



RIVERBEND WATER RESOURCES DISTRICT PUMP STATION & GROUND STORAGE TANKS PROJECT

ADDENDUM NO. 1

FROM: Stokes & Associates, Inc.
DATE: June 6, 2017
TO: All Plan holders

This Addendum forms a part of the Contract Documents and modifies the original Plans and Technical Specifications sealed May 12, 2017. All bids submitted for this project shall reflect the content of this Addendum.

Bidders shall acknowledge receipt of this Addendum in the space below and include this page with the bid proposal. Failure to do so may subject bidder to disqualification.

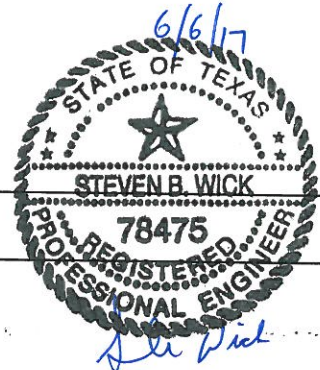
Contractor shall call Engineer's office and confirm receipt of this Addendum (903-657-7558) with Ms. Janey Mills or respond by email to janey@stokesandassociates.com.

Steve Wick, P.E.

I acknowledge receipt of Addendum No. 1, consisting of 11 total pages.

Signed: _____

Company: _____



Item 1: Electrical - Revisions

- Generator shall be a diesel unit rated at 300KW / 375KVA. The automatic transfer switch (ATS) shall be in a NEMA – 1 enclosure.
- Unit Heaters (UH1 & UH2) in the Main Pump Building shall be 10 KW, 480V, 3φ, electric, wash-down, unit heater, IDEECO TRIAD Catalog #234-U11N-0100U3 with universal mounting bracket and thermostat Catalog #1004328 or equivalent by Q-MARK.
- See attached letter from Electrical Expertise, Inc. dated June 4, 2017.

Item 2: Electrical Plans - Revision

- The electrical plans have been revised to include a service rack for the meter, C.T. enclosure and a main fused switch. Revised Plan Sheets E-1, E-3 and E-9 are attached.

Item 3: Welded Steel Ground Storage Tank - Revision

- Technical Specification Section 33 16 13 Welded Steel Water Storage Tank – 1.06 B. Quality Assurance – Field inspection by means of radiographs shall be performed at the Contractor's Expense.
- Technical Specification Section 33 16 13 Welded Steel Water Storage Tank – 3.03 A. Testing – Radiographic weld inspection is required and shall be performed by an independent lab, hired by the Contractor – all coordination and costs shall be Contractor's responsibility.
- Steel Tank Roof – Flat bar cone roof shall be have 100% seal welded flat bar rafters as well as 100% seal welded top plates and underside plate laps.

A self-supporting umbrella roof is an acceptable alternative to the flat bar cone roof. All plates are to be 100% seal welded as well as any plate laps. An enclosed perimeter handrail with toe plate will be required. All design / fabrication shall meet applicable AWWA and TCEQ requirements as well as all testing. Any piping modifications for the inlet pipe / aerator shall the responsibility of the Contractor and tank fabricator.

- Shop Painting – Tank contractor may shop prime the exterior of the shell and roof plates to minimize field blasting.
- Tank Foundation – The tank foundation shall be consist of 12" crushed rock over the select fill; disregard the HMAAC and oil sand from the Plans. Tank contractor shall coat the underside of the floor plates with a coal tar epoxy prior to installation.

Item 4: HVAC Equipment for Pump Station Control Room - Clarification

- HVAC system shall be wall mounted per Plan Sheet S-201.
- HVAC unit shall be 18,500 BTU cooling with 16,000 BTU heating capacity, 240V, 1 ϕ ; Frigidaire or equal.

Item 5: Overhead Doors - Clarification

- The specifications for the overhead doors for the Pump Building shall be as follows:

Overhead Door framing shall be designed to resist the applicable wind loads.

Doors shall be Model 625 Stormtite Insulated Aluminum Rolling Door as manufactured by the Overhead Door Corporation or approved equal.

Insulated curtain door shall be made from interlocking flat slats, of 22 gauge aluminum with 24 gauge back cover. Slats to be a minimum of 2 5/8" in height and a minimum of 3/4" in depth. Both ends of alternate slats shall be fitted with end locks. Bottom of curtain to be reinforced with a T-shaped aluminum extrusion. The bottom edge of door shall have a vinyl weatherseal of tubular shape.

Guides shall be made from roll-formed channels and angles of galvanized steel. Channel depth shall have a depth of not less than 2 1/2". Guides shall weatherstripped.

Brackets shall be made of 8-gauge galvanized steel plate and designed to support the entire barrel and curtain weight. Brackets shall be attached to continuous wall angle with 5/16" bolts. Unit shall include phosphate treated galvanized steel hood.

Curtain shall wrap on a barrel made of sufficient diameter and thickness so deflection of barrel with weight of curtain does not exceed .03" per ft. of door with.

Springs shall be oil-tempered, helical-wound torsion springs stress-relieved after coiling. Springs shall be attached to a steel torsion bar of sufficient size to carry load of curtain and torque of springs. Springs to transmit torque to barrel through steel discs. Sealed ball bearings shall be located at rotating support points of barrel. Spring adjustments shall be readily available. Operation shall be by chain hoist with 35 lbs. maximum pull. Doors shall be equipped for padlocking from coil side.

Item 6: Hollow Metal Doors - Clarification

- The specifications for the hollow metal doors shall be as follows:

All hollow metal doors shall be 1 3/4" thick doors as manufactured by the Ceco Corp or equal.

Doors shall be constructed of two (2) 16-gauge steel seamless face sheets with mechanically interlocked edges. Provide vertical stiffeners alternating on opposite face sheets at 6" o.c. Top and bottom channels shall be 16-gauge steel. Interior of doors shall be completely filled with rigid urethane core foamed in place and chemically bonded to all interior surfaces of the door.

All doors shall be mortised, drilled, tapped, and reinforced for all hardware. Glazing beads where required shall be 18-gauge steel. Active door or pairs of doors shall have an astragal. Doors shall be of type and sizes as shown on the door schedule and shall have vision panels and louvers as noted. Doors shall be painted as per the Technical Specifications.

Door frames shall be of 16-gauge steel with all angles, returns, and miters neatly welded and ground smooth. Frames shall be as manufactured by the Ceco Corp., Chicago, IL, Allied Steel, Miami, FL, or equal. Reinforce for all hardware. Provide three (3) 16-gauge adjustable jamb anchors per jamb and sill clips on each jamb. Steel spreaders shall be provided at the bottoms of frames and shall be removed after frames are properly set and securely anchored. Provide rubber door silencers on strike jamb.

Door hardware shall be as follows and as noted on the Plans:

- Finish shall be brushed stainless steel.
- All doors shall be hung with three (3) butts to each leaf, unless otherwise specified and shall be of proper size to swing doors clear of trim without binding. Butts for all doors shall be regular weight, no lighter than .134 gauge. Butts for doors where door closers are specified shall be equipped with two (2) non-detachable ball bearings. Out-swinging doors to have butts equipped with removable pins.
- Door Closers: Surface mounted, with full rack and pinion operation with both rack and pinion of heat treated steel and with cast iron hydraulic case. Closers shall be controlled by independent valves, valves being completely concealed against unauthorized adjustment. Where possible,

closers on out-swing exterior doors shall be top jamb mounted. Door closures will be required on all doors of the Main Pump Station (7 total).

- Locks: All locksets shall be keyed alike.

Item 7: Structural Items - Clarification

- Roof Decking – all three (3) buildings shall have a 24 gauge R-Panel roof deck.
- Structural Steel – all structural steel for the built-up roof trusses shall be cleaned and painted per the Technical Specifications. The structural steel for the bridge crane shall also be cleaned and painted per the Technical Specifications. All roof and eave purlins shall have factory applied red oxide primer – no additional painting is required.

Item 8: Masonry Block - Clarification

- Masonry block on all three (3) building shall not require exterior sealant and shall not require any interior painting.
- Masonry block on interior walls (smooth face) shall match color of exterior split face block.

Item 9: Miscellaneous - Revisions

- Plan Sheet C-501 Detail 9 – Note #2 shall be revised; delete the sentence “For sawcut joints, discontinue reinforcing and place No. 3 dowels at a maximum of 60 feet. This should have referred to an Expansion Joint – see Detail 4 for Expansion Joint details. Sawcut Joints shall be per Detail 2.
- Plan Sheet M-107 has been revised – Section View #2 has been revised to clarify the absence of a lower pipe header. See attached Plan Sheet M-107.

Item 10: Bid Opening – Location Map

- As per the Contract Documents, the Bids will be opened and publicly read at 11:00 a.m., Thursday, June 8, 2017, in the Conference Room of the Riverbend Water Resources District office at 228 Texas Ave, Suite A, New Boston, Texas. A location map showing the bid opening location is attached.



**ELECTRICAL
EXPERTISE Inc.**

TBPE Firm #F-2490

ST 87 Lake Cherokee
Henderson, Texas 75652
903-297-7811

June 04, 2017

Stokes & Associates
P. O. Box 1114
Henderson, TX 75653

RE: Riverbend Water Resources District Pump Station
Electrical Addendum

Dear Mr. Steve Wick, PE:

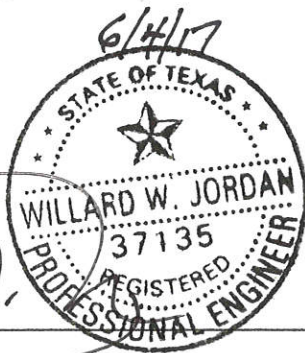
Please issue an addendum to the above referenced contract documents to address the following items:

1. The standby diesel generator shall be rated 300KW/375KVA and is incorrectly shown on the Online Diagram on sheet E-3.
2. See attached "Unit Heater Schedule" for the heaters in the pump room.

Should you have any questions, please call.

Sincerely;

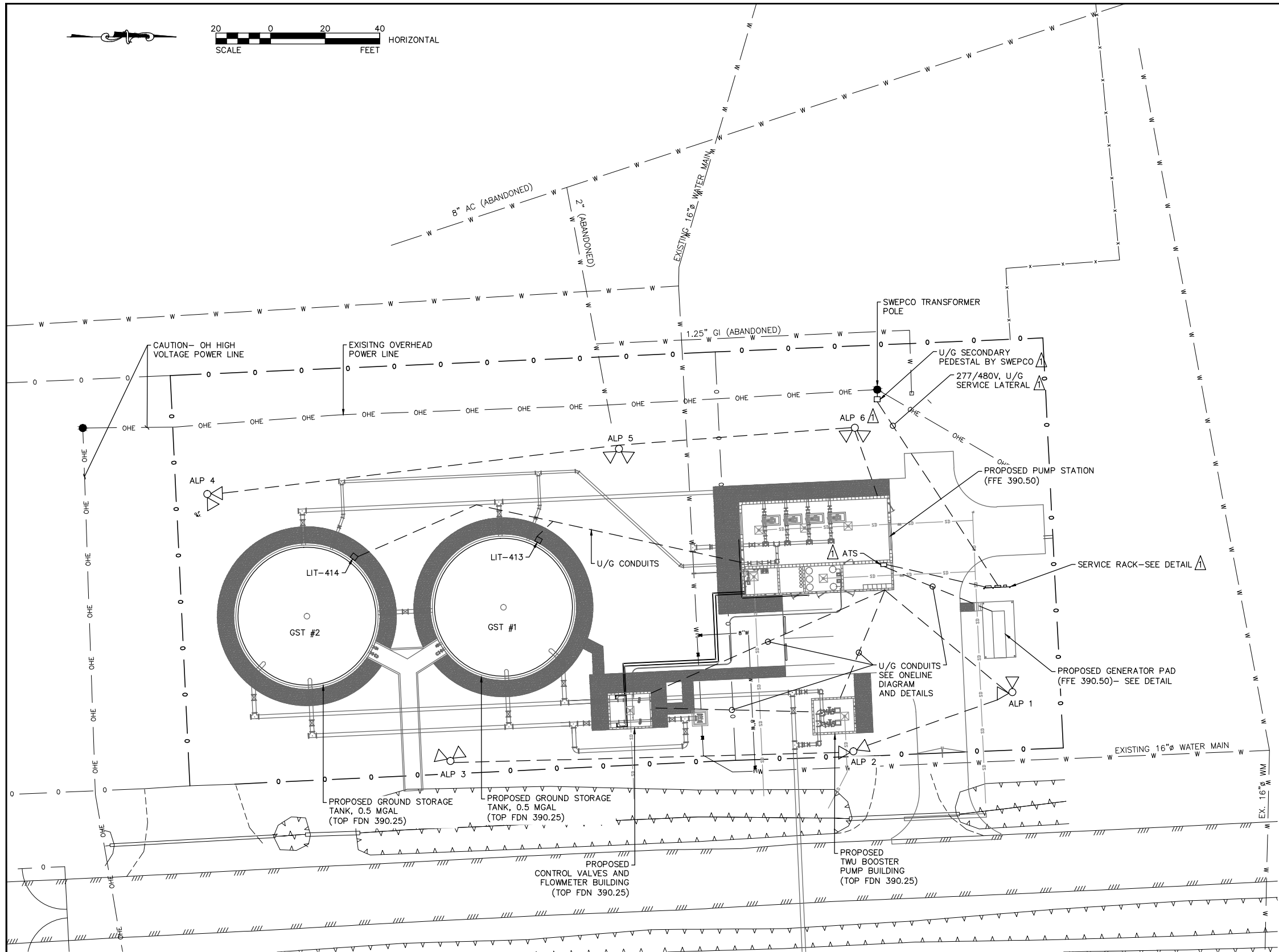
Willard Jordan, PE



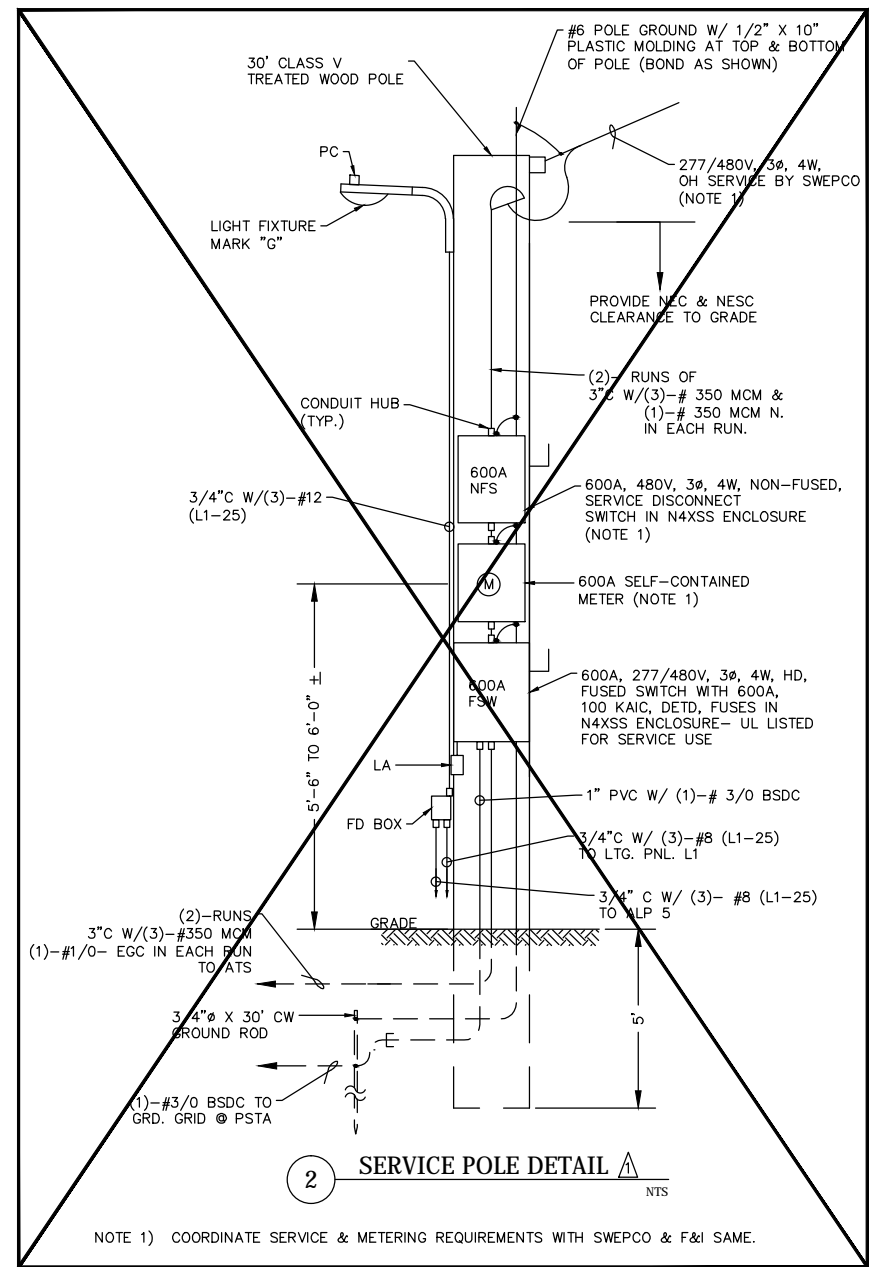
Attachment:

UNIT HEATER SCHEDULE

UH1/UH2 10 KW, 480V, 3 ϕ , ELECTRIC, WASH-DOWN, UNIT HEATER,
 IDEECO TRIAD CATA.#234-U11N-0100U3 WITH UNIVERSAL
 MOUNTING BRACKET, & THERMOSTAT CATA.#1004328,
 OR EQUIVALENT BY Q-MARK.



1 ELECTRICAL SITE PLAN



DWG. NO.	REFERENCE DRAWINGS	MK.	REVISION	BY	CHK.	APP.	DATE
2	Y:\Woodville\635-1314\Production Drawings\1314_Civil_Site.dwg	1	ADDENDUM NO.1 REVISIONS	NTF	SBW	WWJ	5/30/17
1	Y:\Woodville\635-1314\Production Drawings\1314_Base.dwg	0	ISSUED FOR TCEQ REVIEW	NTF	SBW	WWJ	2/17/17

SEAL:

ELECTRICAL EXPERTISE, INC.
ST 87 LAKE CHEROKEE
HENDERSON, TX 75652
903-297-7811
TBPE FIRM #F-2490

STOKES & ASSOCIATES, INC.
CONSULTANT ENGINEERS
P.O. BOX 1114 HENDERSON, TEXAS 75653
TEXAS FIRM REGISTRATION NO. F-967
Tel (903) 657-7558
Fax (903) 657-7864

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RIVERBEND WATER RESOURCES DISTRICT
BOWIE COUNTY, TEXAS

RWRD
PUMP STATION & GROUND STORAGE TANKS
ELECTRICAL SITE PLAN

VERIFY SCALE
0 1
BAR IS ONE INCH ON ORIGINAL DRAWING.
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE.

DWN BY: VC DATE: 10-02-2014
CHK BY: WWJ DATE: 10-02-2014

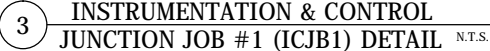
File Name & Layout Name:
1427_Site_ElecDEC.dwg/E-1

PROJECT NO.:
500-1427

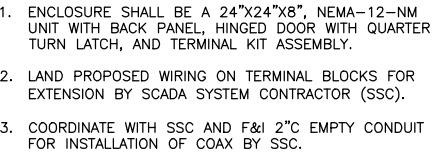
SHEET IDENTIFICATION:
E-1




1. COORDINATE SERVICE & METERING WITH AEP-SWEPCO & OWNER AND F&I SAME.



1. ENCLOSURE SHALL INCLUDE BACK PANEL, 50 POINT
TERMINAL BLOCKS & QUICK DISCONNECT DOOR LATCHES.
2. LOR-411/412-HD, OIL TIGHT, 3-POSITION, MAINTAINED
CONTACT, SELECTOR SWITCH, WITH ESCUTCHEON PLATE.
3. LOCATE IN CONTROL VALVE-METER BLDG.

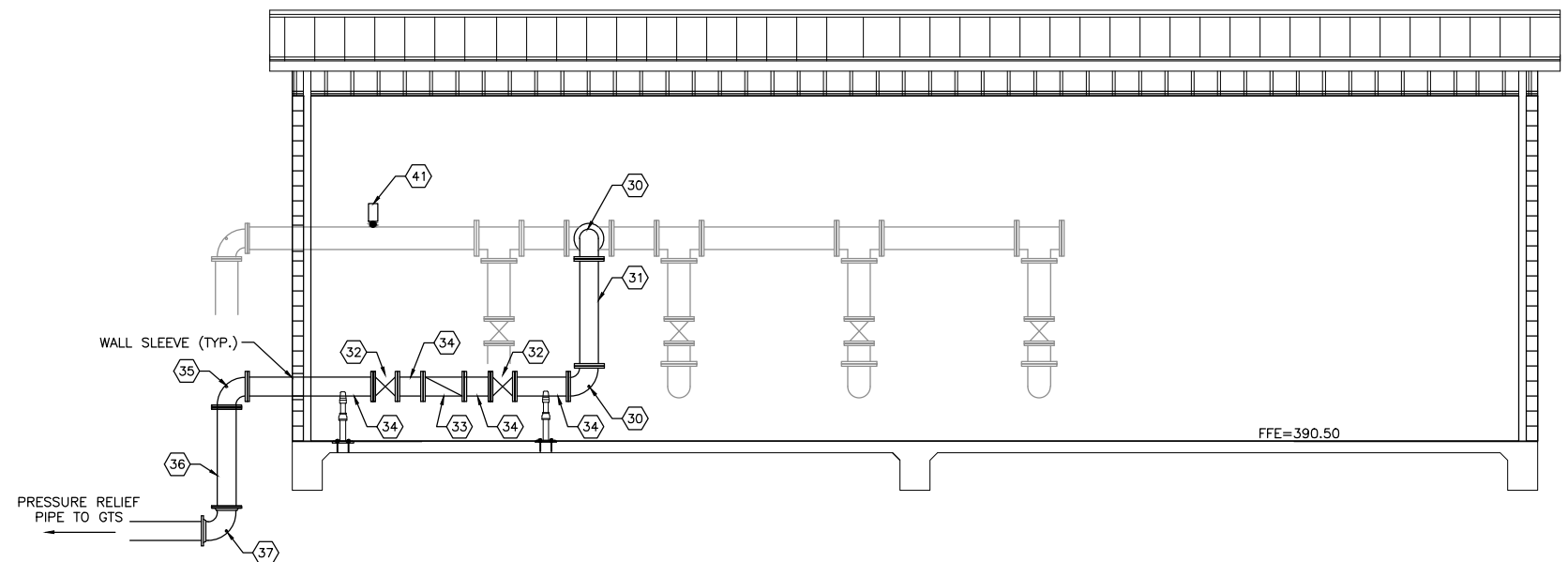
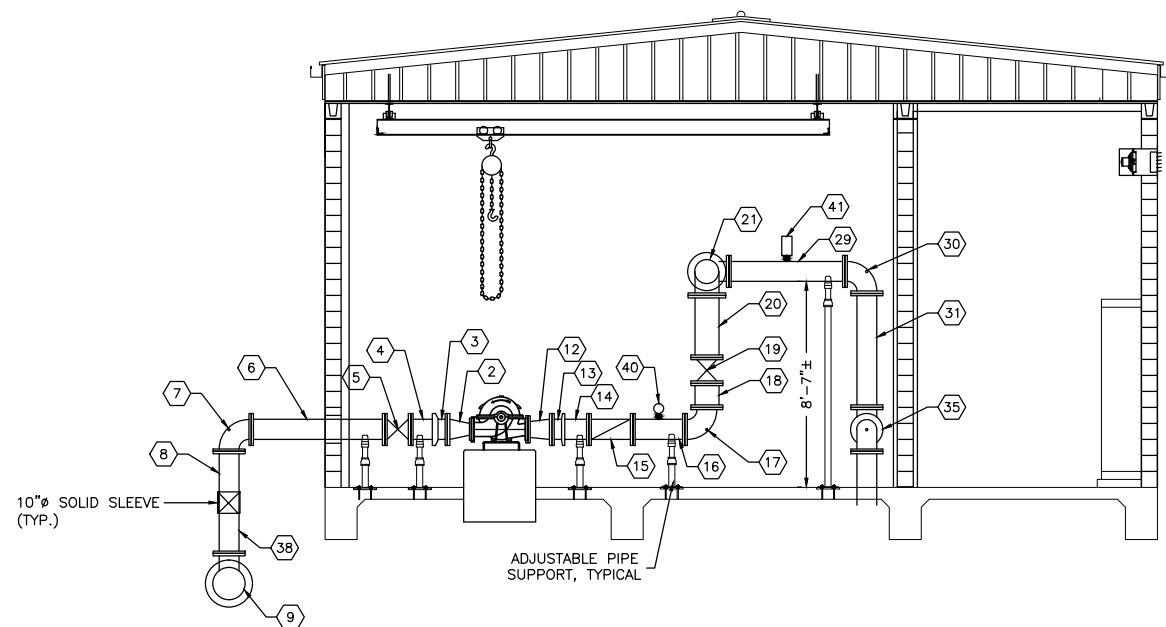


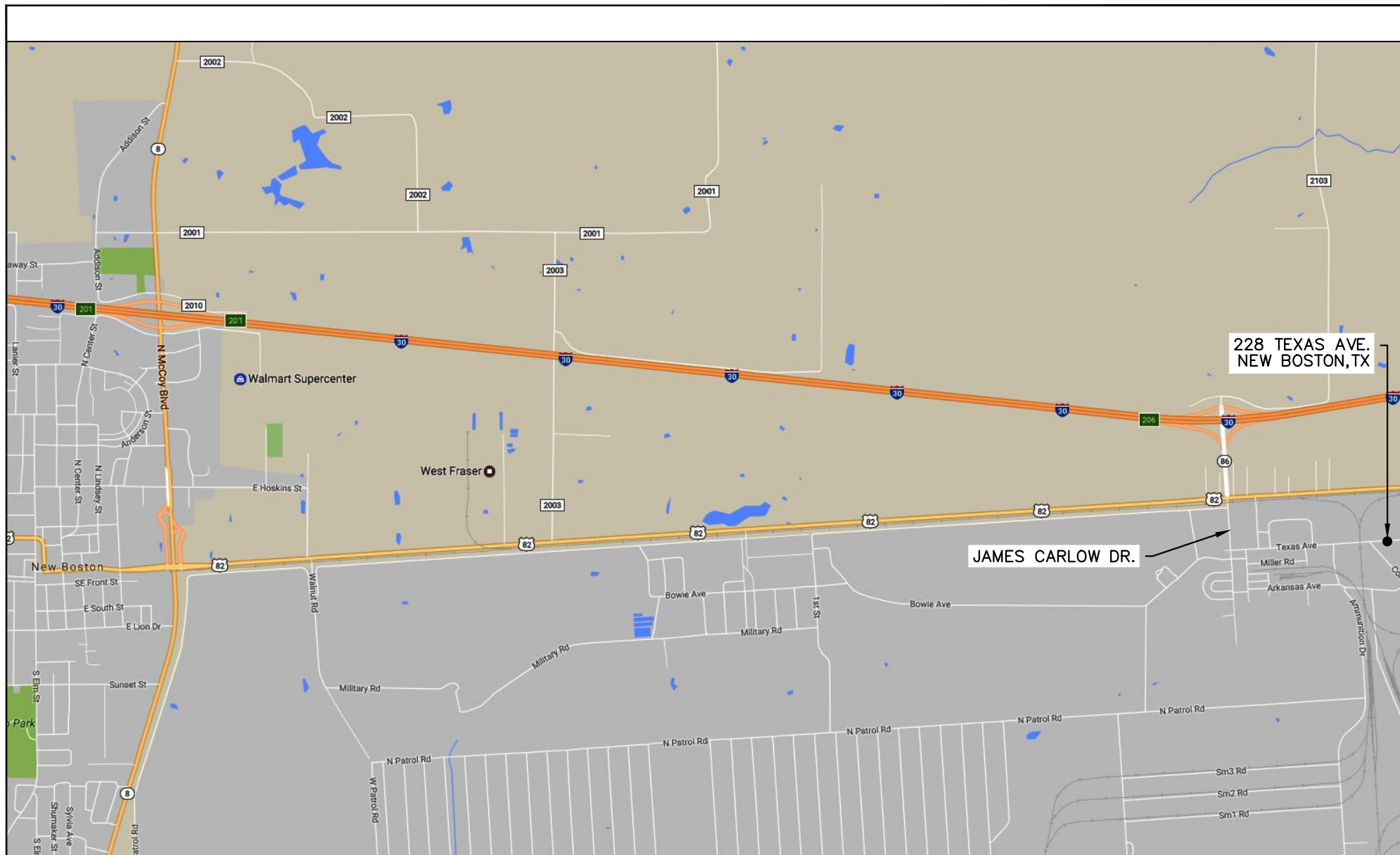
4 REMOTE TERMINAL UNIT (RTU-400) AND
REMOTE TERMINAL JUNCTION BOX N.T.S.
(RTU-JB-400) DETAIL

RIVERBEND WATER RESOURCES DISTRICT		BOWIE COUNTY, TEXAS	
<p>VERIFY SCALE</p> <p>0 1</p> <p>BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE.</p>		<p>PROJECT NO.: 500-1427</p> <p>SHEET IDENTIFICATION: E-3</p>	
<p style="text-align: center;">  RWRD PUMP STATION & GROUND STORAGE TANKS ONE-LINE DIAGRAM </p>		<p>File Name & Layout Name: 1427_PID DEC.dwg/E-3</p>	
		<p>DWN by: <u>VC</u> DATE: 04-27-2016</p> <p>CHK by: <u>WWJ</u> DATE: 04-27-2016</p>	

- Notes:

1. All piping shown is length as required unless noted otherwise.
2. Piping lengths and dimensions shown are based on general equipment dimensions and installation requirements (pump, flow meter, etc.). Should Contractor-supplied equipment require modification to piping lengths and/or dimensions, Contractor shall provide said modifications at no additional cost to the Owner.
3. Piping lengths and dimensions shown do not account for flange gasket thickness. Contractor shall adjust lengths and/or dimensions as necessary to accommodate flange gasket thickness.
4. Item numbering shown is sequential for all views (plan, elevation, section or detail) shown in the Plans for the pump station.
5. Quantities shown in Piping and Valve Schedule represent total quantity for each item in the pump station – Contractor is responsible for verifying quantities and supplying the number needed for project completion.
6. Install packing gland drain line at each pump, in accordance with manufacturer's instructions, and route to drain away from pump.
7. The Contractor shall verify pump and valve dimensions with suppliers prior to manufacture of pipe. Contractor shall be responsible for adjusting pipe fabrication dimensions as necessary to reflect final equipment dimensions.
8. The pump and motor configurations shown are based on one pump manufacturer. If selected equipment differs from what is shown, the equipment shall be installed as required to maintain the clearances and spaces as shown. Any modifications to these configurations must be approved by the Engineer and shall be furnished at no additional cost to the Owner.
9. The Contractor shall furnish all flange bolts, nuts and gaskets. All flange bolts and nuts shall be zinc coated.
10. Flange pattern and pressure rating shall match valves and pump where connected. Contractor shall have responsibility for verifying and matching all flange patterns and ratings.

[illegible]



STOKES & ASSOCIATES, INC.

CONSULTANT ENGINEERS

P.O. BOX 1114 HENDERSON, TEXAS 75653

TEXAS FIRM REGISTRATION NO. F-967

Tel (903) 657-7558

Fax (903) 657-7864

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RIVERBEND WATER RESOURCES DISTRICT

BOWIE COUNTY, TEXAS

RIVERBEND WATER RESOURCES DISTRICT BID OPENING : LOCATION MAP

DWN BY: *NTF* DATE: *06/02/2017*

File Name & Layout Name:
Location Map.dwg/Location Map