Meeting Date:
Meeting Type:

# LOVE & INSPIRE



Marble Falls Independent School District Marble Falls High School Softball Field Marble Falls, Texas

#### **GMP-1 Proposal Summary**

October 15, 2025

American Constructors is pleased to present for your consideration the proposed Guaranteed Maximum Price (**GMP**) for Marble Falls ISD's **Marble Falls High School Softball Field**. Our proposed GMP amount is **\$1,060,617**.

The project scope consists of the softball field package including excavation, detention pond, and replacing softball field turf with synthetic turf.

It is anticipated that any permits necessary to begin work will be provided prior to start of construction activities. Softball Fleld Construction to begin October 21, 2025.

Clarifications and a breakdown of the GMP are provided on the accompanying pages.

The following Documents are attached:

- Exhibit A-1: GMP Estimate
- Exhibit A-2: GMP Amount Summary
- Exhibit B-1: Qualifications & Exclusions
- Exhibit B-2: Wage Scale
- Exhibit B-3: Owner Coordination List
- Exhibit C: Document List

We respectfully request your approval of this GMP.

# **Marble Falls High School**

11900 West Parmer Lane, Suite 200 Cedar Park, Texas 78613

GMP-1 - Softball Field

0978.001

Div	Spec	Description	TOTAL
01		GENERAL REQUIREMENTS	
	01300	Administrative Requirements	5,840
	01520	Project Storage	6,000
	01530	First Aid / Safety	500
	01710	Cleaning/Waste Management	2,000
		01 GENERAL REQUIREMENTS	14,340
31		EARTHWORK	
	31230	Grading, Excavation and Fill	70,700
	31250	<b>Erosion Controls</b>	7,575
		31 EARTHWORK	78,275
32		EXTERIOR IMPROVEMENTS	
	32250	Artificial Turf	584,955
	32310	Fences and Gates	3,788
		32 EXTERIOR IMPROVEMENTS	588,742
33		UTILITIES	
	33099	Site Utilities	148,092
		33 UTILITIES	148,092

11900 West Parmer Lane, Suite 200 Cedar Park, Texas 78613

GMP-1 - Softball Field

0978.001

### **Estimate Totals**

Description _	Amount	Totals
Subtotal _	829,449	829,449
<b>Bond/Insurance Subtotal</b>	18,072	847,521
Escalation and Contingency _	100,000	
Contingency	100,000	947,521
Fee	43,586	
General Conditions and Precon _	69,510	
Subtotal	113,096	1,060,617
Total		1,060,617



# Marble Falls High School – Softball Field GMP-1 Amount Summary

### **GMP** Proposal Summary

Previously submitted and current GMP totals:

GMP's Previously Approved	\$0
GMP this Proposal	\$1,060,617
Total GMP	\$1,060,617

## Contingencies

The following Contingencies are included in the GMP:

Escalation and Contingency	\$100,000
Total	\$100,000



#### Marble Falls High School Softball Field

#### **GMP-1 Qualifications & Exclusions**

- 1. The GMP is based on the following documents:
  - a. Marble Falls High School Softball Field 95% CD Plan Set dated 10/03/2025.

#### 2. Div. 02 – Existing Conditions

- a. The GMP is based on the site being free from hazardous and contaminated materials including contaminated water and soil regardless of classification. Hazardous and contaminated materials testing, monitoring and abatement, as well as any required environmental investigations and insurance if required is outside of this GMP and will be addressed by the Owner.
- b. Fees or costs for rehabilitation or repair of existing paved areas and concrete flatwork that are degraded due to normal construction activities are not included.
- c. Demolition scope is limited to removing the existing Softball Field playing surface and Softball Field fencing.
- d. Relocation of any existing electrical or utilities that are within the excavation depth is not included.

#### 3. Div 13 – Special Construction

a. Existing bleachers to remain. Repair and/or replacement of existing bleachers is not included.

#### 4. Div. 26 - Electrical

- a. PEC fees are not included.
- b. Permanent power consumption is not included.
- c. No new electrical equipment, panels, switchgear, lighting control panels, or transformers are included.
- d. Electrical panels, disconnects, or other equipment for future building additions or renovations are not included.
- e. Existing sports lighting is to remain. Repair and/or replacement of sports lighting is not included.
- f. Existing power and lighting controls are to be utilized for Softball Field.
- g. Existing scoreboard to remain. Electrical work related to the scoreboard is not included.

#### 5. Div. 31 – Earthwork

- a. All provisions of the Geotech Report are excluded.
- b. Proof rolling of existing subgrade is included.
- c. Site excavation and grading is included for the detention pond and Softball Field only.
- d. Existing subgrade will be compacted prior to field construction. Removal or replacement of existing subgrade is not included.
- e. Value of earthwork is predicated on doing work for Softball and Baseball improvements simultaneously for efficiencies of on site material usage.
- f. Excess material from Softball Field will be stockpiled on site for use in Baseball Field construction.

#### 6. Div. 32 – Site Improvements



- a. Permanent fencing is not included.
- b. Softball Field fencing, outfield netting, batting cage netting, Batter's Eye, and bullpen fencing are not included.
- c. Existing dugouts to remain. Work related to dugouts including but not limited to painting, electrical work, drainage, roof work or repair, replacement or provision of softball equipment, is **not** included.
- Softball turf by Symmetry Sports Construction includes Astro Turf Diamond Professional "Legend" Series Synthetic Turf Systems:
  - i. Rootzone Diamond | 60oz: Clay infield and clay bullpen areas
  - ii. Rootzone 3DM 52oz: Infield grass and bullpen grass areas
  - iii. Rhino Blend 42oz, 2" Pile Height: at outfield and foul territory grass areas.
  - iv. Rhino Blend 42oz, 1.5" Pile Height: Clay warning track.
  - v. Rootzone Diamond ERA 90oz: Entirety of pitcher mound & Homeplate circle. Includes Seven (7) additional inserts; one for each year of warranty for the pitcher, batter, and catcher areas.
  - vi. 8-year warranty with no exceptions.
  - vii. SBR Rubber & Sand infill, in specific mix ratios recommended by the synthetic turf manufacturer.
  - viii. Pull behind turf field groomer included, vehicle excluded.
- e. Softball turf system exclusions:
  - i. Concrete slab at Homeplate circle and required American Floor Mats ½" thick rubber mat are excluded.
  - ii. Brockfill cooling infill and required Brock SP14 field shock pad are excluded.
  - iii. Size (6) in situ percolation tests is excluded.
  - iv. Requirement to test turf samples prior to shipping to jobsite is excluded.
  - v. Pre-Bid Materials testing and inspection of turf system materials is excluded.
  - vi. Spec requirement to provide samples of washed base stone is excluded. I want to make sure we want to include this. I think we should exclude most of the spec requirements for testing stone and turf and all layers of the turf system prior to placing or shipping.
- f. Existing backstop wall and netting to remain in place. Repair, removal, or replacement of backstop netting and wall are not included.
- g. Softball equipment and products included in this proposal are included as follows:
  - i. Set of bases, w/double 1<sup>st</sup> base 1 set
  - ii. Home Plate 3 ea
  - iii. Pitching Rubber, 24" w/anchors- 3 ea
  - iv. Foul Poles with wing, 30' 1 set
  - v. Sportsfield Specialties dugout rails with padding on visitor and home side dugouts

#### 7. Div. 33 - Utilities

- a. Gas utility fees and gas utility contractor fees are not included.
- b. Site utilities are included for detention pond work only.
- c. Repair/replacement of existing water, waste water, or storm drainage lines is not included.

d.

#### **General Qualifications:**



- a. No alternates are included in this GMP.
- b. The cost of utility usage for permanent meters is to be paid by the owner.
- c. General Conditions & Preconstruction Services are a cost of the work and are included at amount not to exceed \$69,510.
- d. Costs for guarantees and warranty are included and are cost of the work. The warranty period shall begin as of the date of substantial completion.
- e. Liability insurance is a cost of work and will be charged at a fixed rate of 0.85% applied against the final contract sum.
- Builder's risk insurance is a cost of work and will be charged at a fixed rate of .007% per month applied against the total GMP.
- g. Construction Manager payment and performance bond is a cost of work and will be charged at a fixed rate of 0.85% against the final contract sum.
- h. Labor burden is a cost of work and will be charged at a fixed rate of 45%.
- i. Subcontract Surety is a cost of work and will be charged at a fixed rate of 1.0% applied to the subcontract and material contract amounts.
- Construction Manager Fee at a rate of 4.60% to be charged on the cost of the work.
- k. All provisions of this Amendment take precedence over any provisions of the original contract. Contractor's assumptions, clarifications or qualifications regarding the Work shall be considered part of the Contract Documents (as defined in the Contract) and in the event of any conflict, such assumptions, clarifications or qualifications shall control.
- This GMP is not a line item Guaranteed Maximum Price (GMP). Any breakdown of cost provided is for reference only and shall not be used as a basis for adjustment of the contract amount. Savings from one line item can be used to offset overruns in other line items.
- m. This GMP is based on the assumption that the contract documents meet all laws, ordinances, codes, rules and regulations in effect. This GMP does not include any costs or scope of work that is not explicitly shown and detailed that may be required to comply with governing rules.
- n. The GMP is based on a reasonable interpretation of all information provided in the contract documents. If there are conflicts, inconsistencies, or discrepancies in the contract documents, the preponderance of information shall govern unless the item is specifically clarified herein.
- o. The GMP is based on the assumption that all other parties, working on the project, that are not under contract with American Constructors will:
  - i. Perform work according to the Project schedule as developed and adjusted by American Constructors.
  - ii. Comply with all insurance and indemnification requirements of American Constructors.
  - iii. Provide plans, technical information and coordinate when and as requested by American Constructors in order to enable American Constructors to maintain and/or accelerate elements of the Project schedule which may be required to achieve necessary milestone and/or completion dates.
- Payment for work will be based upon an approved schedule of values. Payment will not be based on unit price or other measurement and payment provisions.
- q. American Constructors is responsible for the general safety of the site and for coordination of work activities. All subcontractors hired to complete specific scopes of



- work are independent contractors and are thereby solely responsible for the safe working practices, safety and conduct of their employees.
- r. Work will be allowed to be performed during any hours as necessary to accommodate sequencing of activities and efficient means and methods of constructions. All work will be coordinated with the owner to minimize disruption of activities and a minimum of 7 days advanced notice will be provided for any planned outage or disruption.
- s. Electronic document files will be provided to the construction manager and subcontractors at no cost.
- t. Unless specifically noted otherwise, all color, texture, shapes, and finish selection shall be from the manufacturer's currently available standard options.
- u. No provisions have been made to ensure all products supplied for this Work have been manufactured in Texas or the United States.
- v. Electronically submitted maintenance manuals, record documents, shop drawings.
- w. Record documents will be kept electronically.
- x. Field engineering layout to establish initial controls and trade specific layout and quality control shall be reimbursable as cost of work.
- y. To allow flexibility in working around supplier price escalations, pricing is contingent upon the ability to propose and get approval for alternate manufacturers (specified or otherwise) at any time, all the way up to actual material order placement.
- z. All mock-ups are subject to material availabilities and lead times, Construction schedule will take precedence. In cases where a mock-up can't be completed in advance - efforts will be made to allow in-place review of systems and materials as installation begins.
- aa. GMP pricing based on receiving approval to move forward with project as currently designed within 60 days of bid date – project was bid on 09/25/2025.
- bb. Construction schedule, sequencing, and completion milestones are based on receiving notice to proceed (construction start) by October 20th, 2025, and do not account for any delays, including but not limited to weather days, campus activities, or AHJ intervention.
- cc. All work for this scope is to be performed concurrently. Schedule is not based on completion of the ponds before other work can begin.

#### **General Exclusions:**

- a. All fees associated with plan review and permitting and platting, except as listed above.
- b. Maintenance Bonds, Performance bonds, or fiscal sureties required by AHJ or permitting authorities.
- c. Design and design fees.
- d. Utility service provider fees and costs to establish or upgrade services. This includes meter(s), impact fees, capital recovery fees and any installation costs.
- e. All 3<sup>rd</sup> party material testing and/or inspections.
- f. Cost and impact of changes resulting from plan review by permitting that are not incorporated into the construction documents.
- The GMP does not include provisions to overcome product and labor shortages, delays in product delivery and other cost increases that may occur due to weather related or other national or worldwide emergencies. Significant material cost increases or labor shortages due to natural disasters or "acts of God" like hurricanes, floods, earthquakes, weather disturbances, or other events beyond the control of the Contractor such as war, terrorism, civil disorder, labor strikes, wildfire or governmental acts such as quarantines, tariffs, sanctions, or embargos.



- h. Survey for recording of easements or final property survey.
- i. Any allowances described in the plans and specifications but not listed in Exhibit B.
- j. Requirements for LEED and/or green building certification.
- k. Construction waste recycling or any references to alternate disposal methods.
- I. Security Guard Service.
- m. Cost for street use or ROW use easements, leases or licensing agreements.
- n. Repairs or modifications to existing storm lines.
- o. Offsite drainage improvements or offsite storm water detention.
- p. Work outside of the Softball Field, including but not limited to work on existing dugouts, batting cages, backstop wall and netting, and fencing is not included.
- q. Grading and/or material haul-off outside limits of constructions.
- r. Irrigation work not specified above.
- s. Materials testing allowance
- t. Cost of dumpsters or removal of refuse because of owner's FFE installation.
- u. Furniture, fixtures, or equipment unless scheduled and included in specifications. Discrepancies defer to owner coordination list in GMP proposal.
- v. Maintenance or service agreements of any systems.
- w. Specification Divisions 00 and 01.
- x. All materials shall be of United States domestic manufacture unless specified.
- y. Training Videos in DVD format.
- z. All inspections, tests, and quality control services outlined in Part 3 of any given spec section (by Owner 3<sup>rd</sup> party if necessary by Owner's determination).
- aa. Specified warranty periods or coverage that exceed specified manufacturer's offered warranties are excluded. Duration and coverage of warranties will default to the standard or longest warranty offered by the manufacturer where the requested warranty cannot otherwise be met.

# ATTACHMENT A PREVAILING WAGE RATE SCHEDULE



# MARBLE FALLS ISD PREVAILING WAGE RATE SCHEDULE (as of May 20, 2025)

Please note that fringes are only required to be paid on projects that involve federal funds. If you are unsure about whether the project will be using federal funds, please inquire and seek clarification.

General Decision Number: TX20250123 05/16/2025

Superseded General Decision Number: TX20240123

State: Texas

Construction Type: Building

County: Burnet County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658.

Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered	. Executive Order 14026	
into on or after January 30,	generally applies to the	
2022, or the contract is	contract.	
renewed or extended (e.g., an	The contractor must pay	
option is exercised) on or	all covered workers at	
after January 30, 2022:	least \$17.75 per hour (or	
	the applicable wage rate	
	listed on this wage	
	determination, if it is	
	higher) for all hours	
	spent performing on the	
	contract in 2025.	
If the contract was awarded on	. Executive Order 13658	
or between January 1, 2015 and	generally applies to the	1

January 29, 2022, and the	contract.	
contract is not renewed or	. The contractor must pay all	ĺ
extended on or after January	covered workers at least	
30, 2022:	\$13.30 per hour (or the	j
İ	applicable wage rate listed	Ì
İ	on this wage determination,	į
İ	if it is higher) for all	
İ	hours spent performing on	
İ	that contract in 2025.	Ĺ

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification Number	<b>Publication Date</b>
0	01/03/2025
1	03/14/2025
2	05/16/2025

ASBE0087-002 06/03/2024

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR\$ 29.		8.79
BOIL0074-003 01/01/2025		
	Rates	Fringes
BOILERMAKER\$ 33.1		
IRON0482-013 06/01/2024		
	Rates	Fringes
IRONWORKER, REINFORCING AND STRUCTURAL\$ 27.		7.73
LABO0154-001 05/01/2024		
	Rates	Fringes
Laborers: (Mason Tender - Cement/Concrete)\$ 25.		
* PLUM0286-007 03/03/2025		
	Rates	Fringes
PLUMBER, Excludes HVAC Pipe Installation\$ 37.		

## \* SUTX2009-010 04/20/2009

	Rates	Fringes
BRICKLAYER	\$ 19.67	0.00
CARPENTER, Includes Acoustical Ceiling Installation, Drywall Hanging, and Metal Stud Installation	\$ 13.13 **	0.00
CEMENT MASON/CONCRETE FINISHER	\$ 13.27 **	0.00
ELECTRICIAN	\$ 20.00	3.11
GLAZIER	\$ 17.20 **	1.59
HVAC MECHANIC (HVAC Duct and Pipe Installation)	\$ 14.21 **	0.77
INSTALLER - OVERHEAD DOOR	\$ 11.63 **	6.26
LABORER: Common or General	\$ 9.73 **	0.00
LABORER: Landscape & Irrigation	\$ 8.50 **	0.22
LABORER: Mason Tender - Brick	\$ 12.02 **	0.00
LABORER: Mortar Mixer	\$ 12.00 **	0.00
LABORER: Plaster Tender	\$ 9.00 **	0.00
OPERATOR: Backhoe/Excavator/Trackhoe	\$ 13.75 **	0.00
OPERATOR: Bulldozer	\$ 12.80 **	0.43
OPERATOR: Crane	\$ 21.33 Rates	0.00 Fringes
OPERATOR: Forklift	\$ 14.58 **	0.00
OPERATOR: Loader (Front End)	\$ 10.54 **	0.00
PAINTER: Brush, Roller and Spray	\$ 12.26 **	0.00
PLASTERER	\$ 15.50 **	0.00
ROOFER	\$ 13.64 **	1.80
SHEET METAL WORKER, Excludes HVAC Duct Installation	\$ 17.00 **	0.00
TILE SETTER	\$ 15.00 **	0.00
TRUCK DRIVER	\$ 11.24 **	0.35

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

\_\_\_\_\_\_

\*\* Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to

which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information requirements worker protections under the EO is available contractor and https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

\_\_\_\_\_\_

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

#### Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example:

PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

#### **Union Average Rate Identifiers**

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

#### **Survey Rate Identifiers**

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this

classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

#### **State Adopted Rate Identifiers**

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

#### WAGE DETERMINATION APPEALS PROCESS

- 1) Has there been an initial decision in the matter? This can be:
  - a) a survey underlying a wage determination
  - b) an existing published wage determination
  - c) an initial WHD letter setting forth a position on a wage determination matter
  - d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys Wage and Hour Division U.S. Department of Labor

200 Constitution Avenue, N.W.

Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations

Wage and Hour Division

U.S. Department of Labor

200 Constitution Avenue, N.W.

Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage

and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator

U.S. Department of Labor

200 Constitution Avenue, N.W.

#### Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210.

\_\_\_\_\_

END OF GENERAL DECISION"



#### **Owner Coordination List**

Marble Falls High School - Softball Field

Marble Falls High School - Softball Field								
ITEM	CM CFCI	Owner OFOI	Owner OFCI	Other	N/A	Comments		
D: W D ://)					V			
Drive Way Permit(s) Permits and Fees		X			X			
Water Capital Recovery Fees/Meters		X						
Sewer Tap Fees		X						
SWPPP or WAPAP	X	Λ						
LCRA Site Permit (if required)	71	X						
Eciti Site Fermit (if required)		71						
Utility Services & Offsite Costs								
Roadways to Site					X			
Signalization of Intersection(s)					X			
Gasline and meter to Site					X			
Electrical Service to Site				X		Existing		
Conduit and pathways					X			
Transformer pad(s) for svc provider					X			
Transformer & wiring to svc provider transformer					X	Existing		
Phone Svc to Site					X	Existing		
CATV Svc to Site					X	Existing		
Fiber Optic Svc to Site					X	Existing		
Water Svc to Site					X	Existing		
Sewer Svc to Site	1	1			X	Existing		
On-Site Utility Costs								
Gasline and meter from Property Boundary to Building					X			
Electrical Service to building								
Conduit and pathways					X	Existing		
Transformer pad(s) for svc provider					X	Existing		
HV OH/UG Service along property line					X	Existing		
Transformer & HV wiring to svc provider transformer					X	Existing		
Demo and remove existing power poles					X	The state of the s		
Water Svc from Property Boundary to Building					X	Existing		
Sewer Svc from Property Boundary to Building Pathways for Phone, Fiber, and CATV Svc					X	Existing Existing		
Phone, Fiber, and CATV Cabling to Demark					X	Existing		
Electrical Useage During Construction					X			
Water Useage During Construction			X		Λ			
HVAC Test and Balance			21		X			
Moving In & Setup					X			
Moving out of existing items & FFE prior to renovation/Demo					X			
Inspections/Commissioning					X			
Material Testing - earthwork, welding, concrete, etc					X			
Geotechincal Investigation		X						
A-E Design								
Civil		X						
Landscape					X			
Architectural					X			
Structural					X			
MEP					X			
Technology					X			
Culinary					X			
A-E Construction Admin								
Architectural					X			
Structural					X			
Roofing					X			
Technology	1	1			X			
Kitchen		-			X			
Furnishings								
Conference Room Furniture					X			
Classroom Desks/Chairs/Moveable Shelving	1	t -			X			
Office Furniture/Desks/Moveable Shelving	1	<u> </u>			X			
Furniture in Commons Areas					X			
Clinic Cots					X			
Clinic cubical track and drapes	1				X			
Metal Storage Room Shelving					X			
Main Entry Reception Desk	İ	1			X			
Artwork					X			
File Cabinets					X			

	CM	Owner	Owner			
ITEM	CFCI	OFOI	OFCI	Other	N/A	Comments
					**	
Markerboards / Tackboards					X	
Premanufactured Casework and Equipment Science room fume hood					X	
Science room teacher work station					X	
Science room student work tables					X	
Office Safe					X	
HSC Simulation Beds					X	
HSC Sim lab Cubical Curtains					X	
Teacher Desk & Chair, Mobile A-V Computer Cart					X	
Existing student worktables					X	
ADA student worktable					X	
Student Stools					X	
Signage						
Room Signage					X	
Reception Signage					X	
Interior Wayfinding Signage					X	
Exterior Wayfinding Signage					X	
Building Letters & Building Mtd Signage					X	
Marquee Sign					X	
Safety Equipment						
Eyewash Units					X	
Fire Extinguishers & Cabinets					X	
Miscellaneous						
Classroom Books					X	
Pots/Pans/Utensils in Culinary					X	
VCT Waxing					X	
Carpet Cleaning					X	
Bathroom Accessories						
Toilet Paper Dispensers					X	
Paper Towel Dispensers					X	
Soap Dispensers					X	
Paper Towel Disposal					X	
Sanitary Napkin Disposal					X	
Hand Dryers Locker benches					X	
Locker benches					Λ	
Equipment						
Microwaves					X	
Coffee Makers					X	
Residential Ice Machines					X	
Vending Machines					X	
_						
A/V Equipment					X	
Televisions					X	
Projectors					X	
TV Mounts					X	
TV & Projector power and data  A/V Systems for Conference Rooms					X	
Video Conferencing					X	
Projection Screens					X	
J						
Technology Equipment						
Intercom System/PA					X	
Access Control System	1				X	
Security System					X	
CCTV cameras and head end equipment	1				X	
CCTV rough-in and cabling	+				X	
Computers - Desktop & Laptop	+				X	
Computer on wheel carts Phone Switch (VOiP, other)	-				X	
Phone Switch (VOIP, other)  Phone Instruments (list locations)	+				X	
Copiers	+				X	
Laminators	+				X	
Fax Machines					X	
Network Cabling					X	
·		•	•——			

	CM	Owner	Owner			
ITEM	CFCI	OFOI	OFCI	Other	N/A	Comments
Patch cords for each Jack location (phones, computers)					X	
FiberOptic Patch cords					X	
CAT6 patch cords at network server racks					X	
Network Racks & Grounding					X	
Network Servers					X	
Network UPS system(s)					X	
Wireless Network - Cabling					X	
Wireless Network Device Layout and Coverage					X	
Wireless Network Devices and Install - WAPs					X	
Sound and Video recording/production equip					X	
Building Management System Computer access					X	
Check-In Kiosks					X	
Local Sound Systems					X	
					·	

# Marble Falls HS Softball Field Current Drawing Log "Exhibit C"

Sheet		Current
Number	INDEX OF DRAWINGS	Date
	SPECIFICATIONS	
	SPECIFICATIONS (VOL 1 & 2)	08/29/25
	SPECIFICATIONS (ADDENDUM 01)	09/09/25
	SPECIFICATIONS (ADDENDUM 02)	09/18/25
	( 122202)	00.10.20
	GENERAL	
G0.00	COVER	09/16/25
G0.01	TAS	08/29/25
G0.02	LEVEL 01 - CODE PLAN	09/16/25
AD4 00	ARCHITECTURAL	00/00/00
AD1.00	DEMOLITION SITE PLAN	09/08/25
A00.00	SYMBOLS & ABBREVIATIONS	08/29/25
A00.01	PARTITION TYPES - MASONRY	08/29/25
A00.10	COMCHECK ARCHITECTURAL SITE PLAN	08/29/25
A01.00	SITE DETAILS	09/16/25
A01.01 A01.02	MARCHING STRIPING PLAN	08/29/25 08/29/25
A02.01	COMPOSITE FLOOR PLAN -FIRST FLOOR	09/16/25
A02.01	FLOOR PLAN -CLUBHOUSE AND VISITORS DUGOUT	09/16/25
A02.03	FLOOR PLAN -CLOSHOOSE AND VISITORS DOGGOT	09/16/25
A02.04	FLOOR PLAN -PRESSBOX AND BLEACHERS	08/29/25
A02.05	FLOOR PLAN -CANOPY AT PRESSBOX AND BLEACHERS	09/08/25
A03.01	ENLARGED RESTROOM PLANS	09/16/25
A03.02	STAIR PLANS & SECTIONS	08/29/25
A05.01	ROOF PLAN	08/29/25
A05.10	ROOF DETAILS	09/16/25
A05.11	ROOF DETAILS	09/16/25
A06.00	EXTERIOR ELEVATIONS	08/29/25
A06.01	EXTERIOR ELEVATIONS	08/29/25
A06.02	EXTERIOR ELEVATIONS	08/29/25
A07.01	BUILDING SECTIONS	08/29/25
A07.10	WALL SECTIONS	08/29/25
A07.20	SECTION DETAILS	08/29/25
A08.00	DOOR SCHEDULE & HM DOOR DETAILS	09/16/25
A08.01	EXTERIOR OVERHEAD DOORS	08/29/25
A09.00	INTERIOR FINISH SCHEDULE AND FINISH FLOOR PLAN	08/29/25
A09.01	INTERIOR ELEVATIONS	08/29/25
A09.02	INTERIOR ELEVATIONS	08/29/25
A09.03	INTERIOR DETAILS	08/29/25
A10.01	REFLEC. CEILING PLN -CLUBHOUSE & VISITORS DUG OU	08/29/25
A10.02	REFLEC. CEILING PLN -BAT. CAGE & BLEACHER CANOPY	08/29/25
A11.00	SIGNAGE & LOCKER PLANS AND DETAILS	08/29/25
	STRUCTURAL	
S0.01	STRUCTURAL NOTES	09/08/25
OU.U 1	511.0010101E1101E0	001001E0

Sheet		Current
Number	INDEX OF DRAWINGS	Date
S0.02	STRUCTURAL NOTES	08/29/25
S0.03	SPECIAL INSPECTION	09/08/25
S0.04	TYPICAL DETAILS	08/29/25
S0.05	TYPICAL DETAILS	08/29/25
S1.01	BASEBALL SITE PLAN	08/29/25
S1.02	SPECIAL SITE PLAN - BLEACHER PAD	08/29/25
S2.01	BASEBALL CLUBHOUSE & DUGOUT FOUNDATION PLAN	09/08/25
S2.02	BASEBALL CLUBHOUSE & DUGOUT FRAMING PLAN	09/08/25
S3.01	FOUND SECT & DTLS BBALL CLUBHOUSE & DUGOUT	08/29/25
S3.02	FOUND SECT & DTLS BBALL CLUBHOUSE & DUGOUT	08/29/25
S4.01	FRAMING SECT & DTLS - BBALL CLBHOUSE & DUGOUT	08/29/25
S4.02	FRAMING SECT & DTLS - BBALL CLBHOUSE & DUGOUT	08/29/25
S5.01	EXISTING BAND TOWER & DEMOLITION PLAN	08/29/25
S5.02	BAND TOWER -NEW FOUNDATION PLAN & SECTIONS	08/29/25
S6.01	FOUNDATION PLAN -BASEBALL BATTING CAGE	08/29/25
S6.02	ROOF FRAMING PLAN -BASEBALL BATTING CAGE	08/29/25
S6.03	FOUNDATION SECTIONS & DTLS BBALL BATTING CAGE	08/29/25
S6.04	FOUNDATION PLAN BBALL BATTING CAGE (ADD ALT 4)	08/29/25
S6.05	ROOF FRAMING PLN BBALL BATTING CAGE (ADD ALT 4)	08/29/25
S7.01	RELOCATED BASEBALL SCOREBOARD PLAN & DTLS	08/29/25
1400.04	MECHANICAL	
M00.01	MECHANICAL LEGEND & ABBREVIATIONS	08/29/25
M00.02	MECHANICAL SCHEDULES	08/29/25
M02.01A	FLOOR PLAN-CLUBHOUSE & VISITORS DUGOUT -HVAC	08/29/25
M05.01A	ROOF PLAN -CLUBHOUSE AND VISITORS DUGOUT -HVAC	08/29/25
M06.01A	DETAILS - HVAC	08/29/25
	ELECTRICAL	
E00.01	ELECTRICAL LEGEND ABBREVIATIONS	08/29/25
E00.01	LIGHTING FIXTURE SCHED. & INTERIOR LIGHTING CTRL	08/29/25
E00.02	ELECTRICAL ONE-LINE DIAGRAM	08/29/25
E00.04	ELECTRICAL ONE-LINE DIAGRAM  ELECTRICAL SCHEDULES	09/08/25
E01.01	ELECTRICAL SITE PLAN	08/29/25
E01.02	ELECTRICAL SITE PLAN BASEBALL	09/08/25
E02.01A	REFLEC. CEIL. PLN-CLBHSE DUGOUT & BAT CAGES LT	08/29/25
E03.01A	FLR PLAN-CLUBHSE, DUGOUT & BAT CAGES-POWER	09/08/25
E04.01A	FLOOR PLAN -CLUBHOUSE - FIRE ALARM	08/29/25
E05.01A	ROOF PLAN -CLUBHOUSE - POWER	08/29/25
_00.01A	NOO. 1 LAN OLOBITOOOL 1 OWEN	JUIZU
	+	
	PLUMBING	
P00.01	PLUMBING LEGEND & ABBREVIATIONS	08/29/25
P00.02	PLUMBING SCHEDULE	08/29/25
P01.01A	UNDERFLR PLN-CLUBHSE & VISITORS DUGOUT-PLUMBIN	08/29/25
P02.01A	FLR PL -CLUBHOUSE &D VISITORS DUGOUT -PLUMBING	08/29/25
P04.01	PLUMBING RISERS	08/29/25
P05.01A	ROOF PLAN-CLUBHOUSE & VISITORS DUGOUT -PLUMBIN	08/29/25
P06.01	PLUMBING DETAILS	08/29/25
		J. 20, 20
	<del> </del>	
	TECHNOLOGY	
T00.00	TECHNOLOGY -INDEX SHEET	09/16/25

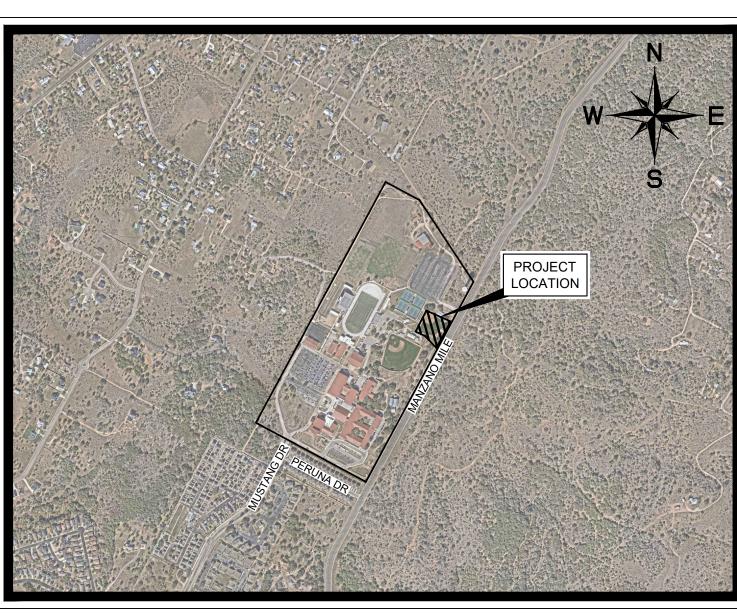
Sheet		Current
Number	INDEX OF DRAWINGS	Date
T01.00	TECHNOLOGY -CAMPUS SITE PLAN	08/29/25
T02.01A	TECHFLOOR PLAN -CLUBHOUSE & VISITORS DUGOUT	08/29/25
T04.00	TECHNOLOGY -ENLARGEMENTS	08/29/25
T05.00	TECHNOLOGY -DETAILS	08/29/25
T05.01	TECHNOLOGY -DETAILS	08/29/25
T05.02	TECHNOLOGY -DETAILS	08/29/25
T06.00	TECHNOLOGY -SECURITY DETAILS	08/29/25
T06.01	TECHNOLOGY -SECURITY DETAILS	08/29/25
T06.02	TECHNOLOGY -SECURITY DETAILS	09/16/25
T07.00	TECHNOLOGY -AV DETAILS	08/29/25
T07.01	TECHNOLOGY -AV DETAILS	08/29/25
	CIVIL	
C0.00	COVER SHEET	09/16/25
C0.00	COVER SHEET (SOFTBALL)	10/03/25
C0.10	CITY OF MARBLE FALLS NOTES	09/16/25
C0.10	CITY OF MARBLE FALLS NOTES (SOFTBALL)	10/03/25
C0.20	KIMLEY-HORN GENERAL NOTES	09/16/25
C0.20	KIMLEY-HORN GENERAL NOTES (SOFTBALL)	10/03/25
C1.00	EXISTING CONDITIONS AND DEMOLITION PLAN	09/16/25
C1.00	EXISTING CONDITIONS AND DEMOLITION PLAN (SOFTBAL	10/03/25
C2.00	EROSION CONTROL PLAN	09/16/25
C2.00	EROSION CONTROL PLAN (SOFTBALL)	10/03/25
C3.00	OVERALL SITE PLAN	09/16/25
C3.00	OVERALL SITE PLAN (SOFTBALL)	10/03/25
C3.10	DIMENSION CONTROL PLAN	09/16/25
C4.00	GRADING PLAN	09/16/25
C4.00	GRADING PLAN (SOFTBALL)	10/03/25
C5.00	EXISTING DRAINAGE AREA MAP	09/16/25
C5.00	EXISTING DRAINAGE AREA MAP (SOFTBALL)	10/03/25
C5.10	PROPOSED DRAINAGE AREA MAP	09/16/25
C5.10	PROPOSED DRAINAGE AREA MAP (SOFTBALL)	10/03/25
C6.00	POND PLAN	09/16/25
C6.00	POND PLAN (SOFTBALL)	10/03/25
C6.10	POND DETAILS	09/16/25
C6.10	POND DETAILS (SOFTBALL)	10/03/25
C7.00	STORM PLAN	09/16/25
C7.00	STORM PLAN (SOFTBALL)	10/03/25
C7.01	EROSION CONTROL DETAILS (2 OF 2) (SOFTBALL)	10/03/25
C8.00	WASTEWATER PLAN	09/16/25
C8.10	WATER PLAN	09/16/25
C8.20	DRY UTILITY PLAN	09/16/25
C9.00	EROSION CONTROL DETAILS (1 OF 2)	09/16/25
C9.01	EROSION CONTROL DETAILS (2 OF 2)	09/16/25
C9.10	SITE DETAILS	09/16/25
C9.20	STORM DETAILS	09/16/25
C9.30	UTILITY DETAILS (1 OF 2)	09/16/25
C9.31	UTILITY DETAILS (2 OF 2)	09/16/25
PF1	LAYOUT AND MATERIALS (SOFTBALL)	09/16/25
PF1	LAYOUT AND MATERIALS (SOFTBALL)	10/03/25
PF2 PF2	GRADING GRADING (SOFTBALL)	09/16/25 10/03/25
PF2 PF3	SUBDRAINAGE	09/16/25
PF3	SUBDRAINAGE (SOFTBALL)	10/03/25
113	CODDIVUINAGE (OOI LIDALE)	10/03/23

Sheet		Current
Number	INDEX OF DRAWINGS	Date
PF4	DETAILS	09/16/25
PF4	DETAILS (SOFTBALL)	10/03/25
PF5	DETAILS	09/16/25
PF5	DETAILS (SOFTBALL)	10/03/25
PF6	DETAILS	09/16/25
PF6	DETAILS (SOFTBALL)	10/03/25
PF7	CUTSHEETS	09/16/25
PF8	CUTSHEETS	09/16/25

# CIVIL SITE DEVELOPMENT PLANS FOR

# MFHS SOFTBALL FIELD

2101 MUSTANG DR, MARBLE FALLS, TX 78654



**VICINITY MAP** 

OCTOBER 2025

# SHEET INDEX

Sheet Number	Sheet Title
C0.00	COVER SHEET
C0.10	MARBLE FALLS NOTES
C0.20	KH NOTES
C1.00	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.00	EROSION CONTROL PLAN
C3.00	OVERALL SITE PLAN
C4.00	GRADING PLAN
C5.00	EXISTING DRAINAGE AREA MAP
C5.10	PROPOSED DRAINAGE AREA MAP
C6.00	POND PLAN
C6.10	POND DETAILS
C7.00	EROSION CONTROL DETAILS (1 OF 2)
C7.01	EROSION CONTROL DETAILS (2 OF 2)
PF1	PLAYING FIELD LAYOUT AND MATERIALS
PF2	PLAYING FIELD GRADING
PF3	PLAYING FIELD SUBDRAINAGE
PF4	PLAYING FIELD DETAILS
PF5	PLAYING FIELD DETAILS
PF6	PLAYING FIELD CUTSHEETS

MFSID, MACKIE PRICE 1800 COLT CIRCLE

ARCHITECT PFLUGER, ANNE KING 209 E. RIVERSIDE DRIVE AUSTIN, TX 78704 PH. (512) 476-4040

MARBLE FALLS, TEXAS 78654

KIMLEY HORN, MICHAEL MONTGOMERY CAMPUS IV, 10814 JOLLYVILLE RD SUITE 200 AUSTIN ,TX 78759 PH. (512) 886-4146

PLAYING FIELD KIMLEY HORN, SEAN RAY 805 PENNSYLVANIA AVE SUITE 150 KANSAS CITY, MO 64105 PH. (816) 319-2182 <u>GEOTECH</u> RABA KISTNER, INC.

8100 CAMERON ROAD, STE.B-150 AUSTIN, TEXAS 78754 PH. (512) 339-1745

LISTS OF CONTACTS:

MARBLE FALLS, TX 78654

<u>CABLE</u> NORTHLAND COMMUNICATIONS <u>TELEPHONE</u> NORTHLAND COMMUNICATIONS MARBLE FALLS, TX 78654 MARBLE FALLS, TX 78654 PH. (830) 693-7500 PH. (830) 693-7500

PH. (830) 798-6260 ATMOS ENERGY 3110 I-35

CITY OF MARBLE FALLS

MARBLE FALLS, TX 78654

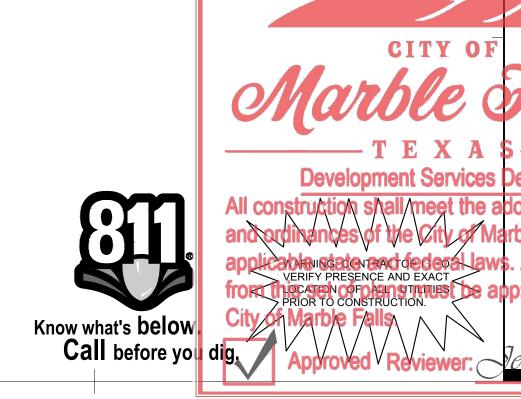
606 AVE. NORTH

FIRE MARSHAL'S OFFICE 700 AVENUE N MARBLE FALLS, TX 78654 PH. (830) 639-4060

ELECTRIC
PEDERNALES ELECTRIC COOPERATIVE 4302 N, US-281 MARBLE FALLS, TEXAS 78654 ROUND ROCK, TEXAS 78681

PH. (888) 286-6700

AUSTIN, TEXAS 78744 CERTIFICATE OF REGISTRATION #928



#### CITY OF MARBLE FALLS **GENERAL CONSTRUCTION NOTES** Revised November 13, 2023

1. ALL CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE FOLLOWING REGULATIONS AND SPECIFICATIONS. THE FIRST LISTED WILL HAVE PRIORITY OVER THOSE LISTED BELOW: PERMITS ISSUED FOR PROJECT BY ANY REGULATORY AGENCIES. TEXAS COMMISSION ON ENVIRONMENTAL QUALITY REGULATIONS.

CITY OF MARBLE FALLS CONSTRUCTION STANDARDS. PLANS FOR THIS PROJECT. 2. PRIOR TO THE BEGINNING OF CONSTRUCTION, THE DEVELOPER SHALL ARRANGE A

CITY OF MARBLE FALLS STAFF INCLUDING THE DIRECTOR OF PUBLIC WORKS, CITY ENGINEER AND THE PUBLIC WORKS INSPECTOR.

PRE-CONSTRUCTION CONFERENCE AT THE CITY OF MARBLE FALLS. REPRESENTATIVES FROM

DESIGN ENGINEER. ELECTRIC, GAS, PHONE AND CABLE UTILITY REPRESENTATIVES, IF APPROPRIATE. 3. PRIOR TO THE BEGINNING OF CONSTRUCTION, ALL PLAN REVIEW AND CONSTRUCTION INSPECTION FEES SHALL BE PAID TO THE CITY OF MARBLE FALLS AND THE FOLLOWING PERMITS SHALL BE IN

TEXAS DEPARTMENT OF TRANSPORTATION, ENTRY ONTO A HIGHWAY. U.S. CORPS OF ENGINEERS, SECTION 404, FOR CONSTRUCTION IN COMPLIANCE WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES) CONSTRUCTION GENERAL PERMIT

TEXAS DEPARTMENT OF LICENSING AND REGULATION FOR ACCESSIBILITY. TCEQ FOR SIGNIFICANT WATER AND WASTEWATER FACILITIES, INCLUDING LIFT STATIONS. 4. BENCHMARKS FOR THIS PROJECT ARE DESCRIBED AS FOLLOWS:

101,10182364.398,2951332.766,996.16,BM 102,10182845.561,2952432.673,990.03,BM 103,10183199.322,2952001.674,994.79,BM

THE FOLLOWING ORGANIZATIONS SHALL BE INVITED:

Basis of bearings is the Texas Coordinate System of 1983, Central Zone (4203). All coordinates and distances shown hereon are GRID values.

Vertical Datum is based on the North American Vertical Datum of 1988 (NAVD 88), Geoid 18.

5. THE STREET PAVEMENT THICKNESS IS BASED ON A REPORT BY \_\_\_\_, 20\_\_\_ WHICH RECOMMENDS THE FOLLOWING STREET SECTIONS.

STREET STREET LIME STABILIZATION BASE HOT MIX CLASSIFICATION WIDTH OF SUBGRADE THICKNESS ASPHALT

6. ANY EXISTING PAVEMENT, CURBS, AND/OR SIDEWALKS DAMAGED OR REMOVED SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE BEFORE ACCEPTANCE OF THE SUBDIVISION.

7. THE CONTRACTOR SHALL GIVE THE CITY OF MARBLE FALLS (PHONE NO. 830-798-6260), 48 HOURS NOTICE PRIOR TO CONNECTING TO ANY EXISTING CITY UTILITY LINE.

8. SIDEWALKS FRONTING PUBLIC RIGHT-OF-WAY LAND OR INCLUDING ALL SIDEWALK RAMPS REQUIRED BY CITY ORDINANCE SHOWN ON THESE PLANS SHALL BE CONSTRUCTED WITH THIS

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WARNING AND SAFETY SIGNS, BARRICADES AND TRAFFIC CONTROL DURING CONSTRUCTION. ALL ROAD SIGNAGE SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

10. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE CITY OF MARBLE FALLS FOR THE USE

OF ALL WATER FOR CONSTRUCTION. 11. ALL FILL OR CUT ON LOTS WHICH IS GREATER THAN TWELVE (12) INCHES SHALL BE SHOWN ON THE PLANS AND SHALL CONFORM TO THE FOLLOWING:

FILL MATERIAL SHALL NOT CONTAIN ANY ROCKS HAVING A MAXIMUM DIMENSION GREATER THAN FOUR (4) INCHES.

FILL MATERIAL SHALL HAVE AT LEAST FIFTY PERCENT (50%) PASSING THE NO. 4 SIEVE. FILL MATERIAL SHALL BE REASONABLY FREE OF ROOTS, TRASH, CONCRETE RUBBLE AND OTHER ORGANIC MATERIAL. COMPACTION SHALL BE TO NINETY-FIVE PERCENT (95%) OF MAXIMUM LABORATORY DENSITY

DETERMINED IN ACCORDANCE WITH THE ASTM D 698. THE MATERIAL SHALL BE WITHIN THREE

(3) PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT DURING COMPACTION. PLACEMENT SHALL BE IN LIFTS NOT EXCEEDING SIX (6) INCHES AFTER COMPACTION. EACH COMPACTED LIFT SHOULD BE INSPECTED AND/OR TESTED FOR DENSITY COMPLIANCE BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING THE NEXT LIFT. THE FILL AREA SHOULD EXTEND AT LEAST 18 INCHES (36 INCHES ON FILLS OVER SIX (6) FEET IN HEIGHT) BEYOND THE BACK OF CURB OR FOUNDATION LINE BEFORE SLOPING DOWNWARD NO MORE THAN THREE (3) TO ONE (1) SLOPE TO NATURAL SOIL. BACKSLOPES SHALL BE WELL COMPACTED. MAXIMUM FILL HEIGHTS SHOULD NOT EXCEED TEN (10) FEET WITHOUT ENGINEERING CONSULTATION.

12. THE CONTRACTOR SHALL GIVE THE CITY INSPECTOR 36 BUSINESS HOURS NOTICE OF THE NEED FOR MATERIALS TESTING. ALL TESTING WILL BE ARRANGED AND PAID FOR BY THE CONTRACTOR. THE CITY SHALL RECEIVE A COPY OF TEST RESULTS.

13. THE CONTRACTOR OR THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND CUT SHEETS FOR PIPELINES LAID ON GRADE AND ROAD CONSTRUCTION. CUT SHEETS SHALL BE DELIVERED TO THE CITY INSPECTOR 36 BUSINESS HOURS PRIOR TO

AND HEALTH ADMINISTRATION REGULATIONS. ALL TRENCHES OVER 5 FEET IN DEPTH IN EITHER HARD AND STABLE OR SOFT AND UNSTABLE SOIL SHALL BE SLOPED. SHORED. SHEETED. BRACED OR OTHERWISE SUPPORTED. FURTHERMORE. ALL TRENCHES LESS THAN 5 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED. TRENCH SAFETY SYSTEMS TO BE UTILIZED FOR THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR.

14. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATIONAL SAFETY

IN ACCORDANCE WITH THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS. WHEN EMPLOYEES ARE REQUIRED TO BE IN TRENCHES 4 FEET DEEP OR MORE. ADEQUATE MEANS OF EXIT, SUCH AS A LADDER OR STEPS, MUST BE PROVIDED AND LOCATED SO

15. NO TREES OVER 12 INCHES IN DIAMETER SHALL BE REMOVED UNLESS DESIGNATED TO BE REMOVED ON THE APPROVED PLANS. ALL TREE LIMBS REMOVED OR TRIMMED SHALL BE

AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL.

VERTICALLY CUT AND DRESSED. 16. ALL CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO PROPERTY OWNED BY THE DEVELOPER OR PUBLIC RIGHT-OF-WAY AND EASEMENT UNLESS WRITTEN PERMISSION IS OBTAINED BY THE CONTRACTOR FROM THE PROPERTY OWNER AFFECTED.

17. BLASTING WITHIN THE CITY LIMITS IS PERMITTED AS APPROVED BY THE FIRE MARSHAL AND PUBLIC WORKS DEPARTMENT.

# TYPICAL SEQUENCE OF CONSTRUCTION

1. HOLD PRE-CONSTRUCTION CONFERENCE.

2. NO CLEARING OR ROUGH GRADING MAY BE DONE UNTIL THE APPROVED EROSION AND SEDIMENTATION CONTROLS ARE IN PLACE.

3. INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND STABILIZATION CONSTRUCTION ENTRANCE, IF REQUIRED, IN THE APPROVED PLANS.

4. ROUGH GRADE STREETS.

5. INSTALL ALL UTILITIES AS APPROVED IN PLANS.

6. RE-GRADE AND COMPACT SUBGRADE. MEET WITH CITY INSPECTOR AND/DESIGN ENGINEER TO DETERMINE AREAS OF DIFFERING STREET SECTION THICKNESS OR SUBGRADE PREPARATION IF CALLED FOR IN THE GEOTECHNICAL REPORT.

7. ENSURE ALL UNDERGROUND UTILITY CROSSINGS ARE IN PLACE INCLUDING SLEEVES FOR DRY UTILITIES AND INSTALL FIRST COURSE OF BASE.

8. INSTALL CURBS, RIP-RAP AND MISCELLANEOUS CONCRETE.

9. INSTALL SECOND COURSE OF BASE.

LAY ASPHALT. 11. FINAL GRADE ANY DITCHES AND PARKWAYS.

12. REVEGETATE ALL DISTURBED AREAS. DISPOSE OF SPOIL IN AN APPROVED MANNER.

13. SCHEDULE A FINAL INSPECTION WITH THE CITY.

14. AFTER THE ACCEPTANCE OF CONSTRUCTION, TEMPORARY EROSION CONTROLS MAY BE

MINIMUM CRITERIA FOR ACCEPTANCE

1. ALL CONSTRUCTION IS COMPLETE INCLUDING DRY UTILITIES AND RESTORATION TO THE CRITERIA. 2. ALL RECORDS OF CONSTRUCTION TESTING AND RECORD DRAWINGS SHOWING ANY CHANGES DURING CONSTRUCTION PROVIDED TO THE CITY OF MARBLE FALLS. 3. PROVIDE A DIGITAL COPY AND TWO (2) PRINTED COPIES OF THE STAMPED AS-BUILTS.

 FINAL PUNCHLIST ITEMS COMPLETED. 5. SIGNED AND SEALED ENGINEER'S CONCURRENCE LETTER.

6. FINAL COST AND QUANTITIES FOR PUBLIC IMPROVEMENTS.

7. ALL CITY OF MARBLE FALLS FEES PAID AND MAINTENANCE BOND POSTED.

8. ALL STREET LIGHTING, SIGNS AND PAVEMENT MARKINGS SHALL BE IN PLACE.

WATER AND WASTEWATER NOTES

1. PIPE MATERIAL FOR WATER MAINS SHALL BE PVC (AWWA C-900, DR-14) OR DUCTILE IRON (AWWA C-151, CLASS 350). 2. PIPE BEDDING FOR PRESSURE RATED WATER PIPE (AWWA C-900, DR-14 PVC OR AWWA C-151. CLASS 350 DUCTILE IRON) SHALL BE MANUFACTURED SAND AND CONFORM TO ASTM C-33 FINE AGGREGATE GRADATION. MATERIAL SHALL BE HOMOGENOUS AND COMPOSED MAINLY OF GRANULAR MINERAL MATTER AND BE FREE OF MUD, SILT, CLAY LUMPS OR CLODS, VEGETATION

3. PIPE MATERIAL FOR GRAVITY SEWER SHALL BE SDR-26 PVC IF LOCATED GREATER THAN 9 FEET FROM A WATERLINE, OTHERWISE SHALL BE PRESSURE RATED PIPE.

4. PIPE BEDDING FOR FLEXIBLE GRAVITY PIPE (SDR-26 PVC) SHALL BE 1/4" TO 1/2" CLEAN GRAVEL OR

CRUSHED LIMESTONE AND CONFORM TO ASTM C-33 COARSE AGGREGATE GRADATION. 5. THE CITY INSPECTOR SHALL OBSERVE ALL TAPS TO CITY UTILITY LINES AND PRIOR TO ANY UTILITY

6. THE CONTRACTOR SHALL DISINFECT AND PRESSURE TEST ALL WATER LINES AND PERFORM LEAK AND DEFLECTION TESTS ON GRAVITY WASTEWATER LINES AT THEIR EXPENSE.

7. THE CITY INSPECTOR SHALL BE NOTIFIED 36 HOURS PRIOR TO ALL UTILITY LINE TESTING. THE CONTRACTOR, WITH CITY STAFF PRESENT, IS RESPONSIBLE FOR SAMPLING AND TRANSPORTING BACTERIOLOGICAL TEST SAMPLES TO THE STATE DEPARTMENT OF HEALTH, OR ANY NELAP CERTIFIED LAB. ALL TEST RESULTS, WHETHER PASSING OR FAILING, SHALL BE PROVIDED TO THE CONTRACTOR. MANDREL DEFLECTION TESTING SHALL NOT BE CONDUCTED UNTIL THE PIPES HAVE BEEN BACKFILLED FOR 30 DAYS.

8. FIRE HYDRANTS SHALL BE MUELLER CENTURION OR CLOW MEDALLION. ALL HYDRANTS THAT ARE INSTALLED AS PUBLIC IMPROVEMENTS SHALL BE PAINTED RED.

9. THE CONTRACTOR SHALL SUBMIT TO THE DESIGN ENGINEER, DESCRIPTIVE INFORMATION FOR MATERIALS TO BE USED ON THE PROJECT FOR REVIEW. A COPY OF THE ACCEPTED MATERIAL SHALL ALSO BE PROVIDED TO THE CITY OF MARBLE FALLS TEN (10) DAYS PRIOR TO THE

10. PRESSURE TAPS SHALL BE IN ACCORDANCE WITH THE CITY OF MARBLE FALLS. THE CONTRACTOR SHALL DO ALL EXCAVATION ETC., AND SHALL FURNISH, INSTALL AND AIR TEST THE SLEEVE AND VALVE. A CITY OF MARBLE FALLS INSPECTOR MUST BE PRESENT WHEN TAP IS MADE. "SIZE ON SIZE" TAPS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE DIRECTOR OF PUBLIC WORKS. CONCRETE BLOCKING SHALL BE PLACED BEHIND AND UNDER ALL TAP SLEEVES TWENTY-FOUR (24) HOURS PRIOR TO MAKING THE WET TAP.

11. THE CONTRACTOR MUST CALL "TEXAS 811" (PHONE NO. 811) FOR LOCATION OF CITY UTILITIES. 12. 200 PSI MUNICIPEX TUBING SHALL BE USED ON ALL WATER SERVICES.

13. ALL MANHOLES SHALL BE INTERNALLY COATED WITH RAVEN LINING SYSTEMS OR SPRAYROQ, INCLUDING THE TIE-IN MANHOLE, UNLESS WAIVED BY THE DIRECTOR OF PUBLIC WORKS.

1. THE CONTRACTOR SHALL PROVIDE COMPACTED FLEXIBLE BASE PAVEMENT PRIOR TO CONSTRUCTION OF COMBUSTIBLE MATERIALS AS AN "ALL WEATHER DRIVING SURFACE."

2. HYDRANTS MUST BE INSTALLED WITH THE CENTER OF THE 4 ½ INCH OPENING AT LEAST EIGHTEEN (18) INCHES ABOVE FINISHED GRADE. THE 4 ½ INCH OPENING MUST FACE THE DRIVEWAY OR STREET WITH 3' - 6" SETBACK FROM CURBLINE(S). NO OBSERVATION IS ALLOWED WITHIN THREE (3) FEET OF ANY HYDRANT AND THE 4 ½ INCH OPENING MUST BE TOTALLY UNOBSTRUCTED FROM THE STREET (USE NST THREADS).

3. DESIGNATE NO PARKING - FIRE LANE WITH CURB PAINTED RED AND WHITE STENCIL IN "FIRE ZONE / TOW AWAY ZONE" IN LETTERING 3 INCHES IN HEIGHT IN PROXIMITY TO COMMERCIAL, INDUSTRIAL AND PUBLIC STRUCTURES.

EROSION AND SEDIMENTATION CONTROL

AFTER THE PRECONSTRUCTION MEETING IS HELD, THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND FENCING FOR AREAS OUTSIDE OF THE CONSTRUCTION AREA PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).

2. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS, AND AFTER SIGNIFICANT RAINFALL EVENTS TO ENSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES.

PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED. ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL

4. FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE CITY INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL

5. PERMANENT EROSION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW:

A. A MINIMUM OF FOUR (4) INCHES OF TOPSOIL SHALL BE PLACED IN ALL DRAINAGE CHANNELS (EXCEPT ROCK), AND BETWEEN THE CURB AND RIGHT-OF-WAY.

B. THE SEEDING FOR PERMANENT EROSION CONTROL SHALL BE APPLIED OVER AREAS DISTURBED BY CONSTRUCTION AS FOLLOWS: BROADCAST SEEDING:

(I) FROM OCTOBER TO FEBRUARY, SEEDING SHALL BE WITH ONE (1) POUND PER 1,000 SQUARE FEET OF UNHULLED BERMUDA OR THREE (3) POUNDS PER 1,000 SQUARE FEET OF WINTER RYE. (II) FROM MARCH TO SEPTEMBER, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF ONE (1) POUND PER 1.000 SQUARE FEET.

HAVE AN ANALYSIS OF 15-15-15. AND SHALL BE APPLIED AT THE RATE OF ONE (1) POUND PER 1,000 SQUARE FEET, ONCE AT THE TIME OF PLANTING, AND AGAIN ONCE DURING THE TIME OF

FERTILIZER IF USED SHALL BE SLOW RELEASE GRANULAR OR PALETTE TYPE AND SHALL

THE MULCH TYPE USED SHALL BE STRAW OR HAY APPLIED AT A RATE OF 45 POUNDS PER 1,000 SQUARE FEET.

HYDRAULIC SEEDING:

(I) FROM OCTOBER TO FEBRUARY, SEEDING SHALL BE WITH ONE (1) POUND PER 1.000 SQUARE FEET OF UNHULLED BERMUDA, OR THREE (3) POUNDS PER 1,000 SQUARE FEET OF WINTER

(II) FROM MARCH TO SEPTEMBER, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF ONE (1) POUND PER 1,000 SQUARE FEET. FERTILIZER, IF USED, SHALL BE A WATER-SOLUBLE FERTILIZER WITH AN ANALYSIS OF 15-15-15 AT A RATE OF 1.5 POUNDS PER 1,000 SQUARE FEET.

MULCH TYPE SHALL BE HAY. STRAW OR MULCH APPLIED AT A RATE OF 45 POUNDS PER 1.000 SQUARE FEET, WITH A SOIL TACKIFIER AT A RATE OF 1.4 POUNDS PER 1,000 SQUARE FEET. C. THE PLANTED AREA SHALL BE IRRIGATED OR SPRINKLED IN A MANNER THAT WILL NOT ERODE THE TOPSOIL BUT WILL SUFFICIENTLY SOAK TO A DEPTH OF SIX (6) INCHES. THE IRRIGATION SHALL OCCUR AT 10-DAY INTERVALS DURING THE FIRST TWO (2) MONTHS. RAINFALL

OCCURRENCES OF ½ INCH OR MORE SHALL POSTPONE THE WATERING SCHEDULE FOR TEN

D. RESTORATION SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 INCH HIGH WITH 85% COVERAGE, PROVIDED NO BARE SPOTS LARGER THAN 20 SQUARE FEET EXIST.

A SOIL RETENTION BLANKET SHALL BE PLACED ON ALL SLOPES EQUAL TO OR GREATER THAN 3:1. ALL SOIL RETENTION BLANKETS MUST BE LISTED ON THE TXDOT APPROVED PRODUCTS

DEVELOPER INFORMATION: OWNER: MFISD, MACKIE PRICE REPRESENTATIVE: DESIGN ENGINEER: REPRESENTATIVE RESPONSIBLE FOR PLAN CHANGES. NAME: <u>LEXIE ENGLAND</u>

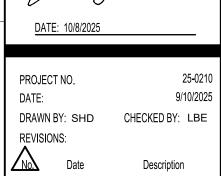
LIST OR APPROVED BY THE CITY.

CITY OF MARBLE FALLS:

DIRECTOR OF PUBLIC WORKS: JAMES KENNEDY (830) 798-6260

CITY ENGINEER: JEFF PRATO, P.E. (830) 262-0232

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. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY (OR TOWN) STANDARD DETAILS AND SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS THE CITY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS. THE MORE RESTRICTIVE SPECIFICATION AND DETAIL SHALL BE FOLLOWED 2. THE CONTRACTOR SHALL COMPLY WITH CITY (OR TOWN) "GENERAL NOTES" FOR CONSTRUCTION, IF EXISTING AND REQUIRED BY THE CITY. FOR INSTANCES WHERE THEY CONFLICT WITH THESE KH GENERAL NOTES. THEN THE MORE RESTRICTIVE SHALL APPLY. 3. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE AUTHORITIES' SPECIFICATIONS AND REQUIREMENTS. 4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO DETERMINE EXISTING CONDITIONS

5. THE EXISTING CONDITIONS SHOWN ON THESE PLANS WERE PROVIDED BY THE TOPOGRAPHIC SURVEY PREPARED BY THE PROJECT SURVEYOR, AND ARE BASED ON THE BENCHMARKS SHOWN. THE CONTRACTOR SHALL REFERENCE THE SAME BENCHMARKS. 6. THE CONTRACTOR SHALL REVIEW AND VERIFY THE EXISTING TOPOGRAPHIC SURVEY SHOWN ON THE PLANS REPRESENTS EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION, AND SHALL REPORT ANY DISCREPANCIES FOUND TO THE OWNER AND ENGINEER 7. IF THE CONTRACTOR DOES NOT ACCEPT THE EXISTING TOPOGRAPHIC SURVEY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY AT THEIR OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED PROFESSIONAL LAND

SURVEYOR TO THE OWNER AND ENGINEER FOR REVIEW. 8 CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING AND STAKING 9. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL, INCLUDING BENCHMARKS PRIOR TO COMMENCING

CONSTRUCTION OR STAKING OF IMPROVEMENTS. PROPERTY LINES AND CORNERS SHALL BE HELD AS THE HORIZONTAL CONTROL. 10. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS. ELEVATIONS. AND FIELD CONDITIONS THAT MAY AFFECT. CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ARCHITECT, ENGINEER, AND IF APPLICABLE THE CITY AND OWNER, NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE CITY, ENGINEER, AND OWNER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM. 11.CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL. LANDSCAPE. MEP. ARCHITECTURAL. AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH

UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK TO HAVE THEM LOCATE THEIR EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AN ADEQUATE MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. 13. CONTRACTOR SHALL CALL TEXAS 811 AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION OR ANY EXCAVATION. 14 CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNKNOWN PUBLIC AND PRIVATE UTILITIES. 15. THE LOCATIONS, ELEVATIONS, DEPTH, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE UTILITY COMPANY MAPS AND PLANS. AND ARE CONSIDERED APPROXIMATE AND INCOMPLETE. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE PRESENCE, LOCATION, ELEVATION, DEPTH, AND DIMENSION OF EXISTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION SO THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE

12.IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL

16. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES THAT

ENGINEER SHALL BE NOTIFIED WHEN A PROPOSED IMPROVEMENT CONFLICTS WITH AN EXISTING UTILITY

26.CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.

27.CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.

SUBSEQUENT ADDENDA

CONFLICT WITH THE PROPOSED IMPROVEMENTS. INCLUDING BUT NOT LIMITED TO, ADJUSTING EXISTING MANHOLES TO MATCH PROPOSED GRADE, RELOCATING EXISTING POLES AND GUY WIRES THAT ARE LOCATED IN PROPOSED DRIVEWAYS, ADJUSTING THE HORIZONTAL OR VERTICAL ALIGNMENT OF EXISTING LINDERGROUND LITHLITIES TO ACCOMMODATE PROPOSED GRADE OR CROSSING WITH A PROPOSED UTILITY, AND ANY OTHERS THAT MAY BE ENCOUNTERED THAT ARE UNKNOWN AT THIS TIME AND NOT SHOWN ON 17. CONTRACTOR SHALL ARRANGE FOR OR PROVIDE, AT ITS EXPENSE, ALL GAS, TELECOMMUNICATIONS, CABLE, OVERHEAD AND UNDERGROUND POWER LINE, AND UTILITY POLE ADJUSTMENTS NEEDED. 18. CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF FRANCHISE UTILITIES THAT ARE NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION. AND SERVICE TO THE PROPOSED DEVELOPMENT 19. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTORS' FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED

OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED BY THE CONTRACTOR AND THEIR

PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK. 20.BRACING OF UTILITY POLES MAY BE REQUIRED BY THE UTILITY COMPANIES WHEN TRENCHING OR EXCAVATING IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR, WITH NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE PAY ITEM. 21.CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, FEDERAL AND UTILITY OWNER REGULATIONS PERTAINING TO WORK SETBACKS FROM POWER LINES. 22.THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO 23. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, GEOTECHNICAL REPORT AND ADDENDA, PROJECT AND CITY SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS 24.ALL SHOP DRAWINGS AND OTHER DOCUMENTS THAT REQUIRE ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, SO THAT NO LESS THAN 10 BUSINESS DAYS FOR REVIEW AND RESPONSE 25.ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO USE OF THE FACILITY AND THE FINAL CONNECTION OF SERVICES.

28.ALL SYMBOLS SHOWN ON THESE PLANS (E.G. FIRE HYDRANT, METERS, VALVES, INLETS, ETC....) ARE FOR PRESENTATION PURPOSES ONLY AND ARE NOT TO SCALE. CONTRACTOR SHALL COORDINATE FINAL SIZES AND LOCATIONS WITH APPROPRIATE CITY INSPECTOR. 29.THE SCOPE OF WORK FOR THE CIVIL IMPROVEMENTS SHOWN ON THESE PLANS TERMINATES 5-FEET FROM THE BUILDING. REFERENCE THE BUILDING PLANS (E.G. ARCHITECTURAL, STRUCTURAL, MEP) FOR AREAS WITHIN 5-FEET OF THE BUILDING AND WITHIN THE 30. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL FINAL BUILDING DIMENSIONS. 31. THE PROPOSED BUILDING FOOTPRINT(S) SHOWN IN THESE PLANS WAS PROVIDED TO KIMLEY-HORN AND ASSOCIATES, INC. (KH) BY THE d. OTHER REPORTS THAT ARE APPLICABLE AND AVAILABLE.

PROJECT ARCHITECT AT THE TIME THESE PLANS WERE PREPARED. IT MAY NOT BE THE FINAL CORRECT VERSION BECAUSE THE 5. CONTRACTOR SHALL CONTACT THE OWNER TO VERIFY WHETHER ADDITIONAL REPORTS OR AMENDMENTS TO THE ABOVE CITED BUILDING DESIGN WAS ONGOING. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFIRMING THE FINAL CORRECT VERSION OF THE REPORTS HAVE BEEN PREPARED AND TO OBTAIN/REVIEW/AND COMPLY WITH THE RECOMMENDATION OF SUCH STUDIES PRIOR TO BUILDING FOOTPRINT WITH THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO LAYOUT. DIMENSIONS AND/OR COORDINATES SHOWN ON THESE PLANS WERE BASED ON THE ABOVE STATED ARCHITECTURAL FOOTPRINT, AND ARE THEREFORE A PRELIMINARY LOCATION OF THE BUILDING. THE CONTRACTOR IS SOLELY RESPONSIBLE TO VERIFY WHAT PART OF THE BUILDING THE ARCHITECT'S FOOTPRINT REPRESENTS (E.G. SLAB, OUTSIDE WALL, MASONRY LEDGE, ETC.....) AND TO CONFIRM ITS FINAL POSITION ON THE SITE BASED ON THE FINAL ARCHITECTURAL FOOTPRINT, CIVIL DIMENSION CONTROL PLAN, SURVEY BOUNDARY AND/OR PLAT. ANY DIFFERENCES FOUND SHALL BE REPORTED TO KH IMMEDIATELY. 32.ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING

33.CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL

MATERIALS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND COMPLY WITH CITY STANDARD SPECIFICATIONS AND GEOTECHNICAL REPORT. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING MATERIALS. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR MATERIALS TESTING. 34.ALL COPIES OF MATERIALS TEST RESULTS SHALL BE SENT TO THE OWNER, ENGINEER AND ARCHITECT DIRECTLY FROM THE TESTING 35.IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE MATERIALS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS. 36 DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING. THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO

FLATWORK ADJACENT TO THE BUILDING. IF NONE IS CURRENTLY EXISTING 37.ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA. NO ENCROACHMENTS OUTSIDE OF THE WORK AREA WILL BE ALLOWED. ANY DAMAGE RESULTING THEREFROM SHALL BE CONTRACTOR'S SOLE RESPONSIBILITY TO REPAIR. 38. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, UTILITIES, MANHOLES, POLES, GUY WIRES, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, COMMUNICATION BOXES/PEDESTALS, AND OTHER FACILITIES TO REMAIN AND SHALL REPAIR ANY DAMAGES AT

39. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO: FENCES, WALLS, SIGNS, PAVEMENT, CURBS, UTILITIES, SIDEWALKS, GRASS, TREES, LANDSCAPING. AND IRRIGATION SYSTEMS. ETC.... TO ORIGINAL CONDITION OR BETTER AT NO COST TO THE OWNER. 40.ALL AREAS IN EXISTING RIGHT-OF-WAY DISTURBED BY SITE CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER, INCLUDING AS NECESSARY GRADING, LANDSCAPING, CULVERTS, AND PAVEMENT, 41.THE CONTRACTOR SHALL SALVAGE ALL EXISTING POWER POLES, SIGNS, WATER VALVES, FIRE HYDRANTS, METERS, ETC... THAT ARE TO BE RELOCATED DURING CONSTRUCTION. 42.CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES. 43.THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN. PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO

OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY.

44.THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.

45.SITE SAFETY IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR 46.THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK, THE ENGINEER'S SEAL HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF ALL REQUIRED SAFETY PROCEDURES AND PROGRAMS

47.SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS. 48.CONTRACTOR OFFICE AND STAGING AREA SHALL BE AGREED ON BY THE OWNER AND CONTRACTOR PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING REQUIREMENTS FOR THE CONSTRUCTION OFFICE, TRAILER, STORAGE, AND STAGING OPERATIONS AND LOCATIONS. 49.LIGHT POLES, SIGNS, AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN ACCESSIBLE ROUTES. 50.ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

51. TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED. GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING 52. CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED VALVES, FIRE HYDRANTS, AND OTHER UTILITY APPURTENANCES TO MATCH ACTUAL FINISHED GRADES AT THE TIME OF PAVING. 53. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING, AND SHALL CONTACT THE APPROPRIATE CITY OFFICIALS, INCLUDING BUILDING OFFICIAL, ENGINEERING INSPECTOR, AND FIRE MARSHALL TO LEARN OF ANY REQUIREMENTS. 54. CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE CITY OF A TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION. AND THEN THE IMPLEMENTATION OF THE PLAN. 55.CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION, INCLUDING ANY DEVIATIONS OR VARIANCES FROM

56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND CITY IDENTIFYING ALL DEVIATIONS

AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION. . THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS,

LAWS, AND ORDINANCES THAT APPLY TO THE CONSTRUCTION SITE LAND DISTURBANCE. 2. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE "TCEQ GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM TXR 150000" 3. EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START 4. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE 5. CONTRACTOR IS SOLELY RESPONSIBLE FOR INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL EROSION CONTROL DEVICES, BEST MANAGEMENT PRACTICES (BMPS), AND FOR UPDATING THE EROSION CONTROL PLAN DURING

10. CONTRACTOR SHALL OBSERVE THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND MAKE FIELD ADJUSTMENTS AND

MODIFICATIONS AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE. IF THE EROSION CONTROL DEVICES DO NOT

CONSTRUCTION AS FIELD CONDITIONS CHANGE. 6. CONTRACTOR SHALL DOCUMENT THE DATES OF INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL FOR EACH BMP EMPLOYED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE 7. AS STORM SEWER INLETS ARE INSTALLED ON-SITE, TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED AT EACH INLET PER 8. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN PERMANENTLY STABILIZED. 9 CONTRACTOR SHALL PROVIDE ADEQUATE FROSION CONTROL DEVICES NEEDED DUE TO PROJECT PHASING

EFFECTIVELY CONTROL EROSION AND PREVENT SEDIMENTATION FROM WASHING OFF THE SITE, THEN THE CONTRACTOR SHALL NOTIFY THE ENGINEER 1.OFF-SITE SOIL BORROW, SPOIL, AND STORAGE AREAS (IF APPLICABLE) ARE CONSIDERED AS PART OF THE PROJECT SITE AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS FOR THIS PROJECT. THIS INCLUDES THE INSTALLATION OF BMP'S TO CONTROL EROSION AND SEDIMENTATION AND THE ESTABLISHMENT OF PERMANENT GROUND COVER ON DISTURBED AREAS PRIOR TO FINAL APPROVAL OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE SWPPP AND EROSION CONTROL PLAN TO INCLUDE BMPS FOR ANY OFF-SITE THAT ARE NOT ANTICIPATED OR SHOWN ON THE EROSION CONTROL PLAN. 12. ALL STAGING, STOCKPILES, SPOIL, AND STORAGE SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER

QUALITY. PROTECTIVE MEASURES SHALL BE PROVIDED IF NEEDED TO ACCOMPLISH THIS REQUIREMENT, SUCH AS COVERING OR ENCIRCLING THE AREA WITH AN APPROPRIATE BARRIER. 13. CONTRACTORS SHALL INSPECT ALL EROSION CONTROL DEVICES. BMPS. DISTURBED AREAS, AND VEHICLE ENTRY AND EXIT AREAS. WEEKLY AND WITHIN 24 HOURS OF ALL RAINFALL EVENTS OF 0.5 INCHES OR GREATER. AND KEEP A RECORD OF THIS INSPECTION IN THE SWPPP BOOKLET IF APPLICABLE, TO VERIFY THAT THE DEVICES AND EROSION CONTROL PLAN ARE FUNCTIONING PROPERLY. 14. CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS IN ACCORDANCE WITH CITY SPECIFICATIONS. CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION TRAFFIC USES THE STABILIZED ENTRANCE AT ALL TIMES FOR ALL INGRESS/EGRESS. 5.SITE ENTRY AND EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING AND FLOWING OF SEDIMENT AND DIRT ONTO OFF-SITE ROADWAYS. ALL SEDIMENT AND DIRT FROM THE SITE THAT IS DEPOSITED ONTO AN OFF-SITE ROADWAY SHALL BE 16. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS FROM THE AFFECTED OFF-SITE ROADWAYS THAT ARE A

17. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO EXITING THE SITE, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP BMP. 18. CONTRACTOR SHALL INSTALL A TEMPORARY SEDIMENT BASIN FOR ANY ON-SITE DRAINAGE AREAS THAT ARE GREATER THAN 10 ACRES, PER TCEQ AND CITY STANDARDS. IF NO ENGINEERING DESIGN HAS BEEN PROVIDED FOR A SEDIMENTATION BASIN ON THESE

1. ALL PAVING MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, THE CITY STANDARD DETAILS AND PLANS. THEN THE CONTRACTOR SHALL ARRANGE FOR AN APPROPRIATE DESIGN TO BE PROVIDED 19. ALL FINES IMPOSED FOR SEDIMENT OR DIRT DISCHARGED FROM THE SITE SHALL BE PAID BY THE RESPONSIBLE CONTRACTOR. 20. WHEN SEDIMENT OR DIRT HAS CLOGGED THE CONSTRUCTION ENTRANCE VOID SPACES BETWEEN STONES OR DIRT IS BEING TRACKED.

ONTO A ROADWAY, THE AGGREGATE PAD MUST BE WASHED DOWN OR REPLACED. RUNOFF FROM THE WASH-DOWN OPERATION SHALL 2. ALL PRIVATE ON-SITE PAVING AND PAVING SUBGRADE SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BMP TO CONTROL SEDIMENTATION. PERIODIC RE-GRADING OR NEW STONE MAY BE REQUIRED TO MAINTAIN THE EFFECTIVENESS OF THE CONSTRUCTION ENTRANCE 21.TEMPORARY SEEDING OR OTHER APPROVED STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE OF ANY AREA, UNLESS ADDITIONAL CONSTRUCTION IN THE AREA IS EXPECTED WITHIN 21 DAYS OF THE LAST DISTURBANCE. 22.CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING CONSTRUCTION, ALWAYS CLEANING UP DIRT, LOOSE MATERIAL AND TRASH AS CONSTRUCTION PROGRESSES. 23.UPON COMPLETION OF FINE GRADING, ALL SURFACES OF DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED. STABILIZATION IS

ACHIEVED WHEN THE AREA IS EITHER COVERED BY PERMANENT IMPERVIOUS STRUCTURES, SUCH AS BUILDINGS, SIDEWALK, PAVEMENT. OR A UNIFORM PERENNIAL VEGETATIVE COVER. 24.AT THE CONCLUSION OF THE PROJECT, ALL INLETS, DRAIN PIPE, CHANNELS, DRAINAGEWAYS AND BORROW DITCHES AFFECTED BY THE CONSTRUCTION SHALL BE DREDGED, AND THE SEDIMENT GENERATED BY THE PROJECT SHALL BE REMOVED AND DISPOSED IN ACCORDANCE WITH APPLICABLE REGULATIONS.

CONTRACTOR SHALL COMPLY WITH ALL TCEQ AND EPA STORM WATER POLLUTION PREVENTION REQUIREMENTS. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE TCEQ GENERAL PERMIT TO DISCHARGE UNDER THE TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM TXR 150000. 3. THE CONTRACTOR SHALL ENSURE THAT ALL PRIMARY OPERATORS SUBMIT A NOI TO TCEQ AT LEAST SEVEN DAYS PRIOR TO

ALL PRIMARY OPERATORS SHALL PROVIDE A COPY OF THE SIGNED NOI TO THE OPERATOR OF ANY MS4 (TYPICALLY THE CITY)

COMMENCING CONSTRUCTION (IF APPLICABLE), OR IF UTILIZING ELECTRONIC SUBMITTAL, PRIOR TO COMMENCING CONSTRUCTION.

RECEIVING DISCHARGE FROM THE SITE. I. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IF APPLICABLE, INCLUDING POSTING SITE NOTICE, INSPECTIONS, DOCUMENTATION, AND SUBMISSION OF ANY INFORMATION REQUIRED BY THE TCEQ AND EPA (E.G. NOI). BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES. IF IT IS NECESSARY TO SHORE, BRACE, SWING 5. ALL CONTRACTORS AND SUBCONTRACTORS PROVIDING SERVICES RELATED TO THE SWPPP SHALL SIGN THE REQUIRED CONTRACTOR CERTIFICATION STATEMENT ACKNOWLEDGING THEIR RESPONSIBILITIES AS SPECIFIED IN THE SWPPP 6. A COPY OF THE SWPPP, INCLUDING NOI, SITE NOTICE, CONTRACTOR CERTIFICATIONS, AND ANY REVISIONS, SHALL BE SUBMITTED TO THE CITY BY THE CONTRACTOR AND SHALL BE RETAINED ON-SITE DURING CONSTRUCTION. . A NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED TO TCEQ BY ANY PRIMARY OPERATOR WITHIN 30 DAYS AFTER ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND A UNIFORM VEGETATIVE COVER HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY STRUCTURES, A TRANSFER OF OPERATIONAL CONTROL HAS OCCURRED, OR THE

OPERATOR HAS OBTAINED ALTERNATIVE AUTHORIZATION UNDER A DIFFERENT PERMIT. A COPY OF THE NOT SHALL BE PROVIDED TO

THE OPERATOR OF ANY MS4 RECEIVING DISCHARGE FROM THE SITE.

a. ENVIRONMENTAL SITE ASSESSMENT PROVIDED BY THE OWNER

FOUNDATIONS OR WALLS, THAT ARE ALSO TO BE REMOVED.

1. KH IS NOT RESPONSIBLE FOR THE MEANS AND METHODS EMPLOYED BY THE CONTRACTOR TO IMPLEMENT THIS DEMOLITION PLAN. THIS PRELIMINARY DEMOLITION PLAN SIMPLY INDICATES THE KNOWN OBJECTS ON THE SUBJECT TRACT THAT ARE TO BE DEMOLISHED AND REMOVED FROM THE SITE 2. KH DOES NOT WARRANT OR REPRESENT THAT THE PLAN, WHICH WAS PREPARED BASED ON SURVEY AND UTILITY INFORMATION PROVIDED BY OTHERS, SHOWS ALL IMPROVEMENTS AND UTILITIES, THAT THE IMPROVEMENTS AND UTILITIES ARE SHOWN ACCURATELY, OR THAT THE UTILITIES SHOWN CAN BE REMOVED. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ITS OWN SITE RECONNAISSANCE TO SCOPE ITS WORK AND TO CONFIRM WITH THE OWNERS OF IMPROVEMENTS AND UTILITIES THE ABILITY AND PROCESS FOR THE REMOVAL OF THEIR FACILITIES. THIS PLAN IS INTENDED TO GIVE A GENERAL GUIDE TO THE CONTRACTOR. NOTHING MORE. THE GOAL OF THE DEMOLITION IS TO LEAVE THE SITE IN A STATE SUITABLE FOR THE CONSTRUCTION OF THE PROPOSED DEVELOPMENT. REMOVAL OR PRESERVATION OF IMPROVEMENTS, UTILITIES, ETC. TO ACCOMPLISH THIS GOAL ARE THE RESPONSIBILITY OF THE CONTRACTOR. 4. CONTRACTOR IS STRONGLY CAUTIONED TO REVIEW THE FOLLOWING REPORTS DESCRIBING SITE CONDITIONS PRIOR TO BIDDING AND IMPLEMENTING THE DEMOLITION PLAN:

b. ASBESTOS BUILDING INSPECTION REPORT(S) PROVIDED BY THE OWNER, c. GEOTECHNICAL REPORT PROVIDED BY THE OWNER STARTING ANY WORK ON THE SITE. 6 CONTRACTOR SHALL COMPLY WITH ALL LOCAL STATE AND FEDERAL REGULATIONS REGARDING THE DEMOLITION OF OBJECTS ON THE SITE AND THE DISPOSAL OF THE DEMOLISHED MATERIALS OFF-SITE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO REVIEW THE SITE, DETERMINE THE APPLICABLE REGULATIONS, RECEIVE THE REQUIRED PERMITS AND AUTHORIZATIONS, AND COMPLY. 7. KH DOES NOT REPRESENT THAT THE REPORTS AND SURVEYS REFERENCED ABOVE ARE ACCURATE, COMPLETE, OR COMPREHENSIVE SHOWING ALL ITEMS THAT WILL NEED TO BE DEMOLISHED AND REMOVED. 8. SURFACE PAVEMENT INDICATED MAY OVERLAY OTHER HIDDEN STRUCTURES, SUCH AS ADDITIONAL LAYERS OF PAVEMENT,

THE CONTRACTOR AND GRADING SUBCONTRACTOR SHALL VERIFY THE SUITABILITY OF EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION. THE CIVIL ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY B. UNLESS OTHERWISE NOTED, PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREA REFLECT TOP OF PAVEMENT

SURFACE. IN LOCATIONS ALONG A CURB LINE, ADD 6-INCHES (OR THE HEIGHT OF THE CURB) TO THE PAVING GRADE FOR TOP OF CURB

FI EVATION 4 PROPOSED SPOT FLEVATIONS AND CONTOURS OUTSIDE THE PAVEMENT ARE TO TOP OF FINISHED GRADE 5. PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF 6. ALL FINISHED GRADES SHALL TRANSITION UNIFORMLY BETWEEN THE FINISHED ELEVATIONS SHOWN. CONTOURS AND SPOT GRADES SHOWN ARE ELEVATIONS OF TOP OF THE FINISHED SURFACE. WHEN PERFORMING THE GRADING OPERATIONS. THE CONTRACTOR SHALL PROVIDE AN APPROPRIATE ELEVATION HOLD-DOWN ALLOWANCE FOR THE THICKNESS OF PAVEMENT, SIDEWALK, TOPSOIL, MULCH, STONE, LANDSCAPING, RIP-RAP AND ALL OTHER SURFACE MATERIALS THAT WILL CONTRIBUTE TO THE TOP OF FINISHED GRADE. FOR EXAMPLE, THE LIMITS OF EARTHWORK IN PAVED AREAS IS THE BOTTOM OF THE 8. NO REPRESENTATIONS OF EARTHWORK QUANTITIES OR SITE BALANCE ARE MADE BY THESE PLANS. THE CONTRACTOR SHALL PROVIDE THEIR OWN EARTHWORK CALCULATION TO DETERMINE THEIR CONTRACT QUANTITIES AND COST. ANY SIGNIFICANT VARIANCE FROM A BALANCED SITE SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CIVIL ENGINEER.

9. ALL GRADING AND EARTHWORK SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING SUBSEQUENT ADDENDA 10. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE REMOVED FROM THE SITE AND APPROPRIATELY DISPOSED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE. 1.EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF GRADING. REFERENCE EROSION CONTROL PLAN, DETAILS, GENERAL NOTES, AND SWPPP FOR ADDITIONAL INFORMATION AND REQUIREMENTS. 12.BEFORE ANY EARTHWORK IS PERFORMED. THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF THE PROJECT'S PROPERTY LINE AND SITE IMPROVEMENTS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK 13. CONTRACTOR TO DISPOSE OF ALL EXCESS EXCAVATION MATERIALS IN A MANNER THAT ADHERES TO LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL KEEP A RECORD OF WHERE EXCESS EXCAVATION WAS DISPOSED, ALONG WITH THE RECEIVING LANDOWNER'S APPROVAL TO DO SO 14.CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF TOPSOIL AT THE COMPLETION OF FINE GRADING. CONTRACTOR SHALL REFER TO LANDSCAPE ARCHITECTURE PLANS FOR SPECIFICATIONS AND REQUIREMENTS FOR TOPSOIL. 15. CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION, INCLUDING MAINTAINING EXISTING DITCHES OR CULVERTS FREE OF OBSTRUCTIONS AT ALL TIMES. 16.NO EARTHWORK FILL SHALL BE PLACED IN ANY EXISTING DRAINAGE WAY, SWALE, CHANNEL, DITCH, CREEK, OR FLOODPLAIN FOR ANY REASON OR ANY LENGTH OF TIME, UNLESS THESE PLANS SPECIFICALLY INDICATE THIS IS REQUIRED. 17. TEMPORARY CULVERTS MAY BE REQUIRED IN SOME LOCATIONS TO CONVEY RUN-OFF 18. REFER TO DIMENSION CONTROL PLAN, AND PLAT FOR HORIZONTAL DIMENSIONS.

19. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND CONDITION FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT 20.CONTRACTOR IS RESPONSIBLE FOR ALL SOILS TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL SOILS TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND SHALL COMPLY WITH CITY STANDARD SPECIFICATIONS AND THE GEOTECHNICAL REPORT. SOILS TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING SOILS. THE OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR SOILS TESTING 21.ALL COPIES OF SOILS TEST RESULTS SHALL BE SENT TO THE OWNER, ENGINEER AND ARCHITECT DIRECTLY FROM THE TESTING 22.IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE SOILS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS 23. THE SCOPE OF WORK FOR CIVIL IMPROVEMENT SHOWN ON THESE PLANS TERMINATES 5-FEET FROM THE BUILDING. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT AND STRUCTURAL PLANS AND SPECIFICATIONS FILL, CONDITIONING, AND PREPARATION 24.DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING. THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED

BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK ADJACENT TO THE BUILDING, IF NONE IS CURRENTLY EXISTING. 25.CONTRACTOR SHALL ENSURE THAT SUFFICIENT POSITIVE SLOPE AWAY FROM THE BUILDING PAD IS ACHIEVED FOR ENTIRE PERIMETER OF THE PROPOSED BUILDING(S) DURING GRADING OPERATIONS AND IN THE FINAL CONDITION. IF THE CONTRACTOR OBSERVES THAT THIS WILL NOT BE ACHIEVED. THE CONTRACTOR SHALL CONTACT THE ENGINEER TO REVIEW THE LOCATION 26 THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER, OR BY OTHER MEANS APPROVED BY THE CITY, AT NO ADDITIONAL COST TO THE OWNER. 27.CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS

NEEDED FOR GRADING OPERATIONS AND TO ACCOMMODATE PROPOSED GRADE, INCLUDING THE UNKNOWN UTILITIES NOT SHOWN ON THESE PLANS. CONTRACTOR SHALL REFER TO THE GENERAL NOTES "OVERALL" SECTION THESE PLANS FOR ADDITIONAL INFORMATION 28.EXISTING TREE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES FOUND IN THE FIFLD THAT AFFECT THE GRADING PLAN TO THE CIVIL ENGINEER 29. CONTRACTOR SHALL FIELD VERIFY ALL PROTECTED TREE LOCATIONS, INDIVIDUAL PROTECTED TREE CRITICAL ROOT ZONES, AND PROPOSED SITE GRADING, AND NOTIFY THE CIVIL ENGINEER AND LANDSCAPE ARCHITECT OF ANY CONFLICTS WITH THE TREE PRESERVATION PLAN BY THE LANDSCAPE ARCHITECT PRIOR TO COMMENCING THE WORK. 30.TREE PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY STANDARD TREE PROTECTION DETAILS AND THE

APPROVED TREE PRESERVATION PLANS BY THE LANDSCAPE ARCHITEC 31.CONTRACTOR SHALL REFER TO THE LANDSCAPING AND TREE PRESERVATIONS PLANS FOR ALL INFORMATION AND DETAILS REGARDING EXISTING TREES TO BE REMOVED AND PRESERVED.

32.NO TREE SHALL BE REMOVED UNLESS A TREE REMOVAL PERMIT HAS BEEN ISSUED BY THE CITY. OR CITY HAS OTHERWISE CONFIRMED IN WRITING THAT ONE IS NOT NEEDED FOR THE TREE(S). 33 NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE OWNER OR OWNER'S REPRESENTATIV EXISTING TREES SHALL BE PRESERVED WHENEVER POSSIBLE AND GRADING IMPACT TO THEM HELD TO A MINIMUM 34.AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING AND INADEQUATE SLOPE FOR DRAINAGE. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORMWATER RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY AREAS OF POOR DRAINAGE ARE DISCOVERED 35.CONTRACTOR FIELD ADJUSTMENT OF PROPOSED SPOT GRADES IS ALLOWED, IF THE APPROVAL OF THE CIVIL ENGINEER IS OBTAINED.

RETAINING WALLS SHOWN ARE FOR SITE GRADING PURPOSES ONLY, AND INCLUDE ONLY LOCATION AND SURFACE SPOT ELEVATIONS AT THE TOP AND BOTTOM OF THE WALL.

3. RETAINING WALL DESIGN SHALL BE PROVIDED BY OTHERS AND SHALL FIT IN THE WALL ZONE OR LOCATION SHOWN ON THESE PLANS. STRUCTURAL DESIGN AND PERMITTING OF RETAINING WALLS, RAILINGS, AND OTHER WALL SAFETY DEVICES SHALL BE PERFORMED BY A LICENSED ENGINEER AND ARE NOT PART OF THIS PLAN SET. 4. RETAINING WALL DESIGN SHALL MEET THE INTENT OF THE GRADING PLAN AND SHALL ACCOUNT FOR ANY INFLUENCE ON ADJACENT RESULT OF THE CONSTRUCTION, AS REQUESTED BY OWNER AND CITY. AT A MINIMUM, THIS SHOULD OCCUR ONCE PER DAY FOR THE BUILDING FOUNDATIONS, UTILITIES, PROPERTY LINES AND OTHER CONSTRUCTABILITY NOTES 5. RETAINING WALL ENGINEER SHALL CONSULT THESE PLANS AND THE GEOTECHNICAL REPORT FOR POTENTIAL CONFLICTS.

2. RETAINING WALL TYPE OR SYSTEM SHALL BE SELECTED BY THE OWNER

17. ALL JOINTS SHALL EXTEND THROUGH THE CURB.

SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND ALL ISSUED ADDENDA, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS. THE CITY SPECIFICATIONS SHALL GOVERN WHERE OTHER SPECIFICATIONS DO NOT EXIST. IN CASE OF CONFLICTING SPECIFICATIONS OR DETAILS. THE MORE RESTRICTIVE SPECIFICATION/DETAIL SHALL BE FOLLOWED EDITION), INCLUDING ALL ADDENDA. 3. ALL FIRELANE PAVING AND PAVING SUBGRADE SHALL COMPLY WITH CITY STANDARDS AND DETAILS. IF THESE ARE DIFFERENT THAN THOSE IN THE GEOTECHNICAL REPORT, THEN THE MORE RESTRICTIVE SHALL BE FOLLOWED. 4. ALL PUBLIC PAVING AND PAVING SUBGRADE SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS. 5. CONTRACTOR IS RESPONSIBLE FOR ALL PAVING AND PAVING SUBGRADE TESTING AND CERTIFICATION, UNLESS SPECIFIED OTHERWISE BY OWNER. ALL PAVING AND PAVING SUBGRADE TESTING SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY FOR TESTING PAVING AND SUBGRADE. OWNER SHALL APPROVE THE AGENCY NOMINATED BY THE CONTRACTOR FOR PAVING AND PAVING SUBGRADE TESTING. 6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW. BY THE STANDARD TESTING PROCEDURES OF THE PAVING AND PAVING SUBGRADE. THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS. 7. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING. THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING. THE OWNER AND CONTRACTOR ARE ADVISED TO OBTAIN A GEOTECHNICAL ENGINEER RECOMMENDATION SPECIFIC TO FLATWORK ADJACENT TO THE BUILDING. IF NONE IS CURRENTLY EXISTING.

CONSTRUCTION DETAIL AND SPECIFICATIONS. 9. PRIVATE CURB RAMPS ON THE SITE (I.E. OUTSIDE PUBLIC STREET RIGHT-OF-WAY) SHALL CONFORM TO ADA AND TAS STANDARDS AND SHALL HAVE A DETECTABLE WARNING SURFACE THAT IS FULL WIDTH AND FULL DEPTH OF THE CURB RAMP, NOT INCLUDING FLARES. 10. ALL ACCESSIBLE RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA AND TAS STANDARDS, LATEST 11. ANY COMPONENTS OF THE PROJECT SUBJECT TO RESIDENTIAL USE SHALL ALSO CONFORM TO THE FAIR HOUSING ACT, AND COMPLY WITH THE FAIR HOUSING ACT DESIGN MANUAL BY THE US DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT 12.CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT WITH A SMOOTH. FLUSH. CONNECTION. 3.CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES. PARKING STALLS. HANDICAPPED PARKING

8. CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BASED ON THE CITY STANDARD

SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. ALL PAINT AND PAVEMENT MARKINGS SHALL ADHERE TO CITY AND OWNER STANDARDS. 14.REFER TO GEOTECHNICAL REPORT FOR PAVING JOINT LAYOUT PLAN REQUIREMENTS FOR PRIVATE PAVEMEN 15.REFER TO CITY STANDARD DETAILS AND SPECIFICATIONS FOR JOINT LAYOUT PLAN REQUIREMENTS FOR PUBLIC PAVEMENT. 16. ALL REINFORCING STEEL SHALL CONFORM TO THE GEOTECHNICAL REPORT, CITY STANDARDS, AND ASTM A-615, GRADE 60, AND SHALL BE SUPPORTED BY BAR CHAIRS. CONTRACTOR SHALL USE THE MORE STRINGENT OF THE CITY AND GEOTECHNICAL STANDARDS.

18. THE MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET 19. CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO THE ENGINEER AND OWNER PRIOR TO BEGINNING ANY OF THE PAVING WORK. 20.ALL SAWCUTS SHALL BE FULL DEPTH FOR PAVEMENT REMOVAL AND CONNECTION TO EXISTING PAVEMENT. 21.FIRE LANES SHALL BE MARKED AND LABELED AS A FIRELANE PER CITY STANDARDS. 22.UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE ORIENTED SO THEY ARE READILY VISIBLE TO THE ONCOMING TRAFFIC FOR WHICH THEY ARE INTENDED 23.CONTRACTOR IS RESPONSIBLE FOR INSTALLING NECESSARY CONDUIT FOR LIGHTING, IRRIGATION, ETC. PRIOR TO PLACEMENT OF PAVEMENT. ALL CONSTRUCTION DOCUMENTS (CIVIL, MEP, LANDSCAPE, IRRIGATION, AND ARCHITECT) SHALL BE CONSULTED. 24.BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA, TAS, AND

FHA) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS. ACCESSIBLE PARKING SPACES. ACCESS AISLES. AND ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPE EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0 PERCENT SLOPE IN ANY DIRECTION. 25.CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA/TAS SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA AND TAS SLOPE

ALL STORM SEWER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS

2. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING STORM SEWER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY STORM SEWER, AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVERED 4. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER. 5. FLOW LINE, TOP-OF-CURB, RIM, THROAT, AND GRATE ELEVATIONS OF PROPOSED INLETS SHALL BE VERIFIED WITH THE GRADING PLAN AND FIELD CONDITIONS PRIOR TO THEIR INSTALLATION. 6. ALL PUBLIC STORM SEWER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS.

. ALL PRIVATE STORM SEWER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO THE APPLICABLE PLUMBING CODE. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS. 8. ALL PVC TO RCP CONNECTIONS AND ALL STORM PIPE CONNECTIONS ENTERING STRUCTURES OR OTHER STORM PIPES SHALL HAVE A CONCRETE COLLAR AND BE GROUTED TO ASSURE THE CONNECTION IS WATERTIGHT 9. ALL PUBLIC STORM SEWER LINES SHALL BE MINIMUM CLASS III RCP. PRIVATE STORM SEWER LINES 18-INCHES AND GREATER SHALL BE CLASS III RCP OR OTHER APPROVED MATERIAL 10 WHERE COVER EXCEEDS 20-FEET OR IS LESS THAN 2-FEET, CLASS IV RCP SHALL BE USED 11.IF CONTRACTOR PROPOSES TO USE HDPE OR PVC IN LIEU OF RCP FOR PRIVATE STORM SEWER, CONTRACTOR SHALL SUBMIT

ANY PROPOSED HDPE AND PVC SHALL BE WATERTIGHT. 12. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL STORM SEWER LINES 3.EMBEDMENT FOR ALL STORM SEWER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS. 14. ALL WYE CONNECTIONS AND PIPE BENDS ARE TO BE PREFABRICATED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS. 15. USE 4 FOOT JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100 FEET. 16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS. TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH RCP SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY. 17. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.

TECHNICAL DATA TO THE OWNER, ENGINEER AND CITY ENGINEER/INSPECTOR FOR APPROVAL PRIOR TO ORDERING THE MATERIAL.

ANY PONDS THAT ARE INTENDED TO HOLD WATER INDEFINITELY SHALL BE CONSTRUCTED WATERTIGHT. 2. FOR ANY PONDS INTENDED TO HOLD WATER INDEFINITELY: THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR POND LINER SPECIFICATIONS 3. A GEOTECHNICAL ENGINEER SHALL REVIEW AND APPROVE ALL POND LINER MATERIAL, PLACEMENT PROCEDURES, AND PROVIDE TESTING TO ENSURE THE POND LINER MATERIAL PLACED IS WATERTIGHT. 4. STORM SEWER PIPES AND HEADWALLS THAT CONNECT TO A POND INTENDED TO HOLD WATER INDEFINITELY SHALL BE INSTALLED WITH WATERTIGHT JOINTS TO AT LEAST 1-FOOT ABOVE THE NORMAL POOL WATER SURFACE ELEVATION. 5. ANY GRAVEL OR OTHER PERVIOUS EMBEDMENT AROUND PIPES OR OUTFALL STRUCTURES NEAR THE POND SHALL BE ELIMINATED FOR TCEQ AT LEAST 20-FEET FROM THE POND SO NO ROUTE FOR WATER TO LEAK THROUGH THE EMBEDMENT MATERIAL IS PROVIDED. BACKFILL TEMP IN THESE AREAS SHALL BE OF IMPERVIOUS MATERIAL

6. FOR ANY PONDS INTENDED TO HOLD WATER INDEFINITELY: THE WATER LEVEL FOLLOWING COMPLETION AND FILLING OF THE POND SHALL BE MONITORED BY THE CONTRACTOR FOR AT LEAST 60 DAYS TO OBSERVE WATER INFLOW, OUTFLOW, AND CALCULATE EVAPORATION TO VERIEY THAT THE POND IS WATERTIGHT. 7. FOR ANY PONDS INTENDED TO HOLD WATER INDEFINITELY: THE POND WATER LEVEL SHALL ALSO BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION SO THAT IT REMAINS FULL TO ITS DESIGN WATER LEVEL, AND IS NOT LOWERED, AS THIS MAY DRY-OUT THE POND LINER AND RISK ITS WATERTIGHT PROPERTIES.

ALL WATER AND WASTEWATER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND 2. CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING WATER AND WASTEWATER FACILITIES THAT ARE TO BE CONNECTED TO, PRIOR TO START OF CONSTRUCTION OF ANY WATER OR WASTEWATER CONSTRUCTION. AND SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS DISCOVEREI CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING 4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATION OF ALL UTILITY CROSSINGS PRIOR TO THE INSTALLATION OF ANY PIPE. 5. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE WATER AND WASTEWATER IMPROVEMENTS 6. ALL PUBLIC WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO CITY PUBLIC WORKS

STANDARD DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS. 7. ALL PRIVATE WATER AND WASTEWATER CONSTRUCTION, PIPE, STRUCTURES, AND FITTINGS SHALL ADHERE TO THE APPLICABLE PLUMBING CODE. CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS 8. FIRE SPRINKLER LINES SHALL BE DESIGNED AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR, AND COMPLY TO THE APPLICABLE CODES AND INSPECTIONS REQUIRED. THESE PLANS WERE PREPARED WITHOUT THE BENEFIT OF THE FIRE SPRINKLER DESIGN. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES 9. EMBEDMENT FOR ALL WATER AND WASTEWATER LINES, PUBLIC OR PRIVATE, SHALL BE PER CITY STANDARD DETAILS. 10. CONTRACTOR SHALL TAKE REQUIRED SANITARY PRECAUTIONS, FOLLOWING ANY CITY, TCEQ, AND AWWA STANDARDS, TO KEEP

WATER PIPE AND FITTINGS CLEAN AND CAPPED AT TIMES WHEN INSTALLATION IS NOT IN PROGRESS 11.CONTRACTOR SHALL PROVIDE CONSTRUCTION SURVEYING FOR ALL WATER AND WASTEWATER LINES. 12. ALL WATER AND WASTEWATER SERVICES SHALL TERMINATE 5-FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE 13. CONTRACTOR SHALL COMPLY WITH CITY REQUIREMENTS FOR WATER AND WASTEWATER SERVICE DISRUPTIONS AND THE AMOUNT OF PRIOR NOTICE THAT IS REQUIRED, AND SHALL COORDINATE DIRECTLY WITH THE APPROPRIATE CITY DEPARTMENT. 14. CONTRACTOR SHALL SEQUENCE WATER AND WASTEWATER CONSTRUCTION TO AVOID INTERRUPTION OF SERVICE TO SURROUNDING PROPERTIES 15. CONTRACTOR SHALL MAINTAIN WATER SERVICE AND WASTEWATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION (IF NECESSARY, BY USE OF TEMPORARY METHODS APPROVED BY THE CITY AND OWNER). THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. 16. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL WATER AND WASTEWATER LINES CROSSING THE PROJECT. THE CONTRACTOR SHALL REPAIR ALL DAMAGED LINES IMMEDIATELY. ALL REPAIRS OF EXISTING WATER MAINS, WATER SERVICES, SEWER MAINS, AND SANITARY SEWER SERVICES ARE SUBSIDIARY TO THE WORK, AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. 17. VALVE ADJUSTMENTS SHALL BE CONSTRUCTED SUCH THAT THE COVERS ARE AT FINISHED SURFACE GRADE OF THE PROPOSED 18. THE ENDS OF ALL EXISTING WATER MAINS THAT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE. THIS

WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

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19. ALL FIRE HYDRANTS, VALVES, TEES, BENDS, WYES, REDUCERS, FITTINGS, AND ENDS SHALL BE MECHANICALLY RESTRAINED AND/OR THRUST BLOCKED TO CITY STANDARDS 20.CONTRACTOR SHALL INSTALL A FULL SEGMENT OF WATER OR WASTEWATER PIPE CENTERED AT ALL UTILITY CROSSINGS SO THAT THE JOINTS ARE GREATER THAN 9-FEET FROM THE CROSSING 21.ALL CROSSINGS AND LOCATIONS WHERE WASTEWATER IS LESS THAN 9-FEET FROM WATER, WASTEWATER CONSTRUCTION AND MATERIALS SHALL COMPLY WITH TCEQ CHAPTER 217.53.

23.ALL WATER AND WASTEWATER SHALL BE TESTED IN ACCORDANCE WITH THE CITY, AWWA, AND TCEQ STANDARDS AND SPECIFICATIONS. AT A MINIMUM, THIS SHALL CONSIST OF THE FOLLOWING a. ALL WATERLINES SHALL BE HYDROSTATICALLY TESTED AND CHLORINATED BEFORE BEING PLACED INTO SERVICE. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR THEIR REQUIRED PROCEDURES AND SHALL ALSO COMPLY WITH TCEQ REGULATIONS. D. WASTEWATER LINES AND MANHOLES SHALL BE PRESSURE TESTED. CONTRACTOR SHALL COORDINATE WITH THE CITY FOR THEIR REQUIRED PROCEDURES AND SHALL ALSO COMPLY WITH TOEQ REGULATIONS. AFTER COMPLETION OF THESE TESTS: A TELEVISION INSPECTION SHALL BE PERFORMED AND PROVIDED TO THE CITY AND OWNER ON A DVD.

24 CONTRACTOR SHALL INSTALL DETECTABLE WIRING OR MARKING TAPE A MINIMUM OF 12" ABOVE WATER AND WASTEWATER LINES. MARKER DECALS SHALL BE LABELED "CAUTION - WATER LINE", OR "CAUTION - SEWER LINE". DETECTABLE WIRING AND MARKING TAPE SHALL COMPLY WITH CITY STANDARDS, AND SHALL BE INCLUDED IN THE COST OF THE WATER AND WASTEWATER PIPE. 25.DUCTILE IRON PIPE SHALL BE PROTECTED FROM CORROSION BY A LOW-DENSITY POLYETHYLENE LINER WRAP THAT IS AT LEAST A SINGLE LAYER OF 8-MIL. ALL DUCTILE IRON JOINTS SHALL BE BONDED. 26. WATERLINES SHALL BE INSTALLED AT NO LESS THAN THE MINIMUM COVER REQUIRED BY THE CITY.

22.ALL CROSSING AND LOCATIONS WHERE WATER IS LESS THAN 9-FEET FROM WASTEWATER, WATER CONSTRUCTION AND MATERIALS

27.CONTRACTOR SHALL PROVIDE CLEAN-OUTS FOR PRIVATE SANITARY SEWER LINES AT ALL CHANGES IN DIRECTION AND 100-FOOT INTERVALS, OR AS REQUIRED BY THE APPLICABLE PLUMBING CODE. CLEAN-OUTS REQUIRED IN PAVEMENT OR SIDEWALKS SHALL HAVE CAST IRON COVERS FLUSH WITH FINISHED GRADE. 28.CONTRACTOR SHALL PROVIDE BACKWATER VALVES FOR PLUMBING FIXTURES AS REQUIRED BY THE APPLICABLE PLUMBING CODE (E.G.

FLOOR ELEVATION OF FIXTURE UNIT IS BELOW THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER). CONTRACTOR SHALL REVIEW BOTH MEP AND CIVIL PLANS TO CONFIRM WHERE THESE ARE REQUIRED 29. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL NGINEER IN THE STATE OF TEXAS, TO THE CITY PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY, STATE, AND FEDERAL REQUIREMENTS, INCLUDING OSHA FOR ALL TRENCHES. NO OPEN TRENCHES SHALL BE ALLOWED OVERNIGHT WITHOUT PRIOR WRITTEN APPROVAL OF THE CITY. 30. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER.

ABBREVIATIONS AND DEFINITIONS:

AMERICANS WITH DISABILITIES ACT AMERICAN WATER WORKS ASSOCIATION AWWA BACK TO BACK

SHALL COMPLY WITH TCEQ CHAPTER 290.44.

**BEGIN CURVE** BACK OF CURB BEGIN CURB RETURN BEST MANAGEMENT PRACTICE BACK OF CURB

BEGIN VERTICAL CURVE ELEVATION BEGIN VERTICAL CURVE STATION **BOTTOM OF WALL** CUBIC FEET PER SECOND

CITY, TOWN, OR OTHER APPLICABLE LOCAL GOVERNMENT JURISDICTION CENTERLINE CENTERLINE CONCRETE CONC CUBIC YARD

DEMO DEMOLITION DECOMPOSED GRANITE DETAIL EACH END CURVE

END CURB RETURN **EXISTING GROUND ELEVATION** ELECTRICAL / ELECTRICITY ELEVATION

UNITES STATES ENVIRONMENTAL PROTECTION AGENCY FASEMENT END VERTICAL CURVE ELEVATION

END VERTICAL CURVE STATION EXISTING FACE TO FACE FINISHED GROUND

FIRE HYDRANT FLOW LINE FACE OF CURB

HYDRAULIC GRADE LINE KIMLEY-HORN AND ASSOCIATES, INC KIMLEY-HORN AND ASSOCIATES, INC

LINEAR FEET

MATCH EXISTING ELEVATION MANHOLE MINUTE / MINIMUM NUMBER

NOTICE OF INTENT, REF. TCEQ GENERAL PERMIT NOTICE OF TERMINATION, REF. TCEQ GENERAL PERMIT NOT TO SCALE

ON CENTER OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION POINT OF CURVATURE PORTLAND CEMENT CONCRETE / POINT OF COMPOUND CURVATURE

PROPOSED GRADE LINE POINT OF INFLECTION PROPOSED POINT OF REVERSE CURVATURE

PROP

POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINYL CHLORIDE POINT OF VERTICAL INFLECTION PAVEMENT

REINFORCED CONCRETE PIPE RIGHT OF WAY RIGHT SQUARE FEET SANITARY SEWER

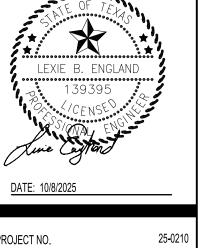
SANITARY SEWER MANHOLE STATION **STANDARD** SQUARE YARD

ARCHITECTURAL BARRIERS TEXAS ACCESSIBILITY STANDARDS TOP OF CURB TEXAS COMMISSION OF ENVIRONMENTAL QUALITY

**TEMPORARY** TXDOT TEXAS DEPARTMENT OF TRANSPORTATION TXMUTCD TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES TOP OF WALL

> **TYPICAL** VERTICAL CURVE WATER WASTEWATER

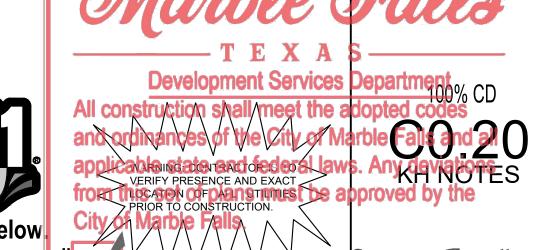
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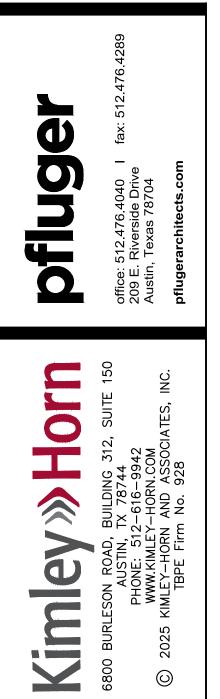
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DRAWN BY: SHD









LEGEND

— —— ADJACENT PROPERTY LINE

EASEMENT LINE WATER LINE

BENCHMARK

FIRE HYDRANT

WATER VALVE IRRIGATION VALVE

ELECTRIC BOX UTILITY POLE SIGN

STORM SEWER MANHOLE

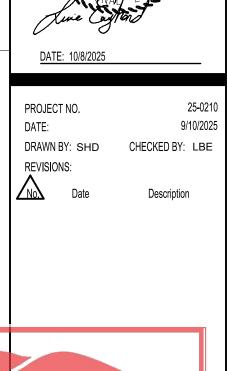
EXISTING TREES TO REMAIN

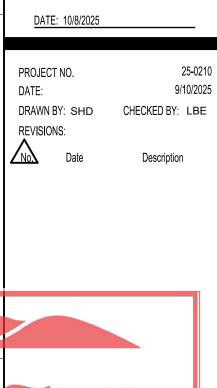
EXISTING TREES TO BE REMOVED

WASTEWATER LINE OVERHEAD ELECTRIC

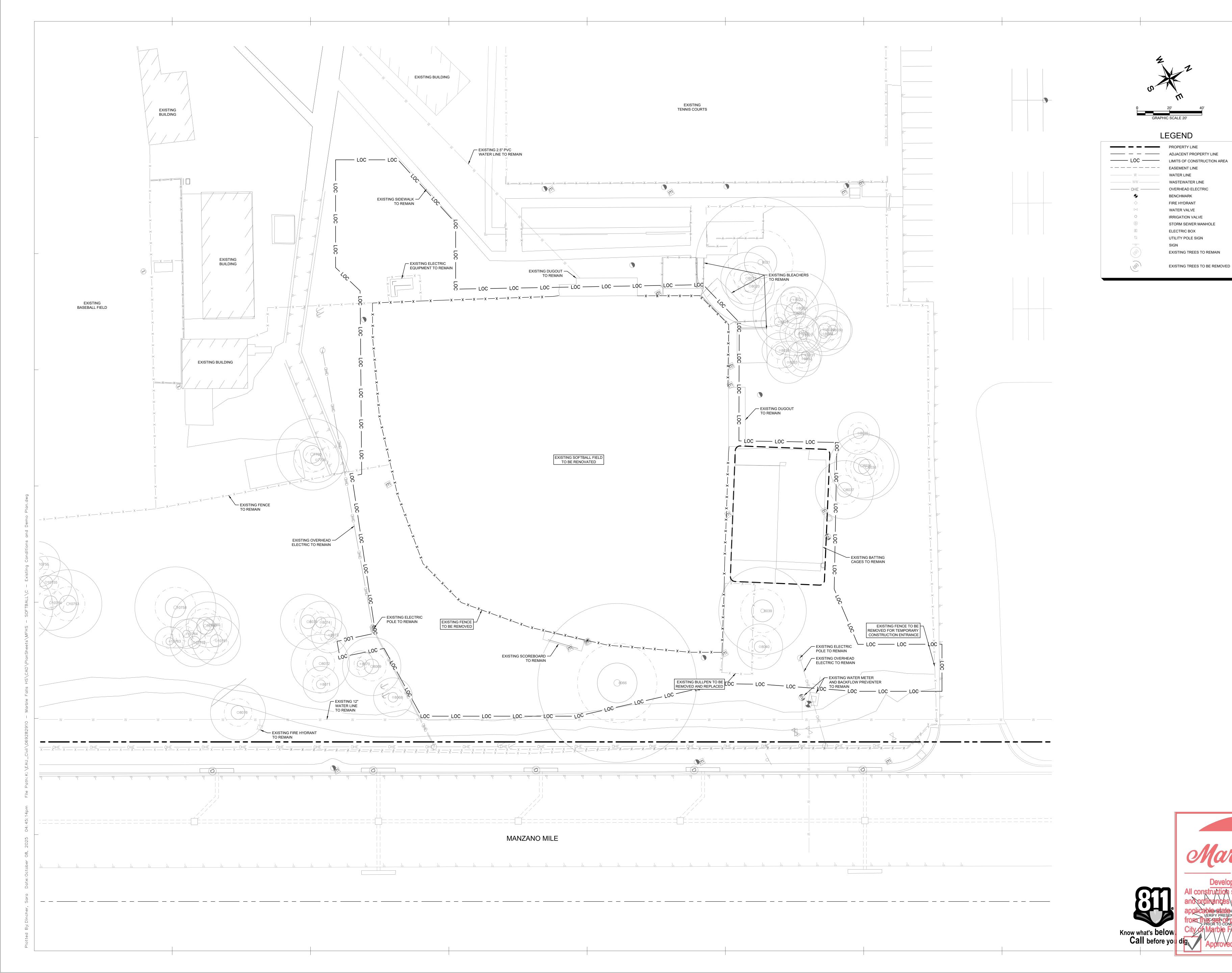
> BOND 2025











LEGEND

----- MS ----- (MS) MULCH SOCK

1. CONTRACTOR IS SOLELY RESPONSIBLE FOR IMPLEMENTATION,

2. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR

MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS -

MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED

CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.

CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A

SEE LANDSCAPE ARCHITECT PLANS FOR TREE PRESERVATION PLAN AND

CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE

THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY,

INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER

OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE

10. ALL DISTURBED AREAS TO BE RE-VEGETATED PER CITY OF MARBLE FALLS

THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL

MINIMUM OF ONCE DAILY [ECM 1.4.4.D.4].

APPLICABLE LAWS.

PROPERTY LINE

SILT FENCE

SEDIMENT BASIN

(SK) POND SKIMMER

LIMITS OF CONSTRUCTION

STAGING AND SPOILS AREA CONSTRUCTION ENTRANCE

EXISTING CONTOURS PROPOSED CONTOURS

#### (WHETHER CALLED OUT ON ORIGINAL SWPPP OR NOT) DIRECTLY ON THE — LOC 3. THE ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF MARBLE FALLS RULES AND REGULATIONS 4. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURE DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(D) OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR. 5. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING. 6. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT 7. ADDITIONAL EROSION AND SEDIMENTATION CONTROLS MAY BE REQUIRED BY THE CITY DURING CONSTRUCTION. REFERENCE EROSION CONTROL NOTES AND DETAILS ON SHEET 7. 9. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING [ECM 1.4.4.B.3, SECTION 5, I.]. THE

SOFTBALL FIELD (SEE PLAY FIELD SHEETS)

MANZANO MILE

∟ toc —— гос —— гос —



Kimley

LEGEND

SOFTBALL FIELD

FIRE HYDRANT

EXISTING FENCE

EXISTING POWER POLE EXISTING FIRE HYDRANT

FILTRATION POND AREA

EXISTING WATER LINE

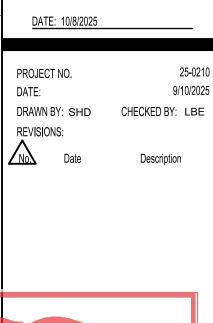
EXISTING WASTEWATER LINE

EXISTING OVERHEAD ELECTRIC LINE

FIRE DEPARTMENT CONNECTION (FDC)

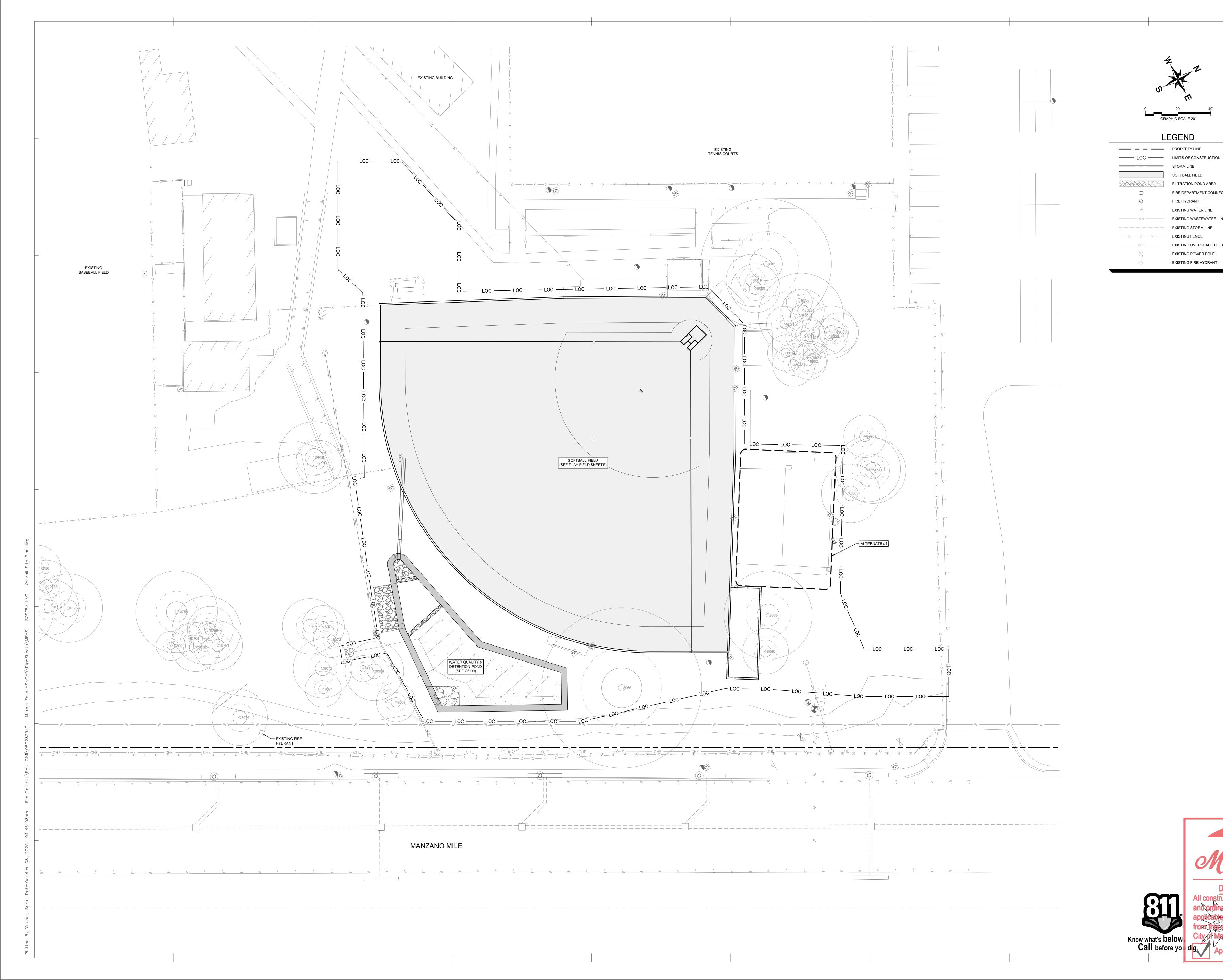
BOND 2025

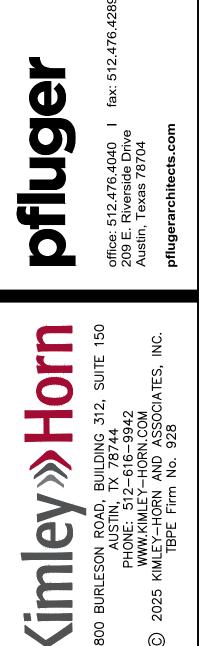












LEGEND

PROPOSED ELEVATION

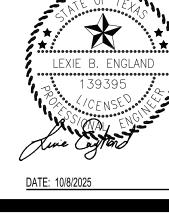
PROPOSED CONTOUR

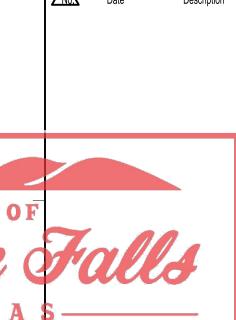
MATCH EXISTING ELEVATION

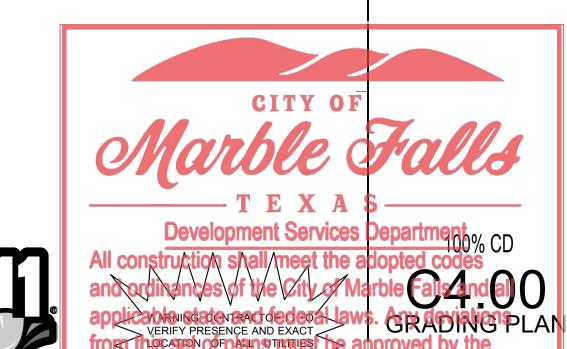
PROPERTY LINE

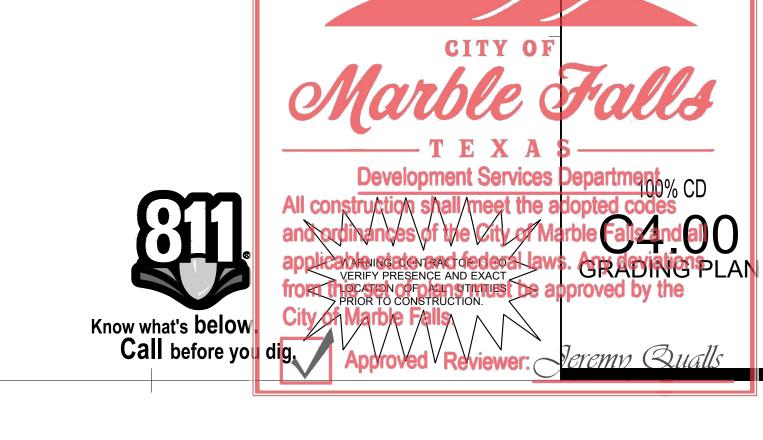
\_ \_ \_ 555 — — EXISTING CONTOUR

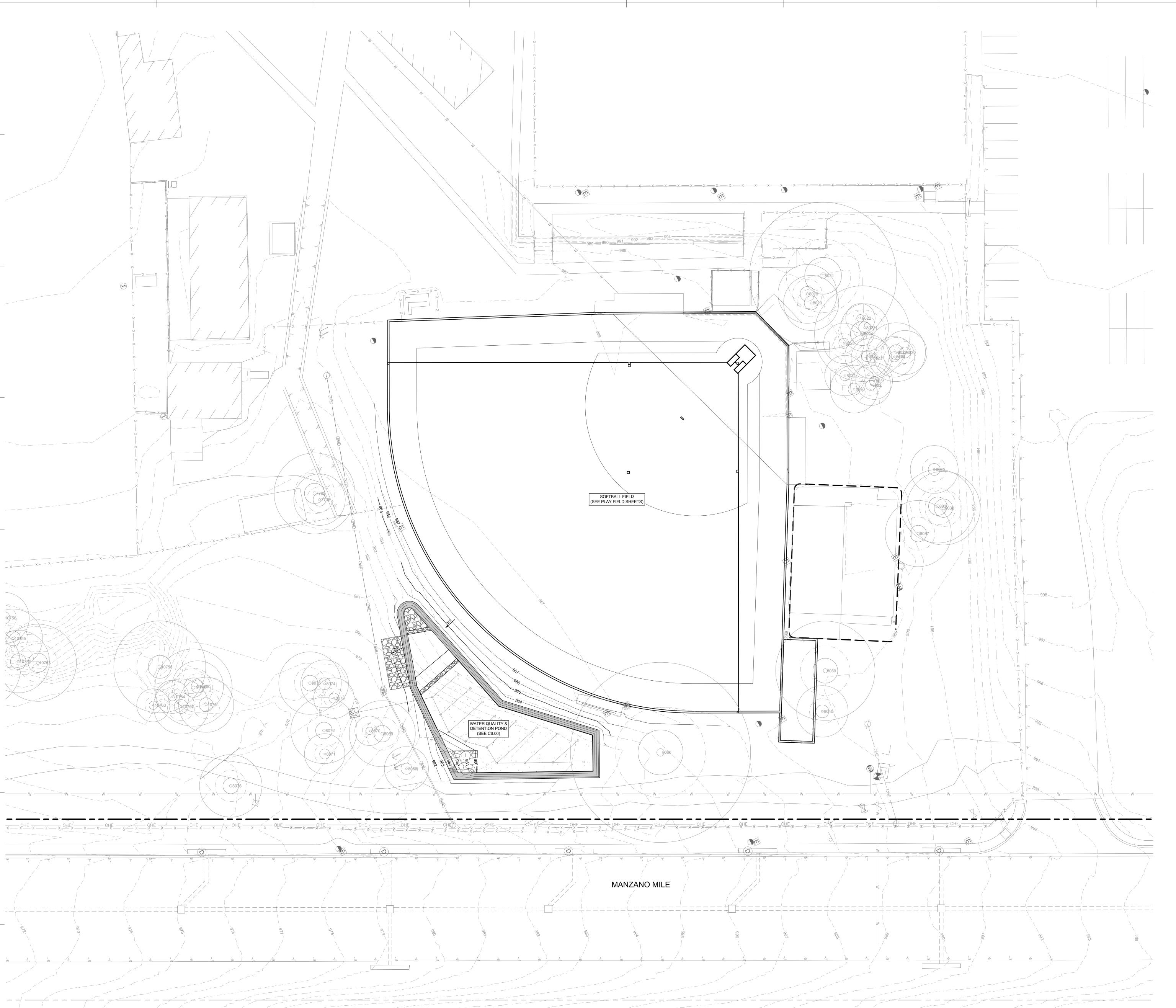
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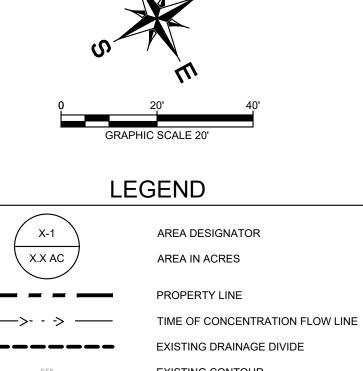






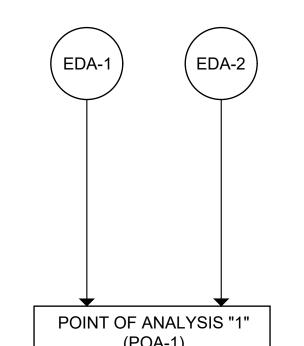


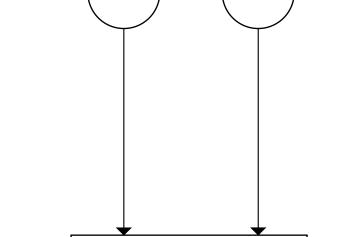




EXISTING DRAINAGE DIVIDE **EXISTING CONTOUR** EXISTING STORM LINE EXISTING FLOW DIRECTION EXISTING STORM INLET EXISTING STORM MANHOLE

EXISTING STORM HEADWALL TREES AND TOPOGRAPHY BASED UPON SURVEY BY KIMLEY-HORN, DATED JUNE 16, 2025.
 ALL DRAINAGE CALCULATIONS WERE PERFORMED IN ACCORDANCE WITH THE CITY OF MARBLE FALLS DRAINAGE CRITERIA MANUAL, UTILIZING ATLAS-14 RAINFALL INTENSITY VALUES, EFFECTIVE JANUARY 13, 2020.





EXISTING TIME OF CONCENTRATION									
NCENTRATED CHANNEL FLOW TOTAL TO TO MINI	ıм								
T <sub>SC</sub> (min) Length (ft) Slope (ft/ft) Velocity (ft/s) T <sub>CF</sub> (min) (min) (min)									
0.43 0.00 5.8 5.8	3								
0.00 195 0.05 6.0 0.54 7.1 7.1	1								
EXISTING DRAINAGE AREA CALCULATIONS - NRCS METHOD									
1	CENTRATED   CHANNEL FLOW   TOTAL TC (min)   T <sub>SC</sub> (min)   Length (ft)   Slope (ft/ft)   Velocity (ft/s)   T <sub>CF</sub> (min)   (min								

AREA IMPERVIOUS IMPERVIOUS PERVIOUS IMPERVIOUS WEIGHTED

31.2 80.00 98.00

0.5 80.00 98.00 80.08

COVER

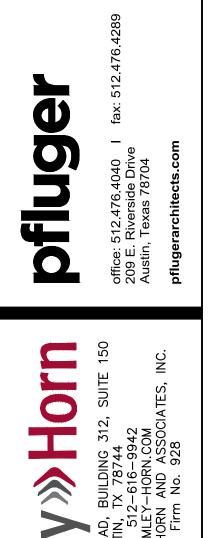
105,086 2.41 0.75

32,713 0.75 0.00

DIVALINA	(GL)	OTILLI	ON AVED SHALLOW SONSENTRATE					וטםי		
AREA	Length (	t) Manning's n	Slope (ft/ft)	T <sub>SF</sub> (min)	Leng	th (ft)	Slope	(ft/ft)	T <sub>SC</sub> (m	in)
EDA-	<b>1</b> 100	0.015	0.005	2.49	5	54	0.0	)4	2.91	
EDA-	2 100	0.15	0.07	5.47	1:	92	0.0	)3	1.10	
EXISTING DRAINAGE PEAK DISCHARGE										
	DRAINAGE			STORM	STORM EVENT					
	AREA	2YR-24HR	5YR-24H	IR 10YR-:	10YR-24HR		-24HR	100Y	R-24HR	
	EDA-1	6.9	11.8	14	.7	19	9.3	2	26.3	
	EDA-2	1.5	2.8	3.	7	5	.0		7.1	

TIME OF CONCENTRATION FLOW PATH

Length (ft)	Manning's n	Slope (ft/ft)	T <sub>SF</sub> (min)	Lengt	h (ft)	Slope	(ft/ft)	T <sub>SC</sub> (m	n)	Length (ft)	Slope (ft/ft)	T <sub>SC</sub>	; (m		
100	0.015	0.005	2.49	55	4	0.0	)4	2.91		37	0.005	C	0.43		
100	0.15	0.07	5.47	19	192		)3	1.10		-	-	C	0.00		
EXISTING DRAINAGE PEAK DISCHARGE										EXI	ST				
RAINAGE			STORM	EVENT						HYDROLOG	IC SOIL GRO	UP: I	D		
AREA	2YR-24HR	5YR-24H	IR 10YR-2	24HR	25YR	-24HR	100Y	R-24HR			_ AREA	\ <u> </u>			
EDA-1	6.9	11.8	14.	.7	19		7 19		2	26.3		DRAINAG AREA	╘		
EDA-2	1.5	2.8	3.7	7 5.0		.0	7.1			AREA	(SF)				
ΓE: EXISTING	PEAK DISCHA	ARGE VALUES	FROM HEC-	HMS MO	DEL.					EDA-1	105,08	6			
										EDA_2	32.71	2			



AREA DESIGNATOR

TIME OF CONCENTRATION FLOW LINE

PROPOSED DRAINAGE DIVIDE

PROPOSED FLOW DIRECTION PROPOSED STORM GRATE INLET PROPOSED STORM MANHOLE

PROPOSED CONTOUR

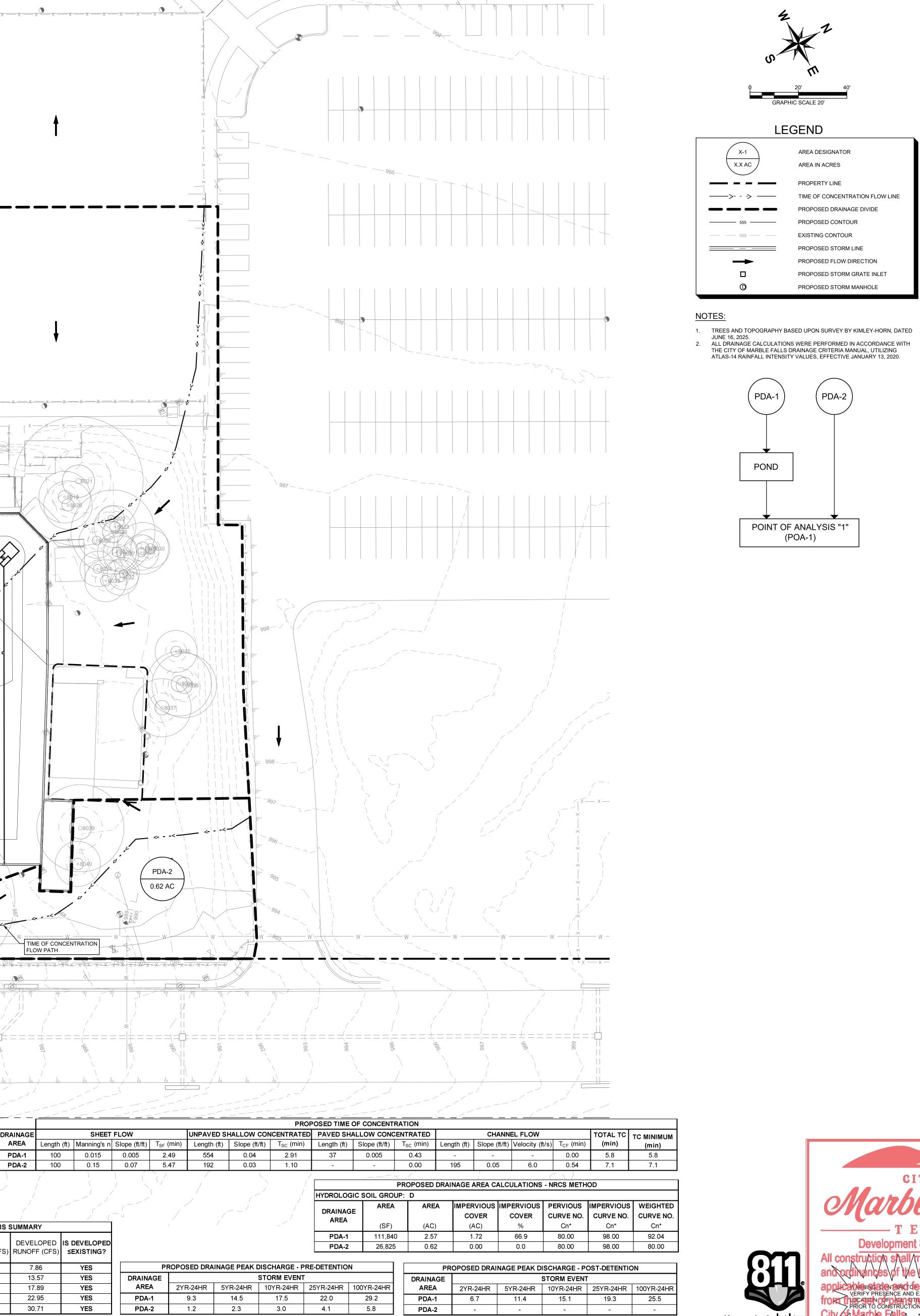
PROPOSED STORM LINE

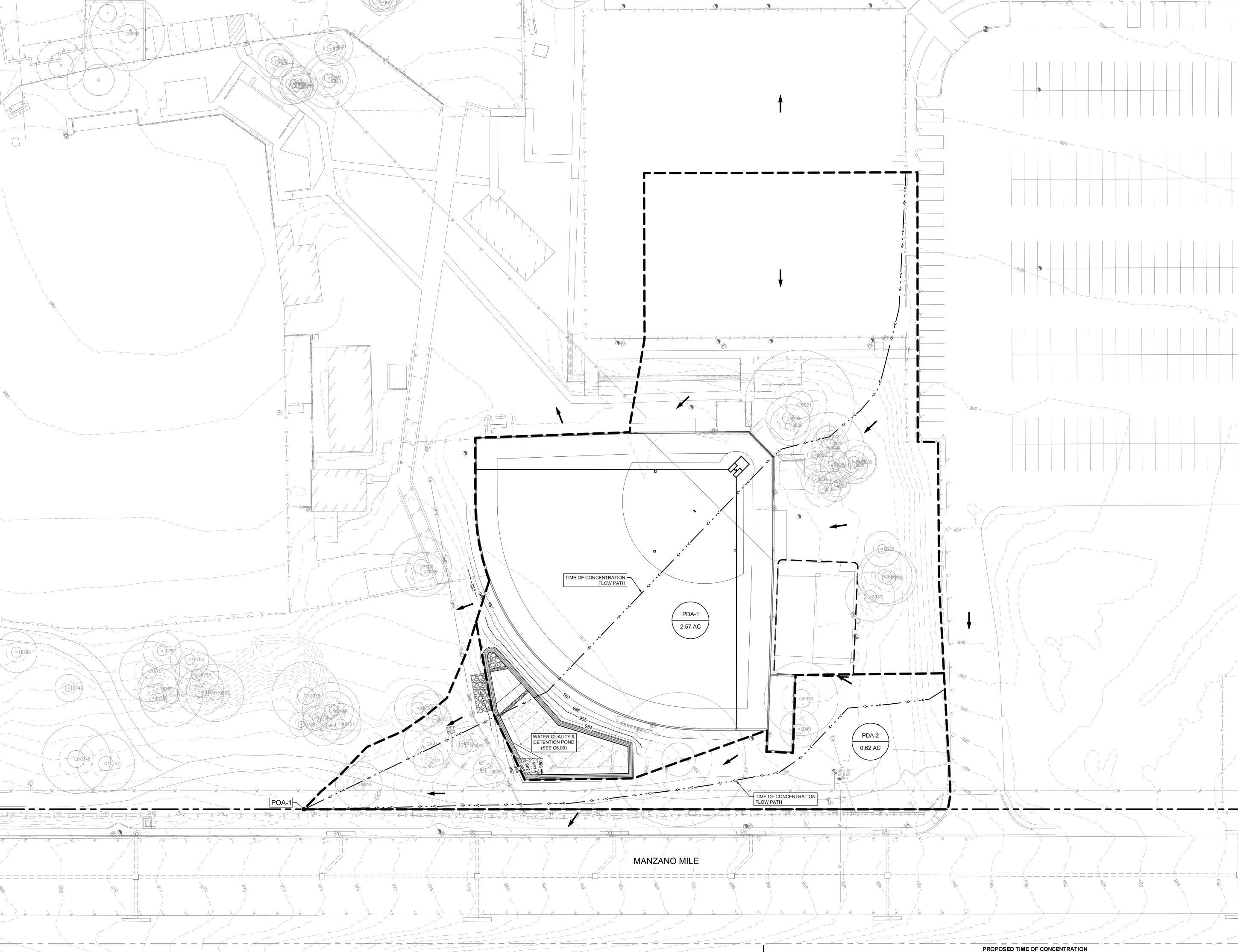
AREA IN ACRES











			/ / /	}
/ <u>/</u>				
	POINT	OF ANALYSIS	SUMMARY	
POINT OF ANALYSIS	STORM EVENT	EXISTING RUNOFF (CFS)	DEVELOPED RUNOFF (CFS)	IS DEVELOPED ≤EXISTING?
	2	8.43	7.86	YES
	5	14.68	13.57	YES
POA 1	10	18.42	17.89	YES
	25	24.24	22.95	YES
	100	33.38	30.71	YES
NOTE: POA PEA	K DISCHARGE	VALUES FROM HE	C-HMS MODEL.	

				PDA-1		111,84		
				PDA-2		26,82		
PROPOSED DRAINAGE PEAK DISCHARGE - PRE-DETENTION								
INAGE	SE STORM EVENT							
REA	2YR-24HR	5YR-24HR	10YR-24HR	25YR-24HR	100YR-	24HR		
DA-1	9.3	14.5	17.5	22.0	29.	2		
DA-2	1.2	2.3	3.0	4.1	5.8	3		
PROPOSED PEAK DISCHARGE VALUES FROM HEC-HMS MODEL								

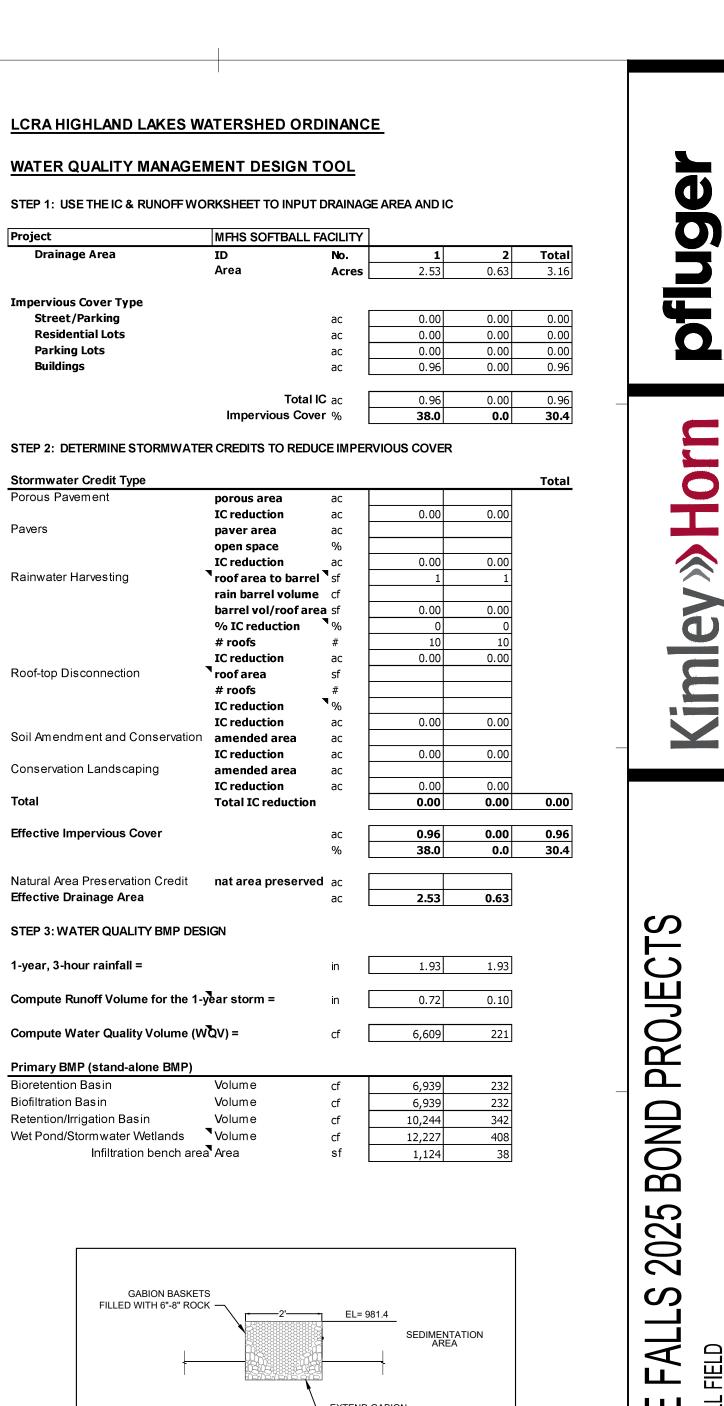
		_
TENTIO	N	PF
		DRAINAGE
R-24HR	100YR-24HR	AREA
22.0	29.2	PDA-1
4.1	5.8	PDA-2
L		NOTE: PROPOS

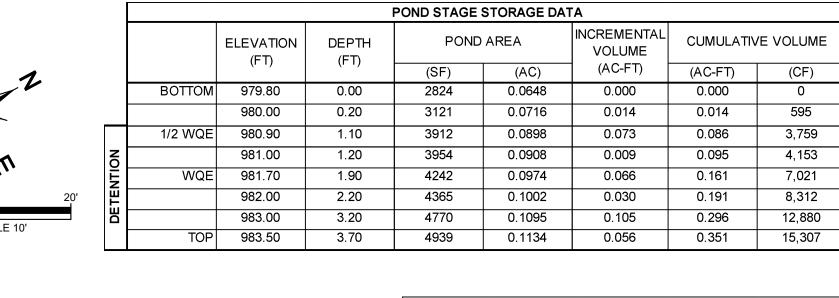
PROPOSED DRAINAGE PEAK DISCHARGE - POST-DETENTI							
DRAINAGE AREA	STORM EVENT						
	2YR-24HR	5YR-24HR	10YR-24HR	25YR-24HR			
PDA-1	6.7	11.4	15.1	19.3			
PDA-2	-	-	-	-			
TE: PROPOSI	ED PEAK DISCH	ARGE VALUES F	ROM HEC-HMS	MODEL			

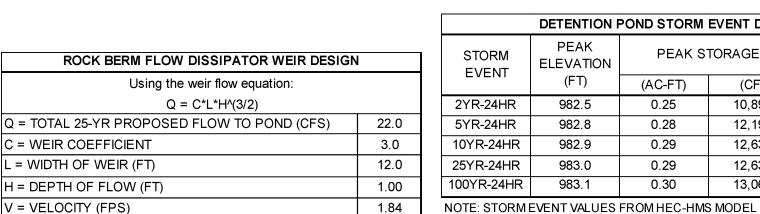
HYDROLOGIC SOIL GROUP: D

DRAINAGE

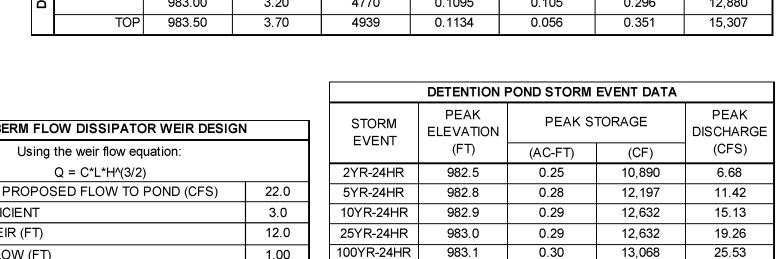
DRAINAGE	STORM EVENT				
AREA	2YR-24HR	5YR-24HR	10YR-24HR	25YR-2	
PDA-1	6.7	11.4	15.1	19.	
PDA-2	-	-	-	-	

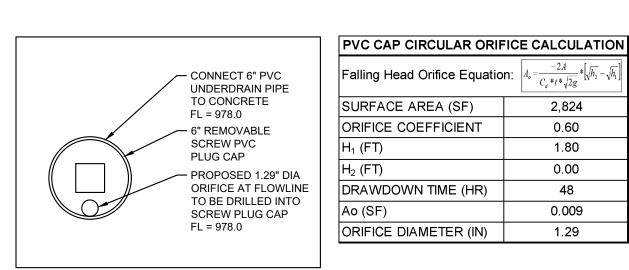


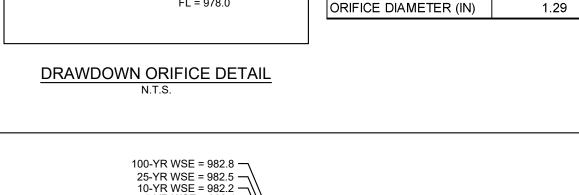


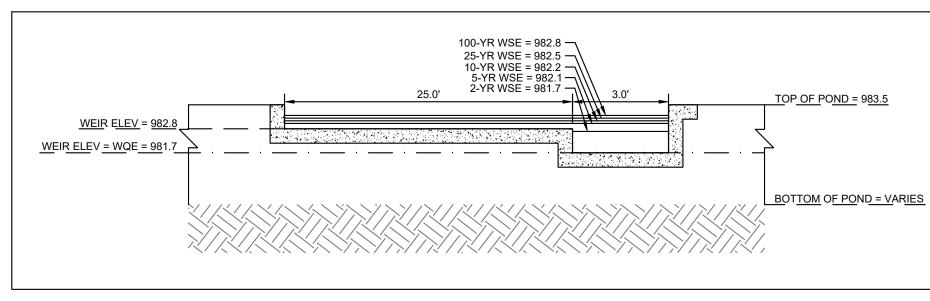


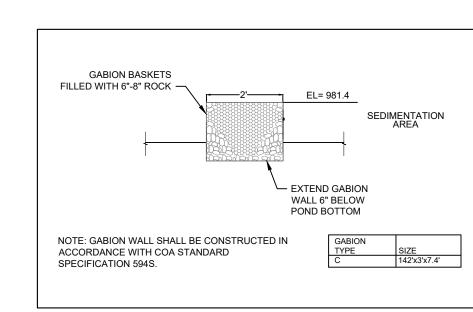
TW 983.50











**Impervious Cover Type** 

Street/Parking

**Residential Lots** Parking Lots Buildings

Stormwater Credit Type

Rainwater Harvesting

Roof-top Disconnection

Conservation Landscaping

**Effective Impervious Cover** 

Effective Drainage Area

1-year, 3-hour rainfall =

Biofiltration Basin

Retention/Irrigation Basin

Primary BMP (stand-alone BMP)

Wet Pond/Stormwater Wetlands

0.60

1.80

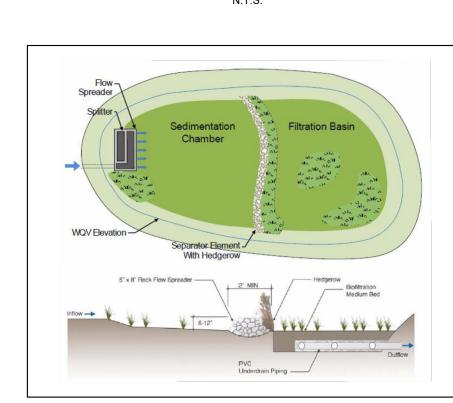
0.00

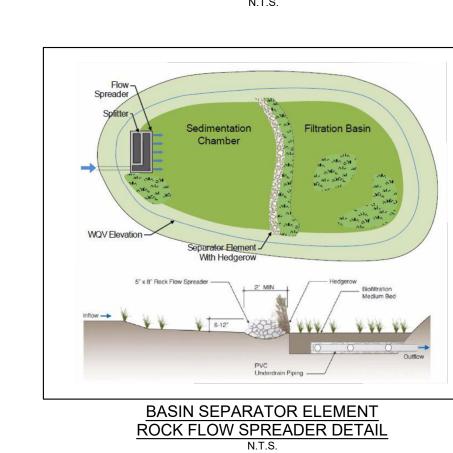
0.009

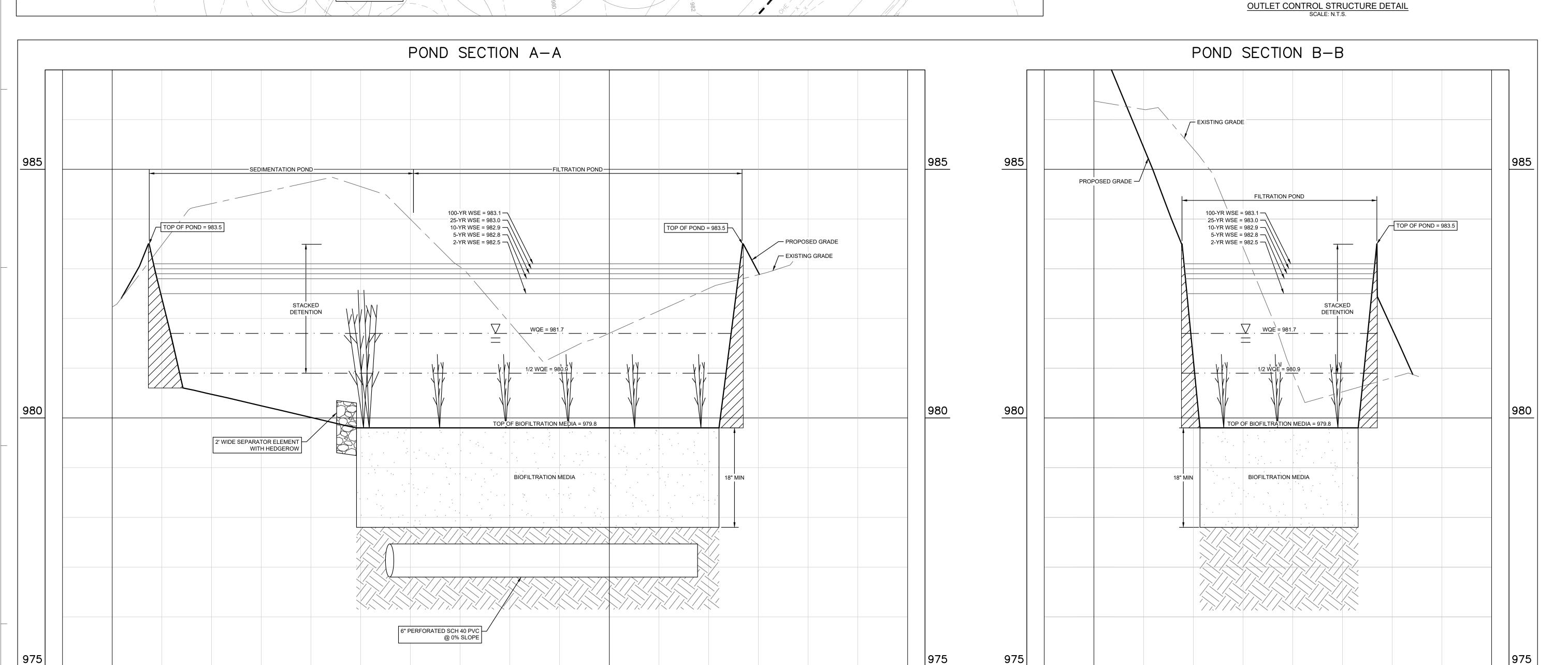
0+80

Porous Pavement









1+60

-0+10 0+00

TW 983.50

12' WIDE -

MAINTENANCE PATH

1+00

(MAX GRADE 4:1)

6" ACCESSIBLE CLEANOUT

FL 6" : 977.66

FILTRATION AREA

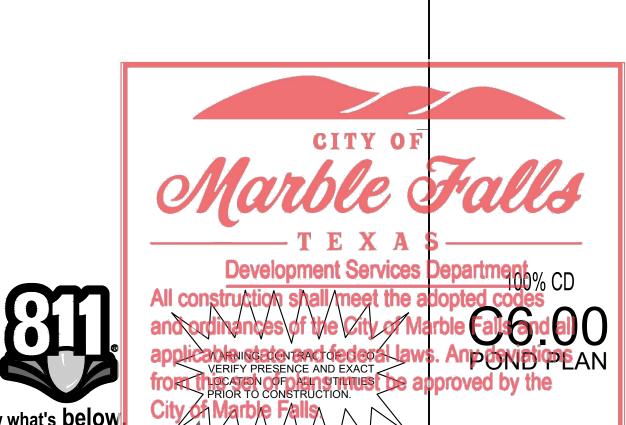
TOP OF MEDIA = 979.80

6" PERFORATED SCH 40 PVC

@ 0% SLOPE (TYP)

─ 6" CLEANOUT (TYP) FL 6": 977.55

10.0' (TYP)



DRAWN BY: SHD

REVISIONS:

-0+10 0+00

STA: 0+00.00 ST SB

UNDERDRAIN CONNECTION

TW 983.50

POND OUTFALL

FL 6": 978.00

48-HR DRAWDOWN

INSTALL PVC CAP ON END OF

PIPE AND DRILL ORIFICE FOR

5'X5' ROCK RIP RAP OUTFALL PROTECTION

D50 = 3.0"

SEPARATOR ELEMENT WITH HEDGEROW

OUTLET CONTROL

STRUCTURE

SEDIMENTATION AREA

2.<u>0% M</u>IN

ROCK BERM

FLOW SPREADER

STA: 0+62.23 ST SB

TO POND WALL

24" STORM OUTFALL

FL 24": 980.76 (NW)

CONNECT AND GROUT

ROCK RIP RAP

D50 = 3.0"

OUTFALL PROTECTION

(SEE PLAY FIELD SHEETS

FOR CONTINUATION)

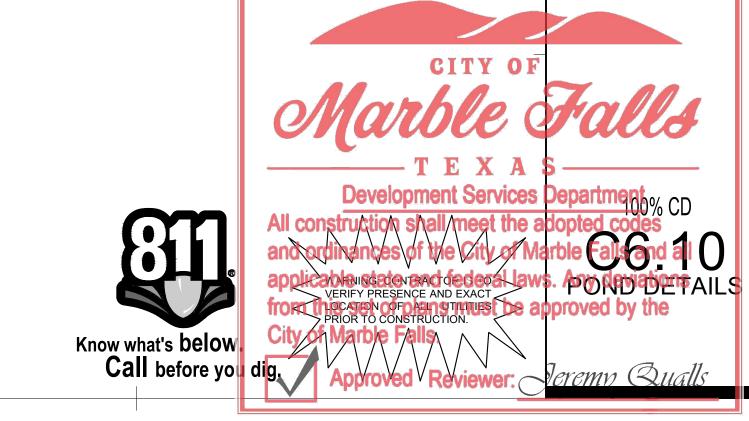
FL 24": 982.60 (SE)

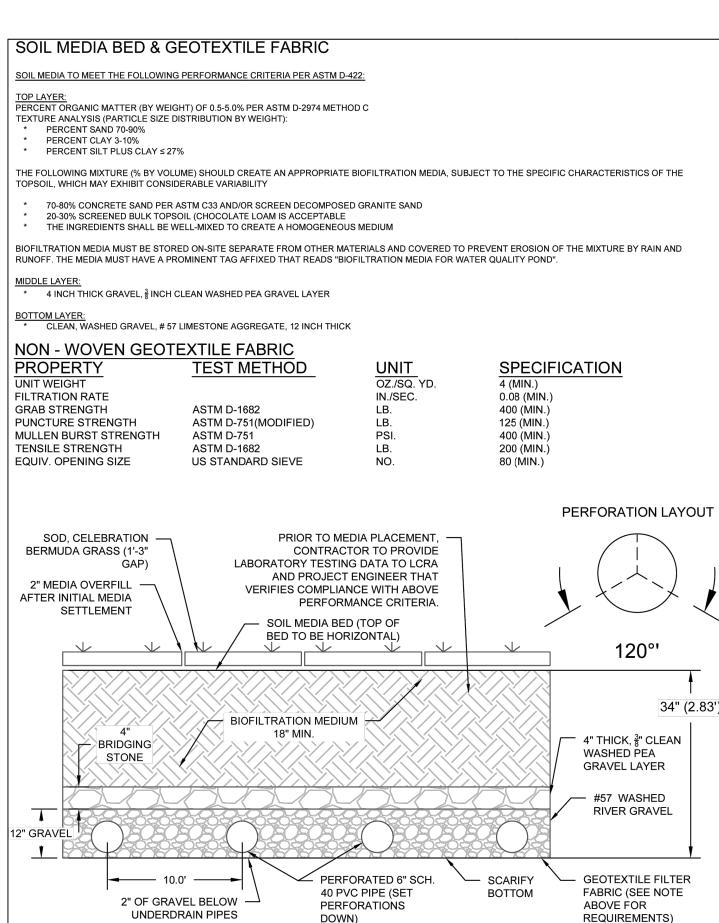
SOFTBALL FIELD

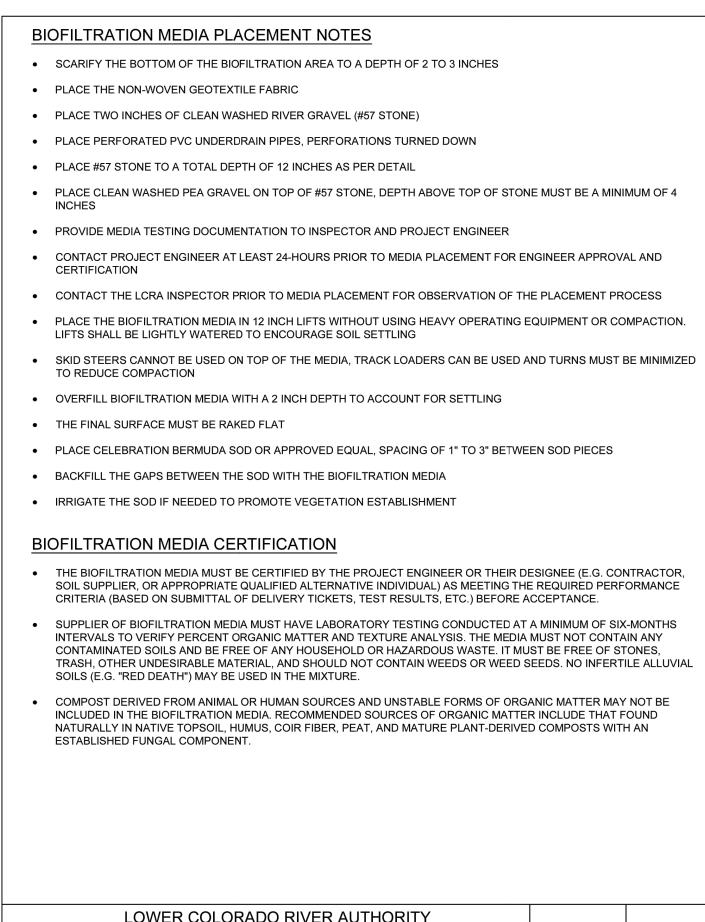
202

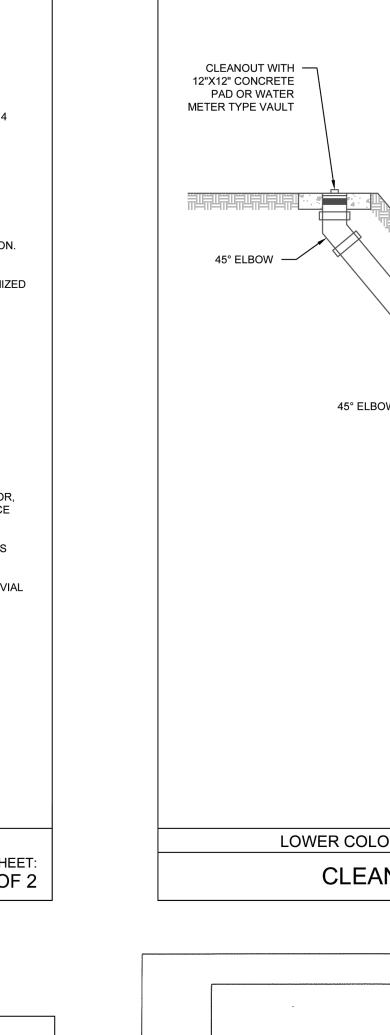
A

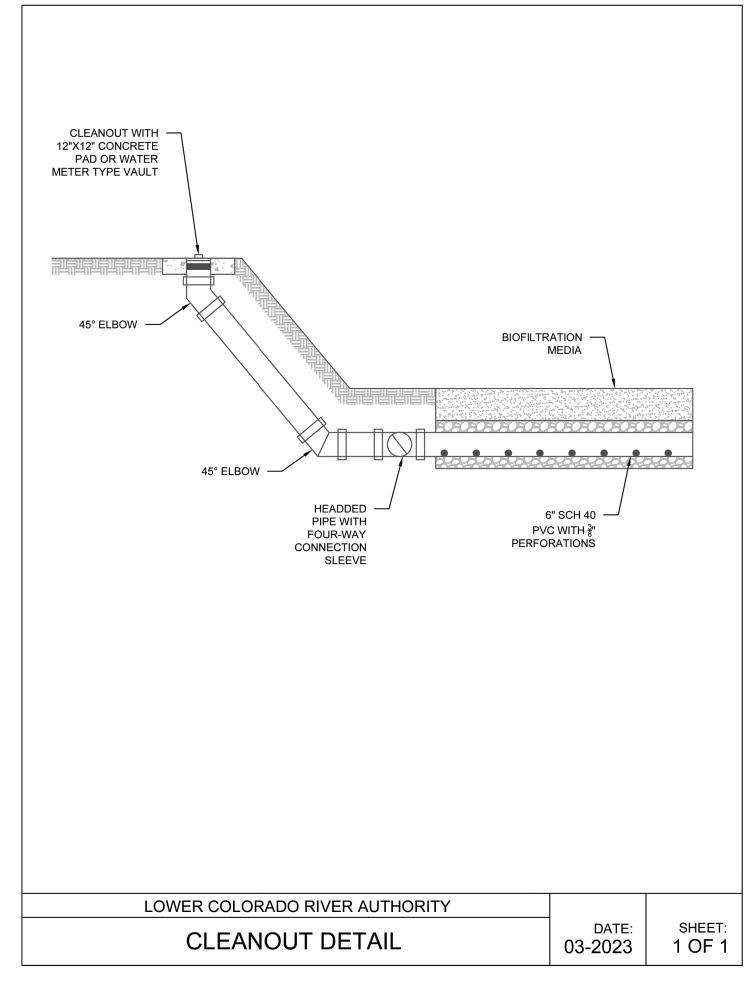


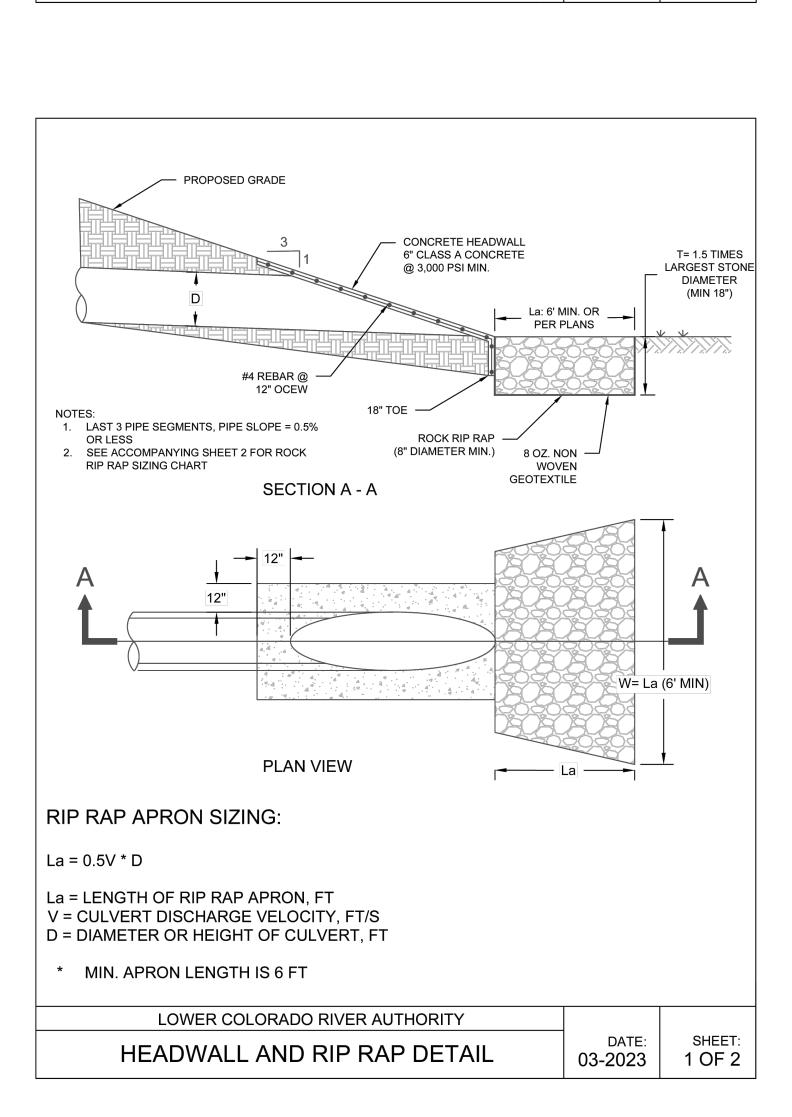


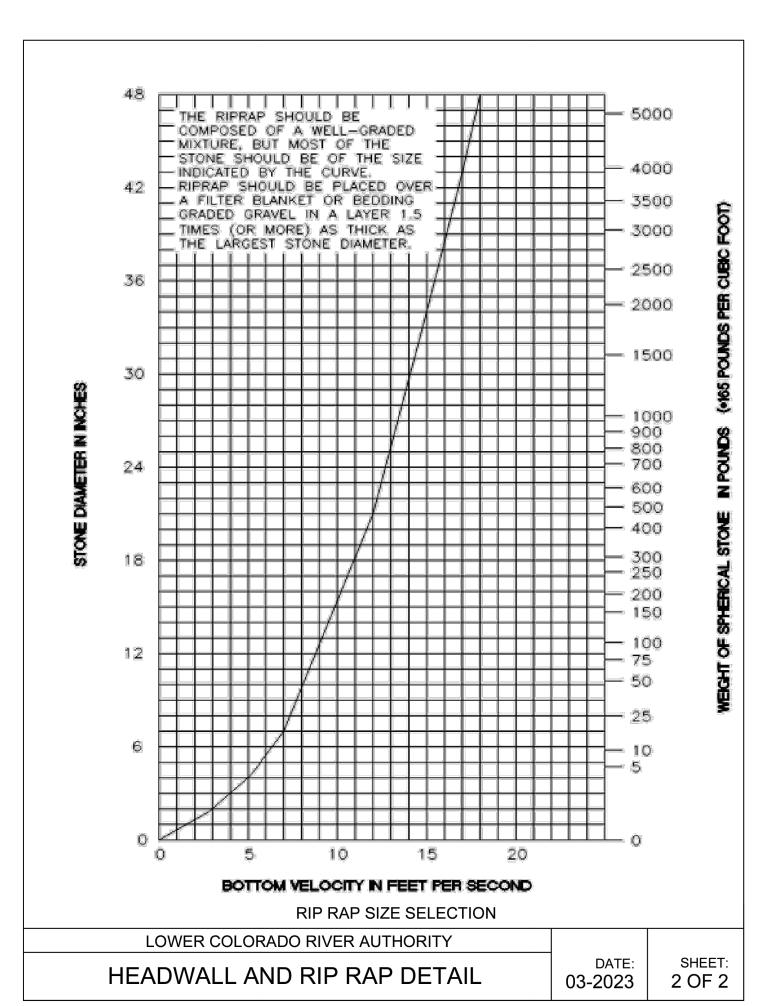


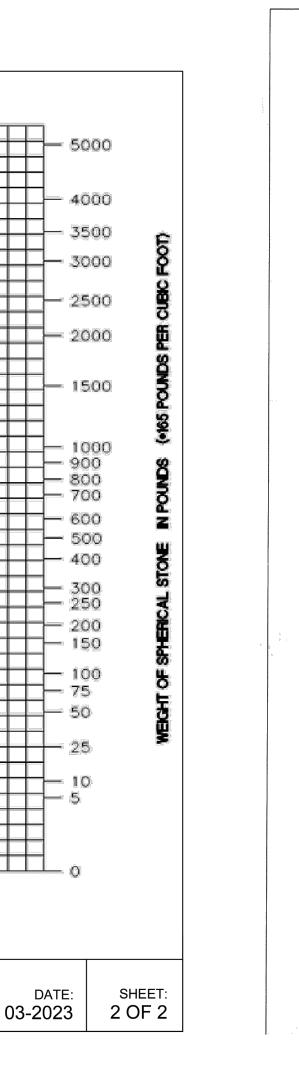


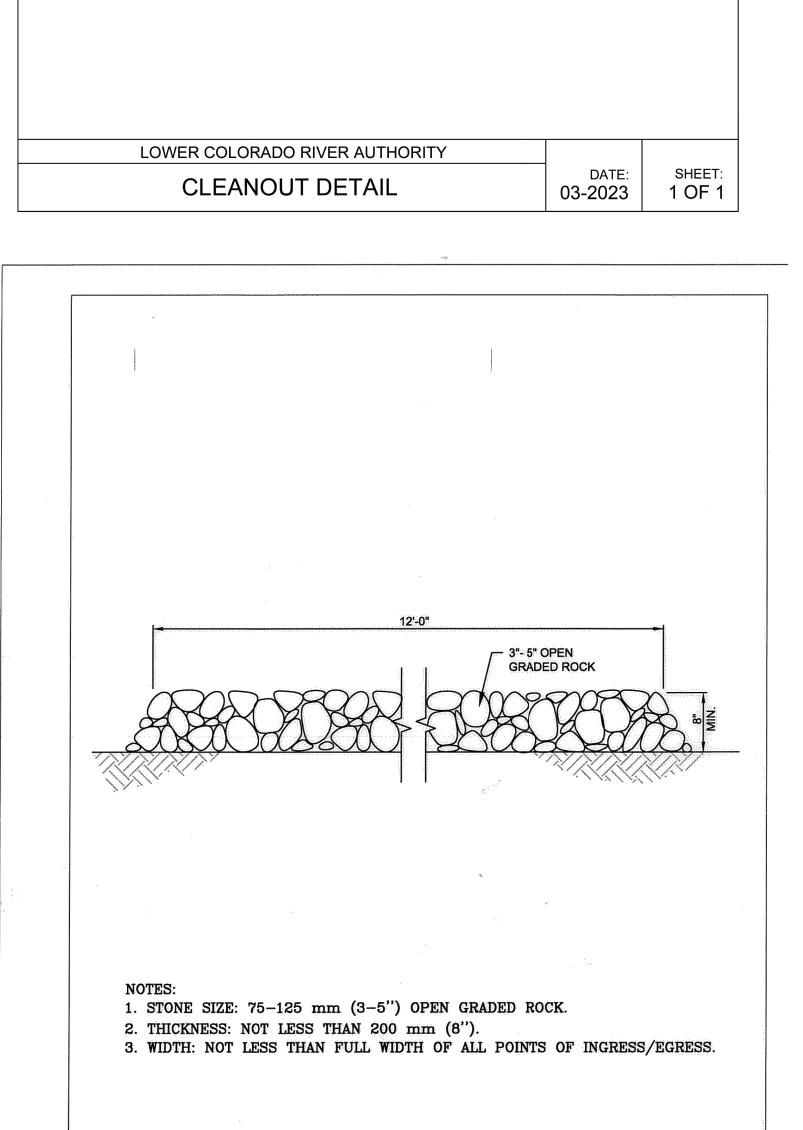


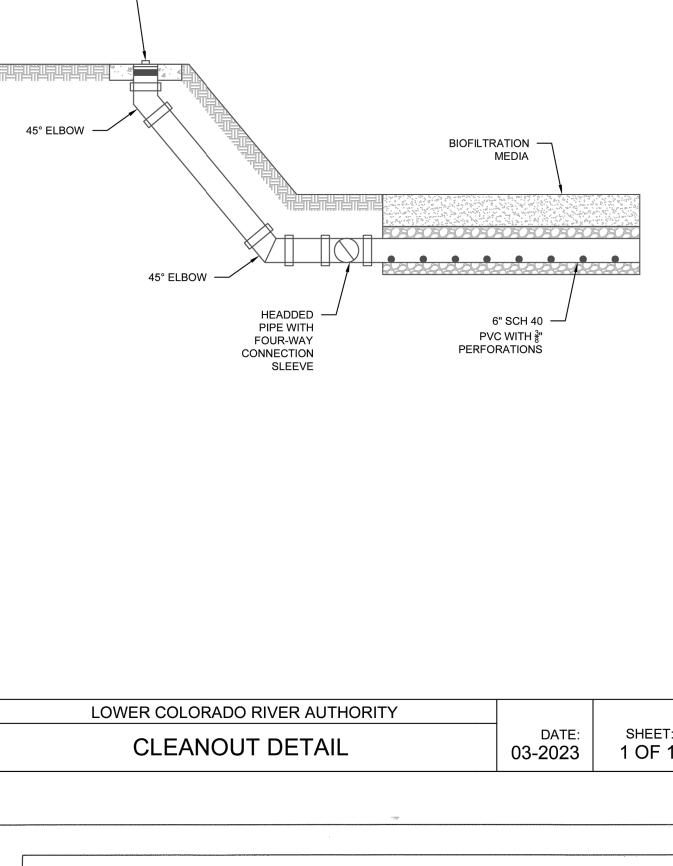














RAISED OUTLET -

PERFORATION LAYOUT

6" PVC WITH  $\frac{3}{8}$ " OPENING.

03-2023

TURN PERFORATIONS DOWN

BIOFILTRATION MEDIA

PERFORATED

PVC PIPE

(SCH 40)

- LINER (ONLY GRADE

REQUIRED)

PIPES AT 0%

SUBGRADE

2" OF GRAVEL

UNDERDRAIN

LOWER COLORADO RIVER AUTHORITY

BIOFILTRATION RAISED OUTLET DETAIL

8 OZ. NON WOVEN

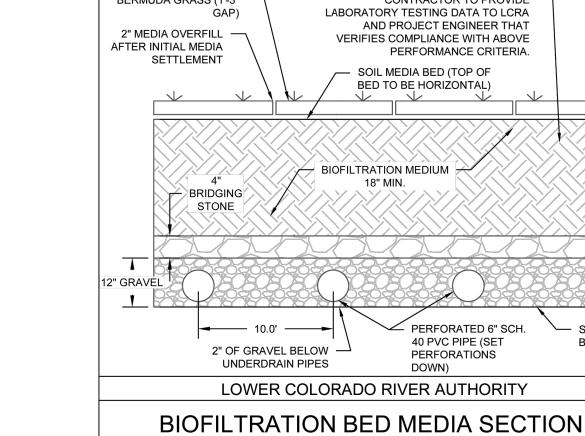
GEOTEXTILE

WASHED PEA GRAVEL



POND MAINTENANCE ROAD **CROSS SECTION** 

662S-2



REQUIREMENTS)

DATE:

08-2023 1 OF 2

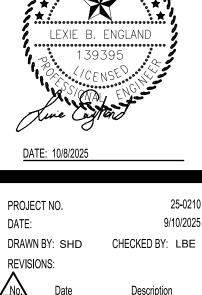
LOWER COLORADO RIVER AUTHORITY

08-2023

BIOFILTRATION BED MEDIA SECTION 2 OF 2

**CITY OF AUSTIN** DEPARTMENT OF PUBLIC WORKS

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.



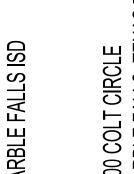
Development Services Department of All construction shall meet the adopted code and ordinances of the City of Marble (Falls)

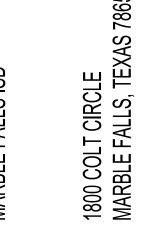
Know what's below Call before your dig, Approved











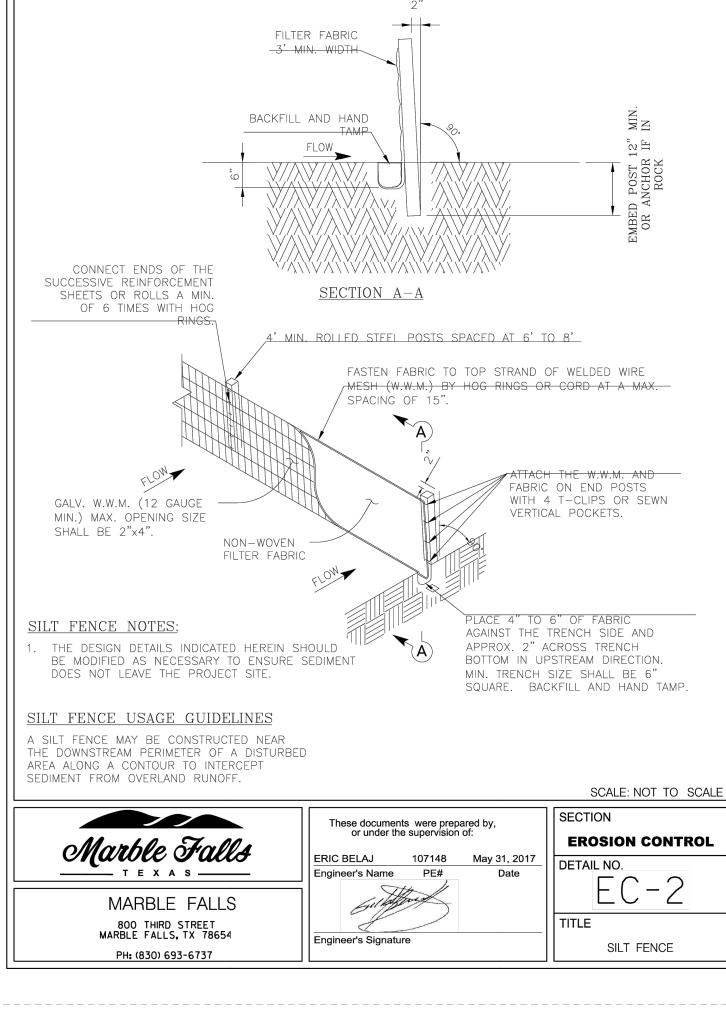












40 LB. SANDBAGS @3' O.C.

(SEE NOTE 1)

<sup>-</sup>12 GAUGE, 2'' × 4'' WIRE FABRIC STRUCTURE

(ALL 4 SIDES OF INLET)

- MINIMUM 4" HIGH

CLEAR OPENING

(SEE NOTE 1)

— 40 LB. SANDBAGS @3' O.C.

- 40 LB. SANDBAGS @3' O.C.

SCALE: NOT TO SCALE

**EROSION CONTROL** 

AREA INLET PROTECTION

SCALE: NOT TO SCALE

**EROSION CONTROL** 

CONCRETE WASHOUT

DETAIL NO.

TITLE

SECTION

DETAIL NO.

AREA

AREA INLET

2'' x 4'' WIRE FABRIC

STRUCTURE (ALL 4 SIDES OF INLET)

SECTION

WHERE MINIMUM CLEARANCES CAUSE TRAFFIC TO DRIVE IN THE GUTTER, THE CONTRACTOR MAY SUBSTITUTE

A 1"x4" BOARD SECURED WITH CONCRETE NAILS 3" O.C. NAILED INTO THE GUTTER IN LIEU OF SANDBAGS

A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL OR AS DIRECTED BY THE

ENGINEER OR DESIGNATED REPRESENTATIVE. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR

3. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN 📗

4. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM-WATER BEGINS TO OVERTOP THE CURB.

These documents were prepared by, or under the supervision of:

BERM, OR HAY BALES

SECTION A-A

1. DETAIL ILLUSTRATES MINIMUM DIMENSIONS. PIT CAN BE INCREASED IN SIZE DEPENDING ON EXPECTED

2. IF HAY BALES ARE USED, THEY SHALL BE PLACED IN ACCORDANCE WITH DETAILS SHOWN ON EXHIBIT

4. WASHOUT PIT SHALL NOT BE LOCATED IN AREAS SUBJECT TO INUNDATION FROM STORM WATER RUNOFF.

These documents were prepared by, or under the supervision of:

Engineer's Name PE#

3. WASHOUT PIT SHALL BE LOCATED IN AN AREA EASILY ACCESSIBLE TO CONSTRUCTION TRAFFIC.

ERIC BELAJ

Engineer's Name PE#

Engineer's Signature

ERIC BELAJ 107148 May 31, 2017

5. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

TO HOLD THE FILTER DIKE IN PLACE. UPON REMOVAL, CLEAN ANY DIRT/DEBRIS FROM NAILING LOCATIONS, APPLY CHEMICAL SANDING AGENT AND APPLY NON-SHRINK GROUT FLUSH WITH SURFACE OF GUTTER.

40 LB. SANDBAGS @3' O.C.—

(SEE NOTE 1)

MINIMUM 4" HIGH -

40 LB. SANDBAGS @3' O.C.

AREA/GRATE INLET PROTECTION:

HOG RINGS AT THIS LOCATION.

Marble Falls

MARBLE FALLS

800 THIRD STREET MARBLE FALLS, TX 78654

PH: (830) 693-6737

CONCRETE WASHOUT NOTES:

MARBLE FALLS

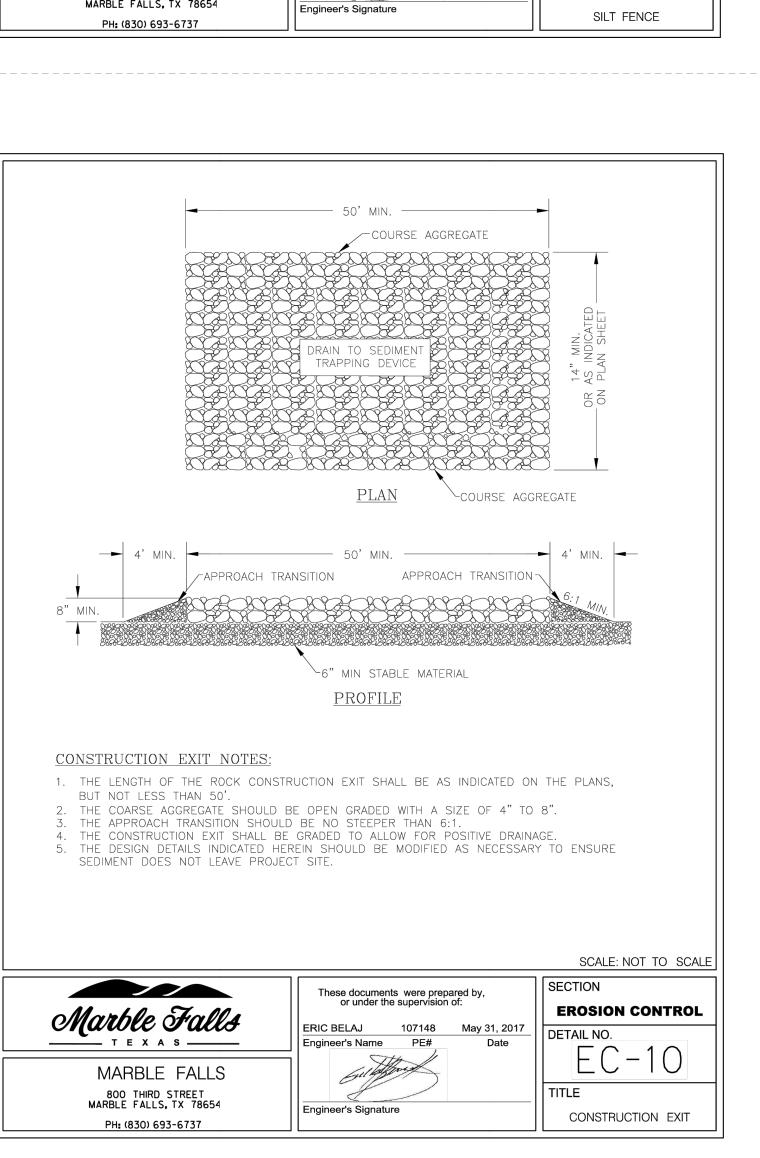
800 THIRD STREET MARBLE FALLS, TX 78654

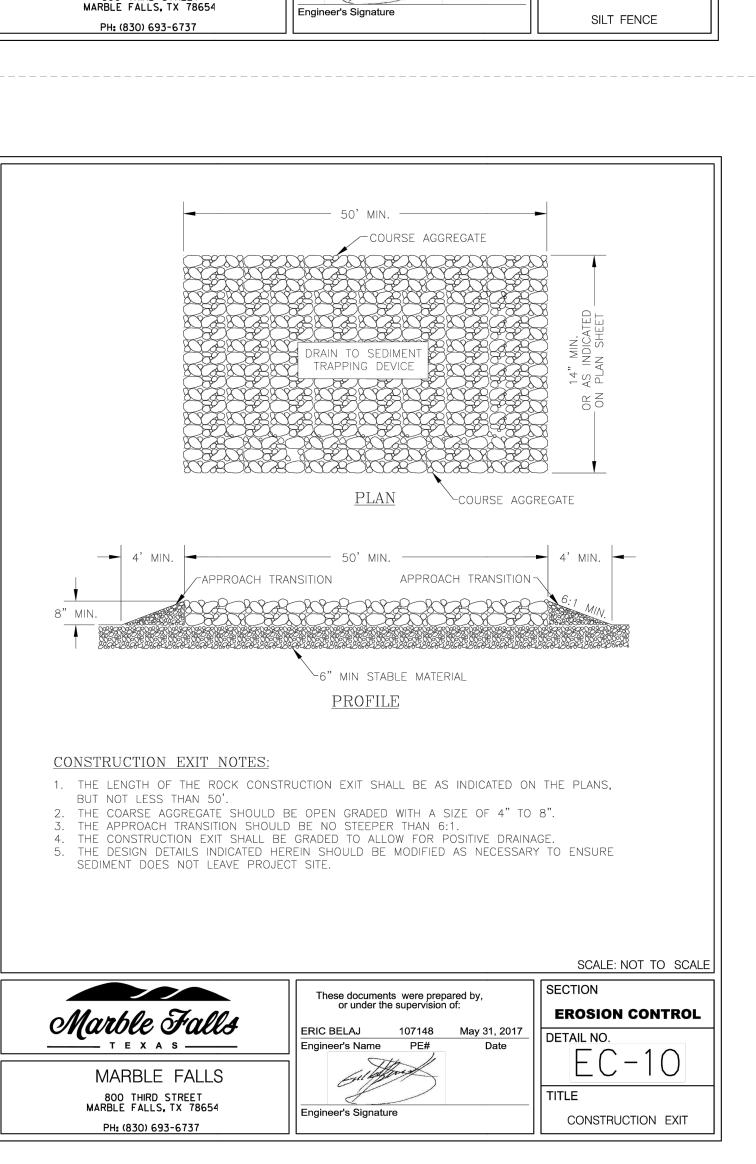
PH: (830) 693-6737

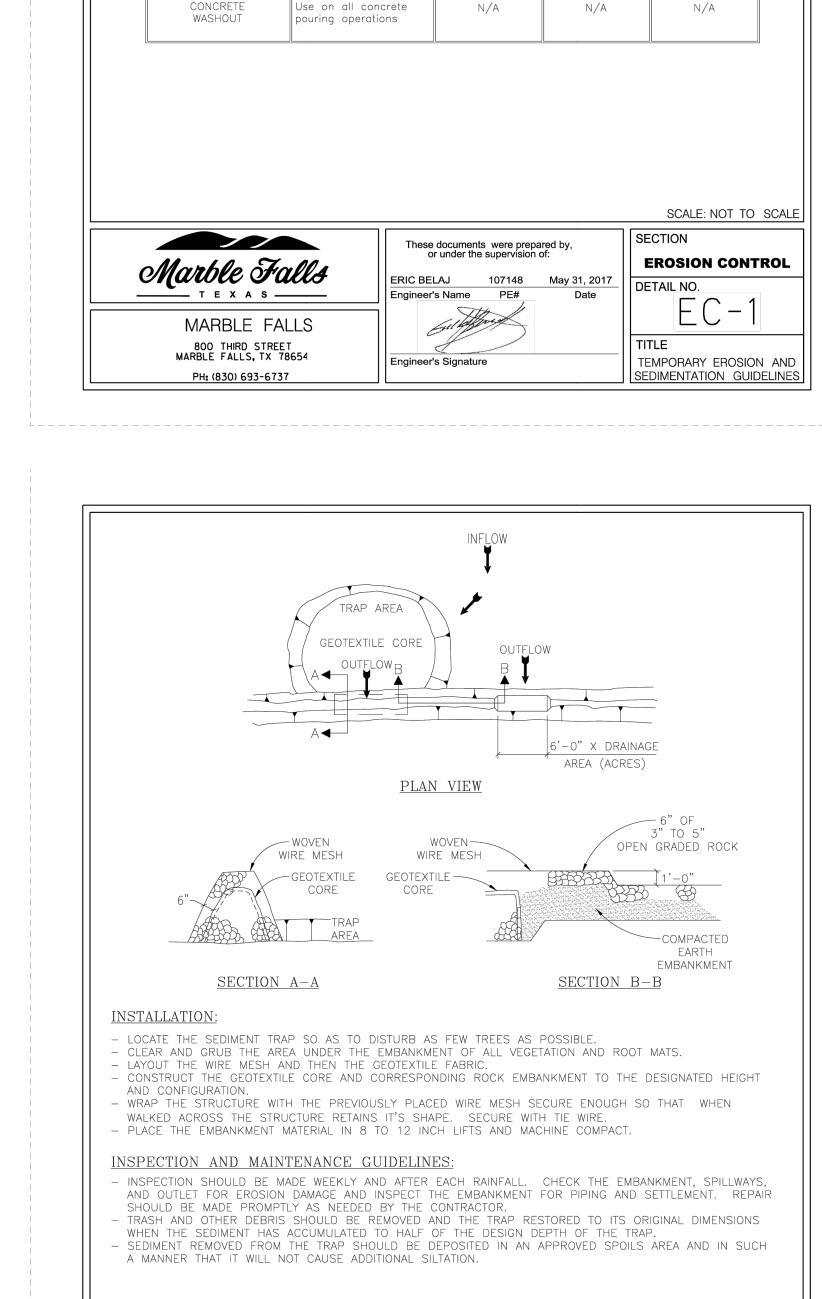
FOR HAY BALES.

DEPTH REACHES 2".

CLEAR OPENING







These documents were prepared by, or under the supervision of:

Engineer's Name PE#

ERIC BELAJ

MARBLE FALLS

800 THIRD STREET MARBLE FALLS, TX 78654

PH: (830) 693-6737

Guidelines for Selection of Temporary Erosion and Sedimentation Controls

DRAINAGE AREA

2 Acres

N/A

1 Acre

5 Acres

5 Acres

N/A

5-100 Acres

N/A

SLOPE

<20%

N/A

<10%

<30%

<30%

N/A

N/A

N/A

SPACING

200 ft.

200 ft.

N/A

150 ft.

150 ft.

N/A

N/A

N/A

SCALE: NOT TO SCALE

**EROSION CONTROL** 

SEDIMENT TRAP

DETAIL NO.

TITLE

APPLICATION

Areas of sheet flow or very minor channel

Downslope borders o

site; upslope border i necessary to divert offsite drainage

Areas within site

ainage swales and

ditches within and

Near critical features,

nigh flow areas withir

torm sewer inlets

appropriate for large

Should be used at a

designated access

eceiving drainage

sturbed areas

d below site

CONTROL TYPE

SILT FENCE

SILT FENCE

(Perimeter)

TRIANGULAR

BERM

HIGH SFRVICE

ROCK BERM

PROTECTION

SEDIMENT

CONSTRUCTION

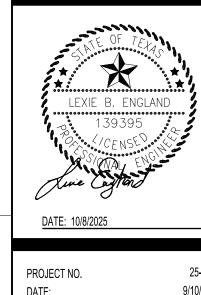
CONCRETE

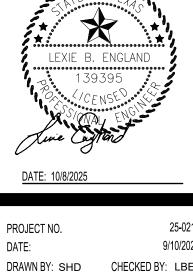
BASIN

Development Services Deposition shall/meet the adortion shall/meet the adortion shall/meet the adortion and ordinances of the City of Mark application of particular prior to construction.

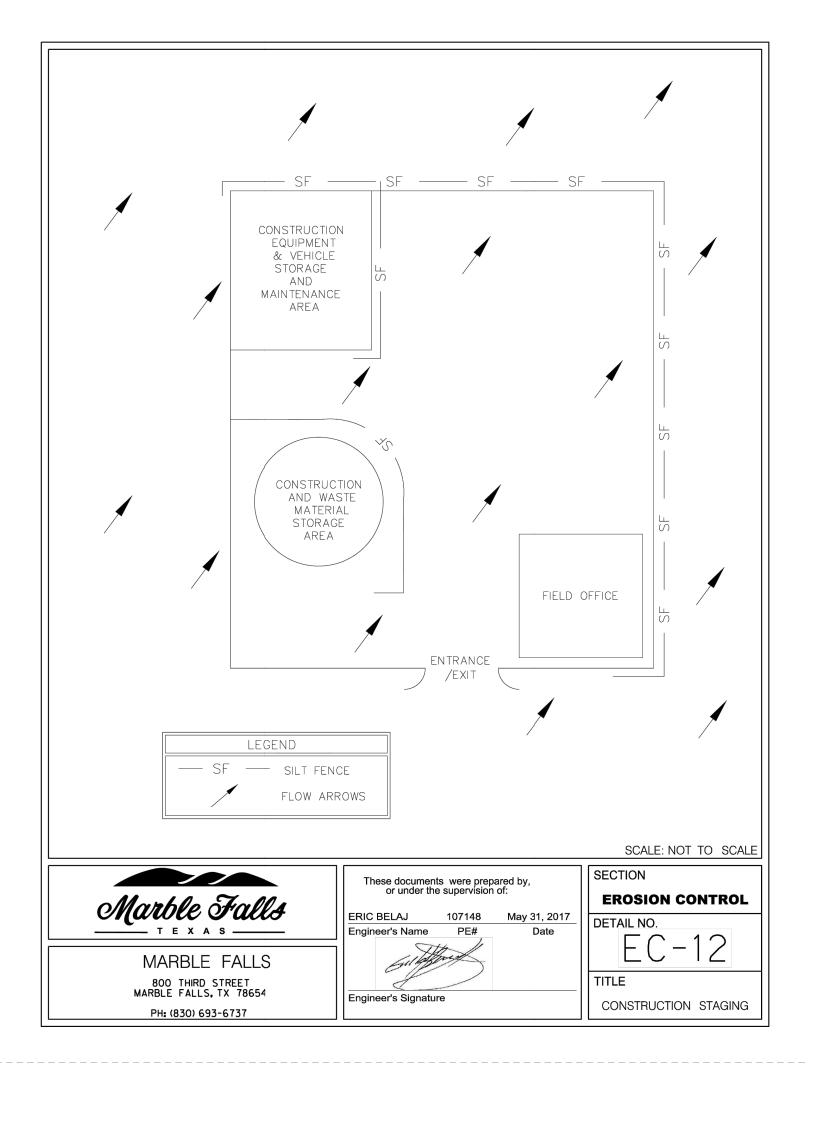
Know what's below Call before you dig.

Approved Reviewer:









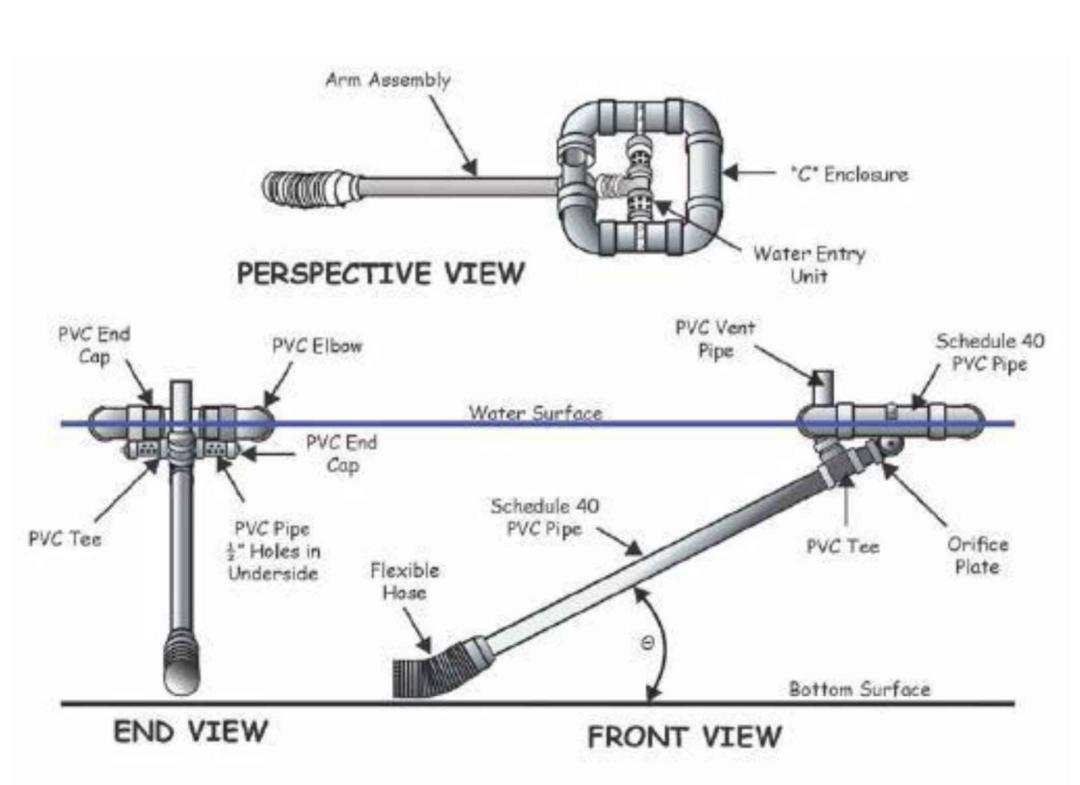


Figure 6.64a Schematic of a skimmer, from Pennsylvania Erosion and Sediment Pollution Control Manual, March, 2000.



BOND

2025

Development Services Department CD All construction shall/neet the adopted codes and ordinances of the City of Marble Falls applicant interpretations from interpretations of Anni Struction.

Know what's below Call before your dig. Approved Reviewer:



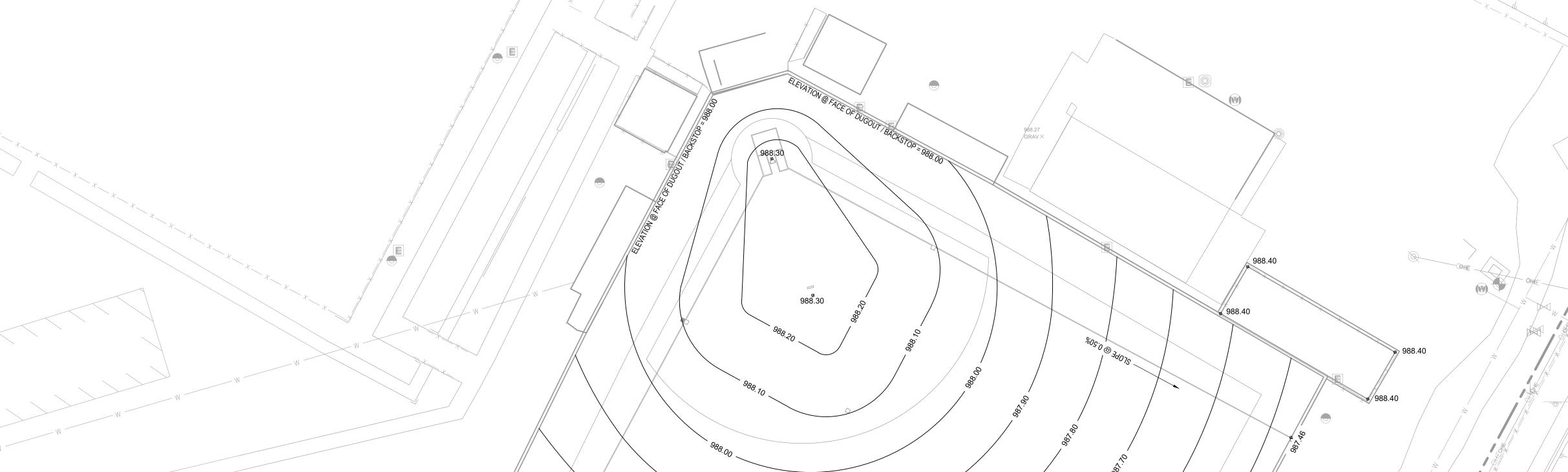
—— 993.40 —— CONTOUR ELEVATION

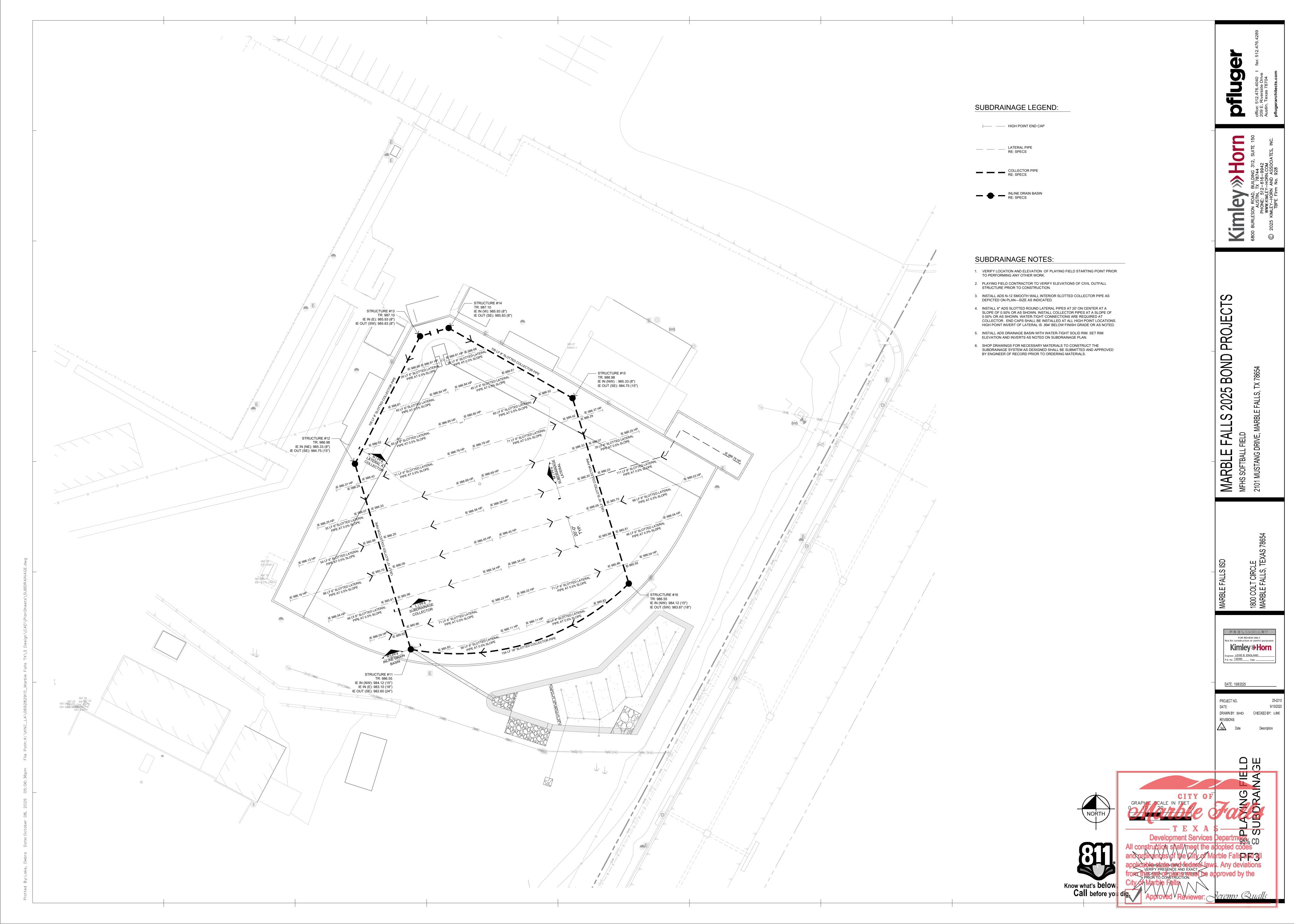
993.40 SPOT ELEVATION

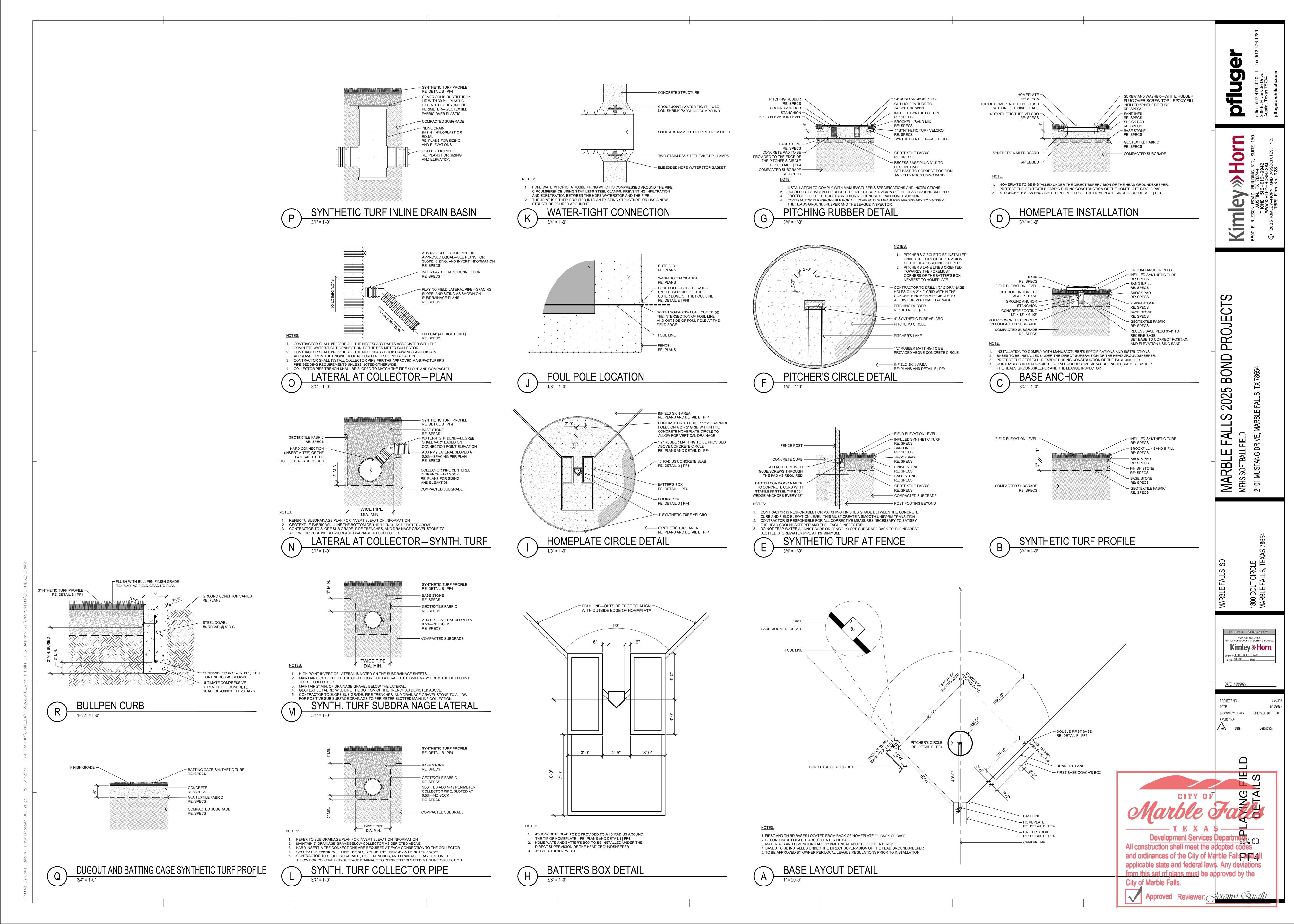
# **GRADING NOTES:**

- 1. GRADE FIELD FINISH STONE TO A SMOOTH, EVEN PLAYING SURFACE TO THE
- SPOT ELEVATIONS AND CONTOURS INDICATED. 2. FINISH GRADES INDICATED REPRESENT ELEVATIONS AFTER FIELD IS COMPACTED, LAID WITH SYNTHETIC TURF, AND INFILL INSTALLED TO PROPER DEPTHS PER SPECIFICATIONS.
- 3. REFERENCE PLAYING FIELD DETAILS FOR FIELD SUBDRAINAGE SYSTEM. 4. CONTOUR INTERVAL IS ONE-TENTH FOOT EXCEPT WHERE NOTED OTHERWISE. 5. SYNTHETIC SURFACE: CONTRACTOR TO FIELD VERIFY FINISH ELEVATION AT
- EACH AT EACH LAYER PRIOR TO PROCEEDING WITH SUBSEQUENT LAYER OF WORK—INCLUDING SUBGRADE, DRAINAGE GRAVEL, AND FINISH SYNTHETIC 6. THE PLAYING FIELD CONTRACTOR SHALL SUBMIT A FIELD GRADING AS-BUILT AT A 25' × 25' GRID, DEMONSTRATING THAT THE PLAYING FIELD FINISH GRADING HAS A UNIFORM SLOPE AND GRADE. THE AS-BUILT SURVEY MUST BE SIGNED AND SEALED BY A CERTIFIED LAND SURVEYOR IN THE STATE OF TEXAS. SUBMIT THE SIGNED AND SEALED DOCUMENTS TO THE LANDSCAPE ARCHITECT OF RECORD FOR APPROVAL.

- 1. REFER TO PLAYING FIELD DETAILS FOR SUBGRADE ELEVATIONS.
- 2. SUBGRADE TOLERANCES: SUBGRADE ELEVATION MAY VARY WITHIN A TOLERANCE OF 1/2 INCHES IN 10 FEET, MEASURED IN ANY DIRECTION. 3. THE PLAYING FIELD CONTRACTOR SHALL SUBMIT A FINISH STONE GRADING AS-BUILT AT A 25' × 25' GRID, DEMONSTRATING THAT THE PLAYING FIELD SUBBASE GRADING HAS A UNIFORM SLOPE AND GRADE, PRIOR TO COMMENCING WITH THE SYNTHETIC TURF INSTALLATION. THE AS-BUILT SURVEY MUST BE SIGNED AND SEALED BY A CERTIFIED LAND SURVEYOR IN THE STATE OF TEXAS. SUBMIT THE SIGNED AND SEALED DOCUMENTS TO THE LANDSCAPE ARCHITECT OF RECORD FOR APPROVAL.







Kimley >>> Horn
6800 BURLESON ROAD, BUILDING 312, SUITE 150 BOND PROJECTS 2025 MARBLE FALLS ?

MFHS SOFTBALL FIELD

2101 MUSTANG DRIVE, MARBLE 1800 COLT CIRCLE MARBLE FALLS, TEXAS 78654 FOR REVIEW ONLY
Not for construction or permit purposes.

Kimley Horn

Engineer LEXIE B. ENGLAND
P.E. No. 139395
Date PROJECT NO. 25-0210
DATE: 9/10/2025
DRAWN BY: SHD CHECKED BY: LBE
REVISIONS:
No. Date Description 25-0210 9/10/2025 PEDESTRIAN GATE — RE: HARDSCAPE DETAILS LOCATE PER PLAN 43'-0" BULLPEN PITCHING RUBBER — RE: DETAIL B | PF6 SYNTHETIC TURF AT FENCE — AT BULLPEN RE: DETAIL E | PF4 Development Services Department All construction shall meet the adopted codes SYNTHETIC TURF PROFILE — RE: DETAIL B | PF4 and ordinances of the City of Marble Falls and applicable state and federal laws. Any deviations from this set of plans must be approved by the SOFTBALL BULLPEN LAYOUT City of Marble Falls.

Approved Revi

By:Lake, Debra Date:October 08, 2025 05:08:39pm File Path:K:\KNC\_LA\069282910\_Marble Falls TX\3 Design\CAD\PlanSheets\DETAlLS\_SB.dwg

A

PROJECT NO. DRAWN BY: SHD REVISIONS:

Approved Reviewer: Jeremn Qualls

and ordinances of the City of Marble Falls and all

from this set of plans must be approved by the

City of Marble Falls.

 HIGH DURABILITY MOLDED RUBBER CO. SHP-UM HOLL YWOOD MLB® Development Services UNIVERSAL PRO S YLEAHOME PLATE ION shall meet the adopted codes NOT TO SCALE applicable state and federal laws. Any deviations

TO BE APPROVED BY OWNER PER LOCAL LEAGUE REGULATIONS PRIOR TO PURCHASE.

Sportsfield Specialties, Inc. 11152019

 OFFICIAL SIZE HOLLYWOOD MLB® UNIVERSAL PRO STYLE HOME PLATE WITH SEVEN INCH (7") STANCHION WITH ONE (I) GROUND ANCHOR AND ONE (I) ANCHOR

PLUG AND FIVE (5) ZINC-PLATED MOUNTING

HOME PLATE

 I I/2" THICK • 18 LB. SHIPPING WEIGHT PERMANENT OR REMOVABLE INSTALLATIO

SUPPLIER: SPORTSFIELD SPECIALTIES

INSTALL PER MANUFACTURER'S SPECS.

PHONE: 888-975-3343

QTY:

ADDRESS: 41155 STATE HIGHWAY 10, PO BOX 231, DEHLI, NY 13753

TO BE APPROVED BY OWNER PER LOCAL LEAGUE REGULATIONS PRIOR TO PURCHASE.

Hollywood dual stanchion removable pitching rubber

Includes regulation 6" x 24" pitching rubber and dual

SHLBMPR224 - 24" Dual Stanchion Removable

Pitching Rubber

stanchion ground anchor

PITCHING RUBBER

ADDRESS: 41155 STATE HIGHWAY 10, PO BOX 231, DEHLI, NY 13753

SUPPLIER: SPORTSFIELD SPECIALTIES

NOTES:
INSTALL PER MANUFACTURER'S SPECS.

PHONE: 888-975-3343

Ground anchor plugs sold separately

INSTALL PER MANUFACTURER'S SPECS. TO BE APPROVED BY OWNER PER LOCAL LEAGUE REGULATIONS PRIOR TO PURCHASE. EIGHT INCH (8") FEMALE GROUND ANCHORS SET OF THREE (3) 1 3/4" SQUARE

SUPPLIER: SPORTSFIELD SPECIALTIES

PHONE: 888-975-3343

QTY: 2 SETS

ADDRESS: 41155 STATE HIGHWAY 10, PO BOX 231, DEHLI, NY 13753

SHBBP-44 GROUND ANCHOR MOUNTS NOT TO SCALE

GROUND ANCHORS

• 5 LB. SHIPPING WEIGHT

CLEANS EASILY WITH SCHUTT DIGOUT TOOL

SPORTSFIELD SPECIALTIES, INC. 12-19-2017

SUPPLIER: BSN SPORTS, LLC ADDRESS: 8309 MELROSE DRIVE, LENEXA, KS 66214 PHONE: 800-856-3488

QTY: NOTES: INSTALL PER MANUFACTURER'S SPECS. TO BE APPROVED BY OWNER PER LOCAL LEAGUE REGULATIONS PRIOR TO PURCHASE.

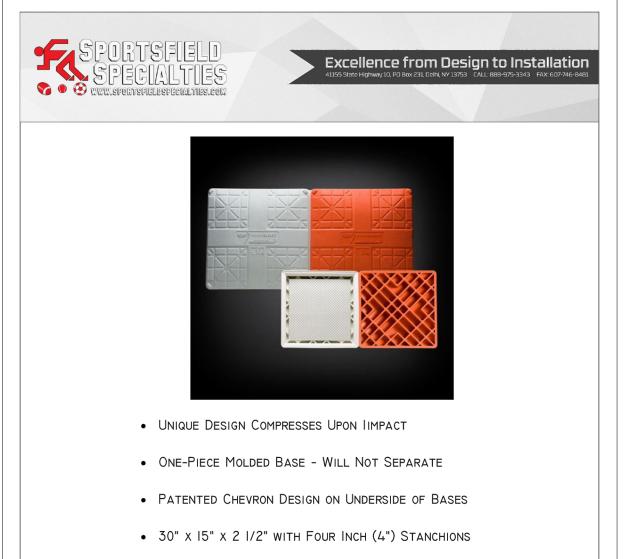
**BSN** SPORTS Supplier: BSN Sports Bases Included: First, Second, Third Brand: Schutt™ Color: White Grounding Type: Ground Sleeve Material: Rubber, Steel Product Height: 3 in Product Length: 15 in Product Width: 15 in Weather Resistance: Yes Quantity: 3 SKU: GRP1003403 Pid: 56555 Brand: Schutt™ Ship Method: Ships FedEx Part Number: BBPL12901010 Material Number: 1036930 Natural rubber cover and steel stanchion withstand heavy use Tapered-lip, ground-hugging feature prevents the base edges from turning up Modular design allows easy replacement of worn-out parts • 15 in. width x 15 in. length x 3 in. height provides a big-league playing experience with the style of bases that have been used on Major League Baseball fields since 1939 Requires base plugs and ground anchors (sold separately) THE ORIGINAL JACK CORBETT® BASES USED BY MAJOR LEAGUE BASEBALL
SINCE 1939 Natural rubber cover and steel stanchion withstand heavy use Tapered-lip, ground-hugging feature prevents the base edges from turning up Modular design allows easy replacement of worn-out parts • 15 in. width x 15 in. length x 3 in. height provides a big-league playing experience with the style of bases that have been used on Major League Baseball fields since 1939 Requires base plugs and ground anchors (sold separately)

Schutt® Original Jack Corbett® MLB® Hollywood Base BSN SPORTS | PO Box 7726 Dallas TX 75209 | 1-800-856-3488 | www.bsnsports.com

BASES

SUPPLIER: SPORTSFIELD SPECIALTIES ADDRESS: 41155 STATE HIGHWAY 10, PO BOX 231, DEHLI, NY 13753 PHONE: 888-975-3343 QTY: 1 INSTALL PER MANUFACTURER'S SPECS.

TO BE APPROVED BY OWNER PER LOCAL LEAGUE REGULATIONS PRIOR TO PURCHASE.



 Includes Two (2) IMPACT® BASES AND ONE (I) DOUBLE FIRST BASE

GROUND ANCHORS AND ANCHOR PLUGS SOLD SEPARATELY

47 LB. SHIPPING WEIGHT

SPORTSFIELD SPECIALTIES, INC. 12-19-2017

SHIBD HOLLYWOOD IMPACT® DOUBLE FIRST BASE SET

NOT TO SCALE DOUBLE FIRST BASE

SUPPLIER: SPORTSFIELD SPECIALTIES ADDRESS: 41155 STATE HIGHWAY 10, PO BOX 231, DEHLI, NY 13753 PHONE: 888-975-3343 NOTES:
INSTALL PER MANUFACTURER'S SPECS.

QTY:

TO BE APPROVED BY OWNER PER LOCAL LEAGUE REGULATIONS PRIOR TO PURCHASE. **Excellence from Design to Installation** ♦ • • • www.sportsfield.com Standard Powder Coated Yellow Finish, \*White or Orange Available Upon Request to Meet Current NCAA Softball Field of Play, Foul Pole Rule 2.16.1 Requiring a Contrasting Color to the Ball that Became Mandatory in 2018 1/8" Stamped Aluminum With Double — Wing Lengt (See Table Foul Pole Ground Sleeve— Prevents Rotation of Foul Pole Embedment Depth Foundation Requirements (See Ṭable) Based on Local Codes and Soil Conditions Pole Material Ground Sleeve Foul Pole with Wing Sportsfield Specialties Inc 06302020

Modularized Steel Structure, Constructed Using 2" —Squared Guard Rail Padding— Tubing, Powder Coated Black Clamps, Brackets and Hardware Not Shown Concrete 7" Sq x 3/8" Thick Ultra Cross Knotless Base Plates Black Dyneema® 3/8" x 5" Wedge Netting, 1-3/4" Square
Apphore Included Mesh Anchors Included Various Standard Vinyl Colors Available, Structural Integrity and Optional Custom Digital Graphics and/or Lettering Available Upon Request Capacity of Concrete Determined by Others Minimum Edge Distance Part # Height Edge Distance —Hold to Prevent Concrete Rupture (See Table)

(42"H x 24'L Segment Shown)

SUPPLIER: SPORTSFIELD SPECIALTIES

INSTALL PER MANUFACTURER'S SPECS.

PHONE: 888-975-3343

QTY: PER PLAN

ADDRESS: 41155 STATE HIGHWAY 10, PO BOX 231, DEHLI, NY 13753

TO BE APPROVED BY OWNER PER LOCAL LEAGUE REGULATIONS PRIOR TO PURCHASE.

DUGOUT GUARD RAIL SYSTEM

GRS 3'H - 4'H Guard Rail Systems

Sportsfield Specialties Inc 06102024

Graphic Rendering to be

Completed upon

Verification of Field

BaseZone® Field Wall Padding

SUPPLIER: SPORTSFIELD SPECIALTIES ADDRESS: 41155 STATE HIGHWAY 10, PO BOX 231, DEHLI, NY 13753 PHONE: 888-975-3343 QTY: PER PLANS VERIFY WALL HEIGHT PRIOR TO PURCHASE.

INSTALL PER MANUFACTURER'S SPECS. TO BE APPROVED BY OWNER PER LOCAL LEAGUE REGULATIONS PRIOR TO PURCHASE. SUBMIT PRODUCT SAMPLE TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO PURCHASE. Excellence from Design to Installatio
41155 State Highway 10, PO Box 231, Delhi, NY 13753 CALL: 888-975-3343 FAX: 607-746-84 3 3/4" 3/4" Square Edge AdvanTech Water Resistant Composite Sheathing Panel, All Sides Stained and Sealed with Exterior Grade Finish -#12 x 1" Stainless Steel Screw Aluminum Z-Clips, Top and Bottom (Intermediate Row of Clips for Pads 6' and Higher) Z-Clip Wall Mount \_\_3" Thick High Impact Polyurethane Foam Aluminum Backing Plates -1/4" x 2" Galvanized Steel Lag Bolt Optional Custom Digitally Printed Lettering And/Or Graphics Available High UV Resistance, Various Standard Colors Available 
 Part Numbers \*
 Size

 BFWPZ44/BFWPZ44DG
 4'W x 4'L x 3.75"D
 Attachment \*DG Part Number Denotes Z-Clip Wall Mount Custom Digitally Printed BFWPZ46/BFWPZ46DG 4'W x 6'L x 3.75"D Z-Clip Wall Mount BFWPZ48/BFWPZ48DG 4'W x 8'L x 3.75"D BFWPZ-NSS/BFWPZDG-NSS 4'W x 2.83'L x 3.75"D Z-Clip Wall Mount Final Layout and/or

FIELD WALL PADDING

BFWPCL44/BFWPCL44DG 4'W x 4'L x 3.75"D Chain Link Bolt and Plate Mount

BFWPCL46/BFWPCL46DG 4'W x 6'L x 3.75"D Chain Link Bolt and Plate Mount

BFWPCL48/BFWPCL48DG 4'W x 8'L x 3.75"D Chain Link Bolt and Plate Mount BFWPCL-NSS/BFWPCLDG-NSS \_'W x \_'L x 3.75"D | Chain Link Bolt and Plate Mount