



Pleasanton Road at Medina River 12-Inch Water Main Replacement

Solicitation Number: B-14-057-GC

Job No.: 07-4005

ADDENDUM 1

September 18, 2014

To Respondent of Record:

This addendum, applicable to work referenced above, is an amendment to the proposal and plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the proposal.

MODIFICATIONS TO THE SPECIFICATIONS

1. Specification 2620 – Spec Section 1.05(C.) on page 0260-2 and Section 1.06(B.)(1.) on page 2620-3 have been revised to correct pipe size. The remaining sheets for Specification 2620 remain unchanged

MODIFICATIONS TO THE PLANS

1. Sheet 3 of 6 – Added Floodplain notes & correct pipe size notes to the plan sheet.


CLARIFICATIONS

1. N/A

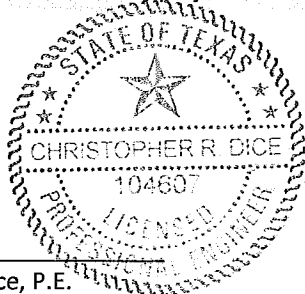
RESPONSES TO QUESTIONS

1. **Question 1: Are there any specific qualifications a contractor must meet in order to submit their bid as a General Contractor for this project?**

Response: There are not specific qualifications a contractor must meet in order to submit a bid as general (or prime) contractor. However, prospective bidders must endure they have previously performed work with a similar scope to the one outlined within the plans and specifications. In addition, the contractor who is the apparent low bidder must be able to demonstrate such by submitting the required items outlined on page IB-7, Instructions to Bidders, #24, which includes a record of performance on three (3) similar projects completed within the last five (5) years.

 9/18/14

Christopher R. Dice, P.E.
Cude Engineers



ACKNOWLEDGEMENT BY RESPONDENT

Each Respondent shall acknowledge receipt of this Addendum No. 1 by noting such and signing the Price Proposal.

This undersigned acknowledges receipt of this Addendum No. 1 and the proposal submitted herewith is in accordance with the information and stipulations set forth.

Date

Signature of Respondent

END OF ADDENDUM

1.03 SUBMITTALS

- A. *Manufacturer shall provide a certificate of compliance to these specifications referencing project name and location. The certificate shall also refer to ISO 9000.*
- B. *Submit shop drawings showing design of pipe and fittings indicating alignment and grade, laying dimensions, fabrication, fittings, flanges and special details.*

1.04 QUALITY CONTROL

- A. *Provide the manufacturer's certificate of conformance to the Specifications.*

1.05 APPROVED AND PREAPPROVED PRODUCTS

- A. *Provide HDPE pipe as follows:*

<i>WALL CONSTRUCTION</i>	<i>MANUFACTURER</i>	<i>PRODUCT OPTIONS</i>	<i>AWWA/ASTM DESIGNATION</i>	<i>PIPE STIFFNESS (MIN)</i>	<i>DIAMETER RANGE (INCHES)</i>
<i>Solid Wall</i>	<i>Drisco 4000 Plexco Blue or Green Shell</i>	<i>Approved By Submittal Only</i>	<i>C906</i>	<i>46 psi</i>	<i>12 to 48</i>

- B. *Solid wall pipe shall be produced with plain end construction for heat joining (butt-fusion) conforming to ASTM D 2657. Utilize controlled temperatures and pressures for jointing to produce a fused leak-free joint.*
- C. *For solid wall pipe for waterlines, provide pipe with a minimum pressure class of 200 psi, and with an outside diameter equal to or greater than the nominal pipe size indicated on the Drawings. Pipe shall be a minimum of DR 9.*

1.06 MATERIALS

- A. *Pipe and Fittings: High density, high molecular weight polyethylene pipe material meeting the requirements of Type III, Class C, Category 5, Grade P34, and have a PPI (Plastic Pipe Institute) recommended designation of PE3408 and cell classification 345444C per ASTM D-3350. The molecular weight category*

shall be extra high (250,000 to 1,500,000) as per the Gel Permeation Chromatography determination procedure with a typical value of 330,000.

B. Provide HDPE pipe as follows: All HDPE pipe shall be carbon black stabilized throughout the entire structural wall for ultra-violet protection. Internal or external shell coatings shall be for color identification or to facilitate TV inspection.

1. Water Mains for direct bury application shall have a blue shell outside wall with a black inside wall and shall be a minimum of DR 9. Pipes shall conform and be tested to AWWA C-906 and be manufactured to iron pipe size outside diameters.
2. Water Mains for directional drilling application shall be a minimum of DR 9.
3. All pipe shall be made of virgin material. No rework except that obtained from the manufacturer's own production of the same Formulation shall be used.
4. The pipe shall be homogenous throughout and shall be free of visible cracks, holes, foreign material, blisters or other deleterious faults.

C. Fittings: The polyethylene fittings shall be manufactured from Polyethylene compound which conforms to ASTM D-1248 and meets the requirements for Type II or III, Class B or C, Grades P23 or P34, Category 5. Fittings shall be manufactured by the same manufacturer as the pipe.

1. Pipe fittings shall have a long-term hydrostatic strength rating of 1250 psi or more, in accordance with ASTM D-2837.
2. Environmental stress crack resistance (ESCP) of the compound shall measure in accordance with ASTM D-1693, Condition C, and the compound shall withstand not less than 192 hours in 100% solution Igepal CO-630 at 100 degrees F before reaching a 20% failure point (20).
3. Tapping of HDPE pipe shall be by side wall fusion or electrofusion couplings for pressure service. Acceptable manufacturers are Central Plastics, I.U.S. model 96615, Fowler manufacturing or Valero.

1.07 DELIVERY STORAGE AND HANDLING OF MATERIALS

A. Transport, handle and store pipe and fitting as recommended by Manufacturer.

C.P.S. ENERGY UTILITIES NOTE:

CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
DUE TO FEDERAL REGULATION TITLE 49, PART 192.181, C.P.S. ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING C.P.S. ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREA (N.S.P.I.).

TREE NOTES:

- CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION OPERATIONS TO AVOID UNNECESSARY DAMAGE TO EXISTING TREES.
- NO TREES SHALL BE REMOVED BY THE CONTRACTOR UNLESS SPECIFICALLY AUTHORIZED BY AN APPROVED TREE PERMIT ISSUED BY THE CITY OF SAN ANTONIO ARBORIST.
- ALL TREES WITHIN THE PROJECT LIMITS SHALL REMAIN UNDISTURBED UNLESS OTHERWISE AUTHORIZED BY THE CITY OF SAN ANTONIO ARBORIST.

SHEET NOTES:

- THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THESE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE, AND ARE NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR SHOULD CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK. CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.
- ANY DAMAGE TO EXISTING CONCRETE RIPRAP, HEADWALLS, PIPE, OR OTHER EXISTING FEATURES IN THE RIGHT-OF-WAY AS A RESULT OF CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO ITS ORIGINAL OR BETTER CONDITION TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE. (N.S.P.I.)
- ALL WATER MAIN PIPE SHALL BE RESTRAINED IN ACCORDANCE WITH S.A.W.S. STANDARDS.
- INSTALL CONCRETE REACTION BLOCK AT TIE-IN PER SAWS STD. DWG. DD-830-01. JOINT RESTRAINT SHALL NOT EXCEED PROJECT LIMITS.
- TRANSITION COUPLING TO BE INSTALLED TO CONNECT DIFF. PIPE MATERIAL DIA. MATCH PIPE O.D. OF EXISTING STEEL PIPE. REFER S.A.W.S. SPECIFICATIONS ITEM NO. 512.
- PROVIDE CUSTOMER CUT-OFF VALVES PER SPECIFICATIONS AT EACH LOT WHERE NEW SERVICES HAVE BEEN RELAYED OR RELOCATED.
- CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING AND PROPOSED WATER VALVES AND KEEP THEM FREE FROM GRAVEL, ASPHALT, OR OTHER DEBRIS.
- CONTRACTOR SHALL REMOVE ABANDONED WATER VALVES AFTER NEW MAIN HAS BEEN RELEASED FOR SERVICE. (N.S.P.I.)
- CONTRACTOR AND S.A.W.S. INSPECTOR SHALL COORDINATE WITH EACH PROPERTY OWNER TO DETERMINE THE MOST FEASIBLE LOCATION OF THE RELOCATED METER BOX SO AS TO AVOID DAMAGE TO EXISTING TREES, PLANTER BOXES, LANDSCAPING OR OTHER IMPROVEMENTS INSIDE THE R.O.W. (N.S.P.I.)
- CONTRACTOR SHALL INSTALL ALL WATER SERVICES IN ACCORDANCE WITH S.A.W.S. STANDARDS DRAWINGS, SERIES DD-824.
- CONTRACTOR SHALL NOT DISTURB AN AREA GREATER THAN ONE TENTH (0.1) OF AN ACRE TO DETERMINE THE MOST FEASIBLE LOCATION OF THE RELOCATED METER BOX AS SHOWN ON PLANS.
- ANY SOIL THAT IS DISTURBED WITHIN THE FLOODPLAIN SHALL BE REVEGETATED WITH SOIL RETENTION BLANKETS, SEEDING AND TOPSOIL.
- ANY CONCRETE RIP RAP REMOVED OR DAMAGED DURING REMOVAL OF GATE VALVES (OR ANY OTHER WORK) SHALL BE REPLACED. USE MINIMUM 5" CONCRETE RIP RAP WITH #3 BARS @ 18" O.C.E.W.
- ALL 12" HDPE PIPE USED FOR HORIZONTAL DRILLING OPERATION SHALL BE 12" OUTSIDE DIAMETER HDPE PIPE, DR-9, 200 PSL, I.P.S.

TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL / SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, O.S.H.A. STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH O.S.H.A. STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

ASBESTOS NOTE:

ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE AND WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), IS LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS. PAYMENT FOR SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO. 3000, "SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE".

GENERAL NOTES FOR WATER MAIN INSTALLATION

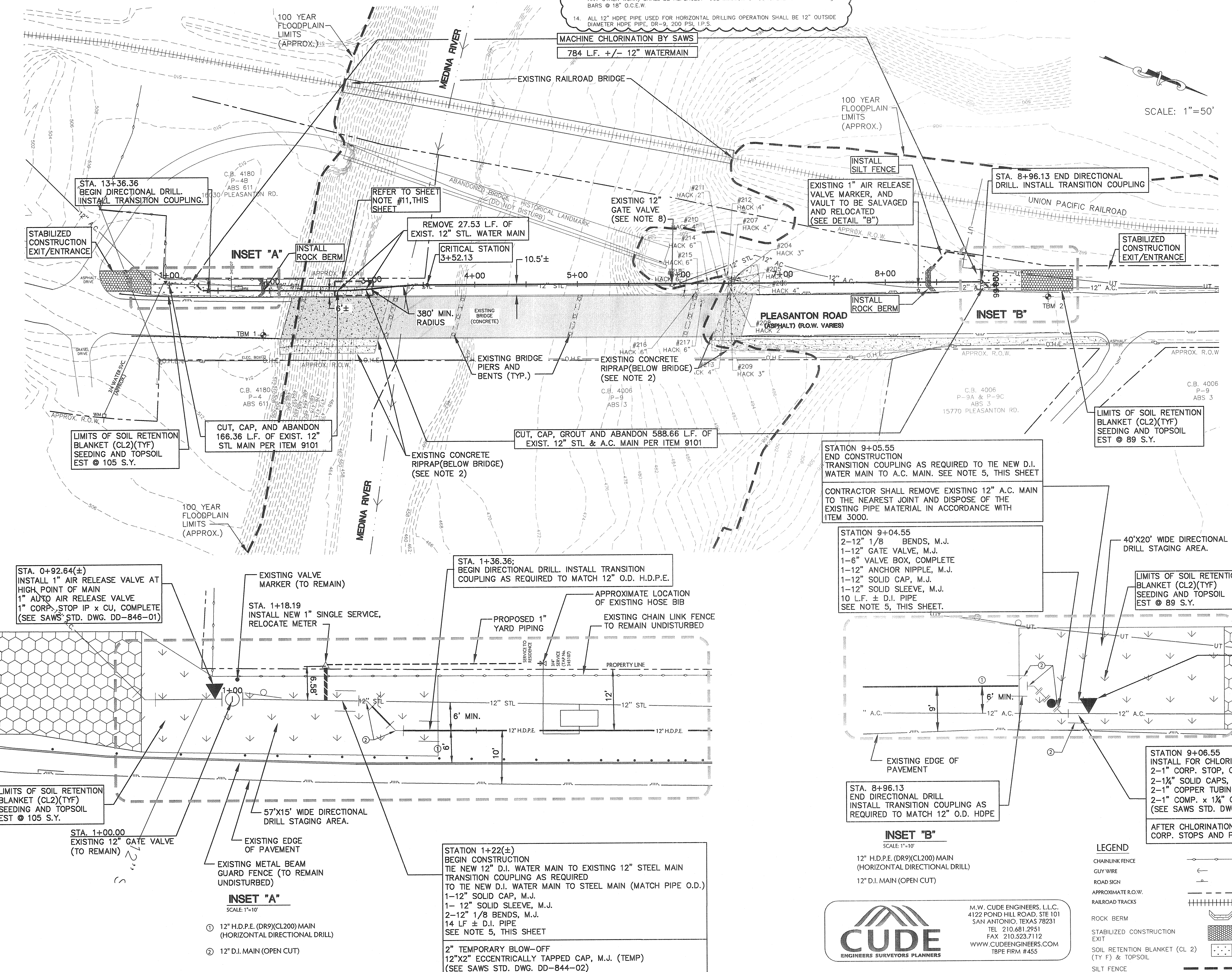
- All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the following as applicable:
 - Current Texas Commission on Environmental Quality (TCEQ) Design Criteria for Sewerage Systems [30 TAC 217 and 30 TAC 213].
 - Current TxDOT "Standard Specifications for Construction of Highways, Streets and Drainage."
 - Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction."
 - Current City of San Antonio "Standard Specifications for Public Works Construction."
 - Current City of San Antonio "Utility Excavation Criteria Manual."
- The location and depths of existing utilities, including service lines, shown on the plans are approximate only. Actual locations and depths must be field verified by the contractor 48 hours prior to construction and it shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction.
- The contractor shall verify the exact location of underground utilities and drainage structures at least 48 hours prior to construction, whether shown on plans or not, and protect the same during construction.
 - San Antonio Water System - Construction Inspections 233-2010
 - City of San Antonio Right-of-Way Department 207-6949
 - Texas State Wide One Call Locator (CPS, AT&T, Time Warner Cable, & Grey Forest Utilities) 1-800-344-8377
- The Contractor shall be responsible for restoring to its original or better condition from damages done to existing fences, curbs, streets, driveways, sidewalks, landscaping and structures.
- S.A.W.S. shall disinfect new main by machine chlorination unless otherwise indicated on the plans.
- Benchmarks are indicated on the plans.
- Trench excavation protection shall be accomplished as required by the provisions of part 1926, subpart P-Excavation, Trenching and Shoring of the Occupational Safety and Health Administration (O.S.H.A.) Standards and Interpretations. The contract shall also comply with the provisions included in Item 550, Trench Excavation Protection, San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction.
- Contractor and/or contractor's independently retained employee or structural design/geotechnical/safety/equipment consultant, if any, shall review these plans and any available geotechnical information and the anticipated installation sites within the project work area in order to develop the contractor's plans to implement the project described in the contract documents. The contractor's plans shall provide for adequate trench safety systems that comply with, as a minimum, O.S.H.A. standards for trench excavations. Specifically, contractor and/or contractor's independently retained employee or safety consultant shall develop and implement a trench safety program in accordance with O.S.H.A. standard governing the presence and activities of individuals working in and around trench excavation.
- Any utility services damaged during project work as a result of contractor's negligence shall be repaired or replaced to its original or better condition to the satisfaction of the utility owner at the contractor's expense (N.S.P.I.) Contractor shall stage and handle material away from driveways, drainage easements, channels, alleys, and rights-of-way unless approved by the public works department.
- All streets affected by construction shall be open to traffic at the end of each workday and temporary securing of open trenches with all weather-surface-material is required. (N.S.P.I.)
- All backfilled material, such as sand, gravel, dirt, etc., and construction equipment not used by the end of each work day must be stored in a location other than pavement or R.O.W., or flood plain.
- All waste materials shall become the property of the contractor and it shall be his sole responsibility to dispose of these materials in accordance with all local, state, and federal regulations. No waste material shall be placed in designated F.E.M.A. flood plains or in low areas that will block or alter the flow of existing natural drainage.
- Work hours shall be 8:00 A.M. to 5:00 P.M. Work hours may vary as set by the City of San Antonio CoSA Public Works Department and SAWS.
- Contractor shall give 48 hours notice and receive approval from S.A.W.S. and CoSA Public Works Department for extended working hours and/or weekend hours, subject to inspection fees and inspector overtime pay (N.S.P.I.).
- Construction shall adhere to City of San Antonio Utility Excavation Criteria Manual (UECM), City of San Antonio (CoSA) Standard Specifications for Public Works Construction, and S.A.W.S. Specifications for Water and Sanitary Sewer Construction. Contractor shall also comply with all special conditions of any right-of-way use permit issued by CoSA Public Works, (N.S.P.I.)
- Contractor shall submit a detailed traffic control plan for approval by S.A.W.S and CoSA Public Works Department for revisions and approval two weeks prior to start of construction (N.S.P.I.).
- No work will be allowed during weekends, nights and holidays without approval from S.A.W.S and CoSA Public Works.
- Contractor is responsible for any exploratory trenching to determine exact depth and location of existing utilities prior to excavation to avoid conflicts during construction (N.S.P.I.).
- Contractor shall submit a Right-of-Entry and Right-of-Storage letter for staging area, signed by the lot owner to S.A.W.S. and CoSA Public Works.
- Bore pits must be secured at all times and covered with steel plates at night or during non-working hours.
- Contractor shall coordinate and maintain access to driveways at all times.

STORMWATER POLLUTION PREVENTION NOTES:

- ALL STORMWATER POLLUTION PREVENTION CONTROLS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLANS. PLACEMENT OF THOSE CONTROLS SHALL COINCIDE WITH APPROPRIATE PHASE OF CONSTRUCTION. ANY RELOCATION OF THE ROCK BERMS, SILT FENCES, AND/OR TEMPORARY CONSTRUCTION ENTRANCES/EXITS SHALL BE AT THE CONTRACTOR'S EXPENSE. (N.S.P.I.)
- GRAPHICAL REPRESENTATION OF SILT FENCES, ROCK BERMS AND CONSTRUCTION ENTRANCE/EXIT ARE FOR CONTRACTOR'S INFORMATION ONLY. ALL STORMWATER POLLUTION PREVENTION MEASURES SHOWN ON THIS PLAN WILL BE SUBSIDIARY TO ITEM 101 "PREPARING RIGHT OF WAY".
- PAYMENT FOR THE SOIL RETENTION BLANKET WITHIN THE LIMITS NOTED SHALL BE SUBSIDIARY TO ITEM 554 "EROSION CONTROL MATTING" AND SHALL INCLUDE SEEDING.
- SOIL RETENTION BLANKET SHALL BE PLACED FROM EDGE OF PAVEMENT TO THE LIMITS SHOWN.
- SEE SHEET 5 OF 6 FOR STORM WATER POLLUTION PREVENTION DETAILS.

SEQUENCE OF ACTIVITY:

- INSTALL ROCK BERMS AND SILT FENCING WHERE SHOWN.
- ADJUST ROCK BERMS AND SILT FENCING AS WORK PROGRESSES.
- PLACE FINAL TOPSOIL, SEEDING, AND INSTALL SOIL RETENTION BLANKET AS SHOWN.
- REMOVE ROCK BERMS AND SILT FENCES AFTER VEGETATION HAS BEEN PROPERLY ESTABLISHED PER THE SPECIFICATIONS.



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WATER MAIN - PLAN VIEW AND NOTES

UTILITY LEGEND

- PROP. WATER MAIN
- EXIST. WATER MAIN
- GAS MAIN
- SANITARY SEWER
- STORM SEWER
- UTILITY POLE LINE
- ELECTRIC CABLE
- TELEPHONE CABLE
- DUAL BRANCH SERV.
- NEW UNMETERED SERVICE:
- 3/4" SINGLE
- 1" DUAL
- SERVICE RECONNECT:
- 3/4"
- 1" OR LARGER
- SERVICE RELAY:
- 3/4"
- 1" OR LARGER
- SERVICE RELOCATE:
- 3/4"
- 1" OR LARGER
- RELOCATE METER
- NEW SERVICE:
- 3/4"
- 1" OR LARGER

ADDENDUM #1	JIS	CRD	08-16-14
No.	Revision	Drawn	Approved Date

REVISIONS

PELASEANTON RD. AT MEDINA RIVER - 12" WATER MAIN REPLACEMENT

DEVELOPER: SAN ANTONIO WATER SYSTEM
CONT. [BUDGET PROJ. 34, 37]

SUBMITTED _____
APPROVED _____

MAP No. 162-520 SHEET 3
SECT. No. _____
DR. JG/JUS/CK, CD JOB No. 07-4005 OF 6