

ADDENDUM NO 1

TO

PROJECT MANUAL

2011 Water System Expansion
Highway 190 Ground Storage Tank
Contract No. 12-1475-12

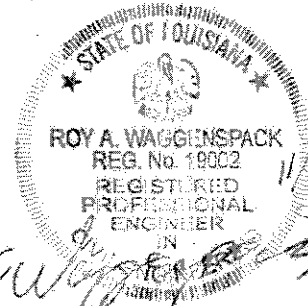
For

Ward Two Water District

November 7, 2012

by

Owen and White, Inc.
Consulting Engineers
8755 Goodwood Boulevard
Baton Rouge, Louisiana 70806
(225) 926-5125



General

This Addendum shall be considered as part of the original Contract Documents. The following items are issued to add, to modify, and to clarify the Contract Documents. These items shall have full force and affect as the Contract Documents, and the associated cost involved shall be included in the Bid Prices.

Acknowledge receipt of the Addendum by inserting its number and date on page 00 41 43-1 of the Bid Form. Failure to do so may subject the Bidder to disqualification.

SPECIFICATIONS

Section 33 12 00 – Water Distribution Equipment, Paragraph 2.1 G.
Pilot Operated Control Valves, subparagraph 4. Active Check Valve Assembly

- b. In the last sentence of this paragraph, “capable of accepting a V-port Throttling Plug” is stated. This throttling plug is important to the operation of this valve. Valves without throttling devices will not be accepted.
- c. In the first sentence of this paragraph it states that the control system shall have a large filler. The basis of design for this large filter is a body made of epoxy coated steel, brass cover, approximately 3" in diameter by 6" high with a 60 mesh reusable polypropylene filter element and 3/8" NPT ports with all NSF61 approved materials.

Section 33 16 13 – Above Ground Water Utility Storage Tank, Paragraph 2.10 G
Submersible Mixer. Add the Solar Bee GS-12 48 volt mixer as an approved equal. The GS-12 control/converter box shall meet the requirements of subparagraph 9.

DRAWINGS

Sheet 4 – Add a note, 6. All piping below the tank slab must be pressure tested prior to the tank slab being constructed.

Sheet 5 – The discharge header has been revised from below ground (buried pipe) to above ground. Replace Sheet 5 with the attached revised Sheet 5.

CLARIFICATIONS / QUESTIONS

The question was asked, Section 2.04 (A) (4) describes the type of conduit to be used for the main service conduit to the power company transformer. What size conduit will be required? Where is the location of the power company pole?

- The power company transformer shown on Sheet E4 of the Drawings has already been set by the utility company and the conduit from the main power pole (which is on Burgess Ave) to the transformer has already been run. The contractor will run conduit from the transformer to the equipment rack.

The question was asked, Where will the SCADA Antenna Support Structure, by others, be located? Where is the SCADA panel, by others, to be located?

- The SCADA antenna pole will be placed within 10 feet of the electrical rack.

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- Adequate room shall be made on the front of the electrical rack for the 30" x 30" SCADA panel.

The question was asked, When is the expected Notice to Proceed date?

- We would expect for construction to begin in January 2013.

The question was asked, Will the contractor be required to provide utilities for start-up?

- Temporary utilities for construction shall be provided by the contractor. When permanent utilities are installed the contractor shall coordinate with the Owner and they can be put in the Owner's name. This should happen right before start-up.

The question was asked, Will crushed concrete be allowed for the 15' work road that runs around the tank?

- Yes, as long as it is properly graded (#610) and it doesn't contain any metal.

The Owner will obtain the necessary utility permits from DOTD to cross Highway 1026 and Highway 190 with the proposed waterlines. DOTD requires a minimum depth of 5 feet below the pavement and 3 feet below the ditches on all state roadways for utility crossings.

A question was asked, In section 4.2.3 in the geotechnical report suggests 610 limestone material for the base under the storage tank. What is the base material and embankment material to be placed underneath the tank?

- The design of the tank foundation is the responsibility of the tank contractor. The engineer has provided a geotechnical investigation report for guidance to all parties as a recommendation of an acceptable foundation for the tank. See Section 00 70 00 "General Conditions" Paragraph 4.02 B for limitations of the Contractor's reliance on technical data authorized.

The Owner will run the gas service line for the generator to the meter. The meter will be set within 10 feet of the generator slab.

The question was asked, When calculating the pressures at the center and edge of the tank, they are greater than 1,600 psf, as stated in the geotechnical report. Will the larger values cause an issue concerning settlement?

- No.

The question was asked, If only 12 inches of aggregate base are required below the tank slab, and the sump extends 4 feet below the tank slab, then the sump will extend below the aggregate base. Is this correct?

- The 12 inches of aggregate base and the geotextile fabric should be continuous below the entire bottom of the tank slab and sump floor and walls.

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The following notes are from the pre-bid meeting. A copy of the sign-in sheet is attached.

Highway 190 Tank Pre-Bid Meeting Notes
November 1, 2012.

Who will be responsible for monitoring settlement after the tank is constructed?

- Engineer/Owner

What is the anticipated Notice to Proceed date?

- January, 2013. The possibility of starting in early February was also discussed in order to avoid the typically wet and rainy season.

Who are the approved tank manufacturers/contractors?

- They are in the spec: The Crom Corp., DYK Inc., Natgun Corp., Preload Inc., and Precon Corp.

The specification calls for protection of newly poured concrete so the surface temperature does not go below 50 degrees F for 7 days after pouring, the tank walls are very large and would be difficult to cover, can the tank be built when the temperatures are cold and how will they cover the tank walls?

- Consult the tank contractor

Will the piping under the tank be required to be encased in concrete?

- Consult the tank contractor. Typically in past tank projects, they have been.

Who will be responsible for testing?

- Contractor is responsible for Quality Control. Owner will be responsible for Quality Assurance

Tank work road elevation is not level for 15 feet, if tank contractor needs it to be level for the entire 15 feet can it be lowered after the tank is constructed?

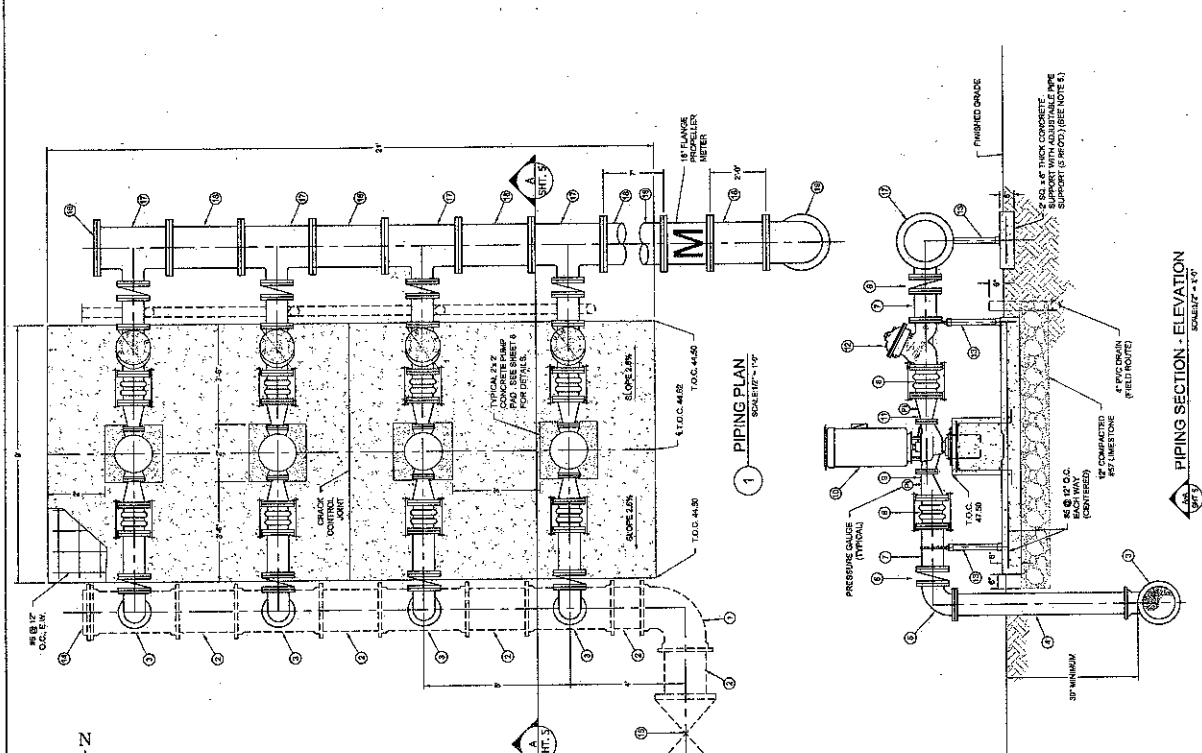
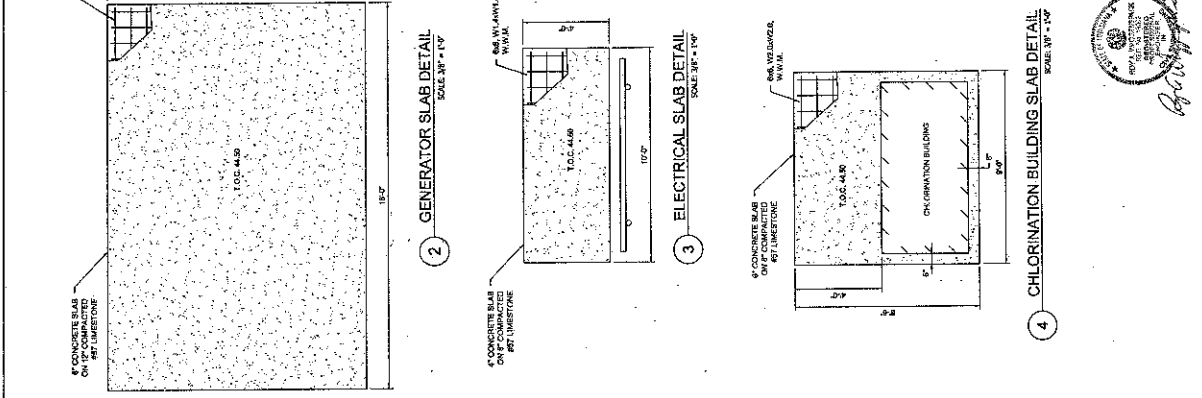
- Yes.

The portion of the access road from the end of propane alley to the proposed driveway to the north of the tank will be constructed by the owner.

END OF ADDENDUM NO. 1

REVISIONS	DATE	BY	DESCRIPTION
1	10/23/12	RAM	CHANGES TO CHLORINATION AND GENERATOR SLABS
2	10/23/12	RAM	REVISED DIMENSIONS FOR FLOOR
3			
4			

PROJECT: 2011 WATER SYSTEM EXPANSION
 CONTRACT: 12-1475-12
 SHEET: AS-0200
 SCALE: AS SHOWN
 PROJECT: 1475122 TASK 03
 LIVINGSTON PARISH, LOUISIANA
 WARD TWO WATER DISTRICT
Owen
 ENGINEERING & ARCHITECTURE
 1000 W. MONROE ST. SUITE 100
 MONROE, LA 70001
 (504) 281-1111



PIPE INDEX	DESCRIPTION
1	18" N.D.I. 80' BRNG
2	18" P.F. 8" O.D. SPOOL
3	18" P.F. 8" N.D. TEE
4	18" P.F. 8" 90' ELB
5	18" P.F. 8" 45' ELB
6	18" P.F. 8" BUTTERFLY VALVE
7	18" P.F. 8" 45' ELB SPOOL
8	6" DOUBLE JUNCTION BRASS WIRE WOUND REDUCING ELB
9	6" 45' ELB CONCENTRIC REDUCER
10	6" 45' ELB CONCENTRIC REDUCER
11	6" 45' ELB CONCENTRIC REDUCER
12	6" 45' ELB CONCENTRIC REDUCER
13	6" 45' ELB CONCENTRIC REDUCER
14	18" NIPPLER
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100	18" NIPPLER

NOTES:

- ALL PIPE AND FITTINGS TO BE RESTRAINED.
- MINIMUM 1" GROUT REQUIRED BETWEEN PUMP BASE PLATE AND CONCRETE PUMP PAD.
- ALL BURIED DUCTILE IRON PIPE TO BE JOINTLY WRAPPED.
- FLANGED PIPING SHALL BE GIVEN SHOP COAT OF PRIMER AND FINISH COAT OF PAINT. ALL JOINTS SHALL BE PAINTED. DO NOT PAINT RUBBER SPOON TYPE CONNECTION JOINTS.
- USE ADJUSTABLE PIPE SUPPORTS REQUIRED ALONG 10' DISCHARGE. MANHOLE REQUIRED PROJECT TOTAL = 13.

11/12
 R. C. WHITE, P.E.
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF LOUISIANA
 NO. 10000
 EXPIRES 12/31/13

SCALE 1/4" = 1'-0"