

Moore Land Surveying, LLC

14216 Palis Drive
La Feria, TX 78559

(956)245-0988
(956)245-4651

TBPLS Firm No. 10194186
TBPE Firm No. 19190

ADDENDUM NO. 2

TO: All Planholders
FROM: Dustin Moore, PE
DATE: 18 January 2023
PROJECT: CCDD NO. 6 – TIO CANO PUMP STATION


The Contract Documents for the referenced project shall be modified as follows:

REFER TO CONTRACT SPECIFICATIONS

- I. **Contract Documents – Bid Proposal Form:**
 - Replace Bid Proposal with the Attached Bid Proposal Dated 1/18/23.
- II. **Contract Documents - Technical Specifications**
 - Add the Attached Cut Sheets for Steel Pipe Coatings / Linings & Field Welds
- III. **Construction Plans**
 - Replace Sheets C3.0 & C3.1 with attached Sheets C3.0R & C3.1R

Should you have any questions feel free to contact myself at 956-245-4651.

Respectfully,



Dustin Moore
Moore Land Surveying, LLC



1/18/23

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ADDENDUM NO. 2 – RFI RESPONSES

TO: All Planholders
FROM: Dustin Moore, PE
DATE: 18 January 2023
PROJECT: CCDD NO. 6 – TIO CANO PUMP STATION

1. What is the manufacturer and weight of the pumps & motors:
 - a. Hydroflo Pump w/ US Special Motor: 7,130 Lbs each
2. Will re-bar be epoxy coated:
 - a. No rebar does **NOT** need to be epoxy coated
3. Is wire mesh required in the mud slab:
 - a. Yes wire mesh will be required in the mud slab.
4. Is a vapor retarder required at foundation:
 - a. No a vapor retarder will not be required on the foundation.
5. Will La Feria Irrigation District be able to pump down Tio Cano Lake and empty the canal prior to construction:
 - a. Yes La Feria Irrigation District will pump lake down prior to starting project and empty the canal prior to 48" connection. All dewatering during the project will be a the expense of the contractor, as per Line Item No. 1 of Bid Proposal.
6. Will pump have plain or flanged outlet and who will provide the sole plat:
 - a. Pump will have a flanged outlet and sole plate is provided by the pump supplier.
7. Can the structure be poured in two lifts:
 - a. Yes so long as a keyway is poured between the two lifts and rebar is continuous to top.
8. Are flap gates required:
 - a. Yes see Bid Item No. 1 and revised Sheets C3.0R & C3.1R
9. Will a handrail be required on the structure:
 - a. No a handrail will not be required.
10. What are coating specs for the steel pipe:
 - a. Coating & Lining will be Amercoat 385 and field welds will be treated with Trenton Wax Tape Primer, Trenton Wax Tape, and Trenton Poly-Ply Wrap
11. What are the bedding requirements for the steel pipe:
 - a. Bedding requirements are same as for steel pipe are same as for PVC Bid Alt. per C4.0.
12. Will alternates to Waterman Slide Gates be allowed:
 - a. Yes Mueller Hydro-Gate and Golden Harvest Aluminum Gates will be accepted as alternates, as long as the following gate requirements are met.
 - b. Dimensions (WxH): **5.5' X 5.5'**
 - c. Wall Opening: **Square**
 - d. Closure: **Upward Opening**
 - e. Seating Head (ft): **7'**
 - f. Unseating Head (ft): **5'**
 - g. Mounting: **Surface Mounted**
 - h. Frame: **Self Contained**
 - i. Stem: **Rising Stem**
 - j. Operator: **Handwheel (Offset-Pedestal)**
 - k. Minimum Travel: **72"**



DM 1/13/23

**CAMERON COUNTY DRAINAGE DISTRICT NO. 6
TIO CANO PUMP STATION
BID PROPOSAL - ADDENDUM 2 1/18/23**

Base Bid

Bid Item	Quantity	Units	Description	Unit Price	Total Price
1	1	LS	Material, labor and equipment necessary to construct pump structure including but not limited to excavation, backfill, temporary shoring, dewatering, forming, rebar, cast in place concrete, geogrid, gravel, grating, bar screen, slide gates, installation of wall pipes, flap gates and any other incidentals necessary for the lump sum price of:		
2	1	LS	Material, labor and equipment necessary to install owner furnished pumps and motors, to include but not limited to, setting, leveling, connecting to existing wall pipes, electrical connections, testing, and any other incidentals necessary for the lump sum price of:		
3	193	LF	Install 48"x 1/2" Steel Pipe (Coated & Lined) w/ Amtercoat 385 & Trenton Primer, Wax Tap & Poly-Ply on field welds & all related appurtenances to include fittings, sand bedding, and field welding, Complete in Place.		
4	1	LS	La Feria Irrigation District Canal Lining sawcutting, demolition, replacement, headwall construction, Gate Fabrication and Gate Installation. (Work to be completed by La Feria Irrigation District at the expense of the contractor.)	\$50,000.00	\$50,000.00
5	1	LS	Replace 20 LF of Existing 36" Corrugated PVC pipe on existing discharge. Joint to be provided by La Feria Irrigation District		
6	165	SY	Install 18" Concrete Rubble Rip Rap over compacted backfill, to be compacted to 95% SPD in 12" lifts.		
7	1	LS	Payment and Performance Bonds		
Total Amount Base Bid					_____

A1	1	LS	Material, labor and equipment necessary to construct all electrical components per Project Plans to include but not limited to, conduit, wire, racks, transformer pads, coordination with AEP, and any other incidentals necessary for the lump sum price of:		
A2	193	LF	Install 48" C900 PVC Pipe (DR51, CL 80) & all related appurtenances to include fittings and sand bedding, Complete in Place.		

AMERCOAT® 385

DESCRIPTION

Two-component, high-build, multipurpose polyamide cured epoxy coating

PRINCIPAL CHARACTERISTICS

- Multi-purpose high build epoxy
- High solids high build epoxy intermediate coat
- Compatibility with a wide range of substrates and surface preparations
- Excellent resistance against chemical spillage
- AMERCOAT 385 PA contains zinc phosphate for enhanced corrosion inhibitive performance, which is available in US and Asia Pacific only
- Also available with MIO pigmentation
- AMERCOAT 385 LH is formulated for a lower level of HAPs, which is available only in US

COLOR AND GLOSS LEVEL

- White, black, oxide red, buff, pearl gray

BASIC DATA AT 68°F (20°C)

Data for mixed product	
Number of components	Two
Mass density	1.4 kg/l (11.7 lb/US gal)
Volume solids	68 ± 2%
VOC (Supplied)	max. 2.6 lb/US gal (approx. 312 g/l)
Temperature resistance (Continuous)	To 200°F (93°C)
Temperature resistance (Intermittent)	To 250°F (121°C)
Recommended dry film thickness	3.0 - 8.0 mils (75 - 200 µm) depending on system
Theoretical spreading rate	218 ft ² /US gal for 5.0 mils (5.4 m ² /l for 125 µm)
Shelf life	Base: at least 36 months when stored cool and dry Hardener: at least 24 months when stored cool and dry

Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time
- Color will drift at elevated temperatures
- Intermittent temperature resistance should be less than 5% of the time, and maximum 24 hours
- For immersion service, the product should be applied at a minimum of 10 mils (250 µm) dft total in 2 - 3 coats
- Do not recommend to use zinc phosphate version for immersion, Contact PPG Technical Service for immersion



AMERCOAT® 385

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is, in general, proportional to the degree of surface preparation
- Abrasive blasting is usually the most effective and economical method. When this is impossible or impractical, coating can be applied over mechanically cleaned surfaces
- All surfaces must be clean, dry and free of all contaminants, including salt deposits. Contact PPG for maximum allowable salt containment levels

Mild steel

- Remove all loose rust, dirt, grease or other contaminants by one of the following depending on the degree of cleanliness required: SSPC SP-2, 3, 6, 7 or 10 (ISO 8501-1 St-2, St-3, Sa 1, Sa 2, Sa 2.5). These minimum surface preparation standards apply to steel that has been previously abrasive blasted. The choice of surface preparation will depend on the system selected and end-use service conditions
- For immersion and severe duty applications, the recommended blast profile is 2.0 – 4.0 mils (50 – 100 µm). Previously blasted steel may be ultra-high pressure water jetted to SSPC -SPWJ-2(L) / NACE WJ-2(L). The wet surface can be dried by blowing with dry compressed air giving special attention to horizontal surfaces and recesses

Concrete

- Remove grease, oil and other penetrating contaminants according to ASTM D4258
- Abrade surface per ASTM D-4259 to remove all efflorescence and laitance, to expose subsurface voids, and to provide a surface roughness equivalent of 60 grit sandpaper or coarser
- AMERCOAT 114 A may be used as a pit filler. Check with PPG Technical Service for alternative
- Maximum recommended moisture transmission rate is 3 lbs / 1,000 ft² / 24 hours by moisture transmission test (ASTM F1869, calcium chloride test or by ASTM D4263, plastic sheet test)
- Alternatively, ASTM D4944 (Calcium Carbide Gas method) can be used, moisture content should not exceed 4%

Galvanized steel

- Remove oil or soap film with detergent or emulsion cleaner
- Lightly abrasive blast with a fine abrasive in accordance with SSPC SP-16 guidelines to achieve a profile of 1.5 – 3.0 mils (38 – 75 µm). When light abrasive blasting is not possible, galvanizing can be treated with a suitable zinc phosphate conversion coating.
- Galvanizing that has at least 12 months of exterior weathering and has a rough surface with white rust present may be over-coated after power washing and cleaning to remove white rust and other contaminants
- The surface must have a measurable profile
- A test patch is recommended to determine compatibility and adhesion
- Not recommended over chromate sealed galvanizing without blasting to thoroughly remove chromates. Adhesion problems may occur

Non-ferrous metals and stainless steel

- Abrasive blast in accordance with SSPC SP-16 guidelines to achieve a uniform and dense 1.5–4.0 mils (38 – 100 µm) anchor profile. Size and hardness of abrasive should be adjusted as necessary based on the hardness of the substrate
- Aluminum may be treated with a surface treatment compliant with Mil-DTL-5541 or equivalent (non-immersion applications only).



AMERCOAT® 385

Aged coatings

- All surfaces must be clean, dry, tightly bonded and free of all loose paint, corrosion products or chalky residue
- Abrade surface, or clean with PREP 88. This product is compatible over most types of properly applied and tightly adhering coatings, however, a test patch is recommended to confirm compatibility

Repair

- Prepare damaged areas to original surface preparation specifications, feathering edges of intact coating. Thoroughly remove dust or abrasive residue before touch-up.

Substrate temperature and application conditions

- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 40°F (4°C) and 122°F (50°C)
- Relative humidity during application should not exceed 85%

SYSTEM SPECIFICATION

- Primers: Direct to substrate; DIMETCOTE- Series Primers, AMERCOAT 68HS, AMERCOAT 68MCZ
- Topcoats: AMERCOAT 450-Series Polyurethanes, AMERSHIELD, PSX 700, AMERCOAT 229T, PITTHANE Polyurethanes

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 50:50 (1:1)

- Pre-mix base component with a pneumatic air mixer at moderate speeds to homogenize the container. Add hardener to base and agitate with a power mixer for 1-2 minutes until completely dispersed

Induction time

Mixed product induction time	
Mixed product temperature	Induction time
Below 60°F (16°C)	30 minutes
60°F (16°C)	15 minutes
Above 75°F (24°C)	None

Pot life

3 hours at 70°F (21°C)

Note: See ADDITIONAL DATA – Pot life



AMERCOAT® 385

Application

- Area should be sheltered from airborne particulates and pollutants
- Avoid combustion gases or other sources of carbon dioxide that may promote amine blush and ambering of light colors
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns

Material temperature

Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

Air spray

- Use standard conventional equipment

Recommended thinner

THINNER 91-92 for global, THINNER 21-06 (AMERCOAT 65) or THINNER 21-25 (AMERCOAT 101) for above 90°F (32°C) in US and Canada

Volume of thinner

0 - 20%

Nozzle orifice

Approx. 0.070 in (1.8 mm)

Airless spray

- 45:1 pump or larger
- Can be applied with plural component equipment
- Hoses should normally be kept as short as possible

Recommended thinner

THINNER 91-92 for global, THINNER 21-06 (AMERCOAT 65) or THINNER 21-25 (AMERCOAT 101) for above 90°F (32°C) in US and Canada

Nozzle orifice

0.017 – 0.019 in (approx. 0.43 – 0.48 mm)

Brush/roller

- Use a high quality natural bristle brush and/or solvent resistant, 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment. Multiple coats may be necessary to achieve adequate film-build

Recommended thinner

THINNER 91-92 for global, THINNER 21-06 (AMERCOAT 65) or THINNER 21-25 (AMERCOAT 101) for above 90°F (32°C) in US and Canada



AMERCOAT® 385

Cleaning solvent

THINNER 90-53, THINNER 90-58 (AMERCOAT 12) OR THINNER 21-06 (AMERCOAT 65)

ADDITIONAL DATA

Overcoating interval for DFT up to 8.0 mils (200 µm)						
Overcoating with...	Overcoating Interval	40°F (4°C)	50°F (10°C)	60°F (16°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	3 days	42 hours	24 hours	12 hours	6 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
	Maximum - immersion	30 days	30 days	30 days	30 days	30 days

Overcoating interval for DFT up to 8.0 mils (200 µm)						
Overcoating with...	Interval	40°F (4°C)	50°F (10°C)	60°F (16°C)	70°F (21°C)	90°F (32°C)
urethane and PSX	Minimum	3 days	42 hours	24 hours	12 hours	6 hours
	Maximum	3 months	2.5 months	2 months	1.5 months	1.5 months

Notes:

- Dry times are dependent on air and surface temperatures as well as film thickness, ventilation, and relative humidity. Maximum recoating time is highly dependent upon actual surface temperatures – not simply air temperatures. Surface temperatures should be monitored, especially with sun-exposed or otherwise heated surfaces. Higher surface temperatures shorten the maximum recoat window
- After 30 days but prior to the maximum recoat time, it is advisable to conduct a detergent wash with Prep 88 to ensure good subsequent adhesion. After the maximum recoat time has been exceeded, the surface must be uniformly abraded to de-gloss, and create a roughened surface for recoat

Curing time for DFT up to 8.0 mils (200 µm)			
Substrate temperature	Dry to touch	Dry to handle	Full cure
40°F (4°C)	8 hours	4 days	21 days
50°F (10°C)	4 hours	24 hours	14 days
60°F (16°C)	3 hours	20 hours	7 days
70°F (21°C)	2 hours	16 hours	6 days
90°F (32°C)	1 hour	10 hours	4 days

Notes:

- Adequate ventilation must be maintained during application and curing (please refer to INFORMATION SHEETS 1433 and 1434)
- Please contact your PPG representative for further details



AMERCOAT® 385

Pot life (at application viscosity)	
Mixed product temperature	Pot life
50°F (10°C)	5 hours
70°F (21°C)	3 hours
90°F (32°C)	1.5 hours

Product Qualifications

- Mil-PRF-23236(C) Type V, Class 7, Grade C
- Military Sealift Command – Underwater hulls, topside and salt water ballast tank service
- Compliant with USDA Incidental Food Contact Requirements
- NFPA Class A for Flame Spread and Smoke Development
- NORSOK M501 Rev. 5, System 7 Subsea surfaces
- MPI Category #108

SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

- | | | |
|--|-------------------|------|
| • CONVERSION TABLES | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS | INFORMATION SHEET | 1411 |
| • SAFETY INDICATIONS | INFORMATION SHEET | 1430 |
| • SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD | INFORMATION SHEET | 1431 |

WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.



AMERCOAT® 385

LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

Packaging: Available in 2-gallon and 10-gallon kits; (2-gallon kits have 1 full gallon of base and 1 full gallon of hardener, 10 gallon kits have 5-gallons of base and 5-gallons of hardener)

Product code	Description
AT 385-1	Buff Base
AT 385-3	White Base
AT 385-9	Black Base
AT 385-23	Pearl Gray Base
AT 385-72	Oxide Red Base
AT385A-1	AMERCOAT 385PA Buff (contains zinc phosphate)
AT385A-7	AMERCOAT 385 PA Red (contains micaceous iron oxide)
AT385-B	Hardener
AT385LH23	LH Pearl Gray Base (US only)
AT385LH702	LH Solar Red Base (US only)
AT385LH-B	LH Hardener (US only)

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TRENTON®

#1 Wax-Tape

Corporate Office:
The Trenton Corporation
7700 Jackson Road
Ann Arbor, MI 48103
734/424-3600
Fax: 734/426-5882

Houston/Export Office:
1880 S. Dairy Ashford
Suite 697
Houston, TX 77077
281/556-1000
Fax: 281/556-1122

For field patching underground pipe and irregular surfaces such as couplings, service tees, valves and flanges.



#1 Wax-Tape applied to coupling, street tee and leak clamp.

#1 Wax-Tape is a microcrystalline wax blend saturated into a non-woven synthetic fiber carrier used to protect underground metal structures from corrosion. Trenton Wax-Tapes have been successfully used as corrosion preventative materials for over 24 years.

Wax-Tape Primer is first applied as a surface conditioner. It “wets” the surface, filling the metal pores, penetrates and inhibits existing rust and displaces moisture. The #1 Wax-Tape is then wrapped and pressed onto the structure. It is an extremely conformable tape and can be worked into the crevices and contours of irregular surfaces like a “putty”. And, because it is self-sealing, it can be smoothed out so there is a continuous protective layer with virtually no lap seams. It requires no drying or curing time; can be backfilled immediately and supports cathodic protection.



#1 Wax-tape can be applied to small and large valves, flanges and bolts

Where greater protection from backfill soil is required, it can be over wrapped with Trenton Poly-Ply, Glas-Wrap or Guard-Wrap protective wrappers for increased mechanical strength and electrical resistance.

#1 Wax-Tape has outstanding waterproofing characteristics and is an excellent dielectric barrier. It is composed of essentially inert materials that will not deteriorate. It remains pliable over time so that it continues to wet the surface and will flex with movement of the protected structure. Further, it is resistant to chemicals and bacteria commonly found in soils. And it contains no VOCs, it is non-flammable, non-toxic and non-carcinogenic.

In summary, #1 Wax-Tape is a time-proven coating for underground metal structures that is versatile and easily applied to regular or irregular surfaces, and has outstanding anti-corrosion properties.

#1 WAX-TAPE

Description

#1 Wax-Tape is composed of a blend of microcrystalline wax, plasticizer and corrosion inhibitor (no clay fillers) saturated into a non-woven, non-stitch bonded synthetic fabric, forming a tape wrapper.

End Use:

For application on underground metal surfaces, pipe or fittings to prevent corrosion

Application Procedures:

Wire brush and scrape the surface clean of dirt, loose coating and loose rust. Apply a thin film of Wax-Tape Primer. If the surface is wet, cold or rusty, rub and press on primer to displace moisture and ensure adhesion. Then wrap #1 Wax-Tape using a 1" overlap. On straight pipe apply slight tension to ensure Wax contact with surface. On irregular surfaces allow slack so the tape can be molded into conformity. In either case, press and form the tape so there are no air pockets or voids under the tape. Also, press and smooth out the lap seams to ensure they are sealed. The tape does not require curing or drying time so it can be backfilled immediately. For pipe over 12" diameter, overwrap the tape with Trenton Poly-Ply, Glas-Wrap or Guard-Wrap wrapper. For aggressive soil conditions a Trenton wrapper or a rock wrap or select backfill should be considered.

Packaging:

4" X 9' rolls (24 rolls/case) 35 lbs./case

6" X 9' rolls (16 rolls/case) 35 lbs./case

Special widths and lengths available

Specifications:

ColorBrown
 Thickness70-90 mils
 Weight4 lbs/sq yd
 Dielectric strength170 volt/mil
 Application temperature0-110° F
 Operating temperature90-120° F
 Saturant pour point115-125° F
 Shelf LifeUnlimited

Advantages:

- Ideal where only minimal surface preparation is possible
- Conforms to irregular shapes
- No drying or curing time before backfilling
- Can be applied over wet surfaces
- Non-toxic, non-flammable, non-carcinogenic, no VOCs
- Easy clean-up with towel and hand cleaner
- Can be applied at low temperatures
- Compatible with other coatings
- Conforms to AWWA C217 and NACE RP0375
- Superior "wetting" properties
- Composed of inert materials that will not deteriorate

Quantity Requirements

Pipe Size	Tape Width	Rolls/100Ft		Gallons of Wax-Tape Primer /100Ft.
		1" Overlap	55% Overlap	
2"	4"	30	52	.5
4"	4"	58	97	1.0
6"	4"	85	139	1.5
8"	4"	112	182	2.0
10"	6"	82	150	2.5
12"	6"	98	178	3.25
14"	6"	108	196	3.75
16"	6"	124	224	4.25
18"	6"	138	252	4.75
20"	6"	154	280	5.25
22"	6"	170	308	5.75
24"	6"	184	336	6.25

WAX-TAPE PRIMER

Description:

Wax-Tape Primer is a blend of microcrystalline wax, plasticizer, and corrosion inhibitors having a paste-like consistency, designed to displace moisture, penetrate rust and wet the surface, ensuring adhesion of the tape. It is easily applied by hand.

End Use:

As a surface conditioner for underground metal surfaces prior to application of #1 Wax-Tape.

Application Procedures:

Wire brush and scrape the surface clean. Apply Wax-Tape Primer by hand (glove). A thin film of primer will be sufficient. On wet, cold or rusty surfaces, rub and press Wax-Tape Primer firmly onto these areas, displacing moisture and ensuring adhesion to the surface. After application of the primer, #1 Wax-Tape may be applied immediately.

Packaging:

One-gallon cans, four per carton. 32 Ib/carton.

Specifications:

ColorBrown
 Pour point100° - 110° F
 Flashpoint350° F minimum
 Coverage (approximate)1 gal/100 sf

Advantages:

- Goes on easily by hand
- Displaces moisture
- Penetrates surface rust
- Facilitates "wetting" of surfaces
- Ensures adhesion of tape
- Only a thin coat is required
- No waiting for drying or curing
- No mixing, thinning or stirring
- Unlimited shelf life, even after opening
- Compatible with other coatings
- Non-toxic, non-flammable, non-carcinogenic, no VOCs



Section of 16" pipe reconditioned using #1 Wax-Tape.



Poly-Ply

Description:

Poly-Ply plastic wrapper consists of three 50 gauge, clear, polyvinylidene chloride plastic, high cling membranes, wound together as a single sheet. It provides a mechanical and electrical barrier over graycoat while remaining flexible enough to conform to irregular shaped surfaces. It is inert and will not deteriorate, and is resistant to chemicals and bacteria commonly found in soil.

End Use:

As a wrap over cold-applied Graycoat or Temcoat coating on straight pipe and irregular metal surfaces such as T's and Couplings.

Application Procedures:

Pre-apply Graycoat or Temcoat coating and form Poly-Ply wrapper over the coated surface. An additional second coating of Graycoat or Temcoat can then be applied over the Poly-Ply for greater protection.

Packaging:

Coreless rolls in cartons containing 50 sq. yds.
4" x 50' rolls (27 rolls/carton)
6" x 50' rolls (18 rolls/carton)
9" x 50' rolls (12 rolls/carton)
12" x 50' rolls (9 rolls/carton)
18" and 36" widths available by special order.

Specifications:

Color	Clear
Thickness	1.5 mils
Dielectric strength	2000 volts/mil
Water absorption	negligible

Advantages:

- 3-Ply composition for extra mechanical strength
- High Dielectric strength
- Conforms to irregular shapes
- Composed of inert plastic film that will not deteriorate
- Resistant to chemicals and bacteria
- Convenient size of roll
- Relatively inexpensive

Estimated Quantity Requirements:

Pipe size	Graycoat or Temcoat Pounds/100 ft.	Poly-Ply Square yards/100 ft.
4	74	
6	110	18
8	152	26
10	190	34
12	226	42
		49



The Trenton Corporation
7700 Jackson Rd.
Ann Arbor, MI 48103
734/426-3955 Phone
734/426-5882 Fax

#1 Wax-Tape Application Procedures for UNDERGROUND PIPE

Step 1. Wire brush and wipe the surface so that it is free from loose rust, scale and other foreign matter. Surface should be wiped as dry as possible.

Step 2. Apply *Wax-Tape Primer* to the surface by brush or by hand. Only a thin film of primer is required.

Where moisture is present, rub and press primer onto the surface, displacing moisture and insuring that the primer is adhering to the metal surface.

Step 3. Apply #1 *Wax-Tape*, allowing for at least a 1" overlap. The *Wax-Tape* should overlap 3-6" over any existing coated or painted surface. While wrapping, apply slight tension and press the *Wax-Tape* into place making sure that there are no air pockets and that it is in intimate contact with the pipe. Also, press and smooth out the lap seams to insure that the laps are sealed.

When applying *Wax-Tape* to irregular surfaces, allow slack so that it can be molded into conformity with the surface. This will prevent voids and insure intimate contact of the *Wax-Tape* to the surface.

Where additional mechanical protection is required, due to severe backfill soil, over-wrap #1 *Wax-Tape* with either *Poly-Ply*, *Guard-Wrap* or *Glas-Wrap* wrappers.

Step 4. Backfill immediately after application of #1 *Wax-Tape*. No drying or curing time is required.

#2 Wax-Tape Application Procedures for ABOVE GROUND PIPE

Step 1. Wire brush and wipe the surface so that it is free from loose rust, scale and other foreign matter. Surface should be wiped as dry as possible.

Step 2. Apply *Wax-Tape Primer* to the surface by brush or by hand. Only a thin film of primer is required.

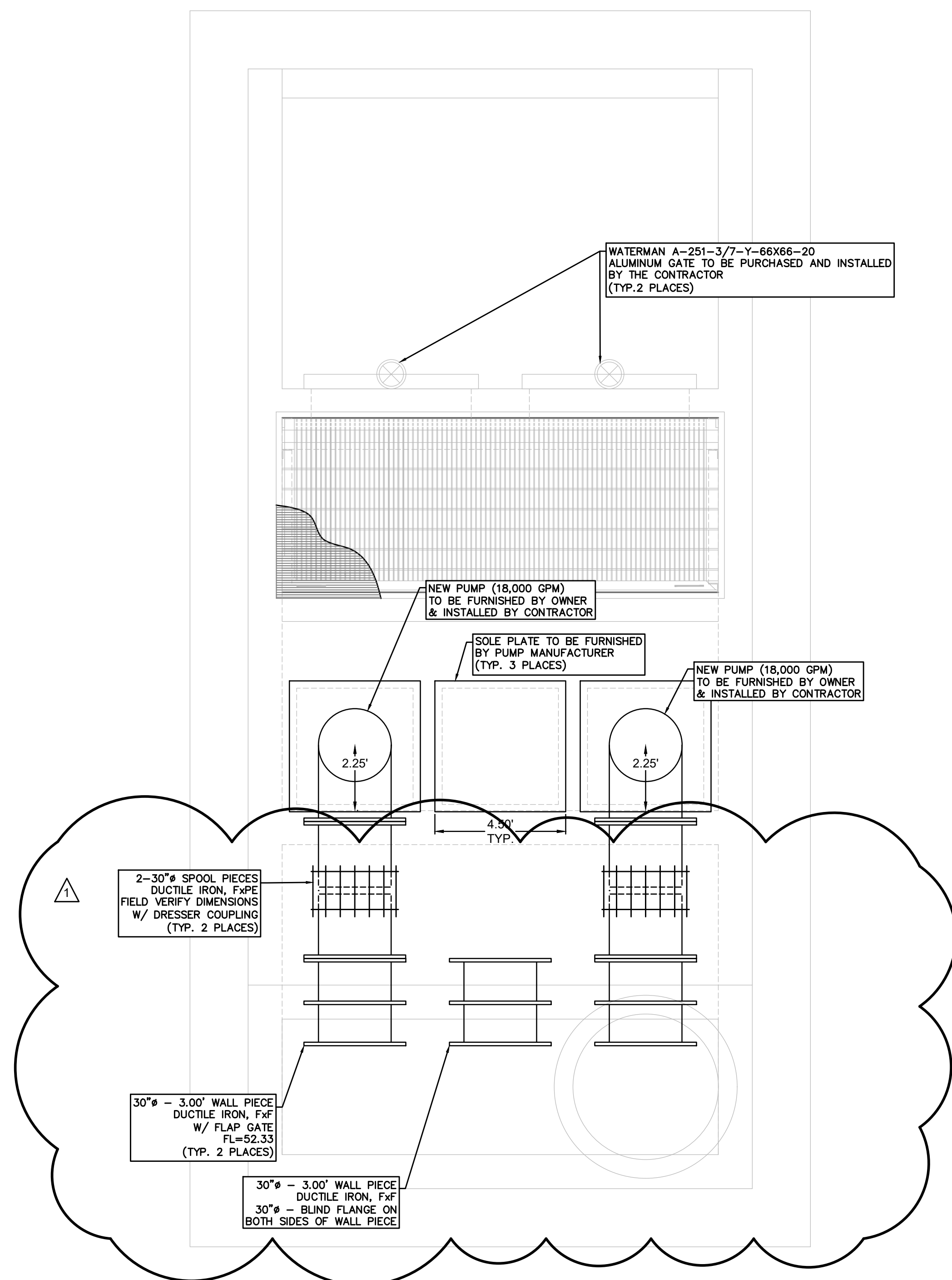
Where moisture is present, rub and press primer onto the surface, displacing moisture and insuring that the primer is adhering to the metal surface.

Step 3. Apply #2 *Wax-Tape*, allowing for at least a 1" overlap. The *Wax-Tape* should overlap 3-6" over any existing coated or painted surface. While wrapping the tape, apply slight tension and press the tape into place making sure that there are no air pockets under the tape and that the tape is in intimate contact with the pipe. Also, press and smooth out the lap seams to insure that the laps are sealed.

When applying tape to irregular surfaces, allow slack in the tape so that it can be molded into conformity with the surface. This will prevent voids under the tape and insures intimate contact of the tape to the surface.

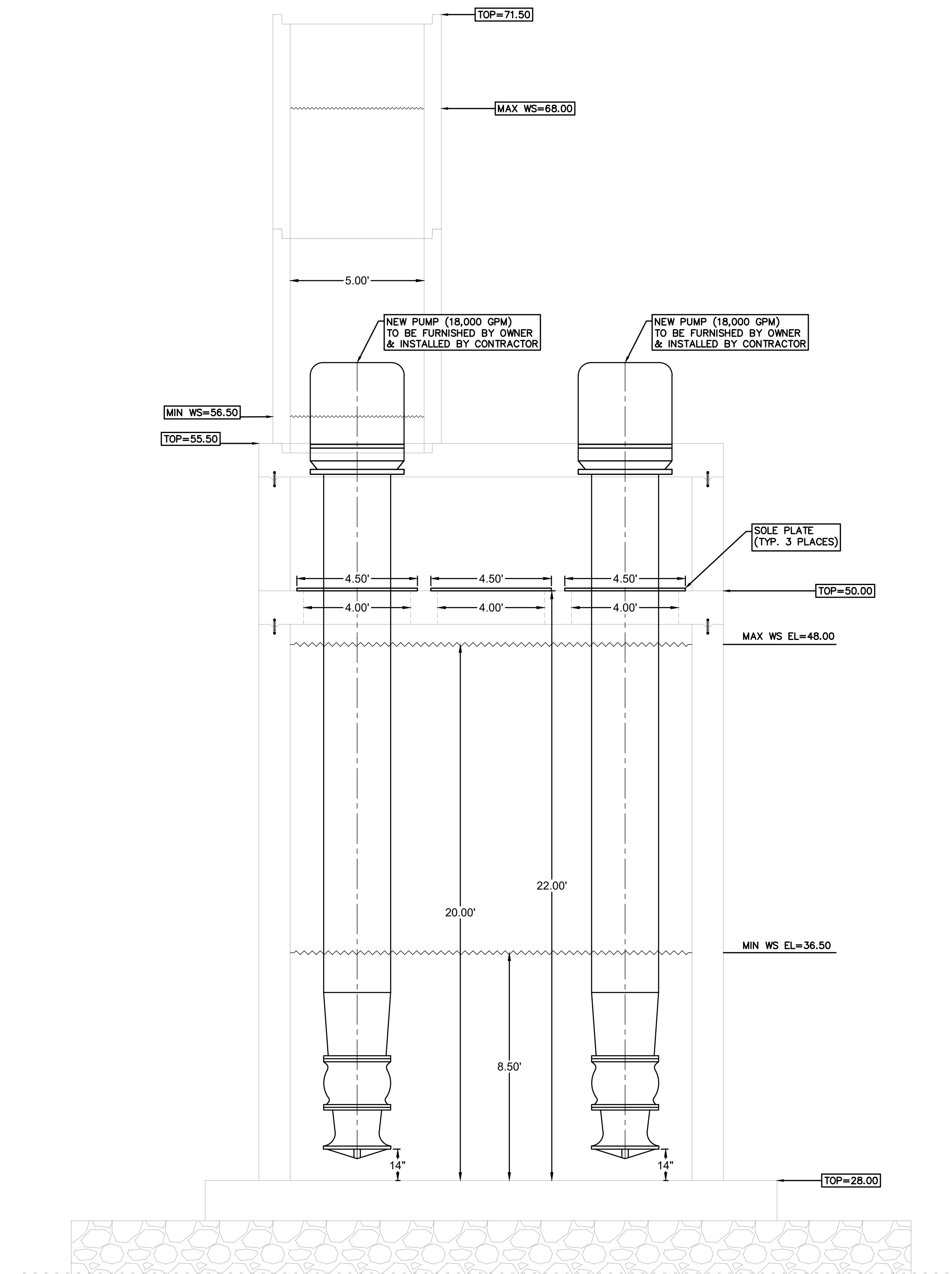
Step 4. If required, #2 *Wax-Tape* can be painted. Allow 2-14 days (depending on atmospheric conditions) for the *Wax-Tape* to firm up before painting. An acrylic latex paint is recommended.

NOTE: Use *Wax-Tape Primer* (Brown) for #2 *Wax-Tape* and use *Wax-Tape Primer* (White) for #2A or #2W *Wax-Tape*.



MECHANICAL PLAN VIEW AND PUMP SETTING DIMENSIONS

1"=3'

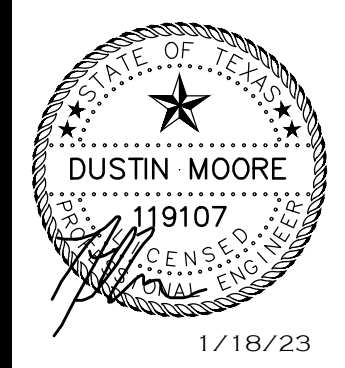


MECHANICAL SECTION VIEW AND PUMP SETTING DIMENSIONS

1"=3'

14216 Palle Drive, La Feria, TX 78559
 (956)245-0988 TBE'S Firm No. 10194186
 (956)245-4651 TBE Firm No. 19190

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 Surveying, LLC

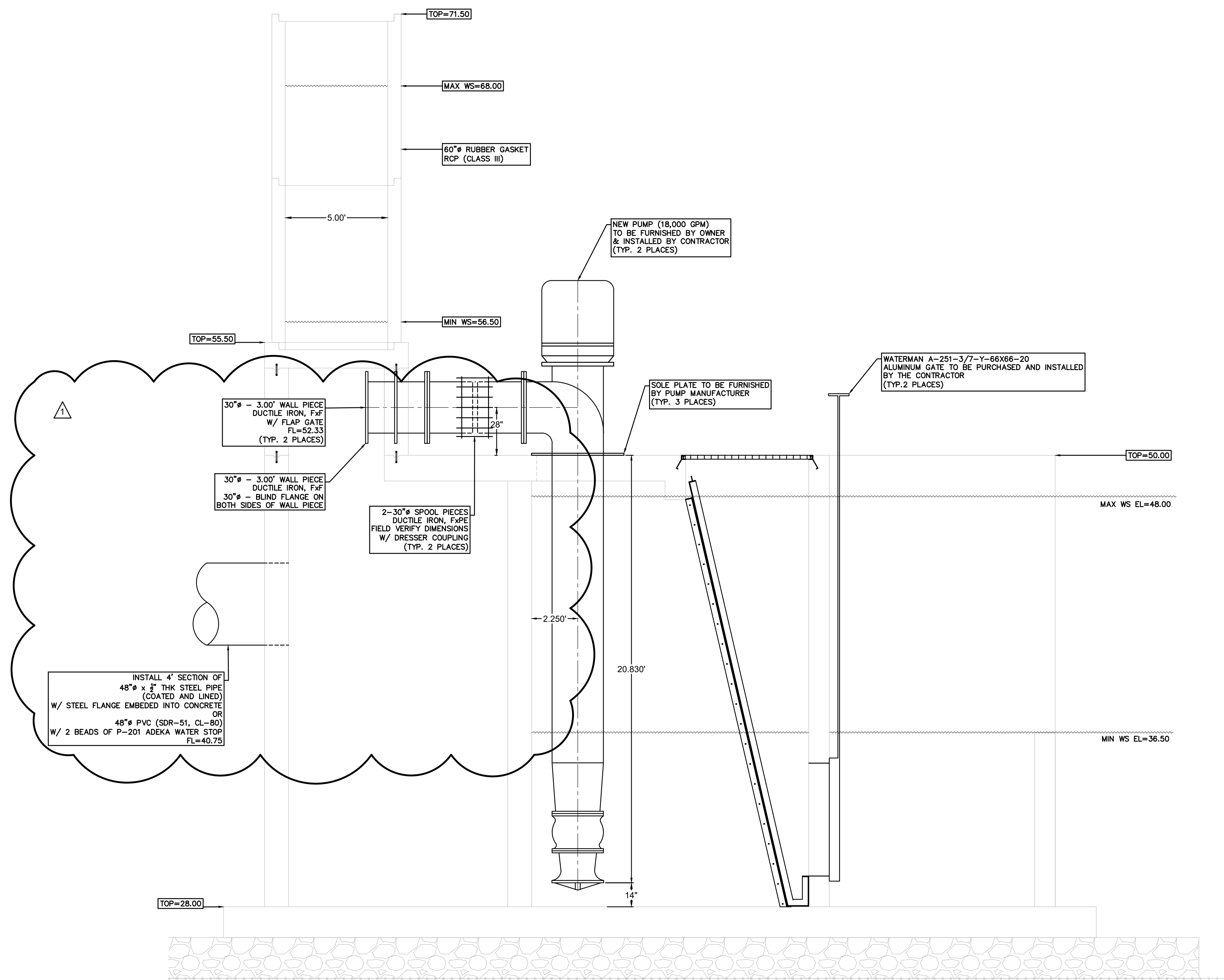


CAMERON COUNTY DRAINAGE DISTRICT NO. 6
 TIO CANO PUMP STATION
 MECHANICAL PLAN & SECTION AND SETTING DIMENSIONS

REVISIONS	DESCRIPTION
1	1-17-22 - CHANGE DISCHARGE TO PIPE W/ DRESSER COUPLING
2	
3	
4	
5	

DRAWN BY: ER

SCALE 1"=3'
 DATE JUNE 2022
 SHEET C3.0R
 OF 6
 CAD 110009
 DRAWING NO.

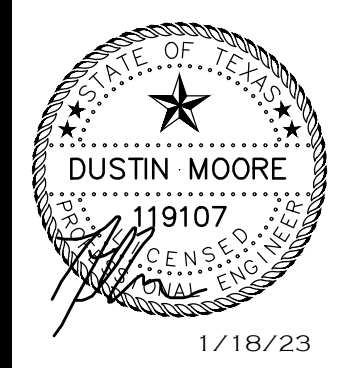


MECHANICAL PROFILE VIEW AND DISCHARGE PIPING DETAILS

1"=3'

14216 Palle Drive, La Feria, TX 78559
 (956)245-0888 TBE'S Firm No. 10194186
 (956)245-4651 TBE Firm No. 19190

Moore Land
 Surveying, LLC



CAMERON COUNTY DRAINAGE DISTRICT NO. 6
 TIO CANO PUMP STATION
 MECHANICAL PROFILE AND SETTING DIMENSIONS

REVISIONS	1	1-18-23 - CHANGE DISCHARGE TO PIPE W/ DRESSER COUPLING
	2	
	3	
	4	
	5	

DRAWN BY: ER

SCALE 1"=3'
 DATE JUNE 2022
 SHEET C3.1R
 OF 6
 CAD 110009
 DRAWING NO.