

# FERRIS, FLINN & MEDINA, LLC

E N G I N E E R S

S U R V E Y O R S

## ADDENDUM NO. 2

To: All Planholders  
From: Frank A. Ferris, PE  
Subject: United Irrigation District  
Pump Station E458  
Date: August 20, 2024

The Contract Plans are hereby modified as follows:

### REFER TO CONTRACT PLANS

#### Plan Sheet 14A

Attached Plan Sheet 14A is hereby added to the Construction Plans.

#### Plan Sheet 20

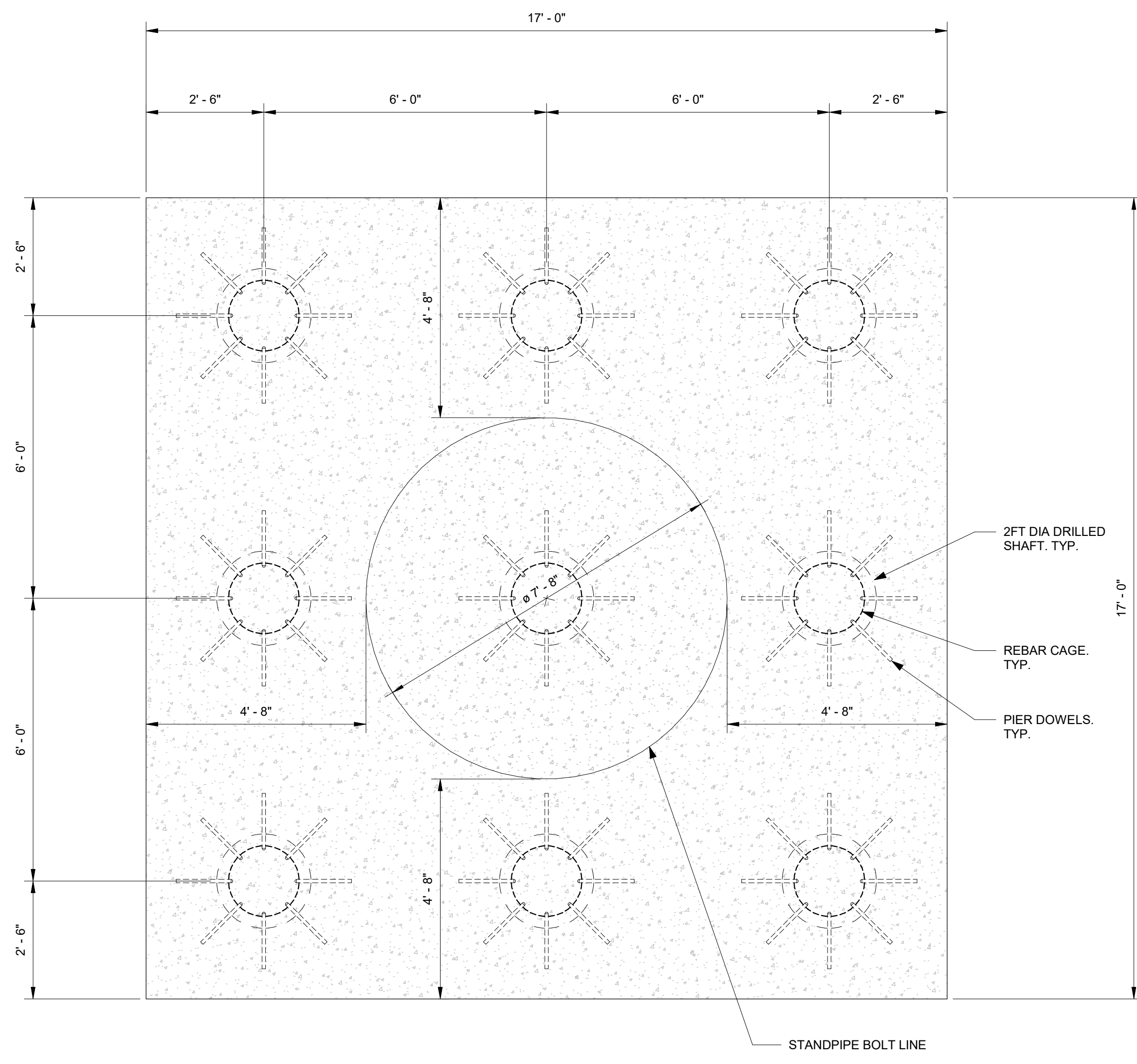
Refer to attached letter from Willard Jordan, PE, regarding Addendum No. 2, and make changes to Plan Sheet 20, accordingly.

Addendum No.1 Issued by,  
**FERRIS, FLINN & MEDINA, LLC**  
TBPE Firm Reg. No. F-897  
United Irrigation District, District Engineer

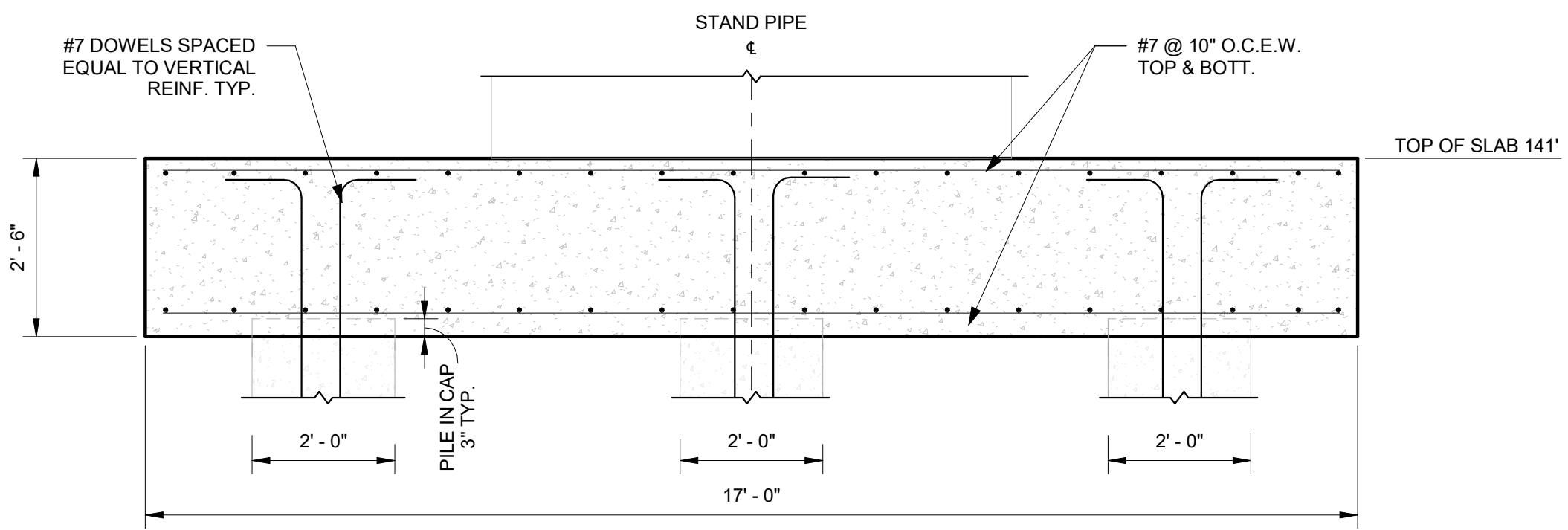
Frank A. Ferris, PE



8.20.24



3 STANDPIPE FOUNDATION PLAN  
1/2" = 1'-0"

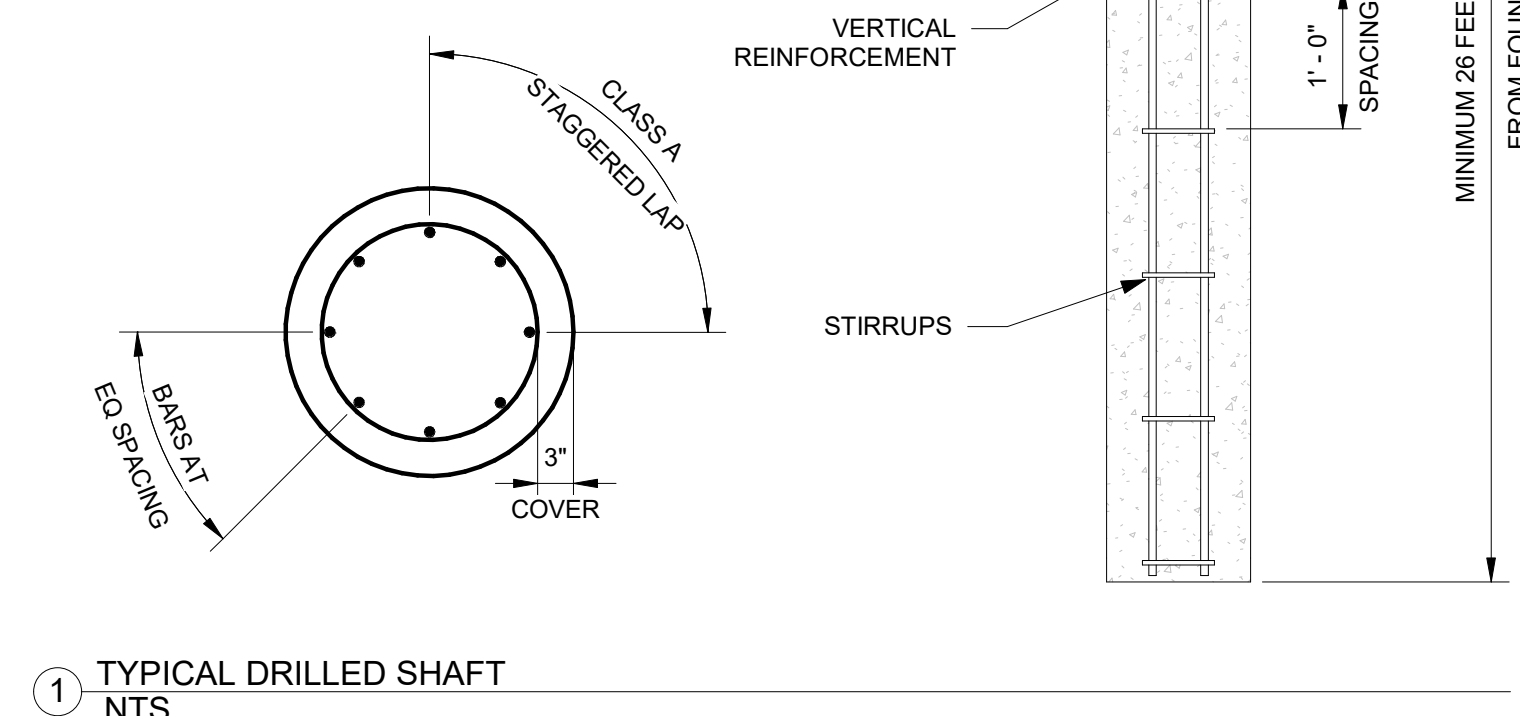


2 STANDPIPE FOUNDATION SECTION  
1/2" = 1'-0"

DRILLED SHAFT NOTES:

- SAND STRATA IS EXPECTED DURING EXCAVATION. SANDY SOILS SHALL BE EXCAVATED AT A SLOW AND CONTROLLED RATE.
- THE GEOTECHNICAL REPORT RECOMMENDS THE USE OF TEMPORARY STEEL CASING OR SLURRY METHOD DRILLING FOR SHAFT CONSTRUCTION.
- CONTRACTOR SHALL DRILL ONE TEST SHAFT AND NOTIFY THE ENGINEER OF RECORD OF ANY ADVERSE CONDITIONS.
- GROUND WATER IS EXPECTED DURING EXCAVATION. GROUND WATER SHALL BE CONTROLLED BEFORE AND DURING CONSTRUCTION USING ACCEPTABLE DEWATERING METHODS.
- PIERS SHALL BE POURED IMMEDIATELY UPON COMPLETION OF EXCAVATION AND CLEANING OF PIER BEARING SURFACE. ALL SPOILS FROM THE DRILLED PIER EXCAVATION SHALL BE REMOVED FROM THE BUILDING PAD.
- PROVIDE A TREMIE TO PLACE CONCRETE IN DRILLED FOOTINGS SO THAT CONCRETE DOES NOT FREE FALL OVER TEN FEET.
- GENERAL CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT TO FOLLOW CONSTRUCTION RECOMMENDATIONS AND CONSIDERATIONS.

PIER REINFORCEMENT SCHEDULE		
SIZE	REINFORCEMENT	
SHAFT	VERTICAL	STIRRUPS
24"	(8) - #7	#4 @ 12"



1 TYPICAL DRILLED SHAFT  
NTS

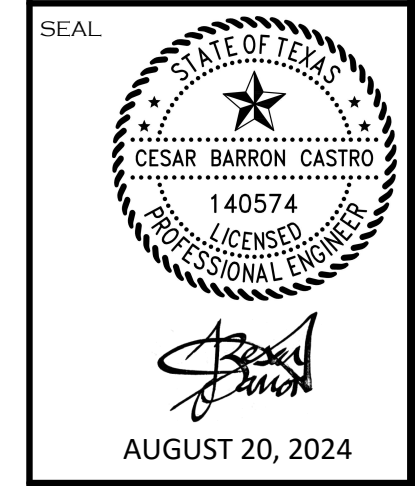
PIPESTAND FOUNDATION DESIGNED PER THE FOLLOWING CRITERIA BY THE TANK MANUFACTURER:

EMPTY TANK WEIGHT: 25,000 LB  
FULL TANK WEIGHT: 241,000 LB

WIND CRITERIA:

ULTIMATE DESIGN WIND SPEED (3-SEC.GUST)= 143 MPH  
RISK CATEGORY II  
EXPOSURE CATEGORY: C  
WIND LATERAL FORCE: 21,541 LBS  
WIND-INDUCED MOMENT AT BASE OF TANK: 977,523 FT-LBS

**FERRIS, FLINN & MEDINA, LLC**  
ENGINEERS SURVEYORS  
1405 N. STUART PLACE ROAD  
PALM VALLEY, TEXAS 78152  
PHONE: (956) 364-2236 FAX: (956) 364-1023  
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
FIRM REGISTRATION NO.: F-897



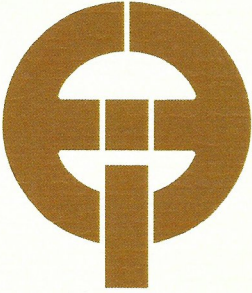
REVISIONS:

NO.	DESCRIPTION	DATE
1	ADDENDUM	8/20/2024
2		24

UNITED IRRIGATION DISTRICT  
PUMP STATION E458  
STANDPIPE FOUNDATION

**BARRON ENGINEERING**  
2404 S. GRAND BLVD., SUITE 215E,  
PEARLAND, TEXAS 77581  
832-295-3600  
TBPE FIRM No. F-23075





**ELECTRICAL  
EXPERTISE Inc.**

TBPE Firm #F-2490

ST 87 Lake Cherokee  
Henderson, Texas 75652

903-297-7811 August 17, 2024

Ferris, Flinn, & Medina, LLC  
1405 North Stuart Place Road  
Palm Valley, TX 78552

RE: United ID E458 Pump Station  
Addendum #2

Dear Mr. Frank Ferris, PE

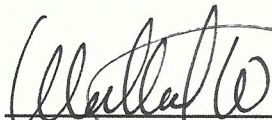
Please address the following items in an addendum to the contract documents for the United ID E458 Pump Station:

Refer to the "SCADA SYSTEM ANTENNA MOUNTING DETAIL" and the RTU-400 Detail on contract drawing sheet 20 and make the following changes to accommodate relocating the SCADA system radio from RTU-400 to the standpipe. The radio shall be furnished complete in a weatherproof enclosure and mounted approx. 5' above grade.

1. Delete the 2" PVC conduit between the standpipe and RTU-400.
2. Furnish and install (F&I) a 3/4" conduit with (3)-#12 (120 vac) between RTU-400 and the SCADA system radio that shall be mounted on the standpipe.
3. F&I a 3/4" conduit with two 2/C, #14 AWG twisted pair shielded cables between RTU-400 and the SCADA system radio.

Should you have any questions, or desire more information, please call.

Sincerely,

  
Willard Jordan, PE

