



Consulting Engineers

WALTER SCHOEEL ENGINEERING COMPANY, INC.
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MEMORANDUM

TO: Bidders

FROM: Andrew Phillips

DATE: November 16, 2018

SUBJECT: Addendum No. 1

The following revisions are part of Addendum No. 1 and should be incorporated into the construction documents. Please verify that you have received Addendum No. 1 and taken the proposed modifications into account.

The following revisions are part of Addendum No. 1:

Plan Revisions – Industrial Water Main

1. Cover Sheet- Revised to reflect revisions to Sheer Index
2. Key Plan C-100- Revised the overall layout plan and grid layout.
3. Topographic Survey C-102–C108- Revised to reflect New IW2 alignment.
4. Layout Plan C-201-C-208- Revised to reflect New IW2 alignment
5. Layout Plan C-208- The chain link fence has to be remove/replace, because of new well house location.
6. Water Line Profile Sheets C-300-C305- Revised to reflect Alternate No.1
7. PID-101- Added self-cleaning filter at CUP 3. Added replacement backflow preventer at CUP 3. Added actuated valves at CUP 1, 3 and 5 for automatic change over from industrial water to domestic water.
8. PID-201- Added well house control system architecture.
9. PP-101- Added audible alarm in steam plant for the well house alarms.
10. PP-111- Small adjustment to routing of 6" industrial water line.
11. PP-112- Added actuated valves at CUP 1 for automatic change over from industrial water to domestic water. Added 4" crossover pipe between existing 6" non-potable header and existing 4" non-potable header.
12. PP-121- Added self-cleaning filter at CUP 3. Added actuated valves at CUP 3 for automatic change over from industrial water to domestic water.
13. PP-131 – Added actuated valves at CUP 5 for automatic change over from industrial water to domestic water.
14. E-121 – added self-cleaning filter at CUP 3.

Plan Revisions – Well House

1. A100- Added electrical panel, SCADA panel by Allen Bradley, pump control panel. 'Tank By Others' note was removed.
2. A200- Added electrical panel and removed 'Tank By Others' note.
3. M100- Replaced water treatment panel with electrical panel. Added SCADA panel by Allen Bradely and pump control panel. Key note #15 has been adjusted.
4. M300- Revised sequence of operation and added 'steam plant interface' note.
5. E0.2- Revised riser diagram to show MCC-2 name and moved CER room to mezzanine. Indicated conduits at pump house to run overhead.
6. E0.3- Added notes to Equipment schedule and added WL-1 to schedule and circuits for outdoor lighting and WL-1 to RP-A schedule.
7. E0.4- Added outdoor cable part number.
8. E1.0- Revised conduit routing to pump building and located PP-A.
9. E2.0- Revised mechanical equipment locations to coordinate with mechanical plan and locations for control power and IT. Added note to confirm control panel locations, circuit numbers to exterior lighting and added WL-1.

Project Manual Revisions

1. Added Unit Price Section
2. Removed Division 22 Specification
3. Revised 23 29 23 Variable-Frequency Motor Controllers
4. Revised 33 11 00 Water Distributions Specification, per BWWB comments
5. Revised PELA Driller Id Specifications

Pre-Bid Meeting Minutes

Pre-Bid Sign in Sheet

Latest RFI Log



THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

Industrial and Well Water Distribution System

UAB Project No: 170030

Pre-Bid Conference Agenda (Meeting Notes)

November 08, 2018

- I. Introduction of Owner and Design Team**
 - a. UAB (Owner)
 - b. Lead Engineer – Schoel Engineering
 - c. Geologist - PELA
 - d. Mechanical/Plumbing Engineer – IC Thomasson
 - e. Architect – Design Initiative
 - f. Traffic Engineer – Skipper Consulting

- II. Bid Date, Time and Location**
 - a. Original Hard copy to be submitted to UAB Project Manager (James Gilliam) by 1:59 PM CDT on December 6th, 2018.
 - b. Bids will be opened and read aloud at 2:00 PM CDT on December 6, 2018.
 - c. Bid Tab will be made available to Bidders upon written request, email is sufficient.

- III. Eligibility**
 - a. Bidders to be prequalified per UAB requirements listed in the Project Manual

- IV. Bid Preparation, Guaranty and Delivery of Bids**
 - a. Use Proposal Form provided in the Project Manual
 - b. No alterations shall be made to the bid proposal unless modified by Addendum
 - i. Alternate No. 1 – Service to Central Utility Plant No. 5
 - c. Bid Guarantee in the form of Bid Bond or Cashier's Check
 - i. 5% of bid value, not to exceed \$10,000
 - ii. Bidder's to use Bid Bond form provided in the Project Manual
 - iii. Cashier's Check, if used, must be drawn from an Alabama bank
 - d. Bids to be delivered to the following address:
UAB Facilities Planning, Design and Construction
FAB 245
801 6th Avenue South
Birmingham, AL 35233
Attn: James Gilliam – Project Manager

or The UAB Facilities Conference Room

- e. Bids must be received before 2:00 PM CDT on Thursday December 6, 2018. It is the Bidder's responsibility to ensure that the Bid is received.
- f. Return Proposal Form, ABC Form C-3A, Unit Price Form and Bid Bond with Bid submittal.

V. Performance and Payment Bonds

- a. As per the Project Manual

VI. Sales Tax Savings

- a. As per Modified Instructions to Bidders
- b. Sales tax should be excluded from the bid amount.
- c. Bidders must submit ABC Form C-3A showing estimated sales tax along with the Proposal Form
- d. The successful bidder is responsible for submitting the Application for Sales Tax Exemption to the State.
- e. BCIA- form submittal due 5 days prior to bid opening

VII. Request for Interpretation (RFI)

- a. All RFI's should be submitted to the Lead Engineer in writing (email is sufficient)
- b. Last day to submit an RFI is Monday ~~November 19, 2018~~ December 1, 2018.

VIII. Addenda

- a. Minutes of the Pre-Bid and any pertinent discussed items shall be issued as an Addendum following the Pre-Bid conference.
- b. Any further addenda necessary after Pre-Bid will be issued to all via email.
- c. Final Addendum to be issued by 5:00 PM CDT on Monday November 26, 2018.

IX. Project Timeline

- a. Construction Duration for the base bid project is Two Hundred and Sixty Five (265) calendar days.
- b. Alternate No. 1 , if selected would add an additional Eighty Five (85) calendar days.
- c. Total Project Duration with Base Bid and Alternate No. 1 is Three Hundred and Fifty Days (350) calendar days.
- d. Notice to Proceed: March 2019
- e. Substantial Completion (with Alternate No. 1): February 2020

X. Liquidated Damages

- a. \$1,000/day per the Project Manual

XI. Notice to Proceed/Mobilization

- a. Successful Bidder should be capable of obtaining insurance certificates and executing contract documents within five (5) calendar days after the contract has been presented to the contractor for signature. Contractor to mobilize immediately following issuance of the Notice to Proceed.

XII. Material Testing

- a. Construction Material Testing (CMT) to be provided by the Owner
 - i. Backfill, concrete, etc...

XIII. Well Installation Monitoring and Reporting

- a. The Owner will provide the project geologist to monitor and report the items related to the well installation as outlined in the Driller Bid specification.
- b. UAB has approved the following drillers to be used for the well installation:

Ed Short
Vice President
National Water Services
6873 Bucksland Drive
Ooltewah, TN 37363
423-309-6612
edwardgshort@aol.com

Ken Gobell
Commercial Drilling, Inc.
14377 Quinn Road
Athens, AL 35611
256-679-8181
kgobell@commdrill.com

Randy Phillips
Vice President
AE Drilling Services
30 Grant Park Place
Piedmont, SC 29673
864-288-1986
rphillips@aedrilling.com

XIV. Project Coordination/Communication

- a. All correspondence between the Owner/Contractor/Engineer (Schoel) or their sub-consultants shall come through the Engineer from the Contractor then to the Owner.

XV. Safety

- a. The Contractor is responsible for all construction site safety. The Owner nor the design team will be responsible for the Contractor's safety precautions, means, methods, techniques, sequences or procedures. UAB will have safety personnel periodically visiting the site to review the overall safety protocols that are in place.
- b. 6' tall chain link safety fencing will be required as a minimum along all limits of construction. Safety fencing shall be a part of the Contractor's means and methods for ensuring construction site safety.

XVI. Construction Parking

- a. On-site parking will not be available for this project.
- b. Contractor to coordinate with UAB for off-site parking locations

XVII. Meetings

- a. Safety Meetings
 - i. Weekly employee safety meetings shall be required with minutes of each meeting kept current and turned submitted with each monthly pay request. Contractor is solely responsible for coordination, content and scheduling of safety meetings.
- b. Owner/Architect/Contractor (OAC) Meetings
 - i. Bi-Weekly OAC meetings will be required every other week with the minutes of each meeting kept current.
- c. Other Project Coordination Meetings, as required

XVIII. Project Overview

- a. Project Location (Vicinity Map on Cover Sheet)
- b. Major Project Components
 - i. Project Layout
 - ii. Alternate No. 1 – Industrial Water Line 2 (IW2)
 - iii. Public BWWB vs Private UAB installation
 - iv. Pipe requirements (Class 350 DIP with green exterior coating)
 - v. Paving Repair
 - vi. Booster Pump at Central Utility Plant No. 3
 - vii. Re-plumb steam and central utility plant water service connections
 - viii. Well installation
 - 1. Removal of abandoned underground fuel storage tanks (UST)
 - 2. 8" Well
 - 3. 4" Monitoring Well
 - 4. Drilling/testing requirements
 - 5. Well Pumps

- ix. Well House Building
 - 1. 10,000 gallon storage tank
 - 2. Booster pumps
- c. An ADEM NPDES Storm Water Permit is not required for this project; BMP's must be installed and maintained according to the approved plans
- d. Traffic Control Plans
- e. As-built requirements (provided by a AL licensed land surveyor)

Miscellaneous Questions/ Comments:

- 1. UAB to supply approval control system vendor list.
- 2. Potential alignment shift for Industrial Water Line 2 that will be addressed by Addendum No. 1
- 3. All pipes and fittings must have green exterior coating
- 4. PELA states that the well installation would general take between 10 - 15 days.
- 5. Traffic Control plan will be devolved by owner's traffic consultant and Contractor. The Contractor will not bear the expense of preparing the traffic control plan, but would be responsible for attaining the traffic control permit through the City.

Owner: University of Alabama at Birmingham
 Project Name: UAB Industrial & Well Water Distribution System
 Project No.: 170020

RFI/Questions Log - 11/16/18

RFI No.	RFI Date	RFI Type	RFI Description	Answer / Comments	Answer Date	Answered
RFI 1-1	Russo 11/9/2018	Spec	My notes from the pre-bid indicate that the owner will provide as-built drawings for the underground fuel oil tanks that are to be removed. Could we have these drawings and any information/specs regarding the lawful remediation of these tanks and adjacent areas as contaminated soil is usually present in the adjacent areas when tanks are removed.	The project manual includes UAB Limited Phase II Environmental Site Assessment report of the property. We also included the Underground Storage Closure Requirements on sheet C-2009.	Schoel - 11/16/18	1
RFI 1-2	Russo 11/9/2018	Sheet	The above specs seem to describe a push-on "slip joint pipe". Today it was mentioned that the project was to be "restrained joint" pipe. There are two ways to accomplish this; the first being "true" restrained joint pipe and the second is by using slip joint pipe with "restrained joint" gaskets. The second is the cheapest of the two and achieves the same results. Fittings would be restrained by "Mega-Lug" or equal glands which "restrains the individual fittings". Please clarify the correct piping requirements or point me to the specs found elsewhere that overrides the above spec copied from manual.	This project will require slip joint pipe with restrained joint gaskets. We will need restrained joint fittings on all bends (horizontal and vertical).	Schoel - 11/16/18	1
RFI 1-3	Russo 11/9/2018	Sheet	Could the contractors be provided more information concerning the sub-surface connections at the various cups. We need to know at least roughly how deep we are going through the walls. These connections may require some kind of shoring.	Below are the approximate elevations required to enter the various CUPs. CUP 1 - 603.00 (center of pipe), CUP 3 - 601.00 (center of pipe), CUP 5 - 655.00 (center of pipe), Steam Plant 603.50 (Center of pipe, above grade)	Schoel - 11/16/18	1
RFI 1-4	Russo 11/9/2018	Sheet	The below "snapshot" is from the detail drawing depicting bends, this is applicable to HORIZONTAL bends, but there will be dozens and dozens of VERTICAL bends and in some cases the below detail will not work due to shallow depths. Since we are saying the pipe will be restrained, it follows reason that bends should also be restrained and this can be done by using TRUE restrained joint pipes and TRUE restrained joint fittings, or the cheaper scenario is slip joint pipe with restrained joint gaskets, and in this case fittings would be standard MJ fittings and the glands would be a Mega-Lug gland. We have experienced jobs where the "restraint" requires no thrust blocking and others that require thrust blocking as well as stainless steel rods between the two fittings. Please clarify your intent for these vertical fittings.	The goal is to install concrete thrust blocks where possible. In the event that there is limited space the Contractor should plan to use Megulug fittings with stainless steel rods.	Schoel - 11/16/18	1
RFI 1-5	Russo 11/9/2018	Sheet	Please provide "cut sheet" for the BWWB Mag Meter Vault, even though the owner is paying for this vault, the contractor is required to excavate and shore the pit. In some cases BWWB then installs this meter and in some cases they only provide the Meter Vault for their contractors to install. Please clarify what the contractor's responsibility is for not only this but also the "taps". BWWB normally taps their own lines and does not allow others to perform this, the contractor would dig pit and then make an "appointment" and after a few days or so, they would show up and make the tap, the contractor would then be responsible for closing the pit and making surface repairs. Please confirm this as well as qualify where all materials would be picked up from as BWWB does not DELIVER to project so we have to figure freight for all materials provided by BWWB	The BWWB will perform the following: install tapping sleeve and valve for the meter or sleeve into existing pipeline for meter; install the meter setting in the precast concrete vault; tie the meter setting piping to the tapping valve. The Contractor will be responsible for excavating and piling the precast concrete meter vault; installing gate backflow preventer (vault and piping); backfilling the meter vault. The meter vault dimensions are 11'x7'x6' deep outside of box dimensions. The BWWB is working on a cut sheet for this box.	Schoel - 11/16/18	1

Owner: University of Alabama at Birmingham
 Project Name: UAB Industrial & Well Water Distribution System
 Project No.: 170030

UAB Industrial & Well Water Distribution System						
RFI No.	Date	Type	Request	Response	Date	Count
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