

Felps Work Order #: 6547, dated 03/20/25,
has been reviewed by AGCM.

No Exceptions as submitted.

Catherine Blackler, SPM - AGCM
April 10, 2025



Price is valid for 30 days only from date staked.				
STK503598v2		WR #:	6547	
ne:	La Vernia Isd	Wo Type:	System Improvement	
ep:	15188000	Svc. Addr.:	195 Bluebonnet Rd.	
City	19 - LaVernia City	Tax Exempt?	No	
County:	Wilson County			
WCESD?	Dist. 1 & 3	Rate:	400: Large Commercial	
Staked By:	Benny			
Work Plan #:	System Improvement/New Constr		Date:	03/20/2025
Const Code:	Contract		Primary Phone	8304211193
Billing Addr. (If different from Svc. Address)			Other Phone 1	
			Other Phone 2	

Customer Cost Description			
Customer Class: 3-PHASE COMMERCIAL, ABOVE 800 AMPS			
Account #415.00 - Meter Can, Meter Pole, Labor To Set Meter Pole, Taxed			
Material Description	Quantity	Unit Cost	Total Cost
Total of Taxable Items (Account #415.00)			\$0.00
Account #415.00 - Meter Equipment, Non-Taxed			
Material Description	Quantity	Unit Cost	Total Cost
MTR FORM 9S W/ DEM 277/480	1	\$315.17	\$315.17
METER SOCKET 13TERM W/ TEST SW	1	\$436.66	\$436.66
TRANSF CT SEC-1200:5 BUSS MNT	3		
TRANSF PT 2.5.1 RO 300V-120VSEC	3	\$336.00	\$1,008.00
Total of Non-taxable Items (Account #415.00)			\$1,759.83
Account #414.02 - Service Run Materials			
Material Description	Quantity	Unit Cost	Total Cost
UNDERGROUND SERVICE LOCATION	1.00		
Total of Service Run Items (Account #414.02)			\$0.00
Account #414.01 - Line Extension Materials			
Material Description			Total Cost
Primary Line Materials			\$7,780.29
FELPS Contribution			(\$3,500.00)
Total of Line Extension Items, Customer Cost (Account #414.01)			\$4,280.29

Line Items			
Additional Charges:	\$26,830.20	Line Item Description:	(414.01) Transformer cost \$24207.00 (415.00)Secondary lugs w/nuts & bolts \$1723.20 (415.00) 1200 to 5 cts \$900.00
Additional Credits:	\$0.00		
Comments:	3Φ 3000 amp 277/480 service for school		
LCP Paid:		Total Taxable Items:	\$0.00
MSD Paid:		Total Non-Taxable Items:	\$6,040.12
Application Signed:		City Sales Tax (Account #236.01):	\$0.00
Initials:	Date:	State Sales Tax (Account #236.06):	\$0.00
		Connect Fee (Account #451.00):	\$100.00
		Line Items Total:	\$26,830.20

Customer Final Cost:		\$32,970.32
Location Number	Description	
190021716		

** See attached for
confirmation and
explanation of cost

From: [Catherine Blackler](#)
To: [Benny McGowan](#); [Christian Cortes](#); [Patrick Hosek](#)
Cc: [Michael Rogers](#); [Alexander Ragland](#)
Subject: RE: WR#6547_195 Bluebonnet Rd
Date: Wednesday, April 2, 2025 7:02:00 PM
Attachments: [image002.png](#)

Benny,

Thank you for the clarification. Based on the information provided, we will present it to the board for approval at the April board meeting.

In the meantime, could you please have an invoice prepared? I assume the LVISD CFO will need it to process the payment once she gets Board approval.



Catherine Blackler
Senior Project Manager
m: [\(210\) 649-9802](tel:2106499802)

From: Benny McGowan <benny.mcgowan@felps.us>
Sent: Wednesday, April 2, 2025 3:18 PM
To: Christian Cortes <CCortes@bartlettcocke.com>; Catherine Blackler <cblackler@agcm.com>; Patrick Hosek <patrick.hosek@felps.us>
Cc: Michael Rogers <mrogers@agcm.com>; Alexander Ragland <ARagland@bartlettcocke.com>
Subject: Re: WR#6547_195 Bluebonnet Rd

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good Afternoon,
Please see answers below.

COST ASSOCIATED WITH THE TRANSFORMER

- **Transformer cost: \$24,207.00**
 - Could you confirm the size of the transformer?
 - **Transformer will be 1500kva**
- **Secondary lugs w/nuts & bolts: \$1,723.20**
 - My understanding is that these components are intended to connect the transformer to the feeders. Please confirm if this is

accurate.

- The service wire to the disconnect connects to the secondary lugs inside the transformer.
- **1200 to 5ct: \$900.00**
 - Could you clarify what this charge refers to? I want to make sure I fully understand its purpose.
 - The CTs (Current Transformer) are used for measuring current. They get installed inside the transformer.
- **Connection fee: \$100.00**
 - Can you provide more details on the connection fee? Specifically, which part of the work is this fee associated with?
 - The connection fee refers to the cost of connecting the meter.
- **Meter equipment: \$1,759.83**
 - Does this amount cover both the meter and the necessary components for connecting the meter? Please confirm.
 - Yes, that is correct. It includes the meter, meter socket, CTs and PTs.
- **Line extension: \$4,280.29**
 - I believe this covers the lines from Felps' service to the transformer. Could you confirm if this is correct
 - Yes, that is correct. It covers the pole crossing at D. L. Vest and the necessary assemblies. It also includes fusing, as well as primary overhead and underground conductors.
 - This cost does not include the upgrade of the existing line to service the location from Hwy 87.
- **30 3000 amp 277/480**

See attached Site Plan
E1.1
For Location and Scope
of Work

GENERAL NOTES - ELECTRICAL SITE PLAN

- FIELD VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING TRENCHES FOR ELECTRICAL WORK.
- COORDINATE ROUTING OF ALL POWER AND CONTROL WIRING CONDUITS WITH PIPING LAYOUT. PROVIDE SEPARATE CONDUIT SUPPORTS FOR ELECTRICAL. DO NOT SECURE CONDUITS TO PIPING OR PIPE SUPPORTS.
- ALL UNDERGROUND CONDUITS AND CONDUITS EXPOSED TO THE WEATHER SHALL BE RIGID METAL CONDUIT(RMC), INSTALL ANTI-CORROSION TAPE TO POINT 6" ABOVE AND 6" BELOW GRADE. INSTALL WARNING TAPE DIRECTLY ABOVE CONDUIT AT A DEPTH 12" BELOW GRADE.
- REFER TO ELECTRICAL ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- REFER TO 20 AMP CIRCUIT VOLTAGE DROP SCHEDULE.
- COORDINATE UNDERGROUND CONDUIT ROUTING WITH ALL OTHER UTILITIES AND TRADES. AS REQUIRED. REFER TO THE CIVIL ENGINEERING PLANS FOR ADDITIONAL INFORMATION.
- NO MORE THAN 360° BENDS PERMITTED FOR ANY SINGLE CONDUIT RUN. PROVIDE ADDITIONAL PULL BOXES OR HANDHOLES, AS REQUIRED.
- REFER TO UTILITY COMPANY'S ELECTRIC SERVICE STANDARDS FOR ADDITIONAL REQUIREMENTS.
- REFER TO ELECTRIC COMPANY UNDERGROUND DEVELOPER SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE CONDUIT TRANSITION FROM BELOW GRADE TO UNDERFLOOR PER CONCRETE ENCASEMENT RISER DETAIL.
- MINIMUM PHASE, NEUTRAL AND GROUND CONDUCTOR SIZES FOR LIGHTING CIRCUITS SHALL BE #10 CU.
- THE USE OF EXPOSED PULL BOXES, WIREWAYS OR BUSSED GUTTERS ON THE BUILDING EXTERIOR IS NOT ACCEPTABLE UNLESS PRIOR APPROVED BY THE ARCHITECT AND ENGINEER.
- REFER TO SPECIFICATION SECTION 26 05 43 FOR UNDERGROUND RACEWAY REQUIREMENTS FOR LOW VOLTAGE AND COMMUNICATIONS SYSTEMS ON THIS SHEET.
- REFER TO DIV. 26 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LOW VOLTAGE AND COMMUNICATIONS SYSTEMS ON THIS SHEET.
- UNDERGROUND CONDUIT ROUTES SHALL BE CAREFULLY COORDINATED WITH OTHER UNDERGROUND UTILITIES AND STORM DRAIN PIPING PRIOR TO ROUGH-IN AND TRENCHING WITH CIVIL PLANS AND OTHER TRADES AS REQUIRED.

LIGHTING ZONE LEGEND

[PA]	= PARKING ZONE A
[PB]	= PARKING ZONE B
[S]	= SECURITY ZONE
[EV1]	= EVENT ZONE #1
[EV2]	= EVENT ZONE #2

NOTE: LIGHTING ZONE LEGEND APPLIES TO ALL LIGHTING SHEETS.

GENERAL NOTES - ELECTRICAL SITE PLAN

- ALL POLE BASES SHALL HAVE MAXIMUM TWO CONDUITS ROUTED INTO BASE OF LIGHT POLE FROM UNDERGROUND. OTHERWISE A HEAVY DUTY POLYMER CONCRETE IN-GRADE JUNCTION BOX WITH AN APPROVED SIZE SHALL BE INSTALLED ADJACENT TO RESPECTIVE POLE FOR UNDERGROUND DISTRIBUTION FOR SERVING MORE SITE LIGHTING POLES. ANY AND ALL OTHER IN-GRADE JUNCTION BOXES SHALL BE APPROVED FOR QUANTITY, SIZE AND LOCATION. REFER TO POLE BASE DETAIL. ALL CIRCUITS SHALL BE INSTALLED WITH MINIMUM 12" DIGITAL EXTENDING FROM POLE HANDHOLE FOR ALL CONDUCTORS. GROUND CONDUCTOR ROUTED FROM GROUND ROD SHALL BE INSTALLED WITH DIRECT CONNECTION TO REBAR WITH EXOTHERMAL WELD AND THEN TO DEDICATED POLE GROUND LUG. CIRCUIT GROUND CONDUCTOR SHALL BE CONNECTED TO DIGITAL GROUND CONDUCTOR FROM POLE GROUND LUG AND NOT BE DIRECTED CONNECTED TO POLE GROUND LUG.
- REFER TO TECHNOLOGY PLANS FOR ALL RACEWAY AND HAND-HOLE SIZES, QUANTITIES, ROUTES AS WELL AS EXACT ROUGH-IN LOCATIONS, AS REQUIRED.
- PROVIDE 1" SURFACE-MOUNTED, RIGID METALLIC CONDUIT. FOR RACEWAY PATH TO CAMERAS AS INDICATED ON TECHNOLOGY DRAWINGS AND PAINTED TO MATCH COLOR OF POLE. RACEWAY SHALL BE ROUTED IN CONCRETE POLE BASE AND ONTO POLE IN ACCORDANCE WITH A SUBMITTED SHOP DRAWING APPROVED BY THE ARCHITECT, ENGINEER, AND OWNER.
- SITE LIGHTING SHALL BE PROVIDED AND INSTALLED TO PROVIDE A MINIMUM 1.0 FC ALONG ALL DRIVE SURFACES INCLUDING BUT LIMITED TO PARKING LOTS, DRIVEWAYS, ENTRIES, EXITS, ETC.
- PULL-BOXES SHALL BE PROVIDED AS SPECIFIED AND AS REQUIRED FOR PULLING DISTANCES AND SHALL BE MINIMUM 36" X 36" X 48" DEEP TIER 22 HEAVY DUTY POLYMER CONCRETE HANDHOLE WITH LOCKABLE COVER IDENTIFIED AS EITHER "ELECTRIC" OR "COMMUNICATIONS" AS INDICATED. COORDINATE HANDHOLE DEPTH WITH CIVIL ENGINEER DRAWINGS AND GRADING PLAN SUCH THAT TOP OF INCOMING RACEWAY IS BELOW FINISHED FLOOR OF RESPECTIVE BUILDING BEING SERVED AS REQUIRED. REFER TO TECHNOLOGY PLANS FOR UNDERGROUND RACEWAY ROUTES AND HANDHOLE SIZE, LOCATIONS, AND ADDITIONAL INSTALLATION REQUIREMENTS.
- COORDINATE ALL ELECTRICAL UTILITY WORK WITH GVEC. CONTACT MS. DESTI GALACIA, 830.388.4415.

KEYED NOTES

- PROPOSED NEW ELECTRIC COMPANY RISER POLE FOR OVERHEAD TO UNDERGROUND INCOMING ELECTRICAL SERVICE TO PAD MOUNTED UTILITY TRANSFORMER AS INDICATED. COORDINATE INSTALLATION REQUIREMENTS WITH FELPS PRIOR TO ROUGH-IN.
- NEW UNDERGROUND PRIMARY BY GVEC. PROVIDE CONDUIT DUCTBANK AS REQUIRED.
- PROPOSED NEW PAD MOUNTED UTILITY TRANSFORMER BY GVEC.
- EXISTING UTILITY TRANSFORMER TO REMAIN. COORDINATE WITH UTILITY FOR NEW PRIMARY DUCTBANK.
- EXISTING ELECTRIC UTILITY SERVICE TO REMAIN.
- NEW UNDERGROUND SECONDARY TO RECONNECT EXISTING DISTRIBUTION EQUIPMENT. REFER TO ONE-LINE DIAGRAMS.
- EXISTING FIRE ALARM PANEL(S) TO BE REMOVED.
- EXISTING FIRE ALARM PANEL TO REMAIN. UPGRADE AS REQUIRED.
- ALTERNATE BID: SERVICE TO NEW CONSTRUCTION. IF ACCEPTED, GVEC UTILITY TO PROVIDE ONE NEW 2500KVA PAD MOUNT TRANSFORMER IN PLACE OF TWO 750KVA TRANSFORMERS. THIS WILL REMOVE MSB-D. REFER TO ONE-LINE DIAGRAM, SHEET [E1.1](#).
- TYPICAL LIGHTING ZONE LEGEND MARK. REFER TO LIGHTING ZONE LEGEND SCHEDULE ON THIS SHEET.
- PROVIDE INDICATED EXTERIOR LIGHTING CIRCUIT AND CONNECTION THRU DDC CONTROLLED CONTACTOR IN DEDICATED ENCLOSURE LOCATED ADJACENT TO SOURCE PANEL AS REQUIRED. 2#S XHHW & 1#10 XHHW GROUND IN 1" CONDUIT. REFER TO CONTACTOR CONTROL DIAGRAM.
- EXISTING, RELOCATED MUSCO SPORTS LIGHT AND POLE. CONFIRM EXACT LOCATION WITH CIVIL AND ARCHITECT. COORDINATE INSTALLATION WITH MUSCO LIGHTING. REFER TO SITE PLAN DEMOLITION, SHEET [E1.1](#).
- GVEC TO PROVIDE TEMPORARY OVERHEAD PRIMARY TO MAINTAIN EXISTING 240V, 3PH SERVICE TO SHOP BUILDINGS. SERVICE SHALL BE REMOVED UPON COMPLETION OF NEW CTE SHOP.
- PROVIDE NEW FEEDER TO RECONNECT EXISTING VISITOR'S PRESSBOX LOADCENTER. 1-1/2" C WITH 3#S #60ND. TO CIRCUIT INDICATED.
- PROPOSED NEW PAD MOUNTED UTILITY TRANSFORMER BY FELPS.

KEYED NOTES

- NEW UNDERGROUND PRIMARY BY FELPS. PROVIDE CONDUIT DUCTBANK AS REQUIRED PER UTILITY COMPANY STANDARDS.
- EXISTING SCOREBOARD DISTRIBUTION 480V PANEL TO BE PROVIDED WITH NEW 100A FEEDER FROM SERVICE PANEL MSB. PROVIDE AND INSTALL A NEW 100A, 3P BREAKER TO FEED EXISTING 480V PANEL. PROVIDE CONDUIT CLOSURE AFTER REMOVAL OF EXISTING 200A, 208V, 3PH FEEDER. COORDINATE NEW SERVICE BEFORE DEMOLITION OF EXISTING FEEDER WITH OWNER.

