

ADDENDUM No. 4

Date January 29, 2013

City of Austin

Project Name Walnut Creek WWTP WRI Tank Assessment & Repairs

C.I.P. No. 5267.027

This Addendum forms a part of Contract and clarifies, corrects or modifies original Bid Documents, dated January 7, 2013. Acknowledge receipt of this addendum in space provided on bid form. Failure to do so may subject bidder to disqualification.

A. Project Manual Revisions:

1. **Section 00020:** Delete Section 00020 in its entirety and replace with attached Section 00020.
2. **Section 00300L:** Delete Section 00300L in its entirety and replace with attached Section 00300L.
3. **Section SS 11312:**
 - a. Paragraph 1.06.C.3.c: delete minimum wire-to-water efficiency percent of "79" and replace with "77".
 - b. Paragraph 1.06.C.4: delete "Maximum Flow" and replace with "Minimum Flow".
 - c. Paragraph 1.06.C.4.b: delete Total Head of "240" feet and replace with "260" feet.
 - d. Paragraph 1.06.C.4.c: delete minimum wire-to-water efficiency percent of "77" and replace with "73".
 - e. Paragraph 2.01.D: delete "conforming to AWWA C207" at the end of the first sentence.
4. **Section SS 15107;** Paragraph 2.01.I: Insert "The flow meter shall be furnished and installed with the valve manufacturer's standard 4-20mAC loop powered flow transmitter." at the end of the paragraph.
5. **Section SS 17200:**
 - a. Under paragraph 1.04.A, add paragraph "11" as follows:
"11. Two (2) spare process variable transmitter indicator controllers."
 - b. Under paragraph 2.04, add paragraph "N" as follows:
"N. Process Variable Transmitter Indicator Controller:
 1. Type: Microprocessor based digital transmitter indicating controller capable of receiving an input analog signal, actuating alarm contacts based upon field configurable setpoints, displaying the input signal, and re-transmitting the input signal via an isolated analog output signal transmitter.

2. Display: 6 digit, 0.6 inch high Light Emitting Diode (LED), red in color.
3. Input Signal:
 - a. 4-20mA at 24VDC
 - b. Signal proportional to the process variable measured
 - c. Input Impedance: 100 ohms maximum
 - d. Accuracy: Plus or minus 0.03 percent of calibrated span plus or minus one count.
4. Units: Calibrated in engineering units (applicable to the specific system and measured variable) in order to indicate and control the process variable in the same units (i.e., GPM/MGD for Flow, Inches/Feet for Level, PSI for Pressure, °F/°C for Temperature, etc.)
5. Conversion Rate: 5 conversions per second
6. Programming Method: Field programmable using buttons on the face of the controller
7. Discrete Outputs: Four field programmable Form C dry output relay contacts each rated for 3 ampere at 120 Vac. Relays shall be capable of being assigned to any combination of high/low set points. Each set point shall have user selectable deadband of 0 to 100 percent of the input signal range. Relays shall be capable of being field programmed for latching, non-latching, and fail-safe operation. The Contractor shall field program the relays for fail-safe operation.
8. Output Signal:
 - a. 4-20 mADC at 24VDC
 - b. Signal proportional to the input signal
 - c. Output signal shall be isolated from the input signal.
 - d. Accuracy: Plus or minus 0.1 percent of calibrated span plus or minus 0.004 maDC.
9. Enclosure: 1/8 DIN high impact plastic enclosure with Nema 12 rated front panel at minimum
10. Operating Temperature: -40 to +65 degrees Celsius
11. Power: Single phase, 120 Vac input, 60 Hz
12. Manufacturer: Precision Digital Model PD6000, or approved equal."

B. Drawing Revisions:

1. **Drawing E-4:** Delete reference to Duct Bank Section 17/E-8 located near the west side of the High Service Pump Station.
2. **Drawing E-8:** Delete Duct Bank Section Detail 6 in its entirety and replace with "Not Used".
3. **Drawing E-13:** Remove sheet in its entirety and replace it with the attached sheet E-13.

This addendum consists of 9 pages and 1 plan sheet.

Approved by OWNER

Jesse W. Penn

Approved by ENGINEER/ARCHITECT

END



-30-13

Bidding Requirements, Contract Forms and Conditions of the Contract
INVITATION FOR BIDS
Section 00020

Following is a summary of information for this Project. Bidder is cautioned to refer to other sections of the Project Manual, Drawings and Addenda (Bid Documents) for further details.

The City of Austin, hereafter called OWNER, is requesting sealed written Bids for furnishing all labor, materials, equipment, supervision, and incidentals, and for performing all Work required for the following Project:

Walnut Creek WWTP WRI Tank Assessment & Repairs

Located at: the Walnut Creek Wastewater Treatment Plant, 7113 Martin Luther King Blvd. Austin, TX 78724

CIP ID# 5267.027 IFB# 6100 CLMC 411

The Work consists of construction and installation of a 1,200,000 gallon welded steel ground storage tank and all appurtenant facilities, equipment, supplied and services, including, but not limited to furnishing and installing of pumping unit, piping, electrical, instrumentation, control, and security systems and features, as well as site construction work, consisting of site grading and performance and installation of waterline piping, access driveway, bulk fill station, as well as testing and commissioning, and including, as applicable, in-house engineering design services (or subcontracted engineering services in conformance with the requirements of 2254.004 of the Texas Government Code). Bid Documents may be obtained at One Texas Center, 505 Barton Springs Road, Suite 760, Austin, Texas 78704 upon a deposit of \$150.00 for each set of Bid Documents. Deposit check shall be made payable to City of Austin. Deposit will be refunded upon return of Bid Documents in good condition within two weeks of the time set for opening of Bids.

Sealed Bids will be received at the Contract Management Department, 105 W. Riverside Dr., Suite 210, Austin, Texas 78704 and then publicly opened and read aloud in the **SUITE 210 Conference Room**.

ALL BIDS ARE DUE PRIOR TO (Austin time) 9:30 am, February 11, 2013

ALL COMPLIANCE PLANS ARE DUE PRIOR TO (Austin time) 1:30 pm, February 11, 2013

BIDS WILL BE OPENED AT (Austin time) 1:30 pm, February 11, 2013

ALL BIDS AND COMPLIANCE PLANS NOT RECEIVED PRIOR TO THE DATE AND TIME SET FORTH ABOVE WILL NOT BE ACCEPTED FOR CONSIDERATION. The time stamp clock in the **SUITE 210** Reception Area is the time of record and is verified daily with the local time service (512-476-7744).

All CONTRACTORS must be registered to do business with OWNER prior to submission of a Bid. All Subcontractors must be registered with the OWNER prior to execution of a contract. Prime Contractors are responsible for ensuring that their Subcontractors are registered as vendors with the City of Austin. Registration can be done through the OWNER's on-line Vendor Registration system. Log onto <https://www.ci.austin.tx.us/vss/Advantage> and follow the directions.

All City procurements are subject to the City's Minority-Owned and Women-Owned Business Enterprise Procurement Program found at Chapter 2-9-A of the City Code, as amended. The Program provides Minority-Owned and Women-Owned Business Enterprises (MBEs/WBEs) or Disadvantaged Business Enterprises (DBEs) full opportunity to participate in all City contracts. Goals for MBE/WBE or DBE participation are stated for each solicitation. Information on achieving the goals or documenting good faith efforts to achieve the goals are contained in the MBE/WBE Procurement Program Package or DBE Procurement Program Package attached to the solicitation. When goals are established, Bidders are required to complete and return the MBE/WBE or DBE Compliance Plan with their Bid. If a Compliance Plan is not submitted prior to the date and time

set forth in the solicitation, the Bid will not be accepted for consideration. (See Section 00820 for MBE/WBE requirements on "no goal" solicitations.)

All Bids shall be accompanied by an acceptable Bid guaranty in an amount of not less than five percent (5%) of the total Bid, as specified in Section 00100, Instructions To Bidders.

Performance and payment bonds when required shall be executed on forms furnished by OWNER. Each bond shall be issued in an amount of one hundred percent (100%) of the Contract Amount by a solvent corporate surety company authorized to do business in the State of Texas, and shall meet any other requirements established by law or by OWNER pursuant to applicable law.

Minimum insurance requirements are specified in Section 00810, Supplemental General Conditions.

Minimum wage rates have been established and are specified in Section 00830, Wage Rates and Payroll Reporting.

Contract Time is of the essence and all Work shall be substantially completed within 320 Calendar Days after date specified in the Notice to Proceed, in accordance with the Bid Form, Section 00300. Final completion shall be achieved within 45 Calendar Days after substantial completion. Liquidated damages are \$1,350 per Calendar Day for failure to substantially complete the work and \$850 per Calendar Day for failure to achieve final completion within 45 Calendar Days after substantial completion, in accordance with the Bid Form, Section 00300.

OWNER reserves the right to reject any or all Bids and to waive any minor informality in any Bid or solicitation procedure (a minor informality is one that does not affect the competitiveness of the Bid).

A mandatory Pre-Bid Conference and site visit will be held on January 17, 2013 at 10:00 am
(date) (time)

(Austin time) at Walnut Creek WWTP Civic Meeting Room, 7113 East Martin Luther King Blvd (FM 969), Austin, TX 78724

(location)

Austin, Texas. Attendance is mandatory unless otherwise stated. Bidders must attend any mandatory Pre-Bid Conference and are encouraged to attend any non-mandatory Pre-Bid Conference to ensure their understanding of Owner's bidding and contracting requirements, particularly MBE/WBE Procurement Program requirements. If the Pre-Bid Conference is mandatory the Bidder must arrive and sign-in within fifteen (15) minutes of the scheduled start time of the meeting, otherwise the Bidder will not be allowed to submit a Bid for the project.

The persons listed below may be contacted for information regarding the Invitation for Bid. If the Bidder contacts any other City employee, including Council Members and members of Boards and Commissions, the Bidder may be found in violation of Ordinance No. 20111110-052, dated November 10, 2011, regarding Anti-Lobbying and Procurement. The text of that Ordinance may be viewed at <http://www.cityofaustin.org/edims/document.cfm?id=161145>.

AUTHORIZED CONTACT PERSONS

PROJECT MANAGER: Yuejiao Liu telephone (512) 974-7216 email Yuejiao.Liu@austintexas.gov

CONTRACT COMPLIANCE REP.: Mary Lou Ochoa telephone (512) 974-7215 email MaryLou.Ochoa@austintexas.gov

END

Bidding Requirements, Contract Forms and Conditions of the Contract
LUMP SUM BID FORM
 Section 00300L

City Manager
 Austin, Texas

The undersigned, in compliance with the Invitation for Bids for construction of the following Project:

Walnut Creek WWTP WRI Tank Assessment & Repairs

(CIP ID# 5267.027) (IFB# 6100 CLMC 411) for the City of Austin, Texas, having examined the Project Manual, Drawings and Addenda, the site of the proposed Work and being familiar with all of the conditions surrounding construction of the proposed Project, having conducted all inquiries, tests and investigations deemed necessary and proper; hereby proposes to furnish all labor, permits, material, machinery, tools, supplies and equipment, and incidentals, and to perform all Work required for construction of the Project in accordance with the Project Manual, Drawings and Addenda within the time indicated for the lump sum price of:

BASE BID..... = \$ _____
 (Base Bid excludes Excavation Safety Systems, Drilled Shaft Unit Prices and Allowances.)

EXCAVATION SAFETY SYSTEMS UNIT PRICES: The undersigned Bidder agrees that the Total Bid for the Work includes the following amounts in the Bid for excavation safety systems as specified in Item Number 509S of the Specifications and in case of an authorized adjustment to the scope of Work, the following unit price(s) will be used in adjusting the Contract Amount:

| <u>Item</u> | <u>Quantity</u> | <u>Unit</u> | <u>Item Description</u> | <u>Unit Price</u> | <u>Amount</u> |
|-------------|-----------------|-------------|---|-------------------|---------------|
| 509S-1 | 1,690 | LF | Trench Excavation Safety Protective Systems, (all depths) | \$ _____ | \$ _____ |

DRILLED SHAFT UNIT PRICES: The undersigned Bidder agrees that the Total Bid for the Work includes the following amounts in the Bid for drilled shafts as specified in Item Number 420S of the Specifications and in case of an authorized adjustment to the scope of Work, the following unit price(s) will be used in adjusting the Contract Amount:

| <u>Item</u> | <u>Quantity</u> | <u>Unit</u> | <u>Item Description</u> | <u>Unit Price</u> | <u>Amount</u> |
|-------------|-----------------|-------------|-------------------------|-------------------|---------------|
| 420S-A1 | 275 | LF | Drilled Shaft, 24" Dia. | \$ _____ | \$ _____ |
| 420S-A2 | 3,620 | LF | Drilled Shaft, 36" Dia. | \$ _____ | \$ _____ |

ALLOWANCES

| | | |
|--------------|---|---------------|
| Allowance #1 | Security system, local programming, modifications, and site installations | \$ 100,000.00 |
|--------------|---|---------------|

TOTAL BID..... = \$ _____
 (Total Bid includes Base Bid, Excavation Safety Systems, Drilled Shaft Unit Prices and Allowances.)

Notes:

1. For information pertaining to Rolling Owner Controlled Insurance Program (ROCIP), see Sections 00810 and 00820.
2. Allowances described in Section 01020.

BID GUARANTY: A Bid guaranty must be enclosed with this Bid , as required in Section 00020 or Section 00020S, in the amount of not less than five percent (5%) of the total Bid. Following the Bid opening, submitted Bids may not be withdrawn for a period of (90) Calendar Days. Award of Contract will occur within this period, unless mutually agreed between the parties. The Bid guaranty may become the property of the OWNER, or the OWNER may pursue any other action allowed by law, if:

- Bidder withdraws a submitted Bid within the period stated above;
- Bidder fails to submit the required post Bid information within the period specified in Section 00020S or 00100, or any mutually agreed extension of that period; or
- Bidder fails to execute the Contract and furnish the prescribed documentation (bonds, insurance, etc.) needed to complete execution of the Contract within five (5) Calendar Days after notice of award, or any mutually agreed extension of that period.

The Bid includes all Automobile Liability and Builder's Risk Insurance premiums required to meet the insurance limits in the Supplemental General Conditions and includes all premiums for a Performance Bond and a Payment Bond in the sum of one hundred percent of the Contract Amount. The Bid excludes all costs for the insurance coverages and limits, up to the limits set forth in the Supplemental General Conditions, duplicated by those in the ROCIP, including the costs for all proposed Subcontractors for such coverages and limits as described in the Supplemental General Conditions, and as calculated in accordance with the Insurance Cost Form, Section 00425.

The Bid also includes the cost to provide and maintain through completion of Work all necessary safety rails, barricades, platforms, fences, covers, and signs necessary to adequately protect and safeguard all vehicular and pedestrian traffic within proximity of the Work. The safety information identified in the Project Safety Manual, and in the Supplemental General Conditions, outlines the minimum safety requirements for the Project. CONTRACTOR shall not limit the amount of effort directed toward its safety program based on the requirements identified in the Project Safety Manual. This program is in addition to CONTRACTOR's existing safety program, not in lieu of that program.

GEOTECHNICAL BASELINE ACKNOWLEDGEMENT: The undersigned bidder certifies that he/she has read and understands the Geotechnical Baseline Report (GBR), the Geotechnical Data Report, the Reflection Survey Report, and all other geological and geotechnical information and data as provided in the Contract Documents, including all Addenda. **The Bidder acknowledges and agrees that the GBR represents the contractual statement of the subsurface conditions reasonably anticipated to be encountered during construction. The GBR will be used to evaluate whether subsurface conditions differ materially from those indicated in the GBR.**

TIME OF COMPLETION: The undersigned Bidder agrees to commence work on the date specified in the written "Notice to Proceed" to be issued by the OWNER and to **substantially** complete construction of the improvements, as required by the Project Manual, Drawings and Addenda for the Work within three hundred twenty (320) Calendar Days. **The Bidder further agrees to reach Final Completion within forty five (45) Calendar Days after Substantial Completion**

as required by the Project Manual, Drawings and Addenda for the work. The Bidder further agrees that should the Bidder fail to **substantially complete the Work or to finally** complete the Work within the number of days indicated in the Bid or as subsequently adjusted, Bidder shall pay the liquidated damages for each consecutive day thereafter as provided below; unless the OWNER elects to pursue any other action allowed by law.

WAIVER OF ATTORNEY FEES: In submitting its bid, in consideration for the waiver of its right to attorney's fees by the OWNER, the Bidder knowingly and intentionally agrees to and shall waive the right to attorney's fees under Section 271.153 of the Texas Local Government Code in any administrative proceeding, alternative dispute resolution proceeding, or litigation arising out of or connected to any Contract awarded pursuant to this solicitation process.

LIQUIDATED DAMAGES: The Bidder understands and agrees that the timely completion of the described Work is of the essence. The Bidder and OWNER further agree that the OWNER's actual damages for delay caused by failure to timely complete the Project are difficult, if not impossible to measure. However, with respect to the additional administrative and consultant costs to be incurred by OWNER, the reasonable estimate of such damages has been calculated and agreed to by OWNER and Bidder. Therefore, the Bidder and the OWNER agree that for each and every **Calendar Day** the Work or any portion thereof, remains incomplete after the **Substantial Completion** date as established by the above paragraph, "Time of Completion", payment will be due to the Owner in the amount of one thousand three hundred and fifty dollars (\$1,350.00) per **Calendar Day** as liquidated damages, not as a penalty, but for delay damages to the OWNER. **If both Substantial and Final Completion dates have been specified, the Bidder and the OWNER further agree that for each and every Calendar Day the Work or any portion thereof, remains incomplete after the Final Completion date as established by the above paragraph , "Time of Completion", payment will be due to the OWNER in the amount of eight hundred and fifty dollars (\$850.00) per Calendar Day as liquidated damages, not as a penalty, but for delay damages to the OWNER.** Such amount shall be deducted by the OWNER from any Contract payment due. In the event of a default or breach by the CONTRACTOR and demand is made upon the surety to complete the project, in accordance with the Contract Documents, the surety shall be liable for liquidated damages pursuant to the Contract Documents in the same manner as the CONTRACTOR would have been.

OWNER reserves the right to reject any or all Bids and to waive any minor informality in any Bid or solicitation procedure (a minor informality is one that does not affect the competitiveness of the Bidders).

The undersigned acknowledges receipt of the following addenda:

- Addendum No. 1 dated _____ Received _____
- Addendum No. 2 dated _____ Received _____
- Addendum No. 3 dated _____ Received _____
- Addendum No. 4 dated _____ Received _____
- Addendum No. 5 dated _____ Received _____
- Addendum No. 6 dated _____ Received _____
- Addendum No. 7 dated _____ Received _____
- Addendum No. 8 dated _____ Received _____

Secretary, *if Bidder is a Corporation

Bidder

(Seal)

Authorized Signature

Title

Date

Address

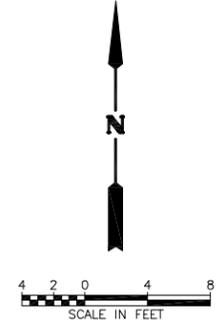
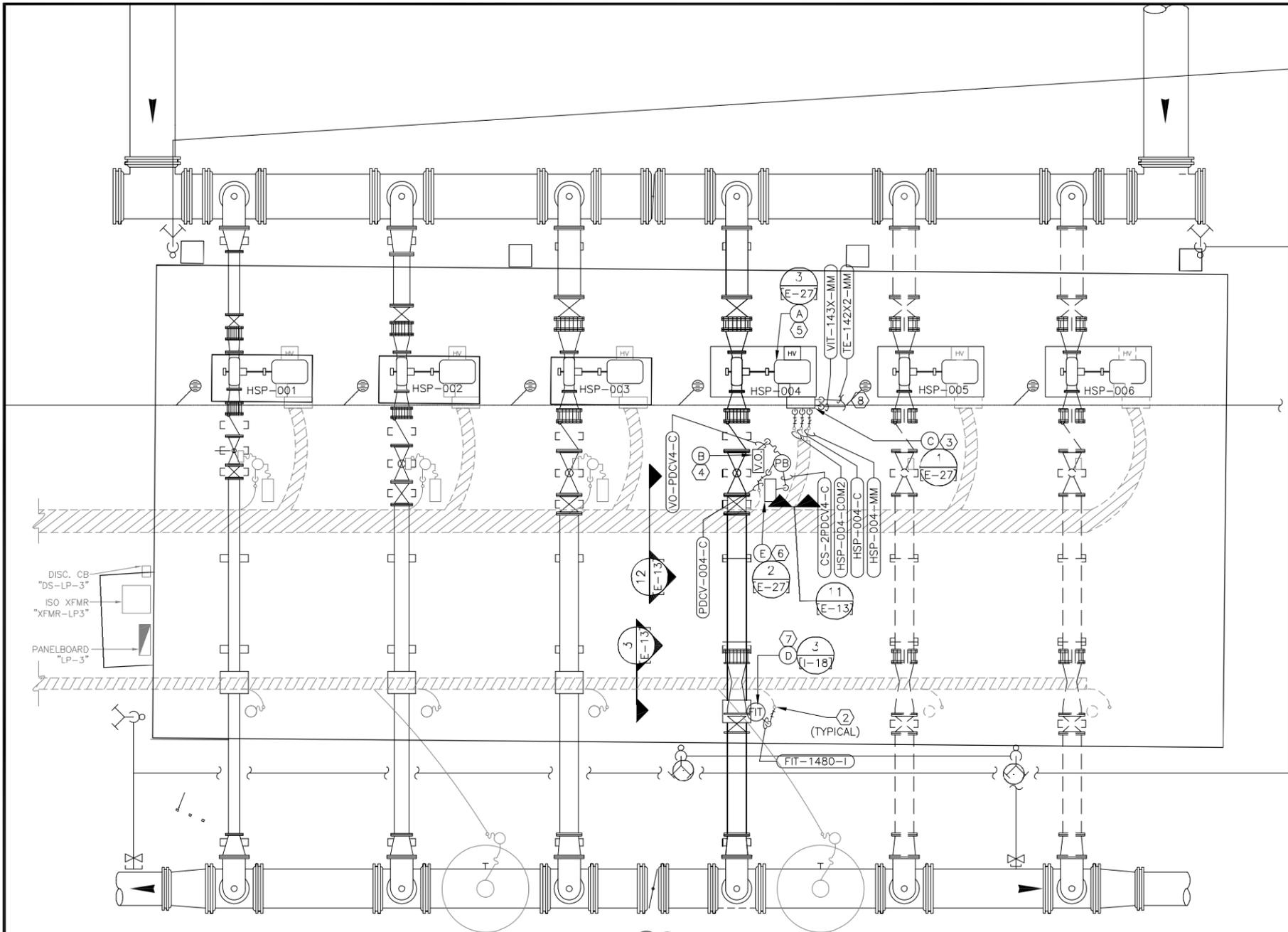
Telephone Number / FAX Number

Email Address for Person Signing Bid

Email Address for Bidder's Primary Contact Person

* Copy of Corporate Resolution and minutes with certificate of officer of Bidder as to authority of signatory to bind Bidder is to be signed and dated no earlier than one week before Bid date, and attached to this document.

End

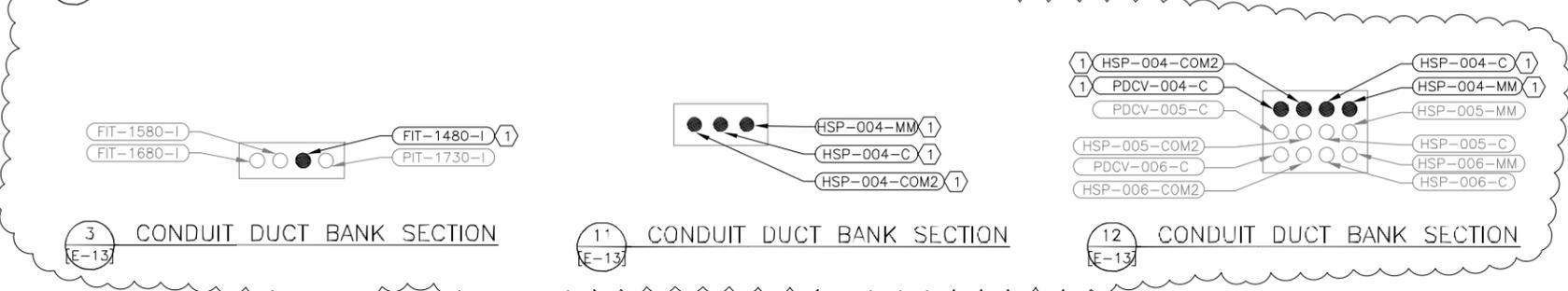


KEY NOTES:

- 1 FURNISH AND INSTALL PROPOSED WIRING IN EXISTING RACEWAY SYSTEM.
- 2 EXISTING CONDUIT STUB-UP LOCATION SHOWN IS APPROXIMATE. FIELD VERIFY LOCATION OF EXISTING CONDUIT STUB-UP. DISCONNECT AND REMOVE CAP FROM EXISTING CONDUIT STUB-UP. EXTEND PROPOSED CONDUIT TO CONNECT TO EXISTING CONDUIT STUB-UP AND MAKE ALL FINAL CONNECTIONS. ROUTE PROPOSED WIRING IN PROPOSED CONDUIT; PROPOSED WIRING CONTINUES AND EXTENDS THROUGH EXISTING CONDUIT TO CONNECT TO EQUIPMENT.
- 3 REFER TO DETAIL 1 ON DRAWING NO. [E-27] FOR ADDITIONAL CONDUIT/WIRE ROUTED IN VICINITY OF CONTROL PANEL. FURNISH AND INSTALL RACK TO SUPPORT FIELD CONTROL STATION PER THE DETAIL 1 ON DRAWING [E-27]. REFER TO DRAWING NO. [I-16] FOR FIELD CONTROL STATION FRONT ELEVATION.
- 4 REFER TO DETAIL 2 ON DRAWING NO. [E-27] FOR ADDITIONAL CONDUIT/WIRE ROUTED IN VICINITY OF PUMP DISCHARGE CONTROL VALVE.
- 5 REFER TO DETAIL 3 ON DRAWING NO. [E-27] FOR ADDITIONAL CONDUIT/WIRE ROUTED IN VICINITY OF PUMPING UNIT.
- 6 FURNISH AND INSTALL RACK TO SUPPORT FIELD CONTROL STATION AND RELATED PULLBOX PER DETAIL 2 ON DRAWING [E-27]. REFER TO DRAWING NO. [I-16] FOR FIELD CONTROL STATION FRONT ELEVATION.
- 7 FURNISH AND INSTALL FLOW TRANSMITTER PER THE DETAILS ON DRAWING NO. [I-18]. EXTEND TUBING TO CONNECT TO VENTURI FLOW ELEMENT AND MAKE ALL FINAL CONNECTIONS. ALSO REFER TO THE DETAILS ON THE MECHANICAL DRAWINGS.
- 8 PROPOSED CONDUIT/WIRE CONTINUE AND ROUTE TO/FROM PUMPING UNIT. THE ENTIRE ROUTE IS NOT SHOWN HERE FOR CLARITY. REFER TO DETAIL 3 ON DRAWING NO. [E-27].

| EQUIPMENT IDENTIFICATION TABLE | |
|--------------------------------|--|
| MARK | DESCRIPTION |
| (A) | PROPOSED HIGH SERVICE PUMP "WRS-HSP-004" |
| (B) | PROPOSED "WRS-PDCV-004" VALVE OPERATOR |
| (C) | PROPOSED "WRS-LVP-HSP4" |
| (D) | PROPOSED "WRS-FIT-1480" |

HIGH SERVICE PUMP STATION FLOOR PLAN - I&C MODIFICATIONS



HARTUNIAN ENGINEERING INCORPORATED
 500 HUNTLAND DR. AUSTIN, TX 78722
 TEL: 512-476-1100 FAX: 512-476-1101
 STATE LICENSE NO. 0000000000

This document, and the designs incorporated herein, is an instrument of professional service that has been prepared by Hartunian Engineering, Inc., and is not to be used in whole or in part, for any other project without giving written notice to Hartunian Engineering, Inc.

CP&Y
 TBPCE REGISTRATION #F-1741

CITY OF AUSTIN
 ENGINEER
 A. A. 5918
 REGISTERED PROFESSIONAL ENGINEER

| NO. | REVISION | DATE | BY |
|-----|----------------------------|---------|-----|
| 1 | REVISED PER ADDENDUM NO. 4 | 1/28/13 | HEI |

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

CITY OF AUSTIN-AUSTIN WATER UTILITY
 WALNUT CREEK WWTP - WRI TANK ASSESSMENT & REPAIRS
 HIGH SERVICE PUMP STATION
 I&C FLOOR PLAN
 MODIFICATIONS

| |
|-------------------------|
| Date: SEPTEMBER 2012 |
| Designed: HEI |
| Drawn: HEI |
| Reviewed: HEI |
| CP&Y Proj. No. COA10060 |

GENERAL PERMIT PROGRAM