principal
Mailing Address: 1000 N. Ashley Drive, Suite 500
City: Tampa State: FL Zip Code: 33602
Telephone Number: (813) 228-0900
Email Address: earaj@appliedfl.com and permitting@appliedfl.com

6. **CONTRACTOR INFORMATION**
First Name: TBD Last Name:
Company Name/Title:
Mailing Address:
City: State: Zip Code:
Telephone Number:
Email Address:

RECEIVED
APR 08 2025
ENVIRONMENTAL DEPT

25 - 013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SECTION II

1. LOCATION OF PROPOSED PROJECT

Site Street Address: 6059 Diana Toledo Almeida Rd.
City: Gibsonton State: FL Zip Code: 33534
Folio Number(s): Parcel ID - U-03-31-19-ZZZ-000001-73570.0
Section: 3,4 Township: 31 Range: 19
Name of Water Body at Project: Port Redwing -Tampa Bay

2. PROPOSED USE

☐ Private Single-Family Dwelling ☐ Private Multi-Family Dwelling (Condominium, Apartment, etc.)
☐ Commercial ☒ Other (explain): Industrial/Port Use

3. OWNER OF SUBMERGED LANDS: Port Tampa Bay

☐ ***Leased Port Property or Port Easement*** *(Check box if applicable and attach information.)*

4. PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:

Permit Number(s): Unknown Date: _____

5. PROJECT DESCRIPTION

NOTE: Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

A. STRUCTURES:

☒ NEW WORK ☐ MAINTENANCE ☐ ADDITION

1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK

a. Length of Shoreline: 502.88 Linear Ft.
b. Number of Proposed Docks: 1 No. of Boat Slips/Lifts: N/A / _____
c. Length from MHW to Waterward Edge of Structure: 61 Ft.
d. Width of Structure: Avg 100 Ft. Mooring Water Depth at M/OLW: -45.0 MLLW Ft.
e. Existing Structure Area: N/A Sq. Ft.
f. Proposed Structure Area: 53,200 Sq. Ft.
g. Overall Area of Facility: 67,954 Sq. Ft.

2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION:

a. Length of Shoreline at Site: _____ Linear Ft.
b. Length of Work Proposed Along Shoreline: _____ Linear Ft.
c. Seawall Vertical Height: _____ Ft.
d. Rip-Rap Slope: Horizontal Distance: _____ Ft.; Vertical Height: _____ Ft.
e. Type of Material: _____
f. Volume: _____ Cubic Ft. Below MHW/OHW

3) OTHER TYPE OF STRUCTURE: (Please Explain) Construction of one new high wind bollard. Landward of the MHW - (Please see Attachment 2 - Project Permit Plans and Attachment 3- Berth 301 Project Narrative)

For Utility Pipeline Projects: Refer to the Engineering Standards for Submerged Land Utility Crossing

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

B. DREDGING / EXCAVATION

☐ NEW WORK ☐ MAINTENANCE

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED:

a. Length: _____ Ft. Width: _____ Ft. ; Total Area: _____ Sq. Ft.

b. Depths: Existing _____ ; Proposed _____

c. Volume: Above MHW _____ ; Below MHW _____ ; Total _____ Cubic Ft.

d. Area: Above MHW _____ ; Below MHW _____ ; Total _____ Sq. Ft.

2) TYPE OF MATERIAL: _____

3) STORAGE OF MATERIAL: ☐ On-site Storage ☐ Off-site Disposal Site: _____

If material is to be taken off-site, describe the method of material storage, haul routes, and specify the location with an attached Affidavit of Authorization from the disposal site's property owner, as applicable to the project. Refer to the Dredge Checklist for additional guidance.

C. FILLING

1) VOLUME: Above MHW 11,820 cy ; Below MHW 27,050 cy ; Total 40,170 cy Cubic Ft.

2) AREA: Above MHW 15,200 sf ; Below MHW 38,000 sf ; Total 53,200 sf Sq. Ft.

3) CONTAINMENT: Seawall _____ Dikes _____ Other (explain): Bulkhead

4) TYPE OF MATERIAL: Clean Structural Fill

5) SOURCE OF MATERIAL: ☐ On-site ☐ Off-site: Contractor to determine

Refer to the Fill Checklist for material sampling requirements and other applicable information.

6. WORK SCHEDULE: To Begin Project On: _____ And Be Completed By: _____

REMARKS / COMMENTS FOR PROJECT:

Please see Attachment 3, The Berth 301 Project Narrative, which includes the Project Description, Project avoidance and minimization description, construction methodology and sequencing description, and the Project Public Interest Statement.

SECTION III

PROJECT SITE ADJACENT RIPARIAN PROPERTY OWNERS:
(Please include Name, Address, Telephone Number, and Email)

Tampa Port Authority
Owner Name(s)

Logistec Gulf Coast LLC
Company Name/ Title

1101 Channelside Dr. STE 400.
Mailing Address

Tampa, FL, 33602
City; State; Zip Code

(813)-905-5001/PBlair@TampaPort.com
Telephone Number/Email

Tampa Port Authority
Owner Name(s)

Logistec Gulf Coast LLC
Company Name/ Title

1101 Channelside Dr. STE 400.
Mailing Address

Tampa, FL, 33602
City; State; Zip Code

(813)-905-5001/PBlair@TampaPort.com
Telephone Number/Email

Provide mailing labels (property owner(s) name and physical mailing address) for each riparian property located within a 1,500 foot radius of the project site, pursuant to Section 25(d) of the TPA Enabling Act, Chapter 95-488.

25-013

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SECTION IV

AFFIDAVIT OF OWNERSHIP OR CONTROL of the property on which the proposed project is to be undertaken
I CERTIFY THAT: (**Must Check the Appropriate Box**)

☒ I am the record owner, lessee, or record easement holder of the property described below.

☐ I am not the record owner, lessee, or record easement holder of the property described below, but I will have the requisite property interest before undertaking the proposed project. (Please Explain in Remarks/Comments Section)

LEGAL DESCRIPTION OF PROJECT PROPERTY: (Use additional sheets, if necessary)
Please See Attachment 5 Berth 301 Project Area Description

Patrick Blair, PE
Print Name of Owner/Applicant

Signature of Owner/Applicant

Sworn to and subscribed before me at Hillsborough County, Florida, this 9 day of April 20 25

Notary Public State of Florida
Patricia M Villanti
My Commission HH 286736
Expires 7/12/2026

Patricia M. Villanti
Notary Public

7/12/2026
My Commission Expires

7. PUBLIC INTEREST STATEMENT

Accordingly, in the comment box provided below or attached narrative, describe how your proposed project is not contrary to the public interest based on the criteria outlined in Section II. D.1. of the Tampa Port Authority Submerged Lands Management Rules.

a. The decision to authorize the use of Jurisdictional Lands requires a determination that such use is not contrary to the public interest, except for lands within Aquatic Resource Protection Areas, in which case it must be determined that the use is in the public interest. In all cases it will be in the responsibility of the applicant to provide evidence as to the public interest impact of the proposed activity or use.

b. The public interest determination requires an evaluation of the probable impacts of the proposed activity on Jurisdictional Lands and the associated water body. All direct and indirect impacts related to the proposed activity as well as the cumulative effects of those impacts shall be taken into consideration. Relevant factors to be considered include: conservation, general environmental and natural resource concerns, wetlands values, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, aesthetics, economics, public health and safety, relative extent of the public need for the proposed use or activity, reasonable alternative locations and methods to accomplish the objective of the proposed use or activity, potential detrimental effects on the public uses to which the area is otherwise suited, the effect on cultural, scenic and recreational values, and the needs and welfare of the people.

COMMENT BOX:

Please see Attachment 3, the PTB Berth 301 Project Narrative, which includes the Project Description, Project avoidance and minimization description, construction methodology and sequencing description and the Berth 301 Project Public Interest Statement.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SECTION V

CERTIFICATION & AUTHORIZATION:

a. I authorize the agent listed in Section I to negotiate modifications or revisions, when necessary, and accept or assent to any stipulations on my behalf.

b. I understand I may have to provide any additional information/ data that may be necessary to provide reasonable assurance of evidence to show that the proposed project will comply with applicable water quality standards or other environmental standards both before construction and after the project is completed.

c. In addition, I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of making preliminary analyses of the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work, if a permit is granted.

d. Further, I hereby acknowledge the obligation and responsibility for obtaining all of the local, state and federal permits before commencement of any activity.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate and complete. I further certify that I possess the authority to undertake the proposed activity.

Signature of Owner/Applicant

4/9/25
Date

NOTE: **This application must be signed by the person who desires to undertake the proposed activity or by an authorized agent.** If an agent is applying on behalf of the applicant who is not the property owner, **attach proof of authorization from the property owner.**

PLEASE SUBMIT COMPLETED APPLICATION, REQUIRED DRAWINGS, AND FEE(S) TO:
TAMPA PORT AUTHORITY
ATTN: ENVIRONMENTAL DEPARTMENT
1101 CHANNELSIDE DR.
TAMPA, FL 33602

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Attachment 3 - Port Tampa Bay - Berth 301- Standard Work Permit Application- Project Narrative and Public Interest Statement

PROJECT DESCRIPTION, PURPOSE, AND NEED

The Berth 301 project will strengthen the Port's ability to import bulk aggregate imports by allowing three (3) 650-ft length overall (LOA) vessels to simultaneously berth at Port Red Wing's Berth 300, Berth 301, and Berth 302 facilities. Port Red Wing has grown substantially over the last year, and new tenants will be developing the final lease areas in the coming months to further increase the bulk aggregate imports. Additional berth area is required to facilitate this growth. This project has RAISE grant funding and is currently completing the NEPA application process. The project consists of the following work:

- Extending the existing Berth 302 steel combination-wall (combi-wall) bulkhead by 500-ft to the west. The structure will be on average, 100-ft in width with the west end closed with a steel combi-wall bulkhead to allow for placing compacted fill inside to support an asphalt deck.
  - 60-in diameter steel pipe piles waterward of the MHW line – 56-ft
  - Steel sheet pile pairs waterward of the MHW line – 57-ft
  - Surface area waterward of the MHW line – 38,000-ft^2
  - Total surface area – 53,200-ft^2
  - Distance waterward of the MHW line – 61-ft
  - Fill volume waterward of the MHW line –
    - Below – 27,050-ft^3
    - Above – 11,820-ft^3
  - Total fill volume – 40,170-ft^3
- Construction of one (1) new high wind bollard structure. This will be a steel pipe pile supported structure with a concrete cap and two (2) bollards. All components of this structure will be landward of the MHW line.
- Installation of the steel combi-wall components will be done as follows:
  - Initial installation will be done with a vibratory hammer to within 5-ft of the tip elevation, or refusal
  - The remaining length will be driven with an impact hammer to allow for testing and verification of pile capacity to meet the required design strength. (Please see Attachment 2 – Project Permit Plans).

PROJECT AVOIDANCE AND MINIMIZATION

Berth 301 Avoidance and Minimization – Our design and construction for the Berth 301 Project includes the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

(Excerpts below are from Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) (425 Pages) - January 2024)

"4.2.8.2 ENVIRONMENTAL CONSEQUENCES

The proposed berth construction would not require work beyond approximately 10 to 20 feet below ground surface and therefore would not impact the FAS or IAS. The proposed project activities related

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

to the construction of a bulkhead and associated structures would be completed near the terminus of Big Bend Channel. The New Berth 301 project would include converting approximately one acre of submerged lands to uplands (approximately 500 feet in length and 80 feet in width) using clean fill. Additionally, 500 linear feet of steel sheet pile would be used to create the bulkhead along the shoreline, and 80 feet of return wall for offloading dry bulk. The port has carried out mitigation for the entire Port Redwing peninsula development, including filling of on-site wetlands, dredging, the construction of an 80 foot by 4,000 feet open marginal wharf and additional impervious surfaces (United States Army Corps of Engineers [USACE] Permit SAJ-2002-3332, dated January 8, 2004, and FDEP Permit No. 29-019967-001, dated December 19, 2003, see Appendix C) and expects no additional mitigation at this time. The previous mitigation project included the creation of mitigated lands for the award-winning Cockroach Bay Preserve, located alongside McKay Bay and now managed by Southwest Florida Water Management District (SWFWMD). No impacts to other surface water resources would be expected with the implementation of BMPs, as described in Section 6, and the proposed project would not affect groundwater resources. The proposed project has been found to be consistent with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

4.2.9 Wetlands

4.2.9.1 AFFECTED ENVIRONMENT

The proposed project site is located near the terminus of Big Bend Channel, between dry bulk Berths 300 and 302. There are no wetlands mapped by the National Wetland Inventory (NWI) on the project site.

4.2.9.2 ENVIRONMENTAL CONSEQUENCES

On December 19, 2003, FDEP granted Environmental Resource Permit (ERP) No. 29-0199767¬001 and the (USACE) issued Permit SAJ-2002-3332 on January 8, 2004 to allow the creation of Port Redwing, including filling of on-site wetlands, dredging, the construction of an 80 foot by 4,000 feet open marginal wharf and additional impervious surfaces (Appendix C). As mitigation for these impacts, mitigated lands were created at the Cockroach Bay Preserve, located alongside McKay Bay, and are now managed by SWFWMD. The proposed layout of Berth 301 is entirely within the authorized footprint from the 2003 permit. As such, no additional mitigation is proposed for this project. Therefore, with the implementation of BMPs described in Section 6, the proposed project would not result in significantly adverse impacts to waters of the U.S. within the project area.

4.2.11 Fish and Wildlife

4.2.11.1 AFFECTED ENVIRONMENT

Tampa is within the Coastal Plain physiographic province, characterized by flat to gently sloping topography (NPS, 2017). The proposed project area lies along the coast in southwestern Hillsborough county. The project site consists of previously developed upland areas within an industrial-maritime transportation facility. The current conditions of the project site include a maintained vegetated shoreline stabilized with riprap, extending from the top of bank to below the Mean High Water Line (MHWL). Below the riprap, the approximate 2 to 1 slope continues to a depth of -45 feet into the Big Bend Channel. The project site is surrounded by other berths and port facilities (Appendix A, Figure A-1). No submerged aquatic vegetation was observed within the project area and no mangroves are present.

25-013

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

The NOAA EFH Mapper was reviewed for the project area (NOAA, 2023a). The project area doesn't contain Habitat Areas of Particular Concern, or EFH Areas Protected from Fishing. Based on the EFH Mapper, the project area includes EFH for the Bull shark (Carcharhinus leucas), Tiger shark (Galeocerdo cuvier), Blacktip shark (Carcharhinus limbatus), and Bonnethead shark (Sphyrna tiburo). Each of these species require shallow, warm waters to meet various lifecycle needs. A site visit was conducted April and May 2023 to evaluate the conditions at the site. HDR observed no EFH for the four shark species within the immediate vicinity of the project area."

(Please see Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) - 425 Pages - January 2024)

Berth 301 – ADDITIONAL INFORMATION:

Currently the project is completing the NEPA application process, as it is funded by a RAISE grant. The NEPA process has initiated and completed consultations with the following Agencies as part of the NEPA review: NMFS Habitat Conservation Division and Protected Resources Division (concurrence attached – **Attachments 8 and 9**), USFWS (still under consultation) , State of Florida Clearing House (CZM, Florida Coastal Management Program, FWCC) (**Attachment 10**) , Florida State Historic Preservation Officer (**Attachment 11**), Seminole Tribe of Florida- Tribal Historic Preservation Officer (**Attachment 12**), and The Muscogee Nation (**Attachment 13**).

Berth 301 - PROJECT PUBLIC INTEREST STATEMENT

1. Public Interest Statement: Please describe how the proposed project is not contrary to the public interest based on the criteria outlined in Section II. D.1. of the Tampa Port Authority Submerged Land Management Rules.

    a. Please describe how the project will be designed to avoid adverse effects to public health, safety, or the welfare or the property of others. **The Berth 301 Project location is in Port Redwing, which is an existing Port facility. The Project will enhance an already existing operation which does not present adverse effects to the public health, safety or the welfare or the property of others.**

    b. Please describe how the project will be designed to avoid adverse effects to the conservation of fish and wildlife, including endangered or threatened species, or their habitats. **Please see the Project Avoidance and Minimization information above. This can be found in Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) - 425 Pages - January 2024)**

    c. Please describe how the project will be designed to avoid adverse effects to navigation or the flow of water or cause harmful erosion or shoaling. **Berth 301 is being constructed to serve vessels navigating into and out of the Port Redwing in Gibsonton. Constructing the berth along the existing Port Redwing navigation channel and previous permitted area will not cause adverse effects to the navigation or flow of water. The berth is sloped toward the upland to collect and treat the runoff and avoid soils erosion into the water. Also, the proposed berth will improve navigation by decreasing ship congestion.**

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

d. Please describe how the project will be designed to avoid adverse effects to the fishing or recreational values or marine productivity in the vicinity of the activity. **Port Redwing is a very active industrial center. The proposed project is an expansion in a congested industrial shipping area that will further enhance the Port's abilities to accommodate the increase in activities expected due to ongoing economic growth.**

e. Will the project be of a temporary or permanent nature? **The Berth 301 Structure is Permanent.**

f. Please describe how the project will be designed to avoid adverse impacts to significant historical and archaeological resources, under the provisions of section 267.061, F.S. **4.2.14 Cultural and Tribal Resources. – Please note if Cultural and Tribal Resources are encountered, the permittee will follow the Florida Division of Historical Resources Compliance and Review Section notification guidance procedures including Section 872.05. F.S. if necessary.**

Please note the following is an excerpt from Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) - 425 Pages - January 2024 to support Section f.

"4.2.14.1 AFFECTED ENVIRONMENT

The Area of Potential Effect (APE) for the proposed project was identified as the boundary of the project footprint as shown on **Figure A-1** in **Appendix A**. The APE measures approximately 275 feet (ft; 83 meters [m]) in length and 700 ft (213 m) in width and amounts to a total of approximately 4 acres.

A review of Florida Master Site File (FMSF) data was conducted to identify known cultural resources and previous cultural resources surveys that have been conducted within 1 mile (mi; 1.6 kilometers [km]) of the APE. A memo summarizing the review is provided in **Appendix F**. The FMSF review indicated there have been eight previous cultural resources surveys conducted, and two archaeological sites identified within the 1 mi (1.6 km) search radius. There are no previously recorded standing structures, resource groups, cemeteries, or National Register of Historic Places (NRHP)-listed or -eligible properties within the APE or one mile buffer.

4.2.14.2 ENVIRONMENTAL CONSEQUENCES

According to the desktop survey, the proposed project would not be expected to impact any known cultural resources. MARAD requested concurrence from the State Historic Preservation Officer (SHPO). As discussed in **Section 7**, SHPO concurrence was received on July 31, 2023. SHPO also requested that permits for the project include a special condition regarding inadvertent discoveries, as detailed in **Section 6**.

4.2.15 Environmental Justice

4.2.15.1 AFFECTED ENVIRONMENT

The proposed project is located in Gibsonton, an unincorporated community and census-designated place (CDP) in Hillsborough County, Florida. According to the U.S. Census Bureau (USCB) American Community Survey (ACS), the population in the community increased from 2012 to 2021 by 14.09

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

percent from 15,989 to 18,242 persons (USCB, 2021b). The population of Hillsborough county was estimated to be 1,478,194 people in 2021 (USCB, 2021b). There is no population directly intersecting the proposed project area. The nearest residential homes are located approximately one mile east of the project area on nearby Adamsville Road.

Two census block groups are located within 0.25 miles of the proposed project, however CT 9900, block group 0 is located over Hillsborough Bay and contained no population so it was dismissed from the analysis. As shown on **Figure A-9 in Appendix A,** the project site lies within Census Tract (CT) 138.01, block group 1, block 1041. CT 138.01, block 1041 surrounds three sides of CT 138.01 block 1042, which contains the rest of the residential area between Port Redwing and South Tamiami Trail (US 41). The 2020 Census revealed that CT 138.01, block group 1, blocks 1 and 2 have a minority population of 55 percent (22 out of 40 individuals) and 62 percent (13 out of 21 individuals), respectively (USCB, 2020). Both census blocks are considered to be a minority population per the Council on Environmental Quality's Environmental Justice Guidance under NEPA, 1997.

The 2021 median household income estimate for Hillsborough County was $64,164 (USCB, 2021a). The 2021 median household income of CT 138.01 block group 1 was below 80 percent of the county's median income ($49,545) (USCB, 2021a). Approximately 17 percent of the households within CT 138.01 block group 1 are below poverty level. This does not mean that the entire block group is low-income but is an indication that there are likely low-income neighborhoods within the block group."

(Please see Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) - 425 Pages - January 2024).

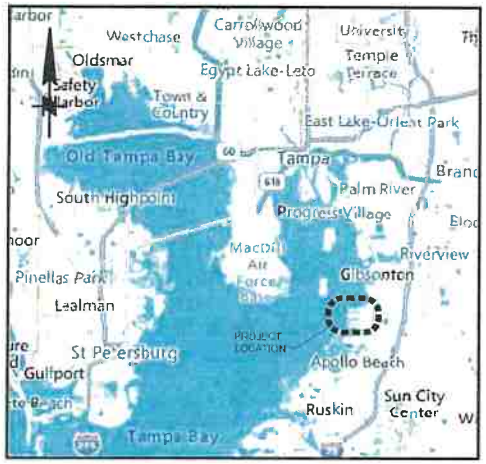
g. Please describe how the project will be designed to avoid adverse effects to the current condition and relative value of functions being performed by areas affected by the proposed regulated activity. **Port Redwing is a very active industrial center. The proposed Berth 301 Project is a previously permitted and mitigated expansion of infrastructure that will further enhance the Port's abilities to accommodate the increase in activities due to the ongoing and future economic growth in the area. The Berth 301 project area, a dredged deepwater port berth, offers limited habitat value. (Please see Attachment 7 – PTB Berth 301 draft Environmental Assessment (EA) – 425 Pages – January 2024).**

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

PORT TAMPA BAY

BERTH 301 WHARF



VICINITY MAP

PORT TAMPA BAY

PTB PROJECT NO. 23-00323



LOCATION MAP

PORT TAMPA BAY BOARD OF COMMISSIONERS

CHAD W. HARROD	CHAIRMAN
SEAT #2 VACANT	VICE CHAIRMAN
PATRICK H. ALLMAN	SECRETARY/TREASURER
MAYOR JANE CASTOR	COMMISSIONER
TED CONNER	COMMISSIONER
HONORABLE CHRISTINE MILLER	COMMISSIONER
SEAT #4 VACANT	COMMISSIONER

PAUL ANDERSON	PRESIDENT/CEO
PATRICK BLAIR, P.E., S. I.	VICE PRESIDENT OF ENGINEERING
JOSE DEJESUS, P.E. LEED, AP BD+C	DIRECTOR OF ENGINEERING
MICHAEL SEIFERT, P.E. PSM	PROJECT MANAGER

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

moffatt & nichol
501 E. KENNEDY BLVD, SUITE 1901
TAMPA, FLORIDA 33602
813-258-8818
LIC: EB-0004877

ISSUED FOR PERMITTING
MARCH 2025

25-013

G-001

415

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

THIS DOCUMENT IS NOT VALID UNLESS SIGNED, DATED, AND SEALED BY THE ENGINEER LISTED BELOW:

Digitally signed by Anna Karina Thomsen
Date: 2025.04.01 10:18:13-04'00'

MOFFATT AND NICHOL
501 E. KENNEDY BLVD., SUITE 1910
TAMPA, FL 33602
CERTIFICATE OF AUTHORIZATION: 00004877
ANNA KARINA THOMSEN, P.E. NO. 85415

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
	GENERAL	
1	G-001	COVER SHEET
2	G-002	INDEX OF DRAWINGS
3	G-003	ABBREVIATIONS & LEGEND
4	G-004	GENERAL NOTES (1 OF 2)
5	G-005	GENERAL NOTES (2 OF 2)
6	G-101	GENERAL ARRANGEMENT PLAN
7	G-150	PROJECT SITING PLAN
8	G-301	SEQUENCE OF BULKHEAD CONSTRUCTION
	SURVEY	
9	V-101	EXISTING CONDITIONS PLAN
	GEOTECHNICAL	
10	B-101	BORING LOCATION PLAN
11	B-601	BORING LOGS (1 OF 3)
12	B-602	BORING LOGS (2 OF 3)
13	B-603	BORING LOGS (3 OF 3)
	DEMOLITION	
14	D-101	DEMOLITION PLAN
15	D-102	RIPRAP STOCK PILE LOCATION PLAN
16	D-401	DEMOLITION SECTIONS
	STRUCTURAL	
23	S-001	STRUCTURAL NOTES (1 OF 2)
24	S-002	STRUCTURAL NOTES (2 OF 2)
25	S-101	WHARF STRUCTURAL SITE PLAN
26	S-111	WHARF PILE PLAN
27	S-121	WHARF DECK PLAN
28	S-301	TYPICAL WHARF SECTION
29	S-401	ENLARGED WHARF SECTIONS
30	S-501	BULKHEAD CONNECTION DETAILS
31	S-502	BULKHEAD DETAILS (1 OF 2)
32	S-503	BULKHEAD DETAILS (2 OF 2)
33	S-505	WALE AND TIE ROD DETAILS (1 OF 2)
34	S-506	WALE AND TIE ROD DETAILS (2 OF 2)
35	S-513	TRENCH DRAIN DETAILS
36	S-517	UTILITY VAULT DETAILS
37	S-520	HIGH WIND BOLLARD DETAILS
38	S-530	BOLLARD DETAILS
39	S-540	FENDER DETAILS
40	S-550	CATHODIC PROTECTION DETAILS
41	S-580	BULKHEAD PENETRATION SECTIONS & DETAILS

416

25-013

THIS DOCUMENT IS NOT VALID UNLESS SIGNED, DATED, AND SEALED BY THE ENGINEER LISTED BELOW:

Larry B Flood 2025.04.01 10:04:41 -04'00'

MOFFATT AND NICHOL
501 E. KENNEDY BLVD., SUITE 1910
TAMPA, FL 33602
CERTIFICATE OF AUTHORIZATION: 00004877
LARRY B. FLOOD, P.E. NO. 85560

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
	CIVIL	
17	C-001	CIVIL NOTES
18	C-101	CIVIL SITE PLAN
19	C-102	CIVIL EROSION CONTROL PLAN
20	C-301	CIVIL SECTION
21	C-401	ENLARGED PARTIAL PLAN
22	C-501	DRAINAGE & CIVIL DETAILS

THIS DOCUMENT IS NOT VALID UNLESS SIGNED, DATED, AND SEALED BY THE ENGINEER LISTED BELOW:

Digitally signed by Wilfredo J Ruiz Planell
Wilfredo J Ruiz Planell Date: 2025.04.01 09:41:27 -04'00'

MOFFATT AND NICHOL
501 E. KENNEDY BLVD., SUITE 1910
TAMPA, FL 33602
CERTIFICATE OF AUTHORIZATION: 00004877
WILFREDO JOSE RUIZ PLANELL, P.E. NO. 92803

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
	MECHANICAL	
42	M-001	MECHANICAL NOTES
43	M-101	MECHANICAL SITE PAN
44	M-501	MECHANICAL DETAILS (1 OF 3)
45	M-502	MECHANICAL DETAILS (2 OF 3)
46	M-503	MECHANICAL DETAILS (3 OF 3)

THIS DOCUMENT IS NOT VALID UNLESS SIGNED, DATED, AND SEALED BY THE ENGINEER LISTED BELOW:

Derek J Sears Digitally signed by Derek J Sears Date: 2025.04.01 09:38:39 -04'00'

MOFFATT AND NICHOL
501 E. KENNEDY BLVD., SUITE 1910
TAMPA, FL 33602
CERTIFICATE OF AUTHORIZATION: 00004877
DEREK J. SEARS, P.E. NO. 79389

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
	ELECTRICAL	
47	E-001	ELECTRICAL NOTES (1 OF 2)
48	E-002	ELECTRICAL NOTES (2 OF 2)
49	E-101	OVERALL ELECTRICAL PLAN
50	E-401	ENLARGED ELECTRICAL PLAN (BERTH 301)
51	E-402	ENLARGED ELECTRICAL PLAN (BERTH 302)
52	E-403	ENLARGED ELECTRICAL PLAN (BERTH 302)
53	E-501	ELECTRICAL DETAILS (1 OF 4)
54	E-502	ELECTRICAL DETAILS (2 OF 4)
55	E-503	ELECTRICAL DETAILS (3 OF 4)
56	E-504	ELECTRICAL DETAILS (4 OF 4)
57	E-601	ELECTRICAL RISER DIAGRAM
58	E-602	ELECTRICAL CABLE SCHEDULE
59	E-603	ELECTRICAL PANEL SCHEDULES

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
INDEX OF DRAWINGS

moffatt & nichol

DRAWN: LMB
DATE: 2025-03-28
CHECKED:
DATE:
APPROVED:
DATE:
PROJECT NO. 3219
SCALE: AS SHOWN
FTB DWG NO.
SHEET NO. G-002
Sheet 2 of 59

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813.905.7678

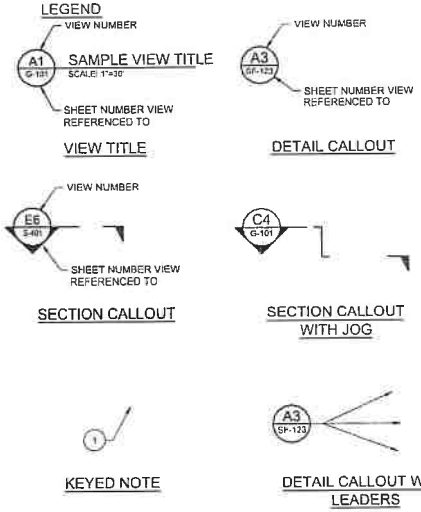
File: Q:\TAC\3219\300 CADD_Active_Berth 301\2100\100-G-002.rvt Plotted: 3/27/2025 4:08 PM by: SMITH, TONY; Saved: 3/27/2025 3:46 PM by: ANSMITH

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ABBREVIATIONS

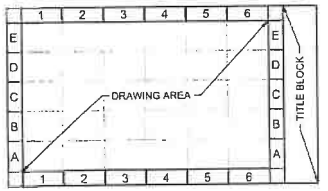
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AB	ANCHOR BOLT
ABAND	ABANDONED
ABBR	ABBREVIATION
ABV	ABOVE
AC	ASPHALT CONCRETE, AIR COMPRESSOR OR ALTERNATING CURRENT
ADD'L	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BARE COPPER
BD	BOARDBREASTING DOLPHIN
BH	BULKHEAD
BL	BASELINE
BLK'G	BLOCKING
BLKOUT	BLOCKOUT
BMP	BEST MANAGEMENT PRACTICE
BOS	BOTTOM OF STEEL
BOT	BOTTOM
C	CONTROL
CA	COMPRESSED AIR
CF	CUBIC FEET
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT OR CONDUIT ONLY
COL	COLUMN
CONC	CONCRETE
COND	CONDUIT
CONN	CONNECTION
CONST	CONSTRUCT OR CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CPT	CONE PENETROMETER TEST
CTR	CENTER
CU	CUBIC OR COPPER
CV	CHECK VALVE
D	DRAIN OR DEPTH
DEG	DEGREE
DET	DETAIL
DI	DROP INLET
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DN	DOWN
DWGS	DRAWINGS
DWT	DEADWEIGHT TONNAGE
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELB	ELBOW
ELECT	ELECTRICAL
EOP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ES	EACH SIDE
EW	EACH WAY OR EXISTING WATER
EX, EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	FRAME, FLANGE, OR FUEL
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDN	FOUNDATION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FDR	FEEDER
FFE	FINISHED FLOOR ELEVATION
FFWCC	FLORIDA FISH AND WILDLIFE CONVERSATION COMMISSION
FIN	FINISH
FS	FINISHED SURFACE OR FUEL SUPPLY
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GND	GROUND
GPM	GALLONS PER MINUTE
GV	GATE VALVE
H	HEIGHT, OR HORIZONTAL
HB	HOSE BIBB
HM	HOLLOW METAL
HML	HIGH MAST LIGHTING
HNDR'L	HANDRAIL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HWB	HIGH WIND BOLLARD
ID	INSIDE DIAMETER OR IDENTIFICATION
IMO	INTERNATIONAL MARITIME ORGANIZATION
IN	INCHES
INV	INVERT
JT	JOINT
KSI	KIPS PER SQUARE INCH
LA	LIGHTNING ARRESTER
LB	POUND
LBP	LENGTH BETWEEN PERPENDICULARS
LF	LINEAR FOOT
LG	LONG
LOA	LENGTH OVER ALL
LT	LIGHT
LTG	LIGHTING
MAS	MASONRY
MAT'L	MATERIAL
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MD	MOORING DOLPHIN
MES	MITERED END SECTION
MET	METAL
MFTR	MANUFACTURE
MH	MANHOLE
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
MON	MONUMENT
MPH	MILES PER HOUR
MTD	MOUNTED
N	NORTH
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NO.	NUMBER
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OBS	OBSTRUCTION
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OVERHEAD ELECTRICAL
OFF	OFFSET
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPRS	OPERATORS
OS	OUTSIDE
O.S.H.A.	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POWER, POLE, PUMP OR PIPE
PART'N	PARTITION
PC	PRECAST CONCRETE
PCF	POUND PER CUBIC FOOT
PL	PLATE OR PROPERTY LINE
PNL	PANEL
POC	POINT OF CONNECTION
PRESS	PRESSURE
PRI	PRIMARY
PS	PRESTRESSED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	POINT
PTB	PORT TAMPA BAY
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER
QC	QUALITY CONTROL
R	RIGID
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
REF	REFERE
REINF	REINFORCING
REQ'D	REQUIRED
RET	RETAINING
ROW	RIGHT-OF-WAY
S	SEWER, SLOPE OR SOUTH
SAN	SANITARY
SCH	SCHEDULE
SD	STORM DRAIN
SEC	SECONDARY
SECT	SECTION
SF	SQUARE FEET
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
SP	SPARE
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL OR SANITARY SEWER
SSP	STEEL SHEET PILE
STA	STATION
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE, STRUCTURAL
SUBSTA	SUBSTATION
SWM	STORM WATER MANAGEMENT
SY	SQUARE YARDS
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
TB	TURBIDITY BARRIER
TC	TOP OF CURB
TEMP	TEMPERATURE
THD	THREAD
THRU	THROUGH
TOS	TOP OF STEEL
TRANSV	TRANSVERSE
TRNSFMR	TRANSFORMER
TYP	TYPICAL
UHMWPE	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
UUL	UNKNOWN UNDERGROUND LINE
V, VERT	VERTICAL
W	WATER, WEST, WIDE OR WIRE
WM	WATER MAIN
WP	WEATHERPROOF, WATERPROOF, OR WORKING POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
&	AND
@	AT
*	ASTERISK
L	ANGLE
Ø	DIAMETER OR PHASE
°	DEGREES
'	MINUTES OR FEET
#	NUMBER OR POUNDS
%	PERCENT
"	SECONDS OR INCH
W/	WITH

LEGEND

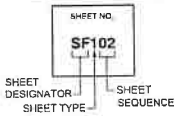


* VIEW NUMBER IS BASED ON THE (DACS) LOCATION OF THE LOWER-LEFT EXTENTS OF THE VIEW ON THE REFERENCED SHEET. WHEN REFERENCING DRAWING INFORMATION BETWEEN SHEETS, BOTH THE VIEW AND SHEET NUMBERS MUST BE QUOTED TOGETHER - EITHER IN A CALLOUT FORMAT AS SHOWN ABOVE OR IN THE FORM: "VIEW NO./SHEET NO." (EG A1/CS-5001)

DRAWING AREA COORDINATE SYSTEM (DACS)



SHEET NUMBERING



DISCIPLINE DESIGNATORS	
DISCIPLINE	DESIGNATOR
GENERAL	G
SURVEY/MAPPING	V
GEOTECHNICAL	B
CIVIL WORKS	W
CIVIL	C
STRUCTURAL	S
MECHANICAL	M
ELECTRICAL	E
OTHER DISCIPLINES	X

SECONDARY DESIGNATORS	
DEMOLITION	D
GENERAL	G
SUBSTRUCTURE	B
FRAMING	F
COMPONENT	C
SITE	S

SHEET TYPE DESIGNATORS	
0	GENERAL (COVER SHEET, LEGEND, NOTES)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS (NOT TYPICALLY USED)
3	SECTIONS (OVERALL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, SECT. OR ELEV. - NOT DETAILS)
5	DETAILS (MAY BE PLAN, SECT. OR ELEV. VIEWS)
6	SCHEDULES
7	USER DEFINED
8	USER DEFINED
9	3D ISOMETRIC

REVISION NUMBERING	
A00, A01...	PRE-BID SUBMITTALS
B00, B01...	BID SUBMITTALS
000, 001...	CONSTRUCTION SUBMITTALS

RECEIVED
APR 08 2025
ENVIRONMENTAL DEPT

417

25-013

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ABBREVIATIONS & LEGEND

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

mottarr & nichol

SEAL

DRAWN: CM
DATE: 2025-03-26
CHECKED: AW
DATE: 2025-03-26
APPROVED: DWG
DATE: 2025-03-26
PROJECT NO.: 23-0023
SCALE: AS SHOWN
PTB DRWG NO.:
SHEET NO: G-003
Sheet 3 of 59

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY THE EVA HAU ON THE DATE INDICATED HEREON AND IN THE AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT

File: G:\TA\23\23-0023 CADD_Admin_Berth 301\23-0023-G-003.rvt Plotted: 3/27/2025 4:08 PM by SMITH, TONY Saved: 11/18/2024 10:39 AM by ACOKOYE

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

GENERAL NOTES

1. ALL WORK MUST CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND CONVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER WILL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT WILL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2024 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.

2. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM WITH THESE DRAWINGS, PROJECT SPECIFICATIONS AND WITH ALL CURRENT APPLICABLE CODES AND THE LATEST REVISIONS OF THE FOLLOWING REFERENCE DOCUMENTS:

   a. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROAD AND BRIDGE SPECIFICATIONS.
   b. FDOT ROAD AND BRIDGE STANDARDS.
   c. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
   d. NATIONAL ELECTRIC CODE (NEC).
   e. FLORIDA BUILDING CODE (FBC)

3. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST CHECK THE DRAWINGS AGAINST THE SITE AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR WILL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

4. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.

5. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.

6. ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS MUST BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.

7. PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.

8. ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.

9. CONDUCT AND COORDINATE WITH PORT TAMPA BAY OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK.

10. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND REFERENCED TO THE FOLLOWING TIDAL DATUM:

MHHW :	(MEAN HIGHER HIGH WATER)	+0.70
MHW :	(MEAN HIGH WATER)	+0.49
NAVD :	(MEAN TIDE LEVEL)	0.00
MSL :	(MEAN SEA LEVEL)	-0.35
MLW :	(MEAN LOW WATER)	-1.23
MLLW :	(MEAN LOWER LOW WATER)	-1.67

THE TIDAL DATUM RELATIONSHIP IS BASED ON NOAA STATION 8726537 APOLLO BEACH, HILLSBOROUGH BAY, FL.

11. LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH DEMOLITION AND CONSTRUCTION. NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.

12. VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT. COORDINATE WITH THE PORT ENGINEER TO GAIN ACCESS TO THE SITE THROUGH SECURITY OPERATIONS.

13. PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.

14. PROTECT AND MAINTAIN ACCESS TO PRIVATE PROPERTY ADJACENT PORT TENANTS. ANY DAMAGE CAUSED BY THE CONTRACTOR DURING WORK MUST BE CORRECTED TO THE SATISFACTION OF THE PORT ENGINEER AT THE CONTRACTOR'S EXPENSE.

15. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT MUST BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE PORT ENGINEER.

16. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.

17. TOPOGRAPHIC AND HYDROGRAPHIC SURVEY AT BERTH 301 BY HYATT SURVEY SERVICES, INC.

18. REPORT OF GEOTECHNICAL ENGINEERING SERVICES PROPOSED BERTH 301 BY S&ME, INC. DATED AUGUST 2024.

19. THE ACCURACY OF EXISTING STORM DRAINS, MOORING DOLPHINS, AND OTHER STRUCTURES SHOWN ON PLANS ARE NOT GUARANTEED. ACTUAL FIELD CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OF MATERIALS, ORDERING MATERIALS, OR PERFORMING WORK. LOCATIONS OF EXISTING UTILITY DISTRIBUTIONS SHOWN WERE PROVIDED BY PORT TAMPA BAY.

20. THE LOCATIONS AND ELEVATIONS OF STRUCTURES, UTILITIES, AND CONNECTIONS TO UTILITIES AS SHOWN ARE APPROXIMATE. VERIFY THE EXACT LOCATION AND ELEVATION IN THE FIELD. LOCATIONS OF NEW FACILITIES AND UTILITIES MUST BE ADJUSTED IN A MANNER APPROVED BY PORT TAMPA BAY TO AVOID CONFLICTS. DAMAGES TO FACILITIES AND UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS MUST BE REPAIRED ON THE DAY DAMAGE OCCURS BY THE CONTRACTOR AT NO COST TO PORT TAMPA BAY.

21. UNLESS OTHERWISE NOTED, RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND MUST REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.

22. ALL EXCAVATION, TRENCHING, SHEETING, SHORING AND BRACING MUST BE INSTALLED AS REQUIRED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING O.S.H.A.

23. ALL ITEMS INDICATED TO BE REMOVED AND REINSTALLED MUST BE STORED IN A SECURE LOCATION AND PROTECTED FROM DETERIORATION AND DAMAGE.

24. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS MUST PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN MUST INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT O.S.H.A. AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND O.S.H.A.'S TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND PORT TAMPA BAY WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.

25. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SECURITY AT THE WORK SITE.

26. THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF DAMAGE AND/OR INTERRUPTION OF ANY UTILITY, EITHER ABOVE OR BELOW GROUND, RESULTING FROM CONSTRUCTION OPERATIONS.

27. IT IS THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION OF NEW UTILITIES TO ANTICIPATE AND PLAN FOR CROSSINGS WHERE SHOWN ON THE PLANS.

28. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION MUST BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.

29. MAINTAIN UNINTERRUPTED UTILITY SERVICE TO PORT TENANTS WHOSE UTILITIES MIGHT OTHERWISE BE IMPACTED BY THE CONTRACTOR'S WORK ON THIS PROJECT. COORDINATE ALL UTILITY OUTAGES SUFFICIENTLY IN ADVANCE THROUGH THE PORT ENGINEER, SO AS NOT TO DISRUPT THE OPERATIONS OF THE PORT OR ITS TENANTS.

30. PROVIDE EROSION CONTROL/SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE PORT ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVELWAYS TO THE SATISFACTION OF THE PORT ENGINEER AND/OR LOCAL AUTHORITIES.

31. MANATEES HAVE BEEN IN THE AREA AND THE CONTRACTOR MUST WORK IN ACCORDANCE WITH STANDARD MANATEE PROVISIONS AS PER STATE'S STANDARD MANATEE CONSTRUCTION CONDITIONS FOR IN-WATER WORKS (2011) ARE CONDITIONS OF THE PERMIT. LOCATIONS OF THE SIGNS MUST BE COORDINATED WITH THE PORT ENGINEER.

32. CONTROL FUGITIVE DUST ORIGINATING FROM THE PROJECT AREA DURING CONSTRUCTION BY WATERING OR OTHER METHODS AS NECESSARY.

33. GRASSING AND SOD MUST BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION PROJECT.

34. CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS. ALSO CONTACT THE PORT FACILITIES DIRECTOR, NOBERTO SANCHEZ FOR LOCATIONS OF PORT UTILITIES.

35. EXECUTE NPDES "NOTICE OF INTENT" PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR MUST PREPARE AND SUBMIT A "NOTICE OF INTENT" TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). MONITOR THE SITE AT ALL TIMES AND TAKE APPROPRIATE ACTION TO PREVENT EROSION INCLUDING THE USE OF BMP. NO PUMPING OF GROUND OR SURFACE WATER MUST BE PERFORMED WITHOUT APPROVAL FROM THE WATER MANAGEMENT DISTRICT. FOLLOWING COMPLETION OF CONSTRUCTION, CONTRACTOR MUST PREPARE AND SUBMIT A "NOTICE OF TERMINATION OF GENERIC PERMIT COVERAGE" TO FDEP.

36. PROVIDE POSITIVE DRAINAGE AWAY FROM EDGE OF PAVEMENT ALONG CONTRACT AREAS.

DEMOLITION

1. COORDINATE WITH PORT DIRECTOR OF FACILITIES TO ENSURE DISCONNECTIONS OF SERVICE AS REQUIRED.

2. TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURES.

3. PRIOR TO GENERAL DEMOLITION, SAWCUT WHERE NOTED OR OTHERWISE PROVIDE A SMOOTH, CLEAN, PARALLEL, FULL DEPTH BREAK FROM ALL CONNECTING LINKS TO THE REMAINING STRUCTURE. ENSURE THAT THE JOINT IS STRAIGHT WITHOUT SPALLED EDGES OR CRACKS.

4. ANY DAMAGE INCURRED IN EXECUTION OF THIS CONTRACT TO ANY PART OF THE PROPERTY/STRUCTURE NOT SPECIFICALLY DESIGNATED FOR DEMOLITION MUST BE REPAIRED, REPLACED, AND/OR RECONSTRUCTED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AS DIRECTED BY THE PORT ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

5. ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF, AND MUST BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR AT A LEGAL DISPOSAL SITE. THE REMOVAL, HANDLING, AND DISPOSAL OF ALL DEMOLITION MATERIALS MUST BE IN STRICT ACCORDANCE WITH ALL LOCAL AND FEDERAL REQUIREMENTS.

6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.

7. ALL REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES MUST BE COORDINATED WITH THE PORT ENGINEER PRIOR TO PROCEEDING WITH THE CONSTRUCTION.

8. ALL CONCRETE MUST BE ASSUMED TO BE STEEL REINFORCED.

9. NO SALVAGE VALUE IS EXPRESSED OR IMPLIED BY THESE CONTRACT DOCUMENTS FOR THE ITEMS TO BE REMOVED OR DEMOLISHED.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

418

25-013

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
GENERAL NOTES (1 OF 2)

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

moffatt & nichol

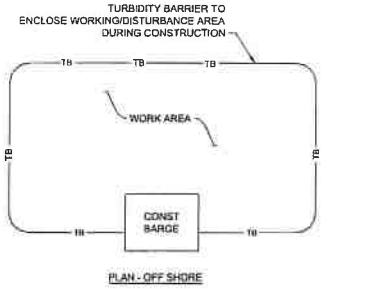
DRAWN
DATE
CHECKED
DATE
APPROVED
DATE 2025.03.28
PROJECT NO. 23-08121
SCALE AS SHOWN
PERMIT NO.

SHEET NO. G-004

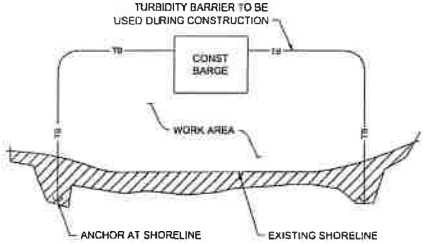
File: C:\TAB\2301\2023 CADD_Active_berth 301\2301305-G-004.dwg | Plotted: 3/27/2025 4:08 PM By: SMITH, TONY | Saved: 3/27/2025 3:42 PM By: SMITH, TONY

ENVIRONMENTAL MEASURES

1. TURBIDITY BARRIERS MUST BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR MUST MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR MUST PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
5. CONTRACTOR NEEDS TO FULLY COMPLY WITH THE U.S. ARMY CORPS OF ENGINEERS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION "SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS".
6. CONTRACTOR MUST ADHERE TO THE FFWCC STANDARD FOR MANATEE CONDITIONS AND SMALLTOOTH SAWFISH FOR IN-WATER WORK.

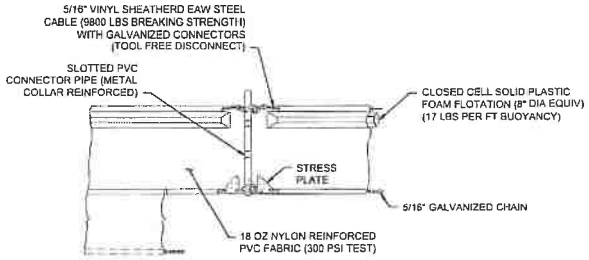


PLAN - OFF SHORE



PLAN - ALONG SHORE

DETAIL - TURBIDITY CONTROL BARRIER



NOTE: CURTAIN WILL NOT REACH BOTTOM

DETAIL - TURBIDITY CURTAIN DETAIL

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
GENERAL NOTES (2 OF 2)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

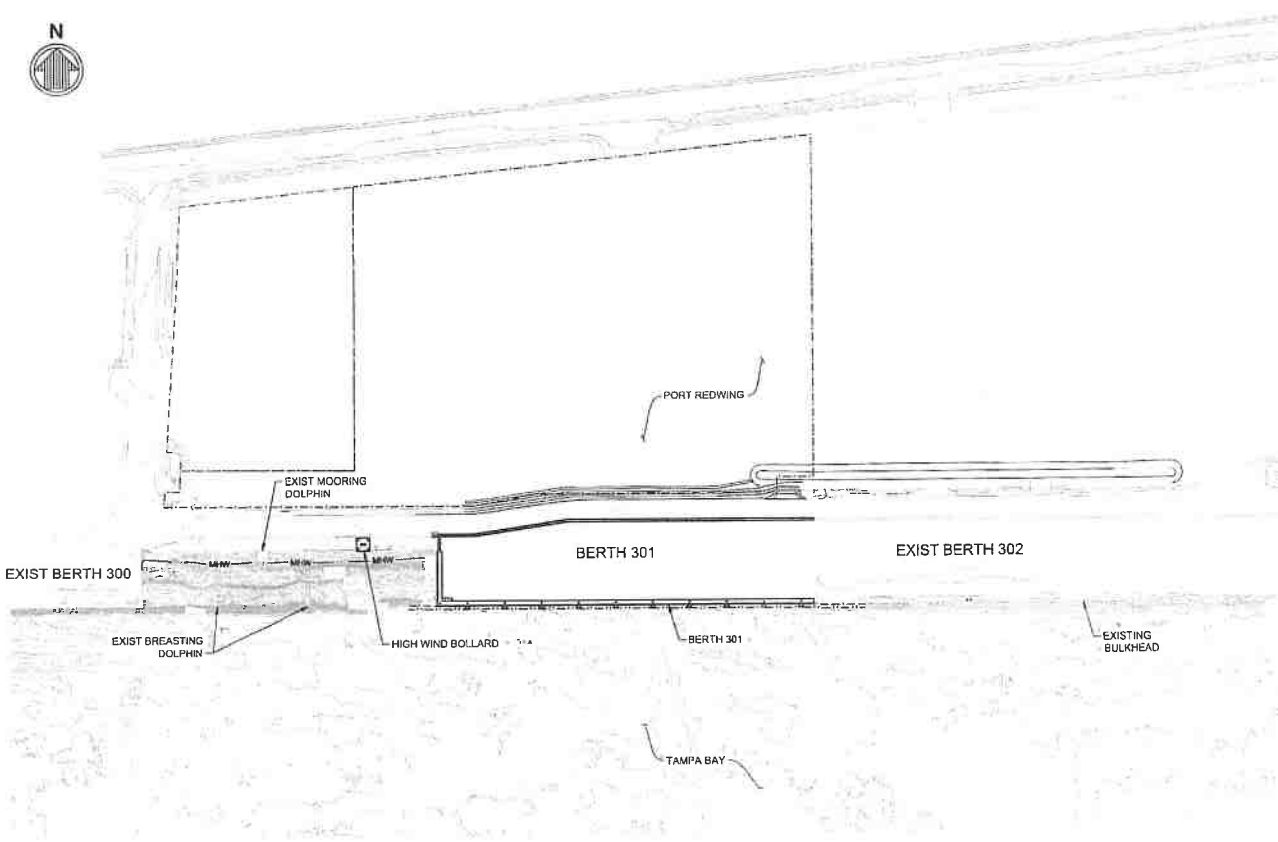
DRAWN CM
DATE 2025-03-28
CHECKED JDG
DATE 2025-03-28
APPROVED CDH
DATE 2025-03-28
PROJECT NO 214053
SCALE AS SHOWN
PEG CHECKED

SHEET NO G-005

File: G:\214053\3000 CADD_Arena_berth 301\03000126-G-005 - Printed: 3/27/2025 4:09 PM by SMITH, TONY - Saved: 3/27/2025 4:19 PM by ARCHIFIER

419

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



LEGEND

EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)

PROPERTY LINE

CHANNEL LIMITS

FENCE

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

SCALE: 1"=80'

ISSUED FOR PERMITTING
MARCH 2025

25-013

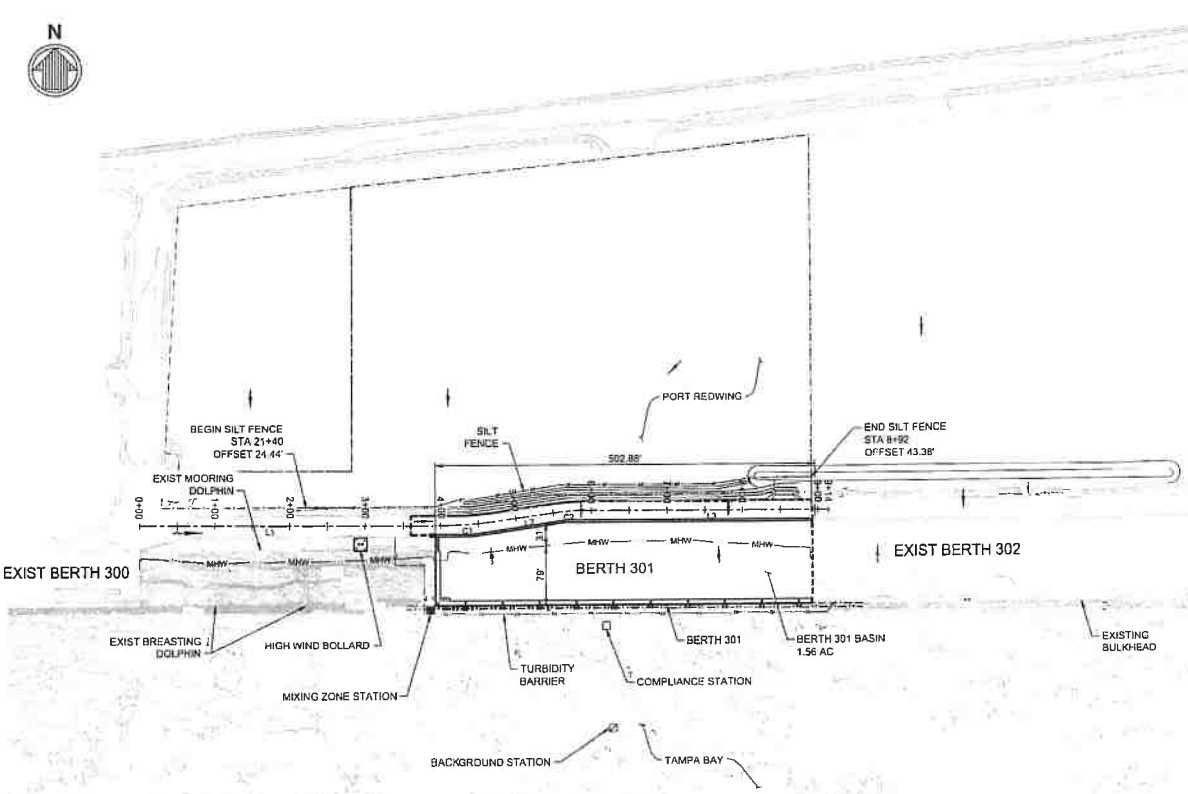
BERTH 301

GENERAL ARRANGEMENT PLAN

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813.905-7678

G-101

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



421

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

SUMMARY OF QUANTITIES

STRUCTURE	DISTANCE WATERWARD OF MHWL TO EDGE OF STRUCTURE (FT)	SURFACE AREA (SQFT)		FILL VOLUMNE WATERWARD OF MHWL (CY)		FILL VOLUME LANDWARD OF MHWL (CY)	TOTAL FILL VOLUME (CY)	NUMBER OF 60-in PILES WATERWARD OF MHLW	AREA OF 60-in PILES WATERWARD OF MHWL (SQFT)	NUMBER OF 42-in PILES WATERWARD OF MHLW	AREA OF 42-in PILES WATERWARD OF MHWL (SQFT)	NUMBER OF SHEET PILE PAIRS WATERWARD OF MHLW
		WATERWARD OF MHWL TO FACE OF STRUCTURE	TOTAL AREA	BELOW MHWL	ABOVE MHWL							
BERTH 301	60.32	38000	53200	27050	11820	1300	40170	55	1100	0	0	57

LEGEND

- EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)
- PROPERTY LINE
- FENCE
- SILT FENCE
- TURBIDITY BARRIER
- BASIN OUTLINE
- DRAINAGE FLOW ARROW

SCALE: 1"=80'

25-013

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
PROJECT SITING PLAN

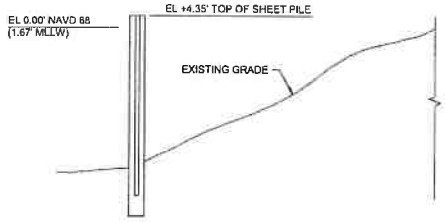
mott & nichol
TAMPA, FL 33602 TELEPHONE: 813 905-7678
1101 CHANNELSIDE DRIVE

DRAWN: CM DATE: 2025-03-25
CHECKED: JRG DATE: 2025-03-25
APPROVED: DWL DATE: 2025-03-25
PROJECT NO. 210223
SCALE: AS SHOWN
PTB DRWG NO.

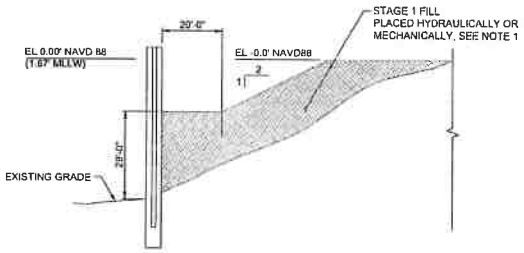
SHEET NO. G-150
Sheet 1 of 58

File: D:\PA\210223\00 CADD_Admin_Berth 301\210130-G-150_Permit_20250325 4:10 PM by SMITH, TONY, Saved: 03/25/2025 3:14 PM by SMITH, TONY

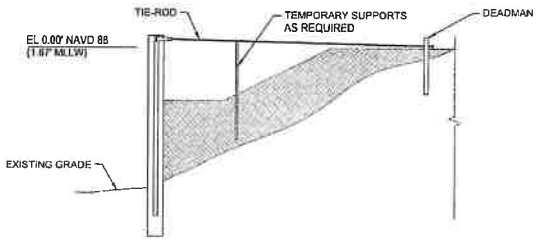
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



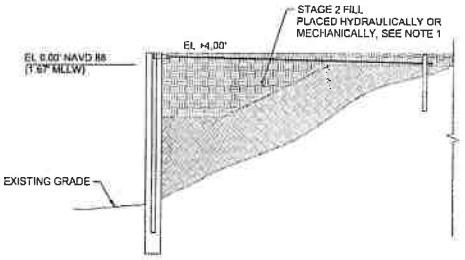
STEP 1 - INSTALL KING PILE BULKHEAD



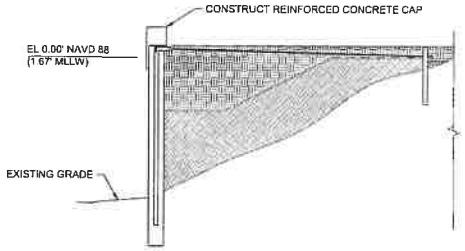
STEP 2 - STAGE 1 FILL



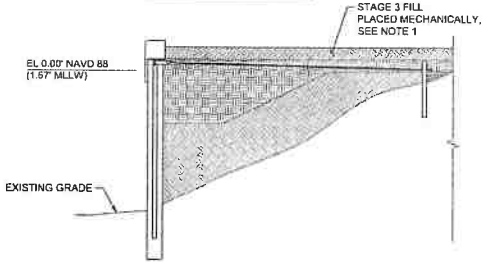
STEP 3 - INSTALL TIE-RODS AND DEADMEN



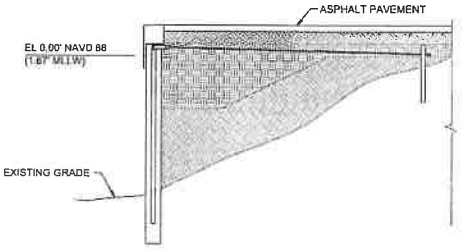
STEP 4 - STAGE 2 FILL AND VIBROCOMPACTION



STEP 5 - CONSTRUCT CAP



STEP 6 - STAGE 3 FILL



STEP 7 - CONSTRUCT PAVEMENT

NOTES

1. THE EXISTING SITE SANDS AND BELOW WATER PLACED FILL SHOULD BE IMPROVED USING VIBRO COMPACTION TO MITIGATE SETTLEMENT. REFER TO GEOTECHNICAL REPORT FOR DETAILS AND METHODS.
2. ALTERNATE FILL SEQUENCES MAY BE CONSIDERED BY THE ENGINEER. DEFLECTION OF THE WALL UNDER TEMPORARY (CONSTRUCTION) LOADING MUST NOT EXCEED 3". CONTRACTOR MUST SUBMIT PROPOSED ALTERNATIVE FILL PLAN AND CALCULATIONS FOR REVIEW BY THE ENGINEER.
3. PERFORM VIBRO-COMPACTION WITH GRANULAR BACKFILL TO PROVIDE THE FOLLOWING CRITERIA UPON SUCCESSFUL COMPLETION OF EACH:
   a. PERFORM DENSIFICATION BY VIBRO-COMPACTION TO AT LEAST A DEPTH EQUAL TO THE FILL DEPTH.
   b. ACHIEVE AN AVERAGE N-VALUE OF 25, WHERE NO INDIVIDUAL N-VALUE IS LESS THAN 20, IN THE GRANULAR SANDS AND SLIGHTLY SILTY SANDS AS DETERMINED BY A STANDARD PENETRATION BORING WITHIN THE IMPROVED SOIL STRATA.
   c. ACHIEVE A UNIFORM SOIL BEARING CAPACITY OF 1000 POUNDS PER SQUARE FOOT WITH A MAXIMUM TOTAL SETTLEMENT OF 1 INCH OVER THE ENTIRE BERTH AREA.
4. USE A DOWN HOLE VIBRATOR CAPABLE OF PROVIDING AT LEAST 80 HP AND A RATED ENERGY AND CENTRIFUGAL FORCE OF 15 TONS.
5. PERFORM FOUR (4) STANDARD PENETRATION TEST BORINGS OR CONE PENETRATION TESTS ON COMPLETED BACKFILL TO VERIFY COMPACTION. LOCATIONS MUST BE AT POINTS WHICH ARE EQUIDISTANT FROM THE NEAREST PROBE POINT.
6. RECOMPACT AREAS OF THE SITE NOT ADEQUATELY DENSIFIED AS DETERMINED BY THE SPECIFIED SPT/CPT VALUES. PERFORM RECOMPACTION AT NO ADDITIONAL COST TO THE PORT.
7. PROVIDE INDEPENDENT SITE INSPECTION AND TESTING TO INCLUDE OBSERVANCE OF VIBRO-COMPACTION PROCEDURES, RECORDING BACKFILL QUANTITIES, RECORDING OF AMMETER INFORMATION, AND VERIFICATION TESTING.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

422

25-013

BERTH 301

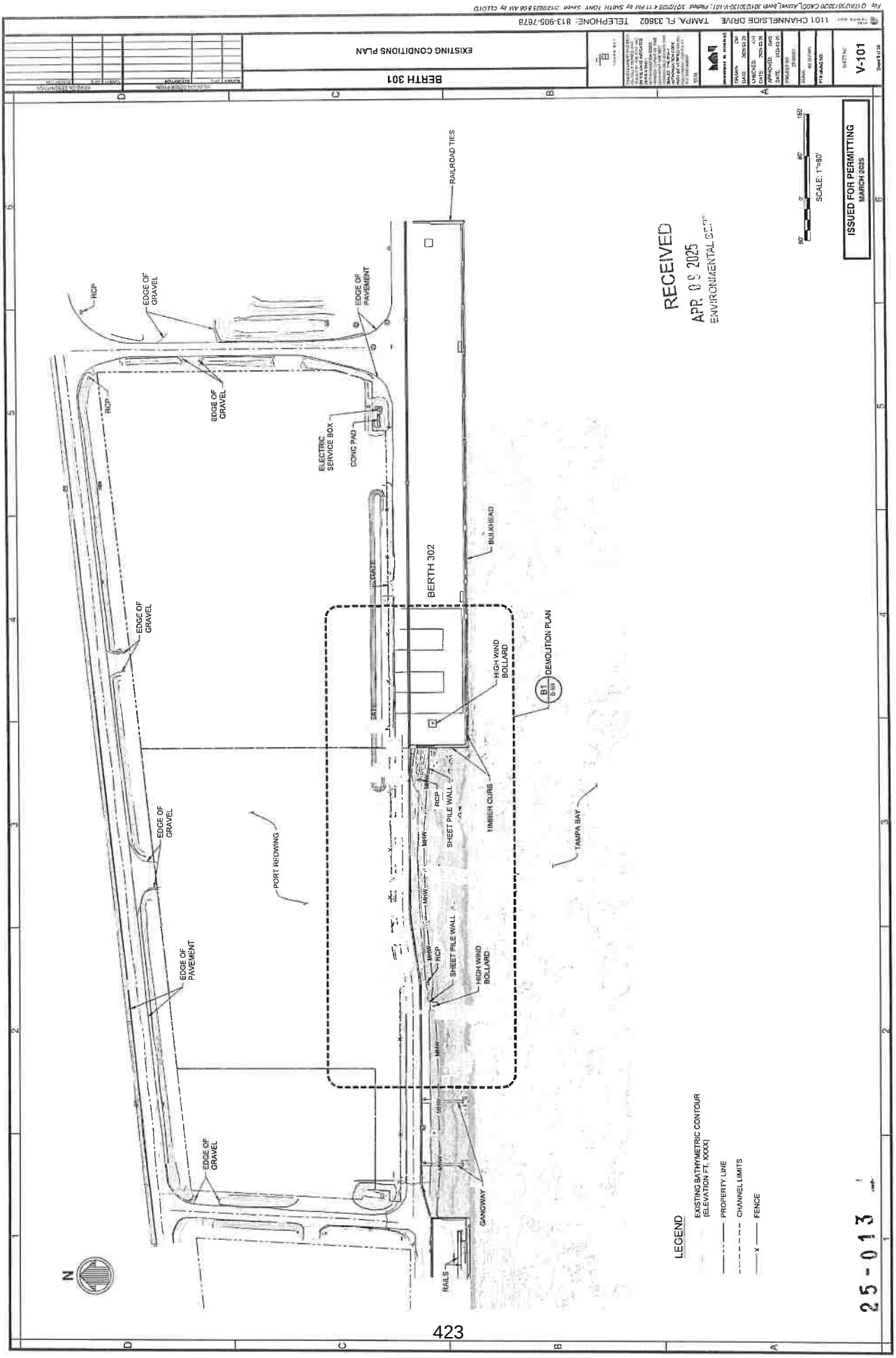
SEQUENCE OF BULKHEAD CONSTRUCTION

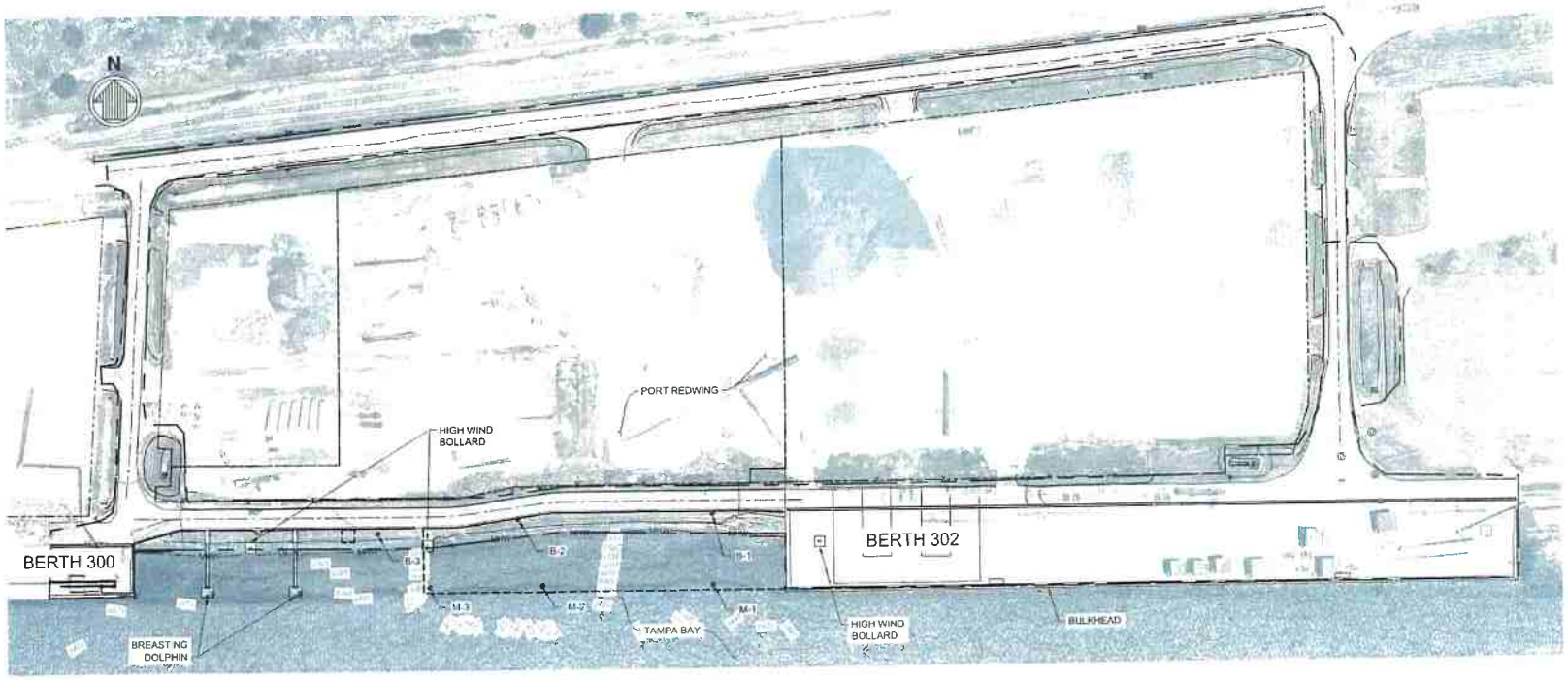
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

SHEET NO
G-301

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





424

RECEIVED
APR 0 9 2025
ENVIRONMENTAL DEPT

NOTES

1. BORING LOCATIONS ARE APPROXIMATE.
2. SOIL BORING INFORMATION IS PROVIDED FOR CONTRACTORS INFORMATION ONLY. THE OWNER MAKES NO REPRESENTATIONS ABOUT SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED WITHIN LIMITS OF THE PROJECT.
3. SOIL BORINGS REPRESENT SUBSURFACE INFORMATION ONLY AT THE LOCATION OF THE BORING AND IS NOT INTENDED TO BE CONSIDERED TYPICAL BEYOND THE LIMITS OF THE BORING. THE CONTRACTOR SHOULD ANTICIPATE VARIABILITY IN THE SUBSURFACE CONDITIONS AND ALLOW FOR VARIATION IN THE PREPARATION OF HIS BID.

LEGEND

- APPROXIMATE SPT BORING LOCATION.
- EXISTING CONTOUR (ELEVATION FT, XXXX)
- PROPOSED STRUCTURE

SCALE: 1"=80'

ISSUED FOR PERMITTING
MARCH 2025

25-013

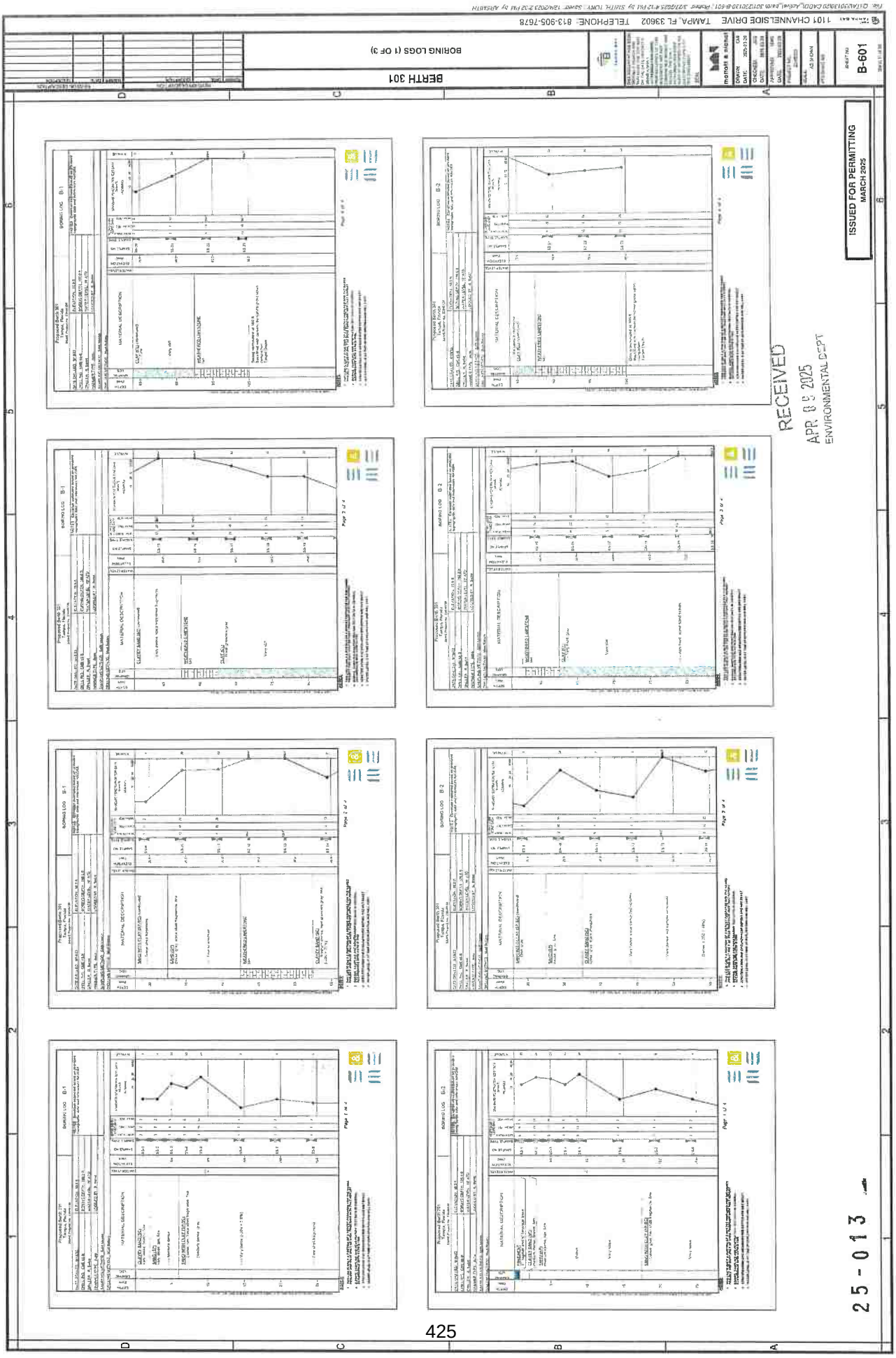
BERTH 301
BORING LOCATION PLAN

mottart & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

B-101

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



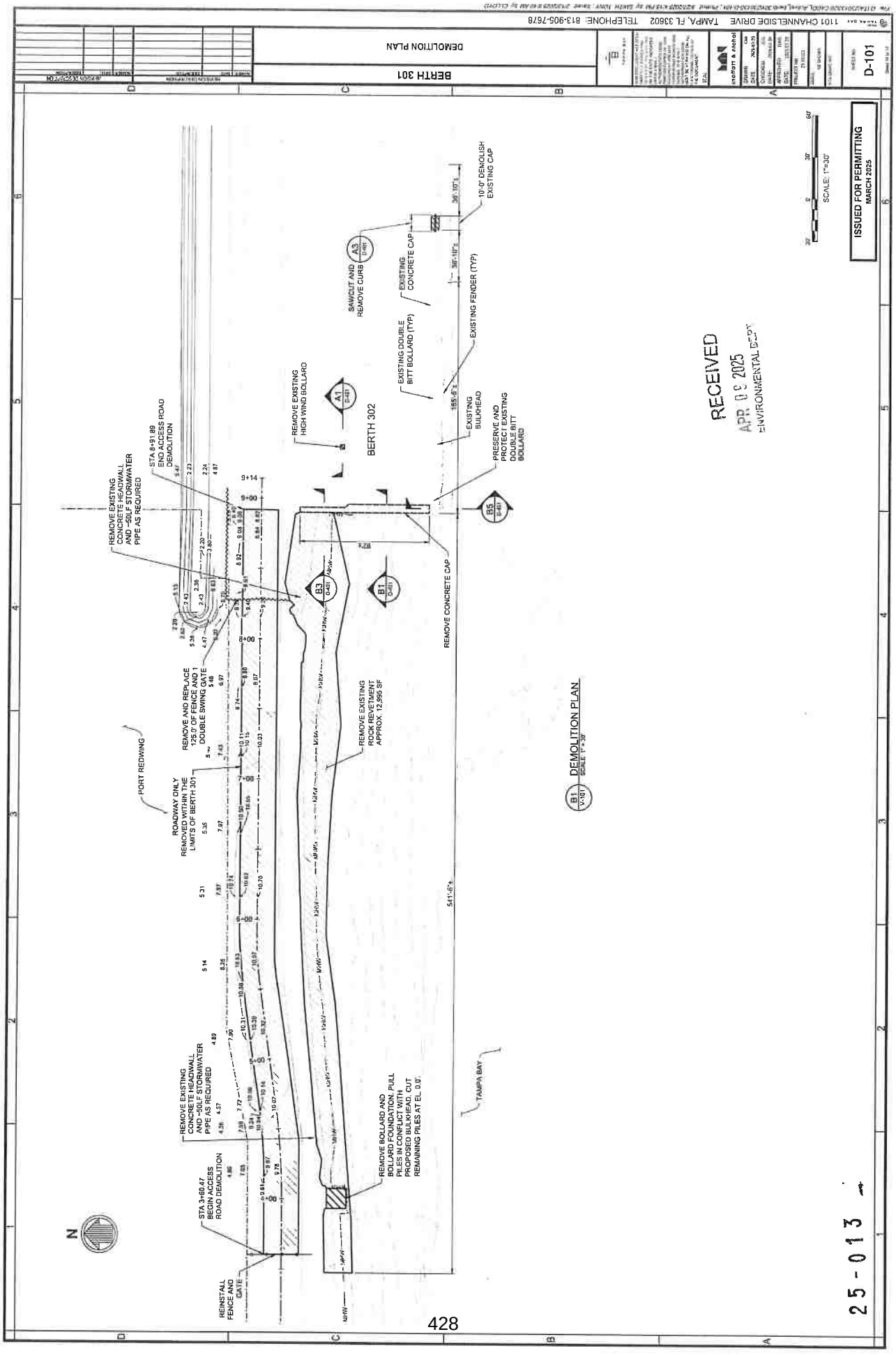
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39







429

25-013

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

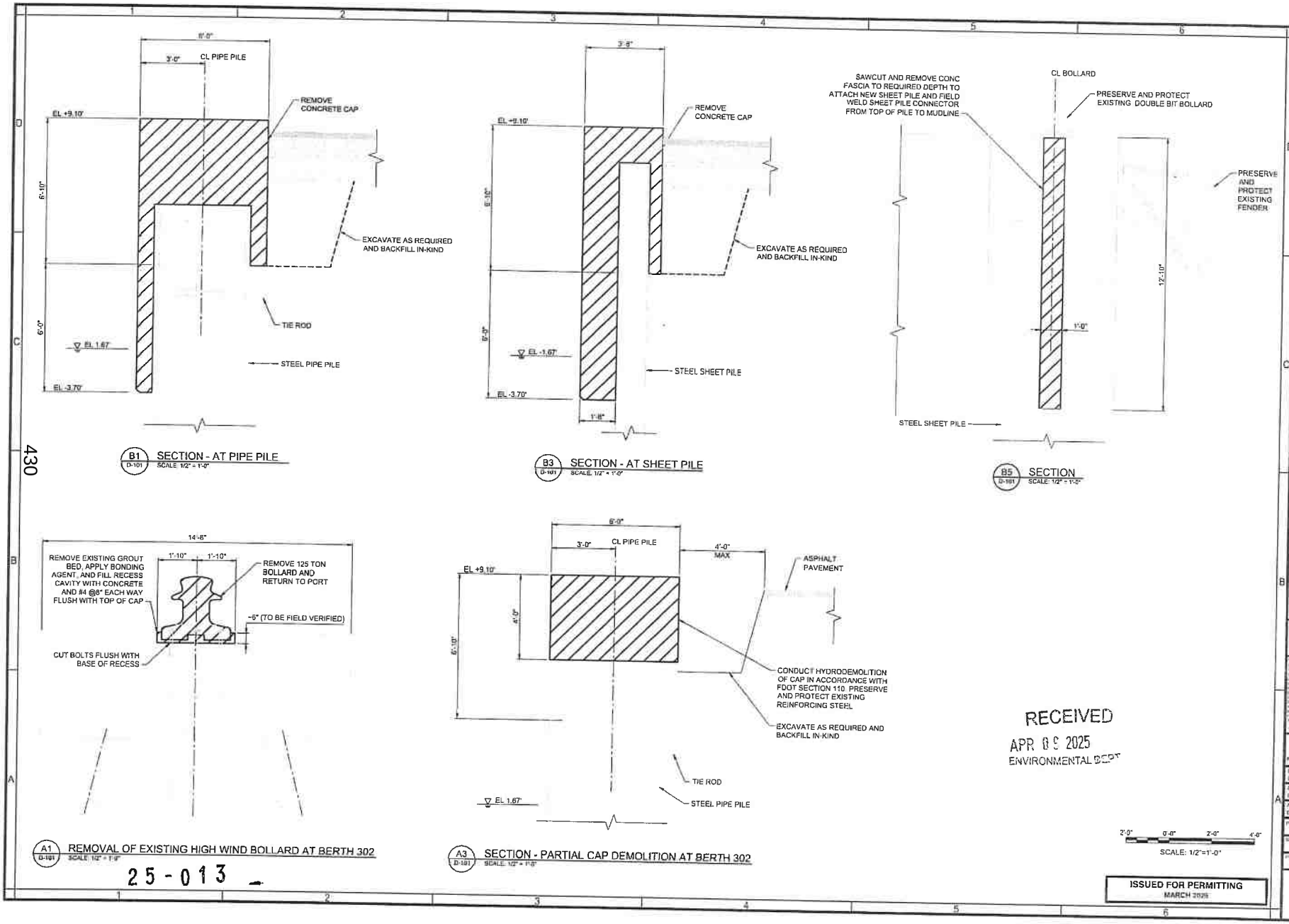
ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
RIPRAP STOCK PILE LOCATION PLAN

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7618

D-102

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

430

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

CIVIL NOTES

DRAINAGE:

1. INLETS AND MANHOLES REFERENCE THE LATEST EDITION OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.
2. ALL STORM SEWER PIPE MUST BE CLASS V RCP UNLESS OTHERWISE NOTED ON PLANS.
3. ALL EXFILTRATION PIPE MUST BE CLASS III UNLESS OTHERWISE NOTED IN PLANS.
4. ALL DRAINAGE STRUCTURE GRATES AND COVERS MUST BE TRAFFIC RATED PER LIVE LOADING REQUIREMENTS SHOWN IN STRUCTURAL GENERAL NOTES.
5. THE CONTRACTOR MUST MAINTAIN AND PROTECT THE STORM DRAINAGE SYSTEM FROM DIRT AND DEBRIS UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR MAY BE REQUIRED TO CLEAN PIPES AND INLETS FOR THESE PURPOSES.
6. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
7. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF THE UTILITIES PRIOR TO CONSTRUCTION.
8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE PORT SURVEYOR WITHOUT DELAY.
9. NO STOCKPILING OF MATERIAL IN ROADWAY. ALL DIRT AND DEBRIS WILL BE REMOVED FROM THE JOB SITE DAILY.

EROSION CONTROL:

1. IT IS NOT THE INTENT OF THE PLANS TO SHOW ALL EROSION CONTROL AND TEMPORARY DRAINAGE. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE EROSION CONTROL AND TEMPORARY DRAINAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND OBTAINING THE NPDES PERMIT FOR THE PROJECT, AS REQUIRED.
2. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, WETLANDS AND THE CHANNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
3. INLET PROTECTION BEST MANAGEMENT PRACTICES MUST BE USED. PRIOR TO ANY WORK BEGINNING, INLET PROTECTION DEVICES MUST BE INSTALLED ON ALL EXISTING INLETS, CATCH BASINS, OR OTHER AREAS WATER MAY DISCHARGE OFFSITE. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
4. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR MUST STABILIZE THE AFFECTED AREAS USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
5. THE CONTRACTOR MUST STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK OF CONSTRUCTION ACTIVITIES.
6. THE CONTRACTOR MUST PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES UNTIL THE PROJECT IS COMPLETE AND ALL BARED SOILS ARE STABILIZED.
7. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM CONSTRUCTION AREAS, THE WATER MUST BE TREATED PRIOR TO DISCHARGE INTO OPEN WATER BODIES. TREATMENT METHODS INCLUDE AND ARE NOT LIMITED TO, TURBID WATER PUMPED INTO GRASSY SWALES, SEDIMENT BASINS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL TURBIDITY LEVELS MEET STATE WATER QUALITY STANDARDS.
8. THE CONTRACTOR MUST SCHEDULE HIS OPERATIONS SUCH THAT THE AREA OF UNPROTECTED ERODIBLE EARTH EXPOSED AT ANY TIME IS NOT LARGER THAN THE MINIMUM AREA NECESSARY FOR EFFICIENT CONSTRUCTION OPERATIONS, AND THE DURATION OF EXPOSED UNCOMPLETED CONSTRUCTION MUST BE AS SHORT AS PRACTICAL.
9. TO MINIMIZE SOIL EROSION, PROPOSED LAND ALTERATION MUST NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE PROTECTION MEASURES SUCH AS SEDIMENT BARRIERS AND SOD MUST BE PROVIDED AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUNOFF.
10. CONTRACTOR MUST INSPECT THE SEDIMENT CONTROL MEASURES AT LEAST ONCE A WEEK OR AFTER EVERY RAINFALL EVENT OF 0.25" OR MORE.
11. CONTRACTOR MUST IMMEDIATELY REPAIR OR REPLACE ANY SEDIMENT CONTROL MEASURE THAT IS RENDERED DAMAGED OR INEFFECTIVE BY NORMAL USE OR EXTREME RAINFALL EVENTS.

431

25-013

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
CIVIL NOTES

moffatt & nichol

C-001

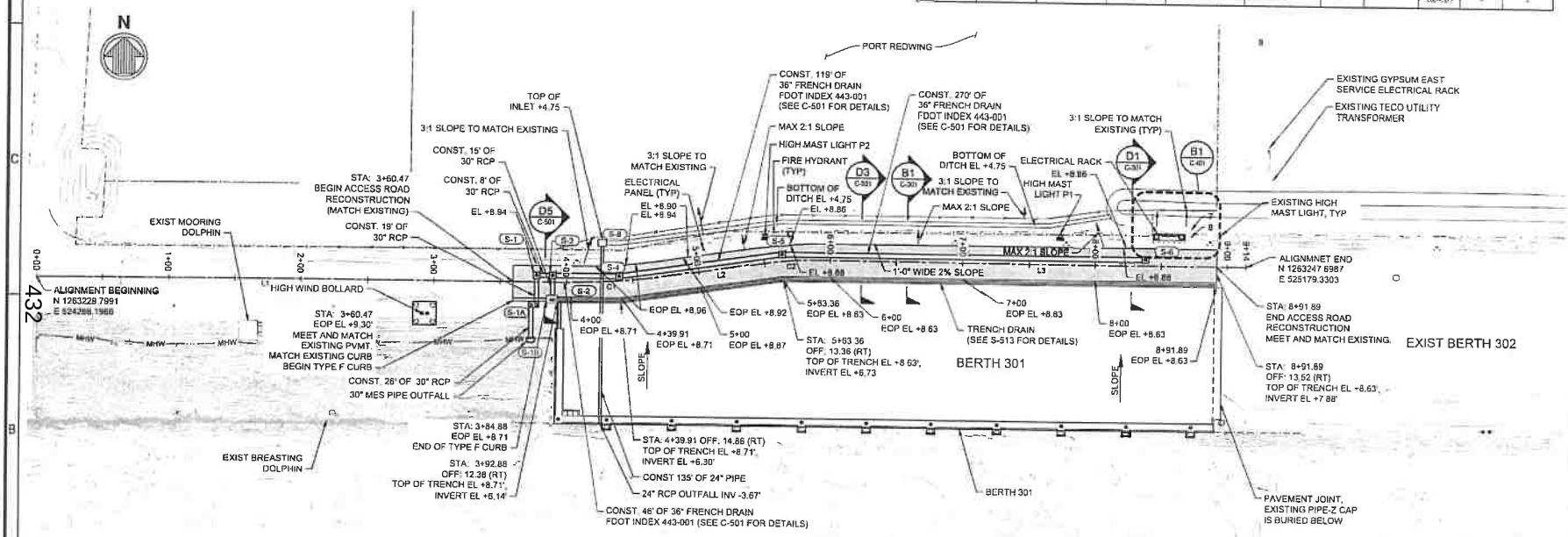
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: D:\TAB2013\3059 CADD_Active_Berth 301\2301306-C-001. Plotted: 3/27/2025 4:16 PM by SMITH, TONY. Saved: 1931/2024 9:08 AM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ALIGNMENT GEOMETRY TABLE

NUMBER	STATION	NORTHING	EASTING	BEARING	CHORD (FT)	R (FT)	Dc	L (FT)	T (FT)	DELTA
L1	0+00.00	1263229.80	524266.20	S89° 53' 45.32"E	-	-	-	392.62	-	-
C1	3+92.62 4+27.72 4+62.72	1263229.09 1263228.84 1263233.10	524658.81 524693.91 524728.76	N86° 43' 08.42"E	70.056	544.56	10° 32' 11"	70.10	35.101	7° 22' 34"
L2	4+62.72	1263233.10	524728.76	N81° 54' 33.57"E	-	-	-	87.27	-	-
C2	5+49.99 5+69.90 5+89.72	1263245.38 1263248.52 1263248.34	524815.15 524834.81 524854.72	N85° 42' 47.29"E	39.679	237.03	24° 21' 20"	39.73	19.909	9° 36' 10"
L3	5+89.72	1263248.34	524854.72	S89° 53' 09.84"E	-	-	-	324.61	-	-



NOTES

1. FOR MECHANICAL SETTING OUT POINTS SEE SHEET M-101.
2. FOR ELECTRICAL SETTING OUT POINTS SEE SHEETS E-401 THRU E-403.
3. ALL STORMWATER MANHOLE COVERS SHALL HAVE 2" RAISED OR DEPRESSED IDENTIFICATION, LETTER TYPE I, WITH THE **FOLLOWING TEXT "STORM"**

LEGEND

- EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)
- PROPERTY LINE
- FENCE
- ACCESS ROAD RECONSTRUCTION
- PROPOSED DITCH

S-1A STA: 3+75.41
OFF: 17.43 (R)
CONST MODIFIED STORM MANHOLE (SEE C-501 FOR DETAILS)
FDOT INDEX 425-001
TOP EL +9.30
INV = +1.80 (N)
INV = +1.50 (S)

S-1B STA 3+73.46
OFF: 44.24 (R)
CONST MITERED END SECTION
FDOT INDEX 430-021
TOP EL +4.75
INV = +1.00 (N)

S-1 STA: 3+77.37
OFF: -5.16 (L)
CONST STORM MANHOLE
FDOT INDEX 425-001
TOP EL +9.16
INV = +1.90 (S,E)

S-2 STA: 3+88.88
OFF: 13.39 (R)
CONST TRENCH DRAIN DROP INLET
SEE S-513 FOR DETAILS
GRATE EL +8.71
INV = +3.00 (N)

S-3 STA: 3+89.56
OFF: -5.23 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.88
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (E,W)
INV = +2.50 (S)

S-4 STA: 4+39.85
OFF: -3.59 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.88
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W,E)

S-5 STA: 5+53.69
OFF: -5.22 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.80
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W,E)

S-6 STA: 8+37.98
OFF: -4.50 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.80
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W)

S-8 STA 4+28.24
OFF: 29.32 (L)
CONST DITCH BOTTOM INLET TYPE E
FDOT INDEX 425-052
TOP EL +4.75
INV = -2.75 (S)

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

SCALE: 1"=40'

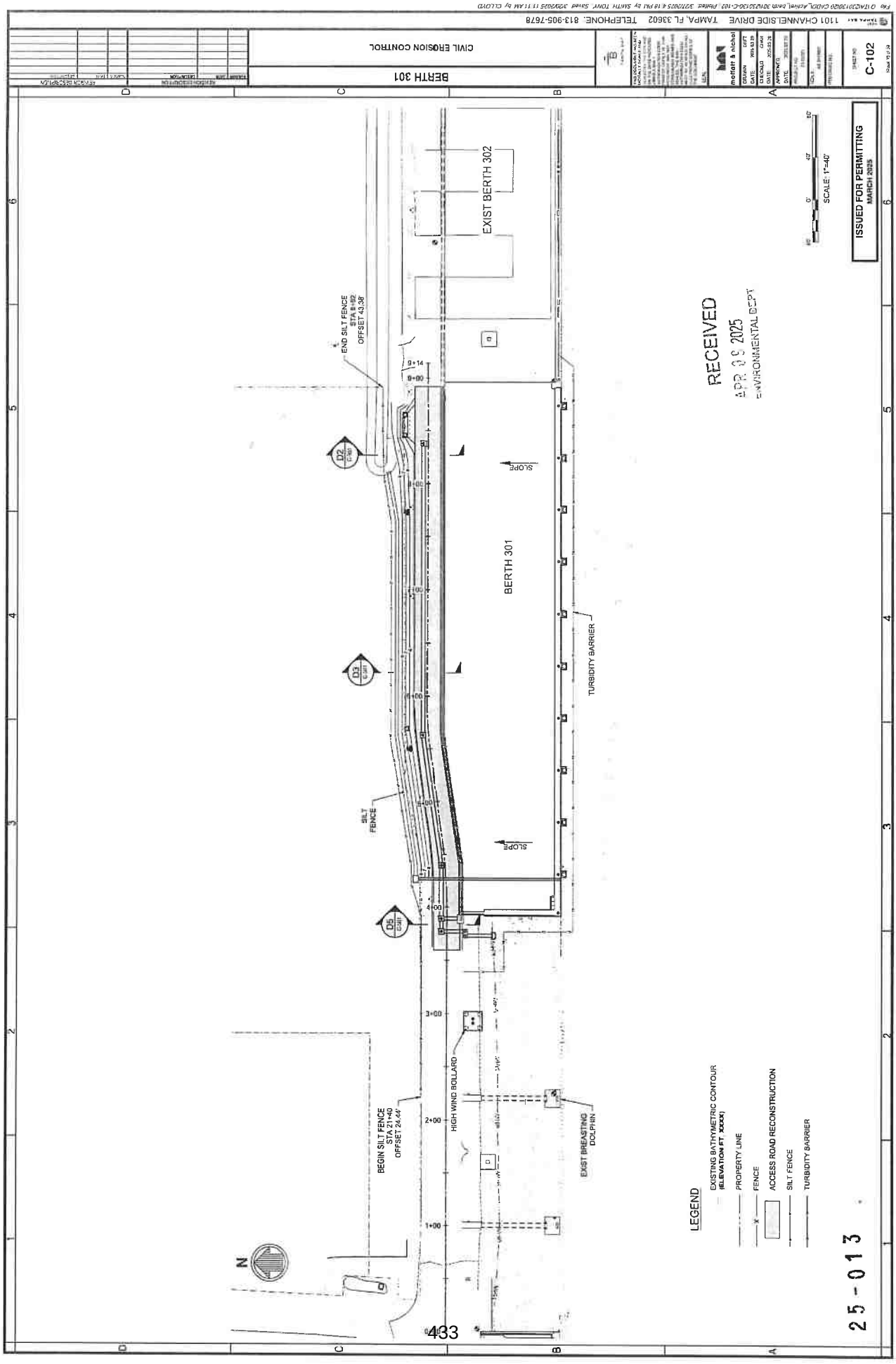
ISSUED FOR PERMITTING
MARCH 2025

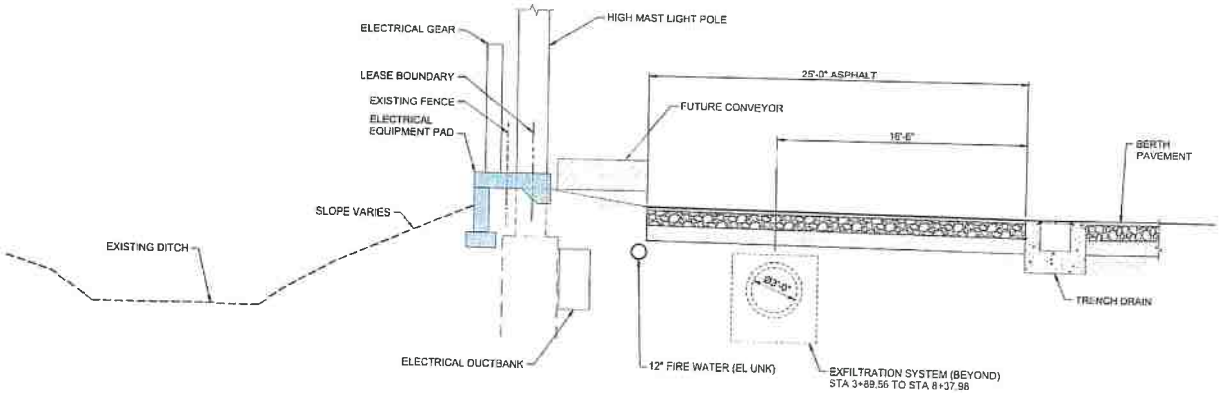
25-013

432

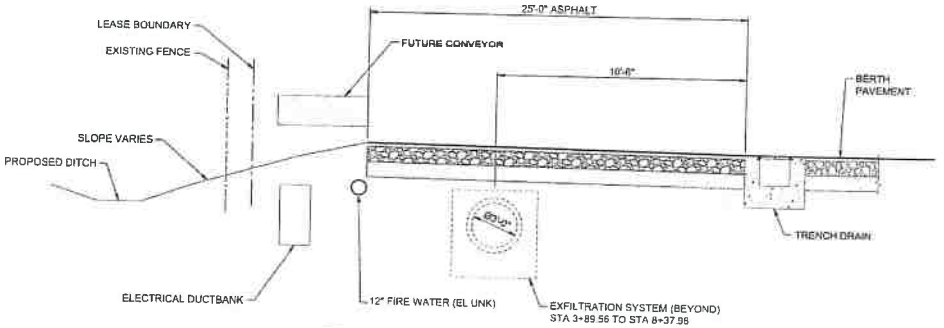
BERTH 301
CIVIL SITE PLAN
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678
C-101

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





D1 C-101 SECTION
SCALE 3"=1'-0"



B1 C-101 SECTION
SCALE 3"=1'-0"

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

SCALE: 3/16"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

434

25-013

BERTH 301
CIVIL SECTIONS

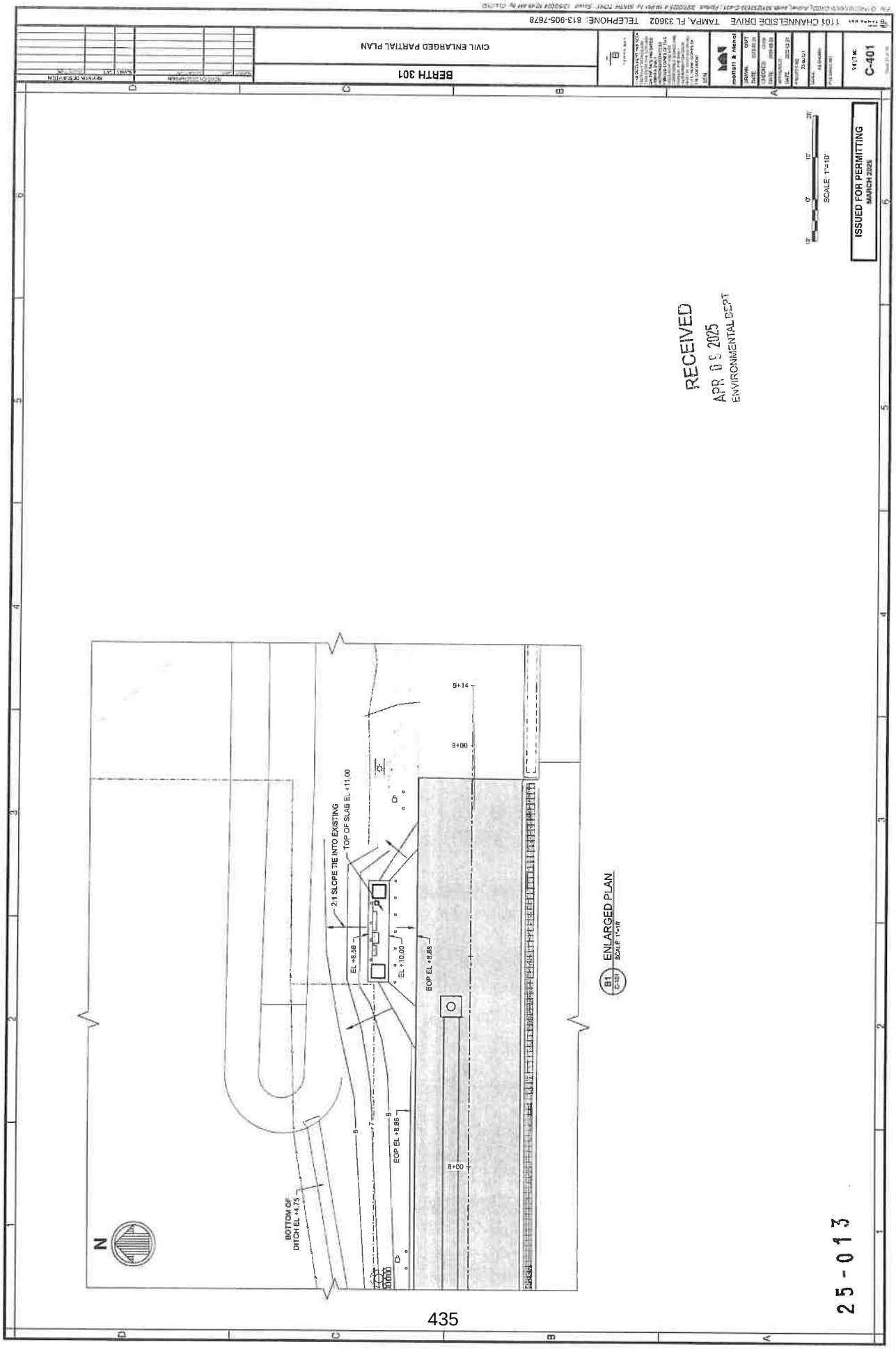
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

matthews nichol

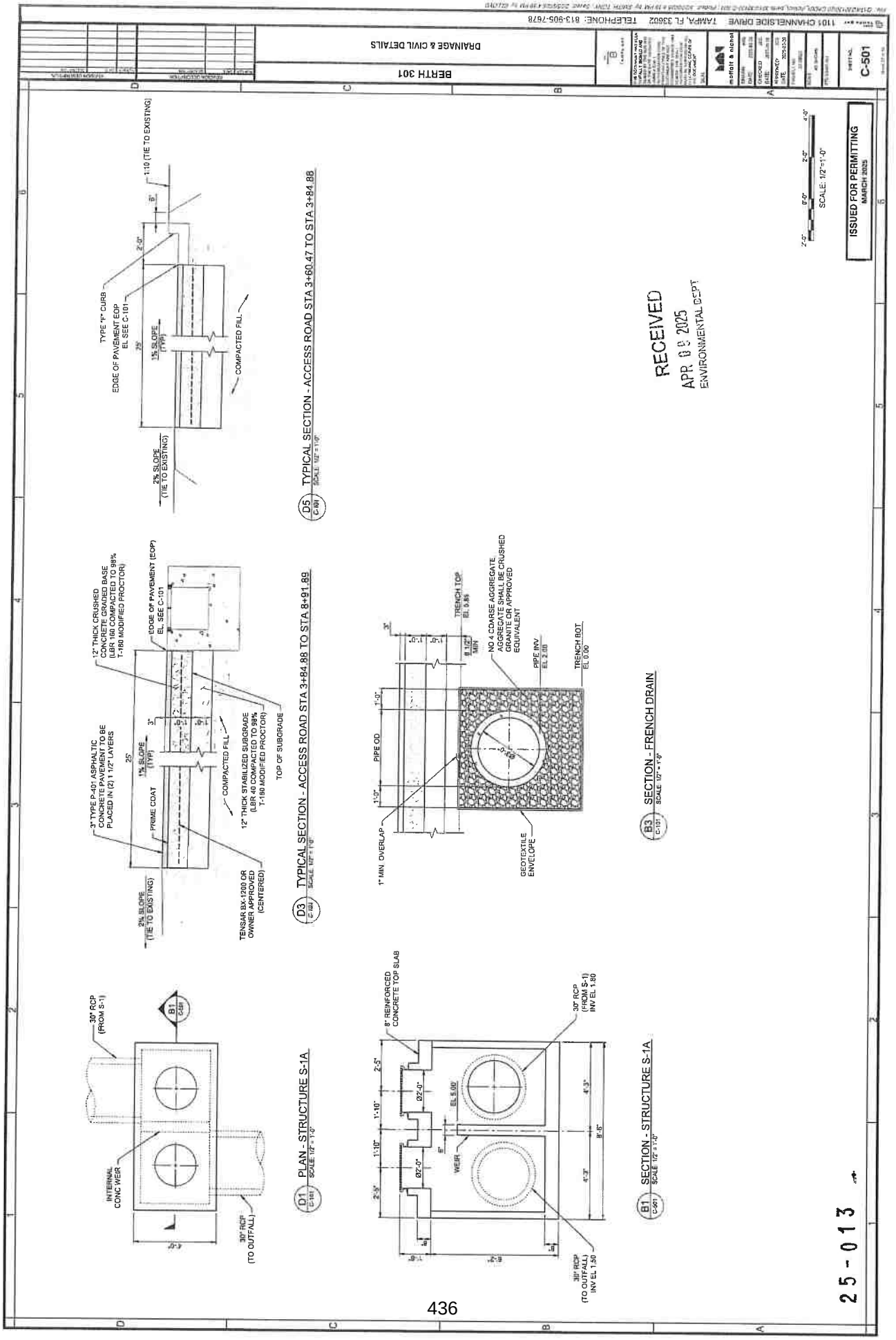
C-301

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



DESIGN CRITERIA

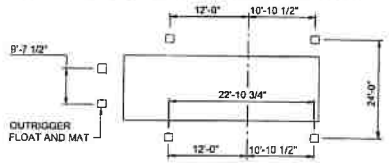
1. BASIC DESIGN WIND SPEED BASED ON MAXIMUM WINDS OF RECORD AND A 50-YEAR RETURN PERIOD.
2. MAXIMUM DESIGN WIND SPEED DURING VESSEL BERTHING OF 30 KNOTS (35 MPH). MAXIMUM DESIGN WIND SPEED OF 30 KNOTS WITH VESSEL AT BERTH. ABOVE 30 KNOTS, ALL CAPABLE VESSELS WILL BE PUT TO SEA.
3. MAXIMUM DESIGN TIDAL CURRENT OF 0.3 KNOTS (0.51 FEET PER SECOND).
4. ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
5. MINIMUM STRUCTURE SERVICE DESIGN LIFE OF 50 YEARS. FENDER DEVICES MUST HAVE A MINIMUM SERVICE DESIGN LIFE OF 10 YEARS.
6. DESIGN DREDGE DEPTH IS -48.65' NAVD 88 (-45.0' MLLW +2' OVERDREDGE)

DESIGN VESSELS

DWT	~60,000	
LENGTH OVERALL (m / ft)	199.96	656.1
LENGTH BETWEEN PERPENDICULARS (m / ft)	195	639.76
BEAM (m / ft)	32.24	105.77
DEPTH (m / ft)	19.15	62.83
SUMMER DRAFT (m / ft)	13.42	44.02
DESIGN DRAFT (m / ft)	11.8	38.7
BALLAST DRAFT (m / ft)	6	19.88
SUMMER DISPLACEMENT (mt / LT)	72,889	71,521
DISPLACEMENT AT MAX DRAFT (mt / LT)	63,883	62,874
SIDE WINDAGE AREA ABOVE DECK (m^2 / ft^2)	1,170	12,594
FRONTAL WINDAGE AREA ABOVE DECK (m^2 / ft^2)	415	4,467
MOORING LINE MBL (mt / kip)	85	187

VERTICAL DESIGN LOADS

1. UNIFORM LIVE LOADS WHARF DECK 1,000 PSF
2. P & H 300-TON (OR SIMILAR) TRUCK CRANE
   CAPACITY = 300 TON
   OUTRIGGER LOAD = 486 K
   CRANE MAT SIZE 10.5 FT x 10.5 FT
   MAX ALLOWABLE LOAD ON THE DECK IS 4.41 KIP/SQ FT
   MIN DISTANCE OF THE CRANE TO THE EDGE OF THE CAP = 5 FT



3. TRUCK LOADING IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES FOR AN HS25-44 TRUCK OR EQUIVALENT LOADING. TOTAL OF THREE AXLES: FRONT AXLE LOAD 10 KIPS, TWO REAR AXLES ARE 40 KIPS EACH FOR A TOTAL OF 90 KIPS. VEHICLE IMPACT ADDED IN ACCORDANCE WITH UFC 4-152-01.
4. SESCO CEMENT SIWERTELL 640M BULK UNLOADER. MIN DISTANCE OF THE CENTERLINE OF THE WATERSIDE AXLE TO WETTED FACE OF BULKHEAD = 17'-9".
5. CONVEYOR BELT AND HOPPER LOADING MIN DISTANCE TO WETTED FACE OF BULKHEAD = 10'-0".

LATERAL DESIGN LOADS

1. BERTHING FORCES BASED ON SHIP CRITERIA OUTLINED HEREIN, WITH BERTHING ENERGIES CALCULATED BASED ON A LOADED DISPLACEMENT, AS FOLLOWS:
   VESSEL DISPLACEMENT = 63,883 METRIC TON
   APPROACH VELOCITY = 0.30 FEET PER SECOND (NORMAL TO WHARF)
2. MOORING FORCES FROM BREASTING LINES AND SPRING LINES BASED ON SHIP CRITERIA OUTLINED HEREIN, WITH A 30 KNOT PER HOUR WIND VELOCITY.
3. LATERAL EARTH PRESSURE ON BULKHEAD WALL FROM UNIFORM LIVE LOAD AND SOIL BEHIND THE WALL.

LONGITUDINAL DESIGN LOADS

1. MOORING LINE FORCE FROM SPRING LINES OF THE DESIGN VESSEL WITH A 30 KNOT WIND VELOCITY AND PASSING VESSEL EFFECTS.
2. LONGITUDINAL COMPONENT OF BERTHING FORCE FROM THE DESIGN VESSEL SPECIFIED, AND A FENDER PANEL FACED WITH UHMW PLASTIC.

437

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

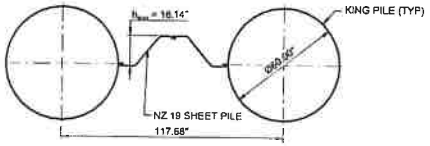
25-013

CONCRETE AND REINFORCING STEEL

1. MATERIALS, REINFORCEMENT, AND CONSTRUCTION MUST BE IN ACCORDANCE WITH FDOT SECTIONS 346, 400, AND 415 UNLESS OTHERWISE NOTED.
2. ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL MUST CONFORM TO THE LATEST EDITION OF THE "ACI MANUAL OF CONCRETE PRACTICE" INCLUDING BUT NOT LIMITED TO: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI SP-66 "ACI DETAILING MANUAL".
3. ALL REINFORCING BAR SPLICES ARE CLASS "B" TENSION LAP SPLICES IN ACCORDANCE WITH ACI 318-19, CHAPTER 12, UNLESS OTHERWISE NOTED.
4. PROVIDE CEMENT CONFORMING TO ASTM C150, TYPE II FOR EXTREMELY AGGRESSIVE ENVIRONMENT WITH SLAG OR FLY ASH. MAXIMUM W/C RATIO IS 0.40
5. ALL CAST-IN-PLACE CONCRETE IS NORMAL WEIGHT CONCRETE (145± PCF) UNLESS OTHERWISE NOTED.
6. MINIMUM CONCRETE COVER FOR STEEL REINFORCEMENT IS 3", UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. CONCRETE MUST CONTAIN CORROSION INHIBITING ADMIXTURE EUCON CIA OR APPROVED EQUAL.
8. COURSE AGGREGATES MUST CONFORM TO ASTM C33, NO 57.
9. PROVIDE 3/4", 45° CHAMFER ON ALL EXPOSED EXTERNAL CORNERS OF CONCRETE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
10. ALL JOINTS BETWEEN CAST-IN-PLACE CONCRETE AND HARDENED CONCRETE SHALL BE CLEANED AND ROUGHENED TO A 1/4" AMPLITUDE AND COATED WITH AN EPOXY BONDING COMPOUND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, UNLESS OTHERWISE NOTED.
11. CONCRETE MATERIALS MUST CONFORM TO THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH UNLESS OTHERWISE NOTED:
    A. CAST-IN-PLACE CONCRETE: 5500 PSI @ 28 DAYS (FDOT CLASS IV)
    B. CEMENTITIOUS GROUT: 8000 PSI @ 28 DAYS
    C. PRECAST CONCRETE: 6000 PSI @ 28 DAYS
12. CONCRETE REINFORCING MATERIALS MUST CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
    A. REINFORCEMENT AND DOWELS FOR CONCRETE: ASTM A 615, GR 60
    B. REINFORCEMENT TO BE WELDED: ASTM A 706, GR 60
13. NO MORE THAN 50% OF LAP SPLICES SHALL BE AT THE SAME LOCATION, STAGGER SPLICES.
14. TOP BAR LAP SPLICES SHALL NOT BE AT SUPPORT LOCATIONS.
15. BOTTOM BAR LAP SPLICES SHALL NOT BE AT THE CENTERLINE OF THE SPAN.
16. ALL DOWEL HOOKS AND BENDS MUST CONFORM TO THE LATEST EDITION OF THE "ACI MANUAL OF CONCRETE PRACTICE" INCLUDING BUT NOT LIMITED TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE AND ACI 318-19" BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
17. ALL UNFORMED CONCRETE SURFACES MUST BE GIVEN A WOOD FLOAT FINISH UNLESS OTHERWISE SPECIFIED.
18. REPAIR ALL SURFACE BLEMISHES IN CONCRETE WITHIN 24 HOURS AFTER FORM REMOVAL. PROVIDE CONSTRUCTION JOINTS IN THE BULKHEAD CAP AT 30' O.C. CONTINUOUS CONCRETE POUR LENGTH MUST NOT EXCEED 30'.
19. DO NOT PLACE FRESH CONCRETE AGAINST HARDENED CONCRETE THAT IS LESS THAN 7 DAYS OLD.
20. METAL CHAIRS ARE PROHIBITED. DO NOT PERMIT METAL TIES OR OTHER METALLIC MATERIAL TO PROTRUDE FROM THE SURFACE OF THE CONCRETE.
21. CURE CONCRETE USING CONTINUOUS MOISTURE AND/OR MEMBRANE CURING COMPOUND(S) IN ACCORDANCE WITH FDOT SECTIONS 400-16.1 AND 400-16.2.
22. PROVIDE NON-SHRINK GROUT IN ACCORDANCE WITH FDOT SECTION 934.
23. PROVIDE MECHANICAL REINFORCING BAR CONNECTORS WITH A MINIMUM 125% YIELD STRENGTH OF THE REINFORCING BAR.
24. THE STRUCTURES CONSIDERED AS MASS CONCRETE:
    a. HIGHWIND BOLLARD PILE CAP.
    b. CONCRETE CAP AT COMBINATION WALLS

COMBINATION WALL SYSTEM

1. STEEL COMBINATION WALL MUST HAVE A MINIMUM ELASTIC SECTION MODULUS, Sx OF 198.1 $IN.^3$/FT AND A MINIMUM MOMENT OF INERTIA, Ix OF 5882 IN. ^{4}/FT.
2. STEEL COMBINATION WALL DIMENSIONS:



3. PILES AND SHEET PILES MUST BE DRIVEN TO CAPACITIES INDICATED (FACTOR OF SAFETY: 2.0 FOR COMPRESSION AND 1.5 FOR TENSION)	DRIVEN TO	REQUIRED COMPRESSION (TONS)	TIP RESISTANCE FOR COMPRESSION (TONS)	SKIN FRICTION AND ADHESION FOR TENSION (TONS)	ULTIMATE TENSION (FT)	ESTIMATED TIP ELEV (FT)
MAIN BULKHEAD KING PILE	60"x0.688"	161	N/A	N/A	-68	N/A
MAIN BULKHEAD SHEET PILE	NZ19*	N/A	N/A	N/A	-57.5	N/A
RETURN COMBI WALL KING PILE	60"x0.688"	N/A	N/A	N/A	-68	N/A
RETURN COMBI WALL SHEET PILE	NZ19*	N/A	N/A	N/A	-57.5	N/A
RETURN WALL @ SSP WITH TIE ROD	NZ19*	N/A	N/A	N/A	-16	N/A
HIGH WIND BOLLARD PIPE PILE	42"x0.5"	229	286	90	-36	-60

*OR APPROVED EQUIVALENT WITH A MINIMUM ELASTIC SECTION MODULUS OF 35.08 $IN.^3$/FT

4. ALL PILES SHALL BE DRIVEN TO REQUIRED CAPACITY BASED ON DRIVING CRITERIA ESTABLISHED BY THE TEST PILE PROGRAM, BUT UNDER NO CIRCUMSTANCES SHALL THE PILE TIP ELEVATION BE HIGHER THAN THE MINIMUM EMBEDMENT DEPTH INDICATED. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY PILES THAT DO NOT REACH THE REQUIRED PILE TIP ELEVATION.
5. COAT STEEL IN ACCORDANCE WITH THE FDOT SPECIFICATIONS. ADDED PRECAUTIONS MUST BE TAKEN TO MINIMIZE DAMAGE TO THE PILE COATING SYSTEM DURING HANDLING AND DRIVING. REPAIRS TO THE PILE COATING SYSTEM MUST BE MADE AS SOON AS POSSIBLE AFTER THE DAMAGE OCCURS
6. STEEL SHEET AND KING PILE ELEMENTS OF THE COMBINATION WALL SYSTEM MUST BE DRIVEN TO THE MINIMUM TIP ELEVATION INDICATED USING A HAMMER OF AN APPROVED TYPE, WITH A CAPACITY AT LEAST EQUAL TO THE HAMMER MANUFACTURER'S RECOMMENDATION FOR THE TOTAL WEIGHT OF THE PILING SYSTEM AND CHARACTERISTICS OF SUBSURFACE MATERIAL TO BE ENCOUNTERED.
7. STEEL USED FOR THE COMBINATION WALL SYSTEM MUST BE HEAVY GAUGE HOT-ROLLED SECTION WITH FULL INTERLOCKING SHEETS CONFORMING TO ASTM A572, GRADE 60 (Fy=60 KSI) WITH A MINIMUM 3/8" THICKNESS UNLESS OTHERWISE NOTED.
8. CONTRACTOR MUST VERIFY COORDINATES & GEOMETRY PRIOR TO DRIVING STEEL PILES FOR THE COMBINATION WALL SYSTEM.
9. STEEL SHEET PILES AND PIPE PILES MUST BE SANDBLASTED TO A NEAR WHITE FINISH (SSPC SP10).
10. COAT ALL PILING PER FDOT SECTION 560.
11. COATING MUST EXTEND FROM 1-FT ABOVE THE BOTTOM ELEVATION OF THE BULKHEAD CAP FASCIA OR AT THE TOP OF THE PIPE PILES AT THE HIGH WIND BOLLARD TO 5-FT BELOW FUTURE DREDGE DEPTH OF -45.0 MLLW +2.0 OVERDREDGE ALLOWANCE. COATING IS ONLY REQUIRED ON WATERSIDE FACE OF SSP/PIPE PILE WALL ELEMENTS.
12. PILE DRIVING TOLERANCES:
    a. TOP OF PILE AT CUTOFF ELEVATION MUSTL BE WITHIN 3" HORIZONTALLY AND "VERTICALLY OF PLAN LOCATION. MANIPULATION OF PILES TO FORCE THEM INTO POSITION IS NOT BE PERMITTED.
    b. PLACE PILES PLUMB WITH OUT-OF PLUMBNESS NOT EXCEEDING 1 /4" PER FOOT OF LENGTH AND TRUE TO LINE.
    c. CHECK ALL PILE FOR HEAVE. RE-DRIVE ALL HEAVED PILES TO THE TIP ELEVATION INDICATED.
13. DRIVE SHEET PILING IN ACCORDANCE WITH FDOT SPECIFICATION 455-9. DRIVE STEEL PIPE PILING IN ACCORDANCE WITH FDOT SPECIFICATION 455-8.
14. TAKE ADDED PRECAUTIONS TO MINIMIZE DAMAGE TO THE PILING COATING SYSTEMS DURING DRIVING AND ALSO DURING CONCRETE PLACEMENT. IF REQUIRED, MAKE REPAIRS TO THE PILING COATING SYSTEM AS SOON AS POSSIBLE AFTER THE DAMAGE OCCURS. SUBMIT REPAIR METHODS FOR ENGINEER-REVIEW AND PRE-APPROVAL TO MINIMIZE SITE DELAYS.
15. MAINTAIN PILE DRIVING LOGS FOR ALL PILES.
16. SUBMIT PILE HAMMER DATA FOR REVIEW BY THE ENGINEER.
17. COORDINATE PILE DRIVING SCHEDULE SO AS NOT TO INTERFERE WITH OR BE DETRIMENTAL TO THE CONCRETE PLACEMENT AND CURING.
18. PREPARE TO DRIVE PILING THROUGH LIMESTONE LAYERS. REFER TO GEOTECHNICAL REPORT.
19. PROVIDE LAYOUT OF PILING INCLUDING PIPES, STEEL SHEETS, AND CONNECTORS ENSURING BEST FIT TO DESIGN ALIGNMENTS TO ENGINEER FOR REVIEW.
20. SUBMIT PROPOSED CONSTRUCTION SEQUENCING PLAN DETAILING, INSTALLATION TECHNIQUES, QUALITY CONTROL, EQUIPMENT AND BULKHEAD CONSTRUCTION PHASING TO THE ENGINEER FOR REVIEW PRIOR TO INITIATING CONSTRUCTION.
21. ENSURE BACKFILLING AND TIE-ROD TENSIONING PROCEDURES DO NOT INDUCE EXCESSIVE DEFLECTIONS INTO THE WALL.
22. JETTING IS PROHIBITED.
23. PROVIDE A GEOTECHNICAL ENGINEER WITH AT LEAST THREE YEARS EXPERIENCE TO PERFORM PILE DRIVING ANALYZER. PERFORM PDA TESTING ON TWO (2) SOLDIER PILES FOR EACH BERTHING BOLLARD STRUCTURE PILE.

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
STRUCTURAL NOTES (1 OF 2)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

S-001

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

STRUCTURAL AND MISCELLANEOUS STEEL

1. ALL STEEL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (AISC 360) AND FDOT SECTION 460.
2. ALL STRUCTURAL STEEL SHAPES, PLATES, BARS, FABRICATIONS, BOLTS AND ALL HARDWARE EXCEPT STAINLESS STEEL MUST BE ZINC-COATED OR GALVANIZED BY THE HOT-DIPPED PROCESS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A123 AND/OR A153 AS APPLICABLE, AFTER FABRICATION, UNLESS OTHERWISE NOTED.
3. HOT-DIP GALVANIZE TIE-RODS, COUPLERS, AND MISCELLANEOUS PLATES ON THE TIE BACK SYSTEM AFTER FABRICATION.
4. FIELD TREAT DAMAGED GALVANIZED FINISH WITH TWO COATS OF HIGH ZINC DUST OXIDE PAINT, COLD GALVANIZING COMPOUNDS, OR APPROVED EQUAL CONFORMING TO THE REQUIREMENTS OF ASTM A780. IN ADDITION, ALL EXPOSED THREADED SURFACES MUST BE PAINTED WITH TWO COATS OF HIGH-ZINC-DUST OXIDE PAINT AFTER INSTALLATION OF NUT.
5. PERFORM WELDING BY CERTIFIED WELDERS ONLY. WELD ALL JOINTS IN ACCORDANCE WITH AWS D1.1 OR AWS D3.6, AS APPLICABLE. MAKE ALL WELDED CONNECTIONS USING SHIELDED METAL ARC PROCESS (OR APPROVED EQUAL) WITH ELECTRODES CONFORMING TO DESIGNATION E70XX.
6. DO NOT PERFORM WELDING ON THE TIE-RODS WITHOUT APPROVAL FROM THE ENGINEER.
7. INSTALL ADHESIVE ANCHORS IN ACCORDANCE WITH FDOT SECTION 416 TYPE HSHV.
8. INSTALL ANCHOR BOLTS IN ACCORDANCE WITH FDOT SECTION 460-30.
9. PERFORM PULL OUT TESTS ON 10% OF EACH TYPE OF ANCHOR. TEST ANCHORS TO 125% OF THE CAPACITY OF THE ANCHOR IN TENSION

STEEL

MATERIALS:	
1. STEEL SHEET PILING AND PIPE PILING	ASTM A572, GRADE 60
2. PLATES, BARS, FABRICATIONS, HARDWARE	ASTM A572, GRADE 50, UON
3. FASTENERS	ASME/ANSI B18.2.2 & ASTM F3125-ASTM A325
4. TIE RODS	ASTM A615, GR 75 UON
5. THREADED ANCHOR BOLTS	ASTM F1554 GR 105, HDG, UON
6. WELDED STUDS	ASTM A108
7. FENDER SYSTEM HARDWARE	ASTM A572, HDG
8. PIPE	ASTM A53, GRADE B
9. BOLTS	ASTM A325
10. NUTS	ASTM A563
11. WASHERS	ASTM F436

438

TIMBER

1. TIMBER CURBS AND BLOCKING MUST BE SOUTHERN YELLOW PINE, PRESSURE TREATED.
2. TIMBER DIMENSIONS INDICATED ON DRAWINGS ARE NOMINAL DIMENSIONS.

TIE RODS & TIE ROD ASSEMBLIES

1. TIE RODS MUST BE GRADE 75 KSI, ASTM A615 HOT DIP GALVANIZED OR APPROVED EQUAL.
2. TIE RODS AND TIE ROD ASSEMBLIES MUST BE HOT DIP GALVANIZED.

WELDING

1. UNDERWATER WELDING MUST BE IN ACCORDANCE WITH AWS D3.6.
2. STRUCTURAL WELDING MUST BE PERFORMED BY AWS CERTIFIED WELDERS.
3. WELDS MUST BE VISUALLY INSPECTED BY AWS CERTIFIED WELDING INSPECTORS.
4. WELDED CONNECTIONS MUST BE PRE-QUALIFIED IN ACCORDANCE WITH AWS D1.1 AND MADE USING THE SHIELDED METAL ARC PROCESS (OR ENGINEER APPROVED EQUAL) WITH ELECTRODES CONFORMING TO E70XX.

BACKFILL PLACEMENT PROCEDURES

1. CONTRACTOR MUST SUBMIT A BULKHEAD CONSTRUCTION SEQUENCING PLAN DETAILING THE INTENDED ORDER OF CONSTRUCTION. THE PLAN MUST BE SUBMITTED PRIOR TO COMMENCING PILE DRIVING.
2. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY BRACING AND SUPPORTING ALL STRUCTURAL COMPONENTS DURING BACKFILLING AND CONSTRUCTION OPERATIONS.

BACKFILL

1. MATERIAL MUST CONTAIN LESS THAN 12% BY WEIGHT MATERIAL PASSING THE U.S. STANDARD SIEVE NO. 200 AND MUST ALSO BE FREE OF CLAY LUMPS AND OTHER DELETERIOUS MATERIALS.

FENDER SYSTEM

1. FENDERS MUST BE RUBBER CONE FENDERS WITH STEEL FENDER PANELS WITH UHMW-PE RUBBING SURFACE.
2. PERFORMANCE (AT 72% COMPRESSION):
   a. ENERGY ABSORPTION: 383 KIP-FT ±10%
   b. REACTION: 230 KIPS ±10%
3. CHAIN MUST BE ABS GRADE 2, OPEN LINK GALVANIZED CHAIN (STUDLESS) AS PER FEDERAL SPECIFICATIONS FS RR-C-271D.

25-013

4. SHACKLES MUST BE FS RR-C-271D TYPE IVA, GRADE A, CLASS 2, WITH STAINLESS STEEL MOUSING WIRE, OR CLASS 3 WITH STAINLESS STEEL COTTER PINS. THE BOWS AND PINS MUST BE GALVANIZED AND OF MILD-STEEL.
5. UHMW-PE PAD MUST PROVIDE A LOW-FRICTION NON-SPARKING PROTECTIVE FACING, HAVE A MINIMUM WEAR SURFACE OF 1/2 INCH, AND BE UV-STABILIZED.

   PROPERTIES:

   a. MIN TENSILE YIELD STRENGTH (ASTM D638)..... 3,000 PSI
   b. IZOD IMPACT (ASTM D256, METHOD A)..... 18 FT-LBS/IN
   c. MAX COEFFICIENT OF FRICTION (ASTM D1894)..... 0.20

MOORING FITTINGS

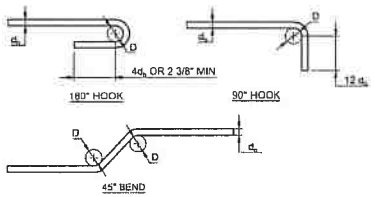
1. MOORING FITTINGS MUST BE STRESS-RELIEVED CAST STEEL CONFORMING TO ASTM A27, GRADE 65-35 OR DUCTILE CAST IRON CONFORMING TO ASTM A536 GRADE 65.
2. MINIMUM SAFE WORKING LOADS OF BOLLARDS MUST BE AS INDICATED ON DRAWINGS, IN THE DIRECTION OF -45 TO 45 DEGREES RELATIVE TO HORIZONTAL AND 0 TO 180 DEGREES RELATIVE TO THE FACE OF THE WHARF AND BOLLARD STRUCTURES.
3. THE FACTOR OF SAFETY AGAINST YIELDING MUST BE GREATER THAN OR EQUAL TO 2.0. THE FACTOR OF SAFETY AGAINST FRACTURE MUST BE GREATER THAN OR EQUAL TO 3.0.
4. ANCHOR BOLTS MUST CONFORM TO ASTM A449 OR F1554, GRADE 105.
5. PROVIDE HEAVY HEX NUTS CONFORMING TO ASTM A563, GRADE DH. PROVIDE WASHERS CONFORMING ASTM A436.
6. FILL INTERIOR CAVITY OF MOORING FITTINGS WITH NON-SHRINK CEMENTITIOUS GROUT WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 8000 PSI.
7. COAT BOLLARDS WITH A THREE-PART PAINT SYSTEM COMPRISED OF AN ORGANIC ZINC EPOXY PRIMER (BETWEEN 3.0 AND 5.0 MILS DFT) AND CYCLOALIPHATIC AMINE EPOXY OR POLYAMIDE BISPHENOL EPOXY INTERMEDIATE AND TOP COAT (4.0 TO 6.0 MILS DFT EACH).
8. PROVIDE ALL ANCHORAGE HARDWARE HOT DIPPED GALVANIZED.

SUBMITTALS

TIE CONTRACTOR MUST PROVIDE WORK PLANS, SHOP DRAWINGS, PRODUCT SUBMITTALS AND/OR CATALOG CUT SHEETS FOR THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. REFER TO DRAWING NOTES FOR ADDITIONAL REQUIREMENTS.

1. PRELIMINARY SUBMITTALS:
   a. SCHEDULE OF COMPLETION OF WORK (TO BE UPDATED WEEKLY)
   b. LIST OF SUBMITTALS
   c. CONTRACTOR WORK PLAN AND METHODOLOGY
   d. DEMOLITION METHODS AND WORK PLAN
   e. SEQUENCE OF CONSTRUCTION
   f. SAFETY PLAN
2. CONCRETE
   a. CONCRETE MIX DESIGN FROM FDOT APPROVED CONCRETE BATCH PLANT OR EACH MIX DESIGN MUST INCLUDE THE FOLLOWING:
      i. ADMIXTURE DATA SHEETS
      ii. AGGREGATE TEST DATA
      iii. COMPRESSIVE STRENGTH TEST RESULTS
      iv. CONCRETE BATCH TEST RESULTS
      v. CEMENT MILL CERTIFICATE
      vi. POZZOLAN MILL CERTIFICATE
      vii. WATER
      viii. COMPRESSIVE STRENGTH
      ix. CORROSION INHIBITOR
   b. REINFORCING STEEL SHOP DRAWINGS
   c. FORMWORK SHOP DRAWINGS
   d. CURING MATERIAL AND METHODS
   e. EPOXY BONDING COMPOUND DATA SHEETS
   f. CONSTRUCTION JOINT LOCATION PLAN AND MATERIAL
   g. FIELD VERIFICATION TEST RESULTS
3. BULKHEAD
   a. WORK PLAN
   b. BULKHEAD ALIGNMENT PLAN
   c. SHOP DRAWINGS FOR ALL PILING AND CONNECTIONS
   d. PILE DRIVING EQUIPMENT AND METHODS
   e. MATERIAL TEST REPORTS FOR ALL MATERIALS
   f. DRIVING RECORDS
   g. COATING PRODUCT DATA
   h. HOLIDAY AND DRY FILM THICKNESS TEST RESULTS
   i. GROUT SOCK DATA AND INSTALLATION METHOD
4. EARTHWORK
   a. BULKHEAD FILL MATERIAL
   b. ASPHALT, BASE, SUBBASE
5. STRUCTURAL AND MISCELLANEOUS STEEL
   a. MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. SHOP DRAWINGS
      i. WALE AND SPLICES
      ii. PLATES, BARS, AND FASTENERS
      iii. ANCHOR BOLTS
      iv. TIE ROD BAR
      v. TIE ROD EYE LINK
      vi. T-BAR CONNECTOR
   c. WELDER QUALIFICATIONS
   d. WELD PROCEDURES AND QUALIFICATIONS
   e. MANUFACTURER DATA FOR ADHESIVE ANCHOR BONDING MATERIAL
6. CATHODIC PROTECTION
   a. SYSTEM SHOP DRAWINGS
   b. INSTALLATION METHODS AND WORK PLAN
   c. SHOP DRAWINGS OF PROPOSED SYSTEM
7. MOORING BOLLARDS
   a. PRODUCT DATA AND MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. DESIGN CALCULATIONS FOR EACH FITTING
   c. SHOP DRAWINGS OF EACH BOLLARD AND ASSOCIATED CONNECTING HARDWARE
8. MARINE FENDER SYSTEMS
   a. PRODUCT DATA AND MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. DESIGN CALCULATIONS
   c. SHOP DRAWINGS OF SYSTEM AND ASSOCIATED CONNECTING HARDWARE
9. VIBRO-COMPACTION
   a. SHOP DRAWINGS INDICATING SPACING AND LOCATION OF VIBRO-POINTS.
   b. DAILY LOG INCLUDING PROBE NUMBER, START/FINISH TIME, DEPTH OF TREATMENT, AND APPROXIMATE BACKFILL QUANTITIES.
   c. GRAIN SIZE DISTRIBUTION ANALYSIS OF PROPOSED BACKFILL.
   d. PROPOSED WORK PLAN INCLUDING EQUIPMENT.
   e. COMPLETION REPORT BY TESTING FIRM WITH REQUIRED TEST RESULTS.
10. PRECAST CONCRETE-STORM DRAIN SYSTEM
    a. SHOP DRAWINGS
    b. DESIGN CALCULATIONS

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT



NOTES:

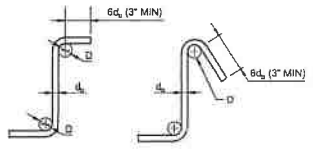
D=6d_b FOR #3 THRU #8

D=8d_b FOR #9 THRU #11

D=10d_b FOR #14 THRU #18

TYPICAL REINFORCING HOOKS

SCALE: NTS



BAR SIZE	#3	#4	#5	#6	#7	#8
D	1 1/2"	2"	2 1/2"	4 1/2"	5 1/4"	6"

TYPICAL STIRRUP AND TIE HOOKS

SCALE: NTS

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
STRUCTURAL NOTES (2 OF 2)

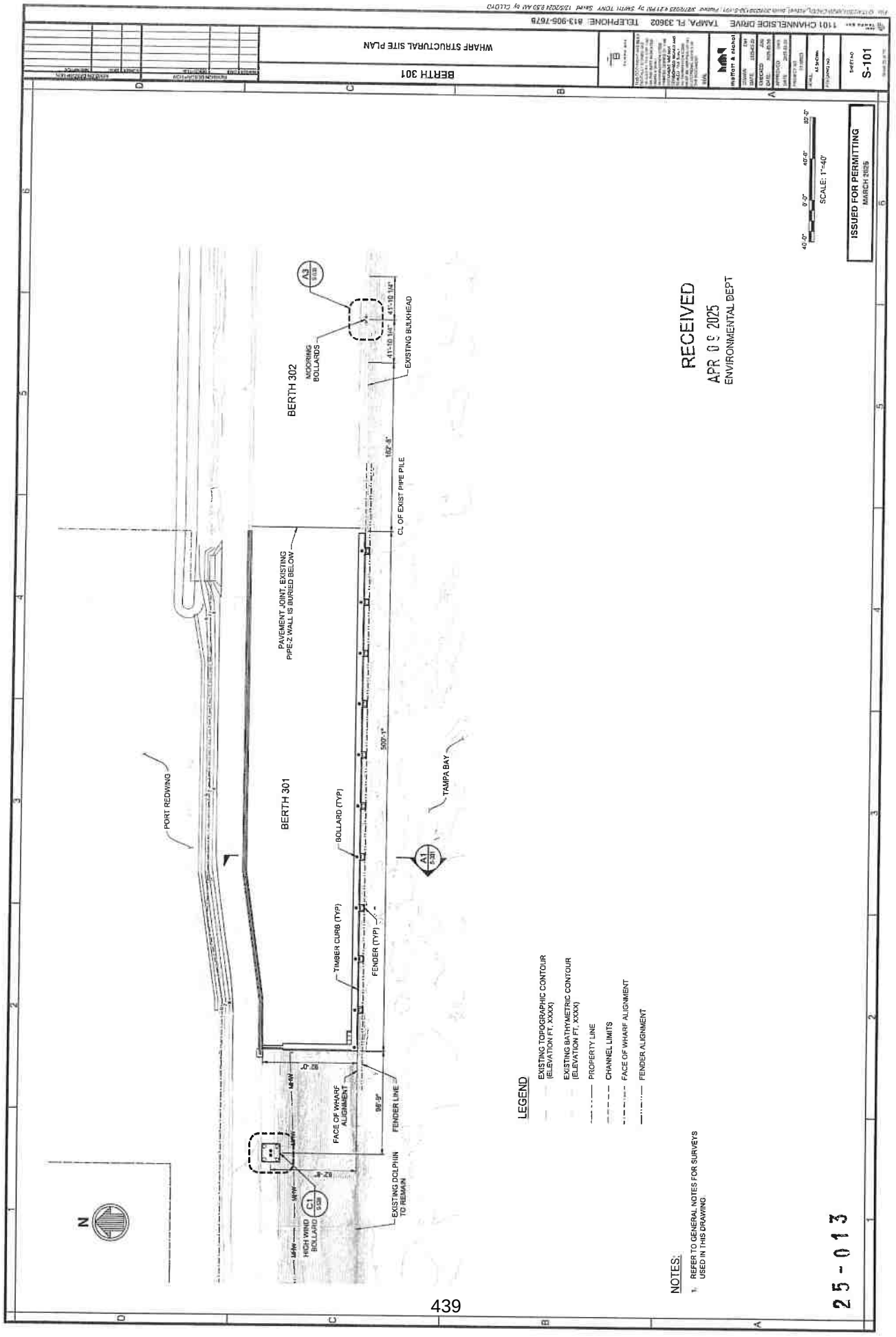
moffatt & nichol
DRAWN: CML
DATE: 2025-03-20
CHECKED: JDO
DATE: 2025-03-20
APPROVED: SWS
DATE: 2025-03-20
PROJECT NO: 23-0023
SCALE: AS SHOWN
DRAWING NO:
S-002

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

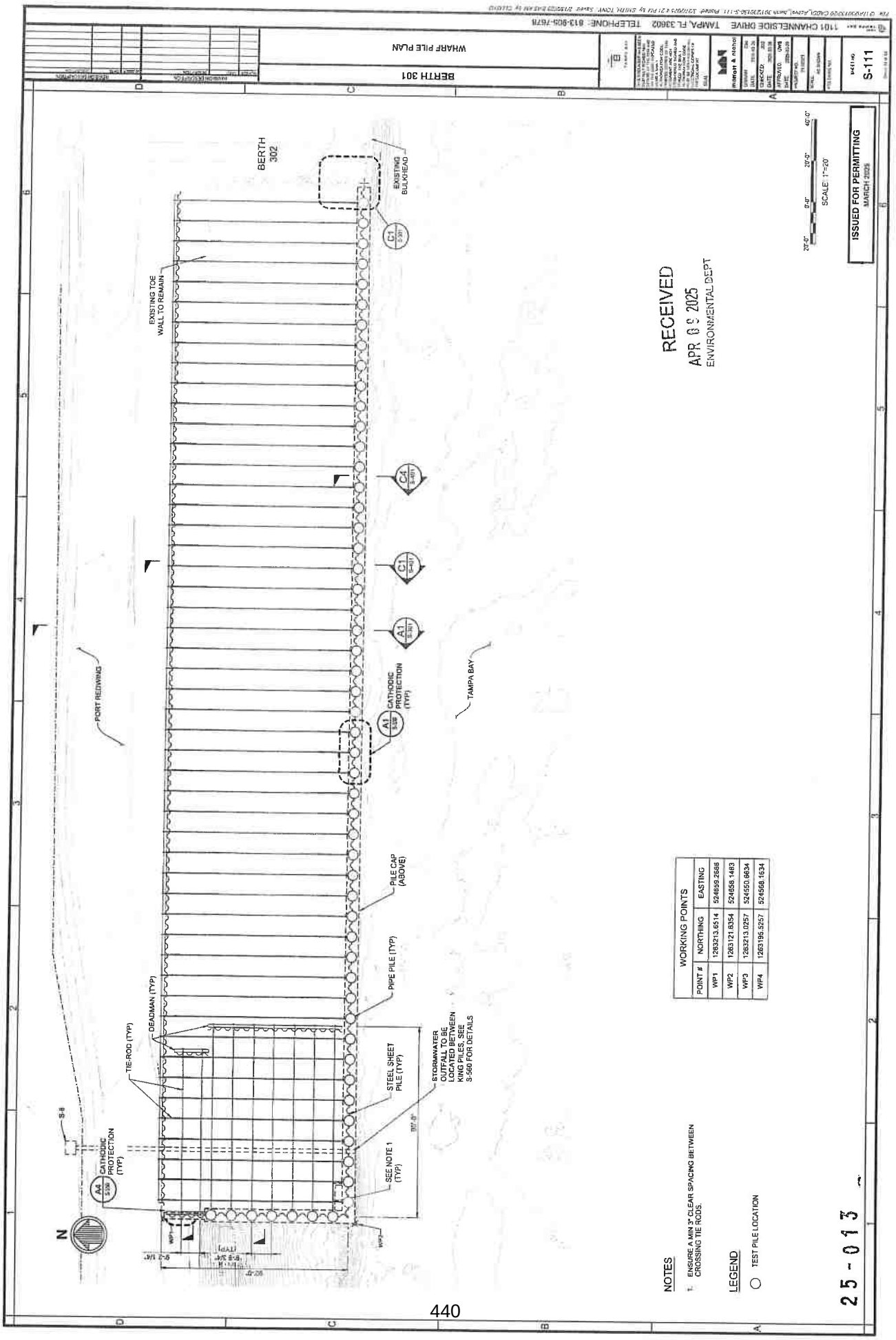
File: O:\TA\23\23023 CADD_Active_berth 301\23023-S-002 - Plotted: 3/27/2025 4:20 PM by SMITH, TONY - Saved: 10/17/2024 12:15 PM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

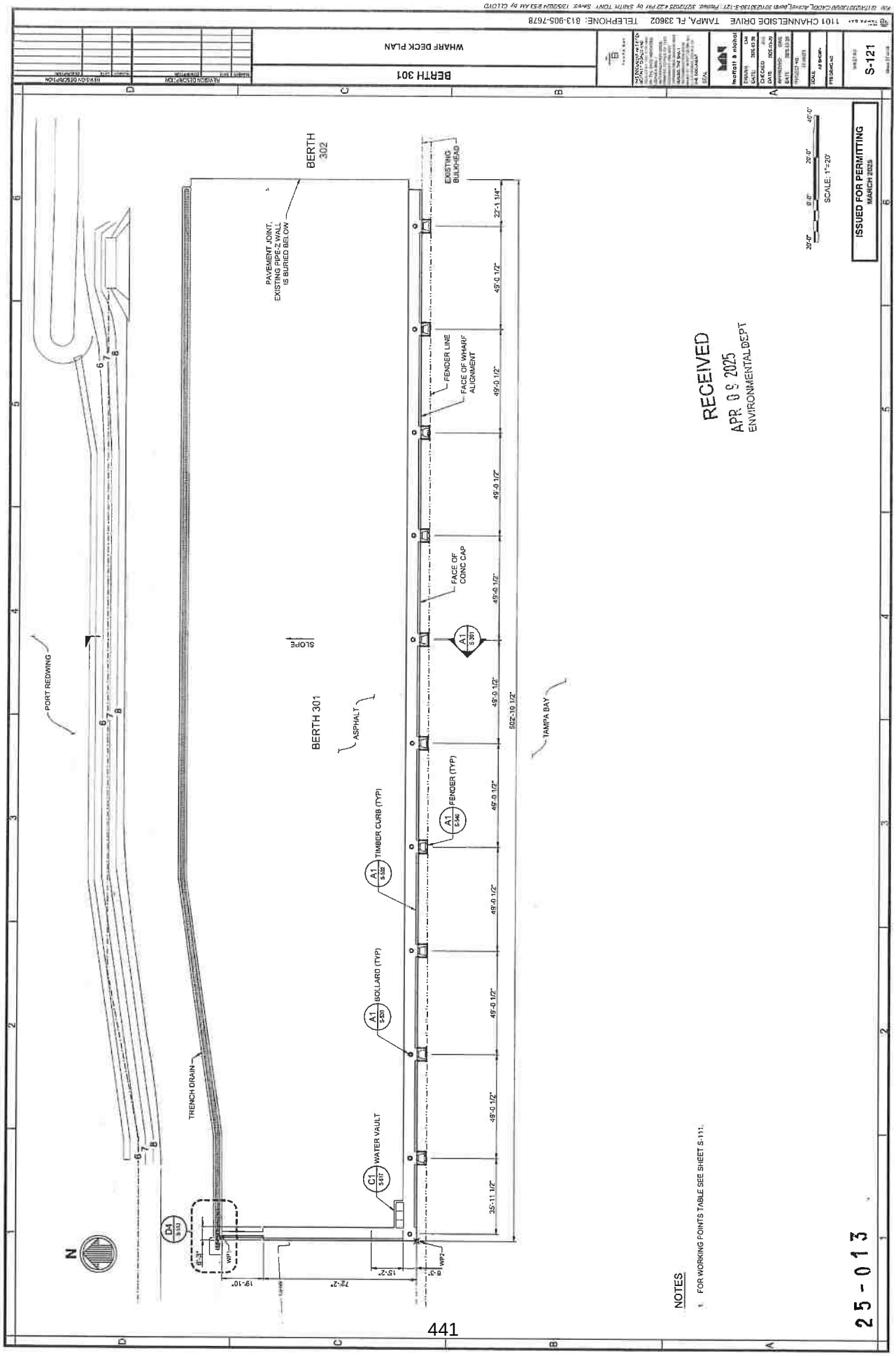
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



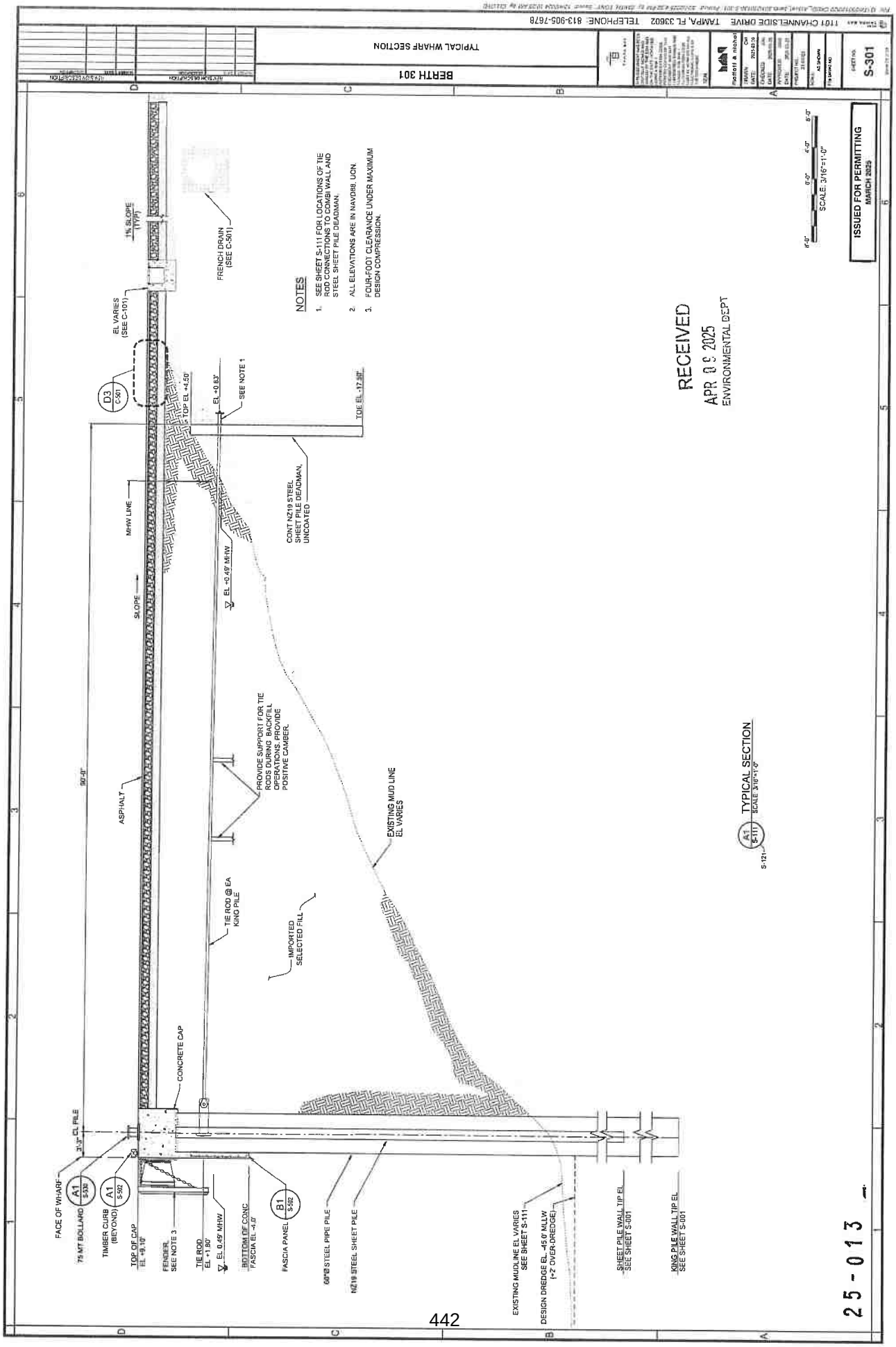
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



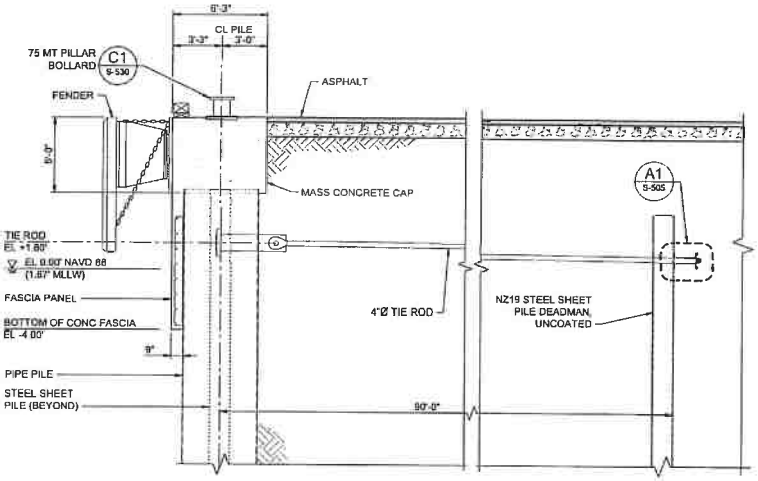
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



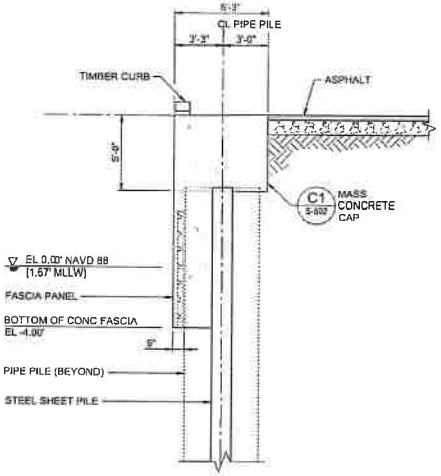
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

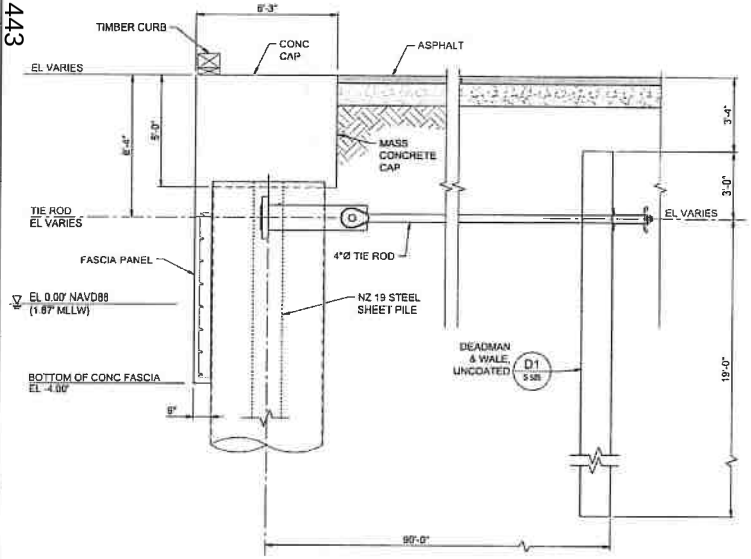


C1 S-111 SECTION AT PIPE PILE
SCALE: 1/4" = 1'-0"

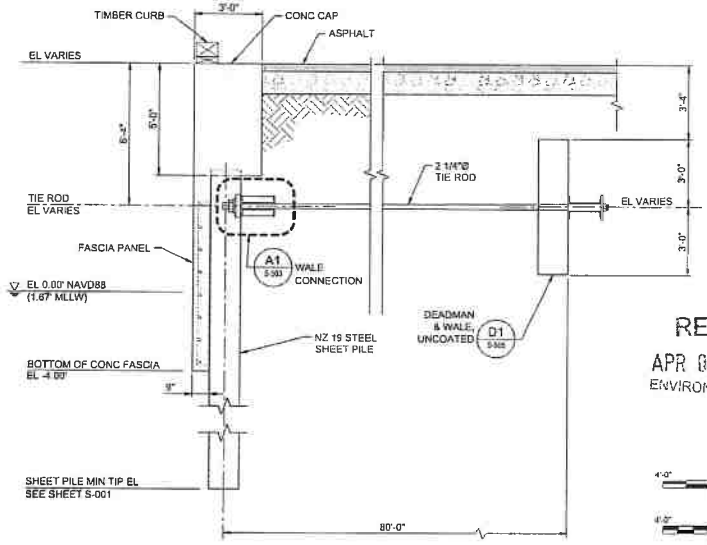


C4 S-111 SECTION AT SSP
SCALE: 1/4" = 1'-0"

443



A1 S-111 SECTION - RETURN WALL AT KING PILE
SCALE: 3/8" = 1'-0"



A4 S-111 SECTION - RETURN WALL AT SSP
SCALE: 3/8" = 1'-0"

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

4'-0" 0'-0" 2'-0" 4'-0"
SCALE: 3/8"=1'-0"

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"

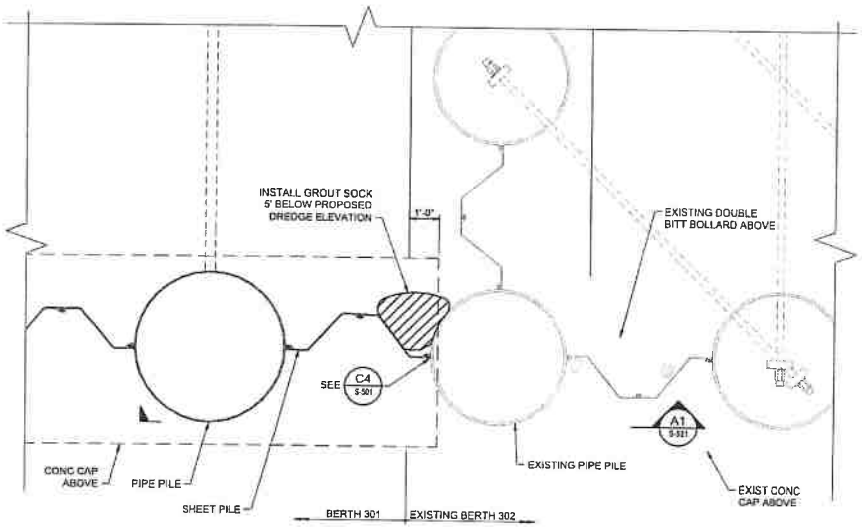
ISSUED FOR PERMITTING
MARCH 2025

25-013

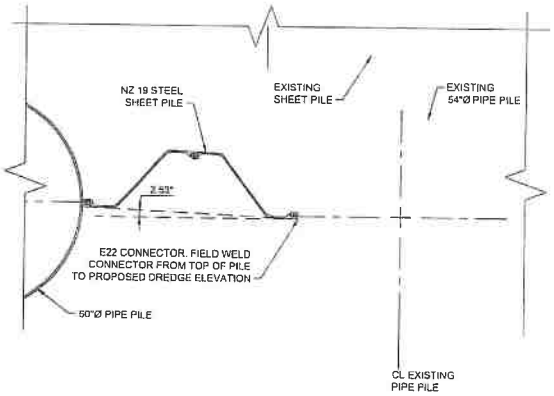
BERTH 301
ENLARGED WHARF SECTIONS

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

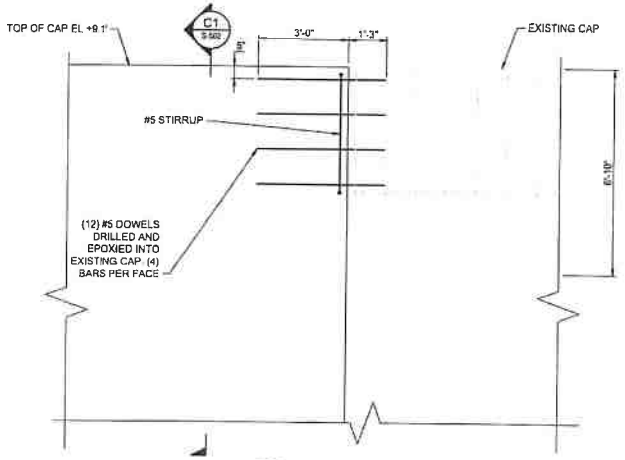
S-401



C1 S-111 DETAIL - GROUT SOCK
SCALE: 1/2" = 1'-0"



C4 S-501 DETAIL - SHEET PILE CONNECTION
SCALE: 3/4" = 1'-0"



A1 S-501 SECTION
SCALE: 1/2" = 1'-0"

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

2'-0" 0'-0" 1'-0" 2'-0"
SCALE: 3/4"=1'-0"

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
BULKHEAD CONNECTION DETAILS

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

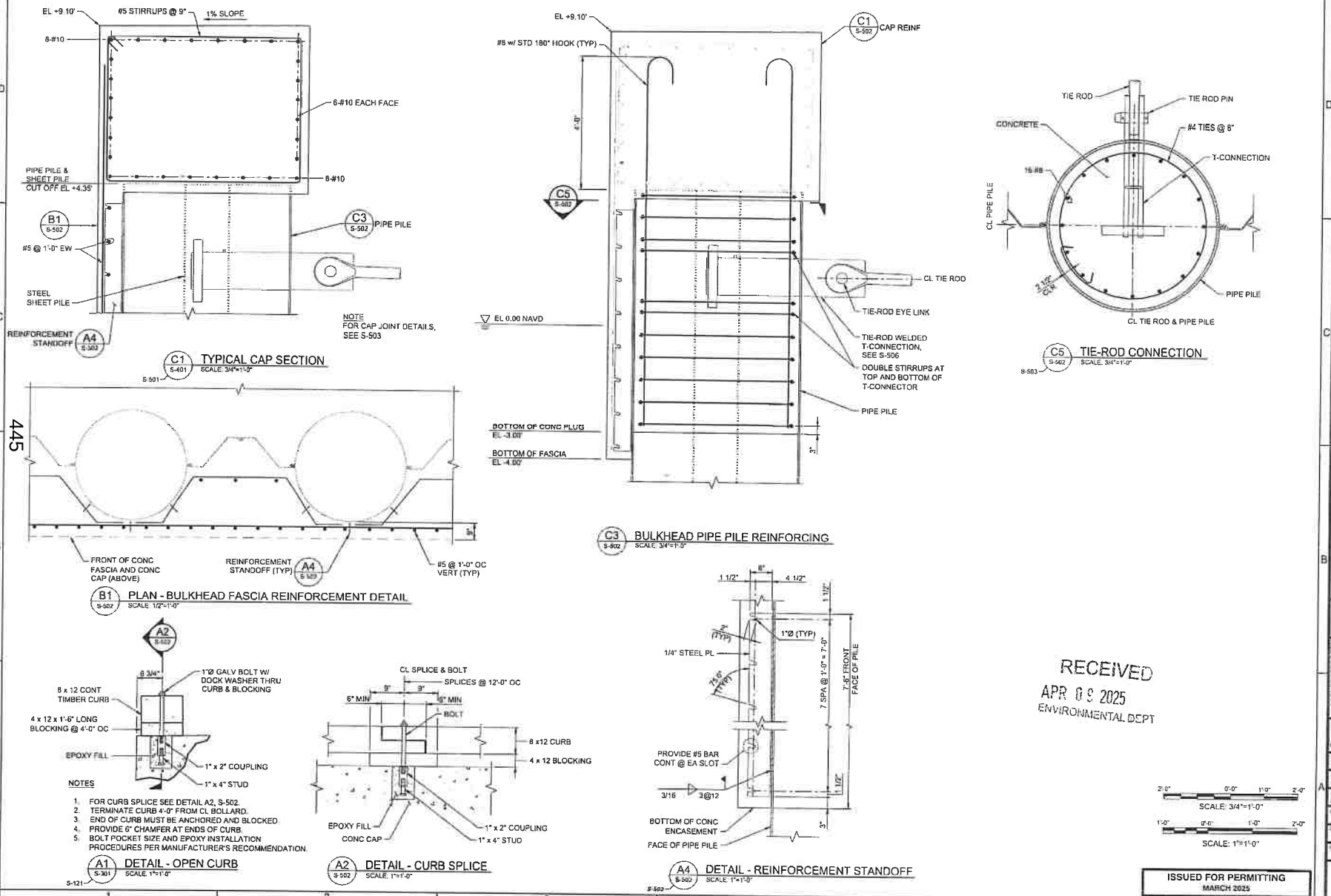
S-501

444

25-013

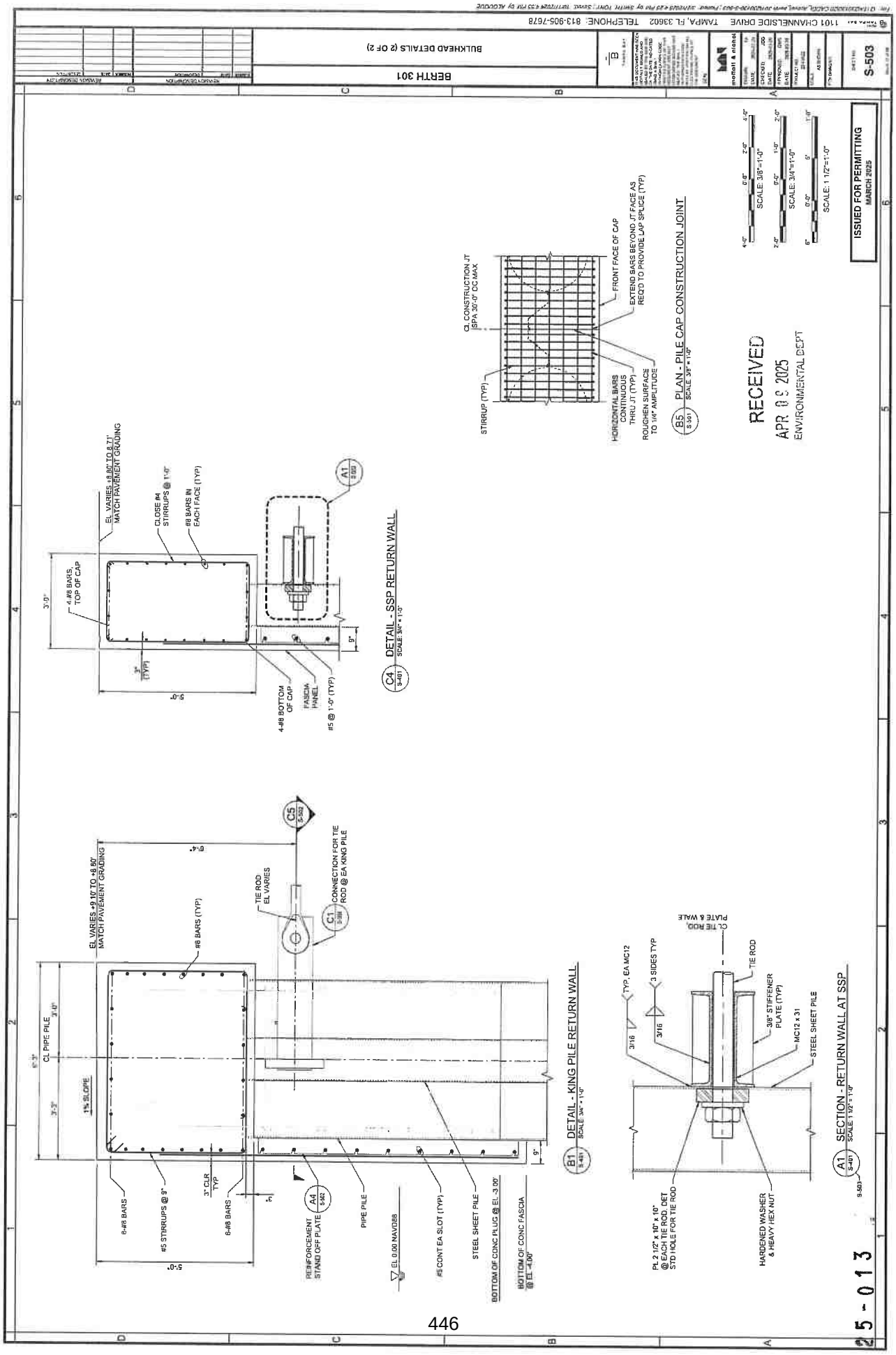
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

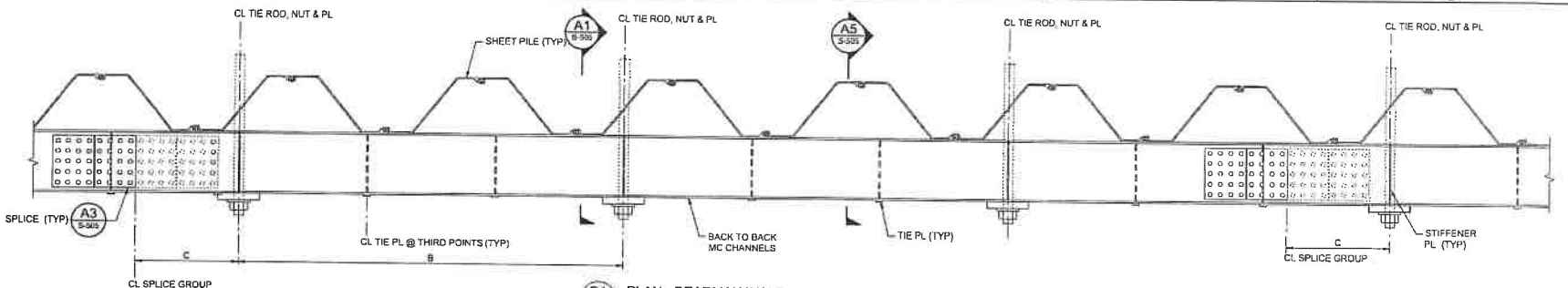
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



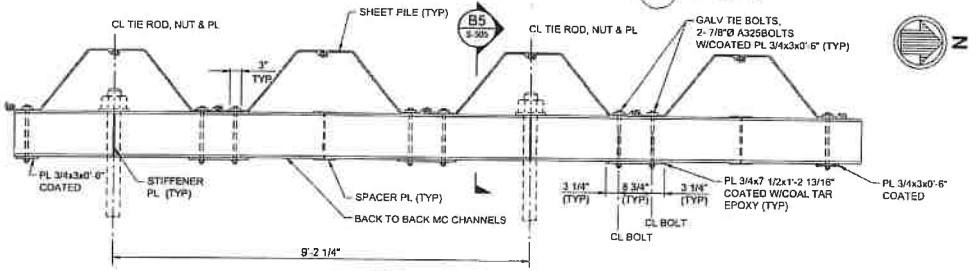
25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



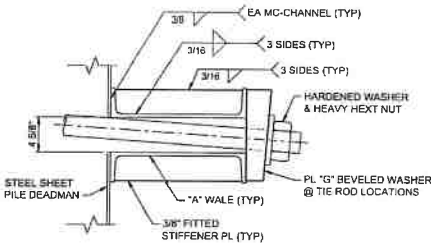


D1 S-401 PLAN - DEADMAN WALE
SCALE: 3/4" = 1'-0"

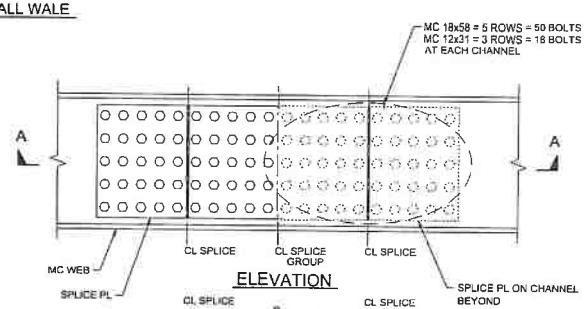


C1 S-505 PLAN - RETURN WALL WALE
SCALE: 3/4" = 1'-0"

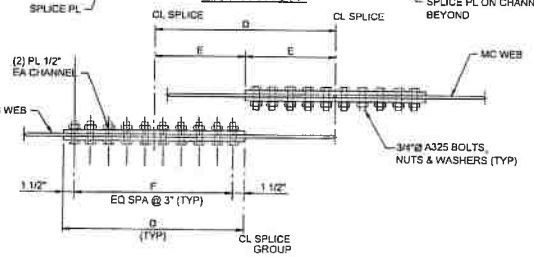
DIMENSION TABLE		
LABEL	4" Ø TIE RODS	2.5" Ø TIE RODS
A	MC 18x58	MC 12x31
B	9.81"	9.186"
C	3.00"	2.00"
D	2.50"	1.50"
E	1.25"	9"
F	2.25"	1.25"
G	1/2"x12"x3.5"	10"x10"x2.5"



A1 S-505 SECTION - DEADMAN & WALE
SCALE: 1 1/2" = 1'-0"
S-401

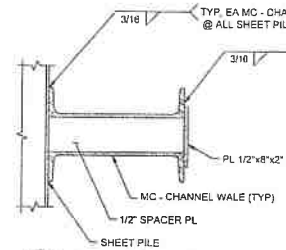


ELEVATION

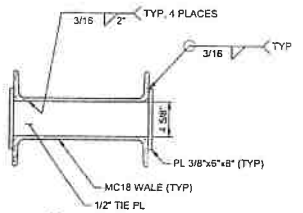


A-A

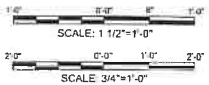
A3 S-505 DETAIL - PLATE OFFSET
SCALE: 1 1/2" = 1'-0"



B5 S-505 SECTION - SPACER PLATE
SCALE: 1 1/2" = 1'-0"



A5 S-505 SECTION - TIE PLATE
SCALE: 1 1/2" = 1'-0"



RECEIVED
APR 08 2025
ENVIRONMENTAL DEPT.

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
WALE AND TIE ROD DETAILS (1 OF 2)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

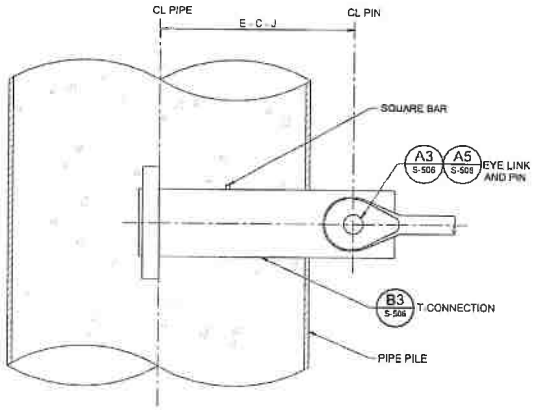
DRAWN TA
DATE 2025-03-28
CHECKED JBD
DATE 2025-03-28
APPROVED CMS
DATE 2025-03-28
PROJECT NO 25-0022
SCALE AS SHOWN
FT & DRWG NO

SHEET NO
S-505

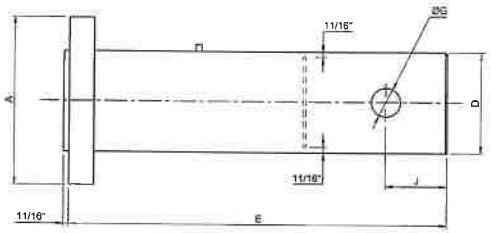
447

25-0113

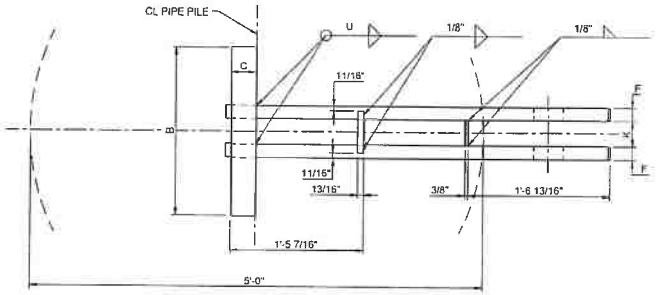
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



C1 S-506 DETAIL - T-PLATE CONNECTION WITH PIN
SCALE: 1" = 1'-0"



ELEVATION

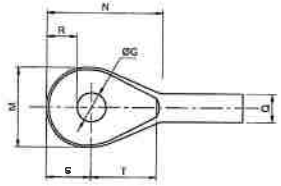


PLAN

B3 S-506 DETAIL - T-CONNECTION
SCALE: 1 1/2" = 1'-0"

DIMENSION TABLE	
LABEL	4" DIA TIE RODS
FORGED EYE*	M105 / 95
A	18.5"
B	18.5"
C	2.75"
D	11"
E	57.75"
F	1.375"
G	4.065"
H	3.94"
J	6"
K	3.28"
L	7.03"
M	10.04"
N	13.07"
P	3.15"
Q	3.75"
R	2.99"
S	5.02"
T	8.05"
U	1/2"

* ANKER SCHROEDER ASDO [EN1993-5] OR APPROVED EQUAL

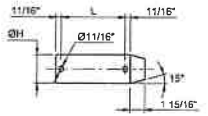


ELEVATION



PLAN

A3 S-506 DETAIL - TYPICAL EYE LINK
SCALE: 1 1/2" = 1'-0"



A5 S-506 DETAIL - TYPICAL PIN
SCALE: 1 1/2" = 1'-0"

NOTE: PIN MUST BE FABRICATED FROM MATERIAL CONFORMING TO AISI 4340

NOTES

1. HOT DIP GALVANIZE T-CONNECTIONS AFTER FABRICATION.
2. FABRICATION OF T-CONNECTIONS MUST BE OBSERVED BY A CERTIFIED WELD INSPECTOR AFTER FABRICATIONS. THE INSPECTOR MUST PERFORM A VISUAL INSPECTION AND MAGNETIC PARTICLE TEST ON EACH WELD. ALL DEFECTIVE WELDS MUST BE CORRECTED.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

1'-0" 0'-0" 6" 1'-0"
SCALE: 1 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
WALE AND TIE ROD DETAILS (2 OF 2)

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

moffatt & nichol

DRAWN
DATE 2025-03-26
CHECKED
DATE 2025-03-26
APPROVED DATE
DATE 2025-03-26
PROJECT NO 25-0013
SCALE AS SHOWN
PTW DWG NO

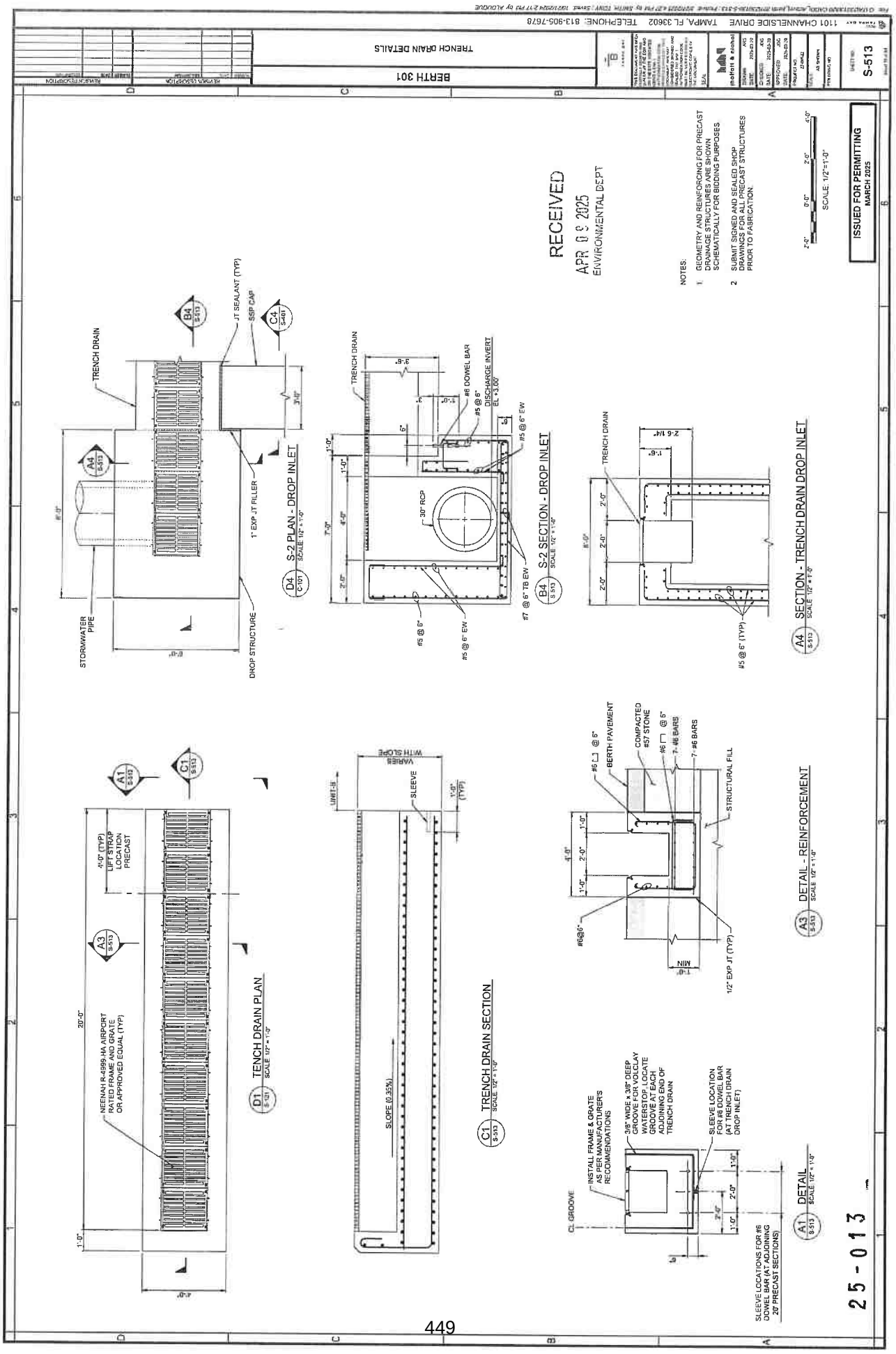
SHEET NO S-506

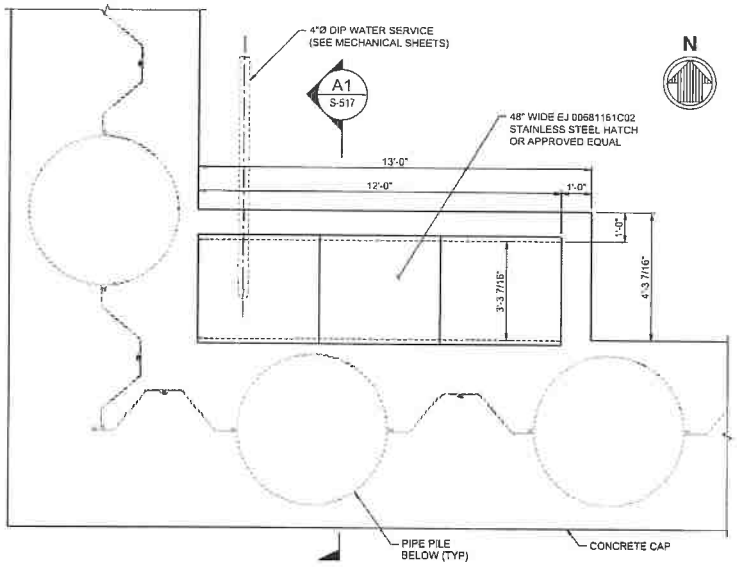
448

25-013

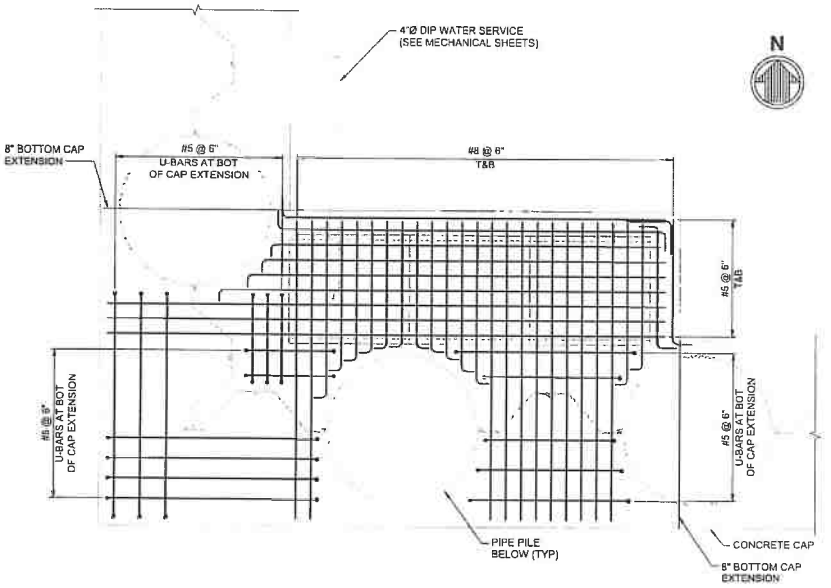
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

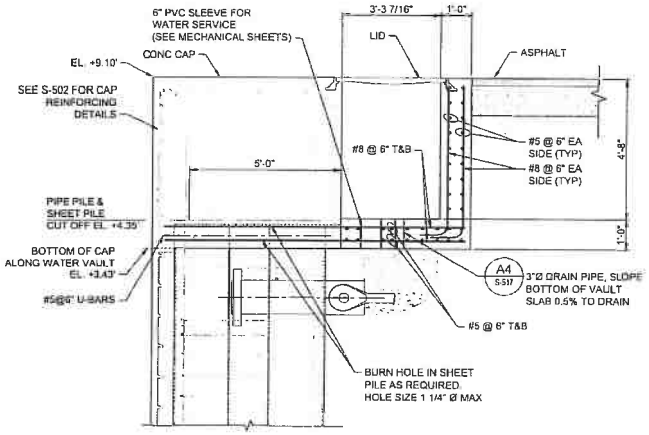




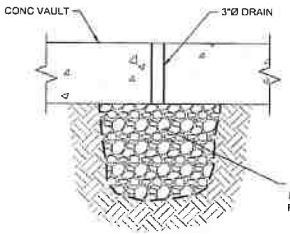
C1 S-121 DETAIL - WATER VAULT
SCALE: 1/2"=1'-0"



C4 S-121 DETAIL - WATER VAULT REINFORCEMENT - BOTTOM SLAB
SCALE: 1/2"=1'-0"



A1 S-517 SECTION - WATER VAULT
SCALE: 1/2"=1'-0"



A4 S-121 DETAIL - FRENCH DRAIN
SCALE: 3/4"=1'-0"

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

2'-0" 0'-0" 1'-0" 2'-0"
SCALE: 3/4"=1'-0"

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
UTILITY VAULT DETAILS

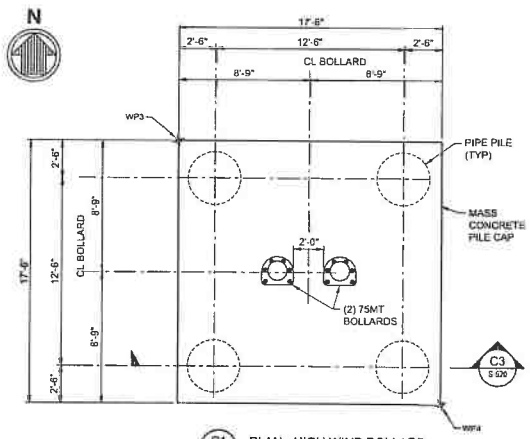
moffatt & nichol
TAMPA, FL 33602 TELEPHONE: 813-905-7678
1101 CHANNELSIDE DRIVE

S-517

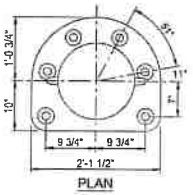
450

25 - 013

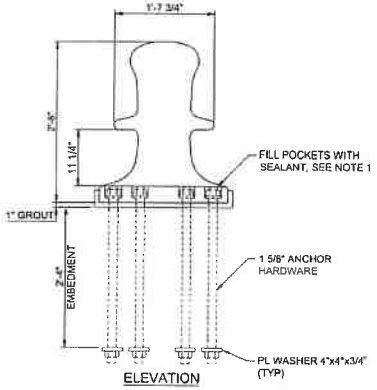
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



C1 S-101 PLAN - HIGH WIND BOLLARD
SCALE: 1/4" = 1'-0"

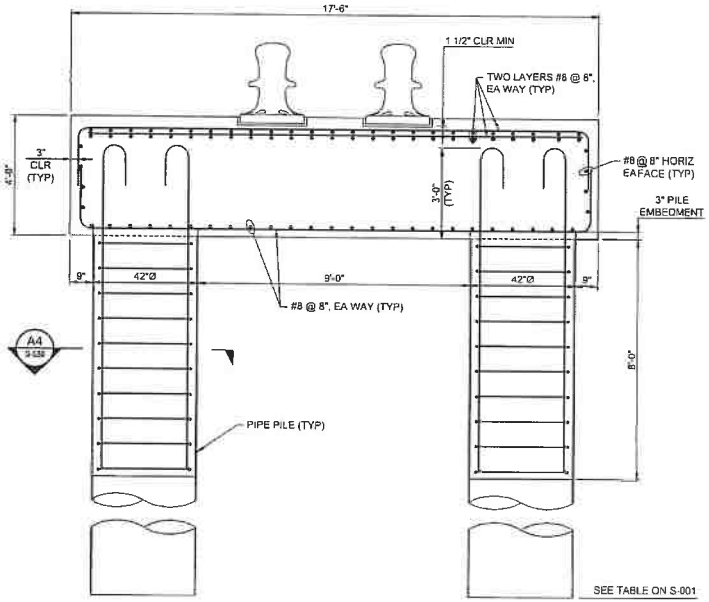


PLAN

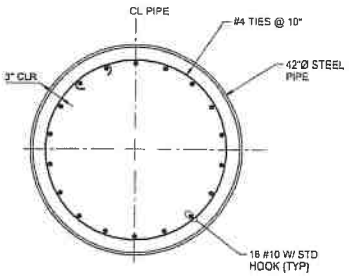


ELEVATION

A1 S-520 DETAIL - 75MT BOLLARD
SCALE: 1" = 1'-0"



C3 S-520 DETAIL - HIGH WIND BOLLARD REINFORCEMENT
SCALE: 1/2" = 1'-0"



A4 S-520 SECTION - 42 INCH DIAMETER STEEL PIPE PILE PLUG
SCALE: 1" = 1'-0"

NOTES

1. SEALANT MUST CONFORM TO ASTM C920 TYPE M, GR P, CLASS 25, USE T POLY ELASTOMERIC SEALANT.
2. BOLLARD EMBEDMENT LENGTHS SHOWN ARE MINIMUMS. BOLLARD MANUFACTURER TO PROVIDE EMBEDMENT LENGTHS BASED ON THEIR DESIGN OF THE CONNECTION. ACTUAL LENGTH MAY BE LONGER THAN INDICATED.
3. FILL BOLLARDS WITH NON-SHRINK GROUT AFTER INSTALLATION.
4. FOR WORKING POINTS TABLE SEE SHEET S-111.

LEGEND

○ TEST PILE LOCATION

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

SCALE: 1/4"=1'-0"
SCALE: 1"=1'-0"
SCALE: 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
HIGH WIND BOLLARD DETAILS

inoffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

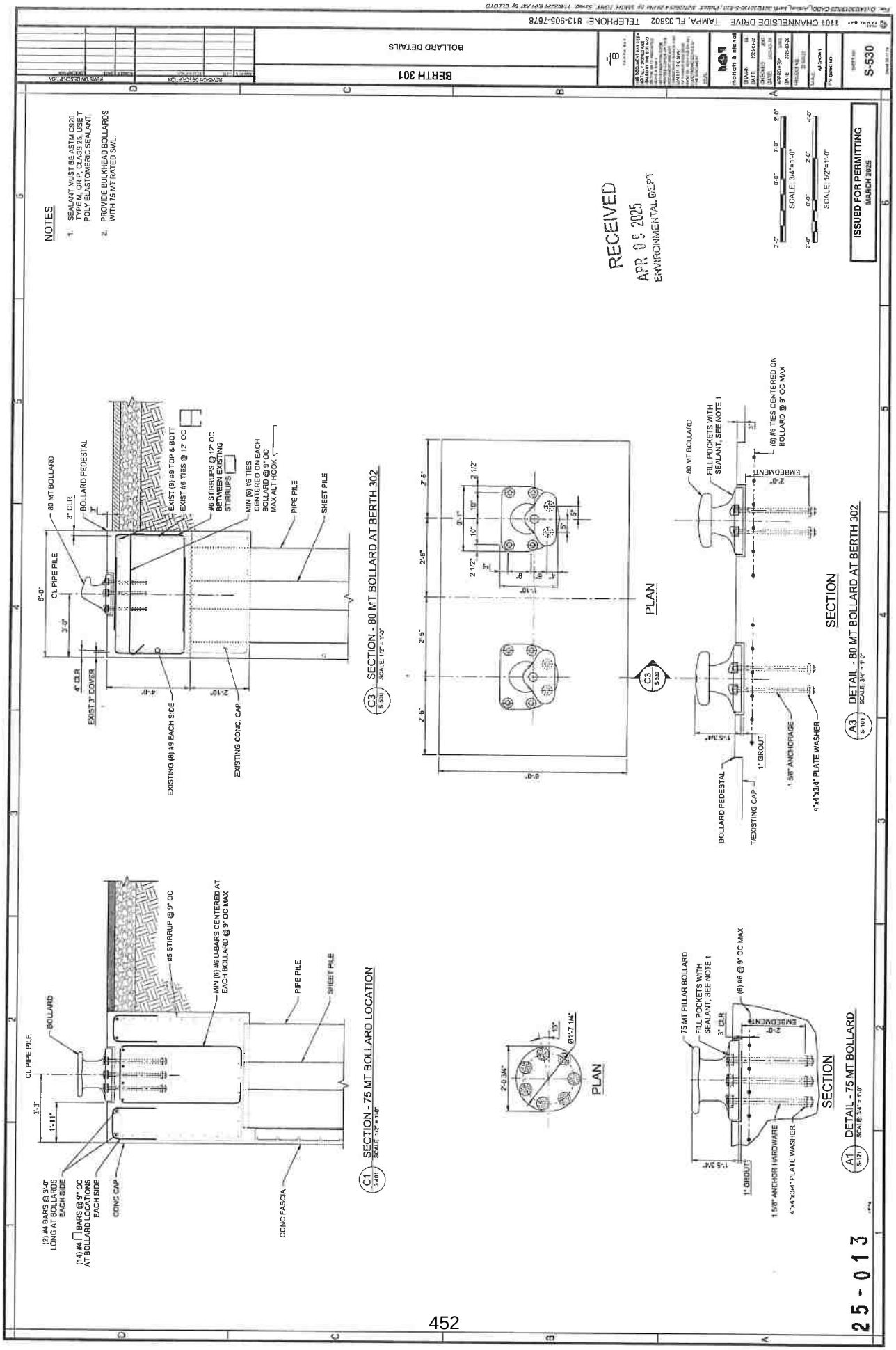
S-520

25-013

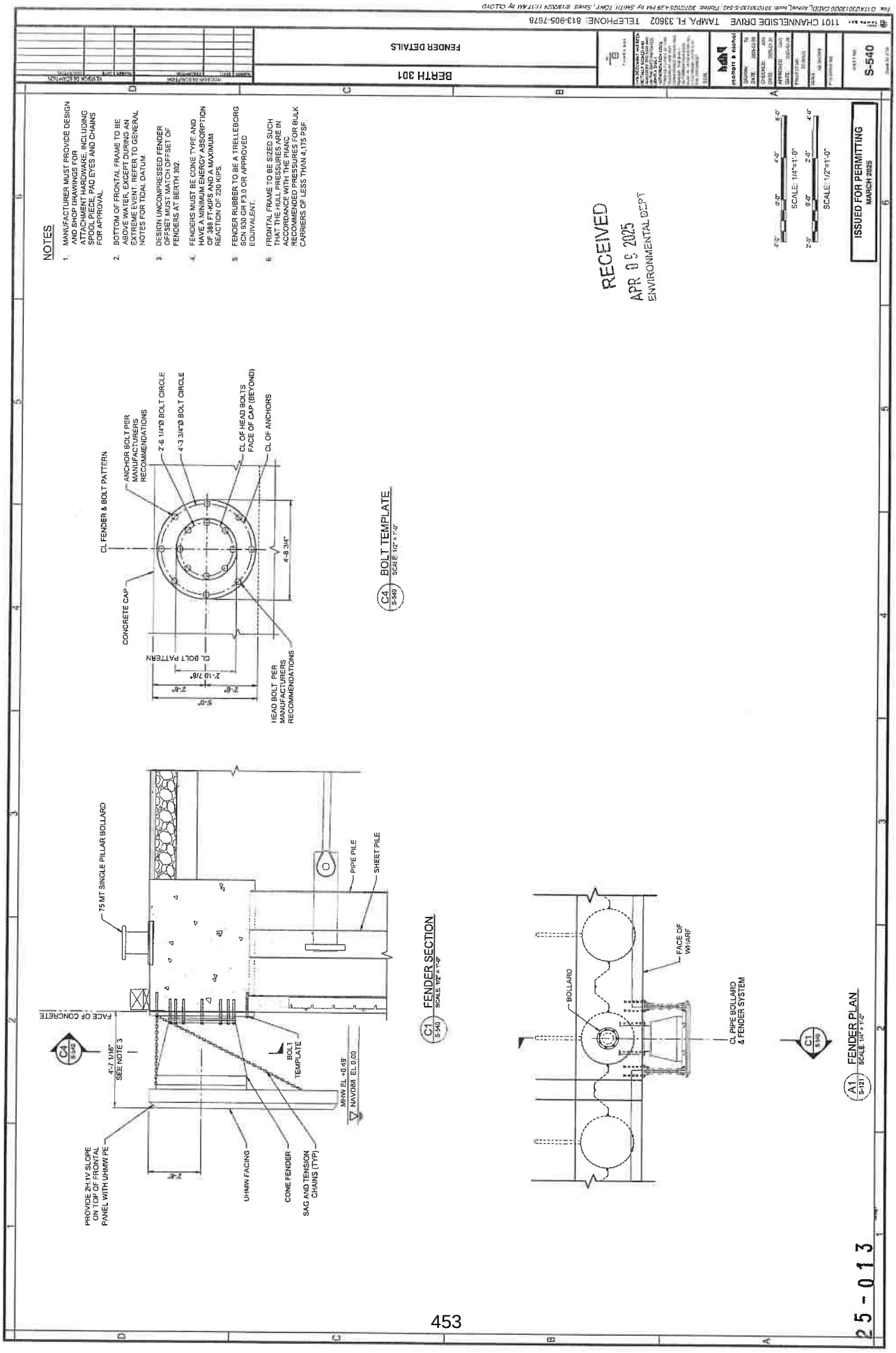
451

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

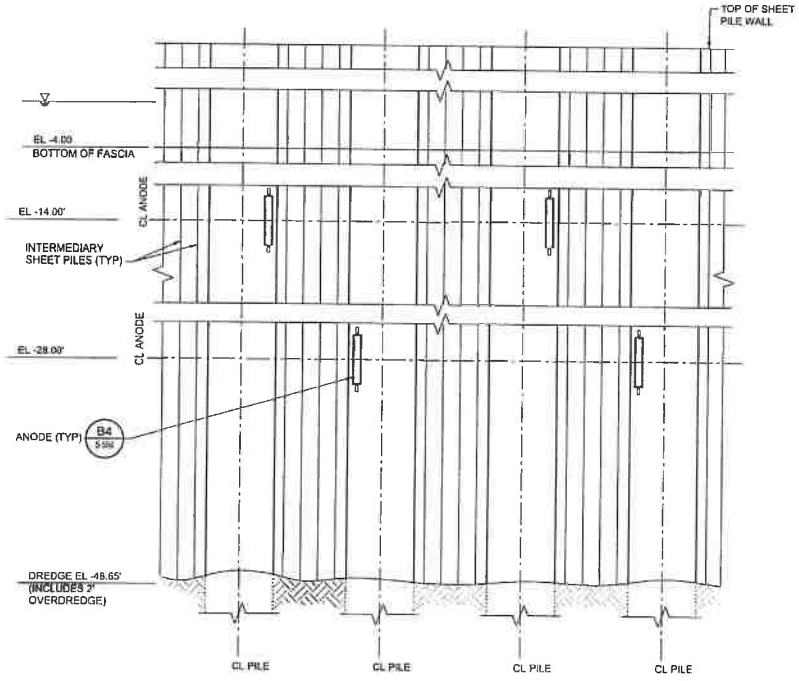
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



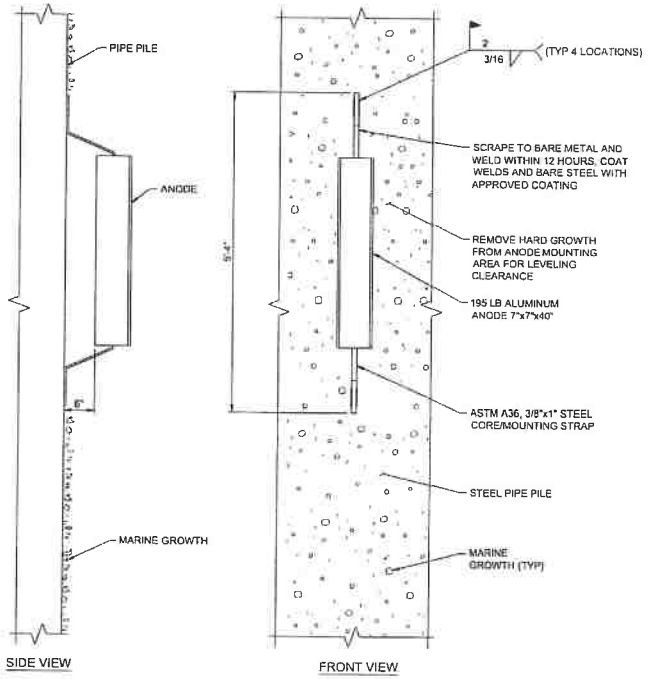
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



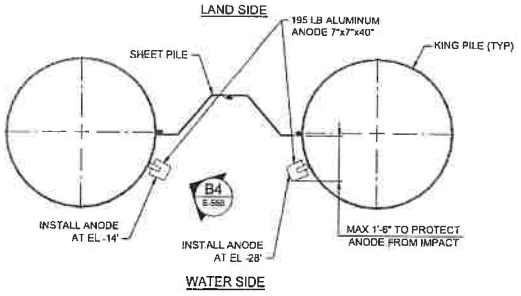
B1 S-550 ELEVATION - ANODE ARRANGEMENT AT WATERSIDE BULKHEAD
SCALE: 1/4" = 1'-0"



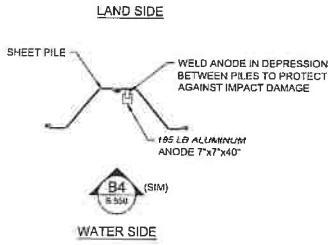
B4 S-550 ELEVATION - ANODE INSTALLATION DETAILS
SCALE: 1" = 1'-0"

NOTES

1. CONCRETE CAP AND OTHER APPURTENANCES NOT SHOWN FOR CLARITY.



A1 S-111 PLAN - ANODE PLACEMENT AT COMBINATION SECTION
SCALE: 1/2" = 1'-0"



A4 S-111 PLAN - ANODE PLACEMENT NZ PILE PAIR
SCALE: 1/2" = 1'-0"

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

SCALE: 1"=1'-0"
SCALE: 1/2"=1'-0"
SCALE: 1/4"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
CATHODIC PROTECTION DETAILS

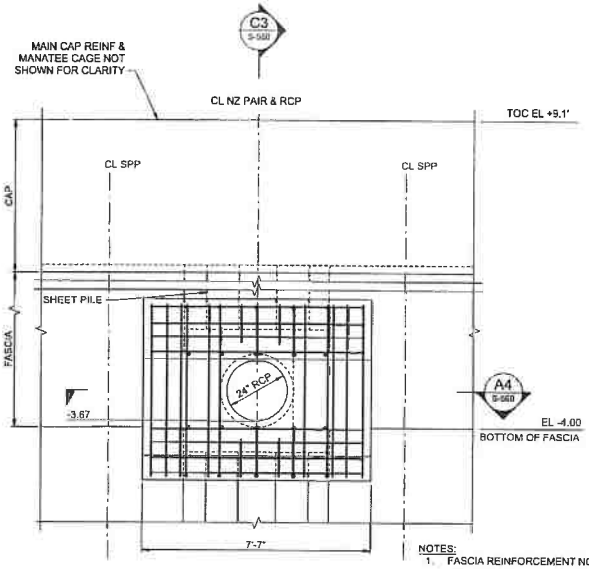
moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

S-550

454

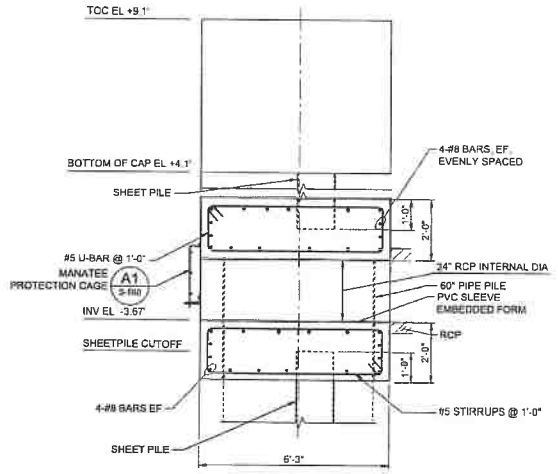
25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



NOTES:
1. FASCIA REINFORCEMENT NOT SHOWN FOR CLARITY.
2. TERMINATE FASCIA REINFORCEMENT INTERRUPTED BY OUTFALL WITH STD 90° HOOKS AS NEEDED.

C2 S-560 BULKHEAD PENETRATION DETAIL
SCALE: 1/2"=1'-0"

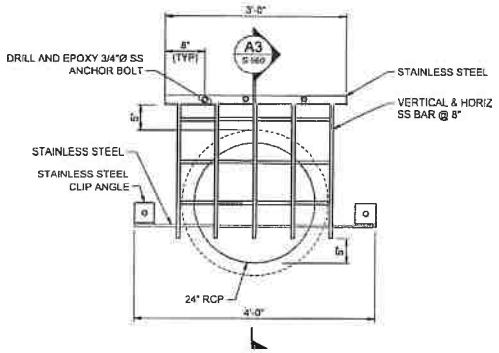


NOTE: MAIN CAP & FASCIA REINF NOT SHOWN FOR CLARITY.

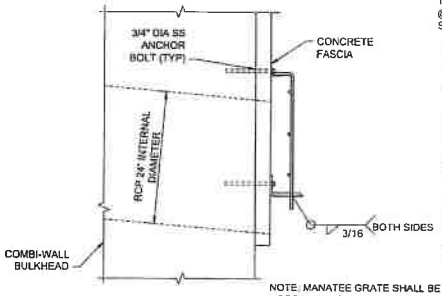
C3 S-560 SECTION
SCALE: 1/2"=1'-0"

NOTES:
1. CONNECTION BETWEEN RCP AND PENETRATION SHALL PROVIDE A WATERTIGHT SEAL.
2. WHERE RCP INTERSECTS THE DEADMAN ANCHOR WALL, CUT A PENETRATION IN THE WALL NO LARGER THAN THE OUTER PIPE DIAMETER PLUS 2 INCHES TO PASS THE PIPE. PROVIDE A PROTECTIVE RUBBER GASKET BETWEEN THE PIPE AND CUT WALL TO PREVENT PIPE DAMAGE.

RECEIVED
APR 08 2025
ENVIRONMENTAL DEPT

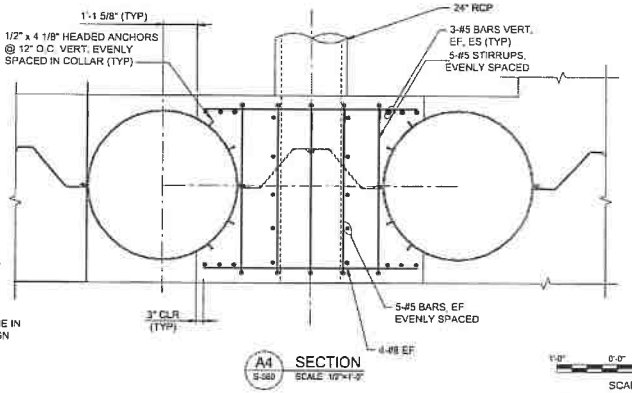


FRONT ELEVATION



NOTE: MANATEE GRATE SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX NO. 430-001

SIDE ELEVATION



A4 S-560 SECTION
SCALE: 1/2"=1'-0"

A1 S-560 ELEVATION - MANATEE PROTECTION CAGE
SCALE: 1"=1'-0"

A3 S-560 SECTION - MANATEE PROTECTION CAGE
SCALE: 1"=1'-0"

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
BULKHEAD PENETRATION SECTIONS & DETAILS
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678
moffatt & nichol
DRAWN: CME DATE: 2025-03-20
CHECKED: JMG DATE: 2025-03-20
APPROVED: GWS DATE: 2025-03-20
PROJECT NO: 23-0027
SCALE: AS SHOWN
FILE NAME/NO.
SHEET NO. S-560

25-013

455

File: C:\Revit\Projects\25-013_Berth 301\Berth 301_S-560.rvt Printed: 3/27/2025 4:30 PM by SMITH, CONT Saved: 3/25/2025 11:49 AM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

MECHANICAL ABBREVIATIONS

AD/AP	ACCESS DOOR/ACCESS PANEL
AG	ABOVE GRADE
APPROX	APPROXIMATELY
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWS	AMERICAN WELDING SOCIETY
BFP	BACK FLOW PREVENTER
BOP	BOTTOM OF PIPE
BV	BALL VALVE
℄	CENTERLINE
CHV	CHECK VALVE
CI	CAST IRON
CONC	CONCENTRIC
CONT	CONTINUATION
CS	CARBON STEEL
Cu	COPPER
DEPT	DEPARTMENT
DI	DUCTILE IRON
DIA, Ø	DIAMETER
DN	DOWN
DWGS	DRAWINGS
EA	EACH
ECC	ECCENTRIC
EL	ELEVATION
ELECT	ELECTRICAL
ELL	ELBOW
EMBED	EMBEDMENT
EXIST, (E)	EXISTING
EXP	EXPANSION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FRP	FIBERGLASS REINFORCED PIPE
FT	FEET
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GV	GATE VALVE
IN	INCHES
INT	INTERIOR
INV/E	INVERT ELEVATION
MAX	MAXIMUM
MIN	MINIMUM
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PE	POLYETHYLENE
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
PW	POTABLE WATER
RED	REDUCER
SCH	SCHEDULE
SS	STAINLESS STEEL
STL	STEEL
STR	STRAINER
TOP	TOP OF PIPE
TPA	TAMPA PORT AUTHORITY
TYP	TYPICAL
U	UNION
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
W/	WITH

MECHANICAL LEGEND

—— W ——	WATER LINE
	EXIST. WATER LINE
	FIRE HYDRANT
	TEE FITTING
	GATE VALVE

GENERAL MECHANICAL NOTES

1. ALL POTABLE WATER FACILITIES ARE OWNED AND OPERATED BY PORT TAMPA BAY (PTB). THESE FACILITIES MUST BE CONSTRUCTED PER STANDARD DRAWINGS AND PROVISIONS OF THE PTB, HILLSBOROUGH COUNTY PUBLIC UTILITIES TECHNICAL MANUALS, HILLSBOROUGH COUNTY HEALTH DEPARTMENT, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OSHA REGULATIONS, FDOT, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS WELL AS APPLICABLE PLUMBING CODES.
2. PTB MUST BE NOTIFIED IN WRITING OF CONFLICTS BETWEEN STANDARDS, PROVISIONS, DRAWINGS OR SPECIFICATIONS AND MUST MAKE THE FINAL RESOLUTION.
3. CONTRACTOR TO INSPECT MATERIAL USED TO CONSTRUCT THE PROJECT. MATERIAL NOT MEETING THE REQUIREMENTS HEREIN MUST BE REJECTED. ALL MATERIAL MUST BE NEW.
4. CONTRACTOR MUST TAKE CARE TO PRESERVE ALL NEW AND TO REMAIN EXISTING UTILITIES IN THE PROJECT WORK AREA. CONTRACTOR MUST REPAIR, RELOCATE OR REPLACE ALL UTILITIES DAMAGED DURING EXCAVATION OR OTHER WORK OF THIS PROJECT. UTILITY RELOCATIONS MUST COMPLY WITH CITY OF TAMPA DEVELOPMENT REGULATIONS. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK MUST BE CORRECTED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
5. COORDINATE ALL TRENCHING AND EXCAVATIONS WITH GENERAL CONTRACTOR.
6. EXCAVATIONS, SUBSURFACE PREPARATIONS, BEDDING, FILL MATERIAL REQUIREMENTS, COMPACTION, GRADING AND PAVING, AND INSPECTION SCHEDULING MUST BE AS NOTED IN CIVIL "C" DRAWINGS AND THE PROJECT SPECIFICATIONS.
7. IF THE CONTRACTOR PROPOSES AND/OR INSTALLS ALTERNATE EQUIPMENT OR SYSTEMS, IT MUST BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE ENGINEER & ALL OTHER ADMINISTRATIVE AUTHORITIES. APPROVALS FOR ALTERNATES OR SUBSTITUTIONS MUST BE OBTAINED FROM TPA/ENGINEER PRIOR TO PURCHASE & INSTALLATION OF SUCH EQUIPMENT OR SYSTEMS.
8. THE BULKHEAD STRUCTURE, INDICATED ON THE MECHANICAL DRAWINGS, IS FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR INFORMATION REGARDING THE BULKHEAD STRUCTURE.
9. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE INTEGRITY OF THE SYSTEMS. CONTRACTOR MUST PROVIDE OWNER WITH OPERATION AND MAINTENANCE INFORMATION FROM EQUIPMENT MANUFACTURER.
10. THE CONTRACTOR MUST VERIFY ALL EXISTING UTILITY LOCATIONS IN THE FIELD BEFORE STARTING WORK. THE REGIONAL NOTIFICATION CENTER (SUNSHINE 811 AT 811) MUST BE NOTIFIED 48 HOURS PRIOR TO THE START OF DIGGING OR EXCAVATION WORK IN ACCORDANCE WITH OSHA REGULATIONS. THE CONTRACTOR MUST FIELD VERIFY THE POINT OF CONNECTION. LOCATIONS OF VAULTS, PIPING AND APPURTENANT FITTINGS SHOWN ON THE PLANS (DRAWINGS) ARE APPROXIMATE. IT IS INTENDED THAT SUCH ITEMS BE LOCATED BASED ON EXACT LOCATIONS DETERMINED IN THE FIELD AND THE SUPPLIED MATERIALS. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND INFORMATION INDICATED ON THE PLANS PRIOR TO COMMENCING WITH CONSTRUCTION.
11. SCHEDULING, TRENCHING, LINE SHUTDOWN, DRAINAGE, TIE-IN, PIPE BEDDING, INSTALLATION OF NEW LINE, THRUST BLOCK PLACEMENTS, PRESSURE TESTING, DISINFECTION, FLUSHING, BACKFILL, RESURFACING, REACTIVATION OF SERVICE, ETC., MUST COMPLY WITH PTB AND HILLSBOROUGH COUNTY TECHNICAL MANUAL AND MUST BE COORDINATED WITH PTB WATER DEPARTMENT. PRIOR APPROVAL OF AND NOTICE TO PROCEED WITH THE TIE-INS ARE REQUIRED BY PTB WATER DEPARTMENT. AUTHORIZED REPRESENTATIVE MUST WITNESS TIE-IN. THE CONTRACTOR MUST BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE JURISDICTIONAL GOVERNMENTAL AGENCIES AND THE ENGINEER.
12. CONTRACTOR MUST SUBMIT SHOP DRAWINGS ON ALL PRECAST, MANUFACTURED AND FABRICATED ITEMS TO THE ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE MANUFACTURE, FABRICATION AND INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
13. ALL VAULT JOINTS MUST BE SEALED WITH AN ACCEPTABLE JOINT SEALING COMPOUND REGARDLESS OF WHETHER AN O-RING GASKET IN A PREFORMED GROOVE IS USED. ALL MANHOLE COVERS AND HATCHES MUST BE TRAFFIC RATED FOR HS-20 LOADING. THE VAULT WALL SLEEVES FOR PIPING PENETRATION MUST BE SIZED TO ACCOMMODATE MECHANICAL WATER STOP, SUCH AS LINKSEAL OR APPROVED EQUAL, WHERE NOTED, OR SEALANT. CONTRACTOR MUST COORDINATE LOCATION OF VAULT WALL SLEEVES WITH THE FINAL PIPING LOCATIONS. THE COLOR OR DECAL REQUIRED ON THE PW MANHOLE COVERS AND HATCH MUST BE DETERMINED BY PTB.
14. POTABLE WATER EQUIPMENT, SUCH AS PIPING, FITTINGS, VALVES, LININGS AND COATINGS, AND JOINT RESTRAINTS MUST BE APPROVED BY THE AGENCIES REFERRED TO IN GENERAL NOTE 1 AND MUST COMPLY WITH THE HILLSBOROUGH COUNTY WATER DEPARTMENT TECHNICAL MANUAL MATERIAL SPECIFICATIONS. ALL FITTINGS MUST BE COATED AND LINED AS SPECIFIED ABOVE FOR DUCTILE IRON PIPE.
15. THE CONTRACTOR MUST MAINTAIN AND PROTECT THE POTABLE WATER SYSTEM FROM MUD, DIRT, DEBRIS, ETC. UNTIL FINAL ACCEPTANCE. THE CONTRACTOR MUST BE REQUIRED TO CLEAN THE INTERIOR OF THE PIPE PRIOR TO HYDROTESTING.
16. THE POTABLE WATER SYSTEM MUST BE PRESSURE TESTED DOWNSTREAM OF THE POC. APPLY AND MAINTAIN THE TEST PRESSURE FOR THE DURATION IN ACCORDANCE WITH THE HILLSBOROUGH COUNTY PUBLIC UTILITIES TECHNICAL MANUALS, DURING WHICH TIME THERE WILL BE NO REDUCTION IN TEST PRESSURE. SHOULD A REDUCTION OCCUR, LEAKS MUST BE LOCATED, REPAIRED AND THE TEST REPEATED. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, CONNECTIONS, AND VALVES MUST REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE ENGINEER. CONTRACTOR TO NOTIFY ENGINEER AND MUNICIPALITY INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING TESTS.
17. THE POTABLE WATER SYSTEM MUST BE SANITIZED PRIOR TO SERVICE TIE-IN TO EXISTING SYSTEM. THE SANITIZING METHOD, PROCEDURES AND TESTING MUST BE APPROVED BY THE AGENCIES REFERRED TO IN GENERAL NOTE 1. THE CONTRACTOR MUST INSURE THAT THE WATER IN THE SYSTEM IS NOT USED FOR HUMAN CONSUMPTION DURING THE STERILIZATION PROCESS AND THAT STERILIZATION SOLUTION IS DISPOSED OF IN ACCORDANCE WITH LOCAL REQUIREMENTS. CONTRACTOR TO PERFORM CHLORINATION AND BACTERIOLOGICAL SAMPLING ON ENTIRE WATER SYSTEM. COPIES OF ALL BACTERIOLOGICAL TESTS TO BE SUBMITTED TO ENGINEER.
18. LOW POINTS, OR POCKETS, MUST BE AVOIDED.
19. INSTALL INSULATED UNIONS OR GASKET SETS AT POINTS OF CONNECTION BETWEEN ALL DISSIMILAR METALS.
20. ANY BURIED CHANGES OF DIRECTION MUST BE RESTRAINED, OR MUST HAVE RESTRAINED MECHANICAL JOINTS, "MEGA-LUG" OR APPROVED EQUAL.
21. ALL NON-BURIED PW VALVES, PIPE AND FITTINGS MUST HAVE RESTRAINED MECHANICAL JOINTS, "MEGA-LUG" OR APPROVED EQUAL, OR MUST BE FLANGED.
22. PIPE SUPPORTS INDICATED IN THE DRAWINGS AS BEING MADE FROM PIPING MUST BE STAINLESS STEEL. SHAPES, BARS AND PLATES MUST CONFORM TO ASTM A276. ANCHOR BOLTS AND MACHINE BOLTS MUST BE ASTM F593. ALL WELDING MUST CONFORM TO AWS D1.1, FIELD TREAT DAMAGED GALVANIZED FINISH AND EXPOSED THREADED SURFACES WITH TWO COATS OF ZINC RICH PAINT CONFORMING TO ASTM A-780.
23. THE VALVE OPERATOR HATCH AT GATE/CHECK VALVE VAULT MUST BE CENTRALLY LOCATED ABOVE THE GATE VALVE, WITHIN THE OPENING OF THE VALVE HATCH MUST BE STORED A VALVE OPERATING TOOL. THE TOOL MUST HAVE A T-HANDLE, OR SIMILAR, LONG SHAFT WRENCH FOR OPERATION OF THE VALVE ABOVE GRADE LEVEL. BOTTOM OF TOOL MUST FIT VALVE OPERATOR. HATCH DIAMETER MUST BE LARGE ENOUGH TO PULL VALVE WRENCH THROUGH. WRENCH TO BE STORED WITH EASY ACCESS ON A HOOK BELOW THE HATCH.
24. DUCTILE IRON PIPE MUST BE AS FOLLOWS: PIPE, EXCEPT FLANGED PIPE, AWWA C151/A21.51, PRESSURE CLASS 350. FLANGED PIPE, AWWA C115/A21.15. FITTINGS, AWWA C110/A21.10 OR AWWA C153/A21.53 FITTINGS WITH PUSH-ON JOINT ENDS CONFORMING TO THE SAME REQUIREMENTS AS FITTINGS WITH MECHANICAL-JOINT ENDS, EXCEPT THAT THE BELL DESIGN MUST BE MODIFIED, AS APPROVED, FOR PUSH-ON JOINT. FITTINGS MUST HAVE PRESSURE RATING AT LEAST EQUIVALENT TO THAT OF THE PIPE. MECHANICAL JOINTS IN ACCORDANCE WITH AWWA C111/A21.11

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

456

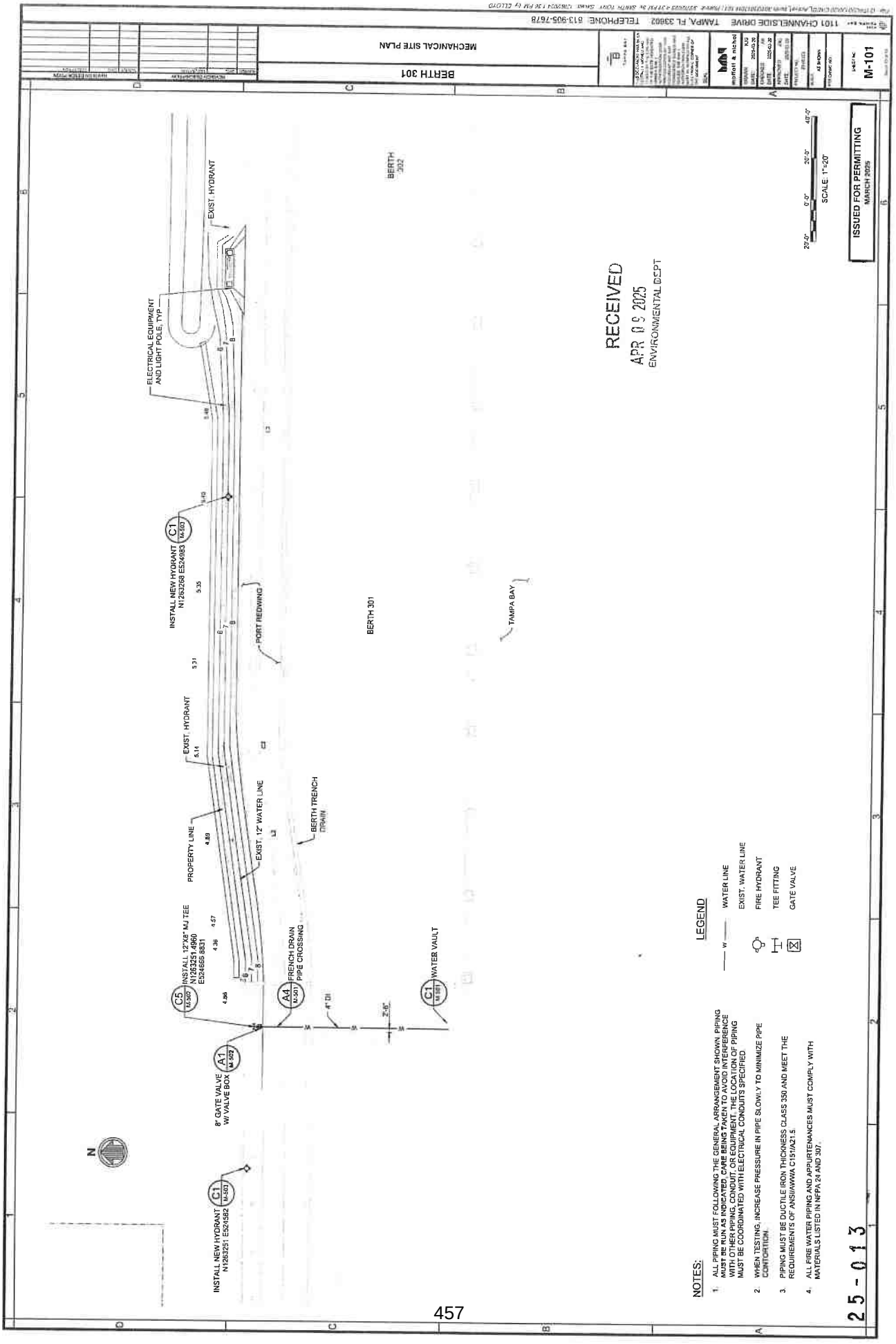
25-013

BERTH 301
MECHANICAL NOTES

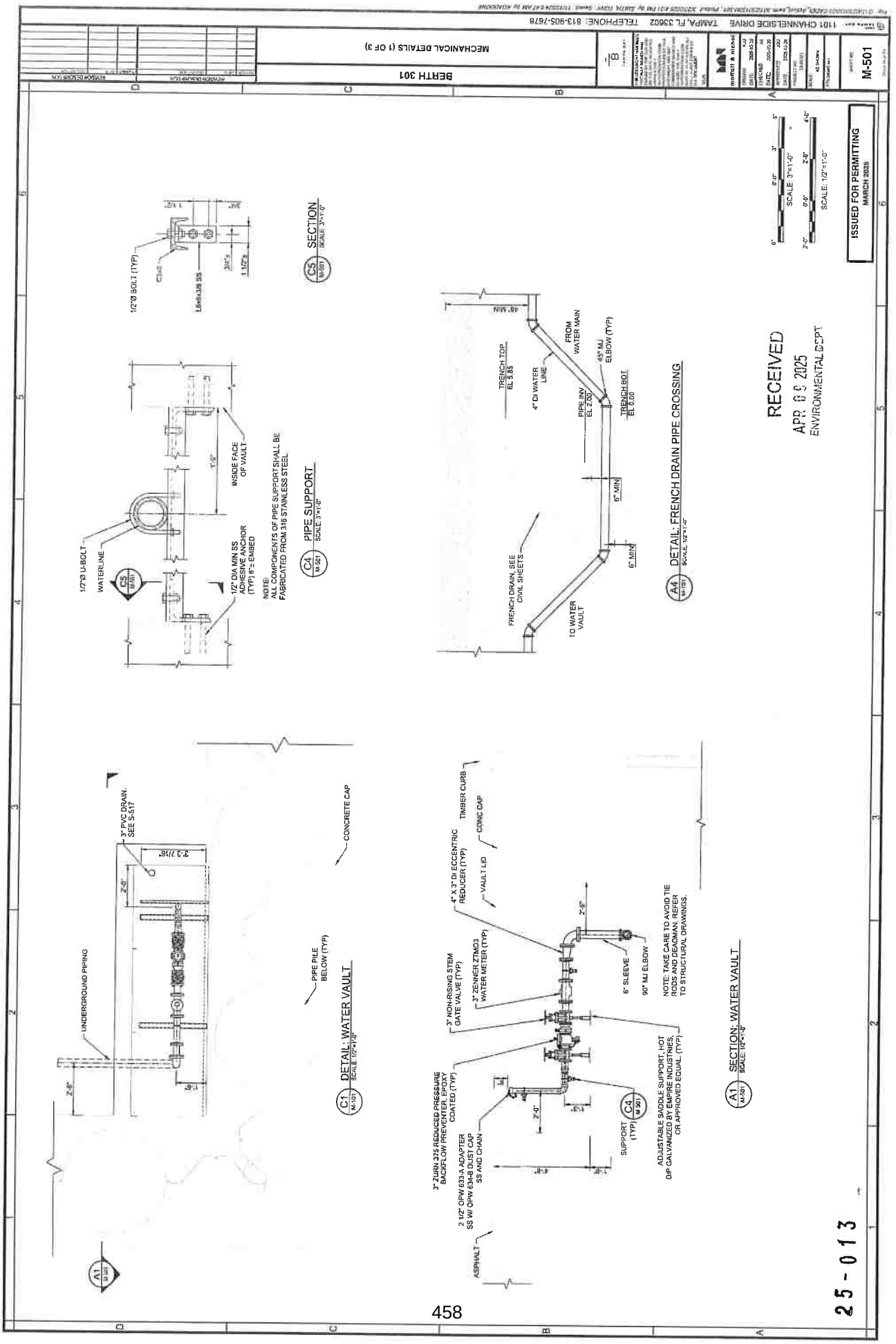
M-001

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

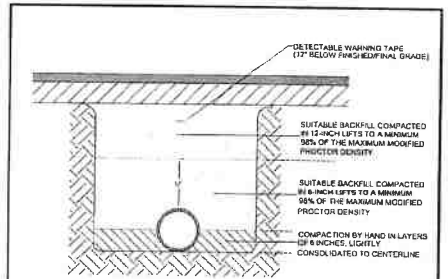
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

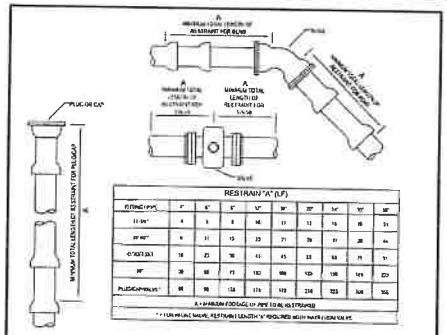


NOTES:

1. TRENCH IS DEFINED AS A FLAT-BOTTOM TRENCH. LIGHTLY CONSOLIDATE BACKFILL TO CENTERLINE OF PIPE
2. THIS STANDARD SHALL BE UTILIZED IN THE ABSENCE OF SPECIFIC STANDARDS. THIS STANDARD OF THE AGENCY CONTROLLING THE RIGHT-OF-WAY SHALL GOVERN UNLESS OTHERWISE DIRECTED BY CITY ENGINEER.
3. SUITABLE BACKFILL SHALL BE DEFINED AS MATERIAL FREE FROM CINDERS, ASHES, REFUSE, CLAY, ORGANIC MATTER, BOULDERS, ROCKS OR STONES, OR OTHER MATERIAL THAT IN THE OPINION OF THE CITY ENGINEER IS UNSUITABLE.
4. NON-PERVIOUS AREAS SHALL MEAN ANY CONCRETE OR ASPHALT CURB, SIDEWALK, TRAIL, DRIVEWAY, OR ROADWAY.

LAST REVISION	TRENCHING, BEDDING AND BACKFILL DETAIL FOR NON-PERVIOUS (PAVED) AREAS	2.01A
MAY 2021		

C1 M-502 STD DETAIL: TRENCHING, BEDDING, AND BACKFILL
SCALE: NTS



RESTRAIN "A" (LF)

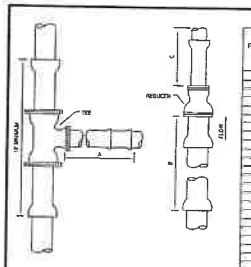
FITTING TYPE	4"	6"	8"	10"	12"	14"	16"	18"
11-1/4°	4	5	8	10	11	13	15	17
22-1/2°	8	11	15	20	21	25	31	36
45° BEND	18	25	35	45	55	65	75	91
90°	39	55	73	102	129	155	179	209
PLUG/CAP/VALVE	95	95	158	176	176	216	225	306

NOTES

1. THIS TABLE IS BASED ON:
   a. MAXIMUM TEST PRESSURE OF 150 PSI
   b. LAYING CONDITION TYPE 2 (SEE DETAILS 2.01 AND 2.02)
   c. POOR SOIL CONDITIONS
   d. USING D.I.P.
   e. 3 FEET OF COVER FOR 12" AND SMALLER MAINS, 4 FEET OF COVER FOR 16" AND LARGER MAINS
   f. HORIZONTAL BENDS ONLY - ENGINEER TO SUBMIT CALCULATIONS FOR VERTICAL RESTRAINTS
2. "RESTRAINED" PIPE SHALL BE MANUFACTURED RESTRAINED JOINT PIPE, PUSH-ON JOINT PIPE RESTRAINED WIGASKET-TYPE "GRIPPER RESTRAINTS", OR MECHANICAL JOINT PIPE RESTRAINED BY MEGALUG (OR APPROVED EQUIVALENT)
3. ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY

LAST REVISION	RESTRAINED JOINT STANDARD FOR BENDS, PLUGS, CAPS, AND VALVES	2.11
MAY 2021		

C3 M-502 STD DETAIL: RESTRAINED JOINTS
SCALE: NTS



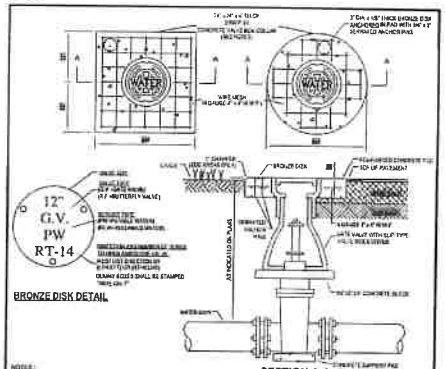
FITTING SIZE	RESTRAIN (LF)			UNRESTRAINED STRAIGHT RUN (LF)
	TEE "A"	REDUCER "B"	REDUCER "C"	
4x4	21	-	-	-
6x4	19	18	11	-
6x6	28	-	-	-
8x4	47	44	29	170
8x6	43	34	19	70
8x8	39	-	-	-
10x4	67	59	40	250
10x6	64	53	34	200
10x8	61	48	28	150
10x10	54	-	-	-
12x4	88	76	51	340
12x6	85	70	45	290
12x8	82	65	39	240
12x10	76	58	32	190
12x12	69	-	-	-
16x4	117	100	68	450
16x6	114	95	62	400
16x8	111	89	56	350
16x10	105	82	49	300
16x12	98	75	42	250
16x16	84	-	-	-
20x4	147	125	85	560
20x6	144	120	79	510
20x8	141	114	73	460
20x10	135	107	66	410
20x12	128	100	59	360
20x16	114	85	43	260
20x20	99	-	-	-
24x4	176	150	102	670
24x6	173	145	96	620
24x8	170	139	90	570
24x10	164	132	83	520
24x12	157	125	76	470
24x16	143	110	60	370
24x20	128	93	42	270
24x24	113	-	-	-

NOTES:

1. THIS TABLE IS BASED ON
   a. MAXIMUM TEST PRESSURE OF 150 PSI
   b. LAYING CONDITION TYPE 2 (SEE DETAILS 2.01 AND 2.02)
   c. POOR SOIL CONDITIONS
   d. USING D.I.P.
   e. 3 FEET OF COVER FOR 12" AND SMALLER MAINS, 4 FEET OF COVER FOR 16" AND LARGER MAINS
   f. HORIZONTAL BENDS ONLY - ENGINEER TO SUBMIT CALCULATIONS FOR VERTICAL RESTRAINTS
2. RESTRAINT FOR REDUCERS: IF "C" STRAIGHT RUN OF PIPE DOWNSTREAM OF REDUCER NOT AVAILABLE, THE RESTRAIN "B" UPSTREAM OF REDUCER.
3. "RESTRAINED" PIPE SHALL BE MANUFACTURED RESTRAINED JOINT PIPE, PUSH-ON JOINT PIPE RESTRAINED WIGASKET-TYPE "GRIPPER RESTRAINTS", OR MECHANICAL JOINT PIPE RESTRAINED BY MEGALUG (OR APPROVED EQUIVALENT)
4. ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY

LAST REVISION	RESTRAINED JOINT STANDARD FOR TEES AND REDUCERS	2.12A
MAY 2021		

C5 M-101 STD DETAIL: RESTRAINED JOINTS
SCALE: NTS

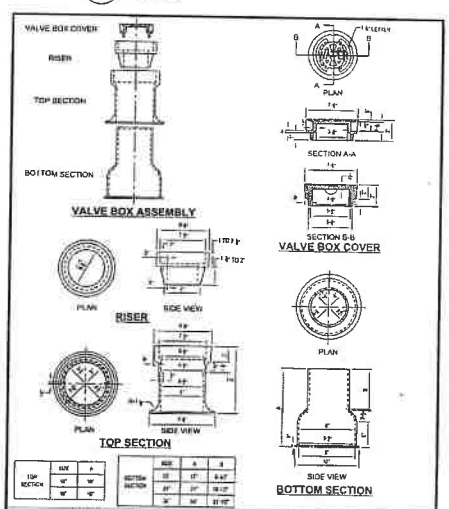


NOTES:

1. CIRCULAR OR SQUARE CONCRETE PAD REQUIRED FOR ALL VALVE BOX INSTALLATIONS IN PERVIOUS AREAS (I.E. OUTSIDE OF ROADWAY PAVEMENT, OUTSIDE OF CONCRETE/ASPHALT DRIVEWAYS, ETC.)
2. CAST IRON VALVE BOXES SHALL BE FIRMLY SUPPORTED AND CENTERED AND PLUMB OVER THE OPERATING NUT OF THE VALVE. VALVE BOX/COVER SHALL BE FLUSH WITH THE SURFACE OF THE FINISHED PAVEMENT, OR GRADE OR AT SUCH OTHER LEVEL AS MAY BE DIRECTED BY THE DEPARTMENT
3. "BLUE" WATER VALVE LOCATE MARKERS REQUIRED FOR ALL VALVE INSTALLATIONS
4. EMBED BRONZE VALVE INFO DISK INTO CONCRETE VALVE BOX COLLAR.
5. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST FWG APPROVED MATERIAL SPECIFICATIONS
6. IF VALVE IS LOCATED WITHIN A SIDEWALK CONCRETE COLLAR MAY BE ELIMINATED AND DISK SET FLUSH DIRECTLY IN SIDEWALK
7. BRONZE DISK REQUIRED FOR ALL VALVES AND DUMMY BOXES.

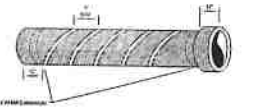
LAST REVISION	VALVE INSTALLATION W/VALVE BOX & PAD FOR DI OR CI PIPE	3.01
MAY 2021		

A1 M-101 STD DETAIL: ISOLATION VALVE
SCALE: NTS



LAST REVISION	VALVE BOX, SLIP TYPE	3.04
MAY 2021		

A3 M-502 STD DETAIL: VALVE BOX
SCALE: NTS



NOTE

1. TO ENSURE PROPER ADHESION, EACH PIPE RUN SHALL BE WRAPPED WITH A CONTINUOUS RUN OF TAPE.
2. ALL TAPE SHALL BE MIN. 2" BLUE VINYL TAPE FOR POTABLE WATER.

LAST REVISION	DUCTILE IRON PIPE IDENTIFICATION DETAIL	3.20
MAY 2021		

A5 M-502 STD DETAIL: DUCTILE IRON PIPE IDENTIFICATION
SCALE: NTS

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

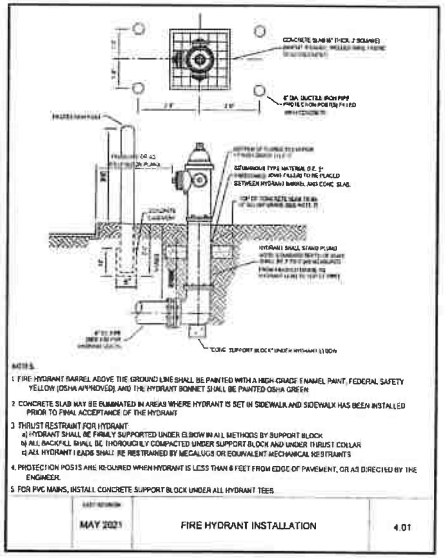
BERTH 301
MECHANICAL DETAILS (2 OF 3)

melfatt & nichol
3101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-965-7678

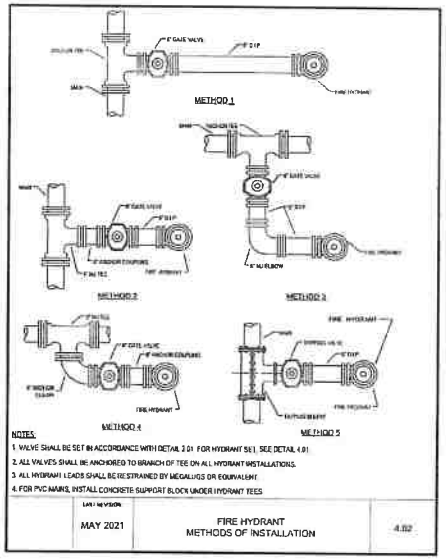
DRAWN: KJG
DATE: 2025-03-28
CHECKED: AS
DATE: 2025-03-28
APPROVED: JDG
DATE: 2025-03-28
PROJECT NO. 23-08223
SCALE: AS SHOWN
PERMITTING NO.
SHEET NO. M-502

459

25-013



C1 M-101 STD DETAIL: FIRE HYDRANT INSTALLATION
SCALE: NTS



C3 M-503 STD DETAIL: FIRE HYDRANT METHODS OF INSTALLATION
SCALE: NTS

460

25-013

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
MECHANICAL DETAILS (3 OF 3)

Tampa Port

Wolfolt & Nichol

DRAWN KJC
DATE 2025.03.28
CHECKED AK
DATE 2025.03.28
PROJECT NO. 25-013
SCALE AS SHOWN
FTB SPACE NO.
SHEET NO. M-503

TELEPHONE 813-905-7678
1101 CHANNELSIDE DRIVE TAMPA, FL 33602

File: C:\TEMP\AutoCAD Civil 3D Projects\Active\Berth 301\M-503.dwg, Plotted: 3/27/2025 4:32 PM by SMITH, TONY, Saved: 3/26/2025 10:25 AM by KSHADDUNE

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ELECTRICAL GENERAL NOTES

1. GENERAL CONDITIONS:
   A. UNDER THIS SECTION THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, APPURTENANCES, SERVICES AND SUPERVISION FOR A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWING. ALL MATERIAL AND EQUIPMENT SHALL BE WORKED INTO A COMPLETE, CONVENIENT, AND ECONOMICAL SYSTEM OR SYSTEMS. ALL APPARATUS, PARTS, MATERIAL, AND ACCESSORIES WHICH ARE NECESSARY TO ACCOMPLISH THIS RESULT SHALL BE PROVIDED. MANUFACTURER'S INSTRUCTIONS, WRITTEN OR OTHERWISE, SHALL BE FOLLOWED, UNLESS SUPERSEDED HERE IN. ALL ITEMS SHOWN ARE NEW AND SHALL BE PROVIDED FOR THE CONTRACTOR UNLESS SPECIFICALLY INDICATED OTHERWISE.
   B. "PROVIDE" IS DEFINED TO MEAN THAT THE CONTRACTOR SHALL FURNISH, INSTALL, ADJUST, TEST AND INTEGRATE INTO A COMPLETE SYSTEM THE ITEM INDICATED, INCLUDING ALL HARDWARE WIRING, AND MISCELLANEOUS ITEMS AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
   C. CONTRACTOR SHALL GIVE REQUIRED NOTICES, OBTAIN NECESSARY PERMITS, AND PAY PERMIT FEES.
   D. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT OF THE WORK. MINOR VARIATIONS IN LOCATION OF EQUIPMENT SHALL BE MADE UPON WRITTEN APPROVAL OF THE ENGINEER AT NO ADDITIONAL CHARGE. REFER TO ARCHITECTURAL, STRUCTURAL, AND CIVIL DRAWINGS FOR GUIDANCE ON DIMENSION, DETAILS, AND LOCATIONS OF DUCTS AND PIPES. INSTALL THE ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH PIPES, STRUCTURAL STEEL, OR OTHER SYSTEMS.
   E. ALL DIMENSIONS AND ELEVATIONS NOTED ARE ENGLISH UNITS UNLESS OTHERWISE NOTED.
   F. COOPERATE AND COORDINATE THE WORK OF THIS DIVISION WITH OTHER TRADES.
   G. ALL WORK TO CONFORM TO THE LATEST EFFECTIVE PUBLICATIONS OF THE FOLLOWING STANDARDS, CODES, ETC. FORM A PART OF THESE SPECIFICATIONS:

      2023 FLORIDA BUILDING CODE 8TH EDITION.
      TECO SERVICE RULES AND REGULATIONS.
      AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
      ASTM INTERNATIONAL (ASTM).
      BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL (BICSI).
      INTERNATIONAL BUILDING CODE (IBC).
      INTERNATIONAL FIRE CODES (IFC).
      INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
      NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).
      NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
      NATIONAL ELECTRICAL CODE (NEC), 2020
      TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA).
      UNDERWRITERS LABORATORIES (UL).
      ILLUMINATING ENGINEERING SOCIETIES (IES).
      CITY OF TAMPA CODE OF ORDINANCE (SUPPLEMENT NO. 137).

   H. SUBSTANTIAL COMPLETION: UPON COMPLETION OF THE ENTIRE WORK, THE CONTRACTOR SHALL PERFORM SUCH TESTS AS REQUIRED BY THE ENGINEER. THE ENGINEER SHALL BE GIVEN (5) DAYS NOTICE BEFORE TESTS ARE MADE. THE CONTRACTOR SHALL FURNISH THE ENGINEER A CERTIFICATE OF APPROVAL FROM THE LOCAL INSPECTION AUTHORITY HAVING JURISDICTION.
   I. WARRANTY: CONTRACTOR SHALL FURNISH WRITTEN WARRANTY, COUNTERSIGNED, AND GUARANTEED BY THE GENERAL CONTRACTOR, STATING THAT THE WORK EXECUTED UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF 12 MONTHS FROM DATE OF FINAL ACCEPTANCE UNLESS INDICATED OTHERWISE IN THE SPECIFICATIONS. DEFECTS DEVELOPING DURING THAT PERIOD SHALL BE CORRECTED WITHOUT COST TO THE OWNER.
   J. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE INTEGRITY OF THE SYSTEMS. CONTRACTOR SHALL PROVIDE OWNER WITH COMPLETE OPERATION AND MAINTENANCE INFORMATION FROM EQUIPMENT MANUFACTURERS.
   K. COMPLETE SCHEDULES OF MATERIALS AND EQUIPMENT PROPOSED FOR INSTALLATION SHALL BE SUBMITTED TO THE ENGINEER WITHIN 30 DAYS AFTER AWARD OF THE CONTRACT. THE SCHEDULES SHALL INCLUDE CATALOG CUTS, DIAGRAMS AND SUCH OTHER DESCRIPTIVE DATA AND/OR SAMPLES AS MAY BE REQUIRED BY THE ENGINEER. LIGHTING FIXTURE SUBMITTALS SHALL INCLUDE PHOTOMETRIC REPORTS BY INDEPENDENT TESTING LABORATORIES FOR EACH FIXTURE INDICATED BASED ON IES PUBLISHED PROCEDURES.
   L. SHOULD THERE BE A CONFLICT BETWEEN THESE GENERAL NOTES, WORKING DRAWINGS, AND/OR SPECIFICATIONS, THE MOST RESTRICTIVE INTERPRETATION SHALL PREVAIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FROM THE OWNER REPRESENTATIVE ANY CLARIFICATION OR INTERPRETATION OF THE GENERAL NOTES, WORKING DRAWINGS, AND/OR SPECIFICATIONS IN WRITING AND IN ADVANCE OF THE BEGINNING OF DEMOLITION/CONSTRUCTION.
   M. EXISTING CONSTRUCTION, INCLUDING UTILITIES AND OTHER MISCELLANEOUS ITEMS WHICH ARE TO REMAIN, SHALL REMAIN UNDISTURBED AND BE PROTECTED, UNLESS OTHERWISE NOTED.
   N. AREAS DISTURBED DURING DEMOLITION/CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION, AT NO ADDITIONAL EXPENSE TO THE OWNER, UNLESS OTHERWISE NOTED.
   O. LIMITED STAGING AREAS SHALL BE PROVIDED ON SITE FOR CONTRACTOR'S USE. THE CONTRACTOR SHALL CONFIRM THE EXTENTS OF STAGING AREAS WITH THE OWNERS REPRESENTATIVE.
   P. ALL EXISTING ELECTRICAL EQUIPMENT INCLUDING LIGHTING SHALL BE RETURNED TO OWNER. OWNER RESERVES RIGHT TO REFUSAL AND CONTRACTOR SHALL DISPOSE OF EQUIPMENT.

2. GENERAL MATERIAL REQUIREMENTS:
   A. EQUIPMENT AND PRODUCTS TO BE USED SHALL BE REVIEWED AND APPROVED BY OWNER PRIOR TO PLACING ORDER OR PURCHASE.
   B. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE LABEL OF A NATIONALLY RECOGNIZED TESTING AGENCY AND SHALL BE INSTALLED IN THE MANNER FOR WHICH IT IS DESIGNED AND APPROVED.
   C. ALL MATERIAL, INCLUDING PULL BOXES, CONDUIT BODIES, FITTINGS AND MOUNTING HARDWARE INSTALLED OUTSIDE SHALL BE APPROVED WEATHER TIGHT CORROSION RESISTANT (316 STAINLESS STEEL), UNLESS NOTED OTHERWISE.
   D. CONTRACTOR SHALL INSPECT MATERIALS DELIVERED TO SITE FOR DAMAGE. UNLOAD AND STORE WITH MINIMUM HANDLING. STORE MATERIALS ON SITE IN ENCLOSURES OR UNDER PROTECTIVE COVERING. STORE PLASTIC PIPING UNDER COVER OUT OF DIRECT SUNLIGHT. DO NOT STORE MATERIALS DIRECTLY ON THE GROUND. KEEP INSIDE OF CONDUITS, FITTINGS AND EQUIPMENT FREE OF DIRT AND DEBRIS. HANDLE CONDUIT, FITTINGS, AND OTHER ACCESSORIES IN SUCH MANNER AS TO ENSURE DELIVERY TO THE INSTALLATION LOCATION IN A SOUND UNDAMAGED CONDITION.
   E. SUPPORTS AND HARDWARE SHALL BE 316 STAINLESS STEEL. SUBMIT SHOP DRAWINGS OR CATALOG DATA FOR REVIEW AND APPROVAL. A DIELECTRIC ISOLATION SHEET SHALL BE PLACED WHERE DISSIMILAR METALS CONTACT ON THE SUPPORT. INCLUDE LOCKWASHERS.
   F. PANELBOARDS, ENCLOSED CIRCUIT BREAKERS AND SAFETY SWITCHES, WHEN APPLICABLE, SHALL BE MANUFACTURED BY THE SAME MANUFACTURER. WIRING DEVICES SHALL BE MANUFACTURED BY ONE MANUFACTURER.
   G. SUBSTITUTION OF MATERIAL AND EQUIPMENT: THE NAME OF A CERTAIN BRAND, MAKE, MANUFACTURER OR DEFINITE SPECIFICATION IS TO DENOTE THE QUALITY STANDARD OF ARTICLE DESIRED. SUBSTITUTION OF ANY OTHER BRAND, MAKE, OR MANUFACTURER, WHICH IN THE OPINION OF THE ENGINEER IS RECOGNIZED THE EQUAL OF THAT SPECIFIED MAY BE ACCEPTED.
   H. PROVIDE ENGRAVED PLASTIC NAMEPLATES ON ALL DISTRIBUTION EQUIPMENT AND PANELS, SECURED BY MEANS OF STAINLESS STEEL RIVETS. TAPES AND ADHESIVES ARE NOT ACCEPTABLE.
   I. UNLESS NOTED OTHERWISE, ALL PANEL BUSES, FEEDER CONDUCTORS AND BRANCH CIRCUIT WIRING SHALL BE COPPER. ALL WIRE SHALL BE UL LISTED, RATED FOR 600 VOLTS, NO. 12 MINIMUM SIZE, UNLESS NOTED OTHERWISE.
   J. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED.

3. GENERAL INSTALLATION REQUIREMENTS:
   A. INSTALL MATERIALS AND EQUIPMENT IN FIRST CLASS AND WORKMANLIKE MANNER AND IN ACCORDANCE WITH NECA STANDARD 101-2013. RUN CONCEALED, EXCEPT AS INDICATED.
   B. POWER WIRING AND POWER CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED UNDER "ELECTRICAL" UNLESS OTHERWISE INDICATED ON THE ELECTRICAL DRAWINGS. WHEN SUBSTITUTED MOTORS AND/OR EQUIPMENT REQUIRES ELECTRICAL MODIFICATIONS, THE COST OF THE ELECTRICAL MODIFICATIONS AND COORDINATION SHALL BE INCLUDED UNDER THE DIVISION PROVIDING THE MOTOR AND/OR EQUIPMENT.
   C. THE ELECTRICAL CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER, WITHOUT APPROVAL FROM THE ENGINEER. THE ELECTRICAL CONTRACTOR SHALL PROVIDE SUPPORT FOR ALL ELECTRICAL EQUIPMENT TO COMPLY WITH THE REQUIREMENTS OF THE LATEST ADOPTED BUILDING CODE AND ALL LOCAL ORDINANCES.
   D. SCHEDULING, TRENCHING, LINE SHUTDOWN, DRAINAGE, TIE-IN, CONDUIT BEDDING, SUPPORTS, INSTALLATION OF NEW LINE, WALL PENETRATIONS, AND EQUIPMENT PLACEMENTS, TESTING, WARNING TAPE, BACKFILL, SURFACING, LANDSCAPING, ACTIVATION OF SERVICE, ETC., SHALL COMPLY WITH THE LOCAL BUILDING CODE STANDARDS AND REGULATIONS AND SHALL BE COORDINATED WITH THE LOCAL CODE OFFICIAL AND THE FIRE DEPARTMENTS. PRIOR APPROVAL OF AND NOTICE TO PROCEED WITH CONCEALING ELECTRICAL WIRING AND FINAL CONNECTIONS ARE REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
   E. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS IN THE FIELD BEFORE STARTING WORK. THE REGIONAL NOTIFICATION CENTER (AND/OR PROPERTY OWNERS) SHALL BE NOTIFIED 48 HOURS PRIOR TO THE START OF SHUTDOWN, DIGGING OR EXCAVATION WORK. THE CONTRACTOR SHALL FIELD VERIFY THE POINTS OF CONNECTIONS AND PHASED CONSTRUCTION TIE-INS. LOCATIONS OF PIPING AND APPURTENANT FITTINGS SHOWN ON THE DRAWINGS ARE APPROXIMATE. IT IS INTENDED THAT SUCH ITEMS BE LOCATED BASED ON EXACT LOCATIONS DETERMINED IN THE FIELD AND THE SUPPLIED MATERIALS.
   F. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. SHOULD SPECIAL EQUIPMENT BE REQUIRED TO WORK OVER AND AROUND THE UTILITIES, CONTRACTOR SHALL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FOR FURNISHING SPECIAL EQUIPMENT SHALL BE INCLUDED IN THE BID PRICE.
   G. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL CONDUITS AND WIRES WITH A MINIMUM NUMBER OF BENDS AND IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE. AVOID OBSTRUCTIONS, AND MEET ALL STRUCTURAL CODE REQUIREMENTS. THESE DRAWINGS ARE PRIMARILY DIAGRAMMATIC, AND DO NOT SHOW ALL SUCH REQUIRED BENDS, OFFSETS, FITTINGS, BOXES, ETC.
   H. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY NATIONAL ELECTRICAL CODE. POWER CONDUITS SHALL HAVE A INSULATED COPPER, CODE SIZED GROUND WIRE INSTALLED.
   I. VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
   J. DIELECTRIC COUPLINGS/FLANGES SHALL BE USED AT DISSIMILAR METAL PIPING CONNECTIONS, POSTS.
   K. SUPPORTS AND HANGERS SHALL BE 316 STAINLESS STEEL (UNLESS OTHERWISE NOTED) AND SHALL BE FROM MANUFACTURED SHAPES. FIELD BENDING IS NOT PERMITTED. PLATE MATERIAL MAY BE WELDED IN THE FIELD TO FORM SHAPES.

4. CONDUIT REQUIREMENTS:
   A. BURIED CONDUIT LINES SHALL HAVE PLASTIC WARNING TAPE MEETING APWA STANDARDS WITH METALLIC CORE OR METAL FACED PLACED IN TRENCH ABOVE PIPING. THE TAPE SHALL BE PLACED 9 INCHES TO 12 INCHES BELOW FINISHED GRADE.
   B. ALL CONDUIT SHALL FOLLOW THE GENERAL ARRANGEMENT SHOWN. CONDUIT SHALL BE RUN ESSENTIALLY AS INDICATED, CARE BEING TAKEN TO AVOID INTERFERENCE WITH OTHER PIPING, CONDUIT OR EQUIPMENT. BEFORE JOINTING AND INSTALLATION OF CONDUIT, THOROUGHLY CLEAN INTERIORS OF CONDUIT, AND COMPONENTS. MAINTAIN CLEANLINESS BY CLOSURE OF CONDUIT OPENINGS WITH CAPS OR PLUGS.
   C. THE CONTRACTOR SHALL ENSURE SUFFICIENT CONDUIT FLEXIBILITY AND ANCHORAGE IS PROVIDED FOR ALL LINES FOR THERMAL EXPANSION AND CONTRACTION, PRESSURE AND FLEXING. THE STRUCTURE AND COMPONENTS SHALL ACCOMMODATE THE CONDUIT LAYOUT REQUIREMENTS SUCH THAT THE CONDUIT SHALL NOT BECOME OVERSTRESSED. THE CONDUIT SHALL BE PROPERLY SECURED IN ACCORDANCE WITH NEC.
   D. CONDUIT AND FITTINGS SHALL CONFORM TO THE FOLLOWING:
      (1) RIGID STEEL - ANSI C80 (HOT DIPPED GALVANIZED).
      (2) PLASTIC CONDUIT (PVC) - NEMA TC-2 AND TC-3.
      (3) LIQUID-TIGHT FLEXIBLE METAL CONDUIT - UL-360.
   E. CONDUIT SHALL BE RUN CONCEALED, EXCEPT CONDUIT MAY BE EXPOSED AS APPROVED BY THE ENGINEER. WHERE FLEXIBILITY IS REQUIRED, PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT EXCEPT AS INDICATED OTHERWISE. CONDUITS RUN EXPOSED SHALL BE GALVANIZED RIGID STEEL, UNLESS OTHERWISE NOTED. LIQUID TIGHT FLEXIBLE METALLIC CONDUIT RUN EXPOSED SHALL BE RATED AS SUNLIGHT RESISTANT.
   F. CONDUIT RUN ON LAND SHALL BE BURIED A MINIMUM OF 36 INCHES BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. CONDUITS RUN BELOW SLAB ON GRADE SHALL BE BURIED A MINIMUM OF 12 INCHES BELOW SLAB, AND SHALL BE RIGID HOT DIPPED GALVANIZED STEEL CONDUIT PAINTED WITH TWO COATS OF BITUMASTIC PAINT, OR RIGID NON-METALLIC POLYVINYLCHLORIDE CONDUIT, MINIMUM SCHEDULE 40, AT THE OPTION OF THE CONTRACTOR, UNLESS A SPECIFIC TYPE OF CONDUIT IS SPECIFIED OR INDICATED ON THE DRAWINGS.
   G. RIGID STEEL CONDUIT FITTINGS SHALL BE THREADED.
   H. MINIMUM SIZE CONDUIT SHALL BE INDICATED AND AS REQUIRED BY NATIONAL ELECTRIC CODE WITH A MINIMUM SIZE OF 3/4".
   I. FLEXIBLE CONDUIT SHALL BE GALVANIZED, SINGLE STRIP TYPE, IN AREAS SUBJECT TO MOISTURE, OR WHERE CALLED FOR ON THE DRAWINGS. FLEXIBLE CONDUIT SHALL HAVE A PLASTIC COVERING IN ACCORDANCE WITH NEC. FITTINGS SHALL BE STANDARD UL APPROVED WITH GROUND CONNECTOR. WATERTIGHT CONNECTORS SHALL BE USED WITH PLASTIC COVERED CONDUIT. FLEXIBLE CONDUIT, MINIMUM 18 INCHES/ MAXIMUM 36 INCHES IN LENGTH, SHALL BE USED FOR CONNECTIONS TO MOTORS, DRY TYPE TRANSFORMERS AND OTHER EQUIPMENT SUBJECT TO VIBRATION.
   J. EXPOSED CONDUITS SHALL BE RUN PARALLEL AND PERPENDICULAR TO STRUCTURES AND SHALL BE SUPPORTED AS SPECIFIED AND IN ACCORDANCE WITH NEC.
   K. CONDUIT SUPPORTS SHALL BE APPROVED WALL BRACKETS, TRAPEZE, STRAP HANGER OR PIPE STRAPS SECURED TO HOLLOW MASONRY WITH TOGGLE BOLTS; TO CONCRETE WITH DRILL AND EPOXY IN PLACE RODS, EXPANSION BOLTS ARE NOT PERMITTED TO BE USED; TO METAL SURFACES WITH MACHINE SCREWS; AND TO WOOD WITH WOOD SCREWS. ANY FORM OF TIE WIRE IS UNACCEPTABLE.
   L. PROVIDE EXPANSION FITTINGS WHERE CONDUITS CROSS EXPANSION JOINTS. PROVIDE SLIP JOINTS AS NECESSARY FOR THERMAL EXPANSION AND CONTRACTION.
   M. CONDUIT TERMINATIONS AND CONDUIT STUBS SHALL HAVE INSULATING BUSHINGS.
   N. CONDUITS PASSING THROUGH BULKHEADS, CONCRETE WALLS, FLOORS OR FOOTINGS AND SLAB ON GRADE SHALL BE MADE WATERTIGHT. PROVIDE PIPE SLEEVES WITH ONE-HALF INCH MINIMUM CLEARANCE AROUND THE CONDUIT AND CAULK WITH SEALANT.
   O. PROVIDE 12" MINIMUM SEPARATION BETWEEN ELECTRICAL AND OTHER UTILITIES.
   P. PROVIDE STAINLESS STEEL CABLE/CONDUIT TAGS WITH STAINLESS STEEL STRAPS. EMBOSS TAG WITH PANEL AND CIRCUIT NUMBER TO EACH CONDUIT AND WIRE. THIS APPLIES TO ALL CONDUIT/WIRE TERMINATIONS, MANHOLES, HANDHOLES, TERMINATION BOXES, AND EXPOSED CONDUITS AT TERMINATIONS AND EVERY 100' OF EXPOSED CONDUIT.
   Q. EVERY SPARE CONDUIT SHALL HAVE A PULL STRING INSTALLED. EVERY SPARE CONDUIT SHALL HAVE A #12 (MIN) COPPER TRACER WIRE INSTALLED, WITH INSULATION THAT IS NOT WHITE, GRAY, OR GREEN IN COLOR. THE TRACER WIRE MAY ALSO SERVE AS THE PULL STRING.

5. WIRING REQUIREMENTS:
   A. THE ENTIRE WIRING SYSTEM SHALL BE TESTED FOR SHORT CIRCUITS, GROUNDS AND INSULATION RESISTANCE BETWEEN CONDUCTORS AND TO GROUND PRIOR TO COMPLETION OF PROJECT.
   B. WIRE AND CABLE SHALL BE INSTALLED IN CONDUIT EXCEPT AS SPECIFICALLY INDICATED OTHERWISE.
   C. WIRE AND CABLE SHALL BE COPPER, 600 VOLT INSULATION, MINIMUM SIZE NO. 12, TYPE "THHN/THWN" AS APPLICABLE, UNLESS OTHERWISE INDICATED ON DRAWINGS.
   D. WIRES NO. 10 AND 12 AWG SHALL BE CONNECTED WITH COIL SPRING INSERT "WIRE-NUT" OR "WING-NUT" CONNECTORS MANUFACTURED BY IDEAL INDUSTRIES OR APPROVED EQUAL. CONNECTORS SHALL BE RATED 600 VOLTS.
   E. WIRE SHALL BE COLOR CODED AS FOLLOWS:

480Y/277V SYSTEM	208Y/120V SYSTEM	120/240V 1 PH SYSTEM
PH A - BRN	PH A - BLK	PH A - BLK
PH B - ORN	PH B - RED	PH B - RED
PH C - YEL	PH C - BLU	
NEUT - GRY	NEUT - WHT	NEUT - WHT W/GRY STRIPE
GND - GRN W/YEL STRIPE	GND - GRN	GND - GRN W/WHT STRIPE

   F. PROVIDE CABLE LUGS ON ALL CABLES AS REQUIRED TO PROPERLY TERMINATE ON THE EQUIPMENT AS NECESSARY.

6. PULL BOX REQUIREMENTS
   A. LANDSIDE PULL BOXES SHALL BE AS DEFINED IN DRAWINGS. MARK COVERS PERMANENTLY WITH "ELECTRICAL" OR "COMMUNICATIONS", AS REQUIRED.
   B. PROVIDE 6" THICK BUILD OF CRUSHED ROCK BELOW BOX AND AS RECOMMENDED BY MANUFACTURER.
   C. WHERE SEVERAL FEEDERS PASS THROUGH A COMMON PULL BOX OR JUNCTION BOX, THE FEEDERS SHALL BE TAGGED TO INDICATE CLEARLY THEIR ELECTRICAL *CHARACTERISTICS, CIRCUIT NUMBER, AND PANEL DESIGNATION. PAINT SAME* INFORMATION ON COVER OF THE BOX.

7. JUNCTION BOX REQUIREMENTS
   A. OUTLET BOXES SHALL BE HOT DIPPED GALVANIZED OR CAST METAL AS NECESSARY WITH STANDARD KNOCKOUTS AS REQUIRED FOR CONDUIT TERMINATION. MINIMUM SIZE OF OUTLET BOX SHALL BE FOUR INCHES SQUARE, ONE AND ONE-QUARTER INCHES DEEP.
   B. OUTLET BOXES OCCURRING IN FINISHED OUTSIDE WALLS AND WET AREAS SHALL BE CAST AND PROVIDED WITH GASKETS BETWEEN BOX AND WATERPROOF COVER.

(CONTINUES NEXT SHEET)

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ELECTRICAL NOTES (1 OF 2)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

DRAWN RJC DATE 2025.03.28
CHECKED [illegible] DATE 2025.03.28
APPROVED JDO DATE 2025.03.28
PROJECT NO 23 0103
SCALE AS SHOWN
ITB DRWG NO

SHEET NO. E-001

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY [illegible] AND THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES OF THIS DOCUMENT.

SEAL

File: G:\PROJECTS\2023\23-0103\CAD\...\Sheet Set\E-001.dwg, Plotted: 3/27/2025 4:43 PM by JDAVIS (TEMP), Saved: 3/27/2025 4:41 PM by JDAVIS

25 - 015

461

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ELECTRICAL GENERAL NOTES (CONTINUED)

8. WIRING DEVICES (CONVENIENCE OUTLETS, LIGHT SWITCHES, ETC)
   A. WIRING DEVICES SHALL BE SPECIFICATION GRADE IN BROWN FINISH.
   B. CONVENIENCE OUTLETS SHALL BE PROTECTED BY GROUND FAULT INTERRUPTER DEVICES.
   C. DEVICE PLATES SHALL BE PVC WEATHER PROTECTED COVERS IN EXTERIOR LOCATIONS AND STEEL IN INTERIOR LOCATIONS.
   D. WHERE CONDUIT AND WIRING HAS NOT BEEN SHOWN ON THE DRAWINGS THE ARRANGEMENT AND ROUTING OF LIGHTING AND RECEPTACLE BRANCH CIRCUITS WILL BE AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED GOOD PRACTICE AND NEC REQUIREMENTS.

9. MOBILE CONVEYOR PLUGS INTERLOCKED CIRCUIT BREAKER ENCLOSURE
   A. MOBILE CONVEYOR PLUGS SHALL BE 100A, 480V, 3Ø, 4W PIN AND SLEEVE WITH CIRCUIT BREAKER INTERLOCKED RECEPTACLE. MFG. ABB RUSSELLSTOLL MAX-GARD MODEL #DBRS1404100000 (INCLUDE ANGLE ADAPTER).
   B. ENCLOSURES SHALL BE NEMA 4X, COPPER FREE ALUMINUM HOUSING WITH EPOXY POWDER COAT FINISH.
   C. MOBILE CONVEYOR PLUGS SHALL BE SECURELY MOUNTED TO STRUCTURE AS SHOWN IN PLANS. PROVIDE MISCELLANEOUS ACCESSORIES FOR MOUNTING, INCLUDING STEEL ANGLES WHERE REQUIRED AND STAINLESS STEEL HARDWARE.

10. PANELBOARDS
   A. PANELBOARDS SHALL BE CIRCUIT BREAKER TYPE AS INDICATED. PANELS SHALL BE KEYED ALIKE AND SHALL HAVE A MINIMUM 20 INCH WIDE ENCLOSURE. A DIRECTORY, COMPLETELY TYPED TO IDENTIFY CIRCUITS, WITH TRANSPARENT PROTECTOR SHALL BE PROVIDED IN EACH PANEL.
   B. PANELBOARDS SHALL BE PROVIDED WITH COPPER PHASE, NEUTRAL AND GROUND BUSES.
   C. SUB-FEED BREAKER SHALL NOT BE ACCEPTABLE UNLESS INDICATED.
   D. BREAKER ARRANGEMENT SHALL BE AS INDICATED.
   E. PANELBOARDS SHALL BE SQUARE D OR APPROVED EQUAL.
   F. PANELBOARDS IN EXTERIOR LOCATIONS SHALL BE ENCLOSED IN A NEMA 4X, 316 STAINLESS STEEL ENCLOSURE UON.

11. QUALITY CONTROL
   A. DURING CONSTRUCTION BID, PROVIDE A BLANK COPY OF A QUALIFIED POST CONSTRUCTION QA/QC INSPECTION FORM TO ENGINEER FOR REVIEW AND APPROVAL.
   B. POST CONSTRUCTION AND PRIOR TO CALLING ENGINEER FOR INSPECTION, COMPLETE QA/QC INSPECTION WITH SUPPORTING DOCUMENTS AND PICTURES. THIS COMPLETED QA/QC FORM WITH PICTURES IS TO BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO ENGINEER INSPECTION. COMPLETE A QA/QC INSPECTION FOLLOWING ALL STAGES OF INSTALLATION AND PRIOR TO CONTACTING ENGINEERING FOR INSPECTION.
   C. PRIOR TO COVERING UP ANY ELECTRICAL CONDUCTORS WITH FILL (CONCRETE, DIRT, ETC), NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE FOR AN INSPECTION. ALLOW MINIMUM (5) DAYS FOR ENGINEERING REVIEW PRIOR TO COVERING ANY ELECTRICAL WORK. PROVIDE PICTURES OF ANY ELECTRICAL WORK PRIOR TO COVERING AND SUBMIT WITH QA/QC REPORT.

12. GENERAL
   A. CONTRACTOR SHALL NOT INITIATE ANY LAND DISTURBING ACTIVITY UNTIL AUTHORIZED BY OWNER.
   B. CONTRACTOR SHALL CLOSELY COORDINATE ALL CONSTRUCTION ACTIVITY WITH OWNER.
   C. CONTRACTOR SHALL KEEP ASPHALT ADJACENT TO WORK AREA CLEAN OF DEBRIS.
   D. COORDINATE WITH OWNER IF ADDITIONAL SPACE IS REQUIRED FOR CONSTRUCTION OR LAYDOWN AREA.

13. DESIGN FLOOD ELEVATION
   A. BASE FLOOD ELEVATION (BFE) IS DETERMINED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) NATIONAL FLOOD INSURANCE PROGRAM AND AMERICAN SOCIETY OF ENGINEERS (ASCE) 24-14.
   B. FLOOD ELEVATION BASED UPON FEMA NATIONAL FLOOD INSURANCE RATE MAP; OCTOBER 2021 - MAP NUMBERS: 12057C0491J, 12057C0492J, (DESIGNATED FLOOD ZONE AE11)
   C. ASCE 24-14, FLOOD DESIGN CLASS 2
   D. THE BASE FLOOD ELEVATION (BFE) IS SET TO +11.00' (NAVD).
   E. THE DESIGN FLOOD ELEVATION (DFE) IS SET TO +12.00' (NAVD).
   F. CONTRACTOR SHALL KEEP ALL ELECTRICAL SERVICE ENTRANCE EQUIPMENT AT OR ABOVE THE DESIGN FLOOD ELEVATION (DFE).

14. BERTH LIGHTING CRITERIA
   A. CONTRACTOR SHALL BE RESPONSIBLE FOR ACHIEVING DARKSKY PORT MARINE TERMINAL CERTIFICATION FOR BERTH 301 LIGHTING. THIS INCLUDES APPLICATION SUBMITTED, IN-FIELD DARKSKY VERIFICATION/TESTING, AND ALL ASSOCIATED DARKSKY PORT MARINE TERMINAL FEES.
   B. LIGHTING CRITERIA

   OPERATIONAL LIGHTING
   a. CCT - 4000K
   b. OSHA 1917.123 - 5 FOOT-CANDLE AVERAGE WORK ZONE
   c. OSHA 1917.123 - MINIMUM 0.5 FOOT-CANDLE WITHIN WORK ZONE
   d. CONFORMANCE WITH DARKSKY PROGRAM CRITERIA

   NON-OPERATIONAL LIGHTING
   a. CCT - 4000K
   b. OSHA 1917.123 - SECURITY LIGHTING, MINIMUM 0.5 FOOT-CANDLE WITHIN WORK ZONE
   c. CONFORMANCE WITH DARKSKY PROGRAM CRITERIA

   C. LIGHTING CONTROLS

   OPERATIONAL LIGHTING
   a. ON: MANUAL
   b. OFF: TIMECLOCK OR MANUAL

   NON-OPERATIONAL LIGHTING
   a. ON: TIMECLOCK OR MANUAL
   b. OFF: TIMECLOCK OR MANUAL

   D. LIGHTING ZONES

   OPERATIONAL
   a. NORTH BOUNDARY: FENCE
   b. SOUTH BOUNDARY: FENDER LINE
   c. EAST BOUNDARY: EDGE OF WHARF
   d. WEST BOUNDARY: BERTH 302

   NON-OPERATIONAL LIGHTING
   a. NORTH BOUNDARY: FENCE
   b. SOUTH BOUNDARY: FENDER LINE
   c. EAST BOUNDARY: EDGE OF WHARF
   d. WEST BOUNDARY: BERTH 302

CABLE DESIGNATION

101

CABLE NUMBER CALLOUT

1. DESIGNATION FOR CABLE NUMBERS ARE TO DEFINE CABLE AND CONDUIT SIZE OF CIRCUIT.
2. REFER TO CABLE SCHEDULES TO DEFINE TERMINATION POINTS, CONDUIT, AND WIRE SIZE OF ALL CABLE NUMBERS.
3. REFER TO PANEL SCHEDULES FOR ADDITIONAL CLARIFICATION OF CABLE SCHEDULE TERMINATION POINTS.

LEGEND

ALL SYMBOLS ARE NOT NECESSARILY USED

E	ELECTRICAL CONDUIT	M	METER
UE	ELECTRICAL CONDUIT UNDERGROUND		SOLAR POWERED WARNING LIGHT
UE	ELECTRICAL CONDUIT UNDERGROUND, CONCRETE ENCASED UON		SPECIALTY RECEPTACLE
	EXISTING UNDERGROUND ELECTRICAL		HIGH MAST LIGHT (HML#)
	ELECTRICAL HANDHOLE (AS NOTED)		
	PANELBOARD		
	ELECTRICAL EQUIPMENT, AS NOTED		
	GFI RECEPTACLE		
E#	WP ###		WORKING POINT #, REFER TO E-403 FOR WP TABLE

ABBREVIATIONS

ALL ABBREVIATIONS ARE NOT NECESSARILY USED

1P	SINGLE POLE, OR AS INDICATED	KCMIL	THOUSAND CIRCULAR MILS
2P	TWO POLE, OR AS INDICATED	KWH	KILOWATT HOUR
3P	THREE POLE, OR AS INDICATED	KV	KILOVOLT
A	AMPERES	KVA	KILOVOLT AMPERE
AC	ALTERNATING CURRENT	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	LC	LANDSIDE CONTRACTOR
AIC	AMPERES INTERRUPTING CAPACITY	LTG	LIGHTING
AM	AMPERAGE METER/AMMETER	mA	MILLIAMP
AWG	AMERICAN WIRE GAGE	MCB/MB	MAIN CIRCUIT BREAKER
BFE	BASE FLOOD ELEVATION	MECH	MECHANICAL
C, CND	CONDUIT	MLO	MAIN LUG ONLY
CATV	CABLE TELEVISION	N/A	NOT APPLICABLE (N/A)
CB	CIRCUIT BREAKER	NEUT	NEUTRAL WIRE
CIP	CAST IN PLACE	NEC	NATIONAL ELECTRICAL CODE
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CO	CONDUIT ONLY	NTS	NOT TO SCALE
COMM	COMMUNICATIONS	OC	ON CENTER
CONC	CONCRETE	P	POLE
CT	CURRENT TRANSFORMER	PB	PULL BOX
DC	DIRECT CURRENT	PC	PHOTOCELL
DFE	DESIGN FLOOD ELEVATION	PH, Ø	PHASE
DIA	DIAMETER	PNL, PNBD	PANEL, PANELBOARD
DWG	DRAWING	PVC	POLYVYNIL CHLORIDE
EC	EMPTY CONDUIT	PVMT	PAVEMENT
EL, ELEV	ELEVATION	RECEPT	RECEPTACLE
ELEC	ELECTRIC/ELECTRICAL	SC	SHORT CIRCUIT
EX, EXIST	EXISTING, EXIST'G	SCH	SCHEDULE
FHC	FIRE HOSE CABINET	SPD	SURGE PROTECTION DEVICE
FO	FIBER OPTIC	SS	STAINLESS STEEL
FVNR	FULL VOLTAGE NON-REVERSING	SWBD	SWITCHBOARD
FVR	FULL VOLTAGE REVERSING	TBD	TO BE DETERMINED
G, GND	GROUND	TECO	TAMPA ELECTRIC COMPANY
GF	GROUND FAULT	TERM	TERMINAL
GFEP	GROUND FAULT EQUIPMENT PROTECTION	TYP	TYPICAL
GFI, GFIC	GROUND FAULT INTERRUPTER	UL	UNDERWRITERS LABORATORIES
GFM	GROUND FAULT MONITOR	UON	UNLESS OTHERWISE NOTED
HOA	HAND OFF AUTO SELECTOR SWITCH	V	VOLT
HP	HORSE POWER	VIF	VERIFY IN FIELD
HTR	HEATER	VERT	VERTICAL
Hz	HERTZ, CYCLES PER SECOND	W	WATT
INST	INSTRUMENT, INSTRUMENTATION	WP	WEATHER PROOF
IT	INFORMATION TECHNOLOGY	XFMR	TRANSFORMER
JBOX	JUNCTION BOX		

RECEIVED
APR 08 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

462

25-013

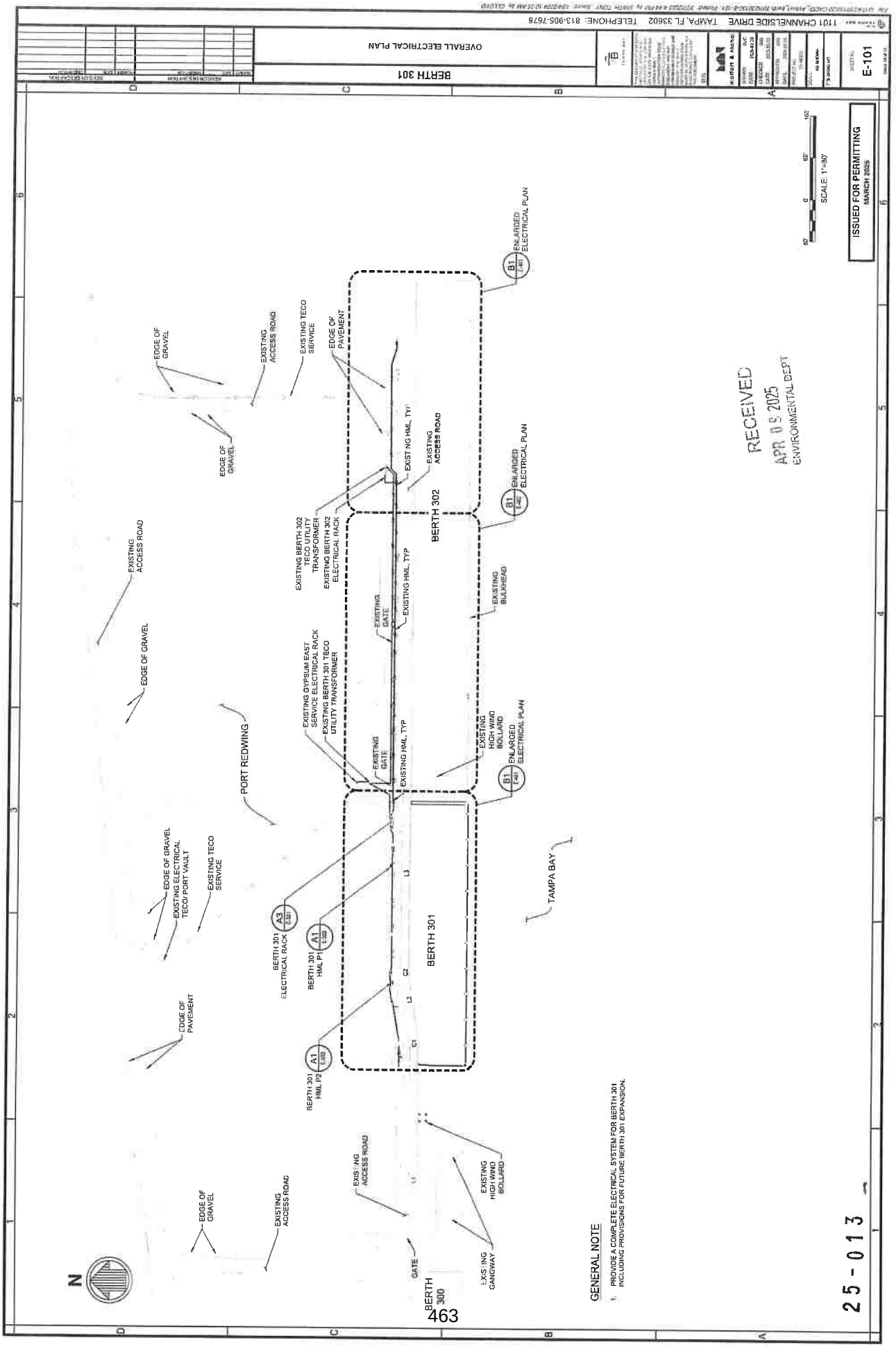
BERTH 301

ELECTRICAL NOTES (2 OF 2)

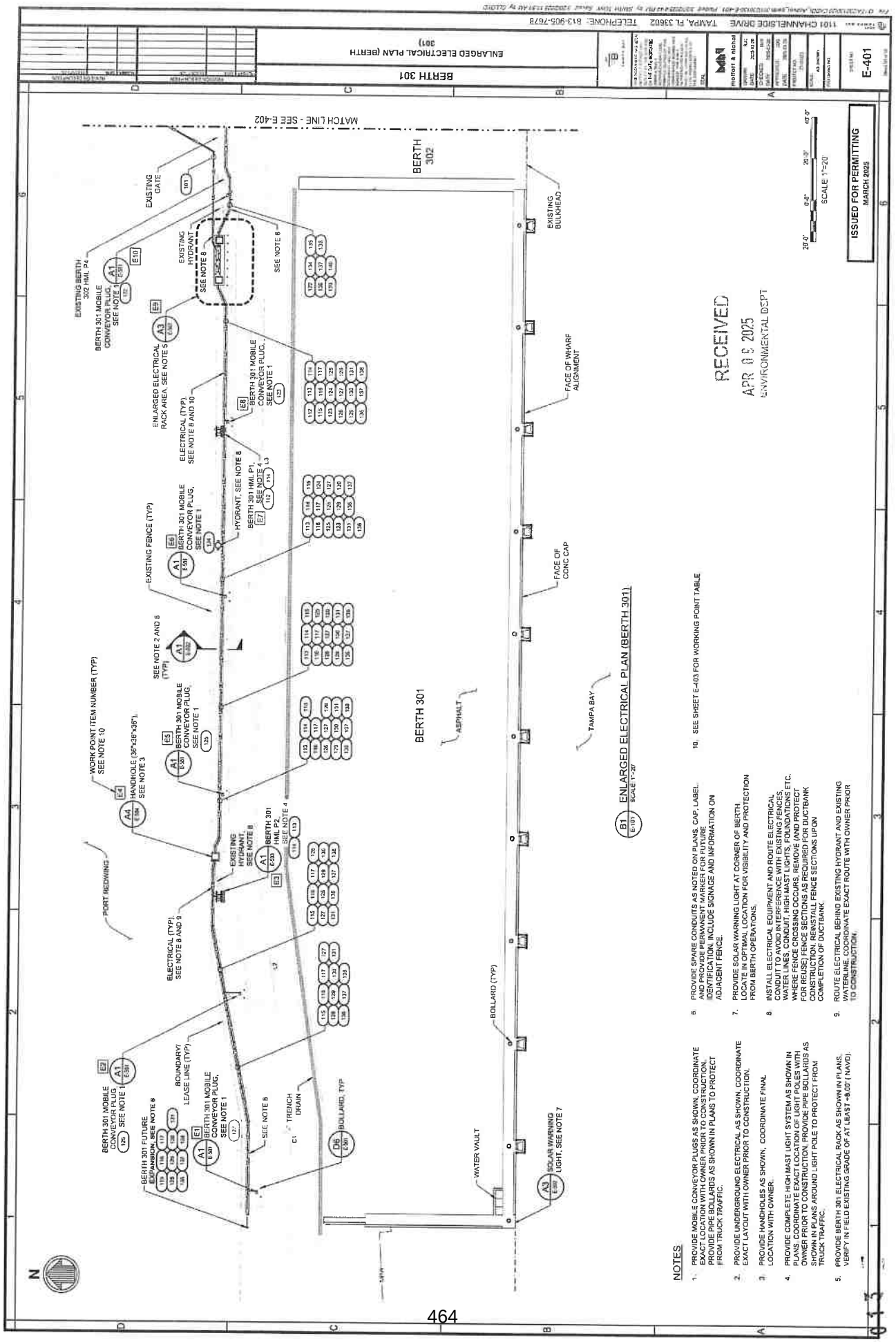
E-002

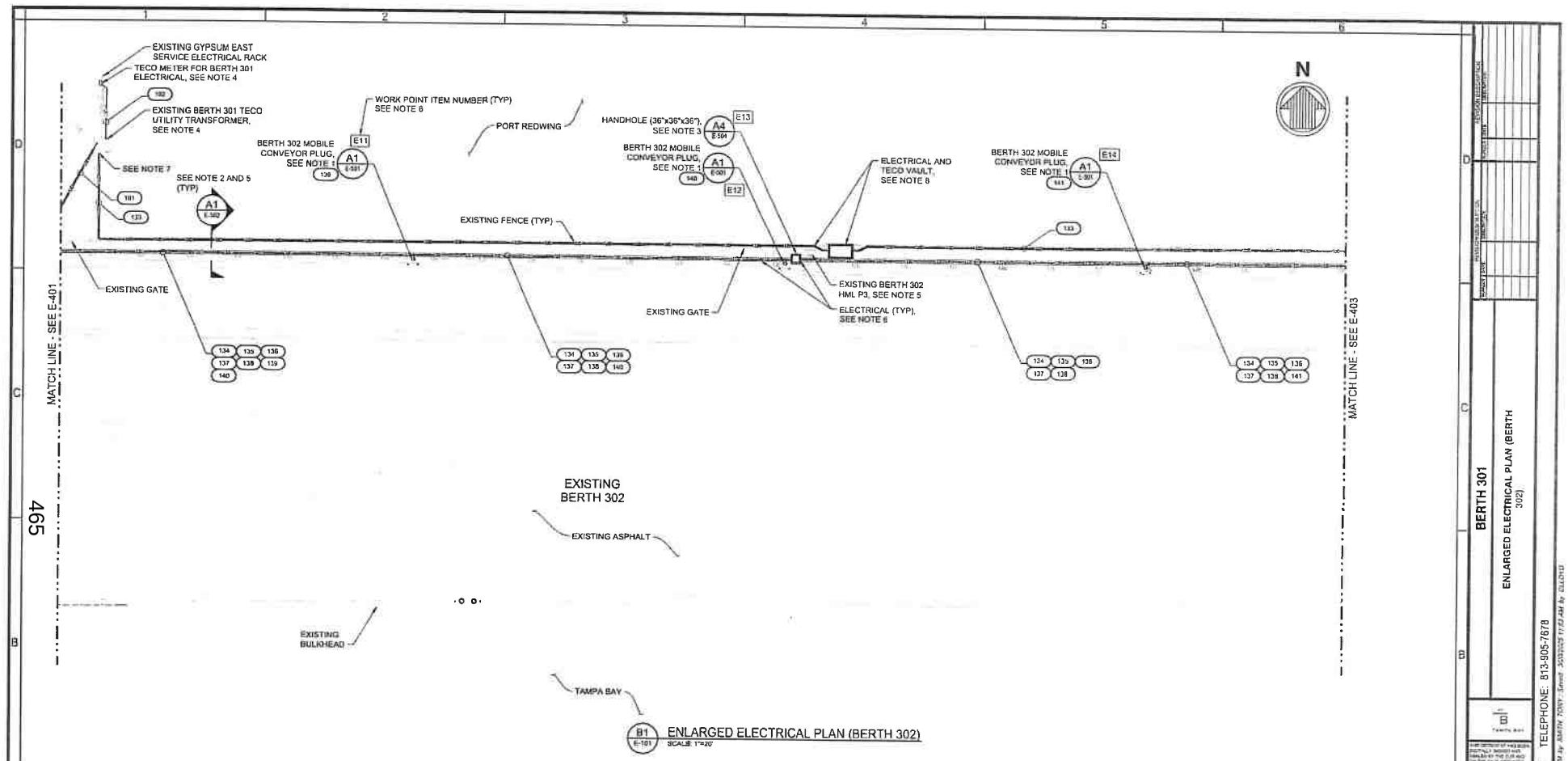
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





465

NOTES

1. PROVIDE MOBILE CONVEYOR PLUGS AS SHOWN. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION PROVIDE PIPE BOLLARDS AS SHOWN IN PLANS TO PROTECT ~~FROM TRUCK TRAFFIC~~.
2. PROVIDE UNDERGROUND ELECTRICAL AS SHOWN, COORDINATE EXACT LAYOUT WITH OWNER PRIOR TO CONSTRUCTION.
3. PROVIDE HANDHOLES AS SHOWN, COORDINATE FINAL LOCATION WITH OWNER.
4. COORDINATE WITH TECO FOR SERVICE FROM EXISTING TECO UTILITY TRANSFORMER. COORDINATE REQUIREMENTS FOR NEW SERVICE TO BERTH 301 ELECTRICAL RACK.
5. INSTALL ELECTRICAL EQUIPMENT AND ROUTE ELECTRICAL CONDUIT TO AVOID INTERFERENCE WITH EXISTING FENCES, WATER LINES, CONDUIT, HIGH MAST LIGHTS, FOUNDATIONS ETC. WHERE FENCE CROSSING OCCURS, REMOVE (AND PROTECT FOR REUSE) FENCE SECTIONS AS REQUIRED FOR DUCTBANK CONSTRUCTION. REINSTALL FENCE SECTIONS UPON COMPLETION OF DUCTBANK.
6. SEE SHEET E-403 FOR WORKING POINT TABLE.
7. COORDINATE SPARE PRIMARY CONDUIT STUB-UP INTO PRIMARY SIDE OF TRANSFORMER SECTION WITH TECO.
8. COORDINATE DUCTBANK AND VAULT REQUIREMENTS WITH TECO. PROVIDE PER TECO STANDARDS.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

20'-0" 0'-0" 20'-0" 40'-0"
SCALE: 1"=20'

ISSUED FOR PERMITTING
MARCH 2025

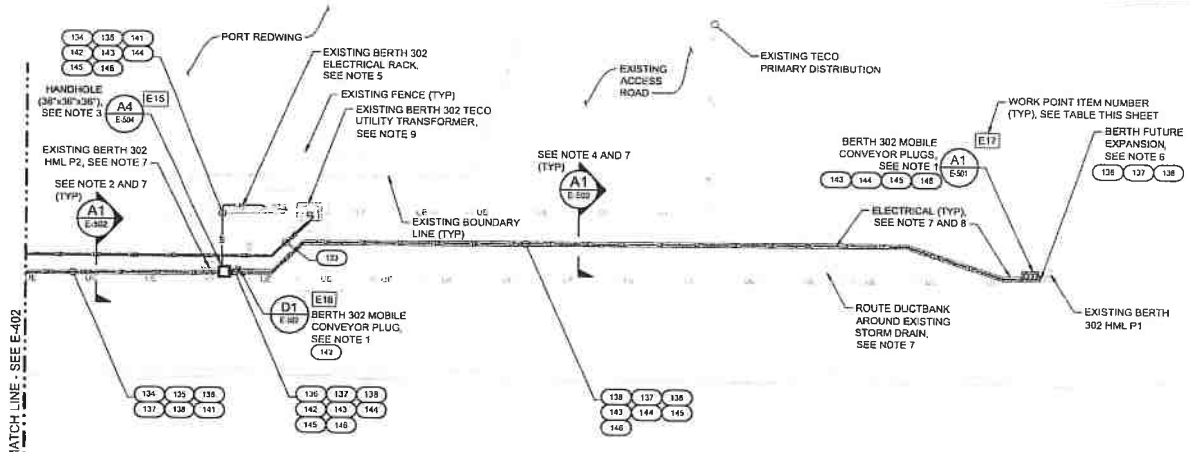
25-013

BERTH 301
ENLARGED ELECTRICAL PLAN (BERTH 302)

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

E-402

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



B1 E-101 ENLARGED ELECTRICAL PLAN (BERTH 302)
SCALE: 1"=20'

ELECTRICAL EQUIPMENT WORKING POINT TABLE		
ITEM NO.	NORTHING	EASTING
E1	1263246.1927	524674.6698
E2	1263255.2371	524769.6698
E3	1263266.1596	524815.3201
E4	1263268.0158	524834.3875
E5	1263264.7322	524864.6698
E6	1263264.7322	524959.6698
E7	1263269.1130	525036.1906
E8	1263264.7322	525043.4107
E9	1263259.7940	525120.7010
E10	1263266.2314	525152.6695
E11	1263264.7322	525324.6698
E12	1263264.7067	525476.6698
E13	1263256.8081	525480.5536
E14	1263264.7435	525624.6698
E15	1263268.8251	525769.3987
E16	1263268.1873	525774.6696
E17	1263268.8636	526036.1694

NOTE: WORK POINTS ARE LOCATED AT THE CENTER OF ELECTRICAL EQUIPMENT

NOTES

1. PROVIDE MOBILE CONVEYOR PLUGS AS SHOWN. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE PIPE BOLLARDS AS SHOWN IN PLANS TO PROTECT FROM TRUCK TRAFFIC.
2. PROVIDE UNDERGROUND ELECTRICAL AS SHOWN. COORDINATE EXACT LAYOUT WITH OWNER PRIOR TO CONSTRUCTION.
3. PROVIDE HANDHOLES AS SHOWN. COORDINATE FINAL LOCATION WITH OWNER.
4. PROVIDE CONCRETE ENCASED UNDERGROUND ELECTRICAL AS SHOWN. COORDINATE EXACT LAYOUT WITH OWNER PRIOR TO CONSTRUCTION.
5. PROVIDE ELECTRICAL AS SHOWN IN PLANS FOR BERTH 302 MOBILE CONVEYOR PLUGS. PROVIDE ALL CIRCUITS AND ADDITIONAL REQUIREMENTS FOR NEW MOBILE CONVEYOR PLUGS AS SHOWN. REFER TO RISER DIAGRAM, CABLE AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF ELECTRICAL WITH OWNER PRIOR TO CONSTRUCTION. STUB UP RGS CONDUIT AT EDGE OF EXISTING EQUIPMENT PAD AND ROUTE CONDUITS TO PANEL WITHOUT INTERFERENCE TO OPENING AND OPERATION OF EXISTING PANELS.
6. PROVIDE SPARE CONDUITS AS NOTED ON PLANS. CAP, LABEL, AND PROVIDE PERMANENT MARKER FOR FUTURE IDENTIFICATION. INCLUDE SIGNAGE AND INFORMATION ON ADJACENT FENCE.
7. INSTALL ELECTRICAL EQUIPMENT AND ROUTE ELECTRICAL CONDUIT TO AVOID INTERFERENCE WITH EXISTING FENCES, WATER LINES, CONDUIT, HIGH MAST LIGHTS, FOUNDATIONS ETC WHERE FENCE CROSSING OCCURS, REMOVE (AND PROTECT FOR REUSE) FENCE SECTIONS AS REQUIRED FOR DUCTBANK CONSTRUCTION. REINSTALL FENCE SECTIONS UPON COMPLETION OF DUCTBANK.
8. COORDINATE SPARE PRIMARY CONDUIT STUB-UP INTO PRIMARY SIDE OF TRANSFORMER SECTION WITH TECO

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

20'-0" 0'-0" 20'-0" 40'-0"
SCALE: 1"=20'

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ENLARGED ELECTRICAL PLAN (BERTH 302)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

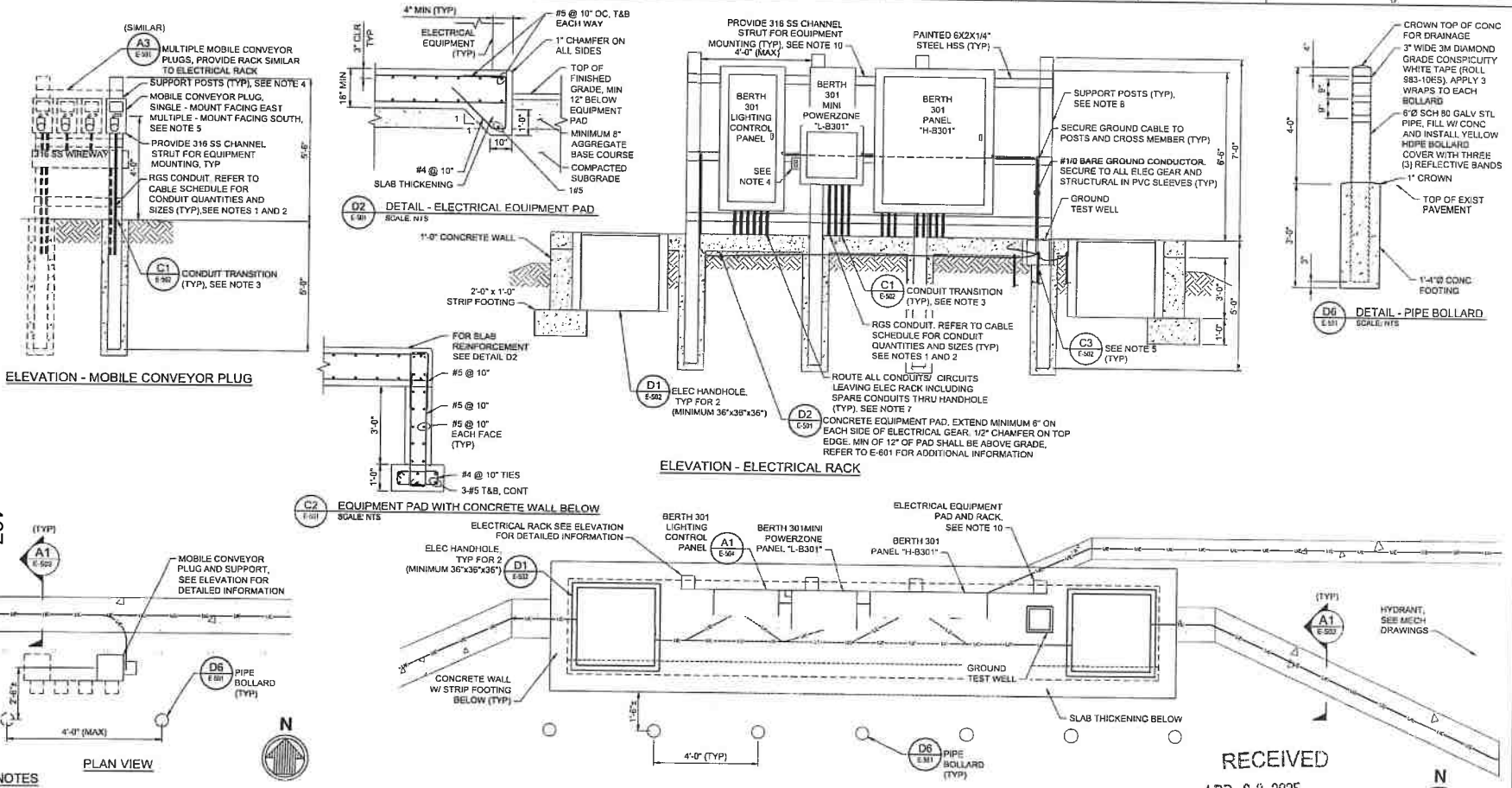
E-403

466

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



NOTES

1. PROVIDE GROUND BUSHINGS ON ALL CONDUITS.
2. PROVIDE CONDUIT AND CONDUCTORS FOR ALL DEVICES SHOWN ON THIS DETAIL. REFER TO SINGLE LINE AND PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
3. TRANSITION FROM PVC TO RGS CONDUIT UNDERGROUND *PRIOR TO CONDUIT ELBOW.*
4. PROVIDE 6"x6"x1/2" SQUARE TUBE STEEL FILLED WITH CONCRETE. PAINT WITH (2) COATS OF ZINC PRIMER AND (2) GRAY FINISH COATS OF PAINT. EMBED TUBE STEEL MINIMUM 5'-0" INTO 1'-3"Ø CONCRETE FOOTING. CONCRETE TO BE 4000 PSI.
5. PROVIDE 100A, 480V, 3Ø, 4W PIN & SLEEVE, NEMA 4X CIRCUIT BREAKER INTERLOCKED RECEPTACLE. SEE E-002 FOR MODEL NUMBER AND ADDITIONAL INFORMATION.

A1 E-501 DETAIL - MOBILE CONVEYOR PLUG
SCALE: 1/2"=1'-0"

E-401, E-402, E-403

NOTES

1. PROVIDE GROUND BUSHINGS ON ALL CONDUITS.
2. PROVIDE CONDUIT AND CONDUCTORS FOR ALL DEVICES SHOWN ON THIS DETAIL. REFER TO SINGLE LINE AND PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
3. TRANSITION FROM PVC TO RGS CONDUIT UNDERGROUND PRIOR TO CONDUIT ELBOW.
4. PROVIDE GFCI WEATHER RESISTANT DUPLEX RECEPTACLES WITH 20A BREAKER AND WEATHERPROOF IN-USE BOX WITH SELF CLOSER. PROVIDE 2#12, #12 GND IN 3/4" RGS CONDUIT FROM MINI POWERZONE.
5. CONNECT EACH PANEL AND TRANSFORMER TO MINIMUM (3) GROUND RODS WITH 10' MINIMUM SEPARATION IN A TRIAD ARRANGEMENT.
6. COORDINATE ADDITIONAL METER REQUIREMENTS WITH TECO PRIOR TO INSTALLATION. COORDINATE METER MODEL WITH TECO.
7. STUB UP ALL SPARE CONDUITS AT RACK. CONTINUE 12" BEYOND EDGE OF EQUIPMENT PAD FOR FUTURE USE. CAP, LABEL, AND INCLUDE PAVEMENT MARKER.
8. PROVIDE 6"x6"x1/2" SQUARE TUBE STEEL FILLED WITH CONCRETE. PAINT WITH (2) COATS OF ZINC PRIMER AND (2) GRAY FINISH COATS OF PAINT. EMBED TUBE STEEL MINIMUM 5'-0" INTO 1'-3"Ø CONCRETE FOOTING. CONCRETE TO BE 4000 PSI.
9. VERIFY IN FIELD EXISTING GRADE OF AT LEAST +8.00'. COORDINATE WITH CIVIL CONTRACTOR FOR ADDITIONAL FILL AROUND ELECTRICAL RACK TO MEET ELECTRICAL RACK EQUIPMENT REQUIREMENTS AS SHOWN ON E-501. EQUIPMENT PAD NOT TO EXCEED 18" ABOVE FINISH GRADE. PROVIDE A MAXIMUM 4:1 SLOPE OF GRADE FROM ELECTRICAL RACK TO EXISTING ADJACENT GRADE. COORDINATE WITH TECO NEW SERVICE FROM EXISTING TECO UTILITY TRANSFORMER. PROVIDE ALL CONDUIT AND ADDITIONAL REQUIREMENTS FOR NEW SERVICE TO BERTH 301 ELECTRICAL RACK. COORDINATE EXACT LOCATION OF ELECTRICAL RACK WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE PIPE BOLLARDS AS SHOWN IN PLANS AROUND ELECTRICAL RACK TO PROTECT FROM TRUCK TRAFFIC
10. PROVIDE SS HARDWARE FOR ALL ELECTRICAL EQUIPMENT SECURED TO ELECTRICAL RACK AND SUPPORTS.

A3 E-401 DETAIL - BERTH 301 ELECTRICAL EQUIPMENT RACK
SCALE: 1/2"=1'-0"

E-101, E-501

ISSUED FOR PERMITTING
MARCH 2025

467

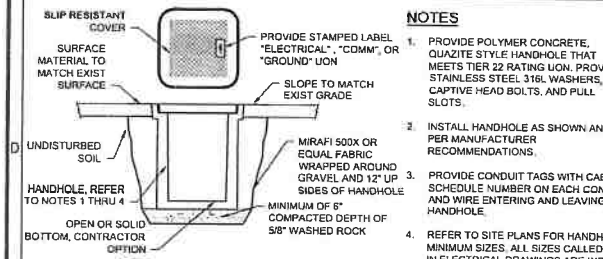
25-013

BERTH 301
ELECTRICAL DETAILS (1 OF 3)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-866-7678

E-501

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

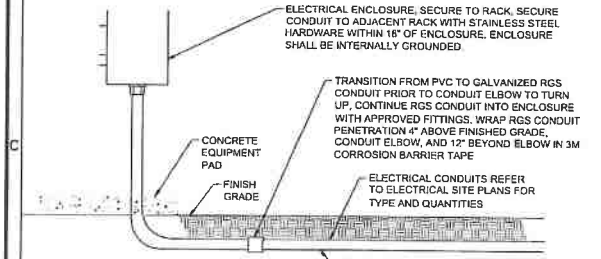


D1 E-501 DETAIL - ELECTRICAL HANDHOLE
SCALE: NTS

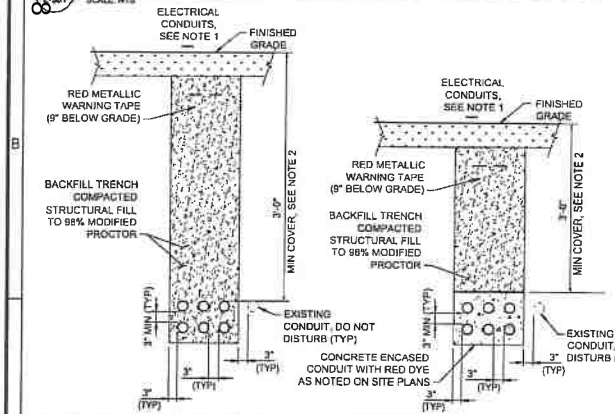
E-502

NOTES

1. PROVIDE POLYMER CONCRETE, QUAZITE STYLE HANDHOLE THAT MEETS TIER 22 RATING UON. PROVIDE STAINLESS STEEL 316L WASHERS, CAPTIVE HEAD BOLTS, AND PULL SLOTS.
2. INSTALL HANDHOLE AS SHOWN AND PER MANUFACTURER RECOMMENDATIONS.
3. PROVIDE CONDUIT TAGS WITH CABLE SCHEDULE NUMBER ON EACH CONDUIT AND WIRE ENTERING AND LEAVING HANDHOLE.
4. REFER TO SITE PLANS FOR HANDHOLE MINIMUM SIZES. ALL SIZES CALLED OUT IN ELECTRICAL DRAWINGS ARE INSIDE CLEAR DIMENSIONS.



C1 E-501 SECTION - TYPICAL CONDUIT TRANSITION BURIED TO ABOVE GROUND
SCALE: NTS



CONDUIT TRENCH (AS NOTED)

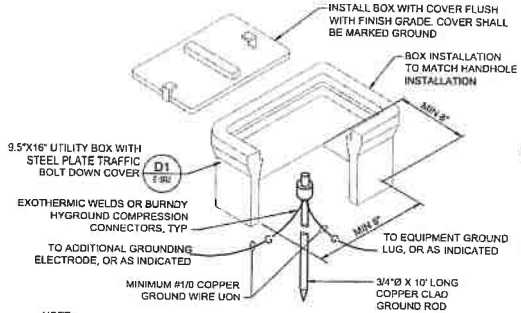
CONCRETE ENCASED (UON)

NOTES

1. REFER TO PLAN LAYOUTS AND CABLE SCHEDULE FOR CONDUIT/ CIRCUIT TYPE, CONDUIT SIZE, AND QUANTITY OF CONDUITS.
2. 36" MINIMUM DEPTH UON, EXACT DEPTH TO BE COORDINATED WITH CIVIL, STRUCTURAL, AND EXISTING CONDITIONS. DEPTH LESS THAN 36" TO BE APPROVED BY ENGINEER OR AS NOTED ON DRAWINGS.
3. MINIMUM OF 3" SEPARATION OF CONDUITS (TYP).
4. LOCATE EXISTING CONDUIT PRIOR TO TRENCHING (TYP).

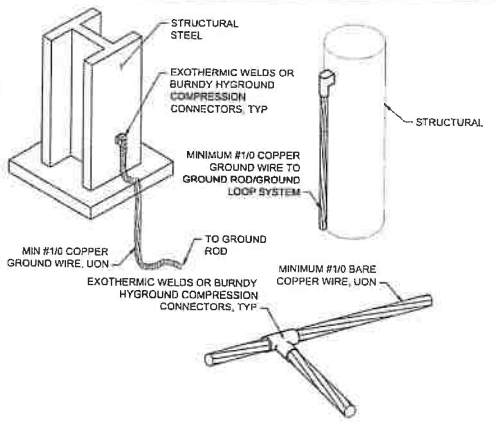
A1 E-501 SECTION - TYPICAL CONDUIT TRENCH
SCALE: NTS

E-401, E-402, E-403



NOTE:
1. REFER TO HANDHOLE DETAIL THIS SHEET FOR TEST WELL BOX.
2. PROVIDE MINIMUM (1) TEST WELL AT ALL ELECTRICAL EQUIPMENT RACKS.

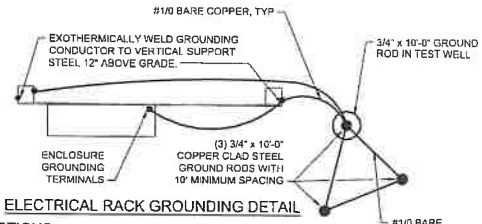
TEST WELL



GROUNDING AND CONNECTIONS

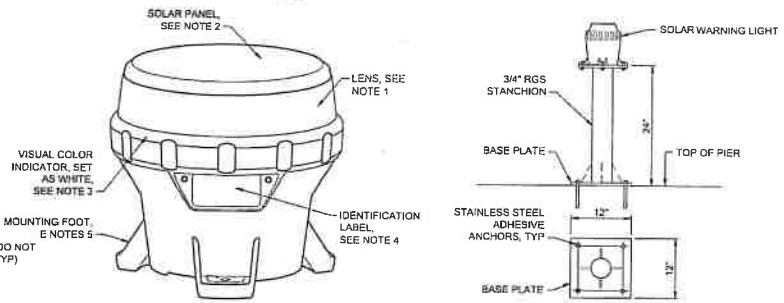
GROUNDING NOTES

1. PROVIDE GROUNDING AND GROUND RODS AS SHOWN ON PLANS FOR ALL ELECTRICAL PANELS, BUILDINGS, EQUIPMENT PADS, STRUCTURAL STEEL, AND EQUIPMENT INCLUDED IN THESE DRAWINGS.
2. PROVIDE A COMPLETE, CONTINUOUS GROUNDING SYSTEM.
3. CONNECT GROUND RODS TO GROUNDED COMPONENT WITH MINIMUM #1/0 BARE COPPER WIRE, UON. EXOTHERMICALLY WELD WIRE OR BURNDY HYGROUND COMPRESSION CONNECTORS ARE ACCEPTABLE BONDS.
4. **GROUND EQUIPMENT PADS, BUILDINGS AND FOUNDATIONS** A MINIMUM OF 2 PLACES AT OPPOSITE CORNERS, UON.
5. PROTECT GROUND WIRE EMERGING FROM UNDERGROUND WITH 1" PVC CONDUIT AS SHOWN IN DETAILS.



ELECTRICAL RACK GROUNDING DETAIL

C1 E-501 DETAILS - TYPICAL GROUNDING CONNECTIONS
SCALE: NTS



1. UV RESISTANT, POLYCARBONATE/POLYSOLAXANE CO-POLYMER BODY AND LENS MATERIAL. DOUBLE O-RING SEALING WITH WATERPROOF VENT. REPLACEABLE BATTERY PACK WITH STATUS FEEDBACK. SOLAR PANEL WITH BYPASS BLOCKING DIODE FUNCTION AND MAXIMUM POWER POINT (MPPT).
2. LED LIGHT SOURCE WITH TEMPERTURE-CORRECTED LED DRIVERS. SELECTABLE FLASH PATTERNS. SELECTABLE INTENSITY FROM 25 TO 925 LUX. SELECTABLE COLOR TO BE WHITE.
3. LUMINAIRE SHALL BE MANUFACTURER SABIK MARINE MODEL: #M550 OR APPROVED EQUAL. -45 TO 124 FAHRENHEIT AMBIENT OPERATING TEMPERATURE. USCG PATON 33CFR66 & CFR67 CLASS C COMPLAINT.
4. SOLAR POWER WARNING LIGHT SHALL BE INSTALLED ON AS SHOWN ON DRAWINGS. PROVIDE STANCHION MOUNT AS SHOWN. SECURE WARNING LIGHT WITH 316 STAINLESS STEEL HARDWARE. LOCATE LIGHT IN OPTIMUM LOCATION VISIBLE TO APPROACHING VESSELS, PROTECTED FROM ARTIFICIAL LIGHT SOURCES AND PROTECTION FROM POSSIBLE DAMAGE.

A3 E-401 SOLAR WARING LIGHT WITH STACHION MOUNT
SCALE: NTS

RECEIVED
APR 0 8 2025
ENVIRONMENTAL DEPT

ISSUED FOR PERMITTING
MARCH 2025

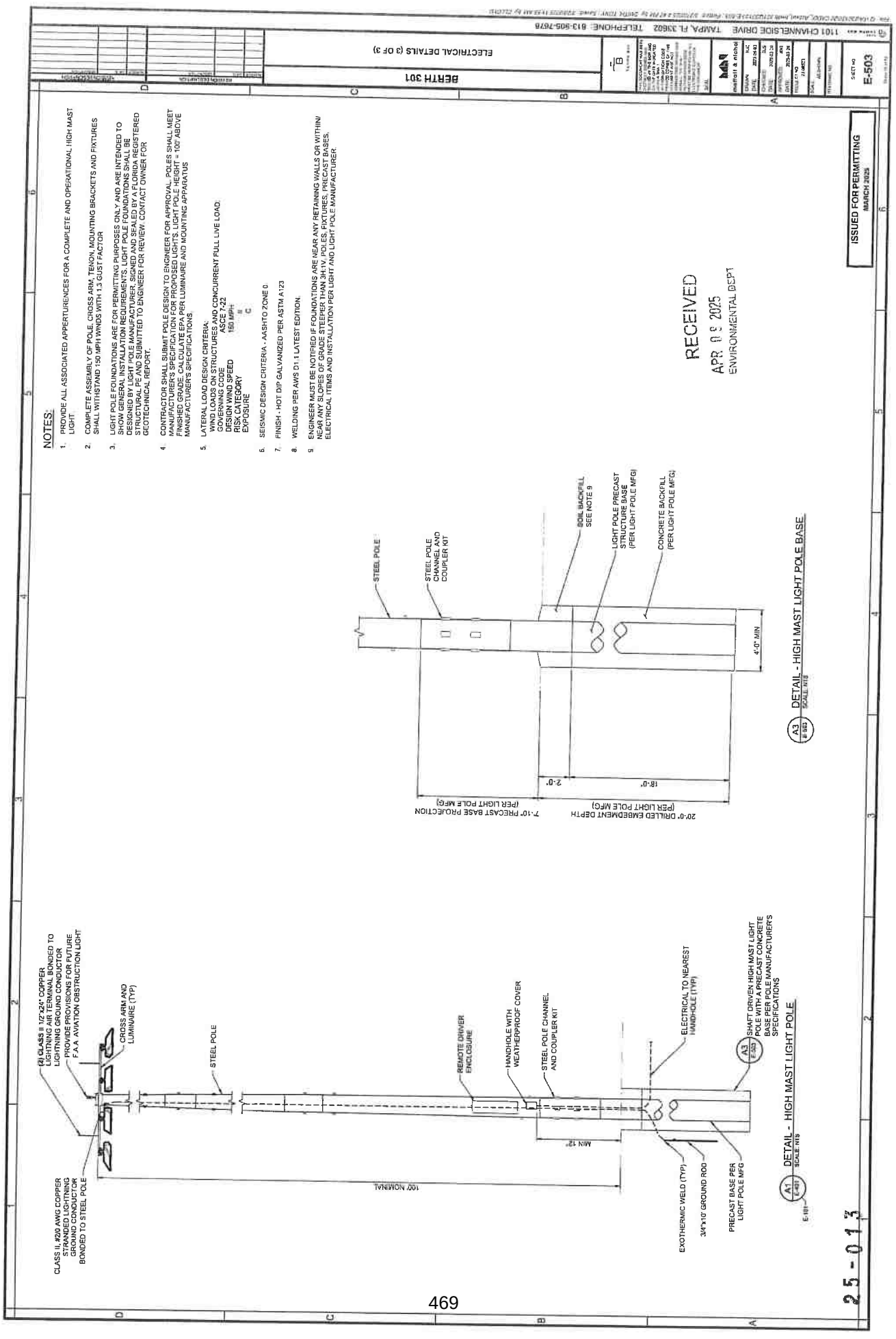
BERTH 301
ELECTRICAL DETAILS (2 OF 3)

moffatt & nichol
DRAWN
DATE
CHECKED
DATE
APPROVED
DATE
PROJECT NO
73-01371
SCALE:
AS SHOWN
PW DRAWING NO.
DRAWING
E-502

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

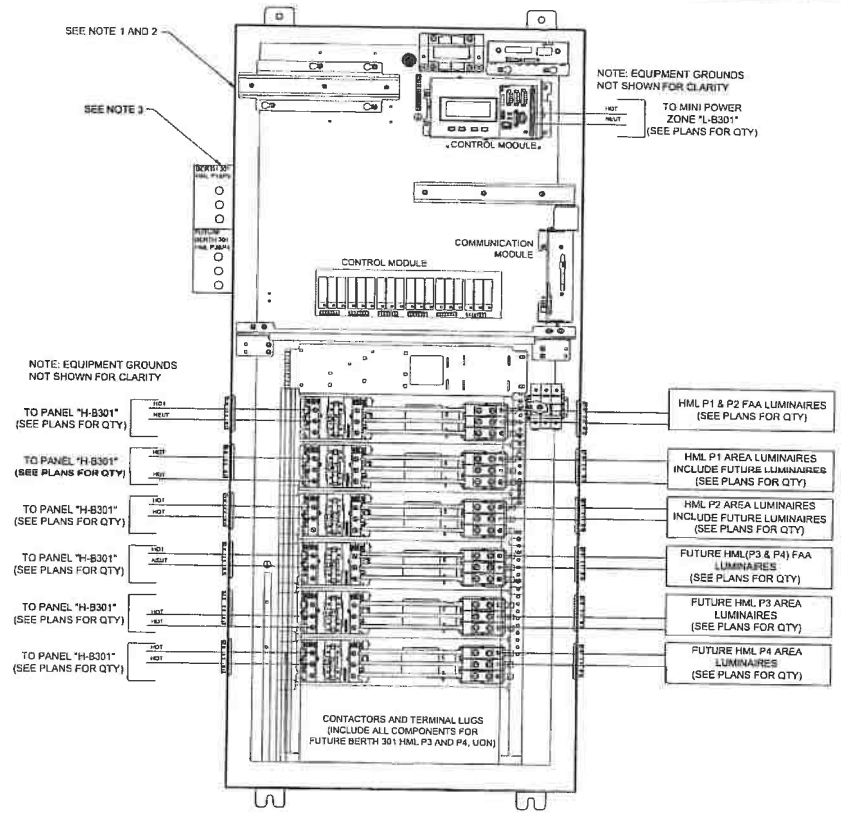
25 - 013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



LUMINAIRE SCHEDULE

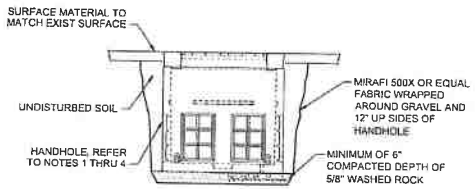
LUMINAIRE POLE #	# OF LUMINAIRES PER POLE	MANUFACTURER	LUMINAIRE MODELS	VOLT-AMPS	VOLTS	HEIGHT	NOTES
HML P1, HML P2	4 + 3 FUTURE	MUSCO LIGHTING	TLC-LED-550 OR ENGINEER APPROVED EQUAL	4860	480V	100'	
HML P1, HML P2	1	POINT LIGHTING	POL-21006-1F-R-34B-SZ-P OR ENGINEER APPROVED EQUAL	36	277V	100'	FAA OBSTRUCTION LIGHT



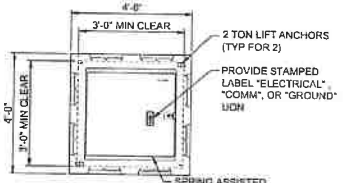
NOTES

1. LIGHTING CONTROL PANEL, NEMA 4 PAINTED ALUMINUM, WITH MINIMUM OF (6) LIGHTING CONTACTORS AND ASTRONOMICAL TIMECLOCK: CONTROL-LINK SYSTEM OR APPROVED EQUAL.
2. PROVIDE ALL COMPONENTS AND INTERNAL WIRING FOR MINIMUM OF (2) ADDITIONAL HML'S. THIS IS TO INCLUDE RELAYS, PUSH BUTTON CONTROL, AND ADDITIONAL NAVIGATION LIGHTS FOR FUTURE BERTH 301 EXPANSION OF HML P3 AND P4.
3. LIGHTING CONTROL CRITERIA (REFER TO E-002 FOR ADDITIONAL INFORMATION):
   - A. ASTRONOMICAL TIME CLOCK SHALL TURN ON HML AREA LUMINAIRES AT DUSK AND SHALL DEFAULT TO A DEMAND OUTPUT SO THAT BERTH 301 EXTENSION IS AT 1 FC AVERAGE WITH A SINGLE POINT MINIMUM OF 0.5 FC. REFER TO E-002 FOR AREA BOUNDARIES.
   - B. WHEN THE "OPERATIONAL HML" PUSH BUTTON IS ACTIVATED HML AREA LUMINAIRES SHALL HAVE OUTPUT TO ACHIEVE 5FC AVERAGE FOR BERTH 301 (REFER TO E-002 FOR AREA BOUNDARIES). WHEN "SECURITY" PUSH BUTTON IS ACTIVATED, THE DEFAULT LIGHT OUTPUT SETTINGS SHALL BE RESTORED. WHEN THE "OFF" PUSH BUTTON IS ACTIVATED, ALL LIGHTS SHALL TURN OFF. IN THE EVENT LIGHTS ARE LEFT ON OR OFF, THE LIGHTS WILL RETURN TO THE "NON-OPERATIONAL" LIGHTING LEVELS AT THE NEXT ASTRONOMICAL TIME CLOCK CYCLE.
   - C. FAA AVATION OBSTRUCTION LIGHTS SHALL REMAIN ON FROM DUSK TO DAWN.
4. PROVIDE WEATHERPROOF 3-HOLE CONTROL STATION WITH (3) SS TYPE, 316 MOMENTARY CONTACT PUSH BUTTONS FOR HML LIGHTING. PROVIDE PHENOLIC LABEL FOR ALL COMPONENTS OF CONTROL.

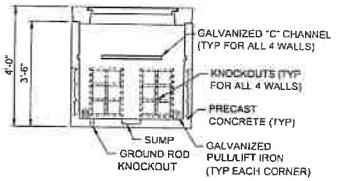
A1 / E-501 LIGHTING CONTROL PANEL DETAIL
SCALE: NTS



HANDHOLE



PLAN VIEW



SECTION

NOTES

1. PROVIDE PRECAST CONCRETE HANDHOLE THAT MEETS H20 RATING UON. PROVIDE STAINLESS STEEL 316L WASHERS, CAPTIVE HEAD BOLTS, AND PULL SLOTS.
2. INSTALL HANDHOLE AS SHOWN AND PER MANUFACTURER RECOMMENDATIONS.
3. PROVIDE CONDUIT TAGS WITH CABLE SCHEDULE NUMBER ON EACH CONDUIT AND WIRE ENTERING AND LEAVING HANDHOLE.
4. REFER TO SITE PLANS FOR HANDHOLE MINIMUM SIZES. ALL SIZES CALLED OUT IN ELECTRICAL DRAWINGS ARE INSIDE CLEAR DIMENSIONS.

A4 / E-401 DETAIL - HANDHOLE (TRAFFIC RATED)
SCALE: NTS

E-403, E-402

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

ISSUED FOR PERMITTING
MARCH 2025

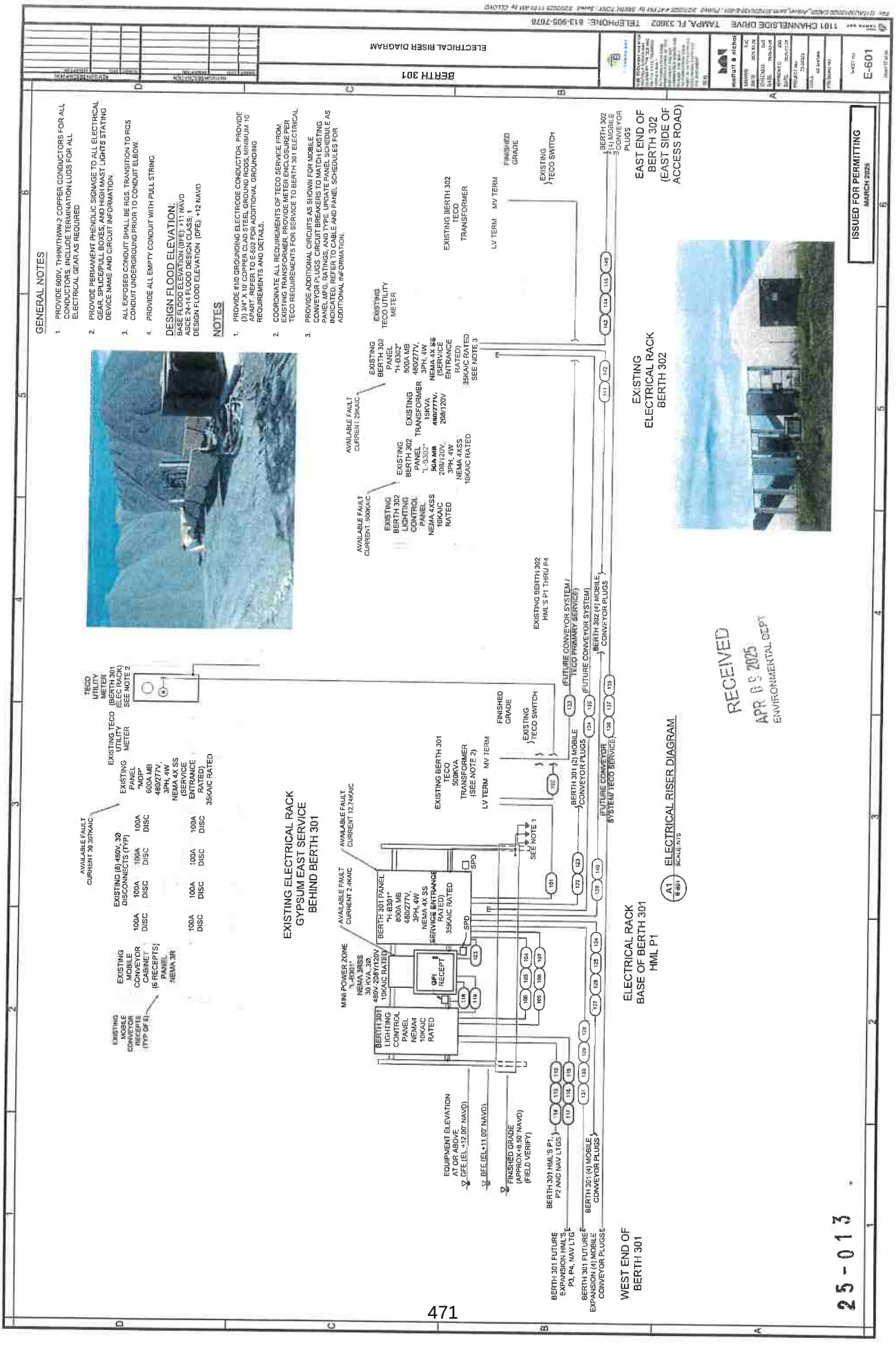
BERTH 301
ELECTRICAL DETAILS (4 OF 4)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7878

SHEET NO.
E-504

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

CABLE SCHEDULE

CABLE #	FROM	TO	CONDUCTORS	CONDUIT	VOLTAGE/CONTROL	SEE NOTE
101	EXIST'G BERTH 301 TECO UTILITY TRANSFORMER	BERTH 301 ELEC RACK - PANEL "H-B301"	(2) SETS 4#600	(2)4" PVC	480V 3PHASE	
102	EXIST'G BERTH 301 TECO UTILITY TRANSFORMER	EXIST'G GYPSUM ELEC RACK - NEW TECO UTILITY METER	BY TECO	TECO STANDARD		
103	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - MPZ PANEL "L-B301"	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
104	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LIGHTING CNTL PNL (HML P1)	2#10, #10 GND	1" PVC/RGS	480V 1PHASE	
105	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LIGHTING CNTL PNL (HML P2)	2#10, #10 GND	1" PVC/RGS	480V 1PHASE	
106	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LIGHTING CNTL PNL (NAV LTS)	2#10, #10 GND	1" PVC/RGS	277V 1PHASE	
107	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LTG CNTL PNL(FUTURE HML P3)	PULL STRING	1" PVC/RGS		
108	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LTG CNTL PNL(FUTURE HML P4)	PULL STRING	1" PVC/RGS		
109	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LTG CNTL PNL(FUTURE NAV LTS)	PULL STRING	1" PVC/RGS		
110	NOT USED					
111	NOT USED					
112	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 HML P1	2#10, #10 GND	1" PVC/RGS	480V 1PHASE	
113	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 HML P2	2#10, #10 GND	1" PVC/RGS	480V 1PHASE	
114	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 HML P1 & P2 NAVIGATIONAL LIGHTS	2#10, #10 GND	1" PVC/RGS	277V 1PHASE	
115	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 FUTURE EXPAN HML P3	PULL STRING	1" PVC/RGS		
116	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 FUTURE EXPAN HML P4	PULL STRING	1" PVC/RGS		
117	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 FUTURE EXPAN HML P3 & P4 NAV LTS	PULL STRING	1" PVC/RGS		
118	BERTH 301 ELEC RACK - MPZ PANEL "L-B301"	BERTH 301 ELEC RACK - GFI RECEPTACLE	2#12, #12 GND	1" PVC/RGS	120V 1PHASE	
119	BERTH 301 ELEC RACK - MPZ PANEL "L-B301"	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	2#12, #12 GND	1" PVC/RGS	120V 1PHASE	
120	NOT USED					
121	NOT USED					
122	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
123	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
124	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
125	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
126	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
127	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
128	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 FUTURE EXPAN MOBILE CONVEYOR PLUG	PULL STRING	1-1/2" PVC/RGS		
129	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 FUTURE EXPAN MOBILE CONVEYOR PLUG	PULL STRING	1-1/2" PVC/RGS		
130	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 FUTURE EXPAN MOBILE CONVEYOR PLUG	PULL STRING	1-1/2" PVC/RGS		
131	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 FUTURE EXPAN MOBILE CONVEYOR PLUG	PULL STRING	1-1/2" PVC/RGS		
132	NOT USED					
133	EXIST'G BERTH 301 TECO UTILITY TRANSFORMER	EXIST'G BERTH 302 TECO UTILITY TRANSFORMER	PULL STRING	4" PVC	TECO PRIMARY	
134	BERTH 301 ELEC RACK	EXIST'G BERTH 302 ELEC RACK	PULL STRING	3" PVC		
135	BERTH 301 ELEC RACK	EXIST'G BERTH 302 ELEC RACK	PULL STRING	3" PVC		
136	BERTH 301 WEST END	BERTH 302 EAST END	PULL STRING	3" PVC		
137	BERTH 301 WEST END	BERTH 302 EAST END	PULL STRING	3" PVC		
138	BERTH 301 WEST END	BERTH 302 EAST END	PULL STRING	2" PVC		
139	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
140	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
141	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
142	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
143	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
144	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
145	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
146	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #8 GND	1-1/2" PVC/RGS	480V 3PHASE	
147	NOT USED					
148	NOT USED					
149	NOT USED					
150	NOT USED					
151	NOT USED					
152	NOT USED					
153	NOT USED					
154	NOT USED					
155	NOT USED					
156	NOT USED					
157	NOT USED					
158	NOT USED					
159	NOT USED					
160	NOT USED					

GENERAL NOTES:

1. PROVIDE 600V, THHN/THWN COPPER CONDUCTORS FOR ALL CONDUCTORS. INCLUDE TERMINATION LUGS FOR ALL ELECTRICAL GEAR AS REQUIRED.
2. ALL EXPOSED CONDUIT SHALL BE RGS. TRANSITION TO RGS CONDUIT UNDERGROUND PRIOR TO CONDUIT ELBOW.
3. PROVIDE ALL EMPTY CONDUIT WITH PULL STRING.
4. PROVIDE AND COORDINATE ALL ROUTING REQUIREMENTS OF SPARE CONDUIT BETWEEN TECO TRANSFORMERS, REFER TO **CABLE SCHEDULE #133**.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

472

25-013

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ELECTRICAL CABLE SCHEDULE

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813.905.7678

DRAWN	RJC
DATE	2025.02.28
CHECKED	LJJ
DATE	2025.03.31
APPROVED	JDC
DATE	2025.02.28
PROJECT NO	23.00323
SCALE	AS SHOWN
FILE DRAWING	
SHEET NO	E-602

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PANELBOARD: H-B301

VOLTAGE:	480/277	BUS RATING (A):	600A	ENCLOSURE:	NEMA 4X, 316 STAINLESS STEEL
PHASE:	3	MAIN OC DEVICE:	600A MAIN BREAKER	MOUNTING:	ELEC RACK - SURFACE MOUNTED
WIRE:	4+GND	INTERRUPTING RATING (KAIC):	35	LOCATION:	BERTH 301
NEUTRAL:	YES	SERVICE ENTRANCE LABEL:	YES		

CKT NO.	DESCRIPTION	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	OCP AMPS	P		OCP AMPS	P	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO.
1	PANEL "L-B301"				925	60	3	A	30	3					SPD	2
3	(MINI POWERZONE)				925			B								4
5	30KVA				525			C								6
7	SITE LTG - HML P1	2430				20	2	A	100	3		17200			MOBILE CONVEYOR PLUG	8
9	(BERTH 301)	2430						B				17200			(BERTH 302)	10
11	SITE LTG - HML P2	2430				20	2	C				17200				12
13	(BERTH 301)	2430						A	100	3		17200			MOBILE CONVEYOR PLUG	14
15	FUTURE SITE LTG - HML P3	2430				20	2	B				17200			(BERTH 302)	16
17	(BERTH 301 FUTURE EXPAN)	2430						C				17200				18
19	FUTURE SITE LTG - HML P4	2430				20	2	A	100	3		17200			MOBILE CONVEYOR PLUG	20
21	(BERTH 301 FUTURE EXPAN)	2430						B				17200			(BERTH 301)	22
23	NAV LTG BERTH 301 P1 & P2	200				20	1	C				17200				24
25	FUT NAV LTG BRTH P3 & P4	200				20	1	A	100	3		17200			MOBILE CONVEYOR PLUG	26
27	SPARE					20	2	B				17200			(BERTH 301)	28
29								C				17200				30
31	FUT MOBILE CONVEYOR PLUG		17200			100	3	A	100	3		17200			MOBILE CONVEYOR PLUG	32
33	(BERTH 301 FUTURE EXPAN)		17200					B				17200			(BERTH 301)	34
35			17200					C				17200				36
37	FUT MOBILE CONVEYOR PLUG		17200			100	3	A	100	3		17200			MOBILE CONVEYOR PLUG	38
39	(BERTH 301 FUTURE EXPAN)		17200					B				17200			(BERTH 301)	40
41			17200					C				17200				42
43	FUT MOBILE CONVEYOR PLUG		17200			100	3	A	100	3		17200			MOBILE CONVEYOR PLUG	44
45	(BERTH 301 FUTURE EXPAN)		17200					B				17200			(BERTH 301)	46
47			17200					C				17200				48
49	FUT MOBILE CONVEYOR PLUG		17200			100	3	A	100	3		17200			MOBILE CONVEYOR PLUG	50
51	(BERTH 301 FUTURE EXPAN)		17200					B				17200			(BERTH 301)	52
53			17200					C				17200				54

LOAD SUMMARY

	LTS	REC	MECH	MISC	SPARE	TOTAL			NOTES: INCLUDE SPD
CONNECTED LOAD (KVA)	10.6	819.2	0.0	1.6	—	840.6	480	LINE-TO-LINE VOLTS	
DEMAND FACTOR	1.25	1.00	1.00	1.00	—	—	771	CONNECTED AMPS	
DESIGN LOAD (KVA)	24.8	819.2	0.0	1.6	—	845.5	777	DESIGN AMPS	

PANELBOARD: L-B301 (MINI POWERZONE)

VOLTAGE:	208/120	BUS RATING (A):	100A	ENCLOSURE:	NEMA 3R, 316 STAINLESS STEEL
PHASE:	3	MAIN OC DEVICE:	100A MAIN BREAKER	MOUNTING:	ELEC RACK - SURFACE MOUNTED
WIRE:	4+GND	INTERRUPTING RATING (KAIC):	10	LOCATION:	BERTH 301
NEUTRAL:	YES	SERVICE ENTRANCE LABEL:	NO		

CKT NO.	DESCRIPTION	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	OCP AMPS	P		OCP AMPS	P	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO.
1	RACK MOUNT RECEPT		360			20	1	A	20	1				1200	LIGHTING CONTROL PANEL	2
3	SPARE					20	1	B	20	1					SPARE	4
5	SPARE					20	1	C	20	1					SPARE	6
7	SPARE					30	2	A	20	1					SPARE	8
9								B	20	1					SPARE	10
11	SPACE							C							SPACE	12
13	SPACE							A							SPACE	14
15	SPACE							B							SPACE	16
17	SPACE							C							SPACE	18
19	SPACE							A	30	3					SPD	20
21	SPACE							B								22
23	SPACE							C								24

LOAD SUMMARY

	LTS	REC	MECH	MISC	SPARE	TOTAL			NOTES: INCLUDE SPD
CONNECTED LOAD (KVA)	0.0	0.4	0.0	1.2	—	1.6	208	LINE-TO-LINE VOLTS	
DEMAND FACTOR	1.00	1.00	1.00	1.00	—	—	4	CONNECTED AMPS	
DESIGN LOAD (KVA)	0.0	0.4	0.0	1.2	—	1.6	4	DESIGN AMPS	

PANELBOARD: H-B302 (EXISTING)



EXISTING PANEL H-B302

GENERAL NOTES

1. PROPERLY LABEL ALL CONDUIT, CONDUCTORS, JUNCTION BOXES, ELECTRICAL GEAR WITH CABLE SCHEDULE AND CIRCUIT IDENTIFICATION.
2. PROVIDE ALL TERMINATION LUGS AND CONNECTION KITS.
3. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.
4. ALL SPARE BREAKERS SHALL BE IN THE "OFF" POSITION. PROVIDE TYPE WRITTEN ADHESIVE LABEL FOR ALL SPARE BREAKERS. MOUNT LABEL ADJACENT TO EACH SPARE CIRCUIT BREAKER.
5. MULTI-POLE CIRCUIT BREAKERS SHALL HAVE SINGLE HANDLE ON THE CENTER. 2 OR 3 SINGLE POLE CIRCUIT BREAKERS TIED TOGETHER SHALL NOT BE USED.
6. THERE SHALL BE NO SPLICES INSIDE PANELBOARDS.
7. TYPE WRITTEN DIRECTORIES SHALL INDICATE PANEL NAME, VOLTAGE, CIRCUIT NUMBERS, LOAD DESCRIPTIONS, AND LOCATIONS AS INDICATED IN THE PANELBOARD SCHEDULES. DIRECTORIES BASED UPON ACTUAL FIELD INSTALLATIONS IF REQUIRED.

RECEIVED
APR 08 2025
ENVIRONMENTAL DEPT

25-013

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ELECTRICAL PANEL SCHEDULES

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-505-7575

merritt & nichol
DRAWN: HJC
DATE: 2025.03.26
CHECKED: DJS
DATE: 2025-03-26
APPROVED: DJS
DATE: 2025-03-26
PROJECT NO: 24-0133
SCALE: AS SHOWN
PTB DWG NO:

SHEET NO: E-603

THESE DOCUMENTS ARE NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DOCUMENTS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. THE ARCHITECT SHALL BE INDEMNIFIED AND HELD HARMLESS FROM ANY AND ALL LIABILITY ARISING FROM THE UNAUTHORIZED USE OF THESE DOCUMENTS.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Berth 301 Wharf

Permit Submittal Stormwater Report

Project No. 23-00323

PREPARED FOR:

PORT TAMPA BAY

Port Tampa Bay
1101 Channelside Dr.
Tampa, FL 33602

PREPARED BY:

Moffatt & Nichol
501 E. Kennedy Blvd. Suite 1901
Tampa, FL 33602

March 2025

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PROFESSIONAL ENGINEER CERTIFICATION

I hereby certify that I am a registered professional engineer in the State of Florida practicing engineering with **Moffatt & Nichol** and that I have supervised the preparation of and approve the analysis, findings, opinions, conclusions and technical advice hereby reported for:

PROJECT: Berth 301 Wharf, Port Tampa Bay
PTB PROJECT NO. 23-00323
Hillsborough County, Florida

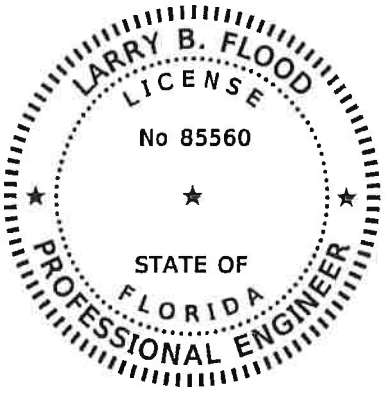
The engineering work represented by this document was performed through the following duly authorized engineering business:

Moffatt & Nichol
501 E. Kennedy Blvd. Suite 1901
Tampa, FL 33602
Certificate of Authorization: 4877
Telephone: 813-258-8818

This report provides drainage analysis and design for the Berth 301 Wharf by Port Tampa Bay. I acknowledge that the procedures and references used to develop the results contained in this report are standard to the professional practice of hydrologic analysis and hydraulic engineering as applied through professional judgment experience.

Any engineering analysis, documents, conclusions, or recommendations replied upon from other professional sources or provided with responsibility by the client are referenced accordingly in the following report.

Larry B. Flood State of Florida, Professional Engineer, License No. **85560**
This document has been digitally signed and sealed by Larry Flood on the date adjacent to the seal:



Larry B Flood 2025.03.27 16:48:05-04'00'

Printed copies of this document are not considered signed and sealed. The signature must be verified on the electronic copies.

The above named professional engineer shall be responsible for the following portions of this document in accordance with rule 61G15-23.004, F.A.C

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Project Location 1
1.2 Purpose of Drainage Report 1

2.0 STORMWATER MANAGEMENT CRITERIA 1
2.1 Stormwater Permitting Criteria 1

3.0 FLOODPLAIN 2

4.0 EXISTING CONDITIONS 2

5.0 PROPOSED CONDITIONS 3

APPENDICES

APPENDIX A - Figures

APPENDIX B - Calculations

APPENDIX C – Excerpts from Previous Reports.

APPENDIX D – Site Photos

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

1.0 INTRODUCTION

The purpose of this report is to detail the stormwater improvements completed as part of the construction of berth 301. Berth 301 is an extension of the existing berth 302 within Port Redwing to provide additional vessel capacity. The proposed berth will provide an additional 500 feet of berth face for Port Redwing. Port Tampa Bay has tasked Moffatt & Nichol with designing berth 301.

The new berth will require modifications to the existing stormwater system. The proposed stormwater improvements will include a trench drain to collect stormwater runoff from the proposed berth and access road. The runoff will be directed to a proposed exfiltration system behind the existing access road. The exfiltration system will utilize a modified manhole with a concrete weir to discharge into Tampa Bay.

1.1 PROJECT LOCATION

The project limits are located within Section 4 of Township 31 South, Range 19 East in Hillsborough County, Florida. The project begins at the intersection of DeLeon Street and Florida Avenue near Latitude 17°48'29.8" N and Longitude 82°24'23.1" W. The project falls within the regulatory boundaries of the Southwest Florida Water Management District (SWFWMD). A Project Location Map has been provided in **Appendix A**.

1.2 PURPOSE OF DRAINAGE REPORT

This report will provide documentation of the improvements to Port Redwing and the addition of berth 301. This report will document the proposed improvements and verify that the stormwater management facility will meet all required criteria. Proposed improvements will follow regulatory requirements and Best Management Practices as set forth in the FDOT Drainage Manual, 2024.

2.0 STORMWATER MANAGEMENT CRITERIA

The project lies within the jurisdiction of the Southwest Florida Water Management District and includes the construction of approximately 500 feet of new berth within Port Redwing. Runoff from the proposed berth will be captured and treated on site.

The proposed stormwater management system will be sized to capture the required treatment volume. The project area discharges into Tampa Bay, therefore no attenuation calculations are required for this project.

2.1 STORMWATER PERMITTING CRITERIA

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

The following criteria were collected from the latest editions of the following.

A. SWFWMD

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Environmental Resources Permit Applicants Handbook, Volume II.

B. Hillsborough County Public Works

Stormwater Management Technical Manual

WATER QUALITY

For exfiltration systems, the treatment system must treat the first 1 inch of runoff from the basin. If the project area is less than 100 acres, 0.5 inches of runoff from the basin area may be used.

WATER QUANTITY

The proposed stormwater management facility will discharge into Tampa Bay, a tidally influenced waterbody. Therefore, no water quantity calculations are required for this project.

RECOVERY

The required treatment volume shall be available within 72 hours of a storm event.

3.0 FLOODPLAIN

Review of the current FEMA flood maps shows the project located in Flood Zone AE, elevation 12 feet. It is assumed that this area is a tidally influenced floodplain due to the project site's location within Tampa Bay. No floodplain encroachment is anticipated as part of this project. A floodplain map is provided in **Appendix A**.

4.0 EXISTING CONDITIONS

The existing waterfront within the project boundary is currently undeveloped, with riprap lining the shoreline and two existing stormwater outfalls draining the upland portion of Port Redwing. The project site is adjacent to berth 302, which has already been constructed and is in use.

An existing access road crosses the site and runs along the entire waterfront portion of Port Redwing. The existing access road was constructed to provide access to Berth 302. The existing access road collects runoff within a series of curb and gutter inlets which direct the discharge to two small retention ponds located on the north side of the road. Stormwater calculations for the access road were completed by ICON in a stormwater report dated November 2017.

An existing unmaintained ditch runs along the back side of the project site. The existing ditch collects runoff from the upland portion of Port Redwing and discharges via two existing storm

RECEIVED
478 APR 09 2025
ENVIRONMENTAL DEPT
25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

sewer pipes into Tampa Bay. A selection of photos from the site visit are included in **Appendix D.**

5.0 PROPOSED CONDITIONS

The project involves the construction of berth 301 to provide increased vessel capacity for Port Redwing. Berth 301 will be constructed adjacent to existing berth 302 and will provide an additional 500 feet of berth face.

The proposed berth will match the existing slope on berth 302 and will be sloped to drain north toward the existing access road. A proposed trench drain will be added at the landside edge of the berth to collect runoff from both the existing access road and the proposed berth. The trench drain will grade to a single outfall point near the middle of the berth. The trench drain will discharge to a proposed exfiltration system running along the north side of the existing access road. Stormwater conveyance calculations are provided in **Appendix B.**

A portion of the access road currently treated in the existing ponds will be captured and treated in the new exfiltration system. Removing a portion of the access roads from the existing ponds basin areas will result in surplus treatment volume available in the existing ponds.

The proposed exfiltration system will utilize a 36" perforated pipe with a 5-foot wide by 5.85-foot-deep aggregate layer. Proposed manholes will be located at the ends of the exfiltration system. The proposed manholes will include a sump to reduce the amount of debris entering the system. A modified manhole containing a concrete weir will act as a control structure for the system. The top of the weir will be placed at the treatment volume elevation. Discharge over the top of the weir will outfall into Tampa Bay. Operation and maintenance of the proposed system will be completed by Port Tampa Bay.

The proposed exfiltration system is designed to allow for future expansion. If the area west of berth 301 is developed in the future, the exfiltration system can be expanded west below the access road. This would provide additional treatment volume for any future expansion.

Existing and Proposed Stormwater Management Facilities					
Facility	Existing TV Required (ac-ft)	Existing TV Provided (ac-ft)	Proposed TV Required (ac-ft)	Proposed TV Provided (ac-ft)	Surplus/Deficit (ac-ft)
Pond A [1]	0.17	0.17	0.16	0.17	0.01 [2]
Pond B [1]	0.02	0.02	0.01	0.02	0.01 [2]
Berth 301 Exfiltration System	N/A	N/A	0.07	0.07	0.00

Notes:

1. Pond A & B are existing facilities constructed as part of Berth 302 and the access road.
2. Existing ponds will not be modified as part of this project. Portions of the existing access road will be captured by the new exfiltration system. The existing ponds will have excess capacity.

A geotechnical evaluation of the area was completed by PSI as part of the Berth 302 access road design. The existing geotechnical analysis includes soil borings with seasonal high water table (SHWT) estimates and percolation tests. The existing geotechnical data was used for the design

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT
479
25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

and exfiltration calculations for this project. A copy of the geotechnical report from the access road project is included in **Appendix C**

The exfiltration system was designed to hold the required treatment volume within the system without accounting for infiltration. The soil borings and percolation tests located nearest the proposed exfiltration system were used to perform the calculations. The borings show an estimated SHWT elevation between 0 and 1. The invert of the proposed pipe is set at elevation 2, 1 foot higher than the SHWT. A factor of safety of 2 was used on all infiltration rates for the exfiltration system. Recovery analysis was completed using ICPRv4. The recovery analysis shows the exfiltration system can fully recover the treatment volume in 8.5 hours. Treatment and recovery calculations are included in **Appendix B.**

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Geotechnical Engineering Services Report
Proposed Berth 301
Gibsonton, Florida
S&ME Project No. 23840128

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

PREPARED FOR:
Moffatt & Nichol
501 East Kennedy Boulevard, Suite 1910
Tampa, Florida 33602

PREPARED BY:
S&ME, Inc.
7410 Northside Drive, Suite 110
Charleston, South Carolina 29420

February 21, 2025

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

February 21, 2025

Moffatt & Nichol
501 East Kennedy Boulevard, Suite 1910
Tampa, Florida 33602

Attention: Mr. John D. Glass, P.E.

Reference: **Geotechnical Engineering Services Report**
Proposed Berth 301
Gibsonton, Florida
S&ME Project No. 23840128

Dear Mr. Glass:

S&ME, Inc. (S&ME) has completed our geotechnical engineering services for the proposed Berth 301 at Port Tampa Bay in Gibsonton, Florida. Our services were provided pursuant to S&ME Proposal No. 23840128 dated June 8, 2023, as authorized by Moffatt & Nichol with the issuance of a Subconsultant Agreement dated September 7, 2023.

The purposes of our services were to explore the subsurface conditions at the subject site, to determine the general engineering characteristics of the materials encountered and to provide geotechnical engineering design information for use by others to develop design alternatives and cost estimates.

S&ME appreciates the opportunity to be of service to Moffatt & Nichol and Port Tampa Bay. Please contact us if you have any questions.

Sincerely,

S&ME, Inc.

AARON D. GOLDBERG LICENSE No 78158 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by: Aaron D Goldberg
DN: CN = Aaron D Goldberg C = US O = Unaffiliated
Date: 2025.02.21 17:51:15 -05'00'

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Aaron D. Goldberg, PE, BC.GE
Principal Engineer
Florida License No. 78158

Andrew Fiehler, PE (KY)
Senior Geotechnical Engineer

This item has been digitally signed and sealed by Aaron D. Goldberg, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

S&ME, Inc. | 7410 Northside Drive, Suite 110 | North Charleston, SC 29420 | p 843.884.0005 | www.smeinc.com

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Table of Contents

1.0 Introduction 1
1.1 Purpose 1
1.2 Project Information 1
1.3 Scope of Services and Report Format 1
2.0 Site Information 1
2.1 Site Description 1
3.0 Exploration and Testing Programs 2
3.1 Field Exploration 2
3.2 Laboratory Testing Program 2
4.0 Subsurface Conditions 2
4.1 Soil Conditions 2
4.2 Water Levels 3
5.0 Conclusions and Recommendations 3
5.1 General 3
5.2 Sheet Pile Walls 3
5.2.1 Soil Parameters for Sheet Pile Wall Design 3
5.2.2 General Design and Construction Considerations for Sheet Pile Walls 4
5.3 Driven Pile Recommendations 5
5.3.1 General 5
5.3.2 Axial Pile Analysis 5
5.3.3 Lateral Pile Information 6
5.4 Ground Improvement Options 6
5.5 Recommendations for Site Development 7
6.0 Site Preparation Recommendations 7
6.1 Stripping, Grubbing, and Demolition 7
6.2 Evaluation of Exposed Subgrade Soils 8

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



6.3 Surface Soil Compaction 8
6.4 Structural Fill/Backfill 8
6.5 Subgrade Repair and Improvement Methods 9
6.6 Excavations 9
7.0 Pavement Design Considerations 9
8.0 Guidelines for Construction Observation and Testing 10
9.0 Limitations 10

List of Tables

Table 5-1: Design Parameters for Soil Fill 4

Appendices

Appendix I – Figures and Soil Boring Logs
Appendix II – Laboratory Testing Results
Appendix III – Field and Laboratory Testing Procedures

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

1.0 Introduction

1.1 Purpose

The purpose of our services was to explore the general subsurface conditions at the subject site, to estimate the general engineering characteristics of the materials encountered, and to provide geotechnical assistance for berth design. This report presents geotechnical information for use by others to develop design alternatives and cost estimates.

1.2 Project Information

The Berth 301 Marine Infrastructure project is comprised of an approximately 500-foot long berth at Port Redwing (part of Port Tampa Bay) that will adjoin with the existing Berth 302. The project will consist of a sheet pile wall bulkhead with tie backs and include a high wind bollard. The Berth itself was dredged previously.

1.3 Scope of Services and Report Format

Our scope of services included site reconnaissance, field exploration, laboratory testing, and geotechnical engineering assessments of the encountered subsurface condition. The following sections of this report present discussions about the field exploration, laboratory testing programs, site conditions, and our corresponding conclusions and recommendations. Figures, soil boring logs, and soil parameters are presented in Appendix I while laboratory testing results are presented in Appendix II. Field and laboratory testing procedures are presented in Appendix III.

2.0 Site Information

2.1 Site Description

The subject area is located near the western end of Port Redwing in Gibsonton, Florida. The berth area is west of the existing Berth 302. The location of the proposed berth is depicted on the Site Location Plan (Figure 1 in Appendix I).

A review of historical aerial photographs showed that the Port Redwing area was generally undeveloped until sometime between 1998 and 2002, except for the construction of Diana Toledo Almeida Road. Berth 300 first appears in the 2010 aerial image and the construction of Berth 302 is seen in the 2017 aerial image. In the 2019 aerial image, the site appears to be in the same configuration as seen at the time of our site work. Based on our site observations, it appears that the existing roadway is supported on 4 to 6 feet of fill placed to construct the area and raise site grades.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

3.0 Exploration and Testing Programs

3.1 Field Exploration

Based on the planned improvements, we developed a direct testing program. Drilling was performed from both a barge-mounted rig and a truck-mounted drill rig. The six test locations and depths were selected by S&ME with the concurrence of the design team. Three marine borings were drilled in the water to a depth of 100 feet below the water surface and three borings were drilled on land to a depth of 100 feet below the existing ground surface to obtain data for use in our site characterization. The boring locations were established in the field using a hand-held GPS unit. The marine borings were offset from the originally planned locations based on the encountered water depth and on vessel activity in the area at the time of drilling. The boring locations are presented in Figure 2 in Appendix I.

Sampling of the soils was accomplished using the Standard Penetration Test (SPT) procedure (ASTM D1586). SPT N-values were generally obtained at the mudline and then at 5-foot intervals thereafter. For the land borings, SPT N-values were obtained continuously for the upper 10 feet, and then at 5-foot intervals thereafter. After drilling was completed, the borings were backfilled with a cement-bentonite grout. We conducted all drilling and sampling in general accordance with applicable ASTM standards. The SPT borings were drilled between September 12 and September 19, 2023.

3.2 Laboratory Testing Program

After completion of the field drilling and sampling phase of this project, recovered soil samples were returned to our laboratory where they were visually classified by a geotechnical engineer. Select soil samples were tested for percent fines (ASTM D1140). Results of these tests are presented on the soil boring logs in Appendix I at the depth of the individually tested soil sample. Additional samples were also selected for corrosion series testing which consisted of pH, chlorides, sulfates, and resistivity testing. These samples were tested in accordance with Florida Department of Transportation (FDOT) laboratory test methods FM5-550, FM-551, FM5-552, and FM5-553, respectively. The results of the laboratory testing are presented in Table II-1 in Appendix II.

4.0 Subsurface Conditions

4.1 Soil Conditions

The marine borings encountered water depths of 28 to 40 feet at the time of drilling. Boring M-1 encountered clay (CL) that was mostly very stiff to very hard from the mudline to a depth of about 83 feet. The clay was underlain by limestone to the termination depth of 100 feet (depth is measured from the water surface). Borings M-2 and M-3 encountered a more variable profile consisting of alternating layers of fine sands (SP), sands with clay (SP-SC), clayey sands (SC), and clay (CL) that varied in stiffness from very loose to medium dense from the mudline to a depth of about 73 to 83 feet. Beneath the clay and sand layers we encountered limestone extending to the termination depth of 100 feet below the water surface.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

The borings drilled on land encountered surface materials consisting of clayey sand (SC) at B-1, pavement at B-2, and limerock fill at B-3. Under the surficial materials, the borings encountered alternating layers of fine sands (SP), sands with clay (SP-SC), and sands with silt (SP-SM) that were very loose to medium dense to a depth range of about 37 to 42 feet. The upper sands were underlain by layers of loose to very dense clayey sands (SC), very stiff to very hard clays (CL), and limestone to depths of about 77 to 92 feet. The land borings then encountered limestone that exhibited moderate to high resistance to penetration testing to the termination depth of 100 feet.

The above subsurface description is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The soil boring logs included in Appendix I should be reviewed for specific information at individual boring locations. The transition between materials will be more, or less gradual than indicated and may be abrupt. Information on actual subsurface conditions exists only at specific boring locations and is relevant to the time the exploration was performed. Variations may occur and should be expected between boring locations.

4.2 Water Levels

The water depth at the marine test locations ranged from 28 to 40 feet while groundwater was encountered at a depth of about 10 feet below the ground surface in the borings drilled on land. Water depths will fluctuate due to tidal changes at the test locations. The water depth information presented in this report was collected at the time of our exploration as noted on the individual logs.

5.0 Conclusions and Recommendations

5.1 General

The conclusions and recommendations presented in this report are based on the preceding project information and the results of this exploration. Actual subsurface conditions may vary between or away from the soil boring locations and should be expected. If it becomes apparent during construction that the conditions encountered vary substantially from those presented herein, this office should be notified at once. At that time, the conditions can be evaluated, and the recommendations of this report modified, in written form, if necessary.

When reviewing these recommendations, keep in mind that, as with any site, unexpected subsurface conditions may be encountered. These variable conditions can normally be handled during construction by field engineering evaluation.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

5.2 Sheet Pile Walls

5.2.1 *Soil Parameters for Sheet Pile Wall Design*

We understand that the current design includes a Pipe-Z king pile wall system. This system is proposed to consist of 60-inch diameter steel pipe king piles and NZ-19 steel sheet piles. The actual sheet pile wall design will be performed by Moffat & Nichol (M&N). Soil strength is normally defined in terms of a cohesion value, c, for clays or an angle of internal friction, ϕ, for sands. The results of the borings were used to estimate shear strength,

25-0173

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

friction angle, and other soil parameters for use in the design of the sheet pile wall. The design of the walls should consider the surcharge loads from the operations and traffic loading behind the wall. The walls should be designed for the maximum planned dredge depths and fill heights. The soil properties are presented in Appendix I. For fill soils placed above existing grade, these are anticipated to be compacted sand fill with the parameters presented in Table 5-1.

Table 5-1: Design Parameters for Soil Fill

Soil Model	Cohesion/ Adhesion (psf)	Friction Angle (ϕ)	Total Unit Weight (pcf)	k (pci)	E_{50}
Sand	-	34°	120	125	-

Notes: k = Soil Modulus Parameter. E_{50} = Soil Strain Parameter

The wall designer should also consider variations in hydrostatic levels in the design.

5.2.2 *General Design and Construction Considerations for Sheet Pile Walls*

Based on the information provided, the new wall design will have a continuous sheet pile deadman anchor with tie rods. The soil parameters referenced above can be used for design of the anchor wall. The tie rods are shown at El. +1.80 feet at the king pile wall with the top of the anchor pile at El. +4.50 feet.

Installation of the king piles and intermediate sheets may be difficult given the very hard clay and weathered limestone encountered starting at about elevation -40 feet at the project site. Project design requires significant penetration into hard soils and limestone. Installation of the sheets by vibratory methods alone may be difficult. The Contractor should be made aware that these hard materials will be encountered and that special equipment, predrilling, or other similar forms of penetration procedures such as excavation and backfilling, punching, spudding, etc. will be needed to facilitate sheet pile installation.

If the sheets are stiff enough, they could be impact driven. However, this method of installation likely would increase the potential for the sheets to become damaged and out of alignment, possibly impacting adjacent sheets or king piles due to interlock damage. Predrilling should be considered for sheetpile installation. If predrilling is not performed and the sheets reach refusal above the design elevation, sheet removal and additional penetration aids would be needed to install the sheets without damage. Additional predrilling may be needed depending upon the final required penetration. It may also be necessary to post-grout the tips of the sheets to restore lateral stability based on the method of installation.

It is possible that the pipe king pile section could be driven to the required tip elevation, but this will not be known until the test pile program or production piles are installed. Predrilling may be needed but since these elements are stiffer, it may be possible to impact drive them to the required penetration. A foundation drill should be planned for since a typical pile auger will not be able to drill the hard clay and limestone encountered. Also, a larger than normal pile hammer will be needed to reach the required penetration even though there is not a significant axial capacity requirement for these king piles.

RECEIVED
APR 0 9 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Structural fill and backfill materials placed within the berth area should consist of cohesionless sandy soils containing no more than 12 percent fines (material passing the No. 200 sieve) by dry weight (Unified Soil Classification of SP or SP-SM). The soil should be free of organics, deleterious matter, and elongated or flat pieces susceptible to degradation. It was also assumed that the fill will be placed in the wet. Placement of soil underwater will result in very low densities. Therefore, some form of densification will be needed. A robust vibro-compaction/vibro-replacement program designed by a specialty contractor is recommended to densify the backfill soils. However, consideration of possible damage of the new king pile wall and anchors, nearby structures, utilities and other critical features must be considered. It should be noted that prior to filling and sheet installation, any existing shore protection materials/debris (steel, concrete, etc.) should be removed from the wall alignment specifically and from within the reclamation area in general.

5.3 Driven Pile Recommendations

5.3.1 General

Installation of piles to their required tip elevations may be difficult given the very hard clay and weathered limestone encountered at the site. The Contractor should be made aware that this hard material will be encountered and that large pile hammers, special equipment and/or predrilling (or other similar forms of penetration procedures such as excavation and backfilling, punching, spudding, etc.) will be needed to facilitate pile installation. It is possible that the pile sections could be driven to the required tip elevation, but this will not be known until the test pile program or production piles are installed. For predrilling, a foundation drill should be planned for since a typical pile auger will not be able to drill the very hard clay and hard limestone encountered. Also, a pile hammer larger than that indicated by the required axial bearing will be needed to reach the required penetration.

5.3.2 Axial Pile Analysis

As requested, we have evaluated individual 42-inch diameter open-ended steel pipe piles for high wind bollard support. Axial pile capacity analyses were performed using the soils data from Boring B-3 located near the high wind bollard with the computer program SPT-97. The analyses assumed a fully embedded pile with a bollard located above the highwater line. A plot of ultimate compressive and ultimate tension axial pile capacity with elevation for an individual 42-inch diameter open-ended steel pipe pile with a wall thickness of ½ inch and is presented on Figure 3 in Appendix I. A factor of safety of at least 2 should be used to establish an allowable axial compressive capacity and a factor of safety of at least 3 should be used to establish an allowable axial tension capacity assuming dynamic testing of at least 10% of the production piles is to be performed. We understand that one high wind bollard will be constructed with a group of four piles, and one PDA test is specified. As stated above, predrilling or other methods may be needed to achieve the required penetration. For steel pipe piles, the predrill diameter should be less than the pile diameter to limit the reduction in skin friction over the predrilled zone. The pipe piles may reach driving refusal and obtain the required axial compressive capacity above the elevations shown on the plot but must penetrate to at least the minimum tip elevation of -36 ft elevation. Shallow hard rock formations may allow full development of the pile axial compression capacity, but skin friction/tension can be significantly limited. In that case, pile tension capacity or lateral resistance will be the governing criteria.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

An efficiency factor of 1.0 accounting for capacity reductions caused by group effects should be used for center-to-center pile spacings of three pile diameters or more. A center-to-center spacing of three pile diameters is the minimum recommended for axial capacity. The structural capacity of the piles has not been considered in our analysis and must be evaluated by the project structural engineer.

Based on our experience with similar projects, hydraulic, air, or diesel pile hammers should be suitable for pile installation.

5.3.3 Lateral Pile Information

Soil/rock parameters were estimated for each boring (B-1 to B-3 and M-1 to M-3) and are presented in Appendix I.

5.4 Ground Improvement Options

Ground improvement is recommended to densify the very loose to loose existing sands and the fill placed below the water surface and transfer a portion of the fill and operational loads to the lower limestone. Because the ground improvement would be performed prior to completion of fill placement, the ground improvement would need to be designed to support both fill and operational loads. It is our professional opinion that it is necessary to treat soils beneath the entire berth footprint (under all paved areas). Additionally, the use of ground improvement will reduce the magnitude of differential settlement across the berth from the berth face to the landside terminus.

Although other options are available, we recommend vibrocompaction for the ground improvement at the site.

Vibrocompaction is an applicable ground modification method that can effectively reduce the settlement due to the loose sand that will be placed at the site. Vibro-compaction is a densification method commonly used in marine reclamation. It consists of a specially designed vibrator (or vibroflot) that penetrates through the ground with a combination of self-weight, vibrations, and air or water jets. The vibrator is typically suspended from a crane. Once the probe has reached the desired depth, clean sand backfill is introduced in lifts around the annular space of the vibrator. Depending upon the nature of the sand fill used in the reclamation, stone backfill may be necessary to achieve the required compaction. Because the contractor is responsible for supplying the fill for the reclamation, they should also be required to provide stone, if necessary, as part of the vibrocompaction. Each lift is re-penetrated until the desired compaction is achieved. This re-penetration and the vibration of the probe compacts the surrounding soil. The process is completed up to ground level.

For the 1,000 psf design surface load, vibrocompaction should target a density measured by SPT N-values of an average of 25 blows per foot, with no single value falling below 20. This densification specification should apply to the sand compacted via vibrocompaction below a depth of 5-ft. Surface compaction with a heavy vibratory roller will be necessary following vibrocompaction.

Regardless of the densification system chosen, it should be engineered and designed by the specialty contractor to achieve the desired performance (i.e., settlement control) under both static and operational loadings (including the harbor crane).

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

5.5 Recommendations for Site Development

As discussed above, additional site preparation will be needed to develop the site and achieve satisfactory performance and design life. The following is our anticipated construction process (highly simplified):

1. Remove debris (steel, concrete, rubble, etc.) and organics (grass, brush, etc.) from within the structure and reclamation footprint.
2. Install bulkhead piles.
3. Place structural fill from the existing ground surface elevation until a suitable working equipment platform can be constructed (likely 2 to 3 feet above the water level). It may be necessary to place a gravel working platform for the vibrocompaction equipment.
4. Densification via vibrocompaction as designed by the specialty contractor.
5. Place clean sand fill in compacted lifts to the design elevation.
6. Install any required utilities.
7. Complete site paving.

If it is necessary to place the anchor piles and tie rods prior to vibrocompaction, this may impact the layout of the vibro points and the specialty contractor should be made aware of this prior to them completing densification. Settlement of the reclamation backfill and impact upon the tie rods must be considered.

6.0 Site Preparation Recommendations

6.1 Stripping, Grubbing, and Demolition

Site preparation should begin with the removal of all unsuitable surface materials. This will include stripping, clearing, and grubbing all vegetation and undercutting any unsuitable materials (steel, concrete, debris, etc.) from proposed construction areas. As a minimum, it is recommended that the clearing operations extend at least 10 feet beyond the perimeter of development areas. Strippings, debris, and organic soils should be disposed of in accordance with the owner's instructions.

Debris, stumps, taproots, and roots in a dense state should be completely removed and voids created should be cleaned and backfilled with well-compacted structural fill as defined in Section 6.4. Holes larger than 3 feet in diameter, resulting from the removal of any object or material, should be ramped to allow compaction of the bottom and sides with mechanical equipment prior to filling. Provisions should then be made to remove or relocate any interfering utility lines within the construction area to appropriate locations. In this regard, it should be noted that if abandoned underground pipes are not properly removed or plugged, they may serve as conduits for subsurface erosion, which may subsequently result in excessive settlements.

In conjunction with backfilling operations, it may be necessary to establish positive temporary groundwater and surface water control measures to improve construction trafficability and facilitate drying of the surface soils to allow acceptable compaction. The groundwater level should be lowered by at least 2 feet beneath the surface of any excavations made during construction and at least 2 feet below the surface of any vibratory surface compaction operations.

RECEIVED
APR 0 9 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

6.2 Evaluation of Exposed Subgrade Soils

Following stripping and grubbing operations, the exposed subgrade soils in the berth area should be evaluated by the geotechnical engineer by proofrolling with a heavily loaded, tandem-axle dump truck or similar rubber-tired equipment. Areas of unstable soils should be undercut and backfilled with compacted structural fill, as recommended by the geotechnical engineer, or scarified and densified in place (after adjusting moisture content to near optimum). In general, the extent and depth of any undercutting will depend upon final grades, weather conditions during construction, the aggressiveness of the earthwork schedule, site drainage, and the grading contractor's experience, equipment, means, and methods. Given the loose upper soils and clean sand fill specified, this step should not be omitted.

Thorough subgrade evaluations and proofrolling will be very important, and some undercutting and replacement of existing in situ soils should be anticipated. If grading takes place in wet conditions, undercutting soils at this site should be expected.

6.3 Surface Soil Compaction

After stripping and proofrolling and prior to fill placement, exposed soils should be uniformly compacted to at least 95 percent of the modified Proctor (ASTM D1557) maximum dry density to a depth of at least 12 inches below the compacted surface.

During the compaction process, the moisture content of the soils may need to be adjusted to facilitate proper compaction. If additional moisture is needed to achieve compaction, then water should be applied evenly and in such a way that it will not cause erosion or removal of subgrade soils. If applied water does not penetrate sufficiently deep into natural soils, it will be necessary to disk or otherwise break up the soils before and during the application of water. If the moisture content is too high, it may be necessary to disk the soil and allow it to dry prior to compaction. A moisture content within two percent of the optimum indicated by the modified Proctor test is recommended prior to compaction of the natural ground and structural fill.

Vibratory compaction equipment should not be allowed to operate within 75 feet of any existing buildings or critical underground utilities. Within this range, compaction of the exposed subgrade soils and any structural fill should be conducted with lightweight walk-behind vibratory equipment or with rollers in static mode.

6.4 Structural Fill/Backfill

Structural fill/backfill materials should consist of cohesionless sandy soil containing no more than 12 percent fines (material passing the No. 200 sieve) by dry weight (Unified Soil Classification of SP or SP-SM). The soil should be relatively free of organics (less than 5%), deleterious matter, and elongated or flat particles susceptible to degradation.

Structural fill should be placed and compacted in loose lift thicknesses appropriate for the compaction equipment being used. For drum rollers at least 30 inches in diameter, the maximum loose lift thickness should be no greater than 12 inches in thickness. For smaller, walk-behind compaction equipment, the lift thickness should be limited to 6 inches. All material being used as fill should be tested and approved by the geotechnical engineer before

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

placement. Structural fill/backfill should be compacted until densities of at least 95 percent of the modified Proctor (ASTM D1557) maximum dry density are uniformly obtained in the lift being compacted.

Compaction immediately adjacent to walls (retaining or abutment) should also be limited to lighter equipment but should achieve the same degree of compaction.

6.5 Subgrade Repair and Improvement Methods

The portions of the exposed subgrade which consist of clayey soils can deteriorate when exposed to construction activity and environmental changes such as erosion, softening from ponded rainwater, and rutting from construction equipment. We recommend the exposed subgrade surfaces that have deteriorated be properly repaired by scarifying and recompacting immediately prior to construction. If this must be performed during wet weather conditions, it would be worthwhile to consider undercutting the deteriorated soil and replacing it with compacted structural fill or, at the discretion of the geotechnical engineer, with compacted crushed stone.

6.6 Excavations

Based on the results of the borings and the anticipated grades, excavations are expected to extend through very loose to medium dense clayey sands (SC) and silty sands (SM). All excavations should be sloped or shored in accordance with local, state, and federal regulations, including OSHA (29CFR Part 1926) excavation trench safety standards. The contractor is solely responsible for site safety. This information is provided only as a service and under no circumstances should S&ME be assumed to be responsible for construction site safety.

Our experience is that buried debris can be encountered in previously developed sites and the contractor should be made aware of this possibility.

Excavations and below-grade construction should be conducted "in the dry." Prior to excavation, the groundwater level, if encountered, should be lowered and maintained at least two feet below the bottom of the excavation to limit the potential for instability. The contractor is responsible for verifying groundwater levels during construction. The contractor is also responsible for the design, installation, and maintenance of a properly functioning dewatering system. The design of the dewatering system should be in conjunction with the design of any excavation support system.

Exposed subgrade soils at the bottoms of excavations should be evaluated by the geotechnical engineer or their designated representative prior to backfilling and prior to steel and concrete placement. If unsuitable soils or soils that cannot be readily moisture conditioned and compacted are encountered at the bottoms of excavations, then these soils should be over-excavated at least two feet beneath the bottom of the foundation and replaced with compacted structural fill.

7.0 Pavement Design Considerations

One of the most critical influences on the pavement performance in Florida is the relationship between the pavement subgrade and the seasonal high groundwater level. Many roadways and parking areas have been destroyed as a result of deterioration of the base and the base/surface course bond. Perched and/or trapped

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

water will likely occur atop the clayey sands and silty sands encountered at the site after periods of heavy or prolonged rainfall. If clayey soils are encountered within 2 feet of the bottom of the pavement base course, this material should be undercut and replaced with compacted structural fill. It will be necessary to provide a positive drainage outlet (such as underdrains) depending upon site grades such that water does perch under the pavement base.

8.0 Guidelines for Construction Observation and Testing

Prior to initiating compaction operations, we recommend that representative samples of the structural fill material to be used and the exposed in-place soils are collected and tested to determine their compaction and classification characteristics. The maximum dry density, optimum moisture content, gradation, and plasticity characteristics should be determined. These tests are needed for compaction quality control of the structural fill and existing soils and to determine if the fill material is acceptable.

An engineering technician, under the direction of a geotechnical engineer, should monitor all ground improvement, pile installation, excavations, undercutting and removal of debris, filling, backfill placement and compaction, and proofrolling operations. A representative number of in-place field density tests should be performed in the compacted existing soils and in each lift of structural fill or backfill to confirm that the required degree of compaction has been obtained. In-place density tests should also be performed at representative locations in the bearing level soils in the footing excavation bottoms. Field density tests should be performed within fill areas at a frequency of not less than one (1) test per 2,500 square feet per lift in the berth areas, or at a minimum of two (2) test locations per lift, whichever is greater. For compacted fill placed beneath pavements, field density tests should be performed at a frequency of not less than one (1) test per 5,000 square feet per lift, or at a minimum of two (2) tests per lift, whichever is greater. In addition, we recommend that at least one (1) density test be performed for every 200 linear feet of utility trenches.

9.0 Limitations

This report has been prepared in accordance with generally accepted geotechnical engineering practice for specific application to this project. The conclusions and recommendations contained in this report are based upon applicable standards of our practice in this geographic area at the time this report was prepared. No other representation or warranty either express or implied, is made.

We relied on project information given to us to develop our conclusions and recommendations. If the project information described in this report is not accurate, or if it changes during project development, we should be notified of the changes so that we can modify our recommendations based on this additional information if necessary.

Our conclusions and recommendations are based on limited data from a field exploration program. Subsurface conditions can vary widely between explored areas. Some variations may not become evident until construction. If conditions are encountered which appear different than those described in our report, we should be notified. This report should not be construed to represent subsurface conditions for the entire site. The samples that were

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

not altered by laboratory testing will be retained for 60 days from the date of this report and then will be discarded.

Unless specifically noted otherwise, our field exploration program did not include an assessment of regulatory compliance, environmental conditions or pollutants or presence of any biological materials (mold, fungi, and bacteria). If there is a concern about these items, other studies should be carried out. S&ME can provide a proposal and perform these services if requested. S&ME should be provided with the opportunity to review the final plans and specifications to confirm that earthwork, foundation, and other recommendations are properly interpreted and implemented. The recommendations in this report are contingent on S&ME's review of final plans and specifications followed by observation and monitoring of earthwork and foundation construction activities.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

SUPPLEMENTAL FORM FOR PROJECTS WITH PROPOSED FILL PLACEMENT IN SUBMERGED LANDS

Provide the following information for the project fill activities proposed: Port Tampa Bay – Berth 301

- Attach transportation route map from filling material source site to the project site location, as applicable. Provide method of transport details and transportation and access routes.

- **All Projects:** Indicate on scaled project site plan drawings: **(Please see Attachment 2 – Project Permit Plans)**
  - Size (length x width x depth) and volume of material to fill area (cubic yards) with pre- and post-construction slopes / grade elevations.
  - Location and type of turbidity and/or erosion control measures that will be used throughout the construction process to prevent erosion or turbid water from being discharged offsite or into wetlands or surface waters of the County.
  - Fill sediment material temporary stockpile or equipment storage area location & method for placing material.
  - Indicate presence of natural resources in the project area, indicate buffer of construction limits to natural resources to demonstrate avoidance or impacts to resources. **(Please see Attachment 3 – Project Narrative).**
  - Indicate existing and/or proposed structures (i.e., seawall, dock, pilings, etc.) within and/or adjacent to the project area on plan drawings and any protection buffer proposed to structures, as applicable. **Please note that a minimum 10 ft. buffer from natural resources or structures is typically required.*

Ensure that all fill material to be used for projects must be tested and fall under the following criteria: **Acknowledged**

- ✓ All materials tested for heavy metals and remain within the 95% prediction limits or be subjected to elutriate testing and the results be below Class III Marine Water Quality Standards. Provide any other fill source material toxicity analyses, as applicable to the project.
- ✓ Dry weight Polycyclic Aromatic Hydrocarbons (PAH) analysis will not exceed the Probable Effects Level (PEL) and if exceeding the Total Exposure Limit (TEL), the elutriate analysis will be below Class III Marine Water Quality Standards.
- ✓ Please provide the compatibility analysis of the fill material with respect to the native sediment at the project site to ensure that the sediment to be used for the project is appropriate. The analysis should include all relevant computations, particle size sieve analysis, percent of organics, etc.

- Provide separate Project Narrative attachment explaining construction methodology and any other details for the proposed placement of filling for this project, as appropriate. **(Please see Attachment 3 – Project Narrative).**

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

SUPPLEMENTAL FORM FOR PROJECTS WITH PROPOSED FILL PLACEMENT IN SUBMERGED LANDS

1. Brief Description of Proposed Filling of Submerged Lands: **Construction of Berth 301 - (Please see Attachment 3 – Project Narrative).**

2. Proposed Fill Area (Length x Width): **38,000 sf in MHW - 53,200 sf Total** Square Footage

3. Proposed Fill Volume of Material: **27,050 Cubic Yards Below MHWL**

4. Contractor company name, company address, contact person name(s), 24 hrs/7 days phone number(s) and email address(es) to be contacted in the event of an emergency (i.e. conveyance pipeline leak, navigation hazard, or other construction related issues):
   TBD

5. Choose **ALL** that apply to project:
   - ☒ In-Water construction equipment is to be used / Floating Barge
   - ☐ Upland access equipment is to be used / Upland Material Staging Site.
     ***Must provide upland staging site Property Owner's Authorization, if different from Applicant.** N/A*

   Equipment and other details: **Barge(s) in deepwater**

6. Method of Filling Submerged Lands: ☐ Clam Shell Bucket ☐ Hydraulic ☒ Other: Fill from land-based equipment

7. Presence of any ecological and/or natural resources (i.e., seagrasses, live hard bottom, oyster bar/bed, mangroves, etc.) in or adjacent to the project area? ☐ Yes (Show on Drawings with buffer) ☒ No
   Project area is dredged deepwater Port Berth, and noted resources are not anticipated. (See Attachment 3 - Project Narrative)

8. Source of the fill material to be used for this project (address/name of site, project name, associated permit number, etc.): **Fill material will be "Clean Structural Material" source to be determined by contractor.**

9. Describe fill source material transportation & access route to project site (if applicable & attach map):
   Fill material location to be determined by the contractor. Material to be trucked to site, which will enter through the main gate at Port Redwing and then travel to the site.

10. Hours of In-Water Construction Operations: Dawn to Dusk / Days: 6 or 7

☒ Natural Resource Survey /Environmental Assessment Report is attached. **(Please see Attachment 7 – draft NEPA EA by HDR Jan 2024)** *Indicate Company Name that prepared the survey/report and date of certified field survey on the report.*

☐ Bathymetry Survey indicating existing and proposed water depths / bottom grade elevations for the project area is attached. *Indicate Company that prepared survey/report and date of certified field survey.*

☐ Other Sediment Analysis/Geotechnical or Environmental Assessment Report(s) associated with this project is attached.

25-013

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #2 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

CERTIFIED MAIL
Return Receipt Requested

PORT TAMPA BAY (PTB)
STANDARD WORK PERMIT APPLICATION NOTICE

To: **1500-Foot Radius Riparian Property Owners and Interested Parties / Agencies**

Date: August 1, 2025

Reference: PTB Standard Work Permit Application No. 25-013

Applicant: Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.

Proposed Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application in review for permitting to perform work in waters under the jurisdiction of this Authority, as summarized above, pursuant to Section 25, Chapter 95-488 Laws of Florida. Enclosed is a certified mail copy of the proposal and drawings for your review / information.

Within 30 days of receipt of this notice, please review this application. Please provide no objection comment, any questions, any other comments, or concerns you may have regarding the permitting of this project, in writing, to our office referencing the application number (25-013). **Please submit any written remarks within the thirty (30) day commenting period from date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com.**

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend. Please contact me at 813-905-5033 or jjulien@tampaport.com if you have any questions.

Sincerely,

Jackelyn Julien

Jackie Julien
Project Manager II, Port Tampa Bay – Environmental Department

CC: conservationplanningservices@myfwc.com, FW4FLESREGS@fws.GOV; SiteFile@dos.state.fl.us tmantegna@tampaairport.com; nmfs.ser.esa.consultation@noaa.gov; wren@tbrpc.org; alana@tbrpc.org; jeff.liechty@audubon.org; pclark@tampabaywatch.org; ajalcoz@tecoenergy.com; skroh@tecoenergy.com; nfletcher@tecoenergy.com; david.nicholas@dot.state.fl.us; todd.croft@dot.state.fl.us; wwmtampa@uscg.mil; a.eugene.stratton@uscg.mil; anthony.r.sciullo@uscg.mil; decaturs@hillsboroughcounty.org; grinaldia@hcfl.gov; websterl@hcfl.gov; rockymilburn@tampabaysierraclub.org; adubois@logistec.com; rcomeaux@gc.logistec.com; pharris@gc.logistec.com; a.eletreby@sescocement.com; a.samir@sescocement.com; barnwellm@hillsboroughcounty.org; powens@appliedfl.com. Refer also to Distribution List.

Enclosure(s)

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

August 1, 2025

Certified Mail

Wetland Management Division
Environmental Protection Commission of Hillsborough County
3629 Queen Palm Drive
Tampa, FL 33619
(Via Email: gilem@epchc.org)

Reference: **PTB Standard Work Permit Application No. 25-013**

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Proposed Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 25-013 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please provide no objection comment, any questions, any other comments or concerns you may have regarding the permitting of this project, in writing, to our office referencing the application number (25-013). **Please submit any written remarks within the thirty (30) day commenting period from the date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com.**

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

The EPC's environmental review fee in the amount of $300.00 for this project was made via EPC's online payment portal on June 25, 2025, per Payment Receipt Confirmation ID No. 105678.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Project Manager II
Port Tampa Bay – Environmental Department

CC: tampareg@usace.army.mil; SW_ERP@dep.state.fl.us; ERPAgencyCoordination@swfwmd.state.fl.us

Enclosure(s)

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

August 1, 2025

Certified Mail

Mr. Diego Guerra
Hillsborough-City Planning Commission
County Center, 18th Floor
PO Box 1110
Tampa, FL 33601
(Via Email: guerrad@plancom.org / colleges@plancom.org)

Reference: **Port Tampa Bay Standard Work Permit Application No. 25-013**

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Proposed Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 25-013 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please provide no objection comment, any questions, any other comments or concerns you may have regarding the permitting of this project, in writing, to our office referencing the application number (25-013). **Please submit any written remarks within the thirty (30) day commenting period from the date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com.**

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

The Planning Commission's review fee in the amount of $1,139.00 for the for this project was made via online credit card payment on June 25, 2025, per Purchase Receipt ID No. 135561626.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Project Manager II
Port Tampa Bay – Environmental Department

Enclosure(s)

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

August 1, 2025

Certified Mail

Hillsborough County Development Services Dept.
Attn: Rick Cabrera, Manager, Engineering Review
P.O. Box 1110
Tampa, FL 33601-1110
(Via Email: Cabrerar@hcflgov.net)

Hillsborough County Public Works Dept.
Attn: James Hudock, Director
County Center, 22nd Floor
601 E. Kennedy Blvd.
Tampa, Florida 33602
(Via Email: Utilitycoordination@hcflgov.net)

Reference: **Port Tampa Bay Standard Work Permit Application No. 25-013**

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Proposed Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 25-013 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please provide no objection comment, any questions, any other comments or concerns you may have regarding the permitting of this project, in writing, to our office referencing the application number (25-013). **Please submit any written remarks within the thirty (30) day commenting period from the date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com.**

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend. If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Project Manager II, Port Tampa Bay – Environmental Department

Cc: naturalresources@hcflgov.net; websterl@hillsboroughcounty.org cumbers@hillsboroughcounty.org; marquezj@hillsboroughcounty.org; gaoj@hillsboroughcounty.org; Rp-Development@hillsboroughcounty.org

Enclosures

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Memo

PORT TAMPA BAY.
1101 Channelside Drive
Tampa, Florida 33602

To: Craig Roberts, PTB Real Estate Dept. (croberts@tampaport.com)
Shawn Brown, PTB Operations (sbrown@tampaport.com)

From: Jackie Julien, PTB Environmental Department

Date: August 1, 2025

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

PTB Environmental Department has received a marine construction Standard Work Permit application assigned Standard Work Permit project No. 25-013 from Applied Sciences Consulting, Inc. on behalf of PTB Engineering Department ("Applicant") for proposed construction of new Berth 301 Wharf, as referenced above, for the project site that is a Leased industrial upland parcel along Big Bend Channel inner east/west end of the shipping channel.

- The subject Standard Work Permit Application (SWPA #25-013) is being reviewed for issuance of a PTB marine construction permit pursuant to Section 25, Chapter 95-488 Laws of Florida. A copy of the SWP application and project drawing(s), is attached for your review.

- Please provide written comments for this marine construction project regarding the issuance of a permit and advise PTB Environmental Dept. staff regarding any associated subject site restrictions, lease, easement, or other requirements, as appropriate to the project.

☐ Site with Existing Lease: _____

- (PTB RE) Location of waterbody is determined to be sovereign submerged lands: ☐ Yes / ☐ No

- (PTB RE) Ownership/Control of submerged lands for project area is determined to be: (List ALL that apply) ☐ PTB/TPA ☐ City of Tampa ☐ Other: _____

Date / Comments / Stipulations: _____

_____

Please provide comments or objections to the issuance of a permit, in writing, to the PTB Environmental Department within thirty (30) days of receipt of this memo. If you have any questions regarding this application, please contact me at 813-905-5033 or jjulien@tampaport.com and bbaity@tamaport.com.

Copy: ewashington@tampaport.com; pblair@tampaport.com; mjseifert@tampaport.com; ccooley@tampaport.com; ckurial@tampaport.com; PTB File (25-013)

Enclosures

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

August 1, 2025

Certified Mail

Southwest Florida Water Management District (SWFWMD)
RE: Fred & Idah Schultz Nature Preserve
2379 Broad St.
Brooksville, FL 34604

Reference: **Port Tampa Bay Standard Work Permit Application No. 25-013**

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Proposed Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

Dear Adjacent Property Owner(s):

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 25-013 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please provide no objection comment, any questions, any other comments or concerns you may have regarding the permitting of this project, in writing, to our office referencing the application number (25-013). **Please submit any written remarks within the thirty (30) day commenting period from the date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com.**

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Project Manager II
Port Tampa Bay – Environmental Department

CC: mike.singer@swfwmd.state.fl.us; BarnwellM@hillsboroughcounty.org

Enclosures

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

August 1, 2025

Certified Mail

Mosaic Fertilizer, LLC
Land Use Permitting, Land & Resource Mgmt.
Attn: Shelley Thornton, Director
(Via Email: shelley.thornton@mosaicco.com)

Reference: **Port Tampa Bay Standard Work Permit Application No. 25-013**

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Proposed Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

Dear Adjacent Property Owner(s):

Tampa Port Authority, d/b/a Port Tampa Bay (PTB), has received a marine construction application assigned Standard Work Permit project No. 25-013 to perform work in waters under the jurisdiction of this Authority. Enclosed is a certified mail copy of the marine construction proposal and drawing(s) for your review and comments, pursuant to Section 25, Chapter 95-488 Laws of Florida.

Please provide no objection comment, any questions, any other comments or concerns you may have regarding the permitting of this project, in writing, to our office referencing the application number (25-013). **Please submit any written remarks within the thirty (30) day commenting period from the date of this notice letter to the Port Tampa Bay Environmental Dept. at 1101 Channelside Dr., 4th Floor, Tampa, FL 33602 or via email at bbaity@tampaport.com.**

Please note, this marine construction application is being reviewed by other agencies and interested parties and a public hearing will be scheduled upon receipt of comments and/or recommendations. You will be provided a separate 20-day notice of the public hearing that you may wish to attend.

If you have any questions, please contact me at 813-905-5033 or jjulien@tampaport.com.

Sincerely,

Jackelyn Julien

Jackie Julien
Project Manager II
Port Tampa Bay – Environmental Department

Cc: George.morrison@mosaicco.com; Brady.breaux@mosaicco.com

Enclosures

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY
ENVIRONMENTAL DEPARTMENT
1101 Channelside Dr. Tampa, FL 33602
Ph: (813) 905-5031 · Fax: (813) 905-5050
www.tampaport.com

STANDARD WORK PERMIT APPLICATION TO PERFORM WORK IN WATERS OF THE HILLSBOROUGH COUNTY PORT DISTRICT

For Official Use Only: Application# 25 - 013 | Date Received:

☒ NEW ☐ PERMIT REVISION

SECTION I

1. STANDARD WORK PERMIT APPLICATION - Brief Project Description:

PTB Berth 301 is a new Berth proposed between Berths 300 and 302 at Port Redwing, Gibsonton FL. The footprint of the Berth 301 area was previously permitted and mitigated by USACE and FDEP. (Attachment 3 Project Narrative).

2. APPLICANT INFORMATION

First Name: Patrick Last Name: Blair, PE
Company Name/Title: Port Tampa Bay/Vice President of Engineering
Mailing Address: 1101 Channelside Drive
City: Tampa State: FL Zip Code: 33602
Telephone Number: (813) 905-5001
Email Address: PBlair@TampaPort.com

3. PROPERTY OWNER(S) INFORMATION (IF DIFFERENT OR IN ADDITION TO APPLICANT)

☐ *Check box if property owner is also a co-applicant*

First Name: Last Name:
Company Name/Title:
Mailing Address:
City: State: Zip Code:
Telephone Number:
Email Address:

4. CO-APPLICANT INFORMATION (IF DIFFERENT OR IN ADDITION TO APPLICANT AND OWNER)

First Name: Last Name:
Company Name/Title:
Mailing Address:
City: State: Zip Code:
Telephone Number:
Email Address:

5. AUTHORIZED AGENT INFORMATION

First Name: Elie Last Name: Arai, PE
Company Name/Title: Applied Sciences Consulting Inc./Principal 3 Pete Owens, M.E., P.E.
Mailing Address: 1000 N. Ashley Drive, Suite 500
City: Tampa State: FL Zip Code: 33602
Telephone Number: (813) 228-0900 / 813-417-6623
Email Address: earai@appliedfl.com and permitting@appliedfl.com 3 powens@appliedfl.com

6. CONTRACTOR INFORMATION

First Name: TBD Last Name:
Company Name/Title:
Mailing Address:
City: State: Zip Code:
Telephone Number:
Email Address:

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SECTION II

1. **LOCATION OF PROPOSED PROJECT**

Site Street Address: 6059 Diana Toledo Almeida Rd.
City: Gibsonton State: FL Zip Code: 33534
Folio Number(s): Parcel ID - U-03-31-19-ZZZ-000001-73570.0 / Part of # 051449-0000
Section: 34 Township: 31 S. Range: 19 E
Name of Water Body at Project: Port Redwing -Tampa Bay

2. **PROPOSED USE**

☐ Private Single-Family Dwelling ☐ Private Multi-Family Dwelling (Condominium, Apartment, etc.)
☐ Commercial ☒ Other (explain): Industrial/Port Use

3. **OWNER OF SUBMERGED LANDS:** Port Tampa Bay

☐ ***Leased Port Property or Port Easement*** *(Check box if applicable and attach information.)*

4. **PREVIOUS TAMPA PORT AUTHORITY PERMITS ISSUED AT THIS LOCATION:**

Permit Number(s): Unknown Date: _____

5. **PROJECT DESCRIPTION**

NOTE: Features and dimensions must be carefully shown on the required application drawings. Please review the attached guidelines provided to ensure that the drawings which you have prepared are acceptable.

A. STRUCTURES:

☒ NEW WORK ☐ MAINTENANCE ☐ ADDITION

1) DOCK, OBSERVATION DECK, PIER, OR ELEVATED BOARDWALK

a. Length of Shoreline: ~~502.88~~ 502.88 Linear Ft. (project area)
b. Number of Proposed Docks: 1 No. of Boat Slips/Lifts: ~~N/A~~ 1 / _____
c. Length from MHW to Waterward Edge of Structure: ~~61~~ 101 Ft.
d. Width of Structure: ~~Avg. 100~~ Avg. 100 Ft. Mooring Water Depth at M/OLW: ~~-45.0~~ -45.0 MLLW Ft.
e. Existing Structure Area: N/A Sq. Ft.
f. Proposed Structure Area: 53,200 Sq. Ft.
g. Overall Area of Facility: 67,954 Sq. Ft.

2) SEAWALLS, RIP-RAP, REVETMENTS OR OTHER SHORELINE STABILIZATION:

a. Length of Shoreline at Site: _____ Linear Ft.
b. Length of Work Proposed Along Shoreline: +/- 592 Linear Ft.
c. Seawall Vertical Height: +9.10 Ft.
d. Rip-Rap Slope: Horizontal Distance: _____ Ft.; Vertical Height: _____ Ft.
e. Type of Material: Steel Sheet Pile Bulkhead
f. Volume: _____ Cubic Ft. Below MHW/OHW

3) OTHER TYPE OF STRUCTURE: (Please Explain) Construction of one new high wind bollard. Landward of the MHW - (Please see Attachment 2 - Project Permit Plans and Attachment 3- Berth 301 Project Narrative)

For Utility Pipeline Projects: Refer to the Engineering Standards for Submerged Land Utility Crossing

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

B. DREDGING / EXCAVATION

☐ NEW WORK ☐ MAINTENANCE

1) DIMENSIONS OF AREAS TO BE DREDGED / EXCAVATED:

a. Length: _____ Ft. Width: _____ Ft.; Total Area: _____ Sq. Ft.

b. Depths: Existing _____ ; Proposed _____

c. Volume: Above MHW _____ ; Below MHW _____ ; Total _____ Cubic Ft.

d. Area: Above MHW _____ ; Below MHW _____ ; Total _____ Sq. Ft.

2) TYPE OF MATERIAL: _____

3) STORAGE OF MATERIAL: ☐ On-site Storage ☐ Off-site Disposal Site: _____

If material is to be taken off-site, describe the method of material storage, haul routes, and specify the location with an attached Affidavit of Authorization from the disposal site's property owner, as applicable to the project. Refer to the Dredge Checklist for additional guidance.

C. FILLING

1) VOLUME: Above MHW 11,820 cy ; Below MHW 27,050 cy ; Total 40,170 cy Cubic Ft.

2) AREA: Above MHW 15,200 sf ; Below MHW 38,000 sf ; Total 53,200 sf Sq. Ft.

3) CONTAINMENT: Seawall _____ Dikes _____ Other (explain): Bulkhead

4) TYPE OF MATERIAL: Clean Structural Fill

5) SOURCE OF MATERIAL: ☐ On-site ☐ Off-site: Contractor to determine

Refer to the Fill Checklist for material sampling requirements and other applicable information.

6. **WORK SCHEDULE:** To Begin Project On: _____ And Be Completed By: _____

REMARKS / COMMENTS FOR PROJECT:

Please see Attachment 3, The Berth 301 Project Narrative, which includes the Project Description, Project avoidance and minimization description, construction methodology and sequencing description, and the Project Public Interest Statement.

SECTION III

PROJECT SITE ADJACENT RIPARIAN PROPERTY OWNERS:
(Please include Name, Address, Telephone Number, and Email)

Tampa Port Authority
Owner Name(s)

Logistec Gulf Coast LLC
Company Name/ Title

1101 Channelside Dr. STE 400.
Mailing Address

Tampa, FL, 33602
City; State; Zip Code

(813)-905-5001/PBlair@TampaPort.com
Telephone Number/Email

Tampa Port Authority
Owner Name(s)

Logistec Gulf Coast LLC
Company Name/ Title

1101 Channelside Dr. STE 400.
Mailing Address

Tampa, FL, 33602
City; State; Zip Code

(813)-905-5001/PBlair@TampaPort.com
Telephone Number/Email

****Provide mailing labels (property owner(s) name and physical mailing address) for each riparian property located within a 1,500 foot radius of the project site, pursuant to Section 25(d) of the TPA Enabling Act, Chapter 95-488.***

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SECTION IV

AFFIDAVIT OF OWNERSHIP OR CONTROL of the property on which the proposed project is to be undertaken
I CERTIFY THAT: (**Must Check the Appropriate Box**)

☒ I am the record owner, lessee, or record easement holder of the property described below.

☐ I am not the record owner, lessee, or record easement holder of the property described below, but I will have the requisite property interest before undertaking the proposed project. (Please Explain in Remarks/Comments Section)

LEGAL DESCRIPTION OF PROJECT PROPERTY: (Use additional sheets, if necessary)
Please See Attachment 5 Berth 301 Project Area Description

Patrick Blair, PE
Print Name of Owner/Applicant

Signature of Owner/Applicant

Sworn to and subscribed before me at Hillsborough County, Florida
this 9 day of April 20 25

Notary Public State of Florida
Patricia M Villanti
My Commission HH 286736
Expires 7/12/2026

Patricia M. Villanti
Notary Public
7/12/2026
My Commission Expires

7. PUBLIC INTEREST STATEMENT

Accordingly, in the comment box provided below or attached narrative, describe how your proposed project is not contrary to the public interest based on the criteria outlined in Section II. D.1. of the Tampa Port Authority Submerged Lands Management Rules.

a. The decision to authorize the use of Jurisdictional Lands requires a determination that such use is not contrary to the public interest, except for lands within Aquatic Resource Protection Areas, in which case it must be determined that the use is in the public interest. In all cases it will be in the responsibility of the applicant to provide evidence as to the public interest impact of the proposed activity or use.

b. The public interest determination requires an evaluation of the probable impacts of the proposed activity on Jurisdictional Lands and the associated water body. All direct and indirect impacts related to the proposed activity as well as the cumulative effects of those impacts shall be taken into consideration. Relevant factors to be considered include: conservation, general environmental and natural resource concerns, wetlands values, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, aesthetics, economics, public health and safety, relative extent of the public need for the proposed use or activity, reasonable alternative locations and methods to accomplish the objective of the proposed use or activity, potential detrimental effects on the public uses to which the area is otherwise suited, the effect on cultural, scenic and recreational values, and the needs and welfare of the people.

COMMENT BOX:

Please see Attachment 3, the PTB Berth 301 Project Narrative, which includes the Project Description, Project avoidance and minimization description, construction methodology and sequencing description and the Berth 301 Project Public Interest Statement.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SECTION V

CERTIFICATION & AUTHORIZATION:

a. I authorize the agent listed in Section I to negotiate modifications or revisions, when necessary, and accept or assent to any stipulations on my behalf.

b. I understand I may have to provide any additional information/ data that may be necessary to provide reasonable assurance of evidence to show that the proposed project will comply with applicable water quality standards or other environmental standards both before construction and after the project is completed.

c. In addition, I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of making preliminary analyses of the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work, if a permit is granted.

d. Further, I hereby acknowledge the obligation and responsibility for obtaining all of the local, state and federal permits before commencement of any activity.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief such information is true, complete, and accurate and complete. I further certify that I possess the authority to undertake the proposed activity.

Signature of Owner/Applicant

4/9/25
Date

NOTE: **This application must be signed by the person who desires to undertake the proposed activity or by an authorized agent**. If an agent is applying on behalf of the applicant who is not the property owner, **attach proof of authorization from the property owner.**

PLEASE SUBMIT COMPLETED APPLICATION, REQUIRED DRAWINGS, AND FEE(S) TO:
TAMPA PORT AUTHORITY
ATTN: ENVIRONMENTAL DEPARTMENT
1101 CHANNELSIDE DR.
TAMPA, FL 33602

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

LEGAL DESCRIPTION AND SKETCH

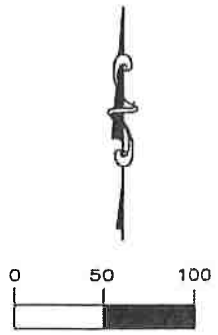
A PARCEL OF LAND LYING WITHIN SECTION 4, TOWNSHIP 31 SOUTH, RANGE 19 EAST, HILLSBOROUGH COUNTY, FLORIDA; BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 3, TOWNSHIP 31 SOUTH, RANGE 19 EAST; THENCE N 00°37'40" E ALONG THE EAST LINE OF SAID SECTION, A DISTANCE OF 214.07 FEET; THENCE N 89°22'20" W DEPARTING SAID EAST LINE A DISTANCE OF 6847.22 FEET TO THE POINT OF BEGINNING; THENCE N 89°54'44" W, A DISTANCE OF 495.10 FEET; THENCE N 00°30'06" W, A DISTANCE OF 94.37 FEET; THENCE N 89°55'53" E, A DISTANCE OF 47.88 FEET; THENCE N 81°45'14" E, A DISTANCE OF 129.20 FEET; THENCE N 89°55'54" E, A DISTANCE OF 319.18 FEET; THENCE S 00°30'06" E, A DISTANCE OF 114.10 FEET TO THE POINT OF BEGINNING.

CONTAINING A DESCRIBED AREA OF 54,097 SQUARE FEET MORE OR LESS.

ABBREVIATIONS

PID	PARCEL IDENTIFICATION
SF ±	SQUARE FEET MORE OR LESS
NW	NORTHWEST
SW	SOUTHWEST
ORB	OFFICIAL RECORDS BOOK
PG	PAGE
R/W	RIGHT OF WAY



L1	N 00°37'40" E	214.07'
L2	N 00°30'06" W	94.37'
L3	N 89°55'53" E	47.88'
L4	N 81°45'14" E	129.20'
L5	S 00°30'06" E	114.10'

EAST 1/4 CORNER OF SECTION
03-31-19
CCR# 114710

EAST LINE OF SECTION
3-31-19

N 00°37'40" E 2682.45'

PID 73570
"BERTH 301"

L3 L4 N 89°55'54" W 319.18'

L2 L5

N 89°54'44" W 495.10'

N 89°22'20" W 6847.22'

POINT OF BEGINNING

L1

POINT OF COMMENCEMENT
SE CORNER OF SECTION
03-31-19
CCR# 114715

NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND RAISED SEAL OR DIGITAL SIGNATURE OF A PROFESSIONAL SURVEYOR AND MAPPER.

RUSSELL P. HYATT, PSM 5303

#25-013

NOTES

1. THIS DRAWING IS NOT A BOUNDARY SURVEY.
2. BEARINGS ARE BASED ON THE EAST LINE OF SECTION 03, TOWNSHIP 31 SOUTH, RANGE 19 EAST BEING N 00°37'40" E.

Hyatt Survey Services, Inc.
Geographic Data Specialists LB7203
2012 Lena Road Bradenton, Florida 34211
(941) 748-4693

PARCEL LEGAL AND SKETCH

HILLSBOROUGH COUNTY, FLORIDA	DRAWN SL	DATE APRIL 2025	SCALE 1" = 100'
SECTION 4 TOWNSHIP 31 S RANGE 19 E	CHECKED RH		PROJECT NO. 23-2877

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

#25-013

PORT TAMPA BAY

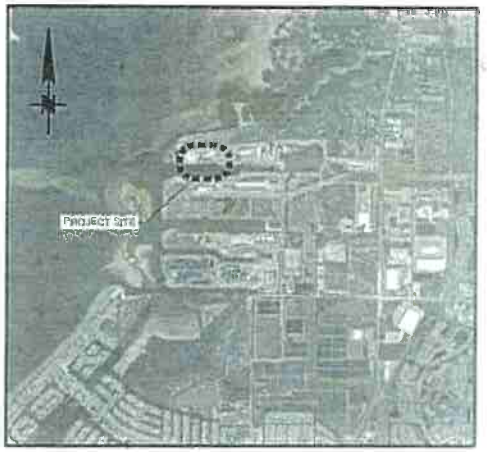
BERTH 301 WHARF



VICINITY MAP

PORT TAMPA BAY

PTB PROJECT NO. 23-00323



LOCATION MAP

PORT TAMPA BAY BOARD OF COMMISSIONERS

CHAD W. HARROD	CHAIRMAN
HUNG T. MAI	VICE CHAIRMAN
PATRICK H. ALLMAN	SECRETARY/TREASURER
MAYOR JANE CASTOR	COMMISSIONER
TED CONNER	COMMISSIONER
HONORABLE CHRISTINE MILLER	COMMISSIONER
SEAT #4 VACANT	COMMISSIONER

PAUL ANDERSON	PRESIDENT/CEO
PATRICK BLAIR, P.E., S. I.	VICE PRESIDENT OF ENGINEERING
JOSE DEJESUS, P.E. LEED, AP BD+C	DIRECTOR OF ENGINEERING
MICHAEL SEIFERT, P.E. PSM	PROJECT MANAGER

moffatt & nichol
501 E. KENNEDY BLVD, SUITE 1901
TAMPA, FLORIDA 33602
813-254-4811
LIC: EB-0004877

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

512

G-001

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

INDEX OF DRAWINGS

INDEX NO.	SHEET NO.	SHEET TITLE
		GENERAL
1	G-001	COVER SHEET
2	G-002	INDEX OF DRAWINGS
3	G-003	ABBREVIATIONS & LEGEND
4	G-004	GENERAL NOTES (1 OF 2)
5	G-005	GENERAL NOTES (2 OF 2)
6	G-101	GENERAL ARRANGEMENT PLAN
7	G-150	PROJECT SITING PLAN
8	G-301	SEQUENCE OF BULKHEAD CONSTRUCTION
		SURVEY
9	V-101	EXISTING CONDITIONS PLAN
		GEOTECHNICAL
10	B-101	BORING LOCATION PLAN
11	B-601	BORING LOGS (1 OF 3)
12	B-602	BORING LOGS (2 OF 3)
13	B-603	BORING LOGS (3 OF 3)
		DEMOLITION
14	D-101	DEMOLITION PLAN
15	D-401	DEMOLITION SECTIONS
		CIVIL
16	C-001	CIVIL NOTES
17	C-101	CIVIL SITE PLAN
18	C-102	CIVIL EROSION CONTROL PLAN
19	C-301	CIVIL SECTION
20	C-401	ENLARGED PARTIAL PLAN
21	C-501	DRAINAGE & CIVIL DETAILS
		STRUCTURAL
22	S-001	STRUCTURAL NOTES (1 OF 2)
23	S-002	STRUCTURAL NOTES (2 OF 2)
24	S-101	WHARF STRUCTURAL SITE PLAN
25	S-111	WHARF PILE PLAN
26	S-121	WHARF DECK PLAN
27	S-301	TYPICAL WHARF SECTION
28	S-401	ENLARGED WHARF SECTIONS
29	S-501	BULKHEAD CONNECTION DETAILS
30	S-502	BULKHEAD DETAILS (1 OF 3)
31	S-503	BULKHEAD DETAILS (2 OF 3)
32	S-505	WALE AND TIE ROD DETAILS (1 OF 2)
33	S-506	WALE AND TIE ROD DETAILS (2 OF 2)
34	S-513	TRENCH DRAIN DETAILS
35	S-517	UTILITY VAULT DETAILS
36	S-520	HIGH MIND BOLLARD DETAILS
37	S-530	BOLLARD DETAILS
38	S-540	FENDER DETAILS
39	S-550	CATHODIC PROTECTION DETAILS
40	S-560	BULKHEAD PENETRATION SECTIONS & DETAILS
		MECHANICAL
41	M-001	MECHANICAL NOTES
42	M-101	MECHANICAL SITE PAN
43	M-501	MECHANICAL DETAILS (1 OF 3)
44	M-502	MECHANICAL DETAILS (2 OF 3)
45	M-503	MECHANICAL DETAILS (3 OF 3)
		ELECTRICAL
46	E-001	ELECTRICAL NOTES (1 OF 2)
47	E-002	ELECTRICAL NOTES (2 OF 2)
48	E-101	OVERALL ELECTRICAL PLAN
49	E-401	ENLARGED ELECTRICAL PLAN (BERTH 301)
50	E-402	ENLARGED ELECTRICAL PLAN (BERTH 302)
51	E-403	ENLARGED ELECTRICAL PLAN (BERTH 303)
52	E-501	ELECTRICAL DETAILS (1 OF 4)
53	E-502	ELECTRICAL DETAILS (2 OF 4)
54	E-503	ELECTRICAL DETAILS (3 OF 4)
55	E-504	ELECTRICAL DETAILS (4 OF 4)
56	E-601	ELECTRICAL RISER DIAGRAM
57	E-602	ELECTRICAL CABLE SCHEDULE
58	E-603	ELECTRICAL PANEL SCHEDULES

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301

INDEX OF DRAWINGS

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

SHEET NO. G-002

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AB	ANCHOR BOLT
ABAND	ABANDONED
ABBR	ABBREVIATION
ABV	ABOVE
AC	ASPHALT CONCRETE, AIR COMPRESSOR OR ALTERNATING CURRENT
ADD'L	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BARE COPPER
BD	BOARD/BREASTING DOLPHIN
BH	BULKHEAD
BL	BASELINE
BLK'G	BLOCKING
BLKOUT	BLOCKOUT
BMP	BEST MANAGEMENT PRACTICE
BOS	BOTTOM OF STEEL
BOT	BOTTOM
C	CONTROL
CA	COMPRESSED AIR
CF	CUBIC FEET
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT OR CONDUIT ONLY
COL	COLUMN
CONC	CONCRETE
COND	CONDUIT
CONN	CONNECTION
CONST	CONSTRUCT OR CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CPT	CONE PENETROMETER TEST
CTR	CENTER
CU	CUBIC OR COPPER
CV	CHECK VALVE
D	DRAIN OR DEPTH
DEG	DEGREE
DET	DETAIL
DI	DROP INLET
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DN	DOWN
DWGS	DRAWINGS
DWT	DEADWEIGHT TONNAGE
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELB	ELBOW
ELECT	ELECTRICAL
EOP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ES	EACH SIDE
EW	EACH WAY OR EXISTING WATER
EX, EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	FRAME, FLANGE, OR FUEL
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDN	FOUNDATION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FDR	FEEDER
FFE	FINISHED FLOOR ELEVATION
FFWCC	FLORIDA FISH AND WILDLIFE CONVERSATION COMMISSION
FIN	FINISH
FS	FINISHED SURFACE OR FUEL SUPPLY
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GND	GROUND
GPM	GALLONS PER MINUTE
GV	GATE VALVE
H	HEIGHT, OR HORIZONTAL
HB	HOSE BIBB
HM	HOLLOW METAL
HML	HIGH MAST LIGHTING
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HWB	HIGH WIND BOLLARD
ID	INSIDE DIAMETER OR IDENTIFICATION
IMO	INTERNATIONAL MARITIME ORGANIZATION
IN.	INCHES
INV	INVERT
JT	JOINT
KSI	KIPS PER SQUARE INCH
LA	LIGHTNING ARRESTER
LB	POUND
LBP	LENGTH BETWEEN PERPENDICULARS
LF	LINEAR FOOT
LG	LONG
LOA	LENGTH OVER ALL
LT	LIGHT
LTG	LIGHTING
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MD	MOORING DOLPHIN
MES	MITERED END SECTION
MET	METAL
MFTR	MANUFACTURE
MH	MANHOLE
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
MON	MONUMENT
MPH	MILES PER HOUR
MTD	MOUNTED
N	NORTH
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NO.	NUMBER
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OBS	OBSTRUCTION
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OVERHEAD ELECTRICAL
OFF	OFFSET
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPRS	OPERATORS
OS	OUTSIDE
O.S.H.A.	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POWER, POLE, PUMP OR PIPE
PART'N	PARTITION
PC	PRECAST CONCRETE
PCF	POUND PER CUBIC FOOT
PL	PLATE OR PROPERTY LINE
PNL	PANEL
POC	POINT OF CONNECTION
PRESS	PRESSURE
PRI	PRIMARY
PS	PRESTRESSED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	POINT
PTB	PORT TAMPA BAY
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER
QC	QUALITY CONTROL
R	RIGID
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
REF	REFERE
REINF	REINFORCING
REQ'D	REQUIRED
RET	RETAINING
ROW	RIGHT-OF-WAY
S	SEWER, SLOPE OR SOUTH
SAN	SANITARY
SCH	SCHEDULE
SD	STORM DRAIN
SEC	SECONDARY
SECT	SECTION
SF	SQUARE FEET
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
SP	SPARE
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL OR SANITARY SEWER
SSP	STEEL SHEET PILE
STA	STATION
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE, STRUCTURAL
SUBSTA	SUBSTATION
SWM	STORM WATER MANAGEMENT
SY	SQUARE YARDS
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
TB	TURBIDITY BARRIER
TC	TOP OF CURB
TEMP	TEMPERATURE
THD	THREAD
THRU	THROUGH
TOS	TOP OF STEEL
TRANSV	TRANSVERSE
TRNSFMR	TRANSFORMER
TYP	TYPICAL
UHMWPE	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
UUL	UNKNOWN UNDERGROUND LINE
V, VERT	VERTICAL
W	WATER, WEST, WIDE OR WIRE
WM	WATER MAIN
WP	WEATHERPROOF, WATERPROOF, OR WORKING POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
&	AND
@	AT
*	ASTERISK
∠	ANGLE
Ø	DIAMETER OR PHASE
°	DEGREES
'	MINUTES OR FEET
#	NUMBER OR POUNDS
%	PERCENT
"	SECONDS OR INCH
W/	WITH

LEGEND



VIEW TITLE — DETAIL CALLOUT



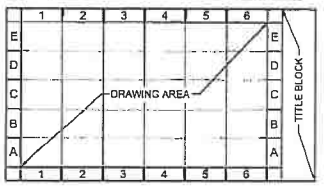
SECTION CALLOUT — SECTION CALLOUT WITH JOG



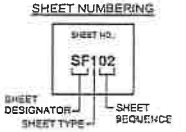
KEYED NOTE — DETAIL CALLOUT WITH LEADERS

* VIEW NUMBER IS BASED ON THE (DACS) LOCATION OF THE LOWER-LEFT EXTENTS OF THE VIEW ON THE REFERENCED SHEET. WHEN REFERENCING DRAWING INFORMATION BETWEEN SHEETS, BOTH THE VIEW AND SHEET NUMBERS MUST BE QUOTED TOGETHER - EITHER IN A CALLOUT FORMAT AS SHOWN ABOVE OR IN THE FORM: "VIEW NO./SHEET NO." (EG A1/CS-5001)

DRAWING AREA COORDINATE SYSTEM (DACS)



SHEET NUMBERING



DISCIPLINE DESIGNATORS	
DISCIPLINE	DESIGNATOR
GENERAL	G
SURVEY/MAPPING	V
GEOTECHNICAL	B
CIVIL WORKS	W
CIVIL	C
STRUCTURAL	S
MECHANICAL	M
ELECTRICAL	E
OTHER DISCIPLINES	X

SECONDARY DESIGNATORS	
DEMOLITION	D
GENERAL	G
SUBSTRUCTURE	B
FRAMING	F
COMPONENT	C
SITE	S

SHEET TYPE DESIGNATORS	
0	GENERAL (COVER SHEET, LEGEND, NOTES)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS (NOT TYP/RARELY USED)
3	SECTIONS (OVERALL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, SECT, OR ELEV. - NOT DETAILS)
5	DETAILS (MAY BE PLAN, SECT, OR ELEV. VIEWS)
6	SCHEDULES
7	USER DEFINED
8	USER DEFINED
9	3D ISOMETRIC

REVISION NUMBERING	
A00, A01...	PRE-BID SUBMITTALS
B00, B01...	BID SUBMITTALS
000, 001...	CONSTRUCTION SUBMITTALS

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
ABBREVIATIONS & LEGEND

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

APPROVED: GMS
DATE: 2024-11-01

G-003

514

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

GENERAL NOTES

1. ALL WORK MUST CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND CONVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER WILL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT WILL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2024 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
2. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM WITH THESE DRAWINGS, PROJECT SPECIFICATIONS AND WITH ALL CURRENT APPLICABLE CODES AND THE LATEST REVISIONS OF THE FOLLOWING REFERENCE DOCUMENTS:
   a. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROAD AND BRIDGE SPECIFICATIONS,
   b. FDOT ROAD AND BRIDGE STANDARDS,
   c. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
   d. NATIONAL ELECTRIC CODE (NEC),
   e. FLORIDA BUILDING CODE (FBC)
3. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST CHECK THE DRAWINGS AGAINST THE SITE AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR WILL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
4. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
5. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS MUST BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
7. PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
8. ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
9. CONDUCT AND COORDINATE WITH PORT TAMPA BAY OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK.
10. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND REFERENCED TO THE FOLLOWING TIDAL DATUM:

MHHW :	(MEAN HIGHER HIGH WATER)	+0.79
MHW :	(MEAN HIGH WATER)	+0.49
NAVD :	(MEAN TIDE LEVEL)	0.00
MSL :	(MEAN SEA LEVEL)	-0.35
MLW :	(MEAN LOW WATER)	-1.23
MLLW :	(MEAN LOWER LOW WATER)	-1.67

   THE TIDAL DATUM RELATIONSHIP IS BASED ON NOAA STATION 8726537 APOLLO BEACH, HILLSBOROUGH BAY, FL.
11. LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH DEMOLITION AND CONSTRUCTION. NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
12. VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT. COORDINATE WITH THE PORT ENGINEER TO GAIN ACCESS TO THE SITE THROUGH SECURITY OPERATIONS.
13. PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
14. PROTECT AND MAINTAIN ACCESS TO PRIVATE PROPERTY ADJACENT PORT TENANTS. ANY DAMAGE CAUSED BY THE CONTRACTOR DURING WORK MUST BE CORRECTED TO THE SATISFACTION OF THE PORT ENGINEER AT THE CONTRACTOR'S EXPENSE.
15. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT MUST BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE PORT ENGINEER.
16. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
17. TOPOGRAPHIC AND HYDROGRAPHIC SURVEY AT BERTH 301 BY HYATT SURVEY SERVICES, INC.
18. REPORT OF GEOTECHNICAL ENGINEERING SERVICES PROPOSED BERTH 301 BY S&ME, INC. DATED AUGUST 2024.
19. THE ACCURACY OF EXISTING STORM DRAINS, MOORING DOLPHINS, AND OTHER STRUCTURES SHOWN ON PLANS ARE NOT GUARANTEED. ACTUAL FIELD CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OF MATERIALS, ORDERING MATERIALS, OR PERFORMING WORK. LOCATIONS OF EXISTING UTILITY DISTRIBUTIONS SHOWN WERE PROVIDED BY PORT TAMPA BAY.
20. THE LOCATIONS AND ELEVATIONS OF STRUCTURES, UTILITIES, AND CONNECTIONS TO UTILITIES AS SHOWN ARE APPROXIMATE. VERIFY THE EXACT LOCATION AND ELEVATION IN THE FIELD. LOCATIONS OF NEW FACILITIES AND UTILITIES MUST BE ADJUSTED IN A MANNER APPROVED BY PORT TAMPA BAY TO AVOID CONFLICTS. DAMAGES TO FACILITIES AND UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS MUST BE REPAIRED ON THE DAY DAMAGE OCCURS BY THE CONTRACTOR AT NO COST TO PORT TAMPA BAY.
21. UNLESS OTHERWISE NOTED, RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND MUST REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
22. ALL EXCAVATION, TRENCHING, SHEETING, SHORING AND BRACING MUST BE INSTALLED AS REQUIRED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING O.S.H.A.
23. ALL ITEMS INDICATED TO BE REMOVED AND REINSTALLED MUST BE STORED IN A SECURE LOCATION AND PROTECTED FROM DETERIORATION AND DAMAGE.
24. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS MUST PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN MUST INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT O.S.H.A. AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND O.S.H.A.'S TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND PORT TAMPA BAY WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.
25. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SECURITY AT THE WORK SITE.
26. THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF DAMAGE AND/OR INTERRUPTION OF ANY UTILITY, EITHER ABOVE OR BELOW GROUND, RESULTING FROM CONSTRUCTION OPERATIONS.
27. IT IS THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION OF NEW UTILITIES TO ANTICIPATE AND PLAN FOR CROSSINGS WHERE SHOWN ON THE PLANS.
28. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION MUST BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
29. MAINTAIN UNINTERRUPTED UTILITY SERVICE TO PORT TENANTS WHOSE UTILITIES MIGHT OTHERWISE BE IMPACTED BY THE CONTRACTOR'S WORK ON THIS PROJECT. COORDINATE ALL UTILITY OUTAGES SUFFICIENTLY IN ADVANCE THROUGH THE PORT ENGINEER, SO AS NOT TO DISRUPT THE OPERATIONS OF THE PORT OR ITS TENANTS.
30. PROVIDE EROSION CONTROL/SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE PORT ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVELWAYS TO THE SATISFACTION OF THE PORT ENGINEER AND/OR LOCAL AUTHORITIES.
31. MANATEES HAVE BEEN IN THE AREA AND THE CONTRACTOR MUST WORK IN ACCORDANCE WITH STANDARD MANATEE PROVISIONS AS PER STATE'S STANDARD MANATEE CONSTRUCTION CONDITIONS FOR IN-WATER WORKS (2011) ARE CONDITIONS OF THE PERMIT. LOCATIONS OF THE SIGNS MUST BE COORDINATED WITH THE PORT ENGINEER.
32. CONTROL FUGITIVE DUST ORIGINATING FROM THE PROJECT AREA DURING CONSTRUCTION BY WATERING OR OTHER METHODS AS NECESSARY.
33. GRASSING AND SOD MUST BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION PROJECT.
34. CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS. ALSO CONTACT THE PORT FACILITIES DIRECTOR, NOBERTO SANCHEZ FOR LOCATIONS OF PORT UTILITIES.
35. EXECUTE NPDES "NOTICE OF INTENT" PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR MUST PREPARE AND SUBMIT A "NOTICE OF INTENT" TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). MONITOR THE SITE AT ALL TIMES AND TAKE APPROPRIATE ACTION TO PREVENT EROSION INCLUDING THE USE OF BMP. NO PUMPING OF GROUND OR SURFACE WATER MUST BE PERFORMED WITHOUT APPROVAL FROM THE WATER MANAGEMENT DISTRICT. FOLLOWING COMPLETION OF CONSTRUCTION, CONTRACTOR MUST PREPARE AND SUBMIT A "NOTICE OF TERMINATION OF GENERIC PERMIT COVERAGE" TO FDEP.
36. PROVIDE POSITIVE DRAINAGE AWAY FROM EDGE OF PAVEMENT ALONG CONTRACT AREAS.

DEMOLITION

1. COORDINATE WITH PORT DIRECTOR OF FACILITIES TO ENSURE DISCONNECTIONS OF SERVICE AS REQUIRED.
2. TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURES.
3. PRIOR TO GENERAL DEMOLITION, SAWCUT WHERE NOTED OR OTHERWISE PROVIDE A SMOOTH, CLEAN, PARALLEL, FULL DEPTH BREAK FROM ALL CONNECTING LINKS TO THE REMAINING STRUCTURE. ENSURE THAT THE JOINT IS STRAIGHT WITHOUT SPALLED EDGES OR CRACKS.
4. ANY DAMAGE INCURRED IN EXECUTION OF THIS CONTRACT TO ANY PART OF THE PROPERTY/STRUCTURE NOT SPECIFICALLY DESIGNATED FOR DEMOLITION MUST BE REPAIRED, REPLACED, AND/OR RECONSTRUCTED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AS DIRECTED BY THE PORT ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
5. ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF, AND MUST BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR AT A LEGAL DISPOSAL SITE. THE REMOVAL, HANDLING, AND DISPOSAL OF ALL DEMOLITION MATERIALS MUST BE IN STRICT ACCORDANCE WITH ALL LOCAL AND FEDERAL REQUIREMENTS.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.
7. ALL REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES MUST BE COORDINATED WITH THE PORT ENGINEER PRIOR TO PROCEEDING WITH THE CONSTRUCTION.
8. ALL CONCRETE MUST BE ASSUMED TO BE STEEL REINFORCED.
9. NO SALVAGE VALUE IS EXPRESSED OR IMPLIED BY THESE CONTRACT DOCUMENTS FOR THE ITEMS TO BE REMOVED OR DEMOLISHED.

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
GENERAL NOTES (1 OF 2)

moffatt & nichol
TAMPA, FL 33602 TELEPHONE: 813 905-7678
1101 CHANNELSIDE DRIVE

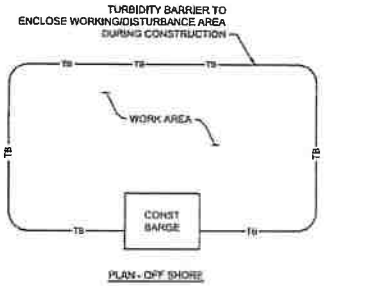
APPROVED: DWS
DATE: 12-11-24

G-004

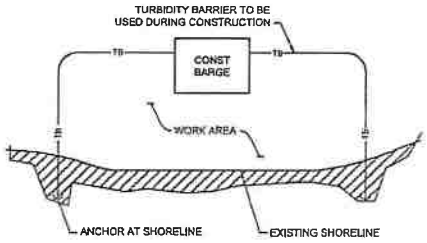
515

ENVIRONMENTAL MEASURES

1. TURBIDITY BARRIERS MUST BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR MUST MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR MUST PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
5. CONTRACTOR NEEDS TO FULLY COMPLY WITH THE U.S. ARMY CORPS OF ENGINEERS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION "SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS".
6. CONTRACTOR MUST ADHERE TO THE FFWCC STANDARD FOR MANATEE CONDITIONS AND SMALLTOOTH SAWFISH FOR IN-WATER WORK.

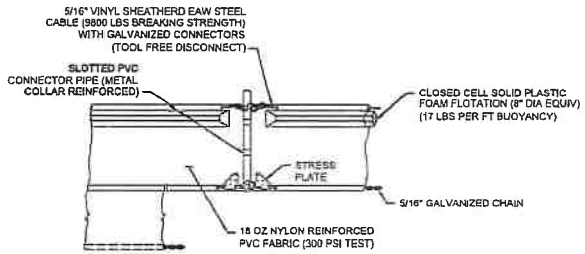


PLAN - OFF SHORE



PLAN - ALONG SHORE

DETAIL - TURBIDITY CONTROL BARRIER



NOTE: CURTAIN WILL NOT REACH BOTTOM

DETAIL - TURBIDITY CURTAIN DETAIL

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

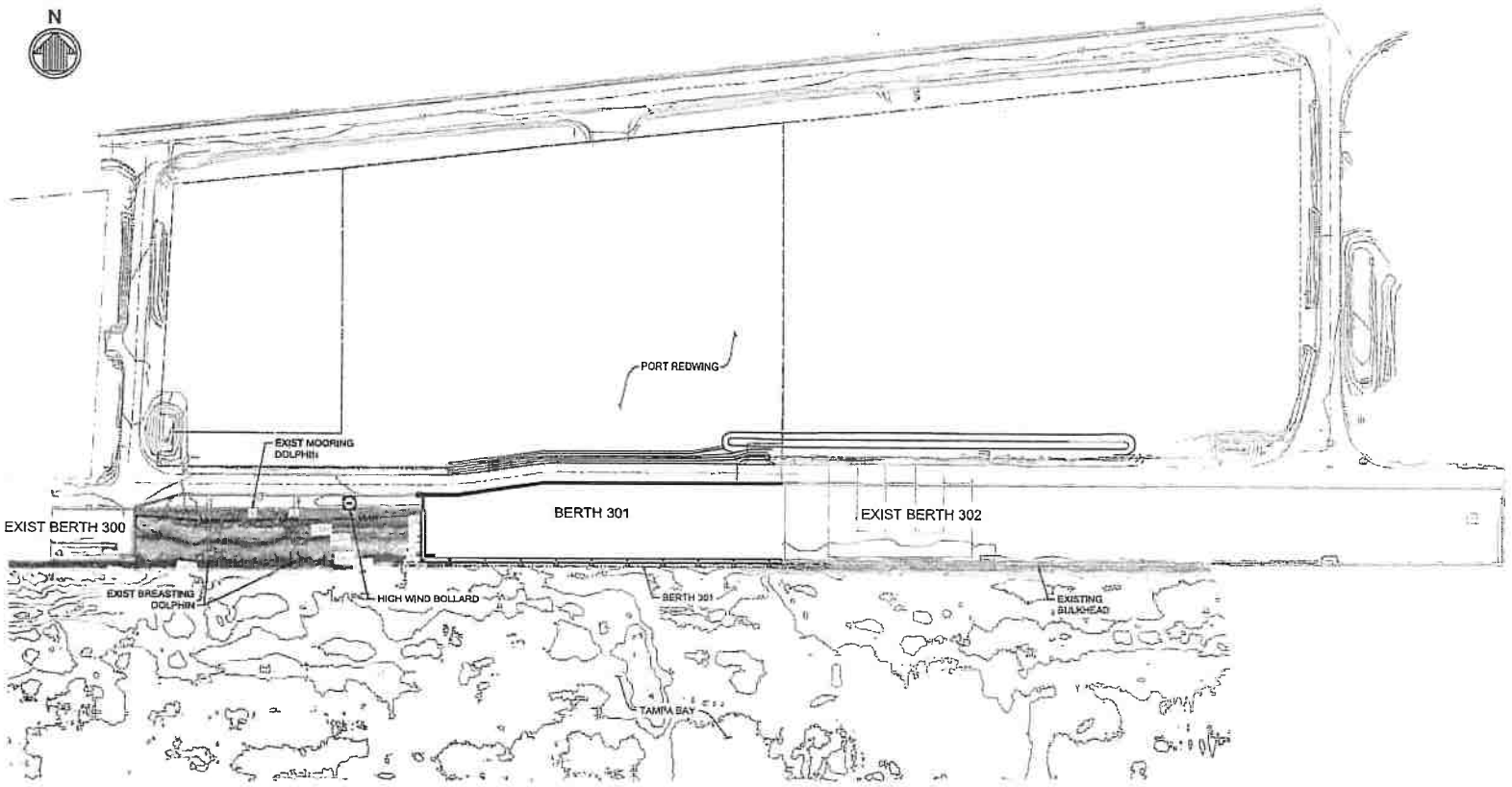
BERTH 301
GENERAL NOTES (2 OF 2)

mallett & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

G-005

516

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



LEGEND

- EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)
- PROPERTY LINE
- CHANNEL LIMITS
- FENCE

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

SCALE: 1"=80'

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
GENERAL ARRANGEMENT PLAN

moffatt & nichol

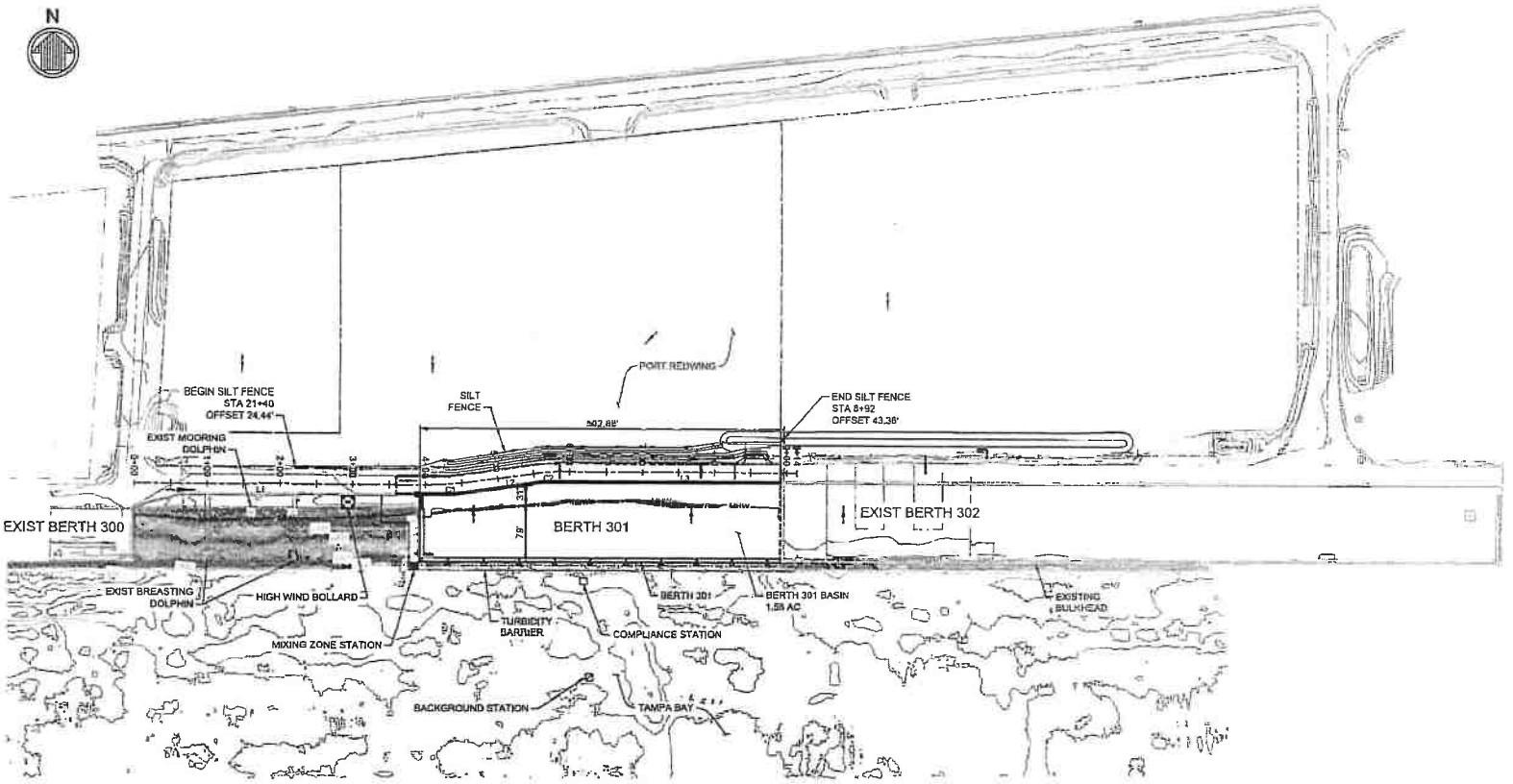
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

G-101

517

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



SUMMARY OF QUANTITIES

STRUCTURE	DISTANCE WATERWARD OF MHWL TO EDGE OF STRUCTURE (FT)	SURFACE AREA (SQFT)		FILL VOLUMNE WATERWARD OF MHWL (CY)		FILL VOLUME LANDWARD OF MHWL (CY)	TOTAL FILL VOLUME (CY)	NUMBER OF 60-in PILES WATERWARD OF MHLW	AREA OF 60-in PILES WATERWARD OF MHWL (SQFT)	NUMBER OF 42-in PILES WATERWARD OF MHLW	AREA OF 42-in PILES WATERWARD OF MHWL (SQFT)	NUMBER OF SHEET PILE PAIRS WATERWARD OF MHLW
		WATERWARD OF MHWL TO FACE OF STRUCTURE	TOTAL AREA	BELOW MHWL	ABOVE MHWL							
BERTH 301	60.32	38600	53200	27050	11820	1300	40170	56	1100	0	0	57

LEGEND

- EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)
- PROPERTY LINE
- FENCE
- SILT FENCE
- TURBIDITY BARRIER
- BASIN OUTLINE
- DRAINAGE FLOW ARROW
- OYSTER BED

SCALE: 1"=80'

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

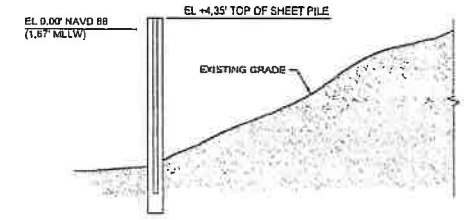
RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

BERTH 301
PROJECT SITING PLAN

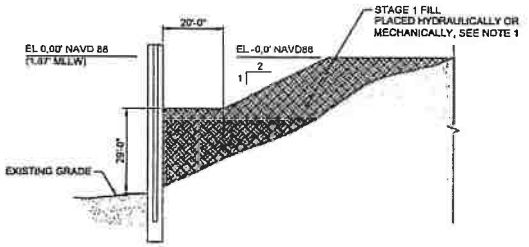
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

G-150

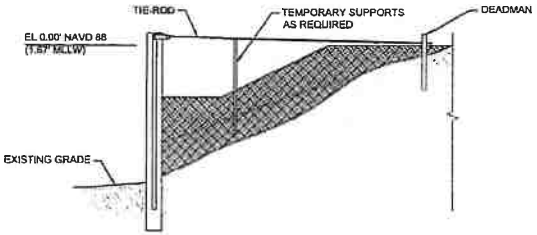
518



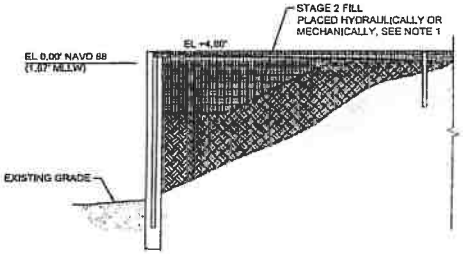
STEP 1 - INSTALL KING PILE BULKHEAD



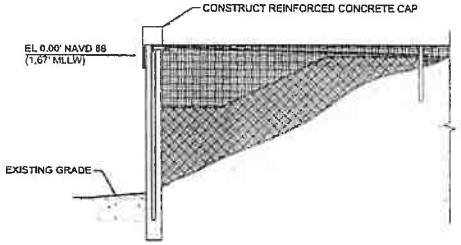
STEP 2 - STAGE 1 FILL



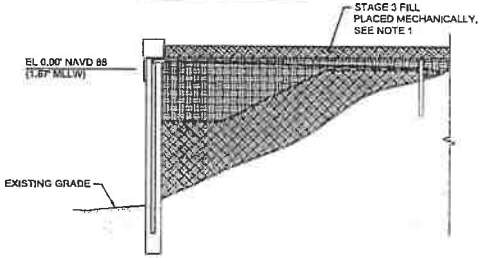
STEP 3 - INSTALL TIE-RODS AND DEADMEN



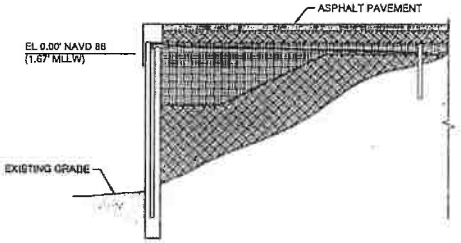
STEP 4 - STAGE 2 FILL AND VIBROCOMPACTION



STEP 5 - CONSTRUCT CAP



STEP 6 - STAGE 3 FILL



STEP 7 - CONSTRUCT PAVEMENT

NOTES

1. THE EXISTING SITE SANDS AND BELOW WATER PLACED FILL SHOULD BE IMPROVED USING VIBRO COMPACTION TO MITIGATE SETTLEMENT. REFER TO GEOTECHNICAL REPORT FOR DETAILS AND METHODS.
2. ALTERNATE FILL SEQUENCES MAY BE CONSIDERED BY THE ENGINEER. DEFLECTION OF THE WALL UNDER TEMPORARY (CONSTRUCTION) LOADING MUST NOT EXCEED 3". CONTRACTOR MUST SUBMIT PROPOSED ALTERNATIVE FILL PLAN AND CALCULATIONS FOR REVIEW BY THE ENGINEER.
3. PERFORM VIBRO-COMPACTION WITH GRANULAR BACKFILL TO PROVIDE THE FOLLOWING CRITERIA UPON SUCCESSFUL COMPLETION OF EACH:
   a. PERFORM DENSIFICATION BY VIBRO-COMPACTION TO AT LEAST A DEPTH EQUAL TO THE FILL DEPTH.
   b. ACHIEVE AN AVERAGE N-VALUE OF 25, WHERE NO INDIVIDUAL N-VALUE IS LESS THAN 20, IN THE GRANULAR SANDS AND SLIGHTLY SILTY SANDS AS DETERMINED BY A STANDARD PENETRATION BORING WITHIN THE IMPROVED SOIL STRATA.
   c. ACHIEVE A UNIFORM SOIL BEARING CAPACITY OF 1000 POUNDS PER SQUARE FOOT WITH A MAXIMUM TOTAL SETTLEMENT OF 1 INCH OVER THE ENTIRE BERTH AREA.
4. USE A DOWN HOLE VIBRATOR CAPABLE OF PROVIDING AT LEAST 80 HP AND A RATED ENERGY AND CENTRIFUGAL FORCE OF 15 TONS.
5. PERFORM FOUR (4) STANDARD PENETRATION TEST BORINGS OR CONE PENETRATION TESTS ON COMPLETED BACKFILL TO VERIFY COMPACTION. LOCATIONS MUST BE AT POINTS WHICH ARE EQUIDISTANT FROM THE NEAREST PROBE POINT.
6. RECOMPACT AREAS OF THE SITE NOT ADEQUATELY DENSIFIED AS DETERMINED BY THE SPECIFIED SPT/CPT VALUES. PERFORM RECOMPACTION AT NO ADDITIONAL COST TO THE PORT.
7. PROVIDE INDEPENDENT SITE INSPECTION AND TESTING TO INCLUDE OBSERVANCE OF VIBRO-COMPACTION PROCEDURES, RECORDING BACKFILL QUANTITIES, RECORDING OF AMMETER INFORMATION, AND VERIFICATION TESTING.

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
SEQUENCE OF BULKHEAD CONSTRUCTION

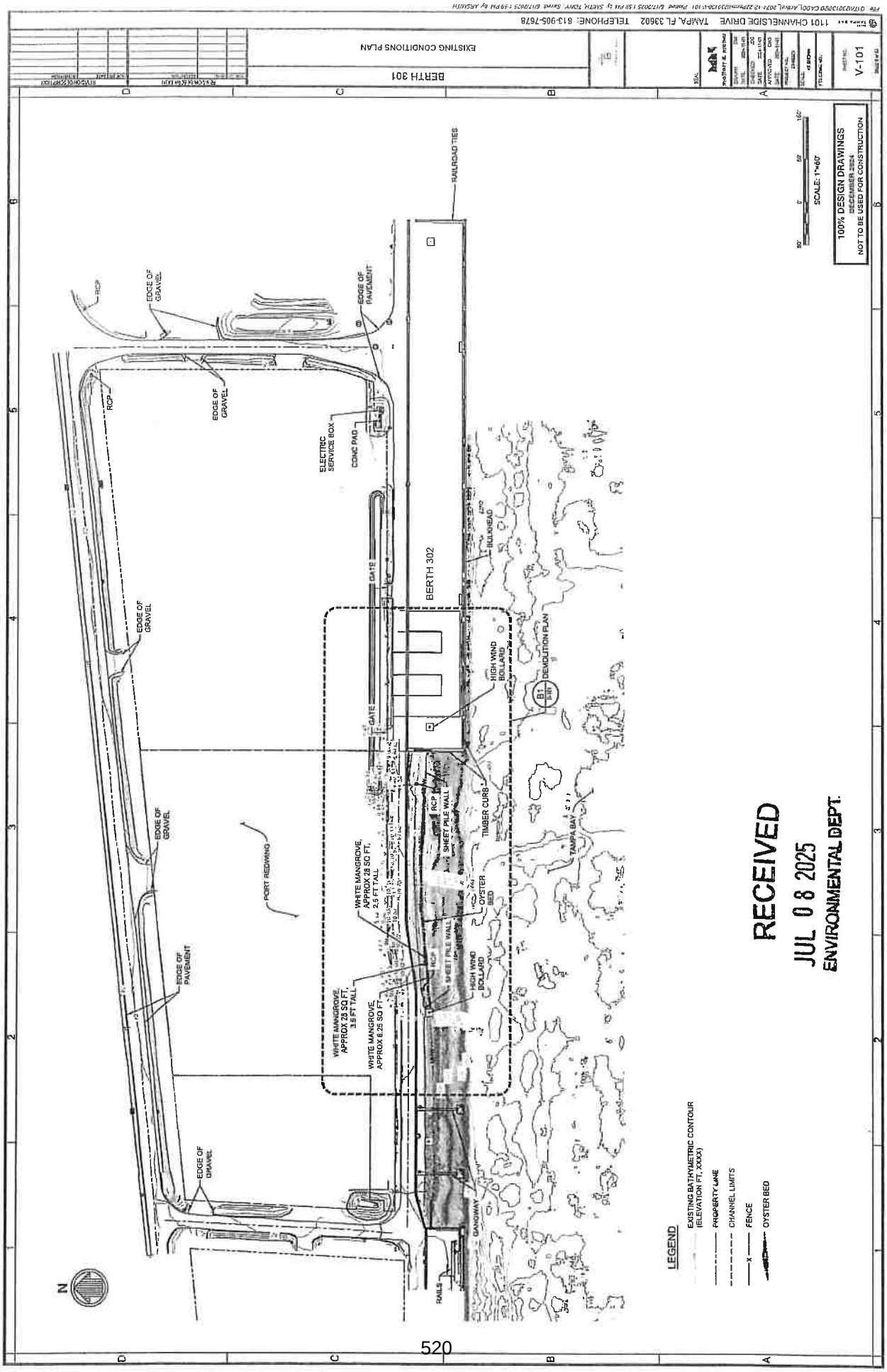
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

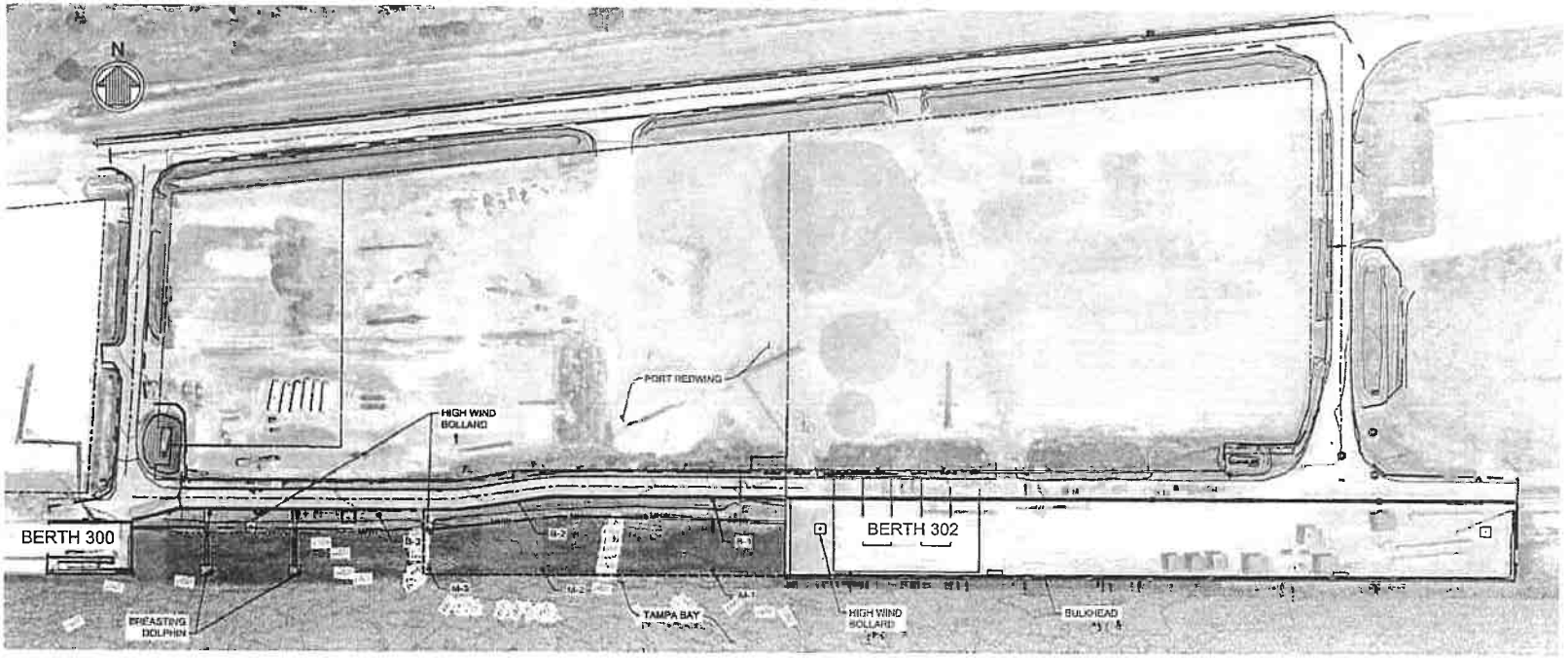
G-301

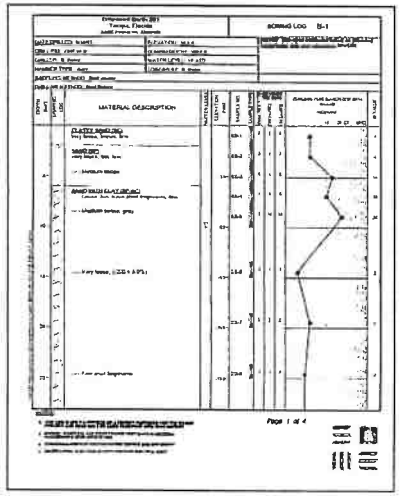
519

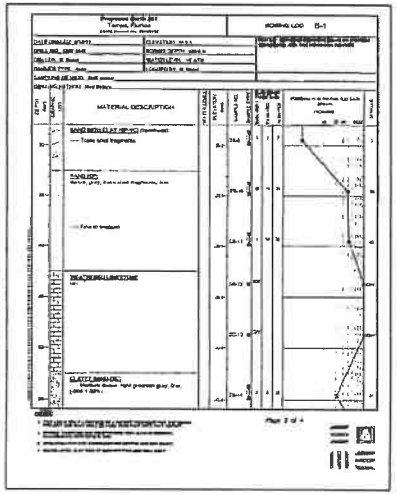
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

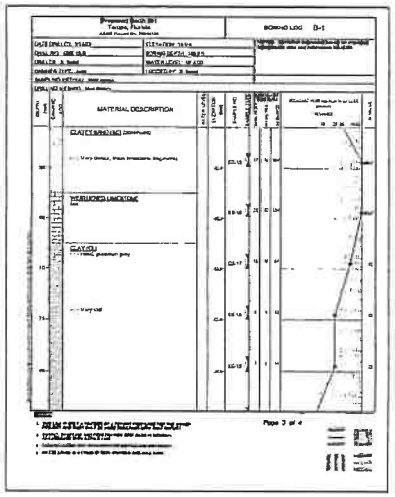
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

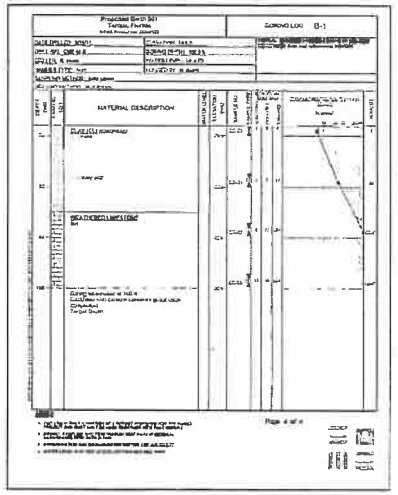


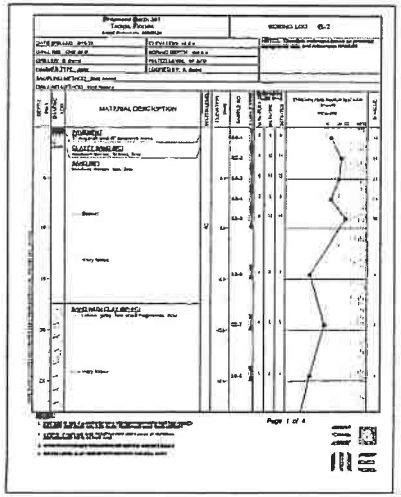

N
PORT REDWING
HIGH WIND BOLLARD
BERTH 300
BERTH 302
B-1
B-2
B-3
B-4
B-5
B-6
B-7
B-8
B-9
B-10
B-11
B-12
B-13
B-14
B-15
B-16
B-17
B-18
B-19
B-20
B-21
B-22
B-23
B-24
B-25
B-26
B-27
B-28
B-29
B-30
B-31
B-32
B-33
B-34
B-35
B-36
B-37
B-38
B-39
B-40

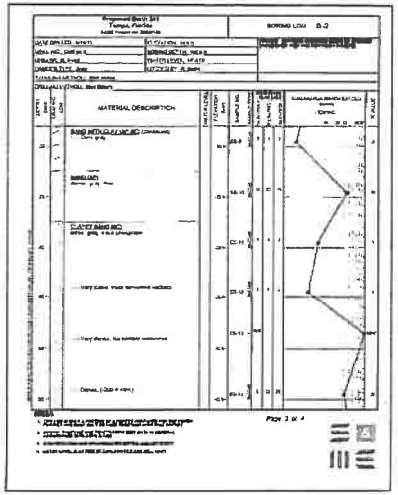


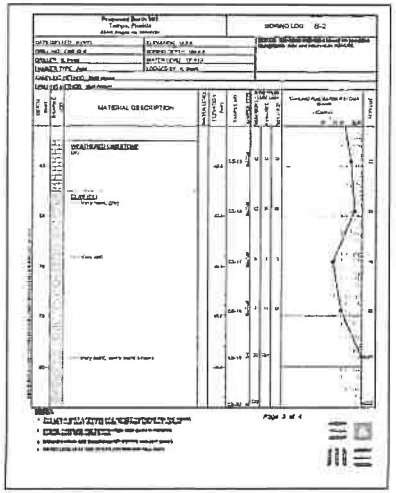


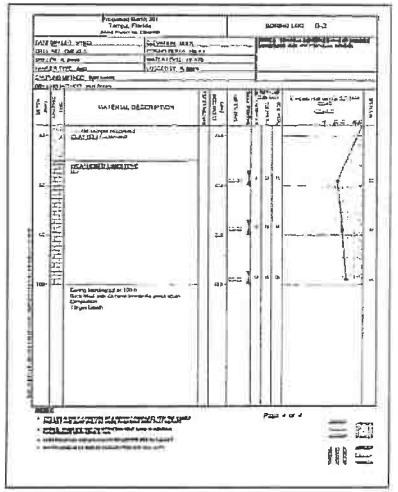












RECEIVED

JUL 08 2025

ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301

BORING LOGS (1 OF 2)

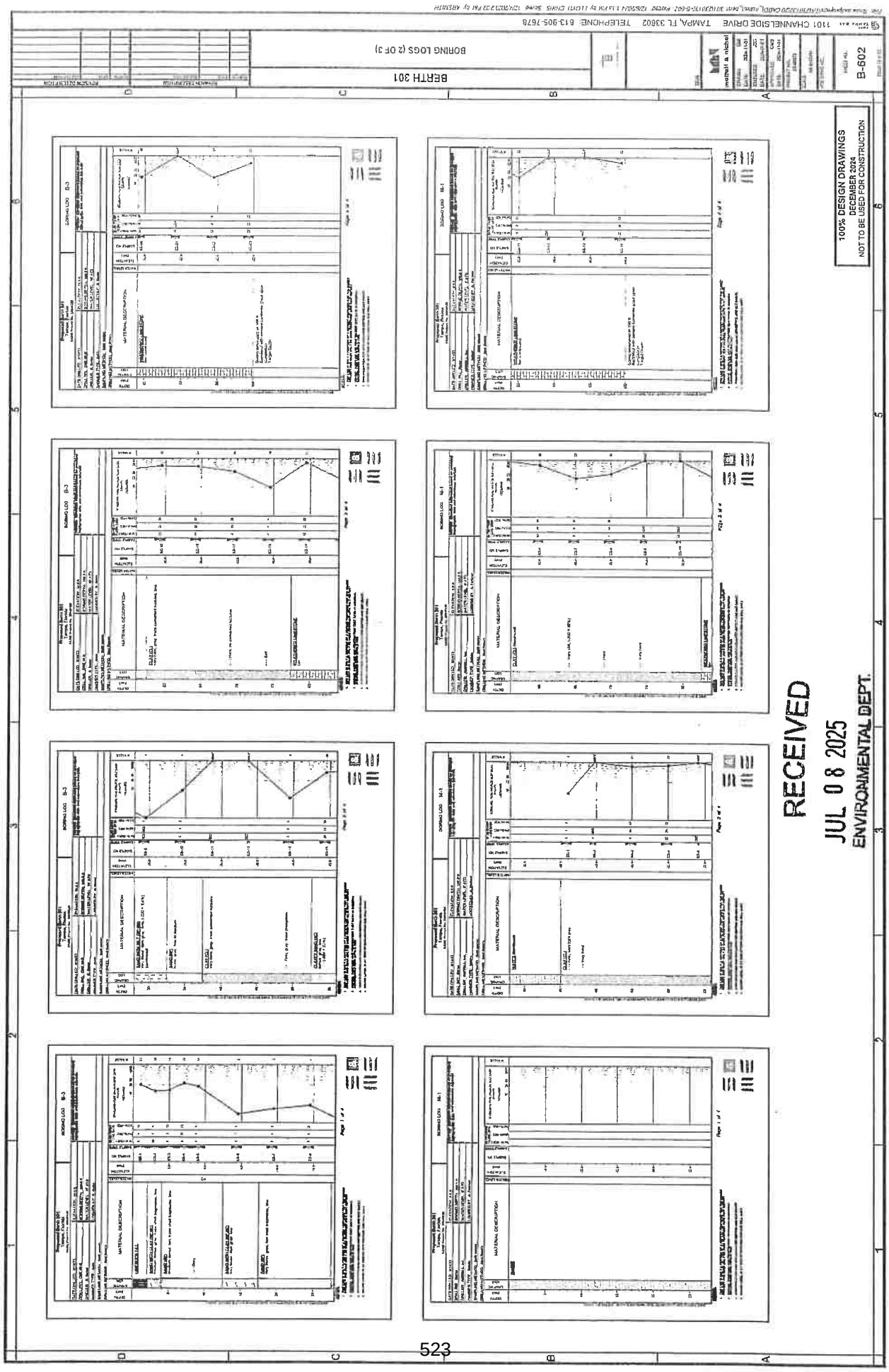
B-601

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

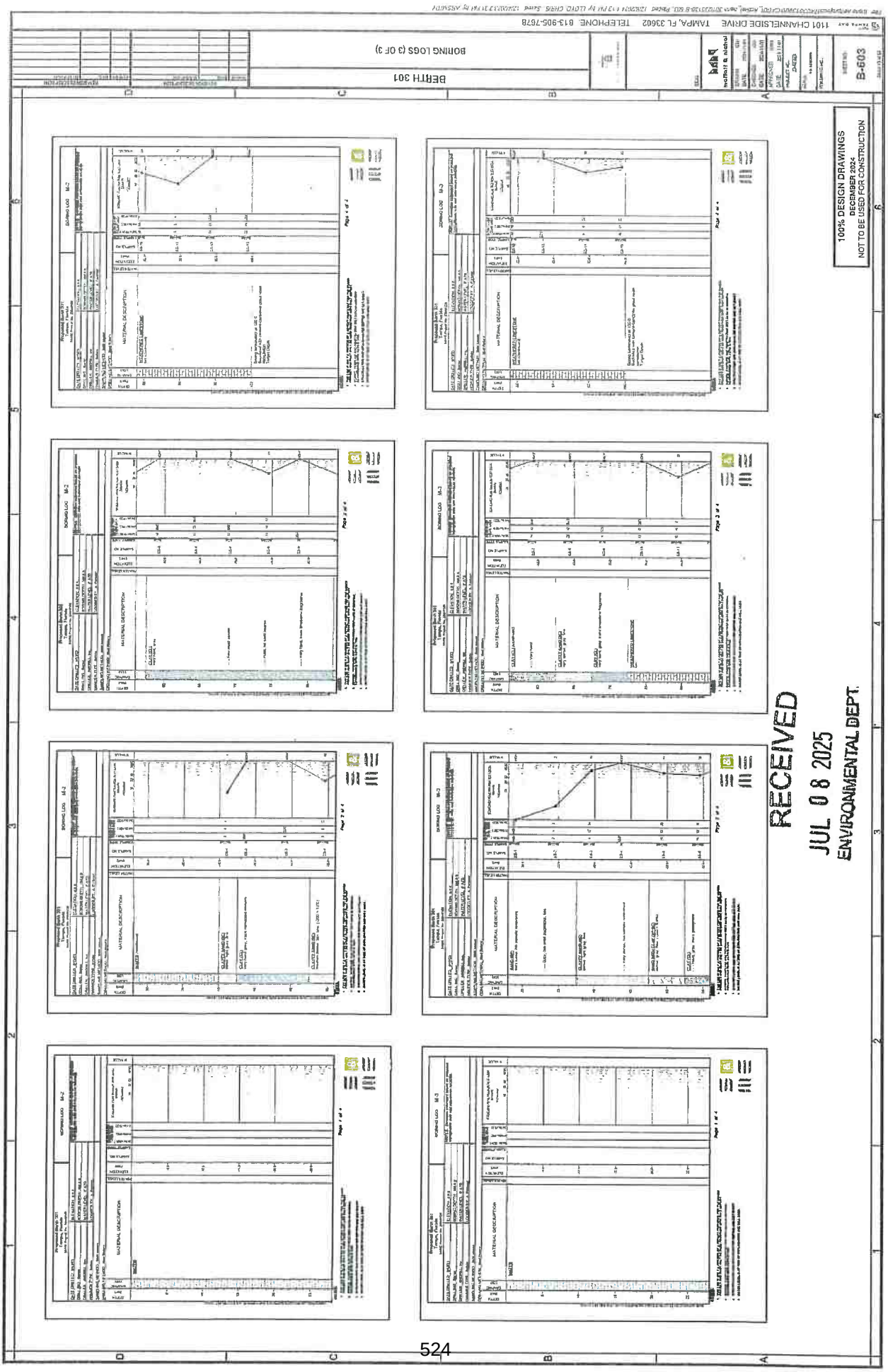
522

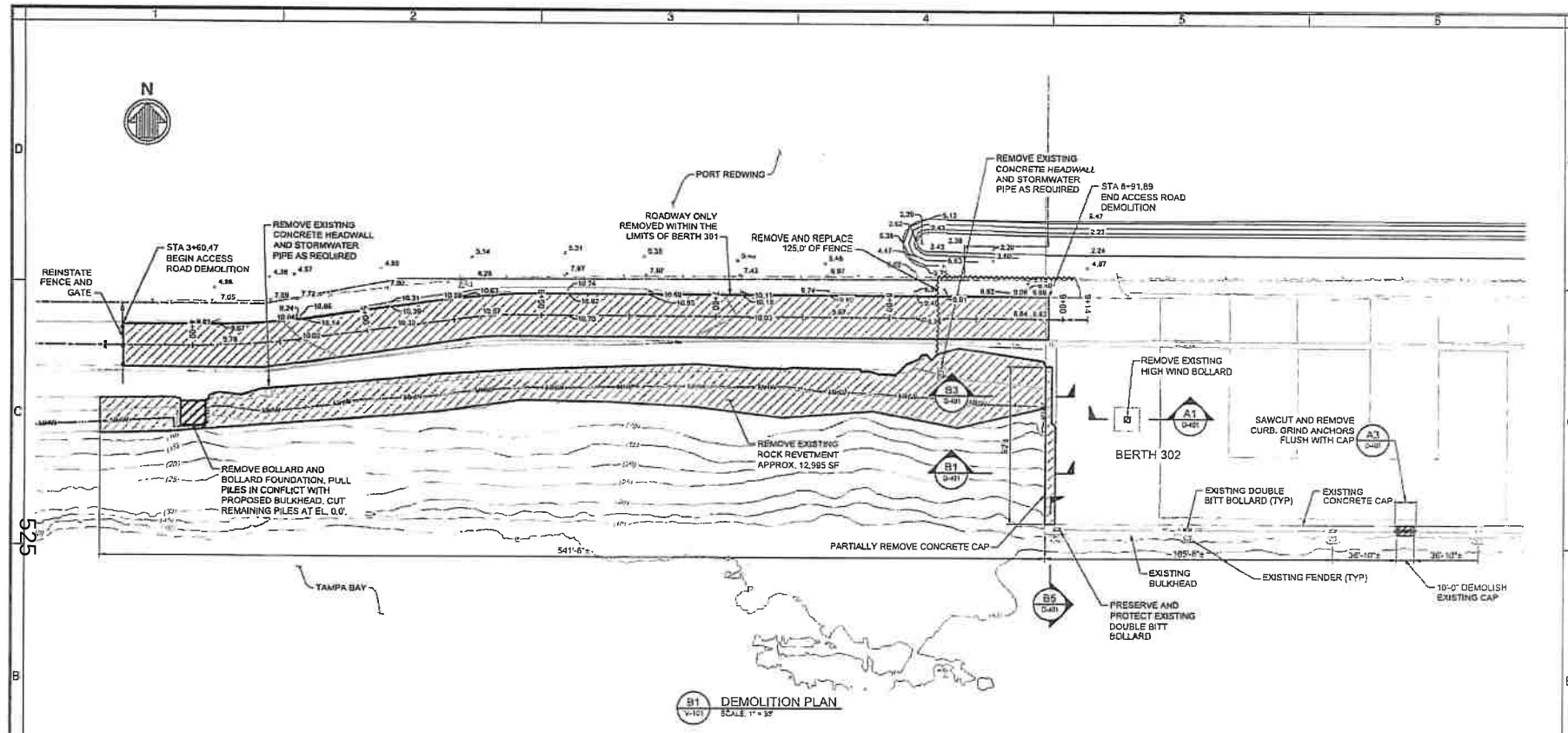
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

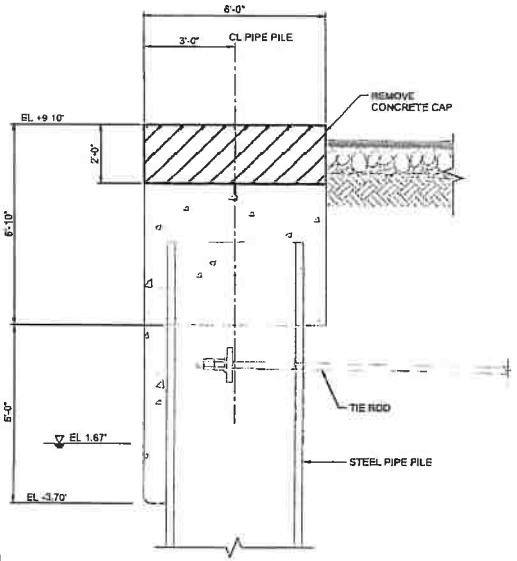
BERTH 301
DEMOLITION PLAN

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

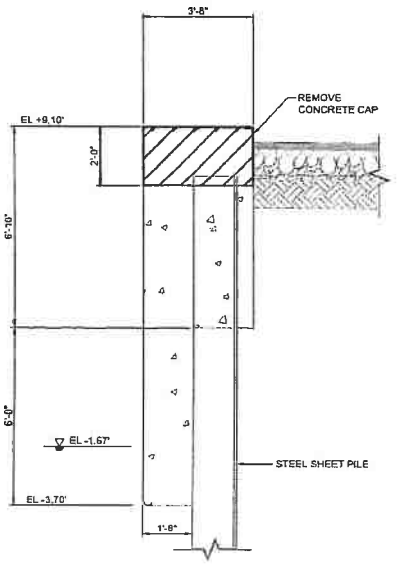
D-101

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

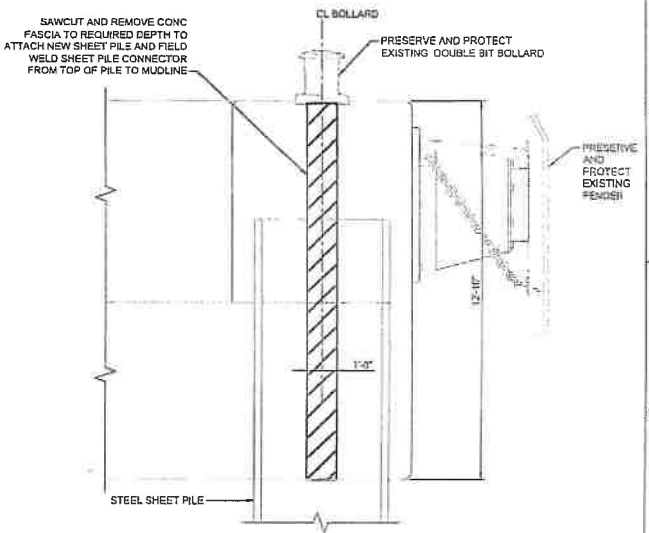
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



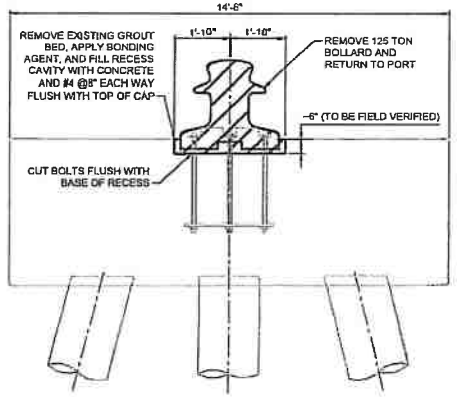
B1 SECTION - AT PIPE PILE
SCALE: 1/2" = 1'-0"



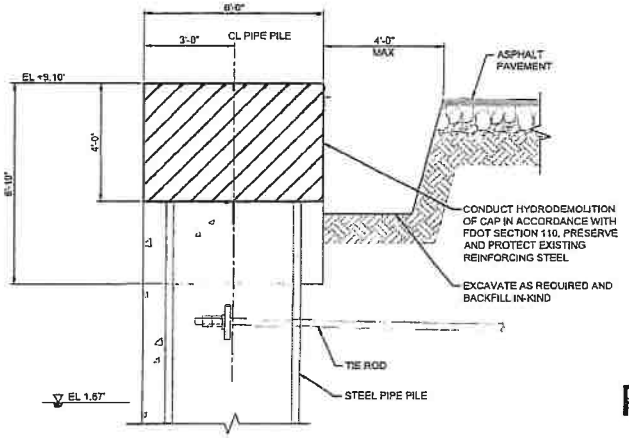
B3 SECTION - AT SHEET PILE
SCALE: 1/2" = 1'-0"



B5 SECTION
SCALE: 1/2" = 1'-0"



A1 REMOVAL OF EXISTING HIGH WIND BOLLARD AT BERTH 302
SCALE: 1/2" = 1'-0"



A3 SECTION - PARTIAL CAP DEMOLITION AT BERTH 302
SCALE: 1/2" = 1'-0"

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

SCALE: 1/2"=1'-0"

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
DEMOLITION SECTIONS

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678
moffatt & nichol

D-401

526

CIVIL NOTES

DRAINAGE:

1. INLETS AND MANHOLES REFERENCE THE LATEST EDITION OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.
2. ALL STORM SEWER PIPE MUST BE CLASS V RCP UNLESS OTHERWISE NOTED ON PLANS.
3. ALL EXFILTRATION PIPE MUST BE CLASS III UNLESS OTHERWISE NOTED IN PLANS.
4. ALL DRAINAGE STRUCTURE GRATES AND COVERS MUST BE TRAFFIC RATED PER LIVE LOADING REQUIREMENTS SHOWN IN STRUCTURAL GENERAL NOTES.
5. THE CONTRACTOR MUST MAINTAIN AND PROTECT THE STORM DRAINAGE SYSTEM FROM DIRT AND DEBRIS UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR MAY BE REQUIRED TO CLEAN PIPES AND INLETS FOR THESE PURPOSES.
6. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
7. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF THE UTILITIES PRIOR TO CONSTRUCTION.
8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE PORT SURVEYOR WITHOUT DELAY.
9. NO STOCKPILING OF MATERIAL IN ROADWAY. ALL DIRT AND DEBRIS WILL BE REMOVED FROM THE JOB SITE DAILY.

EROSION CONTROL:

1. IT IS NOT THE INTENT OF THE PLANS TO SHOW ALL EROSION CONTROL AND TEMPORARY DRAINAGE. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE EROSION CONTROL AND TEMPORARY DRAINAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND OBTAINING THE NPDES PERMIT FOR THE PROJECT, AS REQUIRED.
2. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, WETLANDS AND THE CHANNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
3. INLET PROTECTION BEST MANAGEMENT PRACTICES MUST BE USED. PRIOR TO ANY WORK BEGINNING, INLET PROTECTION DEVICES MUST BE INSTALLED ON ALL EXISTING INLETS, CATCH BASINS, OR OTHER AREAS WATER MAY DISCHARGE OFFSITE. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
4. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR MUST STABILIZE THE AFFECTED AREAS USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
5. THE CONTRACTOR MUST STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK OF CONSTRUCTION ACTIVITIES.
6. THE CONTRACTOR MUST PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES UNTIL THE PROJECT IS COMPLETE AND ALL BARED SOILS ARE STABILIZED.
7. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM CONSTRUCTION AREAS, THE WATER MUST BE TREATED PRIOR TO DISCHARGE INTO OPEN WATER BODIES. TREATMENT METHODS INCLUDE AND ARE NOT LIMITED TO, TURBID WATER PUMPED INTO GRASSY SWALES, SEDIMENT BASINS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL TURBIDITY LEVELS MEET STATE WATER QUALITY STANDARDS.
8. THE CONTRACTOR MUST SCHEDULE HIS OPERATIONS SUCH THAT THE AREA OF UNPROTECTED ERODIBLE EARTH EXPOSED AT ANY TIME IS NOT LARGER THAN THE MINIMUM AREA NECESSARY FOR EFFICIENT CONSTRUCTION OPERATIONS, AND THE DURATION OF EXPOSED UNCOMPLETED CONSTRUCTION MUST BE AS SHORT AS PRACTICAL.
9. TO MINIMIZE SOIL EROSION, PROPOSED LAND ALTERATION MUST NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY, ADEQUATE PROTECTION MEASURES SUCH AS SEDIMENT BARRIERS AND SOD MUST BE PROVIDED AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUNOFF.
10. CONTRACTOR MUST INSPECT THE SEDIMENT CONTROL MEASURES AT LEAST ONCE A WEEK OR AFTER EVERY RAINFALL EVENT OF 0.25" OR MORE.
11. CONTRACTOR MUST IMMEDIATELY REPAIR OR REPLACE ANY SEDIMENT CONTROL MEASURE THAT IS RENDERED DAMAGED OR INEFFECTIVE BY NORMAL USE OR EXTREME RAINFALL EVENTS.

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
CIVIL NOTES

maffoll & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

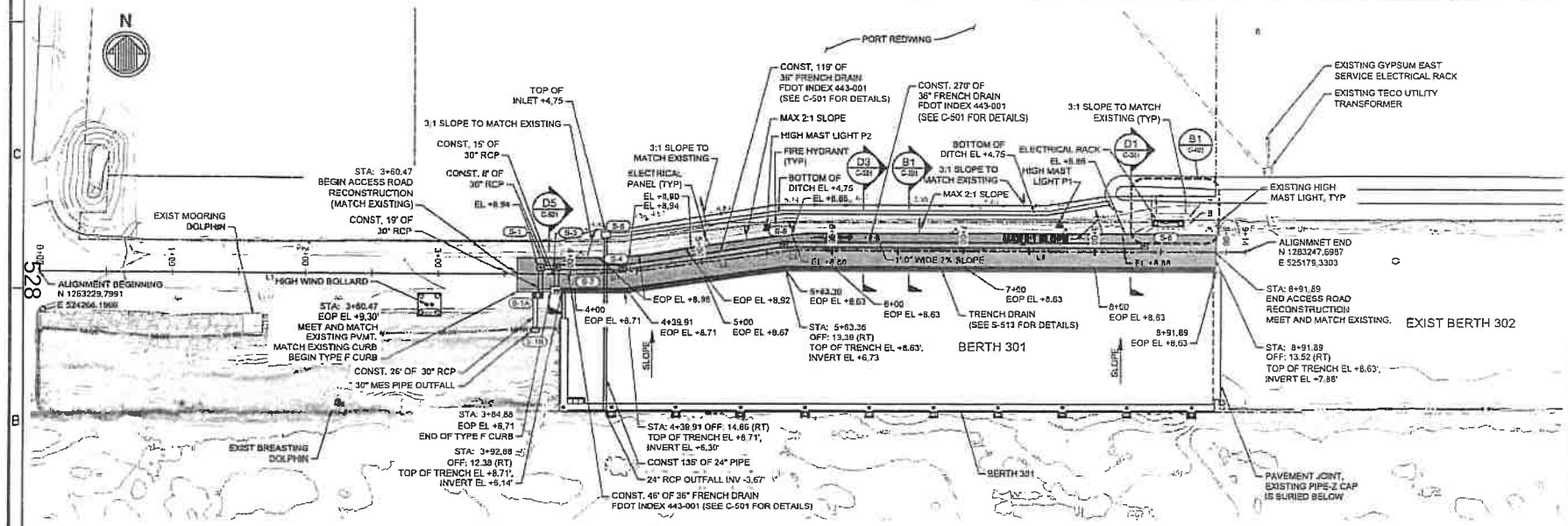
DRAWN: CSB DATE: 2024-11-21
CHECKED: JDC DATE: 2024-11-21
APPROVED: DWS DATE: 2024-11-21
PROJECT NO.: 21-00.073
SCALE: AS SHOWN
P.E. DRWG NO.:
SHEET NO.: C-001

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ALIGNMENT GEOMETRY TABLE

NUMBER	STATION	NORTHING	EASTING	BEARING	CHORD (FT)	R (FT)	Dc	L (FT)	T (FT)	DELTA
L1	0+00.00	1263229.80	524266.20	S89° 53' 45.32"E	-	-	-	392.62	-	-
C1	3+92.62 4+27.72 4+62.72	1263229.09 1263228.84 1263233.10	524658.81 524693.91 524728.76	N86° 43' 05.42"E	70.056	544.56	10° 32' 11"	70.10	35.101	7° 22' 34"
L2	4+62.72	1263233.10	524728.76	N81° 54' 33.57"E	-	-	-	87.27	-	-
C2	5+49.99 5+68.90 5+89.72	1263245.38 1263248.52 1263248.34	524815.15 524834.81 524854.72	N85° 42' 47.29"E	39.679	237.03	24° 21' 20"	39.73	19.909	9° 36' 10"
L3	5+89.72	1263248.34	524854.72	S89° 53' 09.84"E	-	-	-	324.81	-	-



S-1A STA: 3+75.41
OFF: 17.43 (R)
CONST MODIFIED STORM MANHOLE (SEE C-501 FOR DETAILS)
FDOT INDEX 425-001
TOP EL +9.30
INV = +1.80 (N)
INV = +1.50 (S)

S-1B **STA 3+72.68**
OFF: 44.24 (R)
CONST MITERED END SECTION
FDOT INDEX 430-021
TOP EL +4.75
INV = +1.00 (N)

S-1 STA: 3+77.37
OFF: -5.16 (L)
CONST STORM MANHOLE
FDOT INDEX 425-001
TOP EL +9.16
INV = +1.90 (S,E)

S-2 STA: 3+86.88
OFF: 13.39 (R)
CONST TRENCH DRAIN DROP INLET SEE S-513 FOR DETAILS
GRATE EL +8.71
INV = +3.60 (N)

S-3 STA: 3+89.56
OFF: -5.23 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.88
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (E,W)
INV = +2.50 (S)

S-4 STA: 4+39.85
OFF: -3.59 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.88
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W,E)

S-5 STA: 5+63.69
OFF: -5.22 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.80
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W,E)

S-6 STA: 8+37.98
OFF: -4.50 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.80
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W)

S-8 STA 4+28.24
OFF: 29.32 (L)
CONST DITCH BOTTOM INLET TYPE E
FDOT INDEX 425-052
TOP EL +4.75
INV = -2.75 (S)

NOTES

1. FOR MECHANICAL SETTING OUT POINTS SEE SHEET M-101.
2. FOR ELECTRICAL SETTING OUT POINTS SEE SHEETS E-401 THRU E-403.

LEGEND

- EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)
- PROPERTY LINE
- x FENCE
- ACCESS ROAD RECONSTRUCTION
- PROPOSED DITCH

SCALE: 1"=40'

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

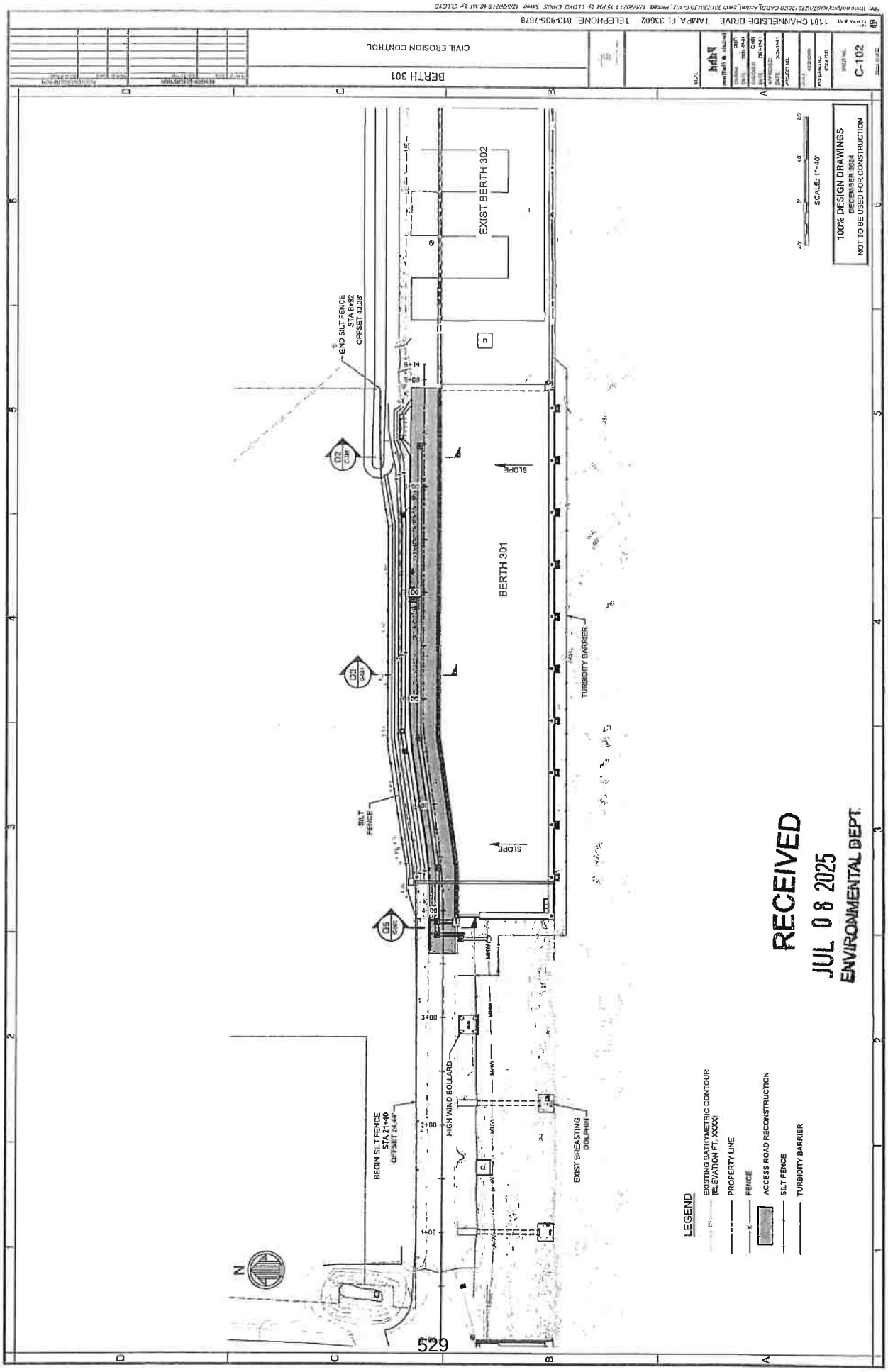
RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

BERTH 301
CIVIL SITE PLAN

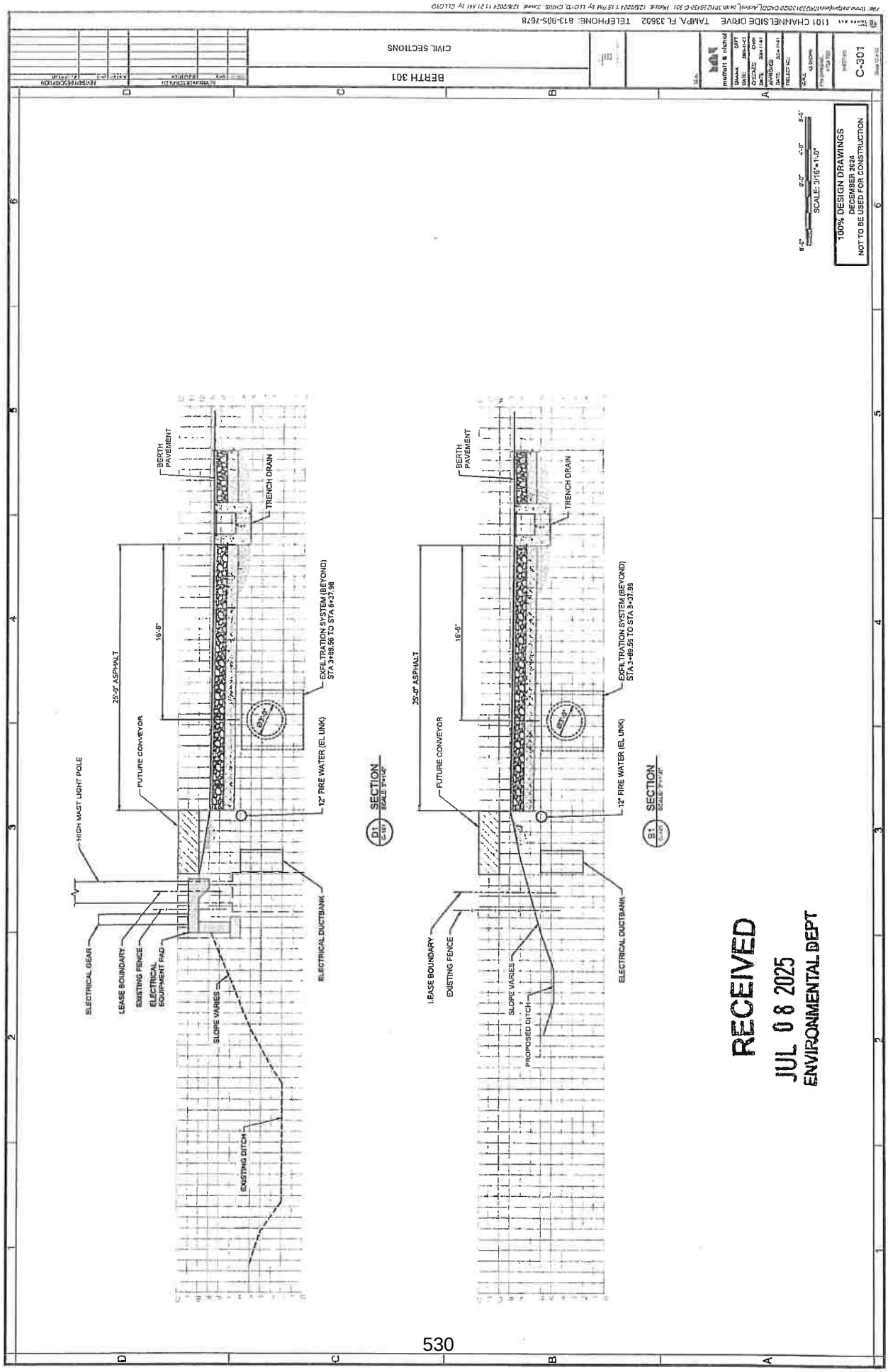
maffei & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7618

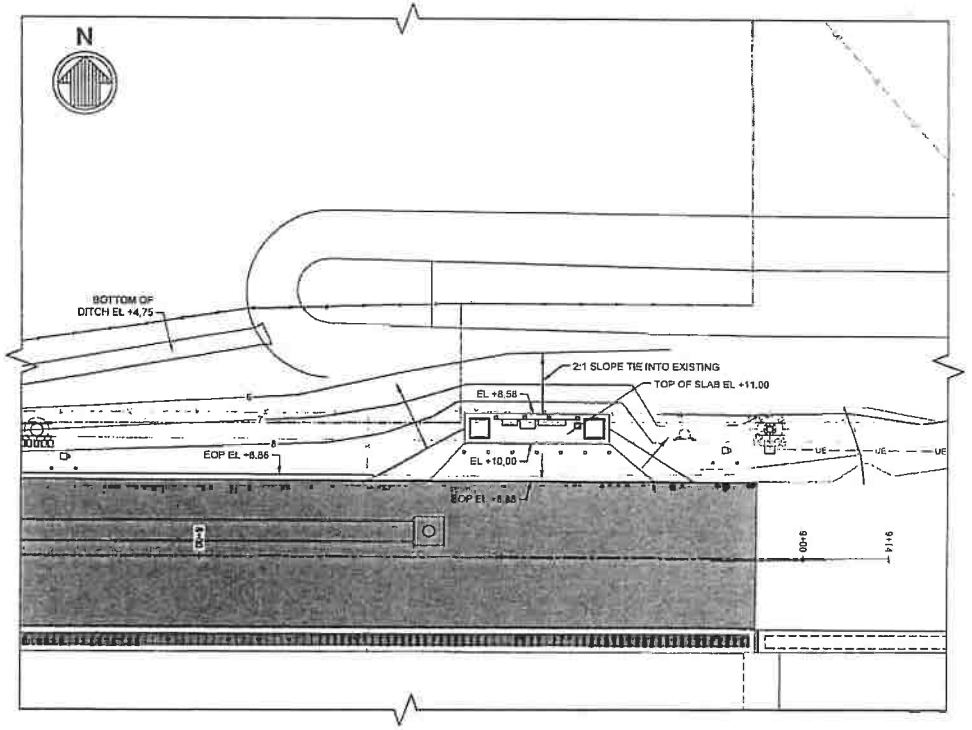
C-101

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





B1 / C-401 ENLARGED PLAN
SCALE: 1"=10'

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

SCALE: 1"=10'

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

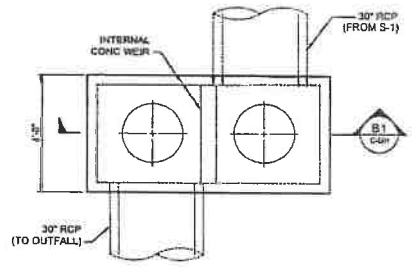
BERTH 301
CIVIL ENLARGED PARTIAL PLAN

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

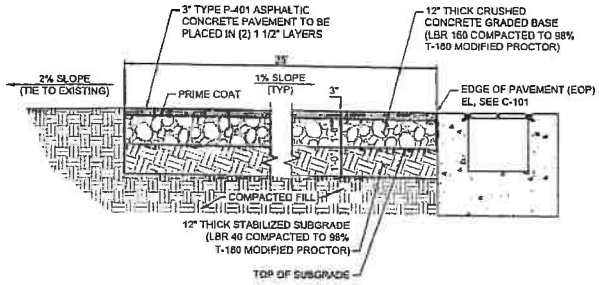
C-401

531

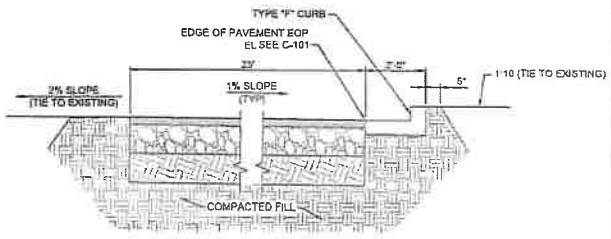
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



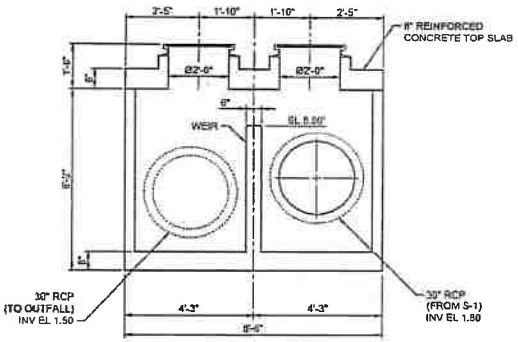
D1 C-101 PLAN - STRUCTURE S-1A
SCALE: 1/2" = 1'-0"



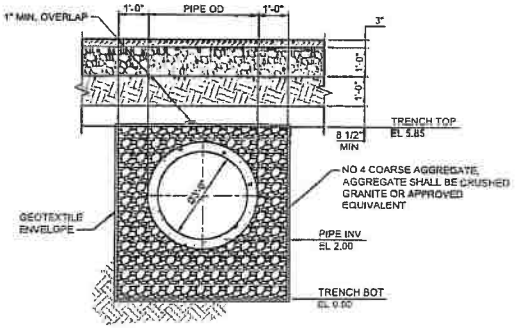
D3 C-101 TYPICAL SECTION - ACCESS ROAD STA 3+84.88 TO STA 8+91.89
SCALE: 1/2" = 1'-0"



D5 C-101 TYPICAL SECTION - ACCESS ROAD STA 3+60.47 TO STA 3+84.88
SCALE: 1/2" = 1'-0"



B1 C-501 SECTION - STRUCTURE S-1A
SCALE: 1/2" = 1'-0"



B3 C-101 SECTION - FRENCH DRAIN
SCALE: 1/2" = 1'-0"

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

SCALE: 1/2"=1'-0"

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
DRAINAGE & CIVIL DETAILS

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

C-501

532

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

DESIGN CRITERIA

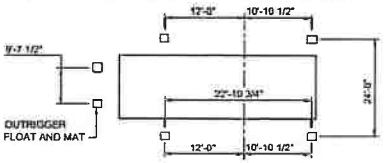
1. BASIC DESIGN WIND SPEED BASED ON MAXIMUM WINDS OF RECORD AND A 50-YEAR RETURN PERIOD.
2. MAXIMUM DESIGN WIND SPEED DURING VESSEL BERTHING OF 30 KNOTS (35 MPH). MAXIMUM DESIGN WIND SPEED OF 30 KNOTS WITH VESSEL AT BERTH. ABOVE 30 KNOTS, ALL CAPABLE VESSELS WILL BE PUT TO SEA.
3. MAXIMUM DESIGN TIDAL CURRENT OF 0.3 KNOTS (0.51 FEET PER SECOND).
4. ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
5. MINIMUM STRUCTURE SERVICE DESIGN LIFE OF 50 YEARS. FENDER DEVICES MUST HAVE A MINIMUM SERVICE DESIGN LIFE OF 10 YEARS.
6. DESIGN DREDGE DEPTH IS -48.66' NAVD 88 (-45.0' MLLW +2' OVERDREDGE)

DESIGN VESSELS

DWT	~60,000	
LENGTH OVERALL (m / ft)	189.98	656.1
LENGTH BETWEEN PERPENDICULARS (m / ft)	185	639.76
BEAM (m / ft)	32.24	105.77
DEPTH (m / ft)	19.15	62.83
SUMMER DRAFT (m / ft)	13.42	44.02
DESIGN DRAFT (m / ft)	11.8	38.7
BALLAST DRAFT (m / ft)	6	19.68
SUMMER DISPLACEMENT (mt / LT)	72,669	71,521
DISPLACEMENT AT MAX DRAFT (mt / LT)	63,883	62,874
SIDE WINDAGE AREA ABOVE DECK (m^2 / ft^2)	1,170	12,594
FRONTAL WINDAGE AREA ABOVE DECK (m^2 / ft^2)	415	4,467
MOORING LINE MBL (mt / klp)	85	187

VERTICAL DESIGN LOADS

1. UNIFORM LIVE LOADS WHARF DECK 1,000 PSF
2. P & H 300-TON (OR SIMILAR) TRUCK CRANE
   CAPACITY = 300 TON
   OUTRIGGER LOAD = 486 K
   CRANE MAT SIZE 10.5 FT x 10.5 FT
   MAX ALLOWABLE LOAD ON THE DECK IS 4.41 KIP/SQ FT
   MIN DISTANCE OF THE CRANE TO THE EDGE OF THE CAP = 5 FT



3. TRUCK LOADING IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES FOR AN HS25-44 TRUCK OR EQUIVALENT LOADING. TOTAL OF THREE AXLES; FRONT AXLE LOAD 10 KIPS, TWO REAR AXLES ARE 40 KIPS EACH FOR A TOTAL OF 90 KIPS. VEHICLE IMPACT ADDED IN ACCORDANCE WITH UFC 4-152-01.
4. SESCO CEMENT SIWERTELL 640M BULK UNLOADER. MIN DISTANCE OF THE CENTERLINE OF THE WATERSIDE AXLE TO WETTED FACE OF BULKHEAD = 17'-9".
5. CONVEYOR BELT AND HOPPER LOADING MIN DISTANCE TO WETTED FACE OF BULKHEAD = 10'-0".

LATERAL DESIGN LOADS

1. BERTHING FORCES BASED ON SHIP CRITERIA OUTLINED HEREIN, WITH BERTHING ENERGIES CALCULATED BASED ON A LOADED DISPLACEMENT, AS FOLLOWS:
   VESSEL DISPLACEMENT = 63,883 METRIC TON
   APPROACH VELOCITY = 0.30 FEET PER SECOND (NORMAL TO WHARF)
2. MOORING FORCES FROM BREASTING LINES AND SPRING LINES BASED ON SHIP CRITERIA OUTLINED HEREIN, WITH A 30 KNOT PER HOUR WIND VELOCITY.
3. LATERAL EARTH PRESSURE ON BULKHEAD WALL FROM UNIFORM LIVE LOAD AND SOIL BEHIND THE WALL.

LONGITUDINAL DESIGN LOADS

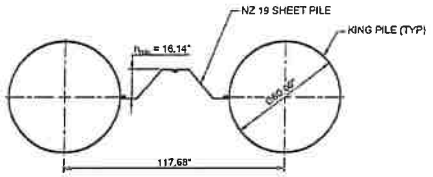
1. MOORING LINE FORCE FROM SPRING LINES OF THE DESIGN VESSEL WITH A 30 KNOT WIND VELOCITY AND PASSING VESSEL EFFECTS.
2. LONGITUDINAL COMPONENT OF BERTHING FORCE FROM THE DESIGN VESSEL SPECIFIED, AND A FENDER PANEL FACED WITH UHMW PLASTIC.

CONCRETE AND REINFORCING STEEL

1. MATERIALS, REINFORCEMENT, AND CONSTRUCTION MUST BE IN ACCORDANCE WITH FDOT SECTIONS 346, 400, AND 415 UNLESS OTHERWISE NOTED.
2. ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL MUST CONFORM TO THE LATEST EDITION OF THE "ACI MANUAL OF CONCRETE PRACTICE" INCLUDING BUT NOT LIMITED TO: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI SP-66 "ACI DETAILING MANUAL".
3. ALL REINFORCING BAR SPLICES ARE CLASS "B" TENSION LAP SPLICES IN ACCORDANCE WITH ACI 318-19, CHAPTER 12, UNLESS OTHERWISE NOTED.
4. PROVIDE CEMENT CONFORMING TO ASTM C150, TYPE II FOR EXTREMELY AGGRESSIVE ENVIRONMENT WITH SLAG OR FLY ASH. MAXIMUM W/C RATIO IS 0.40
5. ALL CAST-IN-PLACE CONCRETE IS NORMAL WEIGHT CONCRETE (145± PCF) UNLESS OTHERWISE NOTED.
6. MINIMUM CONCRETE COVER FOR STEEL REINFORCEMENT IS 3", UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. CONCRETE MUST CONTAIN CORROSION INHIBITING ADMIXTURE EUCON CIA OR APPROVED EQUAL.
8. COURSE AGGREGATES MUST CONFORM TO ASTM C33, NO 57.
9. PROVIDE 3/4", 45° CHAMFER ON ALL EXPOSED EXTERNAL CORNERS OF CONCRETE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
10. ALL JOINTS BETWEEN CAST-IN-PLACE CONCRETE AND HARDENED CONCRETE SHALL BE CLEANED AND ROUGHENED TO A 1/4" AMPLITUDE AND COATED WITH AN EPOXY BONDING COMPOUND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, UNLESS OTHERWISE NOTED.
11. CONCRETE MATERIALS MUST CONFORM TO THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH UNLESS OTHERWISE NOTED:
    A. CAST-IN-PLACE CONCRETE: 5500 PSI @ 28 DAYS (FDOT CLASS IV)
    B. CEMENTITIOUS GROUT: 8000 PSI @ 28 DAYS
    C. PRECAST CONCRETE: 6000 PSI @ 28 DAYS
12. CONCRETE REINFORCING MATERIALS MUST CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
    A. REINFORCEMENT AND DOWELS FOR CONCRETE: ASTM A 615, GR 60
    B. REINFORCEMENT TO BE WELDED: ASTM A 706, GR 60
13. NO MORE THAN 50% OF LAP SPLICES SHALL BE AT THE SAME LOCATION, STAGGER SPLICES.
14. TOP BAR LAP SPLICES SHALL NOT BE AT SUPPORT LOCATIONS.
15. BOTTOM BAR LAP SPLICES SHALL NOT BE AT THE CENTERLINE OF THE SPAN.
16. ALL DOWEL HOOKS AND BENDS MUST CONFORM TO THE LATEST EDITION OF THE "ACI MANUAL OF CONCRETE PRACTICE" INCLUDING BUT NOT LIMITED TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE AND ACI 318-19" BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
17. ALL UNFORMED CONCRETE SURFACES MUST BE GIVEN A WOOD FLOAT FINISH UNLESS OTHERWISE SPECIFIED.
18. REPAIR ALL SURFACE BLEMISHES IN CONCRETE WITHIN 24 HOURS AFTER FORM REMOVAL. PROVIDE CONSTRUCTION JOINTS IN THE BULKHEAD CAP AT 30' O.C. CONTINUOUS CONCRETE POUR LENGTH MUST NOT EXCEED 30'.
19. DO NOT PLACE FRESH CONCRETE AGAINST HARDENED CONCRETE THAT IS LESS THAN 7 DAYS OLD.
20. METAL CHAIRS ARE PROHIBITED. DO NOT PERMIT METAL TIES OR OTHER METALLIC MATERIAL TO PROTRUDE FROM THE SURFACE OF THE CONCRETE.
21. CURE CONCRETE USING CONTINUOUS MOISTURE AND/OR MEMBRANE CURING COMPOUND(S) IN ACCORDANCE WITH FDOT SECTIONS 400-16.1 AND 400-16.2.
22. PROVIDE NON-SHRINK GROUT IN ACCORDANCE WITH FDOT SECTION 934.
23. PROVIDE MECHANICAL REINFORCING BAR CONNECTORS WITH A MINIMUM 125% YIELD STRENGTH OF THE REINFORCING BAR.

COMBINATION WALL SYSTEM

1. STEEL COMBINATION WALL MUST HAVE A MINIMUM ELASTIC SECTION MODULUS, Sx OF 196.1 $IN.^3$/FT AND A MINIMUM MOMENT OF INERTIA, Ix OF 5882 IN. ^{4}/FT.
2. STEEL COMBINATION WALL DIMENSIONS



3. PILES AND SHEET PILES MUST BE DRIVEN TO THE MINIMUM TIP ELEVATIONS AND SERVICE CAPACITIES AS INDICATED:

PILE TYPE	SIZE	COMPRESSION CAPACITY (TONS)	TENSION CAPACITY (TONS)	LATERAL CAPACITY (TONS)	MIN TIP ELEV (FT)	ESTIMATED TIP ELEV (FT)
MAIN BULKHEAD KING PILE	60"x0.688"	81	N/A	N/A	-68	N/A
MAIN BULKHEAD SHEET PILE	NZ19*	N/A	N/A	N/A	-57.5	N/A
RETURN COMBI WALL KING PILE	60"x0.688"	N/A	N/A	N/A	-68	N/A
RETURN COMBI WALL SHEET PILE	NZ19*	N/A	N/A	N/A	-57.5	N/A
RETURN WALL @ SSP WITH TIE ROD	NZ19*	N/A	N/A	N/A	-16	N/A
HIGH WIND BOLLARD PIPE PILE	42"x0.5"	115	97	97	-36	-60

*OR APPROVED EQUIVALENT WITH A MINIMUM ELASTIC SECTION MODULUS OF 35.08 IN^4/FT

4. ALL PILES SHALL BE DRIVEN TO REQUIRED CAPACITY BASED ON DRIVING CRITERIA ESTABLISHED BY THE TEST PILE PROGRAM, BUT UNDER NO CIRCUMSTANCES SHALL THE PILE TIP ELEVATION BE HIGHER THAN THE MINIMUM EMBEDMENT DEPTH INDICATED. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY PILES THAT DO NOT REACH THE REQUIRED PILE TIP ELEVATION.
5. COAT STEEL IN ACCORDANCE WITH THE FDOT SPECIFICATIONS. ADDED PRECAUTIONS MUST BE TAKEN TO MINIMIZE DAMAGE TO THE PILE COATING SYSTEM DURING HANDLING AND DRIVING. REPAIRS TO THE PILE COATING SYSTEM MUST BE MADE AS SOON AS POSSIBLE AFTER THE DAMAGE OCCURS
6. STEEL SHEET AND KING PILE ELEMENTS OF THE COMBINATION WALL SYSTEM MUST BE DRIVEN TO THE MINIMUM TIP ELEVATION INDICATED USING A HAMMER OF AN APPROVED TYPE, WITH A CAPACITY AT LEAST EQUAL TO THE HAMMER MANUFACTURER'S RECOMMENDATION FOR THE TOTAL WEIGHT OF THE PILING SYSTEM AND CHARACTERISTICS OF SUBSURFACE MATERIAL TO BE ENCOUNTERED.
7. STEEL USED FOR THE COMBINATION WALL SYSTEM MUST BE HEAVY GAUGE HOT-ROLLED SECTION WITH FULL INTERLOCKING SHEETS CONFORMING TO ASTM A572, GRADE 60 (Fy=60 KSI) WITH A MINIMUM 3/8" THICKNESS UNLESS OTHERWISE NOTED.
8. CONTRACTOR MUST VERIFY COORDINATES & GEOMETRY PRIOR TO DRIVING STEEL PILES FOR THE COMBINATION WALL SYSTEM.
9. STEEL SHEET PILES AND PIPE PILES MUST BE SANDBLASTED TO A NEAR WHITE FINISH (SSPC SP10).
10. COAT ALL PILING PER FDOT SECTION 560.
11. COATING MUST EXTEND FROM 1-FT ABOVE THE BOTTOM ELEVATION OF THE BULKHEAD CAP FASCIA OR AT THE TOP OF THE PIPE PILES AT THE HIGH WIND BOLLARD TO 5-FT BELOW FUTURE DREDGE DEPTH OF -45.0 MLLW +2.0 OVERDREDGE ALLOWANCE. COATING IS ONLY REQUIRED ON WATERSIDE FACE OF SSP/PIPE PILE WALL ELEMENTS.
12. PILE DRIVING TOLERANCES:
    a. TOP OF PILE AT CUTOFF ELEVATION MUSTL BE WITHIN 3" HORIZONTALLY AND "VERTICALLY OF PLAN LOCATION. MANIPULATION OF PILES TO FORCE THEM INTO POSITION IS NOT BE PERMITTED.
    b. PLACE PILES PLUMB WITH OUT-OF PLUMBNESS NOT EXCEEDING 1 /4" PER FOOT OF LENGTH AND TRUE TO LINE.
    c. CHECK ALL PILE FOR HEAVE. RE-DRIVE ALL HEAVED PILES TO THE TIP ELEVATION INDICATED.
13. DRIVE SHEET PILING IN ACCORDANCE WITH FDOT SPECIFICATION 455-9. DRIVE STEEL PIPE PILING IN ACCORDANCE WITH FDOT SPECIFICATION 455-8.
14. TAKE ADDED PRECAUTIONS TO MINIMIZE DAMAGE TO THE PILING COATING SYSTEMS DURING DRIVING AND ALSO DURING CONCRETE PLACEMENT. IF REQUIRED, MAKE REPAIRS TO THE PILING COATING SYSTEM AS SOON AS POSSIBLE AFTER THE DAMAGE OCCURS. SUBMIT REPAIR METHODS FOR ENGINEER-REVIEW AND PRE-APPROVAL TO MINIMIZE SITE DELAYS.
15. MAINTAIN PILE DRIVING LOGS FOR ALL PILES.
16. SUBMIT PILE HAMMER DATA FOR REVIEW BY THE ENGINEER.
17. COORDINATE PILE DRIVING SCHEDULE SO AS NOT TO INTERFERE WITH OR BE DETRIMENTAL TO THE CONCRETE PLACEMENT AND CURING.
18. PREPARE TO DRIVE PILING THROUGH LIMESTONE LAYERS. REFER TO GEOTECHNICAL REPORT.
19. PROVIDE LAYOUT OF PILING INCLUDING PIPES, STEEL SHEETS, AND CONNECTORS ENSURING BEST FIT TO DESIGN ALIGNMENTS TO ENGINEER FOR REVIEW.
20. SUBMIT PROPOSED CONSTRUCTION SEQUENCING PLAN DETAILING, INSTALLATION TECHNIQUES, QUALITY CONTROL, EQUIPMENT AND BULKHEAD CONSTRUCTION PHASING TO THE ENGINEER FOR REVIEW PRIOR TO INITIATING CONSTRUCTION.
21. ENSURE BACKFILLING AND TIE-ROD TENSIONING PROCEDURES DO NOT INDUCE EXCESSIVE DEFLECTIONS INTO THE WALL.
22. JETTING IS PROHIBITED.
23. PROVIDE A GEOTECHNICAL ENGINEER WITH AT LEAST THREE YEARS EXPERIENCE TO PERFORM PILE DRIVING ANALYZER, PERFORM PDA TESTING ON TWO (2) BULKHEAD PIPE PILES AND ONE (1) BOLLARD STRUCTURE PILE.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

533

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

BERTH 301
STRUCTURAL NOTES (1 OF 2)

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

moffatt & nichol

DRAWN: CW DATE: 2024-11-01
CHECKED: AGO DATE: 2024-11-01
APPROVED: CWS DATE: 2024-11-01

AS SHOWN

S-001

Sheet 22 of 58

FILE: I:\PROJECTS\A2207\0200\CAD\Sheet_Sets\20250304_1152PM_by_CLOYD_Saved_11/8/2024 9:01 AM by CLOYD

STRUCTURAL AND MISCELLANEOUS STEEL

1. ALL STEEL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (AISC 360) AND FDOT SECTION 460.
2. ALL STRUCTURAL STEEL SHAPES, PLATES, BARS, FABRICATIONS, BOLTS AND ALL HARDWARE EXCEPT STAINLESS STEEL MUST BE ZINC-COATED OR GALVANIZED BY THE HOT-DIPPED PROCESS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A123 AND/OR A153 AS APPLICABLE, AFTER FABRICATION, UNLESS OTHERWISE NOTED.
3. HOT-DIP GALVANIZE TIE-RODS, COUPLERS, AND MISCELLANEOUS PLATES ON THE TIE BACK SYSTEM AFTER FABRICATION.
4. FIELD TREAT DAMAGED GALVANIZED FINISH WITH TWO COATS OF HIGH ZINC DUST OXIDE PAINT, COLD GALVANIZING COMPOUNDS, OR APPROVED EQUAL CONFORMING TO THE REQUIREMENTS OF ASTM A780. IN ADDITION, ALL EXPOSED THREADED SURFACES MUST BE PAINTED WITH TWO COATS OF HIGH-ZINC-DUST OXIDE PAINT AFTER INSTALLATION OF NUT.
5. PERFORM WELDING BY CERTIFIED WELDERS ONLY. WELD ALL JOINTS IN ACCORDANCE WITH AWS D1.1 OR AWS D3.6, AS APPLICABLE. MAKE ALL WELDED CONNECTIONS USING SHIELDED METAL ARC PROCESS (OR APPROVED EQUAL) WITH ELECTRODES CONFORMING TO DESIGNATION E70XX.
6. DO NOT PERFORM WELDING ON THE TIE-RODS WITHOUT APPROVAL FROM THE ENGINEER.
7. INSTALL ADHESIVE ANCHORS IN ACCORDANCE WITH FDOT SECTION 416 TYPE HSHV.
8. INSTALL ANCHOR BOLTS IN ACCORDANCE WITH FDOT SECTION 460-30.
9. PERFORM PULL OUT TESTS ON 10% OF EACH TYPE OF ANCHOR. TEST ANCHORS TO 125% OF THE CAPACITY OF THE ANCHOR IN TENSION

STEEL

MATERIALS:

1. STEEL SHEET PILING AND PIPE PILING	ASTM A572, GRADE 50
2. PLATES, BARS, FABRICATIONS, HARDWARE	ASTM A572, GRADE 50, UON
3. FASTENERS	ASME/ANSI B18.2.2 & ASTM F3125-ASTM A325
4. TIE RODS	ASTM A615, GR 75 UON
5. THREADED ANCHOR BOLTS	ASTM F1554 GR 105, HDG, UON
6. WELDED STUDS	ASTM A108
7. FENDER SYSTEM HARDWARE	ASTM A572, HDG
8. PIPE	ASTM A53, GRADE B
9. BOLTS	ASTM A325
10. NUTS	ASTM A563
11. WASHERS	ASTM F436

TIMBER

1. TIMBER CURBS AND BLOCKING MUST BE SOUTHERN YELLOW PINE, PRESSURE TREATED.
2. TIMBER DIMENSIONS INDICATED ON DRAWINGS ARE NOMINAL DIMENSIONS.

TIE RODS & TIE ROD ASSEMBLIES

1. TIE RODS MUST BE GRADE 75 KSI, ASTM A615 HOT DIP GALVANIZED OR APPROVED EQUAL.
2. TIE RODS AND TIE ROD ASSEMBLIES MUST BE HOT DIP GALVANIZED.

WELDING

1. UNDERWATER WELDING MUST BE IN ACCORDANCE WITH AWS D3.6.
2. STRUCTURAL WELDING MUST BE PERFORMED BY AWS CERTIFIED WELDERS.
3. WELDS MUST BE VISUALLY INSPECTED BY AWS CERTIFIED WELDING INSPECTORS.
4. WELDED CONNECTIONS MUST BE PRE-QUALIFIED IN ACCORDANCE WITH AWS D1.1 AND MADE USING THE SHIELDED METAL ARC PROCESS (OR ENGINEER APPROVED EQUAL) WITH ELECTRODES CONFORMING TO E70XX.

BACKFILL PLACEMENT PROCEDURES

1. CONTRACTOR MUST SUBMIT A BULKHEAD CONSTRUCTION SEQUENCING PLAN DETAILING THE INTENDED ORDER OF CONSTRUCTION. THE PLAN MUST BE SUBMITTED PRIOR TO COMMENCING PILE DRIVING.
2. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY BRACING AND SUPPORTING ALL STRUCTURAL COMPONENTS DURING BACKFILLING AND CONSTRUCTION OPERATIONS.

BACKFILL

1. MATERIAL MUST CONTAIN LESS THAN 12% BY WEIGHT MATERIAL PASSING THE U.S. STANDARD SIEVE NO. 200 AND MUST ALSO BE FREE OF CLAY LUMPS AND OTHER DELETERIOUS MATERIALS.

FENDER SYSTEM

1. FENDERS MUST BE RUBBER CONE FENDERS WITH STEEL FENDER PANELS WITH UHMW-PE RUBBING SURFACE.
2. PERFORMANCE (AT 72% COMPRESSION):
   a. ENERGY ABSORPTION: 383 KIP-FT ±10%
   b. REACTION: 230 KIPS ±10%
3. CHAIN MUST BE ABS GRADE 2, OPEN LINK GALVANIZED CHAIN (STUDLESS) AS PER FEDERAL SPECIFICATIONS FS RR-C-271D.
4. SHACKLES MUST BE FS RR-C-271D TYPE IVA, GRADE A, CLASS 2, WITH STAINLESS STEEL MOUSING WIRE, OR CLASS 3 WITH STAINLESS STEEL COTTER PINS. THE BOWS AND PINS MUST BE GALVANIZED AND OF MILD-STEEL.
5. UHMW-PE PAD MUST PROVIDE A LOW-FRICTION NON-SPARKING PROTECTIVE FACING, HAVE A MINIMUM WEAR SURFACE OF 1/2 INCH, AND BE UV-STABILIZED.

PROPERTIES:

a. MIN TENSILE YIELD STRENGTH (ASTM D638)..... ....3,000 PSI
b. IZOD IMPACT (ASTM D256, METHOD A)..... .....18 FT-LBS/IN
c. MAX COEFFICIENT OF FRICTION (ASTM D1894).. .....0.20

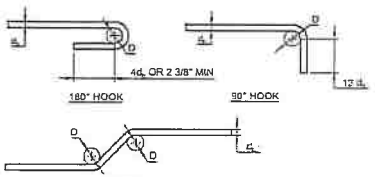
MOORING FITTINGS

1. MOORING FITTINGS MUST BE STRESS-RELIEVED CAST STEEL CONFORMING TO ASTM A27, GRADE 65-35 OR DUCTILE CAST IRON CONFORMING TO ASTM A536 GRADE 65.
2. MINIMUM SAFE WORKING LOADS OF BOLLARDS MUST BE AS INDICATED ON DRAWINGS, IN THE DIRECTION OF -45 TO 45 DEGREES RELATIVE TO HORIZONTAL AND 0 TO 180 DEGREES RELATIVE TO THE FACE OF THE WHARF AND BOLLARD STRUCTURES.
3. THE FACTOR OF SAFETY AGAINST YIELDING MUST BE GREATER THAN OR EQUAL TO 2.0. THE FACTOR OF SAFETY AGAINST FRACTURE MUST BE GREATER THAN OR EQUAL TO 3.0.
4. ANCHOR BOLTS MUST CONFORM TO ASTM A449 OR F1554, GRADE 105.
5. PROVIDE HEAVY HEX NUTS CONFORMING TO ASTM A563, GRADE DH. PROVIDE WASHERS CONFORMING ASTM A436.
6. FILL INTERIOR CAVITY OF MOORING FITTINGS WITH NON-SHRINK CEMENTITIOUS GROUT WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 8000 PSI.
7. COAT BOLLARDS WITH A THREE-PART PAINT SYSTEM COMPRISED OF AN ORGANIC ZINC EPOXY PRIMER (BETWEEN 3.0 AND 5.0 MILS DFT) AND CYCLOALIPHATIC AMINE EPOXY OR POLYAMIDE BISPHENOL EPOXY INTERMEDIATE AND TOP COAT (4.0 TO 6.0 MILS DFT EACH).
8. PROVIDE ALL ANCHORAGE HARDWARE HOT DIPPED GALVANIZED

SUBMITTALS

TIE CONTRACTOR MUST PROVIDE WORK PLANS, SHOP DRAWINGS, PRODUCT SUBMITTALS AND/OR CATALOG CUT SHEETS FOR THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. REFER TO DRAWING NOTES FOR ADDITIONAL REQUIREMENTS.

1. PRELIMINARY SUBMITTALS:
   a. SCHEDULE OF COMPLETION OF WORK (TO BE UPDATED WEEKLY)
   b. LIST OF SUBMITTALS
   c. CONTRACTOR WORK PLAN AND METHODOLOGY
   d. DEMOLITION METHODS AND WORK PLAN
   e. SEQUENCE OF CONSTRUCTION
   f. SAFETY PLAN
2. CONCRETE
   a. CONCRETE MIX DESIGN FROM FDOT APPROVED CONCRETE BATCH PLANT OR EACH MIX DESIGN MUST INCLUDE THE FOLLOWING:
      i. ADMIXTURE DATA SHEETS
      ii. AGGREGATE TEST DATA
      iii. COMPRESSIVE STRENGTH TEST RESULTS
      iv. CONCRETE BATCH TEST RESULTS
      v. CEMENT MILL CERTIFICATE
      vi. POZZOLAN MILL CERTIFICATE
      vii. WATER
      viii. COMPRESSIVE STRENGTH
      ix. CORROSION INHIBITOR
   b. REINFORCING STEEL SHOP DRAWINGS
   c. FORMWORK SHOP DRAWINGS
   d. CURING MATERIAL AND METHODS
   e. EPOXY BONDING COMPOUND DATA SHEETS
   f. CONSTRUCTION JOINT LOCATION PLAN AND MATERIAL
   g. FIELD VERIFICATION TEST RESULTS
3. BULKHEAD
   a. WORK PLAN
   b. BULKHEAD ALIGNMENT PLAN
   c. SHOP DRAWINGS FOR ALL PILING AND CONNECTIONS
   d. PILE DRIVING EQUIPMENT AND METHODS
   e. MATERIAL TEST REPORTS FOR ALL MATERIALS
   f. DRIVING RECORDS
   g. COATING PRODUCT DATA
   h. HOLIDAY AND DRY FILM THICKNESS TEST RESULTS
   i. GROUT SOCK DATA AND INSTALLATION METHOD
4. EARTHWORK
   a. BULKHEAD FILL MATERIAL
   b. ASPHALT, BASE, SUBBASE
5. STRUCTURAL AND MISCELLANEOUS STEEL
   a. MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. SHOP DRAWINGS
      i. WALE AND SPLICES
      ii. PLATES, BARS, AND FASTENERS
      iii. ANCHOR BOLTS
      iv. TIE ROD BAR
      v. TIE ROD EYE LINK
      vi. T-BAR CONNECTOR
   c. WELDER QUALIFICATIONS
   d. WELD PROCEDURES AND QUALIFICATIONS
   e. MANUFACTURER DATA FOR ADHESIVE ANCHOR BONDING MATERIAL
6. CATHODIC PROTECTION
   a. SYSTEM SHOP DRAWINGS
   b. INSTALLATION METHODS AND WORK PLAN
   c. SHOP DRAWINGS OF PROPOSED SYSTEM
7. MOORING BOLLARDS
   a. PRODUCT DATA AND MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. DESIGN CALCULATIONS FOR EACH FITTING
   c. SHOP DRAWINGS OF EACH BOLLARD AND ASSOCIATED CONNECTING HARDWARE
8. MARINE FENDER SYSTEMS
   a. PRODUCT DATA AND MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. DESIGN CALCULATIONS
   c. SHOP DRAWINGS OF SYSTEM AND ASSOCIATED CONNECTING HARDWARE
9. VIBRO-COMPACTION
   a. SHOP DRAWINGS INDICATING SPACING AND LOCATION OF VIBRO-POINTS.
   b. DAILY LOG INCLUDING PROBE NUMBER, START/FINISH TIME, DEPTH OF TREATMENT, AND APPROXIMATE BACKFILL QUANTITIES.
   c. GRAIN SIZE DISTRIBUTION ANALYSIS OF PROPOSED BACKFILL.
   d. PROPOSED WORK PLAN INCLUDING EQUIPMENT.
   e. COMPLETION REPORT BY TESTING FIRM WITH REQUIRED TEST RESULTS
10. PRECAST CONCRETE-STORM DRAIN SYSTEM
    a. SHOP DRAWINGS
    b. DESIGN CALCULATIONS



NOTES:

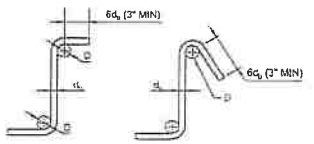
D=6d_b FOR #3 THRU #8

D=8d_b FOR #9 THRU #11

D=10d_b FOR #14 THRU #18

TYPICAL REINFORCING HOOKS

SCALE: NTS



BAR SIZE	#3	#4	#5	#6	#7	#8
D	1 1/2"	2"	2 1/2"	4 1/2"	5 1/4"	6"

TYPICAL STIRRUP AND TIE HOOKS

SCALE: NTS

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301

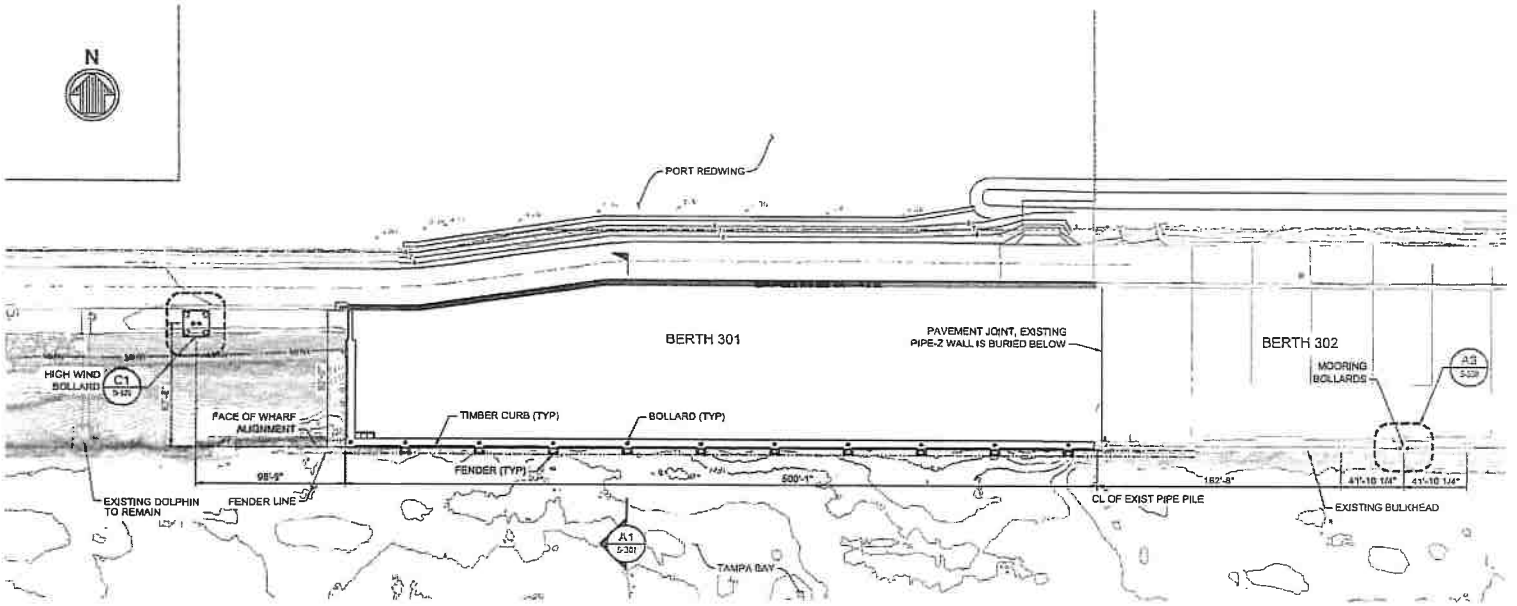
STRUCTURAL NOTES (2 OF 2)

mottaff & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

S-002

534

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



535

LEGEND

- EXISTING TOPOGRAPHIC CONTOUR (ELEVATION FT, XXXX)
- EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)
- PROPERTY LINE
- CHANNEL LIMITS
- FACE OF WHARF ALIGNMENT
- FENDER ALIGNMENT

NOTES:

1. REFER TO GENERAL NOTES FOR SURVEYS USED IN THIS DRAWING.

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

40'-0" 0'-0" 40'-0" 80'-0"
SCALE: 1"=40'

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
WHARF STRUCTURAL SITE PLAN

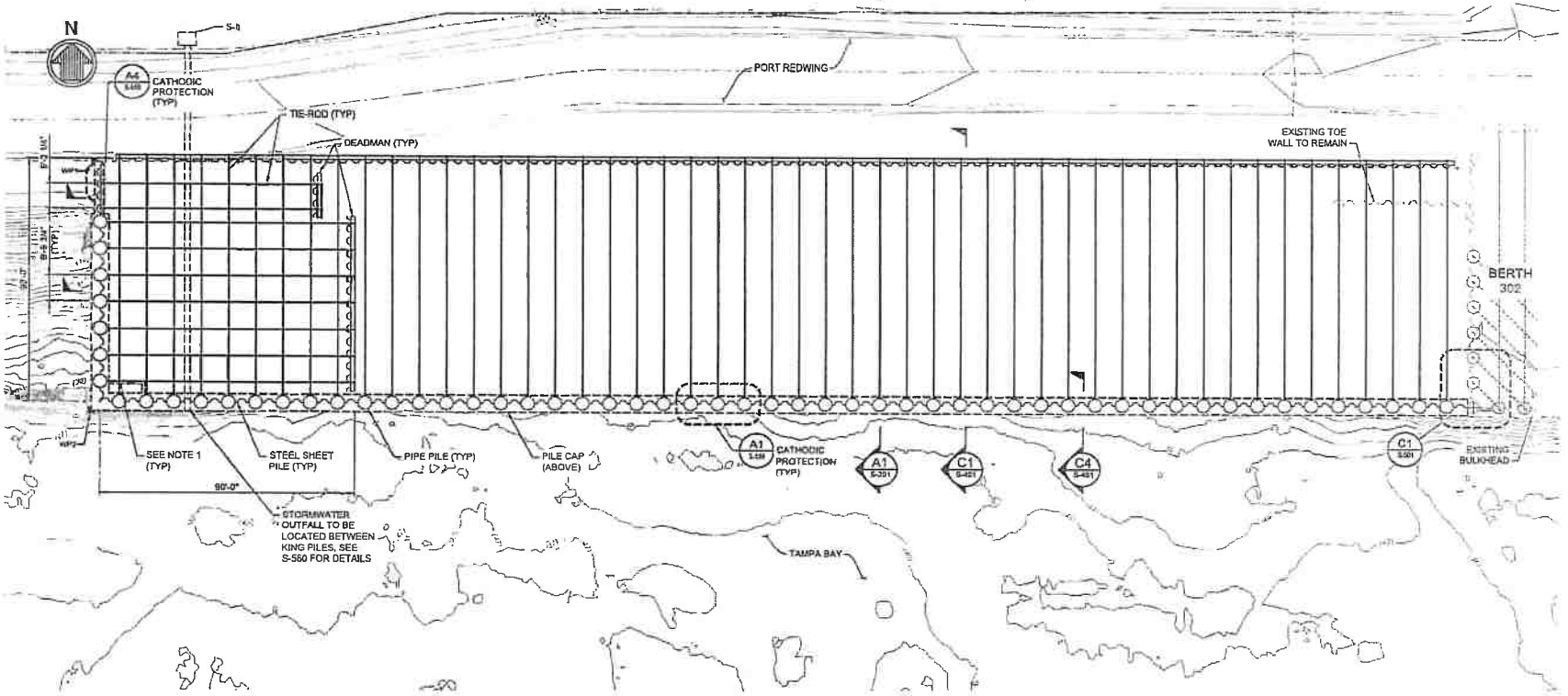
moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

DRAWN: CJJ
CHECKED: DG
APPROVED: GHS
PROJECT NO.: 25-0020
SCALE: AS SHOWN
PTB DWG NO.:

S-101

Sheet 24 of 52

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



NOTES

1. ENSURE A MIN 3" CLEAR SPACING BETWEEN CROSSING TIE RODS.

WORKING POINTS		
POINT #	NORTHING	EASTING
WP1	1263213.6514	524659.2686
WP2	1263121.6354	524658.1483
WP3	1263213.0257	524550.6634
WP4	1263195.5257	524568.1634

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

20'-0" 0'-0" 20'-0" 40'-0"
SCALE: 1"=20'

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
WHARF PILE PLAN

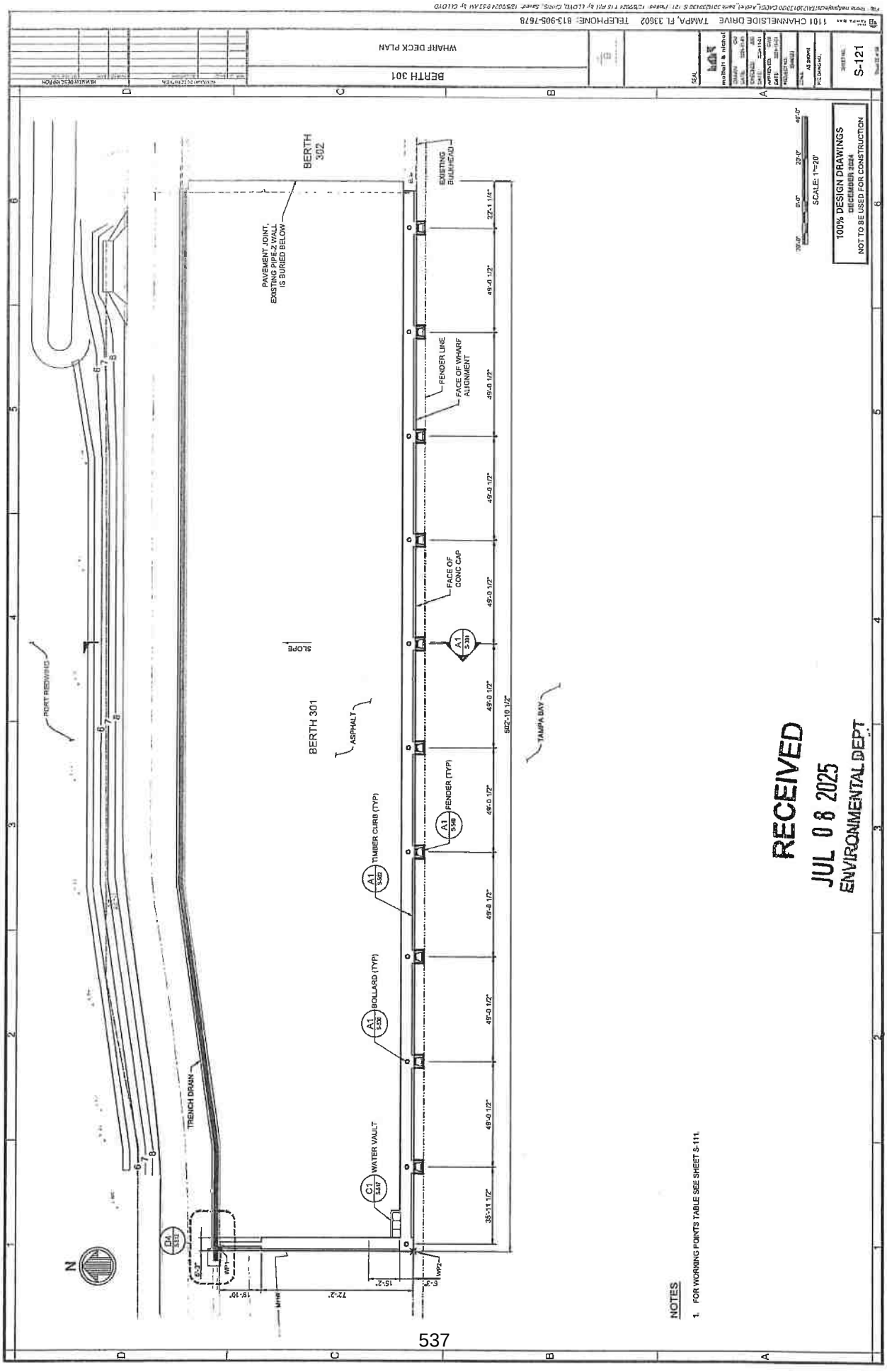
m-affoti & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813.905-7678

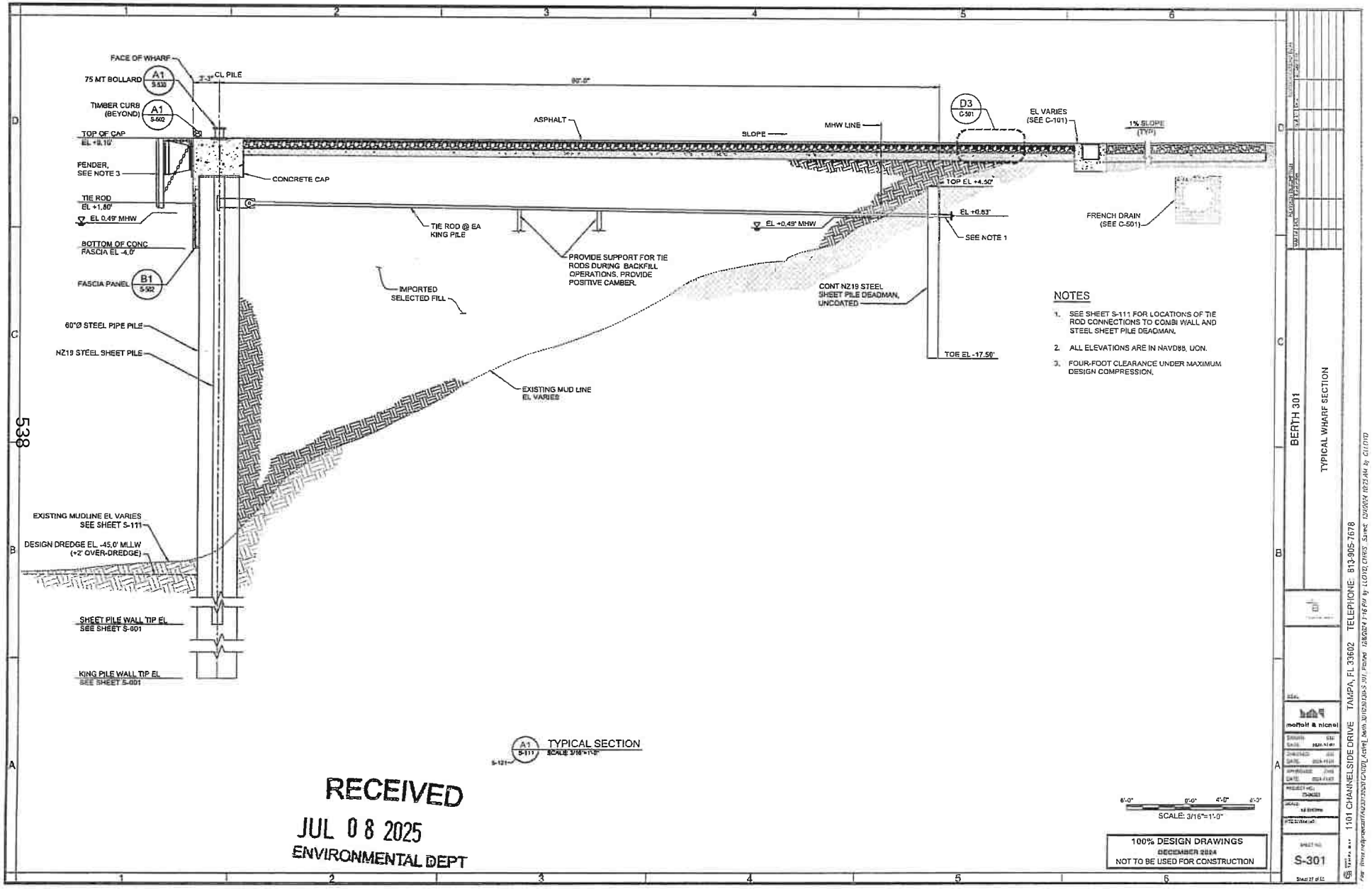
DRAWN: CM
DATE: 2024-11-01
CHECKED: JCD
DATE: 2024-11-01
APPROVED: DWS
DATE: 2024-11-01
PROJECT NO.: 23-0102
SCALE: AS SHOWN
FILE NAME: N/A
SHEET NO.: S-111
Sheet 23 of 33

File: I:\mn-projects\TA\2023\2309\CAD\0_Acad_both 2B0330_S-111 Plotted: 12/6/2024 1:16 PM by LLOYD CHRIS Saved: 12/3/2024 9:47 AM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



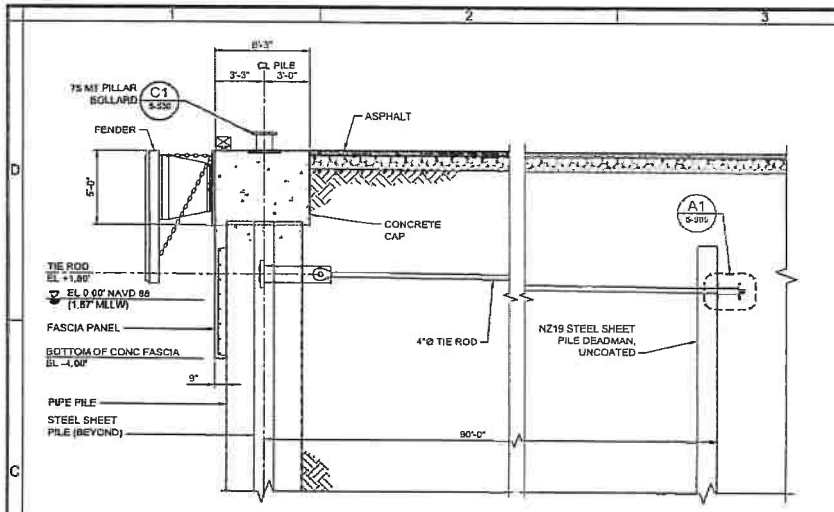


538

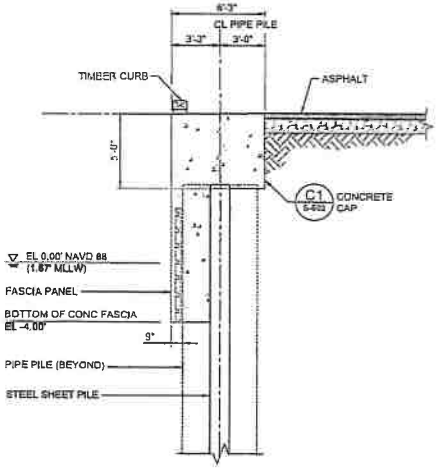
RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

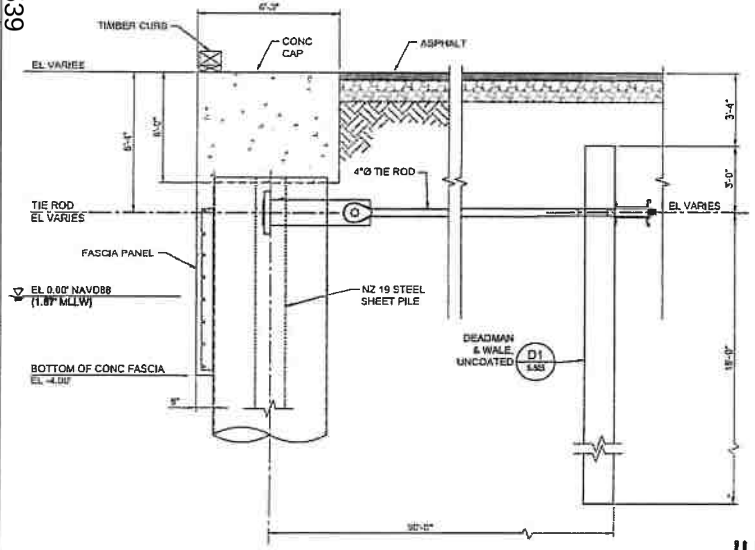
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



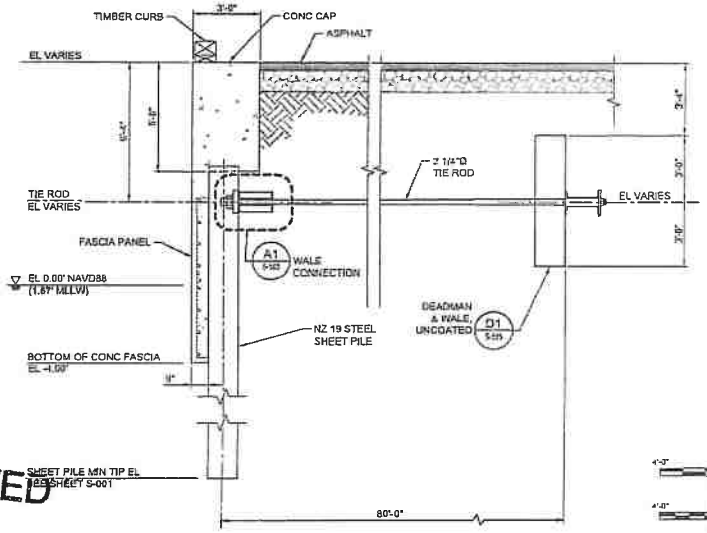
C1 S-111 SECTION AT PIPE PILE
SCALE: 1/4" = 1'-0"



C4 S-111 SECTION AT SSP
SCALE: 1/4" = 1'-0"



A1 S-111 SECTION - RETURN WALL AT KING PILE
SCALE: 3/8" = 1'-0"



A4 S-111 SECTION - RETURN WALL AT SSP
SCALE: 3/8" = 1'-0"

SCALE: 3/8"=1'-0"

SCALE: 1/4"=1'-0"

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

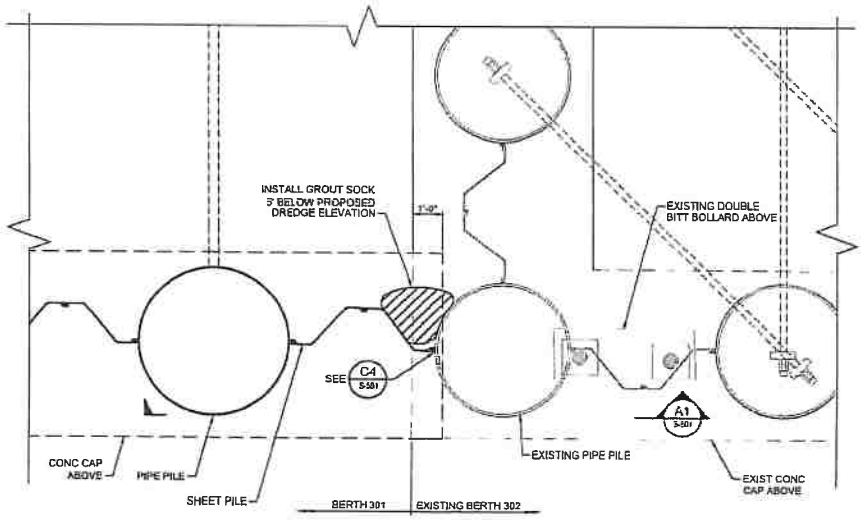
RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

539

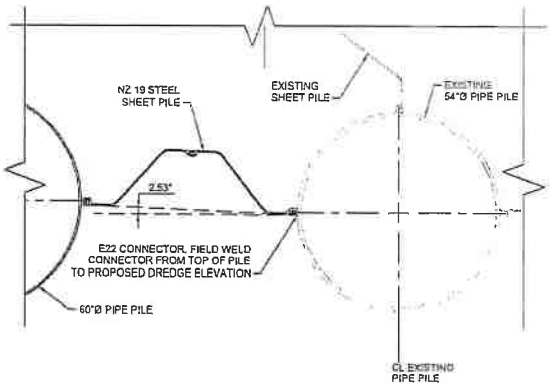
BERTH 301
ENLARGED WHARF SECTIONS

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

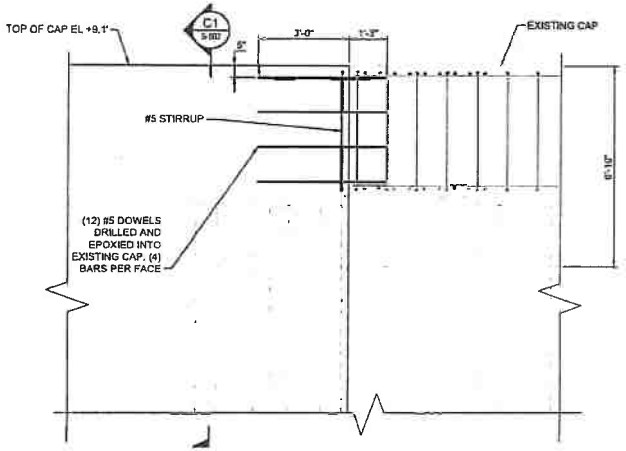
S-401



C1 S-111 DETAIL - GROUT SOCK
SCALE: 1/2" = 1'-0"



C4 S-501 DETAIL - SHEET PILE CONNECTION
SCALE: 3/4" = 1'-0"



A1 S-501 SECTION
SCALE: 1/2" = 1'-0"

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

SCALE: 3/4"=1'-0"

SCALE: 1/2"=1'-0"

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
BULKHEAD CONNECTION DETAILS

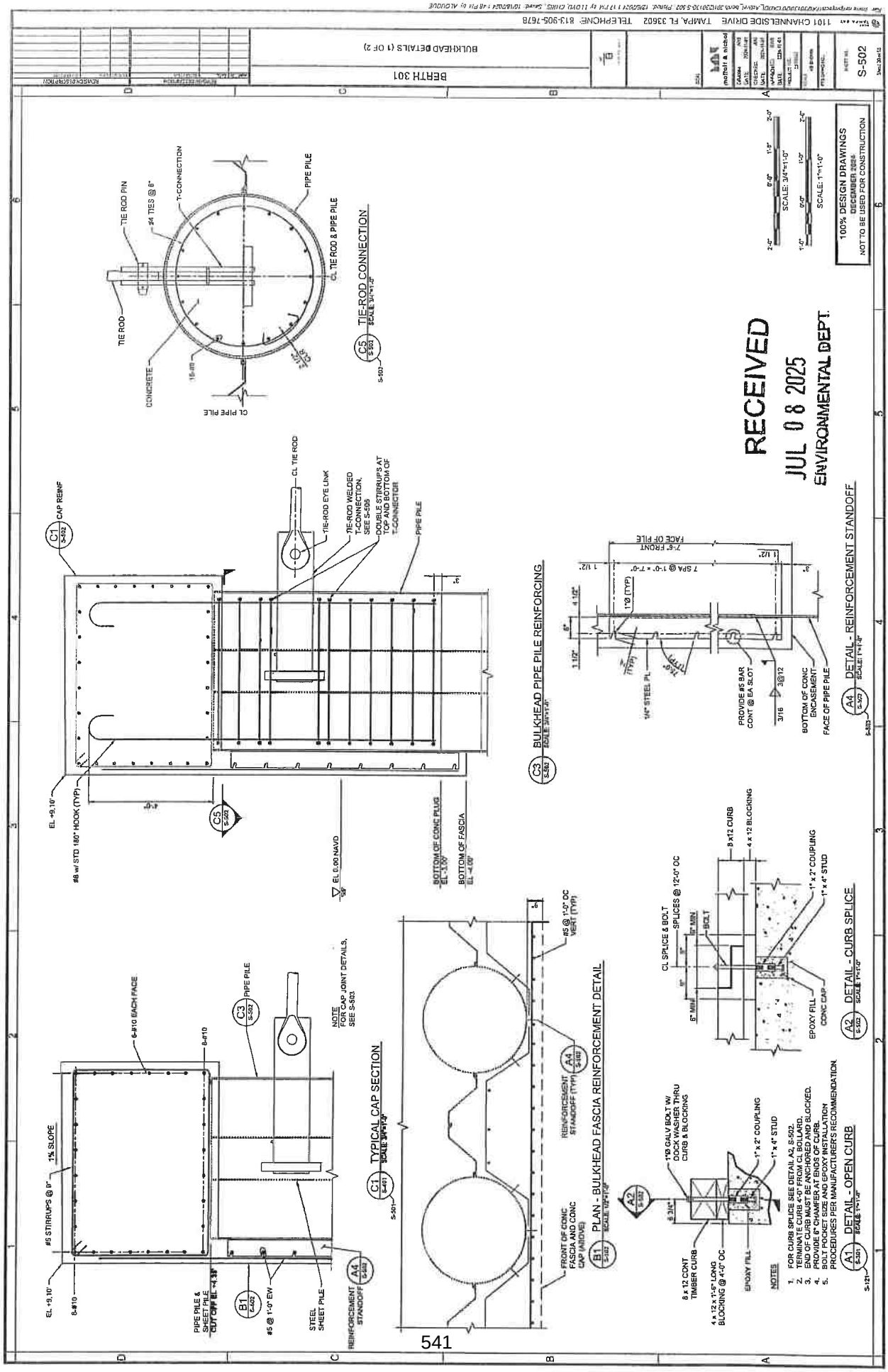
S-501

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

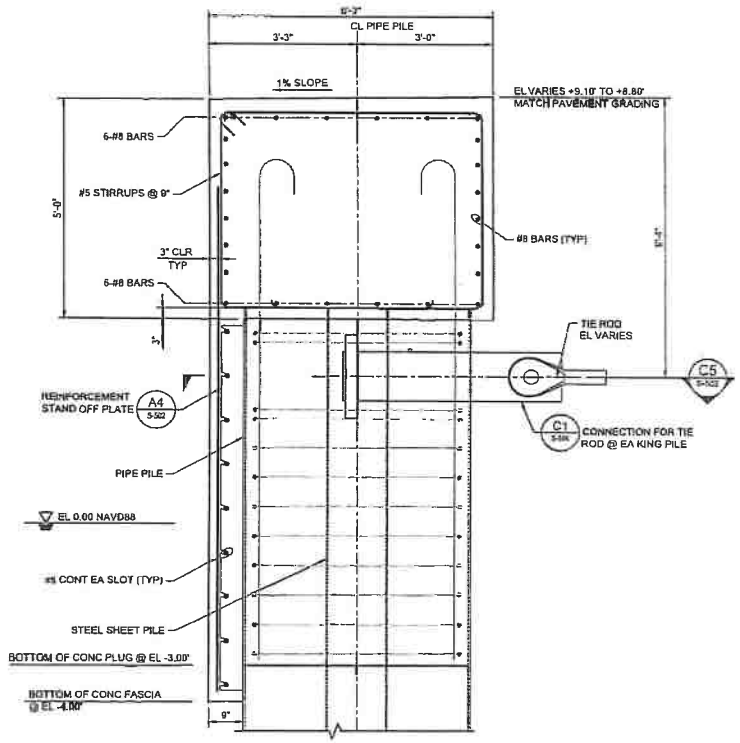
540

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

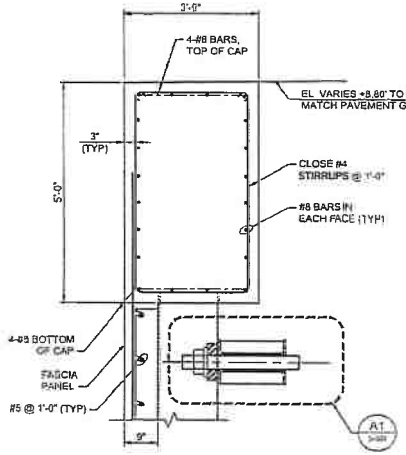
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



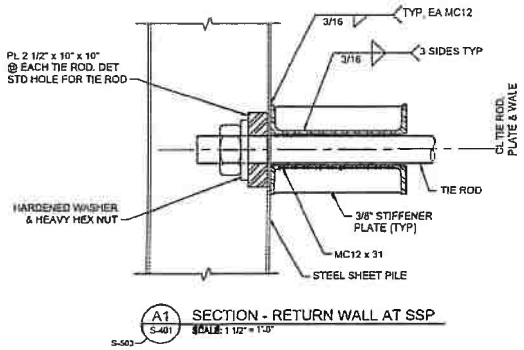
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



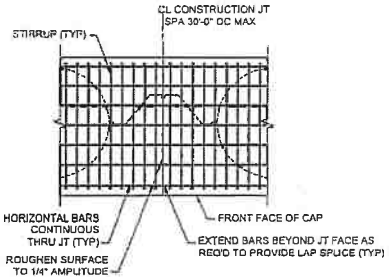
B1 DETAIL - KING PILE RETURN WALL
SCALE: 3/4" = 1'-0"



C4 DETAIL - SSP RETURN WALL
SCALE: 3/4" = 1'-0"

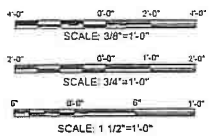


A1 SECTION - RETURN WALL AT SSP
S-503
SCALE: 1 1/2" = 1'-0"



B5 PLAN - PILE CAP CONSTRUCTION JOINT
S-501
SCALE: 3/8" = 1'-0"

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT



100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

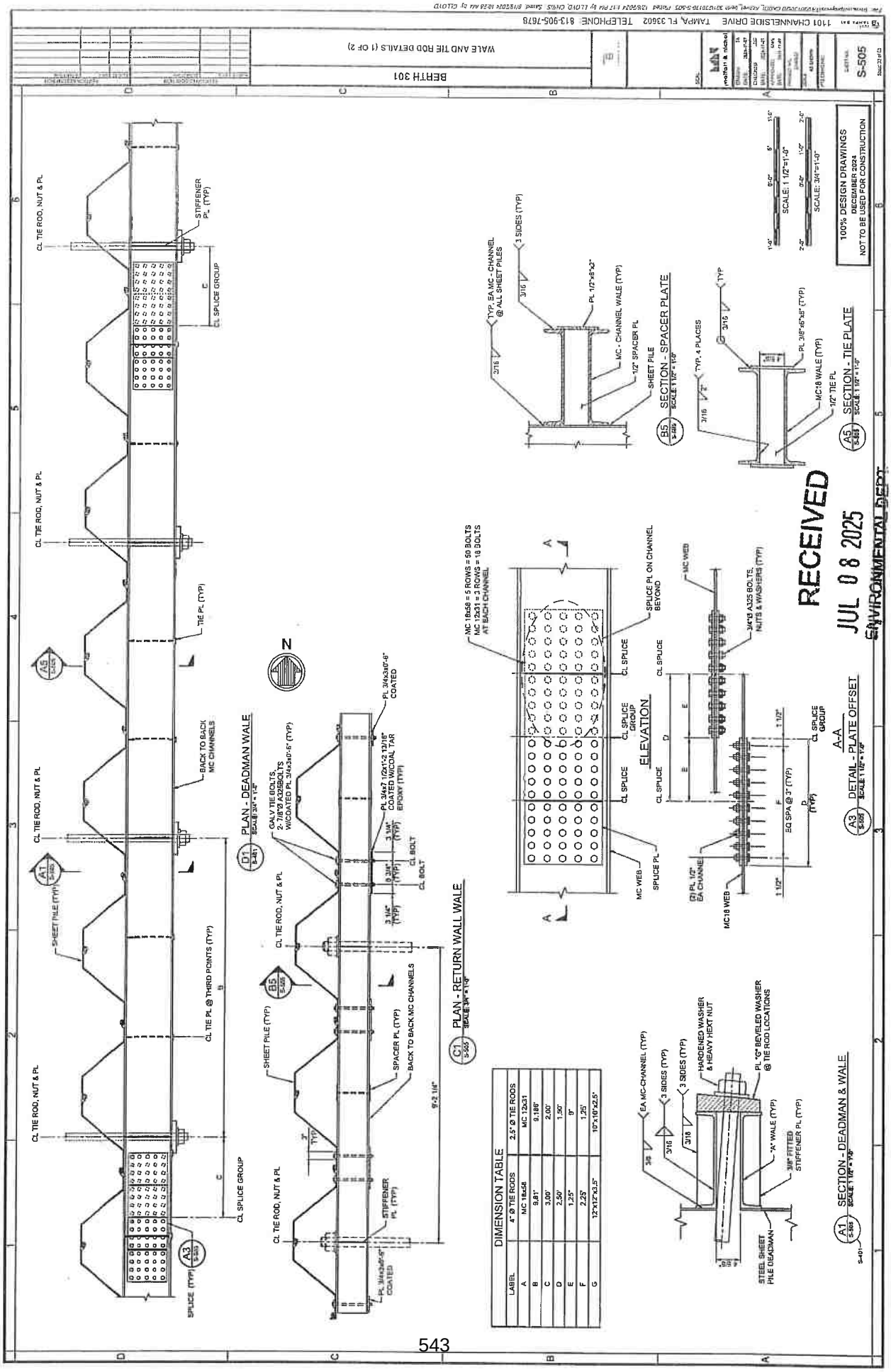
BERTH 301
BULKHEAD DETAILS (2 OF 2)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7670

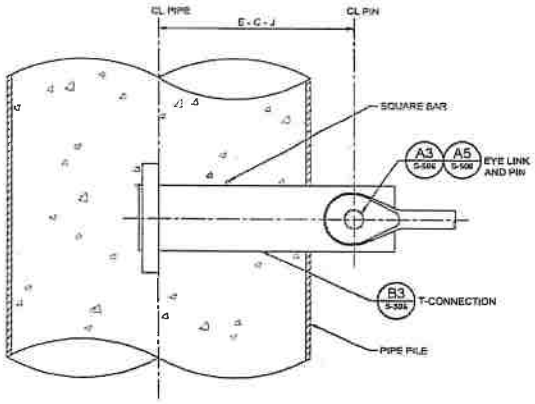
S-503

542

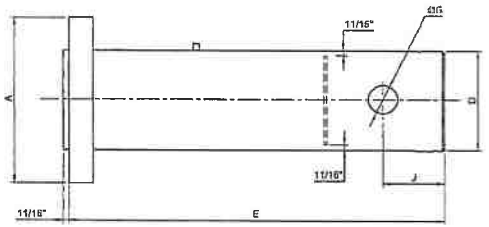
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



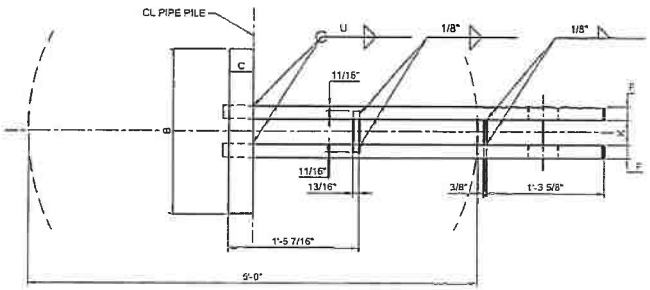
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



C1 S-503 DETAIL - T-PLATE CONNECTION WITH PIN
SCALE: 1" = 1'-0"



ELEVATION

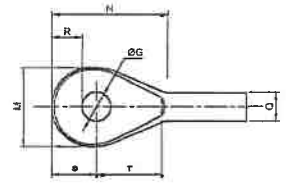


PLAN

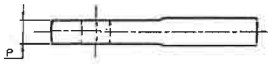
B3 S-506 DETAIL - T-CONNECTION
SCALE: 1 1/2" = 1'-0"

DIMENSION TABLE	
LABEL	4" DIA TIE RODS
FORGED EYE*	M105 / 95
A	18.5"
B	18.5"
C	2.75"
D	11"
E	57.75"
F	1.375"
G	4.086"
H	3.94"
J	6"
K	3.28"
L	7.03"
M	10.04"
N	13.07"
P	3.15"
Q	3.75"
R	2.99"
S	5.02"
T	8.05"
U	1/2"

* ANKER SCHROEDER ASDO [EN1893-5] OR APPROVED EQUAL

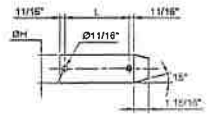


ELEVATION



PLAN

A3 S-506 DETAIL - TYPICAL EYE LINK
SCALE: 1 1/2" = 1'-0"



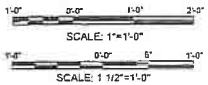
A5 S-506 DETAIL - TYPICAL PIN
SCALE: 1 1/2" = 1'-0"

NOTE: PIN MUST BE FABRICATED FROM MATERIAL CONFORMING TO AISI 4340

NOTES

1. HOT DIP GALVANIZE T-CONNECTIONS AFTER FABRICATION.
2. FABRICATION OF T-CONNECTIONS MUST BE OBSERVED BY A CERTIFIED WELD INSPECTOR AFTER FABRICATIONS. THE INSPECTOR MUST PERFORM A VISUAL INSPECTION AND MAGNETIC PARTICLE TEST ON EACH WELD. ALL DEFECTIVE WELDS MUST BE CORRECTED.

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT



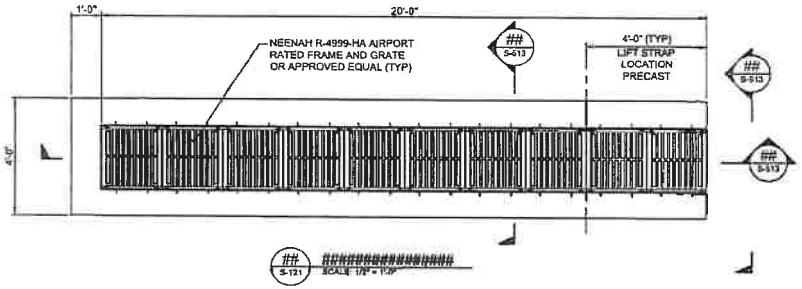
100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

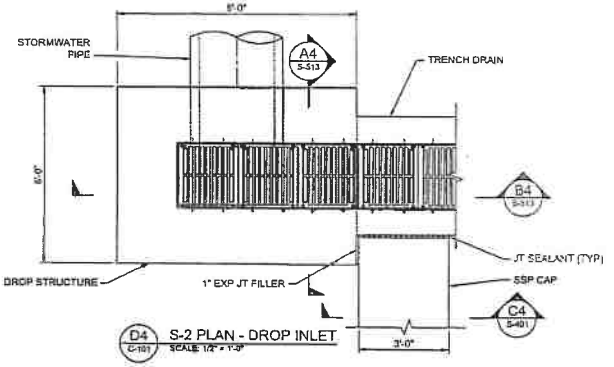
BERTH 301
WALE AND TIE ROD DETAILS (2 OF 2)

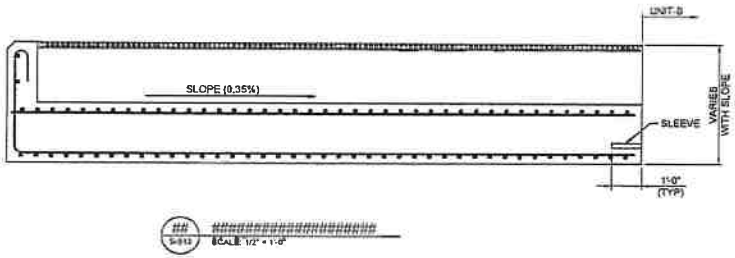
moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

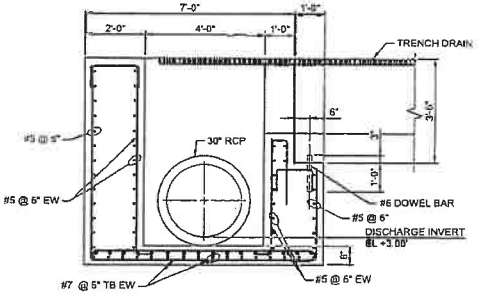
S-506

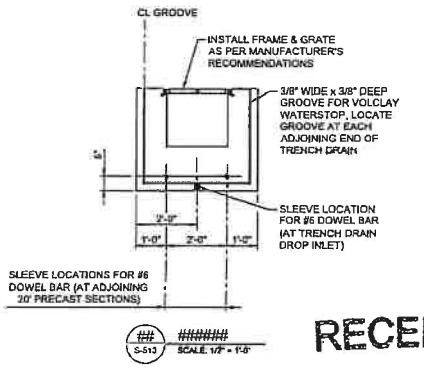
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

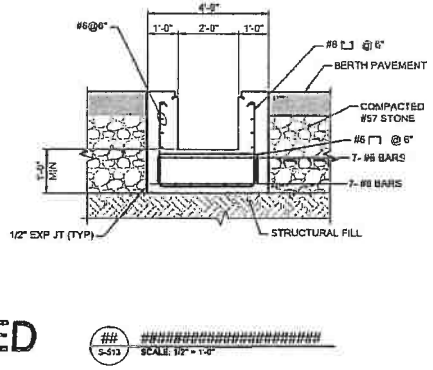


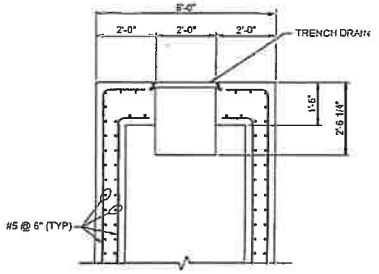












NOTES:

1. GEOMETRY AND REINFORCING FOR PRECAST DRAINAGE STRUCTURES ARE SHOWN SCHEMATICALLY FOR BIDDING PURPOSES.
2. SUBMIT SIGNED AND SEALED SHOP DRAWINGS FOR ALL PRECAST STRUCTURES PRIOR TO FABRICATION.

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

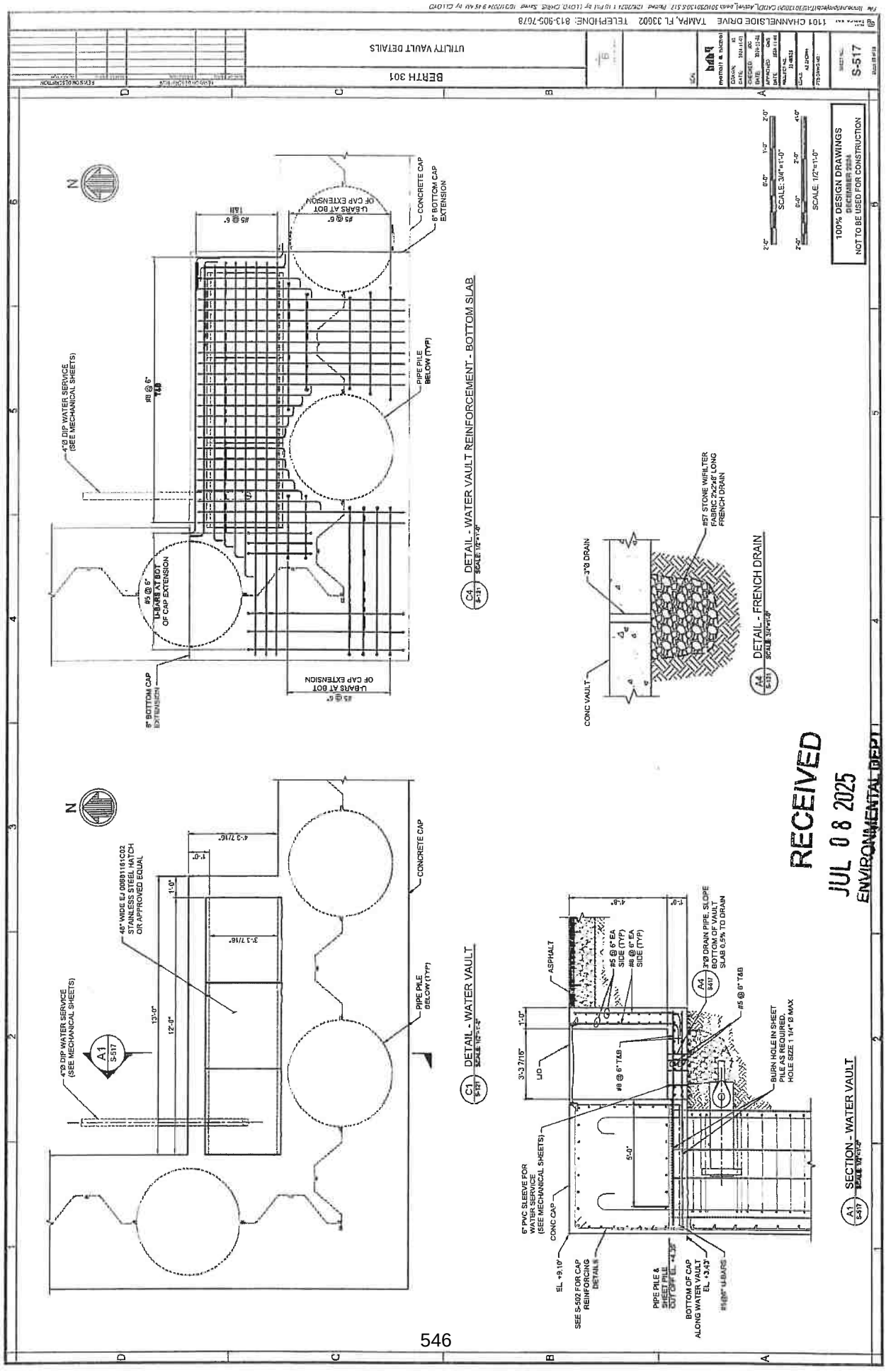
545

BERTH 301
TRENCH DRAIN DETAILS

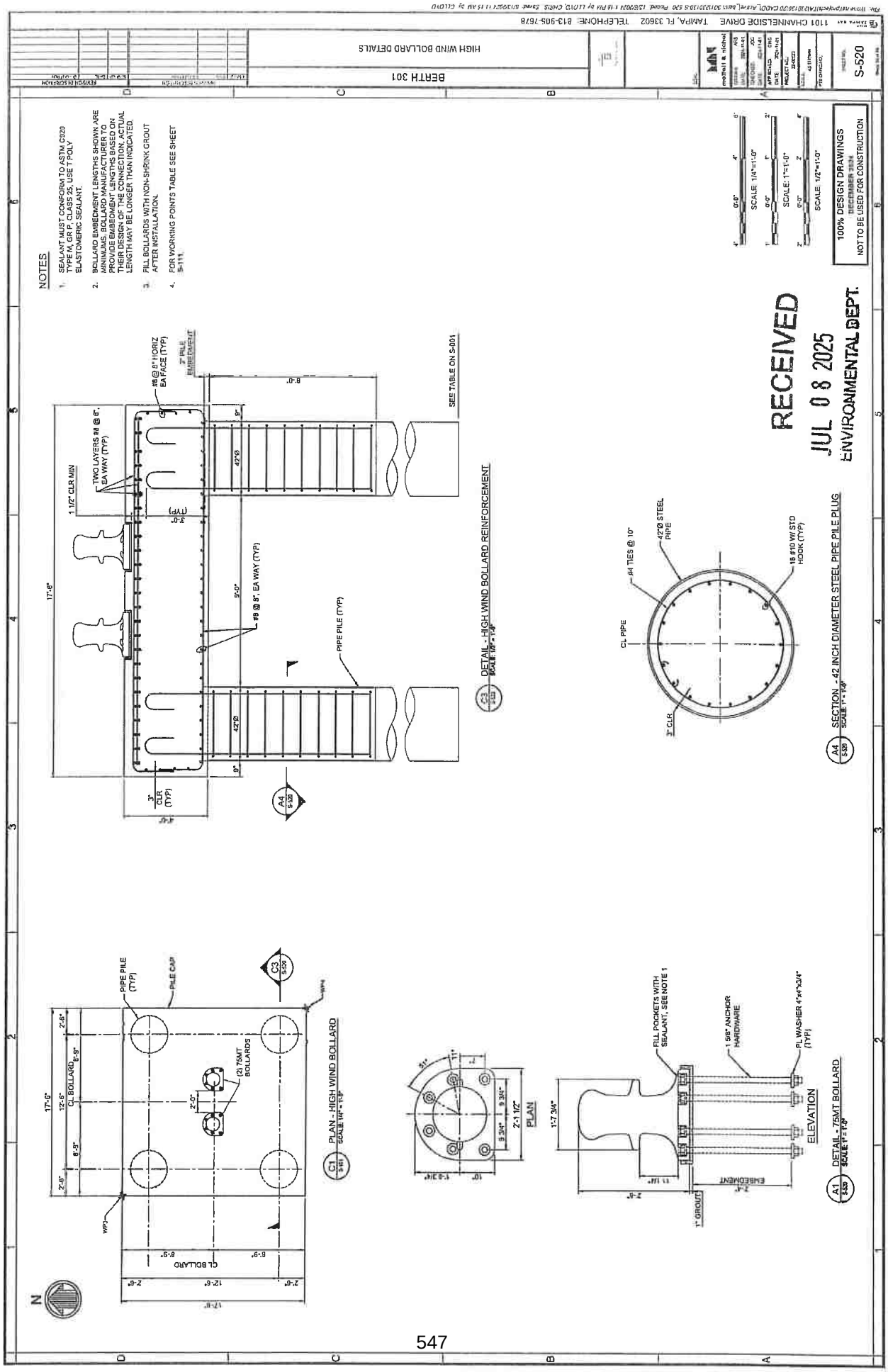
moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7676

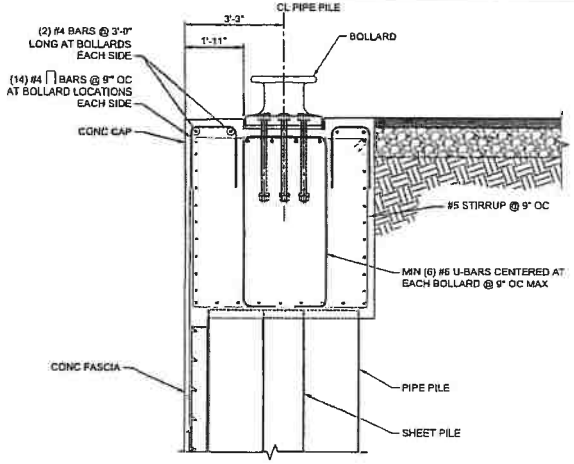
S-513

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

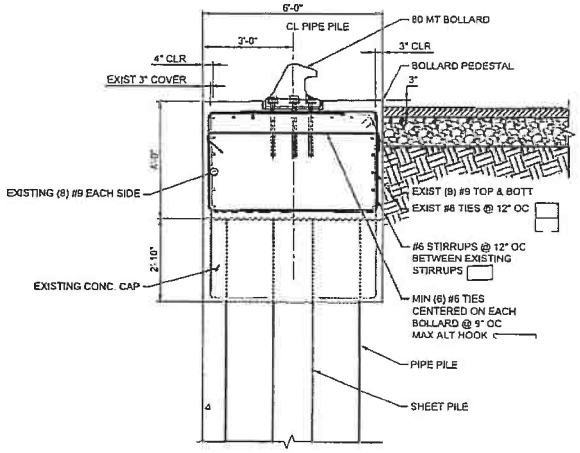


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





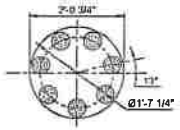
C1 S-401 SECTION - 75 MT BOLLARD LOCATION
SCALE: 1/2" = 1'-0"



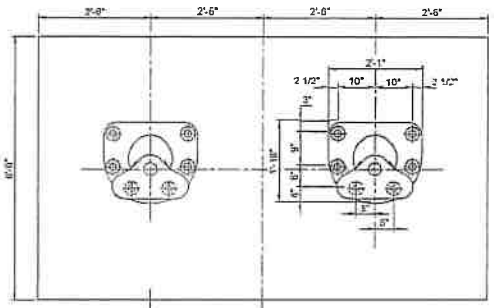
C3 S-530 SECTION - 80 MT BOLLARD AT BERTH 302
SCALE: 1/2" = 1'-0"

NOTES

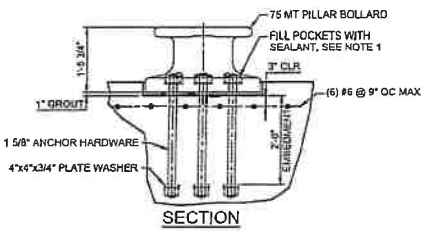
1. SEALANT MUST BE ASTM C920 TYPE M, GR P, CLASS 25, USE T POLY ELASTOMERIC SEALANT.
2. PROVIDE BULKHEAD BOLLARDS WITH 75 MT RATED SWL.



PLAN

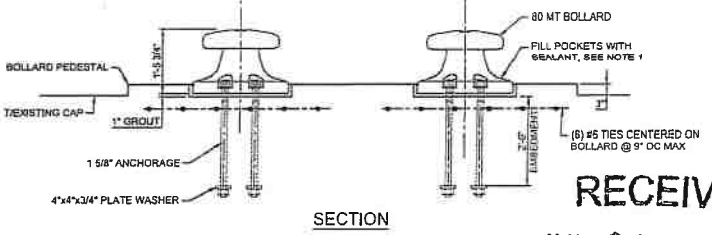


C3 S-530 PLAN



SECTION

A1 S-121 DETAIL - 75 MT BOLLARD
SCALE: 3/4" = 1'-0"



SECTION

A3 S-191 DETAIL - 80 MT BOLLARD AT BERTH 302
SCALE: 3/4" = 1'-0"

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT

SCALE: 3/4"=1'-0"

SCALE: 1/2"=1'-0"

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

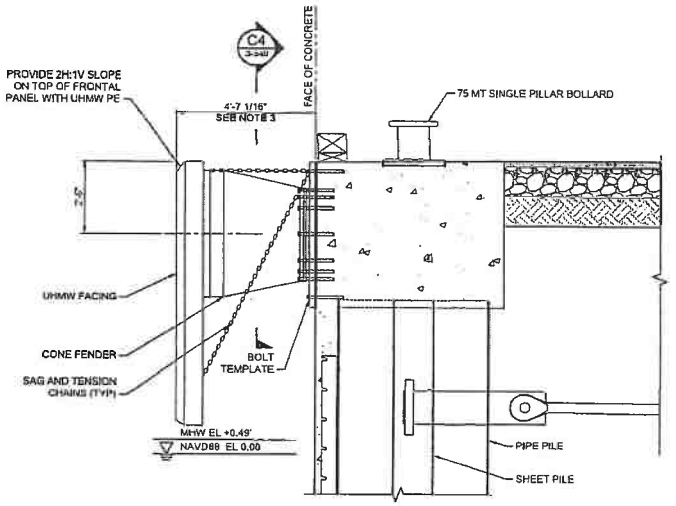
BERTH 301
BOLLARD DETAILS

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

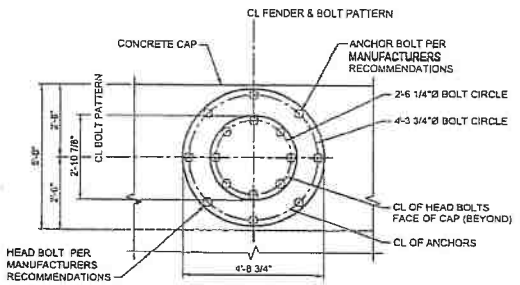
S-530

548

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



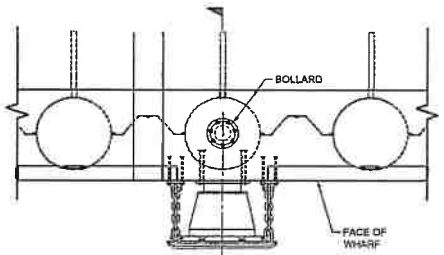
C1 S-540 FENDER SECTION
SCALE: 1/2" = 1'-0"



C4 S-540 BOLT TEMPLATE
SCALE: 1/2" = 1'-0"

NOTES

1. MANUFACTURER MUST PROVIDE DESIGN AND SHOP DRAWINGS FOR ATTACHMENT HARDWARE, INCLUDING SPOOL PIECE, PAD EYES AND CHAINS FOR APPROVAL.
2. BOTTOM OF FRONTAL FRAME TO BE ABOVE WATER, EXCEPT DURING AN EXTREME EVENT. REFER TO GENERAL NOTES FOR TIDAL DATUM.
3. DESIGN UNCOMPRESSED FENDER OFFSET MUST MATCH OFFSET OF FENDERS AT BERTH 302.
4. FENDERS MUST BE CONE TYPE AND HAVE A MINIMUM ENERGY ABSORPTION OF 388 FT-KIPS AND A MAXIMUM REACTION OF 230 KIPS.
5. FENDER RUBBER TO BE A TRELLEBORG SCN 930 GR F3.0 OR APPROVED EQUIVALENT.
6. FRONTAL FRAME TO BE SIZED SUCH THAT THE HULL PRESSURES ARE IN ACCORDANCE WITH THE PIANC RECOMMENDED PRESSURES FOR BULK CARRIERS OF LESS THAN 4,175 PSF.



C1 S-540
A1 S-121 FENDER PLAN
SCALE: 1/4" = 1'-0"

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"
2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

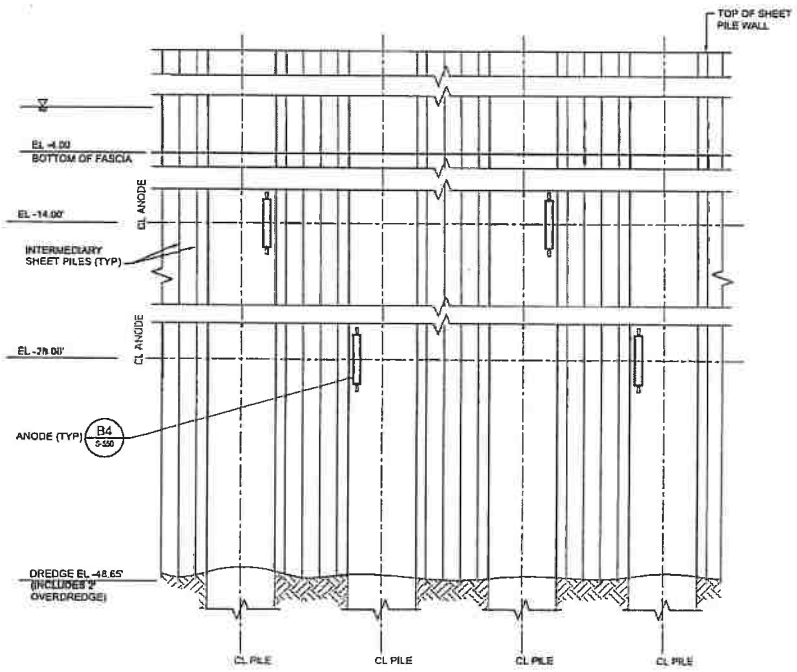
BERTH 301
FENDER DETAILS

moffatt & nichol
TAMPA, FL 33602 TELEPHONE: 813-905-7678
1101 CHANNELSIDE DRIVE

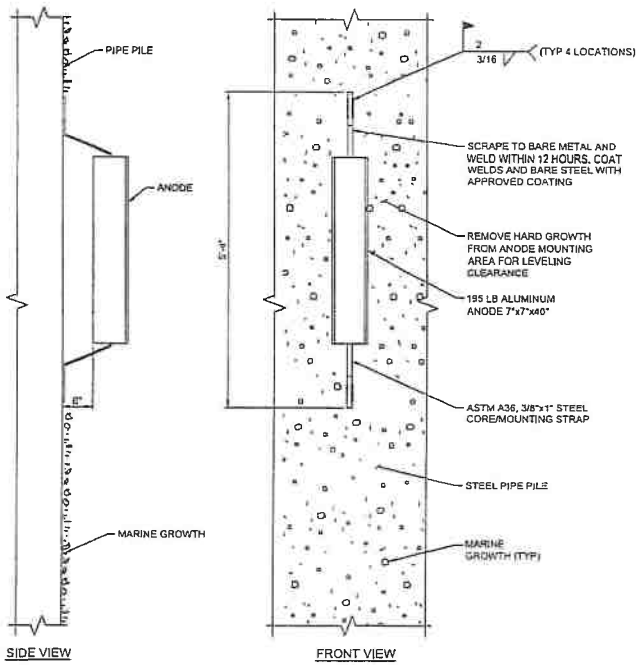
S-540

549

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



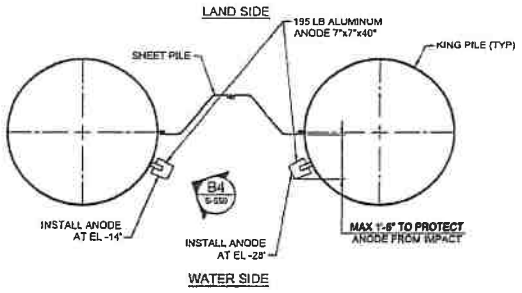
B1 S-550 ELEVATION - ANODE ARRANGEMENT AT WATERSIDE BULKHEAD
SCALE: 1/4" = 1'-0"



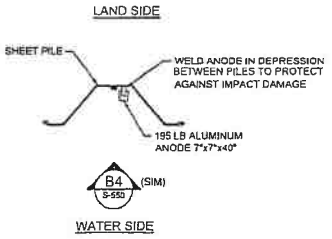
B4 S-550 ELEVATION - ANODE INSTALLATION DETAILS
SCALE: 1" = 1'-0"

NOTES

1. CONCRETE CAP AND OTHER APPURTENANCES NOT SHOWN FOR CLARITY.



A1 S-111 PLAN - ANODE PLACEMENT AT COMBINATION SECTION
SCALE: 1/2" = 1'-0"



A4 S-111 PLAN - ANODE PLACEMENT NZ PILE PAIR
SCALE: 1/2" = 1'-0"

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

SCALE: 1"=1'-0"
SCALE: 1/2"=1'-0"
SCALE: 1/4"=1'-0"

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

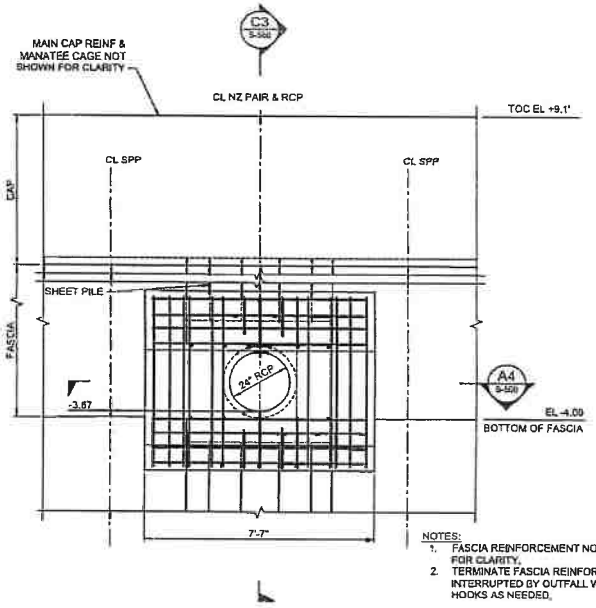
BERTH 301
CATHODIC PROTECTION DETAILS
moffatt & nichol
S-550

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

550

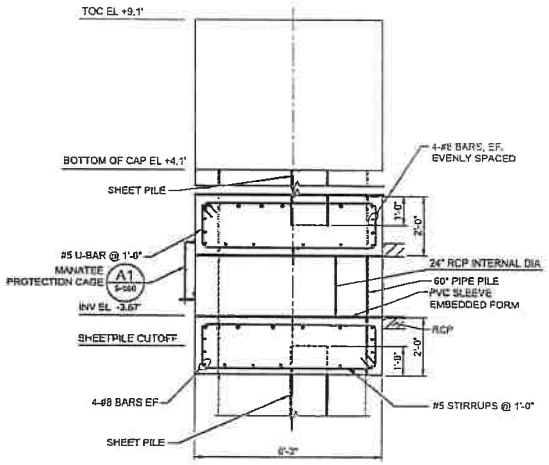
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



NOTES:
1. FASCIA REINFORCEMENT NOT SHOWN FOR CLARITY.
2. TERMINATE FASCIA REINFORCEMENT INTERRUPTED BY OUTFALL WITH STD 90° HOOKS AS NEEDED.

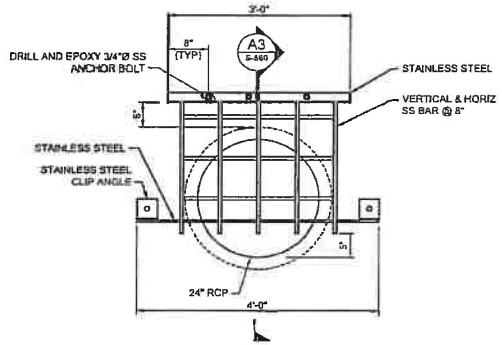
C2 S-560 BULKHEAD PENETRATION DETAIL
SCALE: 1/2"=1'-0"



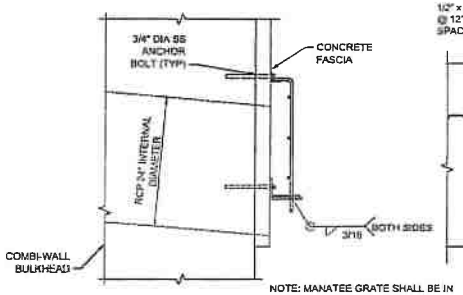
NOTE: MAIN CAP & FASCIA REINF NOT SHOWN FOR CLARITY.

C3 S-560 SECTION
SCALE: 1/2"=1'-0"

NOTES:
1. CONNECTION BETWEEN RCP AND PENETRATION SHALL PROVIDE A WATERTIGHT SEAL.
2. WHERE RCP INTERSECTS THE DEADMAN ANCHOR WALL, CUT A PENETRATION IN THE WALL NO LARGER THAN THE OUTER PIPE DIAMETER PLUS 2 INCHES TO PASS THE PIPE. PROVIDE A PROTECTIVE RUBBER GASKET BETWEEN THE PIPE AND CUT WALL TO PREVENT PIPE DAMAGE.



FRONT ELEVATION

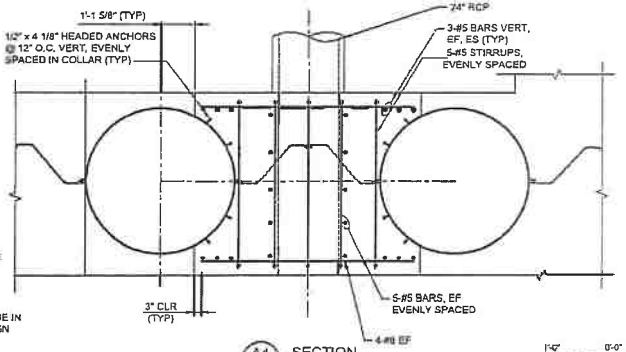


NOTE: MANATEE GRATE SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX NO. 430-001

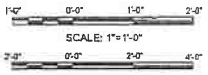
SIDE ELEVATION

A1 S-560 ELEVATION - MANATEE PROTECTION CAGE
SCALE: 1"=1'-0"

A3 S-560 SECTION - MANATEE PROTECTION CAGE
SCALE: 1"=1'-0"



A4 S-560 SECTION
SCALE: 1/2"=1'-0"



RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
BULKHEAD PENETRATION SECTIONS & DETAILS

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813.905.7678

S-560

551

MECHANICAL ABBREVIATIONS

AD/AP	ACCESS DOOR/ACCESS PANEL
AG	ABOVE GRADE
APPROX	APPROXIMATELY
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWS	AMERICAN WELDING SOCIETY
BFP	BACK FLOW PREVENTER
BOP	BOTTOM OF PIPE
BV	BALL VALVE
℄	CENTERLINE
CHV	CHECK VALVE
CI	CAST IRON
CONC	CONCENTRIC
CONT	CONTINUATION
CS	CARBON STEEL
Cu	COPPER
DEPT	DEPARTMENT
DI	DUCTILE IRON
DIA. Ø	DIAMETER
DN	DOWN
DWGS	DRAWINGS
EA	EACH
ECC	ECCENTRIC
EL	ELEVATION
ELECT	ELECTRICAL
ELL	ELBOW
EMBED	EMBEDMENT
EXIST. (E)	EXISTING
EXP	EXPANSION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FRP	FIBERGLASS REINFORCED PIPE
FT	FEET
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GV	GATE VALVE
IN	INCHES
INT	INTERIOR
INV/IE	INVERT ELEVATION
MAX	MAXIMUM
MIN	MINIMUM
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PE	POLYETHYLENE
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
PW	POTABLE WATER
RED	REDUCER
SCH	SCHEDULE
SS	STAINLESS STEEL
STL	STEEL
STR	STRAINER
TOP	TOP OF PIPE
TPA	TAMPA PORT AUTHORITY
TYP	TYPICAL
U	UNION
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
W/	WITH

MECHANICAL LEGEND

—— W ——	WATER LINE
— — — —	EXIST. WATER LINE
	FIRE HYDRANT
	TEE FITTING
	GATE VALVE

GENERAL MECHANICAL NOTES

1. ALL POTABLE WATER FACILITIES ARE OWNED AND OPERATED BY PORT TAMPA BAY (PTB). THESE FACILITIES MUST BE CONSTRUCTED PER STANDARD DRAWINGS AND PROVISIONS OF THE PTB, HILLSBOROUGH COUNTY PUBLIC UTILITIES TECHNICAL MANUALS, HILLSBOROUGH COUNTY HEALTH DEPARTMENT, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OSHA REGULATIONS, FDOT, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS WELL AS APPLICABLE PLUMBING CODES.
2. PTB MUST BE NOTIFIED IN WRITING OF CONFLICTS BETWEEN STANDARDS, PROVISIONS, DRAWINGS OR SPECIFICATIONS AND MUST MAKE THE FINAL RESOLUTION.
3. CONTRACTOR TO INSPECT MATERIAL USED TO CONSTRUCT THE PROJECT. MATERIAL NOT MEETING THE REQUIREMENTS HEREIN MUST BE REJECTED. ALL MATERIAL MUST BE NEW.
4. CONTRACTOR MUST TAKE CARE TO PRESERVE ALL NEW AND TO REMAIN EXISTING UTILITIES IN THE PROJECT WORK AREA. CONTRACTOR MUST REPAIR, RELOCATE OR REPLACE ALL UTILITIES DAMAGED DURING EXCAVATION OR OTHER WORK OF THIS PROJECT. UTILITY RELOCATIONS MUST COMPLY WITH CITY OF TAMPA DEVELOPMENT REGULATIONS. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK MUST BE CORRECTED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
5. COORDINATE ALL TRENCHING AND EXCAVATIONS WITH GENERAL CONTRACTOR.
6. EXCAVATIONS, SUBSURFACE PREPARATIONS, BEDDING, FILL MATERIAL REQUIREMENTS, COMPACTION, GRADING AND PAVING, AND INSPECTION SCHEDULING MUST BE AS NOTED IN CIVIL "C" DRAWINGS AND THE PROJECT SPECIFICATIONS.
7. IF THE CONTRACTOR PROPOSES AND/OR INSTALLS ALTERNATE EQUIPMENT OR SYSTEMS, IT MUST BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE ENGINEER & ALL OTHER ADMINISTRATIVE AUTHORITIES. APPROVALS FOR ALTERNATES OR SUBSTITUTIONS MUST BE OBTAINED FROM TPA/ENGINEER PRIOR TO PURCHASE & INSTALLATION OF SUCH EQUIPMENT OR SYSTEMS.
8. THE BULKHEAD STRUCTURE, INDICATED ON THE MECHANICAL DRAWINGS, IS FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR INFORMATION REGARDING THE BULKHEAD STRUCTURE.
9. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE INTEGRITY OF THE SYSTEMS. CONTRACTOR MUST PROVIDE OWNER WITH OPERATION AND MAINTENANCE INFORMATION FROM EQUIPMENT MANUFACTURER.
10. THE CONTRACTOR MUST VERIFY ALL EXISTING UTILITY LOCATIONS IN THE FIELD BEFORE STARTING WORK. THE REGIONAL NOTIFICATION CENTER (SUNSHINE 811 AT 811) MUST BE NOTIFIED 48 HOURS PRIOR TO THE START OF DIGGING OR EXCAVATION WORK IN ACCORDANCE WITH OSHA REGULATIONS. THE CONTRACTOR MUST FIELD VERIFY THE POINT OF CONNECTION. LOCATIONS OF VAULTS, PIPING AND APPURTENANT FITTINGS SHOWN ON THE PLANS (DRAWINGS) ARE APPROXIMATE. IT IS INTENDED THAT SUCH ITEMS BE LOCATED BASED ON EXACT LOCATIONS DETERMINED IN THE FIELD AND THE SUPPLIED MATERIALS. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND INFORMATION INDICATED ON THE PLANS PRIOR TO COMMENCING WITH CONSTRUCTION.
11. SCHEDULING, TRENCHING, LINE SHUTDOWN, DRAINAGE, TIE-IN, PIPE BEDDING, INSTALLATION OF NEW LINE, THRUST BLOCK PLACEMENTS, PRESSURE TESTING, DISINFECTION, FLUSHING, BACKFILL, RESURFACING, REACTIVATION OF SERVICE, ETC., MUST COMPLY WITH PTB AND HILLSBOROUGH COUNTY TECHNICAL MANUAL AND MUST BE COORDINATED WITH PTB WATER DEPARTMENT. PRIOR APPROVAL OF AND NOTICE TO PROCEED WITH THE TIE-INS ARE REQUIRED BY PTB WATER DEPARTMENT. AUTHORIZED REPRESENTATIVE MUST WITNESS TIE-IN. THE CONTRACTOR MUST BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE JURISDICTIONAL GOVERNMENTAL AGENCIES AND THE ENGINEER.
12. CONTRACTOR MUST SUBMIT SHOP DRAWINGS ON ALL PRECAST, MANUFACTURED AND FABRICATED ITEMS TO THE ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE MANUFACTURE, FABRICATION AND INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
13. ALL VAULT JOINTS MUST BE SEALED WITH AN ACCEPTABLE JOINT SEALING COMPOUND REGARDLESS OF WHETHER AN O-RING GASKET IN A PREFORMED GROOVE IS USED. ALL MANHOLE COVERS AND HATCHES MUST BE TRAFFIC RATED FOR HS-20 LOADING. THE VAULT WALL SLEEVES FOR PIPING PENETRATION MUST BE SIZED TO ACCOMMODATE MECHANICAL WATER STOP, SUCH AS LINKSEAL OR APPROVED EQUAL, WHERE NOTED, OR SEALANT. CONTRACTOR MUST COORDINATE LOCATION OF VAULT WALL SLEEVES WITH THE FINAL PIPING LOCATIONS. THE COLOR OR DECAL REQUIRED ON THE PW MANHOLE COVERS AND HATCH MUST BE DETERMINED BY PTB.
14. POTABLE WATER EQUIPMENT, SUCH AS PIPING, FITTINGS, VALVES, LININGS AND COATINGS, AND JOINT RESTRAINTS MUST BE APPROVED BY THE AGENCIES REFERRED TO IN GENERAL NOTE 1 AND MUST COMPLY WITH THE HILLSBOROUGH COUNTY WATER DEPARTMENT TECHNICAL MANUAL MATERIAL SPECIFICATIONS. ALL FITTINGS MUST BE COATED AND LINED AS SPECIFIED ABOVE FOR DUCTILE IRON PIPE.
15. THE CONTRACTOR MUST MAINTAIN AND PROTECT THE POTABLE WATER SYSTEM FROM MUD, DIRT, DEBRIS, ETC. UNTIL FINAL ACCEPTANCE. THE CONTRACTOR MUST BE REQUIRED TO CLEAN THE INTERIOR OF THE PIPE PRIOR TO HYDROTESTING.
16. THE POTABLE WATER SYSTEM MUST BE PRESSURE TESTED DOWNSTREAM OF THE POC. APPLY AND MAINTAIN THE TEST PRESSURE FOR THE DURATION IN ACCORDANCE WITH THE HILLSBOROUGH COUNTY PUBLIC UTILITIES TECHNICAL MANUALS, DURING WHICH TIME THERE WILL BE NO REDUCTION IN TEST PRESSURE - SHOULD A REDUCTION OCCUR, LEAKS MUST BE LOCATED, REPAIRED AND THE TEST REPEATED. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, CONNECTIONS, AND VALVES MUST REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE ENGINEER. CONTRACTOR TO NOTIFY ENGINEER AND MUNICIPALITY INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING TESTS.
17. THE POTABLE WATER SYSTEM MUST BE SANITIZED PRIOR TO SERVICE TIE-IN TO EXISTING SYSTEM. THE SANITIZING METHOD, PROCEDURES AND TESTING MUST BE APPROVED BY THE AGENCIES REFERRED TO IN GENERAL NOTE 1. THE CONTRACTOR MUST INSURE THAT THE WATER IN THE SYSTEM IS NOT USED FOR HUMAN CONSUMPTION DURING THE STERILIZATION PROCESS AND THAT STERILIZATION SOLUTION IS DISPOSED OF IN ACCORDANCE WITH LOCAL REQUIREMENTS. CONTRACTOR TO PERFORM CHLORINATION AND BACTERIOLOGICAL SAMPLING ON ENTIRE WATER SYSTEM. COPIES OF ALL BACTERIOLOGICAL TESTS TO BE SUBMITTED TO ENGINEER.
18. LOW POINTS, OR POCKETS, MUST BE AVOIDED.
19. INSTALL INSULATED UNIONS OR GASKET SETS AT POINTS OF CONNECTION BETWEEN ALL DISSIMILAR METALS.
20. ANY BURIED CHANGES OF DIRECTION MUST BE RESTRAINED, OR MUST HAVE RESTRAINED MECHANICAL JOINTS, "MEGA-LUG" OR APPROVED EQUAL.
21. ALL NON-BURIED PW VALVES, PIPE AND FITTINGS MUST HAVE RESTRAINED MECHANICAL JOINTS, "MEGA-LUG" OR APPROVED EQUAL, OR MUST BE FLANGED.
22. PIPE SUPPORTS INDICATED IN THE DRAWINGS AS BEING MADE FROM PIPING MUST BE STAINLESS STEEL. SHAPES, BARS AND PLATES MUST CONFORM TO ASTM A276. ANCHOR BOLTS AND MACHINE BOLTS MUST BE ASTM F593. ALL WELDING MUST CONFORM TO AWS D1.1. FIELD TREAT DAMAGED GALVANIZED FINISH AND EXPOSED THREADED SURFACES WITH TWO COATS OF ZINC RICH PAINT CONFORMING TO ASTM A-780.
23. THE VALVE OPERATOR HATCH AT GATE/CHECK VALVE VAULT MUST BE CENTRALLY LOCATED ABOVE THE GATE VALVE. WITHIN THE OPENING OF THE VALVE HATCH MUST BE STORED A VALVE OPERATING TOOL. THE TOOL MUST HAVE A T-HANDLE, OR SIMILAR, LONG SHAFT WRENCH FOR OPERATION OF THE VALVE ABOVE GRADE LEVEL. BOTTOM OF TOOL MUST FIT VALVE OPERATOR. HATCH DIAMETER MUST BE LARGE ENOUGH TO PULL VALVE WRENCH THROUGH. WRENCH TO BE STORED WITH EASY ACCESS ON A HOOK BELOW THE HATCH.
24. DUCTILE IRON PIPE MUST BE AS FOLLOWS: PIPE, EXCEPT FLANGED PIPE, AWWA C151/A21.51, PRESSURE CLASS 350. FLANGED PIPE, AWWA C115/A21.15. FITTINGS, AWWA C110/A21.10 OR AWWA C153/A21.53 FITTINGS WITH PUSH-ON JOINT ENDS CONFORMING TO THE SAME REQUIREMENTS AS FITTINGS WITH MECHANICAL-JOINT ENDS, EXCEPT THAT THE BELL DESIGN MUST BE MODIFIED, AS APPROVED, FOR PUSH-ON JOINT. FITTINGS MUST HAVE PRESSURE RATING AT LEAST EQUIVALENT TO THAT OF THE PIPE. MECHANICAL JOINTS IN ACCORDANCE WITH AWWA C111/A21.11.

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT

100% DESIGN DRAWINGS
DECEMBER 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
MECHANICAL NOTES

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

SEAL

mallott & nichol

M-001

552

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

SUPPLEMENTAL FORM FOR PROJECTS WITH PROPOSED FILL PLACEMENT IN SUBMERGED LANDS

1. Brief Description of Proposed Filling of Submerged Lands: **Construction of Berth 301 - (Please see Attachment 3 – Project Narrative).**

2. Proposed Fill Area (Length x Width): **38,000 sf in MHW - 53,200 sf Total** Square Footage

3. Proposed Fill Volume of Material: **27,050 Cubic Yards Below MHWL**

4. Contractor company name, company address, contact person name(s), 24 hrs/7 days phone number(s) and email address(es) to be contacted in the event of an emergency (i.e. conveyance pipeline leak, navigation hazard, or other construction related issues): **TBD**

5. Choose **ALL** that apply to project:

   ☒ In-Water construction equipment is to be used / Floating Barge

   ☐ Upland access equipment is to be used / Upland Material Staging Site.
   Must provide upland staging site Property Owner's Authorization, if different from Applicant. **N/A**

   Equipment and other details: **Barge(s) in deepwater**

6. Method of Filling Submerged Lands: ☐ Clam Shell Bucket ☐ Hydraulic ☒ Other: Fill from land-based equipment

7. Presence of any ecological and/or natural resources (i.e., seagrasses, live hard bottom, oyster bar/bed, mangroves, etc.) in or adjacent to the project area? ☐ Yes (Show on Drawings with buffer) ☒ No **Project area is dredged deepwater Port Berth, and noted resources are not anticipated. (See Attachment 3 - Project Narrative)**

8. Source of the fill material to be used for this project (address/name of site, project name, associated permit number, etc.): **Fill material will be "Clean Structural Material" source to be determined by contractor.**

9. Describe fill source material transportation & access route to project site (if applicable & attach map): Fill material location to be determined by the contractor. Material to be trucked to site, which will enter through the main gate at Port Redwing and then travel to the site.

10. Hours of In-Water Construction Operations: Dawn to Dusk / Days: 6 or 7

☒ Natural Resource Survey /Environmental Assessment Report is attached. **(Please see Attachment 7 – draft NEPA EA by HDR Jan 2024)** *Indicate Company Name that prepared the survey/report and date of certified field survey on the report.*

☐ Bathymetry Survey indicating existing and proposed water depths / bottom grade elevations for the project area is attached. *Indicate Company that prepared survey/report and date of certified field survey.*

☒ Other Sediment Analysis/Geotechnical or Environmental Assessment Report(s) associated with this project is attached.

25-013 Attachment 6

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Attachment 3 - Port Tampa Bay - Berth 301- Standard Work Permit Application- Project Narrative and Public Interest Statement

PROJECT DESCRIPTION, PURPOSE, AND NEED

The Berth 301 project will strengthen the Port's ability to import bulk aggregate imports by allowing three (3) 650-ft length overall (LOA) vessels to simultaneously berth at Port Red Wing's Berth 300, Berth 301, and Berth 302 facilities. Port Red Wing has grown substantially over the last year, and new tenants will be developing the final lease areas in the coming months to further increase the bulk aggregate imports. Additional berth area is required to facilitate this growth. This project has RAISE grant funding and is currently completing the NEPA application process. The project consists of the following work:

- Extending the existing Berth 302 steel combination-wall (combi-wall) bulkhead by 500-ft to the west. The structure will be on average, 100-ft in width with the west end closed with a steel combi-wall bulkhead to allow for placing compacted fill inside to support an asphalt deck.
    - 60-in diameter steel pipe piles waterward of the MHW line – 56-ft
    - Steel sheet pile pairs waterward of the MHW line – 57-ft
    - Surface area waterward of the MHW line – 38,000-ft^2
    - Total surface area – 53,200-ft^2
    - Distance waterward of the MHW line – 61-ft
    - Fill volume waterward of the MHW line –
        - Below – 27,050-ft^3
        - Above – 11,820-ft^3
    - Total fill volume – 40,170-ft^3
- Construction of one (1) new high wind bollard structure. This will be a steel pipe pile supported structure with a concrete cap and two (2) bollards. All components of this structure will be landward of the MHW line.
- Installation of the steel combi-wall components will be done as follows:
    - Initial installation will be done with a vibratory hammer to within 5-ft of the tip elevation, or refusal
    - The remaining length will be driven with an impact hammer to allow for testing and verification of pile capacity to meet the required design strength. (Please see Attachment 2 – Project Permit Plans).

PROJECT AVOIDANCE AND MINIMIZATION

Berth 301 Avoidance and Minimization – Our design and construction for the Berth 301 Project includes the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

(Excerpts below are from Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) (425 Pages) - January 2024)

"4.2.8.2 ENVIRONMENTAL CONSEQUENCES

The proposed berth construction would not require work beyond approximately 10 to 20 feet below ground surface and therefore would not impact the FAS or IAS. The proposed project activities related

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013 -

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

to the construction of a bulkhead and associated structures would be completed near the terminus of Big Bend Channel. The New Berth 301 project would include converting approximately one acre of submerged lands to uplands (approximately 500 feet in length and 80 feet in width) using clean fill. Additionally, 500 linear feet of steel sheet pile would be used to create the bulkhead along the shoreline, and 80 feet of return wall for offloading dry bulk. The port has carried out mitigation for the entire Port Redwing peninsula development, including filling of on-site wetlands, dredging, the construction of an 80 foot by 4,000 feet open marginal wharf and additional impervious surfaces (United States Army Corps of Engineers [USACE] Permit SAJ-2002-3332, dated January 8, 2004, and FDEP Permit No. 29-019967-001, dated December 19, 2003, see Appendix C) and expects no additional mitigation at this time. The previous mitigation project included the creation of mitigated lands for the award-winning Cockroach Bay Preserve, located alongside McKay Bay and now managed by Southwest Florida Water Management District (SWFWMD). No impacts to other surface water resources would be expected with the implementation of BMPs, as described in Section 6, and the proposed project would not affect groundwater resources. The proposed project has been found to be consistent with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

4.2.9 Wetlands

4.2.9.1 AFFECTED ENVIRONMENT

The proposed project site is located near the terminus of Big Bend Channel, between dry bulk Berths 300 and 302. There are no wetlands mapped by the National Wetland Inventory (NWI) on the project site.

4.2.9.2 ENVIRONMENTAL CONSEQUENCES

On December 19, 2003, FDEP granted Environmental Resource Permit (ERP) No. 29-0199767¬001 and the (USACE) issued Permit SAJ-2002-3332 on January 8, 2004 to allow the creation of Port Redwing, including filling of on-site wetlands, dredging, the construction of an 80 foot by 4,000 feet open marginal wharf and additional impervious surfaces (Appendix C). As mitigation for these impacts, mitigated lands were created at the Cockroach Bay Preserve, located alongside McKay Bay, and are now managed by SWFWMD. The proposed layout of Berth 301 is entirely within the authorized footprint from the 2003 permit. As such, no additional mitigation is proposed for this project. Therefore, with the implementation of BMPs described in Section 6, the proposed project would not result in significantly adverse impacts to waters of the U.S. within the project area.

4.2.11 Fish and Wildlife

4.2.11.1 AFFECTED ENVIRONMENT

Tampa is within the Coastal Plain physiographic province, characterized by flat to gently sloping topography (NPS, 2017). The proposed project area lies along the coast in southwestern Hillsborough county. The project site consists of previously developed upland areas within an industrial-maritime transportation facility. The current conditions of the project site include a maintained vegetated shoreline stabilized with riprap, extending from the top of bank to below the Mean High Water Line (MHWL). Below the riprap, the approximate 2 to 1 slope continues to a depth of -45 feet into the Big Bend Channel. The project site is surrounded by other berths and port facilities (Appendix A, Figure A-1). No submerged aquatic vegetation was observed within the project area and no mangroves are present.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

The NOAA EFH Mapper was reviewed for the project area (NOAA, 2023a). The project area doesn't contain Habitat Areas of Particular Concern, or EFH Areas Protected from Fishing. Based on the EFH Mapper, the project area includes EFH for the Bull shark (Carcharhinus leucas), Tiger shark (Galeocerdo cuvier), Blacktip shark (Carcharhinus limbatus), and Bonnethead shark (Sphyrna tiburo). Each of these species require shallow, warm waters to meet various lifecycle needs. A site visit was conducted April and May 2023 to evaluate the conditions at the site. HDR observed no EFH for the four shark species within the immediate vicinity of the project area."

(Please see Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) - 425 Pages - January 2024)

Berth 301 – ADDITIONAL INFORMATION:

Currently the project is completing the NEPA application process, as it is funded by a RAISE grant. The NEPA process has initiated and completed consultations with the following Agencies as part of the NEPA review: NMFS Habitat Conservation Division and Protected Resources Division (concurrence attached – **Attachments 8 and 9**), USFWS (still under consultation) , State of Florida Clearing House (CZM, Florida Coastal Management Program, FWCC) (**Attachment 10**) , Florida State Historic Preservation Officer (**Attachment 11**), Seminole Tribe of Florida- Tribal Historic Preservation Officer (**Attachment 12**), and The Muscogee Nation (**Attachment 13**).

Berth 301 - PROJECT PUBLIC INTEREST STATEMENT

1. Public Interest Statement: Please describe how the proposed project is not contrary to the public interest based on the criteria outlined in Section II. D.1. of the Tampa Port Authority Submerged Land Management Rules.

    a. Please describe how the project will be designed to avoid adverse effects to public health, safety, or the welfare or the property of others. **The Berth 301 Project location is in Port Redwing, which is an existing Port facility. The Project will enhance an already existing operation which does not present adverse effects to the public health, safety or the welfare or the property of others.**

    b. Please describe how the project will be designed to avoid adverse effects to the conservation of fish and wildlife, including endangered or threatened species, or their habitats. **Please see the Project Avoidance and Minimization information above. This can be found in Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) - 425 Pages - January 2024)**

    c. Please describe how the project will be designed to avoid adverse effects to navigation or the flow of water or cause harmful erosion or shoaling. **Berth 301 is being constructed to serve vessels navigating into and out of the Port Redwing in Gibsonton. Constructing the berth along the existing Port Redwing navigation channel and previous permitted area will not cause adverse effects to the navigation or flow of water. The berth is sloped toward the upland to collect and treat the runoff and avoid soils erosion into the water. Also, the proposed berth will improve navigation by decreasing ship congestion.**

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

d. Please describe how the project will be designed to avoid adverse effects to the fishing or recreational values or marine productivity in the vicinity of the activity. **Port Redwing is a very active industrial center. The proposed project is an expansion in a congested industrial shipping area that will further enhance the Port's abilities to accommodate the increase in activities expected due to ongoing economic growth.**

e. Will the project be of a temporary or permanent nature? **The Berth 301 Structure is Permanent.**

f. Please describe how the project will be designed to avoid adverse impacts to significant historical and archaeological resources, under the provisions of section 267.061, F.S. **4.2.14 Cultural and Tribal Resources. – Please note if Cultural and Tribal Resources are encountered, the permittee will follow the Florida Division of Historical Resources Compliance and Review Section notification guidance procedures including Section 872.05. F.S. if necessary.**

Please note the following is an excerpt from Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) - 425 Pages - January 2024 to support Section f.

"4.2.14.1 AFFECTED ENVIRONMENT

The Area of Potential Effect (APE) for the proposed project was identified as the boundary of the project footprint as shown on **Figure A-1** in **Appendix A**. The APE measures approximately 275 feet (ft; 83 meters [m]) in length and 700 ft (213 m) in width and amounts to a total of approximately 4 acres.

A review of Florida Master Site File (FMSF) data was conducted to identify known cultural resources and previous cultural resources surveys that have been conducted within 1 mile (mi; 1.6 kilometers [km]) of the APE. A memo summarizing the review is provided in **Appendix F.** The FMSF review indicated there have been eight previous cultural resources surveys conducted, and two archaeological sites identified within the 1 mi (1.6 km) search radius. There are no previously recorded standing structures, resource groups, cemeteries, or National Register of Historic Places (NRHP)-listed or -eligible properties within the APE or one mile buffer.

4.2.14.2 ENVIRONMENTAL CONSEQUENCES

According to the desktop survey, the proposed project would not be expected to impact any known cultural resources. MARAD requested concurrence from the State Historic Preservation Officer (SHPO). As discussed in **Section 7**, SHPO concurrence was received on July 31, 2023. SHPO also requested that permits for the project include a special condition regarding inadvertent discoveries, as detailed in **Section 6**.

4.2.15 Environmental Justice

4.2.15.1 AFFECTED ENVIRONMENT

The proposed project is located in Gibsonton, an unincorporated community and census-designated place (CDP) in Hillsborough County, Florida. According to the U.S. Census Bureau (USCB) American Community Survey (ACS), the population in the community increased from 2012 to 2021 by 14.09

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

percent from 15,989 to 18,242 persons (USCB, 2021b). The population of Hillsborough county was estimated to be 1,478,194 people in 2021 (USCB, 2021b). There is no population directly intersecting the proposed project area. The nearest residential homes are located approximately one mile east of the project area on nearby Adamsville Road.

Two census block groups are located within 0.25 miles of the proposed project, however CT 9900, block group 0 is located over Hillsborough Bay and contained no population so it was dismissed from the analysis. As shown on **Figure A-9 in Appendix A,** the project site lies within Census Tract (CT) 138.01, block group 1, block 1041. CT 138.01, block 1041 surrounds three sides of CT 138.01 block 1042, which contains the rest of the residential area between Port Redwing and South Tamiami Trail (US 41). The 2020 Census revealed that CT 138.01, block group 1, blocks 1 and 2 have a minority population of 55 percent (22 out of 40 individuals) and 62 percent (13 out of 21 individuals), respectively (USCB, 2020). Both census blocks are considered to be a minority population per the Council on Environmental Quality's Environmental Justice Guidance under NEPA, 1997.

The 2021 median household income estimate for Hillsborough County was $64,164 (USCB, 2021a). The 2021 median household income of CT 138.01 block group 1 was below 80 percent of the county's median income ($49,545) (USCB, 2021a). Approximately 17 percent of the households within CT 138.01 block group 1 are below poverty level. This does not mean that the entire block group is low-income but is an indication that there are likely low-income neighborhoods within the block group."

(Please see Attachment 7 - PTB Berth 301 draft Environmental Assessment (EA) - 425 Pages - January 2024).

g. Please describe how the project will be designed to avoid adverse effects to the current condition and relative value of functions being performed by areas affected by the proposed regulated activity. **Port Redwing is a very active industrial center. The proposed Berth 301 Project is a previously permitted and mitigated expansion of infrastructure that will further enhance the Port's abilities to accommodate the increase in activities due to the ongoing and future economic growth in the area. The Berth 301 project area, a dredged deepwater port berth, offers limited habitat value. (Please see Attachment 7 – PTB Berth 301 draft Environmental Assessment (EA) – 425 Pages – January 2024).**

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

APPLIED SCIENCES

June 20, 2025

Patrick Kline – Engineering Specialist I
Florida Department of Environmental Protection (FDEP)
Southwest District
13051 Telecom Pkwy N.
Tampa FL, 33637

email: Patrick.Kline@FloridaDEP.gov

RE: Port Tampa Bay (PTB) – Berth 301 Project – FDEP Permit Application - No. 29-0199767-026 - FDEP 1st RAI – Project Site Visit RAI - Response Letter and Package Submittal.

Dear Patrick,

Thank you for the coordination with our Team on the permitting for the **Port Tampa Bay (PTB) Berth 301 Project - FDEP Permit No.- 29-0199767-026.** From your comments below on the May 6, 2025 Project Site Visit, attached is the Berth 301 Revised Site Plan - Page V-101, depicting the requested site resources, with a description and comments below. The signed and sealed revised complete Berth 301 Plan set will be provided next week, but may be too large to email. If so we will request an Upload Site from you.

FDEP Site Visit additional Information email received from Patrick Kline on 6/5/2025:

Good morning Peter,

Attached above are the data forms as requested from the site visit on May 6th, 2025.
After internal review and discussion, it was noted that there were resources, such as mangroves and oysters, present at the site. Please provide revised project drawings depicting and quantifying these resources.
Please let me know if you have any questions or would like to discuss further.

RESPONSE:

Resources at the site consist of three (3) white mangroves (*Laguncularia racemosa*). The white mangroves are all above the Mean High Water Line, established within the existing rip rap, and none of the mangroves at the site exceeded 3.5 feet in height.

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

#25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Established on the existing riprap are areas of scattered oysters (*Crassostrea sp.*). The oysters are limited to the artificial structures and occupy an approximate area of 1,500 ft^2 along the area of the proposed berth. Due to the relative abundance of this species both locally and regionally, it is expected that the new structures associated with Berth 301 will be quickly colonized, replacing this resource. (Please see Attachment 1 - Berth 301 Revised Site Plan - Page V-101 depicting the site resources).

It should also be noted that the entirety of impacts associated with the development of the Port Redwing peninsula were mitigated for under permit number 29-0199767-001, and modification 29-0199767- 005. The permit authorized the relocation of the mitigation to Cockroach Bay Aquatic Preserve. The mitigation was deemed successful by FDEP in September 2016.

For the Port Tampa Bay - Berth 301 FDEP Site Visit RAI Response Package, please find the following attachments:

- **This Transmittal Letter: (electronic copy).**
- **Attachment 1- Berth 301 Project – Revised Site Plan - Page V-101 depicting the site resources (electronic copy).**

Applied Sciences serves as the permit coordinator and contact for the Berth 301 Project FDEP Permitting and Site Visit - RAI Response Package on behalf of the Moffatt & Nichol team. The attached information was prepared through a collaboration of our team members on this project. If you have any questions or need any clarifications, please do not hesitate to contact me at (813) 228-0900 or at earaj@appliedfl.com.

Respectfully submitted,

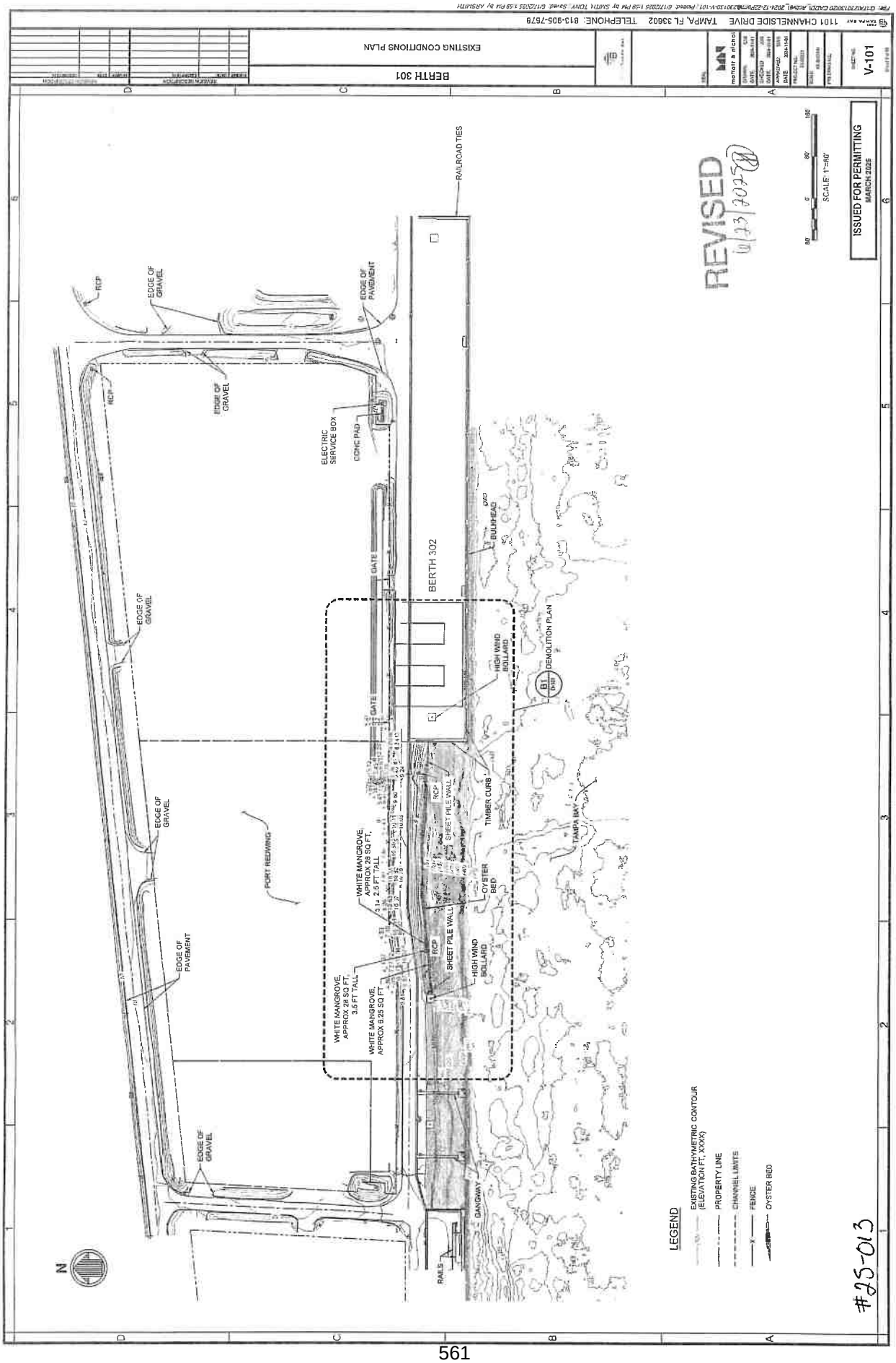
Elie G. Araj, PE, CFM, ENV SP, D.WRE
Principal

Attachments:

RECEIVED
JUL 08 2025
ENVIRONMENTAL DEPT.

#25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Jackelyn Julien

From: Mike J Seifert
Sent: Thursday, June 26, 2025 3:39 PM
To: Jose DeJesus
Cc: Peter Owens; Jackelyn Julien; Christopher Cooley; Thomsen, Karina; Patrick Blair; Smith, Gary
Subject: Re: SWPA #25-013 - TPA/PTB Engineering - New Berth 301 - Application Review_ 20250623

13. Do you have any specific Construction Methodology narrative for this project? There are pieces in the Project Narrative, Geotech Report, in Notes on Site Plan sheets, and the PTB Fill Form. How do you plan on working around the limestone encountered at -40 ft for the sheetpile installation? Sounds like work is to be done from both the uplands & barge. What is the anticipated sequence of construction events? Are they going to follow the Geotech recommendation (Sections 5.5 and 6)?

Response: This is a standard sheet pile/pipe pile combination construction. The plans and specifications speak to the narrative of construction methodology. It is necessary for the King piles to penetrate the limestone at -40, and for the sheet pile to achieve the minimum depth to achieve proper capacity of the wall. This is standard for sheet pile wall construction. The Geotech report is an integral part of the design for this project and the recommendations shall be followed as deemed appropriate by the Engineer of Record and Port Engineer.

Michael Seifert, P.E. PSM
Senior Professional Engineer
Work mobile: (813) 220-8487
Mobile: (813) 382-7186

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Geotechnical Engineering Services Report
Proposed Berth 301
Gibsonton, Florida
S&ME Project No. 23840128

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

PREPARED FOR:
Moffatt & Nichol
501 East Kennedy Boulevard, Suite 1910
Tampa, Florida 33602

PREPARED BY:
S&ME, Inc.
7410 Northside Drive, Suite 110
Charleston, South Carolina 29420

February 21, 2025

25-013 - Attachment 5

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

February 21, 2025

Moffatt & Nichol
501 East Kennedy Boulevard, Suite 1910
Tampa, Florida 33602

Attention: Mr. John D. Glass, P.E.

Reference: **Geotechnical Engineering Services Report**
Proposed Berth 301
Gibsonton, Florida
S&ME Project No. 23840128

Dear Mr. Glass:

S&ME, Inc. (S&ME) has completed our geotechnical engineering services for the proposed Berth 301 at Port Tampa Bay in Gibsonton, Florida. Our services were provided pursuant to S&ME Proposal No. 23840128 dated June 8, 2023, as authorized by Moffatt & Nichol with the issuance of a Subconsultant Agreement dated September 7, 2023.

The purposes of our services were to explore the subsurface conditions at the subject site, to determine the general engineering characteristics of the materials encountered and to provide geotechnical engineering design information for use by others to develop design alternatives and cost estimates.

S&ME appreciates the opportunity to be of service to Moffatt & Nichol and Port Tampa Bay. Please contact us if you have any questions.

Sincerely,

S&ME, Inc.

AARON D. GOLDBERG LICENSE No 78158 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Aaron D Goldberg
DN: CN = Aaron D Goldberg C = US O Unaffiliated
Date: 2025.02.21 17:51:15 -05'00'

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Aaron D. Goldberg, PE, BC.GE
Principal Engineer
Florida License No. 78158

Andrew Fiehler, PE (KY)
Senior Geotechnical Engineer

This item has been digitally signed and sealed by Aaron D. Goldberg, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Table of Contents

1.0 Introduction 1
1.1 Purpose 1
1.2 Project Information 1
1.3 Scope of Services and Report Format 1
2.0 Site Information 1
2.1 Site Description 1
3.0 Exploration and Testing Programs 2
3.1 Field Exploration 2
3.2 Laboratory Testing Program 2
4.0 Subsurface Conditions 2
4.1 Soil Conditions 2
4.2 Water Levels 3
5.0 Conclusions and Recommendations 3
5.1 General 3
5.2 Sheet Pile Walls 3
5.2.1 Soil Parameters for Sheet Pile Wall Design 3
5.2.2 General Design and Construction Considerations for Sheet Pile Walls 4
5.3 Driven Pile Recommendations 5
5.3.1 General 5
5.3.2 Axial Pile Analysis 5
5.3.3 Lateral Pile Information 6
5.4 Ground Improvement Options 6
5.5 Recommendations for Site Development 7
6.0 Site Preparation Recommendations 7
6.1 Stripping, Grubbing, and Demolition 7
6.2 Evaluation of Exposed Subgrade Soils 8

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

6.3 Surface Soil Compaction 8
6.4 Structural Fill/Backfill 8
6.5 Subgrade Repair and Improvement Methods 9
6.6 Excavations 9
7.0 Pavement Design Considerations 9
8.0 Guidelines for Construction Observation and Testing 10
9.0 Limitations 10

List of Tables

Table 5-1: Design Parameters for Soil Fill 4

Appendices

Appendix I – Figures and Soil Boring Logs
Appendix II – Laboratory Testing Results
Appendix III – Field and Laboratory Testing Procedures

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

15 - 013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

1.0 Introduction

1.1 Purpose

The purpose of our services was to explore the general subsurface conditions at the subject site, to estimate the general engineering characteristics of the materials encountered, and to provide geotechnical assistance for berth design. This report presents geotechnical information for use by others to develop design alternatives and cost estimates.

1.2 Project Information

The Berth 301 Marine Infrastructure project is comprised of an approximately 500-foot long berth at Port Redwing (part of Port Tampa Bay) that will adjoin with the existing Berth 302. The project will consist of a sheet pile wall bulkhead with tie backs and include a high wind bollard. The Berth itself was dredged previously.

1.3 Scope of Services and Report Format

Our scope of services included site reconnaissance, field exploration, laboratory testing, and geotechnical engineering assessments of the encountered subsurface condition. The following sections of this report present discussions about the field exploration, laboratory testing programs, site conditions, and our corresponding conclusions and recommendations. Figures, soil boring logs, and soil parameters are presented in Appendix I while laboratory testing results are presented in Appendix II. Field and laboratory testing procedures are presented in Appendix III.

2.0 Site Information

2.1 Site Description

The subject area is located near the western end of Port Redwing in Gibsonton, Florida. The berth area is west of the existing Berth 302. The location of the proposed berth is depicted on the Site Location Plan (Figure 1 in Appendix I).

A review of historical aerial photographs showed that the Port Redwing area was generally undeveloped until sometime between 1998 and 2002, except for the construction of Diana Toledo Almeida Road. Berth 300 first appears in the 2010 aerial image and the construction of Berth 302 is seen in the 2017 aerial image. In the 2019 aerial image, the site appears to be in the same configuration as seen at the time of our site work. Based on our site observations, it appears that the existing roadway is supported on 4 to 6 feet of fill placed to construct the area and raise site grades.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

3.0 Exploration and Testing Programs

3.1 Field Exploration

Based on the planned improvements, we developed a direct testing program. Drilling was performed from both a barge-mounted rig and a truck-mounted drill rig. The six test locations and depths were selected by S&ME with the concurrence of the design team. Three marine borings were drilled in the water to a depth of 100 feet below the water surface and three borings were drilled on land to a depth of 100 feet below the existing ground surface to obtain data for use in our site characterization. The boring locations were established in the field using a hand-held GPS unit. The marine borings were offset from the originally planned locations based on the encountered water depth and on vessel activity in the area at the time of drilling. The boring locations are presented in Figure 2 in Appendix I.

Sampling of the soils was accomplished using the Standard Penetration Test (SPT) procedure (ASTM D1586). SPT N-values were generally obtained at the mudline and then at 5-foot intervals thereafter. For the land borings, SPT N-values were obtained continuously for the upper 10 feet, and then at 5-foot intervals thereafter. After drilling was completed, the borings were backfilled with a cement-bentonite grout. We conducted all drilling and sampling in general accordance with applicable ASTM standards. The SPT borings were drilled between September 12 and September 19, 2023.

3.2 Laboratory Testing Program

After completion of the field drilling and sampling phase of this project, recovered soil samples were returned to our laboratory where they were visually classified by a geotechnical engineer. Select soil samples were tested for percent fines (ASTM D1140). Results of these tests are presented on the soil boring logs in Appendix I at the depth of the individually tested soil sample. Additional samples were also selected for corrosion series testing which consisted of pH, chlorides, sulfates, and resistivity testing. These samples were tested in accordance with Florida Department of Transportation (FDOT) laboratory test methods FM5-550, FM-551, FM5-552, and FM5-553, respectively. The results of the laboratory testing are presented in Table II-1 in Appendix II.

4.0 Subsurface Conditions

4.1 Soil Conditions

The marine borings encountered water depths of 28 to 40 feet at the time of drilling. Boring M-1 encountered clay (CL) that was mostly very stiff to very hard from the mudline to a depth of about 83 feet. The clay was underlain by limestone to the termination depth of 100 feet (depth is measured from the water surface). Borings M-2 and M-3 encountered a more variable profile consisting of alternating layers of fine sands (SP), sands with clay (SP-SC), clayey sands (SC), and clay (CL) that varied in stiffness from very loose to medium dense from the mudline to a depth of about 73 to 83 feet. Beneath the clay and sand layers we encountered limestone extending to the termination depth of 100 feet below the water surface.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT
25-013
568

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

The borings drilled on land encountered surface materials consisting of clayey sand (SC) at B-1, pavement at B-2, and limerock fill at B-3. Under the surficial materials, the borings encountered alternating layers of fine sands (SP), sands with clay (SP-SC), and sands with silt (SP-SM) that were very loose to medium dense to a depth range of about 37 to 42 feet. The upper sands were underlain by layers of loose to very dense clayey sands (SC), very stiff to very hard clays (CL), and limestone to depths of about 77 to 92 feet. The land borings then encountered limestone that exhibited moderate to high resistance to penetration testing to the termination depth of 100 feet.

The above subsurface description is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The soil boring logs included in Appendix I should be reviewed for specific information at individual boring locations. The transition between materials will be more, or less gradual than indicated and may be abrupt. Information on actual subsurface conditions exists only at specific boring locations and is relevant to the time the exploration was performed. Variations may occur and should be expected between boring locations.

4.2 Water Levels

The water depth at the marine test locations ranged from 28 to 40 feet while groundwater was encountered at a depth of about 10 feet below the ground surface in the borings drilled on land. Water depths will fluctuate due to tidal changes at the test locations. The water depth information presented in this report was collected at the time of our exploration as noted on the individual logs.

5.0 Conclusions and Recommendations

5.1 General

The conclusions and recommendations presented in this report are based on the preceding project information and the results of this exploration. Actual subsurface conditions may vary between or away from the soil boring locations and should be expected. If it becomes apparent during construction that the conditions encountered vary substantially from those presented herein, this office should be notified at once. At that time, the conditions can be evaluated, and the recommendations of this report modified, in written form, if necessary.

When reviewing these recommendations, keep in mind that, as with any site, unexpected subsurface conditions may be encountered. These variable conditions can normally be handled during construction by field engineering evaluation.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

5.2 Sheet Pile Walls

5.2.1 Soil Parameters for Sheet Pile Wall Design

We understand that the current design includes a Pipe-Z king pile wall system. This system is proposed to consist of 60-inch diameter steel pipe king piles and NZ-19 steel sheet piles. The actual sheet pile wall design will be performed by Moffat & Nichol (M&N). Soil strength is normally defined in terms of a cohesion value, c, for clays or an angle of internal friction, ϕ, for sands. The results of the borings were used to estimate shear strength,

25-0173

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

friction angle, and other soil parameters for use in the design of the sheet pile wall. The design of the walls should consider the surcharge loads from the operations and traffic loading behind the wall. The walls should be designed for the maximum planned dredge depths and fill heights. The soil properties are presented in Appendix I. For fill soils placed above existing grade, these are anticipated to be compacted sand fill with the parameters presented in Table 5-1.

Table 5-1: Design Parameters for Soil Fill

Soil Model	Cohesion/ Adhesion (psf)	Friction Angle (Φ)	Total Unit Weight (pcf)	k (pci)	E_{50}
Sand	-	34°	120	125	-

Notes: k = Soil Modulus Parameter. E_{50} = Soil Strain Parameter

The wall designer should also consider variations in hydrostatic levels in the design.

5.2.2 *General Design and Construction Considerations for Sheet Pile Walls*

Based on the information provided, the new wall design will have a continuous sheet pile deadman anchor with tie rods. The soil parameters referenced above can be used for design of the anchor wall. The tie rods are shown at El. +1.80 feet at the king pile wall with the top of the anchor pile at El. +4.50 feet.

Installation of the king piles and intermediate sheets may be difficult given the very hard clay and weathered limestone encountered starting at about elevation -40 feet at the project site. Project design requires significant penetration into hard soils and limestone. Installation of the sheets by vibratory methods alone may be difficult. The Contractor should be made aware that these hard materials will be encountered and that special equipment, predrilling, or other similar forms of penetration procedures such as excavation and backfilling, punching, spudding, etc. will be needed to facilitate sheet pile installation.

If the sheets are stiff enough, they could be impact driven. However, this method of installation likely would increase the potential for the sheets to become damaged and out of alignment, possibly impacting adjacent sheets or king piles due to interlock damage. Predrilling should be considered for sheetpile installation. If predrilling is not performed and the sheets reach refusal above the design elevation, sheet removal and additional penetration aids would be needed to install the sheets without damage. Additional predrilling may be needed depending upon the final required penetration. It may also be necessary to post-grout the tips of the sheets to restore lateral stability based on the method of installation.

It is possible that the pipe king pile section could be driven to the required tip elevation, but this will not be known until the test pile program or production piles are installed. Predrilling may be needed but since these elements are stiffer, it may be possible to impact drive them to the required penetration. A foundation drill should be planned for since a typical pile auger will not be able to drill the hard clay and limestone encountered. Also, a larger than normal pile hammer will be needed to reach the required penetration even though there is not a significant axial capacity requirement for these king piles.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Structural fill and backfill materials placed within the berth area should consist of cohesionless sandy soils containing no more than 12 percent fines (material passing the No. 200 sieve) by dry weight (Unified Soil Classification of SP or SP-SM). The soil should be free of organics, deleterious matter, and elongated or flat pieces susceptible to degradation. It was also assumed that the fill will be placed in the wet. Placement of soil underwater will result in very low densities. Therefore, some form of densification will be needed. A robust vibro-compaction/vibro-replacement program designed by a specialty contractor is recommended to densify the backfill soils. However, consideration of possible damage of the new king pile wall and anchors, nearby structures, utilities and other critical features must be considered. It should be noted that prior to filling and sheet installation, any existing shore protection materials/debris (steel, concrete, etc.) should be removed from the wall alignment specifically and from within the reclamation area in general.

5.3 Driven Pile Recommendations

5.3.1 General

Installation of piles to their required tip elevations may be difficult given the very hard clay and weathered limestone encountered at the site. The Contractor should be made aware that this hard material will be encountered and that large pile hammers, special equipment and/or predrilling (or other similar forms of penetration procedures such as excavation and backfilling, punching, spudding, etc.) will be needed to facilitate pile installation. It is possible that the pile sections could be driven to the required tip elevation, but this will not be known until the test pile program or production piles are installed. For predrilling, a foundation drill should be planned for since a typical pile auger will not be able to drill the very hard clay and hard limestone encountered. Also, a pile hammer larger than that indicated by the required axial bearing will be needed to reach the required penetration.

5.3.2 Axial Pile Analysis

As requested, we have evaluated individual 42-inch diameter open-ended steel pipe piles for high wind bollard support. Axial pile capacity analyses were performed using the soils data from Boring B-3 located near the high wind bollard with the computer program SPT-97. The analyses assumed a fully embedded pile with a bollard located above the highwater line. A plot of ultimate compressive and ultimate tension axial pile capacity with elevation for an individual 42-inch diameter open-ended steel pipe pile with a wall thickness of ½ inch and is presented on Figure 3 in Appendix I. A factor of safety of at least 2 should be used to establish an allowable axial compressive capacity and a factor of safety of at least 3 should be used to establish an allowable axial tension capacity assuming dynamic testing of at least 10% of the production piles is to be performed. We understand that one high wind bollard will be constructed with a group of four piles, and one PDA test is specified. As stated above, predrilling or other methods may be needed to achieve the required penetration. For steel pipe piles, the predrill diameter should be less than the pile diameter to limit the reduction in skin friction over the predrilled zone. The pipe piles may reach driving refusal and obtain the required axial compressive capacity above the elevations shown on the plot but must penetrate to at least the minimum tip elevation of -36 ft elevation. Shallow hard rock formations may allow full development of the pile axial compression capacity, but skin friction/tension can be significantly limited. In that case, pile tension capacity or lateral resistance will be the governing criteria.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

An efficiency factor of 1.0 accounting for capacity reductions caused by group effects should be used for center-to-center pile spacings of three pile diameters or more. A center-to-center spacing of three pile diameters is the minimum recommended for axial capacity. The structural capacity of the piles has not been considered in our analysis and must be evaluated by the project structural engineer.

Based on our experience with similar projects, hydraulic, air, or diesel pile hammers should be suitable for pile installation.

5.3.3 *Lateral Pile Information*

Soil/rock parameters were estimated for each boring (B-1 to B-3 and M-1 to M-3) and are presented in Appendix I.

5.4 Ground Improvement Options

Ground improvement is recommended to densify the very loose to loose existing sands and the fill placed below the water surface and transfer a portion of the fill and operational loads to the lower limestone. Because the ground improvement would be performed prior to completion of fill placement, the ground improvement would need to be designed to support both fill and operational loads. It is our professional opinion that it is necessary to treat soils beneath the entire berth footprint (under all paved areas). Additionally, the use of ground improvement will reduce the magnitude of differential settlement across the berth from the berth face to the landside terminus.

Although other options are available, we recommend vibrocompaction for the ground improvement at the site.

Vibrocompaction is an applicable ground modification method that can effectively reduce the settlement due to the loose sand that will be placed at the site. Vibro-compaction is a densification method commonly used in marine reclamation. It consists of a specially designed vibrator (or vibroflot) that penetrates through the ground with a combination of self-weight, vibrations, and air or water jets. The vibrator is typically suspended from a crane. Once the probe has reached the desired depth, clean sand backfill is introduced in lifts around the annular space of the vibrator. Depending upon the nature of the sand fill used in the reclamation, stone backfill may be necessary to achieve the required compaction. Because the contractor is responsible for supplying the fill for the reclamation, they should also be required to provide stone, if necessary, as part of the vibrocompaction. Each lift is re-penetrated until the desired compaction is achieved. This re-penetration and the vibration of the probe compacts the surrounding soil. The process is completed up to ground level.

For the 1,000 psf design surface load, vibrocompaction should target a density measured by SPT N-values of an average of 25 blows per foot, with no single value falling below 20. This densification specification should apply to the sand compacted via vibrocompaction below a depth of 5-ft. Surface compaction with a heavy vibratory roller will be necessary following vibrocompaction.

Regardless of the densification system chosen, it should be engineered and designed by the specialty contractor to achieve the desired performance (i.e., settlement control) under both static and operational loadings (including the harbor crane).

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

5.5 Recommendations for Site Development

As discussed above, additional site preparation will be needed to develop the site and achieve satisfactory performance and design life. The following is our anticipated construction process (highly simplified):

1. Remove debris (steel, concrete, rubble, etc.) and organics (grass, brush, etc.) from within the structure and reclamation footprint.
2. Install bulkhead piles.
3. Place structural fill from the existing ground surface elevation until a suitable working equipment platform can be constructed (likely 2 to 3 feet above the water level). It may be necessary to place a gravel working platform for the vibrocompaction equipment.
4. Densification via vibrocompaction as designed by the specialty contractor.
5. Place clean sand fill in compacted lifts to the design elevation.
6. Install any required utilities.
7. Complete site paving.

If it is necessary to place the anchor piles and tie rods prior to vibrocompaction, this may impact the layout of the vibro points and the specialty contractor should be made aware of this prior to them completing densification. Settlement of the reclamation backfill and impact upon the tie rods must be considered.

6.0 Site Preparation Recommendations

6.1 Stripping, Grubbing, and Demolition

Site preparation should begin with the removal of all unsuitable surface materials. This will include stripping, clearing, and grubbing all vegetation and undercutting any unsuitable materials (steel, concrete, debris, etc.) from proposed construction areas. As a minimum, it is recommended that the clearing operations extend at least 10 feet beyond the perimeter of development areas. Strippings, debris, and organic soils should be disposed of in accordance with the owner's instructions.

Debris, stumps, taproots, and roots in a dense state should be completely removed and voids created should be cleaned and backfilled with well-compacted structural fill as defined in Section 6.4. Holes larger than 3 feet in diameter, resulting from the removal of any object or material, should be ramped to allow compaction of the bottom and sides with mechanical equipment prior to filling. Provisions should then be made to remove or relocate any interfering utility lines within the construction area to appropriate locations. In this regard, it should be noted that if abandoned underground pipes are not properly removed or plugged, they may serve as conduits for subsurface erosion, which may subsequently result in excessive settlements.

In conjunction with backfilling operations, it may be necessary to establish positive temporary groundwater and surface water control measures to improve construction trafficability and facilitate drying of the surface soils to allow acceptable compaction. The groundwater level should be lowered by at least 2 feet beneath the surface of any excavations made during construction and at least 2 feet below the surface of any vibratory surface compaction operations.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

6.2 Evaluation of Exposed Subgrade Soils

Following stripping and grubbing operations, the exposed subgrade soils in the berth area should be evaluated by the geotechnical engineer by proofrolling with a heavily loaded, tandem-axle dump truck or similar rubber-tired equipment. Areas of unstable soils should be undercut and backfilled with compacted structural fill, as recommended by the geotechnical engineer, or scarified and densified in place (after adjusting moisture content to near optimum). In general, the extent and depth of any undercutting will depend upon final grades, weather conditions during construction, the aggressiveness of the earthwork schedule, site drainage, and the grading contractor's experience, equipment, means, and methods. Given the loose upper soils and clean sand fill specified, this step should not be omitted.

Thorough subgrade evaluations and proofrolling will be very important, and some undercutting and replacement of existing in situ soils should be anticipated. If grading takes place in wet conditions, undercutting soils at this site should be expected.

6.3 Surface Soil Compaction

After stripping and proofrolling and prior to fill placement, exposed soils should be uniformly compacted to at least 95 percent of the modified Proctor (ASTM D1557) maximum dry density to a depth of at least 12 inches below the compacted surface.

During the compaction process, the moisture content of the soils may need to be adjusted to facilitate proper compaction. If additional moisture is needed to achieve compaction, then water should be applied evenly and in such a way that it will not cause erosion or removal of subgrade soils. If applied water does not penetrate sufficiently deep into natural soils, it will be necessary to disk or otherwise break up the soils before and during the application of water. If the moisture content is too high, it may be necessary to disk the soil and allow it to dry prior to compaction. A moisture content within two percent of the optimum indicated by the modified Proctor test is recommended prior to compaction of the natural ground and structural fill.

Vibratory compaction equipment should not be allowed to operate within 75 feet of any existing buildings or critical underground utilities. Within this range, compaction of the exposed subgrade soils and any structural fill should be conducted with lightweight walk-behind vibratory equipment or with rollers in static mode.

6.4 Structural Fill/Backfill

Structural fill/backfill materials should consist of cohesionless sandy soil containing no more than 12 percent fines (material passing the No. 200 sieve) by dry weight (Unified Soil Classification of SP or SP-SM). The soil should be relatively free of organics (less than 5%), deleterious matter, and elongated or flat particles susceptible to degradation.

Structural fill should be placed and compacted in loose lift thicknesses appropriate for the compaction equipment being used. For drum rollers at least 30 inches in diameter, the maximum loose lift thickness should be no greater than 12 inches in thickness. For smaller, walk-behind compaction equipment, the lift thickness should be limited to 6 inches. All material being used as fill should be tested and approved by the geotechnical engineer before

RECEIVED
APR 0 9 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

placement. Structural fill/backfill should be compacted until densities of at least 95 percent of the modified Proctor (ASTM D1557) maximum dry density are uniformly obtained in the lift being compacted.

Compaction immediately adjacent to walls (retaining or abutment) should also be limited to lighter equipment but should achieve the same degree of compaction.

6.5 Subgrade Repair and Improvement Methods

The portions of the exposed subgrade which consist of clayey soils can deteriorate when exposed to construction activity and environmental changes such as erosion, softening from ponded rainwater, and rutting from construction equipment. We recommend the exposed subgrade surfaces that have deteriorated be properly repaired by scarifying and recompacting immediately prior to construction. If this must be performed during wet weather conditions, it would be worthwhile to consider undercutting the deteriorated soil and replacing it with compacted structural fill or, at the discretion of the geotechnical engineer, with compacted crushed stone.

6.6 Excavations

Based on the results of the borings and the anticipated grades, excavations are expected to extend through very loose to medium dense clayey sands (SC) and silty sands (SM). All excavations should be sloped or shored in accordance with local, state, and federal regulations, including OSHA (29CFR Part 1926) excavation trench safety standards. The contractor is solely responsible for site safety. This information is provided only as a service and under no circumstances should S&ME be assumed to be responsible for construction site safety.

Our experience is that buried debris can be encountered in previously developed sites and the contractor should be made aware of this possibility.

Excavations and below-grade construction should be conducted "in the dry." Prior to excavation, the groundwater level, if encountered, should be lowered and maintained at least two feet below the bottom of the excavation to limit the potential for instability. The contractor is responsible for verifying groundwater levels during construction. The contractor is also responsible for the design, installation, and maintenance of a properly functioning dewatering system. The design of the dewatering system should be in conjunction with the design of any excavation support system.

Exposed subgrade soils at the bottoms of excavations should be evaluated by the geotechnical engineer or their designated representative prior to backfilling and prior to steel and concrete placement. If unsuitable soils or soils that cannot be readily moisture conditioned and compacted are encountered at the bottoms of excavations, then these soils should be over-excavated at least two feet beneath the bottom of the foundation and replaced with compacted structural fill.

7.0 Pavement Design Considerations

One of the most critical influences on the pavement performance in Florida is the relationship between the pavement subgrade and the seasonal high groundwater level. Many roadways and parking areas have been destroyed as a result of deterioration of the base and the base/surface course bond. Perched and/or trapped

RECEIVED
APR 05 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

water will likely occur atop the clayey sands and silty sands encountered at the site after periods of heavy or prolonged rainfall. If clayey soils are encountered within 2 feet of the bottom of the pavement base course, this material should be undercut and replaced with compacted structural fill. It will be necessary to provide a positive drainage outlet (such as underdrains) depending upon site grades such that water does perch under the pavement base.

8.0 Guidelines for Construction Observation and Testing

Prior to initiating compaction operations, we recommend that representative samples of the structural fill material to be used and the exposed in-place soils are collected and tested to determine their compaction and classification characteristics. The maximum dry density, optimum moisture content, gradation, and plasticity characteristics should be determined. These tests are needed for compaction quality control of the structural fill and existing soils and to determine if the fill material is acceptable.

An engineering technician, under the direction of a geotechnical engineer, should monitor all ground improvement, pile installation, excavations, undercutting and removal of debris, filling, backfill placement and compaction, and proofrolling operations. A representative number of in-place field density tests should be performed in the compacted existing soils and in each lift of structural fill or backfill to confirm that the required degree of compaction has been obtained. In-place density tests should also be performed at representative locations in the bearing level soils in the footing excavation bottoms. Field density tests should be performed within fill areas at a frequency of not less than one (1) test per 2,500 square feet per lift in the berth areas, or at a minimum of two (2) test locations per lift, whichever is greater. For compacted fill placed beneath pavements, field density tests should be performed at a frequency of not less than one (1) test per 5,000 square feet per lift, or at a minimum of two (2) tests per lift, whichever is greater. In addition, we recommend that at least one (1) density test be performed for every 200 linear feet of utility trenches.

9.0 Limitations

This report has been prepared in accordance with generally accepted geotechnical engineering practice for specific application to this project. The conclusions and recommendations contained in this report are based upon applicable standards of our practice in this geographic area at the time this report was prepared. No other representation or warranty either express or implied, is made.

We relied on project information given to us to develop our conclusions and recommendations. If the project information described in this report is not accurate, or if it changes during project development, we should be notified of the changes so that we can modify our recommendations based on this additional information if necessary.

Our conclusions and recommendations are based on limited data from a field exploration program. Subsurface conditions can vary widely between explored areas. Some variations may not become evident until construction. If conditions are encountered which appear different than those described in our report, we should be notified. This report should not be construed to represent subsurface conditions for the entire site. The samples that were

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

not altered by laboratory testing will be retained for 60 days from the date of this report and then will be discarded.

Unless specifically noted otherwise, our field exploration program did not include an assessment of regulatory compliance, environmental conditions or pollutants or presence of any biological materials (mold, fungi, and bacteria). If there is a concern about these items, other studies should be carried out. S&ME can provide a proposal and perform these services if requested. S&ME should be provided with the opportunity to review the final plans and specifications to confirm that earthwork, foundation, and other recommendations are properly interpreted and implemented. The recommendations in this report are contingent on S&ME's review of final plans and specifications followed by observation and monitoring of earthwork and foundation construction activities.

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Berth 301 Wharf

Permit Submittal Stormwater Report

Project No. 23-00323

PREPARED FOR:

PORT TAMPA BAY

Port Tampa Bay
1101 Channelside Dr.
Tampa, FL 33602

PREPARED BY:

Moffatt & Nichol
501 E. Kennedy Blvd. Suite 1901
Tampa, FL 33602

March 2025

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013 - Attachment 4

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PROFESSIONAL ENGINEER CERTIFICATION

I hereby certify that I am a registered professional engineer in the State of Florida practicing engineering with **Moffatt & Nichol** and that I have supervised the preparation of and approve the analysis, findings, opinions, conclusions and technical advice hereby reported for:

PROJECT: Berth 301 Wharf, Port Tampa Bay
PTB PROJECT NO. 23-00323
Hillsborough County, Florida

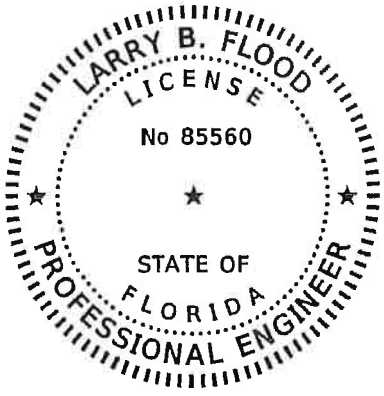
The engineering work represented by this document was performed through the following duly authorized engineering business:

Moffatt & Nichol
501 E. Kennedy Blvd. Suite 1901
Tampa, FL 33602
Certificate of Authorization: 4877
Telephone: 813-258-8818

This report provides drainage analysis and design for the Berth 301 Wharf by Port Tampa Bay. I acknowledge that the procedures and references used to develop the results contained in this report are standard to the professional practice of hydrologic analysis and hydraulic engineering as applied through professional judgment experience.

Any engineering analysis, documents, conclusions, or recommendations replied upon from other professional sources or provided with responsibility by the client are referenced accordingly in the following report.

Larry B. Flood State of Florida, Professional Engineer, License No. **85560**
This document has been digitally signed and sealed by Larry Flood on the date adjacent to the seal:



Larry B Flood 2025.03.27 16:48:05-04'00'

Printed copies of this document are not considered signed and sealed. The signature must be verified on the electronic copies.

The above named professional engineer shall be responsible for the following portions of this document in accordance with rule 61G15-23.004, F.A.C

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Project Location 1
1.2 Purpose of Drainage Report 1

2.0 STORMWATER MANAGEMENT CRITERIA 1
2.1 Stormwater Permitting Criteria 1

3.0 FLOODPLAIN 2

4.0 EXISTING CONDITIONS 2

5.0 PROPOSED CONDITIONS 3

APPENDICES

APPENDIX A - Figures

APPENDIX B - Calculations

APPENDIX C – Excerpts from Previous Reports.

APPENDIX D – Site Photos

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

1.0 INTRODUCTION

The purpose of this report is to detail the stormwater improvements completed as part of the construction of berth 301. Berth 301 is an extension of the existing berth 302 within Port Redwing to provide additional vessel capacity. The proposed berth will provide an additional 500 feet of berth face for Port Redwing. Port Tampa Bay has tasked Moffatt & Nichol with designing berth 301.

The new berth will require modifications to the existing stormwater system. The proposed stormwater improvements will include a trench drain to collect stormwater runoff from the proposed berth and access road. The runoff will be directed to a proposed exfiltration system behind the existing access road. The exfiltration system will utilize a modified manhole with a concrete weir to discharge into Tampa Bay.

1.1 PROJECT LOCATION

The project limits are located within Section 4 of Township 31 South, Range 19 East in Hillsborough County, Florida. The project begins at the intersection of DeLeon Street and Florida Avenue near Latitude 17°48'29.8" N and Longitude 82°24'23.1" W. The project falls within the regulatory boundaries of the Southwest Florida Water Management District (SWFWMD). A Project Location Map has been provided in **Appendix A**.

1.2 PURPOSE OF DRAINAGE REPORT

This report will provide documentation of the improvements to Port Redwing and the addition of berth 301. This report will document the proposed improvements and verify that the stormwater management facility will meet all required criteria. Proposed improvements will follow regulatory requirements and Best Management Practices as set forth in the FDOT Drainage Manual, 2024.

2.0 STORMWATER MANAGEMENT CRITERIA

The project lies within the jurisdiction of the Southwest Florida Water Management District and includes the construction of approximately 500 feet of new berth within Port Redwing. Runoff from the proposed berth will be captured and treated on site.

The proposed stormwater management system will be sized to capture the required treatment volume. The project area discharges into Tampa Bay, therefore no attenuation calculations are required for this project.

2.1 STORMWATER PERMITTING CRITERIA

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

The following criteria were collected from the latest editions of the following.

A. SWFWMD

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Environmental Resources Permit Applicants Handbook, Volume II.

B. Hillsborough County Public Works

Stormwater Management Technical Manual

WATER QUALITY

For exfiltration systems, the treatment system must treat the first 1 inch of runoff from the basin. If the project area is less than 100 acres, 0.5 inches of runoff from the basin area may be used.

WATER QUANTITY

The proposed stormwater management facility will discharge into Tampa Bay, a tidally influenced waterbody. Therefore, no water quantity calculations are required for this project.

RECOVERY

The required treatment volume shall be available within 72 hours of a storm event.

3.0 FLOODPLAIN

Review of the current FEMA flood maps shows the project located in Flood Zone AE, elevation 12 feet. It is assumed that this area is a tidally influenced floodplain due to the project site's location within Tampa Bay. No floodplain encroachment is anticipated as part of this project. A floodplain map is provided in **Appendix A**.

4.0 EXISTING CONDITIONS

The existing waterfront within the project boundary is currently undeveloped, with riprap lining the shoreline and two existing stormwater outfalls draining the upland portion of Port Redwing. The project site is adjacent to berth 302, which has already been constructed and is in use.

An existing access road crosses the site and runs along the entire waterfront portion of Port Redwing. The existing access road was constructed to provide access to Berth 302. The existing access road collects runoff within a series of curb and gutter inlets which direct the discharge to two small retention ponds located on the north side of the road. Stormwater calculations for the access road were completed by ICON in a stormwater report dated November 2017.

An existing unmaintained ditch runs along the back side of the project site. The existing ditch collects runoff from the upland portion of Port Redwing and discharges via two existing storm

RECEIVED
582 APR 09 2025
ENVIRONMENTAL DEPT
25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

sewer pipes into Tampa Bay. A selection of photos from the site visit are included in **Appendix D.**

5.0 PROPOSED CONDITIONS

The project involves the construction of berth 301 to provide increased vessel capacity for Port Redwing. Berth 301 will be constructed adjacent to existing berth 302 and will provide an additional 500 feet of berth face.

The proposed berth will match the existing slope on berth 302 and will be sloped to drain north toward the existing access road. A proposed trench drain will be added at the landside edge of the berth to collect runoff from both the existing access road and the proposed berth. The trench drain will grade to a single outfall point near the middle of the berth. The trench drain will discharge to a proposed exfiltration system running along the north side of the existing access road. Stormwater conveyance calculations are provided in **Appendix B.**

A portion of the access road currently treated in the existing ponds will be captured and treated in the new exfiltration system. Removing a portion of the access roads from the existing ponds basin areas will result in surplus treatment volume available in the existing ponds.

The proposed exfiltration system will utilize a 36" perforated pipe with a 5-foot wide by 5.85-foot-deep aggregate layer. Proposed manholes will be located at the ends of the exfiltration system. The proposed manholes will include a sump to reduce the amount of debris entering the system. A modified manhole containing a concrete weir will act as a control structure for the system. The top of the weir will be placed at the treatment volume elevation. Discharge over the top of the weir will outfall into Tampa Bay. Operation and maintenance of the proposed system will be completed by Port Tampa Bay.

The proposed exfiltration system is designed to allow for future expansion. If the area west of berth 301 is developed in the future, the exfiltration system can be expanded west below the access road. This would provide additional treatment volume for any future expansion.

Existing and Proposed Stormwater Management Facilities					
Facility	Existing TV Required (ac-ft)	Existing TV Provided (ac-ft)	Proposed TV Required (ac-ft)	Proposed TV Provided (ac-ft)	Surplus/Deficit (ac-ft)
Pond A [1]	0.17	0.17	0.16	0.17	0.01 [2]
Pond B [1]	0.02	0.02	0.01	0.02	0.01 [2]
Berth 301 Exfiltration System	N/A	N/A	0.07	0.07	0.00

Notes:

1. Pond A & B are existing facilities constructed as part of Berth 302 and the access road.
2. Existing ponds will not be modified as part of this project. Portions of the existing access road will be captured by the new exfiltration system. The existing ponds will have excess capacity.

A geotechnical evaluation of the area was completed by PSI as part of the Berth 302 access road design. The existing geotechnical analysis includes soil borings with seasonal high water table (SHWT) estimates and percolation tests. The existing geotechnical data was used for the design

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT
15-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

and exfiltration calculations for this project. A copy of the geotechnical report from the access road project is included in **Appendix C**

The exfiltration system was designed to hold the required treatment volume within the system without accounting for infiltration. The soil borings and percolation tests located nearest the proposed exfiltration system were used to perform the calculations. The borings show an estimated SHWT elevation between 0 and 1. The invert of the proposed pipe is set at elevation 2, 1 foot higher than the SHWT. A factor of safety of 2 was used on all infiltration rates for the exfiltration system. Recovery analysis was completed using ICPRv4. The recovery analysis shows the exfiltration system can fully recover the treatment volume in 8.5 hours. Treatment and recovery calculations are included in **Appendix B.**

RECEIVED
APR 09 2025
ENVIRONMENTAL DEPT

25-013

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



PORT TAMPA BAY

Environmental Assessment

New Berth 301

Port Tampa Bay

Gibsonton, Florida

January 2024

DRAFT

#25-013 - Attachment 7

* Full Attachment 7 (Env. Assessment Report, 425 pgs.) on file can be requested through PTB Env. Dept. (@ PTB)

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

of north and central Florida. The aquifer thickens from about 250 feet in Georgia to approximately 3,000 feet in south Florida (FDEP, 2023a). The top of the upper Floridian in the Tampa area is approximately 100 feet below ground surface, corresponding to the depth of the Tampa Limestone. The IAS starts in Hillsborough and Polk counties and extends south through Collier County. Aquifers in the system are confined between the Surficial Aquifer System and the FAS, and are mainly comprised of permeable layers of sand, shell, and limestone separated by clay confining units. It's the primary source of water for Sarasota, Charlotte, and Lee counties where the FAS contains brackish water (FDEP, 2023a). The top of the IAS in the Port Redwing area is approximately 75 feet below ground surface (FDEP, 2023b).

4.2.8.2 ENVIRONMENTAL CONSEQUENCES

The proposed berth construction would not require work beyond approximately 10 to 20 feet below ground surface and therefore would not impact the FAS or IAS. The proposed project activities related to the construction of a bulkhead and associated structures would be completed near the terminus of Big Bend Channel. The New Berth 301 project would include converting approximately one acre of submerged lands to uplands (approximately 500 feet in length and 80 feet in width) using clean fill. Additionally, 500 linear feet of steel sheet pile would be used to create the bulkhead along the shoreline, and 80 feet of return wall for offloading dry bulk. The port has carried out mitigation for the entire Port Redwing peninsula development, including filling of on-site wetlands, dredging, the construction of an 80 foot by 4,000 feet open marginal wharf and additional impervious surfaces (United States Army Corps of Engineers [USACE] Permit SAJ-2002-3332, dated January 8, 2004, and FDEP Permit No. 29-019967-001, dated December 19, 2003, see **Appendix C**) and expects no additional mitigation at this time. The previous mitigation project included the creation of mitigated lands for the award-winning Cockroach Bay Preserve, located alongside McKay Bay and now managed by Southwest Florida Water Management District (SWFWMD). No impacts to other surface water resources would be expected with the implementation of BMPs, as described in **Section 6**, and the proposed project would not affect groundwater resources. The proposed project has been found to be consistent with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

4.2.9 Wetlands

4.2.9.1 AFFECTED ENVIRONMENT

The proposed project site is located near the terminus of Big Bend Channel, between dry bulk Berths 300 and 302. There are no wetlands mapped by the National Wetland Inventory (NWI) on the project site.

4.2.9.2 ENVIRONMENTAL CONSEQUENCES

On December 19, 2003, FDEP granted Environmental Resource Permit (ERP) No. 29-0199767-001 and the (USACE) issued Permit SAJ-2002-3332 on January 8, 2004 to allow the creation of Port Redwing, including filling of on-site wetlands, dredging, the construction of an 80 foot by 4,000 feet open marginal wharf and additional impervious surfaces (**Appendix C**). As mitigation for these impacts, mitigated lands were created at the Cockroach Bay Preserve, located alongside McKay Bay and are now managed by SWFWMD. The proposed layout of Berth 301

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

is entirely within the authorized footprint from the 2003 permit. As such, no additional mitigation is proposed for this project. Therefore, with the implementation of BMPs described in **Section 6**, the proposed project would not result in significantly adverse impacts to waters of the U.S. within the project area.

4.2.10 Floodplains

4.2.10.1 AFFECTED ENVIRONMENT

The proposed project area is located within the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for the Hillsborough County Unincorporated Areas Community Number 120112 on map numbers 12057C0491J and 12057C0492J (effective October 7, 2021). The proposed improvement are within the Special Flood Hazard Area Zone AE, which has a 100-year floodplain elevation of approximately 12 feet (NAVD 1988). A Geographic Information System (GIS) drawing of the FIRM illustrating the boundary of the base floodplain in the area of the project limits is shown on **Figure A-7** in **Appendix A**. The 100-year (base) floodplain, within the limits of the project, is directly connected to Old Tampa Bay and is based on a hurricane storm surge event. Additionally, the project is bordered by a shoreline divided by a Limit of Moderate Wave Action (LiMWA). The LiMWA represents the approximate landward limit of 1.5-foot breaking wave. The effects of wave hazards between the shoreline and the LiMWA will be similar to, but less severe than, those in the Zone VE.

4.2.10.2 ENVIRONMENTAL CONSEQUENCES

The proposed bulkhead and associated structures for offloading cargo would be constructed within the FEMA 100-year floodplain. The proposed encroachment into the floodplain is necessary to achieve the project objectives and there is no available alternative outside of the floodplain. However, the new berth would be classified as a minimal encroachment. Due to the coastal and tidally influenced nature of the floodplain, the proposed structure would not negatively impact the 100-year floodplain and surface elevations are not expected to increase. Thus, there would be no significant adverse impacts on natural and beneficial floodplain values. There would be no significant change in flood risk upstream or downstream of the project site, and there would not be a significant change in the potential for interruption or termination of emergency service or emergency evacuation routes. Therefore, it has been determined that this encroachment is not significant.

4.2.11 Fish and Wildlife

4.2.11.1 AFFECTED ENVIRONMENT

Tampa is within the Coastal Plain physiographic province, characterized by flat to gently sloping topography (NPS, 2017). The proposed project area lies along the coast in southwestern Hillsborough county. The project site consists of previously developed upland areas within an industrial-maritime transportation facility. The current conditions of the project site include a maintained vegetated shoreline stabilized with riprap, extending from the top of bank to below the Mean High Water Line (MHWL). Below the riprap, the approximate 2 to 1 slope continues to a depth of -45 feet into the Big Bend Channel. The project site is surrounded by other berths and port facilities (**Appendix A, Figure A-1**). No submerged aquatic vegetation was observed within the project area and no mangroves are present.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

The NOAA EFH Mapper was reviewed for the project area (NOAA, 2023a). The project area doesn't contain Habitat Areas of Particular Concern, or EFH Areas Protected from Fishing. Based on the EFH Mapper, the project area includes EFH for the Bull shark (*Carcharhinus leucas*), Tiger shark (*Galeocerdo cuvier*), Blacktip shark (*Carcharhinus limbatus*), and Bonnethead shark (*Sphyrna tiburo*). Each of these species require shallow, warm waters to meet various lifecycle needs. A site visit was conducted April and May 2023 to evaluate the conditions at the site. HDR observed no EFH for the four shark species within the immediate vicinity of the project area.

4.2.11.2 ENVIRONMENTAL CONSEQUENCES

The proposed project would involve in-water work within Big Bend Channel, including construction of the new bulkhead and mooring structures, and associated backfill behind the new bulkhead. Dredging is not required. As no EFH was observed in the project area, a "No Effect" on EFH is anticipated for the proposed project. As discussed in **Section 7**, MARAD initiated consultation in June 2023 with the U.S. Fish and Wildlife Service (USFWS) and NOAA's NMFS Southeast Regional Office (SERO) Habitat Conservation Division (HCD) for concurrence with the EFH determination.

4.2.12 Threatened and Endangered Species and Critical Habitat

4.2.12.1 AFFECTED ENVIRONMENT

Threatened and endangered species were considered, as required by NEPA, and the Endangered Species Act (ESA) of 1973, as amended. The official species list acquired from the USFWS Information for Planning and Consultation System (IPaC) website of the USFWS identified 15 species, including one mammal, six birds, five reptiles, one insect, and two plant species, with the potential to be affected by the proposed project (**Appendix D**) (USFWS, 2023). There are no critical habitats located in the project area.

In addition to the IPaC data, the Florida Natural Areas Inventory (FNAI) was reviewed (FNAI, 2023a) for additional federal or state listed species for the proposed project area (**Appendix D**). The FNAI identified two federal and/or state listed species likely to occur and 23 federal or state listed species with the potential to occur in the matrix unit where the project is located. These included two mammals, one fish, five birds, three reptiles, and 14 plants, with the potential to be affected by the proposed project (**Appendix D**).

NOAA's ESA Section 7 Mapper for the NOAA Fisheries Southeast Region, beta testing version, was reviewed (NOAA, 2023b). NOAA's ESA Section 7 Mapper identified three reptiles and three fish with the potential to be affected by the proposed project (**Appendix D**).

The USFWS has delisted the bald eagle; however, protection continues under the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d) (BGEPA), as amended, and the Migratory Bird Treaty Act (MBTA).. According to the Florida Fish and Wildlife Conservation Commission (FWC) eagle nest locator as well as the Audubon Eagle Watch mapper, there are no current or historic bald eagle nests within a one-mile radius of the project area.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

The project site consists of previously developed upland areas within an industrial-maritime transportation facility. Current site conditions consist of a riprap-stabilized shoreline, a small portion of developed upland, and mostly aquatic/marine habitat. The project site is surrounded by other berths and port facilities (**Appendix A, Figure A-1**). No submerged aquatic vegetation, wetlands or mangroves were was observed within the project area.

4.2.12.2 ENVIRONMENTAL CONSEQUENCES

A site visit was conducted April and May 2023 to evaluate the conditions at the site. None of the listed species were observed on-site. With regards to the listed species identified by the IPaC, suitable habitat is not present on the project site for the crested caracara, eastern black rail, Everglade snail kite, red knot, whooping crane, wood stork, American crocodile, eastern indigo snake, leatherback sea turtle, Florida golden aster, and pigmy fringe tree. Therefore, there the proposed project is expected to have **No Effect** on these species.

However, the proposed project area is located within the Manatee Warm Water Aggregation Area at Big Bend Channel. Based on the USACE, Jacksonville District, and the State of Florida Effect Determination Key for the Manatee in Florida, dated April 2013 (2013 Manatee Key), there is a **May Affect** finding for the West Indian Manatee and therefore consultation is required. (Completion of the 2013 Manatee Key resulted in the following sequential determination: A>B7; See **Appendix E**). While the project area does not contain habitat types that would be typically utilized by sea turtles for foraging and nesting, there is the potential for the occurrence of the hawksbill sea turtle, the loggerhead sea turtle, the green sea turtle, and the Kemp's ridley sea turtle and therefore a **May Affect, Not Likely to Adversely Affect** finding was determined for these species. The monarch butterfly was determined to have a **May Affect, Not Likely to Adversely Affect** finding for the project area due to the air dispersal of their host plant's seeds (milkweeds). No milkweed was observed in the project area during a recent site visit but they could become established in the future at the project site. The project does not contain critical habitat for smalltooth sawfish, Gulf sturgeon, or giant manta ray; however it would occur in waters accessible to these species. Therefore it is determined that a finding of **May Affect, Not Likely to Adversely Affect** is appropriate for these species.

The proposed project would involve in-water work within Big Bend Channel, construction of the new bulkhead and mooring structures, and associated backfill behind the new bulkhead. Dredging is not required. Construction may include impact pile driving for the installation of piles and would include the use of a vibratory hammer. To minimize noise impacts associated with the impact pile driving all work would be limited to daylight hours only, protected species observers will be present during construction, no more than five piles would be installed daily by impact hammer, cushion blocks, and a slow ramp up would be utilized during impact driving. For construction work within water accessible to the West Indian manatee, hawksbill sea turtle, green sea turtle, Kemp's ridley sea turtle, the loggerhead sea turtle and the smalltooth sawfish, the proposed project would utilize the Sea Turtle and Smalltooth Sawfish Construction Conditions and the Standard Manatee Conditions for In-Water Work, and adhere to the additional conditions stated in the May 13, 2019 USFWS letter to the USACE concerning revisions to the 2013 Manatee Key, which would reduce the risk of injury. In addition to the above-mentioned conditions, fenders or buoys that provide a minimum standoff space of at

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

least four feet under maximum designed compression shall also be utilized between two vessels that are moored together such as, but not limited to, the mooring of the vessels and construction barges.

The proposed project would expand docking for large vessels and loading/unloading operations to the site. The New Berth 301 project would be expected to add one to two additional marine vessel services per week. As with the existing berths at Port Redwing, the new Berth 301 would include fenders that provide four feet of standoff between the vessel and bulkhead at maximum design compression. In addition, all vessels are required to enter the channel at below no wake speed and typically approach the berth at less than one knot per second. As a result, with the implementation of these safety measures and adherence to the above-mentioned construction conditions, the risk to manatees would be reduced and ultimately achieve the standard of a **May Affect, Not Likely to Adversely Affect** determination.

With regards to the FNAI identified additional federal or state listed species, there is no habitat for these species on-site, no documented occurrences of the listed species within the project area, and/or the species range does not include the project area. In addition, none of the species were observed on-site. Therefore, for the additional federal listed species there is no effect, and for the stated listed species, there is **no effect anticipated** or **no adverse effect anticipated**.

As discussed in **Section 7**, MARAD initiated consultation in June 2023 with the USFWS and NMFS PRD. Proposed mitigation and minimization measures for Threatened and endangered species are provided in **Section 6**.

4.2.13 Parks and Recreational Resources

4.2.13.1 AFFECTED ENVIRONMENT

As shown on **Figure A-8 in Appendix A**, the project site is located in a Hillsborough County land use categorized as public/semi-public land use. The project site and surrounding land use is predominantly associated with industrial and maritime transportation activities conducted by the Port Redwing and its industrial neighbors. However, the Fred and Idah Schultz Nature Preserve lies directly north of Diana Toledo Almeida Road, **Figure A-8 in Appendix A**.

4.2.13.2 ENVIRONMENTAL CONSEQUENCES

The proposed project would not result in disturbance to the Fred and Idah Schultz Nature Preserve. All proposed work would occur to the south of the preserve. Potential impacts from construction would be mitigated through BMPs, as described in **Section 6**. Therefore, the proposed project would not significantly impact parks and recreational resources.

4.2.14 Cultural and Tribal Resources

4.2.14.1 AFFECTED ENVIRONMENT

The Area of Potential Effect (APE) for the proposed project was identified as the boundary of the project footprint as shown on **Figure A-1** in **Appendix A**. The APE measures approximately 275 feet (ft; 83 meters [m]) in length and 700 ft (213 m) in width and amounts to a total of approximately 4 acres.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

A review of Florida Master Site File (FMSF) data was conducted to identify known cultural resources and previous cultural resources surveys that have been conducted within 1 mile (mi; 1.6 kilometers [km]) of the APE. A memo summarizing the review is provided in **Appendix F**. The FMSF review indicated there have been eight previous cultural resources surveys conducted and two archaeological sites identified within the 1 mi (1.6 km) search radius. There are no previously recorded standing structures, resource groups, cemeteries, or National Register of Historic Places (NRHP)-listed or -eligible properties within the APE or one mile buffer.

4.2.14.2 ENVIRONMENTAL CONSEQUENCES

According to the desktop survey, the proposed project would not be expected to impact any known cultural resources. MARAD requested concurrence from the State Historic Preservation Officer (SHPO). As discussed in **Section 7**, SHPO concurrence was received on July 31, 2023. SHPO also requested that permits for the project include a special condition regarding inadvertent discoveries, as detailed in **Section 6**.

4.2.15 Environmental Justice

4.2.15.1 AFFECTED ENVIRONMENT

The proposed project is located in Gibsonton, an unincorporated community and census-designated place (CDP) in Hillsborough County, Florida. According to the U.S. Census Bureau (USCB) American Community Survey (ACS), the population in the community increased from 2012 to 2021 by 14.09 percent from 15,989 to 18,242 persons (USCB, 2021b). The population of Hillsborough county was estimated to be 1,478,194 people in 2021 (USCB, 2021b). There is no population directly intersecting the proposed project area. The nearest residential homes are located approximately one mile east of the project area on nearby Adamsville Road.

Two census block groups are located within 0.25 miles of the proposed project, however CT 9900, block group 0 is located over Hillsborough Bay and contained no population so it was dismissed from the analysis. As shown on **Figure A-9 in Appendix A,** the project site lies within Census Tract (CT) 138.01, block group 1, block 1041. CT 138.01, block 1041 surrounds three sides of CT 138.01 block 1042, which contains the rest of the residential area between Port Redwing and South Tamiami Trail (US 41). The 2020 Census revealed that CT 138.01, block group 1, blocks 1 and 2 have a minority population of 55 percent (22 out of 40 individuals) and 62 percent (13 out of 21 individuals), respectively (USCB, 2020). Both census blocks are considered to be a minority population per the Council on Environmental Quality's *Environmental Justice Guidance under NEPA,* 1997.

The 2021 median household income estimate for Hillsborough County was $64,164 (USCB, 2021a). The 2021 median household income of CT 138.01 block group 1 was below 80 percent of the county's median income ($49,545) (USCB, 2021a). Approximately 17 percent of the households within CT 138.01 block group 1 are below poverty level. This does not mean that the entire block group is low-income but is an indication that there are likely low-income neighborhoods within the block group.

A summary of the census information is provided in tables in **Appendix A**.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

4.2.15.2 ENVIRONMENTAL CONSEQUENCES

Potential impacts from construction would be mitigated through BMPs, as described in **Section 6,** and would be located approximately one mile from residential areas or commercial businesses. As the project area and vicinity are industrial, the proposed project would not be anticipated to negatively affect minority or low-income populations. The home closest to the project area is nearly a mile away. No relocations/displacements would occur and changes to air quality or noise would not be expected to affect people living within the census block groups. The improvement project is isolated to a currently unused portion of the Port's shoreline property (between two existing berths) and would not divide neighborhoods nor create barriers. Thus, no direct social or economic impacts are anticipated.

Minority and/or low-income populations in the study area may benefit from short-term jobs during construction of the facility or from long-term job creation resulting from higher shipping volumes. The proposed project is anticipated to grow the Port's non-containerized cargo business and thereby attract dry bulk vessels to expand the routes and markets served. The new dry bulk berth would help grow existing and future tenants, and serve numerous industries including those that make or use construction materials, agricultural and phosphate products. The surrounding community and region would benefit from the additional volumes, spurring jobs and potentially economic growth in the area.

Therefore, this project would not result in disproportionately high and adverse effects on minority and/or low-income populations.

4.2.16 Traffic and Safety

4.2.16.1 AFFECTED ENVIRONMENT

Traffic

The transportation system within the project area includes interstate, state, and local roadways, the connection to the rail system, and Big Bend Channel. Main components of the area's transportation system are shown on **Figure A-10 in Appendix A.**

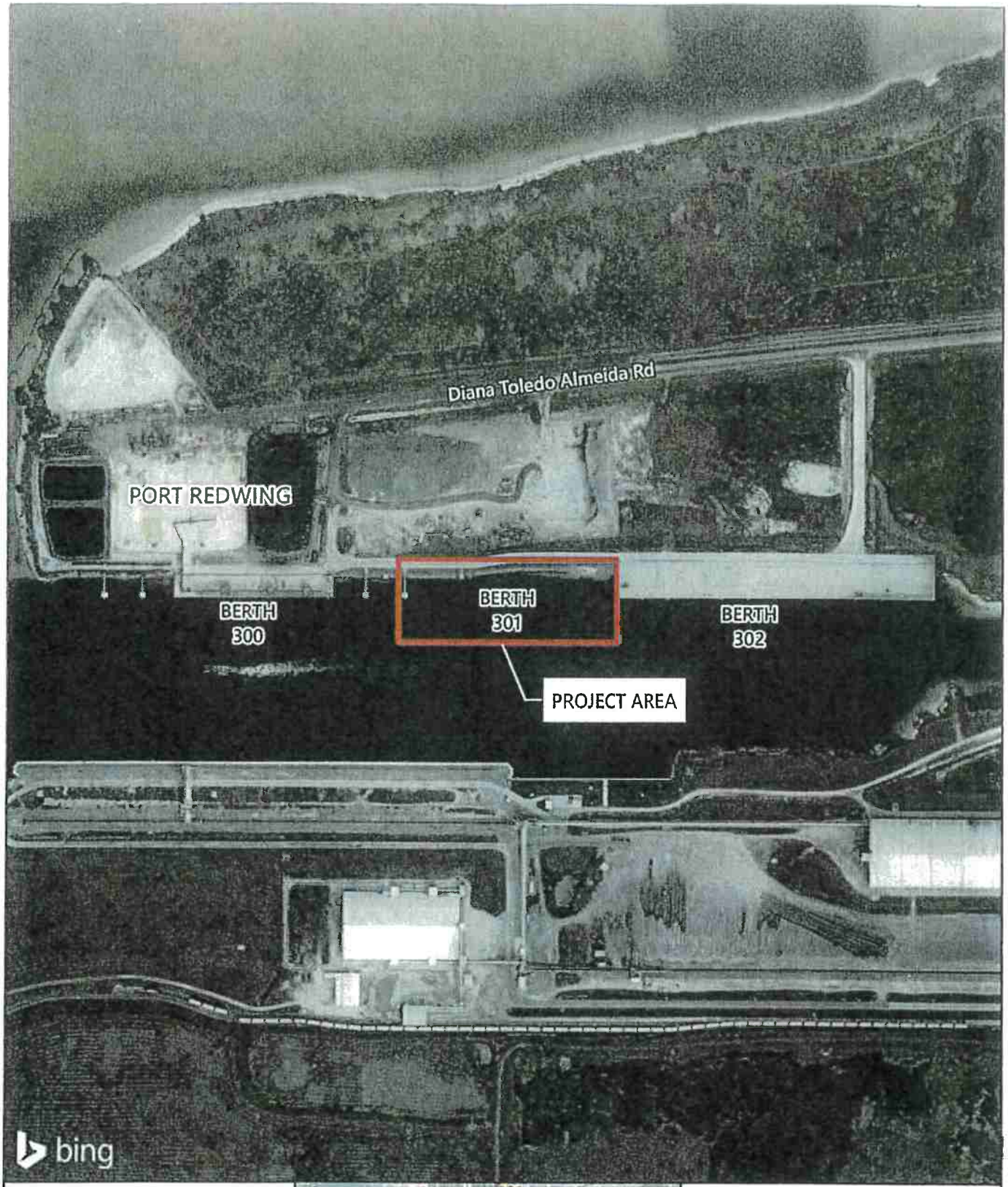
Roadways

Roadway access to Port Redwing is provided using Pembroke Road and Diana Toledo Almeida Road to an unnamed road used to access the berths. Approximately250 trucks access Port Redwing daily. The annual average daily traffic (AADT) along Pembroke Road was 3,200 in 2022 (Florida Department of Transportation [FDOT], 2022). After exiting Port Redwing, vehicles can connect to South Tamiami Trail (US 41), and are only a few miles from a connection with Interstate 75 (I-75) for delivery and receipt of the dry bulk materials. Trucks can travel along Big Bend Road from US 41 to access I-75. The AADT along US 41 near the project area was 32,000 in 2022 (FDOT, 2022). The AADT along Big Bend Road was 36,500 in 2022 (FDOT, 2022).

Rail

CSX Transportation, Inc. serves Port Redwing which has an almost 6,000-linear foot triple track for high-volume unit-train service.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



N

0 250 500
FEET



EXISTING CONDITIONS MAP

NEW BERTH 301
PORT REDWING
HILLSBOROUGH COUNTY, FLORIDA

#25-013

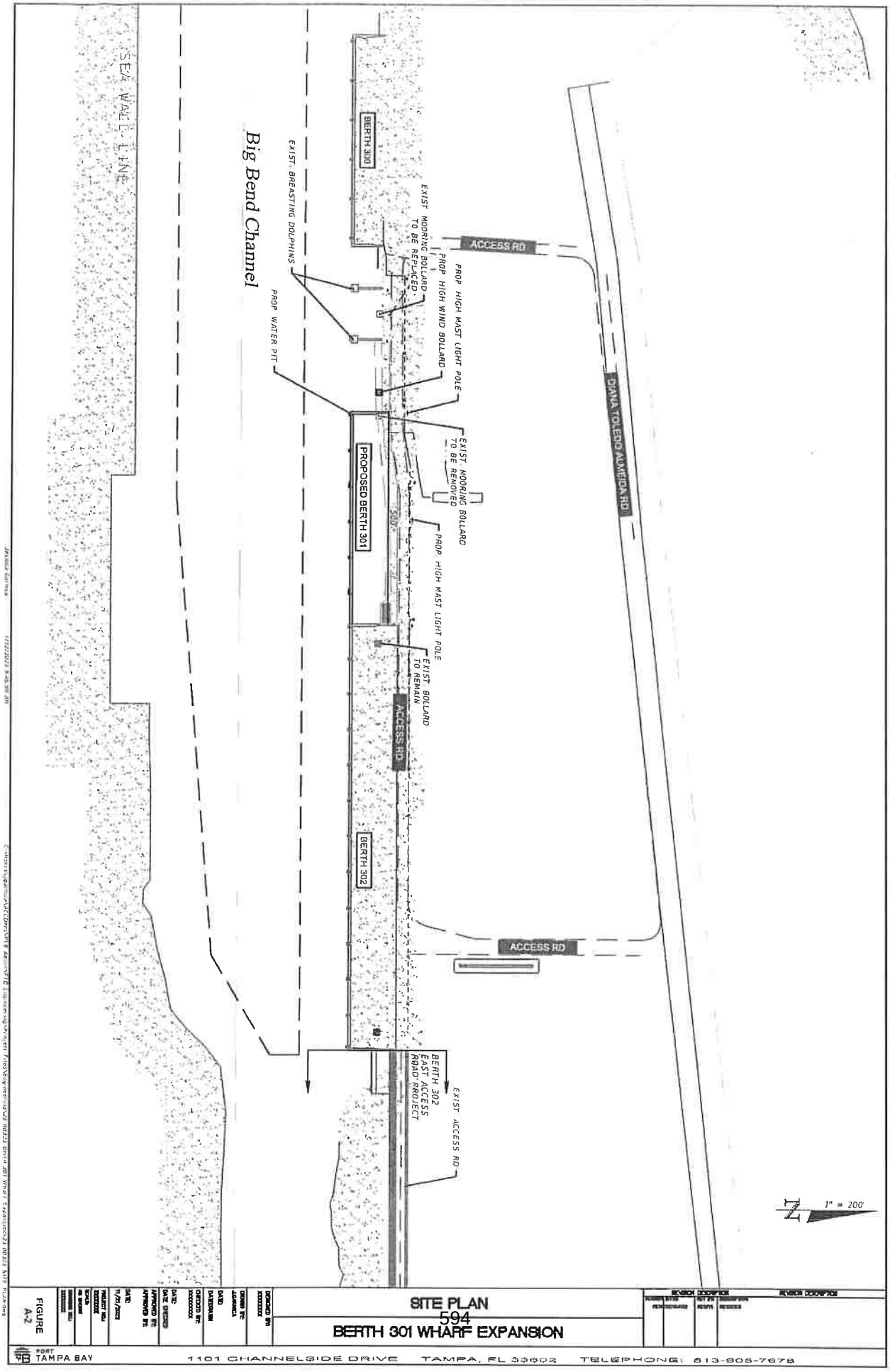
SCALE: 1" = 500' AT 8.5" X 11" PAGE SIZE

SEP 2023

FIGURE A-1

PATH: E:\PORT_TAMPA_BAY_BERTH_301\MAP_DOCS\PTB_BERTH_301\PTB_BERTH_301.APRX - USER: MBRANSCOME - DATE: 9/5/2023

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



N

0 250 500
FEET

PROJECT AREA

FEMA FLOOD HAZARD ZONE

AE
VE
X

FEMA FLOODPLAIN MAP

NEW BERTH 301
PORT REDWING
HILLSBOROUGH COUNTY, FLORIDA

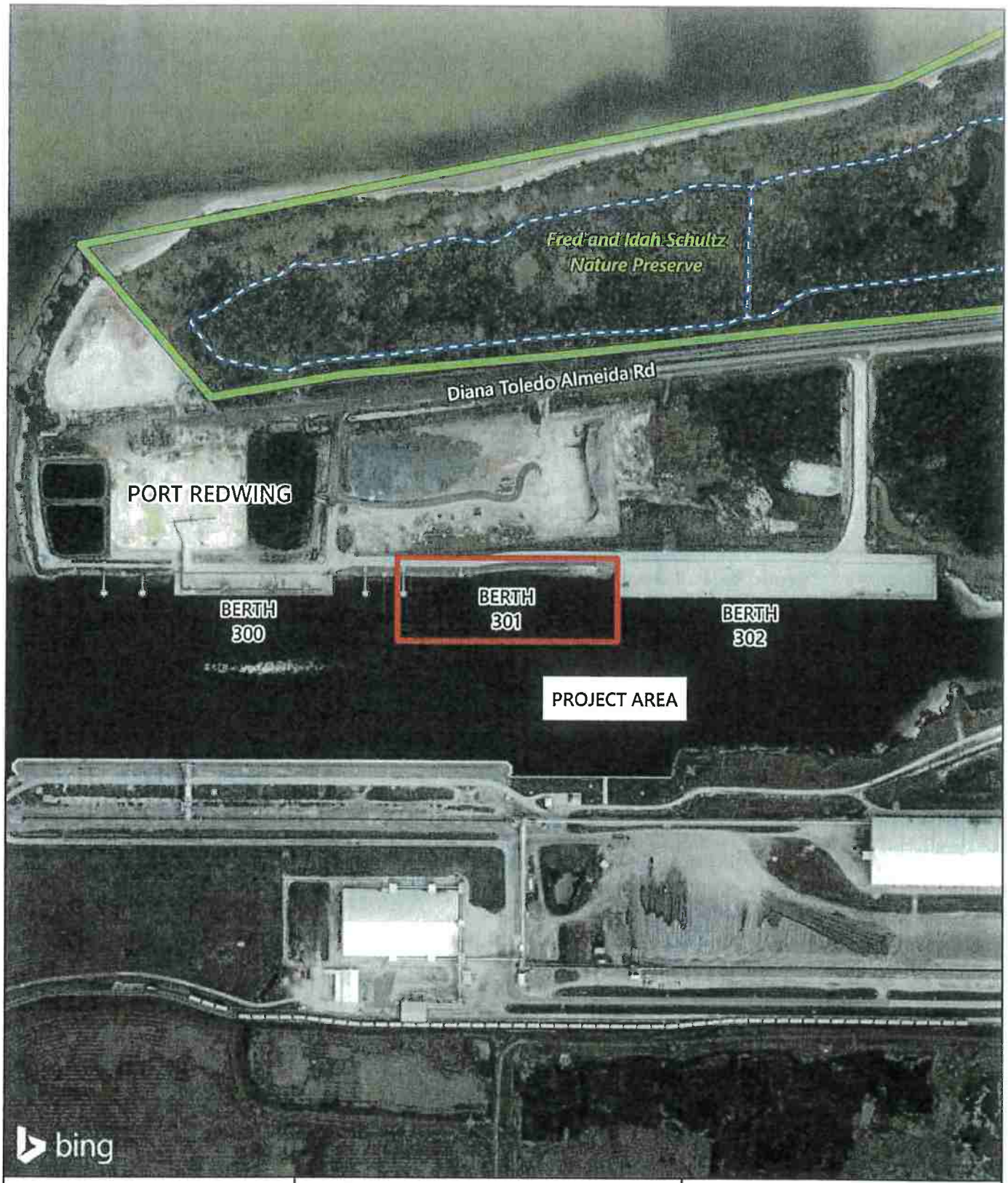
SCALE: 1" = 500' AT 8.5" X 11" PAGE SIZE

SEP 2023

FIGURE A-7

PATH: E:\PORT_TAMPA_BAY_BERTH_301\MAP_DOCS\PTB_BERTH_301\PTB_BERTH_301.APRX - USER: MBRANSCOME - DATE: 9/5/2023

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



N

0 250 500
FEET

PROJECT AREA
PRESERVE BOUNDARY
PUBLIC TRAIL

PARKS AND RECREATION MAP

NEW BERTH 301
PORT REDWING
HILLSBOROUGH COUNTY, FLORIDA

SCALE: 1" = 500' AT 8.5" X 11" PAGE SIZE

SEP 2023

FIGURE A-8

PATH: E:\PORT_TAMPA_BAY_BERTH_301\MAP_DOCS\PTB_BERTH_301\PTB_BERTH_301.APRX - USER: MBRANSCOME - DATE: 9/6/2023

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





N

5,000 10,000
FEET

TRANSPORTATION SYSTEM MAP

NEW BERTH 301
PORT REDWING
HILLSBOROUGH COUNTY, FLORIDA

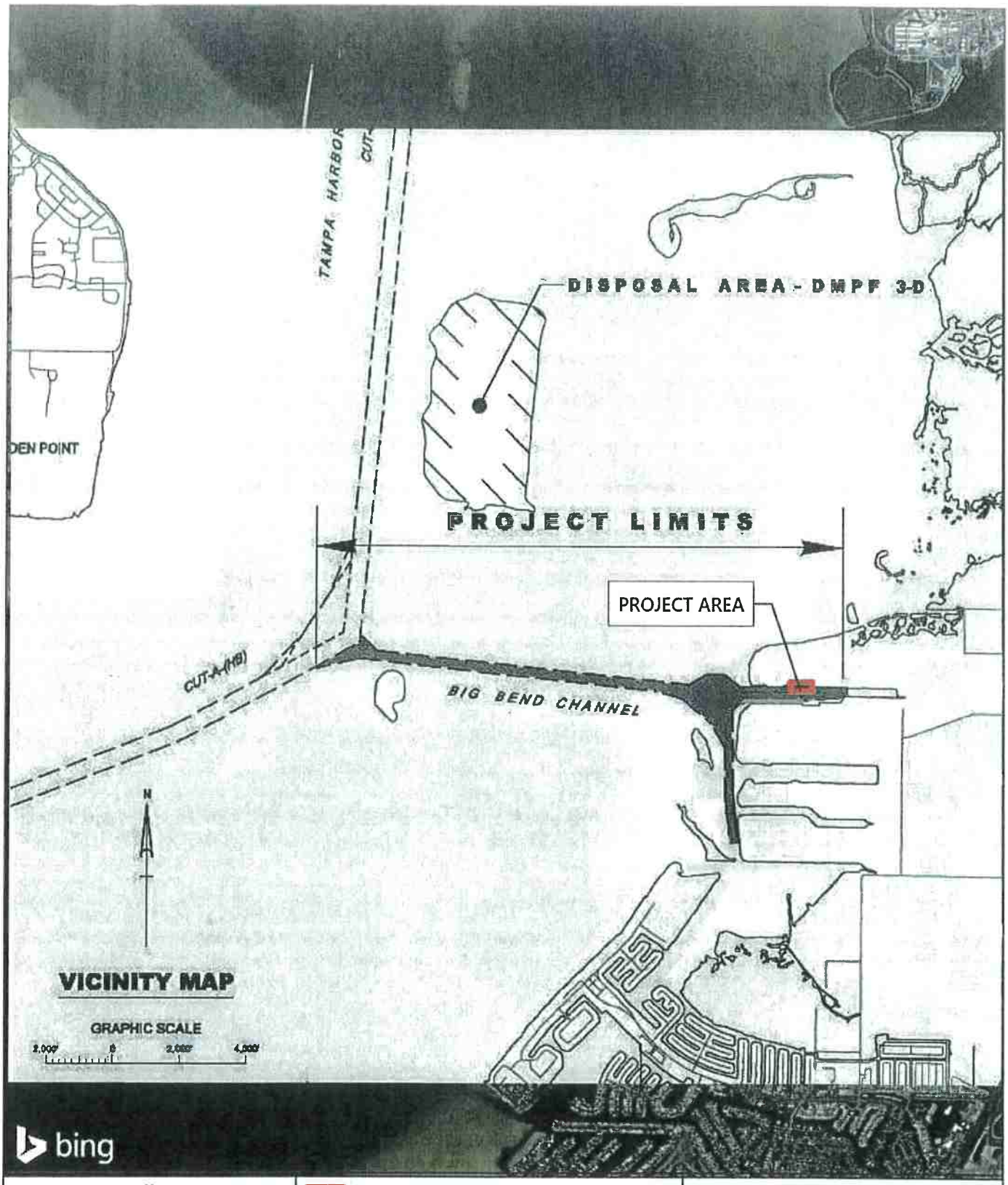
SCALE: 1" = 8,333' AT 8.5" X 11" PAGE SIZE

SEP 2023

FIGURE A-10

PATH: E:\PORT_TAMPA_BAY_BERTH_301\MAP_DOCS\PTB_BERTH_301\PTB_BERTH_301.APRX - USER: MBRANSCOME - DATE: 9/8/2023

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



N

0 2,000 4,000
FEET

PROJECT AREA

BIG BEND CHANNEL

NEW BERTH 301

PORT REDWING
HILLSBOROUGH COUNTY, FLORIDA

SCALE: 1" = 4,000' AT 8.5" X 11" PAGE SIZE

SEP 2023

FIGURE A-11

PATH: E:\PORT_TAMPA_BAY_BERTH_301\MAP_DOCS\PTB_BERTH_301\PTB_BERTH_301.APRX - USER: MBRANSCOME - DATE: 1/19/2024

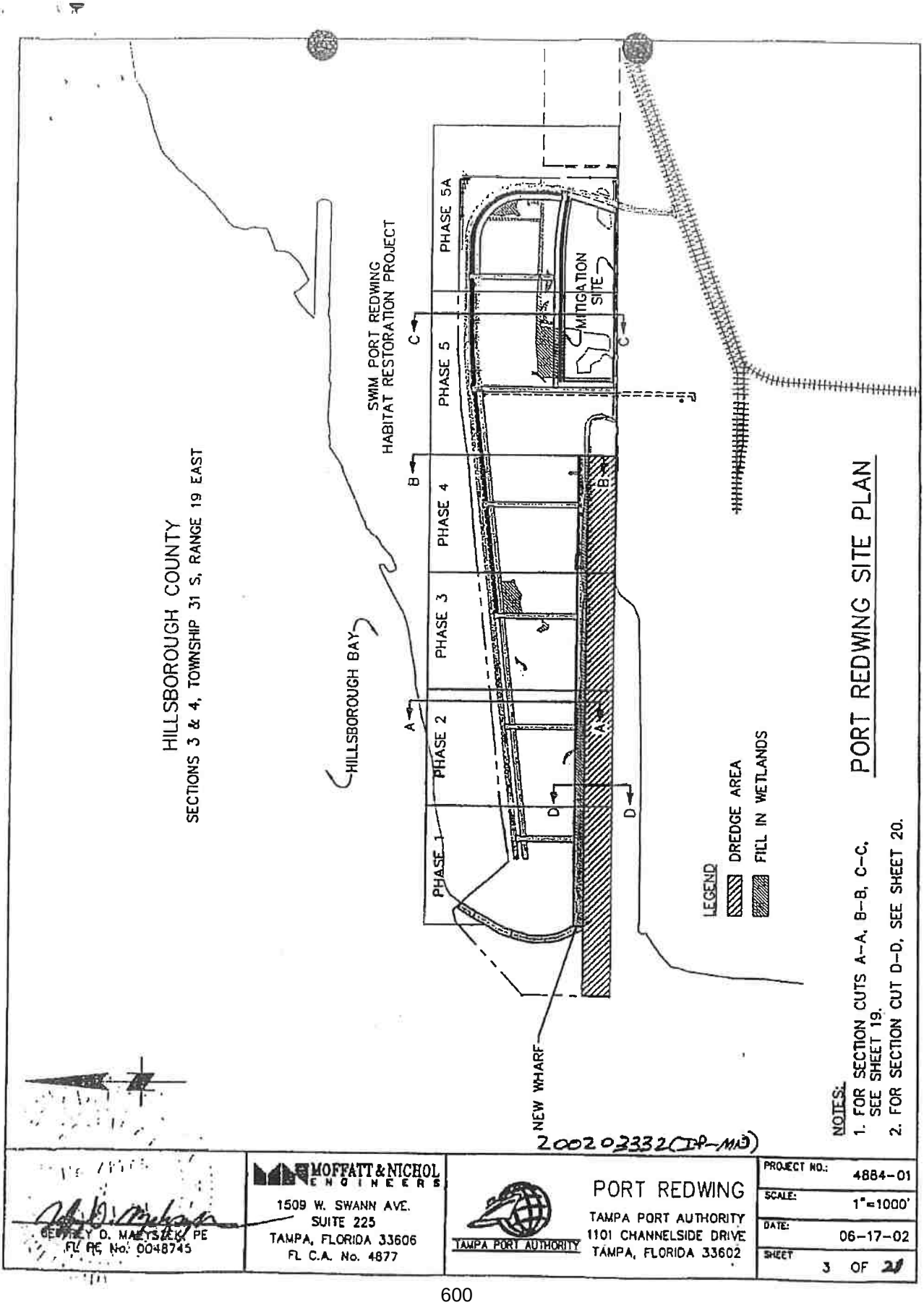
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

C

Appendix C – Permits

* Full Appendix C-Permits documents on File can be Requested through PTB Env. Dept. (H, PTB)

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



GEOFFREY D. MAEYSZEK, PE FL PE No. 0048745	MOFFATT & NICHOL ENGINEERS 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 FL C.A. No. 4877	TAMPA PORT AUTHORITY PORT REDWING TAMPA PORT AUTHORITY 1101 CHANNELSIDE DRIVE TAMPA, FLORIDA 33602	PROJECT NO.: 4884-01 SCALE: 1"=1000' DATE: 06-17-02 SHEET 3 OF 21

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Department of Environmental Protection

Jeb Bush
Governor

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

David B. Struhs
Secretary

December 19, 2003

PROJECT # 9103
Phase I Port Redevelopment Wharf & Cargo Yard

RECEIVED
DEC 23 2003
ENGINEERING DEPT.

Tampa Port Authority
c/o Bruce Laurion, P.E.
1101 Channelside Drive
Tampa, Florida 33602

Moffatt & Nichol Engineers
c/o Jeffrey Malyszek, P.E.
1509 W. Swann Avenue
Suite 225
Tampa, Florida 33606

Dear Mr. Laurion and Mr. Malyszek:

Enclosed is the Environmental Resource Permit, DEP Project No. 29-0199767-001, issued pursuant to part IV of Chapter 373, Florida Statutes, and Title 62 Florida Administrative Code.

You, as the applicant, are responsible for all aspects of permit compliance. You should therefore review this permit document carefully to ensure compliance with the general and specific conditions contained herein.

Please be aware of permit Specific Conditions 8, 16, 22, 26, 31, 65, 74 and 81 which require actions prior to project commencement.

If you have any questions about this document, please contact me at (813) 744-6100, extension 485.

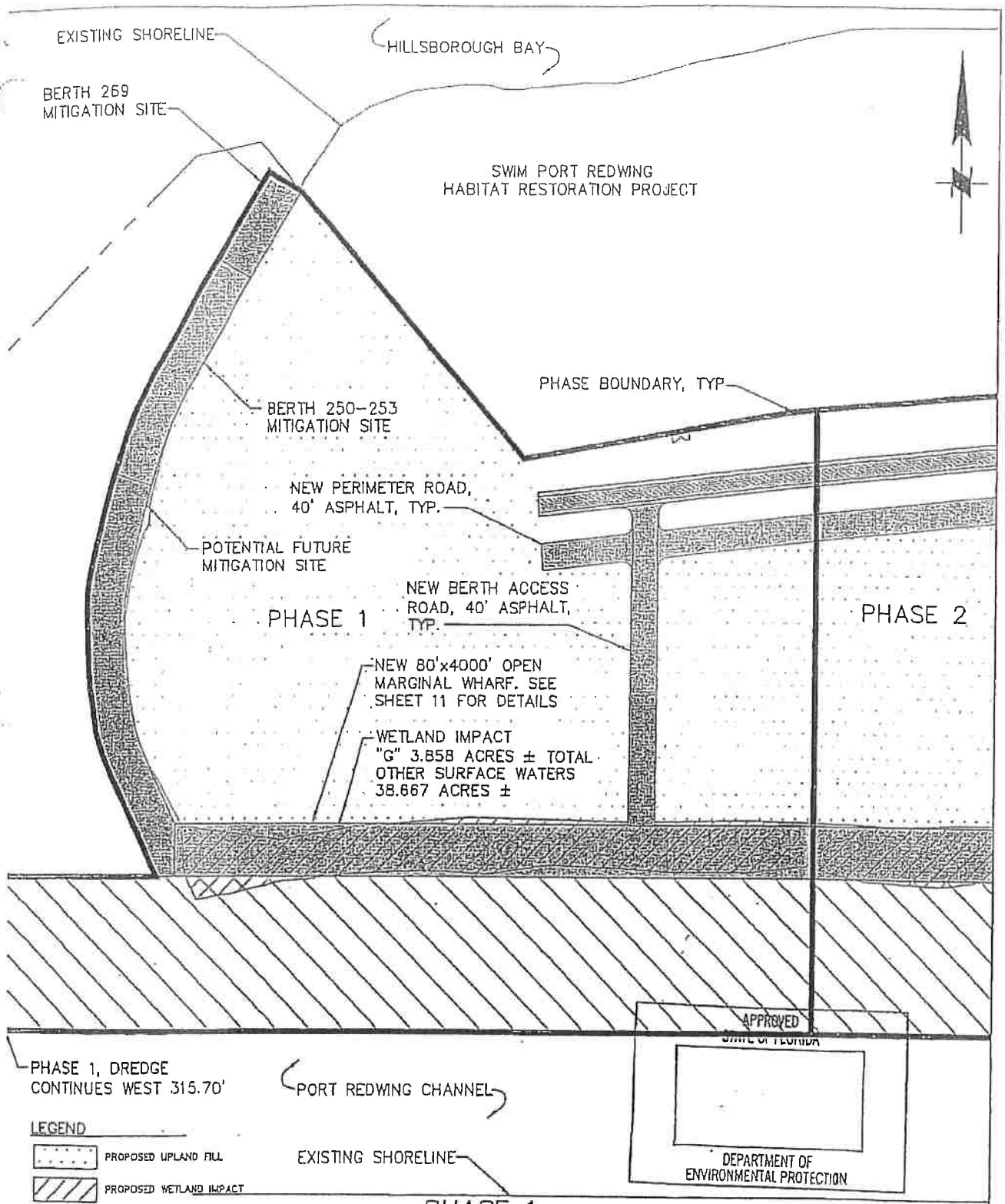
Thank you for your participation in the permit process and in managing the natural resources of the State of Florida.

Sincerely yours,

Donna Kendall
Environmental Specialist III
Environmental Resource Management

RECEIVED
DEC 23 2003

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



PHASE 1
DREDGE AND FILL IN WETLANDS

ATTACHMENT 10

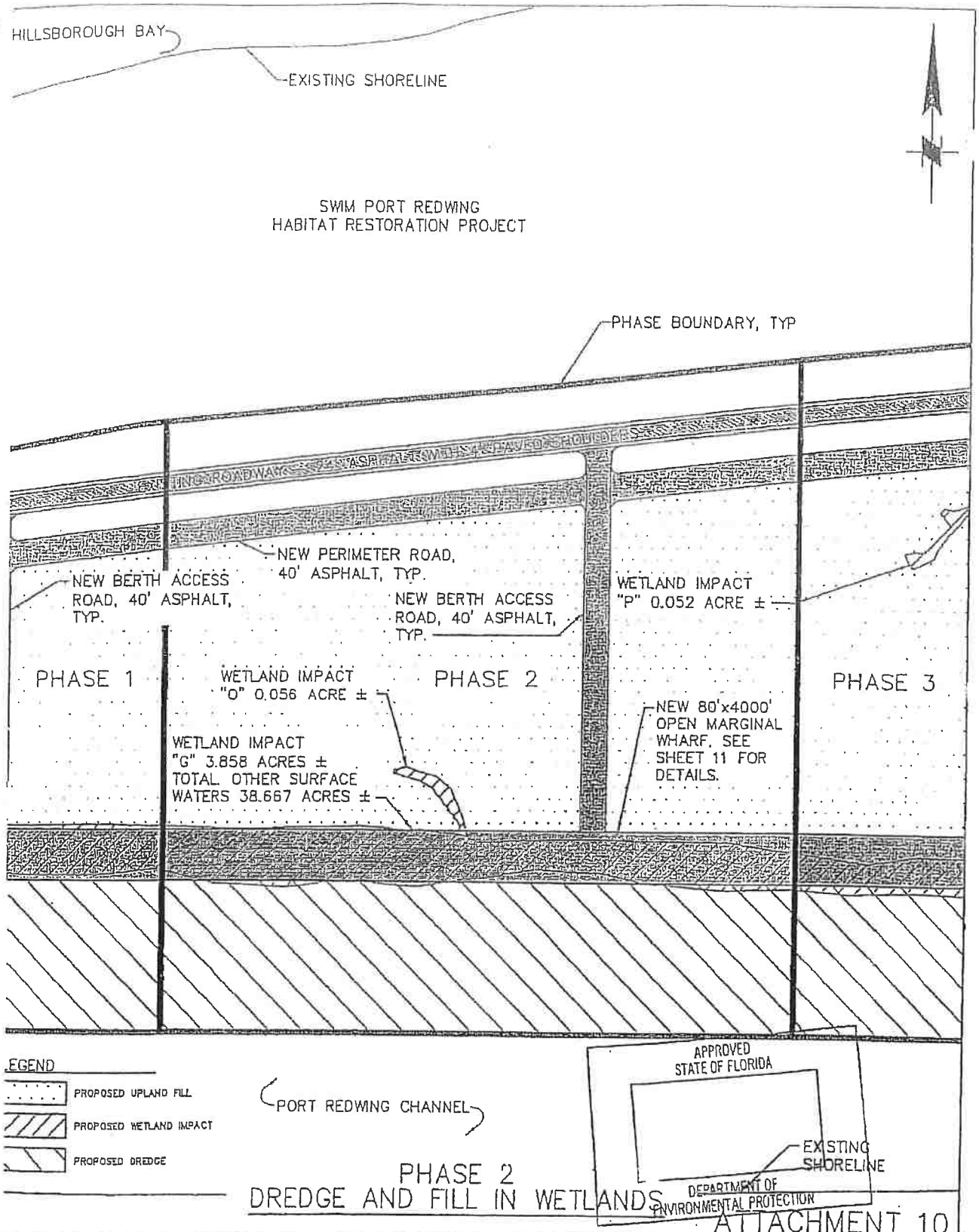
MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	1"=200'
DATE:	02-26-03
SHEET	13 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



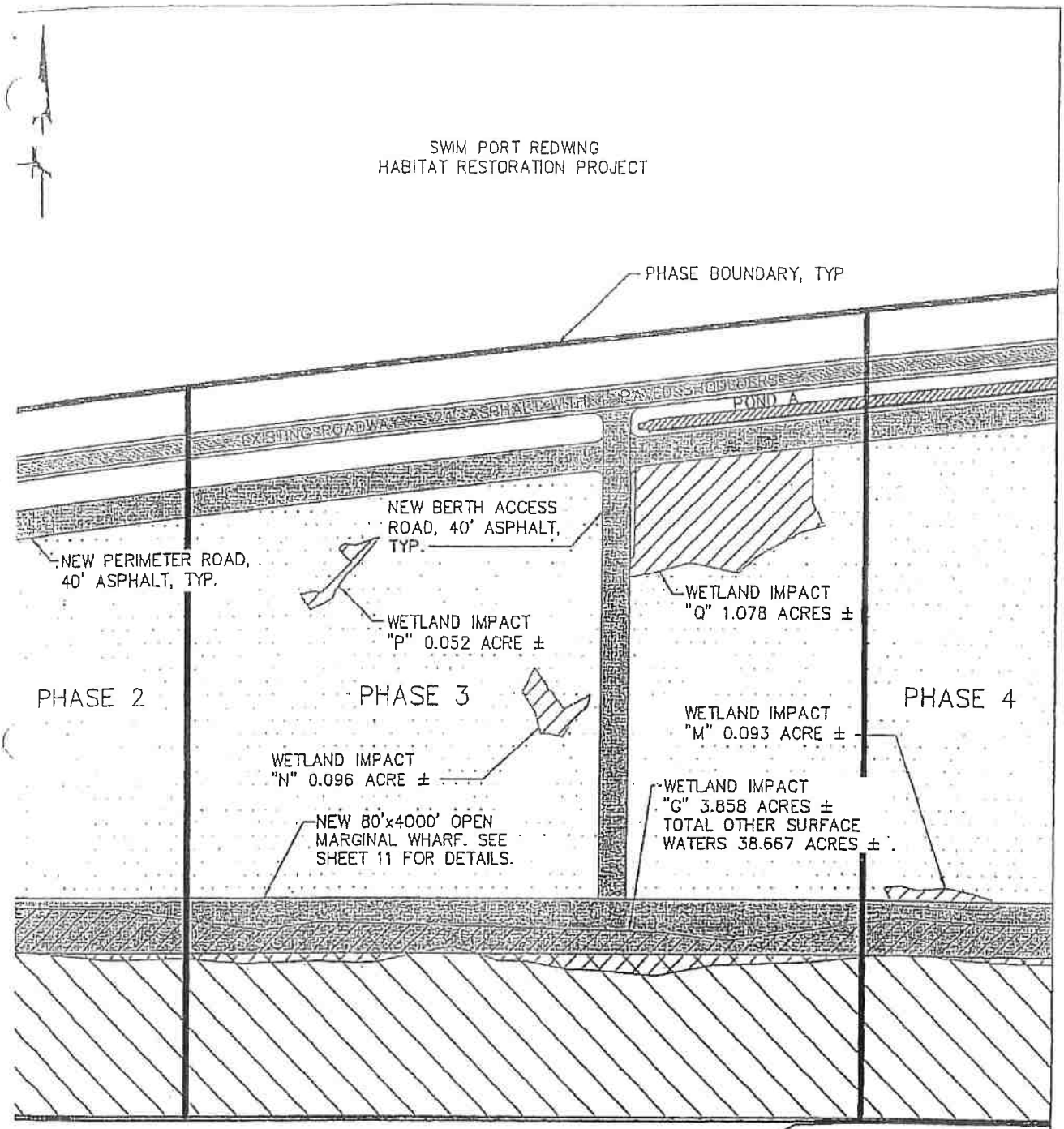
PHASE 2
DREDGE AND FILL IN WETLANDS

ATTACHMENT 10

MOFFATT & NICHOL ENGINEERS 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 FL C.A. No. 4877	TAMPA PORT AUTHORITY PORT REDWING TAMPA PORT AUTHORITY 1101 CHANNELSIDE DRIVE TAMPA, FLORIDA 33602	PROJECT NO.: 4884-01 SCALE: 1"=200' DATE: 02-26-03 SHEET 14 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

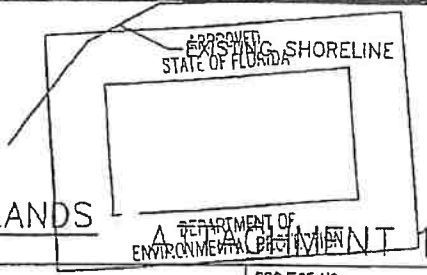
SWIM PORT REDWING
HABITAT RESTORATION PROJECT



LEGEND

- PROPOSED UPLAND FILL
- PROPOSED WETLAND IMPACT
- PROPOSED DREDGE

PORT REDWING CHANNEL



PHASE 3
DREDGE AND FILL IN WETLANDS

ATTACHMENT 10

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

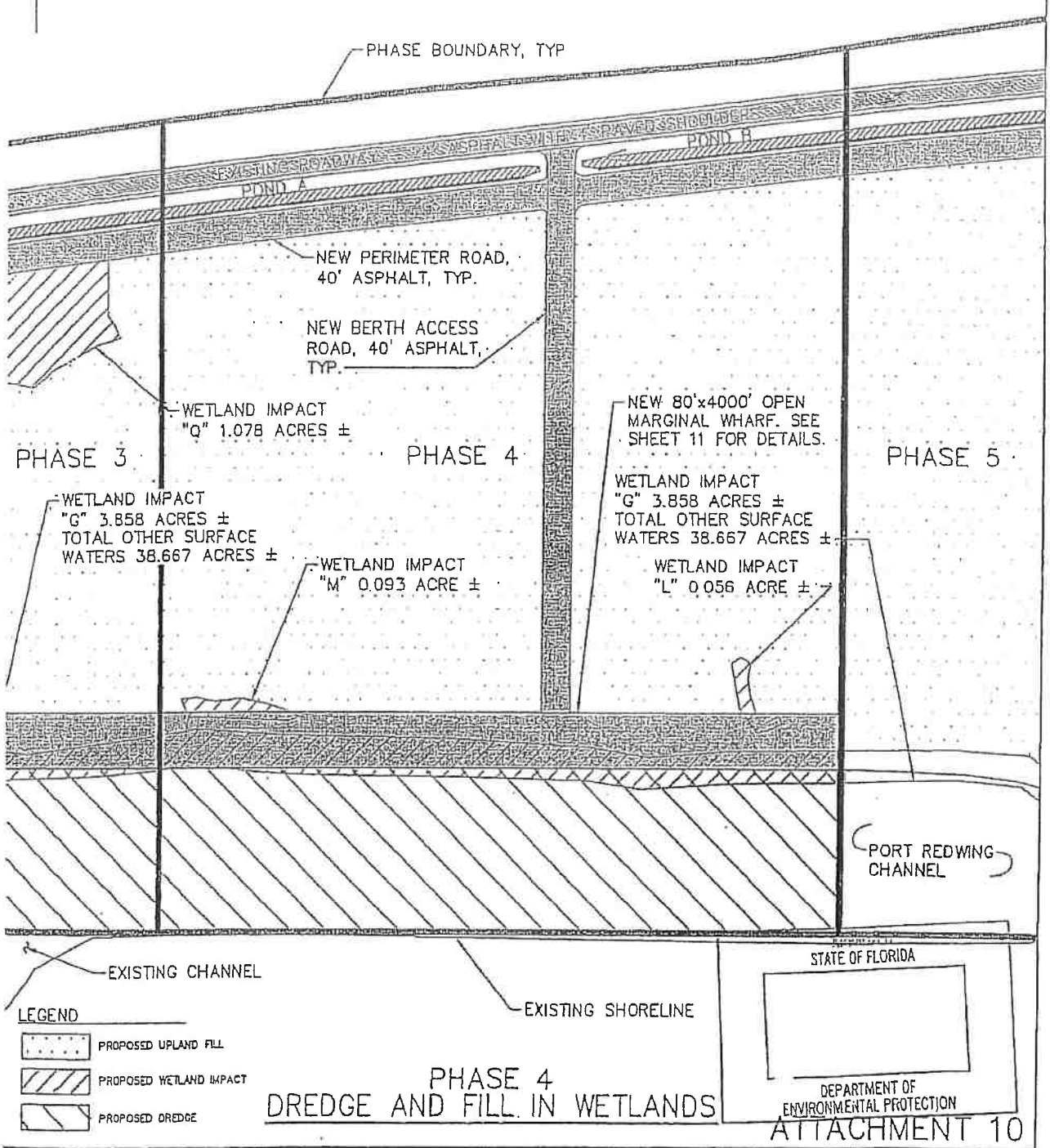
TAMPA PORT AUTHORITY
604

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	1"=200'
DATE:	02-26-03
SHEET	15 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SWIM PORT REDWING
HABITAT RESTORATION PROJECT



PHASE 4
DREDGE AND FILL IN WETLANDS

ATTACHMENT 10

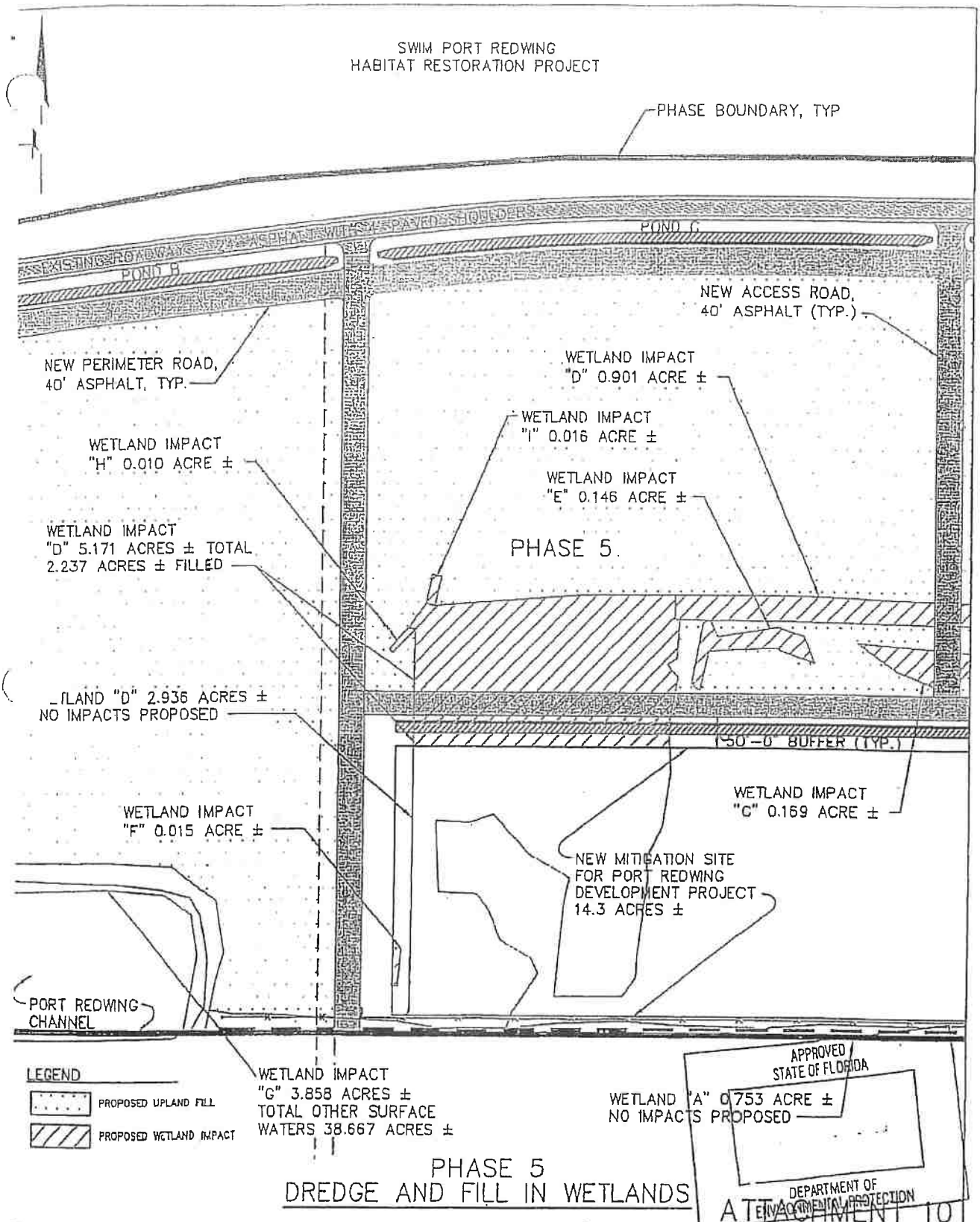
MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	1"=200'
DATE:	02-26-03
SHEET	16 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



PHASE 5
DREDGE AND FILL IN WETLANDS

ATTACHMENT 10

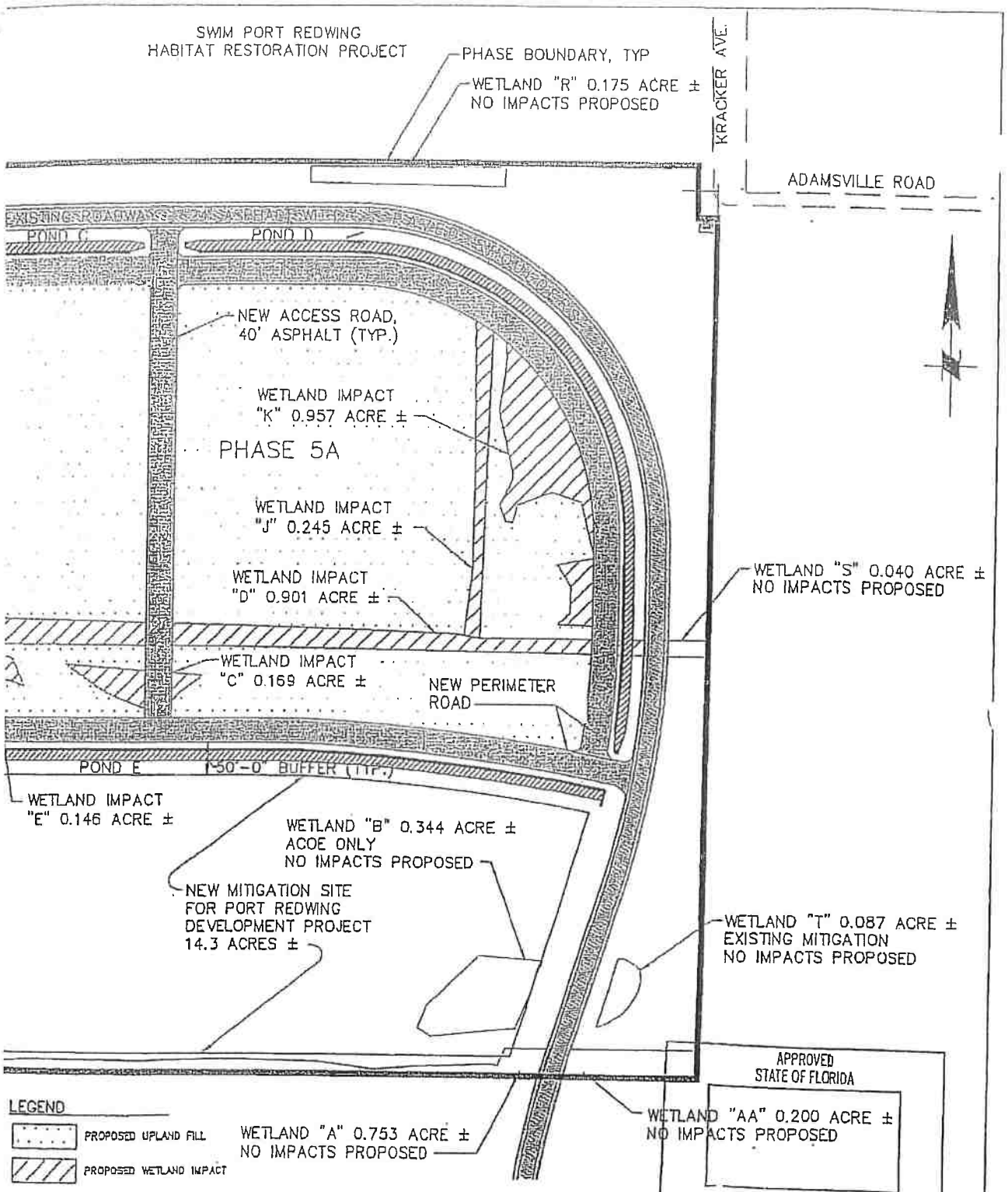
MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	1"=200'
DATE:	02-26-03
SHEET	17 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



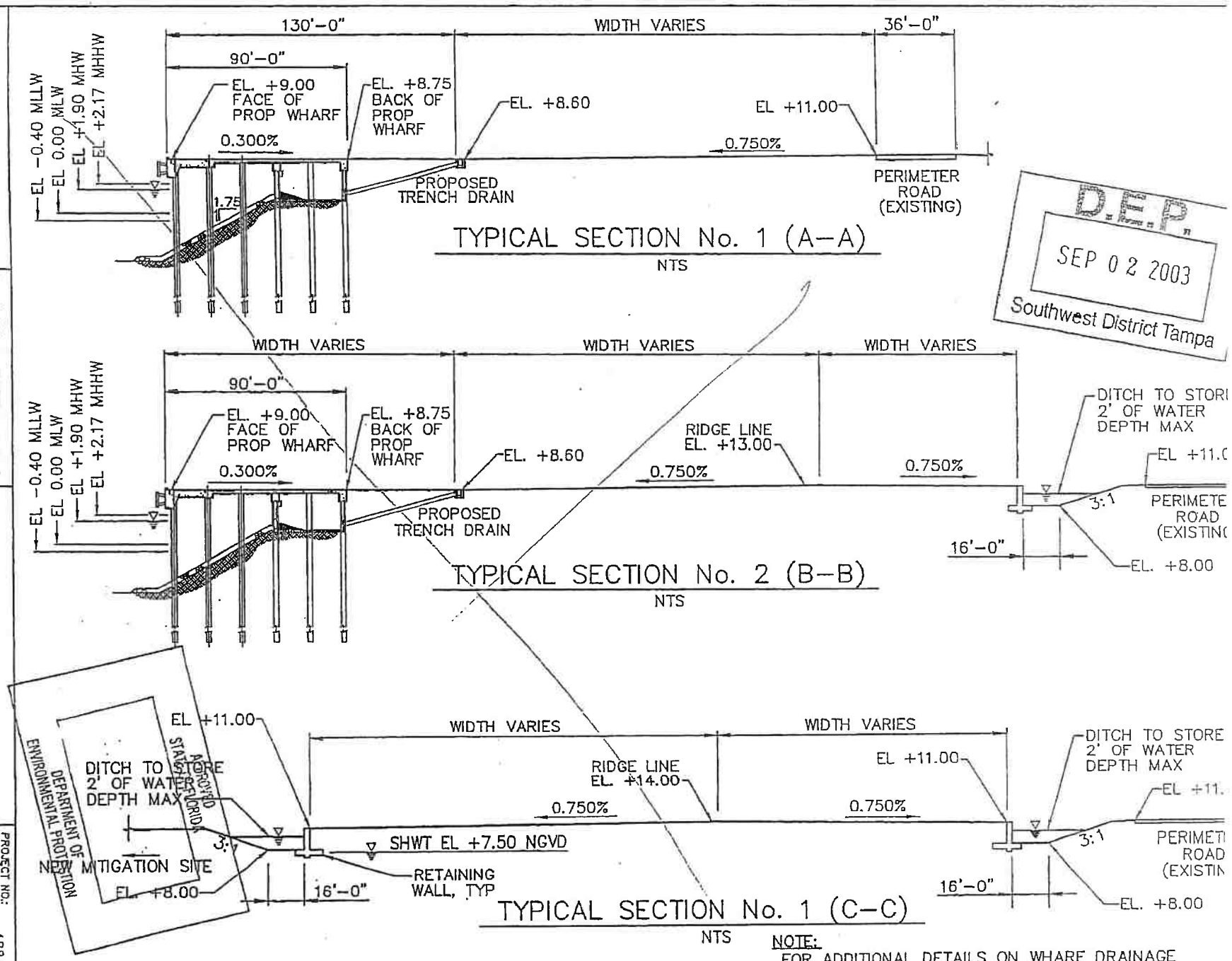
PHASE 5A
DREDGE AND FILL IN WETLANDS

ATTACHMENT 10

MOFFATT & NICHOL ENGINEERS 1509 W. SWANN AVE. SUITE 225 TAMPA, FLORIDA 33606 FL C.A. No. 4877	PORT REDWING TAMPA PORT AUTHORITY 1101 CHANNELSIDE DRIVE TAMPA, FLORIDA 33602	PROJECT NO.: 4884-01 SCALE: 1"=200' DATE: 02-26-03 SHEET 18 OF 42

TAMPA PORT AUTHORITY

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



DEP
SEP 0 2 2003
Southwest District Tampa

Jeffrey D. Malyszek
JEFFREY D. MALYSZEK, PE
FL PE No. 0048745

MOFFATT & NICHOL
ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

608

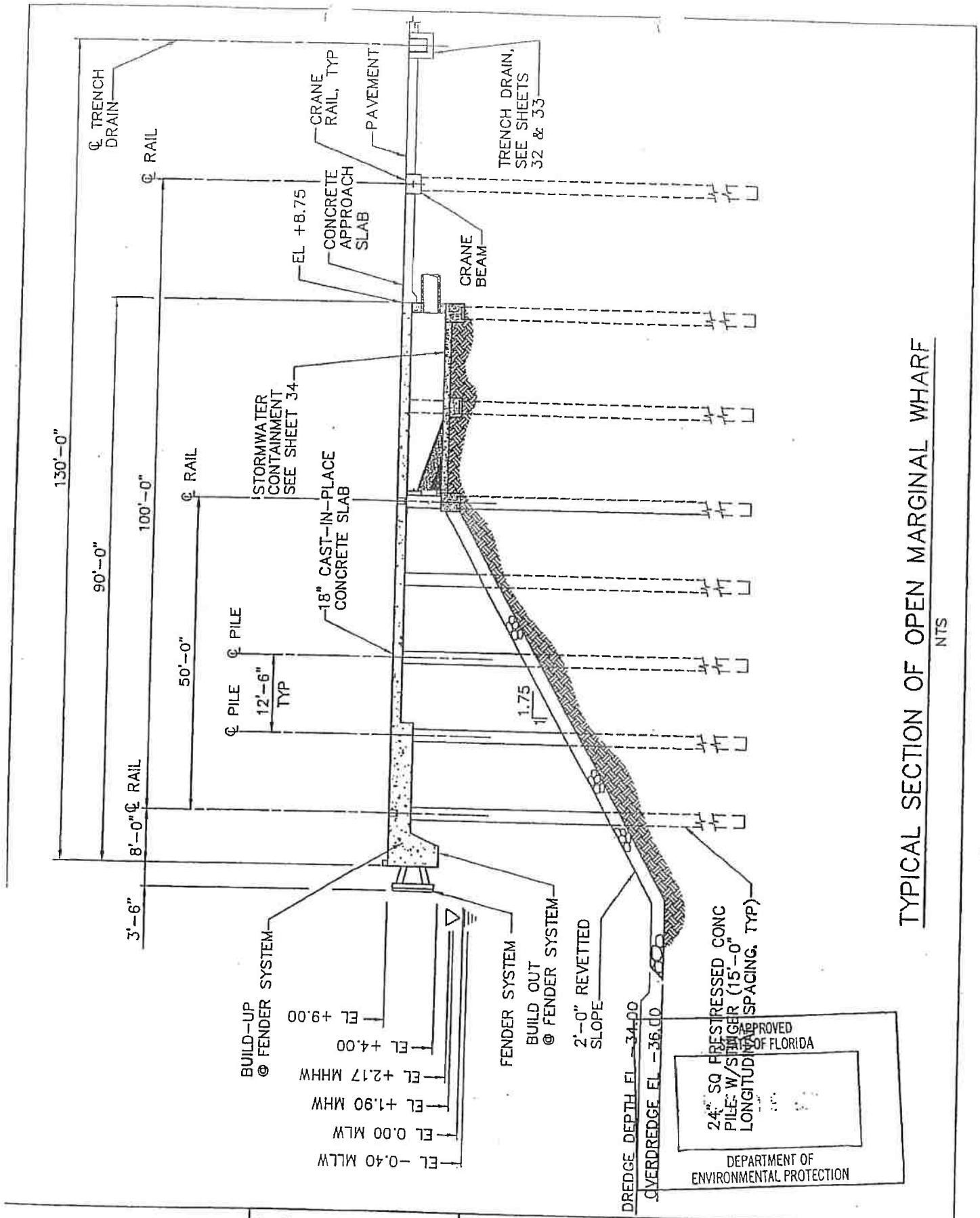
TAMPA PORT AUTHORITY

PORT REDWING

TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	SCALE:	DATE:	SHEET
4884-01	NOT TO SCALE	09-04-02	19 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



TYPICAL SECTION OF OPEN MARGINAL WHARF

NTS

JEFFREY D. MALYSZEK, PE

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606

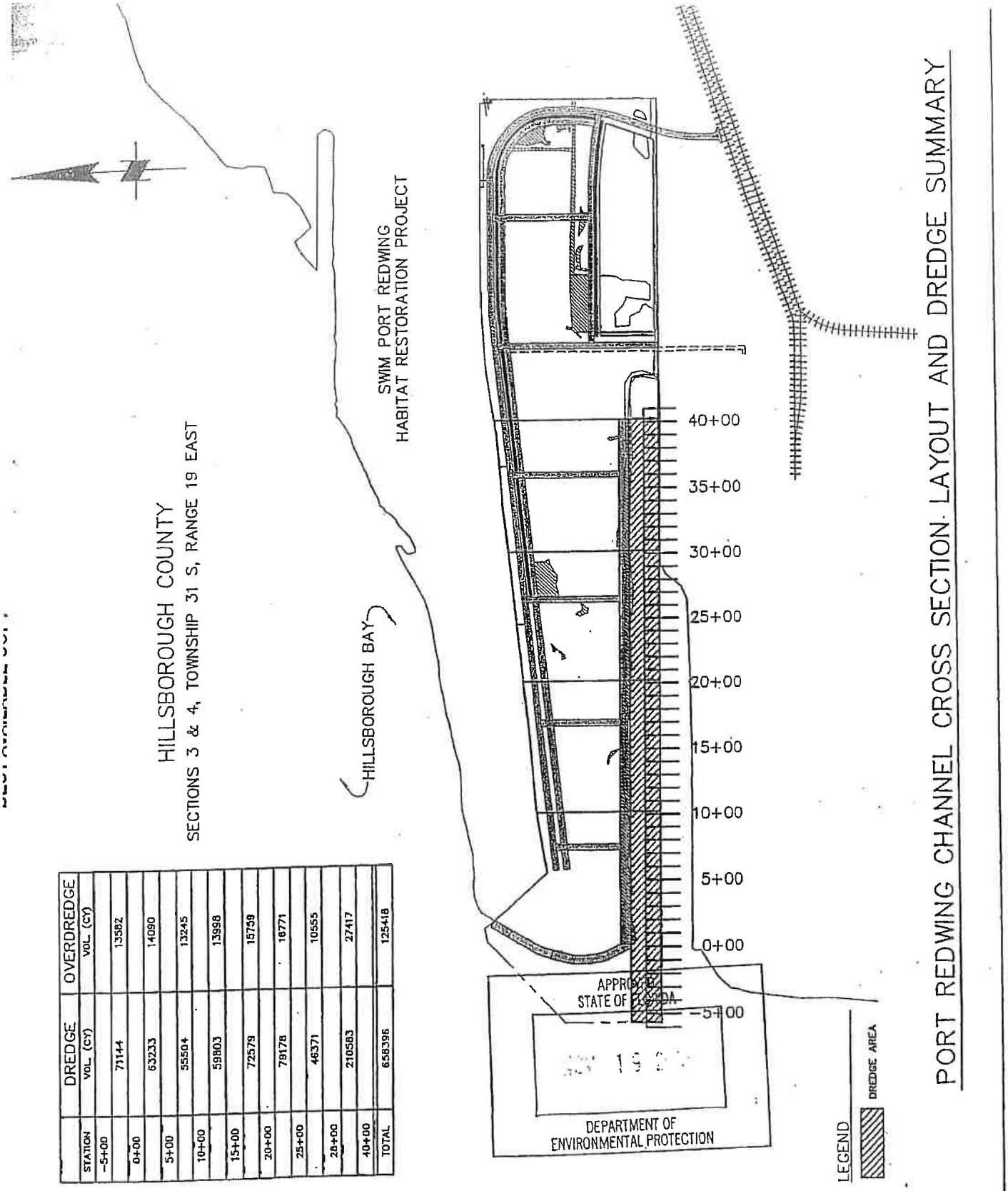
609

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE

PROJECT NO.: 4884-01
SCALE: NOT TO SCALE
DATE: 09-04-02

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT REDWING CHANNEL CROSS SECTION LAYOUT AND DREDGE SUMMARY



STATION	DREDGE VOL. (CY)	OVERDREDGE VOL. (CY)
-5+00	71144	13582
0+00	63233	14090
5+00	55504	13245
10+00	59803	13998
15+00	72579	15759
20+00	79178	16771
25+00	46371	10555
28+00	210583	27417
40+00		
TOTAL	658396	125418

JEFFREY D. MILLYSZEK, PE
FL PE No. 0048745

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	1"=1000'
DATE:	05-13-02
SHEET	21 OF 42

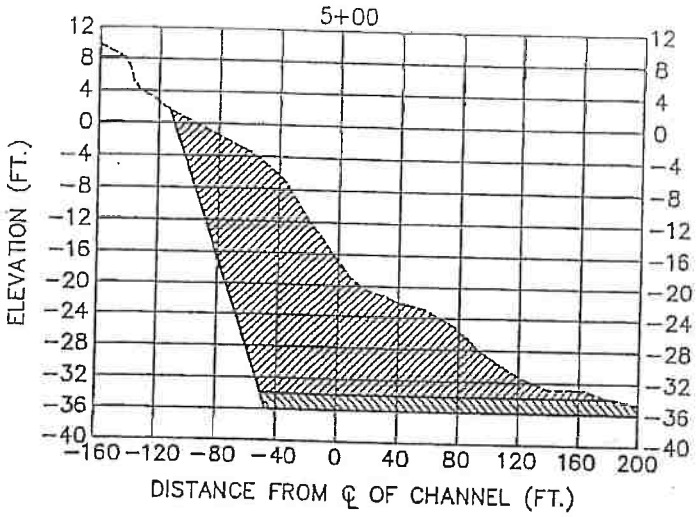
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

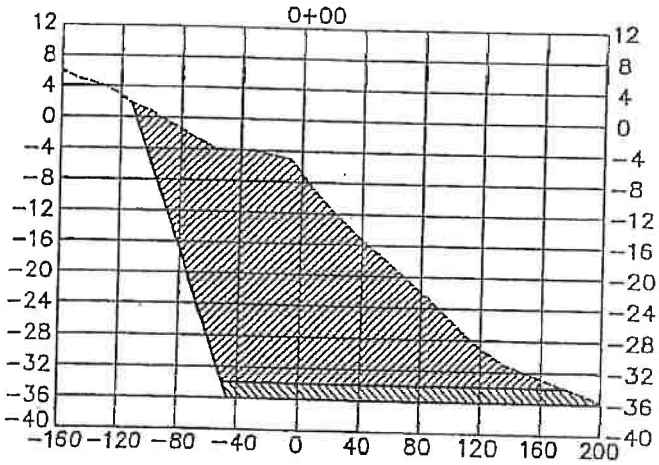
0 60 120 240 360

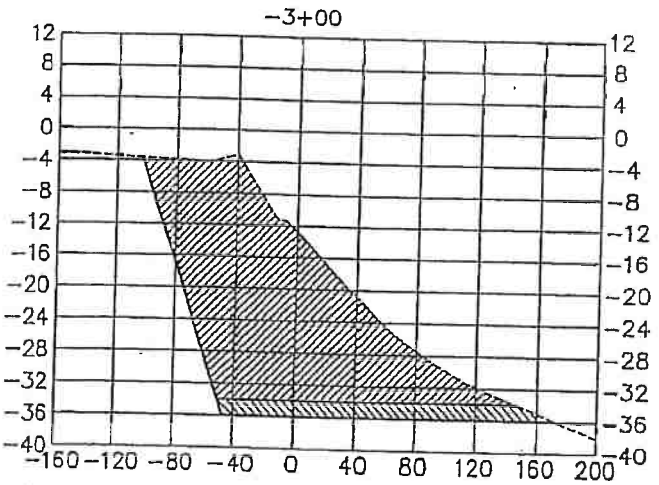
HORIZONTAL SCALE: 1"=120'

0 12 24 48 72

SCALE: 1"=24'







APPROVED
STATE OF FLORIDA

DEPARTMENT OF
ENVIRONMENTAL PROTECTION

LEGEND:

- EXISTING ELEVATION
- DREDGE ELEVATION
- AREA TO BE DREDGED
- 2' OVERDREDGE

PORT REDWING CROSS SECTIONS

(1 OF 3)

JEFFREY D. MAZYSZEK, PE
FL PE No. 0048745

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

611

TAMPA PORT AUTHORITY

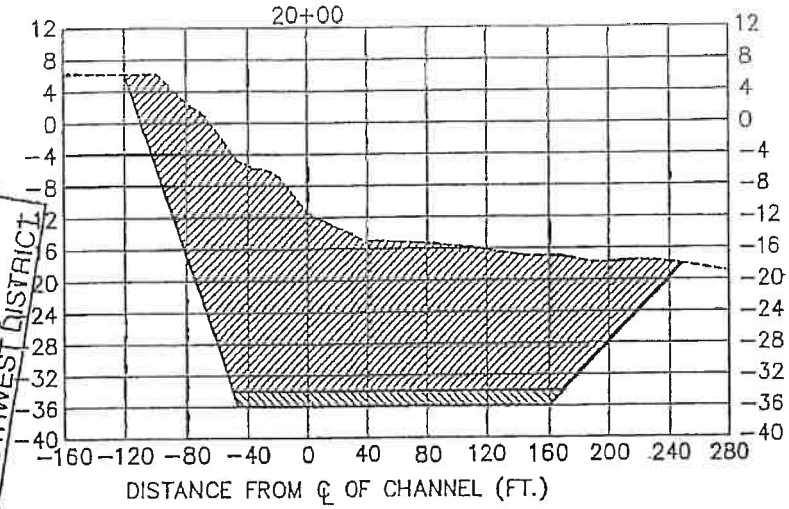
PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	AS SHOWN
DATE:	09-04-02
SHEET	22 OF 42

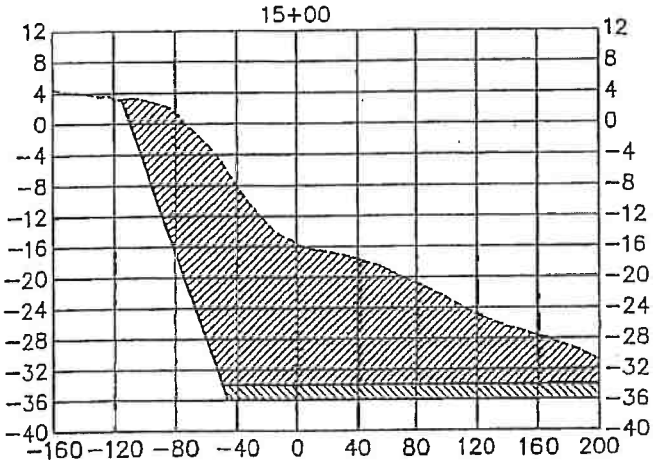
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

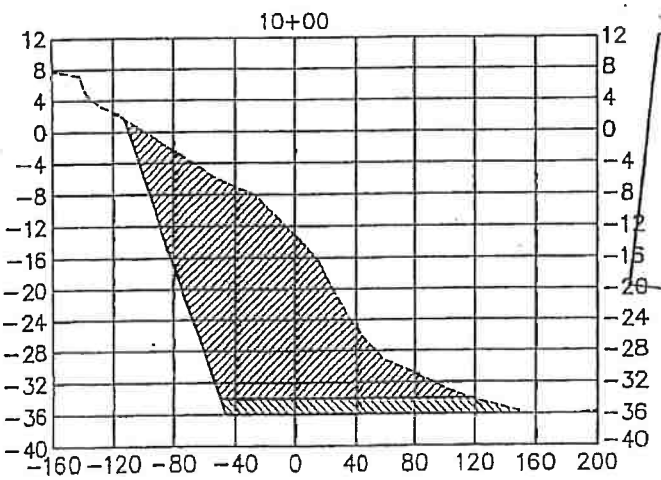
0 12 24 48 72

SCALE: 1"=24'



RECEIVED
JUL 30 2003
SOUTHWEST DISTRICT





APPROVED
STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

LEGEND:
- EXISTING ELEVATION
- DREDGE ELEVATION
- AREA TO BE DREDGED
- 2' OVERDREDGE

PORT REDWING CROSS SECTIONS

(2 OF 3)

JEFFREY D. MALTSZEK, PE
FL PE No. 0048745

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

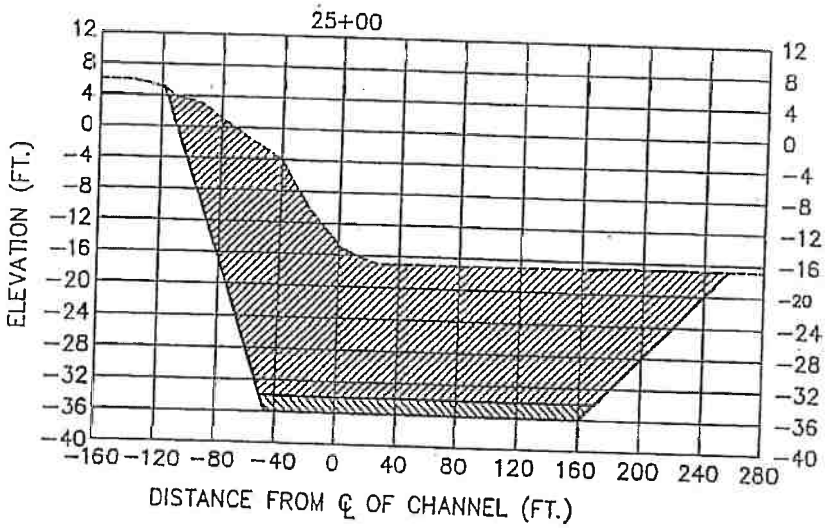
PROJECT NO.:	4884-01
SCALE:	AS SHOWN
DATE:	09-04-02
SHEET	23 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

0 60 120 240 360
HORIZONTAL SCALE: 1"=120'

0 12 24 48 72
SCALE: 1"=24'

APPROVED
STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION



LEGEND:
- EXISTING ELEVATION
- DREDGE ELEVATION
- AREA TO BE DREDGED
- 2' OVERDREDGE

PORT REDWING CROSS SECTIONS

NTS

JEFFREY D. MACISZEK, PE
FL PE No. 0048745

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

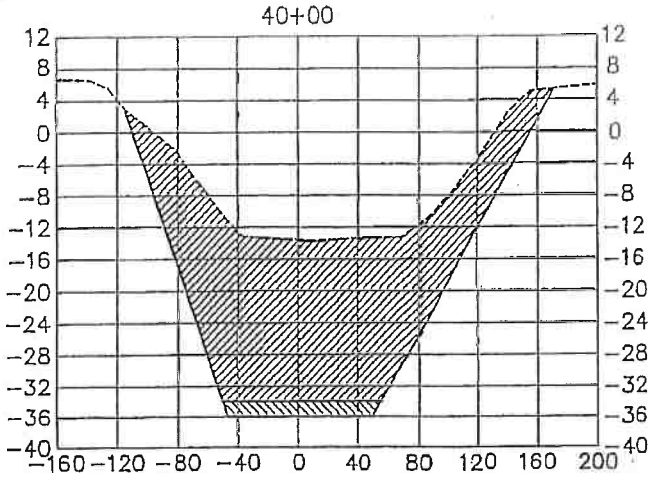
PROJECT NO.:	4884-01
SCALE:	AS SHOWN
DATE:	09-04-02
SHEET	

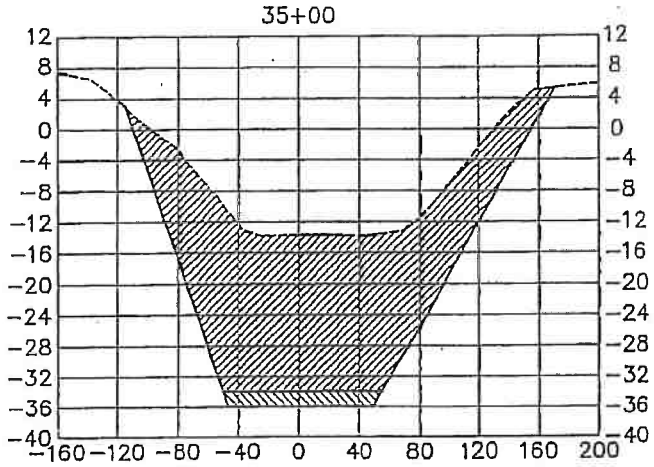
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

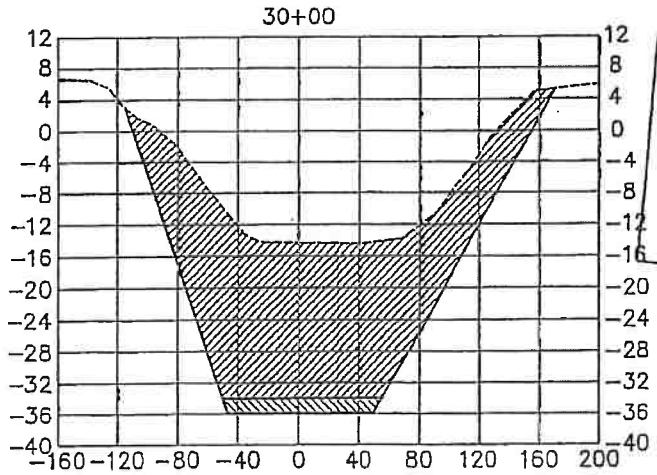
HORIZONTAL SCALE

0 12 24 48 72

SCALE: 1"=24'







APPROVED
STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

LEGEND:
- EXISTING ELEVATION
- DREDGE ELEVATION
- AREA TO BE DREDGED
- 2' OVERDREDGE

PORT REDWING CROSS SECTIONS

(1 OF 3)

JEFFREY D. MALYSZEK, PE
FL PE No. 0048745

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

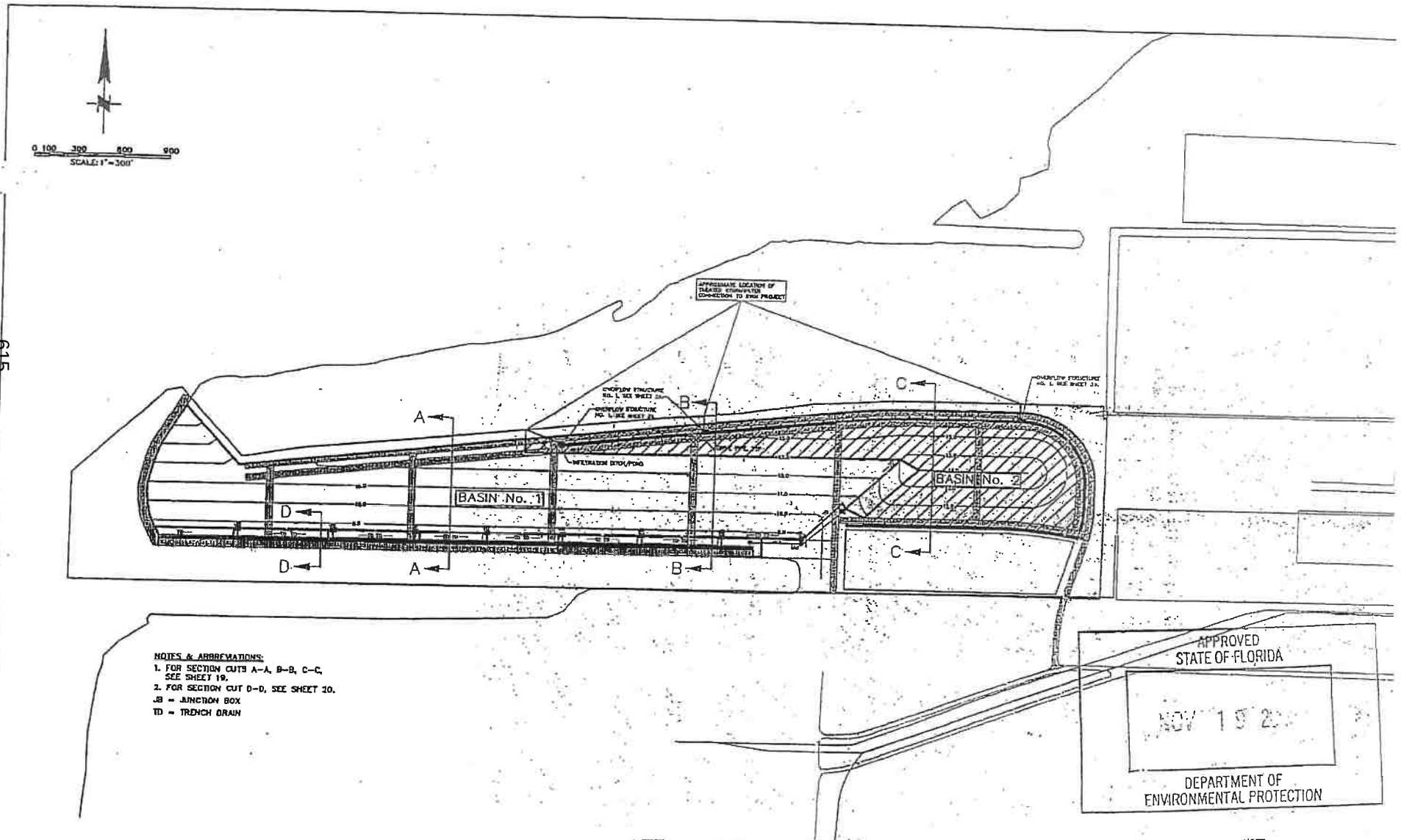
TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	AS SHOWN
DATE:	09-04-02
SHEET	24A OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

BEST AVAILABLE COPY



615

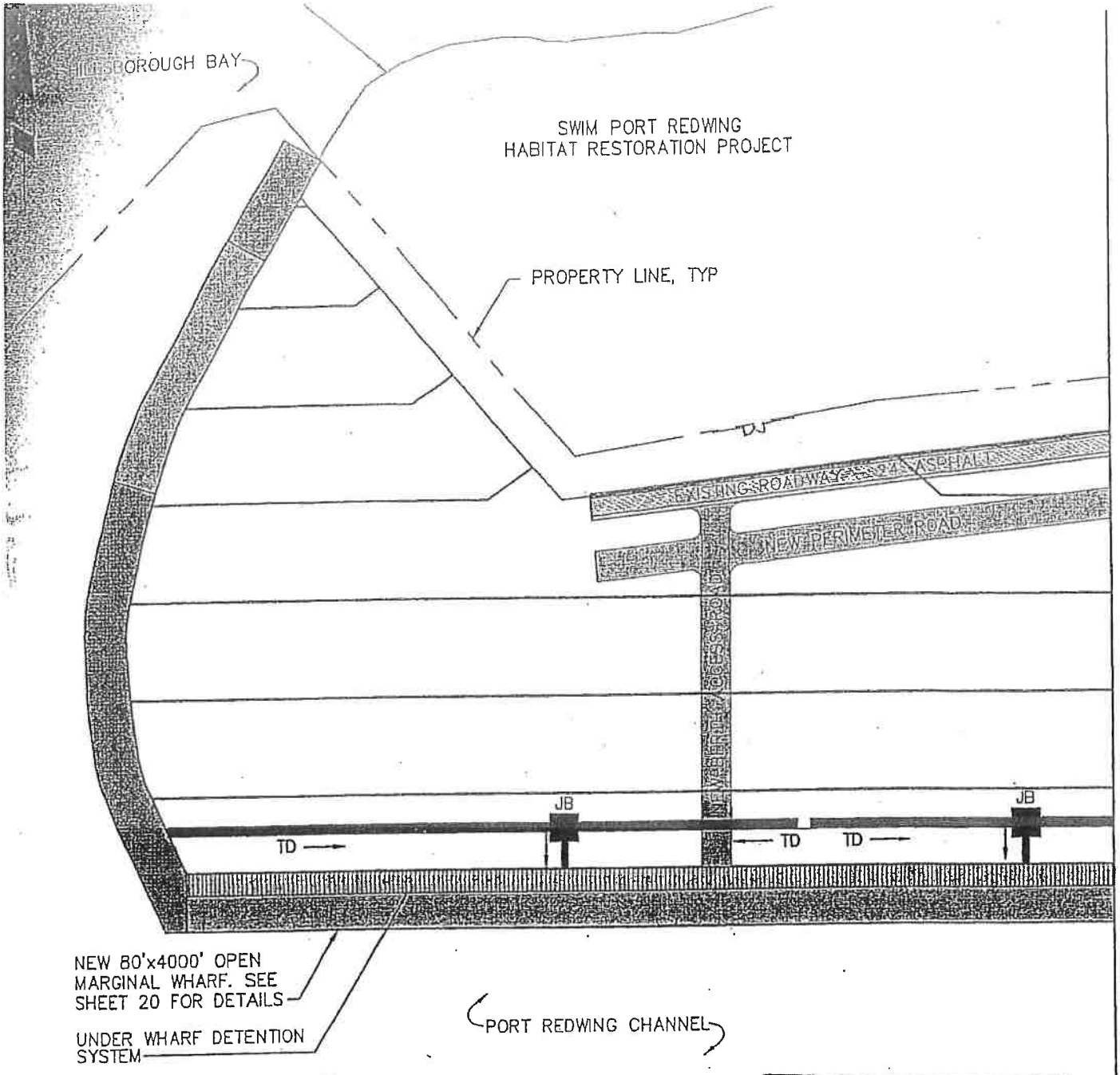
ATTACHMENT 11

MOFFATT & NICHOL
ENGINEERS
1500 W. SWANN AVENUE, SUITE 225
TAMPA, FLORIDA 33606

NOTE:
ALL SCALES INDICATED PERTAIN TO FULL SIZE DRAWINGS (22"x34")

TAMPA PORT AUTHORITY
PORT REDWING DEVELOPMENT PLAN

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



LEGEND:

JB = JUNCTION BOX

TD = TRENCH DRAIN

PHASE 1 DRAINAGE PLAN

JEFFREY D. MALYSZEK, PE
FL PE No. 0048745

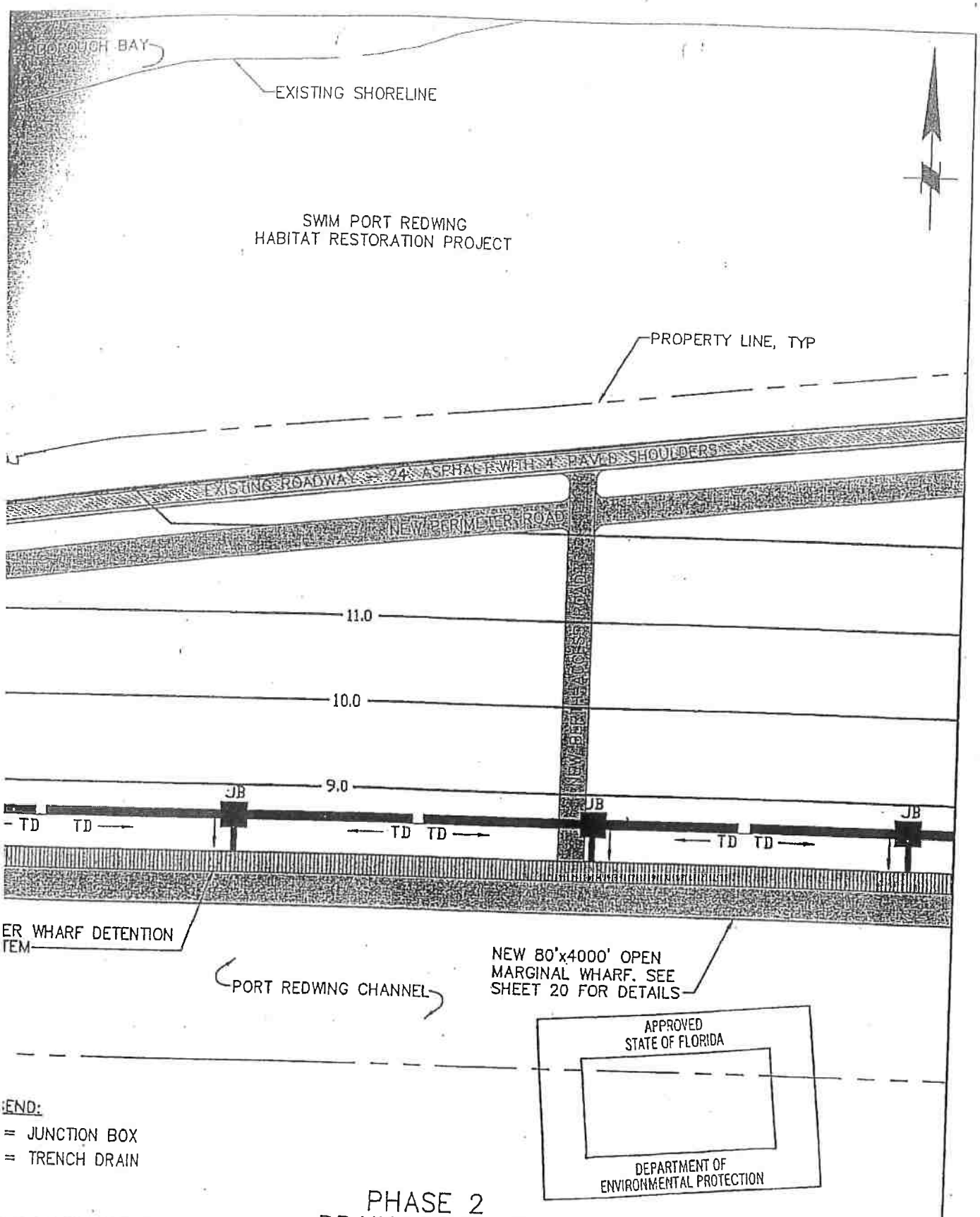
MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	1"=200'
DATE:	05-13-02
SHEET	26 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



:END:

= JUNCTION BOX

= TRENCH DRAIN

PHASE 2
DRAINAGE PLAN

FREY D. MALYSZEK, PE
FL PE No. 0048745

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

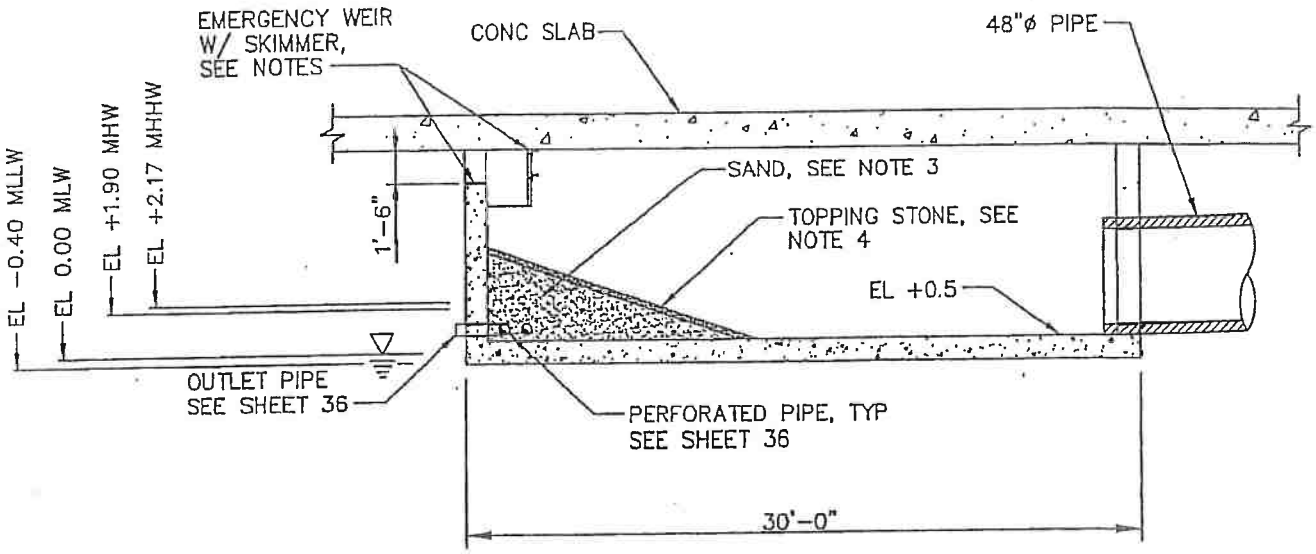
TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	1"=200'
DATE:	05-13-02
SHEET	

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SEP 02 2003
Southwest District Tampa



UNDER WHARF CONTAINMENT BASIN

1/8"=1'-0"

NOTES:

1. SEE SHEET 35 FOR SAND FILTER CONSTRUCTION AT WEIR.
2. SEE SHEET 37 FOR WEIR/SKIMMER DETAILS.
3. SAND – MATERIAL SHALL MEET FDOT ROAD AND BRIDGE SPECIFICATIONS FOR SILICA SAND AND QUARTZ GRAVELS OR MIXTURES THEREOF. MATERIAL SHALL CONTAIN LESS THAN ONE–PERCENT SILT, CLAY OR ORGANIC MATTER UNLESS FILTER CLOTH IS UTILIZED TO RETAIN THE NOTED MATERIALS WITHIN THE FILTER. CALCIUM CARBONATE AGGREGATE IS NOT AN ACCEPTABLE SUBSTITUTE. THE MATERIAL SHALL HAVE UNIFORMITY COEFFICIENT OF 1.5 OR GREATER AND HAVE AN EFFECTIVE GRAIN SIZE OF 0.20 TO 0.55 MILLIMETERS IN DIAMETER.
4. TOPPING STONE FOR FILTER – MATERIAL SHALL BE A #2 PROCESSED GRANITE MATERIAL IN ACCORDANCE WITH FDOT ROAD AND BRIDGE SPECIFICATION SECTION 901.

APPROVED
STATE OF FLORIDA
NOV 15
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

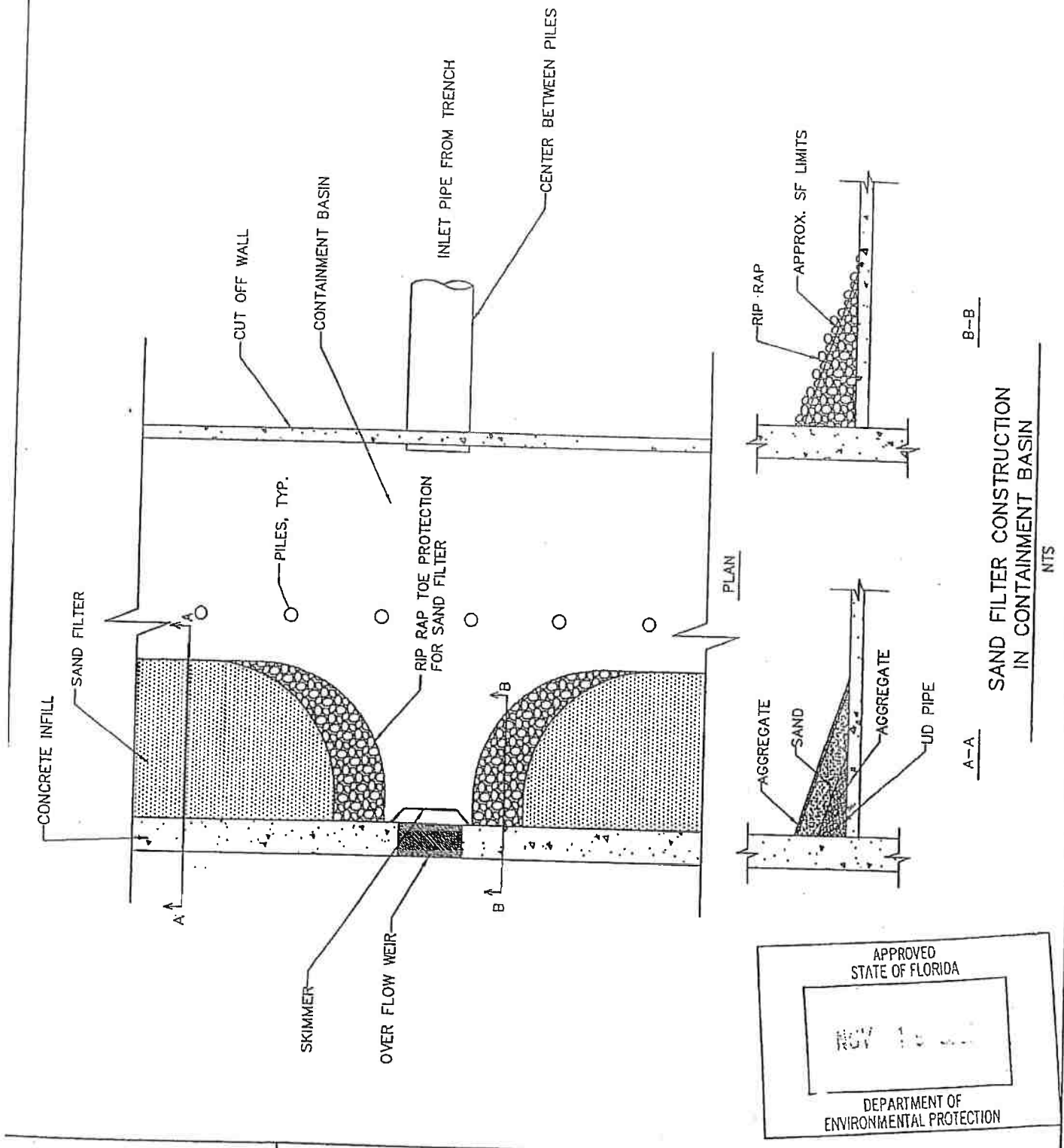
JEFFREY D. MALYSZEK, PE
FL PE No. 0048745

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY
PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884–01
SCALE:	AS SHOWN
DATE:	09–04–02
SHEET	34 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



SAND FILTER CONSTRUCTION IN CONTAINMENT BASIN

NTS

APPROVED
STATE OF FLORIDA
NOV
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JEFFREY D. MALYSZEK, PE
FL PE No. 0048745

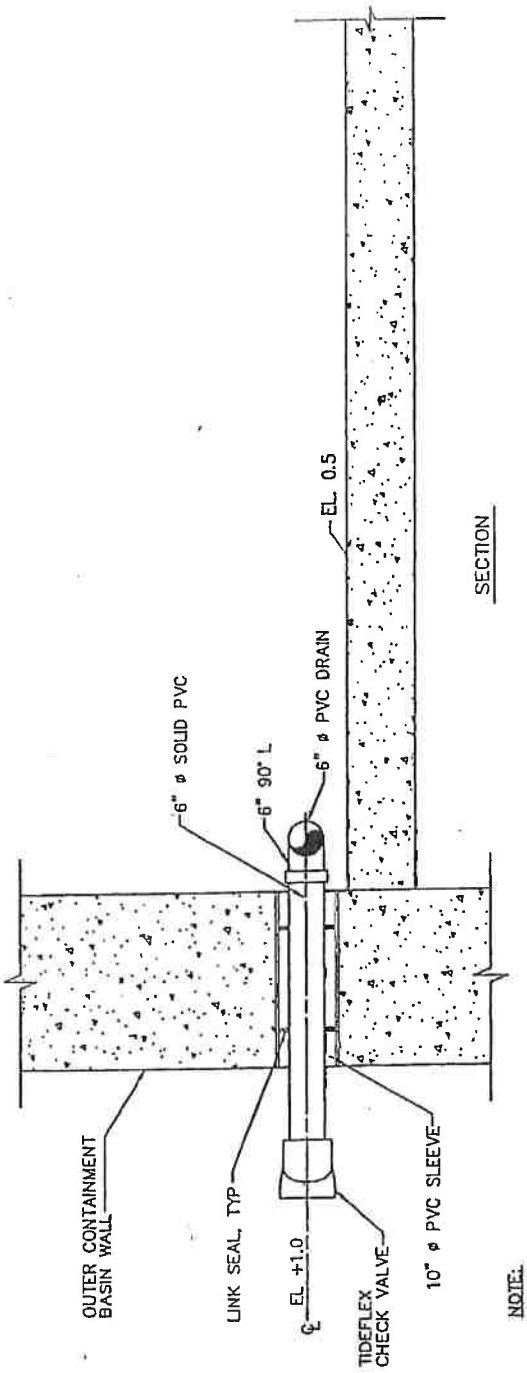
MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

619
TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

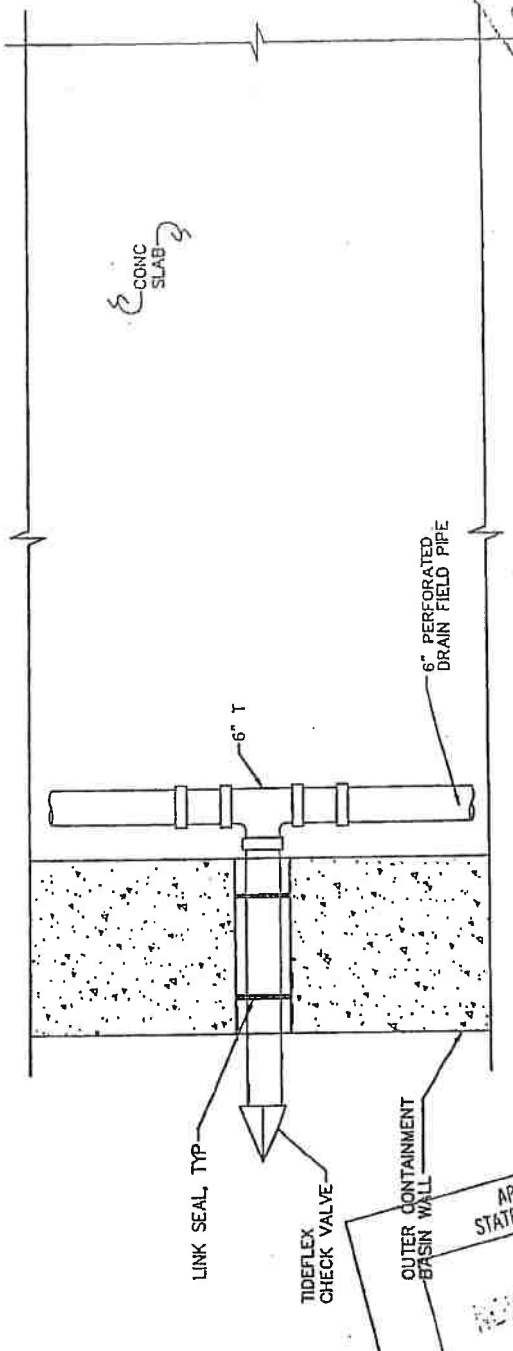
PROJECT NO.:	4884-01
SCALE:	NOT TO SCALE
DATE:	09-04-02
SHEET	

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



SECTION

NOTE: SAND FILTER MEDIUM NOT SHOWN FOR CLARITY.



PLAN

NOTE: SAND FILTER MEDIUM NOT SHOWN FOR CLARITY.

6" CONTAINMENT BASIN OUTLET

NTS

SEP 0 2 2003
Southwest District Tampa

APPROVED
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JEFFREY D. MALYSZEK, PE
FL PE No. 0048745

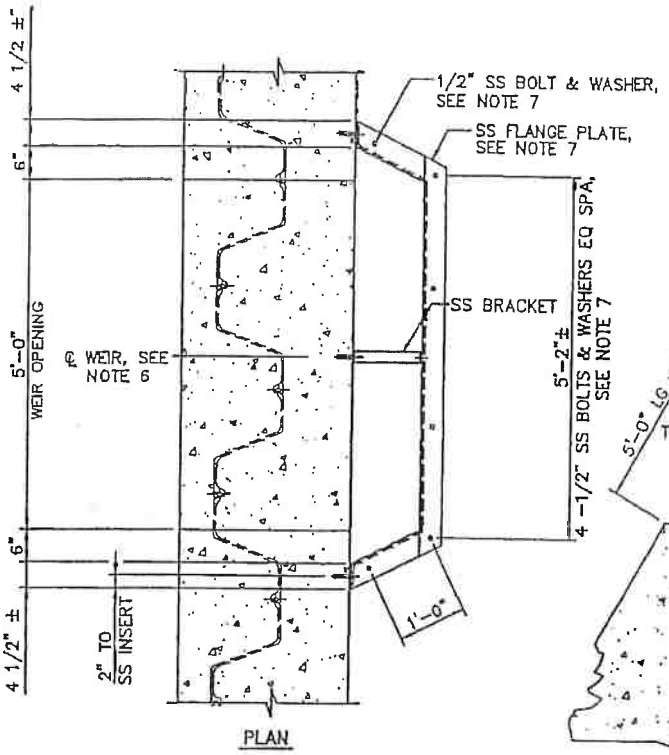
MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

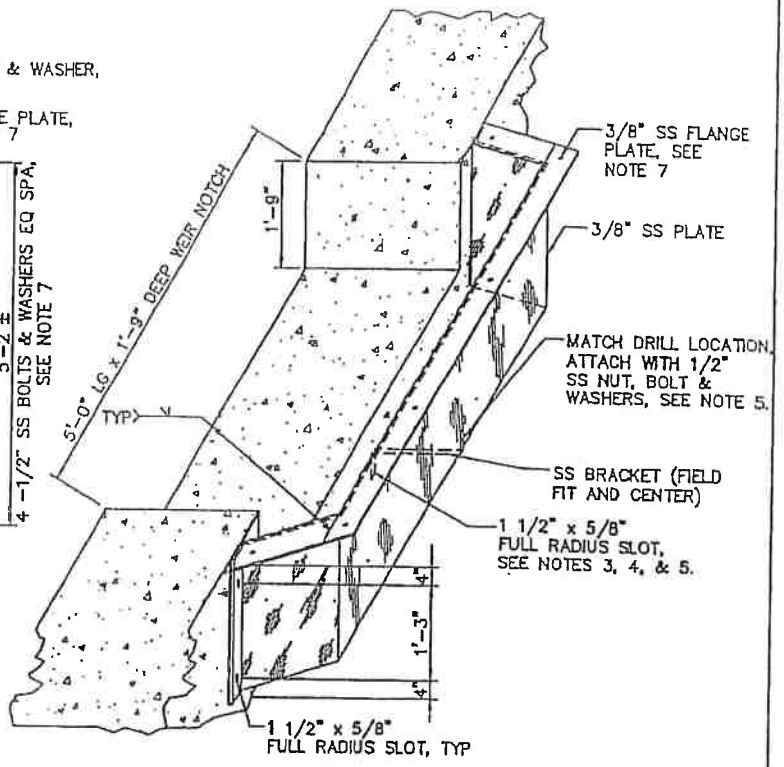
TAMPA PORT AUTHORITY

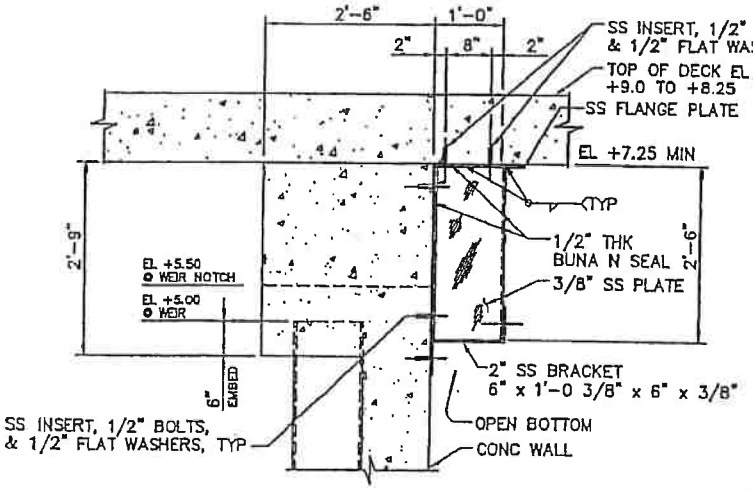
PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	NOT TO SCALE
DATE:	09-04-02
SHEET	36 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39







GENERAL NOTES:

1. BOTH ENDS ARE ALIKE.
2. ALL SS MATERIAL SHALL BE TYPE A-316.
3. INSTALL SS INSERT. (CENTER 1'-0" BENEATH WEIR NOTCH)
4. BRACKET TO HAVE 1 1/2" x 5/8" VERTICAL SLOT CENTERD ON 6" LEG.
5. ATTACH BRACKET TO WALL AT SLOTTED END AND MATCH DRILL BRACKET TO PLATE.
6. WEIR SYMETRICAL ABOUT CENTERLINE.
7. SS INSERT REQUIRED IN DECK ABOVE FOR BOLTS IN FLANGE PLATE. (DECK NOT SHOWN FOR CLARITY)

UNDER WHARF BASIN WEIR/ SKIMMER DETAIL

NTS

APPROVED STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Jeffrey D. Maczyszek, PE
FL PE No. 0048745

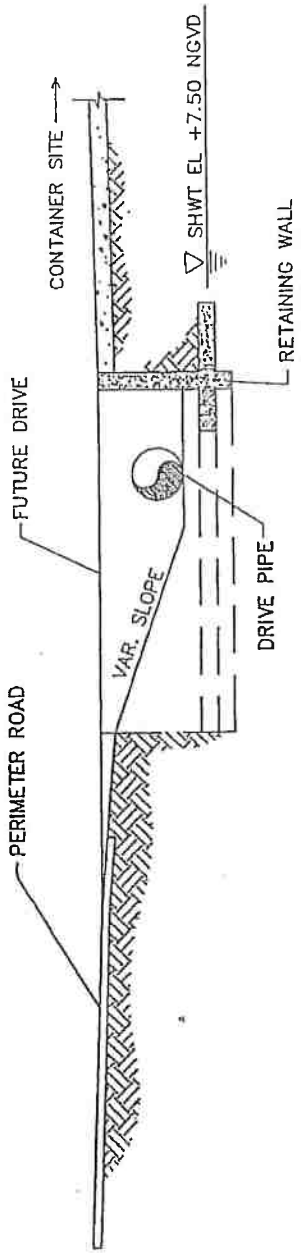
MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	NOT TO SCALE
DATE:	09-04-02
SHEET	

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



DRIVE PIPE CONFIGURATION
NTS

APPROVED
STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JEFFREY D. MACISZEK, PE
FL PE No. 0048745

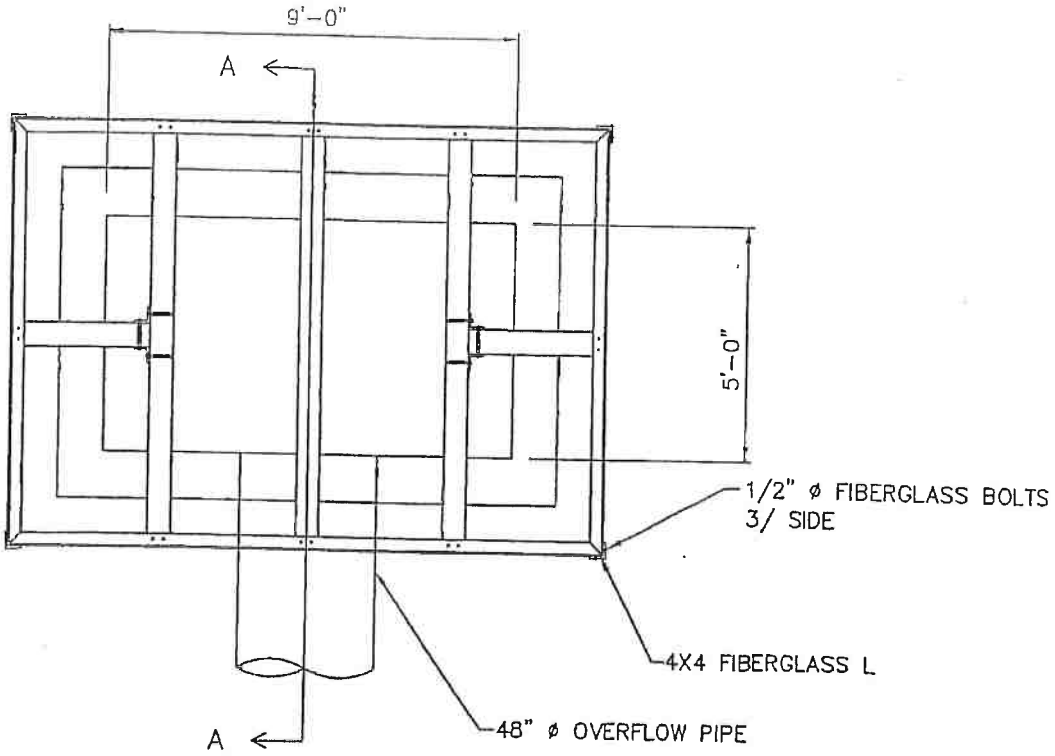
MOFFATT & NICHOL
ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY

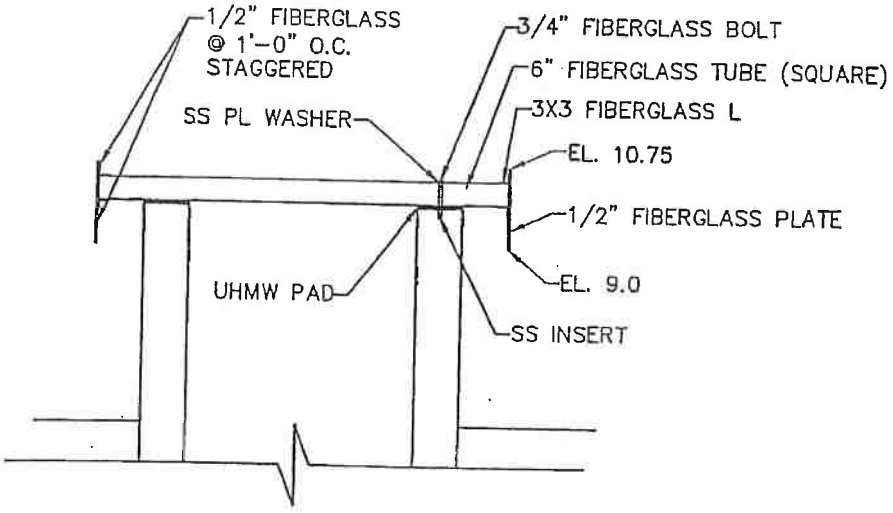
PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	NOT TO SCALE
DATE:	09-04-02
SHEET	38 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



PLAN



SECTION A-A

OVERFLOW STRUCTURE DETAIL LOCATED IN NORTH DITCHES

NTS

APPROVED
STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JEFFREY D. MALYSZEK, PE
FL PE No. 0048745

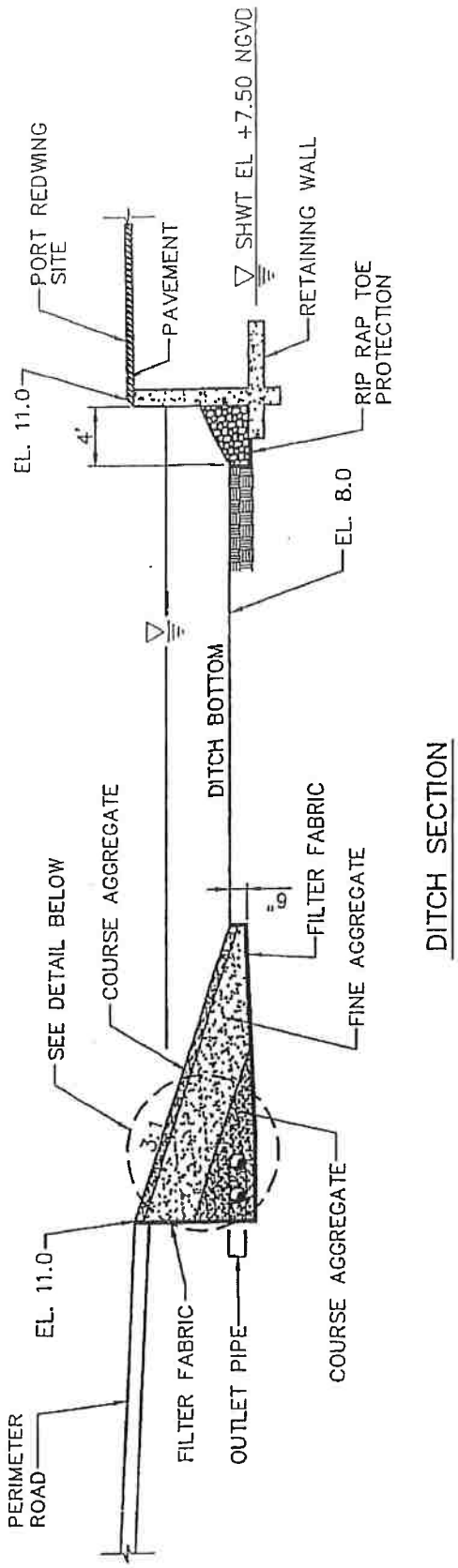
MOFFATT & NICHOL
ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

623
TAMPA PORT AUTHORITY

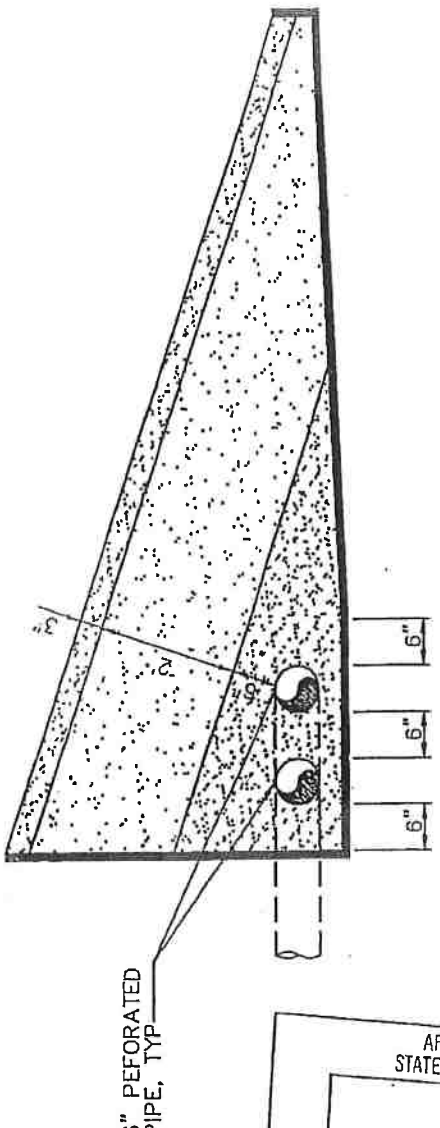
PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	NOT TO SCALE
DATE:	09-04-02
SHEET	

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



DITCH SECTION



DETAIL

DITCH SECTION & DETAIL

NTS

APPROVED
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JEFFREY D. MALYSZEK, PE
FL PE No. 0048745

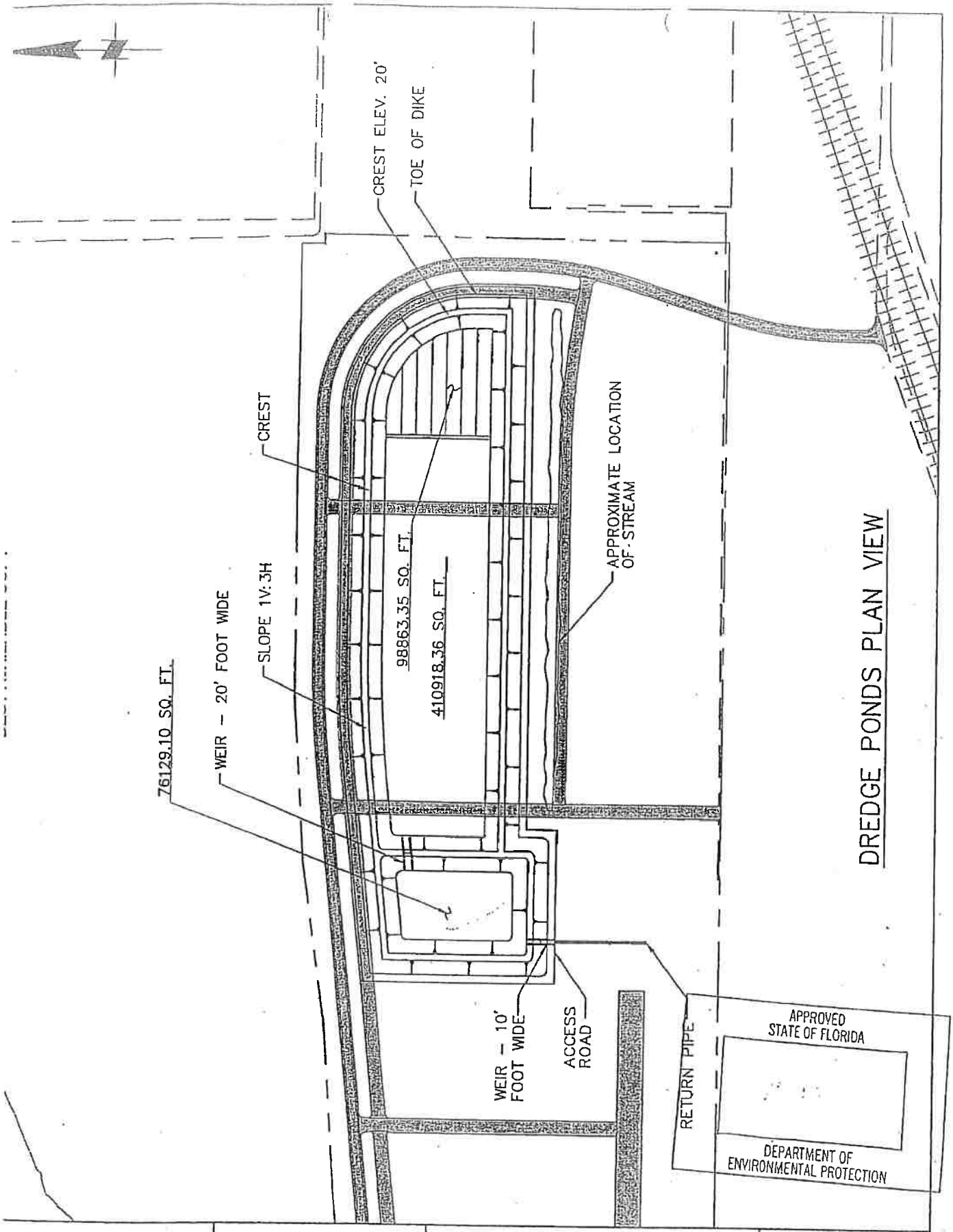
MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606
FL C.A. No. 4877

TAMPA PORT AUTHORITY

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

PROJECT NO.:	4884-01
SCALE:	NOT TO SCALE
DATE:	09-04-02
SHEET	40 OF 42

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



JEFFREY D. MACYSZEK, PE

MOFFATT & NICHOL ENGINEERS
1509 W. SWANN AVE.
SUITE 225
TAMPA, FLORIDA 33606

PORT REDWING
TAMPA PORT AUTHORITY
1101 CHANNELSIDE DRIVE

PROJECT NO.:	4884-01
SCALE:	1"=400'
DATE:	05-13-02

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #3 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Memo

PORT TAMPA BAY.
1101 Channelside Drive
Tampa, Florida 33602

To: Craig Roberts, PTB Real Estate Dept. (croberts@tampaport.com)
Shawn Brown, PTB Operations (sbrown@tampaport.com)

From: Jackie Julien, PTB Environmental Department

Date: August 1, 2025

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

PTB Environmental Department has received a marine construction Standard Work Permit application assigned Standard Work Permit project No. 25-013 from Applied Sciences Consulting, Inc. on behalf of PTB Engineering Department ("Applicant") for proposed construction of new Berth 301 Wharf, as referenced above, for the project site that is a Leased industrial upland parcel along Big Bend Channel inner east/west end of the shipping channel.

- The subject Standard Work Permit Application (SWPA #25-013) is being reviewed for issuance of a PTB marine construction permit pursuant to Section 25, Chapter 95-488 Laws of Florida. A copy of the SWP application and project drawing(s), is attached for your review.

- Please provide written comments for this marine construction project regarding the issuance of a permit and advise PTB Environmental Dept. staff regarding any associated subject site restrictions, lease, easement, or other requirements, as appropriate to the project.

☑ Site with Existing Lease: Logistec, SESCO, Ardent Mills, AJA, Redwing Terminals

- (PTB RE) Location of waterbody is determined to be sovereign submerged lands: ☑ Yes / ☐ No

- (PTB RE) Ownership/Control of submerged lands for project area is determined to be: (List ALL that apply) ☑ PTB/TPA ☐ City of Tampa ☐ Other: _____

CP 8/4/25

Date / Comments / Stipulations: The above tenants with existing leases which use B300 and B302, along with future tenants will utilize new Berth 301.

Please provide comments or objections to the issuance of a permit, in writing, to the PTB Environmental Department within thirty (30) days of receipt of this memo. If you have any questions regarding this application, please contact me at 813-905-5033 or jjulien@tampaport.com and bbaity@tamaport.com.

Copy: ewashington@tampaport.com; pblair@tampaport.com; miseifert@tampaport.com; ccooley@tampaport.com; ckurial@tampaport.com; PTB File (25-013)

Enclosures

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #4 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

From: Croft, Todd
To: Barbara Baity
Cc: Chin, Melissa
Subject: RE: SWPA 25-013-Port Tampa Bay-Berth 301-6059 Diana Toledo Almeida Rd., Gibsonton, FL Project Notice
Date: Tuesday, August 5, 2025 10:09:50 AM

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Hi Barbara,
FDOT Tampa Ops, Permits, has no comments. It's too far from US41 for our permitting to take effect.
However, if their work impacts adjacent to US41, then we'll take another look.

I'll forward this notice to our other units at District. If they have any comments, I'll let you know.

Todd Croft
Permits Manager
FDOT Tampa Operations Center
2822 Leslie Road
Tampa, FL 33619
OFFICE: (813) 612-3318
CELL: (813) 326-0506

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #5 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

From: Jones, Stephanie
To: Barbara Baity; Jackelyn Julien
Subject: FWC Comments - Berth 301 Marginal Wharf, Hillsborough County (301-6059)
Date: Tuesday, August 12, 2025 4:49:47 PM
Attachments: image001.png

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Project Name: Berth 301 Marginal Wharf, Hillsborough County
File Number: 301-6059

Florida Fish and Wildlife Conservation Commission (FWC) staff have reviewed the proposed project to extend the Berth 302 steel combination wall bulkhead 500' west to create a new Berth 301. The total fill volume will be 40,170 square feet. The project also includes the installation of a high wind bollard and a stormwater system. The construction is proposed to last 12 months. The site of the proposed project is located at Port Redwing, Gibsonton, Hillsborough County.

The proposed project is located in an area where presence of both Gulf sturgeon (*Acipenser oxyrinchus desotoi*) and smalltooth sawfish (*Pristis pectinata*) may occur. Gulf sturgeon is a federally-listed threatened species pursuant to the Endangered Species Act (ESA), and the potential "take" of this species associated with this project may only be authorized by the National Marine Fisheries Service (NMFS) and/or the U.S. Fish and Wildlife Service (USFWS). Smalltooth sawfish is a federally-listed endangered species pursuant to the ESA, and the potential "take" of this species associated with this project may only be authorized by the National Marine Fisheries Service (NMFS).

Additionally, Gulf sturgeon is a state-listed threatened species pursuant to FWC rule 68A-27, F.A.C., and a marine Prohibited Species pursuant to FWC rules 68B-8 and 68B-15, F.A.C. Smalltooth sawfish is a state-listed endangered species pursuant to FWC rule 68A-27, F.A.C., and a marine Prohibited Species pursuant to FWC rules 68B-8 and 68B-44, F.A.C.

The FWC defers to NMFS and USFWS, and requests that Port Tampa Bay take into consideration any project-specific permit conditions, comments, recommendations and Biological Opinions regarding Gulf sturgeon and smalltooth sawfish that NMFS and USFWS may provide (or have provided) for federal consultation or permitting activities associated with this project.

Florida manatee (*Trichechus manatus latirostris*) use of this area is documented by aerial survey, mortality, and satellite telemetry data. It is our recommendation that the following measures, if they are made conditions to the permit, will satisfy the requirements of 379.2431(2) and 373.414(1)(a)2, Florida Statutes:

1. The Standard Manatee Conditions for In-water Work (2011) shall be followed for all in-water activity.

2. While performing backfilling between the bulkheads, it is important to ensure that

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

manatees or marine turtles do not become entrapped during installation of the steel combination-wall bulkhead or gain access after the steel combination-wall bulkhead has been installed and before the filling work begins. Observation surveys for manatees shall be performed for three (3) consecutive days prior to and three (3) consecutive days after the installation of the steel combination-wall bulkhead and before filling work begins to ensure manatees are not enclosed in the area that will be filled. Survey protocol must meet the conditions outlined below:

a. the surveys shall be conducted either by ground/aerial observers with an observer that has previous experience observing manatees and meets the criteria outlined in the Observer Guidelines for Protected Species Monitoring Programs in Florida State Waters manual;

b. surveys shall be conducted twice a day for 3 consecutive days prior to the installation of the steel combination-wall bulkhead;

c. surveys shall be conducted twice a day for 3 consecutive days after the installation of the steel combination-wall bulkhead and prior to the start of filling;

d. any manatees or marine turtles sighted shall initiate opening the area to allow for manatee or marine turtle access out of the system with the animal monitored as necessary until it has left the new berth area, and shall not be herded, poked, prodded or harassed into leaving;

e. if after 3 consecutive days no manatees are observed, filling work may proceed;

f. and in the event a manatee or marine turtle becomes stranded or entrapped in the isolated channel the FWC shall be immediately notified by calling the FWC Wildlife Alert Hotline at 1-888-404-3922 to initiate rescue or recovery. An email describing the events shall be sent to ImperiledSpecies@MyFWC.com within 24 hours.

3. The Permittee shall ensure that an observer(s) shall watch for protected marine species (manatees, marine turtles, dolphins, etc.) during all in-water work to ensure compliance with the stop work zone required in this authorization. Observers shall perform no other duties that may interfere with their ability to observe protected marine species. All observers shall have prior on-the-job observation experience (including previous sightings of manatees) during previous dredging work where the activities were similar in nature to this project and meet the criteria outlined in the Observer Guidelines for Protected Species Monitoring Programs in Florida State Waters manual. The Permittee shall ensure that all observers are given a copy of the permit for the project, including all special conditions, prior to construction commencement.

4. For all pile-driving activity related to this project:

   a. At least one dedicated observer shall be present during pile driving activities and shall perform no other duties that may interfere with their ability to observe for protected marine species. Observer(s) must have prior on-the-job experience observing manatees during in-water work where the activities where similar in nature to this project, and meet the criteria outlined in the Observer Guidelines for

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Protected Species Monitoring Programs in Florida State Waters manual. Observer(s) shall have the authority to cease project operations 1) upon sighting a manatee within 50 feet of the pile driving or vessel activity; and 2) if detection of manatees is not possible due to weather or other conditions.

b. All pile driving activities shall be limited to daylight hours to maximize visibility for protected species observers. Monitoring shall occur for 30 minutes prior to, during, and for 30 minutes after pile driving ends.

c. During pile driving, the project shall utilize a ramp-up measure. At the start of pile driving activity, pile driving hammers shall initially be operated at low levels, then gradually increase to minimum necessary power required for pile installation.

d. If the activities appear to harass or injure a protected marine species, then work shall cease immediately and not resume until after consultation with the Florida Fish and Wildlife Conservation Commission (ImperiledSpecies@MyFWC.com or 850-922-4330). Any additional conservation measures deemed necessary by FWC must be implemented to minimize the risks to protected species.

5. To reduce the risk of a vessel crushing a manatee, the permittee shall install wharf fenders with appropriate materials to provide sufficient standoff space of at least three feet under maximum designed compression. Fenders or buoys shall provide a minimum standoff space of at least three feet under maximum designed compression between two vessels that are moored together.

6. To reduce the risk of entrapment and drowning of manatees, manatee exclusion devices (such as grating) shall be installed and maintained over any existing or proposed pipes or culverts greater than 8 inches, but smaller than 8 feet in diameter that are submerged or partially submerged and reasonably accessible to manatees. If horizontal or vertical bars are used, no more than 8-inch gaps on center shall be allowed. Grates shall be in place at the accessible end(s) during all phases of the construction process and as a final design element to restrict manatee access. Additional information can be found in FWC's guidance document on Grates and Other Manatee Exclusion Devices for Culverts and Pipes.

Thank you for the opportunity to review this project. Please contact me at (850) 922-4330 or via email if you have any questions or require additional information.

Sincerely,

Steph Jones
Fisheries and Wildlife Biological Scientist IV
Imperiled Species Management
Florida Fish and Wildlife Conservation Commission (FWC)

Office: (850) 922-4330
Stephanie.Jones@MyFWC.com

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Florida Fish and Wildlife
Conservation Commission

MyFWC.com

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #6 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

From: Muller, John
To: Barbara Baity; Jackelyn Julien
Cc: Turbiville, John (Forest)
Subject: Comment for Construction of New Berth 301 Project
Date: Thursday, August 21, 2025 8:18:00 PM
Attachments: image001.png

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

The only comment from the County staff is from the Conservation Department regarding the Fred & Idah Schultz Nature Preserve. Their request is for increased communication on the project start and end dates and event durations. It may be helpful when the contractor kicks off that we get a copy of any schedule if that's possible particularly for the activities that will elevate noise levels. We note that the Port is taking efforts for mitigation to wildlife for noise impacts that include daylight operations only, gradually ramping up operations to allow for acclimation, and limiting amount of piles driven per day.

Thank you!
John

John Muller, P.E.
Director
Facility Management & Real Estate Services

P: (813) 272-6040
M: (813) 459-8153
E: mullerj@HCFL.gov.net

Hillsborough County
601 E. Kennedy Blvd., Tampa, FL 33602

Facebook | Twitter | YouTube | LinkedIn

Please note: All correspondence to or from this office is subject to Florida's Public Records law.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #7 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

From: Tony Mantegna
To: Barbara Baity
Subject: RE: SWPA 25-013-Port Tampa Bay-Berth 301-6059 Diana Toledo Almeida Rd., Gibsonton, FL Project Notice
Date: Thursday, August 14, 2025 4:59:19 PM

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

No Airport impacts identified

From: Barbara Baity <bbaity@tampaport.com>
Sent: Friday, August 1, 2025 11:30 AM
To: conservationplanningservices@myfwc.com; FW4FLESREGS@fws.GOV; SiteFile@dos.state.fl.us; Tony Mantegna <TMantegna@TampaAirport.com>; nmfs.ser.esa.consultation@noaa.gov; wren@tbrpc.org; alana@tbrpc.org; jeff.liechty@audubon.org; pclark@tampabaywatch.org; Nate Alcoz <ajalcoz@tecoenergy.com>; skroh@tecoenergy.com; nfletcher@tecoenergy.com; david.nicholas@dot.state.fl.us; todd.croft@dot.state.fl.us; wwmtampa@uscg.mil; a.eugene.stratton@uscg.mil; anthony.r.sciullo@uscg.mil; decaturs@hillsboroughcounty.org; grinaldia@hcfl.gov; websterl@hcfl.gov; rockymilburn@tampabaysierraclub.org; adubois@logistec.com; rcomeaux@gc.logistec.com; pharris@gc.logistec.com; a.eletreby@sescocement.com; a.samir@sescocement.com; Peter Owens <powens@appliedfl.com>
Cc: Jackelyn Julien <Jjulien@tampaport.com>
Subject: SWPA 25-013-Port Tampa Bay-Berth 301-6059 Diana Toledo Almeida Rd., Gibsonton, FL Project Notice

CAUTION: This is an external email. Do NOT click links or open attachments unless you recognize the sender and know the content is safe.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #8 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

From: Gilbreath, Warren
To: Jackelyn Julien
Cc: Webster, Larry; UtilityCoordination; Cabrera, Richard; Barbara Baity
Subject: RE: SWPA 25-013-Port Tampa Bay-Berth 301-6059 Diana Toledo Almeida Rd., Gibsonton, FL Project Notice
Date: Monday, August 18, 2025 3:36:17 PM
Importance: High

CAUTION: External Sender. Please do not click on links or open attachments from senders you do not trust.

Good Afternoon Jackie,

Please be advised that Hillsborough County has no water, wastewater, or reclaimed water utilities within the limits of this project. We have no comments and no objection to this permit request.

Please let me know if you need additional assistance.

Thank you!

Warren Gilbreath, BS
Engineering Associate
Water Resources Department

E: GilbreathW@HCFL.gov
P: (813) 209-3075

601 E. Kennedy Blvd., Tampa, FL 33602
HCFL.gov

Facebook | X | YouTube | LinkedIn | Instagram | HCFL Stay Safe

Hillsborough County Florida

Please note: All correspondence to or from this office is subject to Florida's Public Records law.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #9 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39
Docusign Envelope ID: 7B34E890-BAB4-4575-901F-4988ECBBDAE8

Hillsborough County
City-County
Planning Commission

Resolution: Port Tampa Bay Standard Work Permit Application No. 25-013 Berth 301, Port Redwing

September 8, 2025

WHEREAS, the Hillsborough County City-County Planning Commission developed a Comprehensive Plan for Unincorporated Hillsborough County, pursuant to the provisions of Chapter 163, Florida Statutes, which was originally adopted by the Hillsborough County Board of County Commissioners on November 26, 2024, as amended; and

WHEREAS, Port Tampa Bay applied for a Port Tampa Bay Standard Work Permit, Application No. 25-013, to construct Berth 301 at Port Redwing; and

WHEREAS, the Hillsborough County City-County Planning Commission is the Local Planning Agency (LPA) charged with reviewing Port Tampa Bay permit applications for consistency with the *Comprehensive Plan for Unincorporated Hillsborough County* per Chapter 163, Florida Statutes, and Chapters 95-488 and 97-351, Laws of Florida; and

WHEREAS, the Hillsborough County City-County Planning Commission received Port Tampa Bay Standard Work Permit Application No. 25-013, with a request for review for consistency with the *Comprehensive Plan for Unincorporated Hillsborough County*; and

WHEREAS, the Hillsborough County City-County Planning Commission reviewed Port Tampa Bay Standard Work Permit Application No. 25-013, considering all relevant information, including the adopted Goals, Objectives, and Policies of the *Comprehensive Plan for Unincorporated Hillsborough County* as follows:

Future Land Use Section – Airports & Ports

Objective 4.17: Development must meet or exceed all airport zoning regulations, as established by the Land Development Code and by the Aviation Authority and the Port Tampa Bay, unless such requirements are waived through established procedures.

Policy 4.17.3: The expansion or construction of new port and airport facilities will take into consideration the protection, conservation, and mitigation of impacts on all natural resources and be located so as to minimize potential impact on environmentally sensitive lands and established neighborhoods.

Policy 4.17.4: The County shall promote the ports, airports, and related facilities development consistent with the Comprehensive Plan and the respective adopted Master Plans by:

- *Ensuring that growth/development in and around the ports and airports is compatible with ports' and airports' operations and expansion plans, as identified in their master plans and any amendments;*

- *Giving prioiorty to the use of land for expansion of exisiting port and airport facilities and the planning and developmetn of new facilities where forecasted demands so indicate.*

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39
Docusign Envelope ID: 7B34E890-BAB4-4575-901F-4988ECBBDAE8

- *Limiting heavy and light industrial land uses conversions to residential and mixed-uses in the Port Activity Center, as shown in the Port Master Plan.*

Coastal Management

Objective 4.2: Cooperate with the Port Tampa Bay to restrict dredge and fill operations within the coastal area to activities that facilitate the continued use of existing channels, activities associated with appropriate water-dependent uses, water-related uses, and uses pursuant to the Port Master Plan, and activities that correct environmental degradation.

Policy 4.2.1: Except as provided herein, filling of surface waters of Tampa Bay and its rivers and tributaries up to the distance of navigability as defined by Port Tampa Bay jurisdiciton for development purposes is prohibitied. This policy shall not apply to:

a. Incidental Fill; or

b. Governmental projects that are necessary to promote public health, safety or general welfare, including activities that facilitate the continued use of existing channels, activities associated with appropriate water-dependent uses, water-related uses, and uses pursuant to the Port Master Plan, and activities that correct environmental problems.

Policy 4.2.4: Support Port Tampa Bay's efforts to:

f. Continue to implement an efficient consolidated berth maintenance dredging program under requisite authorizations (permits) of the FDEP and the Army Corps of Engineers, including a long-term Dredged Material Management Plan (DMMP).

i. Incorporate cost-effective and innovative stormwater treatment capability into Port Tampa Bay's projects, to the extent that such systems do not compromise port safety, displace critical shoreside properties, and are practicable from an engineering perspective.

WHEREAS, Planning Commission staff determined that Port Tampa Bay Standard Work Permit 25-013 is consistent with the Goals, Objectives, and Policies of the *Comprehensive Plan for Unincorporated Hillsborough County.*

NOW, THEREFORE, BE IT RESOLVED, that the Hillsborough County City-County Planning Commission finds Port Tampa Bay Standard Work Permit 25-013 **CONSISTENT** with the *Comprehensive Plan for Unincorporated Hillsborough County*.

The above resolution for Port Tampa Bay Standard Work Permit Application No. 25-013 Berth 301, Port Redwing was adopted by the Planning Commission on September 8, 2025.

By motion of Commissioner Louk
Seconded by Commissioner Kugler

Commissioner Bowden	Aye
Commissioner Buzza	Aye

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39
Docusign Envelope ID: 7B34E890-BAB4-4575-901F-4988ECBBDAE8

Commissioner Cardenas	Aye
Commissioner Cona	Absent
Commissioner Joseph, Ph.D., Chair	Aye
Commissioner Kress, AICP	Aye
Commissioner Kugler	Aye
Commissioner Linkous, Ph.D., AICP	Aye
Commissioner Louk, Vice-Chair	Aye
Commissioner Sieben, Member-at-Large	Aye

DocuSigned by:
63DCAB30B571461...
Commissioner Joseph, Ph.D., ***Chair***

DocuSigned by:
344A2D6F0B36465...
Melissa Zornitta, FAICP
Executive Director

Persons needing assistance reading or interpreting items in this document, free of charge, are encouraged to contact the ADA Coordinator at (813) 272-5940, or ADACoordinator@plancom.org. Plan Hillsborough (the Planning Commission, the Hillsborough TPO and the Hillsborough River Board) cannot ensure accessibility for items produced by other agencies or organizations.

Se recomienda a las personas que necesiten ayuda para leer o interpretar este documento, sin costo alguno, que se pongan en contacto con Coordinador de ADA at (813) 272-5940, o ADACoordinator@plancom.org. Plan Hillsborough (la Comisión de Planificación, el TPO de Hillsborough y la Junta del Río Hillsborough) no puede asegurar la accesibilidad de los documentos publicados por otras agencias u organizaciones. Si sólo habla español, por favor llame a la línea de ayuda en español al (813) 272-5940 marque el número 1.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #10 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

COMMISSION

Gwendolyn "Gwen" W. Myers CHAIR
Harry Cohen VICE-CHAIR
Chris Boles
Donna Cameron Cepeda
Ken Hagan
Christine Miller
Joshua Wostal

DIRECTORS

Janet D. Lorton EXECUTIVE DIRECTOR
Elaine S. DeLeeuw ADMIN DIVISION
Sam Elrabi, P.E. WATER DIVISION
Diana M. Lee, P.E. AIR DIVISION
Michael Lynch WETLANDS DIVISION
Rick Muratti, Esq. LEGAL DEPT
Steffanie L. Wickham WASTE DIVISION

September 10, 2025

Jackie Julien (Sent via Email)
Port Tampa Bay
jjulien@tampaport.com
Post Office Box 2192
Tampa, Florida 33601

SUBJECT: PORT TAMPA BAY (PTB) PERMIT APPLICATION #25-013 / EPC REVIEW # 81419 / CONSTRUCTION OF NEW BERTH 301 MARGINAL WHARF (100' W X 500' L) WITH SHEETPILE BULKHEAD & +/- 40,170 CY OF BACKFILL AT 6059 DIANA TOLEDO ALMEIDA ROAD, GIBSONTON, FL / APPLICATION RECEIVED BY EPC ON AUGUST 5, 2025 / FOLIO # 051449-0000 / STR – 03-31S-19E

Dear Ms. Julien:

An environmental review has been conducted for the above described project by the staff of the Wetlands Division of the Environmental Protection Commission (EPC) of Hillsborough County. Based on this review and site inspection conducted August 21, 2025, staff has determined that the project to construct a new berth 301 marginal wharf with a sheetpile bulkhead and +/- 40,170 CY of backfill, as proposed, should not constitute or create deleterious impacts to the natural resources of Hillsborough County; therefore, this agency **does not object** to the proposed project subject to the following conditions:

1. All work must be conducted as proposed and in the location indicated by the plans received on August 5, 2025. Any proposed changes or adjustments must be reviewed and authorized by EPC staff prior to their implementation.

2. All efforts must be undertaken to prevent any erosion or turbid water from being discharged offsite into wetlands and/or waters of the County. Turbid discharges that exceed 29 NTU's (Nephelometric Turbidity Units) above background levels are a violation pursuant to Chapter 1-5, the EPC Water Quality Rule. The erosion or discharge of sediments into wetlands is a violation of Chapter 1-11, the EPC Wetland Rule. Silt screens or other methods of erosion/turbidity control may be required. It is the responsibility of the owner/developer to insure the installation of adequate erosion control barriers prior to the commencement of any site work. These erosion control devices must be maintained in good condition throughout the construction process and until all loose soils have stabilized/settled. It is strongly recommended that all erosion control devices be regularly inspected during construction and modified if conditions

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

warrant.

3. Mangrove trimming or removal is limited to the minimum extent necessary to accommodate the permitted activity only. Any additional trimming or alteration of mangroves would require separate review by the EPC, pursuant to Chapter 1-14, Mangrove Trimming and Preservation, Rules of the EPC. This request may be submitted to the EPC through the Mangrove Trimming application or the WEA10-Notice of Exempt Activities in Wetlands form obtained from the EPC website at www.epchc.org. Contact the EPC Wetlands Division at 813-627-2600 for questions.

INFORMATIONAL COMMENTS:

- Please be advised that this approval applies only to the development proposal as submitted, and in no way does it provide EPC approval to any other aspect of the review process. In addition, this approval does not imply exemption from obtaining all proper permits from other governmental agencies.

- Please note that this letter only represents the recommendations of the EPC to the Port Tampa Bay (PTB). The PTB will issue the actual permit. In the event these conditions are not incorporated in the PTB permit, the proposed activity may require a separate authorization from the Executive Director of the EPC.

If you have any questions or concerns regarding this application, please call me by phone at (813) 627-2600 ext. 1209 or by e-mail at gilem@epchc.org.

Sincerely,

Michael Gile

Michael Gile
Environmental Supervisor
Wetlands Division
Environmental Protection Commission
of Hillsborough County

mpg

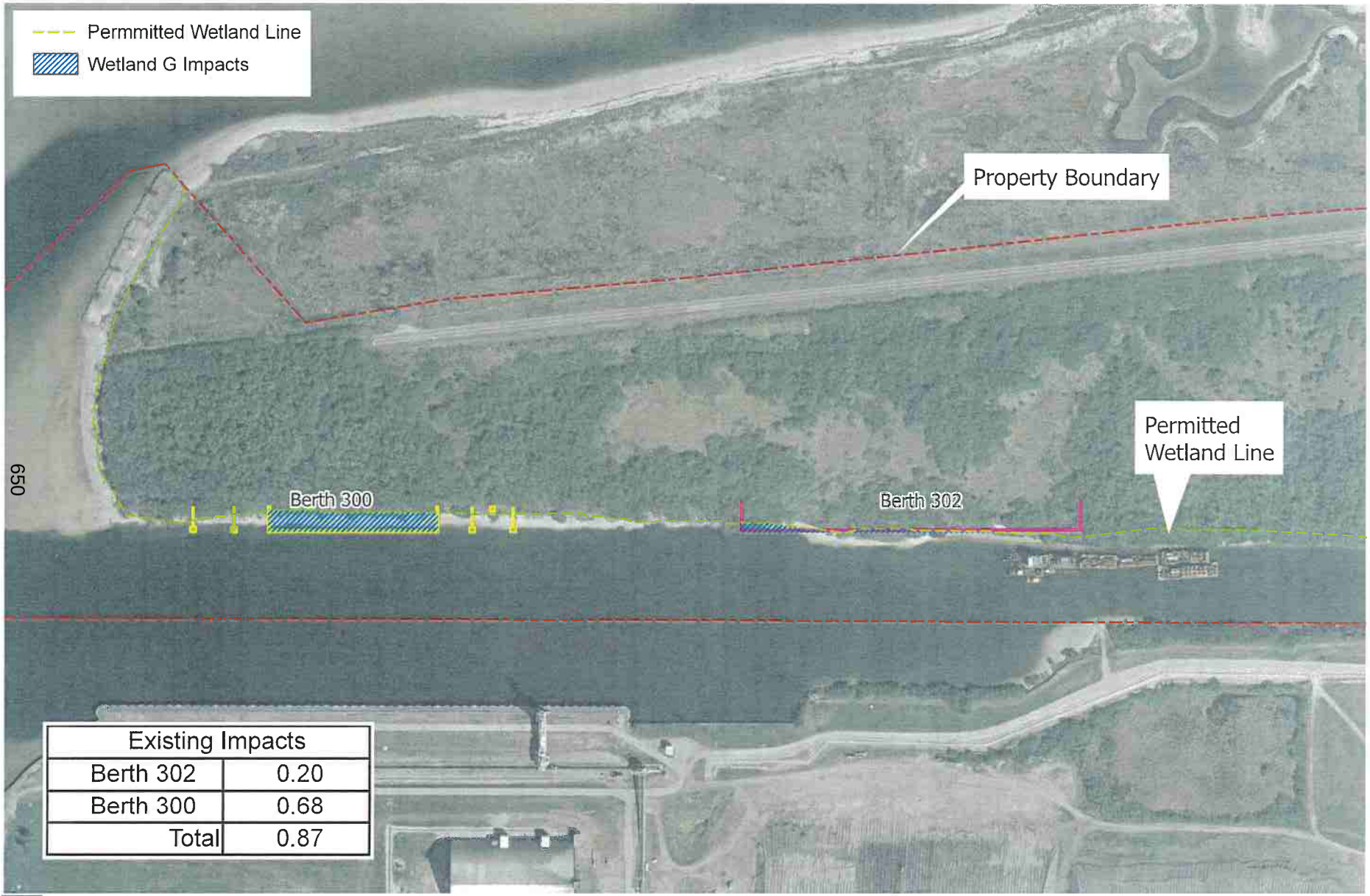
ec: Barbara Baity – bbaity@tampaport.com
Applied Sciences Consulting Inc. – earai@appliedfl.com; permitting@appliedfl.com; powens@appliedfl.com

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #11 - SWPA #25-013 PUBLIC HEARING

WETLAND G LEDGER					
WL and SW ID	FLUCFCS	USFWS	WL & SW SIZE*	WL & SW NOT IMPACTED*	AUTHORIZED PERMANENT IMPACTS TO WL AND SW*
G	510	E1UB	38.67	36.87	1.80
G	642	E2EM	0.24	0.00	0.24
G	710	E2US	3.14	1.79	1.35
G	612/619	E2FO	0.46	0.18	0.28
TOTALS			42.51	38.84	**3.67**
EXISTING IMPACTS					
Berth 300					-0.20
Berth 302					-0.68
Berth 301					-0.39
				REMAINING AUTHORIZED IMPACTS	**2.40**
* ALL AREAS PROVIDED IN ACRES					

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



2006 AERIAL

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #12 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

October 15, 2025

Certified Mail

PUBLIC HEARING NOTICE

PTB STANDARD WORK PERMIT APPLICATION NO. 25-013

APPLICANT: **Tampa Port Authority - Engineering Department**

PROPOSED PROJECT: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Port Redwing Channel; Unincorporated Hillsborough County**

Pursuant to Chapter 95-488, Laws of Florida, the **scheduled** public hearing will be held at the Tampa Port Authority, d/b/a Port Tampa Bay, 1101 Channelside Drive, Tampa, FL 33602 at **10 a.m. on Wednesday, November 5, 2025**. The purpose is to hear comments from the public regarding the above referenced permit application and proposed lease. Information regarding this proposal has been previously provided to you.

Detailed plans and specifications are on file at Port Tampa Bay at 1101 Channelside Drive, Tampa, Florida 33602. They are available for review from 8:30 a.m. until 12 noon and from 1:00 p.m. to 5:00 p.m. Monday through Friday (except holidays).

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing/meeting should call (813) 905-5031 or telecopy (813) 905-5029, no later than 48 hours prior to the hearing/meeting.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING/MEETING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

Please address any questions concerning this Public Hearing to this office. If you have any questions, please contact bbaity@tampaport.com or jjulien@tampaport.com at 813-905-5033.

Sincerely,

Jackelyn Julien

Jackie Julien, Project Manager, Port Tampa Bay – Environmental Dept.

Cc: ccooley@tampaport.com; ewashington@tampaport.com; pblair@tampaport.com; mjseifert@tampaport.com; croberts@tampaport.com; sbrown@tampaport.com; Cabrerar@hcflgov.net; Utilitycoordination@hcflgov.net; naturalresources@hcflgov.net; websterl@hillsboroughcounty.org cumbers@hillsboroughcounty.org; marquezj@hillsboroughcounty.org; gaoj@hillsboroughcounty.org; Rp-Development@hillsboroughcounty.org; conservationplanningservices@myfwc.com, FW4FLESREGS@fws.GOV; SiteFile@dos.state.fl.us tmantegna@tampaairport.com; nmfs.ser.esa.consultation@noaa.gov; wren@tbrpc.org; alana@tbrpc.org; jeff.liechty@audubon.org; pclark@tampabaywatch.org; ajalcoz@tecoenergy.com; skroh@tecoenergy.com; nfletcher@tecoenergy.com; david.nicholas@dot.state.fl.us; todd.croft@dot.state.fl.us; wwmtampa@uscg.mil; a.eugene.stratton@uscg.mil; anthony.r.sciullo@uscg.mil; decaturs@hillsboroughcounty.org; grinaldia@hcfl.gov; websterl@hcfl.gov; rockymilburn@tampabaysierraclub.org; adubois@logistec.com; rcomeaux@gc.logistec.com; pharris@gc.logistec.com; a.eletreby@sescocement.com; a.samir@sescocement.com; mike.singer@swfwmd.state.fl.us; BarnwellM@hillsboroughcounty.org; powens@appliedfl.com. Refer also to Distribution List.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

October 15, 2025

Certified Mail

PUBLIC HEARING NOTICE

Wetland Management Division
Environmental Protection Commission of Hillsborough County
Attn: Michael Gile
3629 Queen Palm Drive
Tampa, FL 33619
(Via Email: gilem@epchc.org)

Reference: **PTB Standard Work Permit Application No. 25-013**

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Proposed Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

Pursuant to Chapter 95-488, Laws of Florida, the **scheduled** public hearing will be held at the Tampa Port Authority, d/b/a Port Tampa Bay, 1101 Channelside Drive, Tampa, FL 33602 at **10 a.m. on Wednesday, November 5, 2025**. The purpose is to hear comments from the public regarding the above referenced permit application and proposed lease. Information regarding this proposal has been previously provided to you.

Detailed plans and specifications are on file at Port Tampa Bay at 1101 Channelside Drive, Tampa, Florida 33602. They are available for review from 8:30 a.m. until 12 noon and from 1:00 p.m. to 5:00 p.m. Monday through Friday (except holidays).

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing/meeting should call (813) 905-5031 or telecopy (813) 905-5029, no later than 48 hours prior to the hearing/meeting.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING/MEETING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

Please address any questions concerning this Public Hearing to this office.

If you have any questions, please contact bbaity@tampaport.com or jjulien@tampaport.com at 813-905-5033.

Sincerely,

Jackelyn Julien

Jackie Julien
Project Manager
Port Tampa Bay – Environmental Dept.

CC: tampareg@usace.army.mil; SW_ERP@dep.state.fl.us; ERPAgencyCoordination@swfwmd.state.fl.us

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

October 15, 2025

Certified Mail

PUBLIC HEARING NOTICE

Mr. Diego Guerra
Hillsborough-City Planning Commission
County Center, 18th Floor
PO Box 1110
Tampa, FL 33601
(Via Email: guerrad@plancom.org / colleges@plancom.org)

Reference: **PTB Standard Work Permit Application No. 25-013**

Applicant: **Tampa Port Authority, d/b/a Port Tampa Bay (PTB), Engineering Dept.**

Proposed Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Redwing Inner Channel; Unincorporated Hillsborough County**

Pursuant to Chapter 95-488, Laws of Florida, the **scheduled** public hearing will be held at the Tampa Port Authority, d/b/a Port Tampa Bay, 1101 Channelside Drive, Tampa, FL 33602 at **10 a.m. on Wednesday, November 5, 2025**. The purpose is to hear comments from the public regarding the above referenced permit application and proposed lease. Information regarding this proposal has been previously provided to you.

Detailed plans and specifications are on file at Port Tampa Bay at 1101 Channelside Drive, Tampa, Florida 33602. They are available for review from 8:30 a.m. until 12 noon and from 1:00 p.m. to 5:00 p.m. Monday through Friday (except holidays).

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing/meeting should call (813) 905-5031 or telecopy (813) 905-5029, no later than 48 hours prior to the hearing/meeting.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING/MEETING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

Please address any questions concerning this Public Hearing to this office. If you have any questions, please contact bbaity@tampaport.com or jjulien@tampaport.com at 813-905-5033.

Sincerely,

Jackelyn Julien

Jackie Julien
Project Manager, Port Tampa Bay – Environmental Dept.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

October 15, 2025

Certified Mail

PUBLIC HEARING NOTICE

Mosaic Fertilizer, LLC
Land Use Permitting, Land & Resource Mgmt.
Attn: Shelley Thornton, Director
13830 Circa Crossing Dr.
Lithia, FL 33547
(Via Email: shelley.thornton@mosaicco.com)

Reference: **Port Tampa Bay Standard Work Permit Application No. 25-013**

Applicant: **Tampa Port Authority - Engineering Department**

Project: **Construction of New Berth 301 Marginal Wharf (100' W x 500' L) With Sheetpile Bulkhead & +/- 40,170 CY of Backfill Located At 6059 Diana Toledo Almeida Rd., Gibsonton, FL; Part of Folio #051449-0000; STR 4-31S-19E; Big Bend Channel Terminus/Port Redwing Channel; Unincorporated Hillsborough County**

Dear Adjacent Property Owner(s):

Pursuant to Chapter 95-488, Laws of Florida, the **scheduled** public hearing will be held at the Tampa Port Authority, d/b/a Port Tampa Bay, 1101 Channelside Drive, Tampa, FL 33602 at **10 a.m. on Wednesday, November 5, 2025**. The purpose is to hear comments from the public regarding the above referenced marine construction application for permitting and proposed lease. Information regarding this proposal has been previously provided to you.

Detailed plans and specifications are on file at Port Tampa Bay at 1101 Channelside Drive, Tampa, Florida 33602. They are available for review from 8:30 a.m. until 12 noon and from 1:00 p.m. to 5:00 p.m. Monday through Friday (except holidays).

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing/meeting should call (813) 905-5031 or telecopy (813) 905-5029, no later than 48 hours prior to the hearing/meeting.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING/MEETING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

If you have any questions, please contact bbaity@tampaport.com or jjulien@tampaport.com at 813-905-5033.

Sincerely,

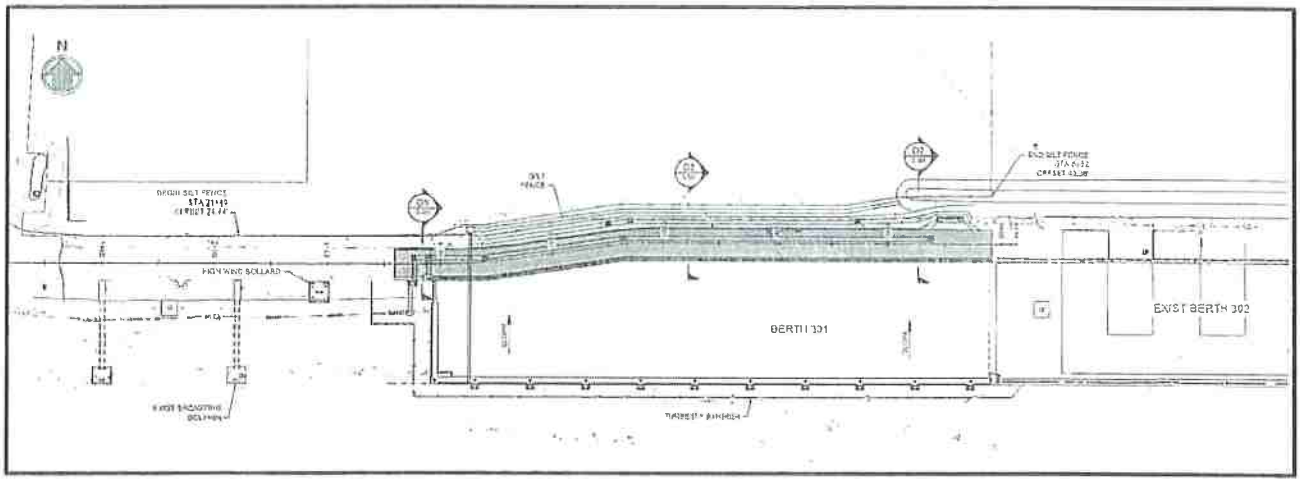
Jackelyn Julien

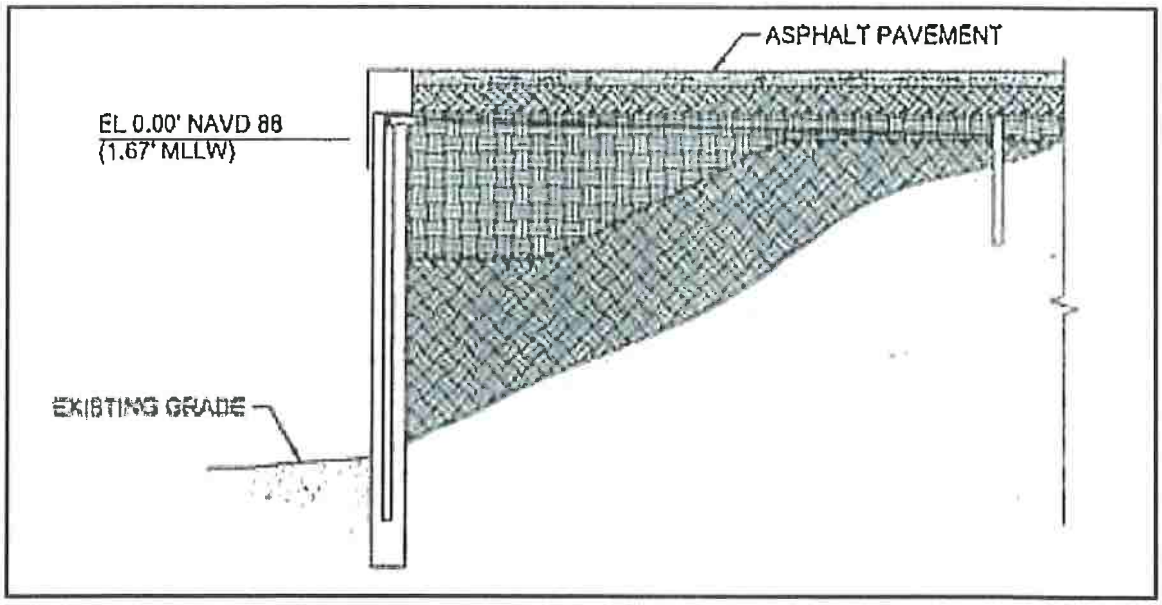
Jackie Julien
Project Manager
Port Tampa Bay – Environmental Dept.

Cc: George.morrison@mosaicco.com; Brady.breaux@mosaicco.com

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Port Tampa Bay Standard Work Permit Application #25-013
Submitted by Tampa Port Authority - Engineering Department for the Proposed Construction of Berth 301 Wharf Located at 6059 Diana Toledo Almeida Road, Gibsonton, Florida (Port Redwing Channel)





Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #13 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

59921

Tampa Bay Times

Published Daily

STATE OF FLORIDA} ss
COUNTY OF HILLSBOROUGH County

Before the undersigned authority personally appeared Deirdre Bonett who on oath says that he/she is a Legal Advertising Representative of the Tampa Bay Times a daily newspaper printed in St. Petersburg, in Hillsborough County, Florida that the attached copy of advertisement being a Legal Notice in the matter Permit Application #25-013 was published in said newspaper by print in the issues of 10/15/25 or by publication on the newspaper's website, if authorized.

Affiant further says that the website or newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes. Affiant further says the said Tampa Bay Times is a newspaper published in Hillsborough County, Florida and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida each day and has been entered as a second class mail matter at the post office in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he/she neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Signature of Affiant _____

Sworn to and subscribed before me this **10/15/2025**

Signature of Notary of Public

Personally known **X** or produced identification.

Type of identification produced _____

Notary Public State of Florida
Jean M Mitotes
My Commission HH 577686
Expires 7/31/2028

PORT TAMPA BAY
NOTICE OF PUBLIC HEARING

Notice is hereby given of a public hearing to be held on November 5, 2025 at 10:00 a.m. before the Tampa Port Authority, d/b/a Port Tampa Bay at its offices located at 1101 Channelside Drive, Tampa, Florida 33602, to hear public comments regarding the following:

Port Tampa Bay Standard Work Permit Application #25-013

Submitted by Tampa Port Authority - Engineering Department

Proposed Construction of Berth 301 Located at 6059 Diana Toledo Alhueida Road, Gibsonton, Florida (Port Redwing Channel)

The permit application is on file and available for inspection at PTE offices from 8:30 a.m. until 12:00 noon and from 1:00 p.m. to 5:00 p.m., Monday through Friday (except holidays). Additional information is available online at www.tampaport.com. All written comments and objections directed toward the foregoing matter should be filed with Port Tampa Bay, Environmental Department, at 1101 Channelside Drive, Tampa, Florida 33602 by 12:00 p.m. (noon) on November 4, 2025. Oral comments and objections may be presented at the hearing.

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing should call (813) 905-5031 or fax (813) 905-5029 not later than 48 hours prior to the hearing.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH A PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

October 15, 2025 59921

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #14 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

FLORIDA DEPARTMENT OF Environmental Protection

Southwest District
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jay Collins
Lt. Governor

Alexis A. Lambert
Secretary

September 2, 2025

Port Tampa Bay
c/o Patrick Blair
1101 Channelside Drive
Tampa, Florida 33602
PBlair@TampaPort.com

Dear Patrick Blair:

Enclosed is the Environmental Resource Permit, DEP Project No. 29-0199767-002-EI, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you and for any affected third party are described in the text of the permit along with conditions that must be met when authorized activities are undertaken.

You, as the applicant, are responsible for all aspects of permit compliance. You should therefore review this permit document carefully to ensure compliance with the general conditions and specific conditions contained herein.

Please be aware of permit General Condition number 4, which states, "At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice"."

If you have any questions about this document, please contact me at Stefaney Pover or (813) 470-5775. Thank you for your participation in the permit process and in managing the natural resources of the State of Florida.

Sincerely,

Stefaney Pover
Engineering Specialist III
Permitting and Waste Cleanup Program

cc: Stefaney Pover, Southwest District, Stefaney.Pover@FloridaDEP.gov
Emily Wargo, Southwest District, Emily.Wargo@FloridaDEP.gov
ERP Permitting, Southwest District, sw_erp@floridadep.gov
U.S. Army Corps of Engineers, tampareg@usace.army.mil
Jackie Julien, Port Tampa Bay, jjulien@tampaport.com
FWC, fwcconservationplanningservices@myfwc.com
FWC, Imperiled Species Management Section, imperiledspecies@myfwc.com
Greg Garis, Office of Resilience and Coastal Protection, Gregory.garis@floridadep.gov
Department of Economic Opportunity, DCPpermits@deo.myflorida.com
Elie G. Araj, Applied Science Consulting Inc., earaj@appliedfl.com
Elie G. Araj, Applied Science Consulting Inc., permitting@appliedfl.com
John D. Glass, Moffatt & Nichol, jglass@moffattnichol.com

Enclosure: Environmental Resource Permit with Attachments (117 pages)

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

FLORIDA DEPARTMENT OF
Environmental Protection

Southwest District
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jay Collins
Lt. Governor

Alexis A. Lambert
Secretary

Permittee/Authorized Entity:
Port Tampa Bay
c/o Patrick Blair
1101 Channelside Drive
Tampa, Florida 33602

Berth 301

Authorized Agent:
Applied Science Consulting, Inc.
c/o Elie G. Araj
1000 North Ashley Drive, Suite 500
Tampa, Florida 33602

Individual Environmental Resource Permit

State-owned Submerged Lands Authorization – Not Applicable

U.S. Army Corps of Engineers Authorization – Separate Corps Authorization Required

Hillsborough County
Permit No.: 29-0199767-026-EI

Permit Issuance Date: 9/2/2025
Permit Construction Phase Expiration Date: 9/1/2030

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

FLORIDA DEPARTMENT OF
Environmental Protection

Southwest District
13051 North Telecom Parkway #101
Temple Terrace, Florida 33637-0926

Ron DeSantis
Governor

Jay Collins
Lt. Governor

Alexis A. Lambert
Secretary

Environmental Resource Permit

Permittee: Port Tampa Bay % Patrick Blair
Permit No: 29-0199767-026-EI

PROJECT LOCATION

The activities authorized by this permit are located south of 6011 Diana Toledo Almeida Road Gibsonton, Florida 33534, in Section 4, Township 31 South, Range 19 East in Hillsborough County, at latitude 27.80829987, longitude -82.40593184.

PROJECT DESCRIPTION

The permittee is authorized to fill approximately 38,870 cubic feet waterward of the mean-high water line within Sims Branch, a Class III Florida Waterbody. Those activities include the extension of Berth 302 and the creation of Berth 301which is located 500 feet to the west with a width of 100 feet for a total of 40,170 square feet of fill. The project also includes the installation of one (1) bollard and a stormwater management system. Authorized activities are depicted on the attached exhibits.

~~The project will result in 0.0014 acres of unavoidable impacts from the removal of three (3) White~~ Mangroves (*Laguncularia racemosa*), FNAI Mangrove Swamp (G5/S4). These impacts were determined to be minimal; therefore, no mitigation is required by the Department.

Stormwater Management System Design
The proposed conditions of the Stormwater Management System consist of collection and treatment storage designed to address the increase in proposed site runoff associated with the construction of 1.56 acres of impervious surfaces. The proposed SWMS includes the construction of an underground exfiltration system consisting of the proposed exfiltration system will utilize a 36-inch perforated pipe with a 5-foot wide 5.85-foot-deep aggregate layer. There will be manholes located at the ends of the exfiltration system. These manholes will include a sump to reduce the number of debris entering the system. The underground exfiltration system provide(s) treatment and attenuation for the 1.56 acres of contributing drainage area.

Water Quality
Water quality treatment is required for the first 0.5 inches of runoff for dry retention systems serving development with drainage areas of less than 100 acres. The site is provided treatment from the underground exfiltration system for Basin Berth 301. The underground exfiltration system recover(s) the required treatment volume within 72 hours. The required and provided treatment volumes for each of the basins are depicted in the table below.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Basin	Area (Ac)	Required Volume (Ac-ft)	Provided Volume (Ac-ft)
Berth 301	1.56	0.07	0.07

Water Quantity
The site discharges to Sim Branch, a tidally influenced waterbody. Therefore, the stormwater management system is not required to provide attenuation for the 25-year/24-hour design storm event. Variable tailwater stages were considered to determine if they have a significant influence on the SWMS design. Based on the mean high-water elevation at 0.49 feet and the tailwater design of the system, the amount of flow that will discharge from the property is not expected to cause significant impacts to the system's performance.

Floodplain
The entirety of the project site is located within Flood Zone VE and Coastal AE, according to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), Panel Number 12057C0491J and 12057C0492J Flood Zone VE and Coastal AE are an area of 1% chance flood hazard, located within the 100-year floodplain but outside of the Regulatory Floodway. Therefore, encroachment into the floodplain that causes adverse impacts is not anticipated.

AUTHORIZATIONS

Berth 301

Environmental Resource Permit
The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

Sovereignty Submerged Lands Authorization
As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21, F.A.C.

Federal Authorization
Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **shall be required** from the Corps. You must apply separately to the Corps using the Application for Department of the Army Permit (ENG 4345) or alternative as allowed by Corps regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook:

(https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/).
Authority for review - an agreement with the USACOE entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection (or Duly Authorized Designee), State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Coastal Zone Management Consistent
Issuance of this authorization also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

Water Quality Certification Granted
This permit also constitutes a *grant* of water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. Section 1341. Pursuant to Rule 62-330.062, F.A.C. issuance of the individual or conceptual approval permit under this chapter shall constitute certification of compliance with water quality standards.

Other Authorizations
You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

PERMIT CONDITIONS

The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit authorization, as described.

SPECIFIC CONDITIONS

1. Submittals required herein (e.g., progress reports, as-built drawings, etc.) shall include the permittee's name and permit number 29-0199767-026-EI and shall be directed by e-mail to SW_ERP_CAP@floridadep.gov with a subject line of "Compliance: permit number 29-0199767-026-EI", or by mail to:

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Department of Environmental Protection
Southwest District
ATTN: ERP Compliance Assurance
13051 North Telecom Parkway, Suite 101
Temple Terrace, FL 33637-0926

2. The structure/work authorized by this permit shall not be placed/conducted on any property, other than that owned by the permittee, without the prior written approval of that property owner.

3. In the event the permittee files for bankruptcy prior to completion of work permitted and required by this permit, the permittee must notify the Department within 30 days of filing. The notification shall identify the bankruptcy court and case number and shall include a copy of the bankruptcy petition.

SPECIFIC CONDITIONS – PRIOR TO ANY CONSTRUCTION

4. Best management practices for erosion control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards (>29 NTU's above background, pursuant to Rule 62-302, F.A.C. Methods may include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, staged construction and the installation of turbidity screens around the immediate project site. Erosion control methods shall be implemented as depicted in Sheets G-150 and C-102 of the attached permit drawings.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

5. Wetland areas or waterbodies that are outside the specific limits of construction authorized by this permit, must be protected from erosion, sedimentation, siltation, scouring, excess turbidity, and/or dewatering. There shall be no discharge in violation of the water quality standards in Chapter 62-302, F.A.C. Turbidity/erosion controls shall be installed prior to clearing, excavation or placement of fill material, shall be maintained until construction is completed, disturbed areas are stabilized, and turbidity levels have fallen to less than 29 NTU's above background. The turbidity and erosion control devices shall be removed within 14 days once these conditions are met.

6. Areas of exposed soils shall be isolated from wetlands or other surface waters to prevent erosion and deposition of these soils into wetlands or other surface waters during construction and operation of permitted activities.

7. Grass seed, or sod shall be installed and maintained on exposed slopes and disturbed soil areas within 48 hours of completing final grade, and at other times as necessary, to prevent erosion, sedimentation or turbid discharges into waters of the state and/or adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the fill material shall be

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

established within 60 days of sodding or seeding. Turbidity barriers/erosion control devices shall be removed upon establishment of a substantial vegetative cover.

8. The permittee shall be responsible for ensuring erosion control devices/procedures are inspected and maintained daily during all phases of construction authorized by this permit until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

9. Staked filter cloth shall be positioned at the edge of the permitted fill slopes adjacent to wetlands to prevent turbid run-off and erosion.

10. There shall be no discharge of construction debris into the waters of the state as conditioned by this permit enforceable under the Florida Litter Law 403.413, F.S., by all law enforcement officers.

11. This permit does not authorize the removal of any vegetation within the jurisdictional area. No dredging, filling, or other construction activity, including the removal of tree stumps and/or vegetative root masses, shall be conducted within the wetlands other than that performed within the specifically authorized work corridor.

12. Outside the specific limits of construction authorized by this permit, any disturbance of or damage to wetlands shall be corrected by restoring pre-construction elevations as to maintain natural hydrology, drainage patterns, and planting vegetation of the same species, size, and density that exist in adjacent undisturbed wetland areas.

13. The project shall comply with applicable State Water Quality Standards, namely:
    a. Surface Waters, Minimum Criteria, General Criteria – Rule 62-302.500, F.A.C.
    b. Class II Waters – Shellfish Propagation or Harvesting – Rule 62-302.400, F.A.C.
    c. Class III Waters – Recreation, Propagation and Maintenance of a Healthy, Well-Balanced Population of Fish and Wildlife. – Rule 62-302.400, F.A.C.

14. A floating turbidity apron/curtain shall be installed around the waterward boundary of the construction area prior to construction and shall remain in place until construction is complete and turbidity levels within the work area have returned to background levels.

15. The following measures shall be taken immediately by the permittee when turbidity levels within waters of the State surrounding the project site exceed 29 NTUs above background:

    a. Immediately cease work contributing to the water quality violation.

    b. Stabilize exposed soils contributing to the violation. Modify the work procedures responsible for the violation, install additional turbidity containment devices and repair non-functioning turbidity containment devices.

    c. Notify the Department within 24 hours of the time the violation is first detected.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

16. This permit does not authorize the installation of water, sewer, cable or utility lines within wetlands or waterbodies.

17. Unauthorized impacts to wetlands, shoreline, or littoral zones as a result of the authorized construction shall be reported to the Department within 24 hours.

18. Storage or stockpiling of tools and materials (i.e., lumber, pilings, debris) within wetlands or other surface waters is prohibited.

SPECIFIC MANATEE CONDITIONS

19. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with, and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

20. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels shall follow routes of deep water whenever possible.

21. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers shall not impede manatee movement.

22. All on-site project personnel are responsible for observing water-related activities for the presence of manatees. All in-water operations, including vessels, shall be shutdown if a manatee comes within 50 feet of the operation. Activities shall not resume until every manatee has moved beyond the 50-foot radius of the project operation, or until 30 minutes has elapsed wherein a manatee has not reappeared within 50 feet of the operation. Animals shall not be herded away or harassed into leaving.

23. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida.

24. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used. One sign measuring at least 3 ft. by 4 ft. which reads *Caution: Manatee Area* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shutdown of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. Please see the Florida Fish and Wildlife

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Conservation Commission website for information on how to obtain appropriate signs: http://www.myfwc.com/docs/WildlifeHabitats/Manatee_EducationalSign.pdf

25. While performing backfilling between the bulkheads, it is important to ensure that manatees or marine turtles do not become entrapped during installation of the steel combination-wall bulkhead or gain access after the steel combination-wall bulkhead has been installed and before the filling work begins. Observation surveys for manatees shall be performed for three (3) consecutive days prior to and three (3) consecutive days after the installation of the steel combination-wall bulkhead and before filling work begins to ensure manatees are not enclosed in the area that will be filled. Survey protocol must meet the conditions outlined below:

    a. the surveys shall be conducted either by ground/aerial observers with an observer that has previous experience observing manatees and meets the criteria outlined in the Observer Guidelines for Protected Species Monitoring Programs in Florida State Waters manual;
    b. surveys shall be conducted twice a day for 3 consecutive days prior to the installation of the steel combination-wall bulkhead;
    c. surveys shall be conducted twice a day for 3 consecutive days after the installation of the steel combination-wall bulkhead and prior to the start of filling;
    d. any manatees or marine turtles sighted shall initiate opening the area to allow for manatee or marine turtle access out of the system with the animal monitored as necessary until it has left the new berth area, and shall not be herded, poked, prodded or harassed into leaving;
    e. if after 3 consecutive days no manatees are observed, filling work may proceed;
    f. and in the event a manatee or marine turtle becomes stranded or entrapped in the isolated channel the FWC shall be immediately notified by calling the FWC Wildlife Alert Hotline at 1-888-404-3922 to initiate rescue or recovery. An email describing the events shall be sent to ImperiledSpecies@MyFWC.com within 24 hours.

26. The Permittee shall ensure that an observer(s) shall watch for protected marine species (manatees, marine turtles, dolphins, etc.) during all in-water work to ensure compliance with the stop work zone required in this authorization. Observers shall perform no other duties that may interfere with their ability to observe protected marine species. All observers shall have prior on-the-job observation experience (including previous sightings of manatees) during previous dredging work where the activities were similar in nature to this project and meet the criteria outlined in the Observer Guidelines for Protected Species Monitoring Programs in Florida State Waters manual. The Permittee shall ensure that all observers are given a copy of the permit for the project, including all special conditions, prior to construction commencement.

27. For all pile-driving activity related to this project:
    a. At least one dedicated observer shall be present during pile driving activities and shall perform no other duties that may interfere with their ability to observe for protected marine species. Observer(s) must have prior on-the-job experience observing manatees during in-water work where the activities where similar in

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

nature to this project, and meet the criteria outlined in the Observer Guidelines for Protected Species Monitoring Programs in Florida State Waters manual. Observer(s) shall have the authority to cease project operations 1) upon sighting a manatee within 50 feet of the pile driving or vessel activity; and 2) if detection of manatees is not possible due to weather or other conditions.

b. All pile driving activities shall be limited to daylight hours to maximize visibility for protected species observers. Monitoring shall occur for 30 minutes prior to, during, and for 30 minutes after pile driving ends.
c. During pile driving, the project shall utilize a ramp-up measure. At the start of pile driving activity, pile driving hammers shall initially be operated at low levels, then gradually increase to minimum necessary power required for pile installation.
d. If the activities appear to harass or injure a protected marine species, then work shall cease immediately and not resume until after consultation with the Florida Fish and Wildlife Conservation Commission (ImperiledSpecies@MyFWC.com or 850-922-4330). Any additional conservation measures deemed necessary by FWC must be implemented to minimize the risks to protected species.

28. To reduce the risk of a vessel crushing a manatee, the permittee shall install wharf fenders with appropriate materials to provide sufficient standoff space of at least three feet under maximum designed compression. Fenders or buoys shall provide a minimum standoff space of at least three feet under maximum designed compression between two vessels that are moored together.

29. To reduce the risk of entrapment and drowning of manatees, manatee exclusion devices (such as grating) shall be installed and maintained over any existing or proposed pipes or culverts greater than 8 inches, but smaller than 8 feet in diameter that are submerged or partially submerged and reasonably accessible to manatees. If horizontal or vertical bars are used, no more than 8-inch gaps on center shall be allowed. Grates shall be in place at the accessible end(s) during all phases of the construction process and as a final design element to restrict manatee access. Additional information can be found in FWC's guidance document on Grates and Other Manatee Exclusion Devices for Culverts and Pipes.

SPECIFIC CONDITIONS FOR LISTED SPECIES

30. This permit does not authorize the permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or permittee associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, Florida Fish and Wildlife Conservation Commission (FWC) staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to ConservationPlanningServices@MyFWC.com.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

31. If new information (e.g. listing of new species, new critical habitat, etc.) shows that the magnitude of impacts to federally listed species has the potential for adverse effects, the U.S. Fish and Wildlife Service (USFWS) will notify the Department. The Department will initiate coordination with the permittee and with the USFWS to determine what adverse impacts are likely and if additional minimization measures, reporting, or monitoring are required in order to be consistent with the Endangered Species Act, as deemed necessary by USFWS.

32. The Permittee shall report any injured, sick, or dead federally or state listed animal(s) discovered onsite to the Florida Fish and Wildlife Conservation Commission Wildlife Alert number at 888-404-FWCC (3922).

SPECIFIC CONDITIONS – CONSTRUCTION COMPLETION

The permittee shall comply with the following conditions prior to the transfer to operation phase of the facility. All documentation required below shall be included with the permittee's request to transfer the project to the operation phase [Form No. 62-330.310(2), F.A.C.].

33. The permittee shall submit one set of signed, dated and sealed as-built drawings to the Department via email at SW_ERP_CAP@dep.state.fl.us for review and approval within 30 days of completion of construction. (Please contact the Department for files that are too large to email for alternative means of submitting electronically.) The as-built drawings shall be based on the Department permitted construction drawings and any pertinent specific conditions, which should be revised to reflect changes made during construction. Both the original design and constructed elevations must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. Surveyed dimensions and elevations required shall be verified and signed, dated and sealed by a Florida registered professional. *As-builts shall be submitted to the Department regardless of whether or not deviations are present. In addition, the permittee shall submit the "As-Built Certification and Request for Conversion to Operation Phase" form (Ch. 62-330.310(1), F.A.C.); as required in General Condition #6.*

The following information shall be verified on the as-built drawings from the engineering drawings signed and sealed by Lary B. Flood, P.E., License No. 85560, on June 20, 2025:

Plan View/ Cross Section Name	Drawing Number
Civil Site Plan	C-101
Civil Sections	C-301
Drainage & Civil Details	C-501

The following information shall be verified on the as-built drawings from the engineering drawings signed and sealed by Anna Karina Thomsen, P.E., License No. 85415, on June 19, 2025:

Plan View/ Cross Section Name	Drawing Number

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

General Arrangement Plan	G-101
Project Siting Plan	G-150
Sequence of Bulkhead Construction	G-301
Wharf Pile Plan	S-111
Wharf Deck Plan	S-112
Typical Wharf Section	S-301
Trench Drain Details	S-513

34. Once project construction has been deemed complete, including the re-stabilization of all side slopes, embankments, and other disturbed areas, and before the transfer to the Operation and Maintenance phase, all obsolete erosion control materials shall be removed.

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

35. Fenders or buoys shall be installed, used and maintained for the life of the facility to reduce the risk of a vessel crushing a manatee during docking and/or mooring as required under Specific Condition No. 28.

36. The Operation and Maintenance Entity shall be Port Tampa Bay % Patrick Blair.

37. All structures authorized by this permit shall remain in operable condition and shall not be allowed to deteriorate or otherwise contribute to a water quality violation for the life of the facility. All stormwater structures identified by this permit shall be maintained in proper working order for the life of the facility.

38. The maintenance of the SWMS shall be in accordance with the attached "Operation & Maintenance Plan". It is the responsibility of the permittee to ensure that that the surface water management system is functioning as designed.

39. When a project enters the operation and maintenance phase, the permittee must include as-built plans in the O&M Plan upon completion of each phase of construction.

40. The operation and maintenance entity shall maintain a copy of the operation and maintenance plan (O&M Plan).

41. The operation and maintenance entity shall periodically review the O&M Plan, and at least at the time of inspections required by this permit, to identify any new or additional required operation and maintenance activities.

42. The underground exfiltration system is intended to become dry within 72 hours after a rainfall event. A system that is regularly wet shall not be considered in compliance with this permit and possible modifications to the system may be required.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

43. The SWMS conveyance pipes shall be maintained free of blockage ponds must be kept free of obstructions or blockage by sediment. Any scouring or erosion at these locations must be repaired.

44. All ditches and swales from the point at which they receive runoff from the project area and through their entire downstream length shall be well maintained and stabilized to ensure that they are not subject to erosion.

45. The permitted SWMS shall only be used for the purpose of controlling surface water runoff from the site and shall not be used to dispose of or store any solid/liquid waste or products generated or used during operation or construction of the facility.

SPECIFIC CONDITIONS – MONITORING/REPORTING REQUIREMENTS

46. The permittee shall be responsible for keeping records documenting that relevant permit conditions are met. This documentation shall include, at a minimum, the date of each inspection, the name and qualifications of the inspector, any maintenance actions taken, and determination by the inspector as to whether the system is operating as intended. Inspection documentation must be readily available and shall be provided at the Department's request.

47. The permittee shall notify the Department of any sinkhole development in the SWMS within 24 hours after discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the Department within 30 days of discovery.

48. Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted electronically or in writing to the Agency using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the remedial actions taken to resolve the failure or deviation.

49. The operation and maintenance entity shall provide for the inspection of the permitted project after conversion of the permit to the operation and maintenance phase. For systems utilizing an underground exfiltration system. the inspections shall be performed, at minimum, 2 years after operation is authorized and every 2 years thereafter.

50. Inspections conducted on or after June 28, 2025, required by this permit shall be performed by a qualified inspector as described in Applicant's Handbook Volume I.

51. The operation and maintenance entity shall submit an inspection report to the agency describing and certifying the results of the inspection within 30 days of the date of the inspection. The report shall include:

    a. Form 62-330.311(3) "Inspection Checklists;"
    b. Any updated operation and maintenance cost estimates;
    c. A summary of updates to the operation and maintenance plan;

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

d. Any monitoring reports as may be required by a specific permit condition.

52. The operation and maintenance entity shall provide written notice to the department within 30 days of the change in ownership or control.

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (http://www.flrules.org/Gateway/reference.asp?No=Ref-02505), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:

   a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or

   b. For all other activities – "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].

   c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:

   a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.

   b. Within 30 days of submittal of the as- built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:

   a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;

   b. Convey to the permittee or create in the permittee any interest in real property;

   c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The permittee shall notify the Agency in writing:

a. Immediately if any previously submitted information is discovered to be inaccurate; and

b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

19. In addition to those general conditions in subsection (1), above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rule 28-106.20 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;

(c) A statement of when and how the petitioner received notice of the agency decision;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;

(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation
Mediation is not available in this proceeding.

FLAWAC Review
The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review
Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Shannon Herbon
Permitting Program Administrator
Permitting and Waste Cleanup Programs
Southwest District

Attachments:
Project Drawings and Design Specs., 59 pages
Operation and Maintenance Plan, 30 pages
Construction Commencement Notice/Form 62-330.350(1), 1 page
As-Built Certification and Request for Conversion to Operation Phase/Form 62-330.310(1), 3 pages
Operation and Maintenance Inspection Certification/Form 62-330.311(1), 2 pages
Request for Transfer of Permit to the Perpetual Operation Entity/Form 62-330.310(2), 1 page
Request to Transfer Permit/Form 62-330.340(1), 2 pages

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Copies furnished to:
Stefaney Pover, Southwest District, Stefaney.Pover@FloridaDEP.gov
Emily Wargo, Southwest District, Emily.Wargo@FloridaDEP.gov
ERP Permitting, Southwest District, sw_erp@floridadep.gov
U.S. Army Corps of Engineers, tampareg@usace.army.mil
Jackie Julien, Port Tampa Bay, jjulien@tampaport.com
FWC, fwcconservationplanningservices@myfwc.com
FWC, Imperiled Species Management Section, imperiledspecies@myfwc.com
Greg Garis, Office of Resilience and Coastal Protection, Gregory.garis@floridadep.gov
Department of Economic Opportunity, DCPpermits@deo.myflorida.com
Elie G. Araj, Applied Science Consulting Inc., earaj@appliedfl.com
Elie G. Araj, Applied Science Consulting Inc., permitting@appliedfl.com
John D. Glass, Moffatt & Nichol, jglass@moffattnichol.com

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of business on **September 2, 2025**, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Deborah Rooney — September 2, 2025
Clerk — Date

PORT TAMPA BAY

BERTH 301 WHARF



VICINITY MAP

PORT TAMPA BAY.

PTB PROJECT NO. 23-00323



LOCATION MAP

PORT TAMPA BAY BOARD OF COMMISSIONERS

CHAD W. HARROD	CHAIRMAN
HUNG T. MAI	VICE CHAIRMAN
PATRICK H. ALLMAN	SECRETARY/TREASURER
MAYOR JANE CASTOR	COMMISSIONER
TED CONNER	COMMISSIONER
HONORABLE CHRISTINE MILLER	COMMISSIONER
SEAT #4 VACANT	COMMISSIONER

PAUL ANDERSON	PRESIDENT/CEO
PATRICK BLAIR, P.E., S. I.	VICE PRESIDENT OF ENGINEERING
JOSE DEJESUS, P.E. LEED, AP BD+C	DIRECTOR OF ENGINEERING
MICHAEL SEIFERT, P.E. PSM	PROJECT MANAGER

moffatt & nichol
501 E. KENNEDY BLVD, SUITE 1901
TAMPA, FLORIDA 33602
813-258-8818
LIC: EB-0004877

ISSUED FOR PERMITTING
MARCH 2025

G-001

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

File: C:\TA\23013029\CADD_Active_Berth 301\23013029-G-001 - Plotted: 3/27/2025 4:52 PM by SMITH, TONY - Saved: 3/27/2025 4:51 PM by SMITH

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



THIS DOCUMENT IS NOT VALID UNLESS SIGNED, DATED, AND SEALED BY THE ENGINEER LISTED BELOW:

Digitally signed by Anna Karina Thomsen
Date: 2025.06.19 11:04:58-04'00'

MOFFATT AND NICHOL
501 E. KENNEDY BLVD., SUITE 1910
TAMPA, FL 33602
CERTIFICATE OF AUTHORIZATION: 00004877
ANNA KARINA THOMSEN, P.E. NO. 85415

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
	GENERAL	
1	G-001	COVER SHEET
2	G-002	INDEX OF DRAWINGS
3	G-003	ABBREVIATIONS & LEGEND
4	G-004	GENERAL NOTES (1 OF 2)
5	G-005	GENERAL NOTES (2 OF 2)
6	G-101	GENERAL ARRANGEMENT PLAN
7	G-150	PROJECT SITING PLAN
8	G-301	SEQUENCE OF BULKHEAD CONSTRUCTION
	SURVEY	
9	V-101	EXISTING CONDITIONS PLAN
	GEOTECHNICAL	
10	B-101	BORING LOCATION PLAN
11	B-601	BORING LOGS (1 OF 3)
12	B-602	BORING LOGS (2 OF 3)
13	B-603	BORING LOGS (3 OF 3)
	DEMOLITION	
14	D-101	DEMOLITION PLAN
15	D-102	RIPRAP STOCK PILE LOCATION PLAN
16	D-401	DEMOLITION SECTIONS
	STRUCTURAL	
23	S-001	STRUCTURAL NOTES (1 OF 2)
24	S-002	STRUCTURAL NOTES (2 OF 2)
25	S-101	WHARF STRUCTURAL SITE PLAN
26	S-111	WHARF PILE PLAN
27	S-121	WHARF DECK PLAN
28	S-301	TYPICAL WHARF SECTION
29	S-401	ENLARGED WHARF SECTIONS
30	S-501	BULKHEAD CONNECTION DETAILS
31	S-502	BULKHEAD DETAILS (1 OF 2)
32	S-503	BULKHEAD DETAILS (2 OF 2)
33	S-505	WALE AND TIE ROD DETAILS (1 OF 2)
34	S-506	WALE AND TIE ROD DETAILS (2 OF 2)
35	S-513	TRENCH DRAIN DETAILS
36	S-517	UTILITY VAULT DETAILS
37	S-520	HIGH WIND BOLLARD DETAILS
38	S-530	BOLLARD DETAILS
39	S-540	FENDER DETAILS
40	S-550	CATHODIC PROTECTION DETAILS
41	S-560	BULKHEAD PENETRATION SECTIONS & DETAILS



THIS DOCUMENT IS NOT VALID UNLESS SIGNED, DATED, AND SEALED BY THE ENGINEER LISTED BELOW:

Larry B Flood 2025.06.20 08:08:26-04'00'

MOFFATT AND NICHOL
501 E. KENNEDY BLVD., SUITE 1910
TAMPA, FL 33602
CERTIFICATE OF AUTHORIZATION: 00004877
LARRY B. FLOOD, P.E. NO. 85560

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
	CIVIL	
17	C-001	CIVIL NOTES
18	C-101	CIVIL SITE PLAN
19	C-102	CIVIL EROSION CONTROL PLAN
20	C-301	CIVIL SECTION
21	C-401	ENLARGED PARTIAL PLAN
22	C-501	DRAINAGE & CIVIL DETAILS



THIS DOCUMENT IS NOT VALID UNLESS SIGNED, DATED, AND SEALED BY THE ENGINEER LISTED BELOW:

Wilfredo J Ruiz Planell

MOFFATT AND NICHOL
501 E. KENNEDY BLVD., SUITE 1910
TAMPA, FL 33602
CERTIFICATE OF AUTHORIZATION: 00004877
WILFREDO JOSE RUIZ PLANELL, P.E. NO. 92803

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
	MECHANICAL	
42	M-001	MECHANICAL NOTES
43	M-101	MECHANICAL SITE PAN
44	M-501	MECHANICAL DETAILS (1 OF 3)
45	M-502	MECHANICAL DETAILS (2 OF 3)
46	M-503	MECHANICAL DETAILS (3 OF 3)



THIS DOCUMENT IS NOT VALID UNLESS SIGNED, DATED, AND SEALED BY THE ENGINEER LISTED BELOW:

Derek J Sears Digitally signed by Derek J Sears Date: 2025.06.23 11:46:13 -04'00'

MOFFATT AND NICHOL
501 E. KENNEDY BLVD., SUITE 1910
TAMPA, FL 33602
CERTIFICATE OF AUTHORIZATION: 00004877
DEREK J. SEARS, P.E. NO. 79389

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
	ELECTRICAL	
47	E-001	ELECTRICAL NOTES (1 OF 2)
48	E-002	ELECTRICAL NOTES (2 OF 2)
49	E-101	OVERALL ELECTRICAL PLAN
50	E-401	ENLARGED ELECTRICAL PLAN (BERTH 301)
51	E-402	ENLARGED ELECTRICAL PLAN (BERTH 302)
52	E-403	ENLARGED ELECTRICAL PLAN (BERTH 302)
53	E-501	ELECTRICAL DETAILS (1 OF 4)
54	E-502	ELECTRICAL DETAILS (2 OF 4)
55	E-503	ELECTRICAL DETAILS (3 OF 4)
56	E-504	ELECTRICAL DETAILS (4 OF 4)
57	E-601	ELECTRICAL RISER DIAGRAM
58	E-602	ELECTRICAL CABLE SCHEDULE
59	E-603	ELECTRICAL PANEL SCHEDULES

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
INDEX OF DRAWINGS

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

DRAWN: DH
DATE: 2025-03-20
CHECKED: JSS
DATE: 2025-03-20
APPROVED: DWS
DATE: 2025-03-20
PROJECT NO.: 23-03223
SCALE: AS SHOWN
PTO DRAWING NO.:
SHEET NO.: G-002

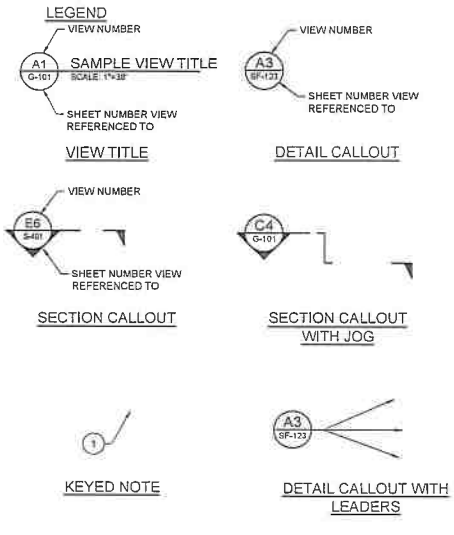
File: O:\TA\2023\23020.CADD_Active_Berth 301\2301302-G-002 - Plotted: 3/27/2025 4:08 PM by SMITH, TONY - Saved: 3/27/2025 3:46 PM by ARSMITH

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ABBREVIATIONS

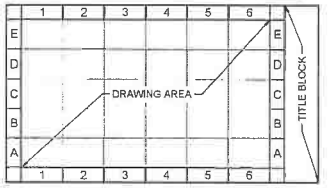
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AB	ANCHOR BOLT
ABAND	ABANDONED
ABBR	ABBREVIATION
ABV	ABOVE
AC	ASPHALT CONCRETE, AIR COMPRESSOR OR ALTERNATING CURRENT
ADD'L	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BARE COPPER
BD	BOARD/BREASTING DOLPHIN
BH	BULKHEAD
BL	BASELINE
BLKG	BLOCKING
BLKOUT	BLOCKOUT
BMP	BEST MANAGEMENT PRACTICE
BOS	BOTTOM OF STEEL
BOT	BOTTOM
C	CONTROL
CA	COMPRESSED AIR
CF	CUBIC FEET
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT OR CONDUIT ONLY
COL	COLUMN
CONC	CONCRETE
COND	CONDUIT
CONN	CONNECTION
CONST	CONSTRUCT OR CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CPT	CONE PENETROMETER TEST
CTR	CENTER
CU	CUBIC OR COPPER
CV	CHECK VALVE
D	DRAIN OR DEPTH
DEG	DEGREE
DET	DETAIL
DI	DROP INLET
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DN	DOWN
DWGS	DRAWINGS
DWT	DEADWEIGHT TONNAGE
E	EAST
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELB	ELBOW
ELECT	ELECTRICAL
EOP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ES	EACH SIDE
EW	EACH WAY OR EXISTING WATER
EX, EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	FRAME, FLANGE, OR FUEL
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDN	FOUNDATION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FDR	FEEDER
FFE	FINISHED FLOOR ELEVATION
FFWCC	FLORIDA FISH AND WILDLIFE CONVERSATION COMMISSION
FIN	FINISH
FS	FINISHED SURFACE OR FUEL SUPPLY
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GND	GROUND
GPM	GALLONS PER MINUTE
GV	GATE VALVE
H	HEIGHT, OR HORIZONTAL
HB	HOSE BIBB
HM	HOLLOW METAL
HML	HIGH MAST LIGHTING
HN'DR'L	HANDRAIL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HWB	HIGH WIND BOLLARD
ID	INSIDE DIAMETER OR IDENTIFICATION
IMO	INTERNATIONAL MARITIME ORGANIZATION
IN,	INCHES
INV	INVERT
JT	JOINT
KSI	KIPS PER SQUARE INCH
LA	LIGHTNING ARRESTER
LB	POUND
LBP	LENGTH BETWEEN PERPENDICULARS
LF	LINEAR FOOT
LG	LONG
LOA	LENGTH OVER ALL
LT	LIGHT
LTG	LIGHTING
MAS	MASONRY
MAT'L	MATERIAL
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MD	MOORING DOLPHIN
MES	MITERED END SECTION
MET	METAL
MFTR	MANUFACTURE
MH	MANHOLE
MHHW	MEAN HIGHER HIGH WATER
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLLW	MEAN LOWER LOW WATER
MLW	MEAN LOW WATER
MON	MONUMENT
MPH	MILES PER HOUR
MTD	MOUNTED
N	NORTH
NAD	NORTH AMERICAN DATUM
NAVD	NORTH AMERICAN VERTICAL DATUM
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NO.	NUMBER
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OBS	OBSTRUCTION
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OVERHEAD ELECTRICAL
OFF	OFFSET
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPRS	OPERATORS
OS	OUTSIDE
O.S.H.A.	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POWER, POLE, PUMP OR PIPE
PART'N	PARTITION
PC	PRECAST CONCRETE
PCF	POUND PER CUBIC FOOT
PL	PLATE OR PROPERTY LINE
PNL	PANEL
POC	POINT OF CONNECTION
PRESS	PRESSURE
PRI	PRIMARY
P/S	PRESTRESSED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	POINT
PTB	PORT TAMPA BAY
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER
QC	QUALITY CONTROL
R	RIGID
RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
REF	REFERE
REINF	REINFORCING
REQ'D	REQUIRED
RET	RETAINING
ROW	RIGHT-OF-WAY
S	SEWER, SLOPE OR SOUTH
SAN	SANITARY
SCH	SCHEDULE
SD	STORM DRAIN
SEC	SECONDARY
SECT	SECTION
SF	SQUARE FEET
SHLD	SHOULDER
SHT	SHEET
SIM	SIMILAR
SP	SPARE
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL OR SANITARY SEWER
SSP	STEEL SHEET PILE
STA	STATION
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURE, STRUCTURAL
SUBSTA	SUBSTATION
SWM	STORM WATER MANAGEMENT
SY	SQUARE YARDS
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
TB	TURBIDITY BARRIER
TC	TOP OF CURB
TEMP	TEMPERATURE
THD	THREAD
THRU	THROUGH
TOS	TOP OF STEEL
TRANSV	TRANSVERSE
TRNSFMR	TRANSFORMER
TYP	TYPICAL
UHMWPE	ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
UUL	UNKNOWN UNDERGROUND LINE
V, VERT	VERTICAL
W	WATER, WEST, WIDE OR WIRE
WM	WATER MAIN
WP	WEATHERPROOF, WATERPROOF, OR WORKING POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
&	AND
@	AT
*	ASTERISK
∠	ANGLE
Ø	DIAMETER OR PHASE
°	DEGREES
'	MINUTES OR FEET
#	NUMBER OR POUNDS
%	PERCENT
"	SECONDS OR INCH
W	WITH

LEGEND

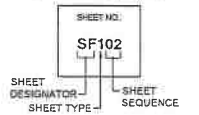


* VIEW NUMBER IS BASED ON THE (DACS) LOCATION OF THE LOWER-LEFT **EXTENTS OF THE VIEW ON THE REFERENCED SHEET**. WHEN REFERENCING DRAWING INFORMATION BETWEEN SHEETS, BOTH THE VIEW AND SHEET NUMBERS MUST BE QUOTED TOGETHER - EITHER IN A CALLOUT FORMAT AS SHOWN ABOVE OR IN THE FORM: "VIEW NO./SHEET NO." (EG A1/CS-5001)

DRAWING AREA COORDINATE SYSTEM (DACS)



SHEET NUMBERING



DISCIPLINE DESIGNATORS	
DISCIPLINE	DESIGNATOR
GENERAL	G
SURVEY/MAPPING	V
GEOTECHNICAL	B
CIVIL WORKS	W
CIVIL	C
STRUCTURAL	S
MECHANICAL	M
ELECTRICAL	E
OTHER DISCIPLINES	X

SECONDARY DESIGNATORS	
DEMOLITION	D
GENERAL	G
SUBSTRUCTURE	B
FRAMING	F
COMPONENT	C
SITE	S

SHEET TYPE DESIGNATORS	
0	GENERAL (COVER SHEET, LEGEND, NOTES)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS (NOT TYPICALLY USED)
3	SECTIONS (OVERALL VIEWS)
4	LARGE-SCALE VIEWS (PLANS, SECT. OR ELEV. - NOT DETAILS)
5	DETAILS (MAY BE PLAN, SECT. OR ELEV. VIEWS)
6	SCHEDULES
7	USER DEFINED
8	USER DEFINED
9	3D ISOMETRIC

REVISION NUMBERING	
A00, A01...	PRE-BID SUBMITTALS
B00, B01...	BID SUBMITTALS
000, 001...	CONSTRUCTION SUBMITTALS

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301	
ABBREVIATIONS & LEGEND	
1101 CHANNELSIDE DRIVE	TAMPA, FL 33602 TELEPHONE 813-905-7678
DRAWN: DSB	DATE: 2025-03-28
CHECKED: JDG	DATE: 2025-03-28
APPROVED: DWS	DATE: 2025-03-28
PROJECT NO.: 23-0033	
SCALE: AS SHOWN	
PTB DRAWING NO.:	
SHEET NO.: G-003	

File: C:\TAD\2023\3009 CADD_Active_berth 301\2023-0033-G-003 - Plotted: 3/27/2025 4:08 PM by SMITH, TONY - Saved: 11/18/2024 10:30 AM by ALCUDUE

GENERAL NOTES

1. ALL WORK MUST CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND CONVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER WILL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT WILL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2024 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.

2. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM WITH THESE DRAWINGS, PROJECT SPECIFICATIONS AND WITH ALL CURRENT APPLICABLE CODES AND THE LATEST REVISIONS OF THE FOLLOWING REFERENCE DOCUMENTS:

   a. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROAD AND BRIDGE SPECIFICATIONS.
   b. FDOT ROAD AND BRIDGE STANDARDS.
   c. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
   d. NATIONAL ELECTRIC CODE (NEC).
   e. FLORIDA BUILDING CODE (FBC)

3. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR MUST CHECK THE DRAWINGS AGAINST THE SITE AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR WILL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

4. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.

5. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.

6. ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS MUST BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.

7. PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.

8. ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.

9. CONDUCT AND COORDINATE WITH PORT TAMPA BAY OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK.

10. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND REFERENCED TO THE FOLLOWING TIDAL DATUM:

MHHW :	(MEAN HIGHER HIGH WATER)	+0.79
MHW :	(MEAN HIGH WATER)	+0.49
NAVD :	(MEAN TIDE LEVEL)	0.00
MSL :	(MEAN SEA LEVEL)	-0.35
MLW :	(MEAN LOW WATER)	-1.23
MLLW :	(MEAN LOWER LOW WATER)	-1.67

   THE TIDAL DATUM RELATIONSHIP IS BASED ON NOAA STATION 8726537 APOLLO BEACH, HILLSBOROUGH BAY, FL.

11. LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH DEMOLITION AND CONSTRUCTION. NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.

12. VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT. COORDINATE WITH THE PORT ENGINEER TO GAIN ACCESS TO THE SITE THROUGH SECURITY OPERATIONS.

13. PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.

14. PROTECT AND MAINTAIN ACCESS TO PRIVATE PROPERTY ADJACENT PORT TENANTS. ANY DAMAGE CAUSED BY THE CONTRACTOR DURING WORK MUST BE CORRECTED TO THE SATISFACTION OF THE PORT ENGINEER AT THE CONTRACTOR'S EXPENSE.

15. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT MUST BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE PORT ENGINEER.

16. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.

17. TOPOGRAPHIC AND HYDROGRAPHIC SURVEY AT BERTH 301 BY HYATT SURVEY SERVICES, INC.

18. REPORT OF GEOTECHNICAL ENGINEERING SERVICES PROPOSED BERTH 301 BY S&ME, INC. DATED AUGUST 2024.

19. THE ACCURACY OF EXISTING STORM DRAINS, MOORING DOLPHINS, AND OTHER STRUCTURES SHOWN ON PLANS ARE NOT GUARANTEED. ACTUAL FIELD CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OF MATERIALS, ORDERING MATERIALS, OR PERFORMING WORK. LOCATIONS OF EXISTING UTILITY DISTRIBUTIONS SHOWN WERE PROVIDED BY PORT TAMPA BAY.

20. THE LOCATIONS AND ELEVATIONS OF STRUCTURES, UTILITIES, AND CONNECTIONS TO UTILITIES AS SHOWN ARE APPROXIMATE. VERIFY THE EXACT LOCATION AND ELEVATION IN THE FIELD. LOCATIONS OF NEW FACILITIES AND UTILITIES MUST BE ADJUSTED IN A MANNER APPROVED BY PORT TAMPA BAY TO AVOID CONFLICTS. DAMAGES TO FACILITIES AND UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS MUST BE REPAIRED ON THE DAY DAMAGE OCCURS BY THE CONTRACTOR AT NO COST TO PORT TAMPA BAY.

21. UNLESS OTHERWISE NOTED, RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND MUST REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.

22. ALL EXCAVATION, TRENCHING, SHEETING, SHORING AND BRACING MUST BE INSTALLED AS REQUIRED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING O.S.H.A.

23. ALL ITEMS INDICATED TO BE REMOVED AND REINSTALLED MUST BE STORED IN A SECURE LOCATION AND PROTECTED FROM DETERIORATION AND DAMAGE.

24. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS MUST PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN MUST INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT O.S.H.A. AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND O.S.H.A.'S TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND PORT TAMPA BAY WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.

25. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SECURITY AT THE WORK SITE.

26. THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF DAMAGE AND/OR INTERRUPTION OF ANY UTILITY, EITHER ABOVE OR BELOW GROUND, RESULTING FROM CONSTRUCTION OPERATIONS.

27. IT IS THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION OF NEW UTILITIES TO ANTICIPATE AND PLAN FOR CROSSINGS WHERE SHOWN ON THE PLANS.

28. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION MUST BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.

29. MAINTAIN UNINTERRUPTED UTILITY SERVICE TO PORT TENANTS WHOSE UTILITIES MIGHT OTHERWISE BE IMPACTED BY THE CONTRACTOR'S WORK ON THIS PROJECT. COORDINATE ALL UTILITY OUTAGES SUFFICIENTLY IN ADVANCE THROUGH THE PORT ENGINEER, SO AS NOT TO DISRUPT THE OPERATIONS OF THE PORT OR ITS TENANTS.

30. PROVIDE EROSION CONTROL/SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE PORT ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVELWAYS TO THE SATISFACTION OF THE PORT ENGINEER AND/OR LOCAL AUTHORITIES.

31. MANATEES HAVE BEEN IN THE AREA AND THE CONTRACTOR MUST WORK IN ACCORDANCE WITH STANDARD MANATEE PROVISIONS AS PER STATE'S STANDARD MANATEE CONSTRUCTION CONDITIONS FOR IN-WATER WORKS (2011) ARE CONDITIONS OF THE PERMIT. LOCATIONS OF THE SIGNS MUST BE COORDINATED WITH THE PORT ENGINEER.

32. CONTROL FUGITIVE DUST ORIGINATING FROM THE PROJECT AREA DURING CONSTRUCTION BY WATERING OR OTHER METHODS AS NECESSARY.

33. GRASSING AND SOD MUST BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION PROJECT.

34. CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS. ALSO CONTACT THE PORT FACILITIES DIRECTOR, NOBERTO SANCHEZ FOR LOCATIONS OF PORT UTILITIES.

35. EXECUTE NPDES "NOTICE OF INTENT" PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR MUST PREPARE AND SUBMIT A "NOTICE OF INTENT" TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). MONITOR THE SITE AT ALL TIMES AND TAKE APPROPRIATE ACTION TO PREVENT EROSION INCLUDING THE USE OF BMP. NO PUMPING OF GROUND OR SURFACE WATER MUST BE PERFORMED WITHOUT APPROVAL FROM THE WATER MANAGEMENT DISTRICT. FOLLOWING COMPLETION OF CONSTRUCTION, CONTRACTOR MUST PREPARE AND SUBMIT A "NOTICE OF TERMINATION OF GENERIC PERMIT COVERAGE" TO FDEP.

36. PROVIDE POSITIVE DRAINAGE AWAY FROM EDGE OF PAVEMENT ALONG CONTRACT AREAS.

DEMOLITION

1. COORDINATE WITH PORT DIRECTOR OF FACILITIES TO ENSURE DISCONNECTIONS OF SERVICE AS REQUIRED.

2. TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURES.

3. PRIOR TO GENERAL DEMOLITION, SAWCUT WHERE NOTED OR OTHERWISE PROVIDE A SMOOTH, CLEAN, PARALLEL, FULL DEPTH BREAK FROM ALL CONNECTING LINKS TO THE REMAINING STRUCTURE. ENSURE THAT THE JOINT IS STRAIGHT WITHOUT SPALLED EDGES OR CRACKS.

4. ANY DAMAGE INCURRED IN EXECUTION OF THIS CONTRACT TO ANY PART OF THE PROPERTY/STRUCTURE NOT SPECIFICALLY DESIGNATED FOR DEMOLITION MUST BE REPAIRED, REPLACED, AND/OR RECONSTRUCTED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AS DIRECTED BY THE PORT ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

5. ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF, AND MUST BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR AT A LEGAL DISPOSAL SITE. THE REMOVAL, HANDLING, AND DISPOSAL OF ALL DEMOLITION MATERIALS MUST BE IN STRICT ACCORDANCE WITH ALL LOCAL AND FEDERAL REQUIREMENTS.

6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.

7. ALL REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES MUST BE COORDINATED WITH THE PORT ENGINEER PRIOR TO PROCEEDING WITH THE CONSTRUCTION.

8. ALL CONCRETE MUST BE ASSUMED TO BE STEEL REINFORCED.

9. NO SALVAGE VALUE IS EXPRESSED OR IMPLIED BY THESE CONTRACT DOCUMENTS FOR THE ITEMS TO BE REMOVED OR DEMOLISHED.

ISSUED FOR PERMITTING
MARCH 2025

683

REVISION DESCRIPTION

BERTH 301
GENERAL NOTES (1 OF 2)

SEAL

moffatt & nichol

DRAWN: CM
DATE: 2025-03-26
CHECKED: JGS
DATE: 2025-03-26
APPROVED: SWS
DATE: 2025-03-26

PROJECT NO.: 24-00323
SCALE: AS SHOWN
PTS DRAWING NO.:

SHEET NO: G-004

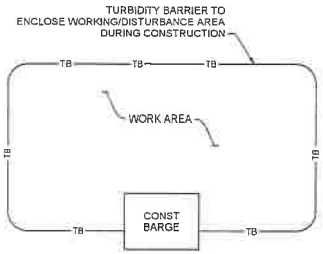
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: G:\24\00323\026 CADD_Active_Berth 301\025\130-G-004 | Plotted: 3/27/2025 4:08 PM by SMITH, TONY | Saved: 9/19/2024 5:10 PM by RCOOPER

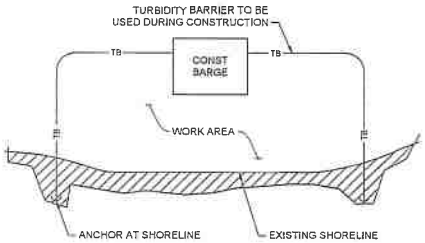
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ENVIRONMENTAL MEASURES

1. TURBIDITY BARRIERS MUST BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR MUST MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR MUST PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES MUST BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
5. CONTRACTOR NEEDS TO FULLY COMPLY WITH THE U.S. ARMY CORPS OF ENGINEERS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION "SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS".
6. CONTRACTOR MUST ADHERE TO THE FFWCC STANDARD FOR MANATEE CONDITIONS AND SMALLTOOTH SAWFISH FOR IN-WATER WORK.

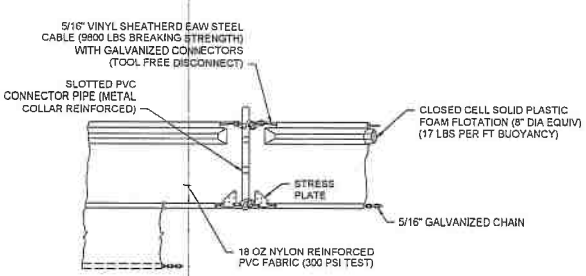


PLAN - OFF SHORE



PLAN - ALONG SHORE

DETAIL - TURBIDITY CONTROL BARRIER



NOTE: CURTAIN WILL NOT REACH BOTTOM

DETAIL - TURBIDITY CURTAIN DETAIL

ISSUED FOR PERMITTING
MARCH 2025

684

BERTH 301

GENERAL NOTES (2 OF 2)

SEAL

moffatt & nichol

DRAWN: CMI DATE: 2025-03-28
CHECKED: JSN DATE: 2025-03-28
APPROVED: SWS DATE: 2025-03-28

PROJECT NO.: 55-00123
SCALE: AS SHOWN
PTS DRWG NO.:

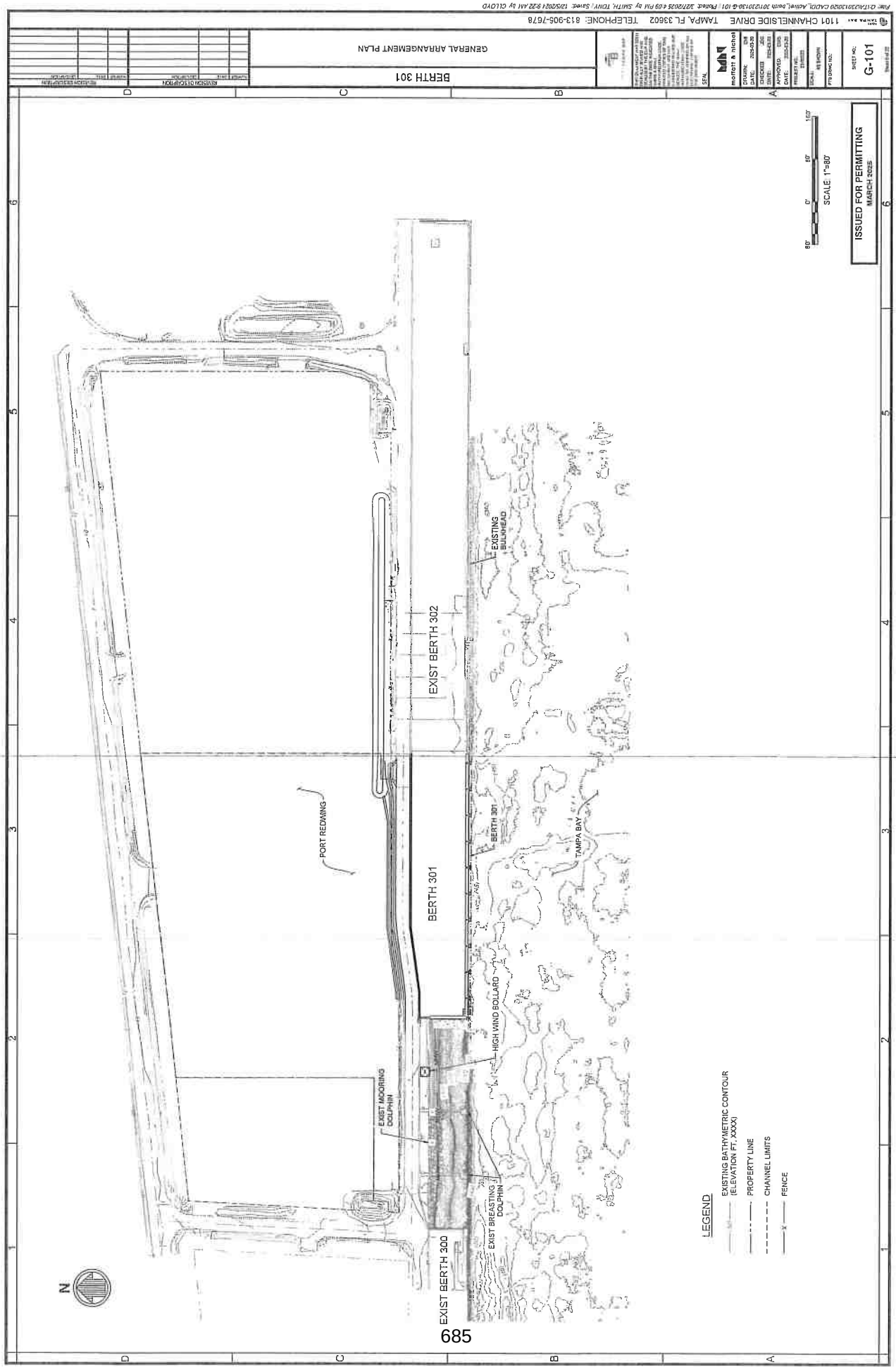
SHEET NO.: G-005

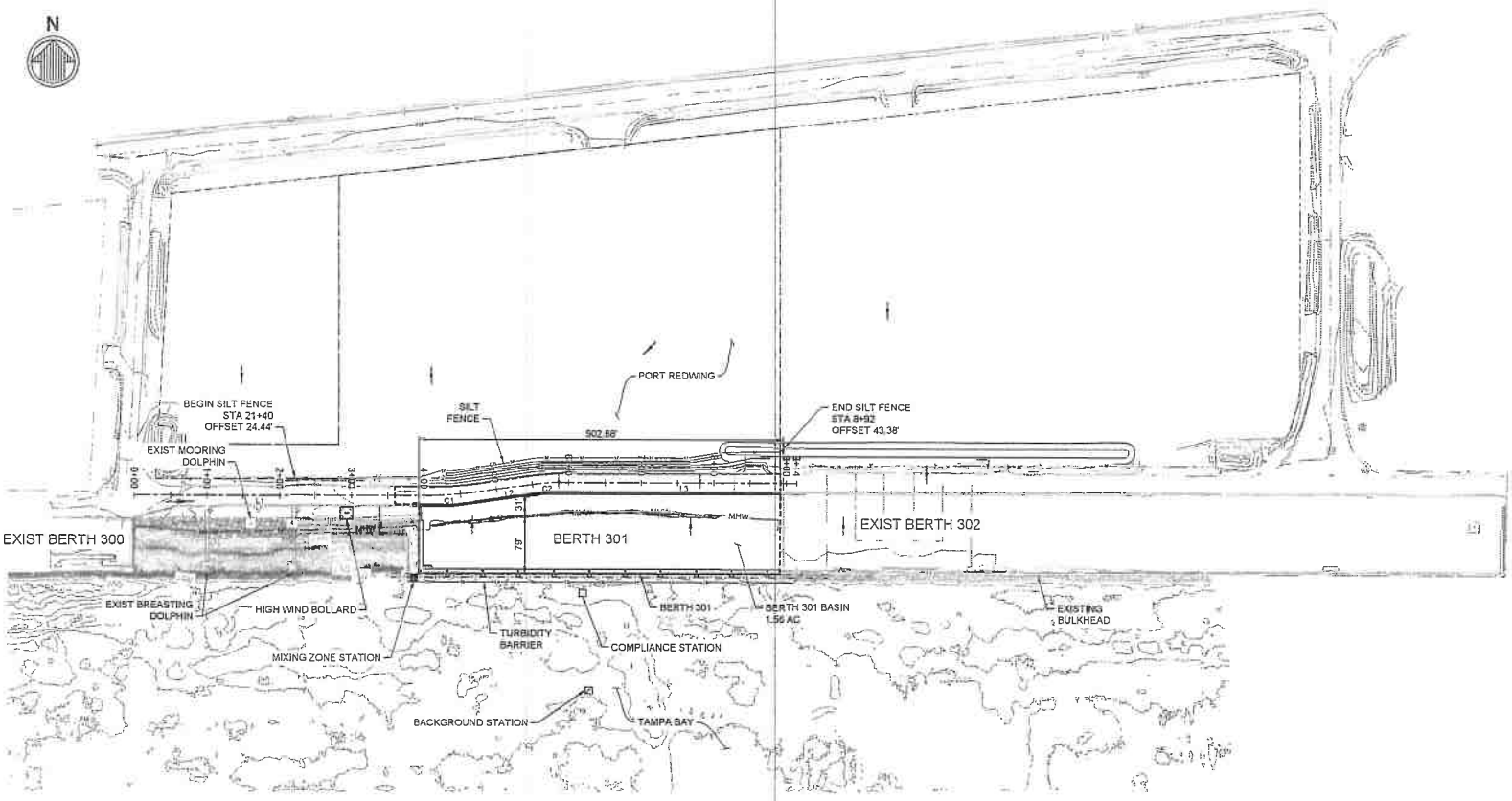
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: C:\1\2023\3023\C\ADD_Admin_berth 301\3023130-G-005 | Plotted: 3/27/2025 4:09 PM by SMITH, TONY | Saved: 9/19/2024 5:19 PM by RCOOPER

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





989

SUMMARY OF QUANTITIES												
STRUCTURE	DISTANCE WATERWARD OF MHWL TO EDGE OF STRUCTURE (FT)	SURFACE AREA (SQFT)		FILL VOLUMNE WATERWARD OF MHWL (CY)		FILL VOLUME LANDWARD OF MHWL (CY)	TOTAL FILL VOLUME (CY)	NUMBER OF 60-In PILES WATERWARD OF MHLW	AREA OF 60-In PILES WATERWARD OF MHWL (SQFT)	NUMBER OF 42-In PILES WATERWARD OF MHLW	AREA OF 42-In PILES WATERWARD OF MHWL (SQFT)	NUMBER OF SHEET PILE PAIRS WATERWARD OF MHLW
		WATERWARD OF MHWL TO FACE OF STRUCTURE	TOTAL AREA	BELOW MHWL	ABOVE MHWL							
BERTH 301	60.32	38000	53200	27050	11820	1300	40170	56	1100	0	0	57

LEGEND

- EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)
- PROPERTY LINE
- FENCE
- SILT FENCE
- TURBIDITY BARRIER
- BASIN OUTLINE
- DRAINAGE FLOW ARROW
- OYSTER BED

80' 0' 80' 160'

SCALE: 1"=80'

ISSUED FOR PERMITTING
MARCH 2025

REVISION DESCRIPTION

BERTH 301

PROJECT SITING PLAN

SEAL

moffatt & nichol

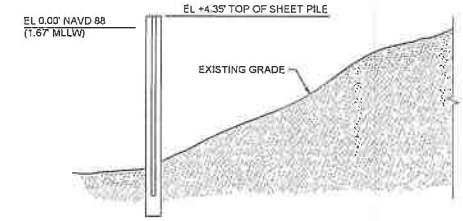
DRAWN: CM DATE: 2024-11-01
CHECKED: JDG DATE: 2024-11-01
APPROVED: GWS (DATE): 2024-11-01
PROJECT NO.:
SCALE: AS SHOWN
PIB DRWG NO.

SHEET NO.
G-150

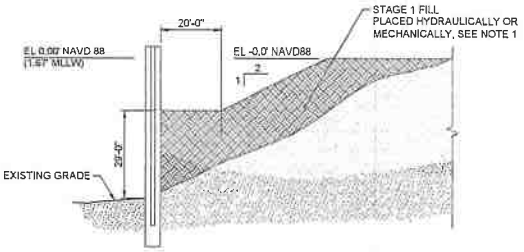
TAMPA PORT AUTHORITY 1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: D:\TA\2301003 CADD_Active_2024-12-22\Permit\2301303-G-150_Permit_6172025 1:29 PM by SMITH, TONY. Saved: 6/17/2025 1:18 PM by ARSMITH

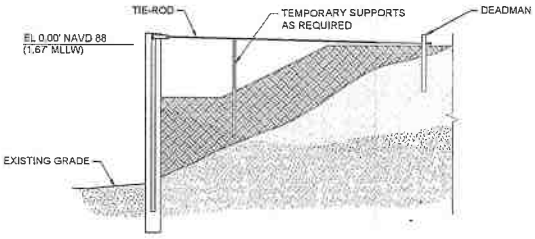
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



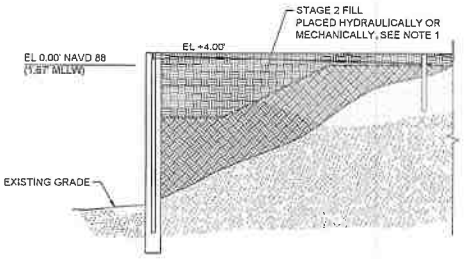
STEP 1 - INSTALL KING PILE BULKHEAD



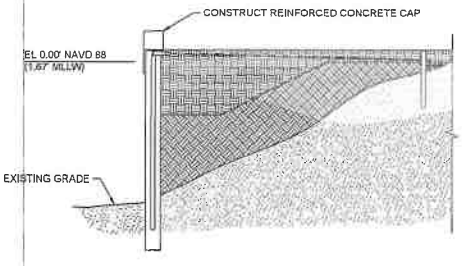
STEP 2 - STAGE 1 FILL



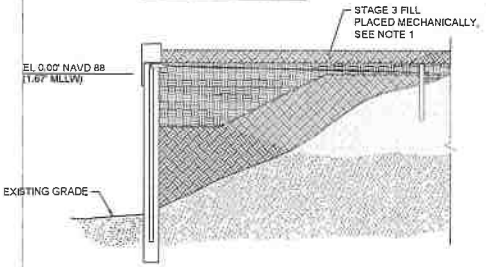
STEP 3 - INSTALL TIE-RODS AND DEADMEN



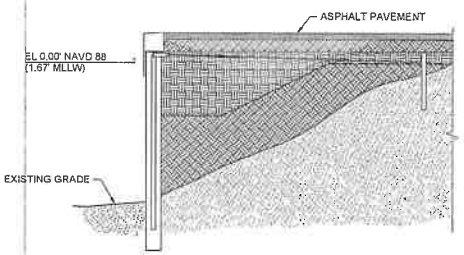
STEP 4 - STAGE 2 FILL AND VIBROCOMPACTION



STEP 5 - CONSTRUCT CAP



STEP 6 - STAGE 3 FILL



STEP 7 - CONSTRUCT PAVEMENT

NOTES

1. THE EXISTING SITE SANDS AND BELOW WATER PLACED FILL SHOULD BE IMPROVED USING VIBRO COMPACTION TO MITIGATE SETTLEMENT. REFER TO GEOTECHNICAL REPORT FOR DETAILS AND METHODS.
2. ALTERNATE FILL SEQUENCES MAY BE CONSIDERED BY THE ENGINEER. DEFLECTION OF THE WALL UNDER TEMPORARY (CONSTRUCTION) LOADING MUST NOT EXCEED 3". CONTRACTOR MUST SUBMIT PROPOSED ALTERNATIVE FILL PLAN AND CALCULATIONS FOR REVIEW BY THE ENGINEER.
3. PERFORM VIBRO-COMPACTION WITH GRANULAR BACKFILL TO PROVIDE THE FOLLOWING CRITERIA UPON SUCCESSFUL COMPLETION OF EACH:
   a. PERFORM DENSIFICATION BY VIBRO-COMPACTION TO AT LEAST A DEPTH EQUAL TO THE FILL DEPTH.
   b. ACHIEVE AN AVERAGE N-VALUE OF 25, WHERE NO INDIVIDUAL N-VALUE IS LESS THAN 20, IN THE GRANULAR SANDS AND SLIGHTLY SILTY SANDS AS DETERMINED BY A STANDARD PENETRATION BORING WITHIN THE IMPROVED SOIL STRATA.
   c. ACHIEVE A UNIFORM SOIL BEARING CAPACITY OF 1000 POUNDS PER SQUARE FOOT WITH A MAXIMUM TOTAL SETTLEMENT OF 1 INCH OVER THE ENTIRE BERTH AREA.
4. USE A DOWN HOLE VIBRATOR CAPABLE OF PROVIDING AT LEAST 80 HP AND A RATED ENERGY AND CENTRIFUGAL FORCE OF 15 TONS.
5. PERFORM FOUR (4) STANDARD PENETRATION TEST BORINGS OR CONE PENETRATION TESTS ON COMPLETED BACKFILL TO VERIFY COMPACTION. LOCATIONS MUST BE AT POINTS WHICH ARE EQUIDISTANT FROM THE NEAREST PROBE POINT.
6. RECOMPACT AREAS OF THE SITE NOT ADEQUATELY DENSIFIED AS DETERMINED BY THE SPECIFIED SPT/CPT VALUES. PERFORM RECOMPACTION AT NO ADDITIONAL COST TO THE PORT.
7. PROVIDE INDEPENDENT SITE INSPECTION AND TESTING TO INCLUDE OBSERVANCE OF VIBRO-COMPACTION PROCEDURES, RECORDING BACKFILL QUANTITIES, RECORDING OF AMMETER INFORMATION, AND VERIFICATION TESTING.

ISSUED FOR PERMITTING
MARCH 2025

687

BERTH 301

SEQUENCE OF BULKHEAD CONSTRUCTION

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

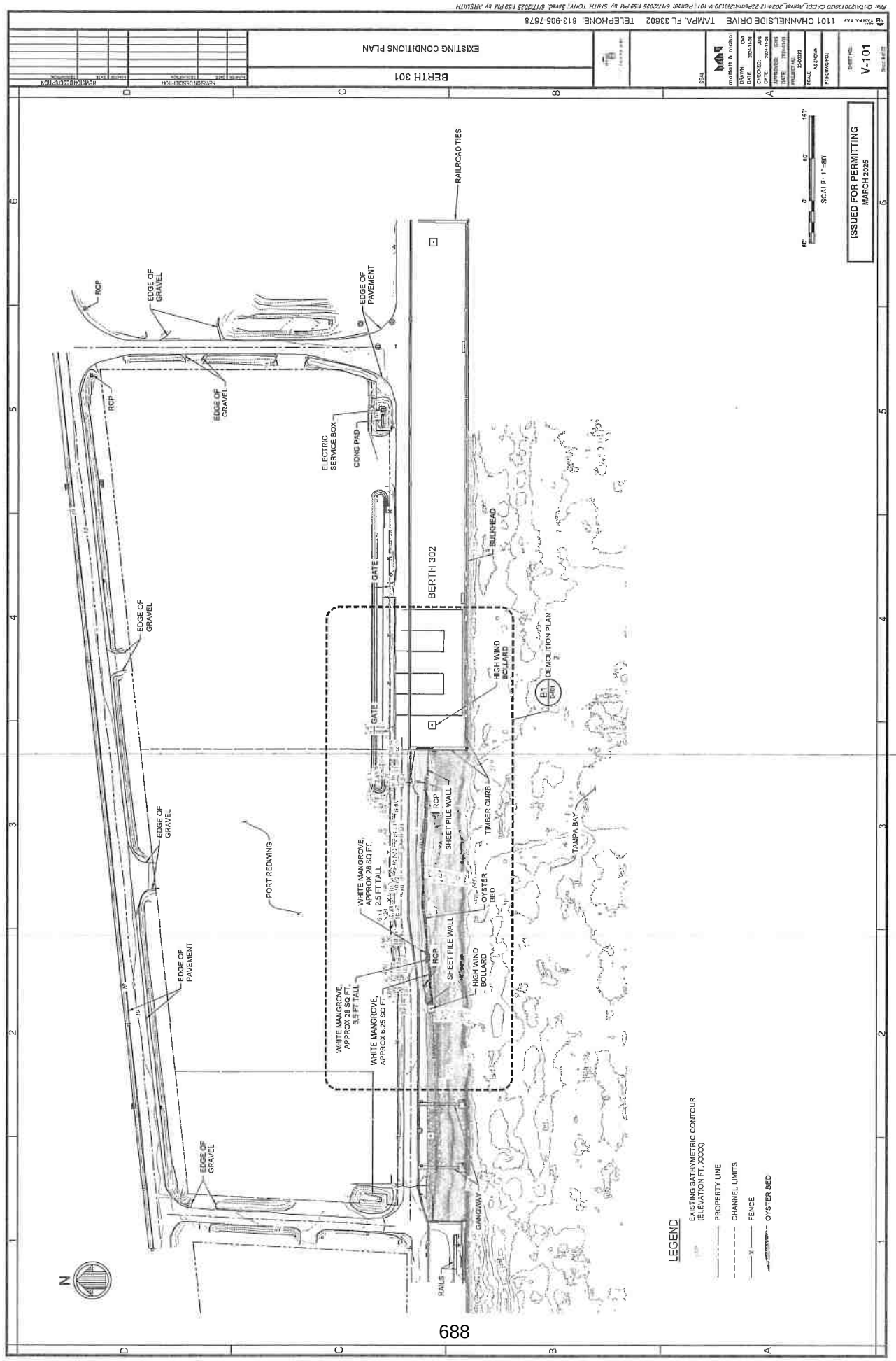
DRAWN: CNS
DATE: 2025-03-20
CHECKED: JSG
DATE: 2025-03-20
APPROVED: GWS
DATE: 2025-03-20
PROJECT NO: 23-84323

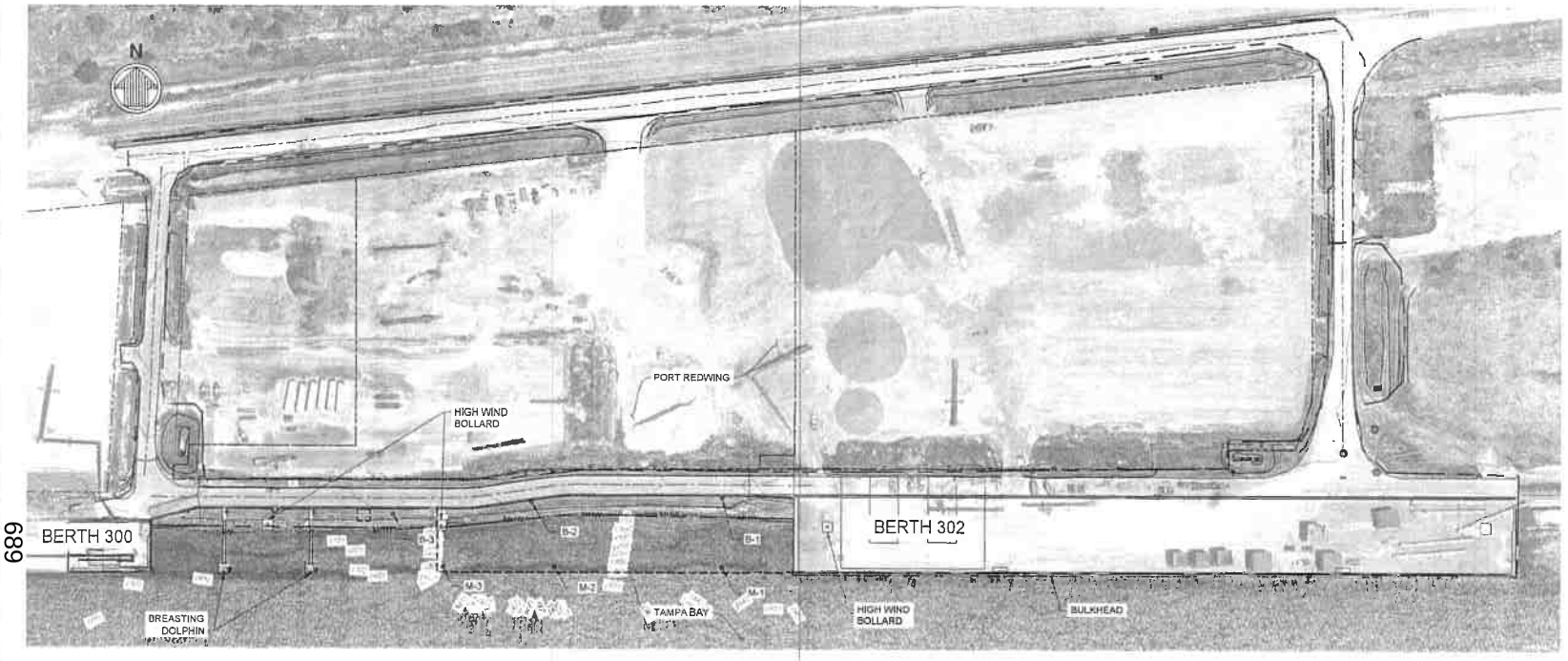
SHEET NO: G-301

File: Q:\TAS\23\84323\CAD\01_Active_berth 301\23123136-G-301 - Plotted: 3/27/2025 4:10 PM by SMITH, TONY - Saved: 9/19/2024 2:49 PM by CLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





NOTES

1. BORING LOCATIONS ARE APPROXIMATE.
2. SOIL BORING INFORMATION IS PROVIDED FOR CONTRACTORS INFORMATION ONLY. THE OWNER MAKES NO REPRESENTATIONS ABOUT SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED WITHIN LIMITS OF THE PROJECT.
3. SOIL BORINGS REPRESENT SUBSURFACE INFORMATION ONLY AT THE LOCATION OF THE BORING AND IS NOT INTENDED TO BE CONSIDERED TYPICAL BEYOND THE LIMITS OF THE BORING. THE CONTRACTOR SHOULD ANTICIPATE VARIABILITY IN THE SUBSURFACE CONDITIONS AND ALLOW FOR VARIATION IN THE PREPARATION OF HIS BID.

LEGEND

- APPROXIMATE SPT BORING LOCATION.
- EXISTING CONTOUR (ELEVATION FT, XXXX)
- PROPOSED STRUCTURE

60' 0' 80' 160'
SCALE: 1"=80'

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
BORING LOCATION PLAN

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

moffatt & nichol

DRAWN: SM
DATE: 2025-03-20
CHECKED: JDG
DATE: 2025-03-20
APPROVED: SMS
DATE: 2025-03-20
PROJECT NO.: 25-00333
SCALE: AS SHOWN
PW DRWG NO.:
SHEET NO.: B-101

File: C:\1A\337\0028 C4\2D_Active_Berth 301\337\0528-B-101 - Plotted: 3/27/2025 4:11 PM by SMITH, TONY Saved: 3/19/2025 2:51 PM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



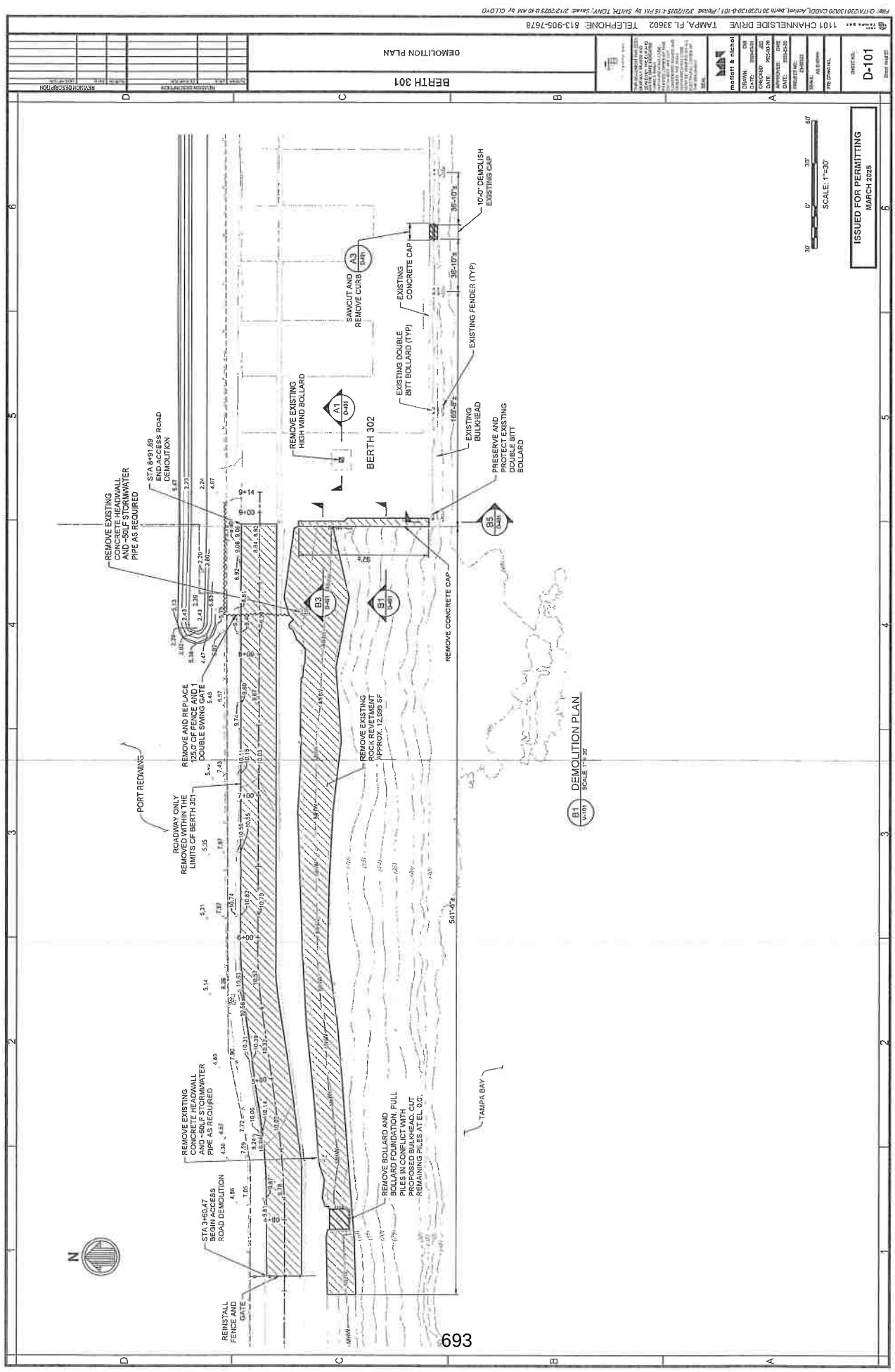
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



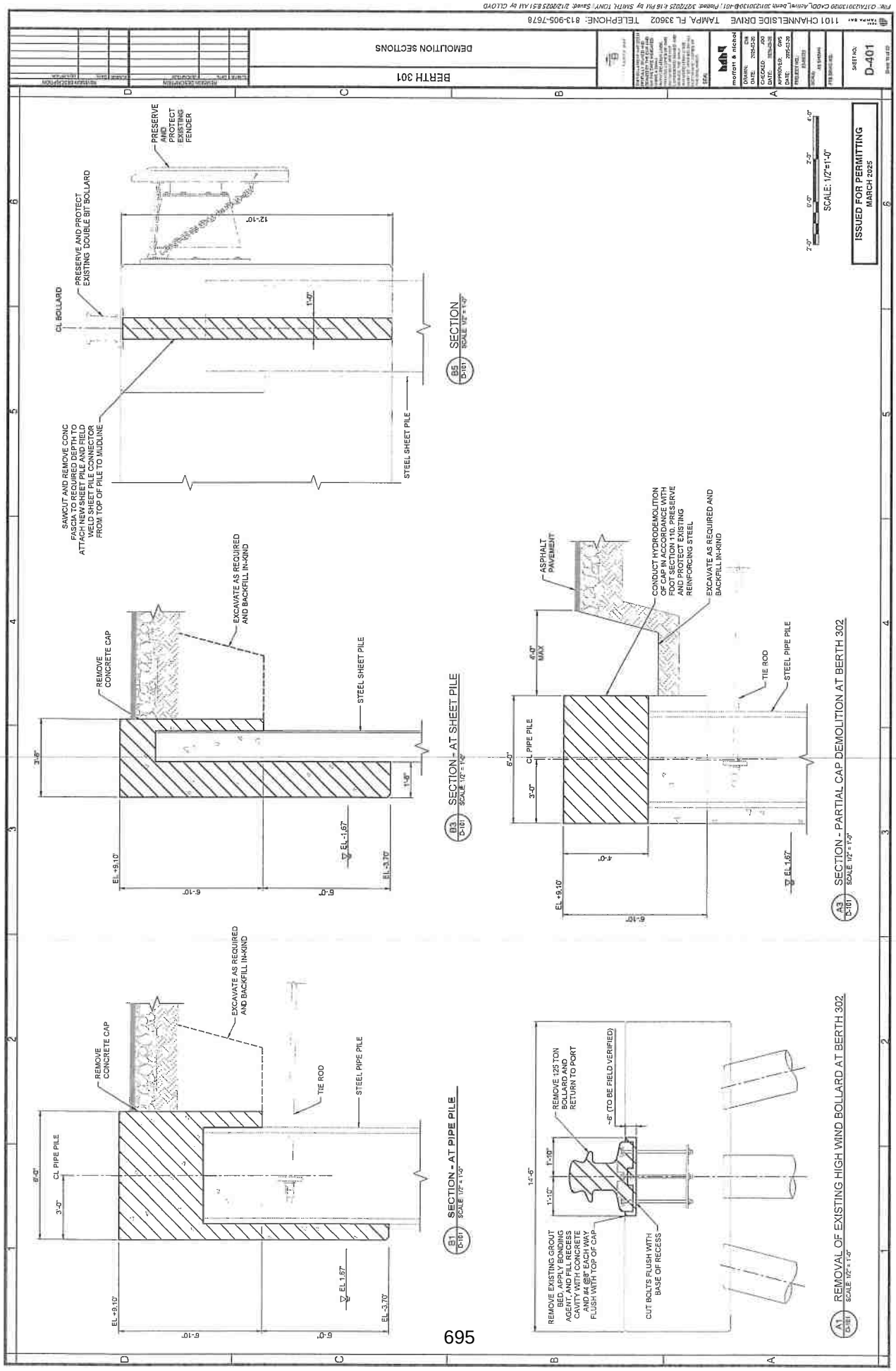
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

CIVIL NOTES

DRAINAGE:

1. INLETS AND MANHOLES REFERENCE THE LATEST EDITION OF THE FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.
2. ALL STORM SEWER PIPE MUST BE CLASS V RCP UNLESS OTHERWISE NOTED ON PLANS.
3. ALL EXFILTRATION PIPE MUST BE CLASS III UNLESS OTHERWISE NOTED IN PLANS.
4. ALL DRAINAGE STRUCTURE GRATES AND COVERS MUST BE TRAFFIC RATED PER LIVE LOADING REQUIREMENTS SHOWN IN STRUCTURAL GENERAL NOTES.
5. THE CONTRACTOR MUST MAINTAIN AND PROTECT THE STORM DRAINAGE SYSTEM FROM DIRT AND DEBRIS UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR MAY BE REQUIRED TO CLEAN PIPES AND INLETS FOR THESE PURPOSES.
6. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
7. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AS SHOWN AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF THE UTILITIES PRIOR TO CONSTRUCTION.
8. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE PORT SURVEYOR WITHOUT DELAY.
9. NO STOCKPILING OF MATERIAL IN ROADWAY. ALL DIRT AND DEBRIS WILL BE REMOVED FROM THE JOB SITE DAILY.

EROSION CONTROL:

1. IT IS NOT THE INTENT OF THE PLANS TO SHOW ALL EROSION CONTROL AND TEMPORARY DRAINAGE. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE EROSION CONTROL AND TEMPORARY DRAINAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND OBTAINING THE NPDES PERMIT FOR THE PROJECT, AS REQUIRED.
2. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, WETLANDS AND THE CHANNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
3. INLET PROTECTION BEST MANAGEMENT PRACTICES MUST BE USED. PRIOR TO ANY WORK BEGINNING, INLET PROTECTION DEVICES MUST BE INSTALLED ON ALL EXISTING INLETS, CATCH BASINS, OR OTHER AREAS WATER MAY DISCHARGE OFFSITE. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.
4. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR MUST STABILIZE THE AFFECTED AREAS USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
5. THE CONTRACTOR MUST STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK OF CONSTRUCTION ACTIVITIES.
6. THE CONTRACTOR MUST PROVIDE ROUTINE MAINTENANCE OF PERMANENT AND TEMPORARY EROSION CONTROL FEATURES UNTIL THE PROJECT IS COMPLETE AND ALL BARED SOILS ARE STABILIZED.
7. WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATERS FROM CONSTRUCTION AREAS, THE WATER MUST BE TREATED PRIOR TO DISCHARGE INTO OPEN WATER BODIES. TREATMENT METHODS INCLUDE AND ARE NOT LIMITED TO, TURBID WATER PUMPED INTO GRASSY SWALES, SEDIMENT BASINS, OR CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL TURBIDITY LEVELS MEET STATE WATER QUALITY STANDARDS.
8. THE CONTRACTOR MUST SCHEDULE HIS OPERATIONS SUCH THAT THE AREA OF UNPROTECTED ERODIBLE EARTH EXPOSED AT ANY TIME IS NOT LARGER THAN THE MINIMUM AREA NECESSARY FOR EFFICIENT CONSTRUCTION OPERATIONS, AND THE DURATION OF EXPOSED UNCOMPLETED CONSTRUCTION MUST BE AS SHORT AS PRACTICAL.
9. TO MINIMIZE SOIL EROSION, PROPOSED LAND ALTERATION MUST NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE PROTECTION MEASURES SUCH AS SEDIMENT BARRIERS AND SOD MUST BE PROVIDED AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUNOFF.
10. CONTRACTOR MUST INSPECT THE SEDIMENT CONTROL MEASURES AT LEAST ONCE A WEEK OR AFTER EVERY RAINFALL EVENT OF 0.25" OR MORE.
11. CONTRACTOR MUST IMMEDIATELY REPAIR OR REPLACE ANY SEDIMENT CONTROL MEASURE THAT IS RENDERED DAMAGED OR INEFFECTIVE BY NORMAL USE OR EXTREME RAINFALL EVENTS.

969

ISSUED FOR PERMITTING
MARCH 2025

REVISION DESCRIPTION

BERTH 301

CIVIL NOTES

SEAL

moffatt & nichol

DRAWN: SMI
DATE: 2025-03-20
CHECKED: JDG
DATE: 2025-03-20
APPROVED: DWS
DATE: 2025-03-20
PROJECT NO.:
SCALE: AS SHOWN
PTB DRAWING NO.:
SHEET NO.: C-001

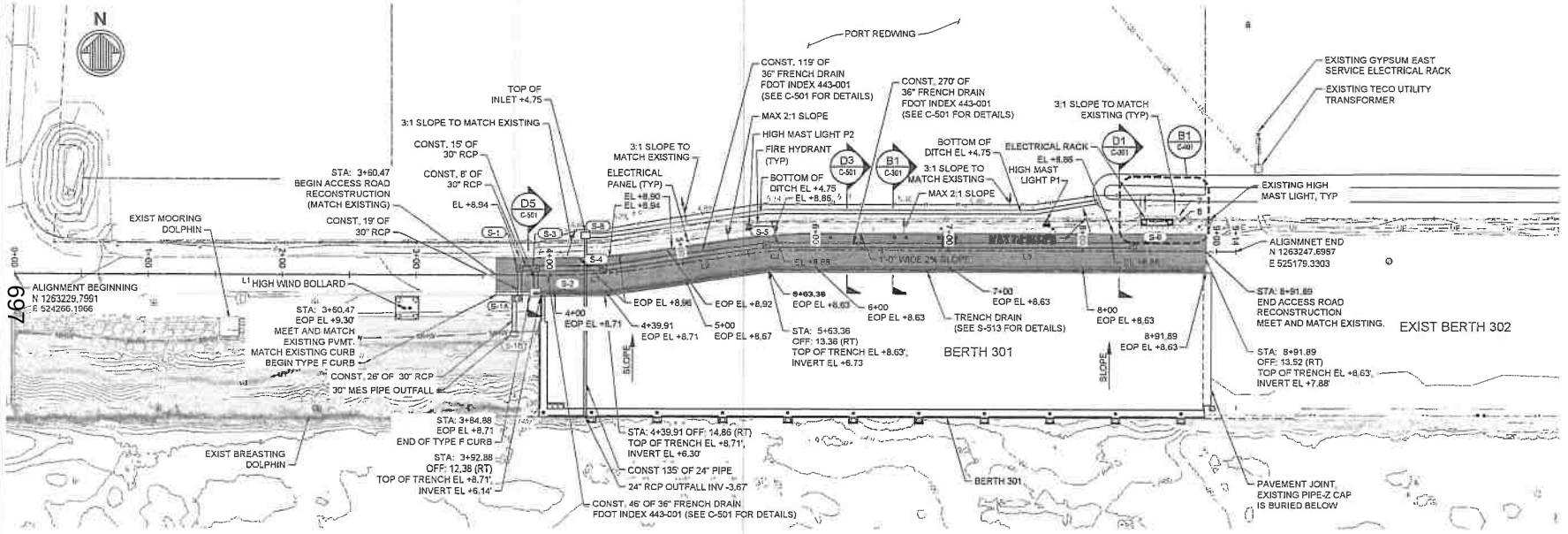
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

File: Q:\TA\2301.1029.CADD_Active_berth 301\2301.1029.C-001 - Planset 3272025 4:16 PM by SMITH, TONY Saved: 1/31/2025 9:59 AM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ALIGNMENT GEOMETRY TABLE

NUMBER	STATION	NORTHING	EASTING	BEARING	CHORD (FT)	R (FT)	Dc	L (FT)	T (FT)	DELTA
L1	0+00.00	1263229.80	524266.20	S89° 53' 45.32"E	-	-	-	392.62	-	-
C1	3+92.62 4+27.72 4+62.72	1263229.09 1263228.84 1263233.10	524658.61 524693.91 524728.76	N86° 43' 06.42"E	70.056	544.56	10° 32' 11"	70.10	35.101	7° 22' 34"
L2	4+62.72	1263233.10	524728.76	N81° 54' 33.57"E	-	-	-	87.27	-	-
C2	5+49.99 5+69.90 5+89.72	1263245.38 1263248.52 1263248.34	524815.15 524834.61 524854.72	N85° 42' 47.25"E	39.679	237.03	24° 21' 20"	39.73	19.909	9° 36' 10"
L3	5+89.72	1263248.34	524854.72	S89° 53' 09.84"E	-	-	-	324.61	-	-



NOTES

1. FOR MECHANICAL SETTING OUT POINTS SEE SHEET M-101.
2. FOR ELECTRICAL SETTING OUT POINTS SEE SHEETS E-401 THRU E-403.
3. ALL STORMWATER MANHOLE COVERS SHALL HAVE 2" RAISED OR DEPRESSED IDENTIFICATION, LETTER TYPE I, WITH THE FOLLOWING TEXT "STORM".

LEGEND

- EXISTING BATHYMETRIC CONTOUR (ELEVATION FT, XXXX)
- PROPERTY LINE
- FENCE
- ACCESS ROAD RECONSTRUCTION
- PROPOSED DITCH

(S-1A) STA: 3+75.41
OFF: 17.43 (R)
CONST MODIFIED STORM MANHOLE
(SEE C-501 FOR DETAILS)
FDOT INDEX 425-001
TOP EL +9.30
INV = +1.80 (N)
INV = +1.50 (S)

(S-1B) STA 3+73.46
OFF: 44.24 (R)
CONST MITERED END SECTION
FDOT INDEX 430-021
TOP EL +4.75
INV = +1.00 (N)

(S-1) STA: 3+77.37
OFF: -5.16 (L)
CONST STORM MANHOLE
FDOT INDEX 425-001
TOP EL +9.16
INV = +1.90 (S,E)

(S-2) STA: 3+88.88
OFF: 13.39 (R)
CONST TRENCH DRAIN DROP INLET
SEE S-513 FOR DETAILS
GRATE EL +8.71
INV = +3.00 (N)

(S-3) STA: 3+89.56
OFF: -5.23 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.88
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (E,W)
INV = +2.50 (S)

(S-4) STA: 4+39.85
OFF: -3.59 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.88
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W,E)

(S-5) STA: 5+63.69
OFF: -5.22 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.80
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W,E)

(S-6) STA: 8+37.98
OFF: -4.50 (L)
CONST STORM MANHOLE
W/ 4'X4' BOTTOM
W/ 12" DIA WEEP HOLE
FDOT INDEX 425-001
TOP EL +8.80
STRUCTURE BOTTOM EL +1.00
INV = +2.00 (W)

(S-8) STA 4+28.24
OFF: 29.32 (L)
CONST DITCH BOTTOM INLET TYPE E
FDOT INDEX 425-052
TOP EL +4.75
INV = -2.75 (S)

40' 0' 40' 80'
SCALE: 1"=40'

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
CIVIL SITE PLAN

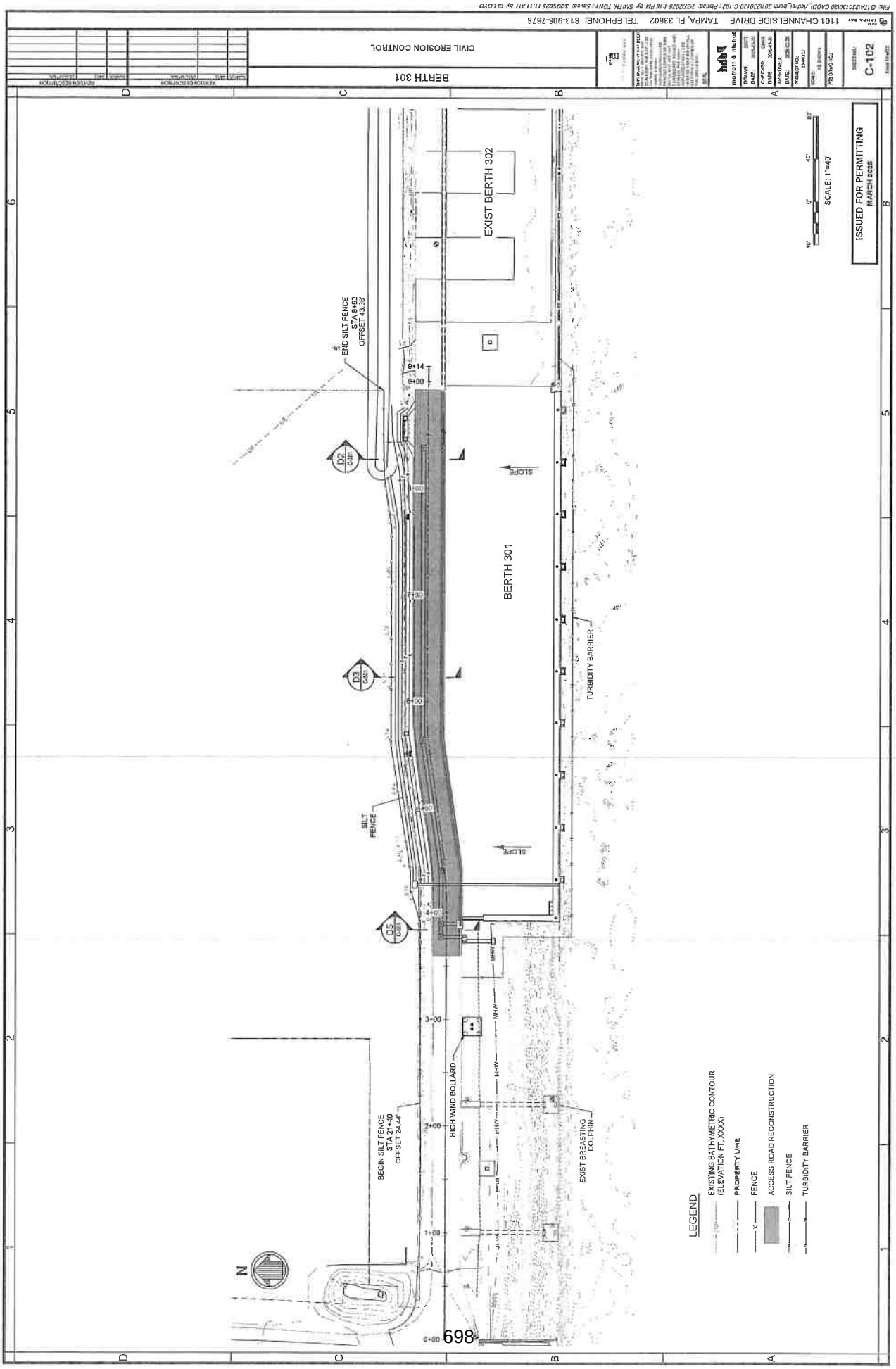
moffatt & nichol
TAMPA, FL 33602 TELEPHONE: 813-905-7678

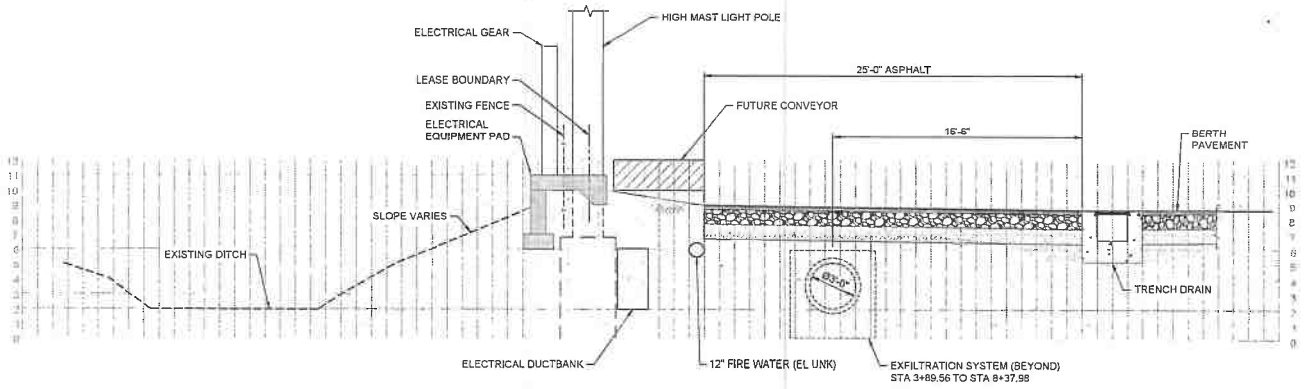
DRAWN: EMI
DATE: 2025-03-20
CHECKED: JDO
DATE: 2025-03-20
APPROVED: DMS
DATE: 2025-03-20
PROJECT NO.: 210033
SCALE: AS SHOWN
PREVIOUS NO.:
SHEET NO. C-101
Sheet 16 of 53

1101 CHANNELSIDE DRIVE

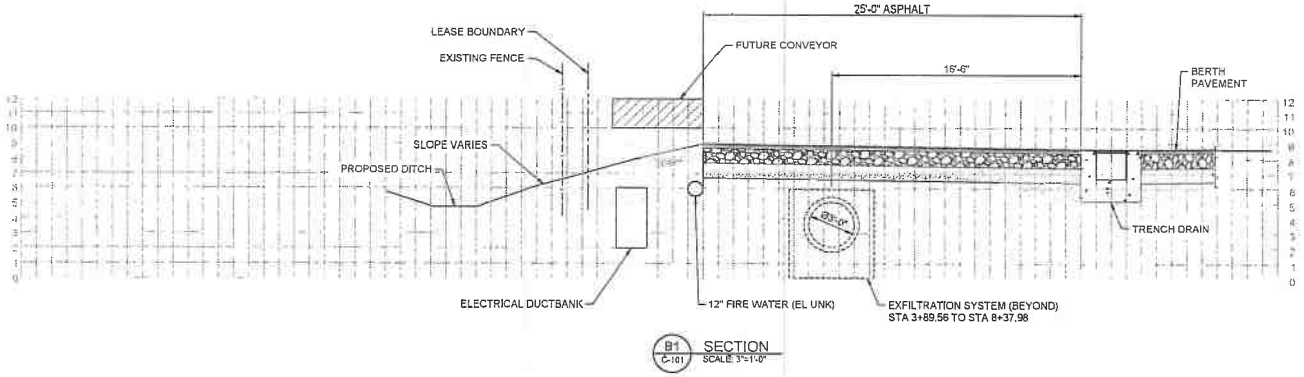
File: C:\TA\210\33\20 CADD_Active_berth 301\210120-C-101.r, Plotted: 3/27/2025 4:17 PM by SMITH, TONY, Saved: 3/27/2025 8:59 AM by CLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





01 C-101 SECTION
SCALE: 3"=1'-0"



B1 C-101 SECTION
SCALE: 3"=1'-0"

8'-0" 0'-0" 4'-0" 8'-0"
SCALE: 3/16"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
CIVIL SECTIONS

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-905-7678

mott MacDonald

DRAWN: BMR
DATE: 2025-03-20
CHECKED: CHR
DATE: 2025-03-20
APPROVED:
DATE: 2025-03-20
PROJECT NO.: 333-00333
SCALE: AS SHOWN
PSS DRAG NO.:

SHEET NO: C-301

File: C:\TAD\301\3020 CADD_Active_berth 301\301C-301 - Plotted: 3/27/2025 4:18 PM by SMITH, TONY - Saved: 12/5/2024 11:31 AM by CLLOYD

669

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

File: G:\TAMA\301\30\D CAD\L Active_Delhi 301\2301\30-C-101 | Printed: 3/7/2025 4:19 PM by SANTK TONY, SantK 12/5/2024 10:49 AM by CLLOYD

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

BERTH 301

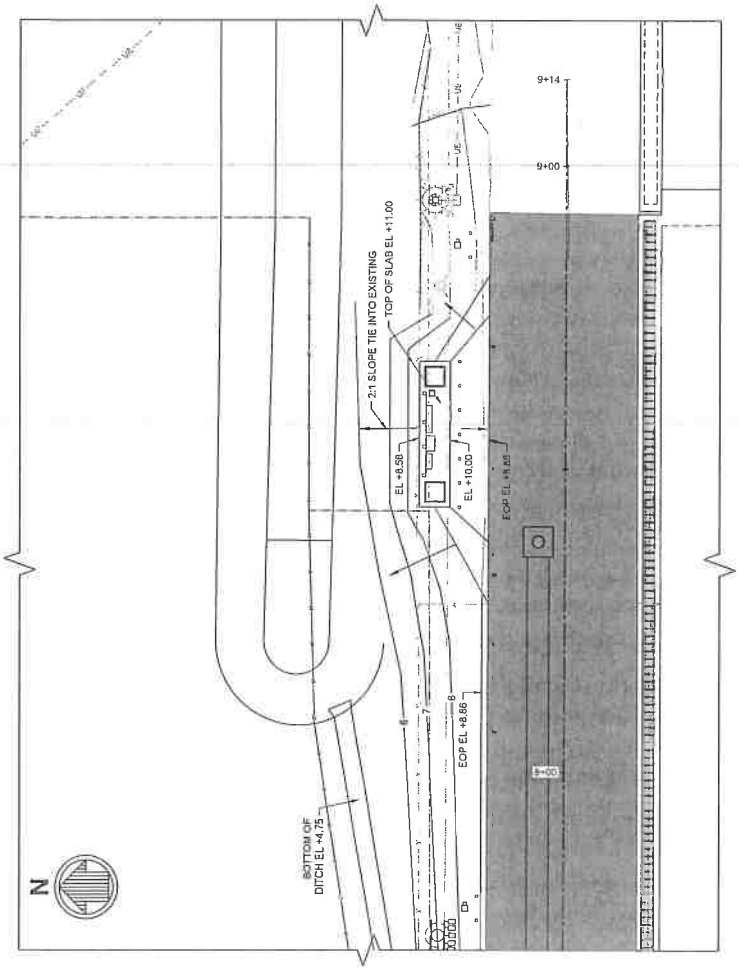
CIVIL ENLARGED PARTIAL PLAN

meiser & nichol

C-401

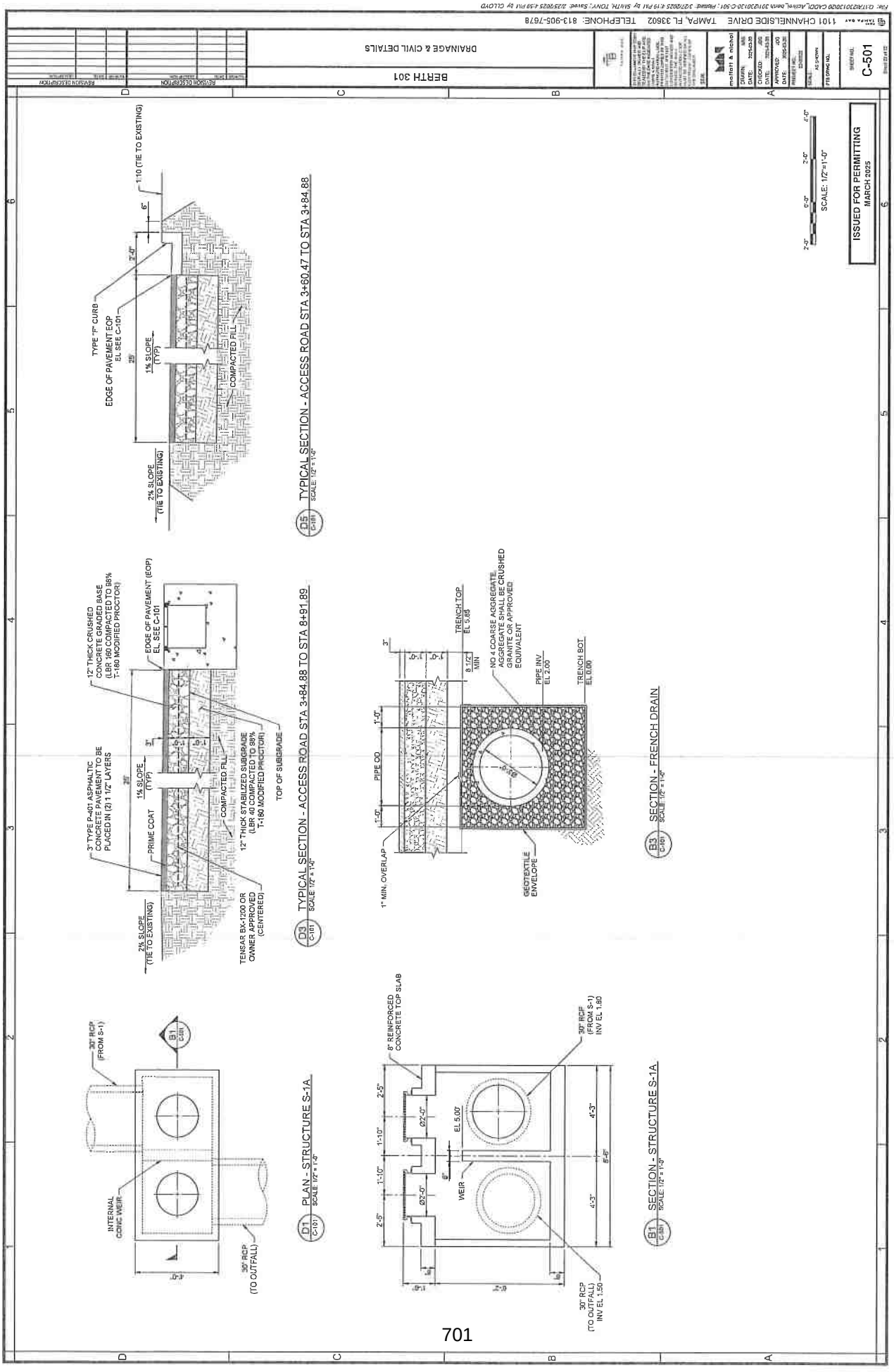
ISSUED FOR PERMITTING
MARCH 2025

SCALE: 1"=10'



B1 C401 ENLARGED PLAN
SCALE: 1"=10'

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



DESIGN CRITERIA

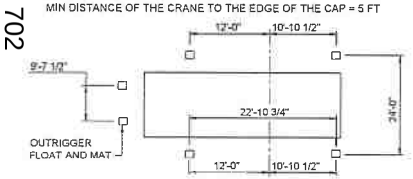
1. BASIC DESIGN WIND SPEED BASED ON MAXIMUM WINDS OF RECORD AND A 50-YEAR RETURN PERIOD.
2. MAXIMUM DESIGN WIND SPEED DURING VESSEL BERTHING OF 30 KNOTS (35 MPH). MAXIMUM DESIGN WIND SPEED OF 30 KNOTS WITH VESSEL AT BERTH. ABOVE 30 KNOTS, ALL CAPABLE VESSELS WILL BE PUT TO SEA.
3. MAXIMUM DESIGN TIDAL CURRENT OF 0.3 KNOTS (0.51 FEET PER SECOND).
4. ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
5. MINIMUM STRUCTURE SERVICE DESIGN LIFE OF 50 YEARS. FENDER DEVICES MUST HAVE A MINIMUM SERVICE DESIGN LIFE OF 10 YEARS.
6. DESIGN DREDGE DEPTH IS -48.65' NAVD 88 (-45.0' MLLW +2' OVERDREDGE)

DESIGN VESSELS

DWT	~60,000	
LENGTH OVERALL (m / ft)	199.98	656.1
LENGTH BETWEEN PERPENDICULARS (m / ft)	195	639.76
BEAM (m / ft)	32.24	105.77
DEPTH (m / ft)	19.15	62.83
SUMMER DRAFT (m / ft)	13.42	44.02
DESIGN DRAFT (m / ft)	11.8	38.7
BALLAST DRAFT (m / ft)	6	19.68
SUMMER DISPLACEMENT (mt / LT)	72,669	71,521
DISPLACEMENT AT MAX DRAFT (mt / LT)	63,883	62,874
SIDE WINDAGE AREA ABOVE DECK (m^2 / ft^2)	1,170	12,594
FRONTAL WINDAGE AREA ABOVE DECK (m^2 / ft^2)	415	4,467
MOORING LINE MBL (mt / kip)	85	187

VERTICAL DESIGN LOADS

1. UNIFORM LIVE LOADS WHARF DECK 1,000 PSF
2. P & H 300-TON (OR SIMILAR) TRUCK CRANE
   CAPACITY = 300 TON
   OUTRIGGER LOAD = 486 K
   CRANE MAT SIZE 10.5 FT x 10.5 FT
   MAX ALLOWABLE LOAD ON THE DECK IS 4.41 KIP/SQ.FT
   MIN DISTANCE OF THE CRANE TO THE EDGE OF THE CAP = 5 FT



3. TRUCK LOADING IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES FOR AN HS25-44 TRUCK OR EQUIVALENT LOADING. TOTAL OF THREE AXLES: FRONT AXLE LOAD 10 KIPS, TWO REAR AXLES ARE 40 KIPS EACH FOR A TOTAL OF 90 KIPS. VEHICLE IMPACT ADDED IN ACCORDANCE WITH UFC 4-152-01.
4. SESCO CEMENT SWERTELL 640M BULK UNLOADER. MIN DISTANCE OF THE CENTERLINE OF THE WATERSIDE AXLE TO WETTED FACE OF BULKHEAD = 17'-9".
5. CONVEYOR BELT AND HOPPER LOADING MIN DISTANCE TO WETTED FACE OF BULKHEAD = 10'-0".

LATERAL DESIGN LOADS

1. BERTHING FORCES BASED ON SHIP CRITERIA OUTLINED HEREIN, WITH BERTHING ENERGIES CALCULATED BASED ON A LOADED DISPLACEMENT, AS FOLLOWS:
   VESSEL DISPLACEMENT = 63,883 METRIC TON
   APPROACH VELOCITY = 0.30 FEET PER SECOND (NORMAL TO WHARF)
2. MOORING FORCES FROM BREASTING LINES AND SPRING LINES BASED ON SHIP CRITERIA OUTLINED HEREIN, WITH A 30 KNOT PER HOUR WIND VELOCITY.
3. LATERAL EARTH PRESSURE ON BULKHEAD WALL FROM UNIFORM LIVE LOAD AND SOIL BEHIND THE WALL.

LONGITUDINAL DESIGN LOADS

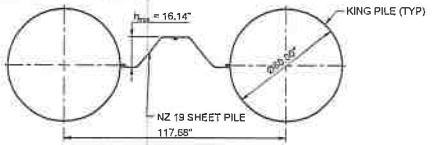
1. MOORING LINE FORCE FROM SPRING LINES OF THE DESIGN VESSEL WITH A 30 KNOT WIND VELOCITY AND PASSING VESSEL EFFECTS.
2. LONGITUDINAL COMPONENT OF BERTHING FORCE FROM THE DESIGN VESSEL SPECIFIED, AND A FENDER PANEL FACED WITH UHMW PLASTIC.

CONCRETE AND REINFORCING STEEL

1. MATERIALS, REINFORCEMENT, AND CONSTRUCTION MUST BE IN ACCORDANCE WITH FDOT SECTIONS 346, 400, AND 415 UNLESS OTHERWISE NOTED.
2. ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL MUST CONFORM TO THE LATEST EDITION OF THE "ACI MANUAL OF CONCRETE PRACTICE" INCLUDING BUT NOT LIMITED TO: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI SP-66 "ACI DETAILING MANUAL".
3. ALL REINFORCING BAR SPLICES ARE CLASS "B" TENSION LAP SPLICES IN ACCORDANCE WITH ACI 318-19, CHAPTER 12, UNLESS OTHERWISE NOTED.
4. PROVIDE CEMENT CONFORMING TO ASTM C150, TYPE II FOR EXTREMELY AGGRESSIVE ENVIRONMENT WITH SLAG OR FLY ASH. MAXIMUM W/C RATIO IS 0.40
5. ALL CAST-IN-PLACE CONCRETE IS NORMAL WEIGHT CONCRETE (145± PCF) UNLESS OTHERWISE NOTED.
6. MINIMUM CONCRETE COVER FOR STEEL REINFORCEMENT IS 3", UNLESS OTHERWISE NOTED ON THE DRAWINGS.
7. CONCRETE MUST CONTAIN CORROSION INHIBITING ADMIXTURE EUCON CIA OR APPROVED EQUAL.
8. COURSE AGGREGATES MUST CONFORM TO ASTM C33, NO 57.
9. PROVIDE 3/4", 45° CHAMFER ON ALL EXPOSED EXTERNAL CORNERS OF CONCRETE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
10. ALL JOINTS BETWEEN CAST-IN-PLACE CONCRETE AND HARDENED CONCRETE SHALL BE CLEANED AND ROUGHENED TO A 1/4" AMPLITUDE AND COATED WITH AN EPOXY BONDING COMPOUND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, UNLESS OTHERWISE NOTED.
11. CONCRETE MATERIALS MUST CONFORM TO THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH UNLESS OTHERWISE NOTED:
    A. CAST-IN-PLACE CONCRETE: 5500 PSI @ 28 DAYS (FDOT CLASS IV)
    B. CEMENTITIOUS GROUT: 8000 PSI @ 28 DAYS
    C. PRECAST CONCRETE: 6000 PSI @ 28 DAYS
12. CONCRETE REINFORCING MATERIALS MUST CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
    A. REINFORCEMENT AND DOWELS FOR CONCRETE: ASTM A 615, GR 60
    B. REINFORCEMENT TO BE WELDED: ASTM A 706, GR 60
13. NO MORE THAN 50% OF LAP SPLICES SHALL BE AT THE SAME LOCATION, STAGGER SPLICES.
14. TOP BAR LAP SPLICES SHALL NOT BE AT SUPPORT LOCATIONS.
15. BOTTOM BAR LAP SPLICES SHALL NOT BE AT THE CENTERLINE OF THE SPAN.
16. ALL DOWEL HOOKS AND BENDS MUST CONFORM TO THE LATEST EDITION OF THE "ACI MANUAL OF CONCRETE PRACTICE" INCLUDING BUT NOT LIMITED TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE AND ACI 318-19" BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
17. ALL UNFORMED CONCRETE SURFACES MUST BE GIVEN A WOOD FLOAT FINISH UNLESS OTHERWISE SPECIFIED.
18. REPAIR ALL SURFACE BLEMISHES IN CONCRETE WITHIN 24 HOURS AFTER FORM REMOVAL. PROVIDE CONSTRUCTION JOINTS IN THE BULKHEAD CAP AT 30' O.C. CONTINUOUS CONCRETE POUR LENGTH MUST NOT EXCEED 30'.
19. DO NOT PLACE FRESH CONCRETE AGAINST HARDENED CONCRETE THAT IS LESS THAN 7 DAYS OLD.
20. METAL CHAIRS ARE PROHIBITED. DO NOT PERMIT METAL TIES OR OTHER METALLIC MATERIAL TO PROTRUDE FROM THE SURFACE OF THE CONCRETE.
21. CURE CONCRETE USING CONTINUOUS MOISTURE AND/OR MEMBRANE CURING COMPOUND(S) IN ACCORDANCE WITH FDOT SECTIONS 400-16.1 AND 400-16.2.
22. PROVIDE NON-SHRINK GROUT IN ACCORDANCE WITH FDOT SECTION 934.
23. PROVIDE MECHANICAL REINFORCING BAR CONNECTORS WITH A MINIMUM 125% YIELD STRENGTH OF THE REINFORCING BAR.
24. THE STRUCTURES CONSIDERED AS MASS CONCRETE:
    a. HIGHWIND BOLLARD PILE CAP.
    b. CONCRETE CAP AT COMBINATION WALLS

COMBINATION WALL SYSTEM

1. STEEL COMBINATION WALL MUST HAVE A MINIMUM ELASTIC SECTION MODULUS, Sx OF 196.1 IN^3/FT AND A MINIMUM MOMENT OF INERTIA, Ix OF 5882 IN. /FT.
2. STEEL COMBINATION WALL DIMENSIONS:



3. PILES AND SHEET PILES MUST BE DRIVEN TO THE MINIMUM TIP ELEVATION INDICATED (FACTOR OF SAFETY: 2.5 FOR COMPRESSION, 2.0 FOR TENSION).	SIZE	ULTIMATE COMPRESSION CAPACITY (TONS)	ULTIMATE SIDE FRICTION CAPACITY (TONS)	ULTIMATE END BEARING CAPACITY (TONS)	ULTIMATE TENSION (FT)	ESTIMATED TIP ELEV (FT)
MAIN BULKHEAD KING PILE	60"x0.688"	161	N/A	N/A	-68	N/A
MAIN BULKHEAD SHEET PILE	NZ19*	N/A	N/A	N/A	-57.5	N/A
RETURN COMBI WALL KING PILE	60"x0.688"	N/A	N/A	N/A	-68	N/A
RETURN COMBI WALL SHEET PILE	NZ19*	N/A	N/A	N/A	-57.5	N/A
RETURN WALL @ SSP WITH TIE ROD	NZ19*	N/A	N/A	N/A	-16	N/A
HIGH WIND BOLLARD PIPE PILE	42"x0.5"	229	286	90	-36	-60
*OR APPROVED EQUIVALENT WITH A MINIMUM ELASTIC SECTION MODULUS OF 35.08 IN^3/FT						

4. ALL PILES SHALL BE DRIVEN TO REQUIRED CAPACITY BASED ON DRIVING CRITERIA ESTABLISHED BY THE TEST PILE PROGRAM, BUT UNDER NO CIRCUMSTANCES SHALL THE PILE TIP ELEVATION BE HIGHER THAN THE MINIMUM EMBEDMENT DEPTH INDICATED. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY PILES THAT DO NOT REACH THE REQUIRED PILE TIP ELEVATION.
5. COAT STEEL IN ACCORDANCE WITH THE FDOT SPECIFICATIONS. ADDED PRECAUTIONS MUST BE TAKEN TO MINIMIZE DAMAGE TO THE PILE COATING SYSTEM DURING HANDLING AND DRIVING. REPAIRS TO THE PILE COATING SYSTEM MUST BE MADE AS SOON AS POSSIBLE AFTER THE DAMAGE OCCURS
6. STEEL SHEET AND KING PILE ELEMENTS OF THE COMBINATION WALL SYSTEM MUST BE DRIVEN TO THE MINIMUM TIP ELEVATION INDICATED USING A HAMMER OF AN APPROVED TYPE, WITH A CAPACITY AT LEAST EQUAL TO THE HAMMER MANUFACTURER'S RECOMMENDATION FOR THE TOTAL WEIGHT OF THE PILING SYSTEM AND CHARACTERISTICS OF SUBSURFACE MATERIAL TO BE ENCOUNTERED.
7. STEEL USED FOR THE COMBINATION WALL SYSTEM MUST BE HEAVY GAUGE HOT-ROLLED SECTION WITH FULL INTERLOCKING SHEETS CONFORMING TO ASTM A572, GRADE 50 (Fy=50 KSI) WITH A MINIMUM 3/8" THICKNESS UNLESS OTHERWISE NOTED.
8. CONTRACTOR MUST VERIFY COORDINATES & GEOMETRY PRIOR TO DRIVING STEEL PILES FOR THE COMBINATION WALL SYSTEM.
9. STEEL SHEET PILES AND PIPE PILES MUST BE SANDBLASTED TO A NEAR WHITE FINISH (SSPC SP10).
10. COAT ALL PILING PER FDOT SECTION 560.
11. COATING MUST EXTEND FROM 1-FT ABOVE THE BOTTOM ELEVATION OF THE BULKHEAD CAP FASCIA OR AT THE TOP OF THE PIPE PILES AT THE HIGH WIND BOLLARD TO 5-FT BELOW FUTURE DREDGE DEPTH OF -45.0 MLLW +2.0 OVERDREDGE ALLOWANCE. COATING IS ONLY REQUIRED ON WATERSIDE FACE OF SSP/PIPE PILE WALL ELEMENTS.
12. PILE DRIVING TOLERANCES:
    a. TOP OF PILE AT CUTOFF ELEVATION MUSTL BE WITHIN 3" HORIZONTALLY AND "VERTICALLY OF PLAN LOCATION. MANIPULATION OF PILES TO FORCE THEM INTO POSITION IS NOT BE PERMITTED.
    b. PLACE PILES PLUMB WITH OUT-OF PLUMBNESS NOT EXCEEDING 1 /4" PER FOOT OF LENGTH AND TRUE TO LINE.
    c. CHECK ALL PILE FOR HEAVE. RE-DRIVE ALL HEAVED PILES TO THE TIP ELEVATION INDICATED.
13. DRIVE SHEET PILING IN ACCORDANCE WITH FDOT SPECIFICATION 455-9. DRIVE STEEL PIPE PILING IN ACCORDANCE WITH FDOT SPECIFICATION 455-8.
14. TAKE ADDED PRECAUTIONS TO MINIMIZE DAMAGE TO THE PILING COATING SYSTEMS DURING DRIVING AND ALSO DURING CONCRETE PLACEMENT. IF REQUIRED, MAKE REPAIRS TO THE PILING COATING SYSTEM AS SOON AS POSSIBLE AFTER THE DAMAGE OCCURS. SUBMIT REPAIR METHODS FOR ENGINEER-REVIEW AND PRE-APPROVAL TO MINIMIZE SITE DELAYS.
15. MAINTAIN PILE DRIVING LOGS FOR ALL PILES.
16. SUBMIT PILE HAMMER DATA FOR REVIEW BY THE ENGINEER.
17. COORDINATE PILE DRIVING SCHEDULE SO AS NOT TO INTERFERE WITH OR BE DETRIMENTAL TO THE CONCRETE PLACEMENT AND CURING.
18. PREPARE TO DRIVE PILING THROUGH LIMESTONE LAYERS. REFER TO GEOTECHNICAL REPORT.
19. PROVIDE LAYOUT OF PILING INCLUDING PIPES, STEEL SHEETS, AND CONNECTORS ENSURING BEST FIT TO DESIGN ALIGNMENTS TO ENGINEER FOR REVIEW.
20. SUBMIT PROPOSED CONSTRUCTION SEQUENCING PLAN DETAILING, INSTALLATION TECHNIQUES, QUALITY CONTROL, EQUIPMENT AND BULKHEAD CONSTRUCTION PHASING TO THE ENGINEER FOR REVIEW PRIOR TO INITIATING CONSTRUCTION.
21. ENSURE BACKFILLING AND TIE-ROD TENSIONING PROCEDURES DO NOT INDUCE EXCESSIVE DEFLECTIONS INTO THE WALL.
22. JETTING IS PROHIBITED.
23. PROVIDE A GEOTECHNICAL ENGINEER WITH AT LEAST THREE YEARS EXPERIENCE TO PERFORM PILE DRIVING ANALYZER. PERFORM PDA TESTING ON TWO (2) BULKHEAD KING PILES AND ONE (1) BOLLARD STRUCTURE PILE.

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
STRUCTURAL NOTES (1 OF 2)

moffatt & nichol
TELEPHONE: 813-905-7678
1101 CHANNELSIDE DRIVE TAMPA, FL 33602

DRAWN: EJB DATE: 2025-03-26
CHECKED: JDO DATE: 2025-03-26
APPROVED: DWB DATE: 2025-03-26
PROJECT NO.: 23-08103
SCALE: AS SHOWN
PTO DRWG NO.:
SHEET NO.: S-001

File: G:\Projects\2023\08103\CADD_Active_berth 301\301S-001 Plotted: 3/27/2025 4:19 PM by SMITH, TONY - SaveD: 3/26/2025 4:09 PM by CLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

STRUCTURAL AND MISCELLANEOUS STEEL

1. ALL STEEL WORK MUST BE PERFORMED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (AISC 360) AND FDOT SECTION 460.
2. ALL STRUCTURAL STEEL SHAPES, PLATES, BARS, FABRICATIONS, BOLTS AND ALL HARDWARE EXCEPT STAINLESS STEEL MUST BE ZINC-COATED OR GALVANIZED BY THE HOT-DIPPED PROCESS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A123 AND/OR A153 AS APPLICABLE, AFTER FABRICATION, UNLESS OTHERWISE NOTED.
3. HOT-DIP GALVANIZE TIE-RODS, COUPLERS, AND MISCELLANEOUS PLATES ON THE TIE BACK SYSTEM AFTER FABRICATION.
4. FIELD TREAT DAMAGED GALVANIZED FINISH WITH TWO COATS OF HIGH ZINC DUST OXIDE PAINT, COLD GALVANIZING COMPOUNDS, OR APPROVED EQUAL CONFORMING TO THE REQUIREMENTS OF ASTM A780. IN ADDITION, ALL EXPOSED THREADED SURFACES MUST BE PAINTED WITH TWO COATS OF HIGH-ZINC-DUST OXIDE PAINT AFTER INSTALLATION OF NUT.
5. PERFORM WELDING BY CERTIFIED WELDERS ONLY. WELD ALL JOINTS IN ACCORDANCE WITH AWS D1.1 OR AWS D3.6, AS APPLICABLE. MAKE ALL WELDED CONNECTIONS USING SHIELDED METAL ARC PROCESS (OR APPROVED EQUAL) WITH ELECTRODES CONFORMING TO DESIGNATION E70XX.
6. DO NOT PERFORM WELDING ON THE TIE-RODS WITHOUT APPROVAL FROM THE ENGINEER.
7. INSTALL ADHESIVE ANCHORS IN ACCORDANCE WITH FDOT SECTION 416 TYPE HSHV.
8. INSTALL ANCHOR BOLTS IN ACCORDANCE WITH FDOT SECTION 460-30.
9. PERFORM PULL OUT TESTS ON 10% OF EACH TYPE OF ANCHOR. TEST ANCHORS TO 125% OF THE CAPACITY OF THE ANCHOR IN TENSION

STEEL

MATERIALS:

1. STEEL SHEET PILING AND PIPE PILING	ASTM A572, GRADE 60
2. PLATES, BARS, FABRICATIONS, HARDWARE	ASTM A572, GRADE 50, UON
3. FASTENERS	ASME/ANSI B18.2.2 & ASTM F3125-ASTM A325
4. TIE RODS	ASTM A615, GR 75 UON
5. THREADED ANCHOR BOLTS	ASTM F1554 GR 105, HDG, UON
6. WELDED STUDS	ASTM A108
7. FENDER SYSTEM HARDWARE	ASTM A572, HDG
8. PIPE	ASTM A53, GRADE B
9. BOLTS	ASTM A325
10. NUTS	ASTM A563
11. WASHERS	ASTM F436

TIMBER

1. TIMBER CURBS AND BLOCKING MUST BE SOUTHERN YELLOW PINE, PRESSURE TREATED.
2. TIMBER DIMENSIONS INDICATED ON DRAWINGS ARE NOMINAL DIMENSIONS.

TIE RODS & TIE ROD ASSEMBLIES

1. TIE RODS MUST BE GRADE 75 KSI, ASTM A615 HOT DIP GALVANIZED OR APPROVED EQUAL.
2. TIE RODS AND TIE ROD ASSEMBLIES MUST BE HOT DIP GALVANIZED.

WELDING

1. UNDERWATER WELDING MUST BE IN ACCORDANCE WITH AWS D3.6.
2. STRUCTURAL WELDING MUST BE PERFORMED BY AWS CERTIFIED WELDERS.
3. WELDS MUST BE VISUALLY INSPECTED BY AWS CERTIFIED WELDING INSPECTORS.
4. WELDED CONNECTIONS MUST BE PRE-QUALIFIED IN ACCORDANCE WITH AWS D1.1 AND MADE USING THE SHIELDED METAL ARC PROCESS (OR ENGINEER APPROVED EQUAL) WITH ELECTRODES CONFORMING TO E70XX.

BACKFILL PLACEMENT PROCEDURES

1. CONTRACTOR MUST SUBMIT A BULKHEAD CONSTRUCTION SEQUENCING PLAN DETAILING THE INTENDED ORDER OF CONSTRUCTION. THE PLAN MUST BE SUBMITTED PRIOR TO COMMENCING PILE DRIVING.
2. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARILY BRACING AND SUPPORTING ALL STRUCTURAL COMPONENTS DURING BACKFILLING AND CONSTRUCTION OPERATIONS.

BACKFILL

1. MATERIAL MUST CONTAIN LESS THAN 12% BY WEIGHT MATERIAL PASSING THE U.S. STANDARD SIEVE NO. 200 AND MUST ALSO BE FREE OF CLAY LUMPS AND OTHER DELETERIOUS MATERIALS.

FENDER SYSTEM

1. FENDERS MUST BE RUBBER CONE FENDERS WITH STEEL FENDER PANELS WITH UHMW-PE RUBBING SURFACE.
2. PERFORMANCE (AT 72% COMPRESSION):
   a. ENERGY ABSORPTION: 383 KIP-FT ±10%
   b. REACTION: 230 KIPS ±10%
3. CHAIN MUST BE ABS GRADE 2, OPEN LINK GALVANIZED CHAIN (STUDLESS) AS PER FEDERAL SPECIFICATIONS FS RR-C-271D.
4. SHACKLES MUST BE FS RR-C-271D TYPE IVA, GRADE A, CLASS 2, WITH STAINLESS STEEL MOUSING WIRE, OR CLASS 3 WITH STAINLESS STEEL COTTER PINS. THE BOWS AND PINS MUST BE GALVANIZED AND OF MILD-STEEL.
5. UHMW-PE PAD MUST PROVIDE A LOW-FRICTION NON-SPARKING PROTECTIVE FACING, HAVE A MINIMUM WEAR SURFACE OF 1/2 INCH, AND BE UV-STABILIZED.

   PROPERTIES:

   a. MIN TENSILE YIELD STRENGTH (ASTM D638)..... 3,000 PSI
   b. IZOD IMPACT (ASTM D256, METHOD A)..... 18 FT-LBS/IN
   c. MAX COEFFICIENT OF FRICTION (ASTM D1894)..... 0.20

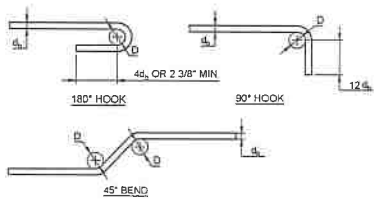
MOORING FITTINGS

1. MOORING FITTINGS MUST BE STRESS-RELIEVED CAST STEEL CONFORMING TO ASTM A27, GRADE 65-35 OR DUCTILE CAST IRON CONFORMING TO ASTM A536 GRADE 65.
2. MINIMUM SAFE WORKING LOADS OF BOLLARDS MUST BE AS INDICATED ON DRAWINGS, IN THE DIRECTION OF -45 TO 45 DEGREES RELATIVE TO HORIZONTAL AND 0 TO 180 DEGREES RELATIVE TO THE FACE OF THE WHARF AND BOLLARD STRUCTURES.
3. THE FACTOR OF SAFETY AGAINST YIELDING MUST BE GREATER THAN OR EQUAL TO 2.0, THE FACTOR OF SAFETY AGAINST FRACTURE MUST BE GREATER THAN OR EQUAL TO 3.0.
4. ANCHOR BOLTS MUST CONFORM TO ASTM A449 OR F1554, GRADE 105.
5. PROVIDE HEAVY HEX NUTS CONFORMING TO ASTM A563, GRADE DH. PROVIDE WASHERS CONFORMING ASTM A436.
6. FILL INTERIOR CAVITY OF MOORING FITTINGS WITH NON-SHRINK CEMENTITIOUS GROUT WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS NOT LESS THAN 6000 PSI.
7. COAT BOLLARDS WITH A THREE-PART PAINT SYSTEM COMPRISED OF AN ORGANIC ZINC EPOXY PRIMER (BETWEEN 3.0 AND 5.0 MILS DFT) AND CYCLOALIPHATIC AMINE EPOXY OR POLYAMIDE BISPHENOL EPOXY INTERMEDIATE AND TOP COAT (4.0 TO 6.0 MILS DFT EACH).
8. PROVIDE ALL ANCHORAGE HARDWARE HOT DIPPED GALVANIZED.

SUBMITTALS

TIE CONTRACTOR MUST PROVIDE WORK PLANS, SHOP DRAWINGS, PRODUCT SUBMITTALS AND/OR CATALOG CUT SHEETS FOR THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION. REFER TO DRAWING NOTES FOR ADDITIONAL REQUIREMENTS.

1. PRELIMINARY SUBMITTALS:
   a. SCHEDULE OF COMPLETION OF WORK (TO BE UPDATED WEEKLY)
   b. LIST OF SUBMITTALS
   c. CONTRACTOR WORK PLAN AND METHODOLOGY
   d. DEMOLITION METHODS AND WORK PLAN
   e. SEQUENCE OF CONSTRUCTION
   f. SAFETY PLAN
2. CONCRETE
   a. CONCRETE MIX DESIGN FROM FDOT APPROVED CONCRETE BATCH PLANT OR EACH MIX DESIGN MUST INCLUDE THE FOLLOWING:
      i. ADMIXTURE DATA SHEETS
      ii. AGGREGATE TEST DATA
      iii. COMPRESSIVE STRENGTH TEST RESULTS
      iv. CONCRETE BATCH TEST RESULTS
      v. CEMENT MILL CERTIFICATE
      vi. POZZOLAN MILL CERTIFICATE
      vii. WATER
      viii. COMPRESSIVE STRENGTH
      ix. CORROSION INHIBITOR
   b. REINFORCING STEEL SHOP DRAWINGS
   c. FORMWORK SHOP DRAWINGS
   d. CURING MATERIAL AND METHODS
   e. EPOXY BONDING COMPOUND DATA SHEETS
   f. CONSTRUCTION JOINT LOCATION PLAN AND MATERIAL
   g. FIELD VERIFICATION TEST RESULTS
3. BULKHEAD
   a. WORK PLAN
   b. BULKHEAD ALIGNMENT PLAN
   c. SHOP DRAWINGS FOR ALL PILING AND CONNECTIONS
   d. PILE DRIVING EQUIPMENT AND METHODS
   e. MATERIAL TEST REPORTS FOR ALL MATERIALS
   f. DRIVING RECORDS
   g. COATING PRODUCT DATA
   h. HOLIDAY AND DRY FILM THICKNESS TEST RESULTS
   i. GROUT SOCK DATA AND INSTALLATION METHOD
4. EARTHWORK
   a. BULKHEAD FILL MATERIAL
   b. ASPHALT, BASE, SUBBASE
5. STRUCTURAL AND MISCELLANEOUS STEEL
   a. MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. SHOP DRAWINGS
      i. WALE AND SPLICES
      ii. PLATES, BARS, AND FASTENERS
      iii. ANCHOR BOLTS
      iv. TIE ROD BAR
      v. TIE ROD EYE LINK
      vi. T-BAR CONNECTOR
   c. WELDER QUALIFICATIONS
   d. WELD PROCEDURES AND QUALIFICATIONS
   e. MANUFACTURER DATA FOR ADHESIVE ANCHOR BONDING MATERIAL
6. CATHODIC PROTECTION
   a. SYSTEM SHOP DRAWINGS
   b. INSTALLATION METHODS AND WORK PLAN
   c. SHOP DRAWINGS OF PROPOSED SYSTEM
7. MOORING BOLLARDS
   a. PRODUCT DATA AND MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. DESIGN CALCULATIONS FOR EACH FITTING
   c. SHOP DRAWINGS OF EACH BOLLARD AND ASSOCIATED CONNECTING HARDWARE
8. MARINE FENDER SYSTEMS
   a. PRODUCT DATA AND MATERIAL TEST REPORTS FOR ALL PRODUCTS
   b. DESIGN CALCULATIONS
   c. SHOP DRAWINGS OF SYSTEM AND ASSOCIATED CONNECTING HARDWARE
9. VIBRO-COMPACTION
   a. SHOP DRAWINGS INDICATING SPACING AND LOCATION OF VIBRO-POINTS.
   b. DAILY LOG INCLUDING PROBE NUMBER, START/FINISH TIME, DEPTH OF TREATMENT, AND APPROXIMATE BACKFILL QUANTITIES.
   c. GRAIN SIZE DISTRIBUTION ANALYSIS OF PROPOSED BACKFILL.
   d. PROPOSED WORK PLAN INCLUDING EQUIPMENT.
   e. COMPLETION REPORT BY TESTING FIRM WITH REQUIRED TEST RESULTS.
10. PRECAST CONCRETE-STORM DRAIN SYSTEM
   a. SHOP DRAWINGS
   b. DESIGN CALCULATIONS



NOTES:

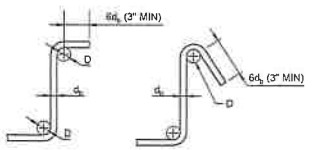
D=$6d_b$ FOR #3 THRU #8

D=$8d_b$ FOR #9 THRU #11

D=$10d_b$ FOR #14 THRU #18

TYPICAL REINFORCING HOOKS

SCALE: NTS



BAR SIZE	#3	#4	#5	#6	#7	#8
D	1 1/2"	2"	2 1/2"	4 1/2"	5 1/4"	6"

TYPICAL STIRRUP AND TIE HOOKS

SCALE: NTS

ISSUED FOR PERMITTING
MARCH 2025

703

BERTH 301
STRUCTURAL NOTES (2 OF 2)

moffatt & nichol

DRAWN: CML
DATE: 2025-03-25
CHECKED: JDS
DATE: 2025-03-25
APPROVED: DWS
DATE: 2025-03-25
PROJECT NO.: 23-00323
SCALE: AS SHOWN
PTS DRWG NO.:
SHEET NO.: S-002

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

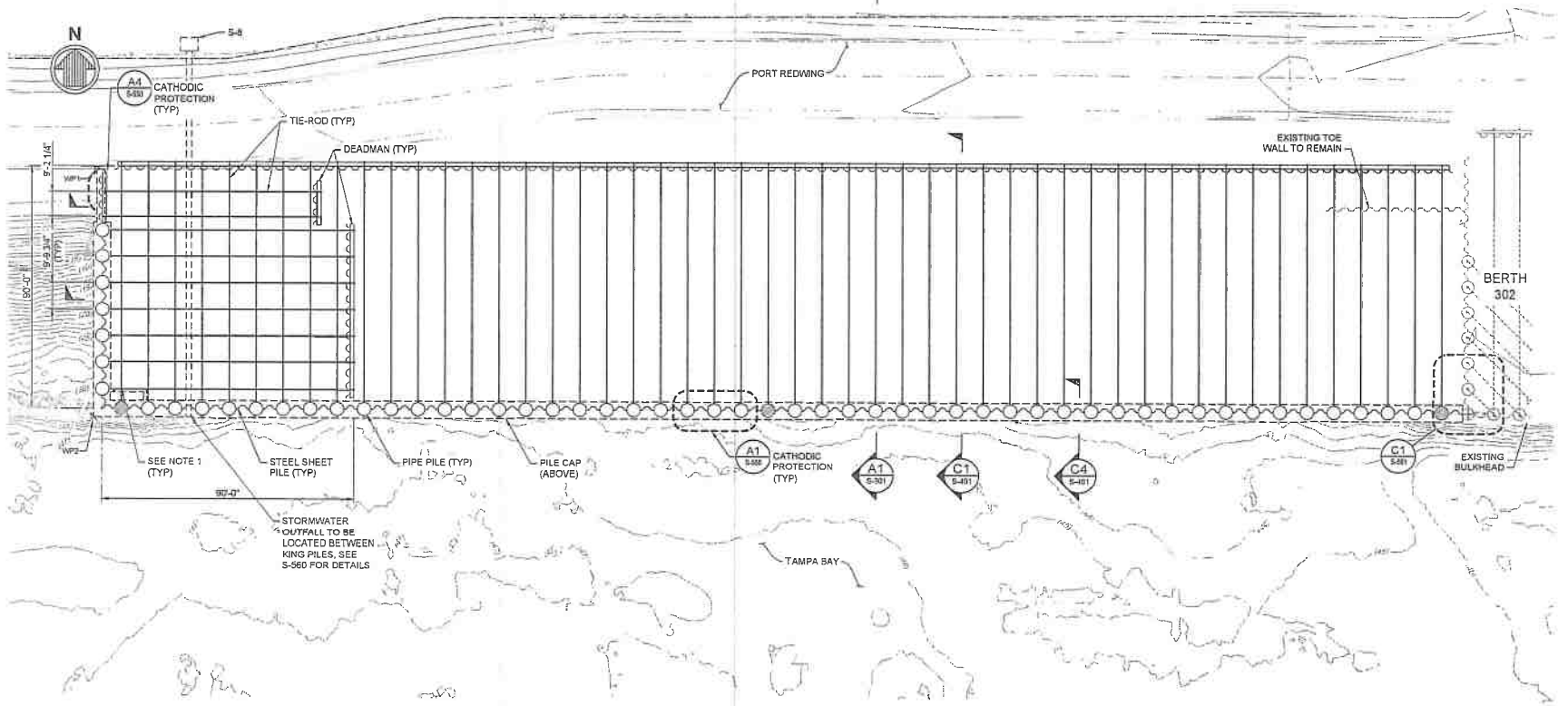
File: C:\TAMPA\23\00323\03\D_Active_berth 301\23-00323-S-002 - Plotted: 3/27/2025 4:20 PM by SMITH, TONY - Saved: 10/1/2024 12:15 PM by CLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



NOTES

1. ENSURE A MIN 3" CLEAR SPACING BETWEEN CROSSING TIE RODS.

LEGEND

TEST PILE LOCATION

WORKING POINTS		
POINT #	NORTHING	EASTING
WP1	1263213.6514	524659.2686
WP2	1263121.6354	524658.1483
WP3	1263213.0257	524550.6634
WP4	1263195.5257	524568.1634

20'-0" 0'-0" 20'-0" 40'-0"
SCALE: 1"=20'

ISSUED FOR PERMITTING
MARCH 2025

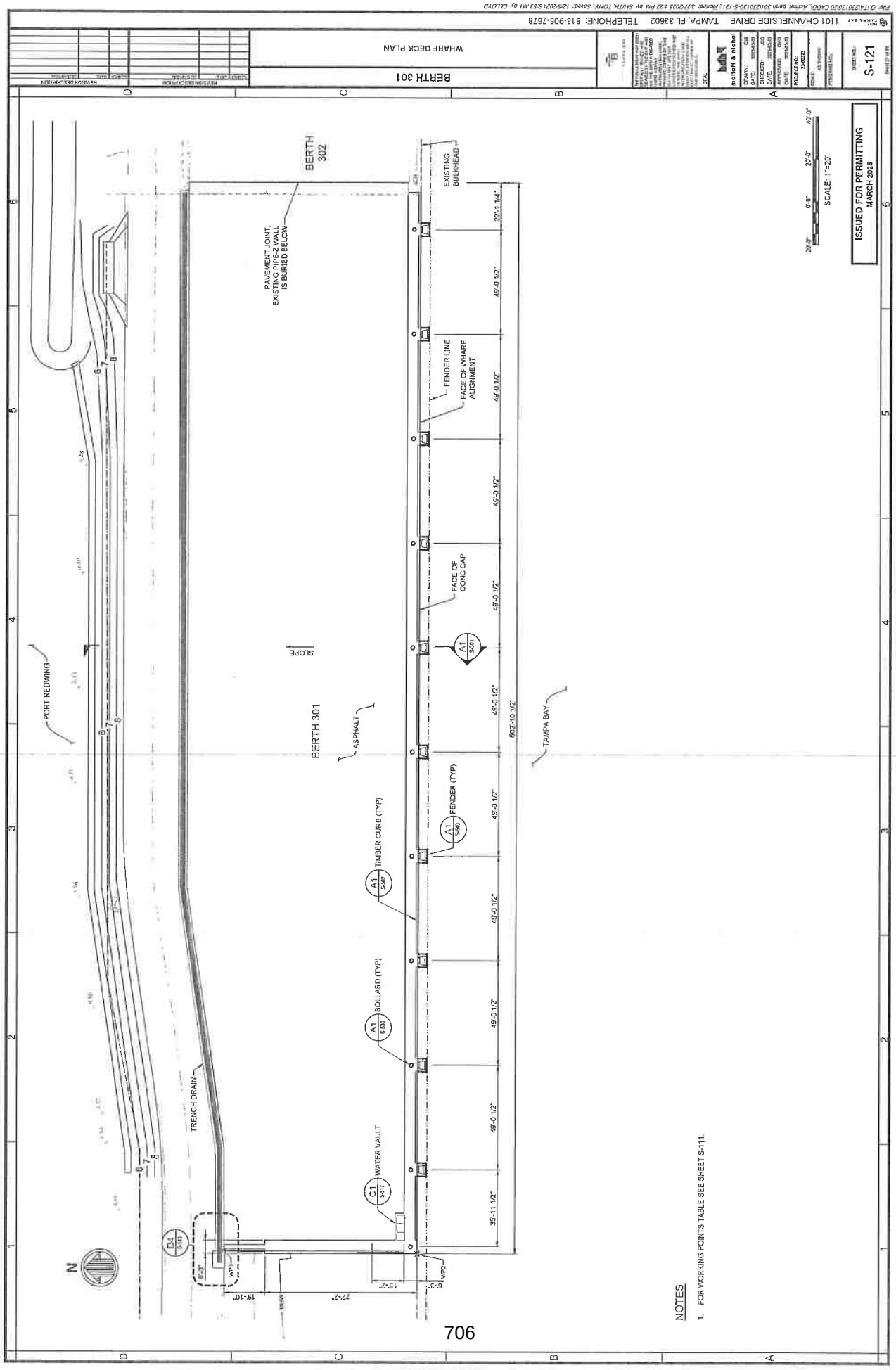
BERTH 301
WHARF PILE PLAN

moffatt & nichol
TAMPA, FL 33602 TELEPHONE: 813-905-7618
1101 CHANNELSIDE DRIVE

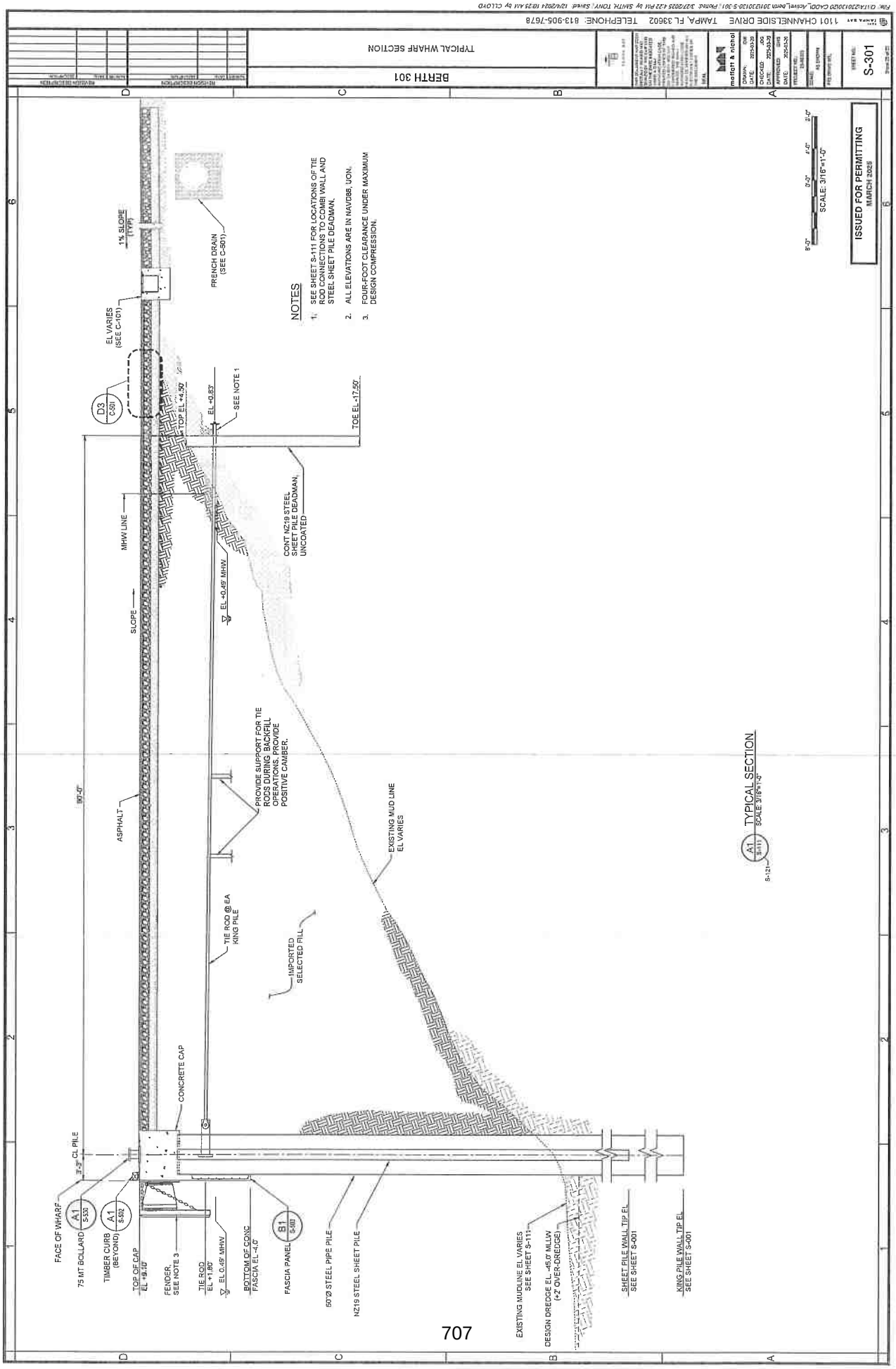
DRAWN: CW DATE: 2025-03-28
CHECKED: KG DATE: 2025-03-28
APPROVED: GWS DATE: 2025-03-28
PROJECT NO.: 2340333
SCALE: AS SHOWN
EXISTING NO.:
SHEET NO.: S-111

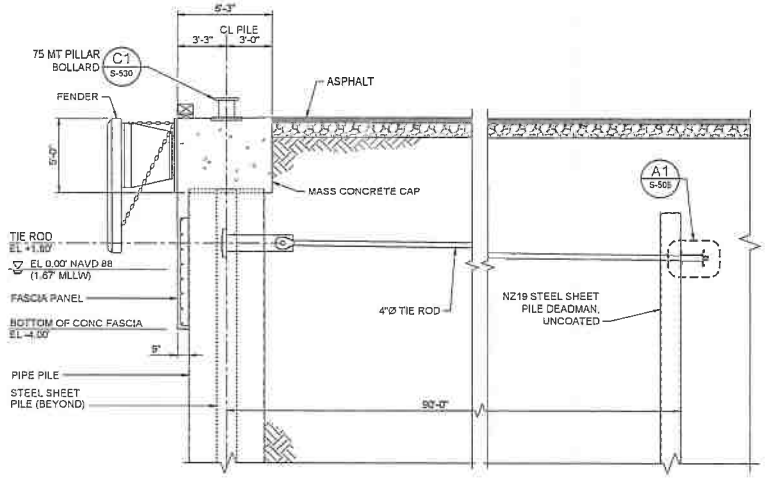
File: C:\TA\2023\2026 CADD_Active_Berth 301\2023026-S-111 Plotted: 3/27/2025 4:21 PM by SMITH, TONY - Saved: 2/13/2025 8:45 AM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

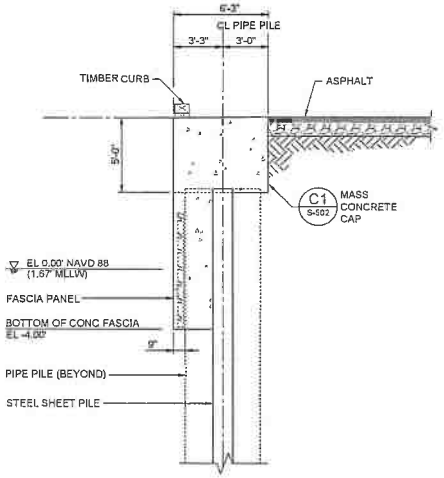


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

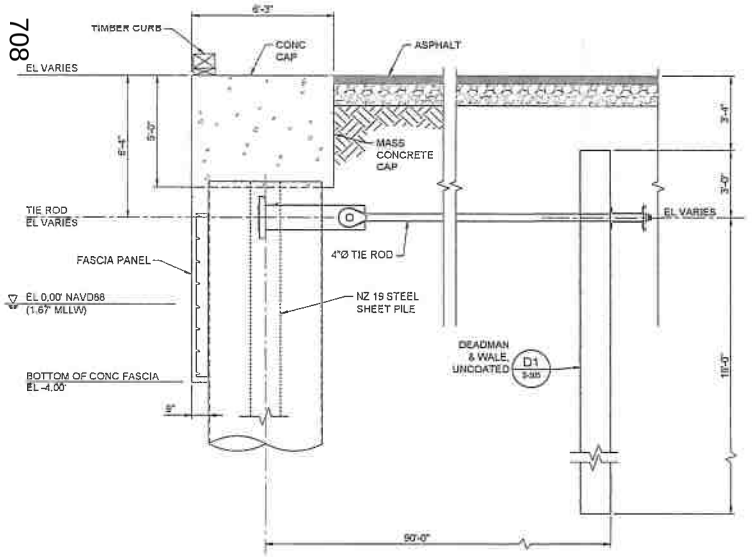




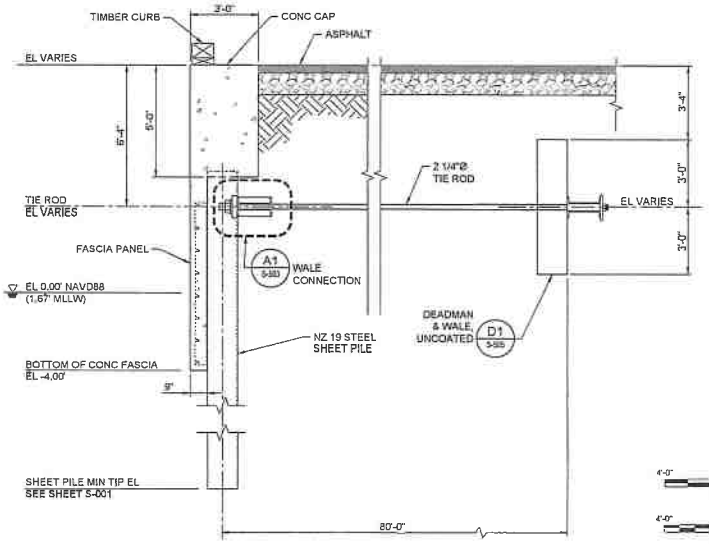
C1 SECTION AT PIPE PILE
SCALE: 1/4" = 1'-0"
S-111



C4 SECTION AT SSP
SCALE: 1/4" = 1'-0"
S-111



A1 SECTION - RETURN WALL AT KING PILE
SCALE: 3/8" = 1'-0"
S-111



A4 SECTION - RETURN WALL AT SSP
SCALE: 3/8" = 1'-0"
S-111

4'-0" 0'-0" 2'-0" 4'-0"
SCALE: 3/8"=1'-0"

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

708

BERTH 301
ENLARGED WHARF SECTIONS

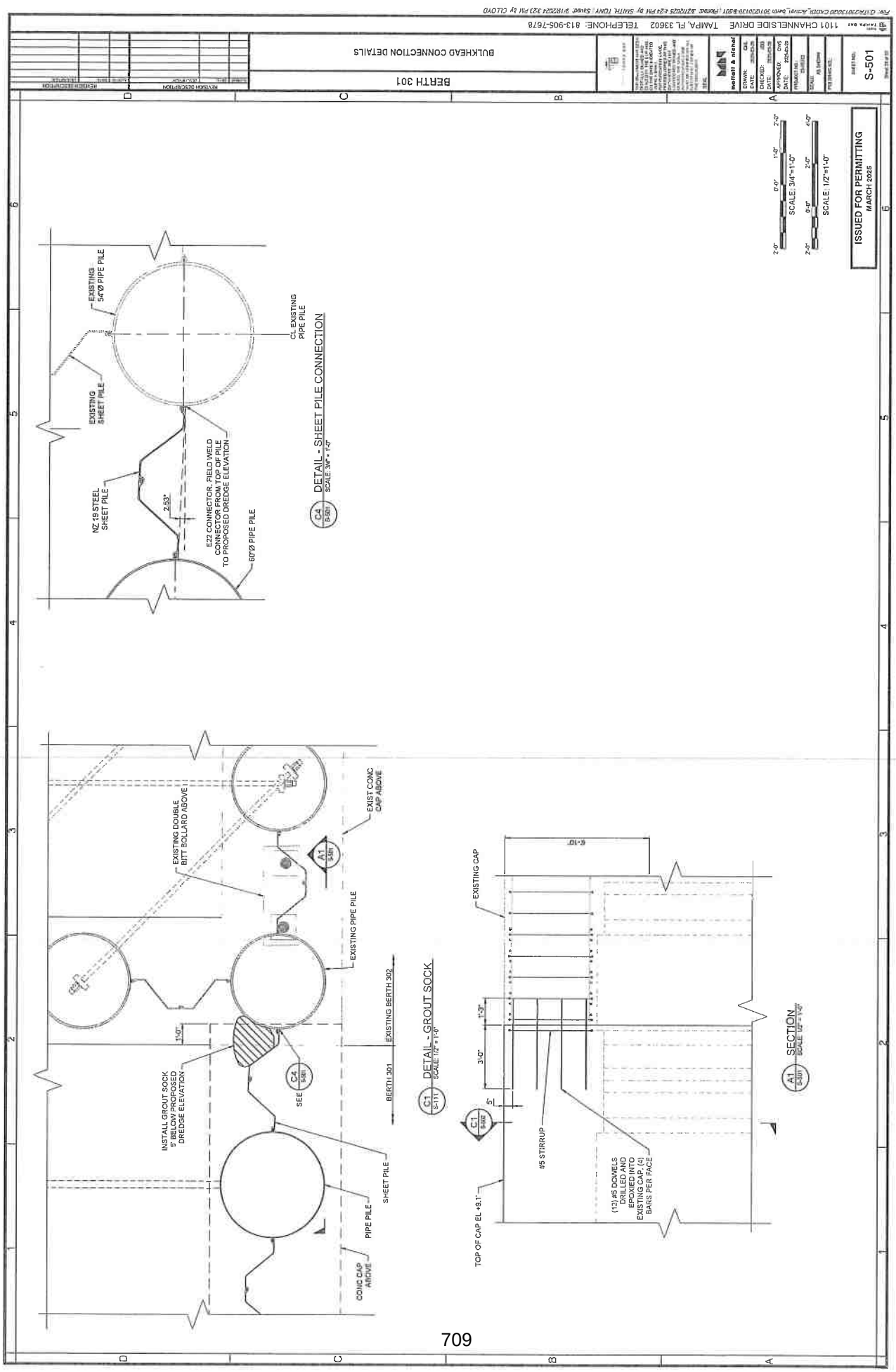
moffatt & nichol
DRAWN: AYE
DATE: 2025-03-28
CHECKED: JDG
DATE: 2025-03-28
APPROVED: SWE
DATE: 2025-03-28
PROJECT NO: 22-0522
SCALE: AS SHOWN
PTB DRWG NO.:
SHEET NO: S-401
Sheet 29 of 52

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: D:\TA\2301\3\20\3-401_Active_Berth 301\2301\3-401.rvt Plotted: 3/27/2025 1:23 PM by SMITH, TONY; Saved: 3/20/2025 4:11 PM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

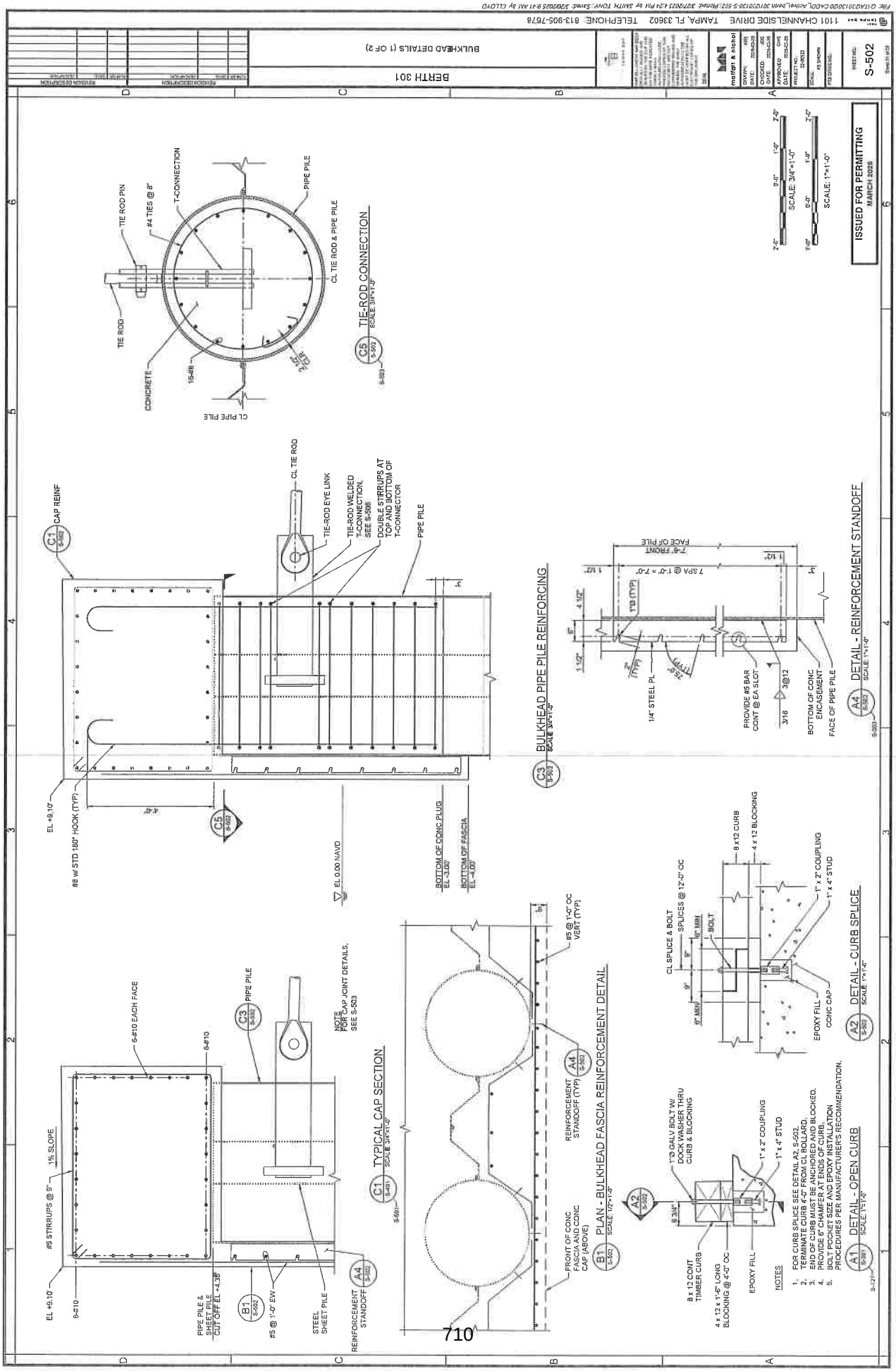


C4 DETAIL - SHEET PILE CONNECTION
SCALE: 3/4" = 1'-0"

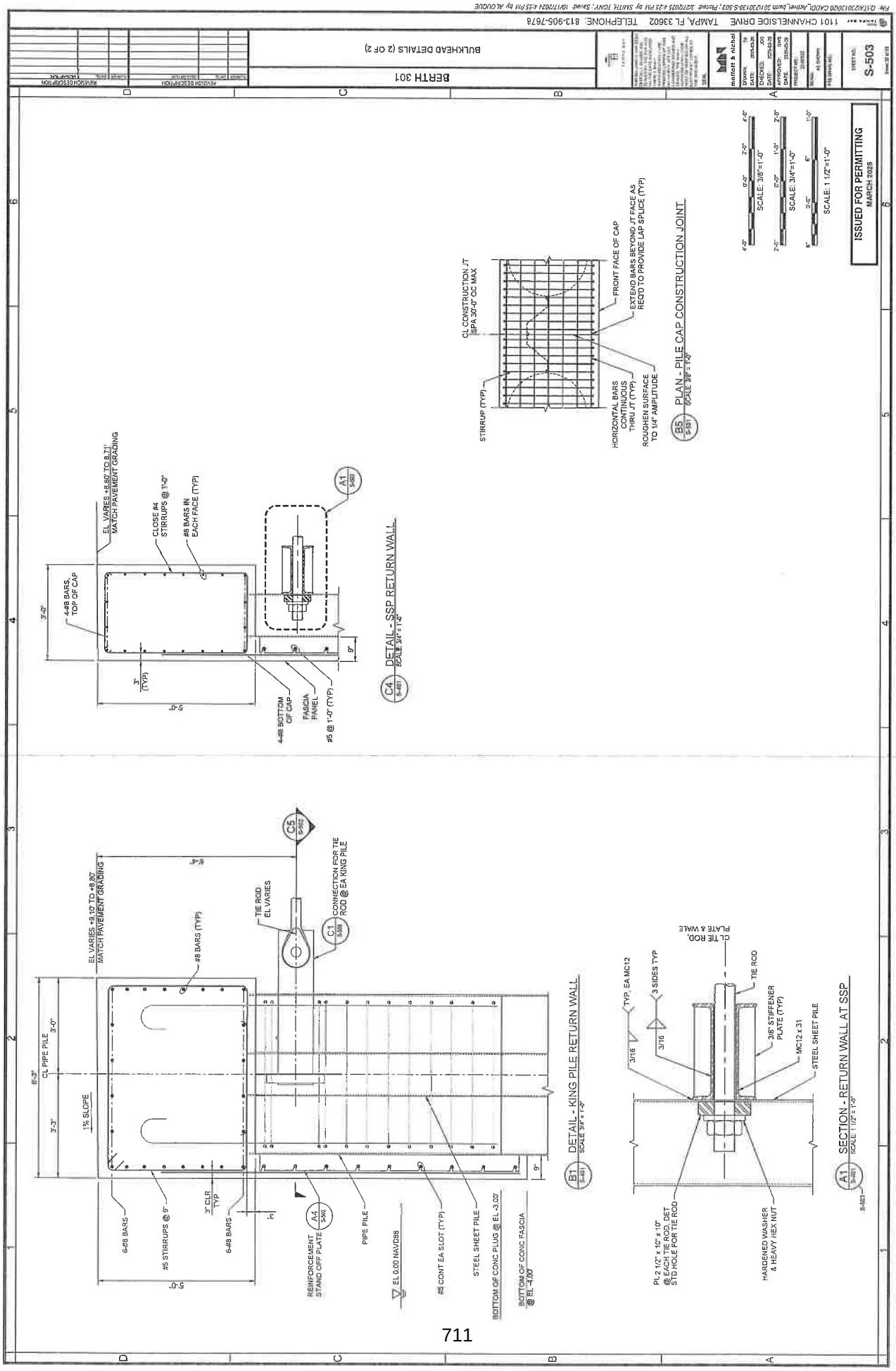
C1 DETAIL - GROUT SOCK
SCALE: 1/2" = 1'-0"

A1 SECTION
SCALE: 1/2" = 1'-0"

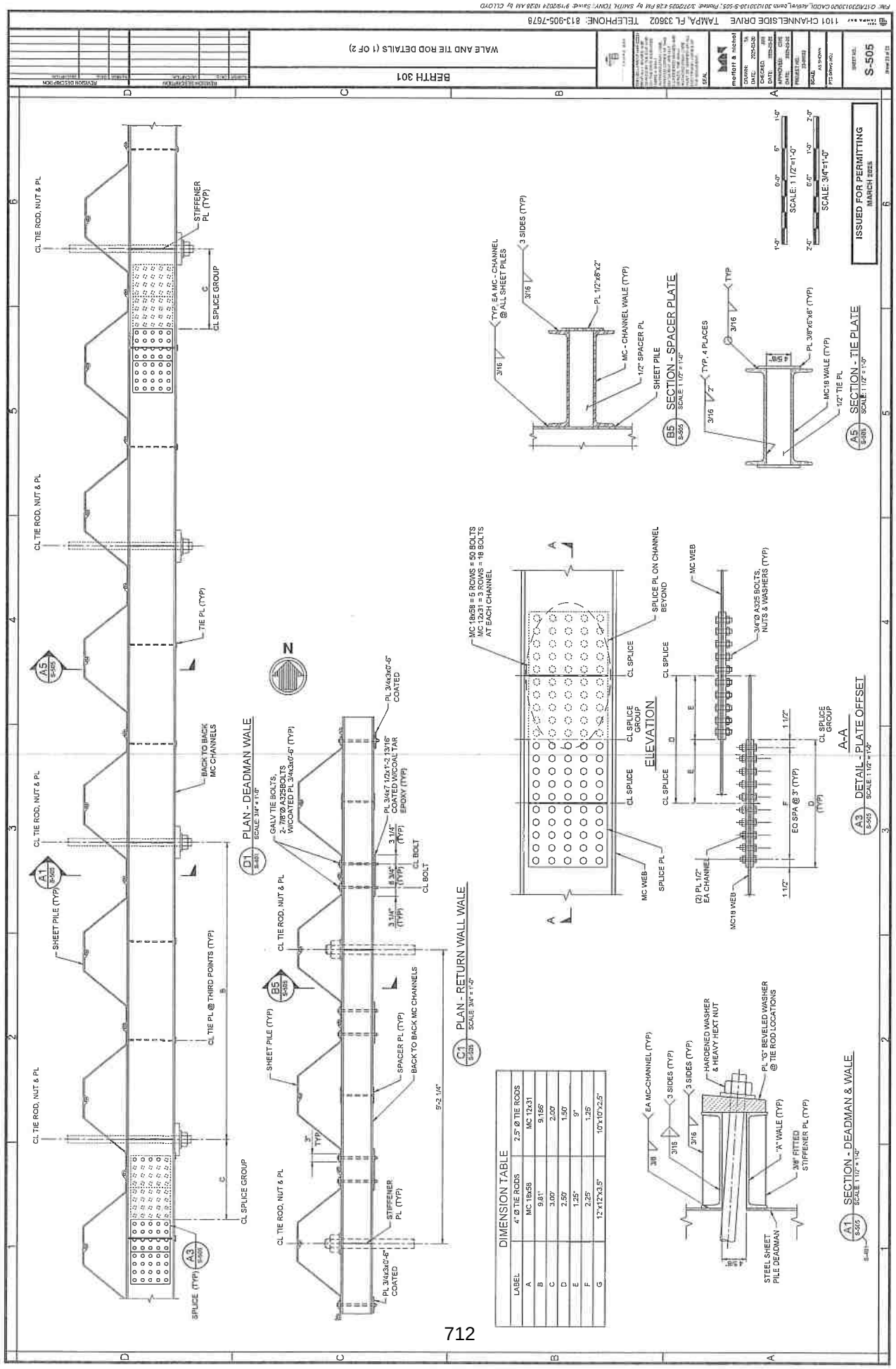
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

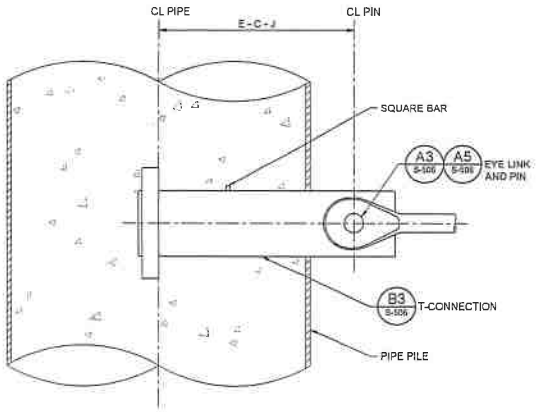


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

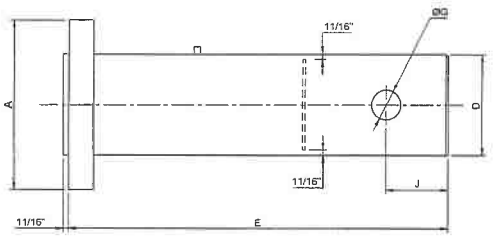


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

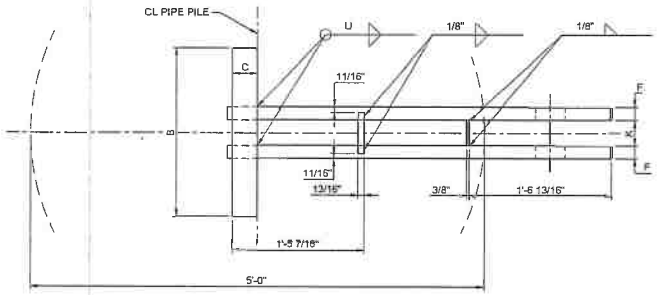




C1 S-503 DETAIL - T-PLATE CONNECTION WITH PIN
SCALE: 1" = 1'-0"



ELEVATION



PLAN

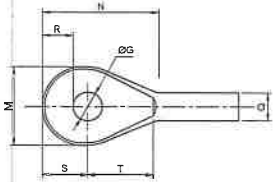
B3 S-506 DETAIL - T-CONNECTION
SCALE: 1 1/2" = 1'-0"

NOTES

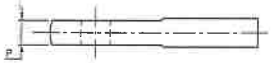
1. HOT DIP GALVANIZE T-CONNECTIONS AFTER FABRICATION.
2. FABRICATION OF T-CONNECTIONS MUST BE OBSERVED BY A CERTIFIED WELD INSPECTOR AFTER FABRICATIONS. THE INSPECTOR MUST PERFORM A VISUAL INSPECTION AND MAGNETIC PARTICLE TEST ON EACH WELD. ALL DEFECTIVE WELDS MUST BE CORRECTED.

DIMENSION TABLE	
LABEL	4" DIA TIE RODS
FORGED EYE*	M105 / 95
A	18.5"
B	18.5"
C	2.75"
D	11"
E	57.75"
F	1.375"
G	4.065"
H	3.94"
J	6"
K	3.25"
L	7.03"
M	10.04"
N	13.07"
P	3.15"
Q	3.75"
R	2.99"
S	5.02"
T	8.05"
U	1/2"

* ANKER SCHROEDER ASDO [EN1993-5] OR APPROVED EQUAL

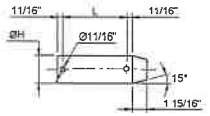


ELEVATION



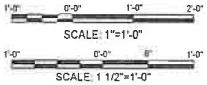
PLAN

A3 S-506 DETAIL - TYPICAL EYE LINK
SCALE: 1 1/2" = 1'-0"



A5 S-506 DETAIL - TYPICAL PIN
SCALE: 1 1/2" = 1'-0"

NOTE: PIN MUST BE FABRICATED FROM MATERIAL CONFORMING TO AISI 4340



ISSUED FOR PERMITTING
MARCH 2025

REVISION DESCRIPTION

BERTH 301
WALE AND TIE ROD DETAILS (2 OF 2)

SEAL

moffatt & nichol
DRAWN: TA DATE: 2025-03-20
CHECKED: JDS DATE: 2025-03-20
APPROVED: DWS DATE: 2025-03-20
PROJECT NO.: 3248522
SCALE: AS SHOWN
PTB DRWG NO.:
SHEET NO.: S-506

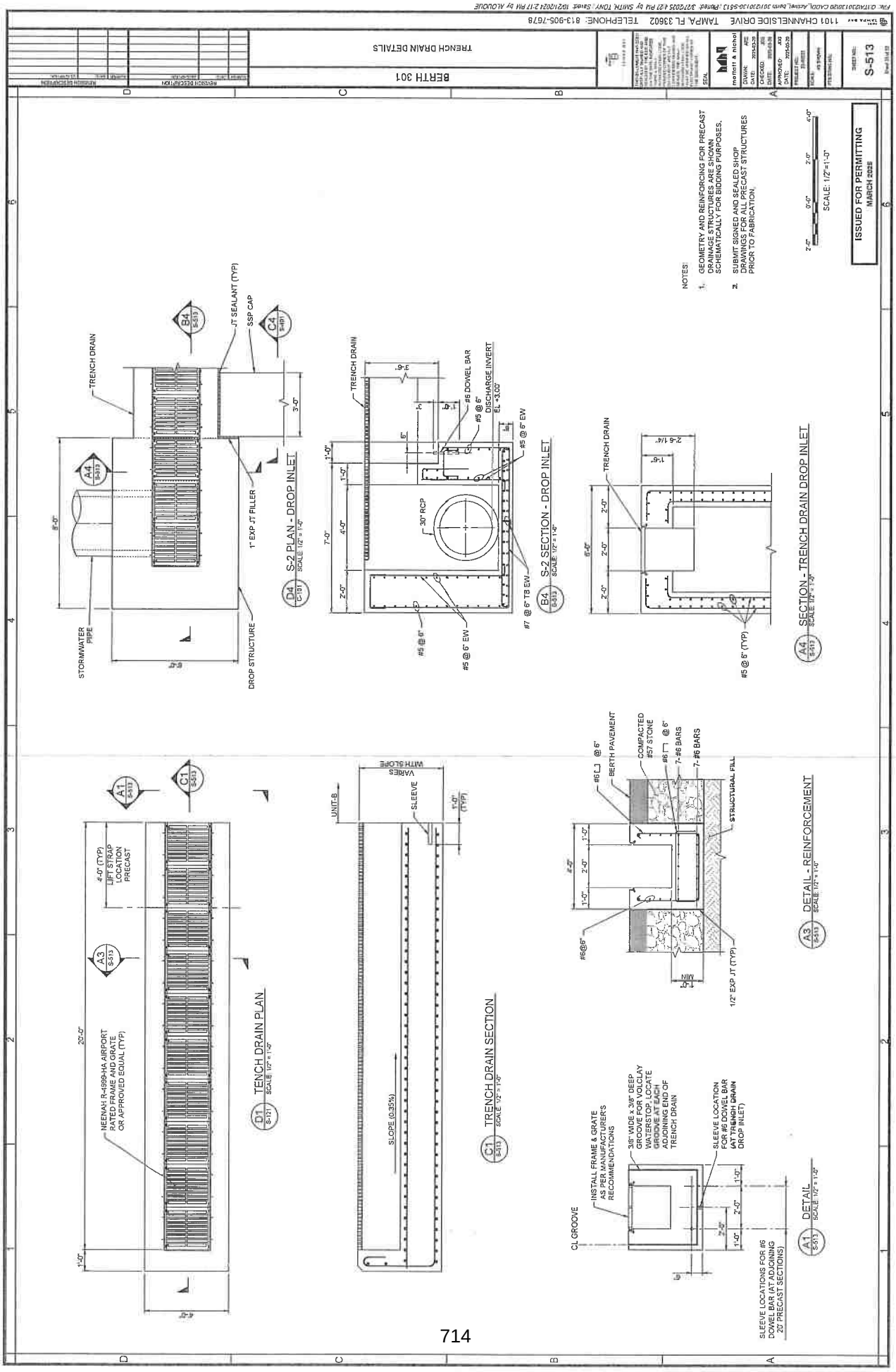
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: D:\TA\2301\3028 CADD_Active_berth 301\301\3S-506_Plotted: 3/27/2025 4:39 PM by SMITH, TONY Saved: 2/12/2025 1:38 PM by CLLOYD

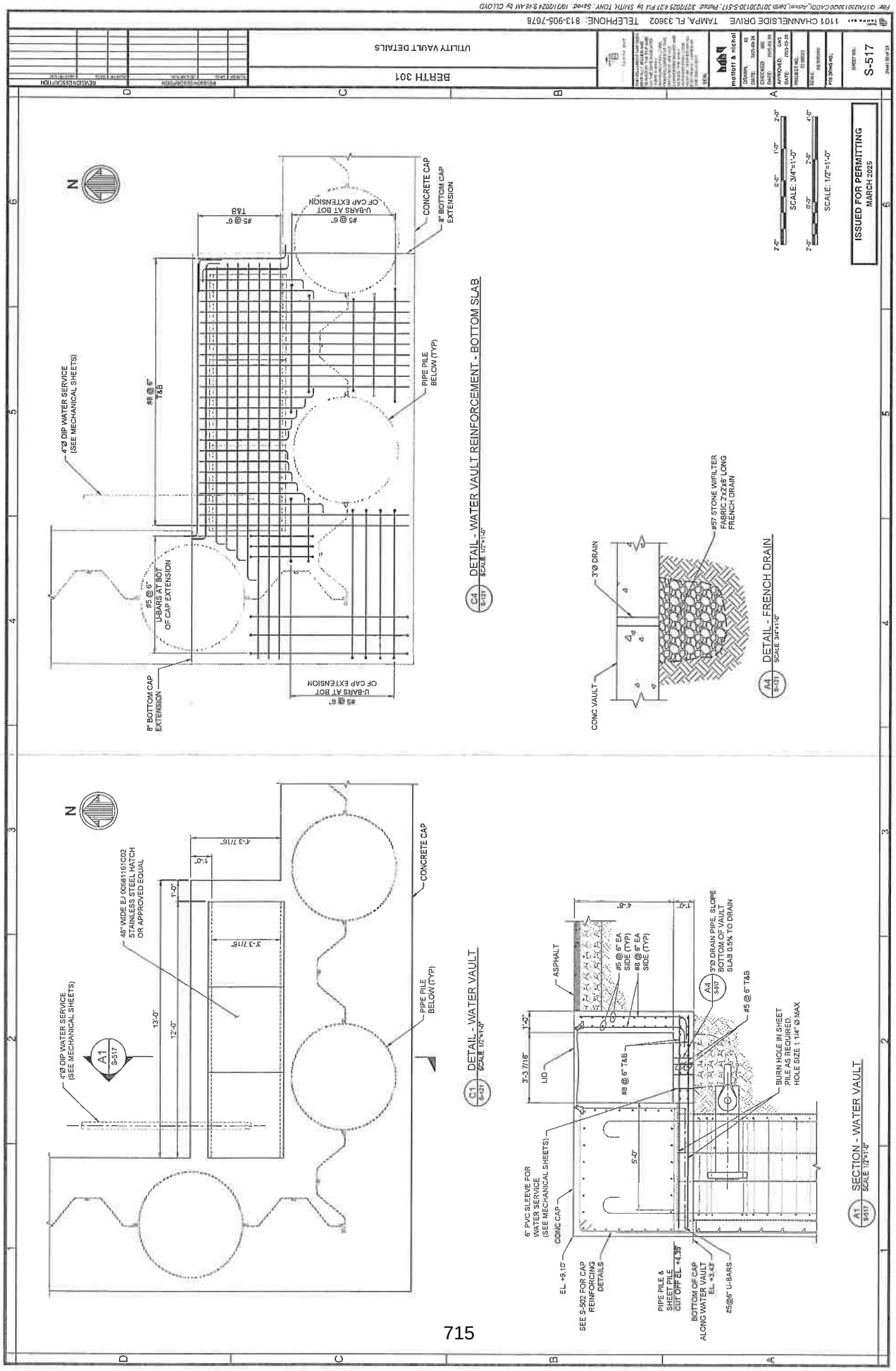
713

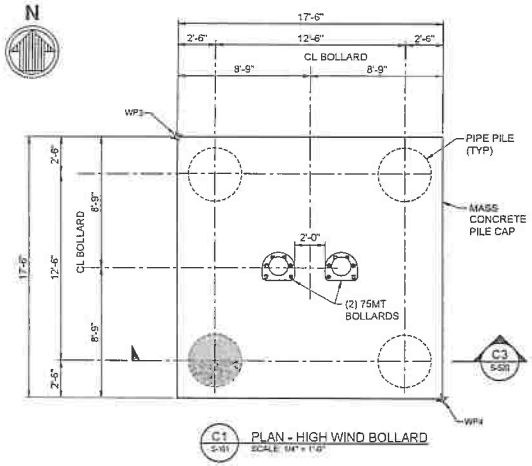
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

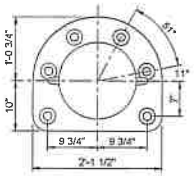


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

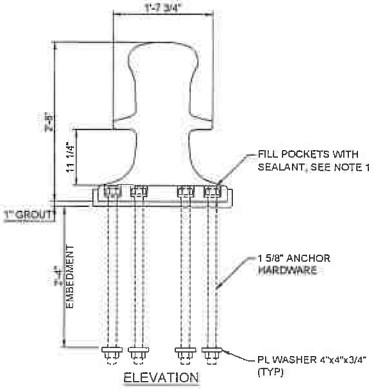




C1 S-101 PLAN - HIGH WIND BOLLARD
SCALE: 1/4" = 1'-0"

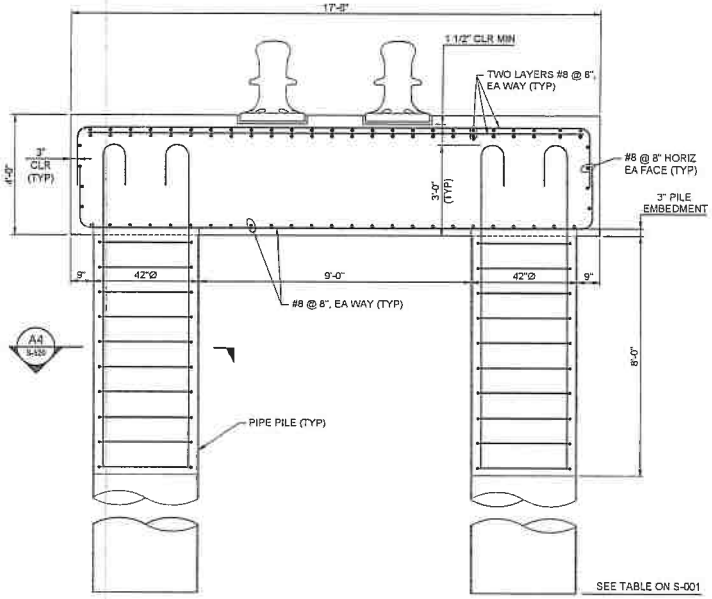


PLAN

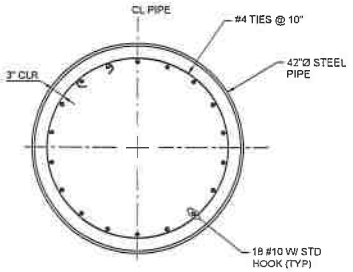


ELEVATION

A1 S-520 DETAIL - 75MT BOLLARD
SCALE: 1" = 1'-0"



C3 S-520 DETAIL - HIGH WIND BOLLARD REINFORCEMENT
SCALE: 1/2" = 1'-0"



A4 S-520 SECTION - 42 INCH DIAMETER STEEL PIPE PILE PLUG
SCALE: 1" = 1'-0"

NOTES

1. SEALANT MUST CONFORM TO ASTM C920 TYPE M, GR P, CLASS 25, USE T POLY ELASTOMERIC SEALANT.
2. BOLLARD EMBEDMENT LENGTHS SHOWN ARE MINIMUMS. BOLLARD MANUFACTURER TO PROVIDE EMBEDMENT LENGTHS BASED ON THEIR DESIGN OF THE CONNECTION. ACTUAL LENGTH MAY BE LONGER THAN INDICATED.
3. FILL BOLLARDS WITH NON-SHRINK GROUT AFTER INSTALLATION.
4. FOR WORKING POINTS TABLE SEE SHEET S-111.

LEGEND

TEST PILE LOCATION

SCALE: 1/4"=1'-0"

SCALE: 1"=1'-0"

SCALE: 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
HIGH WIND BOLLARD DETAILS

moffatt & nichol
DRAWN: ARB DATE: 2025-03-20
CHECKED: JSG DATE: 2025-03-20
APPROVED: RWS DATE: 2025-03-20
PROJECT NO: 22-00572
SCALE: AS SHOWN
PTI DRAWING NO.:

SHEET NO.: S-520

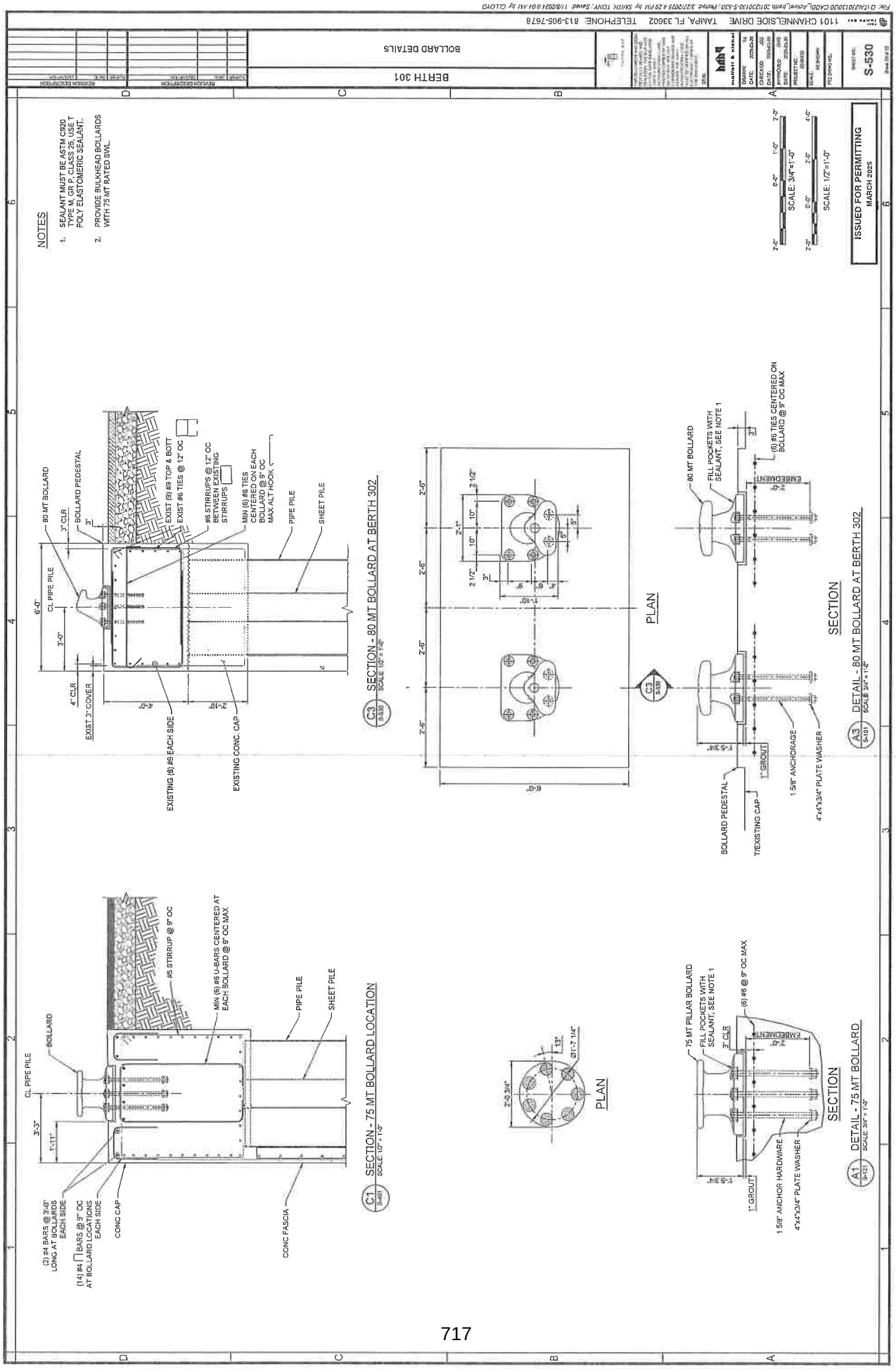
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

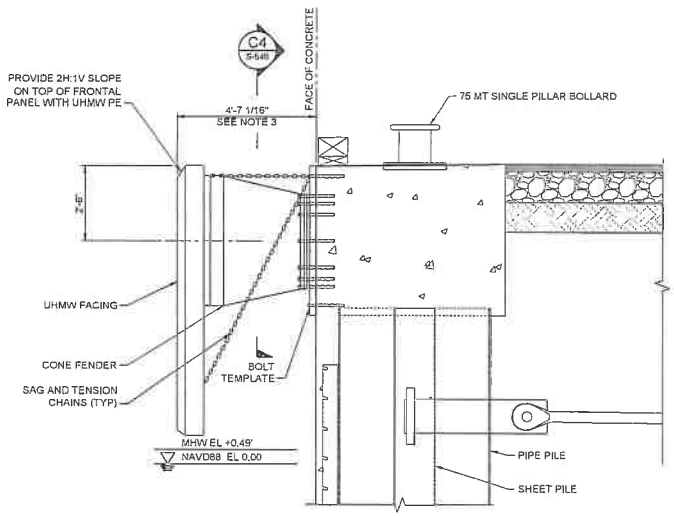
File: D:\TAZ\22\00572\000 CADD_Active_Berth 301\22\00572-S-520.rvt Printed: 3/27/2025 4:12 PM by SMITH, TONY Saved: 3/26/2025 4:12 PM by CLLOYD

716

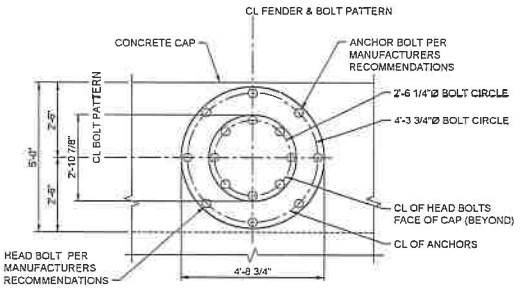
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

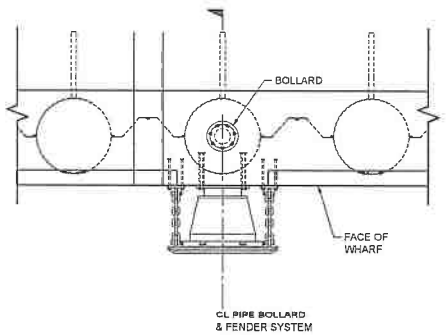




C1 S-540 FENDER SECTION
SCALE: 1/2" = 1'-0"



C4 S-540 BOLT TEMPLATE
SCALE: 1/2" = 1'-0"



C1 S-540

A1 S-121 FENDER PLAN
SCALE: 1/4" = 1'-0"

NOTES

1. MANUFACTURER MUST PROVIDE DESIGN AND SHOP DRAWINGS FOR ATTACHMENT HARDWARE, INCLUDING SPOOL PIECE, PAD EYES AND CHAINS FOR APPROVAL.
2. BOTTOM OF FRONTAL FRAME TO BE ABOVE WATER, EXCEPT DURING AN EXTREME EVENT. REFER TO GENERAL NOTES FOR TIDAL DATUM.
3. DESIGN UNCOMPRESSED FENDER OFFSET MUST MATCH OFFSET OF FENDERS AT BERTH 302.
4. FENDERS MUST BE CONE TYPE AND HAVE A MINIMUM ENERGY ABSORPTION OF 388 FT-KIPS AND A MAXIMUM REACTION OF 230 KIPS.
5. FENDER RUBBER TO BE A TRELLEBORG SCN 930 GR F3.0 OR APPROVED EQUIVALENT.
6. FRONTAL FRAME TO BE SIZED SUCH THAT THE HULL PRESSURES ARE IN ACCORDANCE WITH THE PIANC RECOMMENDED PRESSURES FOR BULK CARRIERS OF LESS THAN 4,175 PSF.

4'-0" 0'-0" 4'-0" 8'-0"
SCALE: 1/4"=1'-0"

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
FENDER DETAILS

moffatt & nichol
DRAWN: TS
DATE: 2025-03-20
CHECKED: JDG
DATE: 2025-03-20
APPROVED: GHS
DATE: 2025-03-20
PROJECT NO.: 22-00522
SCALE: AS SHOWN
FTB DRAWING NO.:
SHEET NO.: S-540

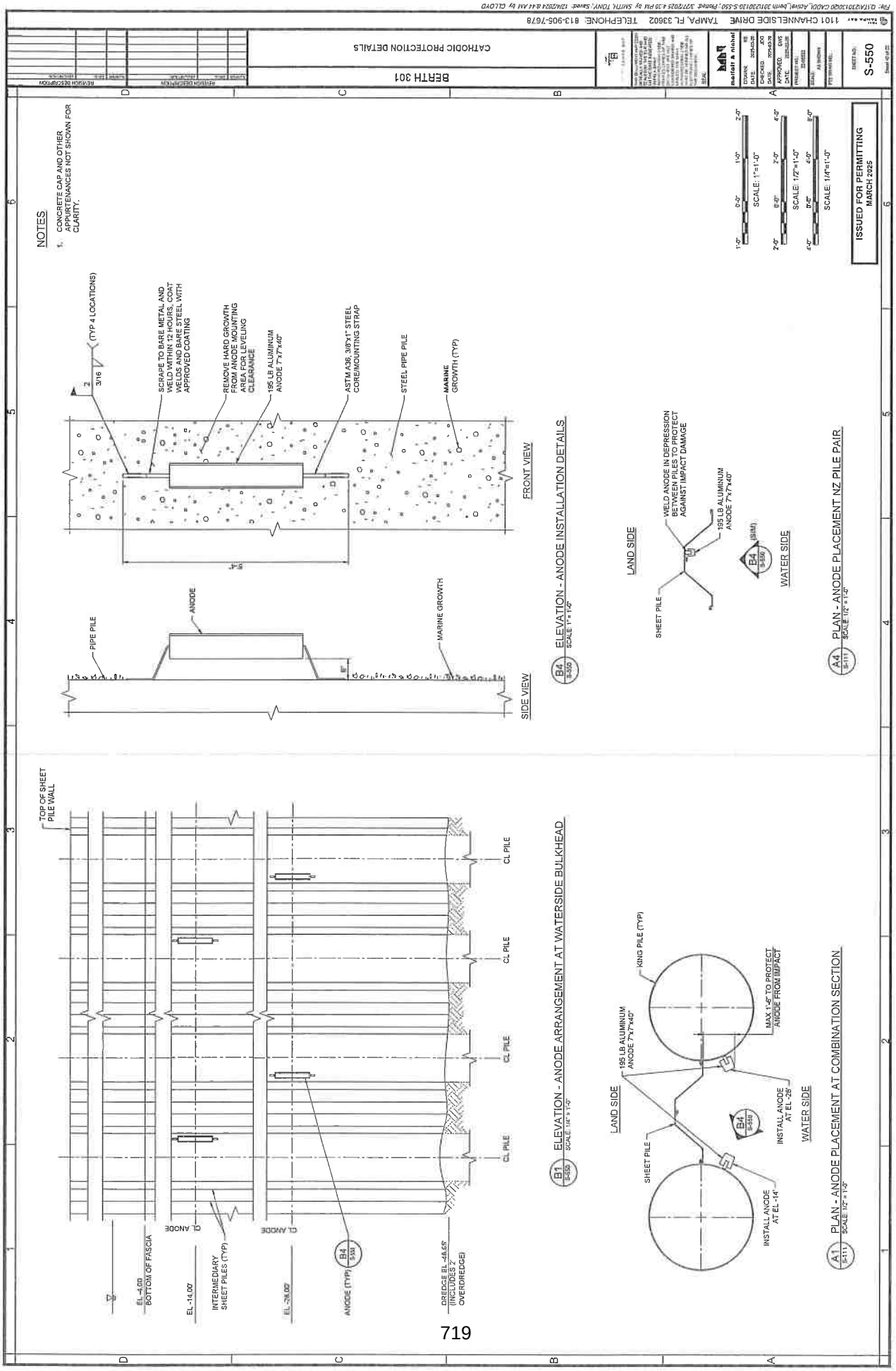
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: Q:\TAD\2022\0020 CA\02_Active_Berth 301\02\05-540 - Plotted: 3/27/2025 4:39 PM by SMITH, TONY, Saved: 8/13/2024 11:17 AM by CLLOYD

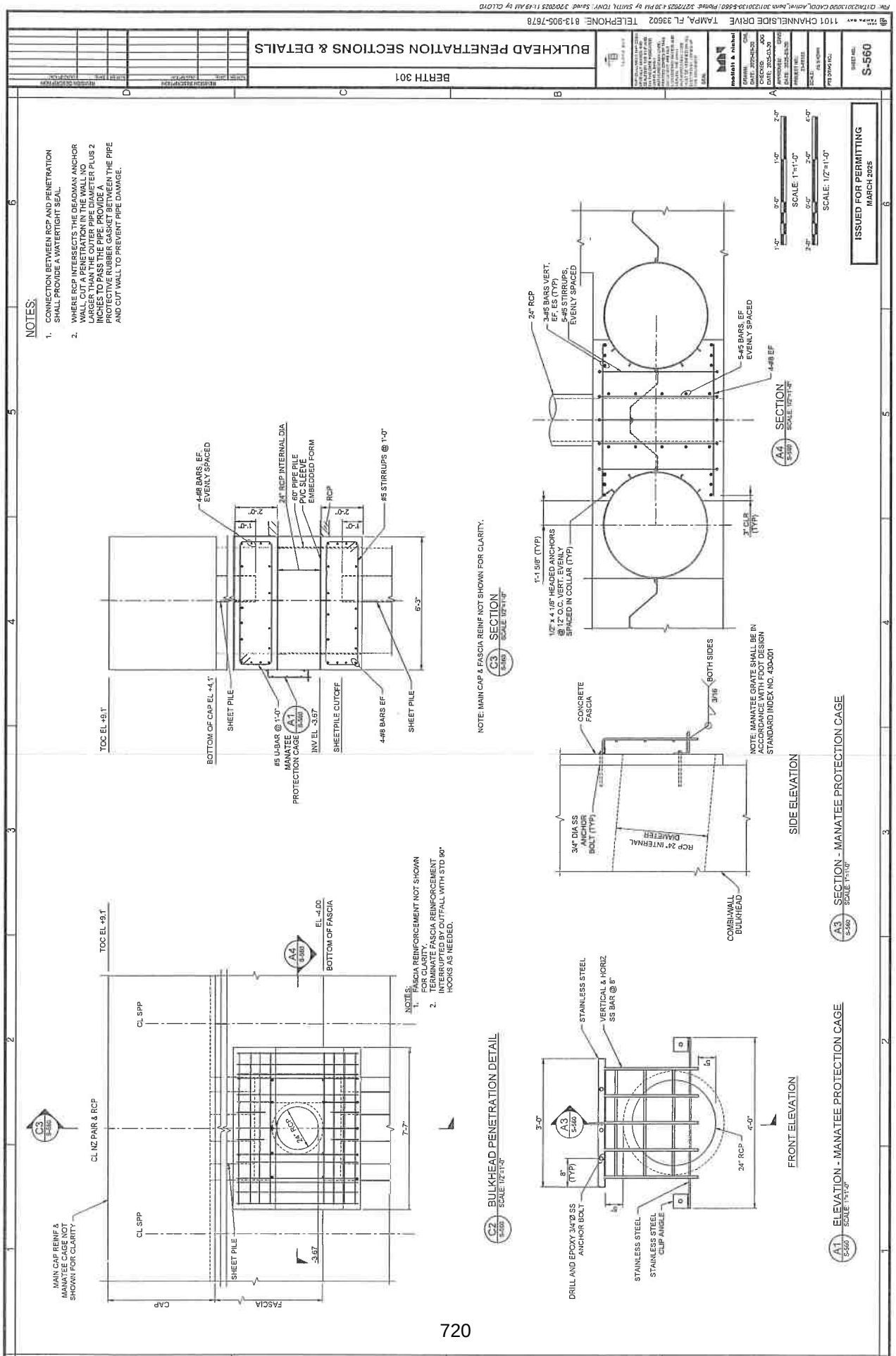
718

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

MECHANICAL ABBREVIATIONS

ADAP	ACCESS DOOR/ACCESS PANEL
AG	ABOVE GRADE
APPROX	APPROXIMATELY
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWS	AMERICAN WELDING SOCIETY
BFP	BACK FLOW PREVENTER
BOP	BOTTOM OF PIPE
BV	BALL VALVE
℄	CENTERLINE
CHV	CHECK VALVE
CI	CAST IRON
CONC	CONCENTRIC
CONT	CONTINUATION
CS	CARBON STEEL
Cu	COPPER
DEPT	DEPARTMENT
DI	DUCTILE IRON
DIA, Ø	DIAMETER
DN	DOWN
DWGS	DRAWINGS
EA	EACH
ECC	ECCENTRIC
EL	ELEVATION
ELECT	ELECTRICAL
ELL	ELBOW
EMBED	EMBEDMENT
EXIST. (E)	EXISTING
EXP	EXPANSION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FRP	FIBERGLASS REINFORCED PIPE
FT	FEET
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GV	GATE VALVE
IN	INCHES
INT	INTERIOR
INV/IE	INVERT ELEVATION
MAX	MAXIMUM
MIN	MINIMUM
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PE	POLYETHYLENE
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE
PW	POTABLE WATER
RED	REDUCER
SCH	SCHEDULE
SS	STAINLESS STEEL
STL	STEEL
STR	STRAINER
TOP	TOP OF PIPE
TPA	TAMPA PORT AUTHORITY
TYP	TYPICAL
U	UNION
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
W/	WITH

MECHANICAL LEGEND

- —— W —— WATER LINE
- —— W —— EXIST. WATER LINE
- FIRE HYDRANT
- TEE FITTING
- GATE VALVE

GENERAL MECHANICAL NOTES

1. ALL POTABLE WATER FACILITIES ARE OWNED AND OPERATED BY PORT TAMPA BAY (PTB). THESE FACILITIES MUST BE CONSTRUCTED PER STANDARD DRAWINGS AND PROVISIONS OF THE PTB, HILLSBOROUGH COUNTY PUBLIC UTILITIES TECHNICAL MANUALS, HILLSBOROUGH COUNTY HEALTH DEPARTMENT, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OSHA REGULATIONS, FDOT, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS WELL AS APPLICABLE PLUMBING CODES.
2. PTB MUST BE NOTIFIED IN WRITING OF CONFLICTS BETWEEN STANDARDS, PROVISIONS, DRAWINGS OR SPECIFICATIONS AND MUST MAKE THE FINAL RESOLUTION.
3. CONTRACTOR TO INSPECT MATERIAL USED TO CONSTRUCT THE PROJECT. MATERIAL NOT MEETING THE REQUIREMENTS HEREIN MUST BE REJECTED. ALL MATERIAL MUST BE NEW.
4. CONTRACTOR MUST TAKE CARE TO PRESERVE ALL NEW AND TO REMAIN EXISTING UTILITIES IN THE PROJECT WORK AREA. CONTRACTOR MUST REPAIR, RELOCATE OR REPLACE ALL UTILITIES DAMAGED DURING EXCAVATION OR OTHER WORK OF THIS PROJECT. UTILITY RELOCATIONS MUST COMPLY WITH CITY OF TAMPA DEVELOPMENT REGULATIONS. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK MUST BE CORRECTED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
5. COORDINATE ALL TRENCHING AND EXCAVATIONS WITH GENERAL CONTRACTOR.
6. EXCAVATIONS, SUBSURFACE PREPARATIONS, BEDDING, FILL MATERIAL REQUIREMENTS, COMPACTION, GRADING AND PAVING, AND INSPECTION SCHEDULING MUST BE AS NOTED IN CIVIL "C" DRAWINGS AND THE PROJECT SPECIFICATIONS.
7. IF THE CONTRACTOR PROPOSES AND/OR INSTALLS ALTERNATE EQUIPMENT OR SYSTEMS, IT MUST BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL OF THE ENGINEER & ALL OTHER ADMINISTRATIVE AUTHORITIES. APPROVALS FOR ALTERNATES OR SUBSTITUTIONS MUST BE OBTAINED FROM TPA/ENGINEER PRIOR TO PURCHASE & INSTALLATION OF SUCH EQUIPMENT OR SYSTEMS.
8. THE BULKHEAD STRUCTURE, INDICATED ON THE MECHANICAL DRAWINGS, IS FOR REFERENCE ONLY. SEE STRUCTURAL DRAWINGS FOR INFORMATION REGARDING THE BULKHEAD STRUCTURE.
9. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE INTEGRITY OF THE SYSTEMS. CONTRACTOR MUST PROVIDE OWNER WITH OPERATION AND MAINTENANCE INFORMATION FROM EQUIPMENT MANUFACTURER.
10. THE CONTRACTOR MUST VERIFY ALL EXISTING UTILITY LOCATIONS IN THE FIELD BEFORE STARTING WORK. THE REGIONAL NOTIFICATION CENTER (SUNSHINE 811 AT 811) MUST BE NOTIFIED 48 HOURS PRIOR TO THE START OF DIGGING OR EXCAVATION WORK IN ACCORDANCE WITH OSHA REGULATIONS. THE CONTRACTOR MUST FIELD VERIFY THE POINT OF CONNECTION. LOCATIONS OF VAULTS, PIPING AND APPURTENANT FITTINGS SHOWN ON THE PLANS (DRAWINGS) ARE APPROXIMATE. IT IS INTENDED THAT SUCH ITEMS BE LOCATED BASED ON EXACT LOCATIONS DETERMINED IN THE FIELD AND THE SUPPLIED MATERIALS. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND INFORMATION INDICATED ON THE PLANS PRIOR TO COMMENCING WITH CONSTRUCTION.
11. SCHEDULING, TRENCHING, LINE SHUTDOWN, DRAINAGE, TIE-IN, PIPE BEDDING, INSTALLATION OF NEW LINE, THRUST BLOCK PLACEMENTS, PRESSURE TESTING, DISINFECTION, FLUSHING, BACKFILL, RESURFACING, REACTIVATION OF SERVICE, ETC., MUST COMPLY WITH PTB AND HILLSBOROUGH COUNTY TECHNICAL MANUAL AND MUST BE COORDINATED WITH PTB WATER DEPARTMENT. PRIOR APPROVAL OF AND NOTICE TO PROCEED WITH THE TIE-INS ARE REQUIRED BY PTB WATER DEPARTMENT. AUTHORIZED REPRESENTATIVE MUST WITNESS TIE-IN. THE CONTRACTOR MUST BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE JURISDICTIONAL GOVERNMENTAL AGENCIES AND THE ENGINEER.
12. CONTRACTOR MUST SUBMIT SHOP DRAWINGS ON ALL PRECAST, MANUFACTURED AND FABRICATED ITEMS TO THE ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE MANUFACTURE, FABRICATION AND INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
13. ALL VAULT JOINTS MUST BE SEALED WITH AN ACCEPTABLE JOINT SEALING COMPOUND REGARDLESS OF WHETHER AN O-RING GASKET IN A PREFORMED GROOVE IS USED. ALL MANHOLE COVERS AND HATCHES MUST BE TRAFFIC RATED FOR HS-20 LOADING. THE VAULT WALL SLEEVES FOR PIPING PENETRATION MUST BE SIZED TO ACCOMMODATE MECHANICAL WATER STOP, SUCH AS LINKSEAL OR APPROVED EQUAL, WHERE NOTED, OR SEALANT. CONTRACTOR MUST COORDINATE LOCATION OF VAULT WALL SLEEVES WITH THE FINAL PIPING LOCATIONS. THE COLOR OR DECAL REQUIRED ON THE PW MANHOLE COVERS AND HATCH MUST BE DETERMINED BY PTB.
14. POTABLE WATER EQUIPMENT, SUCH AS PIPING, FITTINGS, VALVES, LININGS AND COATINGS, AND JOINT RESTRAINTS MUST BE APPROVED BY THE AGENCIES REFERRED TO IN GENERAL NOTE 1 AND MUST COMPLY WITH THE HILLSBOROUGH COUNTY WATER DEPARTMENT TECHNICAL MANUAL MATERIAL SPECIFICATIONS. ALL FITTINGS MUST BE COATED AND LINED AS SPECIFIED ABOVE FOR DUCTILE IRON PIPE.
15. THE CONTRACTOR MUST MAINTAIN AND PROTECT THE POTABLE WATER SYSTEM FROM MUD, DIRT, DEBRIS, ETC. UNTIL FINAL ACCEPTANCE. THE CONTRACTOR MUST BE REQUIRED TO CLEAN THE INTERIOR OF THE PIPE PRIOR TO HYDROTESTING.
16. THE POTABLE WATER SYSTEM MUST BE PRESSURE TESTED DOWNSTREAM OF THE POC. APPLY AND MAINTAIN THE TEST PRESSURE FOR THE DURATION IN ACCORDANCE WITH THE HILLSBOROUGH COUNTY PUBLIC UTILITIES TECHNICAL MANUALS, DURING WHICH TIME THERE WILL BE NO REDUCTION IN TEST PRESSURE - SHOULD A REDUCTION OCCUR, LEAKS MUST BE LOCATED, REPAIRED AND THE TEST REPEATED. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, CONNECTIONS, AND VALVES MUST REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE ENGINEER. CONTRACTOR TO NOTIFY ENGINEER AND MUNICIPALITY INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING TESTS.
17. THE POTABLE WATER SYSTEM MUST BE SANITIZED PRIOR TO SERVICE TIE-IN TO EXISTING SYSTEM. THE SANITIZING METHOD, PROCEDURES AND TESTING MUST BE APPROVED BY THE AGENCIES REFERRED TO IN GENERAL NOTE 1. THE CONTRACTOR MUST INSURE THAT THE WATER IN THE SYSTEM IS NOT USED FOR HUMAN CONSUMPTION DURING THE STERILIZATION PROCESS AND THAT STERILIZATION SOLUTION IS DISPOSED OF IN ACCORDANCE WITH LOCAL REQUIREMENTS. CONTRACTOR TO PERFORM CHLORINATION AND BACTERIOLOGICAL SAMPLING ON ENTIRE WATER SYSTEM. COPIES OF ALL BACTERIOLOGICAL TESTS TO BE SUBMITTED TO ENGINEER.
18. LOW POINTS, OR POCKETS, MUST BE AVOIDED.
19. INSTALL INSULATED UNIONS OR GASKET SETS AT POINTS OF CONNECTION BETWEEN ALL DISSIMILAR METALS.
20. ANY BURIED CHANGES OF DIRECTION MUST BE RESTRAINED, OR MUST HAVE RESTRAINED MECHANICAL JOINTS, "MEGA-LUG" OR APPROVED EQUAL.
21. ALL NON-BURIED PW VALVES, PIPE AND FITTINGS MUST HAVE RESTRAINED MECHANICAL JOINTS, "MEGA-LUG" OR APPROVED EQUAL, OR MUST BE FLANGED.
22. PIPE SUPPORTS INDICATED IN THE DRAWINGS AS BEING MADE FROM PIPING MUST BE STAINLESS STEEL. SHAPES, BARS AND PLATES MUST CONFORM TO ASTM A276. ANCHOR BOLTS AND MACHINE BOLTS MUST BE ASTM F593. ALL WELDING MUST CONFORM TO AWS D1.1. FIELD TREAT DAMAGED GALVANIZED FINISH AND EXPOSED THREADED SURFACES WITH TWO COATS OF ZINC RICH PAINT CONFORMING TO ASTM A-780.
23. THE VALVE OPERATOR HATCH AT GATE/CHECK VALVE VAULT MUST BE CENTRALLY LOCATED ABOVE THE GATE VALVE. WITHIN THE OPENING OF THE VALVE HATCH MUST BE STORED A VALVE OPERATING TOOL. THE TOOL MUST HAVE A T-HANDLE, OR SIMILAR, LONG SHAFT WRENCH FOR OPERATION OF THE VALVE ABOVE GRADE LEVEL. BOTTOM OF TOOL MUST FIT VALVE OPERATOR. HATCH DIAMETER MUST BE LARGE ENOUGH TO PULL VALVE WRENCH THROUGH. WRENCH TO BE STORED WITH EASY ACCESS ON A HOOK BELOW THE HATCH.
24. DUCTILE IRON PIPE MUST BE AS FOLLOWS: PIPE, EXCEPT FLANGED PIPE, AWWA C151/A21.51, PRESSURE CLASS 350. FLANGED PIPE, AWWA C115/A21.15. FITTINGS, AWWA C110/A21.10 OR AWWA C153/A21.53 FITTINGS WITH PUSH-ON JOINT ENDS CONFORMING TO THE SAME REQUIREMENTS AS FITTINGS WITH MECHANICAL-JOINT ENDS, EXCEPT THAT THE BELL DESIGN MUST BE MODIFIED, AS APPROVED, FOR PUSH-ON JOINT. FITTINGS MUST HAVE PRESSURE RATING AT LEAST EQUIVALENT TO THAT OF THE PIPE. MECHANICAL JOINTS IN ACCORDANCE WITH AWWA C111/A21.11.

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
MECHANICAL NOTES

SEAL

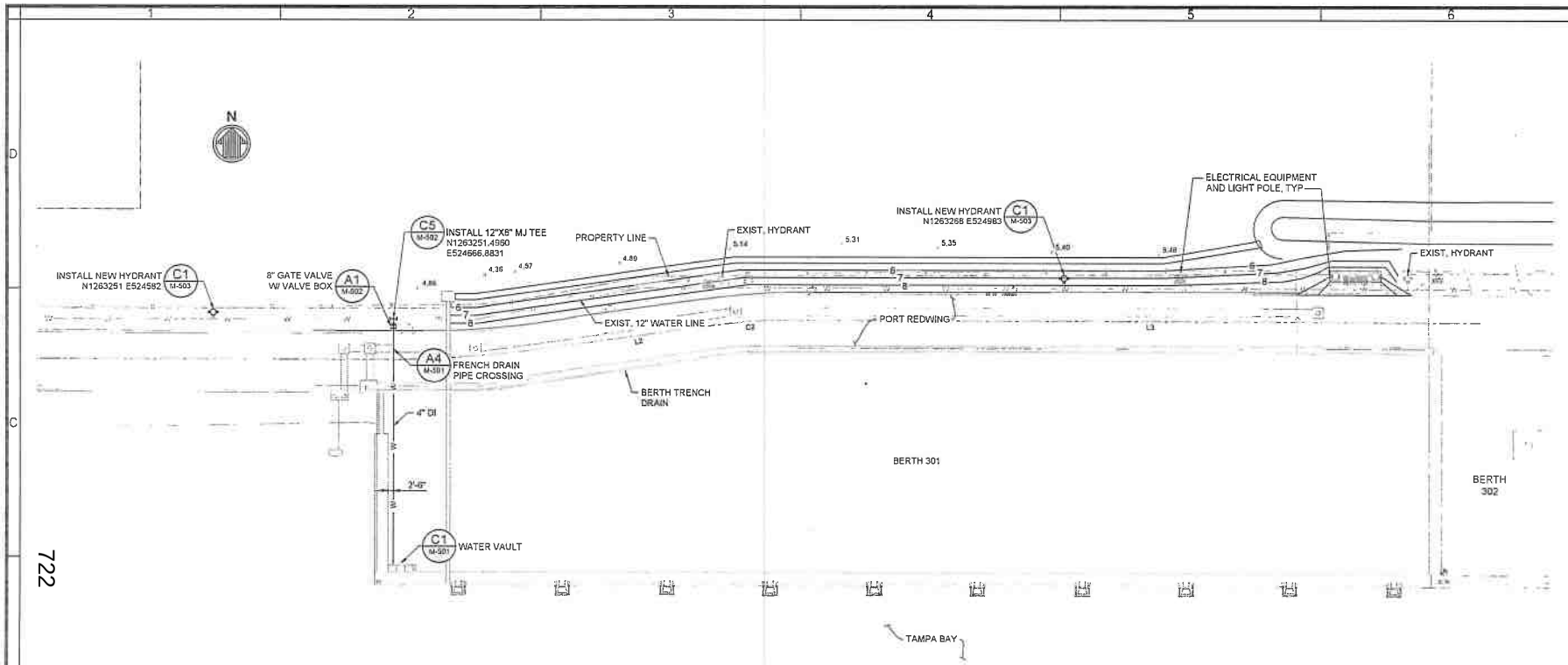
moffatt & nichol

DRAWN: KJG
DATE: 2025-03-25
CHECKED: AR
DATE: 2025-03-25
APPROVED: JDG
DATE: 2025-03-25
PROJECT NO.: 23-00221
SCALE: AS SHOWN
PTB DRAWING NO.:

SHEET NO.
M-001
Sheet 42 of 52

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: D:\TA\23\23020\CAD\L_Active_berth 301\23020BM-001 | Printed: 3/12/2025 4:39 PM by SMITH, TONY | Saved: 9/30/2024 10:53 AM by KGADDONE



722

NOTES:

1. ALL PIPING MUST FOLLOWING THE GENERAL ARRANGEMENT SHOWN. PIPING MUST BE RUN AS INDICATED, CARE BEING TAKEN TO AVOID INTERFERENCE WITH OTHER PIPING, CONDUIT, OR EQUIPMENT. THE LOCATION OF PIPING MUST BE COORDINATED WITH ELECTRICAL CONDUITS SPECIFIED.
2. WHEN TESTING, INCREASE PRESSURE IN PIPE SLOWLY TO MINIMIZE PIPE CONTORTION.
3. PIPING MUST BE DUCTILE IRON THICKNESS CLASS 350 AND MEET THE REQUIREMENTS OF ANSI/AWWA C151/A21.5.
4. ALL FIRE WATER PIPING AND APPURTENANCES MUST COMPLY WITH MATERIALS LISTED IN NFPA 24 AND 307.

LEGEND

- WATER LINE
- EXIST. WATER LINE
- FIRE HYDRANT
- TEE FITTING
- GATE VALVE

20'-0" 0'-0" 20'-0" 40'-0"

SCALE: 1"=20'

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301

MECHANICAL SITE PLAN

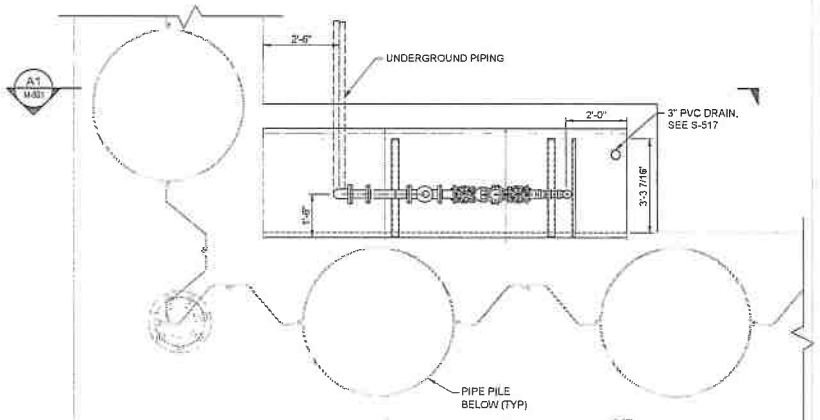
moffatt & nichol

DRAWN: KJG
DATE: 2025-03-28
CHECKED: NK
DATE: 2025-03-28
APPROVED: JDD
DATE: 2025-03-28

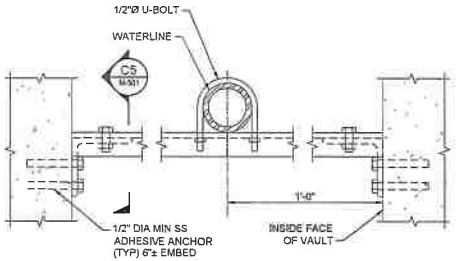
M-101

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

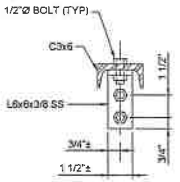


C1 M-101 DETAIL: WATER VAULT
SCALE: 1/2"=1'-0"

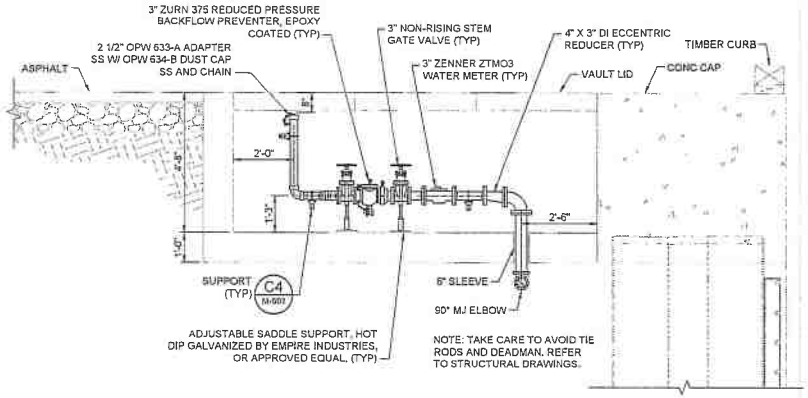


NOTE:
ALL COMPONENTS OF PIPE SUPPORT SHALL BE FABRICATED FROM 316 STAINLESS STEEL.

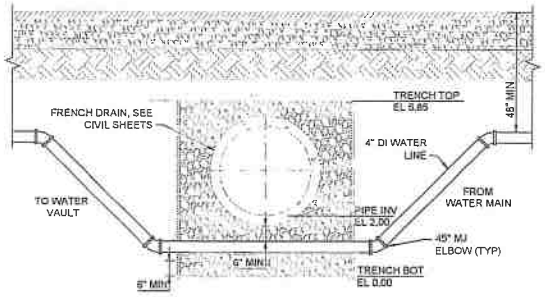
C4 M-501 PIPE SUPPORT
SCALE: 3"=1'-0"



C5 M-501 SECTION
SCALE: 3"=1'-0"



A1 M-501 SECTION: WATER VAULT
SCALE: 1/2"=1'-0"



A4 M-101 DETAIL: FRENCH DRAIN PIPE CROSSING
SCALE: 1/2"=1'-0"

723

6" 0'-0" 3" 6"
SCALE: 3"=1'-0"

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
MECHANICAL DETAILS (1 OF 3)

moffatt & nichol
DRAWN: EJG DATE: 2025-03-20
CHECKED: AR DATE: 2025-03-20
APPROVED: JSS DATE: 2025-03-20

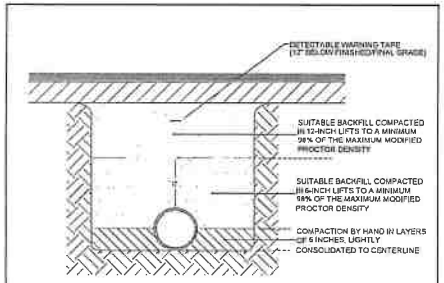
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

M-501

File: D:\P\2301\3000 CADD_Active_berth 301\2301304501 - Plotted: 12/7/2025 4:31 PM by SMITH, TONY - Saved: 11/1/2024 8:47 AM by KGADDONE

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

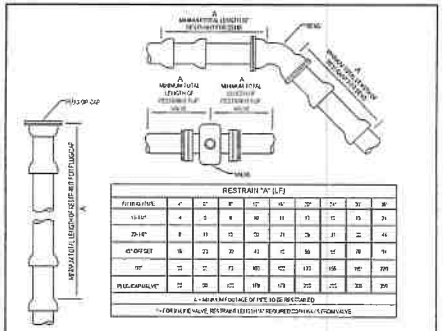


NOTES:

1. TRENCH IS DEFINED AS A FLAT-BOTTOM TRENCH. LIGHTLY CONSOLIDATE BACKFILL TO CENTERLINE OF PIPE.
2. THIS STANDARD SHALL BE UTILIZED IN THE ABSENCE OF SPECIFIC STANDARDS. THE STANDARD OF THE AGENCY CONTROLLING THE RIGHT-OF-WAY SHALL GOVERN UNLESS OTHERWISE DIRECTED BY CITY ENGINEER.
3. SUITABLE BACKFILL SHALL BE DEFINED AS MATERIAL FREE FROM CINDERS, ASHES, REFUSE, CLAY, ORGANIC MATTER, BOULDERS, ROCKS OR STONES, OR OTHER MATERIAL THAT IN THE OPINION OF THE CITY ENGINEER IS UNSUITABLE.
4. NON-PERVIOUS AREAS SHALL MEAN ANY CONCRETE OR ASPHALT CURB, SIDEWALK, TRAIL, DRIVEWAY, OR ROADWAY.

LAST REVISION	TRENCHING, BEDDING AND BACKFILL DETAIL FOR NON-PERVIOUS (PAVED) AREAS	2.01A
MAY 2021		

C1 M-502 STD DETAIL: TRENCHING, BEDDING, AND BACKFILL
SCALE: NTS



FITTING ANGLE	A	B	C	D	E	F	G	H	I
11-1/4°	4	5	8	10	11	11	11	11	11
22-1/2°	8	11	15	20	21	21	21	22	22
45° OR 8" SET	18	23	30	41	42	43	43	43	43
90°	33	47	63	85	87	89	90	90	90
PLUG/CAP/VALVE	33	50	63	109	173	265	355	355	355

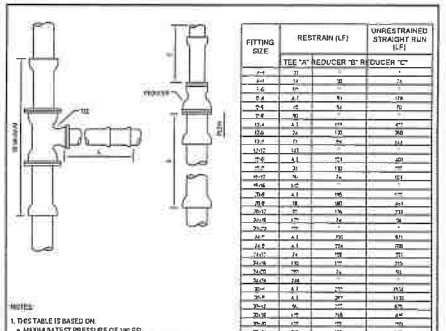
L = MINIMUM LENGTH OF PIPE TO BE RESTRAINED
* FOR PLUG/VALVE, RESTRAIN LENGTH REQUIRED DOWNSTREAM FROM VALVE

NOTES:

1. THIS TABLE IS BASED ON:
   a. MAXIMUM TEST PRESSURE OF 150 PSI
   b. LAYING CONDITION TYPE 2 (SEE DETAILS 2.01 AND 2.02)
   c. POOR SOIL CONDITIONS
   d. USING D.I.P.
   e. 3 FEET OF COVER FOR 12" AND SMALLER MAINS; 4 FEET OF COVER FOR 16" AND LARGER MAINS
   f. HORIZONTAL BENDS ONLY - ENGINEER TO SUBMIT CALCULATIONS FOR VERTICAL RESTRAINTS
2. "RESTRAINED" PIPE SHALL BE MANUFACTURED RESTRAINED JOINT PIPE, PUSH-ON JOINT PIPE RESTRAINED WIDGASKET-TYPE "GRIPPER RESTRAINTS", OR MECHANICAL JOINT PIPE RESTRAINED BY MEGALUG (OR APPROVED EQUIVALENT).
3. ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY.

LAST REVISION	RESTRAINED JOINT STANDARD FOR BENDS, PLUGS, CAPS, AND VALVES	2.11
MAY 2021		

C3 M-502 STD DETAIL: RESTRAINED JOINTS
SCALE: NTS



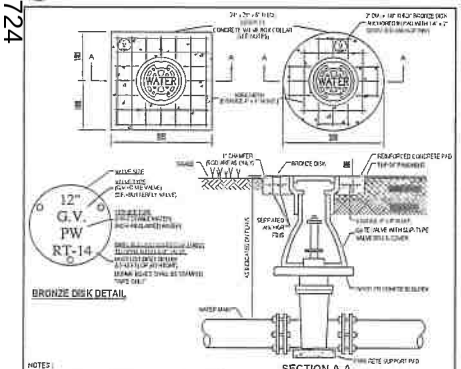
FITTING SIZE	RESTRAIN (LF)			UNRESTRAINED STRAIGHT RUN (LF)
	TEE "A"	REDUCER "B"	REDUCER "C"	
4x4	20	-	-	-
6x4	34	20	-	74
6x6	34	-	-	0
8x4	47	40	-	109
8x6	45	54	-	70
8x8	90	-	-	-
10x4	53	111	-	477
10x6	54	120	-	368
10x8	71	114	-	343
10x10	123	-	-	-
12x4	63	171	-	691
12x6	61	180	-	707
12x8	76	174	-	651
12x10	125	-	-	-
12x12	127	-	-	-
16x4	83	251	-	1,111
16x6	81	260	-	1,127
16x8	96	254	-	1,071
16x10	145	-	-	-
16x12	147	-	-	-
16x16	249	-	-	-
20x4	103	331	-	1,531
20x6	101	340	-	1,547
20x8	116	334	-	1,491
20x10	165	347	-	1,315
20x12	167	354	-	1,331
20x16	269	-	-	-
20x20	288	-	-	-
24x4	123	411	-	1,951
24x6	121	420	-	1,967
24x8	136	414	-	1,911
24x10	185	427	-	1,735
24x12	187	434	-	1,751
24x16	289	-	-	-
24x20	308	-	-	-
24x24	328	-	-	-
30x4	143	-	-	-
30x6	141	500	-	2,387
30x8	156	494	-	2,331
30x10	205	507	-	2,155
30x12	207	514	-	2,171
30x16	309	-	-	-
30x20	328	-	-	-
30x24	348	-	-	-
30x30	368	-	-	-
36x4	163	591	-	2,827
36x6	161	600	-	2,843
36x8	176	594	-	2,787
36x10	225	607	-	2,611
36x12	227	614	-	2,627
36x16	329	-	-	-
36x20	348	-	-	-
36x24	368	-	-	-
36x30	388	-	-	-
36x36	408	-	-	-

NOTES:

1. THIS TABLE IS BASED ON:
   a. MAXIMUM TEST PRESSURE OF 150 PSI
   b. LAYING CONDITION TYPE 2 (SEE DETAILS 2.01 AND 2.02)
   c. POOR SOIL CONDITIONS
   d. USING D.I.P.
   e. 3 FEET OF COVER FOR 12" AND SMALLER MAINS; 4 FEET OF COVER FOR 16" AND LARGER MAINS
   f. HORIZONTAL BENDS ONLY - ENGINEER TO SUBMIT CALCULATIONS FOR VERTICAL RESTRAINTS
2. RESTRAINT FOR REDUCERS: IF "C" STRAIGHT RUN OF PIPE DOWNSTREAM OF REDUCER NOT AVAILABLE, THE RESTRAIN "B" UPSTREAM OF REDUCER.
3. "RESTRAINED" PIPE SHALL BE MANUFACTURED RESTRAINED JOINT PIPE, PUSH-ON JOINT PIPE RESTRAINED WIDGASKET-TYPE "GRIPPER RESTRAINTS", OR MECHANICAL JOINT PIPE RESTRAINED BY MEGALUG (OR APPROVED EQUIVALENT).
4. ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY.

LAST REVISION	RESTRAINED JOINT STANDARD FOR TEES AND REDUCERS	2.12A
MAY 2021		

C5 M-101 STD DETAIL: RESTRAINED JOINTS
SCALE: NTS

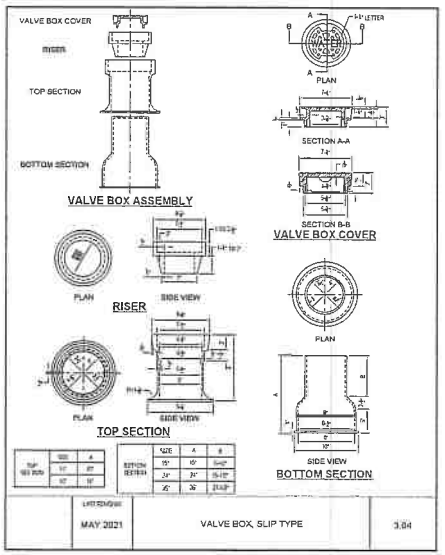


NOTES:

1. CIRCULAR OR SQUARE CONCRETE PAD REQUIRED FOR ALL VALVE BOX INSTALLATIONS IN PERVIOUS AREAS (I.E. OUTSIDE OF ROADWAY PAVEMENT, OUTSIDE OF CONCRETE/ASPHALT DRIVEWAYS, ETC.)
2. CAST IRON VALVE BOXES SHALL BE FIRMLY SUPPORTED AND CENTERED AND PLUMB OVER THE OPERATING NUT OF THE VALVE. VALVE BOX COVER SHALL BE FLUSH WITH THE SURFACE OF THE FINISHED PAVEMENT, OR GRADE OR AT SUCH OTHER LEVEL AS MAY BE DIRECTED BY THE DEPARTMENT.
3. "BLUE" WATER VALVE LOCATE MARKERS REQUIRED FOR ALL VALVE INSTALLATIONS.
4. EMBED BRONZE VALVE INFO DISK INTO CONCRETE VALVE BOX COLLAR.
5. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST T.W.O. APPROVED MATERIAL SPECIFICATIONS.
6. IF VALVE IS LOCATED WITHIN A SIDEWALK CONCRETE COLLAR MAY BE ELIMINATED AND DISK SET FLUSH DIRECTLY IN SIDEWALK.
7. BRONZE DISK REQUIRED FOR ALL VALVES AND DUMMY BOXES.

LAST REVISION	VALVE INSTALLATION W/VALVE BOX & PAD FOR DI OR CI PIPE	3.01
MAY 2021		

A1 M-101 STD DETAIL: ISOLATION VALVE
SCALE: NTS

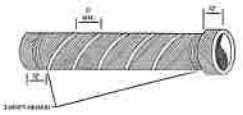


SIZE	A	B
5¼"	6"	5¼"
7"	7"	5¼"
7"	7"	7¼"

SIZE	A
5¼"	8"
7"	10"

LAST REVISION	VALVE BOX, SLIP TYPE	3.04
MAY 2021		

A3 M-502 STD DETAIL: VALVE BOX
SCALE: NTS



NOTES:

1. TO ENSURE PROPER ADHESION, EACH PIPE RUN SHALL BE WRAPPED WITH A CONTINUOUS RUN OF TAPE.
2. ALL TAPE SHALL BE MIN. 2" BLUE VINYL TAPE FOR POTABLE WATER.

LAST REVISION	DUCTILE IRON PIPE IDENTIFICATION DETAIL	2.20
MAY 2021		

A5 M-502 STD DETAIL: DUCTILE IRON PIPE IDENTIFICATION
SCALE: NTS

ISSUED FOR PERMITTING
MARCH 2025

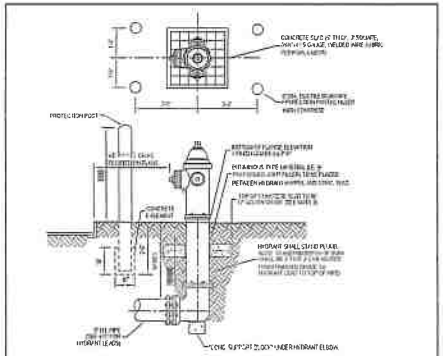
BERTH 301
MECHANICAL DETAILS (2 OF 3)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

DRAWN: KJG
DATE: 03/25/25
CHECKED: MK
DATE: 03/25/25
APPROVED: JDO
DATE: 03/25/25
PROJECT NO.: 23-00323
SCALE: AS SHOWN

SHEET NO.
M-502

File: C:\TAZ\301\2025 CADD_Active_berth 301\301-M-502 - Details 3-25.dwg by SMITH, TONY - Saved 3/25/2025 4:32 PM by SMITH, TONY
Plotted: 3/26/2025 10:04 AM by KDUDDUKE

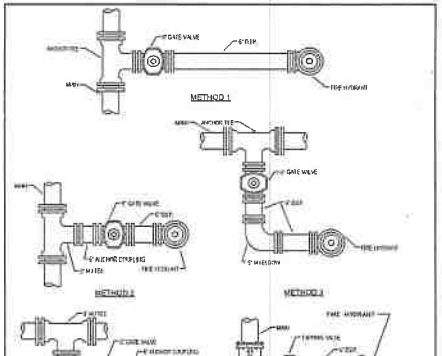


NOTES:

1. FIRE HYDRANT BARREL ABOVE THE GROUND LINE SHALL BE PAINTED WITH A HIGH-GRADE ENAMEL PAINT, FEDERAL SAFETY YELLOW (OSHA APPROVED), AND THE HYDRANT BONNET SHALL BE PAINTED OSHA GREEN.
2. CONCRETE SLAB MAY BE ELIMINATED IN AREAS WHERE HYDRANT IS SET IN SIDEWALK AND SIDEWALK HAS BEEN INSTALLED PRIOR TO FINAL ACCEPTANCE OF THE HYDRANT.
3. THRUST RESTRAINT FOR HYDRANT
   a) HYDRANT SHALL BE FIRMLY SUPPORTED UNDER ELBOW IN ALL METHODS BY SUPPORT BLOCK
   b) ALL BACKFILL SHALL BE THOROUGHLY COMPACTED UNDER SUPPORT BLOCK AND UNDER THRUST COLLAR
   c) ALL HYDRANT LEADS SHALL BE RESTRAINED BY MEGALUGS OR EQUIVALENT MECHANICAL RESTRAINTS
4. PROTECTION POSTS ARE REQUIRED WHEN HYDRANT IS LESS THAN 6 FEET FROM EDGE OF PAVEMENT, OR AS DIRECTED BY THE ENGINEER.
5. FOR PVC MAINS, INSTALL CONCRETE SUPPORT BLOCK UNDER ALL HYDRANT TEES.

	LAST REVISION		
	MAY 2021	FIRE HYDRANT INSTALLATION	4.01

C1 / M-101 STD DETAIL: FIRE HYDRANT INSTALLATION
SCALE: NTS



NOTES:

1. VALVE SHALL BE SET IN ACCORDANCE WITH DETAIL 3.01. FOR HYDRANT SET, SEE DETAIL 4.01.
2. ALL VALVES SHALL BE ANCHORED TO BRANCH OF TEE ON ALL HYDRANT INSTALLATIONS.
3. ALL HYDRANT LEADS SHALL BE RESTRAINED BY MEGALUGS OR EQUIVALENT.
4. FOR PVC MAINS, INSTALL CONCRETE SUPPORT BLOCK UNDER HYDRANT TEES.

	LAST REVISION		
	MAY 2021	FIRE HYDRANT METHODS OF INSTALLATION	4.02

C3 / M-503 STD DETAIL: FIRE HYDRANT METHODS OF INSTALLATION
SCALE: NTS

725

ISSUED FOR PERMITTING
MARCH 2026

BERTH 301
MECHANICAL DETAILS (3 OF 3)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

DRAWN: [illegible] DATE: 2025-03-25
CHECKED: [illegible] DATE: 2025-03-26
APPROVED: [illegible] DATE: 2025-03-26
PROJECT NO.: [illegible]
SCALE: AS SHOWN
PTS DRWG NO.:
SHEET NO.: M-503

File: D:\TA\2021\2020 CADD_Active_berth 301\2021M-503_Posted 3-27-2025 1:32 PM by SMITH, TONY_Saved 6/26/2024 10:25 AM by KGADDONE

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

ELECTRICAL GENERAL NOTES

1. GENERAL CONDITIONS:
   A. UNDER THIS SECTION THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, APPURTENANCES, SERVICES AND SUPERVISION FOR A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWING. ALL MATERIAL AND EQUIPMENT SHALL BE WORKED INTO A COMPLETE, CONVENIENT, AND ECONOMICAL SYSTEM OR SYSTEMS. ALL APPARATUS, PARTS, MATERIAL, AND ACCESSORIES WHICH ARE NECESSARY TO ACCOMPLISH THIS RESULT SHALL BE PROVIDED. MANUFACTURER'S INSTRUCTIONS, WRITTEN OR OTHERWISE, SHALL BE FOLLOWED, UNLESS SUPERSEDED HERE IN. ALL ITEMS SHOWN ARE NEW AND SHALL BE PROVIDED FOR THE CONTRACTOR UNLESS SPECIFICALLY INDICATED OTHERWISE.
   B. "PROVIDE" IS DEFINED TO MEAN THAT THE CONTRACTOR SHALL FURNISH, INSTALL, ADJUST, TEST AND INTEGRATE INTO A COMPLETE SYSTEM THE ITEM INDICATED. INCLUDING ALL HARDWARE WIRING, AND MISCELLANEOUS ITEMS AS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
   C. CONTRACTOR SHALL GIVE REQUIRED NOTICES, OBTAIN NECESSARY PERMITS, AND PAY PERMIT FEES.
   D. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT OF THE WORK. MINOR VARIATIONS IN LOCATION OF EQUIPMENT SHALL BE MADE UPON WRITTEN APPROVAL OF THE ENGINEER AT NO ADDITIONAL CHARGE. REFER TO ARCHITECTURAL, STRUCTURAL, AND CIVIL DRAWINGS FOR GUIDANCE ON DIMENSION, DETAILS, AND LOCATIONS OF DUCTS AND PIPES. INSTALL THE ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH PIPES, STRUCTURAL STEEL, OR OTHER SYSTEMS.
   E. ALL DIMENSIONS AND ELEVATIONS NOTED ARE ENGLISH UNITS UNLESS OTHERWISE NOTED.
   F. COOPERATE AND COORDINATE THE WORK OF THIS DIVISION WITH OTHER TRADES.
   G. ALL WORK TO CONFORM TO THE LATEST EFFECTIVE PUBLICATIONS OF THE FOLLOWING STANDARDS, CODES, ETC. FORM A PART OF THESE SPECIFICATIONS:

      2023 FLORIDA BUILDING CODE 8TH EDITION.
      TECO SERVICE RULES AND REGULATIONS.
      AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
      ASTM INTERNATIONAL (ASTM).
      BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL (BICSI).
      INTERNATIONAL BUILDING CODE (IBC).
      INTERNATIONAL FIRE CODES (IFC).
      INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
      NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).
      NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
      NATIONAL ELECTRICAL CODE (NEC), 2020.
      TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA).
      UNDERWRITERS LABORATORIES (UL).
      ILLUMINATING ENGINEERING SOCIETIES (IES).
      CITY OF TAMPA CODE OF ORDINANCE (SUPPLEMENT NO. 137).

   H. SUBSTANTIAL COMPLETION: UPON COMPLETION OF THE ENTIRE WORK, THE CONTRACTOR SHALL PERFORM SUCH TESTS AS REQUIRED BY THE ENGINEER. THE ENGINEER SHALL BE GIVEN (5) DAYS NOTICE BEFORE TESTS ARE MADE. THE CONTRACTOR SHALL FURNISH THE ENGINEER A CERTIFICATE OF APPROVAL FROM THE LOCAL INSPECTION AUTHORITY HAVING JURISDICTION.
   I. WARRANTY: CONTRACTOR SHALL FURNISH WRITTEN WARRANTY, COUNTERSIGNED, AND GUARANTEED BY THE GENERAL CONTRACTOR, STATING THAT THE WORK EXECUTED UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE FREE FROM DEFECTS OF MATERIALS AND WORKMANSHIP FOR A PERIOD OF 12 MONTHS FROM DATE OF FINAL ACCEPTANCE UNLESS INDICATED OTHERWISE IN THE SPECIFICATIONS, DEFECTS DEVELOPING DURING THAT PERIOD SHALL BE CORRECTED WITHOUT COST TO THE OWNER.
   J. IT IS THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE INTEGRITY OF THE SYSTEMS. CONTRACTOR SHALL PROVIDE OWNER WITH COMPLETE OPERATION AND MAINTENANCE INFORMATION FROM EQUIPMENT MANUFACTURERS.
   K. COMPLETE SCHEDULES OF MATERIALS AND EQUIPMENT PROPOSED FOR INSTALLATION SHALL BE SUBMITTED TO THE ENGINEER WITHIN 30 DAYS AFTER AWARD OF THE CONTRACT. THE SCHEDULES SHALL INCLUDE CATALOG CUTS, DIAGRAMS AND SUCH OTHER DESCRIPTIVE DATA AND/OR SAMPLES AS MAY BE REQUIRED BY THE ENGINEER. LIGHTING FIXTURE SUBMITTALS SHALL INCLUDE PHOTOMETRIC REPORTS BY INDEPENDENT TESTING LABORATORIES FOR EACH FIXTURE INDICATED BASED ON IES PUBLISHED PROCEDURES.
   L. SHOULD THERE BE A CONFLICT BETWEEN THESE GENERAL NOTES, WORKING DRAWINGS, AND/OR SPECIFICATIONS, THE MOST RESTRICTIVE INTERPRETATION SHALL PREVAIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FROM THE OWNER REPRESENTATIVE ANY CLARIFICATION OR INTERPRETATION OF THE GENERAL NOTES, WORKING DRAWINGS, AND/OR SPECIFICATIONS IN WRITING AND IN ADVANCE OF THE BEGINNING OF DEMOLITION/CONSTRUCTION.
   M. EXISTING CONSTRUCTION, INCLUDING UTILITIES AND OTHER MISCELLANEOUS ITEMS WHICH ARE TO REMAIN, SHALL REMAIN UNDISTURBED AND BE PROTECTED, UNLESS OTHERWISE NOTED.
   N. AREAS DISTURBED DURING DEMOLITION/CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION, AT NO ADDITIONAL EXPENSE TO THE OWNER, UNLESS OTHERWISE NOTED.
   O. LIMITED STAGING AREAS SHALL BE PROVIDED ON SITE FOR CONTRACTOR'S USE. THE CONTRACTOR SHALL CONFIRM THE EXTENTS OF STAGING AREAS WITH THE OWNERS REPRESENTATIVE.
   P. ALL EXISTING ELECTRICAL EQUIPMENT INCLUDING LIGHTING SHALL BE RETURNED TO OWNER. OWNER RESERVES RIGHT TO REFUSAL AND CONTRACTOR SHALL DISPOSE OF EQUIPMENT.

2. GENERAL MATERIAL REQUIREMENTS:
   A. EQUIPMENT AND PRODUCTS TO BE USED SHALL BE REVIEWED AND APPROVED BY OWNER PRIOR TO PLACING ORDER OR PURCHASE.
   B. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE LABEL OF A NATIONALLY RECOGNIZED TESTING AGENCY AND SHALL BE INSTALLED IN THE MANNER FOR WHICH IT IS DESIGNED AND APPROVED.
   C. ALL MATERIAL, INCLUDING PULL BOXES, CONDUIT BODIES, FITTINGS AND MOUNTING HARDWARE INSTALLED OUTSIDE SHALL BE APPROVED WEATHER TIGHT CORROSION RESISTANT (316 STAINLESS STEEL), UNLESS NOTED OTHERWISE.
   D. CONTRACTOR SHALL INSPECT MATERIALS DELIVERED TO SITE FOR DAMAGE. UNLOAD AND STORE WITH MINIMUM HANDLING. STORE MATERIALS ON SITE IN ENCLOSURES OR UNDER PROTECTIVE COVERING. STORE PLASTIC PIPING UNDER COVER OUT OF DIRECT SUNLIGHT. DO NOT STORE MATERIALS DIRECTLY ON THE GROUND. KEEP INSIDE OF CONDUITS, FITTINGS AND EQUIPMENT FREE OF DIRT AND DEBRIS. HANDLE CONDUIT, FITTINGS, AND OTHER ACCESSORIES IN SUCH MANNER AS TO ENSURE DELIVERY TO THE INSTALLATION LOCATION IN A SOUND UNDAMAGED CONDITION.
   E. SUPPORTS AND HARDWARE SHALL BE 316 STAINLESS STEEL. SUBMIT SHOP DRAWINGS OR CATALOG DATA FOR REVIEW AND APPROVAL. A DIELECTRIC ISOLATION SHEET SHALL BE PLACED WHERE DISSIMILAR METALS CONTACT ON THE SUPPORT. INCLUDE LOCKWASHERS.
   F. PANELBOARDS, ENCLOSED CIRCUIT BREAKERS AND SAFETY SWITCHES, WHEN APPLICABLE, SHALL BE MANUFACTURED BY THE SAME MANUFACTURER. WIRING DEVICES SHALL BE MANUFACTURED BY ONE MANUFACTURER.
   G. SUBSTITUTION OF MATERIAL AND EQUIPMENT: THE NAME OF A CERTAIN BRAND, MAKE, MANUFACTURER OR DEFINITE SPECIFICATION IS TO DENOTE THE QUALITY STANDARD OF ARTICLE DESIRED. SUBSTITUTION OF ANY OTHER BRAND, MAKE, OR MANUFACTURER, WHICH IN THE OPINION OF THE ENGINEER IS RECOGNIZED THE EQUAL OF THAT SPECIFIED MAY BE ACCEPTED.
   H. PROVIDE ENGRAVED PLASTIC NAMEPLATES ON ALL DISTRIBUTION EQUIPMENT AND PANELS, SECURED BY MEANS OF STAINLESS STEEL RIVETS. TAPES AND ADHESIVES ARE NOT ACCEPTABLE.
   I. UNLESS NOTED OTHERWISE, ALL PANEL BUSES, FEEDER CONDUCTORS AND BRANCH CIRCUIT WIRING SHALL BE COPPER. ALL WIRE SHALL BE UL LISTED, RATED FOR 600 VOLTS, NO. 12 MINIMUM SIZE, UNLESS NOTED OTHERWISE.
   J. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED.

3. GENERAL INSTALLATION REQUIREMENTS:
   A. INSTALL MATERIALS AND EQUIPMENT IN FIRST CLASS AND WORKMANLIKE MANNER AND IN ACCORDANCE WITH NECA STANDARD 101-2013. RUN CONCEALED, EXCEPT AS INDICATED.
   B. POWER WIRING AND POWER CONNECTIONS TO EQUIPMENT SHALL BE PROVIDED UNDER "ELECTRICAL" UNLESS OTHERWISE INDICATED ON THE ELECTRICAL DRAWINGS. WHEN SUBSTITUTED MOTORS AND/OR EQUIPMENT REQUIRES ELECTRICAL MODIFICATIONS, THE COST OF THE ELECTRICAL MODIFICATIONS AND COORDINATION SHALL BE INCLUDED UNDER THE DIVISION PROVIDING THE MOTOR AND/OR EQUIPMENT.
   C. THE ELECTRICAL CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER, WITHOUT APPROVAL FROM THE ENGINEER. THE ELECTRICAL CONTRACTOR SHALL PROVIDE SUPPORT FOR ALL ELECTRICAL EQUIPMENT TO COMPLY WITH THE REQUIREMENTS OF THE LATEST ADOPTED BUILDING CODE AND ALL LOCAL ORDINANCES.
   D. SCHEDULING, TRENCHING, LINE SHUTDOWN, DRAINAGE, TIE-IN, CONDUIT BEDDING, SUPPORTS, INSTALLATION OF NEW LINE, WALL PENETRATIONS, AND EQUIPMENT PLACEMENTS, TESTING, WARNING TAPE, BACKFILL, SURFACING, LANDSCAPING, ACTIVATION OF SERVICE, ETC., SHALL COMPLY WITH THE LOCAL BUILDING CODE STANDARDS AND REGULATIONS AND SHALL BE COORDINATED WITH THE LOCAL CODE OFFICIAL AND THE FIRE DEPARTMENTS. PRIOR APPROVAL OF AND NOTICE TO PROCEED WITH CONCEALING ELECTRICAL WIRING AND FINAL CONNECTIONS ARE REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
   E. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS IN THE FIELD BEFORE STARTING WORK. THE REGIONAL NOTIFICATION CENTER (AND/OR PROPERTY OWNERS) SHALL BE NOTIFIED 48 HOURS PRIOR TO THE START OF SHUTDOWN, DIGGING OR EXCAVATION WORK. THE CONTRACTOR SHALL FIELD VERIFY THE POINTS OF CONNECTIONS AND PHASED CONSTRUCTION TIE-INS, LOCATIONS OF PIPING AND APPURTENANT FITTINGS SHOWN ON THE DRAWINGS ARE APPROXIMATE. IT IS INTENDED THAT SUCH ITEMS BE LOCATED BASED ON EXACT LOCATIONS DETERMINED IN THE FIELD AND THE SUPPLIED MATERIALS.
   F. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES TO REMAIN FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT, SHOULD SPECIAL EQUIPMENT BE REQUIRED TO WORK OVER AND AROUND THE UTILITIES, CONTRACTOR SHALL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FOR FURNISHING SPECIAL EQUIPMENT SHALL BE INCLUDED IN THE BID PRICE.
   G. THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL CONDUITS AND WIRES WITH A MINIMUM NUMBER OF BENDS AND IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, AND MEET ALL STRUCTURAL CODE REQUIREMENTS. THESE DRAWINGS ARE PRIMARILY DIAGRAMMATIC, AND DO NOT SHOW ALL SUCH REQUIRED BENDS, OFFSETS, FITTING, BOXES, ETC.
   H. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY NATIONAL ELECTRICAL CODE. POWER CONDUITS SHALL HAVE A INSULATED COPPER, CODE SIZED GROUND WIRE INSTALLED.
   I. VEHICULAR ACCESS MUST BE PROVIDED AND MAINTAINED SERVICEABLE THROUGHOUT CONSTRUCTION.
   J. DIELECTRIC COUPLINGS/FLANGES SHALL BE USED AT DISSIMILAR METAL PIPING CONNECTIONS, POSTS.
   K. SUPPORTS AND HANGERS SHALL BE 316 STAINLESS STEEL (UNLESS OTHERWISE NOTED) AND SHALL BE FROM MANUFACTURED SHAPES. FIELD BENDING IS NOT PERMITTED. PLATE MATERIAL MAY BE WELDED IN THE FIELD TO FORM SHAPES.

4. CONDUIT REQUIREMENTS:
   A. BURIED CONDUIT LINES SHALL HAVE PLASTIC WARNING TAPE MEETING APWA STANDARDS WITH METALLIC CORE OR METAL FACED PLACED IN TRENCH ABOVE PIPING. THE TAPE SHALL BE PLACED 9 INCHES TO 12 INCHES BELOW FINISHED GRADE.
   B. ALL CONDUIT SHALL FOLLOW THE GENERAL ARRANGEMENT SHOWN. CONDUIT SHALL BE RUN ESSENTIALLY AS INDICATED, CARE BEING TAKEN TO AVOID INTERFERENCE WITH OTHER PIPING, CONDUIT OR EQUIPMENT. BEFORE JOINTING AND INSTALLATION OF CONDUIT, THOROUGHLY CLEAN INTERIORS OF CONDUIT, AND COMPONENTS. MAINTAIN CLEANLINESS BY CLOSURE OF CONDUIT OPENINGS WITH CAPS OR PLUGS.
   C. THE CONTRACTOR SHALL ENSURE SUFFICIENT CONDUIT FLEXIBILITY AND ANCHORAGE IS PROVIDED FOR ALL LINES FOR THERMAL EXPANSION AND CONTRACTION, PRESSURE AND FLEXING. THE STRUCTURE AND COMPONENTS SHALL ACCOMMODATE THE CONDUIT LAYOUT REQUIREMENTS SUCH THAT THE CONDUIT SHALL NOT BECOME OVERSTRESSED. THE CONDUIT SHALL BE PROPERLY SECURED IN ACCORDANCE WITH NEC.
   D. CONDUIT AND FITTINGS SHALL CONFORM TO THE FOLLOWING:
      (1) RIGID STEEL - ANSI C80 (HOT DIPPED GALVANIZED).
      (2) PLASTIC CONDUIT (PVC) - NEMA TC-2 AND TC-3.
      (3) LIQUID-TIGHT FLEXIBLE METAL CONDUIT - UL-360.
   E. CONDUIT SHALL BE RUN CONCEALED, EXCEPT CONDUIT MAY BE EXPOSED AS APPROVED BY THE ENGINEER. WHERE FLEXIBILITY IS REQUIRED, PROVIDE LIQUID TIGHT FLEXIBLE METAL CONDUIT EXCEPT AS INDICATED OTHERWISE. CONDUITS RUN EXPOSED SHALL BE GALVANIZED RIGID STEEL, UNLESS OTHERWISE NOTED. LIQUID TIGHT FLEXIBLE METALLIC CONDUIT RUN EXPOSED SHALL BE RATED AS SUNLIGHT RESISTANT.
   F. CONDUIT RUN ON LAND SHALL BE BURIED A MINIMUM OF 36 INCHES BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. CONDUITS RUN BELOW SLAB ON GRADE SHALL BE BURIED A MINIMUM OF 12 INCHES BELOW SLAB, AND SHALL BE RIGID HOT DIPPED GALVANIZED STEEL CONDUIT PAINTED WITH TWO COATS OF BITUMASTIC PAINT, OR RIGID NON-METALLIC POLYVINYLCHLORIDE CONDUIT, MINIMUM SCHEDULE 40, AT THE OPTION OF THE CONTRACTOR, UNLESS A SPECIFIC TYPE OF CONDUIT IS SPECIFIED OR INDICATED ON THE DRAWINGS.
   G. RIGID STEEL CONDUIT FITTINGS SHALL BE THREADED.
   H. MINIMUM SIZE CONDUIT SHALL BE INDICATED AND AS REQUIRED BY NATIONAL ELECTRIC CODE WITH A MINIMUM SIZE OF 3/4".
   I. FLEXIBLE CONDUIT SHALL BE GALVANIZED, SINGLE STRIP TYPE. IN AREAS SUBJECT TO MOISTURE, OR WHERE CALLED FOR ON THE DRAWINGS, FLEXIBLE CONDUIT SHALL HAVE A PLASTIC COVERING IN ACCORDANCE WITH NEC. FITTINGS SHALL BE STANDARD UL APPROVED WITH GROUND CONNECTOR. WATERTIGHT CONNECTORS SHALL BE USED WITH PLASTIC COVERED CONDUIT. FLEXIBLE CONDUIT, MINIMUM 18 INCHES/ MAXIMUM 36 INCHES IN LENGTH, SHALL BE USED FOR CONNECTIONS TO MOTORS, DRY TYPE TRANSFORMERS AND OTHER EQUIPMENT SUBJECT TO VIBRATION.
   J. EXPOSED CONDUITS SHALL BE RUN PARALLEL AND PERPENDICULAR TO STRUCTURES AND SHALL BE SUPPORTED AS SPECIFIED AND IN ACCORDANCE WITH NEC.
   K. CONDUIT SUPPORTS SHALL BE APPROVED WALL BRACKETS, TRAPEZE, STRAP HANGER OR PIPE STRAPS SECURED TO HOLLOW MASONRY WITH TOGGLE BOLTS; TO CONCRETE WITH DRILL AND EPOXY IN PLACE RODS, EXPANSION BOLTS ARE NOT PERMITTED TO BE USED; TO METAL SURFACES WITH MACHINE SCREWS; AND TO WOOD WITH WOOD SCREWS. ANY FORM OF TIE WIRE IS UNACCEPTABLE.
   L. PROVIDE EXPANSION FITTINGS WHERE CONDUITS CROSS EXPANSION JOINTS. PROVIDE SLIP JOINTS AS NECESSARY FOR THERMAL EXPANSION AND CONTRACTION.
   M. CONDUIT TERMINATIONS AND CONDUIT STUBS SHALL HAVE INSULATING BUSHINGS.
   N. CONDUITS PASSING THROUGH BULKHEADS, CONCRETE WALLS, FLOORS OR FOOTINGS AND SLAB ON GRADE SHALL BE MADE WATERTIGHT. PROVIDE PIPE SLEEVES WITH ONE-HALF INCH MINIMUM CLEARANCE AROUND THE CONDUIT AND CAULK WITH SEALANT.
   O. PROVIDE 12" MINIMUM SEPARATION BETWEEN ELECTRICAL AND OTHER UTILITIES.
   P. PROVIDE STAINLESS STEEL CABLE/CONDUIT TAGS WITH STAINLESS STEEL STRAPS. EMBOSS TAG WITH PANEL AND CIRCUIT NUMBER TO EACH CONDUIT AND WIRE. THIS APPLIES TO ALL CONDUIT/WIRE TERMINATIONS, MANHOLES, HANDHOLES, TERMINATION BOXES, AND EXPOSED CONDUITS AT TERMINATIONS AND EVERY 100' OF EXPOSED CONDUIT.
   Q. EVERY SPARE CONDUIT SHALL HAVE A PULL STRING INSTALLED. EVERY SPARE CONDUIT SHALL HAVE A #12 (MIN) COPPER TRACER WIRE INSTALLED, WITH INSULATION THAT IS NOT WHITE, GRAY, OR GREEN IN COLOR. THE TRACER WIRE MAY ALSO SERVE AS THE PULL STRING.

5. WIRING REQUIREMENTS:
   A. THE ENTIRE WIRING SYSTEM SHALL BE TESTED FOR SHORT CIRCUITS, GROUNDS AND INSULATION RESISTANCE BETWEEN CONDUCTORS AND TO GROUND PRIOR TO COMPLETION OF PROJECT.
   B. WIRE AND CABLE SHALL BE INSTALLED IN CONDUIT EXCEPT AS SPECIFICALLY INDICATED OTHERWISE.
   C. WIRE AND CABLE SHALL BE COPPER, 600 VOLT INSULATION, MINIMUM SIZE NO. 12, TYPE "THHN/THWN" AS APPLICABLE, UNLESS OTHERWISE INDICATED ON DRAWINGS.
   D. WIRES NO. 10 AND 12 AWG SHALL BE CONNECTED WITH COIL SPRING INSERT "WIRE-NUT" OR "WING-NUT" CONNECTORS MANUFACTURED BY IDEAL INDUSTRIES OR APPROVED EQUAL. CONNECTORS SHALL BE RATED 600 VOLTS.
   E. WIRE SHALL BE COLOR CODED AS FOLLOWS:

480Y/277V SYSTEM	208Y/120V SYSTEM	120/240V 1 PH SYSTEM
PH A - BRN	PH A - BLK	PH A - BLK
PH B - ORN	PH B - RED	PH B - RED
PH C - YEL	PH C - BLU	
NEUT - GRY	NEUT - WHT	NEUT - WHT W/GRY STRIPE
GND - GRN W/YEL STRIPE	GND - GRN	GND - GRN W/WHT STRIPE

   F. PROVIDE CABLE LUGS ON ALL CABLES AS REQUIRED TO PROPERLY TERMINATE ON THE EQUIPMENT AS NECESSARY.

6. PULL BOX REQUIREMENTS
   A. LANDSIDE PULL BOXES SHALL BE AS DEFINED IN DRAWINGS. MARK COVERS PERMANENTLY WITH "ELECTRICAL" OR "COMMUNICATIONS", AS REQUIRED.
   B. PROVIDE 6" THICK BUILD OF CRUSHED ROCK BELOW BOX AND AS RECOMMENDED BY MANUFACTURER.
   C. WHERE SEVERAL FEEDERS PASS THROUGH A COMMON PULL BOX OR JUNCTION BOX, THE FEEDERS SHALL BE TAGGED TO INDICATE CLEARLY THEIR ELECTRICAL CHARACTERISTICS, CIRCUIT NUMBER, AND PANEL DESIGNATION. PAINT SAME INFORMATION ON COVER OF THE BOX.

7. JUNCTION BOX REQUIREMENTS
   A. OUTLET BOXES SHALL BE HOT DIPPED GALVANIZED OR CAST METAL AS NECESSARY WITH STANDARD KNOCKOUTS AS REQUIRED FOR CONDUIT TERMINATION. MINIMUM SIZE OF OUTLET BOX SHALL BE FOUR INCHES SQUARE, ONE AND ONE-QUARTER INCHES DEEP.
   B. OUTLET BOXES OCCURRING IN FINISHED OUTSIDE WALLS AND WET AREAS SHALL BE CAST AND PROVIDED WITH GASKETS BETWEEN BOX AND WATERPROOF COVER.

(CONTINUES NEXT SHEET)

ISSUED FOR PERMITTING
MARCH 2025

726

BERTH 301
ELECTRICAL NOTES (1 OF 2)

moffatt & nichol
DRAWN: RJE
DATE: 2025-03-20
CHECKED: SLB
DATE: 2025-03-20
APPROVED: JSO
DATE: 2025-03-20
PROJECT NO.: 23-05722
SCALE: AS SHOWN
PTB DRWG NO.:
SHEET NO.: E-001

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: C:\17\4\2312020 CADD_Active_Berth 301\2312301SE-E001.r Protect: 3/27/2025 1:03 PM by SMITH, TONY Saved: 10/21/2021 2:40 PM by RODGERS

ELECTRICAL GENERAL NOTES (CONTINUED)

8. WIRING DEVICES (CONVENIENCE OUTLETS, LIGHT SWITCHES, ETC)
   A. WIRING DEVICES SHALL BE SPECIFICATION GRADE IN BROWN FINISH.
   B. CONVENIENCE OUTLETS SHALL BE PROTECTED BY GROUND FAULT INTERRUPTER DEVICES.
   C. DEVICE PLATES SHALL BE PVC WEATHER PROTECTED COVERS IN EXTERIOR LOCATIONS AND STEEL IN INTERIOR LOCATIONS.
   D. WHERE CONDUIT AND WIRING HAS NOT BEEN SHOWN ON THE DRAWINGS THE ARRANGEMENT AND ROUTING OF LIGHTING AND RECEPTACLE BRANCH CIRCUITS WILL BE AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED GOOD PRACTICE AND NEC REQUIREMENTS.

9. MOBILE CONVEYOR PLUGS INTERLOCKED CIRCUIT BREAKER ENCLOSURE
   A. MOBILE CONVEYOR PLUGS SHALL BE 100A, 480V, 3Ø, 4W PIN AND SLEEVE WITH CIRCUIT BREAKER INTERLOCKED RECEPTACLE, MFG. ABB RUSSELLSTOLL MAX-GARD MODEL #DBRS1404100000 (INCLUDE ANGLE ADAPTER).
   B. ENCLOSURES SHALL BE NEMA 4X, COPPER FREE ALUMINUM HOUSING WITH EPOXY POWDER COAT FINISH.
   C. MOBILE CONVEYOR PLUGS SHALL BE SECURELY MOUNTED TO STRUCTURE AS SHOWN IN PLANS. PROVIDE MISCELLANEOUS ACCESSORIES FOR MOUNTING, INCLUDING STEEL ANGLES WHERE REQUIRED AND STAINLESS STEEL HARDWARE.

10. PANELBOARDS
    A. PANELBOARDS SHALL BE CIRCUIT BREAKER TYPE AS INDICATED. PANELS SHALL BE KEYED ALIKE AND SHALL HAVE A MINIMUM 20 INCH WIDE ENCLOSURE. A DIRECTORY, COMPLETELY TYPED TO IDENTIFY CIRCUITS, WITH TRANSPARENT PROTECTOR SHALL BE PROVIDED IN EACH PANEL.
    B. PANELBOARDS SHALL BE PROVIDED WITH COPPER PHASE, NEUTRAL AND GROUND BUSES.
    C. SUB-FEED BREAKER SHALL NOT BE ACCEPTABLE UNLESS INDICATED.
    D. BREAKER ARRANGEMENT SHALL BE AS INDICATED.
    E. PANELBOARDS SHALL BE SQUARE D OR APPROVED EQUAL.
    F. PANELBOARDS IN EXTERIOR LOCATIONS SHALL BE ENCLOSED IN A NEMA 4X, 316 STAINLESS STEEL ENCLOSURE UON.

11. QUALITY CONTROL
    A. DURING CONSTRUCTION BID, PROVIDE A BLANK COPY OF A QUALIFIED POST CONSTRUCTION QA/QC INSPECTION FORM TO ENGINEER FOR REVIEW AND APPROVAL.
    B. POST CONSTRUCTION AND PRIOR TO CALLING ENGINEER FOR INSPECTION, COMPLETE QA/QC INSPECTION WITH SUPPORTING DOCUMENTS AND PICTURES. THIS COMPLETED QA/QC FORM WITH PICTURES IS TO BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO ENGINEER INSPECTION. COMPLETE A QA/QC INSPECTION FOLLOWING ALL STAGES OF INSTALLATION AND PRIOR TO CONTACTING ENGINEERING FOR INSPECTION.
    C. PRIOR TO COVERING UP ANY ELECTRICAL CONDUCTORS WITH FILL (CONCRETE, DIRT, ETC), NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE FOR AN INSPECTION. ALLOW MINIMUM (5) DAYS FOR ENGINEERING REVIEW PRIOR TO COVERING ANY ELECTRICAL WORK. PROVIDE PICTURES OF ANY ELECTRICAL WORK PRIOR TO COVERING AND SUBMIT WITH QA/QC REPORT.

12. GENERAL
    A. CONTRACTOR SHALL NOT INITIATE ANY LAND DISTURBING ACTIVITY UNTIL AUTHORIZED BY OWNER.
    B. CONTRACTOR SHALL CLOSELY COORDINATE ALL CONSTRUCTION ACTIVITY WITH OWNER.
    C. CONTRACTOR SHALL KEEP ASPHALT ADJACENT TO WORK AREA CLEAN OF DEBRIS.
    D. COORDINATE WITH OWNER IF ADDITIONAL SPACE IS REQUIRED FOR CONSTRUCTION OR LAYDOWN AREA.

13. DESIGN FLOOD ELEVATION
    A. BASE FLOOD ELEVATION (BFE) IS DETERMINED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) NATIONAL FLOOD INSURANCE PROGRAM AND AMERICAN SOCIETY OF ENGINEERS (ASCE) 24-14.
    B. FLOOD ELEVATION BASED UPON FEMA NATIONAL FLOOD INSURANCE RATE MAP: OCTOBER 2021 - MAP NUMBERS: 12057C0491J, 12057C0492J, (DESIGNATED FLOOD ZONE AE11).
    C. ASCE 24-14, FLOOD DESIGN CLASS 2
    D. THE BASE FLOOD ELEVATION (BFE) IS SET TO +11.00' (NAVD).
    E. THE DESIGN FLOOD ELEVATION (DFE) IS SET TO +12.00' (NAVD).
    F. CONTRACTOR SHALL KEEP ALL ELECTRICAL SERVICE ENTRANCE EQUIPMENT AT OR ABOVE THE DESIGN FLOOD ELEVATION (DFE).

14. BERTH LIGHTING CRITERIA
    A. CONTRACTOR SHALL BE RESPONSIBLE FOR ACHIEVING DARKSKY PORT MARINE TERMINAL CERTIFICATION FOR BERTH 301 LIGHTING. THIS INCLUDES APPLICATION SUBMITTED, IN-FIELD DARKSKY VERIFICATION/TESTING, AND ALL ASSOCIATED DARKSKY PORT MARINE TERMINAL FEES.
    B. LIGHTING CRITERIA

    OPERATIONAL LIGHTING
    a. CCT - 4000K
    b. OSHA 1917.123 - 5 FOOT-CANDLE AVERAGE WORK ZONE
    c. OSHA 1917.123 - MINIMUM 0.5 FOOT-CANDLE WITHIN WORK ZONE
    d. CONFORMANCE WITH DARKSKY PROGRAM CRITERIA

    NON-OPERATIONAL LIGHTING
    a. CCT - 4000K
    b. OSHA 1917.123 - SECURITY LIGHTING, MINIMUM 0.5 FOOT-CANDLE WITHIN WORK ZONE
    c. CONFORMANCE WITH DARKSKY PROGRAM CRITERIA

    C. LIGHTING CONTROLS

    OPERATIONAL LIGHTING
    a. ON: MANUAL
    b. OFF: TIMECLOCK OR MANUAL

    NON-OPERATIONAL LIGHTING
    a. ON: TIMECLOCK OR MANUAL
    b. OFF: TIMECLOCK OR MANUAL

    D. LIGHTING ZONES

    OPERATIONAL
    a. NORTH BOUNDARY: FENCE
    b. SOUTH BOUNDARY: FENDER LINE
    c. EAST BOUNDARY: EDGE OF WHARF
    d. WEST BOUNDARY: BERTH 302

    NON-OPERATIONAL LIGHTING
    a. NORTH BOUNDARY: FENCE
    b. SOUTH BOUNDARY: FENDER LINE
    c. EAST BOUNDARY: EDGE OF WHARF
    d. WEST BOUNDARY: BERTH 302

CABLE DESIGNATION
(1111)

CABLE NUMBER CALLOUT

1. DESIGNATION FOR CABLE NUMBERS ARE TO DEFINE CABLE AND CONDUIT SIZE OF CIRCUIT.
2. REFER TO CABLE SCHEDULES TO DEFINE TERMINATION POINTS, CONDUIT, AND WIRE SIZE OF ALL CABLE NUMBERS.
3. REFER TO PANEL SCHEDULES FOR ADDITIONAL CLARIFICATION OF CABLE SCHEDULE TERMINATION POINTS.

LEGEND

ALL SYMBOLS ARE NOT NECESSARILY USED

- ELECTRICAL CONDUIT
- ELECTRICAL CONDUIT UNDERGROUND.
- ELECTRICAL CONDUIT UNDERGROUND, CONCRETE ENCASED UON
- EXISTING UNDERGROUND ELECTRICAL
- ELECTRICAL HANDHOLE (AS NOTED)
- PANELBOARD
- ELECTRICAL EQUIPMENT, AS NOTED
- GFI RECEPTACLE
- E# WP ### — WORKING POINT #, REFER TO E-403 FOR WP TABLE
- METER
- SOLAR POWERED WARNING LIGHT
- SPECIALTY RECEPTACLE
- HIGH MAST LIGHT (HML#)

ABBREVIATIONS

ALL ABBREVIATIONS ARE NOT NECESSARILY USED

1P	SINGLE POLE, OR AS INDICATED	KCMIL	THOUSAND CIRCULAR MILS
2P	TWO POLE, OR AS INDICATED	KWH	KILOWATT HOUR
3P	THREE POLE, OR AS INDICATED	KV	KILOVOLT
A	AMPERES	KVA	KILOVOLT AMPERE
AC	ALTERNATING CURRENT	KW	KILOWATT
AFF	ABOVE FINISHED FLOOR	LC	LANDSIDE CONTRACTOR
AIC	AMPERES INTERRUPTING CAPACITY	LTG	LIGHTING
AM	AMPERAGE METER/AMMETER	mA	MILLIAMP
AWG	AMERICAN WIRE GAGE	MCB/MB	MAIN CIRCUIT BREAKER
BFE	BASE FLOOD ELEVATION	MECH	MECHANICAL
C, CND	CONDUIT	MLO	MAIN LUG ONLY
CATV	CABLE TELEVISION	N/A	NOT APPLICABLE (N/A)
CB	CIRCUIT BREAKER	NEUT	NEUTRAL WIRE
CIP	CAST IN PLACE	NEC	NATIONAL ELECTRICAL CODE
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CO	CONDUIT ONLY	NTS	NOT TO SCALE
COMM	COMMUNICATIONS	OC	ON CENTER
CONC	CONCRETE	P	POLE
CT	CURRENT TRANSFORMER	PB	PULL BOX
DC	DIRECT CURRENT	PC	PHOTOCELL
DFE	DESIGN FLOOD ELEVATION	PH,Ø	PHASE
DIA	DIAMETER	PNL, PNBD	PANEL, PANELBOARD
DWG	DRAWING	PVC	POLYVYNIL CHLORIDE
EC	EMPTY CONDUIT	PVMT	PAVEMENT
EL, ELEV	ELEVATION	RECEPT	RECEPTACLE
ELEC	ELECTRIC/ELECTRICAL	SC	SHORT CIRCUIT
EX, EXIST	EXISTING, EXIST'G	SCH	SCHEDULE
FHC	FIRE HOSE CABINET	SPD	SURGE PROTECTION DEVICE
FO	FIBER OPTIC	SS	STAINLESS STEEL
FVNR	FULL VOLTAGE NON-REVERSING	SWBD	SWITCHBOARD
FVR	FULL VOLTAGE REVERSING	TBD	TO BE DETERMINED
G, GND	GROUND	TECO	TAMPA ELECTRIC COMPANY
GF	GROUND FAULT	TERM	TERMINAL
GFEP	GROUND FAULT EQUIPMENT PROTECTION	TYP	TYPICAL
GFI, GFIC	GROUND FAULT INTERRUPTER	UL	UNDERWRITERS LABORATORIES
GFM	GROUND FAULT MONITOR	UON	UNLESS OTHERWISE NOTED
HOA	HAND OFF AUTO SELECTOR SWITCH	V	VOLT
HP	HORSE POWER	VIF	VERIFY IN FIELD
HTR	HEATER	VERT	VERTICAL
Hz	HERTZ, CYCLES PER SECOND	W	WATT
INST	INSTRUMENT, INSTRUMENTATION	WP	WEATHER PROOF
IT	INFORMATION TECHNOLOGY	XFMR	TRANSFORMER
JBOX	JUNCTION BOX		

ISSUED FOR PERMITTING
MARCH 2025

727

REVISION DESCRIPTION

BERTH 301

ELECTRICAL NOTES (2 OF 2)

SEAL

moffatt & nichol

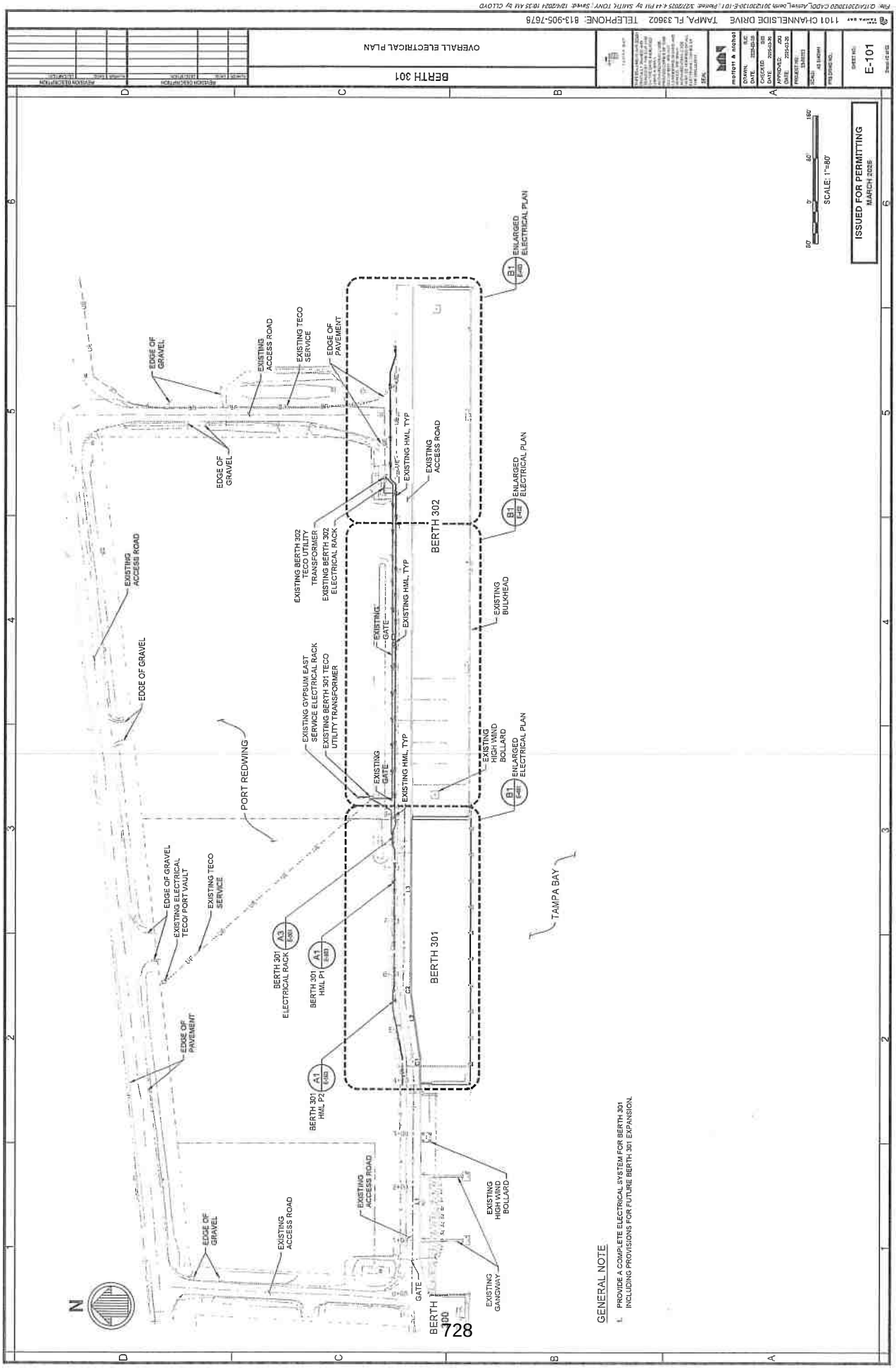
DRAWN: RJC
DATE: 2025-03-28
CHECKED: SJS
DATE: 2025-03-28
APPROVED: JDS
DATE: 2025-03-28
PROJECT NO.: 13-00321
SCALE: AS SHOWN
PTB DRWG NO.:
SHEET NO.: E-002

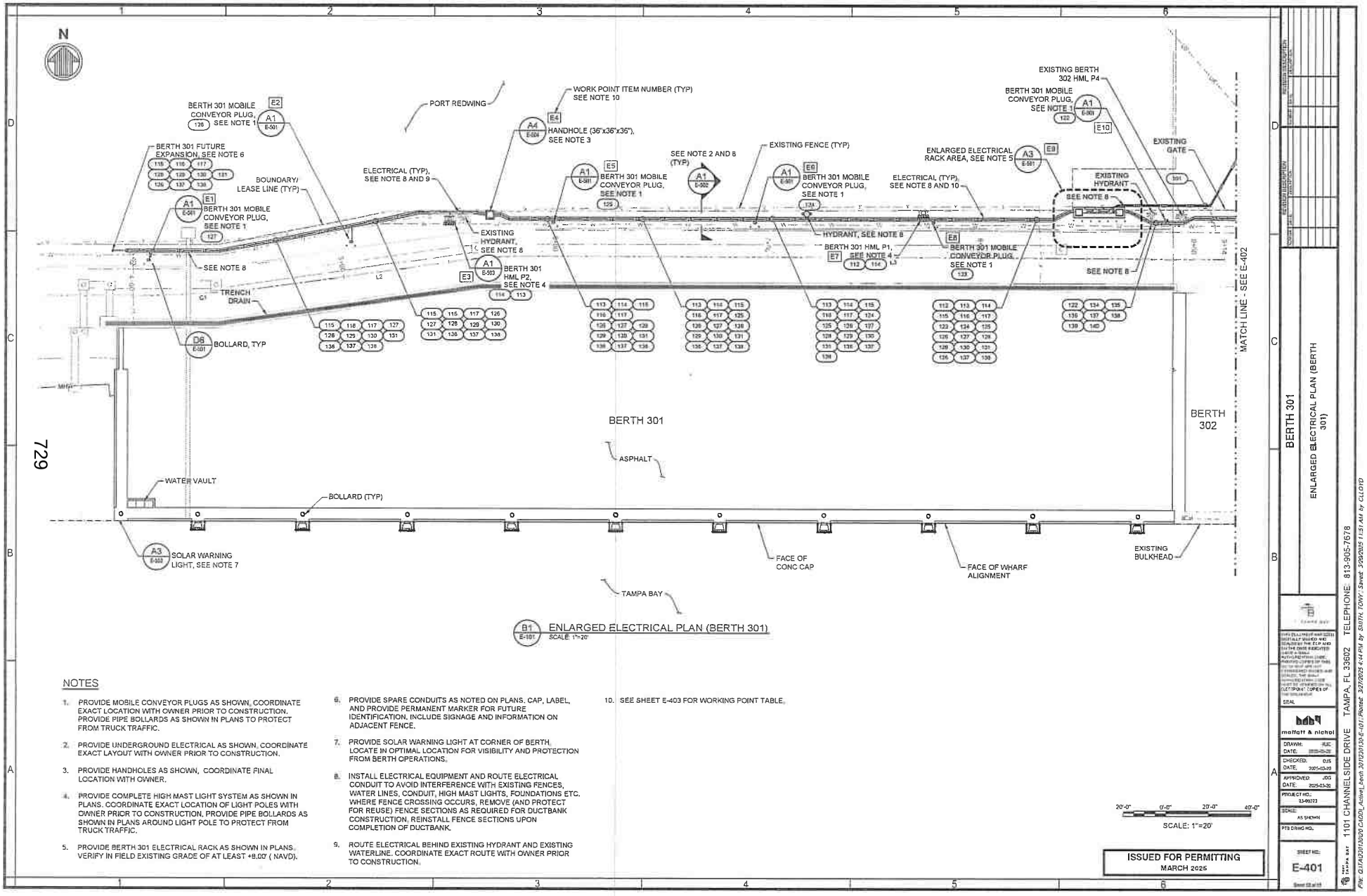
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: C:\TAS\2013\0026 CADD_Active_berth 301\2501\26-E-002.rvt Printed: 3/7/2025 1:43 PM by Smith, TONY Saved: 11/5/2024 10:54 AM by RODRIGUEZ

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39





729

NOTES

1. PROVIDE MOBILE CONVEYOR PLUGS AS SHOWN. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE PIPE BOLLARDS AS SHOWN IN PLANS TO PROTECT FROM TRUCK TRAFFIC.
2. PROVIDE UNDERGROUND ELECTRICAL AS SHOWN. COORDINATE EXACT LAYOUT WITH OWNER PRIOR TO CONSTRUCTION.
3. PROVIDE HANDHOLES AS SHOWN, COORDINATE FINAL LOCATION WITH OWNER.
4. PROVIDE COMPLETE HIGH MAST LIGHT SYSTEM AS SHOWN IN PLANS. COORDINATE EXACT LOCATION OF LIGHT POLES WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE PIPE BOLLARDS AS SHOWN IN PLANS AROUND LIGHT POLE TO PROTECT FROM TRUCK TRAFFIC.
5. PROVIDE BERTH 301 ELECTRICAL RACK AS SHOWN IN PLANS. VERIFY IN FIELD EXISTING GRADE OF AT LEAST +8.00' (NAVD).
6. PROVIDE SPARE CONDUITS AS NOTED ON PLANS. CAP, LABEL, AND PROVIDE PERMANENT MARKER FOR FUTURE IDENTIFICATION. INCLUDE SIGNAGE AND INFORMATION ON ADJACENT FENCE.
7. PROVIDE SOLAR WARNING LIGHT AT CORNER OF BERTH. LOCATE IN OPTIMAL LOCATION FOR VISIBILITY AND PROTECTION FROM BERTH OPERATIONS.
8. INSTALL ELECTRICAL EQUIPMENT AND ROUTE ELECTRICAL CONDUIT TO AVOID INTERFERENCE WITH EXISTING FENCES, WATER LINES, CONDUIT, HIGH MAST LIGHTS, FOUNDATIONS ETC. WHERE FENCE CROSSING OCCURS, REMOVE (AND PROTECT FOR REUSE) FENCE SECTIONS AS REQUIRED FOR DUCTBANK CONSTRUCTION. REINSTALL FENCE SECTIONS UPON COMPLETION OF DUCTBANK.
9. ROUTE ELECTRICAL BEHIND EXISTING HYDRANT AND EXISTING WATERLINE. COORDINATE EXACT ROUTE WITH OWNER PRIOR TO CONSTRUCTION.
10. SEE SHEET E-403 FOR WORKING POINT TABLE.

ISSUED FOR PERMITTING
MARCH 2025

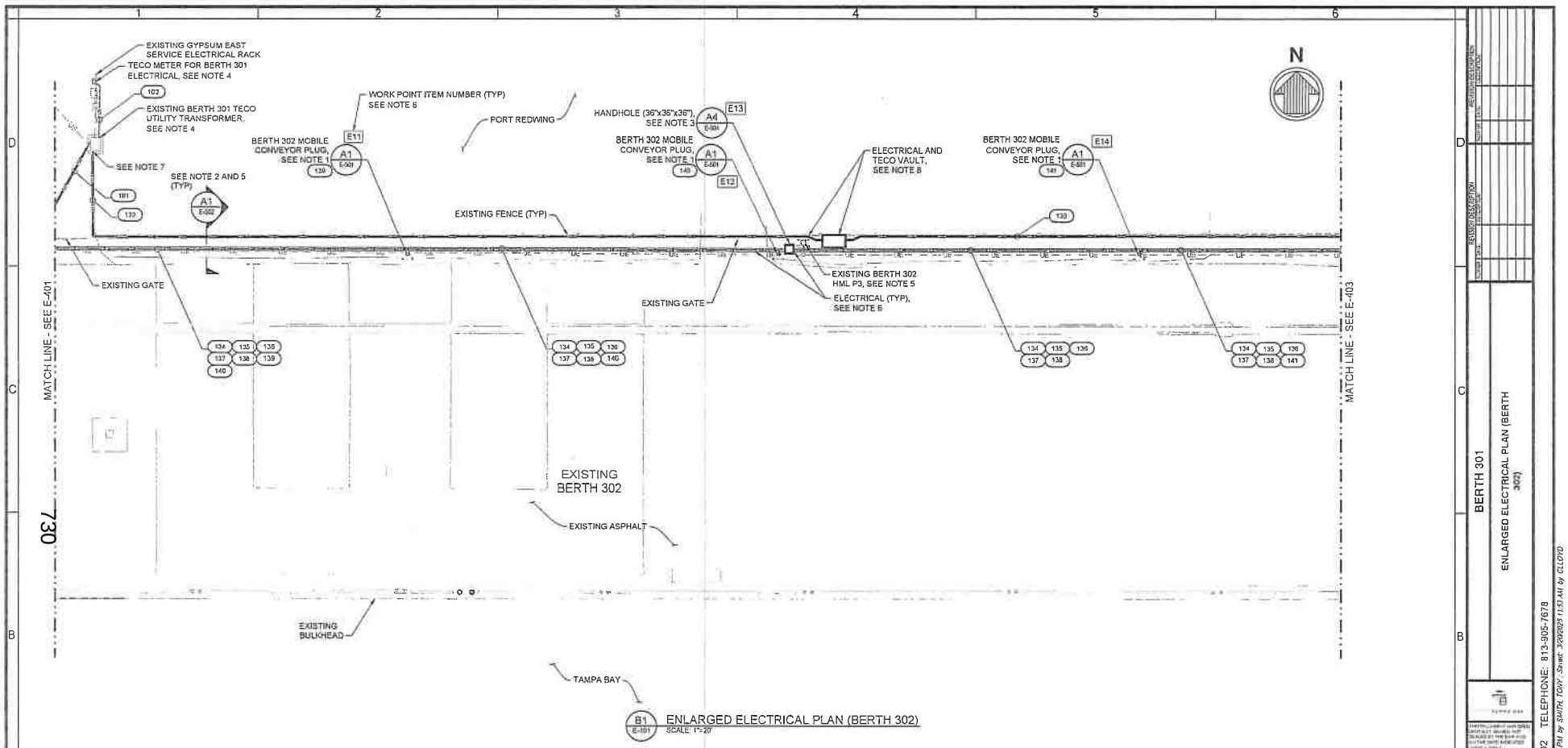
BERTH 301
ENLARGED ELECTRICAL PLAN (BERTH 301)

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

DRAWN: RJC
DATE: 2025-03-26
CHECKED: DJS
DATE: 2025-03-26
APPROVED: JDG
DATE: 2025-03-26
PROJECT NO.: 23-90273
SCALE: AS SHOWN
PTB DRWG NO.
SHEET NO.: E-401

File: Q:\TA\23\90273\CADD_Active_berth 301\23130-E-401 Plotted: 3/27/2025 4:44 PM by SMITH, TONY; Sheet: 3/26/2025 11:31 AM by CLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



NOTES

1. PROVIDE MOBILE CONVEYOR PLUGS AS SHOWN, COORDINATE EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE PIPE BOLLARDS AS SHOWN IN PLANS TO PROTECT FROM TRUCK TRAFFIC.
2. PROVIDE UNDERGROUND ELECTRICAL AS SHOWN, COORDINATE EXACT LAYOUT WITH OWNER PRIOR TO CONSTRUCTION.
3. PROVIDE HANDHOLES AS SHOWN, COORDINATE FINAL LOCATION WITH OWNER.
4. COORDINATE WITH TECO FOR SERVICE FROM EXISTING TECO UTILITY TRANSFORMER. COORDINATE REQUIREMENTS FOR NEW SERVICE TO BERTH 301 ELECTRICAL RACK.
5. INSTALL ELECTRICAL EQUIPMENT AND ROUTE ELECTRICAL CONDUIT TO AVOID INTERFERENCE WITH EXISTING FENCES, WATER LINES, CONDUIT, HIGH MAST LIGHTS, FOUNDATIONS ETC. WHERE FENCE CROSSING OCCURS, REMOVE (AND PROTECT FOR REUSE) FENCE SECTIONS AS REQUIRED FOR DUCTBANK CONSTRUCTION. REINSTALL FENCE SECTIONS UPON COMPLETION OF DUCTBANK.
6. SEE SHEET E-403 FOR WORKING POINT TABLE.
7. COORDINATE SPARE PRIMARY CONDUIT STUB-UP INTO PRIMARY SIDE OF TRANSFORMER SECTION WITH TECO.
8. COORDINATE DUCTBANK AND VAULT REQUIREMENTS WITH TECO. PROVIDE PER TECO STANDARDS.

ISSUED FOR PERMITTING
MARCH 2025

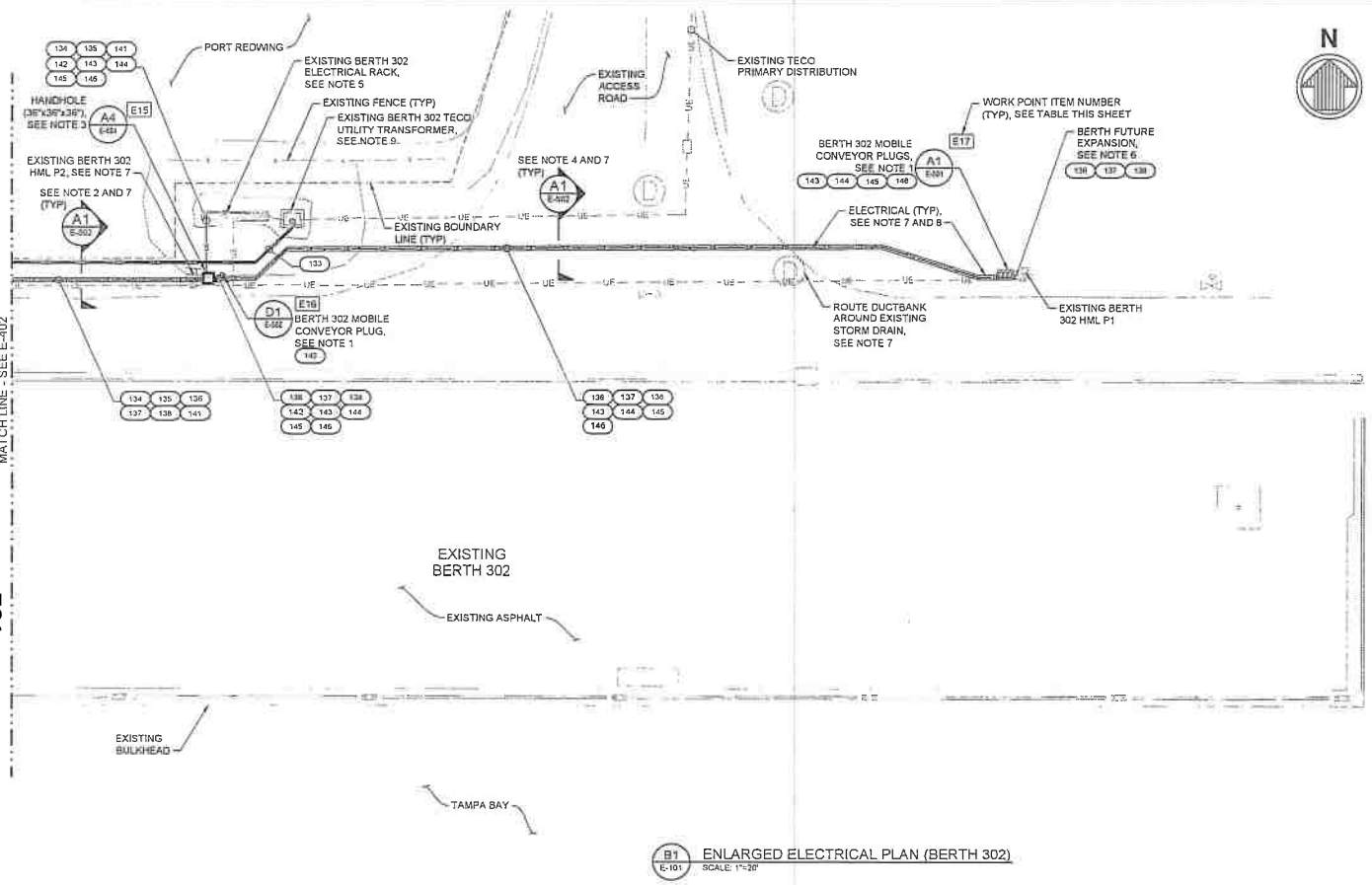
BERTH 301
ENLARGED ELECTRICAL PLAN (BERTH 302)

moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

DRAWN: RJC DATE: 2025-03-28
CHECKED: SLB DATE: 2025-03-28
APPROVED: JDC DATE: 2025-03-28
PROJECT NO.: 23-00373
SCALE: AS SHOWN
PTB DRWG NO.:
SHEET NO.: E-402
Sheet 51 of 52

File: D:\TAMPA\01\00\CADD_Active_berth 301\2301301-E-402_Plotted: 3/27/2025 1:45 PM by SMITH, TONY . Saved: 3/26/2025 11:53 AM by CLLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



B1 E-101 ENLARGED ELECTRICAL PLAN (BERTH 302)
SCALE: 1"=20'

ELECTRICAL EQUIPMENT WORKING POINT TABLE		
ITEM NO.	NORTHING	EASTING
E1	1263246.1927	524674.6698
E2	1263255.2371	524769.6698
E3	1263266.1595	524815.3201
E4	1263268.0158	524834.3875
E5	1263264.7322	524864.6698
E6	1263264.7322	524959.6698
E7	1263269.1130	525038.1906
E8	1263264.7322	525043.4107
E9	1263269.7940	525120.7010
E10	1263266.2314	525152.6695
E11	1263264.7322	525324.6698
E12	1263264.7067	525476.6698
E13	1263266.8081	525480.5536
E14	1263264.7435	525624.6698
E15	1263266.9251	525769.3987
E16	1263268.1873	525774.6696
E17	1263268.8636	526036.1694

NOTE: WORK POINTS ARE LOCATED AT THE CENTER OF ELECTRICAL EQUIPMENT

NOTES

1. PROVIDE MOBILE CONVEYOR PLUGS AS SHOWN, COORDINATE EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE PIPE BOLLARDS AS SHOWN IN PLANS TO PROTECT FROM TRUCK TRAFFIC.
2. PROVIDE UNDERGROUND ELECTRICAL AS SHOWN, COORDINATE EXACT LAYOUT WITH OWNER PRIOR TO CONSTRUCTION.
3. PROVIDE HANDHOLES AS SHOWN. COORDINATE FINAL LOCATION WITH OWNER.
4. PROVIDE CONCRETE ENCASED UNDERGROUND ELECTRICAL AS SHOWN, COORDINATE EXACT LAYOUT WITH OWNER PRIOR TO CONSTRUCTION.
5. PROVIDE ELECTRICAL AS SHOWN IN PLANS FOR BERTH 302 MOBILE CONVEYOR PLUGS. PROVIDE ALL CIRCUITS AND ADDITIONAL REQUIREMENTS FOR NEW MOBILE CONVEYOR PLUGS AS SHOWN. REFER TO RISER DIAGRAM, CABLE AND PANEL SCHEDULES FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION OF ELECTRICAL WITH OWNER PRIOR TO CONSTRUCTION. STUB UP RGS CONDUIT AT EDGE OF EXISTING EQUIPMENT PAD AND ROUTE CONDUITS TO PANEL WITHOUT INTERFERENCE TO OPENING AND OPERATION OF EXISTING PANELS.
6. PROVIDE SPARE CONDUITS AS NOTED ON PLANS. CAP, LABEL, AND PROVIDE PERMANENT MARKER FOR FUTURE IDENTIFICATION. INCLUDE SIGNAGE AND INFORMATION ON ADJACENT FENCE.
7. INSTALL ELECTRICAL EQUIPMENT AND ROUTE ELECTRICAL CONDUIT TO AVOID INTERFERENCE WITH EXISTING FENCES, WATER LINES, CONDUIT, HIGH MAST LIGHTS, FOUNDATIONS ETC.WHERE FENCE CROSSING OCCURS, REMOVE (AND PROTECT FOR REUSE) FENCE SECTIONS AS REQUIRED FOR DUCTBANK CONSTRUCTION. REINSTALL FENCE SECTIONS UPON COMPLETION OF DUCTBANK.
8. COORDINATE SPARE PRIMARY CONDUIT STUB-UP INTO PRIMARY SIDE OF TRANSFORMER SECTION WITH TECO.

20'-0" 0'-0" 20'-0" 40'-0"
SCALE: 1"=20'

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ENLARGED ELECTRICAL PLAN (BERTH 302)

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

SEAL

mattort & nichol

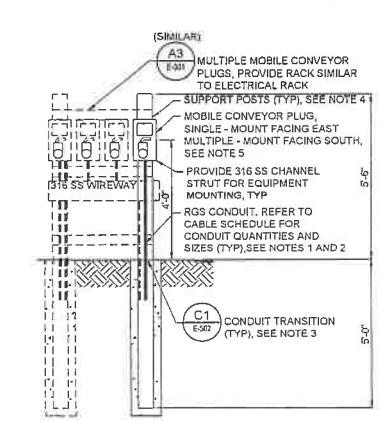
DRAWN: RJC
DATE: 2025-03-28
CHECKED: DJS
DATE: 2025-03-28
APPROVED: JDM
DATE: 2025-03-28
PROJECT NO.: 23-0325
SCALE: AS SHOWN
FTB DRWG NO.:

SHEET NO.: E-403
Sheet 52 of 58

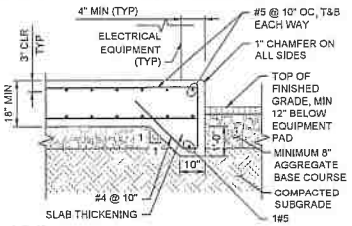
731

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

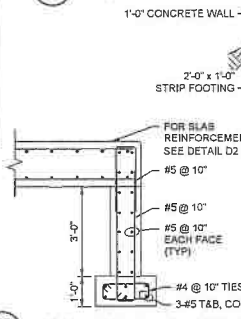
File: C:\TAJ\2019\2020 CADD_Active_Berth 301\2301\E-401.Plotted: 3/27/2025 4:45 PM by SMITH, TONY. Saved: 3/26/2025 11:53 AM by CLLOYD



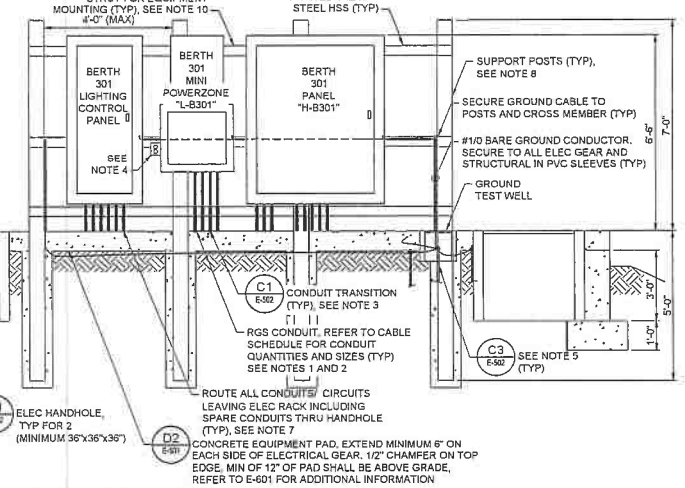
ELEVATION - MOBILE CONVEYOR PLUG



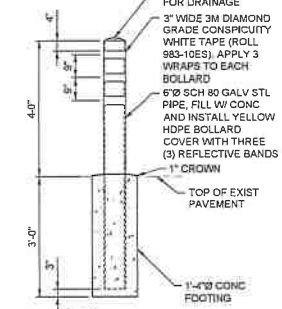
D2 E-601 DETAIL - ELECTRICAL EQUIPMENT PAD
SCALE: NTS



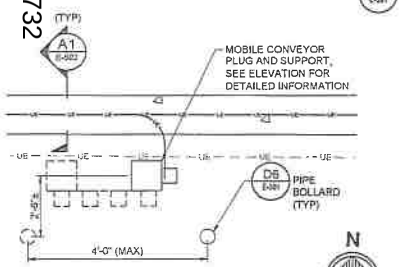
C2 E-501 EQUIPMENT PAD WITH CONCRETE WALL BELOW
SCALE: NTS



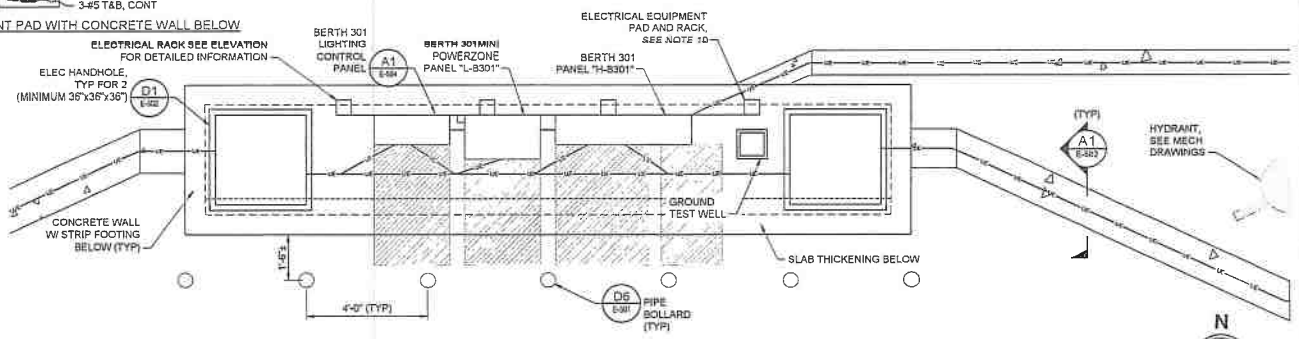
ELEVATION - ELECTRICAL RACK



D6 E-601 DETAIL - PIPE BOLLARD
SCALE: NTS



PLAN VIEW



PLAN VIEW

NOTES

1. PROVIDE GROUND BUSHINGS ON ALL CONDUITS.
2. PROVIDE CONDUIT AND CONDUCTORS FOR ALL DEVICES SHOWN ON THIS DETAIL. REFER TO SINGLE LINE AND PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
3. TRANSITION FROM PVC TO RGS CONDUIT UNDERGROUND PRIOR TO CONDUIT ELBOW.
4. PROVIDE 6"x6"x1/2" SQUARE TUBE STEEL FILLED WITH CONCRETE. PAINT WITH (2) COATS OF ZINC PRIMER AND (2) GRAY FINISH COATS OF PAINT. EMBED TUBE STEEL MINIMUM 5'-0" INTO 1'-3"Ø CONCRETE FOOTING. CONCRETE TO BE 4000 PSI.
5. PROVIDE 100A, 480V, 3Ø, 4W PIN & SLEEVE, NEMA 4X CIRCUIT BREAKER INTERLOCKED RECEPTACLE. SEE E-002 FOR MODEL NUMBER AND ADDITIONAL INFORMATION.

A1 E-501 DETAIL - MOBILE CONVEYOR PLUG
SCALE: 1/2"=1'-0"
E-401, E-402, E-403

NOTES

1. PROVIDE GROUND BUSHINGS ON ALL CONDUITS.
2. PROVIDE CONDUIT AND CONDUCTORS FOR ALL DEVICES SHOWN ON THIS DETAIL. REFER TO SINGLE LINE AND PANEL SCHEDULE FOR ADDITIONAL INFORMATION.
3. TRANSITION FROM PVC TO RGS CONDUIT UNDERGROUND PRIOR TO CONDUIT ELBOW.
4. PROVIDE GFCI WEATHER RESISTANT DUPLEX RECEPTACLES WITH 20A BREAKER AND WEATHERPROOF IN-USE BOX WITH SELF CLOSER. PROVIDE 2#12, #12 GND IN 3/4" RGS CONDUIT FROM MINI POWERZONE.
5. CONNECT EACH PANEL AND TRANSFORMER TO MINIMUM (3) GROUND RODS WITH 10' MINIMUM SEPARATION IN A TRIAD ARRANGEMENT.
6. COORDINATE ADDITIONAL METER REQUIREMENTS WITH TECO PRIOR TO INSTALLATION. COORDINATE METER MODEL WITH TECO.
7. STUB UP ALL SPARE CONDUITS AT RACK, CONTINUE 12" BEYOND EDGE OF EQUIPMENT PAD FOR FUTURE USE. CAP, LABEL, AND INCLUDE PAVEMENT MARKER.
8. PROVIDE 6"x6"x1/2" SQUARE TUBE STEEL FILLED WITH CONCRETE. PAINT WITH (2) COATS OF ZINC PRIMER AND (2) GRAY FINISH COATS OF PAINT. EMBED TUBE STEEL MINIMUM 5'-0" INTO 1'-3"Ø CONCRETE FOOTING. CONCRETE TO BE 4000 PSI.
9. VERIFY IN FIELD EXISTING GRADE OF AT LEAST +8.00'. COORDINATE WITH CIVIL CONTRACTOR FOR ADDITIONAL FILL AROUND ELECTRICAL RACK TO MEET ELECTRICAL RACK EQUIPMENT REQUIREMENTS AS SHOWN ON E-601. EQUIPMENT PAD NOT TO EXCEED 16" ABOVE FINISH GRADE. PROVIDE A MAXIMUM 4:1 SLOPE OF GRADE FROM ELECTRICAL RACK TO EXISTING ADJACENT GRADE. COORDINATE WITH TECO NEW SERVICE FROM EXISTING TECO UTILITY TRANSFORMER. PROVIDE ALL CONDUIT AND ADDITIONAL REQUIREMENTS FOR NEW SERVICE TO BERTH 301 ELECTRICAL RACK. COORDINATE EXACT LOCATION OF ELECTRICAL RACK WITH OWNER PRIOR TO CONSTRUCTION. PROVIDE PIPE BOLLARDS AS SHOWN IN PLANS AROUND ELECTRICAL RACK TO PROTECT FROM TRUCK TRAFFIC.
10. PROVIDE SS HARDWARE FOR ALL ELECTRICAL EQUIPMENT SECURED TO ELECTRICAL RACK AND SUPPORTS.

A3 E-401 DETAIL - BERTH 301 ELECTRICAL EQUIPMENT RACK
SCALE: 1/2"=1'-0"
E-101, E-501

2' 0'-0" 2' 4'
SCALE: 1/2"=1'-0"

ISSUED FOR PERMITTING
MARCH 2025

732

BERTH 301
ELECTRICAL DETAILS (1 OF 3)

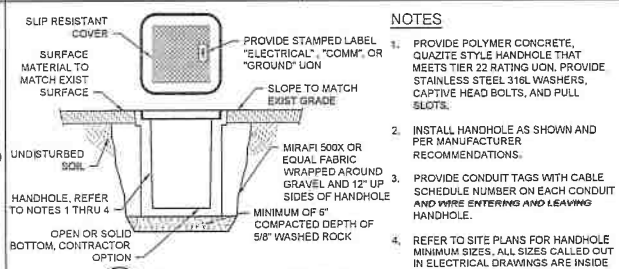
moffatt & nichol
1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

DRAWN: SJC
DATE: 2025-05-01
CHECKED: SES
DATE: 2025-05-01
APPROVED: JDG
DATE: 2025-05-01
PROJECT NO. 034035
SCALE: AS SHOWN
PIS #/TASK NO.:
SHEET NO. E-501
Sheet 93 of 93

File: D:\TA2301\3020 CADD_Active_North\301301E-501. Plotted: 3/27/2025 1:46 PM by SMITH, TONY. Saved: 3/26/2025 11:54 AM by CLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

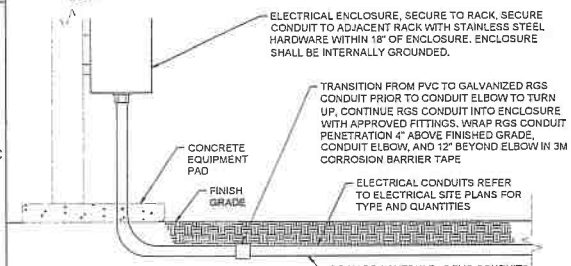
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



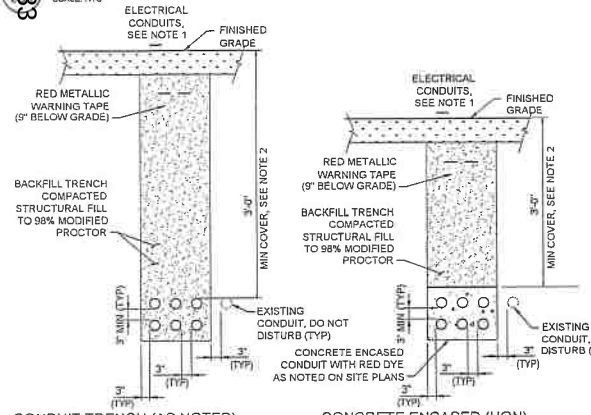
D1 E-501 DETAIL - ELECTRICAL HANDHOLE
SCALE: NTS

NOTES

1. PROVIDE POLYMER CONCRETE, QUAZITE STYLE HANDHOLE THAT MEETS TIER 22 RATING UON. PROVIDE STAINLESS STEEL 316L WASHERS, CAPTIVE HEAD BOLTS, AND PULL SLOTS.
2. INSTALL HANDHOLE AS SHOWN AND PER MANUFACTURER RECOMMENDATIONS.
3. PROVIDE CONDUIT TAGS WITH CABLE SCHEDULE NUMBER ON EACH CONDUIT ***AND WIRE ENTERING AND LEAVING*** HANDHOLE.
4. REFER TO SITE PLANS FOR HANDHOLE MINIMUM SIZES. ALL SIZES CALLED OUT IN ELECTRICAL DRAWINGS ARE INSIDE CLEAR DIMENSIONS.



7733 SECTION - TYPICAL CONDUIT TRANSITION BURIED TO ABOVE GROUND
SCALE: NTS

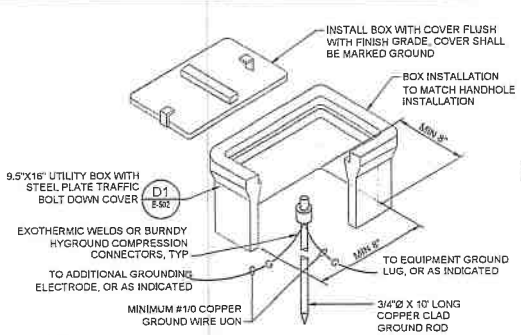


CONDUIT TRENCH (AS NOTED) CONCRETE ENCASED (UON)

NOTES

1. REFER TO PLAN LAYOUTS AND CABLE SCHEDULE FOR CONDUIT/ CIRCUIT TYPE, CONDUIT SIZE, AND QUANTITY OF CONDUITS.
2. 36" MINIMUM DEPTH UON, EXACT DEPTH TO BE COORDINATED WITH CIVIL, STRUCTURAL, AND EXISTING CONDITIONS. DEPTH LESS THAN 36" TO BE APPROVED BY ENGINEER OR AS NOTED ON DRAWINGS.
3. MINIMUM OF 3" SEPARATION OF CONDUITS (TYP).
4. LOCATE EXISTING CONDUIT PRIOR TO TRENCHING (TYP).

A1 E-501 SECTION - TYPICAL CONDUIT TRENCH
SCALE: NTS
E-401, E-402, E-403

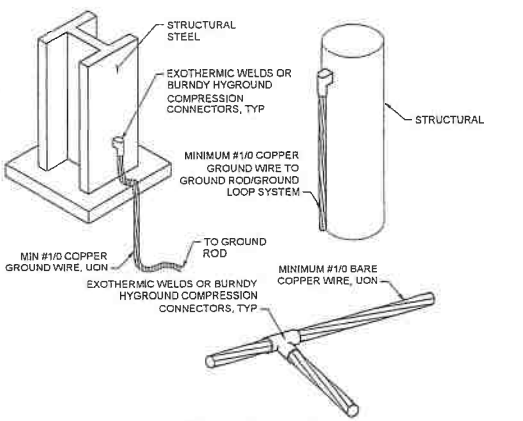


NOTE:
1. REFER TO HANDHOLE DETAIL THIS SHEET FOR TEST WELL BOX.
2. PROVIDE MINIMUM (1) TEST WELL AT ALL ELECTRICAL EQUIPMENT RACKS.

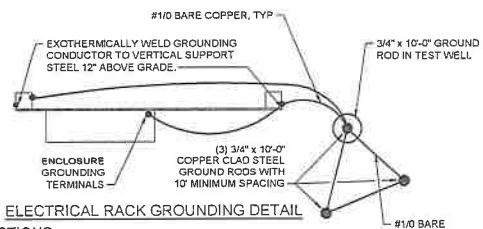
TEST WELL

GROUNDING NOTES

1. PROVIDE GROUNDING AND GROUND RODS AS SHOWN ON PLANS FOR ALL ELECTRICAL PANELS, BUILDINGS, EQUIPMENT PADS, STRUCTURAL STEEL, AND EQUIPMENT INCLUDED IN THESE DRAWINGS.
2. PROVIDE A COMPLETE, CONTINUOUS GROUNDING SYSTEM.
3. CONNECT GROUND RODS TO GROUNDED COMPONENT WITH MINIMUM #1/0 BARE COPPER WIRE, UON. EXOTHERMICALLY WELD WIRE OR BURNDY HYGROUND COMPRESSION CONNECTORS ARE ACCEPTABLE BONDS.
4. GROUND EQUIPMENT PADS, BUILDINGS AND FOUNDATIONS A MINIMUM OF **2 PLACES** AT OPPOSITE CORNERS, UON.
5. PROTECT GROUND WIRE EMERGING FROM UNDERGROUND WITH 1" PVC CONDUIT AS SHOWN IN DETAILS.

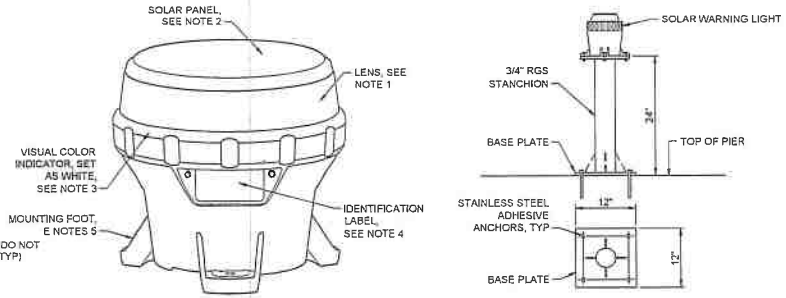


GROUNDING AND CONNECTIONS



ELECTRICAL RACK GROUNDING DETAIL

C3 E-501 DETAILS - TYPICAL GROUNDING CONNECTIONS
SCALE: NTS



1. UV RESISTANT, POLYCARBONATE/POLYSOLAXANE CO-POLYMER BODY AND LENS MATERIAL. DOUBLE O-RING SEALING WITH WATERPROOF VENT. REPLACEABLE BATTERY PACK WITH STATUS FEEDBACK. SOLAR PANEL WITH BYPASS BLOCKING DIODE FUNCTION AND MAXIMUM POWER POINT (MPPT).
2. LED LIGHT SOURCE WITH TEMPERTURE-CORRECTED LED DRIVERS. SELECTABLE FLASH PATTERNS. SELECTABLE INTENSITY FROM 25 TO 925 LUX. SELECTABLE COLOR TO BE WHITE
3. LUMINAIRE SHALL BE MANUFACTURER SABIK MARINE MODEL: #M550 OR APPROVED EQUAL. -45 TO 124 FAHRENHEIT AMBIENT OPERATING TEMPERATURE. USCG PATON 33CFR65 & CFR67 CLASS C COMPLAINT.
4. SOLAR POWER WARNING LIGHT SHALL BE INSTALLED ON AS SHOWN ON DRAWINGS. PROVIDE STANCHION MOUNT AS SHOWN. SECURE WARNING LIGHT WITH 316 STAINLESS STEEL HARDWARE. LOCATE LIGHT IN OPTIMUM LOCATION VISIBLE TO APPROACHING VESSELS, PROTECTED FROM ARTIFICIAL LIGHT SOURCES AND PROTECTION FROM POSSIBLE DAMAGE.

A3 E-401 SOLAR WARING LIGHT WITH STACHION MOUNT
SCALE: NTS

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ELECTRICAL DETAILS (2 OF 3)

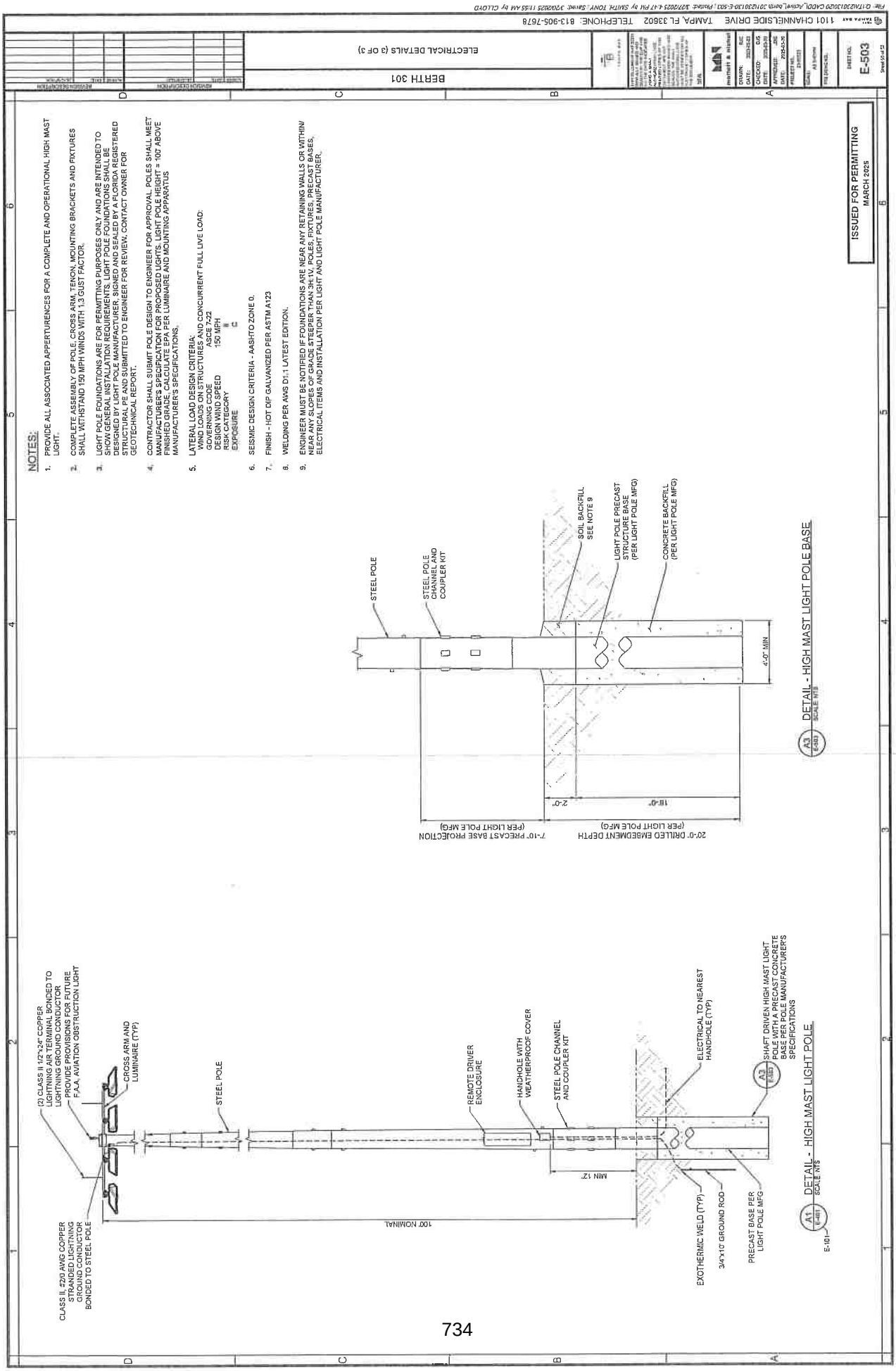
moffatt & nichol
DRAWN: TJC
DATE: 2025-02-03
CHECKED: DJS
DATE: 2025-03-29
APPROVED: JDS
DATE: 2025-03-29

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

SHEET NO. E-502
Sheet 54 of 72

File: G:\TAM\301\300\CADD_Admin_Berth 301\E301B-E-502, Plotted: 3/27/2025 4:46 PM by: SMITH, TONY Saved: 3/26/2025 11:54 AM by CLOYD

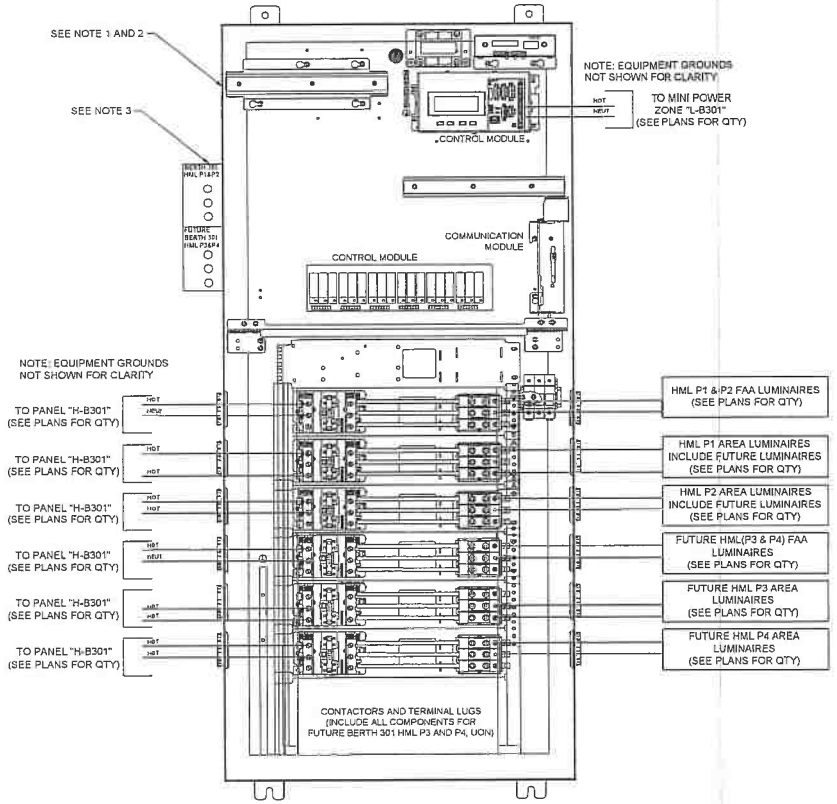
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

LUMINAIRE SCHEDULE

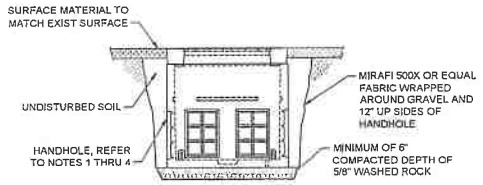
LUMINAIRE POLE #	# OF LUMINAIRES PER POLE	MANUFACTURER	LUMINAIRE MODELS	VOLT-AMPS	VOLTS	HEIGHT	NOTES
HML P1, HML P2	4 + 3 FUTURE	MUSCO LIGHTING	TLC-LED-550 OR ENGINEER APPROVED EQUAL	4860	480V	100'	
HML P1, HML P2	1	POINT LIGHTING	POL-21005-1F-R-34B-52-P OR ENGINEER APPROVED EQUAL	36	277V	100'	FAA OBSTRUCTION LIGHT



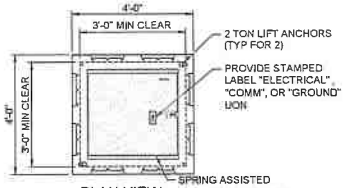
NOTES

1. LIGHTING CONTROL PANEL, NEMA 4 PAINTED ALUMINUM, WITH MINIMUM OF (5) LIGHTING CONTACTORS AND ASTRONOMICAL TIMECLOCK: CONTROL-LINK SYSTEM OR APPROVED EQUAL.
2. PROVIDE ALL COMPONENTS AND INTERNAL WIRING FOR MINIMUM OF (2) ADDITIONAL HML'S, THIS IS TO INCLUDE RELAYS, PUSH BUTTON CONTROL, AND ADDITIONAL NAVIGATION LIGHTS FOR FUTURE BERTH 301 EXPANSION OF HML P3 AND P4.
3. LIGHTING CONTROL CRITERIA (REFER TO E-002 FOR ADDITIONAL INFORMATION):
   - A. ASTRONOMICAL TIME CLOCK SHALL TURN ON HML AREA LUMINAIRES AT DUSK AND SHALL DEFAULT TO A DEMAND OUTPUT SO THAT BERTH 301 EXTENSION IS AT 1 FC AVERAGE WITH A SINGLE POINT MINIMUM OF 0.5 FC. REFER TO E-002 FOR AREA BOUNDARIES.
   - B. WHEN THE "OPERATIONAL HML" PUSH BUTTON IS ACTIVATED HML AREA LUMINAIRES SHALL HAVE OUTPUT TO ACHIEVE 5FC AVERAGE FOR BERTH 301 (REFER TO E-002 FOR AREA BOUNDARIES). WHEN "SECURITY" PUSH BUTTON IS ACTIVATED, THE DEFAULT LIGHT OUTPUT SETTINGS SHALL BE RESTORED. WHEN THE "OFF" PUSH BUTTON IS ACTIVATED, ALL LIGHTS SHALL TURN OFF. IN THE EVENT LIGHTS ARE LEFT ON OR OFF, THE LIGHTS WILL RETURN TO THE "NON-OPERATIONAL" LIGHTING LEVELS AT THE NEXT ASTRONOMICAL TIME CLOCK CYCLE.
   - C. FAA AVATION OBSTRUCTION LIGHTS SHALL REMAIN ON FROM DUSK TO DAWN.
3. PROVIDE WEATHERPROOF 3 -HOLE CONTROL STATION WITH (3) SS TYPE, 316 MOMENTARY CONTACT PUSH BUTTONS FOR HML LIGHTING. PROVIDE PHENOLIC LABEL FOR ALL COMPONENTS OF CONTROL.

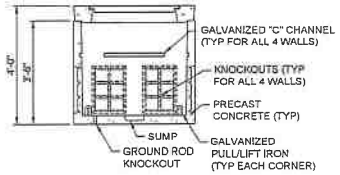
A1 E-501 LIGHTING CONTROL PANEL DETAIL
SCALE: NTS



HANDHOLE



PLAN VIEW



SECTION

NOTES

1. PROVIDE PRECAST CONCRETE HANDHOLE THAT MEETS H20 RATING UON. PROVIDE STAINLESS STEEL 316L WASHERS, CAPTIVE HEAD BOLTS, AND PULL SLOTS.
2. INSTALL HANDHOLE AS SHOWN AND PER MANUFACTURER RECOMMENDATIONS.
3. PROVIDE CONDUIT TAGS WITH CABLE SCHEDULE NUMBER ON EACH CONDUIT AND WIRE ENTERING AND LEAVING HANDHOLE.
4. REFER TO SITE PLANS FOR HANDHOLE MINIMUM SIZES. ALL SIZES CALLED OUT IN ELECTRICAL DRAWINGS ARE INSIDE CLEAR DIMENSIONS.

A4 E-501 DETAIL - HANDHOLE (TRAFFIC RATED)
SCALE: NTS
E-503, E-502

ISSUED FOR PERMITTING
MARCH 2025

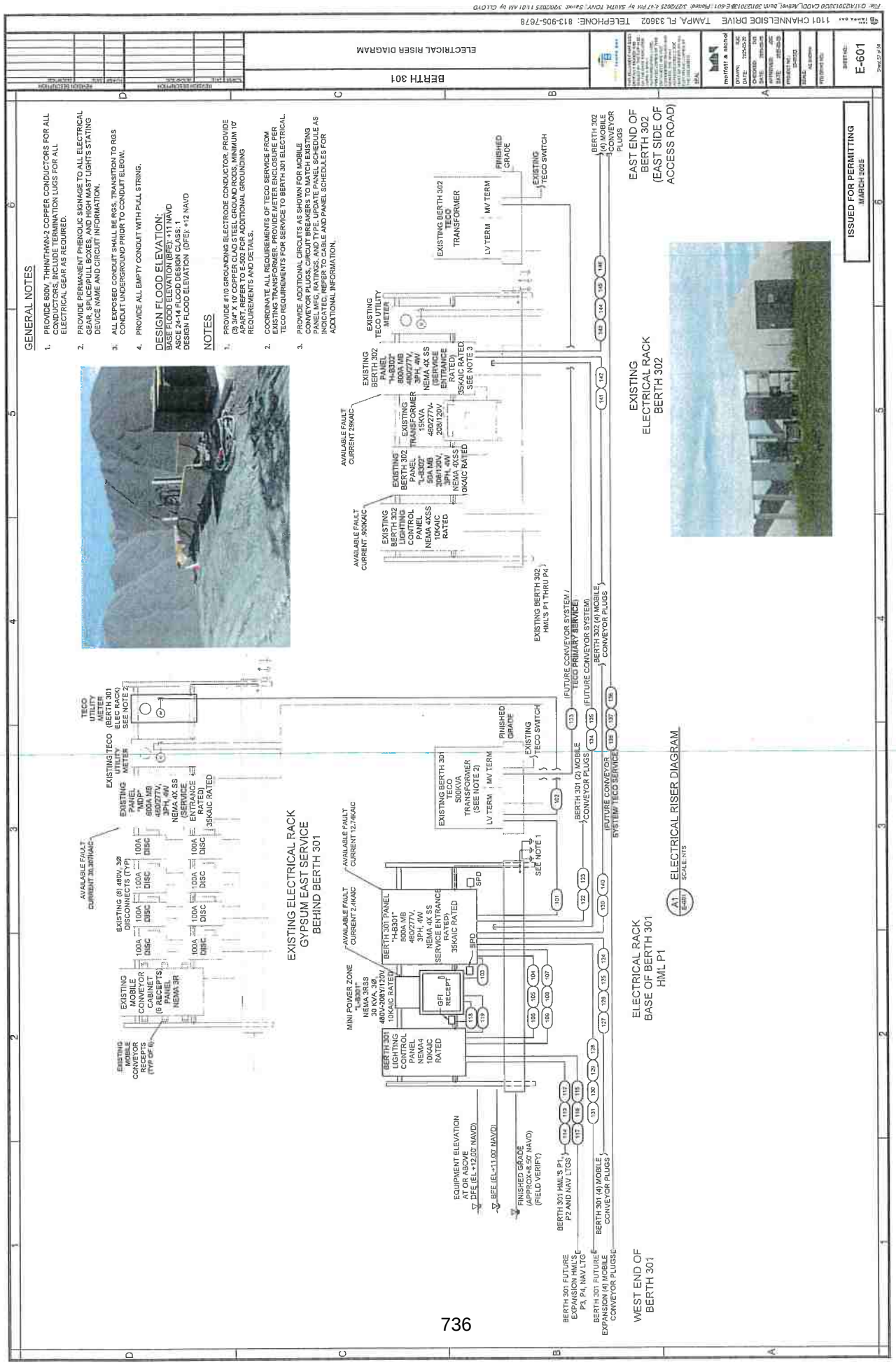
BERTH 301
ELECTRICAL DETAILS (4 OF 4)

moffatt & nichol
DRAWN: AJC
DATE: 2024-05-21
CHECKED:
DATE:
APPROVED: JDC
DATE:
PROJECT NO.:
SCALE: AS SHOWN
PTD DRWG NO.:
SHEET NO.
E-504
Sheet 58 of 58

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: G:\TAMP\01\0000 C-ADD_Active_Berth 301\2310 E-504.rvt Plotted: 3/27/2025 11:01 AM by SMITH, TONY Saved: 3/27/2025 11:01 AM by CLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

CABLE SCHEDULE

CABLE #	FROM	TO	CONDUCTORS	CONDUIT	VOLTAGE/CONTROL	SEE NOTE
101	EXIST'G BERTH 301 TECO UTILITY TRANSFORMER	BERTH 301 ELEC RACK - PANEL "H-B301"	(2) SETS 4#600	(2)4" PVC	480V 3PHASE	
102	EXIST'G BERTH 301 TECO UTILITY TRANSFORMER	EXIST'G GYPSUM ELEC RACK - NEW TECO UTILITY METER	BY TECO	TECO STANDARD		
103	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - MPZ PANEL "L-B301"	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
104	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LIGHTING CNTL PNL (HML P1)	2#10, #10 GND	1" PVC/RGS	480V 1PHASE	
105	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LIGHTING CNTL PNL (HML P2)	2#10, #10 GND	1" PVC/RGS	480V 1PHASE	
106	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LIGHTING CNTL PNL (NAV LTS)	2#10, #10 GND	1" PVC/RGS	277V 1PHASE	
107	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LTG CNTL PNL(FUTURE HML P3)	PULL STRING	1" PVC/RGS		
108	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LTG CNTL PNL(FUTURE HML P4)	PULL STRING	1" PVC/RGS		
109	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 ELEC RACK - LTG CNTL PNL(FUTURE NAV LTS)	PULL STRING	1" PVC/RGS		
110	NOT USED					
111	NOT USED					
112	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 HML P1	2#10, #10 GND	1" PVC/RGS	480V 1PHASE	
113	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 HML P2	2#10, #10 GND	1" PVC/RGS	480V 1PHASE	
114	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 HML P1 & P2 NAVIGATIONAL LIGHTS	2#10, #10 GND	1" PVC/RGS	277V 1PHASE	
115	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 FUTURE EXPAN HML P3	PULL STRING	1" PVC/RGS		
116	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 FUTURE EXPAN HML P4	PULL STRING	1" PVC/RGS		
117	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	BERTH 301 FUTURE EXPAN HML P3 & P4 NAV LTS	PULL STRING	1" PVC/RGS		
118	BERTH 301 ELEC RACK - MPZ PANEL "L-B301"	BERTH 301 ELEC RACK - GFI RECEPTACLE	2#12, #12 GND	1" PVC/RGS	120V 1PHASE	
119	BERTH 301 ELEC RACK - MPZ PANEL "L-B301"	BERTH 301 ELEC RACK - LIGHTING CONTROL PANEL	2#12, #12 GND	1" PVC/RGS	120V 1PHASE	
120	NOT USED					
121	NOT USED					
122	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
123	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
124	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
125	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
126	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
127	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
128	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 FUTURE EXPAN MOBILE CONVEYOR PLUG	PULL STRING	1-1/2" PVC/RGS		
129	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 FUTURE EXPAN MOBILE CONVEYOR PLUG	PULL STRING	1-1/2" PVC/RGS		
130	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 FUTURE EXPAN MOBILE CONVEYOR PLUG	PULL STRING	1-1/2" PVC/RGS		
131	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 301 FUTURE EXPAN MOBILE CONVEYOR PLUG	PULL STRING	1-1/2" PVC/RGS		
132	NOT USED					
133	EXIST'G BERTH 301 TECO UTILITY TRANSFORMER	EXIST'G BERTH 302 TECO UTILITY TRANSFORMER	PULL STRING	4" PVC	TECO PRIMARY	
134	BERTH 301 ELEC RACK	EXIST'G BERTH 302 ELEC RACK	PULL STRING	3" PVC		
135	BERTH 301 ELEC RACK	EXIST'G BERTH 302 ELEC RACK	PULL STRING	3" PVC		
136	BERTH 301 WEST END	BERTH 302 EAST END	PULL STRING	3" PVC		
137	BERTH 301 WEST END	BERTH 302 EAST END	PULL STRING	3" PVC		
138	BERTH 301 WEST END	BERTH 302 EAST END	PULL STRING	2" PVC		
139	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
140	BERTH 301 ELEC RACK - PANEL "H-B301"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
141	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
142	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
143	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
144	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
145	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
146	EXIST'G BERTH 302 ELEC RACK - PANEL "H-B302"	BERTH 302 MOBILE CONVEYOR PLUG	3#1, #6 GND	1-1/2" PVC/RGS	480V 3PHASE	
147	NOT USED					
148	NOT USED					
149	NOT USED					
150	NOT USED					
151	NOT USED					
152	NOT USED					
153	NOT USED					
154	NOT USED					
155	NOT USED					
156	NOT USED					
157	NOT USED					
158	NOT USED					
159	NOT USED					
160	NOT USED					

GENERAL NOTES:

1. PROVIDE 600V, THHN/THWN COPPER CONDUCTORS FOR ALL CONDUCTORS. INCLUDE TERMINATION LUGS FOR ALL ELECTRICAL GEAR AS REQUIRED.
2. ALL EXPOSED CONDUIT SHALL BE RGS. TRANSITION TO RGS CONDUIT UNDERGROUND PRIOR TO CONDUIT ELBOW.
3. PROVIDE ALL EMPTY CONDUIT WITH PULL STRING.
4. PROVIDE AND COORDINATE ALL ROUTING REQUIREMENTS OF SPARE CONDUIT BETWEEN TECO TRANSFORMERS, REFER TO CABLE SCHEDULE #133.

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ELECTRICAL CABLE SCHEDULE

moffatt & nichol

DRAWN: BJE
DATE: 2025-03-20
CHECKED: BJE
DATE: 2025-03-20
APPROVED: JDU
DATE: 2025-03-20
PROJECT NO: 23-0112
SCALE: AS SHOWN
PTB DWG NO:

SHEET NO: E-602
Sheet 60 of 64

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678

File: G:\TAD\2023\2309\CADD_Active_Berth 301\2309130-E-602 - Plotted: 3/7/2025 1:48 PM by: SMITH, TONY - Saved: 2/26/2025 11:56 AM by: CLEOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PANELBOARD: H-B301

VOLTAGE:	480/277	BUS RATING (A):	600A	ENCLOSURE:	NEMA 4X, 316 STAINLESS STEEL
PHASE:	3	MAIN OC DEVICE:	600A MAIN BREAKER	MOUNTING:	ELEC RACK - SURFACE MOUNTED
WIRE:	4+GND	INTERRUPTING RATING (KAIC):	35	LOCATION:	BERTH 301
NEUTRAL:	YES	SERVICE ENTRANCE LABEL:	YES		

CKT NO.	DESCRIPTION	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	OCP AMPS	P		OCP AMPS	P	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO.
1	PANEL "L-B301"				525	90	3	A	30	3					SPD	2
3	(MINI POWERZONE)				525			B								4
5	30KVA				525			C								6
7	SITE LTG - HML P1	2430				20	2	A	100	3	17200				MOBILE CONVEYOR PLUG	8
9	(BERTH 301)	2430						B			17200				(BERTH 302)	10
11	SITE LTG - HML P2	2430				20	2	C			17200					12
13	(BERTH 301)	2430						A	100	3	17200				MOBILE CONVEYOR PLUG	14
15	FUTURE SITE LTG - HML P3	2430				20	2	B			17200				(BERTH 302)	16
17	(BERTH 301 FUTURE EXPAN)	2430						C			17200					18
19	FUTURE SITE LTG - HML P4	2430				20	2	A	100	3	17200				MOBILE CONVEYOR PLUG	20
21	(BERTH 301 FUTURE EXPAN)	2430						B			17200				(BERTH 301)	22
23	NAV LTG BERTH 301 P1 & P2	200				20	1	C			17200					24
25	FUT NAV LTG B301 P3 & P4	200				20	1	A	100	3	17200				MOBILE CONVEYOR PLUG	26
27	SPARE					20	2	B			17200				(BERTH 301)	28
29								C			17200					30
31	FUT MOBILE CONVEYOR PLUG		17200			100	3	A	100	3	17200				MOBILE CONVEYOR PLUG	32
33	(BERTH 301 FUTURE EXPAN)		17200					B			17200				(BERTH 301)	34
35			17200					C			17200					36
37	FUT MOBILE CONVEYOR PLUG		17200			100	3	A	100	3	17200				MOBILE CONVEYOR PLUG	38
39	(BERTH 301 FUTURE EXPAN)		17200					B			17200				(BERTH 301)	40
41			17200					C			17200					42
43	FUT MOBILE CONVEYOR PLUG		17200			100	3	A	100	3	17200				MOBILE CONVEYOR PLUG	44
45	(BERTH 301 FUTURE EXPAN)		17200					B			17200				(BERTH 301)	46
47			17200					C			17200					48
49	FUT MOBILE CONVEYOR PLUG		17200			100	3	A	100	3	17200				MOBILE CONVEYOR PLUG	50
51	(BERTH 301 FUTURE EXPAN)		17200					B			17200				(BERTH 301)	52
53			17200					C			17200					54

LOAD SUMMARY

	LTS	REC	MECH	MISC	SPARE	TOTAL			NOTES: INCLUDE SPD
CONNECTED LOAD (KVA)	19.8	619.2	0.0	1.6	—	640.6	480	LINE-TO-LINE VOLTS	
DEMAND FACTOR	1.25	1.00	1.00	1.00	—	—	771	CONNECTED AMPS	
DESIGN LOAD (KVA)	24.8	619.2	0.0	1.6	—	645.6	777	DESIGN AMPS	

PANELBOARD: L-B301 (MINI POWERZONE)

VOLTAGE:	208/120	BUS RATING (A):	100A	ENCLOSURE:	NEMA 3R, 316 STAINLESS STEEL
PHASE:	3	MAIN OC DEVICE:	100A MAIN BREAKER	MOUNTING:	ELEC RACK - SURFACE MOUNTED
WIRE:	4+GND	INTERRUPTING RATING (KAIC):	10	LOCATION:	BERTH 301
NEUTRAL:	YES	SERVICE ENTRANCE LABEL:	NO		

CKT NO.	DESCRIPTION	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	OCP AMPS	P		OCP AMPS	P	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO.
1	RACK MOUNT RECEPT		360			20	1	A	20	1				1200	LIGHTING CONTROL PANEL	2
3	SPARE					20	1	B	20	1					SPARE	4
5	SPARE					20	1	C	20	1					SPARE	6
7	SPARE					30	2	A	20	1					SPARE	8
9								B	20	1					SPARE	10
11	SPACE							C							SPACE	12
13	SPACE							A							SPACE	14
15	SPACE							B							SPACE	16
17	SPACE							C							SPACE	18
19	SPACE							A	30	3					SPD	20
21	SPACE							B								22
23	SPACE							C								24

LOAD SUMMARY

	LTS	REC	MECH	MISC	SPARE	TOTAL			NOTES: INCLUDE SPD
CONNECTED LOAD (KVA)	0.0	0.4	0.0	1.2	—	1.6	208	LINE-TO-LINE VOLTS	
DEMAND FACTOR	1.00	1.00	1.00	1.00	—	—	4	CONNECTED AMPS	
DESIGN LOAD (KVA)	0.0	0.4	0.0	1.2	—	1.6	4	DESIGN AMPS	

PANELBOARD: H-B302 (EXISTING)

VOLTAGE:	480/277	BUS RATING (A):	600A	ENCLOSURE:	NEMA 4X, 316 STAINLESS STEEL
PHASE:	3	MAIN OC DEVICE:	600A MAIN BREAKER	MOUNTING:	ELEC RACK - SURFACE MOUNTED
WIRE:	4+GND	INTERRUPTING RATING (KAIC):	35	LOCATION:	BERTH 302
NEUTRAL:	YES	SERVICE ENTRANCE LABEL:	YES		

CKT NO.	DESCRIPTION	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	OCP AMPS	P		OCP AMPS	P	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO.
1	(NAV LT VIA PHOTO (WEST)	200				20	1	A	30	3					SPD	2
3	NAV LT VIA PHOTO (EAST)	200				20	1	B								4
5								C								6
7	SITE LTG - HML P1	2430				20	2	A	100(N)	3	17200				MOBILE CONVEYOR PLUG	8
9	(BERTH 302)	2430						B			17200				(BERTH 302)	10
11		2430						C			17200					12
13	SITE LTG - HML P2	2430				20	2	A	100	3	17200				MOBILE CONVEYOR PLUG	14
15	(BERTH 302)	2430						B			17200				(BERTH 302)	16
17		2430						C			17200					18
19	SITE LTG - HML P3	2430				20	2	A	100	3	17200				MOBILE CONVEYOR PLUG	20
21	(BERTH 302)	2430						B			17200				(BERTH 302)	22
23		2430						C			17200					24
25	SITE LTG - HML P4	2430				20	2	A	100	3	17200				MOBILE CONVEYOR PLUG	26
27	(BERTH 302)	2430						B			17200				(BERTH 302)	28
29		2430						C			17200					30
31	SPARE					20	2	A	100(N)	3	17200				MOBILE CONVEYOR PLUG	32
33								B			17200				(BERTH 302)	34
35								C			17200					36
37	PANEL "L-B302"				360	20	2	A	100(N)	3	17200				MOBILE CONVEYOR PLUG	38
39	VIA RELAY				180			B			17200				(BERTH 302)	40
41	120VAC				180			C			17200					42

LOAD SUMMARY

	LTS	REC	MECH	MISC	SPARE	TOTAL			NOTES: (N) NEW CB, MFG. EATON
CONNECTED LOAD (KVA)	20.4	709.4	0.0	1.6	—	441.7	480	LINE-TO-LINE VOLTS	
DEMAND FACTOR	1.25	1.00	1.00	1.00	—	—	412	CONNECTED AMPS	
DESIGN LOAD (KVA)	25.5	709.4	0.0	1.6	—	749.4	421	DESIGN AMPS	



EXISTING PANEL H-B302

GENERAL NOTES

1. PROPERLY LABEL ALL CONDUIT, CONDUCTORS, JUNCTION BOXES, ELECTRICAL GEAR WITH CABLE SCHEDULE AND CIRCUIT IDENTIFICATION.
2. PROVIDE ALL TERMINATION LUGS AND CONNECTION KITS.
3. ALL CONDUCTORS ARE COPPER UNLESS OTHERWISE NOTED.
4. ALL SPARE BREAKERS SHALL BE IN THE "OFF" POSITION. PROVIDE TYPE WRITTEN ADHESIVE LABEL FOR ALL SPARE BREAKERS. MOUNT LABEL ADJACENT TO EACH SPARE CIRCUIT BREAKER.
5. MULTI-POLE CIRCUIT BREAKERS SHALL HAVE SINGLE HANDLE ON THE CENTER. 2 OR 3 SINGLE POLE CIRCUIT BREAKERS TIED TOGETHER SHALL NOT BE USED.
6. THERE SHALL BE NO SPLICES INSIDE PANELBOARDS.
7. TYPE WRITTEN DIRECTORIES SHALL INDICATE PANEL NAME, VOLTAGE, CIRCUIT NUMBERS, LOAD DESCRIPTIONS, AND LOCATIONS AS INDICATED IN THE PANELBOARD SCHEDULES. DIRECTORIES BASED UPON ACTUAL FIELD INSTALLATIONS IF REQUIRED.

ISSUED FOR PERMITTING
MARCH 2025

BERTH 301
ELECTRICAL PANEL SCHEDULES

1101 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-7678
moffatt & nichol

DRAWN: RJC DATE: 2025-03-28
CHECKED: SJS DATE: 2025-03-28
APPROVED: JSS DATE: 2025-03-28
PROJECT NO: 3348333
SCALE: AS SHOWN
FTB ISSUE NO.:
SHEET NO: E-603
Sheet 83 of 93

File: Q:\TAMP\3301\0000 CADD_Active_berth 301\3301.00-E-603_Plotted: 3/27/2025 4:48 PM by: SMITH, TONY - Saved: 3/26/2025 11:55 AM by: CLOYD

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

EXHIBIT #15 - SWPA #25-013 PUBLIC HEARING

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA 32207

October 24, 2025

Regulatory Division
West Permits Branch
Tampa Section
SAJ-2002-03332 (SP-RSS)

Patrick Blair
Port Tampa Bay
1101 Channelside Drive
Tampa, Florida 33602
Sent via email: pblair@tampaport.com

Dear Patrick Blair:

The U.S. Army Corps of Engineers (Corps) has completed the review and evaluation of your Department of the Army permit application, number SAJ-2002-03332. Our regulations require that you have an opportunity to review the terms and conditions prior to final signature by the Department of the Army. Enclosed is an unsigned Department of the Army permit instrument (permit).

Please read carefully the Special Conditions beginning on page 3 of the permit. These were developed to apply specifically to your project. Water Quality Certification was required prior to issuance of a permit. In accordance with General Condition 5 of the permit, the Water Quality Certification has been attached to the Department of the Army permit.

Instructions for Objecting to Permit Terms and Conditions: This letter contains an initial proffered permit for your proposed project. If you object to certain terms and conditions contained within the permit, you may request that the permit be modified. Enclosed you will find a Notification of Administrative Appeal Options and Process fact sheet and Request for Appeal (RFA) form. If you choose to object to certain terms and conditions of the permit, you must follow the directions provided in Section 1, Part A and submit the completed RFA form to the address listed in the last paragraph of this letter.

In order for an RFA to be accepted by the Corps, the Corps must determine that it is complete, that it meets the criteria under 33 CFR Part 331.5, and that it has been received by the District office within 60 days of the date of the RFA. Should you decide to submit an RFA form, it must be received at the address listed in the last paragraph of this letter by **December 23, 2025.**

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Instructions for Accepting Terms and Conditions and Finalizing Your Permit: It is not necessary to submit an RFA form to the District office if you do not object to the decision in this letter. In this case, the permit must be signed by the applicant in the space provided on the signature page of the permit. In the case of corporations, acceptance must be by an officer of that corporation authorized to sign on behalf of the corporation. The party responsible for assuring the work is done in accordance with the permit terms and conditions must sign the permit. Please type or print the name and title of the person signing below the signature and the date signed.

In order to accept the initial proffered permit and receive a valid Department of the Army permit, you must sign the permit and submit payment of the permit fee. The District Engineer or his representative will then sign the permit. The Corps will add the permit expiration date to the permit, the permit issuance date on the *Notice of Department of the Army Permit* form and return the valid permit to you. It is important to note that the permit is not valid until the District Engineer or his representative signs it. Please follow the steps below to accept the permit and pay the permit fee:

a. Sign the signature page of the proffered permit (page 9).

b. Return the entire permit, including all attachments, to the address listed in the last paragraph of this letter or send via email to the Project Manager listed in the last paragraph of this letter. If the file is greater than 20 MB, upload via DOD SAFE (https://safe.apps.mil/).

c. Pay the permit fee of $100 one of two ways:

    1. Mail a check or money order to the address listed in the last paragraph of this letter, made payable to the Finance and Accounting Officer, Corps of Engineers, Jacksonville District, or

    2. Pay online at pay.gov/public/form/start/996412796 (or go to pay.gov and enter into the search box "DEPARTMENT OF THE ARMY PERMIT FEES" to navigate to the payment input form). After paying online, submit a receipt either by mail to the address listed in the last paragraph of this letter, or via email to the Project Manager listed in the last paragraph of this letter.

Thank you for your cooperation with our permit program. The Corps' Jacksonville District Regulatory Division is committed to improving service to our customers. We strive to perform our duty in a friendly and timely manner while working to preserve our environment. We invite you to complete our automated Customer Service Survey at https://regulatory.ops.usace.army.mil/customer-service-survey/. Please be aware this Internet address is case sensitive, and you will need to enter it exactly as it appears above. Your input is appreciated – favorable or otherwise.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Should you have any questions, please contact Rachel S. Somerville in writing at the Jacksonville District Office, Tampa Permits Section at 701 San Marco Blvd, Jacksonville, FL 32207, by email at rachel.s.somerville@usace.army.mil, or by telephone at 904-232-1444.

Sincerely,

Melinda M Hagan-Charles

For: Shawn H. Zinszer
Chief, Regulatory Division

Enclosures (2):

Enclosure A - REQUEST FOR APPEAL: 2 pages.
Enclosure B - STANDARD PERMIT: 11 pages (with Attachments):

1. PERMIT DRAWINGS: 25 pages.
2. WATER QUALITY CERTIFICATION: 20 pages.
3. COMMENCEMENT NOTIFICATION: 1 page.
4. AS-BUILT CERTIFICATION: 2 pages.
5. MANATEE WATCH PLAN: 7 pages.
6. MANATEE CONDITIONS: 2 pages.
7. PROTECTED SPECIES CONSTRUCTION CONDITIONS: 2 pages.
8. VESSEL STRIKE AVOIDANCE MEASURES: 3 pages.

cc (via email):

Benjamin Brice – HDR – email: benjamin.brice@hdrinc.com

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

U.S. Army Corps of Engineers (USACE)

NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROCESS AND REQUEST FOR APPEAL

For use of this form, see Section 404 of the Clean Water Act, Section 10 of the Rivers and Harbors Act of 1899, and Section 103 of the Marine Protection, Research, and Sanctuaries Act; the proponent agency is CECW-COR.

Form Approved - OMB No. 0710-0003 Expires 2027-10-31

DATA REQUIRED BY THE PRIVACY ACT OF 1974

Authority	The authorities for requesting this information are Sections 9, 10, 13, and 14, Rivers and Harbors Act of March 3, 1899; Section 404, Clean Water Act; and Section 103 Marine Protection Research and Sanctuaries Act of 1972.
Principal Purpose	This information serves as notification to affected parties regarding the USACE administrative appeal options and process, as well as to facilitate requests for appeal of USACE decisions with which they disagree.
Routine Uses	Routine uses will include: (a) To serve as notification to affected parties of the Corps administrative appeal options and process and to facilitate requests for appeal of Corps decisions with which they disagree. (b) Records may be referred to the Department of Justice for possible criminal prosecution. (c) Records may be referred to other Federal, State, and local agencies for evaluation and enforcement purposes.
Disclosure	Disclosure of this information is voluntary on your part. However, failure of individual to provide requested information could result in inability to determine all pertinent information regarding a Department of the Army permit matter.

The Agency Disclosure Notice (ADN)

The Public reporting burden for this collection of information, 0710-0003, is estimated to average 1 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs mc-alex.esd mbx dd-dod-information-collections@mail mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PURPOSE: This form is used to facilitate the initiation of the administrative appeals process. The appeals process allows an affected party to pursue an administrative appeal of certain Corps of Engineers decisions with which they disagree.

Upon release, this form will also be available on the Corps website https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/

Applicant: Patrick Blair/Port Tampa Bay	File Number: SAJ-2002-03332	Date: Oct 24, 2025

Documents Attached (*select all that apply*):		Form Reference Section:
☑	INITIAL PROFFERED PERMIT (*Standard Permit or Letter of Permission*)	A
☐	PROFFERED PERMIT (*Standard Permit or Letter of Permission*)	B
☐	PERMIT DENIAL WITHOUT PREJUDICE	C
☐	PERMIT DENIAL WITH PREJUDICE	D
☐	APPROVED JURISDICTIONAL DETERMINATION	E
☐	PRELIMINARY JURISDICTIONAL DETERMINATION	F

SECTION I

The following identifies your rights and options regarding an administrative appeal of the above decision. Additional information may be found at https://www.usace.army.mil/Missions/Civil-Works/Regulatory-Program-and-Permits/appeals/ or Corps regulations at 33 CFR Part 331.

A: INITIAL PROFFERED PERMIT: *You may accept or object to the permit*

ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein, you may request that the permit be modified accordingly. You must complete Section II of this form and return the form to the district engineer. Upon receipt of your letter, the district engineer will evaluate your objections and may: (a) modify the permit to address all of your concerns, (b) modify the permit to address some of your objections, or (c) not modify the permit having determined that the permit should be issued as previously written. After evaluating your objections, the district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

B: PROFFERED PERMIT: *You may accept or appeal the permit*

- ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit.

- APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

C. PERMIT DENIAL WITHOUT PREJUDICE: *Not appealable*

You received a permit denial without prejudice because a required Federal, state, and/or local authorization and/or certification has been denied for activities which also require a Department of the Army permit before final action has been taken on the Army permit application. The permit denial without prejudice is not appealable. There is no prejudice to the right of the applicant to reinstate processing of the Army permit application if subsequent approval is received from the appropriate Federal, state, and/or local agency on a previously denied authorization and/or certification.

D: PERMIT DENIAL WITH PREJUDICE: *You may appeal the permit denial*

You may appeal the denial of a permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

E: APPROVED JURISDICTIONAL DETERMINATION: *You may accept or appeal the approved JD or provide new information for reconsideration*

- ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps within 60 days of the date of this notice means that you accept the approved JD in its entirety and waive all rights to appeal the approved JD.

- APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.

- RECONSIDERATION: You may request that the district engineer reconsider the approved JD by submitting new information or data to the district engineer within 60 days of the date of this notice. The district will determine whether the information submitted qualifies as new information or data that justifies reconsideration of the approved JD. A reconsideration request does not initiate the appeal process. You may submit a request for appeal to the division engineer to preserve your appeal rights while the district is determining whether the submitted information qualifies for a reconsideration.

F: PRELIMINARY JURISDICTIONAL DETERMINATION: *Not appealable*

You do not need to respond to the Corps regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may request an approved JD (which may be appealed), by contacting the Corps district for further instruction. Also, you may provide new information for further consideration by the Corps to reevaluate the JD.

POINT OF CONTACT FOR QUESTIONS OR INFORMATION:

If you have questions regarding this decision you may contact:		If you have questions regarding the appeal process, or to submit your request for appeal, you may contact:	
Name:	Project Manager as noted in the letter.	Name:	Swade Hammond
Street Address, City, State:	Project Manager as noted in the letter.	Street Address, City, State:	USACE South Atlantic Division 60 Forsyth Street SW Atlanta, Georgia 30303-8801
Phone:	Project Manager as noted in the letter.	Phone:	912-710-1798
Email:	Project Manager as noted in the letter.	Email:	Swade.D.Hammond@usace.army.mil

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SECTION II - REQUEST FOR APPEAL or OBJECTIONS TO AN INITIAL PROFFERED PERMIT	
REASONS FOR APPEAL OR OBJECTIONS: (*Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. Use additional pages as necessary. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.*)	
ADDITIONAL INFORMATION: The appeal is limited to a review of the administrative record, the Corps memorandum for the record of the appeal conference or meeting, and any supplemental information that the review officer has determined is needed to clarify the administrative record. Neither the appellant nor the Corps may add new information or analyses to the record. However, you may provide additional information to clarify the location of information that is already in the administrative record.	
RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15-day notice of any site investigation and will have the opportunity to participate in all site investigations.	
Email address of appellant and/or agent	Telephone number
Signature of appellant or agent	Date

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

DEPARTMENT OF THE ARMY PERMIT

Permittee: PATRICK BLAIR
PORT TAMPA BAY
1101 CHANNELSIDE DRIVE
TAMPA, FLORIDA 33602

Permit No: SAJ-2002-03332 (SP-RSS)

Issuing Office: U.S. Army Engineer District, Jacksonville

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the U.S. Army Corps of Engineers (Corps) having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: The proposed project, as detailed in **Attachment 1,** would result in the modification of berth 301 at Port Redwing, a satellite facility of Port Tampa Bay. By bridging the gap between berths 300 and 302, berth 301 would be designed to accommodate large dry bulk and multi-purpose vessels, significantly improving general non-containerized cargo vessel capacity at Port Redwing. The modifications would allow the berths to accommodate three (3) vessels instead of two (2) to berth in the same waterfront footprint. The new berth is expected to increase use of the port by approximately 124 vessel trips per year. The U.S. Department of Transportation (USDOT) Maritime Administration (MARAD) awarded funds to the Port Tampa Bay under the Rebuilding America Infrastructure with Sustainability and Equity (RAISE) Grant to support the New Berth 301 project.

The project includes discharge of approximately 40,170 cubic yards (CY) of clean fill over 53,200 square feet (SF) of submerged lands. Approximately 27,050 CY of fill would be placed in an area encompassing 38,000 SF below the mean high-water line (MHWL). A 100-ft by 502.88-ft dock (50,288 SF), comprised of a 500-ft Pipe-Z bulkhead along the shoreline with 80-ft of return wall, and breasting dolphin, would be installed to connect the existing marginal wharves at berths 300 and 302. A total of 56 60-in diameter steel pipe piles and 57 steel sheet pile pairs would be installed via vibratory and impact hammers to support the in-water structures. The in-water structures would occupy an area of approximately 50,288 SF, plus an additional 1,099.56 SF of substrate impacts due to piling installation.

The work described above is to be completed in accordance with the 25 pages of drawings and 8 attachments affixed at the end of this permit instrument.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Project Location: The project would affect the waters associated with Hillsborough Bay. The project site is located within Port Redwing, 6059 Diana Toledo Almeida Rd in Section 10, Township 31 South, Range 19 East, Gibsonton, Hillsborough County, Florida, 33534.

Directions to site: Take I-75 S towards Naples and take exit 250 to Gibsonton. Merge onto Gibsonton Dr and continue west. Use the left 2 lanes to turn left onto S Tamiami Trl/US Hwy 41 S. Turn right onto Diana Toledo Almeida Rd and keep to the right. Destination will be on the left past SESCO Cement.

Approximate Central Coordinates: Latitude: 27.808906 North
Longitude: -82.39762 West

Permit Conditions

General Conditions:

1. The time limit for completing the work authorized ends on _____.
If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature and the mailing address of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions **(Attachment 2)**.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. **Reporting Address:** The Permittee shall submit all reports, notifications, documentation, and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:
   a. For electronic mail (preferred): SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).
   b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

   The Permittee shall reference this permit number, SAJ-2002-03332 (SP-RSS), on all submittals.

2. **Commencement Notification:** Within 10 days from the date of initiating the work authorized by this permit, the Permittee shall submit a completed "Commencement Notification" form **(Attachment 3)**.

3. **Posting of Permit:** The Permittee shall have available and maintain for review a copy of this permit and approved plans at the construction site.

4. **As-Built Certification:** Within 60 days of completion of the work authorized by this permit, the Permittee shall submit as-built drawings of the authorized work and a completed "As-Built Certification by Professional Engineer/Surveyor" form **(Attachment 4)** to the Corps. The as-built drawings shall be signed and sealed by a registered professional engineer or surveyor and include the following:

   a. A plan view drawing of the location of authorized work footprint, as shown on the permit drawings, with an overlay of the work as constructed. The plan view drawing should show all existing water management structures and the completed structures, dredge/fill activities, and wetland impacts.

   b. A list of any deviations between the work authorized by this permit and the work as constructed. If the completed work deviates, in any manner, from the authorized work, describe on the attached "As-Built Certification by Professional Engineer" form the deviations between the work authorized by this permit and the work as constructed. Clearly indicate on the as-built drawings any deviations that have been listed. Please note that the depiction and/or description of any deviations on the drawings and/or "As-Built Certification by Professional Engineer" form does not constitute approval of any deviations by the Corps.

   c. The Department of the Army permit number on all sheets submitted.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

5. **Cultural Resources/Historic Properties:**
   a. No structure or work shall adversely affect, impact, or disturb properties listed in the *National Register of Historic Places* (NRHP), or those eligible for inclusion in the NRHP.

   b. If, during permitted activities, items that may have historic or archaeological origin are observed the Permittee shall immediately cease all activities adjacent to the discovery that may result in the destruction of these resources and shall prevent his/her employees from further removing, or otherwise damaging, such resources. The applicant shall notify both the Florida Department of State, Division of Historical Resources, Compliance Review Section at (850)245-6333 and the Corps, of the observations within the same business day (8 hours). Examples of submerged archaeological, cultural, or historical resources include shipwrecks, shipwreck debris fields (such as steam engine parts, or wood planks and beams), anchors, ballast rock, concreted iron objects, concentrations of coal, prehistoric watercraft (such as log "dugouts"), and other evidence of human activity. The materials may be deeply buried in sediment, resting in shallow sediments or above them, or protruding into water. The Corps shall coordinate with the Florida State Historic Preservation Officer (SHPO) to assess the significance of the discovery and devise appropriate actions. Project activities shall not resume without verbal and/or written authorization from the Corps.

   c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition and, if deemed necessary by the SHPO or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non-federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

   d. In the unlikely event that unmarked human remains are identified on non-federal lands; they will be treated in accordance with Section 872.05 Florida Statutes. All work/ground disturbing activities within a 100-m diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archaeologist within the same business day (8 hours). The Corps shall then notify the appropriate SHPO. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the SHPO and from the Corps.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

6. **Assurance of Navigation and Maintenance:** The Permittee understands and agrees that, if future operations by the United States (U.S.) require the removal, relocation, or other alteration, of the structures or work herein authorized, or if in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the U.S. No claim shall be made against the U.S. on account of any such removal or alteration.

7. **Manatee Watch Plan:** The Permittee shall comply with the "Manatee Watch Plan – Berth 301 Construction," dated March 20, 2025 **(Attachment 5).** Authorization under this permit is conditional upon compliance with all of the mandatory terms and conditions and reasonable and prudent measures associated with the watch plan, developed in in accordance with Section 7 of the Endangered Species Act of 1973, as amended.

8. **Manatee Conditions:** The Permittee shall comply with the "Standard Manatee Conditions for In-Water Work – 2011" **(Attachment 6)**. The most recent version of the Manatee Conditions must be utilized.

9. **Manatee Condition for Impact Hammer and Metal Pilings/Sheet Piles:** Installation of metal pilings or metal sheet piles by impact hammer may occur under the following conditions:

    a. Use of at least one dedicated manatee observer, with all work being stopped if a manatee is observed within 1,000 feet;

    b. No work shall occur outside of daylight hours (defined as one-half hour after sunrise to one-half hour before sunset); and

    c. No more than 5 piles/day may be installed.

10. **Manatee Observer:** A dedicated manatee observer, whose sole responsibility is to watch for manatees, must be present during in-water work. The observer must be experienced in manatee observation techniques and have prior on-the-job experience as an observer during previous in-water work where the activities were similar in nature to the proposed project. The dedicated observer shall be present and perform no other duties that may interfere with their ability to observe for protected marine species. This person shall be someone other than the dredge and equipment operators/mechanics.

11. **Protected Species Construction Conditions:** The Permittee shall comply with National Marine Fisheries Service's "Protected Species Construction Conditions, NOAA Fisheries Southeast Regional Office" dated May 2021 **(Attachment 7)**.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

12. **Vessel Strike Avoidance Measures:** The Permittee shall comply with the "Vessel Strike Avoidance Measures and Reporting for Mariners", revised May 2021 **(Attachment 8)**, for marine turtles and marine mammals.

13. **Turbidity Barriers:** Prior to the initiation of any of the work authorized by this permit, the Permittee shall install floating turbidity barriers with weighted skirts that extend within 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained daily until the authorized work has been completed and turbidity within the construction area has returned to ambient levels. Turbidity barriers shall be removed upon stabilization of the work area.

14. **Erosion Control:** Prior to the initiation of any work authorized by this permit, the Permittee shall install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area into waters of the United States. The erosion control measures shall remain in place and be maintained until all authorized work is completed and the work areas are stabilized.

15. **Fill Material:** The Permittee shall use only clean fill material for this project. The fill material shall be free from items such as trash, asphalt, debris, automotive parts, construction materials, concrete block with exposed reinforcement bars, and soils contaminated with any toxic substance in toxic amounts, in accordance with Section 307 of the Clean Water Act.

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

   (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403)

   (X) Section 404 of the Clean Water Act (33 U.S.C. 1344)

2. Limits of this authorization.

   a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.

   b. This permit does not grant any property rights or exclusive privileges.

   c. This permit does not authorize any injury to the property or rights of others.

   d. This permit does not authorize interference with any existing or proposed Federal projects.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

   a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

   b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

   c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

   d. Design or construction deficiencies associated with the permitted work.

   e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision: This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

   a. You fail to comply with the terms and conditions of this permit.

   b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (see 4 above).

   c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

   Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

6. Extensions: General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

10/27/25

(PERMITTEE) (DATE)

Patrick Blair

(PERMITTEE NAME-PRINTED)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Date:_____

Brandon L. Bowman
Colonel, U.S. Army
District Commander

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

_____ _____
(TRANSFEREE-SIGNATURE) (DATE)

_____
(NAME-PRINTED)

_____
(ADDRESS)

_____
(CITY, STATE, AND ZIP CODE)

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Attachments to Department of the Army Permit Number SAJ-2002-03332

1. **PERMIT DRAWINGS:** 25 pages, dated January 2024.

2. **WATER QUALITY CERTIFICATION:** 20 pages, dated September 2, 2025. Specific Conditions of the water quality permit/certification in accordance with General Condition number 5 on page 2 of this DA permit.

3. **COMMENCEMENT NOTIFICATION:** 1 page. Initiation of the work authorized by this permit.

4. **AS-BUILT CERTIFICATION:** 2 pages. As-Built Certification by Professional Engineer.

5. **MANATEE WATCH PLAN:** 7 pages, dated April 10, 2025. US Fish and Wildlife Service (USFWS) Endangered Species Act Section 7 consultation concurrence letter and manatee protection measures.

6. **MANATEE CONDITIONS:** 2 pages. Standard Manatee Conditions for In-Water Work – 2011

7. **PROTECTED SPECIES CONSTRUCTION CONDITIONS:** 2 pages, dated May 2021. Protected Species Construction Conditions, NOAA Fisheries Southeast Regional Office

8. **VESSEL STRIKE AVOIDANCE MEASURES:** 3 pages, revised May 2021. Vessel Strike Avoidance Measures and Reporting for Mariners.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PORT TAMPA BAY

BERTH 301 WHARF



VICINITY MAP

PORT TAMPA BAY.

PTB PROJECT NO. 23-00323

PORT TAMPA BAY BOARD OF COMMISSIONERS

CHAD W. HARROD	CHAIRMAN
PATRICK H. ALLMAN	SECRETARY/TREASURER
MAYOR JANE CASTOR	COMMISSIONER
TED CONNER	COMMISSIONER
HUNG T. MAI	COMMISSIONER
HONORABLE MICHAEL OWEN	COMMISSIONER
SEAT #4 VACANT	COMMISSIONER

PAUL ANDERSON	PRESIDENT/CEO
PATRICK BLAIR, P.E., S. I.	VICE PRESIDENT OF ENGINEERING
JOSE DEJESUS, P.E. LEED, AP BD+C	DIRECTOR OF ENGINEERING
MICHAEL SEIFERT, P.E. PSM	PROJECT MANAGER

ISSUED FOR PERMITTING
JANUARY 2024
NOT TO BE USED FOR CONSTRUCTION

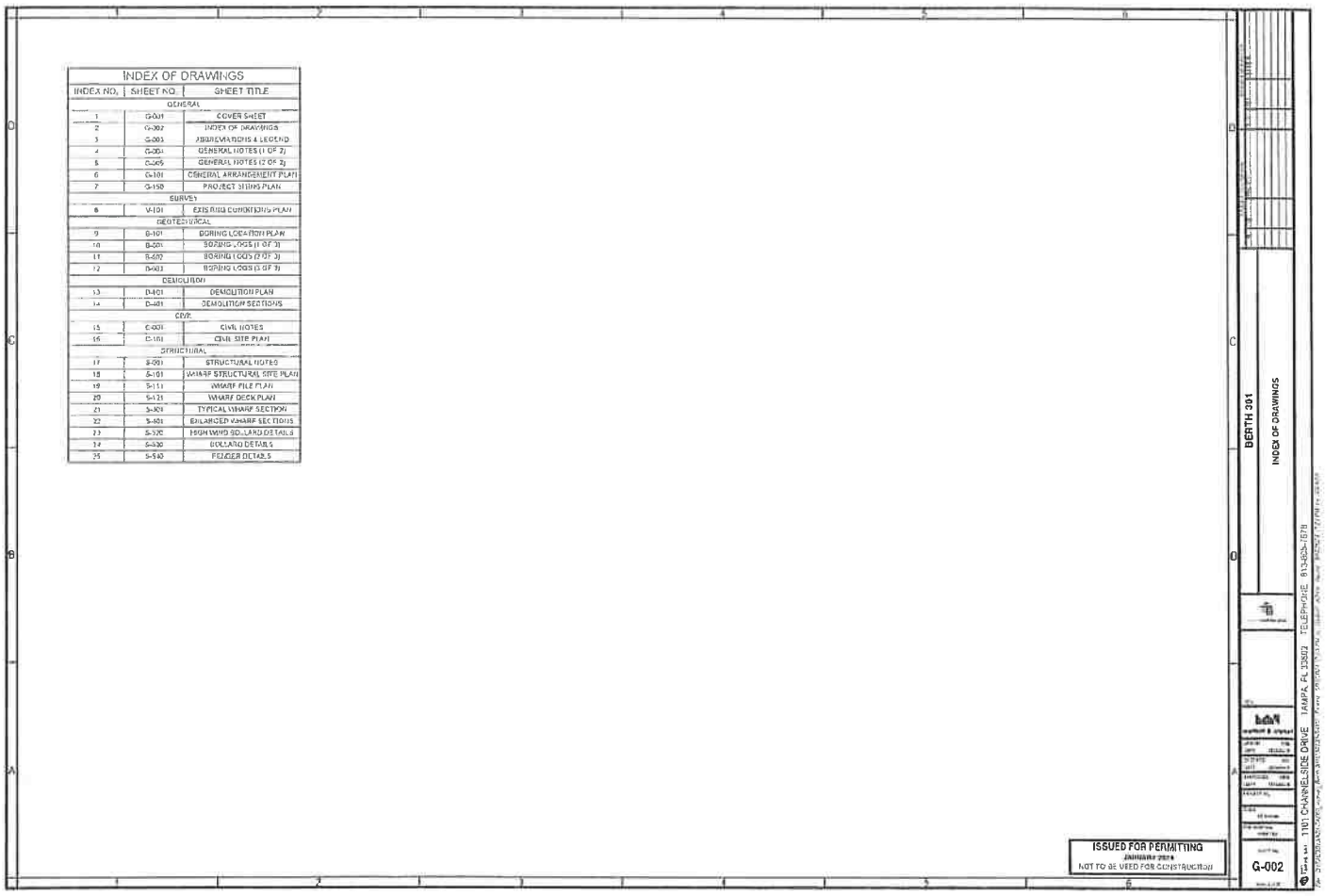


LOCATION MAP

moffatt & nichol

G-001

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



INDEX OF DRAWINGS

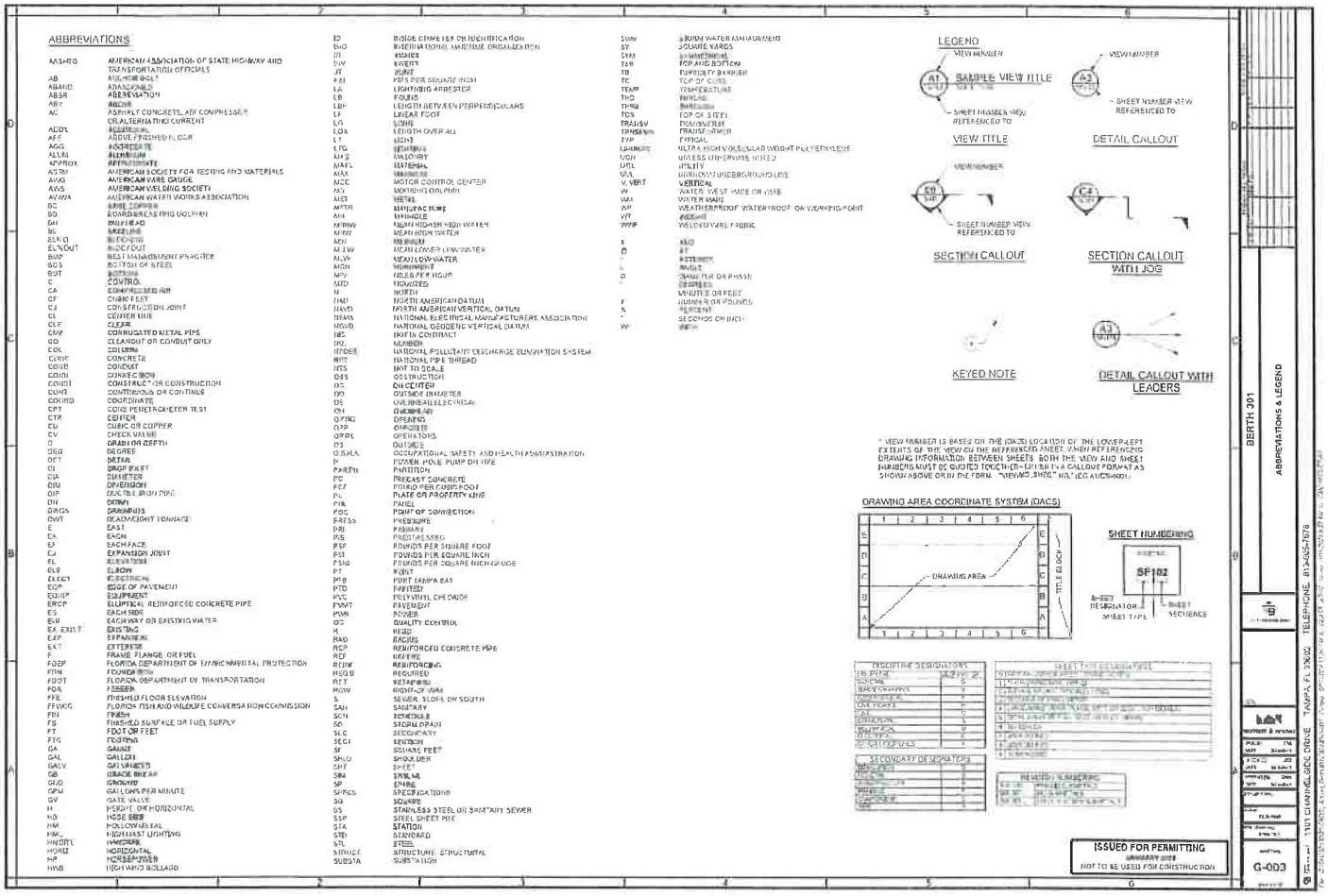
INDEX NO.	SHEET NO.	SHEET TITLE
GENERAL		
1	G-001	COVER SHEET
2	G-002	INDEX OF DRAWINGS
3	G-003	ABBREVIATIONS & LEGEND
4	G-004	GENERAL NOTES (1 OF 2)
5	G-005	GENERAL NOTES (2 OF 2)
6	G-101	GENERAL ARRANGEMENT PLAN
7	G-150	PROJECT SITING PLAN
SURVEY		
8	V-101	EXISTING CONDITIONS PLAN
GEOTECHNICAL		
9	B-101	BORING LOCATION PLAN
10	B-501	BORING LOGS (1 OF 3)
11	B-502	BORING LOGS (2 OF 3)
12	B-503	BORING LOGS (3 OF 3)
DEMOLITION		
13	D-101	DEMOLITION PLAN
14	D-501	DEMOLITION SECTIONS
CIVIL		
15	C-001	CIVIL NOTES
16	C-101	CIVIL SITE PLAN
STRUCTURAL		
17	S-001	STRUCTURAL NOTES
18	S-101	WHARF STRUCTURAL SITE PLAN
19	S-111	WHARF PILE PLAN
20	S-121	WHARF DECK PLAN
21	S-301	TYPICAL WHARF SECTION
22	S-401	ENLARGED WHARF SECTIONS
23	S-501	HIGH MAST BOLLARD DETAILS
24	S-502	BOLLARD DETAILS
25	S-503	FENDER DETAILS

ISSUED FOR PERMITTING
JANUARY 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
INDEX OF DRAWINGS

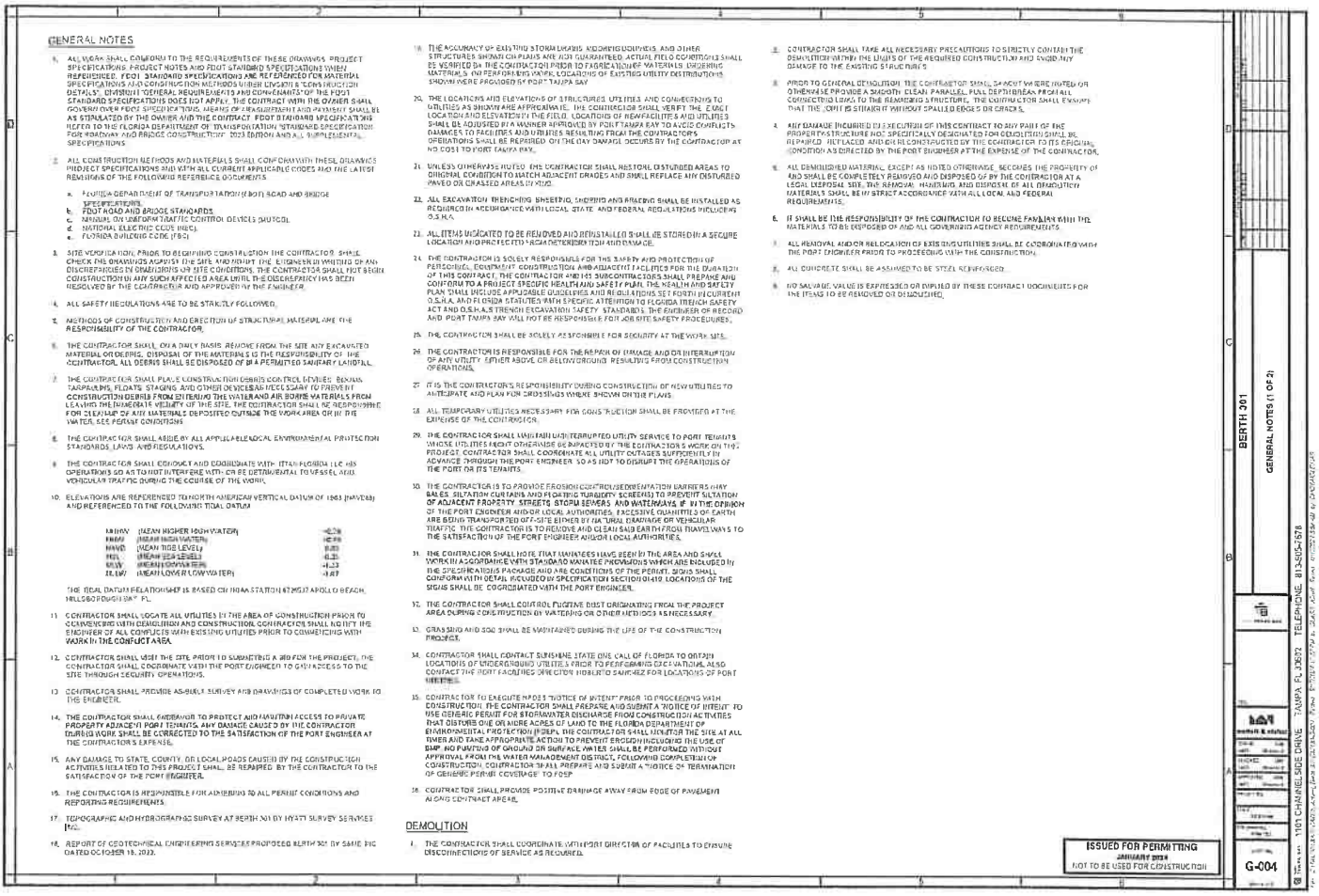
G-002

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SAJ-2002-03332 ENCLOSURE B



GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT SPECIFICATIONS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS", DIVISION I "GENERAL REQUIREMENTS AND CONVENTIONS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION" 2023 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.

2. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM WITH THESE DRAWINGS, PROJECT SPECIFICATIONS AND WITH ALL CURRENT APPLICABLE CODES AND THE LATEST REVISIONS OF THE FOLLOWING REFERENCE DOCUMENTS:
   a. FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) ROAD AND BRIDGE SPECIFICATIONS.
   b. FDOT ROAD AND BRIDGE STANDARDS.
   c. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
   d. NATIONAL ELECTRIC CODE (NEC).
   e. FLORIDA BUILDING CODE (FBC).

3. SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE AND REPORT THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

4. ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.

5. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.

6. THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.

7. THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BERMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER, SEE PERMIT CONDITIONS.

8. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS AND REGULATIONS.

9. THE CONTRACTOR SHALL CONDUCT AND COORDINATE WITH ITAN FLORIDA LLC HIS OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK.

10. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1983 (NAVD88) AND REFERENCED TO THE FOLLOWING TIDAL DATUM

MHHW	(MEAN HIGHER HIGH WATER)	+2.28
MHW	(MEAN HIGH WATER)	+2.03
MWD	(MEAN TIDE LEVEL)	0.00
MSL	(MEAN SEA LEVEL)	-0.20
MLW	(MEAN LOWER LOW WATER)	-1.33
MLLW	(MEAN LOWER LOW WATER)	-1.67

THE TIDAL DATUM RELATIONSHIP IS BASED ON NOAA STATION 8726520 APOLLO BEACH, HILLSBOROUGH BAY, FL.

11. CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.

12. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE PORT ENGINEER TO GAIN ACCESS TO THE SITE THROUGH SECURITY OPERATIONS.

13. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.

14. THE CONTRACTOR SHALL ENDEAVOR TO PROTECT AND MAINTAIN ACCESS TO PRIVATE PROPERTY ADJACENT PORT TENANTS. ANY DAMAGE CAUSED BY THE CONTRACTOR DURING WORK SHALL BE CORRECTED TO THE SATISFACTION OF THE PORT ENGINEER AT THE CONTRACTOR'S EXPENSE.

15. ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE PORT ENGINEER.

16. THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.

17. TOPOGRAPHIC AND HYDROGRAPHIC SURVEY AT BERTH 301 BY HYATT SURVEY SERVICES INC.

18. REPORT OF GEOTECHNICAL ENGINEERING SERVICES PROPOSED BERTH 301 BY SAME, INC DATED OCTOBER 18, 2023.

19. THE ACCURACY OF EXISTING STORM DRAINS AND UTILITIES AND OTHER STRUCTURES SHOWN ON PLANS ARE NOT GUARANTEED. ACTUAL FIELD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATING ANY MATERIALS, ORDERING MATERIALS, OR PERFORMING WORK. LOCATIONS OF EXISTING UTILITY DISTRIBUTIONS SHOWN WERE PROVIDED BY PORT TAMPA BAY.

20. THE LOCATIONS AND ELEVATIONS OF STRUCTURES, UTILITIES AND CONNECTIONS TO UTILITIES AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION IN THE FIELD. LOCATIONS OF NEW FACILITIES AND UTILITIES SHALL BE ADJUSTED IN A MANNER APPROVED BY PORT TAMPA BAY TO AVOID CONFLICTS. DAMAGES TO FACILITIES AND UTILITIES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED ON THE DAY DAMAGE OCCURS BY THE CONTRACTOR AT NO COST TO PORT TAMPA BAY.

21. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.

22. ALL EXCAVATION, TRENCHING, SHEETING, SHORING AND BRACING SHALL BE INSTALLED AS REQUIRED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS INCLUDING O.S.H.A.

23. ALL ITEMS INDICATED TO BE REMOVED AND REINSTALLED SHALL BE STORED IN A SECURE LOCATION AND PROTECTED FROM DETERIORATION AND DAMAGE.

24. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT O.S.H.A. AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND O.S.H.A.'S TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND PORT TAMPA BAY WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.

25. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SECURITY AT THE WORK SITE.

26. THE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF DAMAGE AND OR INTERRUPTION OF ANY UTILITY (EITHER ABOVE OR BELOW GROUND) RESULTING FROM CONSTRUCTION OPERATIONS.

27. IT IS THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION OF NEW UTILITIES TO ANTICIPATE AND PLAN FOR CROSSINGS WHERE SHOWN ON THE PLANS.

28. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.

29. THE CONTRACTOR SHALL MAINTAIN UNINTERRUPTED UTILITY SERVICE TO PORT TENANTS WHOSE UTILITIES MIGHT OTHERWISE BE IMPACTED BY THE CONTRACTOR'S WORK ON THIS PROJECT. CONTRACTOR SHALL COORDINATE ALL UTILITY OUTAGES SUFFICIENTLY IN ADVANCE THROUGH THE PORT ENGINEER SO AS NOT TO DISRUPT THE OPERATIONS OF THE PORT OR ITS TENANTS.

30. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL (FLOATATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS, IF IN THE OPINION OF THE PORT ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVELWAYS TO THE SATISFACTION OF THE PORT ENGINEER AND/OR LOCAL AUTHORITIES.

31. THE CONTRACTOR SHALL NOTE THAT MANATEES HAVE BEEN IN THE AREA AND SHALL WORK IN ACCORDANCE WITH STANDARD MANATEE PROVISIONS WHICH ARE INCLUDED IN THE SPECIFICATIONS PACKAGE AND ARE CONDITIONS OF THE PERMIT. SIGNS SHALL CONFORM WITH DETAIL INCLUDED IN SPECIFICATION SECTION 01419. LOCATIONS OF THE SIGNS SHALL BE COORDINATED WITH THE PORT ENGINEER.

32. THE CONTRACTOR SHALL CONTROL FUGITIVE DUST ORIGINATING FROM THE PROJECT AREA DURING CONSTRUCTION BY WATERING OR OTHER METHODS AS NECESSARY.

33. GRASSING AND SOD SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION PROJECT.

34. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA TO OBTAIN LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO PERFORMING EXCAVATIONS. ALSO CONTACT THE PORT FACILITIES DIRECTOR HUBERTO SANCHEZ FOR LOCATIONS OF PORT UTILITIES.

35. CONTRACTOR TO EXECUTE NPDES "NOTICE OF INTENT" PRIOR TO PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL PREPARE AND SUBMIT A "NOTICE OF INTENT" TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURBS ONE OR MORE ACRES OF LAND TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE CONTRACTOR SHALL MONITOR THE SITE AT ALL TIMES AND TAKE APPROPRIATE ACTION TO PREVENT EROSION INCLUDING THE USE OF BMP. NO PUMPING OF GROUND OR SURFACE WATER SHALL BE PERFORMED WITHOUT APPROVAL FROM THE WATER MANAGEMENT DISTRICT. FOLLOWING COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL PREPARE AND SUBMIT A "NOTICE OF TERMINATION OF GENERIC PERMIT COVERAGE" TO FDEP.

36. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM EDGE OF PAVEMENT ALONG CONTRACT AREAS.

DEMOLITION

1. THE CONTRACTOR SHALL COORDINATE WITH PORT DIRECTOR OF FACILITIES TO ENSURE DISCONNECTIONS OF SERVICE AS REQUIRED.

2. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURES.

3. PRIOR TO GENERAL DEMOLITION, THE CONTRACTOR SHALL SAWCUT WHERE NOTED OR OTHERWISE PROVIDE A SMOOTH, CLEAN, PARALLEL, FULL DEPTH BREAK FROM ALL CONNECTED LOADS TO THE REMAINING STRUCTURE. THE CONTRACTOR SHALL ENSURE THAT THE JOINT IS STRAIGHT WITHOUT SPALLED EDGES OR CRACKS.

4. ANY DAMAGE INCURRED DURING EXECUTION OF THIS CONTRACT TO ANY PART OF THE PROPERTY/STRUCTURE NOT SPECIFICALLY DESIGNATED FOR DEMOLITION SHALL BE REPAIRED, RE-PLACED AND/OR RECONSTRUCTED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AS DIRECTED BY THE PORT ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

5. ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF AND SHALL BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR AT A LEGAL DISPOSAL SITE. THE REMOVAL, HANDLING AND DISPOSAL OF ALL DEMOLITION MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL AND FEDERAL REQUIREMENTS.

6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RECONCILE PAYMENT WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.

7. ALL REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES SHALL BE COORDINATED WITH THE PORT ENGINEER PRIOR TO PROCEEDING WITH THE CONSTRUCTION.

8. ALL CONCRETE SHALL BE ASSUMED TO BE STEEL REINFORCED.

9. NO SALVAGE VALUE IS EXPRESSED OR IMPLIED BY THESE CONTRACT DOCUMENTS FOR THE ITEMS TO BE REMOVED OR DEMOLISHED.

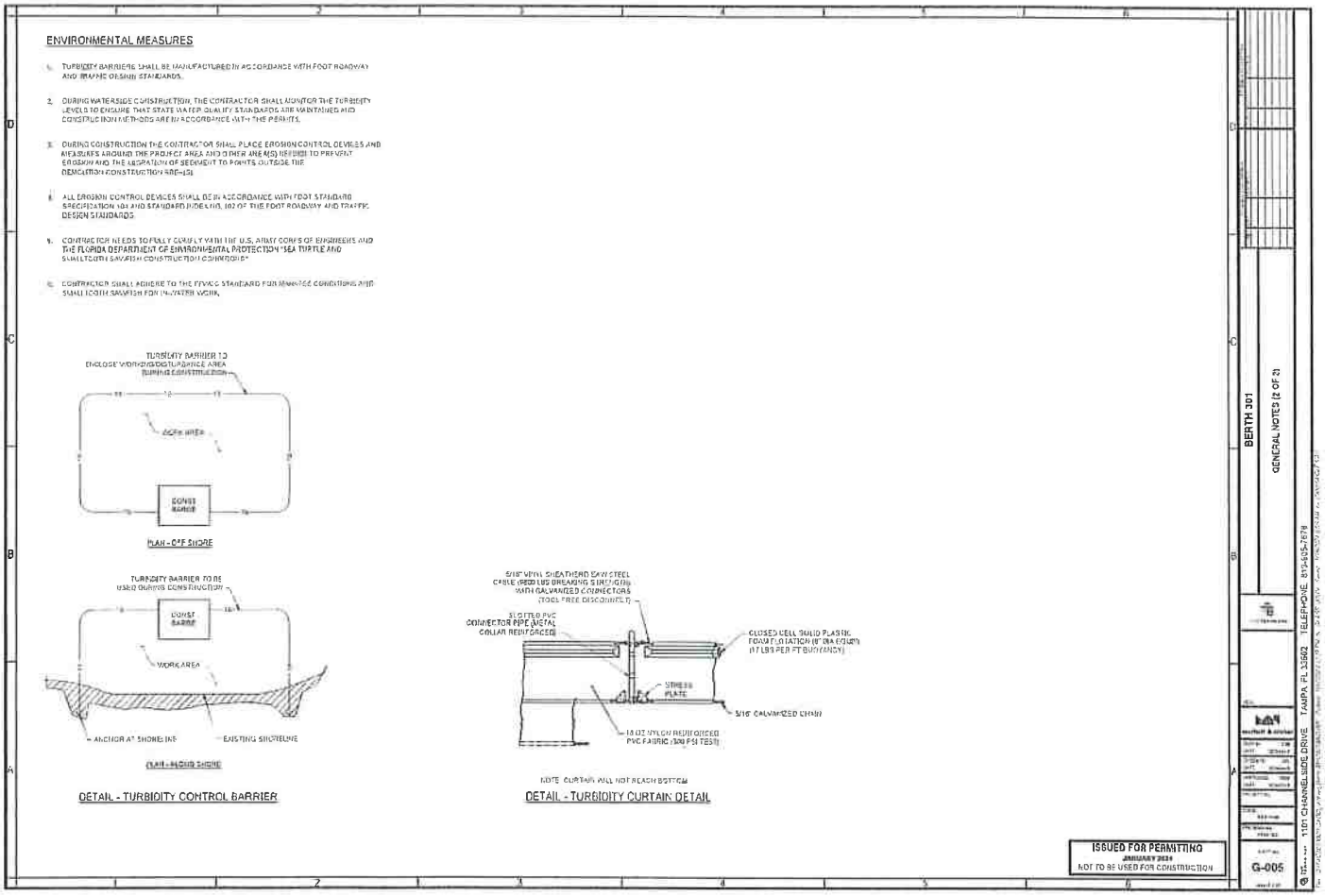
ISSUED FOR PERMITTING
JANUARY 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
GENERAL NOTES (1 OF 2)

G-004

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SAJ-2002-03332 ENCLOSURE B



ENVIRONMENTAL MEASURES

1. TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
2. DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
3. DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) REQUIRED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
4. ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
5. CONTRACTOR NEEDS TO FULLY COMPLY WITH THE U.S. ARMY CORPS OF ENGINEERS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION "SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS".
6. CONTRACTOR SHALL ADHERE TO THE FDOCG STANDARD FOR MANATEE CONDITIONS AND SMALLTOOTH SAWFISH FOR IN-WATER WORK.

DETAIL - TURBIDITY CONTROL BARRIER

NOTE: CURTAIN WILL NOT REACH BOTTOM

DETAIL - TURBIDITY CURTAIN DETAIL

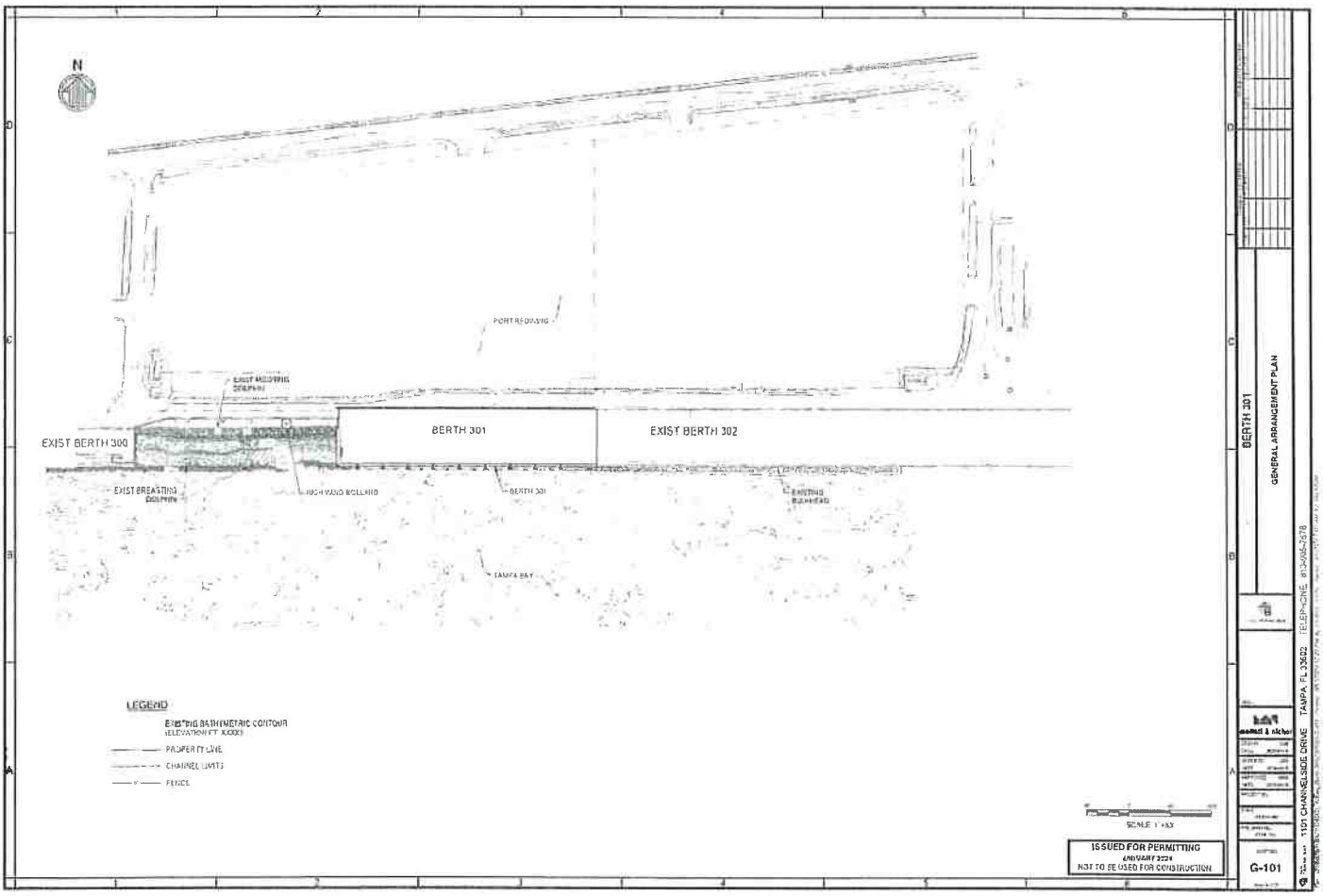
ISSUED FOR PERMITTING
JANUARY 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
GENERAL NOTES (2 OF 2)
G-005

100 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE 813-605-7678

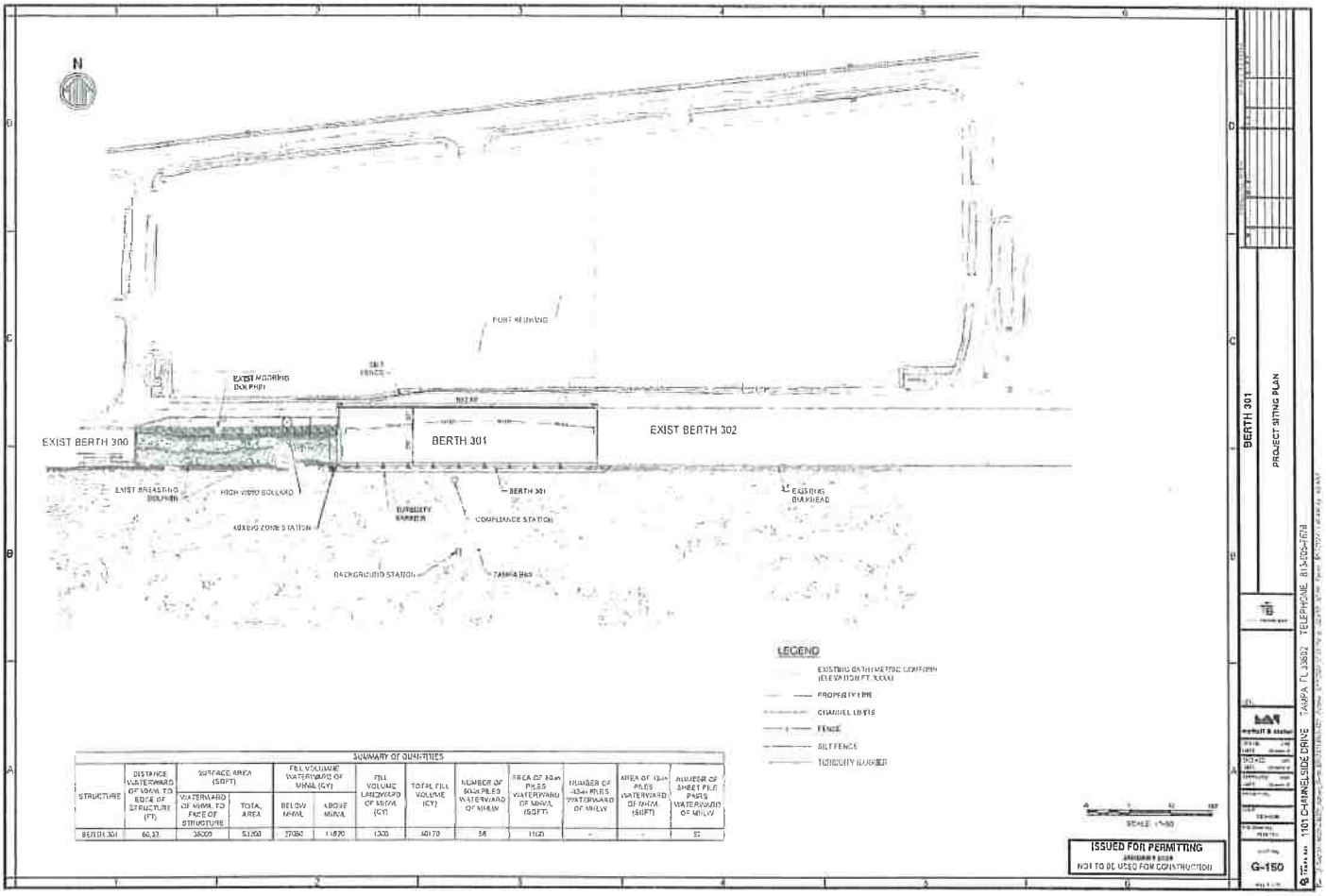
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SAJ-2002-03332 ENCLOSURE B



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SAJ-2002-03332 ENCLOSURE B

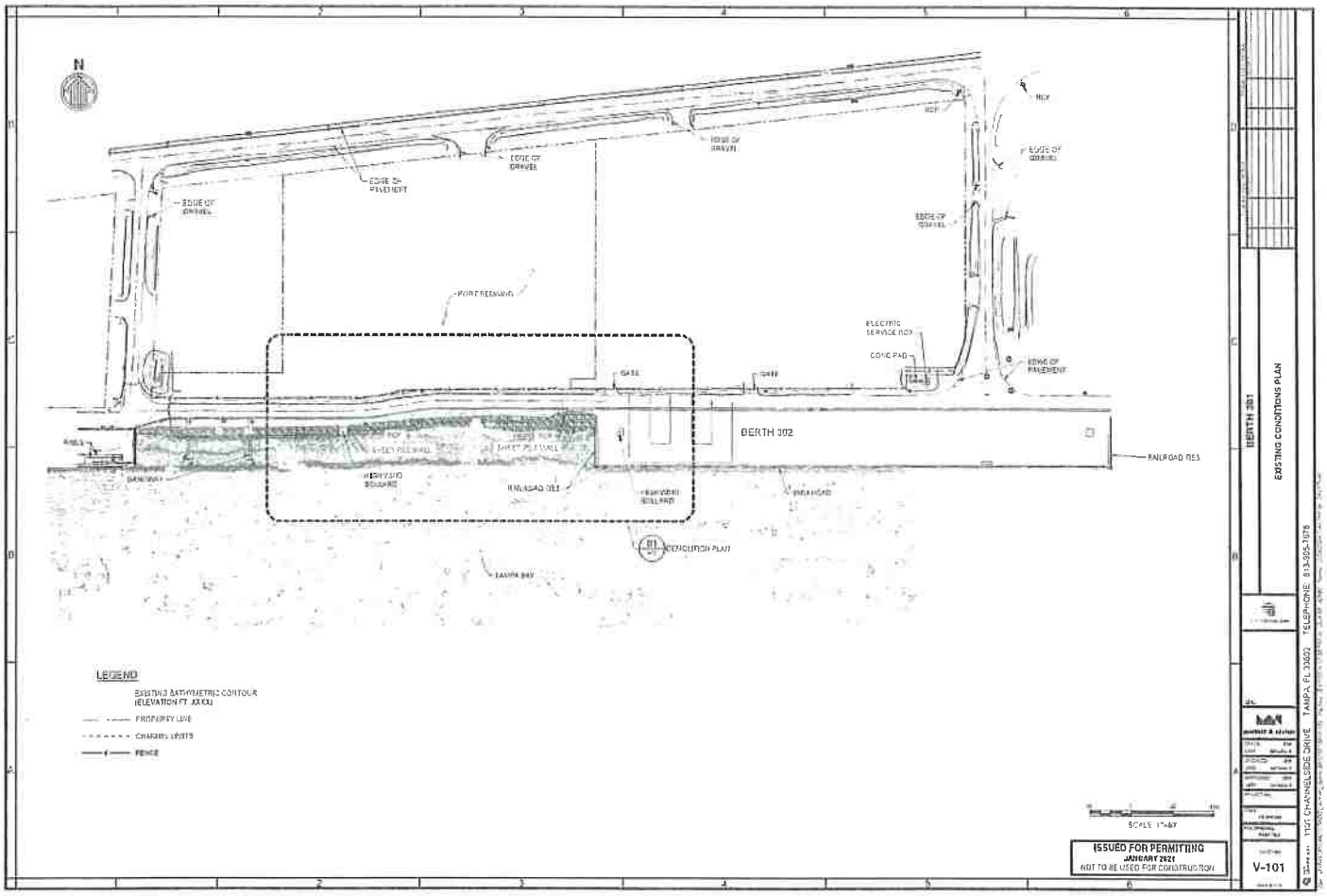


SUMMARY OF QUANTITIES

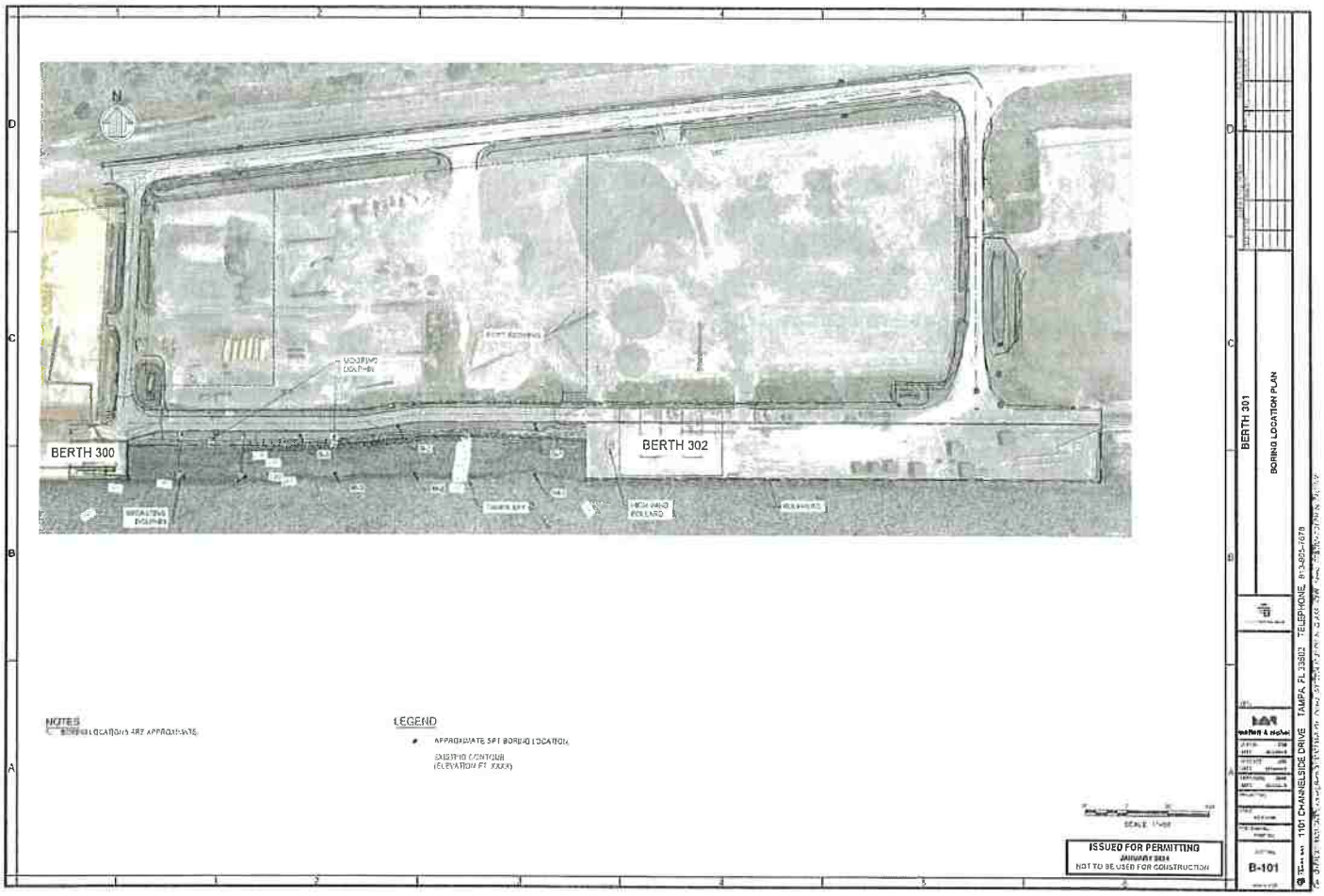
STRUCTURE	DISTANCE WATERWARD OF MHW TO EDGE OF STRUCTURE (FT)	SURFACE AREA (SQFT)		FILL VOLUME WATERWARD OF MHW (CY)		FILL VOLUME LANDWARD OF MHW (CY)	TOTAL FILL VOLUME (CY)	NUMBER OF 60in PILES WATERWARD OF MHW	AREA OF 60in PILES WATERWARD OF MHW (SQFT)	NUMBER OF 48in PILES WATERWARD OF MHW	AREA OF 48in PILES WATERWARD OF MHW (SQFT)	NUMBER OF SHEET PILE PAIRS WATERWARD OF MHW
		WATERWARD OF MHW TO FACE OF STRUCTURE	TOTAL AREA	BELOW MHW	ABOVE MHW							
BERTH 301	60.33	38009	53260	37080	11870	1300	40170	56	1120	-	-	52

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SAJ-2002-03332 ENCLOSURE B



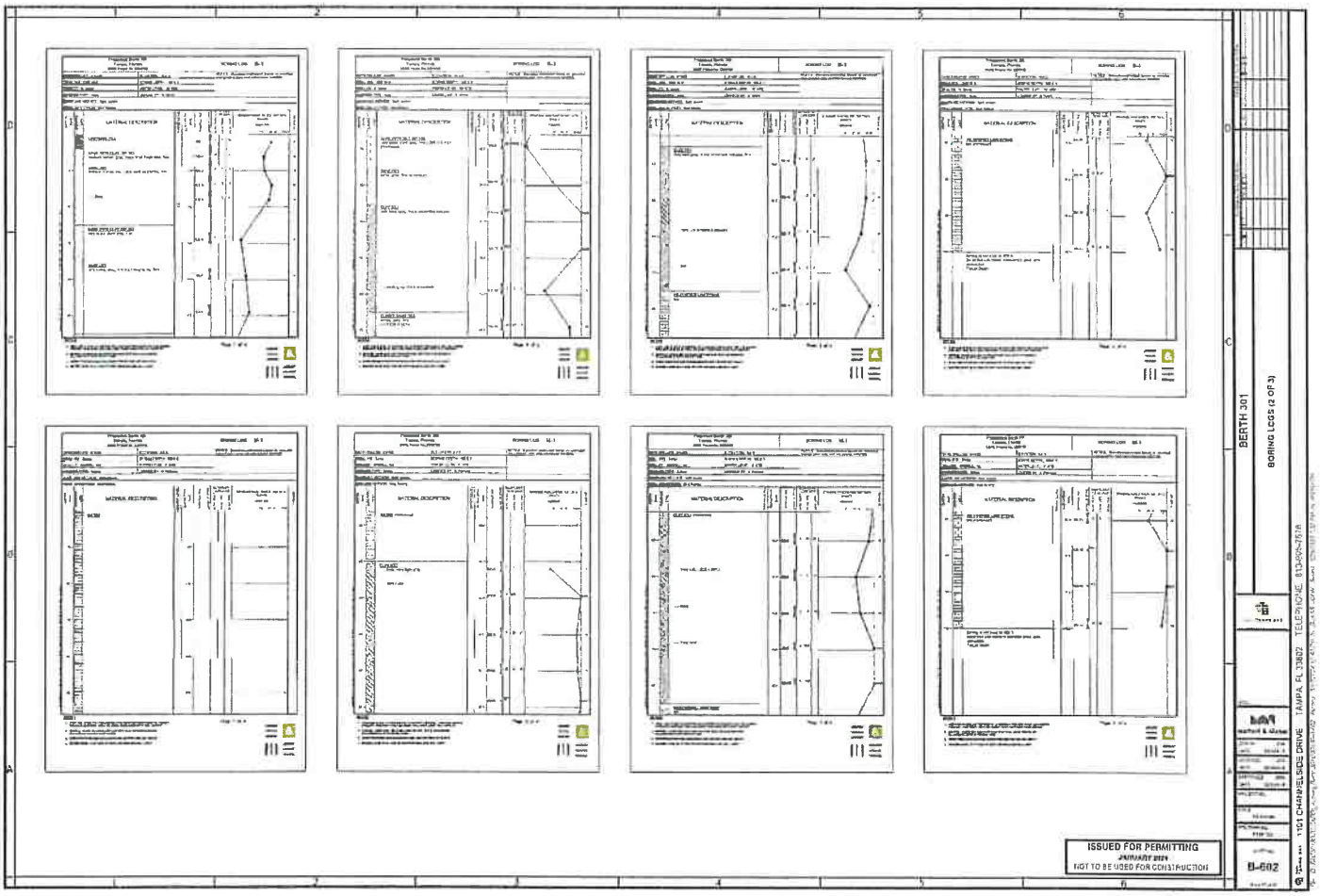
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



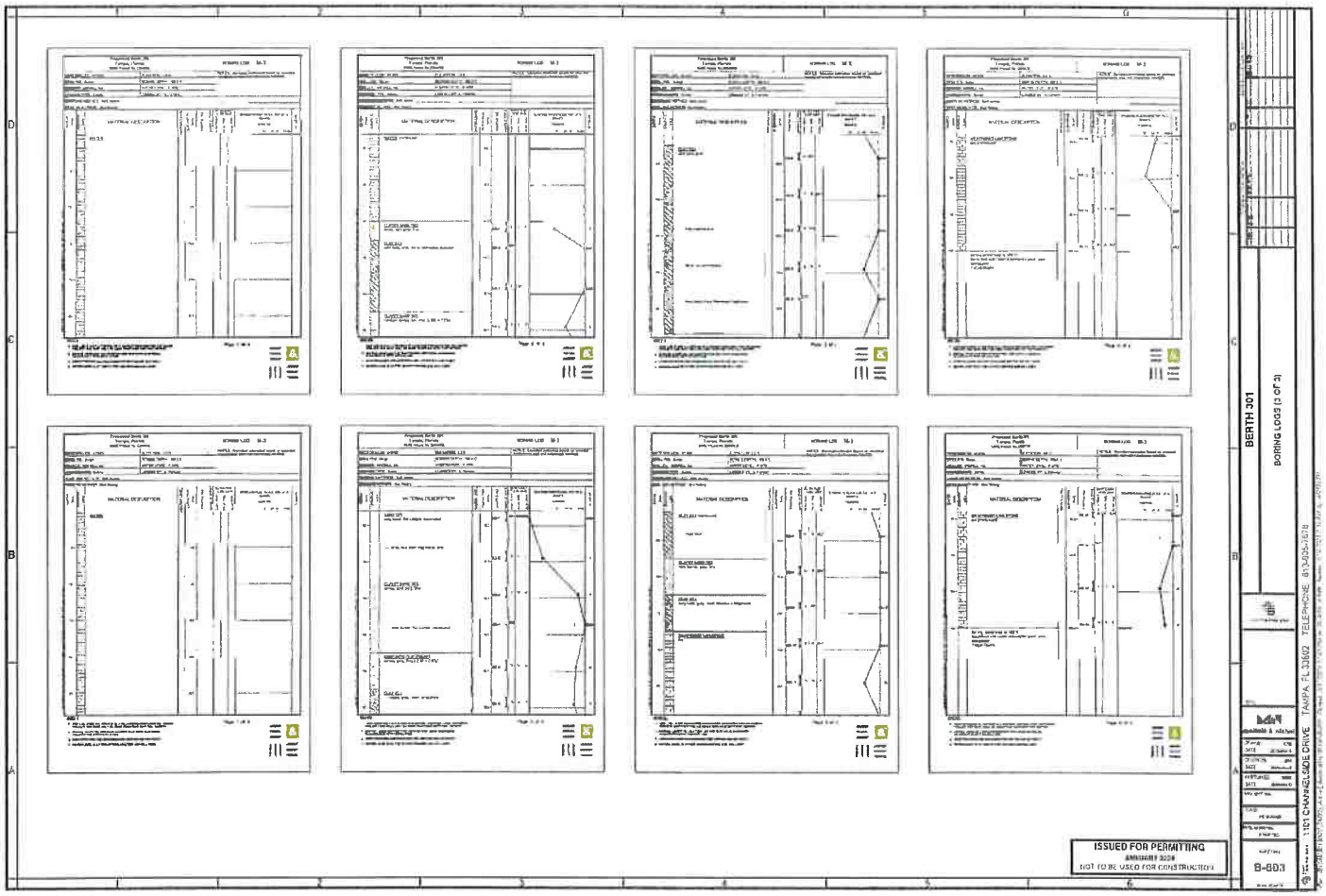
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

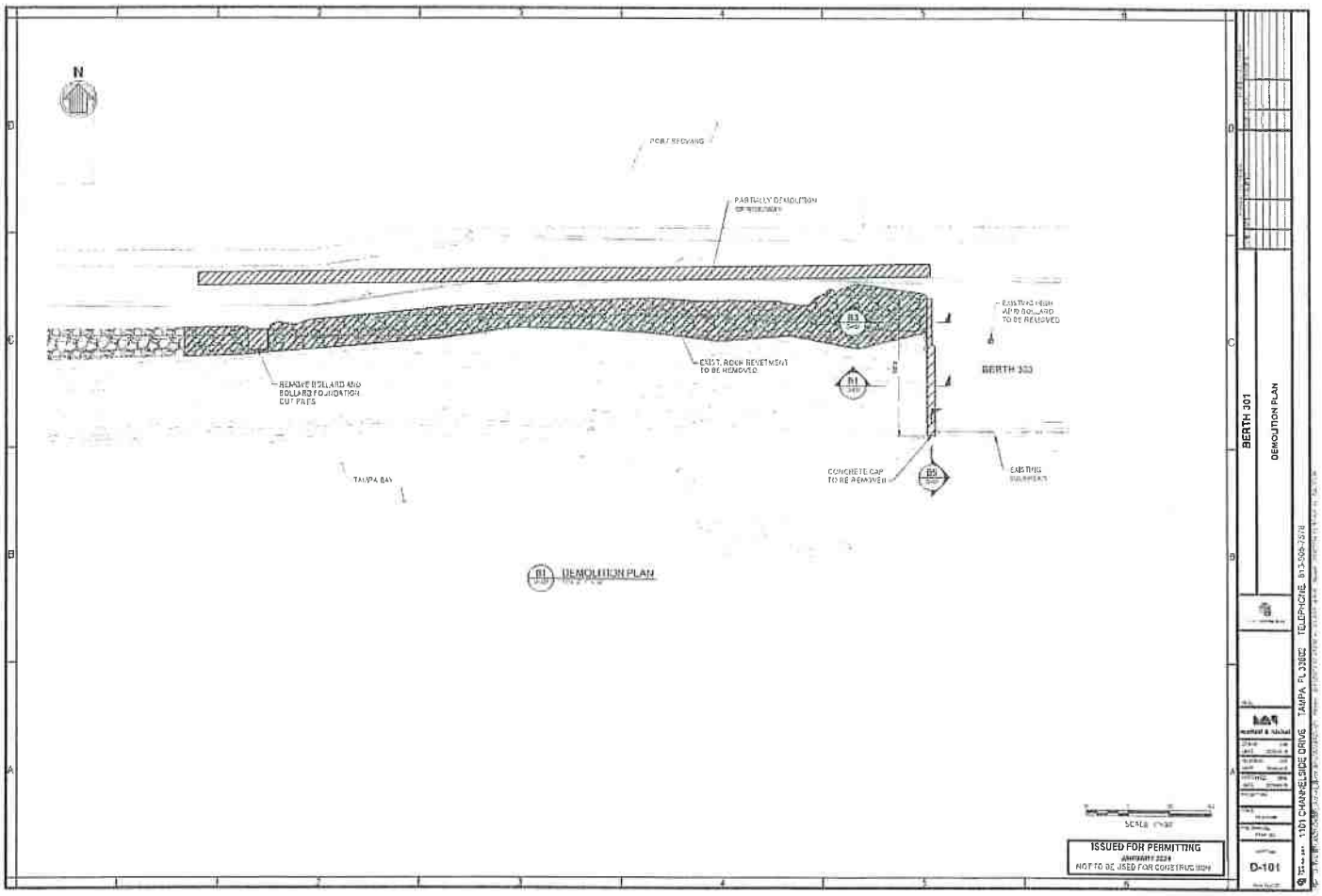


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

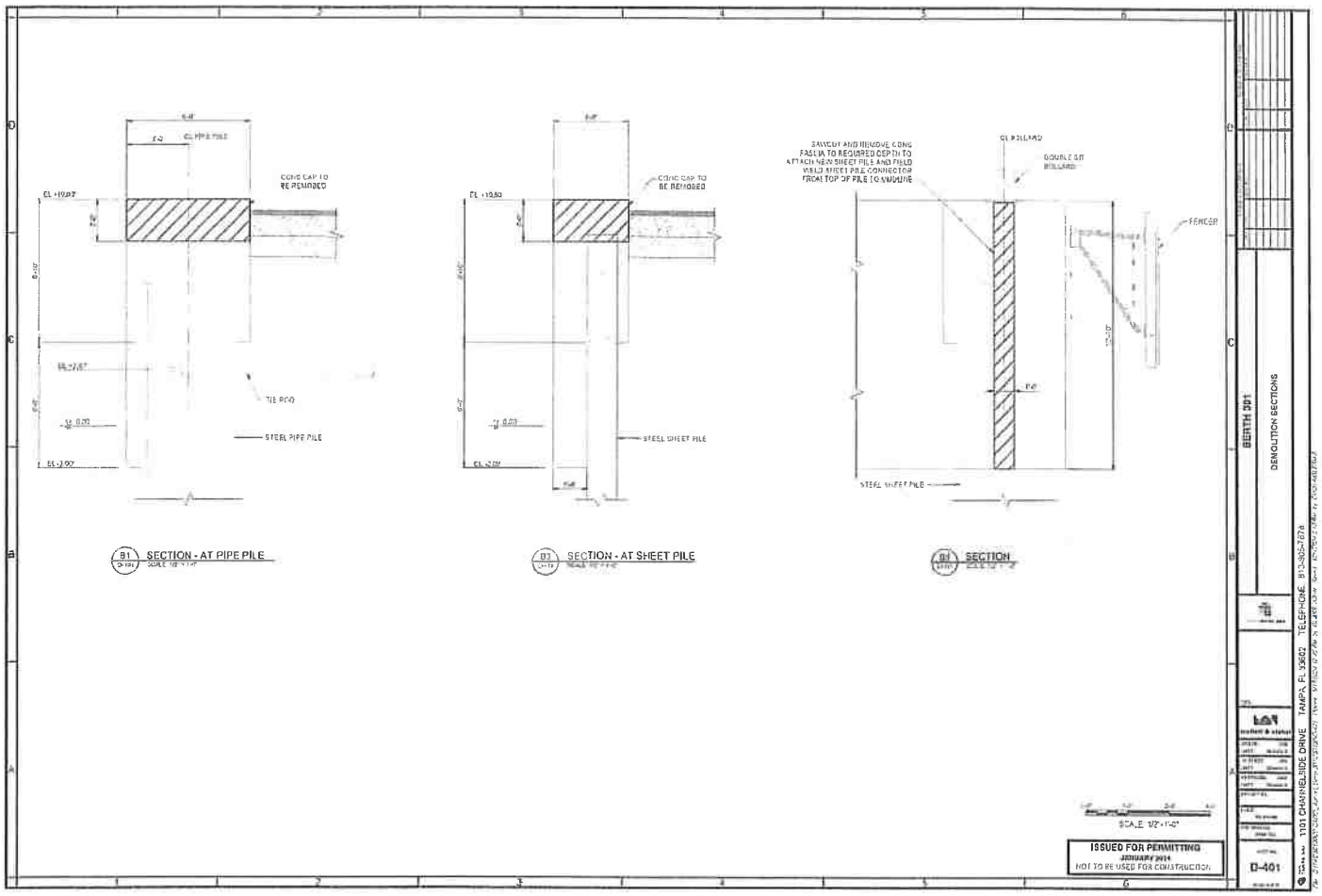


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

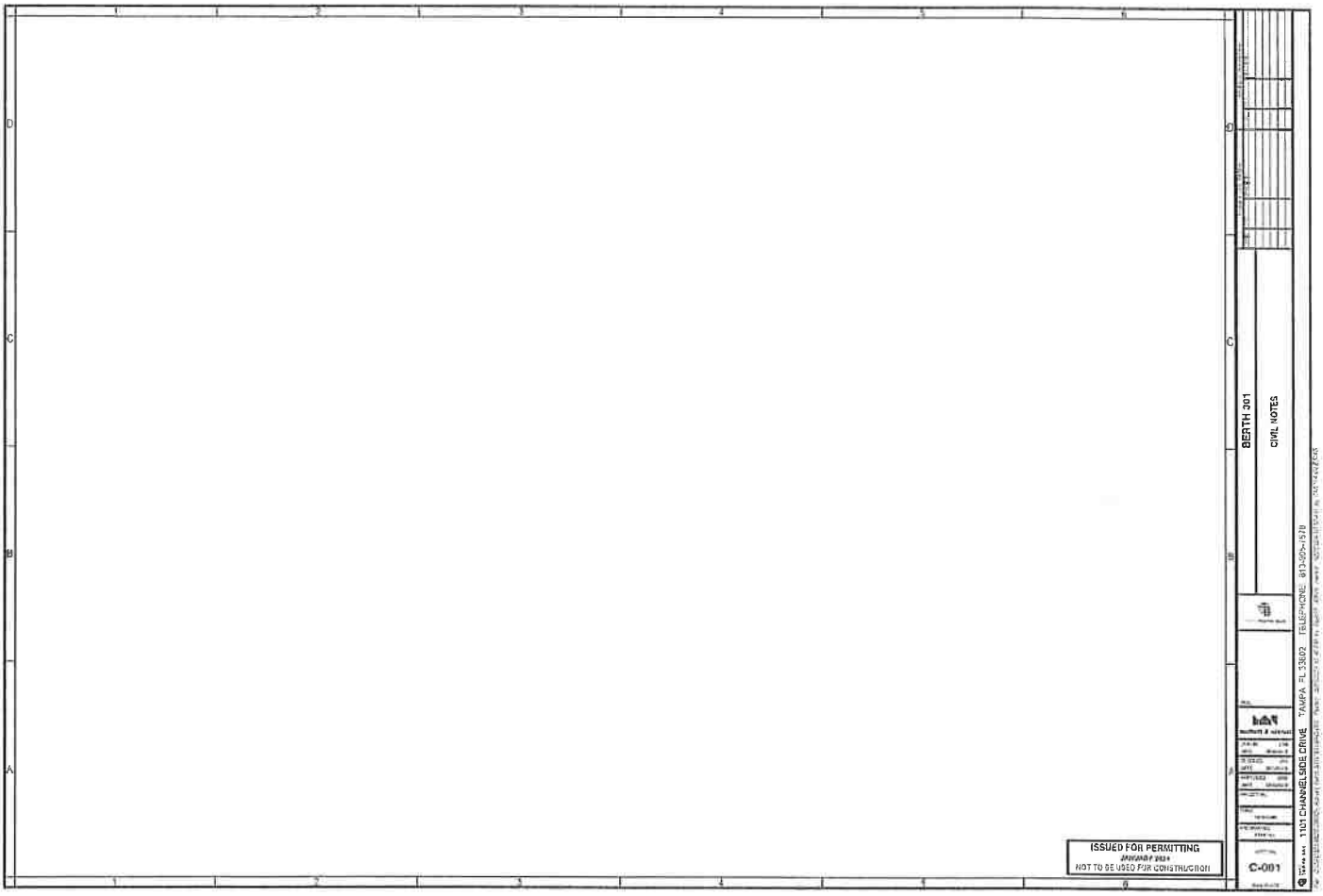
SAJ-2002-03332 ENCLOSURE B



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

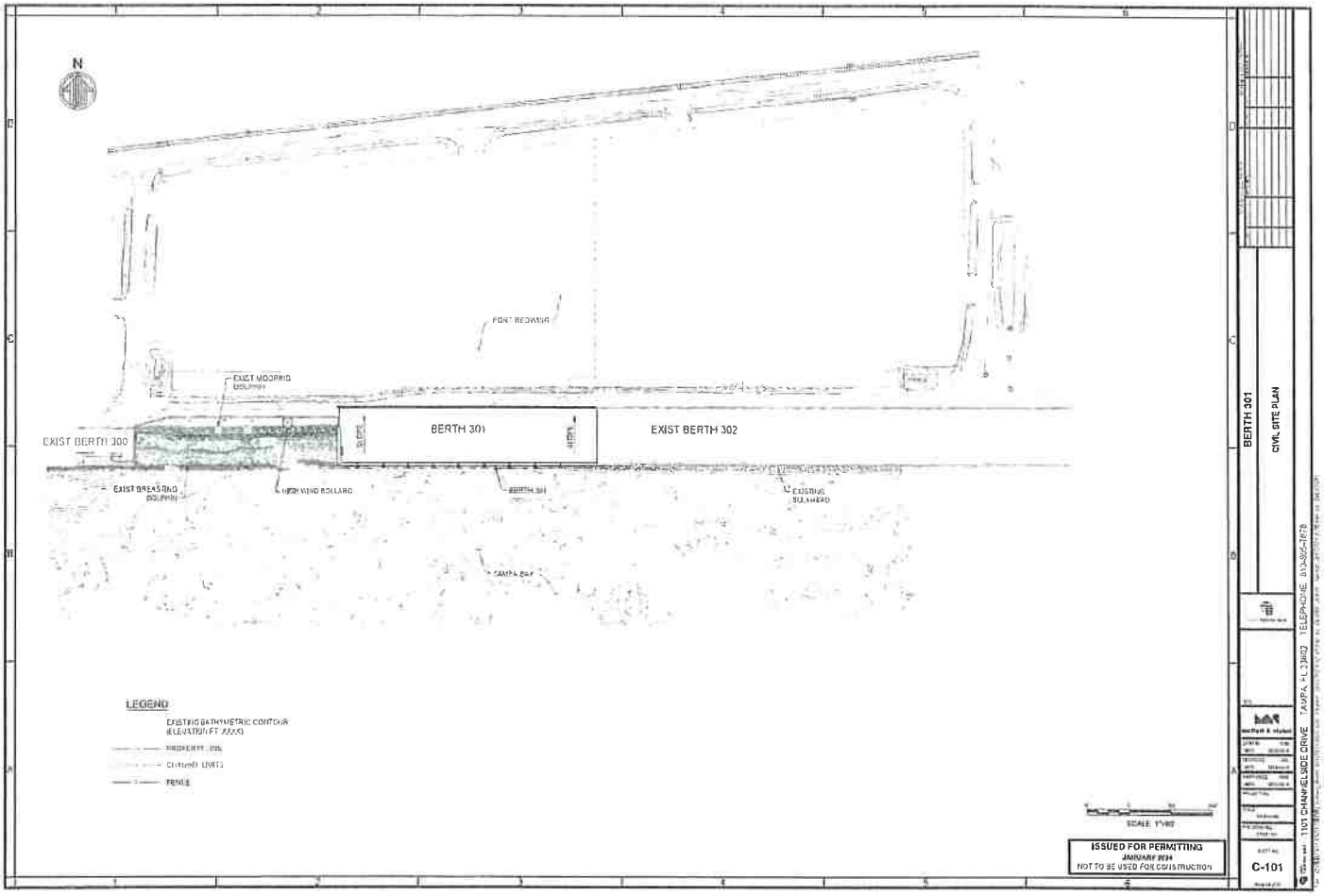


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

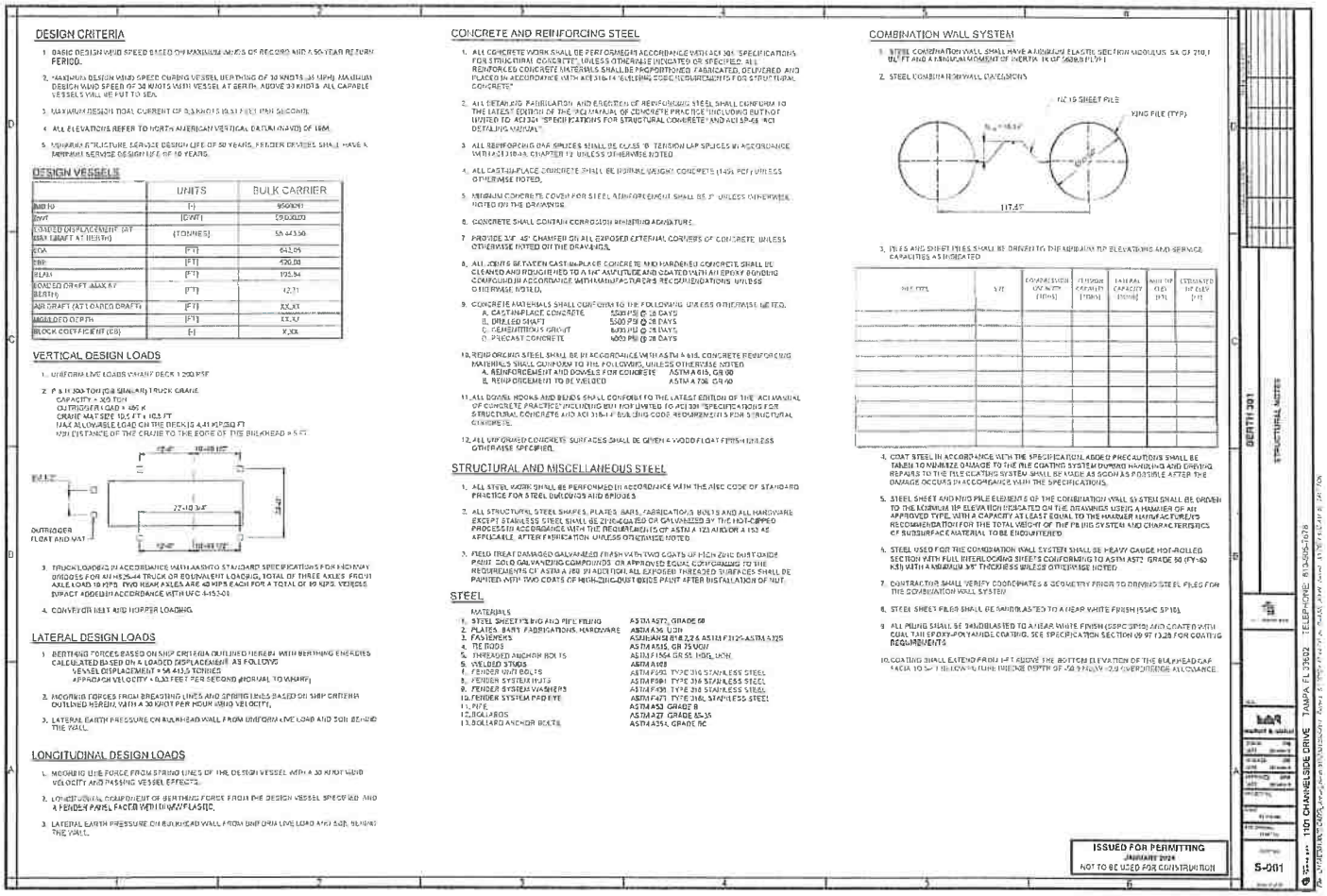


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SAJ-2002-03332 ENCLOSURE B



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



DESIGN CRITERIA

1. BASIC DESIGN WIND SPEED BASED ON MAXIMUM WINDS OF RECORD AND A 50-YEAR RETURN PERIOD.
2. MAXIMUM DESIGN WIND SPEED DURING VESSEL BERTHING OF 30 KNOTS (35 MPH). MAXIMUM DESIGN WIND SPEED OF 50 KNOTS WITH VESSEL AT BERTH. ABOVE 50 KNOTS, ALL CAPABLE VESSELS WILL BE PUT TO SEA.
3. MAXIMUM DESIGN TIDAL CURRENT OF 3.3 KNOTS (5.57 FEET PER SECOND).
4. ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
5. MINIMUM STRUCTURE SERVICE DESIGN LIFE OF 50 YEARS. FENDER DEVICES SHALL HAVE A MINIMUM SERVICE DESIGN LIFE OF 10 YEARS.

DESIGN VESSELS

	UNITS	BULK CARRIER
IMO NO	[-]	9506261
DWT	[DWT]	150,000
LOADED DISPLACEMENT (AT MAX DRAFT AT BERTH)	[TONNES]	58,443.56
LOA	[FT]	643.05
LBP	[FT]	620.08
BEAM	[FT]	105.94
LOADED DRAFT (MAX AT BERTH)	[FT]	42.31
AIR DRAFT (AT LOADED DRAFT)	[FT]	XX.XX
MOLDED DEPTH	[FT]	XX.XX
BLOCK COEFFICIENT (CB)	[-]	X.XX

VERTICAL DESIGN LOADS

1. UNIFORM LIVE LOADS (MAIN DECK): 1,200 PSF
2. (1 @ 11 300-TON (OR SIMILAR)) TRUCK CRANE
   CAPACITY = 300 TON
   OUTRIGGER LOAD = 495 K
   CRANE MAT SIZE: 10.5 FT x 10.5 FT
   MAX ALLOWABLE LOAD ON THE DECK IS 4.41 KIPS/SQ FT
   MIN DISTANCE OF THE CRANE TO THE EDGE OF THE BULKHEAD = 5 FT.

3. TRUCK LOADING IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES FOR AN HS25-44 TRUCK OR EQUIVALENT LOADING, TOTAL OF THREE AXLES: FRONT AXLE LOAD 10 KIPS, TWO REAR AXLES ARE 40 KIPS EACH FOR A TOTAL OF 90 KIPS. VEHICLE IMPACT ADDED IN ACCORDANCE WITH AISC 4-153-01.
4. CONVEYOR BELT AND HOPPER LOADING.

LATERAL DESIGN LOADS

1. BERTHING FORCES BASED ON SHIP CRITERIA OUTLINED HEREIN WITH BERTHING ENERGIES CALCULATED BASED ON A LOADED DISPLACEMENT AS FOLLOWS
   VESSEL DISPLACEMENT = 58,443.5 TONNES
   APPROACH VELOCITY = 0.33 FEET PER SECOND (NORMAL TO WHARF)
2. MOORING FORCES FROM BREASTING LINES AND SPRING LINES BASED ON SHIP CRITERIA OUTLINED HEREIN, WITH A 30 KNOT PER HOUR WIND VELOCITY.
3. LATERAL EARTH PRESSURE ON BULKHEAD WALL FROM UNIFORM LIVE LOAD AND SOIL BEHIND THE WALL.

LONGITUDINAL DESIGN LOADS

1. MOORING LINE FORCE FROM SPRING LINES OF THE DESIGN VESSEL WITH A 30 KNOT WIND VELOCITY AND PASSING VESSEL EFFECTS.
2. LONGITUDINAL COMPONENT OF BERTHING FORCE FROM THE DESIGN VESSEL SPECIFIED AND A FENDER PANEL FACE WITH UHMW PLASTIC.
3. LATERAL EARTH PRESSURE ON BULKHEAD WALL FROM UNIFORM LIVE LOAD AND SOIL BEHIND THE WALL.

CONCRETE AND REINFORCING STEEL

1. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" UNLESS OTHERWISE INDICATED OR SPECIFIED. ALL REINFORCED CONCRETE MATERIALS SHALL BE PROPORTIONED, FABRICATED, DELIVERED AND PLACED IN ACCORDANCE WITH ACI 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
2. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITION OF THE "ACI MANUAL OF CONCRETE PRACTICE" INCLUDING BUT NOT LIMITED TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI SP-66 "ACI DETAILING MANUAL".
3. ALL REINFORCING BAR SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES IN ACCORDANCE WITH ACI 318-14, CHAPTER 12 UNLESS OTHERWISE NOTED.
4. ALL CAST-IN-PLACE CONCRETE SHALL BE NORMAL WEIGHT CONCRETE (145 PCF) UNLESS OTHERWISE NOTED.
5. MINIMUM CONCRETE COVER FOR STEEL REINFORCEMENT SHALL BE 3" UNLESS OTHERWISE NOTED ON THE DRAWINGS.
6. CONCRETE SHALL CONTAIN CORROSION INHIBITING ADMIXTURE.
7. PROVIDE 3/4" 45° CHAMFER ON ALL EXPOSED EXTERNAL CORNERS OF CONCRETE, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
8. ALL JOINTS BETWEEN CAST-IN-PLACE CONCRETE AND HARDENED CONCRETE SHALL BE CLEANED AND ROUGHENED TO A 1/4" AMPLITUDE AND COATED WITH AN EPOXY BONDING COMPOUND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED.
9. CONCRETE MATERIALS SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED.
   A. CAST-IN-PLACE CONCRETE — 5,500 PSI @ 28 DAYS
   B. DRILLED SHAFT — 5,500 PSI @ 28 DAYS
   C. CEMENTITIOUS GROUT — 8,000 PSI @ 28 DAYS
   D. PRECAST CONCRETE — 6,000 PSI @ 28 DAYS
10. REINFORCING STEEL SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A 615. CONCRETE REINFORCING MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED.
    A. REINFORCEMENT AND DOWELS FOR CONCRETE — ASTM A 615, GR 60
    B. REINFORCEMENT TO BE WELDED — ASTM A 706, GR 60
11. ALL BORED HOOKS AND BENDS SHALL CONFORM TO THE LATEST EDITION OF THE "ACI MANUAL OF CONCRETE PRACTICE" INCLUDING BUT NOT LIMITED TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
12. ALL UNFORMED CONCRETE SURFACES SHALL BE GIVEN A WOOD FLOAT FINISH UNLESS OTHERWISE SPECIFIED.

STRUCTURAL AND MISCELLANEOUS STEEL

1. ALL STEEL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
2. ALL STRUCTURAL STEEL SHAPES, PLATES, BARS, FABRICATION, BOLTS AND ALL HARDWARE EXCEPT STAINLESS STEEL SHALL BE ZINC-COATED OR GALVANIZED BY THE HOT-DIPPED PROCESS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A 123 AND/OR A 153 AS APPLICABLE, AFTER FABRICATION, UNLESS OTHERWISE NOTED.
3. FIELD TREAT DAMAGED GALVANIZED FINISH WITH TWO COATS OF HIGH ZINC DUST OXIDE PAINT. COLD GALVANIZING COMPOUNDS OR APPROVED EQUAL CONFORMING TO THE REQUIREMENTS OF ASTM A 780. IN ADDITION, ALL EXPOSED THREADED SURFACES SHALL BE PAINTED WITH TWO COATS OF HIGH-ZINC-DUST OXIDE PAINT AFTER INSTALLATION OF NUT.

STEEL

MATERIALS

1. STEEL SHEET PILING AND PIPE PILING	ASTM A572, GRADE 50
2. PLATES, BARS, FABRICATIONS, HARDWARE	ASTM A36, U.O.N.
3. FASTENERS	ASTM A325 OR F3125-A325, ASTM F3125-A325
4. TIE RODS	ASTM A615, GR 75 (KSI)
5. THREADED ANCHOR BOLTS	ASTM F1554 GR 55, HDG, U.O.N.
6. WELDED STUDS	ASTM A108
7. FENDER UNIT BOLTS	ASTM F593, TYPE 316 STAINLESS STEEL
8. FENDER SYSTEM NUTS	ASTM F594, TYPE 316 STAINLESS STEEL
9. FENDER SYSTEM WASHERS	ASTM F436, TYPE 316 STAINLESS STEEL
10. FENDER SYSTEM PADEYE	ASTM F477, TYPE 316L STAINLESS STEEL
11. PIPE	ASTM A53, GRADE B
12. BOLLARDS	ASTM A27, GRADE 65-35
13. BOLLARD ANCHOR BOLTS	ASTM A354, GRADE BC

COMBINATION WALL SYSTEM

1. STEEL COMBINATION WALL SHALL HAVE A MINIMUM ELASTIC SECTION MODULUS, Sx OF 210.1 IN.³/FT AND A MINIMUM MOMENT OF INERTIA, Ix OF 5688.9 IN.⁴/FT.
2. STEEL COMBINATION WALL DIAGRAMS

3. PILES AND SHEET PILES SHALL BE DRIVEN TO THE MINIMUM TIP ELEVATIONS AND SEAWARD CAPACITIES AS INDICATED.

PILE TYPE	SIZE	CORROSION LOSS (NOTE)	CUMULATIVE CAPACITY (TONS)	LATERAL CAPACITY (TONS)	MIN TIP ELEV (FT)	ESTIMATED TIP ELEV (FT)

4. COAT STEEL IN ACCORDANCE WITH THE SPECIFICATION. ADDED PRECAUTIONS SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE PILE COATING SYSTEM DURING HANDLING AND DRIVING. REPAIRS TO THE PILE COATING SYSTEM SHALL BE MADE AS SOON AS POSSIBLE AFTER THE DAMAGE OCCURS IN ACCORDANCE WITH THE SPECIFICATIONS.
5. STEEL SHEET AND KING PILE ELEMENTS OF THE COMBINATION WALL SYSTEM SHALL BE DRIVEN TO THE MINIMUM TIP ELEVATION INDICATED ON THE DRAWINGS USING A HAMMER OF AN APPROVED TYPE, WITH A CAPACITY AT LEAST EQUAL TO THE HAMMER MANUFACTURER'S RECOMMENDATION FOR THE TOTAL WEIGHT OF THE PILING SYSTEM AND CHARACTERISTICS OF SUBSURFACE MATERIAL TO BE ENCOUNTERED.
6. STEEL USED FOR THE COMBINATION WALL SYSTEM SHALL BE HEAVY GAUGE HOT-ROLLED SECTION WITH FULL INTERLOCKING SHEETS CONFORMING TO ASTM A572 GRADE 50 (FY=50 KSI) WITH A MINIMUM WT. THICKNESS UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL VERIFY COORDINATES & GEOMETRY PRIOR TO DRIVING STEEL PILES FOR THE COMBINATION WALL SYSTEM.
8. STEEL SHEET PILES SHALL BE SAND BLASTED TO A NEAR WHITE FINISH (SSPC-SP10) AND COATED WITH COAL TAR EPOXY-POLYAMIDE COATING. SEE SPECIFICATION SECTION 09 97 13.23 FOR COATING REQUIREMENTS.
9. ALL PILING SHALL BE SAND BLASTED TO A NEAR WHITE FINISH (SSPC-SP10) AND COATED WITH COAL TAR EPOXY-POLYAMIDE COATING. SEE SPECIFICATION SECTION 09 97 13.23 FOR COATING REQUIREMENTS.
10. COATING SHALL EXTEND FROM 1FT ABOVE THE BOTTOM ELEVATION OF THE BULKHEAD CAP FACIA TO 5FT BELOW FUTURE DREDGE DEPTH OF -50 FT NAVD +2.0 FT OVERDREDGE ALLOWANCE.

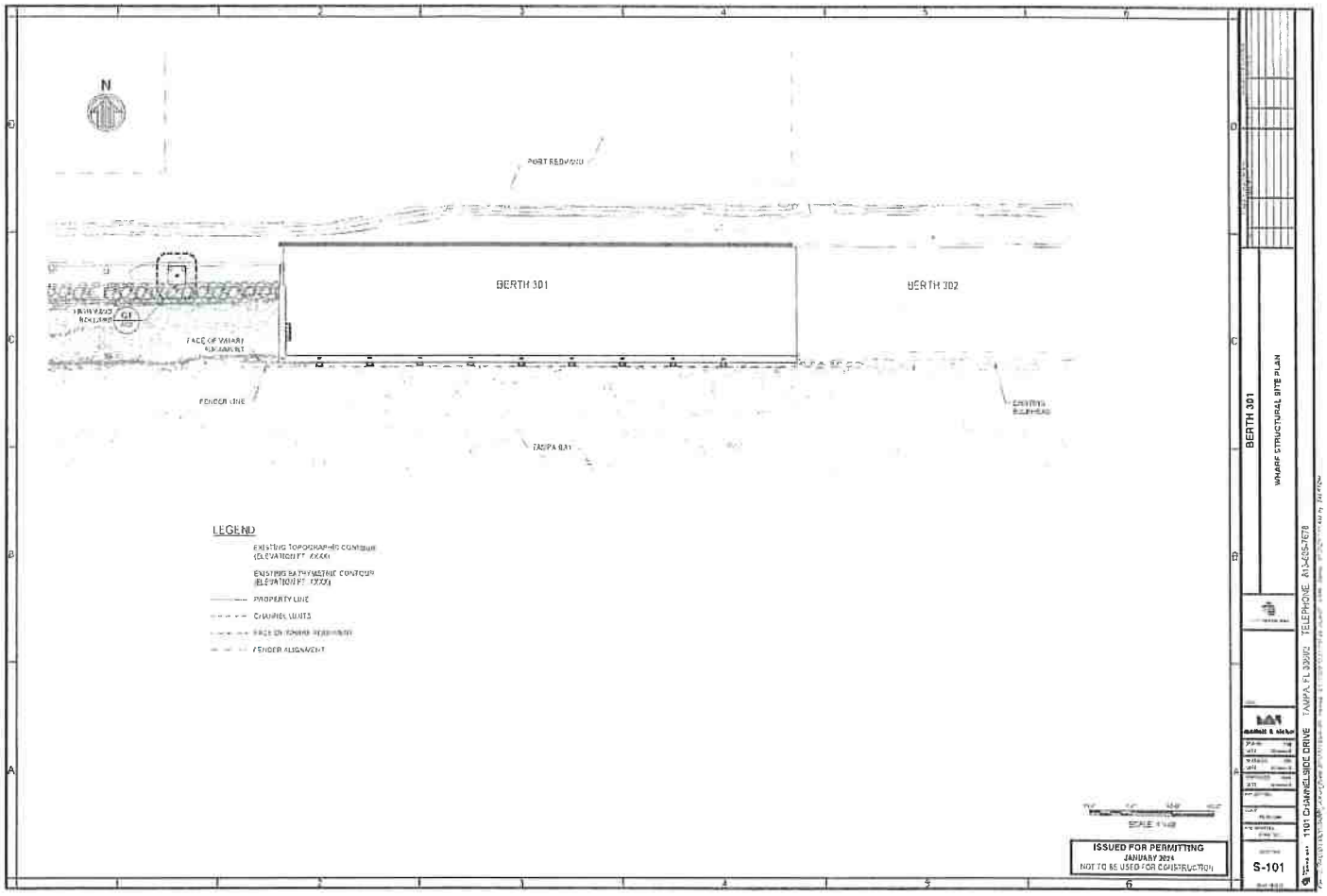
ISSUED FOR PERMITTING
JANUARY 2024
NOT TO BE USED FOR CONSTRUCTION

BERTH 301
STRUCTURAL NOTES
S-001

© Tetra Tech 1401 CHANNELSIDE DRIVE TAMPA, FL 33602 TELEPHONE: 813-905-2678
C:\Projects\...\Structural Notes.dwg Jan 17, 2024 - 11:51:51 AM

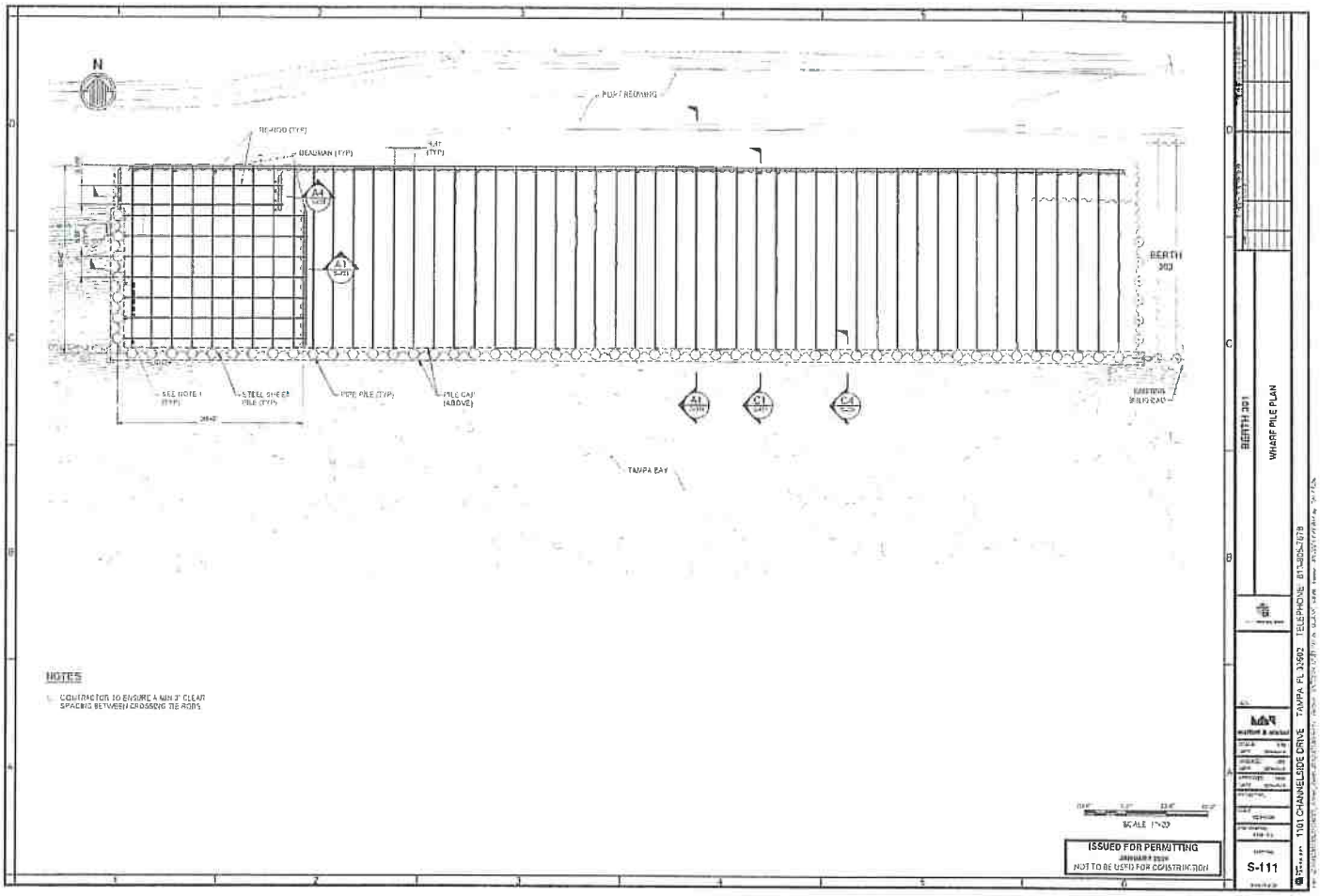
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SAJ-2002-03332 ENCLOSURE B

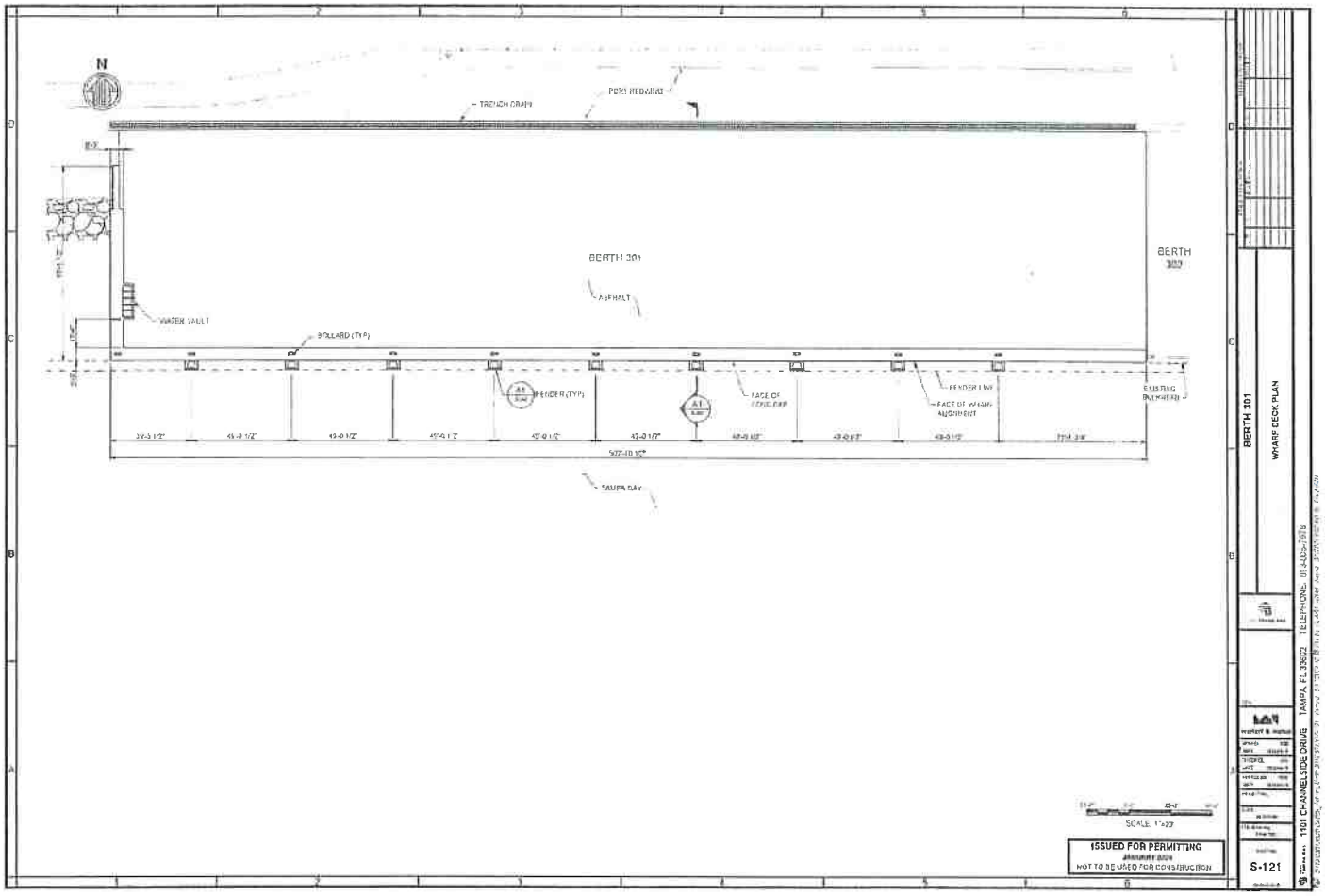


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

SAJ-2002-03332 ENCLOSURE B

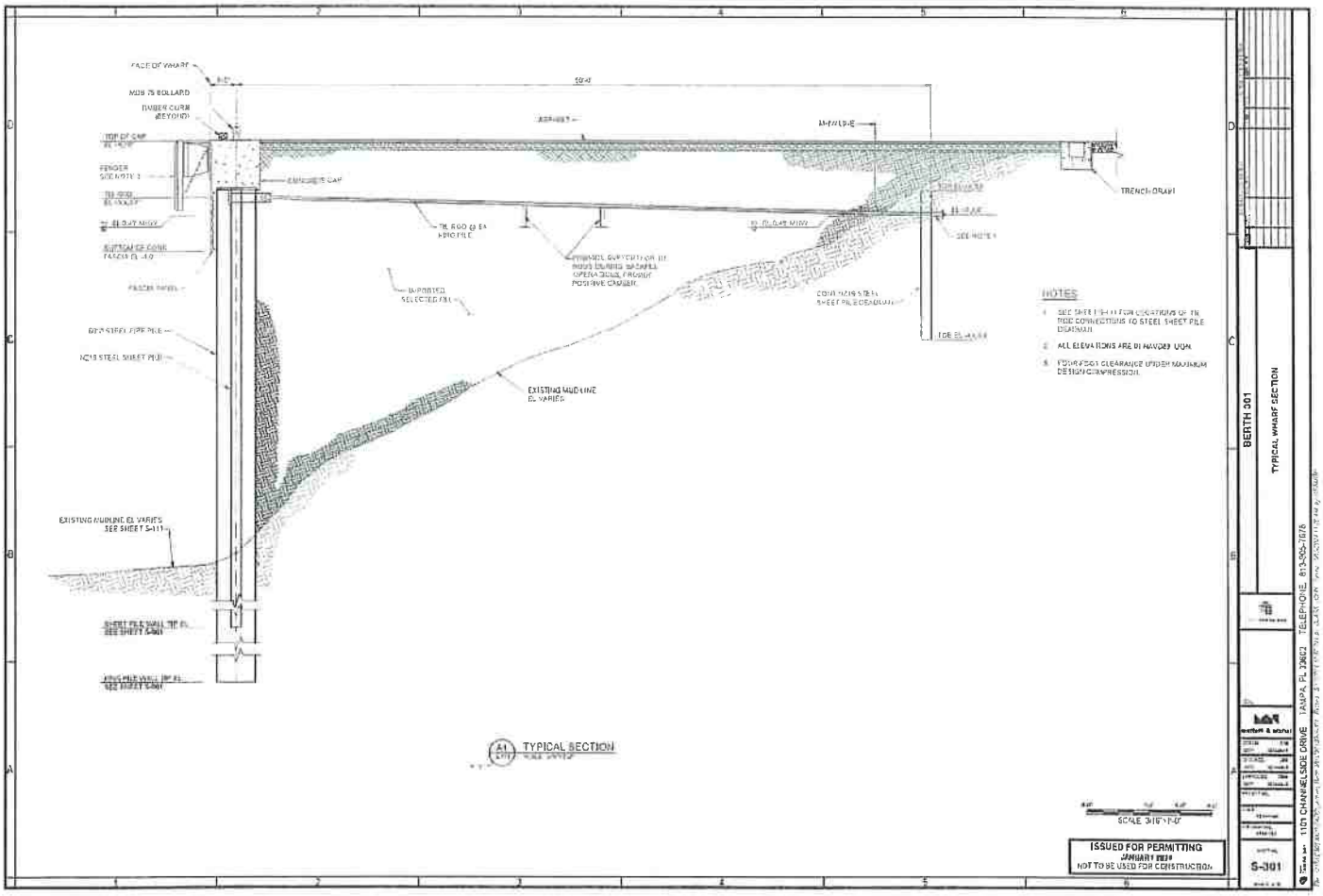


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

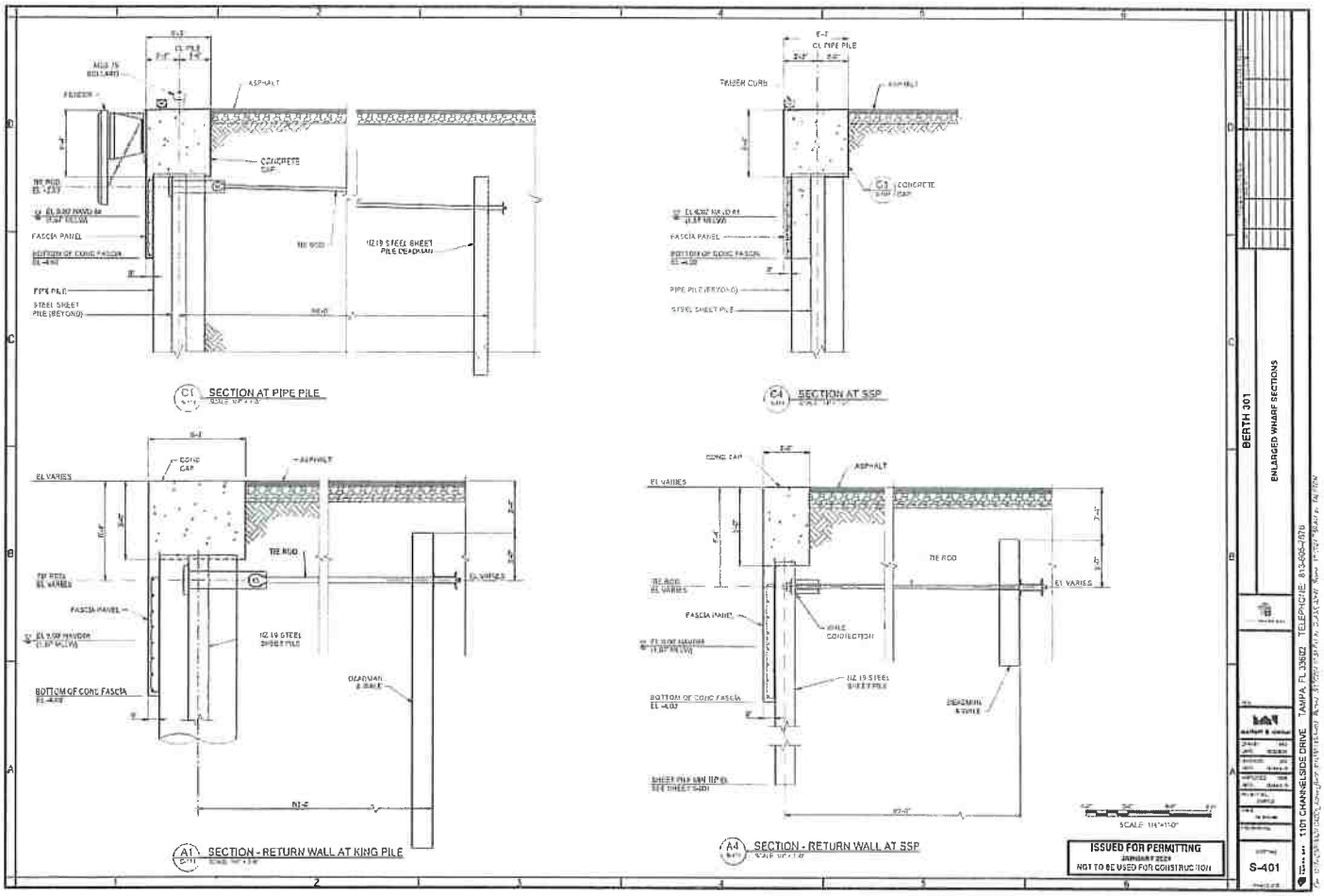


Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

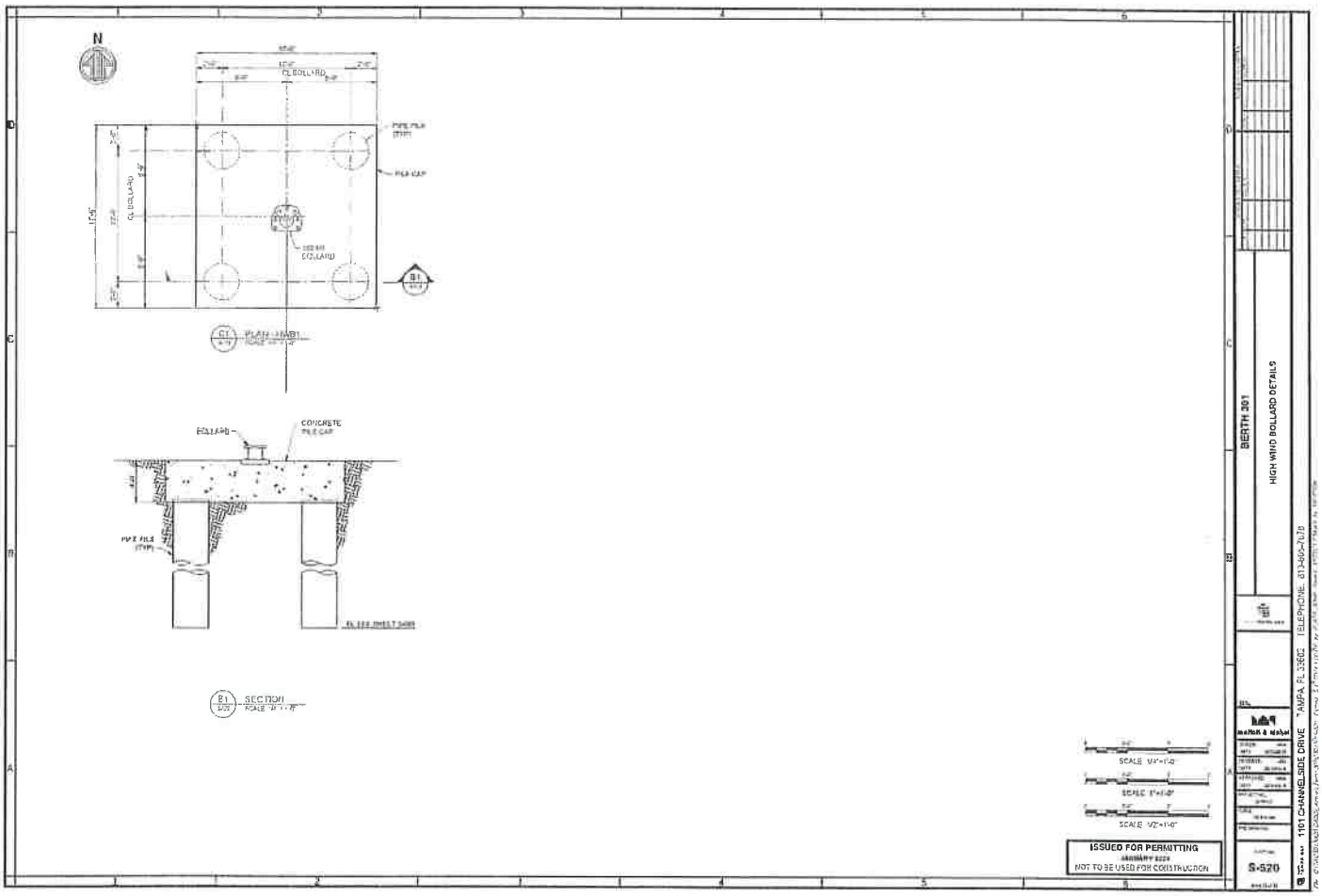
SAJ-2002-03332 ENCLOSURE B



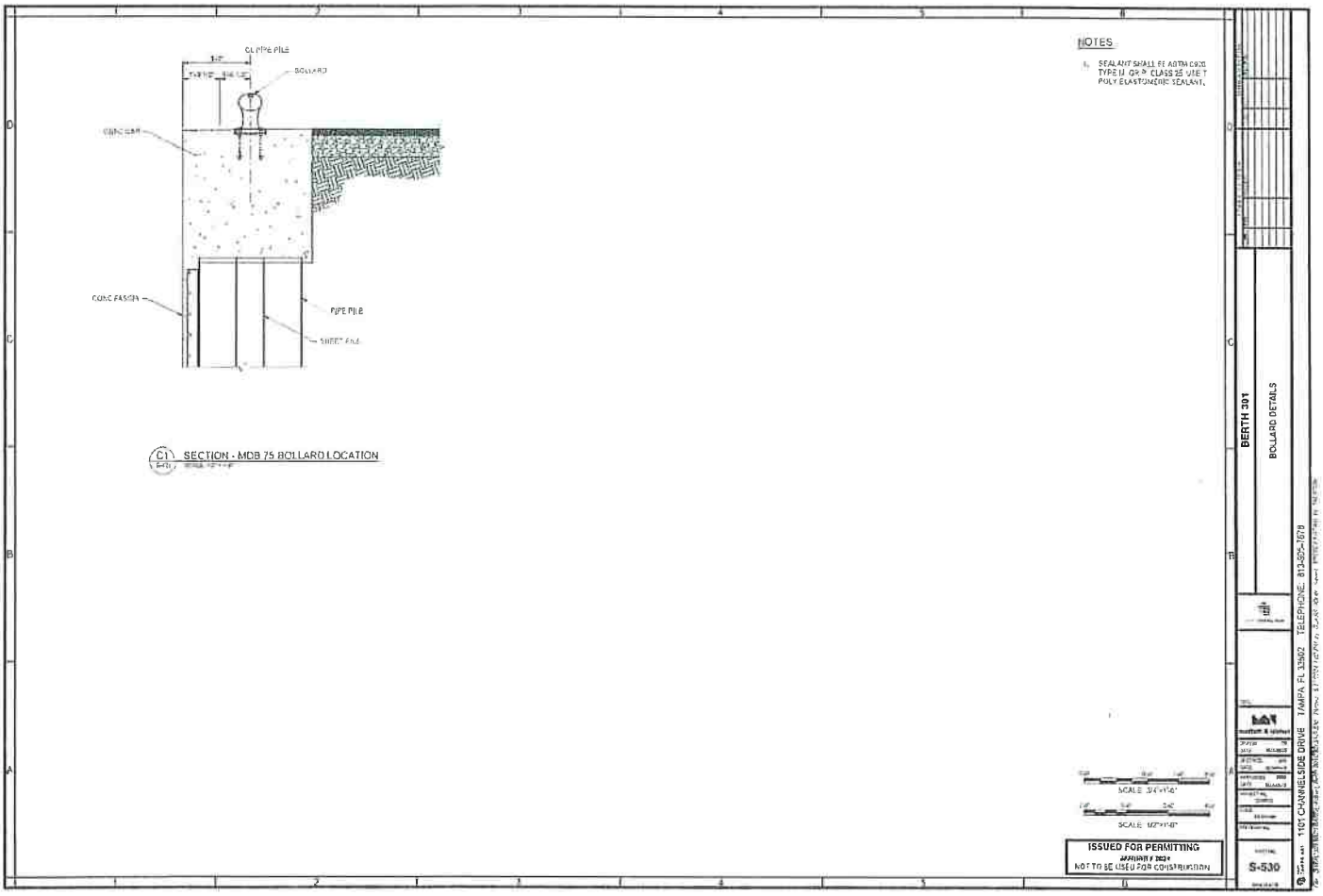
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



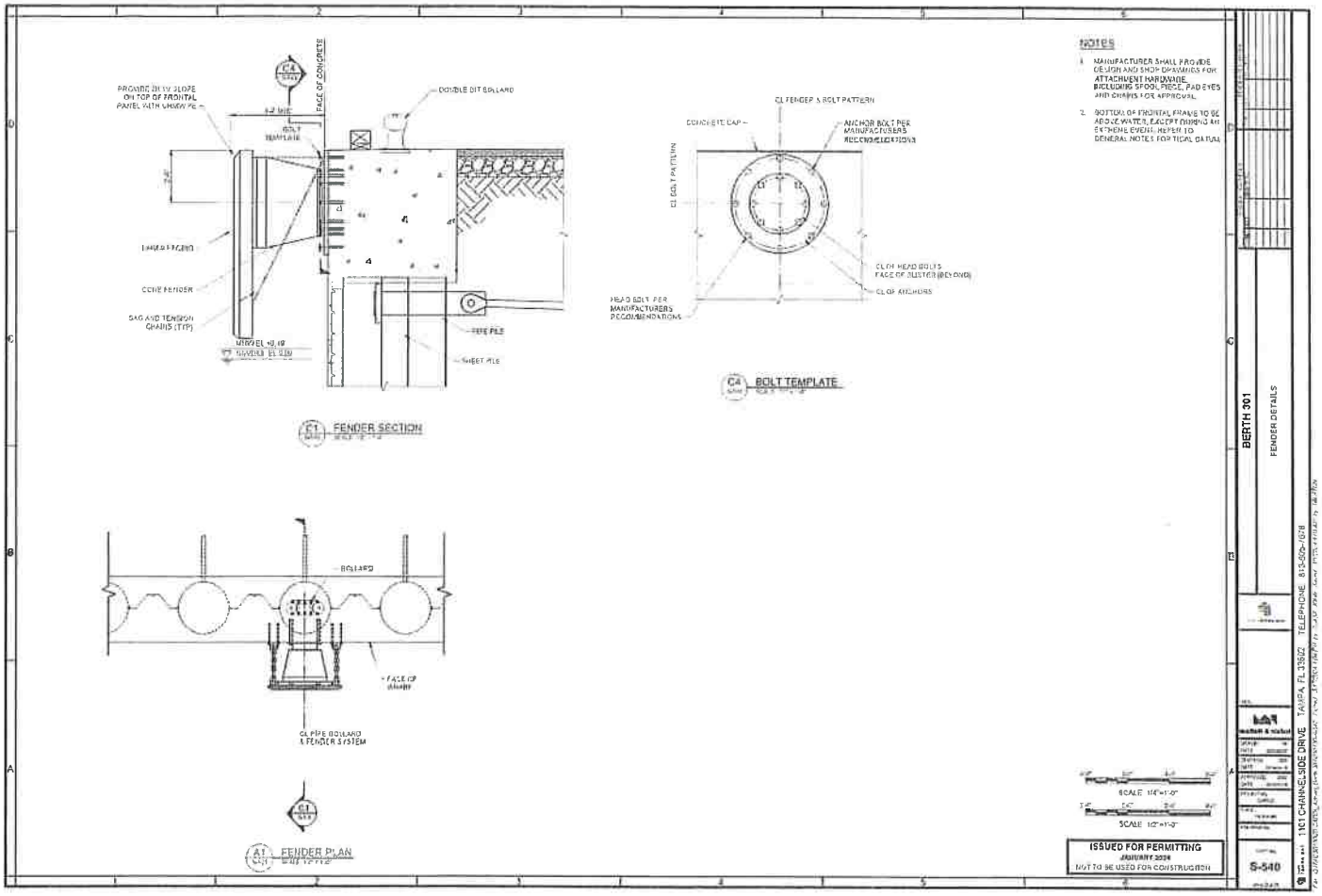
Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39



Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

September 2, 2025

Port Tampa Bay
c/o Patrick Blair
1101 Channelside Drive
Tampa, Florida 33602
PBlair@TampaPort.com

Dear Patrick Blair:

Enclosed is the Environmental Resource Permit, DEP Project No. 29-0199767-002-EI, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you and for any affected third party are described in the text of the permit along with conditions that must be met when authorized activities are undertaken.

You, as the applicant, are responsible for all aspects of permit compliance. You should therefore review this permit document carefully to ensure compliance with the general conditions and specific conditions contained herein.

Please be aware of permit General Condition number 4, which states, "At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice"."

If you have any questions about this document, please contact me at Stefaney Pover or (813) 470-5775. Thank you for your participation in the permit process and in managing the natural resources of the State of Florida.

Sincerely,

Stefaney Pover

Stefaney Pover
Engineering Specialist III
Permitting and Waste Cleanup Program

cc: Stefaney Pover, Southwest District, Stefaney.Pover@FloridaDEP.gov
Emily Wargo, Southwest District, Emily.Wargo@FloridaDEP.gov
ERP Permitting, Southwest District, sw_erp@floridadep.gov
U.S. Army Corps of Engineers, tampareg@usace.army.mil
Jackie Julien, Port Tampa Bay, jjulien@tampaport.com
FWC, fwcconservationplanningservices@myfwc.com
FWC, Imperiled Species Management Section, imperiledspecies@myfwc.com
Greg Garis, Office of Resilience and Coastal Protection, Gregory.garis@floridadep.gov
Department of Economic Opportunity, DCPpermits@deo.myflorida.com
Elie G. Araj, Applied Science Consulting Inc., earaj@appliedfl.com
Elie G. Araj, Applied Science Consulting Inc., permitting@appliedfl.com
John D. Glass, Moffatt & Nichol, jglass@moffattnichol.com

Enclosure: Environmental Resource Permit with Attachments (117 pages)

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Permittee/Authorized Entity:
Port Tampa Bay
c/o Patrick Blair
1101 Channelside Drive
Tampa, Florida 33602

Berth 301

Authorized Agent:
Applied Science Consulting, Inc.
c/o Elie G. Araj
1000 North Ashley Drive, Suite 500
Tampa, Florida 33602

Individual Environmental Resource Permit

State-owned Submerged Lands Authorization – Not Applicable

U.S. Army Corps of Engineers Authorization – Separate Corps Authorization Required

Hillsborough County
Permit No.: 29-0199767-026-EI

Permit Issuance Date: 9/2/2025
Permit Construction Phase Expiration Date: 9/1/2030

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Environmental Resource Permit

Permittee: Port Tampa Bay % Patrick Blair
Permit No: 29-0199767-026-EI

PROJECT LOCATION

The activities authorized by this permit are located south of 6011 Diana Toledo Almeida Road Gibsonton, Florida 33534, in Section 4, Township 31 South, Range 19 East in Hillsborough County, at latitude 27.80829987, longitude -82.40593184.

PROJECT DESCRIPTION

The permittee is authorized to fill approximately 38,870 cubic feet waterward of the mean-high water line within Sims Branch, a Class III Florida Waterbody. Those activities include the extension of Berth 302 and the creation of Berth 301which is located 500 feet to the west with a width of 100 feet for a total of 40,170 square feet of fill. The project also includes the installation of one (1) bollard and a stormwater management system. Authorized activities are depicted on the attached exhibits.

The project will result in 0.0014 acres of unavoidable impacts from the removal of three (3) White Mangroves (*Laguncularia racemosa*), FNAI Mangrove Swamp (G5/S4). These impacts were determined to be minimal; therefore, no mitigation is required by the Department.

Stormwater Management System Design
The proposed conditions of the Stormwater Management System consist of collection and treatment storage designed to address the increase in proposed site runoff associated with the construction of 1.56 acres of impervious surfaces. The proposed SWMS includes the construction of an underground exfiltration system consisting of the proposed exfiltration system will utilize a 36-inch perforated pipe with a 5-foot wide 5.85-foot-deep aggregate layer. There will be manholes located at the ends of the exfiltration system. These manholes will include a sump to reduce the number of debris entering the system. The underground exfiltration system provide(s) treatment and attenuation for the 1.56 acres of contributing drainage area.

Water Quality
Water quality treatment is required for the first 0.5 inches of runoff for dry retention systems serving development with drainage areas of less than 100 acres. The site is provided treatment from the underground exfiltration system for Basin Berth 301. The underground exfiltration system recover(s) the required treatment volume within 72 hours. The required and provided treatment volumes for each of the basins are depicted in the table below.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Basin	Area (Ac)	Required Volume (Ac-ft)	Provided Volume (Ac-ft)
Berth 301	1.56	0.07	0.07

Water Quantity

The site discharges to Sim Branch, a tidally influenced waterbody. Therefore, the stormwater management system is not required to provide attenuation for the 25-year/24-hour design storm event. Variable tailwater stages were considered to determine if they have a significant influence on the SWMS design. Based on the mean high-water elevation at 0.49 feet and the tailwater design of the system, the amount of flow that will discharge from the property is not expected to cause significant impacts to the system's performance.

Floodplain

The entirety of the project site is located within Flood Zone VE and Coastal AE, according to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM), Panel Number 12057C0491J and 12057C0492J Flood Zone VE and Coastal AE are an area of 1% chance flood hazard, located within the 100-year floodplain but outside of the Regulatory Floodway. Therefore, encroachment into the floodplain that causes adverse impacts is not anticipated.

AUTHORIZATIONS

Berth 301

Environmental Resource Permit

The Department has determined that the activity qualifies for an Environmental Resource Permit. Therefore, the Environmental Resource Permit is hereby granted, pursuant to Part IV of Chapter 373, Florida Statutes (F.S.), and Chapter 62-330, Florida Administrative Code (F.A.C.).

Sovereignty Submerged Lands Authorization

As staff to the Board of Trustees of the Internal Improvement Trust Fund (Board of Trustees), the Department has determined the activity is not on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, F.S., or Rule 18-21, F.A.C.

Federal Authorization

Your proposed activity as outlined on your application and attached drawings **does not qualify** for Federal authorization pursuant to the State Programmatic General Permit and a **SEPARATE permit** or authorization **shall be required** from the Corps. You must apply separately to the Corps using the Application for Department of the Army Permit (ENG 4345) or alternative as allowed by Corps regulations. More information on Corps permitting may be found online in the Jacksonville District Regulatory Division Sourcebook:

(https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/).

Authority for review - an agreement with the USACOE entitled "Coordination Agreement Between the U. S. Army Corps of Engineers (Jacksonville District) and the Florida Department of Environmental Protection (or Duly Authorized Designee), State Programmatic General Permit", Section 10 of the Rivers and Harbor Act of 1899, and Section 404 of the Clean Water Act.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Coastal Zone Management Consistent
Issuance of this authorization also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Zone Management Act.

Water Quality Certification Granted
This permit also constitutes a *grant* of water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. Section 1341. Pursuant to Rule 62-330.062, F.A.C. issuance of the individual or conceptual approval permit under this chapter shall constitute certification of compliance with water quality standards.

Other Authorizations
You are advised that authorizations or permits for this activity may be required by other federal, state, regional, or local entities including but not limited to local governments or municipalities. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

The activity described may be conducted only in accordance with the terms, conditions and attachments contained in this document. Issuance and granting of the permit and authorizations herein do not infer, nor guarantee, nor imply that future permits, authorizations, or modifications will be granted by the Department.

PERMIT CONDITIONS

The activities described must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to beginning the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings herein. If you are using a contractor, the contractor also should read and understand these conditions and drawings prior to beginning any activity. Failure to comply with these conditions, including any mitigation requirements, shall be grounds for the Department to revoke the permit and authorization and to take appropriate enforcement action. Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit authorization, as described.

SPECIFIC CONDITIONS

1. Submittals required herein (e.g., progress reports, as-built drawings, etc.) shall include the permittee's name and permit number 29-0199767-026-EI and shall be directed by e-mail to SW_ERP_CAP@floridadep.gov with a subject line of "Compliance: permit number 29-0199767-026-EI", or by mail to:

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Department of Environmental Protection
Southwest District
ATTN: ERP Compliance Assurance
13051 North Telecom Parkway, Suite 101
Temple Terrace, FL 33637-0926

2. The structure/work authorized by this permit shall not be placed/conducted on any property, other than that owned by the permittee, without the prior written approval of that property owner.

3. In the event the permittee files for bankruptcy prior to completion of work permitted and required by this permit, the permittee must notify the Department within 30 days of filing. The notification shall identify the bankruptcy court and case number and shall include a copy of the bankruptcy petition.

SPECIFIC CONDITIONS – PRIOR TO ANY CONSTRUCTION

4. Best management practices for erosion control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards (>29 NTU's above background, pursuant to Rule 62-302, F.A.C. Methods may include, but are not limited to the use of staked hay bales, staked filter cloth, sodding, seeding, staged construction and the installation of turbidity screens around the immediate project site. Erosion control methods shall be implemented as depicted in Sheets G-150 and C-102 of the attached permit drawings.

SPECIFIC CONDITIONS – CONSTRUCTION ACTIVITIES

5. Wetland areas or waterbodies that are outside the specific limits of construction authorized by this permit, must be protected from erosion, sedimentation, siltation, scouring, excess turbidity, and/or dewatering. There shall be no discharge in violation of the water quality standards in Chapter 62-302, F.A.C. Turbidity/erosion controls shall be installed prior to clearing, excavation or placement of fill material, shall be maintained until construction is completed, disturbed areas are stabilized, and turbidity levels have fallen to less than 29 NTU's above background. The turbidity and erosion control devices shall be removed within 14 days once these conditions are met.

6. Areas of exposed soils shall be isolated from wetlands or other surface waters to prevent erosion and deposition of these soils into wetlands or other surface waters during construction and operation of permitted activities.

7. Grass seed, or sod shall be installed and maintained on exposed slopes and disturbed soil areas within 48 hours of completing final grade, and at other times as necessary, to prevent erosion, sedimentation or turbid discharges into waters of the state and/or adjacent wetlands. A vegetative cover that stabilizes and prevents erosion of the fill material shall be

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

established within 60 days of sodding or seeding. Turbidity barriers/erosion control devices shall be removed upon establishment of a substantial vegetative cover.

8. The permittee shall be responsible for ensuring erosion control devices/procedures are inspected and maintained daily during all phases of construction authorized by this permit until areas disturbed during construction are sufficiently stabilized to prevent erosion, siltation, and turbid discharges.

9. Staked filter cloth shall be positioned at the edge of the permitted fill slopes adjacent to wetlands to prevent turbid run-off and erosion.

10. There shall be no discharge of construction debris into the waters of the state as conditioned by this permit enforceable under the Florida Litter Law 403.413, F.S., by all law enforcement officers.

11. This permit does not authorize the removal of any vegetation within the jurisdictional area. No dredging, filling, or other construction activity, including the removal of tree stumps and/or vegetative root masses, shall be conducted within the wetlands other than that performed within the specifically authorized work corridor.

12. Outside the specific limits of construction authorized by this permit, any disturbance of or damage to wetlands shall be corrected by restoring pre-construction elevations as to maintain natural hydrology, drainage patterns, and planting vegetation of the same species, size, and density that exist in adjacent undisturbed wetland areas.

13. The project shall comply with applicable State Water Quality Standards, namely:
    a. Surface Waters, Minimum Criteria, General Criteria – Rule 62-302.500, F.A.C.
    b. Class II Waters – Shellfish Propagation or Harvesting – Rule 62-302.400, F.A.C.
    c. Class III Waters – Recreation, Propagation and Maintenance of a Healthy, Well-Balanced Population of Fish and Wildlife. – Rule 62-302.400, F.A.C.

14. A floating turbidity apron/curtain shall be installed around the waterward boundary of the construction area prior to construction and shall remain in place until construction is complete and turbidity levels within the work area have returned to background levels.

15. The following measures shall be taken immediately by the permittee when turbidity levels within waters of the State surrounding the project site exceed 29 NTUs above background:

    a. Immediately cease work contributing to the water quality violation.

    b. Stabilize exposed soils contributing to the violation. Modify the work procedures responsible for the violation, install additional turbidity containment devices and repair non-functioning turbidity containment devices.

    c. Notify the Department within 24 hours of the time the violation is first detected.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

16. This permit does not authorize the installation of water, sewer, cable or utility lines within wetlands or waterbodies.

17. Unauthorized impacts to wetlands, shoreline, or littoral zones as a result of the authorized construction shall be reported to the Department within 24 hours.

18. Storage or stockpiling of tools and materials (i.e., lumber, pilings, debris) within wetlands or other surface waters is prohibited.

SPECIFIC MANATEE CONDITIONS

19. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with, and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

20. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels shall follow routes of deep water whenever possible.

21. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers shall not impede manatee movement.

22. All on-site project personnel are responsible for observing water-related activities for the presence of manatees. All in-water operations, including vessels, shall be shutdown if a manatee comes within 50 feet of the operation. Activities shall not resume until every manatee has moved beyond the 50-foot radius of the project operation, or until 30 minutes has elapsed wherein a manatee has not reappeared within 50 feet of the operation. Animals shall not be herded away or harassed into leaving.

23. Any collision with or injury to a manatee shall be reported immediately to the FWC Hotline at 1-888-404-FWCC. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida.

24. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Awareness signs that have already been approved for this use by the Florida Fish and Wildlife Conservation Commission (FWC) must be used. One sign measuring at least 3 ft. by 4 ft. which reads *Caution: Manatee Area* must be posted. A second sign measuring at least 8 1/2" by 11" explaining the requirements for "Idle Speed/No Wake" and the shutdown of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. Please see the Florida Fish and Wildlife

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Conservation Commission website for information on how to obtain appropriate signs: http://www.myfwc.com/docs/WildlifeHabitats/Manatee_EducationalSign.pdf

25. While performing backfilling between the bulkheads, it is important to ensure that manatees or marine turtles do not become entrapped during installation of the steel combination-wall bulkhead or gain access after the steel combination-wall bulkhead has been installed and before the filling work begins. Observation surveys for manatees shall be performed for three (3) consecutive days prior to and three (3) consecutive days after the installation of the steel combination-wall bulkhead and before filling work begins to ensure manatees are not enclosed in the area that will be filled. Survey protocol must meet the conditions outlined below:

    a. the surveys shall be conducted either by ground/aerial observers with an observer that has previous experience observing manatees and meets the criteria outlined in the Observer Guidelines for Protected Species Monitoring Programs in Florida State Waters manual;
    b. surveys shall be conducted twice a day for 3 consecutive days prior to the installation of the steel combination-wall bulkhead;
    c. surveys shall be conducted twice a day for 3 consecutive days after the installation of the steel combination-wall bulkhead and prior to the start of filling;
    d. any manatees or marine turtles sighted shall initiate opening the area to allow for manatee or marine turtle access out of the system with the animal monitored as necessary until it has left the new berth area, and shall not be herded, poked, prodded or harassed into leaving;
    e. if after 3 consecutive days no manatees are observed, filling work may proceed;
    f. and in the event a manatee or marine turtle becomes stranded or entrapped in the isolated channel the FWC shall be immediately notified by calling the FWC Wildlife Alert Hotline at 1-888-404-3922 to initiate rescue or recovery. An email describing the events shall be sent to ImperiledSpecies@MyFWC.com within 24 hours.

26. The Permittee shall ensure that an observer(s) shall watch for protected marine species (manatees, marine turtles, dolphins, etc.) during all in-water work to ensure compliance with the stop work zone required in this authorization. Observers shall perform no other duties that may interfere with their ability to observe protected marine species. All observers shall have prior on-the-job observation experience (including previous sightings of manatees) during previous dredging work where the activities were similar in nature to this project and meet the criteria outlined in the Observer Guidelines for Protected Species Monitoring Programs in Florida State Waters manual. The Permittee shall ensure that all observers are given a copy of the permit for the project, including all special conditions, prior to construction commencement.

27. For all pile-driving activity related to this project:
    a. At least one dedicated observer shall be present during pile driving activities and shall perform no other duties that may interfere with their ability to observe for protected marine species. Observer(s) must have prior on-the-job experience observing manatees during in-water work where the activities where similar in

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

nature to this project, and meet the criteria outlined in the Observer Guidelines for Protected Species Monitoring Programs in Florida State Waters manual. Observer(s) shall have the authority to cease project operations 1) upon sighting a manatee within 50 feet of the pile driving or vessel activity; and 2) if detection of manatees is not possible due to weather or other conditions.

b. All pile driving activities shall be limited to daylight hours to maximize visibility for protected species observers. Monitoring shall occur for 30 minutes prior to, during, and for 30 minutes after pile driving ends.

c. During pile driving, the project shall utilize a ramp-up measure. At the start of pile driving activity, pile driving hammers shall initially be operated at low levels, then gradually increase to minimum necessary power required for pile installation.

d. If the activities appear to harass or injure a protected marine species, then work shall cease immediately and not resume until after consultation with the Florida Fish and Wildlife Conservation Commission (ImperiledSpecies@MyFWC.com or 850-922-4330). Any additional conservation measures deemed necessary by FWC must be implemented to minimize the risks to protected species.

28. To reduce the risk of a vessel crushing a manatee, the permittee shall install wharf fenders with appropriate materials to provide sufficient standoff space of at least three feet under maximum designed compression. Fenders or buoys shall provide a minimum standoff space of at least three feet under maximum designed compression between two vessels that are moored together.

29. To reduce the risk of entrapment and drowning of manatees, manatee exclusion devices (such as grating) shall be installed and maintained over any existing or proposed pipes or culverts greater than 8 inches, but smaller than 8 feet in diameter that are submerged or partially submerged and reasonably accessible to manatees. If horizontal or vertical bars are used, no more than 8-inch gaps on center shall be allowed. Grates shall be in place at the accessible end(s) during all phases of the construction process and as a final design element to restrict manatee access. Additional information can be found in FWC's guidance document on Grates and Other Manatee Exclusion Devices for Culverts and Pipes.

SPECIFIC CONDITIONS FOR LISTED SPECIES

30. This permit does not authorize the permittee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or permittee associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, Florida Fish and Wildlife Conservation Commission (FWC) staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to ConservationPlanningServices@MyFWC.com.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

31. If new information (e.g. listing of new species, new critical habitat, etc.) shows that the magnitude of impacts to federally listed species has the potential for adverse effects, the U.S. Fish and Wildlife Service (USFWS) will notify the Department. The Department will initiate coordination with the permittee and with the USFWS to determine what adverse impacts are likely and if additional minimization measures, reporting, or monitoring are required in order to be consistent with the Endangered Species Act, as deemed necessary by USFWS.

32. The Permittee shall report any injured, sick, or dead federally or state listed animal(s) discovered onsite to the Florida Fish and Wildlife Conservation Commission Wildlife Alert number at 888-404-FWCC (3922).

SPECIFIC CONDITIONS – CONSTRUCTION COMPLETION

The permittee shall comply with the following conditions prior to the transfer to operation phase of the facility. All documentation required below shall be included with the permittee's request to transfer the project to the operation phase [Form No. 62-330.310(2), F.A.C.].

33. The permittee shall submit one set of signed, dated and sealed as-built drawings to the Department via email at SW_ERP_CAP@dep.state.fl.us for review and approval within 30 days of completion of construction. (Please contact the Department for files that are too large to email for alternative means of submitting electronically.) The as-built drawings shall be based on the Department permitted construction drawings and any pertinent specific conditions, which should be revised to reflect changes made during construction. Both the original design and constructed elevations must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. Surveyed dimensions and elevations required shall be verified and signed, dated and sealed by a Florida registered professional. *As-builts shall be submitted to the Department regardless of whether or not deviations are present. In addition, the permittee shall submit the "As-Built Certification and Request for Conversion to Operation Phase" form (Ch. 62-330.310(1), F.A.C.); as required in General Condition #6.*

The following information shall be verified on the as-built drawings from the engineering drawings signed and sealed by Lary B. Flood, P.E., License No. 85560, on June 20, 2025:

Plan View/ Cross Section Name	Drawing Number
Civil Site Plan	C-101
Civil Sections	C-301
Drainage & Civil Details	C-501

The following information shall be verified on the as-built drawings from the engineering drawings signed and sealed by Anna Karina Thomsen, P.E., License No. 85415, on June 19, 2025:

Plan View/ Cross Section Name	Drawing Number

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

General Arrangement Plan	G-101
Project Siting Plan	G-150
Sequence of Bulkhead Construction	G-301
Wharf Pile Plan	S-111
Wharf Deck Plan	S-112
Typical Wharf Section	S-301
Trench Drain Details	S-513

34. Once project construction has been deemed complete, including the re-stabilization of all side slopes, embankments, and other disturbed areas, and before the transfer to the Operation and Maintenance phase, all obsolete erosion control materials shall be removed.

SPECIFIC CONDITIONS – OPERATION AND MAINTENANCE ACTIVITIES

35. Fenders or buoys shall be installed, used and maintained for the life of the facility to reduce the risk of a vessel crushing a manatee during docking and/or mooring as required under Specific Condition No. 28.

36. The Operation and Maintenance Entity shall be Port Tampa Bay % Patrick Blair.

37. All structures authorized by this permit shall remain in operable condition and shall not be allowed to deteriorate or otherwise contribute to a water quality violation for the life of the facility. All stormwater structures identified by this permit shall be maintained in proper working order for the life of the facility.

38. The maintenance of the SWMS shall be in accordance with the attached "Operation & Maintenance Plan". It is the responsibility of the permittee to ensure that that the surface water management system is functioning as designed.

39. When a project enters the operation and maintenance phase, the permittee must include as-built plans in the O&M Plan upon completion of each phase of construction.

40. The operation and maintenance entity shall maintain a copy of the operation and maintenance plan (O&M Plan).

41. The operation and maintenance entity shall periodically review the O&M Plan, and at least at the time of inspections required by this permit, to identify any new or additional required operation and maintenance activities.

42. The underground exfiltration system is intended to become dry within 72 hours after a rainfall event. A system that is regularly wet shall not be considered in compliance with this permit and possible modifications to the system may be required.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

43. The SWMS conveyance pipes shall be maintained free of blockage ponds must be kept free of obstructions or blockage by sediment. Any scouring or erosion at these locations must be repaired.

44. All ditches and swales from the point at which they receive runoff from the project area and through their entire downstream length shall be well maintained and stabilized to ensure that they are not subject to erosion.

45. The permitted SWMS shall only be used for the purpose of controlling surface water runoff from the site and shall not be used to dispose of or store any solid/liquid waste or products generated or used during operation or construction of the facility.

SPECIFIC CONDITIONS – MONITORING/REPORTING REQUIREMENTS

46. The permittee shall be responsible for keeping records documenting that relevant permit conditions are met. This documentation shall include, at a minimum, the date of each inspection, the name and qualifications of the inspector, any maintenance actions taken, and determination by the inspector as to whether the system is operating as intended. Inspection documentation must be readily available and shall be provided at the Department's request.

47. The permittee shall notify the Department of any sinkhole development in the SWMS within 24 hours after discovery and must submit a detailed sinkhole evaluation and repair plan for approval by the Department within 30 days of discovery.

48. Within 30 days of any failure of a stormwater management system or deviation from the permit, a report shall be submitted electronically or in writing to the Agency using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the remedial actions taken to resolve the failure or deviation.

49. The operation and maintenance entity shall provide for the inspection of the permitted project after conversion of the permit to the operation and maintenance phase. For systems utilizing an underground exfiltration system, the inspections shall be performed, at minimum, 2 years after operation is authorized and every 2 years thereafter.

50. Inspections conducted on or after June 28, 2025, required by this permit shall be performed by a qualified inspector as described in Applicant's Handbook Volume I.

51. The operation and maintenance entity shall submit an inspection report to the agency describing and certifying the results of the inspection within 30 days of the date of the inspection. The report shall include:

    a. Form 62-330.311(3) "Inspection Checklists;"
    b. Any updated operation and maintenance cost estimates;
    c. A summary of updates to the operation and maintenance plan;

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

d. Any monitoring reports as may be required by a specific permit condition.

52. The operation and maintenance entity shall provide written notice to the department within 30 days of the change in ownership or control.

GENERAL CONDITIONS FOR INDIVIDUAL PERMITS

The following general conditions are binding on all individual permits issued under this chapter, except where the conditions are not applicable to the authorized activity, or where the conditions must be modified to accommodate project-specific conditions.

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.

2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.

3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007)*, and the *Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008)*, which are both incorporated by reference in subparagraph 62-330.050(9)(b)5., F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.

4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), "Construction Commencement Notice," (October 1, 2013), (http://www.flrules.org/Gateway/reference.asp?No=Ref-02505), incorporated by reference herein, indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C., and shall be submitted electronically or by mail to the Agency. However, for activities involving more than one acre of construction that also require a NPDES stormwater construction general permit, submittal of the Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities, DEP Form 62-621.300(4)(b), shall also serve as notice of commencement of construction under this chapter and, in such a case, submittal of Form 62-330.350(1) is not required.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.

6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:

   a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex – "Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit" [Form 62-330.310(3)]; or

   b. For all other activities – "As-Built Certification and Request for Conversion to Operational Phase" [Form 62-330.310(1)].

   c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.

7. If the final operation and maintenance entity is a third party:

   a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as- built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.

   b. Within 30 days of submittal of the as- built certification, the permittee shall submit "Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity" [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.

8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:

   a. Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;

   b. Convey to the permittee or create in the permittee any interest in real property;

   c. Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

d. Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.

10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.

11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.

12. The permittee shall notify the Agency in writing:

a. Immediately if any previously submitted information is discovered to be inaccurate; and

b. Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.

13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

14. If prehistoric or historic artifacts, such as pottery or ceramics, projectile points, stone tools, dugout canoes, metal implements, historic building materials, or any other physical remains that could be associated with Native American, early European, or American settlement are encountered at any time within the project site area, the permitted project shall cease all activities involving subsurface disturbance in the vicinity of the discovery. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance Review Section (DHR), at (850)245-6333, as well as the appropriate permitting agency office. Project activities shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, F.S. For project activities subject to prior consultation with the DHR and as an alternative to the above requirements, the permittee may follow procedures for unanticipated discoveries as set forth within a cultural resources assessment survey determined complete and sufficient by DHR and included as a specific permit condition herein.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.

16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.

17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.

18. A Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with subsection 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

19. In addition to those general conditions in subsection (1), above, the Agency shall impose any additional project-specific special conditions necessary to assure the permitted activities will not be harmful to the water resources, as set forth in rules 62-330.301 and 62-330.302, F.A.C., Volumes I and II, as applicable, and the rules incorporated by reference in this chapter.

NOTICE OF RIGHTS

This action is final and effective on the date filed with the Clerk of the Department unless a petition for an administrative hearing is timely filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. On the filing of a timely and sufficient petition, this action will not be final and effective until further order of the Department. Because the administrative hearing process is designed to formulate final agency action, the hearing process may result in a modification of the agency action or even denial of the application.

Petition for Administrative Hearing

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. Pursuant to Rule 28-106.20 and 28-106.301, F.A.C., a petition for an administrative hearing must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, any e-mail address, any facsimile number, and telephone number of the petitioner, if the petitioner is not represented by an attorney or a qualified representative; the name, address, and telephone number of the petitioner's representative, if any, which shall be

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

The petition must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us. Also, a copy of the petition shall be mailed to the applicant at the address indicated above at the time of filing.

Time Period for Filing a Petition

In accordance with Rule 62-110.106(3), F.A.C., petitions for an administrative hearing by the applicant and persons entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first. You cannot justifiably rely on the finality of this decision unless notice of this decision and the right of substantially affected persons to challenge this decision has been duly published or otherwise provided to all persons substantially affected by the decision. While you are not required to publish notice of this action, you may elect to do so pursuant Rule 62-110.106(10)(a).

The failure to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C. If you do not publish notice of this action, this waiver will not apply to persons who have not received written notice of this action.

Extension of Time

Under Rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, or via electronic correspondence at Agency_Clerk@dep.state.fl.us, before the deadline for filing a

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

petition for an administrative hearing. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

Mediation
Mediation is not available in this proceeding.

FLAWAC Review
The applicant, or any party within the meaning of Section 373.114(1)(a) or 373.4275, F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1) or 373.4275, F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when this order is filed with the Clerk of the Department.

Judicial Review
Once this decision becomes final, any party to this action has the right to seek judicial review pursuant to Section 120.68, F.S., by filing a Notice of Appeal pursuant to Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department in the Office of General Counsel (Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days from the date this action is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Shannon Herbon
Permitting Program Administrator
Permitting and Waste Cleanup Programs
Southwest District

Attachments;
Project Drawings and Design Specs., 59 pages
Operation and Maintenance Plan, 30 pages
Construction Commencement Notice/Form 62-330.350(1), 1 page
As-Built Certification and Request for Conversion to Operation Phase/Form 62-330.310(1), 3 pages
Operation and Maintenance Inspection Certification/Form 62-330.311(1), 2 pages
Request for Transfer of Permit to the Perpetual Operation Entity/Form 62-330.310(2), 1 page
Request to Transfer Permit/Form 62-330.340(1), 2 pages

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Copies furnished to:
Stefaney Pover, Southwest District, Stefaney.Pover@FloridaDEP.gov
Emily Wargo, Southwest District, Emily.Wargo@FloridaDEP.gov
ERP Permitting, Southwest District, sw_erp@floridadep.gov
U.S. Army Corps of Engineers, tampareg@usace.army.mil
Jackie Julien, Port Tampa Bay, jjulien@tampaport.com
FWC, fwcconservationplanningservices@myfwc.com
FWC, Imperiled Species Management Section, imperiledspecies@myfwc.com
Greg Garis, Office of Resilience and Coastal Protection, Gregory.garis@floridadep.gov
Department of Economic Opportunity, DCPpermits@deo.myflorida.com
Elie G. Araj, Applied Science Consulting Inc., earaj@appliedfl.com
Elie G. Araj, Applied Science Consulting Inc., permitting@appliedfl.com
John D. Glass, Moffatt & Nichol, jglass@moffattnichol.com

CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, were mailed before the close of business on **September 2, 2025,** to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk — September 2, 2025
Date

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

COMMENCEMENT NOTIFICATION

*Within ten (10) days of initiating the authorized work, submit this form to via electronic mail to saj-rd-enforcement@usace.army.mil (preferred, not to exceed 15 MB) **or** by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.*

1. **Department of the Army Permit Number**: SAJ-2002-03332 (SP-RSS)

2. **Permittee Information**:

   Name: _____

   Email: _____

   Address: _____

   _____

   Phone: _____

3. **Construction Start Date**: _____

4. **Contact to Schedule Inspection**:

   Name: _____

   Email: _____

   Phone: _____

_____
Signature of Permittee

_____
Printed Name of Permittee

_____
Date

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

Submit this form and one set of as-built engineering drawings to the U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019. For electronic mail saj-rd-enforcement@usace.army.mil *(not to exceed 15 MB).*

1. Department of the Army Permit Number: SAJ-2002-03332 (SP-RSS)

2. Permittee Information:

Name: _____

Address: _____

_____

3. Project Site Identification (physical location/address):

_____

_____

_____

4. As-Built Certification: I hereby certify that the authorized work, including any mitigation required by Special Conditions to the permit, has been accomplished in accordance with the Department of the Army permit with any deviations noted below. This determination is based upon on-site observation, scheduled, and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

_____ _____

Signature of Engineer Name (*Please type*)

_____ _____

(FL, PR, or VI) Reg. Number Company Name

_____ _____ _____

City State ZIP

(Affix Seal)

_____ _____

Date Telephone Number

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Date Work Started:_____ Date Work Completed:_____

Identify any deviations from the approved permit drawings and/or special conditions (attach additional pages if necessary):

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Florida Ecological Services Field Office

April 10, 2025

Jaime Marte
U.S. Department of Transportation
Maritime Administration
1200 New Jersey Avenue, SE
Washington, DC 20590

Service Project Code: 2023-0070745
Project: RAISE Grant for Port Redwing New Berth 301
County: Hillsborough

Dear Ms. Marte:

The U.S. Fish and Wildlife Service (Service) has reviewed the U.S. Department of Transportation (DOT) Maritime Administration (MARAD) request to initiate consultation dated June 13, 2023, and additional information provided through March 20, 2025, regarding the biological assessment being developed for the funding MARAD is providing to Port Tampa Bay (Applicant) to construct a new Berth 301 at Port Redwing (Project).

This letter is submitted in accordance with section 7 of the Endangered Species Act of 1973, as amended (Act) (87 Stat. 884; 16 U.S.C. 1531 *et seq.*) and the Marine Mammal Protection Act of 1972, as amended (MMPA) (16 U.S.C. 136*1 et seq.*).

PROJECT DESCRIPTION

The Applicant proposes to add a new Berth 301, in between existing Berths 300 and 302, by constructing a 1,025-foot dock, including a 500-foot Pipe-Z bulkhead and breasting dolphin. The berth would include a catwalk, upland mooring point, navigational lights, dock lighting, and electrical services. No dredging is proposed. All construction activity would occur during daylight hours. Port Redwing provides deep-water berths to serve non-containerized cargo ships. The new berth is expected to increase use of the port by approximately 124 vessel trips per year. The Project is located at Port Redwing, in Gibsonton, Hillsborough County (central location at approximately 27.808248, -82.406493).

THREATENED AND ENDANGERED SPECIES

West Indian (Florida) manatee (*Trichechus manatus latirostris*; manatee)

Based on *The Corps of Engineers, Jacksonville District, and the State of Florida Effect Determination Key for the Manatee in Florida, April 2013* (DKey), MARAD determined the Project may affect the manatee, largely because the Project is in a manatee Warm Water Aggregation Area (WWAA). (Although not stated in the MARAD letter, a "may affect" determination would also result because the Project would provide new access for vessels 100 feet in length or larger.) MARAD stated the Project would comply

7915 BAYMEADOWS WAY, #200
JACKSONVILLE, FL 32256
(352) 448-9151

1601 BALBOA AVENUE
PANAMA CITY, FL 32405
(352) 448-9151

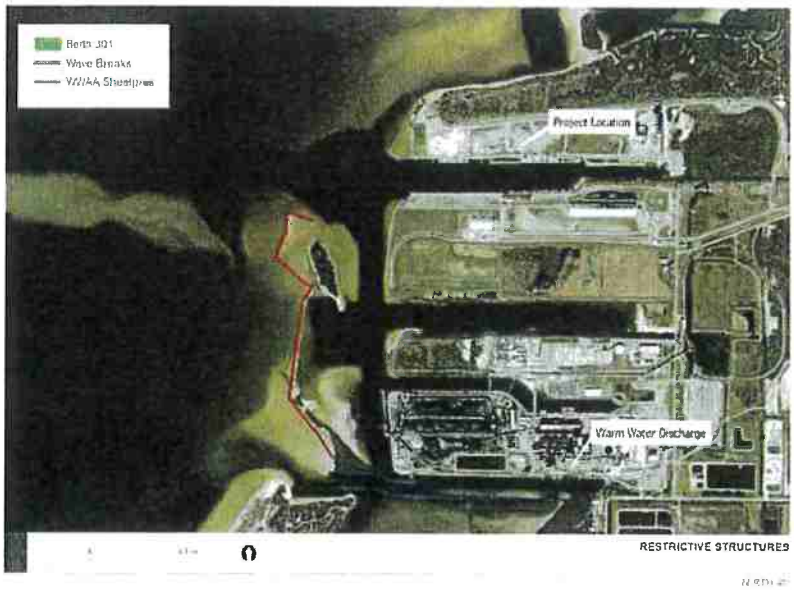
777 37TH ST SUITE D101
VERO BEACH, FL 32960
(352) 448-9151

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

with the Standard Manatee Conditions for In-Water Work and adhere to additional conditions contained in the 2019 addendum to the DKey. Fenders providing at least four feet of standoff at maximum compression would be required when multiple vessels are moored together or to a bulkhead.

Manatee use of the area in and around the Project site is well documented by aerial survey, mortality, and satellite telemetry data. The Project site is included in the WWAA because of manatee use associated with the warm water discharged at the Tampa Electric Big Bend power plant located about one mile south of the Project. Manatees can be found in this general area year-round, but use is highest during the winter. More than 800 manatees have been documented using the power plant discharge canal on a single day during the winter months. Manatees periodically leave the discharge canal to feed, often traveling to nearby seagrass beds located north and south of the power plant. One of the closest seagrass areas is just north of the Project. Individual manatees may travel to and from the power plant on a daily or more frequent basis, with longer continuous stays at the power plant when temperatures are colder.

As manatees travel to and from the power plant, they are prevented from accessing the discharge canal directly from the north by a series of sheet piles and breakwaters, as shown in the figure below provided by the Applicant. As a result, manatee use in the immediate vicinity of the Project and in the Port Redwing Canal is typically relatively low. The highest likelihood of encountering manatees occurs when manatees cross or travel within the Big Bend Channel that connects Port Redwing to the main federal channel in Tampa Bay.



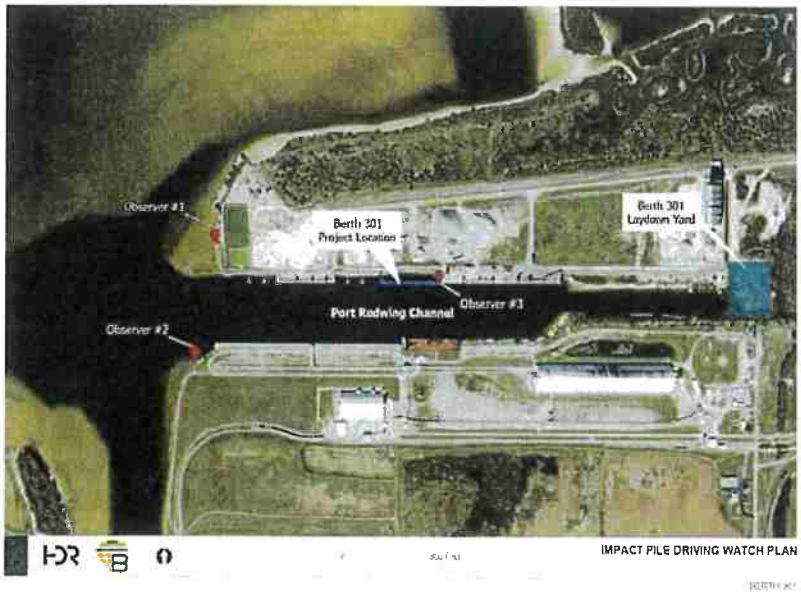
To reduce the likelihood of adverse effects to manatees, in-water work for projects located in a WWAA is often prohibited during the winter months when manatees are concentrated near the warm water. For this Project, however, an in-water work window was not needed given the manatee use information discussed above, that almost all construction activity will occur about halfway up the Port Redwing Canal, and a manatee watch plan will be used (discussed below).

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Movement of construction vessels to and from the Project will be at Idle Speed within the WWAA. After initial mobilization to the site, very little vessel movement will be needed except by the materials barge between the east end of the canal and the construction location.

Installation of piles and sheet piles will be performed by a combination of vibratory and impact hammer methods. No more than five piles will be installed by impact hammer per day (daylight hours only), and cushion blocks or a bubble curtain will be employed to reduce noise levels. For impact hammer installation, a soft start procedure will be used, consisting of an initial set of strikes from the impact hammer at reduced energy, followed by a 30-second waiting period, then two subsequent strikes. During pile driving, a ramp-up measure will also be used. At the start of pile driving activity, pile driving hammers will initially be operated at low levels, then gradually increase to minimum necessary power required for pile installation. Pile driving activities are expected to require 26 non-consecutive days throughout construction.

The Service worked with the applicant to develop a watch plan, and the Service approved a final plan on March 20, 2025 (attached). During impact pile driving of metal piles or sheet piles, the watch plan requires at least three qualified observers, with one being a boat-based observer that will perform a sweep of the entire Redwing Canal at Idle Speed prior to any pile installation beginning. The approximate locations of the three observers are shown in the figure below provided by the Applicant. No impact pile driving will occur if manatees are in the Port Redwing Canal.



Post-construction, ships accessing the new berth and the existing berths will continue to use the operational procedures that are used currently. Large ships accessing the berths require the assistance of tugboats (typically two) that are operated by third parties not under the control of the Applicant. Most of the tugboats being used now utilize a drive system that includes a propeller guard or shroud that reduces the ability of the propellers to directly cut a manatee if a collision occurs. All ship movements within the Big Bend Channel and Port Redwing Canal will be at Idle Speed.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Given the nature and scope of the Project and the issues and conservation measures discussed above, the Service concludes the likelihood of take of one or more manatees as a result of the Project is insignificant or discountable. The Service therefore concludes a "may affect, not likely to adversely affect" (MANLAA) determination for manatees is appropriate. Because no incidental take of manatees is anticipated, no authorization under the MMPA is required.

Although this does not represent a biological opinion as described in section 7 of the Act, it does fulfill the requirements of the Act and no further action is required. Reinitiation of consultation is required if modifications are made to the project that may adversely affect listed species or designated critical habitat; if additional information involving potential effects to listed species becomes available; if a new species is listed; if the applicant fails to comply with the permit conditions; or if take of listed species occurs.

Thank you for your cooperation in the effort to protect fish and wildlife resources under the purview of the Service. If you have any questions regarding this consultation, please contact Scott Calleson at scott_calleson@fws.gov.

Sincerely,



Christopher Putnam
Supervisor, Division of Environmental Review
Florida Ecological Services Field Office

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Manatee Watch Plan

Berth 301 Construction

March 20, 2025

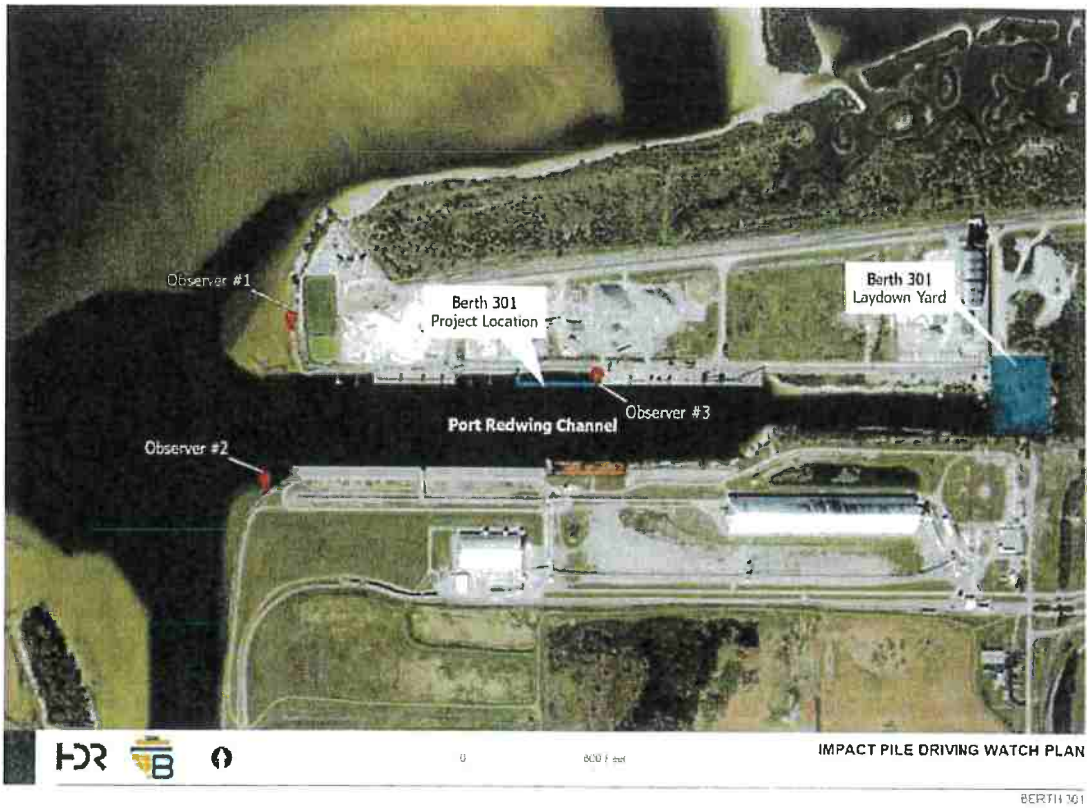
This proposed project is intended to construct a new berth, Berth 301, which would connect Berths 300 and 302 and would be comprised of a 500-foot Pipe-Z bulkhead and breasting dolphin. It is anticipated that pile driving activities will account for twenty-six non-consecutive calendar days throughout construction.

Impact Pile Driving Watch Plan

During impact pile driving activities, a total of three (3) qualified manatee observers will be stationed to observe for manatees approaching or within the Port Redwing channel (Figure 1). Observers 1 and 2 will be stationed at the north and south shorelines at the entrance to the Port Redwing channel (approximately 1,800 feet from the site). Observer 2 will be stationed in a boat and will perform an east to west sweep of the entire Port Redwing channel at idle speed to determine if any manatees are present in the channel immediately prior to beginning the 30 minute watch.

- No impact pile driving may be conducted if manatees are in the Port Redwing channel.

Figure 1 Observer Locations During Impact Pile Driving



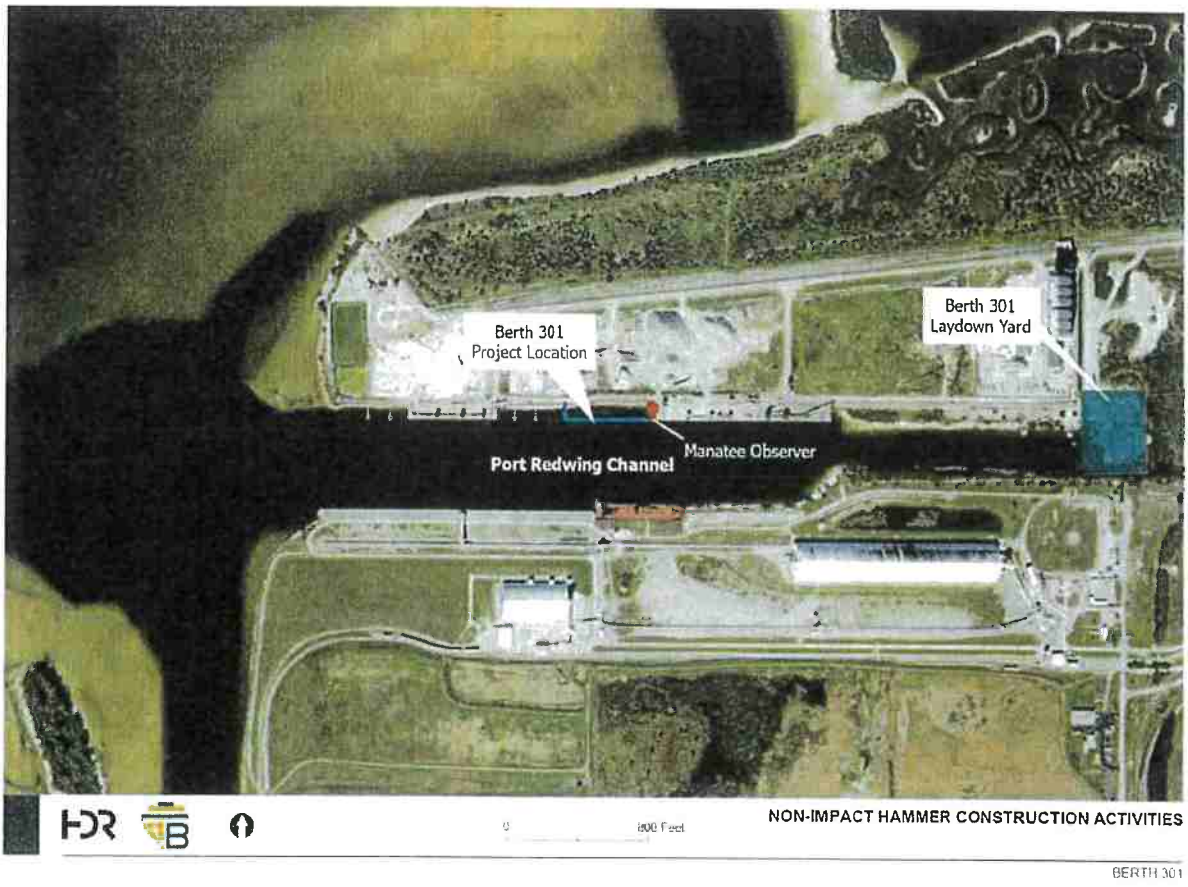
hdrinc.com 4830 W Kennedy Blvd, Suite 400, Tampa, FL 33609-2548 (813) 282-2300

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Observer 3 will be placed immediately adjacent to the active work site to observe manatees approaching the site from the west and east ends or within the Port Redwing Channel. Observer 3's location will be chosen based on where the best vantage point for observing manatee movements within the Port Redwing channel based on tidal state, surface visibility, and water depth

Non-Impact Hammer Construction Activities are to comply with the Standard Manatee Conditions for In-water Work, during all in-water work, a single manatee observer will be placed at the Berth 301 project location immediately adjacent to the active work site to enforce a 50-foot monitoring and shutdown zone in the Redwing Channel (Figure 2).

Figure 1 Observer Locations During Non-Impact Hammer Construction Activities



The Manatee watch must begin no less than 30 minutes before any in-water work begins and must continue during all impact pile driving activities and for 30 minutes after in-water work ends from all positions.

Observers will be notified that resting manatees can stay submerged for 15 minutes or longer so it will be necessary to maintain observation positions long enough to determine if manatees

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

could be present, but resting below the surface. Also, when traveling, manatees can cover hundreds of feet in between coming to the surface to breath. This will also be important to remember when observing in the Port Redwing Canal.

Observers will be equipped with polarized sunglasses and binoculars or other similar instruments to aid in observation. While all personnel involved with in-water work are responsible for looking out for protected species, designated observers will not perform any other duties while observing. Observers will work in shifts, if necessary, in order to reduce fatigue and increase the likelihood that marine species will be sighted. All observers will have direct radio contact with the construction crew and will have the ability to stop construction immediately upon sighting of a manatee.

Additional notes:

1) Contractor will be required to comply with the Standard Manatee Conditions for In-water Work.

2) Impact Pile Driving Conditions: For impact pile driving, a soft start procedure must be used. The contractor shall provide an initial set of strikes from the impact hammer at reduced energy, followed by a 30-second waiting period, then two subsequent strikes. During pile driving, the contractor will also utilize a ramp-up measure. At the start of pile driving activity, pile driving hammers would initially be operated at low levels, then gradually increase to minimum necessary power required for pile installation.

3) Quantity of Piles: No more than five piles per day will be installed using an impact hammer per the 2019 addendum to the 2013 Manatee Key.

4) Turbidity Barrier: A turbidity barrier will be utilized during in-water construction activities. The turbidity barrier will be constructed of materials and installed in a manner in which manatees cannot become entangled. At the time of installation, the contractor will confirm no manatees are entrapped within the barrier. During construction, the turbidity barrier will be inspected daily, prior to the start of work, to confirm no manatees are present within the turbidity barrier.

5) To minimize underwater noise associated with the impact pile driving activities, bubble curtains (conforming to the design specifications laid out in JAXBO, appendix B, section 15.3.3) will be utilized.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK
2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.

b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.

c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.

d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shutdown if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.

e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com

f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

CAUTION: MANATEE HABITAT

All project vessels

IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

1-888-404-FWCC(3922)

cell *FWC or #FWC

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

PROTECTED SPECIES CONSTRUCTION CONDITIONS, NOAA FISHERIES SOUTHEAST REGIONAL OFFICE

The action agency and any permittee shall comply with the following construction conditions for protected species under the jurisdiction of NOAA Fisheries Southeast Regional Office (SERO) Protected Resources Division (PRD):[1]

Protected Species Sightings–The action agency and any permittee shall ensure that all personnel associated with the project are instructed about the potential presence of species protected under the Endangered Species Act (ESA) and the Marine Mammal Protection Act (MMPA). All on-site project personnel are responsible for observing water-related activities for the presence of protected species. All personnel shall be advised that there are civil and criminal penalties for harming, harassing, or killing listed species and all marine mammals. To determine which protected species and critical habitat may be found in the transit area, please review the relevant marine mammal and ESA-listed species at Find A Species (https://www.fisheries.noaa.gov/find-species) and the consultation documents that have been completed for the project.

1. **Equipment**–Turbidity curtains, if used, shall be made of material in which protected species cannot become entangled and be regularly monitored to avoid protected species entrapment. All turbidity curtains and other in-water equipment shall be properly secured with materials that reduce the risk of protected species entanglement and entrapment.

    a. In-water lines (rope, chain, and cable, including the lines to secure turbidity curtains) shall be stiff, taut, and non-looping. Examples of such lines are heavy metal chains or heavy cables that do not readily loop and tangle. Flexible in-water lines, such as nylon rope or any lines that could loop or tangle, shall be enclosed in a plastic or rubber sleeve/tube to add rigidity and prevent the line from looping and tangling. In all instances, no excess line shall be allowed in the water. All anchoring shall be in areas free from hardbottom and seagrass.

    b. Turbidity curtains and other in-water equipment shall be placed in a manner that does not entrap protected species within the project area and minimizes the extent and duration of their exclusion from the project area.

    c. Turbidity barriers shall be positioned in a way that minimizes the extent and duration of protected species exclusion from important habitat (e.g. critical habitat, hardbottom, seagrass) in the project area.

2. **Operations**–For construction work that is generally stationary (e.g., barge-mounted equipment dredging a berth or section of river, or shore-based equipment extending into the water):

    a. Operations of moving equipment shall cease if a protected species is observed within 150 feet of operations.

[1] Manatees are managed under the jurisdiction of the U.S. Fish and Wildlife Service.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

b. Activities shall not resume until the protected species has departed the project area of its own volition (e.g., species was observed departing or 20 minutes have passed since the animal was last seen in the area).

3. **Vessels**–For projects requiring vessels, the action agency, and any permittee shall ensure conditions in the Vessel Strike Avoidance Measures are implemented as part of the project/permit issuance (https://www.fisheries.noaa.gov/southeast/consultations/regulations-policies-and-guidance).

4. **Consultation Reporting Requirements**–Any interaction with a protected species shall be reported immediately to NOAA Fisheries SERO PRD and the local authorized stranding/rescue organization.

   To report to NOAA Fisheries SERO PRD, send an email to takereport.nmfsser@noaa.gov. Please include the species involved, the circumstances of the interaction, the fate and disposition of the species involved, photos (if available), and contact information for the person who can provide additional details if requested. Please include the project's Environmental Consultation Organizer (ECO) number and project title in the subject line of email reports.

   To report the interaction to the local stranding/rescue organization, please see the following website for the most up to date information for reporting sick, injured, or dead protected species:

   Reporting Violations–To report an ESA or MMPA violation, call the NOAA Fisheries Enforcement Hotline. This hotline is available 24 hours a day, 7 days week for anyone in the United States.

   NOAA Fisheries Enforcement Hotline (800) 853-1964

5. **Additional Conditions**–Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the project consultation and must also be complied with.

For additional information, please contact NOAA Fisheries SERO PRD at:
NOAA Fisheries Service
Southeast Regional Office
263 13th Avenue South
St. Petersburg, Florida 33701
Tel: (727) 824-5312
Visit us on the web at Protected Marine Life in the Southeast
(https://www.fisheries.noaa.gov/region/southeast#protected-marine-life)

Revised: May 2021

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

VESSEL STRIKE AVOIDANCE MEASURES, NOAA FISHERIES SOUTHEAST REGIONAL OFFICE

Background

Vessel strikes can injure or kill species protected under the Endangered Species Act (ESA) and the Marine Mammal Protection Act (MMPA). NOAA Fisheries Southeast Regional Office (SERO) Protected Resources Division (PRD) recommends implementing the following identification and avoidance measures to reduce the risk of vessel strikes and disturbance from vessels to protected species under our jurisdiction.[1]

Protected Species Sightings

All vessel operators and crews should be informed about the potential presence of species protected under the ESA and the MMPA and any critical habitat in a vessel transit area. All vessels should have personnel onboard responsible for observing for the presence of protected species. All personnel should be advised that there are civil and criminal penalties for harming, harassing, or killing listed species and all marine mammals. To determine which protected species and critical habitat may be found in the transit area, please review the relevant marine mammal and ESA-listed species at Find A Species (https://www.fisheries.noaa.gov/find-species) and any ESA Section 7 consultation documents if applicable.

Vessel Strike Avoidance

The following measures should be taken when they are consistent with safe navigation to avoid causing injury or death of a protected species:

1. Operate at the minimum safe speed when transiting and maintain a vigilant watch for protected species to avoid striking them. Even with a vigilant watch, most marine protected species are extremely difficult to see from a boat or ship, and you cannot rely on detecting them visually and then taking evasive action. The most effective way to avoid vessel strikes is to travel at a slow, safe speed. Whenever possible, assign a designated individual to observe for protected species and limit vessel operation to only daylight hours.

2. Follow deep-water routes (e.g., marked channels) whenever possible.

3. Operate at "Idle/No Wake" speeds in the following circumstances:
    a. while in any project construction areas
    b. while in water depths where the draft of the vessel provides less than four feet of clearance from the bottom, or
    c. in all depths after a protected species has been observed in and has recently departed the area.

[1] Manatees are managed under the jurisdiction of the U.S. Fish and Wildlife Service.

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

4. When a protected species is sighted, attempt to maintain a distance of 150 feet or greater between the animal and the vessel. Reduce speed and avoid abrupt changes in direction until the animal(s) has left the area.

5. When dolphins are bow- or wake-riding, maintain course and speed as long as it is safe to do so or until the animal(s) leave the vicinity of the vessel.

6. If a whale is sighted in the vessel's path or within 300 feet from the vessel, reduce speed and shift the engine to neutral. Do not engage the engines until the animals are clear of the area. *Please see below for additional requirements for North Atlantic right whales.*

7. If a whale is sighted farther than 300 feet from the vessel, maintain a distance of 300 feet or greater between the whale and the vessel and reduce speed to 10 knots or less. *Please see below for additional requirements for North Atlantic right whales.*

Injured or Dead Protected Species Reporting
Vessel crews should report sightings of any injured or dead protected species immediately regardless of whether the injury or death is caused by your vessel. Please see How to Report a Stranded or Injured Marine Animal (https://www.fisheries.noaa.gov/report) for the most up to date information for reporting injured or dead protected species.

If the injury or death is caused by your vessel, also report the interaction to NOAA Fisheries SERO PRD at takereport.nmfsser@noaa.gov. Please include the species involved, the circumstances of the interaction, the fate and disposition of the animal involved, photos (if available), and contact information for the person who can provide additional details if requested. Please include the project's Environmental Consultation Organizer (ECO) number and project title in the subject line of email reports if a consultation has been completed.

Reporting Violations
To report any suspected ESA or MMPA violation, call the NOAA Fisheries Enforcement Hotline. This hotline is available 24 hours a day, 7 days week for anyone in the United States.

NOAA Fisheries Enforcement Hotline: (800) 853-1964

Additional Transit and Reporting Requirements for North Atlantic Right Whales

1. Federal regulation prohibits approaching or remaining within 500 yards of a North Atlantic right whale (50 CFR 224.103 (c)). All whales sighted within North Atlantic right whale critical habitat should be assumed to be right whales. Please be aware and follow restrictions for all Seasonal Management Areas along the U.S. east coast. These areas have vessel speed restrictions to reduce vessel strikes risks to migrating or feeding whales. More information can be found at Reducing Vessel Strikes to North Atlantic Right Whales (https://www.fisheries.noaa.gov/national/endangered-species-conservation/reducing-vessel-strikes-north-atlantic-right-whales).

2. Ships greater than 300 gross tons entering the WHALESOUTH reporting area are required to report to a shore-based station. For more information on reporting procedures consult 33 CFR Part 169, the Coast Pilot, or at Reducing Vessel Strikes to North Atlantic

Docusign Envelope ID: AA77D9F2-0BC8-481D-A051-2169E186FF39

Right Whales (https://www.fisheries.noaa.gov/national/endangered-species-conservation/reducing-vessel-strikes-north-atlantic-right-whales).

3. From November through April, vessels approaching/departing Florida ports of Jacksonville and Fernandina Beach as well as Brunswick Harbor, Georgia are STRONGLY RECOMMENDED to use Two-Way Routes displayed on nautical charts. More information on Compliance with the Right Whale Ship Strike Reduction Rule can be found at (https://media.fisheries.noaa.gov/2021-06/compliance_guide_for_right_whale_ship_strike_reduction.pdf)

4. Mariners shall check with various communication media for general information regarding avoiding vessel strikes and specific information regarding North Atlantic right whale sighting locations. These include NOAA weather radio, U.S. Coast Guard Broadcast to Mariners, Local Notice to Mariners, and NAVTEX. Commercial mariners calling on United States ports should view the most recent version of the NOAA/USCG produced training CD entitled "A Prudent Mariner's Guide to Right Whale Protection" (contact the NOAA Fisheries SERO, Protected Resources Division for more information regarding the CD).

5. Injured, dead, or entangled right whales should be immediately reported to the U.S. Coast Guard via VHF Channel 16 and the NOAA Fisheries Southeast Marine Mammal Stranding Hotline at (877) WHALE HELP (877-942-5343).

For additional information, please contact NOAA Fisheries SERO PRD at:
NOAA Fisheries Service
Southeast Regional Office
263 13th Avenue South
St. Petersburg, Florida 33701
Visit us on the web at Protected Marine Life in the Southeast
(https://www.fisheries.noaa.gov/region/southeast#protected-marine-life)

Revised: May 2021

SUBJECT: MODIFICATION OF POLICY ON SITE IMPROVEMENT PERMITS POLICY

BACKGROUND:

Port Tampa Bay's (PTB) Site Improvement Permits policy (SIP Policy) was last revised and approved by PTB's Board of Commissioners on December 18, 2007 and establishes guidelines for tenants and other users of PTB lands to obtain permission before constructing any improvements on PTB lands .

Tenant leases require a Site Improvement Permit from PTB before installing new facilities or modifying any existing facilities on PTB lands. "Site Improvements" include, but are not limited to, new installations, construction, storm drainage, site work, utility work, replacements, repairs, renovations, extensions, additions, modifications, enhancements, enlargements or changes to facilities that are made as betterment to the property or for the benefit of the tenant/non-tenant. Non-tenants proposing to do work on PTB lands are likewise required to obtain a Site Improvement Permit from PTB.

FACTS/COMMENTS:

PTB staff desires to make the following revisions to the current SIP Policy:

1. The current policy requires the applicant to provide PTB with close out documents, including As-Built Drawings. The proposed modification would allow PTB to charge a fee prior to issuance of the SIP permit. The fee would directly compensate a consultant working under the direction of PTB to collect GIS level As- Built Drawings.

2. The current policy includes dated contract information and lists of potential staff reviewers. The proposed modification would allow the "Port Engineer" to update the policy contract information and list of potential reviewers without PTB Board approval.

3. The current policy requires the applicant to provide PTB with 2 sets of paper copies and specifications with the SIP application. The proposed modification would change the required format to digital format for all plans and specifications.

PTB staff advertised a Public Hearing Notice in the Tampa Bay Times on August 31, 2025, posted the Public Hearing Notice on PTB's website and sent the Public Hearing Notice to the PTB maritime community via email. A public hearing for this matter was held on October 1, 2025 and there were no comments.

RECOMMENDATION:

Approve the changes to Port Tampa Bay's Site Improvement Permits Policy set forth in this agenda item, with an effective date of January 1, 2025, subject to review by Port counsel.

Board Meeting
November 18, 2025
Engineering

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

PORT TAMPA BAY
1101 Channelside Drive
Tampa, Florida 33602

Memorandum

To: A. Paul Anderson
President and CEO

CC: Charles Klug
Raul Alfonso

From: Heather Eblin-Crowe

Date: October 10, 2025

Subject: Site Improvement Permit Policy Modification - Public Hearing

This public hearing was held in accordance with procedures specified in Chapter 95-488, Laws of Florida. The subject public hearing was held before me on Wednesday, October 1, 2025 at 11:00 a.m. Attached is the transcription of the hearing along with copies of all exhibits.

Heather Eblin-Crowe Date October 10, 2025
Heather Eblin-Crowe
Hearing Officer

I hereby concur with the Hearing Officer's statement and recommend the President and CEO request approval by the Tampa Port Authority Board of Commissioners to approve the proposed changes to the Site Improvement Policy.

Patrick Blair Date October 10, 2025
Patrick Blair, P.E., S.I.
Vice President of Engineering

Attachments

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

PUBLIC HEARING TRANSCRIPT
October 1, 2025 at 11:00 a.m.
Site Improvement Permit Policy Modification

ATTENDEES

Joel Eastman – Port Tampa Bay

HEARING OFFICER

Heather Eblin-Crowe

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

MRS. CROWE:

Good morning. Today is Wednesday, October 1, 2025 and this public hearing is called to order at 11:00 a.m. This hearing is held under the authority and pursuant to Chapter 95-488 of the Laws of Florida. The purpose of the hearing is to hear comments from the general public and interested parties regarding the following:

PROPOSED CHANGES TO PORT TAMPA BAY SITE IMPROVEMENT POLICY

My name is Heather Crowe and I am employed by the Tampa Port Authority, doing business as Port Tampa Bay, and have been appointed by its Board of Commissioners to serve as a hearing officer at public hearings such as the one we are conducting today. Joining me is Patrick Blair, Vice President of Engineering, who will present the terms of this matter.

MR. BLAIR:

The Tampa Port Authority, requires all port tenants to obtain a Site Improvement Permit from the Port Authority before installing new improvements or modifying any existing improvements on Port Authority property. "Site Improvements" include, but are not limited to, new installations, construction, storm drainage, site work, utility work, replacements, repairs, renovations, extensions, additions, modifications, enhancements, enlargements and/or changes to facilities that are made as an improvement to the property or for the benefit of the tenant/non-tenant. Non-tenants proposing to do work on Port Authority property are also required to obtain a Site Improvement Permit from the Port Authority. The Tampa Port Authority proposes the following changes to the Port's Site Improvement Policy:

1. The current policy requires close out documents to be provided to the Port Authority by the applicant, including as-built drawings. The proposed modification would allow the Port Authority to charge a fee prior to issuance of the permit. The fee would directly compensate a consultant working under the direction of the Authority to collect GIS level as-built drawings.

2. The current policy includes dated contract information and lists of potential staff reviewers. The proposed modification will allow the "Chief Engineer" or "Port Engineer" to update the policy contract information and list of potential reviewers without Board approval.

3. The current policy requires (2) set of paper copies and specifications to be provided to the Authority with the application. The proposed modification will change the required format to digital format for all plans and specifications.

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

At this time, I would like to offer into the record the following exhibits:

Exhibit No. 1 - the Public Hearing Notice published in the Tampa Bay Times on advertising of this Public Hearing.

MRS. CROWE:

The date of advertisement is August 31, 2025.

MR. BLAIR:

Exhibit No. 2 - the Public Hearing Notice Affidavit from the Tampa Bay Times.

Exhibit No. 3- the updated Site Improvement Permit Application

And finally Exhibit No. 4- the updated Site Improvement Permit Policy

These are the only exhibits to be offered into the record.

That is all.

MRS. CROWE:

Thank you, Mr. Blair. The exhibits will be entered into the record as presented.

At this time, we will take comments concerning this issue.

Are there any comments? Hearing none.

A transcript will be made and furnished to the Port Authority Staff. The Staff will make a recommendation to our Board of Commissioners, which will meet on October 21, 2025. The Staff recommendation will be available on October 14, 2025. If there is nothing else to come before this hearing, I declare this hearing closed at 11:04 a.m.

Dated on October 10, 2025.

Heather Eblin-Crowe

Heather Eblin-Crowe
Public Hearing Officer

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

EXHIBIT NO. 1

PUBLIC HEARING NOTICE

PORT TAMPA BAY
NOTICE OF PUBLIC HEARING

Notice is hereby given of a public hearing to be held on October 1, 2025 at 11:00 a.m. before the Tampa Port Authority, d/b/a Port Tampa Bay at its offices located at 1101 Channelside Drive, Tampa, Florida 33602, to hear public comments regarding the following:

SITE IMPROVEMENT PERMIT POLICY MODIFCATION

Additional information is available online at *www.tampaport.com*. All written comments and objections directed toward the foregoing matter should be filed with Port Tampa Bay, Real Estate Department, at 1101 Channelside Drive, Tampa, Florida 33602 by 12:00 noon on September 30, 2025. Oral comments and objections may be presented at the hearing.

In accordance with the federal Americans with Disabilities Act and Section 286.26, Florida Statutes, persons with disabilities requiring reasonable accommodation to participate in this hearing should call (813) 905-5031 or fax (813) 905-5029 not later than 48 hours prior to the hearing.

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION OF THE PORT TAMPA BAY WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC HEARING WILL NEED A RECORD OF THE PROCEEDINGS AND, FOR SUCH A PURPOSE, MAY NEED TO HIRE A COURT REPORTER TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

8/31/2025 (53217h)

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

EXHIBIT NO. 2

PUBLIC HEARING NOTICE AFFIDAVIT

53217

Tampa Bay Times

Published Daily

STATE OF FLORIDA} ss
COUNTY OF HILLSBOROUGH County

Before the undersigned authority personally appeared Jill Harrison who on oath says that he/she is a Legal Advertising Representative of the Tampa Bay Times a daily newspaper printed in St. Petersburg, in Hillsborough County, Florida that the attached copy of advertisement being a Legal Notice in the matter SITE IMPROVEMENT PERMIT POLICY was published in said newspaper by print in the issues of 08/31/25 or by publication on the newspaper's website, if authorized.

Affiant further says that the website or newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes. Affiant further says the said Tampa Bay Times is a newspaper published in Hillsborough County, Florida and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida each day and has been entered as a second class mail matter at the post office in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he/she neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Signature of Affiant _____
Sworn to and subscribed before me this **08/31/2025**

Signature of Notary of Public
Personally known **X** or produced identification.
Type of identification produced _____

JEAN M MITOTES
Notary Public - State of FLORIDA
Commission # HH 577686
My Commission Expires July 31, 2028

TAMPA PORT AUTHORITY PUBLIC HEARING
Site Improvement Permit Policy Modification
October 1, 2025 @ 11:00 a.m.
PTB ID# 459721

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

EXHIBIT NO. 3

UPDATED SITE IMPROVEMENT PERMIT APPLICATION

PORT TAMPA BAY.

SITE IMPROVEMENTS PERMIT APPLICATION
($200,000 & UNDER)

LOCATION:_____ DATE:_____

TENANT:_____ PHONE:_____

APPLICANT:_____ PHONE:_____

REPRESENTATIVE:_____ ADDRESS_____

Description of site improvements to be installed or modified (Attach 2 sets of drawings signed and sealed by a Florida Professional Engineer and/or Architect.)

_____

_____

Estimated Start Date:_____ Estimated Completion Date:_____ Estimated Cost_____

Work to be performed by: (Name of Contractor or firm) _____

ADDRESS:_____ PHONE:_____

WORK COORDINATED WITH THE FOLLOWING (May be by letter)

Adjacent facility owners or lessees:

1)_____ 2)_____

U.S. COAST GUARD_____ FIRE MARSHALL_____

REMARKS:_____

Applicant hereby certifies above information to be correct to the best of his knowledge and that all other required permits have been obtained.

DATE:_____ APPLICANT'S REPRESENTATIVE (signature):_____

FOLLOWING TO BE COMPLETED BY TPA STAFF

VP Engineering:_____

VP Real Estate:_____

CFO:_____

COO:_____

VP Security:_____

Facilities Director:_____

Environmental Director:_____

Legal Counsel:_____

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

PORT TAMPA BAY.

SITE IMPROVEMENTS PERMIT NUMBER _____

SPECIAL CONDITIONS

THIS PERMIT IS APPROVED SUBJECT TO THE FOLLOWING SPECIAL CONDITIONS:

1. Port Tampa Bay (PTB) may stop work if deemed necessary.
2. Prior to start of work, provide TPA copies of all other regulatory permits, if applicable.
3. Prior to start of work, provide a copy of Contractor's Certificate of Insurance showing coverage meeting Permit Policy Attachment A.
4. Prior to construction submit a Maintenance of Traffic (MOT) Plan to the Port Engineer for approval. The MOT Plan shall keep the Port roadway safely accessible during the construction.
5. Contact Sunshine State One Call of Florida, Inc. (1-800-432-4770) for locations of all underground utilities prior to performing any underground work.
6. The area to be improved will be kept cleaned and the applicant is to be responsible for making repair of any damages caused by them to other facilities.
7. Comply with all laws, codes, ordinances, etc.
8. This permit does not change or modify any leasehold conditions.
9. Is the responsibility of the applicant to notify the Port of the start and completion of construction.

PRE-PERMIT AS-BUILT (GIS)DATA COLLECTION FEE

Prior to issuance of the permit, the applicant will prepay a fee of $_____ to cover all costs associated with GIS post construction Data collection. These costs will cover the field work and processing fees associated with the GIS Data collection so Port can maintain an accurate database of infrastructure on Port property.

It will be the responsibility of the applicant to provide a project contact and an anticipated start date, so the Port can coordinate with its subcontractor who will be performing all the GIS data collection.

1. GIS DELIVERABLE: The Port shall evaluate the cost of collecting GIS data and require a deposit in that amount. The Port will hire a sub-contractor to collect the GIS data for this project, and the sub-contractor will work with the project manager to determine the best schedule for collection. Once this data is collected the Port shall archive the data for its records as well as provide a copy of to the applicant for their records.

REQUIREMENTS FOR PERMIT CLOSE-OUT

THE PERMITTEE MUST NOTIFY PORT ENGINEER WITHIN SEVEN (7) DAYS OF COMPLETING WORK TO SCHEDULE FINAL INSPECTION. AS A PRE-CONDITION TO CLOSE OUT OF THE PERMIT, APPLICANT MUST PROVIDE THE PORT WITH:

2. CAD DELIVERABLE: The permitee shall supply an up-to-date record and as-built drawings by a Florida licensed Professional Land Surveyor showing the constructed items as well as the proposed contract plans. AutoCAD drawings shall be included in the submittal in sp10 or newer format. This includes the surveyed as-built location (Horizontal and vertical position) by a Florida licensed land surveyor of all constructed items including but not limited to the underground utilities. Deliverables for this pay item shall be a minimum of five (1) signed and sealed survey as-builts at a legible scale including an electronic delivery of said AutoCAD drawing.
3. A signed Affidavit attesting that all sub-contractors, laborers, and material-persons on the project have been paid.

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

PORT TAMPA BAY.

FINAL APPROVAL

Date of Permit Issuance: _____ Date of Permit Expiration: _____

APPROVED BY:

_____
Patrick Blair, Chief Engineer

NOTE: Any request for extension of this Permit beyond date referenced above shall be made in writing to:

PTB Engineering Department
Attention: Patrick Blair, Chief Engineer
1101 Channelside Drive
Tampa, FL 33602

PLEASE REFER TO ATTACHED SITE IMPROVEMENT PERMITS POLICY FOR ADDITIONAL REQUIREMENTS.

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

EXHIBIT NO. 4
UPDATED SITE IMPROVEMENT PERMIT POLICY

TAMPA PORT AUTHORITY

Number	Section II
Effective	18 Dec. 2007
Revised	March 2015
Page	1 of 6

SUBJECT: SITE IMPROVEMENT PERMITS

POLICY STATEMENT:

It is the policy of the Tampa Port Authority to provide guidelines for tenants and non-tenants of the Port Authority to obtain permission of the Port Authority before constructing any site improvements on Port Authority property.

Tenant leases require that all port tenants obtain a Site Improvement Permit from the Port Authority before installing new facilities or modifying any existing facilities on Port Authority property. "Site Improvements" include, but are not limited to, new installations, construction, storm drainage, site work, utility work, replacements, repairs, renovations, extensions, additions, modifications, enhancements, enlargements or changes to facilities that are made as betterment to the property or for the benefit of the tenant/non-tenant. Non-tenants proposing to do work on Port Authority property are likewise required to obtain a Site Improvement Permit from the Port Authority. Any repair work to existing facilities that is exactly in kind does not require a Site Improvement Permit.

WORK NOT REQUIRING PERMITS:

A Site Improvement Permit is not required for any work proposed over submerged lands owned by the Tampa Port Authority, because this work requires a Marine Construction Permit be applied for and obtained from the Tampa Port Authority Environmental Department.

A Site Improvement Permit is not required for any repair/replacement of existing facilities that are exactly identical in kind (i.e. roof replacements, pavement repair, etc) and which doesn't substantively change the appearance or function of a facility nor adversely affect adjacent property or facilities. Tenant improvements estimated less than $10,000 shall not require a Site Improvement Permit, with the stipulation that improvements shall not be purposely split or phased into small components or projects in order to avoid submitting for the Site Improvement Permit.

The "Port Engineer' may waive a permit for any work under $200,000, at his discretion.

PERMIT APPROVAL LIMITS:

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

Board policy dictates that permits for site improvements that have an estimated construction cost in excess of $200,000, unless deemed an emergency by the Port Director, must have Board approval. Site improvements that are deemed an emergency may be approved by the Port Director, with a notification memo to the Board explaining the justification for the Port Director having taken the emergency action. Permits for site improvements with an estimated construction cost $200,000 and less may be processed administratively by port staff and the Managing Director. No site improvements shall begin on any Tampa Port Authority Property without an approved Site Improvement Permit.

LICENSES, INSURANCE AND BOND REQUIREMENTS:

Any improvements on Port Authority property shall be performed by qualified and licensed contractors that meet the license requirements of Florida's Contractor Licensing Board or Hillsborough County. Tenants, public agents and utility companies, may perform site improvements work with their own employees.

All contractors performing work on Port Authority property shall be fully insured meeting the minimum insurance coverage limits as per Exhibit 1, which minimum limits may be adjusted periodically by the Port Director from time to time. The contractor performing the work shall arrange for a Certificate of Insurance that will provide evidence that the requisite insurance coverage is in place for the duration of the project. The Insurance Certificate shall be endorsed to name the Tampa Port Authority as an additional insured. This requirement for Contractor's insurance shall in no way reduce or change the insurance required of tenants in their lease with the Authority.

All improvements on Port Authority property in excess of $200,000, require that a Public Construction Bond be furnished to the Tampa Port Authority, in the form as per Exhibit 2,. The amount of the Public Construction Bond shall be for 100% of the construction value. The Bond shall be delivered to the Port Engineer prior to start of any improvements work, and the Bond shall remain in effect for at least 1-year following completion of the work. The Bond requirement may be waived for other Public Agencies or Utility Companies or Tenants of the Tampa Port Authority upon confirmation that the work will be perform with their own employees and not by contracted/subcontracted firms.

PROCEDURE FOR OBTAINING A SITE IMPROVEMENT PERMIT:

A copy of the Site Improvement Permit application together with standard form of Insurance Certificate and Public Construction Bond (improvements over $200,000) may be obtained from the Tampa Port Authority's website at tampaport.com or by contacting the Vice President of Engineering.

Applicants shall submit a completed application for a Site Improvement Permit to the Tampa Port Authority Engineering Department along with the construction specifications and a digitally signed and sealed set by a Florida Professional Engineer and/or Architect, which will clearly indicate the proposed work. The application shall include the total estimated cost of the site improvements.

Any easements that are needed from the Tampa Port Authority for the site, such as easements for water, sewer, electric, communications, access drives, and/or railroad spurs shall be called out on the application and the proposed easement locations shown on the drawings. After the Site Improvement Permit is approved, the applicant shall provide Legal

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

Descriptions and Sketches that will be digitally signed and sealed by a Florida Licensed Surveyor and Mapper for each easement that is requested. The applicant shall provide copies of any relevant correspondence to other tenants, fire marshal, regulatory agencies, or other interested individuals/companies concerned with the project.

Any proposed connection to existing Port infrastructure (water lines, sanitary sewers, storm sewers, electrical system, roadways, or railroads) shall be listed on the permit application. Applicant shall provide engineering calculations in substantiation of the design when so requested by the Port Engineer. Upon review and approval by the Port Authority Engineering Department, the application is routed for review, comments and approval by other Port Staff as deemed appropriate by the Port Engineer. Other Port Staff that may be requested to review, comment or approve the application.

The Tampa Port Authority's Port Engineer provides review, comments and final approval of all applications. Those permit applications on projects with an estimated construction cost over $200,000 require final approval by the TPA Board. All easements that may be requested require approval by the TPA Board.

A copy of the executed application with one drawing and a confirming letter of permit approval from the Port Engineer, with any special conditions that are applicable to the permit, will be transmitted, electronically A copy of the permit approval letter will be furnished to affected port departments (i.e. Operations, Facilities Management, Real Estate, Environmental, Port Security, etc) and any other party deemed necessary.

The permit approval and original application and original drawing(s) will be filed by the Port Engineering Department.

A copy of this policy will be made available upon request.

EFFECTIVE DATE AND DURATION OF PERMITS:

All Site Improvement Permits that are issued become effective on the date that the applicant delivers the contractor's Certificate of Insurance and Public Construction Bond (if applicable) and they are deemed acceptable by the Port as meeting the current minimum coverage limits that are established by the Port Senior Program Coordinator/Risk.

Site Improvement Permits automatically expire one year from date of issuance, unless otherwise extended by the Port Engineer. Written requests for any permit extension shall be sent to the Port Engineer and the Permittee shall include its reason for requesting a time extension.

OTHER REGULATORY PERMITS:

The Site Improvement Permit does not relieve the applicant from the obligation of acquiring any other regulatory permit that may be required from Federal, State, or Local agencies for the site improvements. No work shall commence on Port property without first obtaining the necessary regulatory permits. Copies of other regulatory permits shall be furnished to the Tampa Port Authority.

All marine construction in the Port District including, but not limited to, construction of dredging or filling of submerged lands, floating structures, docks, shoreline stabilization, etc.

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

requires a separate Marine Construction Permit from the Tampa Port Authority. The Marine Construction Permit is handled by the Tampa Port Authority Environmental Department, in accordance with the provisions in the Port's Enabling Act.

STOP WORK ORDERS, REVOCATION OF PERMITS, PERMIT VIOLATIONS:

The Port Engineer or his representative shall be given access to the site for purposes of inspecting the facility and site improvements work. The Port Engineer shall issue a Stop Work Order to any tenant, contractor, firm, or person when it becomes known that work is being performed without an approved Site Improvement Permit. A Stop Work Order or Permit Violation may also be issued whenever it becomes apparent that:

1. Contractor is not licensed or insured in conformance with the Port's Policy.
2. The Public Performance Bond has been terminated or lapsed on projects over $200,000.
3. The project is not being constructed in accordance with the approved Site Improvement Permit.
4. It is in the best interest of public safety to suspend or stop the work.
5. It is in the best interest of port operations or security to suspend or stop the work.

No work shall recommence at the property until the Permit Violation or Stop Work Order is rescinded in writing by the Port.

The penalties that may be accessed for a permit violation can include placing the tenant in default of its lease; a monetary fine up to $5,000; user removing the work in place and restoring the site to its original condition; and or any combination the aforementioned actions. Contractor's who knowingly perform work on Port property without having a valid Site Improvement Permit, may be debarred from working on Port property.

The principal party of any Order or Violation may submit an appeal of the Stop Work Order or Permit Violation within 15 days of date of receiving the Order or Violation. The appeal shall be submitted to the Port Attorney's Office, who will arrange for the matter to be heard at a public hearing by a Hearing Officer. Any recommendation by the Hearing Officer to rescind or endorse the Permit Violation or Stop Work Order will be presented for approval to:

1. Port Director on projects $200,000 or less, or that were originally administratively approved. The Port Director may waive his right to approval of the appeal in favor of presenting it to the Board for their approval.
2. Tampa Port Authority Board on projects over $200,000; or were originally approved by the Tampa Port Authority Board; or are $200,000 or less when presented to them by the Port Director.

The filing fee for submitting an appeal is initially set at $1,000, effective the date the Site Improvement Permit Policy is approved by the TPA Board. The fee may be adjusted each year thereafter based upon the percentage increase or decrease of the Consumer Price Index (CPI) for "All Urban Consumers", Tampa/St. Petersburg Area. Any change in the fee amount over the Consumer Price Index requires Tampa Port Authority approval. The filing fee is refundable only if the appeal is withdrawn by the applicant prior to public hearing. The Tampa Port Authority will not reimburse any other costs, attorney fees, nor claims for damages to any appealing principal, party, tenant, contractor, firm, individual, or their agents

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

or attorneys. The outcome of the appeal process is the TPA's final resolution for all Permit Violations or Stop Work Orders.

PRE-PERMIT AS-BUILT (GIS)DATA COLLECTION FEE

Prior to issuance of the permit, the applicant will prepay a fee provided by the Port to cover all costs associated with GIS post construction Data collection. These costs will cover the field work and processing fees associated with the GIS Data collection so Port can maintain an accurate database of infrastructure on Port property.

The Port shall evaluate the cost of collecting GIS data and require a deposit in that amount. The Port will hire a sub-contractor to collect the GIS data for this project, and the sub-contractor will work with the project manager to determine the best schedule for collection. Once this data is collected the Port shall archive the data for its records as well as provide a copy of to the applicant for their records.

It will be the responsibility of the applicant to provide a project contact and an anticipated start date, so the Port can coordinate with its subcontractor who will be performing all the GIS data collection.

PROCEDURE FOR FINAL CLOSE-OUT OF SITE IMPROVEMENT PERMITS:

A final site inspection shall be performed by the Port Engineer or his designated representative. The permittee shall notify the Port Engineer within 7-days of completing the work to schedule the final inspection. Any deficiencies discovered during the inspection shall be remedied by the permittee before the improvements will be deemed substantially complete and the permit is closed out. As a pre-condition to close-out of the permit, provide the Port with:

1. One set of as-built drawings of the completed site improvements and confirmation of all permit close-outs with regulatory agencies.
2. A signed Affidavit attesting that all sub-contractors, laborers and material-persons on the project have been paid.
3. A copy of the Surety's Consent to release final payment (only required on projects over $200,000 that required a Public Construction Bond).

APPROVED:_____**DATE:**_____
PCD#127531

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

EXHIBIT A

CERTIFICATE AND AFFIDAVIT FOR SURETY BOND INSURER

TO: TAMPA PORT AUTHORITY
RE: PROJECT NAME & ADDRESS _____
_____

CONTRACTOR: _____ Name:
Address: _____
_____
Telephone: _____

AMOUNT OF BOND: _____
SURETY BOND INSURER
Name : _____
Address: _____
_____
Telephone: _____

Before me, the undersigned authority, personally appeared,
_____ _____ on this _____ day of
_____, 20_____ who hereby certifies that, in accordance with Section 287.0935, Florida Statutes, the insurer named above:

1. Is licensed to do business in the State of Florida;
2. Holds a certificate of authority authorizing it to write surety bonds in Florida;
3. Has twice the minimum surplus and capital required by the Florida Insurance Code at the time the invitation to bid is issued;
4. Is otherwise in compliance with the provisions of the Florida Insurance Code; and
5. Holds a currently valid certificate of authority issued by the United States Department of the Treasury under Section 9304-9308 of Title 31 of the United States Code.

_____
Signature of Officer of Surety Insure

STATE OF: _____

COUNTY OF: _____
THE FOREGOING INSTRUMENT was sworn to, subscribed and acknowledged before me this _____ day of _____, 20 ____ by _____ ____ who is personally known to me or _____ has produced _____ as identification and did take an oath.
(Notary, check appropriate blank; and if obtaining identification, fill in appropriate identification number.)

_____
Notary Public

_____
(Printed Name of Notary)
My Commission Expires:

_____
(Serial Number, if any)

Docusign Envelope ID: 46FB08C3-5B53-46E4-81C9-E7788B223BEA

SIGN-IN SHEET

PUBLIC HEARING FOR

SITE IMPROVEMENT PERMIT POLICY MODIFICATION

Wednesday October 1, 2025 @ 11:00 A.M.

PLEASE PRINT THE FOLLOWING INFORMATION

	YOUR NAME (Please print)	COMPANY NAME (Please print full company name)	COMPLETE COMPANY ADDRESS (Please print full company address)	Do you plan to comment?
1.	Joel Eastman	PTB	1101 Channelside Dr Tampa, FL	N
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				

SUBJECT: MODIFICATION OF POLICY ON EXPENDITURE OF FUNDS BY THE PORT DIRECTOR AND STAFF

BACKGROUND:

The Board of Commissioners has adopted policies for the governance of the Tampa Port Authority, d/b/a Port Tampa Bay (PTB), from time to time.

FACTS/COMMENTS:

It is the policy of the PTB Board, in accordance with the PTB enabling legislation, Chapter 95-488, Laws of Florida, as amended, to establish a policy governing the expenditure of funds by the Port Director and his or her staff.

The current PTB Policy authorizes the Port Director to approve the expenditure of funds up to $100,000 (Spending Limit) without the prior approval of the Board of Commissioners. This policy was established by the PTB Board at its April 16, 2013 Board meeting to clarify the ability of the PTB Board to set the spending limits of the Port President and CEO (Port Director) by policy and allow the Port Director to rely upon such policy to quickly address and respond to specific commercial opportunities. The Spending Limit of $100,000 has not been updated since 2013. The attached policy is presented to the Board for consideration and adoption with an increased Spending Limit of $250,000.

RECOMMENDATION:

Adopt the attached policy on Expenditure of Funds by the Port Director and Staff.

Board Meeting
November 18, 2025
Legal Department

PORT TAMPA BAY

Number	Two
Effective	
Revised	November 18, 2025
Page	1

SUBJECT: EXPENDITURE OF FUNDS BY THE PORT DIRECTOR AND STAFF

POLICY STATEMENT:

It is the policy of the Board of Commissioners, in accordance with the enabling legislation, Chapter 95-488, Laws of Florida, as amended from time to time, to establish a policy governing the expenditure of any funds by the Port Director and his or her staff.

PROCEDURES FOR IMPLEMENTATION:

The Port Director may approve the expenditure of funds up to ~~$100,000~~ $250.000 (Spending Limit) without the prior approval of the Board of Commissioners. The Port Director may delegate spending authority within the Spending Limit to Tampa Port Authority staff members in his or her sole discretion. The Port Director shall report any expenditures over $50,000 to the Board of Commissioners at its next regularly scheduled business meeting. An affirmative vote of four (4) Commissioners is requested for any action taken by the Tampa Port Authority which involves the expenditure of funds in excess of the Spending Limit.

APPROVED: _____ **DATE:** _____

E. RECEIPT OF REPORTS

1. REPORT OF MONTHLY AGED RECEIVABLES

2. REPORT OF MONTHLY CONTRACT STATUS

3. REPORT OF MONTHLY WORK PERMITS ISSUED

4. REPORT OF MONTHLY EXPENDITURES BETWEEN $50,000 - $100,000

TAMPA PORT AUTHORITY
Monthly Aged Receivables
October 31, 2025

Customer Number	Customer Name	Current	31 - 60 Days	61 - 90 Days	91 & Over	Customer Balance
Port Fees						
D073	470 BULK PRODUCTS LLC	-	-	40.00	-	40.00
T425	AGUNSA USA, INC (Eastport Lease))	2,448.14	-	-	-	2,448.14
D081	AMERICAN MARINE EXPRESS, INC	-	21.00	-	-	21.00
T400	ARDENT MILLS, LLC	4,554.82	-	-	-	4,554.82
S073	AUTOMOTIVE CORE SUPPLY, INC.	-	10.50	-	-	10.50
A512	BEYEL BROTHERS INC	627.48	-	-	-	627.48
A552	BIEHL & CO FLORIDA LLC	6,351.06	33,528.16	-	-	39,879.22
P045	BOWMAN AND BROOK, LLP	-	-	20.00	-	20.00
S041	BRONCO TRANSPORT	-	40.00	-	-	40.00
T201	BUCKEYE TERMINALS, LLC	147,702.95	-	1,688.65	-	149,391.60
Q527	BW WATER	2,440.72	-	-	-	2,440.72
T003	CARGILL INC	(644.25)	-	-	-	(644.25)
D049	CARGILL SALT	(12.24)	-	-	-	(12.24)
T151	CARGILL SALT	33,470.25	487.31	487.31	-	34,444.87
T131	CARNIVAL CRUISE LINES	315,672.00	-	-	-	315,672.00
T198	CEMEX CONSTRUCTION MATERIALS FLORIDA, LLC	15,444.55	-	-	-	15,444.55
T014	CENTRAL FLORIDA PIPELINE LLC	180,850.59	2,150.70	-	-	183,001.29
T109	CITRUS PRODUCTS	89,225.61	27,489.00	-	-	116,714.61
Q502	CUSTOMS BROKER SUPPLIERS INC	-	-	-	107.30	107.30
A423	DANN OCEAN TOWING, INC	554.68	-	-	-	554.68
Q450	DOLE FRESH FRUIT COMPANY	16,562.00	-	-	-	16,562.00
Q081	DONGKUK INTERNATIONAL INC	147.43	-	-	-	147.43
Q127	DONGKUK INTERNATIONAL INC	2,744.84	-	-	-	2,744.84
A400	EN BISSO & SON INC	1,808.80	-	-	-	1,808.80
Q508	FERROSOURCE	374.58	-	-	-	374.58
T132	FLORIDA AQUARIUM	507.50	-	-	-	507.50

TAMPA PORT AUTHORITY
Monthly Aged Receivables
October 31, 2025

Customer Number	Customer Name	Current	31 - 60 Days	61 - 90 Days	91 & Over	Customer Balance
Q525	FRACHT FWO INC (TX)	-	1,667.14	-	-	1,667.14
A429	GAC SHIPPING (USA) INC	95,825.04	434.09	150.12	-	96,409.25
T185	GAETANO CACCIATORE INC	34,149.97	-	-	-	34,149.97
S043	GLOBAL DISTRIBUTION INC	(619.50)	-	-	-	(619.50)
Q528	GRIMALDI DEEPSEA-ACL USA	6,347.52	-	-	-	6,347.52
T063	GULF SULPHUR SERVICES	10,760.70	284.73	6,015.87	22,560.02	39,621.32
Q401	HANWA AMERICAN CORP-CA	1,400.25	-	-	-	1,400.25
A549	HOST AGENCY, LLC	632.88	-	-	-	632.88
Q526	HUB STEEL	-	187.26	-	-	187.26
Q125	HYUNDAI CORPORATION USA (TX)	735.19	-	-	-	735.19
A306	INCHCAPE SHIPPING SERVICES	71,923.09	-	-	461.66	72,384.75
T101	INTERACID NORTH AMERICA, INC	7,543.28	3,607.98	-	-	11,151.26
A078	INTERNATIONAL SHIP REPAIR	108.00	-	-	-	108.00
D078	KAG SPECIALTY PRODUCTS GROUP, LLC	(1.00)	20.00	-	-	19.00
T116	KINDER MORGAN BULK/TBS	1,532.99	-	-	-	1,532.99
A003	KIRBY OFFSHORE MARINE	13,723.37	-	-	233.24	13,956.61
A248	LA CARRIERS, LLC	329.00	610.20	-	-	939.20
T308	LOGISTEC GULF COAST LLC	134,073.84	-	-	-	134,073.84
T328	MAJESTIC STEEL USA	8,908.39	-	-	-	8,908.39
T430	MARGARITAVILLE AT SEA	220,066.00	-	-	-	220,066.00
A360	MARTIN GAS MARINE	15,227.20	-	-	-	15,227.20
T135	MARTIN MARIETTA AGGREGATES	43,023.20	-	-	-	43,023.20
T134	MARTIN OPERATING PARTNERSHIP	3,878.93	-	91.90	-	3,970.83
A465	MASTER, OWNER & OPERATORS	69,484.13	-	-	-	69,484.13
Q487	METAL ROOF MASTER	-	-	-	881.03	881.03
S067	MKD LOGISTICS LLC	(58.00)	-	-	-	(58.00)
A509	MOBRO MARINE INC	-	162.00	-	-	162.00
A430	MORAN SHIPPING AGENCIES	7,466.86	-	-	-	7,466.86
A053	MORAN TOWING CORPORATION	(68.24)	-	-	-	(68.24)

TAMPA PORT AUTHORITY
Monthly Aged Receivables
October 31, 2025

Customer Number	Customer Name	Current	31 - 60 Days	61 - 90 Days	91 & Over	Customer Balance
T002	MOSAIC CROP NUTRITION, LLC	(7,539.88)	3,753.63	-	530.25	(3,256.00)
T011	MURPHY OIL USA INC	42,976.59	-	-	-	42,976.59
A071	NORTON LILLY INTERNATIONAL, US, INC	49,906.06	-	-	-	49,906.06
A439	NOVA INTERNATIONAL SHIPPING	(35,726.30)	3,477.74	-	-	(32,248.56)
Q351	OPTIMA STEEL INTERNATIONAL, LLC	4,256.25	-	-	-	4,256.25
A069	OSG SHIP MANAGEMENT, INC	1,466.43	57,000.00	-	-	58,466.43
T205	PLAINS LPG SERVICES, L.P.	69.48	69.48	135.65	4,697.96	4,972.57
T318	PORT LOGISTICS TERMINAL OPERATIONS LLC	4,451.84	372.17	-	-	4,824.01
T006	PORTS AMERICA	953.64	-	-	-	953.64
T182	PORTS AMERICA	240,119.50	10,554.00	-	-	250,673.50
Q359	POSCO INTERNATIONAL AMERICA (NJ)	1,112.37	-	-	-	1,112.37
D086	QUICKER LOGISTICS INC/GREEN WAVE	(21.00)	-	-	-	(21.00)
D075	RELIABLE TAMPA PARTNERS	(40.00)	400.00	-	-	360.00
T202	ROYAL CARIBBEAN CRUISES LTD.	520,663.66	-	-	-	520,663.66
A064	SAVAGE & SON, AR	386,932.32	-	-	-	386,932.32
A531	SAVAGE MARINE MANAGEMENT COMPANY, LLC	606.79	-	-	-	606.79
A065	SEA & LAND SHIPPING	1,619.36	-	-	-	1,619.36
Q213	SEAH STEEL AMERICA CORP	6,305.17	-	-	-	6,305.17
Q463	SHIVOM JAY STEELS INTERNATIONAL, LLC	336.46	-	-	-	336.46
S069	SOUTHERN CARTAGE, INC	(220.89)	-	-	-	(220.89)
Q514	SUMMIT GLOBAL TRADING	2,121.08	-	-	-	2,121.08
T021	TAMPA PORT SERVICES, LLC	(9,015.03)	8,565.85	126.75	6,109.67	5,787.24
A384	TAMPA SHIP LLC	278.64	-	-	-	278.64
Q523	TERNIUM USA, INC (LA)	-	-	-	100.99	100.99
D084	TITAN FLORIDA (TITAN CONCRETE-WEST COAST REGION)	-	320.00	-	-	320.00
T173	TITAN FLORIDA LLC	14,016.77	8,642.79	-	2,204.13	24,863.69
T150	TRADEMARK METALS RECYCLING FKA ONESTEEL	10,860.70	11,947.46	-	-	22,808.16
A497	TRANS-ATLANTIC AGENCIES INC	32,372.50	-	-	-	32,372.50
T020	TRANSMONTAIGNE INC	226,767.35	-	-	-	226,767.35
Q163	USP HOLDINGS, INC	1,076.70	-	-	-	1,076.70

TAMPA PORT AUTHORITY
Monthly Aged Receivables
October 31, 2025

Customer Number	Customer Name	Current	31 - 60 Days	61 - 90 Days	91 & Over	Customer Balance
A553	VALHALLA SHIP AGENCY, LLC	(58.74)	-	-	-	(58.74)
T119	VULCAN MATERIALS COMPANY	1,241,159.15	-	-	3,873.05	1,245,032.20
Q435	WEST COAST METALS	1,711.44	-	-	-	1,711.44
T056	YARA NORTH AMERICA INC	5,529.85	-	-	-	5,529.85
	Subtotal Port Fees	**4,312,272.86**	**175,803.19**	**8,756.25**	**41,759.30**	**4,538,591.60**
Lease Charges						
L045	AMALIE OIL	100.04	-	-	-	100.04
L154	ANDALUCIA MASTER ASSOCIATION, INC	25,333.54	-	-	-	25,333.54
L400	ARDENT MILLS, LLC	244.95	-	-	-	244.95
L011	CARGILL FINANCIAL SERVICE CTR	(677.08)	-	-	-	(677.08)
L207	CARGILL INC SALT FACILITY	(302.81)	-	-	-	(302.81)
L225G	CBP DEVELOPMENT, LLC (Garrison Lot)	82,234.33	-	-	-	82,234.33
L403	CELLCO PARTNERSHIP DBA VERIZON WIRELESS	(5.52)	-	-	-	(5.52)
L399	CEMEX CONSTRUCTION MATERIALS FLORIDA LLC	23,000.85	-	-	-	23,000.85
L299	CEMEX CONSTRUCTION MATERIALS FLORIDA, LLC	(594.33)	-	-	332.04	(262.29)
L268	DANIEL, IAN & LORNA	(97.07)	-	-	-	(97.07)
L044	DIVERSIFIED MARINE TECH	326.74	-	-	-	326.74
L196	E.N. BISSO & SON INC	(1.41)	-	-	-	(1.41)
L317	Extenet Systems, Inc	111.04	292.35	-	7,218.72	7,622.11
L415	GLOVIS AMERICA, INC	-	-	-	1,465.77	1,465.77
L214	GULF SULPHUR SERVICES	105.18	105.18	105.18	9,472.25	9,787.79
L309	HILLSBOROUGH COUNTY SHERIFF'S OFFICE	21.24				21.24
L103	INTERNATIONAL SHIP REPAIR &MARINE SERVICES, INC	-	20.00	-	-	20.00
L308	LOGISTEC GULF COAST LLC	-	2,191.66	-	-	2,191.66
L328	MAJESTIC STEEL USA	(154.95)	-	-	-	(154.95)
L443	MARINE SPILL RESPONSE CORPORATION	(428.37)	-	-	-	(428.37)

TAMPA PORT AUTHORITY
Monthly Aged Receivables
October 31, 2025

Customer Number	Customer Name	Current	31 - 60 Days	61 - 90 Days	91 & Over	Customer Balance
L173	MARTIN OPERATING PARTNERSHIP	29,769.51	29,137.32	-	-	58,906.83
L039	MURPHY OIL USA INC	-	917.44	-	-	917.44
L408	NAV TRANSPORTATION LLC	2,940.00	-	-	-	2,940.00
L405	PORT HENDRY D, LLC	809.92	-	-	-	809.92
L264	PORTS AMERICA	46,250.00	-	-	-	46,250.00
L311	Precision Build Solutions, LLC	(80.00)	-	-	-	(80.00)
L292	PURAGLOBE FLORIDA LLC	(200.00)	-	-	-	(200.00)
L329	SESCO CEMENT FLORIDA LLC	(781.08)	-	-	-	(781.08)
L138	SHRIMP SVC DOCK ASSOCIATION	8.00	-	-	-	8.00
L235	STARSHIP CRUISE LINE	322.18	-	-	-	322.18
L064	SUPERIOR SEAFOODS INC	(1,997.98)	-	-	-	(1,997.98)
L253	T C PORT YBOR LLC	(112.18)	-	-	-	(112.18)
L067	TAMPA BAY PIPELINE COMPANY	(87.04)	-	-	-	(87.04)
L049	TAMPA PORT SERVICES, LLC	10,402.77	11,370.23	161.64	22,085.88	44,020.52
L190	TAMPA SHIP LLC	6,500.00	320.00	-	-	6,820.00
L239	TITAN FLORIDA LLC	173.67	-	-	-	173.67
L209	TRADEMARK METALS RECYCLING FKA ONESTEEL	1,219.74	-	-	-	1,219.74
L297	TRANSFLO TERMINAL SERVICES, INC.	(1,134.69)	-	-	-	(1,134.69)
L078	TRANSMONTAIGNE TERMINALING INC	27.40	-	-	-	27.40
L440	UNITED STATES COAST GUARD	21,058.96	-	-	-	21,058.96
L307	VERIZON WIRELESS PERSONAL COMMUNICATIONS LP	(119.72)	-	-	-	(119.72)
L079	VERSAGGI SHRIMP COMPANY	(771.41)	-	-	-	(771.41)
L146	VULCAN MATERIALS	(284.58)	-	-	-	(284.58)
L100	YARA NORTH AMERICA	41.56	-	-	-	41.56
	Subtotal Lease Charges	**243,171.40**	**44,354.18**	**266.82**	**40,574.66**	**328,367.06**

TAMPA PORT AUTHORITY
Monthly Aged Receivables
October 31, 2025

Customer Number	Customer Name	Current	31 - 60 Days	61 - 90 Days	91 & Over	Customer Balance
License Renewals						
V073	BEST LINE OIL INC	-	-	-	262.50	262.50
A506	DSV AIR & SEA, INC	-	-	-	525.00	525.00
V109	INTERNATIONAL MARINE SERVICES OF FLORIDA INC.	-	-	-	262.50	262.50
A535	TAMPA BAY SHIP SERVICES, LLC	-	-	-	262.50	262.50
T166	TAMPA ELECTRIC COMPANY	-	-	-	525.00	525.00
	Subtotal License Renewals	**-**	**-**	**-**	**1,837.50**	**1,837.50**
						844
Total Port Fees, Lease Charges and License Renewals as of October 31, 2025		**$ 4,555,444.26**	**$ 220,157.37**	**$ 9,023.07**	**$ 84,171.46**	**$ 4,868,796.16**

Waivers Granted: On October 28, 2025 a waiver of dockage charges ($8,266.32) was approved for the Navy Vessel USS St. Louis.
The vessel was in port on September 7th and September 15th of 2025.

TAMPA PORT AUTHORITY

MONTHLY CONTRACT STATUS REPORT

10/31/2025

Project	Contractor	Contract Financial Record #	Original Bd App Date	Amt Approved Including Amendments	Costs Incurred to Date	Percent Complete
OPERATING AND NON-CAPITAL CONTRACTS:						
State Legislative Services	Advocacy Group at Cardenas Partners	26-29	08/16/22	$ 60,000	$ 10,000	16.7%
State Legislative Services	Capital City Consulting, LLC	25-31	06/15/21	$ 60,000	$ 55,000	91.7%
State Legislative Services	Gray Robinson, P.A.	26-29	06/17/25	$ 60,000	$ -	0.0%
Benefit Consulting Services	AON Consulting, Inc.	25-25	02/20/24	$ 145,000	$ -	0.0%
Insurance Broker Services	Arthur J. Gallagher Risk Management Services, LLC	26-28	06/18/24	$ 150,000	$ 37,500	25.0%
Property, Liability, and Flood Insurance Coverage	Arthur J. Gallagher Risk Management Services, LLC	26-42	06/18/24	$ 4,471,896	$ 199,649	4.5%
Strategic Communications Services Consultant	Bayview Public Relations	25-54	11/08/22	$ 25,000	$ 18,960	75.8%
Government Relations Consultant Services	Van Scoyoc & Associates	26-33	08/17/21	$ 90,000	$ -	0.0%
Government Relations Consultant Services	Becker & Poliakoff, P.A.	25-33-1	04/15/25	$ 90,000	$ 37,500	41.7%
Bond Council	Bryant Miller Olive, P.A.	26-16	10/01/23	$ 60,000	$ -	0.0%
Real Estate Consulting Services	Colliers International	25-17	06/15/21	$ 75,000	$ -	0.0%
Workers Compensation & Auto Insurance	Florida Insurance Alliance/PGIT	26-05	09/17/24	$ 198,806	$ -	0.0%
Security System Maintenance & Repair	GSA Security/LaForce Holdings	25-03	03/23/22	$ 481,000	$ 187,672	39.0%
Drone Detection System	GSA Security	24-26	02/20/24	$ 120,000	$ 61,509	51.3%
Software Licensing - iSeaports	Harbour Mastery, Inc.	25-26	10/21/14	$ 65,000	$ 57,066	87.8%
Law Enforcement Services	Hillsborough County Sheriff's Office	26-39	09/20/22	$ 3,754,165	$ -	0.0%
SBE Uniformed Security Guard Service	Martinez & Company	26-21	06/18/19	$ 401,265	$ 68,576	17.1%
Strategic Communications Services Consultant	Mercury Public Affairs, LLC	25-14	02/20/24	$ 165,000	$ 38,745	23.5%
Website Development & Website Hosting Services	Pantheon Solutions	25-35	11/15/22	$ 45,000	$ 41,025	91.2%
Financial Advisory Services	PFM Financial Advisors LLC	26-40	09/20/22	$ 30,000	$ -	0.0%
Financial Audit Services	Mauldin & Jenkins, LLC	26-19	09/16/25	$ 64,900	$ -	0.0%
Video Production Services	Shooting Stars Post Inc	26-30	08/15/23	$ 90,000	$ 20,475	22.8%
Landscaping Services	TCC Enterprise Inc	26-06	09/21/21	$ 138,100	$ -	0.0%
Grounds Maintenance	TCC Enterprise Inc	26-18	09/21/21	$ 456,060	$ -	0.0%
Elevator/Escalator Maintenance & Repair Services	ThyssenKrupp Elevator	26-27	09/15/20	$ 967,142	$ 208,363	21.5%
Hosting and Support Services	Timmons Group	25-20	12/21/21	$ 72,950	$ 27,227	37.3%
Medical Insurance	United Healthcare	25-37	10/18/23	$ 3,203,057	$ 3,175,631	99.1%
Uniformed Security Guard Services	Universal Protection Service dba Allied Universal	25-15	12/19/23	$ 4,272,625	$ 3,534,601	82.7%
CBP IT equipment and service	US Customs & Border Patrol	25-65	05/20/25	$ 450,399	$ -	0.0%
Annual recurring services	US Customs & Border Patrol	25-66	05/20/25	$ 75,638	$ -	0.0%
Janitorial Services	Xtremely Clean	25-08	10/15/19	$ 542,284	$ 457,437	84.4%
OPERATING AND NON-CAPITAL CONTRACTS:				$ 20,880,287	$ 8,236,937	
CONTINUING ANNUAL CONTRACTS:						
Disaster Recovery services	Belfor USA Group (Year 4)	25-24	06/18/24	$ 10,000	$ -	0.0%
Professional Service Contracts	Various	20-01-02	09/17/19	$ 6,195,000	$ 5,293,587	85.4%
Professional Service Contracts	Various	21-01-02	09/15/20	$ 7,799,442	$ 5,682,577	72.9%
Professional Service Contracts	Various	22-01-02		$ 14,537,473	$ 13,191,448	90.7%
Professional Service Contracts	Various	23-01-02		$ 12,065,909	$ 9,799,602	81.2%
Professional Service Contracts	Various	24-01-02		$ 8,880,630	$ 7,013,235	79.0%
Professional Service Contracts	Various	25-01-02		$ 8,750,000	$ 8,039,369	91.9%

TAMPA PORT AUTHORITY

MONTHLY CONTRACT STATUS REPORT

10/31/2025

Project	Contractor	Contract Financial Record #	Original Bd App Date	Amt Approved Including Amendments	Costs Incurred to Date	Percent Complete
CONTINUING ANNUAL CONTRACTS:				$ 49,488,454	$ 40,980,450	
CONSTRUCTION AND CAPITAL CONTRACTS:						
HP Resiliency Project	Hypower, LLC	23-52-2	04/02/25	$ 6,576,845	2,727,158	41.5%
HP Resiliency Project	Tampa Electric Company (TECO)	23-52-3	10/22/24	$ 7,000,000	3,000,000	42.9%
Passenger Bridge Replacements at Terminals 2 & 6	FMT Sweden AB & Global Rigging Transport	23-54	02/28/24	$ 7,199,474	3,107,360	43.2%
Shrimp Dock Repairs	Tampa Bay Marine	24-22a	11/14/23	$ 2,415,451	247,523	10.2%
Berth 218 Construction	Orion Marine Construction	24-43	03/19/24	$ 21,496,775	17,843,728	83.0%
Hookers Point Vehicle Storage Area	PCS Civil, Inc	24-44	04/16/24	$ 3,500,000	3,467,478	99.1%
Eastport Mitigation Credits	Mangrove Point Mitigation/Tampa Bay Mitigation & Southen	24-47	08/15/23	$ 3,248,070	2,613,300	80.5%
Electrical Power Generator at Hookers Point Security Complex	Austin Construction Group	24-56	11/14/23	$ 750,000	696,062	92.8%
Metro Port Design	HDR Engineering, Inc.	24-57	06/18/24	$ 500,000	426,796	85.4%
Berth 214 Wharf	Russell Marine, LLC	24-58	06/18/24	$ 67,159,751	36,911,813	55.0%
Security Upgrades @ Heavy Weather Building	GSA Security	24-59		$ 240,000	143,065	59.6%
Navigational Improvements - Maintenance Dredging	Orion Marine Construction	25-04	06/21/22	$ 3,500,000	2,366,736	67.6%
Acquisition of 2 new container gantry cranes	Liebherr Crane Company	25-45	12/17/24	$ 34,000,000	7,176,395	21.1%
PTB's Video Wall System Upgrade	GSA Security	25-60	11/19/24	$ 143,200	152,268	106.3%
Hooker's Point Berth 223 Marine Improvements	Russell Marine, LLC	25-61	01/21/25	$ 1,000,000	985,647	98.6%
Eastport Phase III	Moffat & Nichol	25-62	01/21/25	$ 1,270,464	49,550	3.9%
Hooker's Point Lumber Warehouse (Berth 206)	Reno Boyd Building Co., LLC	25-63	05/20/25	$ 1,600,000	111,364	7.0%
Stormwater Resiliency Master Plan	Applied Sciences Consulting, Inc.	25-67	05/20/25	$ 500,000	30,920	6.2%
HVAC Chillers for T3 & Chiller coils for HQ Bldg	Tampa Bay Trane	25-69	08/19/25	$ 1,217,044	-	0.0%
CONSTRUCTION AND CAPITAL CONTRACTS:				$ 163,317,074	$ 82,057,162	

MINOR WORK PERMIT REPORT
10/1/2025 – 10/30/2025

PERMITS ISSUED

25-011	Todd Downing	Maintenance Dredge/ Apollo Beach Canal/ Mirabay/(Harbor Bay)/Mirabay Tidal Canal/Apollo Beach
25-015	Global Terminal Holdings LLC	Breasting Dolphin/Support Anchors/Fender System/Port Tampa Channel/Tampa
25-018	Thomas Mason	Additional Platform/Boatlift/ Apollo Beach Canal/ Mirabay/(Harbor Bay)/Mirabay Tidal Canal/Apollo Beach
25-021	Chris & Shelly Beswick	Dock/ Non-Covered Boatlift/Apollo Beach Canal/ Mirabay/(Harbor Bay)/Mirabay Tidal Canal/Apollo Beach
25-022	Blakeney Loop LLC (Denise Vrablic)	Dock/ Non-Covered Boatlift/Apollo Beach Canal/ Mirabay/(Harbor Bay)/Mirabay Tidal Canal/Apollo Beach
25-023	Kathleen Curran	Wraparound Catwalk/non-covered boatlift/Apollo Beach Canal/Apollo Beach
25-026	Josiah Varner	L-Shaped Dock/Non-covered boatlift/ Apollo Beach Canal/ Mirabay/(Harbor Bay)/Mirabay Tidal Canal/Apollo Beach
25-032	Michael Fremgen	Dock/ Non-Covered Boatlift/Apollo Beach Canal/ Mirabay/(Harbor Bay)/Mirabay Tidal Canal/Apollo Beach
25-034	1078 Signet LLC	Dock/ Non-Covered Boatlift/Apollo Beach Canal/ Mirabay/(Harbor Bay)/Mirabay Tidal Canal/Apollo Beach

REVISIONS

VIOLATIONS

*Indicates that permit was issued After-The-Fact

PENDING APPLICATIONS SUMMARY

Appl.#	M/S	Applicant	Proposed Work
23-035	S	Port Tampa Bay (TPA) Engineering Dept.	Offshore Breakwater @ West Side of Spoil Island 2D, Tampa, FL
23-044	S	RD RWD Tampa LLC Trustee	Walkway, Maintenance Dredge, floating dock, living shoreline @ 102 S. Parker St. Tampa, FL
23-068	S	MAA Westshore Exchange LLC	Docking Facility at 5440 W. Tyson Avenue, Tampa, FL
24-025	S	Westshore Marina Ventures, LLC	Add approx 23,666 sq ft of overwater structure to the existing Westshore Yacht Club to accommodate mooring 48 additional slips
22-020	M	Pine Key Project, LLC	Dock @ Pine Key Island (aka One Beer Can Island), Gibsonton
22-035	M	Mirasol Davis Islands LLC – Carrier 2 – Mirasol LLC	Dock/finger pier/boatlift/boardwalk @ 84 Davis Blvd. Tampa
23-034	M	City of Tampa	Replace 1-Dock & Install 24 Mooring Anchors/Buoys @ 1002 Severn Avenue-Tampa, FL-Davis Island Seaplane Basin
23-057	M	Key West Landings Dock Assoc. Inc.	Extend Dock-install lift @ Marina Slip-Riverview, Alafia River
23-058	M	Hillsborough County Capital Programs	Replace/extend box culvert @ W of 6515 Riverview Drive, Riverview, FL
24-030	M	Smart Communication Holdings, LLC	Dock/Boatlift @ 5717 Tybee Island Drive, Apollo Beach, FL (Mirabay)

Appl.#	M/S	Applicant	Proposed Work
24-031	M	Smart Communication Holdings, LLC	Dock/Boatlift @ 5718 Tybee Island Drive, Apollo Beach, FL (Mirabay)
24-036	M	Riverside MHP LLC (Brian Sweat)	Seawall @ 1501 Susie Circle, Ruskin, FL 33570
24-045	M	Book of Sail LLC	Dock/Rip Rap @ 840 Signet Drive, Apollo Beach, FL 33572 (Mirabay)
24-048	M	Egypt Shrine Holdings Corp	Dock @ 5017 E. Washington Street, Tampa, FL
25-006	S	Tampa Port Authority	Re-Development of Metro Port Slip @ Harbor Street and Channelside Drive/Tampa
25-007	M	Tampa Hillsborough Expressway Authority	Selmon Expressway Bridge Widening/Tampa
25-009	M	Emory Todd	Dock/non-covered boatlift/Platform List @ 5109 W. San Jose, Tampa, FL
25-013	S	Tampa Port Authority	Berth 301 @ 6059 Diana Toledo Almeida Rd. Gibsonton, FL
25-016	S	City of Tampa	Pedestrian Bridge & Boardwalk @ Western Shoreline of Hillsborough River Between Platt & Brorein ST, Tampa
25-017	S	Tampa Electric Company (TECO)	Big Bend Deeping N-S Channel and Big Bend Berth @ 603 Big Bend Rd, Apollo Beach, FL
25-020	M	Nathan Spero	Dock/Lift @ 3123 Christophers Watch, Ruskin, FL
25-024	M	GVI-IP Tampa Hotel Owner LLC	Dock @ 2900 Bayport Drive, Tampa, F L33607
25-025	M	Mathew Morgenthal	Walkway & Boatlift @ 1064 Signet Drive, Apollo Beach, FL (Mirabay)
25-028	S	South Bay CDD Holdings Inc.	Multi-slip Docking Facility @ 3290 Mangrove PT Drive, Ruskin, FL
25-029	S	South Bay CDD Holdings Inc.	Destiny Drive & Bahia Beach Blvd., Ruskin, FL
25-030	M	Richard Lazar	Maintenance Dredge @ 5714 Tybee Island Drive, Apollo Beach, FL (Mirabay)
25-031	M	Cargill, Inc.	Platforms, pilings, hopper/conveyor @ 200 N. 19th Street, (Berth 256) Tampa, FL
25-033	M	Ray Tuminello	Maintenance Dredge @ 988 Signet Drive, Apollo Beach, FL 33572 (Mirabay)
25-035	M	Lyol & Amy Brumby	Observation Deck @ 1126 Seagrape Drive , Ruskin, FL 33570
25-036	M	Nicholas Parrott	Dock @ 1070 Signet Drive, Apollo Beach, FL 33572 (Mirabay)
25-037	S	MacDill AFT	Repair/Replace Docking Facility @9909 Marina Bay Drive, Tampa
25-038	M	River Bend CDD	Dock Replacement @
25-039	S	Andalucia Yacht Club Inc.	Replace Access Picks @ 1303 Puerto Drive, Apollo Beach, FL 33572
25-040	M	Hillsborough County	Repair Bridge #100248@Memorial Highway & Sweetwater Creek,Tampa
25-041	M	Jason Coleman	Repair/Replace Boatlift @ 885 Symphony Isles Blvd., Apollo Beach
25-042	M	Jason Bowers	Maintenance Dredge@ 621 Balibay Rd, Apollo Beach (Mirabay)
25-043	M	Sidney Wilson	Seawall @ 3240 42nd Avenue SE, Ruskin FL
25-044	M	Vaseem Akhtar	Boatlift/Piling @ 6119 Lagomar Lane, Apollo Beach, FL

EXPENDITURES

Between $50,000 - $100,000
10/01/2025 - 10/31/2025

COMPANY	DESCRIPTION	AMOUNT	FUNDING	ADDITIONAL INFORMATION

Board Meeting
November 18, 2025
ID149166

F. EXECUTIVE DIRECTOR REPORT

G. PRESENTATIONS

NO PRESENTATIONS

H. NEW BUSINESS/COMMISSIONERS' COMMENTS

I. FUTURE PROPOSED PROJECTS

Future Proposed Projects

November 2025

Project Name	Current Contractor / Consultant	Estimated Proposal/Bid Release	Estimated Board Approval
Cruise Terminal 5 Architectural Design Services	NEW PROJECT	January	February/March
Channelside Civil Design Services	NEW PROJECT	January	March
Spoil Island 2D Rehabilitation (Rebid)	NEW PROJECT	December	February

NOTE: This list contains possible future projects. Be advised these projects/contracts may be cancelled, delayed, or revised as required by PTB. Recently added contracts/projects are reflected in **bold.**

* - To Be Determined

For information concerning this list, contact Amanda Roche at 813.905.5008

J. CALENDAR OF EVENTS

TAMPA PORT MINISTRIES THANKSGIVING LUNCHEON
NOVEMBER 18, 2025 AT 11:30 TO 1:30 (TODAY)

29TH ANNUAL STONE CRAB FEST
NOVEMBER 19, 2025 AT CRUISE TERMINAL 2

HOLIDAY LUNCHEON WITH MAYOR JANE CASTOR
TUESDAY, DECEMBER 16, 2025

K. DATE OF NEXT MEETING

TUESDAY, DECEMBER 16, 2025, 9:30 AM
VISIT WWW.PORTTB.COM FOR FURTHER INFORMATION

L. ADJOURNMENT