

00 91 01 ADDENDUM NUMBER 1

Owner: Laguna Madre Water District

Project: Lift Station Rehabilitation Project No. 1

Project No.: LS 21-3-01

Addendum No. 1

Addendum Date: June 25, 2021

The following additions, deletions, modifications, or clarifications shall be made to the appropriate portions of the Contract Documents. Offerors must acknowledge receipt of this Addendum in the space provided on the Bid Form.

ARTICLE 1 – ADDENDUM

- 1.01 Amend the Contract Documents
- Make the additions, modifications, or deletions to the Contract Documents described in this Addendum.
- 1.02 Acknowledge Addenda
- Acknowledge receipt of this Addendum in the Bid Form submitted for this Project. Failure to acknowledge receipt of this addendum in the Bid Form may render the Bid as non-responsive and serve as the basis for rejecting the Bid.

ARTICLE 2 – BID REQUIREMENTS

- 2.01 Section 00 41 16 “Bid Form Exhibit A”
1. Delete Section 00 41 16 “Bid Form Exhibit A” and replace it with Section 00 41 16 “Bid Form Exhibit A” included with this Addendum. Submit only the revised form with the Bid.

ARTICLE 3 – SPECIFICATIONS

- 3.01 Section 01 35 00 Special Conditions – Amend the paragraph in Paragraph 2.01 (C) as follows:
- “The properties the proposed gravity main crosses that will require open cut of driveway entrance from SH-100 are listed below with coordination requirements. At a minimum, contacts must be notified one week prior to proposed construction. Open cut approval was not received for Burger King, ~~Los Tortugas~~, and Walgreens. Installation of the proposed gravity main under these driveways must be completed by bore as shown in the plans unless written approval is received from the property owner.”

3.02 Section 01 35 00 Special Conditions – Delete the table in Paragraph 2.10 (C) in its entirety and insert the following in its place:

Property	Contact Name	Contact Number	Special Conditions
HEB	Rene Martinez	956-943-1171	Work to be completed between the hours 9:00 PM to 6 AM; with driveway access provided outside of working hours.
Amigo Pawn Shop	Robert Galindo	956-554-0293	None.
Stripes	Jose Garza	956-9433478	None.
Los Tortugas	Oscar Martinez Trevino	011-52-811-044-1727	None.

3.03 Amend the paragraph in Paragraph 1.02 (A) as follows:

“Pump must be designed to handle trash or debris up to 3” diameter solids. Pumps shall have ~~6”~~ 8” suction connection, and 6” discharge connection.

3.04 Section 33 32 16 Packaged Utility Wastewater Back-Up Diesel Pumping Station – Delete Paragraph 2.01 (A) (2) entirely and insert the following in its place:

“2. Godwin”

3.05 Section 33 32 16 Packaged Utility Wastewater Back-Up Diesel Pumping Station – Delete Paragraph 2.02 (C) entirely and insert the following in its place:

“C. Pump shall have a 8” suction, and a 6” discharge connection.”

3.06 Section 33 32 16 Packaged Utility Wastewater Back-Up Diesel Pumping Station – Delete Paragraph 2.02 (D)(a) entirely and insert the following in its place:

“a. Dual 8” suction porting allowing for both standard axial and optional radial suction porting. Standard axial suction porting is perpendicular to the discharge porting and the optional radial suction porting is parallel to the discharge porting.”

- 3.07 Section 40 61 13.01 Control Systems: PCS Software - Delete Paragraph 2.01 entirely and insert the following in its place:
- “A. One of the following or equal:
1. Rockwell Automation Panel View
- B. The software revision of the package used should be of the latest version which has been released for a minimum of 1 year.
- C. The Software Package shall include a complete software package with all licensing keys and passwords to allow for LMWD/Contractor to modify the programming of the VFD as needed after the warranty period.
- D. In addition to this clarification the Contractor shall provide AB/Rockwell Panel view touch pad for local control at this site. In addition, a copy of the program shall be provided to the Owner absent of any keys or passwords that would prevent the Owner from accessing said programming either in copy form or in the PLC.”
- 3.04 Section 40 61 13 Process control System General Provisions – Delete Paragraph 5.05 (B) and insert the following in its place:
- “B. This section describes the requirements for the Monitoring System:
- The unit is intended to be a complete wireless monitoring and remote-control system. It shall include the hardware necessary for installation, such as a cellular radio, enclosure, backup battery, transformer, antenna with cable and mounting hardware. This unit is intended to provide Real-time alarms delivered via phone, text message, email, fax, pager and even to your existing HMI software via data link. Alarms shall be logged with a timestamp. All information shall be available on a web portal for tracking and reporting. The Proposed Cellular Monitoring device shall be compatible with LMWD existing Monitoring Software: 123SCADA”
- 3.05 Section 40 61 13 Process Control System General Provisions – Delete Paragraph 5.05 (C) entirely and insert the following in its place:
- “C. Acceptable Manufacturers:
1. Mission Communications Autodialer Systems
 2. Engineer Approved Equal”
- 3.06 Section 40 94 00B Instrumentation (Lift Station No. 4) - Insert the following as Paragraph 1.01 (D.1.):
- “1. It shall be noted that initially the lift station will be a triplex lift station with only two pumps installed. The start sequence and the operation sequence indicated in this section of the

specifications details the starting and the operation of only two pumps as normal operation. it shall be noted that as part of this scope of work the intent of this project is as follows:

- a. A 3rd pump shall be installed in the near future.
- b. The Control Panel shall include provisions for seamless installation and start up of this third pump.
 - 1) At the time that the third pump is needed, conduits from the wet well shall be completed and wiring from the pump shall be installed and landed in the Control panel along with the Future VFD.
 - 2) Programming for the Starting and Operating sequences for the pumps, in the RTU, shall include a third pump. Programming for the 3rd pump shall be defeated or turned off until such time that the 3rd pump is installed.
 - 3) Further, all appurtenances are intended to be installed in the Control Panel in this scope of work for Pump #3. These items shall include but are not limited to the following:
 - a) Terminal Blocks
 - b) Control Wiring, fuses, fuse holders
 - c) Pilot Devices, Switches, Overloads and Reset
 - d) Float for calling 3rd pump
 - e) Control relays
 - f) MCP for 3rd Pump Motor
 - g) Protective relays, etc.
 - 4) The intent of these plans and specifications shall be to only need to install the VFD, Pump, and wiring when the 3rd pump is needed.”

3.07 Section 44 42 56.04 Submersible Pumps - Insert the following as Paragraph 1.02 (D)

“D. TESTS AT LIFT STATION NO. 4 - Each pump and motor shall be performance tested at the factory. All pumps shall be tested with motor cables to be supplied with the pumps. Three copies of certified test reports, including actual test records, shall be submitted and approved by the Engineer prior to shipment of the equipment.

1. Performance Test:
 - a. Each pump installed at Lift Station No. 4 shall be tested for performance at the factory to determine the head vs. capacity, and power input to the submersible pump motor for the full speed at which the pumps are specified and shown on a certified performance test curve as continuous functions throughout the pump’s performance range. The motor and cable on each pump shall be tested for moisture content or insulation defects. After the test, the pump cable end shall be fitted with a shrink-fit rubber boot to protect it from moisture or water. Tests of models, prototypes or similar units will not be acceptable.

- b. Performance tests for Lift Station No. 4 shall be run in accordance with the test code for Rotodynamic, Submersible pumps of the Standards of Hydraulic Institute, latest edition, with performance guarantees for Flow, Head, and Wire-to-Water Efficiency.

- 1) Grade 1U

- 2. Hydrostatic Test

- a. Hydrostatic tests shall be run in accordance with the test code for Rotodynamic, Submersible pumps of the Standards of Hydraulic Institute, latest edition.

- 3. Vibration Test

- a. Vibration tests shall be run in accordance with the test code for Rotodynamic, Submersible pumps of the Standards of Hydraulic Institute, latest edition.”

3.08 Section 44 42 56.04 Submersible Pumps – Delete Paragraph (2.10) (c) in its entirety and insert the following in its place:

“c. Provide lower bearing sensor (for Lift Station No. 4 pumps only)”

ARTICLE 4 – DRAWINGS

4.01 Replace the following Drawings:

Replace Drawing		With Drawing	
Drawing No.	Drawing Title	Drawing No.	Drawing Title
LS25-FM1	Upstream Tie In and Pizza Hut Force Main Reroute	LS25-FM1	Upstream Tie In and Pizza Hut Force Main Reroute
SH100-1	SH-100 Gravity Main Project Overview	SH100-1	SH-100 Gravity Main Project Overview
SH100-4	Wastewater Line “B” SH-100 STA. 0+90 to 5+00	SH100-4	Wastewater Line “B” SH-100 STA. 0+90 to 5+00

END OF ADDENDUM NO. 1



FREESE AND NICHOLS, INC.
TEXAS REGISTERED
ENGINEERING FIRM
F-2144

SPECIFICATIONS

00 41 16 Bid Form Exhibit A
01 35 00 Special Procedures
33 32 16 Packaged Utility Wastewater Back-Up
Diesel Pumping Station
44 42 56.04 Submersible Pumps

DRAWINGS

Sheet LS25-FM1
Sheet SH100-1
Sheet SH100-4



6/25/2021

Square E Engineering LLC
Texas Registered
Engineering Firm
F-12247

SPECIFICATIONS

40 61 13 Process Control System General
Provisions
40 61 13.01 Control Systems: PCS Software
40 94 00B Instrumentation (Lift Station No. 4)

00 42 16 BID FORM EXHIBIT 'A'

LIFT STATION REHABILITATION GENERAL BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
1.	For Mobilization and Demobilization described in the Contract Documents for the lump sum (Maximum 5% of total contract of the Lift Station Rehabilitation Project) of:	LS	1	\$ _____	\$ _____
2.	Project sign, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____
3.	For development of a storm water pollution prevention plan including installation, maintenance and removal of temporary erosion and sedimentation control measures, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
4.	For development, design, and implementation of a trench safety system as required by the Occupational Safety and Health Administration and the assumption of responsibility for said system, including all required trench safety for alternate bid items, and structures complete as specified and indicated in the plans. (Contractor shall insert quantity of trench safety required for the project. Contractor will only be paid for trench safety installed.)	LF	_____ (min. 7,000)	\$ _____	\$ _____
5.	Provide and adhere to asbestos abatement plan, including proper disposal of any disturbed existing asbestos piping, including all appurtenant work, complete as specified and indicated on the plans.	LS	1	\$ _____	\$ _____
TOTAL BID AMOUNT (GENERAL BASE BID ITEMS)					\$ _____

LIFT STATION NO. 4 REHABILITATION BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
6.	For replacement of Lift Station No. 4, site rehabilitation, miscellaneous yard piping, hydro mulching, dewatering, testing, and all other appurtenant work and items not specifically included in other bid items, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
7.	Design, install, maintain, and remove Traffic Control Plan and devices, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
8.	Reroute existing 10" Lift Station No. 3 Force Main Discharge Piping, complete as specified and indicated in the plans.	LF	16	\$ _____	\$ _____
9.	Install asphalt pavement access drive, complete as specified and indicated in the plans.	SY	232	\$ _____	\$ _____
10.	Remove and replace existing 18" CMP culvert, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
11.	Abandon existing wet well and salvage existing submersible pumps, including demolition of existing concrete supports and discharge piping, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
12.	Rehabilitate existing concrete manhole, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____
13.	Install 14' diameter cast-in-place wet well and foundation including concrete protective coatings, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
14.	Install two (2) submersible pumps with bases, guide rails, and cables; complete as specified and indicated in the plans.	EA	2	\$ _____	\$ _____

15.	Install 15" diameter 3034 ASTM SDR 26 PVC gravity main, complete as specified and indicated in the plans.	LF	28	\$ _____	\$ _____
16.	Install proposed above grade discharge piping, valves and appurtenances complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
17.	Install proposed wet well discharge piping, fittings and supports complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
18.	Install tie-in for proposed discharge piping to existing force main, including all fittings, restraints, thrust blocking, and appurtenant work, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
19.	Install air release valve on proposed ductile iron discharge piping, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____
20.	Install pressure gauge on proposed ductile iron discharge piping, complete as specified and indicated in the plans.	EA	3	\$ _____	\$ _____
21.	Install standby diesel pump skid and suction piping, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
22.	Install stainless steel pipe supports on above grade discharge piping, including all appurtenances, complete as specified and indicated in the plans.	EA	9	\$ _____	\$ _____
23.	Install 48"x108" triple leaf aluminum pump access hatch with safety grate, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____
24.	Install stainless steel cable holders for pump cables and instrumentation, complete as specified and indicated in the plans.	EA	3	\$ _____	\$ _____
25.	Install 8" stainless steel vent and vent support, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____

26.	Install odor control system, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
27.	Install protective coatings on all ductile iron piping and valves, above grade and within the wet well, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
28.	Provide by-pass pumping for the completion of the project, including all temporary and permanent connections, and all appurtenant work, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
29.	Remove and replace existing fence, complete as specified and indicated in the plans.	LF	250	\$_____	\$_____
30.	Install 4-foot man gate, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
31.	Install 12-foot cantilever gate, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
32.	Demolish existing electrical rack, conduits, lighting, instrumentation, etc., including all appurtenant work, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
33.	For the installation of all electrical equipment, foundations, lighting, conduit, instrumentation and wiring improvements, and all appurtenant work, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
TOTAL BID AMOUNT (LIFT STATION NO. 4 BASE BID ITEMS)					\$_____

LIFT STATION NO. 11 FORCE MAIN BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
34.	Install 16" PVC DR 25 Force Main, including all stainless steel fittings, restraints, thrust blocking, and appurtenant work complete as specified and indicated in the plans.	LF	1,840	\$_____	\$_____
35.	Design, install, maintain, and remove Traffic Control Plan and devices, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
36.	Plug and abandon existing 12" PVC Force Main, complete as specified and indicated in the plans.	LF	1,840	\$_____	\$_____
37.	Install tie-in for proposed discharge piping to existing force main, including all fittings, restraints, thrust blocking, and appurtenant work, complete as specified and indicated in the plans.	EA	2	\$_____	\$_____
38.	Pavement Repair, complete as specified and indicated in the plans.	SY	820	\$_____	\$_____
39.	Concrete driveway repair, complete as specified and indicated in the plans.	SY	25	\$_____	\$_____
40.	Force Main Testing, complete as specified and indicated in the plans.	LF	1,840	\$_____	\$_____
41.	Right-of-Way Restoration, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
42.	Supplemental cost for use of cement stabilized backfill for trench backfill. If implemented, total for pipeline installation will be Item No. 34 + Item No. 42.	LF	1,840	\$_____	\$_____
TOTAL BID AMOUNT (LIFT STATION NO. 11 FORCE MAIN BASE BID ITEMS)					\$_____

HICKMAN ROAD GRAVITY MAIN REPLACEMENT BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
43.	Install 18" PVC ASTM F679 PS115 Gravity Main, complete as specified and indicated in the plans.	LF	90	\$_____	\$_____
44.	Design, install, maintain, and remove Traffic Control Plan and devices, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
45.	Install 4' Fiberglass Manhole, complete as specified and indicated in the plans.	EA	2	\$_____	\$_____
46.	Rehabilitate existing manhole, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
47.	Pavement Repair, complete as specified and indicated in the plans.	SY	55	\$_____	\$_____
48.	Provide by-pass pumping for the completion of the project, including all temporary and permanent connections, and all appurtenant work, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
49.	Supplemental cost for use of cement stabilized backfill for trench backfill. If implemented, total for pipeline installation will be Item No. 43 + Item No. 49.	LF	90	\$_____	\$_____
TOTAL BID AMOUNT (HICKMAN ROAD GRAVITY MAIN BASE BID ITEMS)					\$_____

LIFT STATION NO. 17 REHABILITATION BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
50.	For replacement of Lift Station No. 17, including foundation structural improvements, site rehabilitation, hydro mulching, dewatering, testing, and all other appurtenant work and items not specifically included in other bid items, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
51.	Abandon existing lift station, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
52.	Install water supply line, backflow preventer, and hose bib complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
53.	Install 18" PVC ASTM 3034 SDR 26 Gravity Main, complete as specified and indicated in the plans.	LF	105	\$_____	\$_____
54.	Install 4' Fiberglass Manhole, complete as specified and indicated in the plans.	EA	2	\$_____	\$_____
55.	Rehabilitate existing manhole, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
56.	Install 8' Fiberglass Wet Well, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
57.	Install above grade non clog self-priming centrifugal pumps including pressure gauge, vacuum gauge, air release valve, and all appurtenant work, complete and specified and indicated in the plans.	LS	1	\$_____	\$_____
58.	Install wet well PVC suction piping and fittings, stainless steel supports, including all appurtenances, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____

59.	Install above grade ductile iron discharge piping and fittings, check valves and gate valves, including all appurtenances, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
60.	Install air release valve on proposed ductile iron discharge piping, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
61.	Install aluminum access hatch and safety grating on existing wet well hatch, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
62.	Install stainless steel pipe supports on above grade discharge piping, including all appurtenances, complete as specified and indicated in the plans.	EA	5	\$_____	\$_____
63.	Install stainless steel cable holders for instrumentation, complete as specified and indicated in the plans.	EA	2	\$_____	\$_____
64.	Install 4" stainless steel vent and vent support, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
65.	Install protective coatings on all ductile iron piping and valves, above grade and within the wet well, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
66.	Provide by-pass pumping for the completion of the project, including all temporary and permanent connections, and all appurtenant work, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
67.	Install site fencing, complete as specified and indicated in the plans.	LF	80	\$_____	\$_____
68.	Install 4-foot man gate, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
69.	Install 8-foot cantilever gate, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____

70.	Demolish existing electrical rack, conduits, lighting, instrumentation, etc., including all appurtenant work, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
71.	For the installation of all electrical equipment, foundations, lighting, conduit, instrumentation and wiring improvements, and all appurtenant work, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
TOTAL BID AMOUNT (LIFT STATION NO. 17 BASE BID ITEMS)					\$ _____

LIFT STATION NO. 17 FORCE MAIN REPLACEMENT BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
72.	Install 6" PVC DR 25 Force Main, including all stainless steel fittings, restraints, thrust blocking, and appurtenant work complete as specified and indicated in the plans.	LF	1,020	\$ _____	\$ _____
73.	Design, install, maintain, and remove Traffic Control Plan and devices, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
74.	Plug and abandon existing 6" asbestos concrete Force Main, complete as specified and indicated in the plans.	LF	1,020	\$ _____	\$ _____
75.	Install tie-in to existing downstream manhole, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____
76.	Rehabilitate existing tie in manhole, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____
77.	Pavement Repair, complete as specified and indicated in the plans.	SY	407	\$ _____	\$ _____

78.	Concrete Repair of existing drainage channel, complete as specified and indicated in the plans.	SY	346	\$ _____	\$ _____
79.	Force Main Testing, Complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
80.	Right-of-Way Restoration, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
81.	Supplemental cost for use of cement stabilized backfill for trench backfill. If implemented, total for pipeline installation will be Item No. 72 + Item No. 81.	LF	1,020	\$ _____	\$ _____
TOTAL BID AMOUNT (LIFT STATION NO. 17 FORCE MAIN REPLACEMENT BASE BID ITEMS)					\$ _____

LIFT STATION NO. 25 FORCE MAIN REPLACEMENT BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
82.	Install 6" PVC DR 25 Force Main via Open Cut, including all stainless steel fittings, restraints, thrust blocking, and appurtenant work complete as specified and indicated in the plans.	LF	359	\$ _____	\$ _____
83.	Install 2" PVC Force Main via Open Cut, including all stainless steel fittings, restraints, thrust blocking, pavement repair, appurtenant work complete as specified and indicated in the plans.	LF	370	\$ _____	\$ _____
84.	Design, install, maintain, and remove Traffic Control Plan and devices, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
85.	Install 6" Fusible PVC DR 25 via Jack and Bore, complete as specified and indicated in the plans	LF	121	\$ _____	\$ _____

86.	Install 16" Steel Casing via Jack and bore, complete as specified and indicated in the plans.	LF	121	\$ _____	\$ _____
87.	Install bore pit for installation of 6" PVC force main across SH-100, complete as specified and indicated in the plans.	EA	2	\$ _____	\$ _____
88.	Plug and abandon existing 6" asbestos concrete Force Main, complete as specified and indicated in the plans.	LF	225	\$ _____	\$ _____
89.	Plug and abandon existing 2" PVC Force main, complete as specified and indicated in the plans.	LF	380	\$ _____	\$ _____
90.	Install 2" force main tie in to existing concrete manhole and rehabilitate existing concrete manhole, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____
91.	Pavement Repair, complete as specified and indicated in the plans.	SY	20	\$ _____	\$ _____
92.	Concrete Driveway Repair, complete as specified and indicated in the plans	SY	100	\$ _____	\$ _____
93.	Force Main Testing, Complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
94.	Right-of-Way Restoration, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
95.	Supplemental cost for use of cement stabilized backfill for trench backfill. If implemented, total for pipeline installation will be Item No. 82 + Item No. 83 + Item No. 95.	LF	729	\$ _____	\$ _____
TOTAL BID AMOUNT (LIFT STATION NO. 25 FORCE MAIN REPLACEMENT BASE BID ITEMS)					\$ _____

LIFT STATION NO. 30 DECOMISSION AND GRAVITY MAIN BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
96.	Install 18" PVC F679 PS115 Gravity Main, complete as specified and indicated in the plans.	LF	1,100	\$_____	\$_____
97.	Install 6" PVC ASTM 3034 SDR 26 Gravity Main, complete as specified and indicated in the plans.	LF	154	\$_____	\$_____
98.	Decommission existing Lift Station No. 30 and reroute incoming laterals, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
99.	Rehabilitate existing concrete manhole, complete as specified and indicated in the plans.	EA	2	\$_____	\$_____
100.	Install 4' fiberglass manhole, complete as specified and indicated in the plans.	EA	1	\$_____	\$_____
101.	Install 6' fiberglass manhole, complete as specified and indicated in the plans.	EA	5	\$_____	\$_____
102.	Pavement Repair, complete as specified and indicated in the plans	SY	143	\$_____	\$_____
103.	Right-of-Way restoration, complete as specified and indicated in the plans.	LS	1	\$_____	\$_____
104.	Supplemental cost for use of cement stabilized backfill for trench backfill. If implemented, total for pipeline installation will be Item No. 96 + Item No. 104.	LF	1,254	\$_____	\$_____
TOTAL BID AMOUNT (LIFT STATION NO. 30 GRAVITY MAIN BASE BID ITEMS)					\$_____

SH-100 GRAVITY MAIN BASE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
105.	Install 8" PVC ASTM 3034 SDR 26 Gravity Main, complete as specified and indicated in the plans.	LF	1,118 ^{Addendum No. 1}	\$ _____	\$ _____
106.	Design, install, maintain, and remove Traffic Control Plan and devices, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
107.	Install 8" Fusible PVC DR 25 via Jack and Bore, complete as specified and indicated in the plans	LF	207 ^{Addendum No. 1}	\$ _____	\$ _____
108.	Install 16" Steel Casing via Jack and Bore, complete as specified and indicated in the plans.	LF	207 ^{Addendum No. 1}	\$ _____	\$ _____
109.	Install bore pit for installation of 8" PVC force main across SH-100, complete as specified and indicated in the plans.	EA	2	\$ _____	\$ _____
110.	Install bore pit for driveway crossings, complete as specified and indicated in the plans.	EA	4 ^{Addendum No. 1}	\$ _____	\$ _____
111.	Install 6" gravity service stub out, complete as specified and indicated in the plans.	EA	6	\$ _____	\$ _____
112.	Reroute and connect existing 4" force main service to proposed gravity main, complete as specified and indicated in the plans.	LF	230	\$ _____	\$ _____
113.	Rehabilitate existing concrete manhole, complete as specified and indicated in the plans.	EA	1	\$ _____	\$ _____
114.	Install 4' fiberglass manhole, complete as specified and indicated in the plans.	EA	8	\$ _____	\$ _____
115.	Pavement Repair, complete as specified and indicated in the plans	SY	360	\$ _____	\$ _____

116.	Repair concrete driveway, complete as specified and indicated in the plans	SY	170 ^{Addendum No. 1}	\$ _____	\$ _____
117.	Right-of-Way restoration, complete as specified and indicated in the plans.	LS	1	\$ _____	\$ _____
118.	Supplemental cost for use of cement stabilized backfill for trench backfill. If implemented, total for pipeline installation will be Item No. 105 + Item No. 112+118.	LF	1,348 ^{Addendum No. 1}	\$ _____	\$ _____
TOTAL BID AMOUNT (SH-100 GRAVITY MAIN BASE BID ITEMS)					\$ _____

TOTAL BID AMOUNT (ALL BASE BID ITEMS)	\$ _____
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ALTERNATE BID ITEMS					
Item No.	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
A1.	Add: Furnish and install package Lift Station for Lift Station No. 35 as indicated in the plans and as specified.	LS	1	\$ _____	\$ _____
A2.	Add: Rehabilitate Lift Station No. 15 as indicated in the plans and as specified.	LS	1	\$ _____	\$ _____

Contract Time

L	Offeror agrees to reach Substantial Completion in	330	days
M	Offeror agrees to reach Final Completion in	360	days

BID SUBMITTED BY:

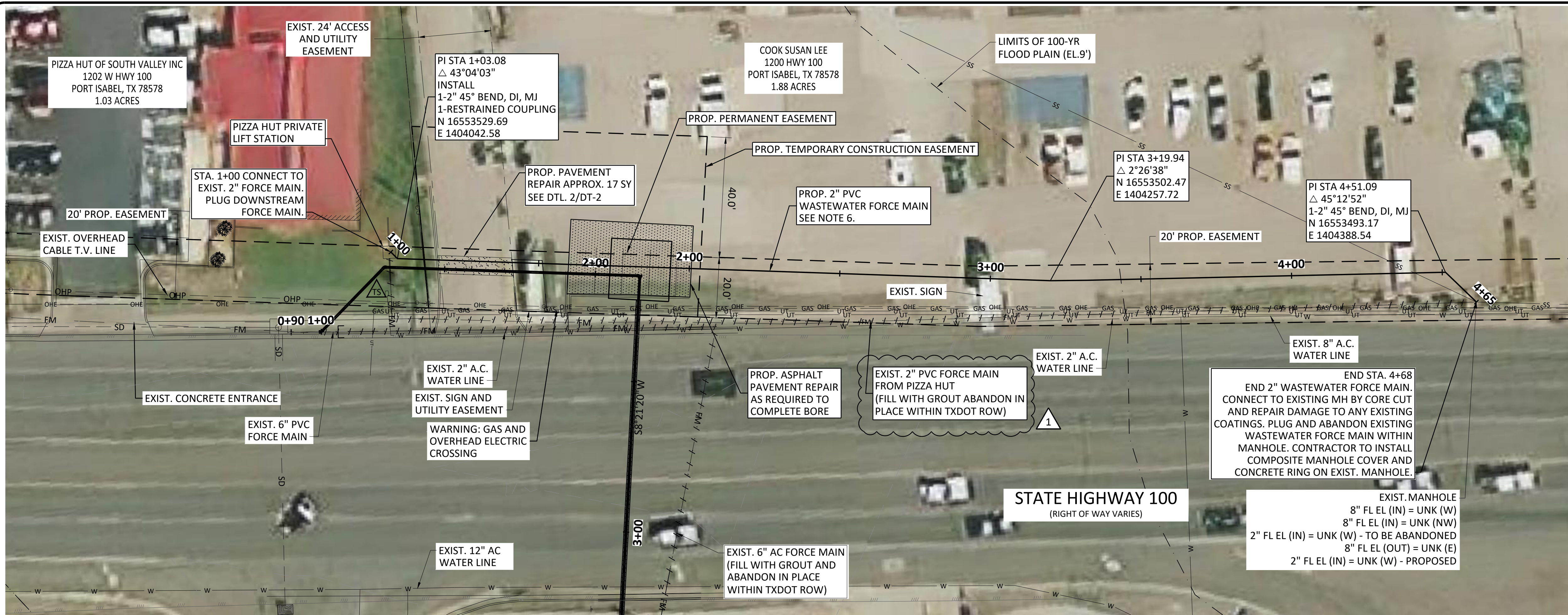
Offeror: _____

Signature: _____

Printed Name: _____

Title: _____

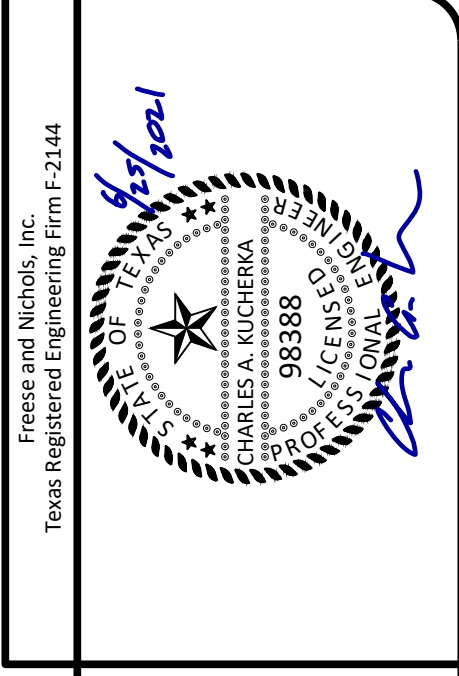
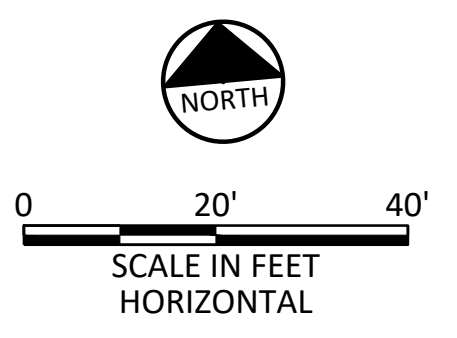
Date: _____



CAUTION!!!
 EXISTING UNDERGROUND AND OVERHEAD UTILITIES IN THE AREA. 48 HOURS PRIOR TO CONSTRUCTION CONTACT 1-800-DIG-TESS

NOTES:

1. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION.
2. FORCE MAIN PIPE MUST BE RESTRAINED WITH FUSIBLE PVC, CERTA-LOK OR APPROVED EQUAL.
3. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE/MULCH SOCK AND REQUIRED TO PREVENT OFFSITE TRACKING AND DRAINAGE.
4. ALL WORK WITHIN TXDOT ROW MUST BE CONSISTENT WITH THE TXDOT PERMIT.
5. CENTER 20' JOINT OF FORCE MAIN PIPE AT CROSSING OF WATER LINE. FORCE MAIN MUST BE CONSTRUCTED AT LEAST 6" BELOW THE WATER LINE.
6. REPAIR ASPHALT PAVEMENT AS REQUIRED TO INSTALL FORCE MAIN PER DTL. 2/DT2. REPAINT PARKING STRIPING TO MATCH EXISTING.



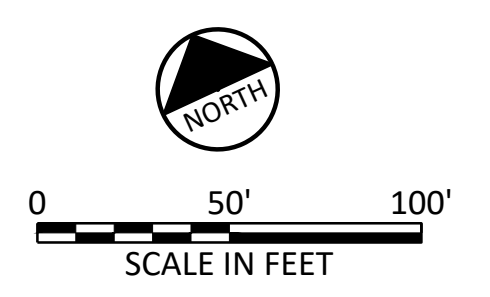
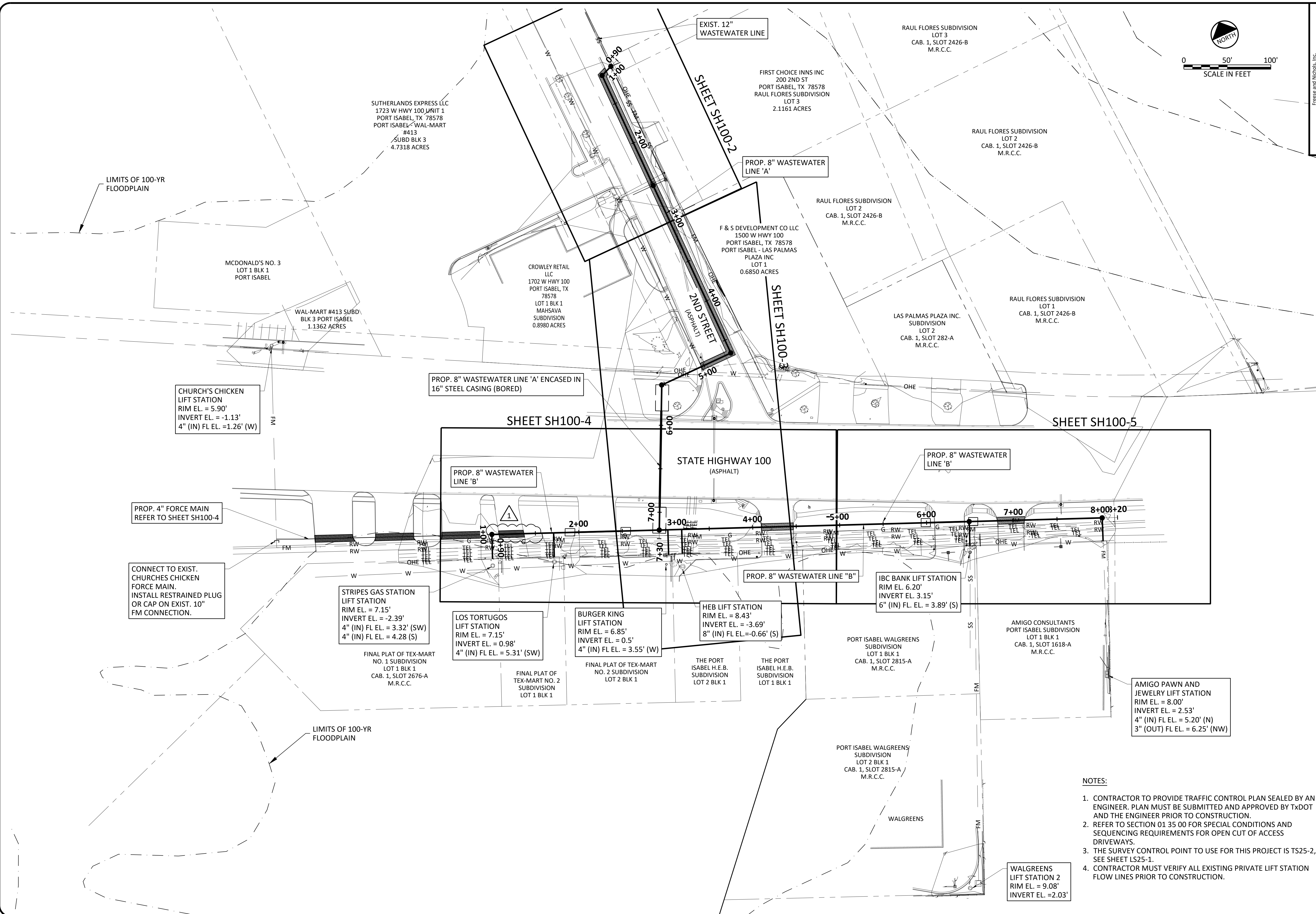
FREES & NICHOLS
 1251 Sadler Drive
 Building 1 Suite 1150
 San Marcos, Texas 78666
 Phone - (512) 213-3200
 Web - www.freese.com

LIFT STATION REHABILITATION PROJECT NO. 1
 LAGUNA MADRE WATER DISTRICT
 LIFT STATION NO. 25 FORCE MAIN
UPSTREAM TIE IN AND PIZZA HUT FORCE MAIN REROUTE

NO.	ISSUE	BY	DATE	F&N JOB NO.	DATE	DESIGNED	DRAWN	REVISION	CHECKED	FILE NAME
				LMW19354	6/24/2021	JMM	JMM	EWL	CAK	GN-OVRL-LS25-FM3.dwg
ADDENDUM NO. 1 VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.										
SHEET LS25-FM3 SEQ.										

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ACAD Ref: 24.0s (LMS Tech)
 Filename: N:\W\TU\Drawings\C-LMW-SH100-OVRL-SITE.dwg
 Last Saved: 5/28/2021 3:56 PM
 Saved By: 07155



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LAGUNA MADRE WATER DISTRICT
LIFT STATION REHABILITATION PROJECT NO. 1
 SH-100 GRAVITY MAIN
SH-100 GRAVITY MAIN PROJECT OVERVIEW

NO.	ISSUE	DATE	BY	DATE	FILE NAME
0	ADDENDUM NO. 1	6/25/2021	CAK	6/25/2021	C-LMW-SH100-OVRL-SITE.dwg
DESIGNED	JMM	6/25/2021			
DRAWN	JMM				
REVISION	EVL				
CHECKED	CIG				
CAK	CAK				

Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

VERIFY SCALE 1

SHEET **SH100-1**

SEQ.

- NOTES:**
1. CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN SEALED BY AN ENGINEER. PLAN MUST BE SUBMITTED AND APPROVED BY TxDOT AND THE ENGINEER PRIOR TO CONSTRUCTION.
 2. REFER TO SECTION 01 35 00 FOR SPECIAL CONDITIONS AND SEQUENCING REQUIREMENTS FOR OPEN CUT OF ACCESS DRIVEWAYS.
 3. THE SURVEY CONTROL POINT TO USE FOR THIS PROJECT IS TS25-2, SEE SHEET LS25-1.
 4. CONTRACTOR MUST VERIFY ALL EXISTING PRIVATE LIFT STATION FLOW LINES PRIOR TO CONSTRUCTION.

CONTINUE TO BEGINNING OF 4" FORCE MAIN

REROUTE EXIST. 4" C900 DR 14 FORCE MAIN APPROX. 230 LF FROM CHURCH'S CHICKEN FORCE MAIN CONNECTION TO LIFT STATION NO. 4 10" FORCE MAIN TO PROP. MH-SH-100G. REROUTE INCLUDES APPROX. 128 SY OF PAVEMENT REPAIR AND 24 LF OF CURB AND GUTTER REPAIR. PLUG EXISTING CONNECTION TO LIFT STATION NO. 4 FORCE MAIN. SEE NOTE 7 & 8

EXIST. CONCRETE PAVEMENT PROP. PAVEMENT REPAIR (APPROX. 39 SY)

EXIST. CONCRETE PAVEMENT PROP. PAVEMENT REPAIR (APPROX. 40 SY)

SH-100 (ASPHALT)

EXIST. CONCRETE PAVEMENT PROP. PAVEMENT REPAIR (APPROX. 26 SY)

SILT FENCE 118 LF SEE DTL 2/DT-1

PROP. BORE PIT (25'X10')

PROP. 8" X 53 LF FPVC C-900 WASTEWATER LINE 'B' ENCASED IN 16" STEEL CASING (BORED) REFER TO DETAIL 1/DT-8 SEE NOTE 9.

EXIST. BACK OF CURB

PROP. 8" X 193 LF WASTEWATER LINE "B"

PROP. BORE PIT (10'X10')

PROP. 8" SS PIPE @ 0.35%

REMOVE AND REPLACE 4 LF CONCRETE CURB AND GUTTER

BURGER KING LIFT STATION INSTALL WASTEWATER SERVICE CONNECTION SEE SHEET DT-7 RIM EL. = 7.15' INVERT EL. = 0.98" 4" (IN) FL EL. = 5.31' (SW) 4" (IN) FL EL. = 4.28' (S)

LOS TORTUGOS LIFT STATION INSTALL WASTEWATER SERVICE CONNECTION SEE SHEET DT-7 RIM EL. = 7.15' INVERT EL. = 0.98" 4" (IN) FL EL. = 5.31' (SW) 4" (IN) FL EL. = 4.28' (S)

STRIPES GAS STATION LIFT STATION INSTALL WASTEWATER SERVICE CONNECTION SEE SHEET DT-7 RIM EL. = 7.15' INVERT EL. = 0.98" 4" (IN) FL EL. = 5.31' (SW) 4" (IN) FL EL. = 4.28' (S)

MH SH-100G STA 1+00.00 INSTALL: 1-STD. 4" DIA. FIBERGLASS WWMH RIM 6.27 N 16553899.47 E 1402401.56

MH SH-100F STA 2+92.55 INSTALL: 1-STD. 4" DIA. WWMH RIM=5.63 8" FL IN (NW)=-2.87 8" FL IN (SE)=-2.87 8" FL OUT (NE)=-2.97

EXIST. 18" CONCRETE STORM SEWER LINE

EXIST. CONCRETE SIDEWALK REMOVE AND REPLACE AS REQUIRED FOR CONSTRUCTION (NO SEPERATE PAY)

SILT FENCE 208 LF SEE DTL 2/DT-1

EXIST. UNDERGROUND TELE/COMM.

EXIST. STORM DRAIN

EXIST. CONCRETE PAVEMENT PROP. PAVEMENT REPAIR (APPROX. 33 SY)

PROP. 8" X 208 LF WASTEWATER LINE "B"

EXIST. GAS LINE

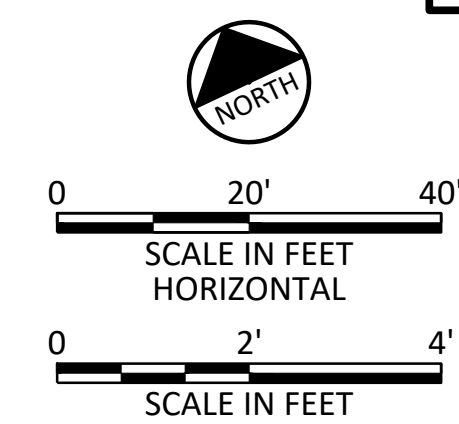
REMOVE AND REPLACE 4 LF CONCRETE CURB AND GUTTER

REMOVE AND REPLACE 4 LF CONCRETE CURB AND GUTTER

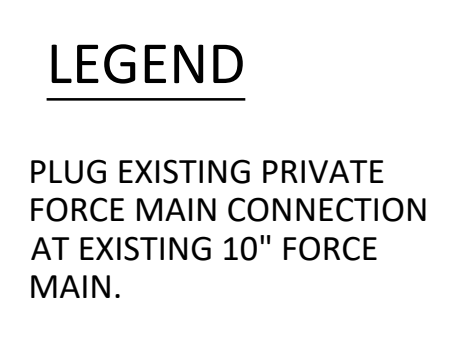
REMOVE AND REPLACE 4 LF CONCRETE CURB AND GUTTER

CAUTION!!! EXISTING UNDERGROUND AND OVERHEAD UTILITIES IN THE AREA. 48 HOURS PRIOR TO CONSTRUCTION CONTACT 1-800-DIG-TESS

MATCH LINE STA 5+00



- NOTES:
- CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION.
 - AT EXISTING PRIVATE LIFT STATION CONNECTIONS, CONNECT TO EXIST. LIFT STATION NO. 4 FORCE MAIN. PRIVATE LIFT STATION FORCE MAIN. CONTRACTOR MUST LOCATE EXISTING PRIVATE LIFT STATION FORCE MAIN CONNECTION TO OWNER'S EXIST. 10" PVC FORCE MAIN AND PLUG AS REQUIRED TO ABANDON CONNECTION. (4-PLCS)
 - WASTEWATER SERVICE CONNECTIONS TO EXTEND TO R.O.W. LINE AND CONNECT TO EXIST. PRIVATE LIFT STATION FORCE MAINS.
 - ALL WORK WITHIN THE TXDOT RIGHT OF WAY MUST BE CONSISTENT WITH TXDOT PERMIT.
 - INSTALL 8" WASTEWATER SERVICE CONNECTION INSTEAD OF 6" TYP. SERVICE.
 - REFER TO SECTION 01 35 00 "SPECIAL PROCEDURES". FOR DRIVEWAY CROSSING REQUIREMENTS.
 - FORCE MAIN MUST BE CONSTRUCTED WITH A NEGATIVE GRADIENT FROM THE EXISTING TIE-IN TO MH-SH-100G.
 - CONTRACTOR MAY INSTALL PROPOSED 4" FORCE MAIN BY HDD UNDER DRIVEWAYS IN LIEU OF OPEN CUT AT NO ADDITIONAL COST.
 - CONTRACTOR MAY BORE UNDER DRIVEWAYS AS A SINGLE BORE AT NO ADDITIONAL COST. PROPOSED SERVICE MUST STILL BE PROVIDED AS SHOWN.



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LIFT STATION REHABILITATION PROJECT NO. 1
 SH-100 GRAVITY MAIN
 WASTEWATER LINE "B"
 SH-100 STA. 0+90 TO 5+00

NO.	ISSUE	BY	DATE	FILE NAME
0		CAK	6/25/2021	C-LMW-SH100-PP02.dwg
1		CAK	6/25/2021	C-LMW-SH100-PP02.dwg

ADDITIONAL NO. 1
 VERIFY SCALE
 Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET SH100-4
 SEQ.