



**Helotes Creek Gravity Main and Lift Station #246 Elimination Project  
(RFCSP)**

**Solicitation Number: CO-00563**

**Job No.: 16-4403**

**ADDENDUM 2**

**August 1, 2022**

To Respondent of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, 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 Respondent Questionnaire.

**RESPONSES TO QUESTIONS**

- 1. Question: With the amount of bores and Tunnels approximately 7600LF, we feel that there is not enough days for this project (527 C.DAYS) we will need more than 650C.D. for this project in order to complete and that is not even counting with the pipe availability. Can the days be extended?**

*Response: The calendar days are now increased from 527 days to 772 days. See Changes to Specifications.*

- 2. Question: I believe old Bandera road is part of TXDOT ROW and they will require flowable fill backfill for all open cut. Can you add a bid item for flowable fill backfill?**

*Response: The open cut from Sta 2+65 to 9+74 of Segment 1 in Old Bandera Road is part of the City of Helotes ROW and is not anticipated to require flowable backfill. However, a bid item for TxDOT Item 401 Flowable Backfill has been added to the plan set as the open cut portion from Sta 33+80 to 35+43 of Segment 1 is in TxDOT ROW and outside of easements.*

- 3. Question: Are all FRP Manholes required to be flowable fill backfill? Can you please provide details?**

*Response: All FRP manholes are required to be backfilled with Flowable Fill per Special Provision SP853 item 853.5.6. Details for flowable fill backfill are in accordance with DD-852 drawing series and can be found in the Contract Documents under DD-852-12 Typical Fiberglass Manhole Detail (Sheet 1 of 1) in Special Provision SP852 - Sanitary Sewer Manholes.*

- 4. Question: What is the project construction estimate and liquidated damages per day?**

*Response: The project construction estimate has been updated to \$27,400,000.00. The liquidated damages per day are \$970.00.*

**5. Question:** There are two different tunnels specifications referenced in the plans SS856 and SS02420. The contract documents have SS856 (Jacking Boring and Tunneling), SS0240 (Tunnel Excavation by Micro tunnel or Small Diameter Tunnel Boring Machine), and SS2490 (Hand Mining). What tunnel methodology is allowed for each run of tunnel? Can the engineer provide a table showing the allowable tunnel methodology and acceptable primary liner for each tunnel so that bidders can accurately bid each tunnel?

*Response:*

	<i>Tunnel Methodology</i>	<i>Specification</i>	<i>Acceptable Liner</i>
<i>Segment 1: Tunnels between Sta 9+60 to 33+90</i>	<i>Tunnel Excavation by Microtunnel or Small Diameter Tunnel Boring Machine  Hand Mining</i>	<i>SS 02420 - Tunnel Excavation by MTBM or SDTBM  SS 02490 – Hand Mining</i>	<i>Steel Casing, Ribs and Lagging, Steel Liner Plate</i>
<i>Segment 1: Tunnels from 33+90 to End</i>	<i>Conventional Jack and Bore (also known as Jacking, Boring and Tunneling)</i>	<i>SP 856 – Pipe Jacking</i>	<i>Steel Casing</i>
<i>Segment 2: Tunnels from 10+00 to End</i>	<i>Conventional Jack and Bore (also known as Jacking, Boring and Tunneling)</i>	<i>SP 856 – Pipe Jacking</i>	<i>Steel Casing</i>

**6. Question:** Please confirm that the sag test and the deflection test for the sanitary sewer will be required 30 days after backfill ,even under bypass situations, per specification 849.

*Response:* Yes.

**7. Question:** Is liner plate allowed for all tunnels or only the tunnels tied to Specification SS02040?

*Response:* Liner plate is only allowed for the tunnels tied to Specification SS 02440, specifically between Sta 9+60 to 33+90 of Segment 1

**8. Question:** The plans show 48” steel casing for the tunnels tied to specification SS0240. Is liner plate acceptable for use for the tunnels tied to this specification?

*Response:* Liner plate or steel ribs and lagging are also acceptable for use for the tunnels tied to SS 02440, specifically between Sta 9+60 to 33+90 of Segment 1.

**9. Question:** Please confirm all tunnels require annular grouting between the carrier pipe and primary liner?

*Response:* Yes, all tunnels require annular grouting between the carrier pipe and primary liner.

**10. Question:** Settlement monitoring of utilities and structures is required as shown on sheet 86 from station 9+60 to 33+90. What structures and utilities are required to be monitored as part of this requirement?

*Response:* Per SS 02470 Submit - Instrumentation Plan indicating proposed locations of instruments at each shaft location and along the proposed tunnel alignment including monitoring of existing structures, utilities, roadways, and proposed tunnel structures. Engineer will consult with contractor on plan to approve proposed instrumentation plan during the submittal process.

*As a general guidance, key utilities and structures within 50-feet of shafts should have a UMP or SSP/SMP. Key utilities crossing tunnel alignment should have a SSP/SMP, UMP or DMP.*

- 11. Question:** Because of the amount of tunneling on this project should successful completion of long gravity controlled tunnels and the successful installation of carrier pipe in tunnels be mandatory experience to submit a proposal?

*Response:* The experience required will be as indicated in the Supplementary Instructions to Respondents (SIR) of the Contract Documents.

- 12. Question:** The listing of 5 similar jobs in scope to the project, just how stringent is that and will we be considered nonresponsive if that is not met. The reason I ask is because our company has done a couple of joint bid utility jobs that were similar in scope. We also just got substantial completion on another SAWS projects.

*Response:* Yes, Respondents shall ensure they have both the Required Experience and required number of projects similar to the scope indicated within the Supplementary Instructions to Respondents found in the specifications of this RFCSP. Failure to provide the requested number of projects, and/or submitting projects that are not similar in scope may result in a deduction of points during evaluation and/or an non-responsive proposal. SAWS recommend Respondents become familiar with the plans and specifications, most especially the Supplementary Instructions to Respondents, to assist on making a determination to propose.

- 13. Question:** We have a division that does tunneling. Would their experience count as part of our resume and their scope being a big part of this job help satisfy or ease the 5 job requirement? Or do the 5 similar jobs have to be open cut Sanitary Sewer experience?

*Response:* The 5 similar completed projects do not have to be all open cut. Tunneling projects may be included as projects of similar size, scope and complexity.

- 14. Question:** Will the existing lift station be able to shut down the force main during construction or will this 10in force main need to be bypassed?

*Response:* The 10" force main will need to bypass, see Segment 1 Suggested Bypass pumping Plan on Sheets 17-20 and Special Specification SS 01100 Lift Station Operational Control.

- 15. Question:** Can you let us know the flows for the existing 10in force main, 15in gravity and the 18in gravity.

*Response:* Segment 1 – Peak Wet Weather Flows (provided by SAWS Master Planning)  
Exist 15" into MH #418565 at STA 11+46.53 – 1.1 MGD

Exist 8" into MH #418456 at STA 94+26.10 – 0.7 MGD  
Exist 12" into MH #418456 at STA 94+26.10 – 0.3 MGD

Segment 2 – Peak Wet Weather Flows (provided by SAWS Master Planning)  
Exist 15" downstream of MH #418545 at STA 50+43.86– 1.1 MGD  
Exist 12" downstream of MH #24874 – 4.0 MGD

Segment 3 – Peak Wet Weather Flows (provided by SAWS Master Planning)  
Exist 18" downstream of MH #418501 at STA 5+97.15 – 1.1 MGD

Segment 1 – Full flow capacity via Manning's Equation  
Exist 15" into MH #418565 at STA 11+46.53 – 7.23 MGD

Exist 8" into MH #418456 at STA 94+26.10 – 0.97 MGD  
Exist 12" into MH #418456 at STA 94+26.10 – 3.2 MGD

Segment 2 – Full flow capacity via Manning's Equation  
Exist 15" downstream of MH #418545 at STA 50+43.86– 9.57 MGD  
Exist 12" downstream of MH #24874 – 3.37 MGD

Segment 3 – Full flow capacity via Manning's Equation  
Exist 18" downstream of MH #418501 at STA 5+97.15 – 3.52 MGD

**16. Question: Is the CPS Allowance for the Power Pole bracing?**

*Response: Yes, the CPS Allowance is for reimbursement of direct fees to the contractor incurred for bracing/relocation of power poles and guy wires. See SC6 of the Special Conditions.*

**17. Question: Sheet 39 calls for 46" Casing, however that is not listed under the bid items.**

*Response: The minimum 48" Casing called out on Sheet 39 is accounted for under Item SS-02440 Tunnel Initial Support.*

**18. Question: Can we perform the 500' bores in two shots. 250 and 250?**

*Response: Conventional jack and bores from 33+90 to the end of Segment 1 and throughout Segment 2 longer than 500 feet may be performed with an approved intermediate pit if it is feasible and does not conflict with existing utilities or structures at no additional cost to SAWS.*

**19. Question: On the drawings the separations dimensioned from utilities appear to be drawn to the inside diameter of the carrier pipe and not the outside diameter of the casing. Is that intentional, in which case should these dimensions be reduced by both pipe wall thicknesses and the annular space to assess true separation from utilities?**

*Response: Since the tunnelling liner in Segment 1 specifies a minimum casing size, for consistency in the Segment 1 profile, the dimensions are drawn to the outside of the carrier pipe intentionally. Contractors should account for wall thicknesses and annular spaces when approximating utility separations in their review of Segment 1 tunnelling and jack and bore sections.*

**20. Question: Drawing Sheet 37 of 103 shows Existing 15" PVC Sanitary between STA No. 1+45 to STA No. 2+75. Is there a reason for not replacing the existing 130 LF of sewer line at a lower elevation, remove the need for a drop at MH # 418564 so as to lower open cut 18-in gravity main, 18-inch carrier line inside 48-in casing and 18-inch in 36-in casing from STA 1+45 to STA 40+00 for two reasons:**

- (i) to provide a larger separation between proposed tunnels and existing known utilities so reducing project risk
- (i) allow more proposers to compete with their larger machines that may install larger casing.

*Response: The location of MH# Seg 1-1 at STA 2+75 was chosen to tie back into the existing sewer system as quickly as possible and create the least amount of disruption to Old Bandera Road and the City of Helotes. There is no intention to lower the design of the open cut 18-inch gravity main or 18-inch carrier pipe and casing pipe. Should during construction additional portions of the sewer main between 1+45 to 2+75 require lowering to ensure positive flow, an adjustment will be evaluated.*

**21. Question: Fiberglass manholes are currently 40 – 45 weeks out from date of Purchase Order. Requesting that Concrete Manholes be allowed as an alternate due to the long lead times on fiberglass?**

*Response: Fiberglass manholes shall be bid as specified per plans. Alternate methods and product substitutions can only be discussed after awarding of project.*

<b>CHANGES TO THE SPECIFICATIONS</b>
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1. Request for Competitive Sealed Proposals (RFCSP): Proposal submittal deadline has been extended from 10:00 AM (CDT) on August 11, 2022 to 9:00 AM (CT) on August 16, 2022.

Remove paragraph five (5) of the Request for Competitive Sealed Proposals, Page IV-1, and replace with the following:

**Request Due to the COVID-19 emergency and to protect the health of the public, SAWS is implementing new procedures for the submission of proposals. Proposals will be received electronically only, until 9:00 AM (CDT), August 16, 2022.** Electronic proposals will be received via the secure SAWS FTP site. See the Electronic Proposal Opening Instructions attachment for additional information regarding an electronic proposal submittal. Electronic proposals shall be accompanied by a bid bond in an amount not less than five percent of the total proposal price. (Or, if providing SAWS with a cashier's check or certified check in an amount not less than five percent of the total proposal price, SAWS will request this within 24 hours from the Respondent who did not submit a bid bond). Proposals will then be publicly opened and read aloud by Contract Administration via WebEx.

2. Electronic Proposal Opening Instructions: Proposal submittal deadline has been extended from 10:00 AM (CDT) on August 11, 2022 to 9:00 AM (CT) on August 16, 2022.

Remove paragraph two (2) of the Electronic Proposal Opening Instructions, and replace with the following:

Once access is received, Respondents may upload the required documents per the Price Proposal checklist any time before **August 16, 2022 by 9:00 AM (CDT)**. Please ensure to allow sufficient time should Bidder's experience technical difficulties in uploading the required documents. No changes to the proposal nor bid price can be made once the proposal has been received by SAWS.

3. Due to updates in the General Wage Decisions for Building Construction Type, remove the wage decision documents from the solicitation in entirety and replace with the revised version attached (rev. 07/08/2022 for General Decision Number TX20220231). This version should be utilized by the awarded contractor for this project.

4. Number of calendar days has been changed from 527 days to 772 days on the following pages of the Contract Documents.
  - a. Price Proposal
  - b. Proposal Certification

5. Remove Price Proposal in its entirety and replace with the revised Price Proposal attached to this addendum. Price Proposal has been revised to add Item 401 – Flowable Backfill (TxDOT Spec), update the CPS Energy Allowance Spec No. to SC6 and add additional quantity to Item 535.1 - Hot Applied Thermoplastic Pavement Markings - 4 inch wide yellow line (COSA Spec) and Item 535.2 - Hot Applied Thermoplastic Pavement Markings - 4 inch wide white line (COSA Spec) to account for striping restoration on Segment 2.

6. The estimated cost for this project has changed to \$27,400,000.00 which is also now reflected on SAWS website at the following:  
[https://apps.saws.org/business\\_center/ContractSol/Drill.cfm?id=4106&View=Yes](https://apps.saws.org/business_center/ContractSol/Drill.cfm?id=4106&View=Yes)

**CHANGES TO THE PLANS**

1. Delete Sheet 1 of 103 of the plans in its entirety and replace with the attached Sheet 1 of 103, dated 8/1/22. Sheet 1 has been revised to add the Solicitation Number.
2. Delete Sheet 3 of 103 of the plans in its entirety and replace with the attached Sheet 3 of 103, dated 8/1/22. Sheet 3 has been revised to add Item 401 – Flowable Backfill (TxDOT Spec), update the CPS Energy Allowance Spec No. to SC6 and add additional quantity to Item 535.1 - Hot Applied Thermoplastic Pavement Markings - 4 inch wide yellow line (COSA Spec) and Item 535.2 - Hot Applied Thermoplastic Pavement Markings - 4 inch wide white line (COSA Spec) to account for striping restoration on Segment 2.
3. Delete Sheet 4 of 103 of the plans in its entirety and replace with the attached Sheet 4 of 103, dated 8/1/22. Sheet 4 has been revised to add Additional Note #1 regarding striping and pavement markings restoration.
4. Delete Sheet 45 of 103 of the plans in its entirety and replace with the attached Sheet 45 of 103, dated 8/1/22. Sheet 45 has been revised to add Item 401 – Flowable Backfill (TxDOT Spec).

**END OF ADDENDUM 2**

This Addendum is twenty-two (22) pages in its entirety, with four (4) attachments.

Attachments: General Wage Decision Number TX20200231 (rev. 07/08/2022) (7 pages)  
Price Proposal (4 pages)  
Proposal Certification (1 page)  
Plan Sheet 1, 3, 4 and 45 (4 sheets)



 8/1/22

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Steven H. Thai, P.E.  
BGE, Inc.  
TBPE Registration No. F-1046

"General Decision Number: TX20220231 07/08/2022

Superseded General Decision Number: TX20210231

State: Texas

Construction Type: Building

County: Bexar County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	02/18/2022

2 02/25/2022  
 3 04/15/2022  
 4 06/17/2022  
 5 07/08/2022

ASBE0087-014 06/07/2021

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)....	\$ 25.22	10.17

BOIL0074-003 01/01/2021

	Rates	Fringes
BOILERMAKER.....	\$ 29.47	24.10

\* ELEC0060-003 06/01/2022

	Rates	Fringes
ELECTRICIAN (Communication Technician Only).....	\$ 31.95	15%+6.41

\* ELEC0060-004 06/01/2022

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring).....	\$ 31.95	15%+6.41

ELEV0081-001 01/01/2022

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 44.80	36.885+a+b

FOOTNOTES:

A. 6% under 5 years based on regular hourly rate for all hours worked. 8% over 5 years based on regular hourly rate for all hours worked.

B. Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving Day; Christmas Day; and Veterans Day.

ENGI0450-002 04/01/2014

	Rates	Fringes
POWER EQUIPMENT OPERATOR Cranes.....	\$ 34.85	9.85

IRON0066-013 06/01/2022

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 25.25	7.28

IRON0084-011 06/01/2021

Rates Fringes



IRONWORKER, ORNAMENTAL.....\$ 26.01 7.56  
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PLUM0142-009 07/01/2020

	Rates	Fringes
HVAC MECHANIC (HVAC Electrical Temperature Control Installation Only).....	\$ 30.25	13.36
HVAC MECHANIC (HVAC Unit Installation Only).....	\$ 30.25	13.36
PIPEFITTER (Including HVAC Pipe Installation).....	\$ 31.90	13.76
PLUMBER (Excludes HVAC Pipe Installation).....	\$ 31.90	13.76
Excludes HVAC Pipe Installation		

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SFTX0669-002 04/01/2021

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 31.68	22.50

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SHEE0067-004 04/01/2022

	Rates	Fringes
Sheet metal worker Excludes HVAC Duct Installation.....	\$ 27.89	16.25
HVAC Duct Installation Only.....	\$ 27.89	16.25

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\* SUTX2014-006 07/21/2014

	Rates	Fringes
BRICKLAYER.....	\$ 22.15	0.00
CARPENTER (Acoustical Ceiling Installation Only).....	\$ 17.83	0.00
CARPENTER (Form Work Only).....	\$ 13.63 **	0.00
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work, and Metal Stud Installation.....	\$ 16.86	4.17
CAULKER.....	\$ 15.00	0.00
CEMENT MASON/CONCRETE FINISHER...	\$ 22.27	5.30
DRYWALL FINISHER/TAPER.....	\$ 13.81 **	0.00
DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 15.18	0.00
ELECTRICIAN (Low Voltage Wiring Only).....	\$ 20.39	3.04
IRONWORKER, REINFORCING.....	\$ 12.27 **	0.00

LABORER: Common or General.....	\$ 10.75 **	0.00
LABORER: Mason Tender - Brick...	\$ 11.88 **	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 12.00 **	0.00
LABORER: Pipelayer.....	\$ 11.00 **	0.00
LABORER: Roof Tearoff.....	\$ 11.28 **	0.00
LABORER: Landscape and Irrigation.....	\$ 8.00 **	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 15.98	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 14.00 **	0.00
OPERATOR: Bulldozer.....	\$ 14.00 **	0.00
OPERATOR: Drill.....	\$ 14.50 **	0.00
OPERATOR: Forklift.....	\$ 12.50 **	0.00
OPERATOR: Grader/Blade.....	\$ 23.00	5.07
OPERATOR: Loader.....	\$ 12.79 **	0.00
OPERATOR: Mechanic.....	\$ 18.75	5.12
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 16.03	0.00
OPERATOR: Roller.....	\$ 12.00 **	0.00
PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping.....	\$ 13.07 **	0.00
ROOFER.....	\$ 12.00 **	0.00
TILE FINISHER.....	\$ 11.32 **	0.00
TILE SETTER.....	\$ 14.94 **	0.00
TRUCK DRIVER: Dump Truck.....	\$ 12.39 **	1.18
TRUCK DRIVER: Flatbed Truck.....	\$ 19.65	8.57
TRUCK DRIVER: Semi-Trailer Truck.....	\$ 12.50 **	0.00
TRUCK DRIVER: Water Truck.....	\$ 12.00 **	4.11

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WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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\*\* Workers in this classification may be entitled to a higher  
minimum wage under Executive Order 14026 (\$15.00) or 13658

(\$11.25). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average

rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an

interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

Project Name: Helotes Creek Gravity Main and Lift Station No. 246 Elimination Project  
Solicitation No. : CO-00563  
Job No(s): 16-4403

PRICE PROPOSAL

PROPOSAL OF \_\_\_\_\_, a corporation  
a partnership consisting of \_\_\_\_\_  
an individual doing business as \_\_\_\_\_

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation for Competitive Sealed Proposals, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices in the price proposal to wit:

**PLEASE SEE ATTACHED LIST OF BID ITEMS.**

\_\_\_\_\_  
RESPONDENT'S SIGNATURE & TITLE

\_\_\_\_\_  
FIRM'S NAME (TYPE OR PRINT)

\_\_\_\_\_  
FIRM'S ADDRESS

\_\_\_\_\_  
FIRM'S PHONE NO. /FAX NO.

\_\_\_\_\_  
FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following: **Addendum No(s)**. \_\_\_\_\_

**OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE PROPOSAL.**

The Respondent offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **772** calendar days after the start date, as set forth in the Authorization to Proceed. **The Respondent understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Price Proposal which are included on the following pages.

**Statement on President's Executive Orders**

Has your firm previously performed work subject to the President's Executive Orders Numbers 11246 and 11375 or any preceding similar executive orders (Numbers 10925 and 11114)? Yes  No

**Texas Government Code Chapter 2274 Verifications**

- (1) Are you, Contractor, held or controlled by individuals who are citizens of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes  No
- (2) Are you, Contractor, held or controlled by a company or other entity, including a governmental entity, that is owned or controlled by citizens of or directly controlled by the government of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes  No
- (3) Are you, Contractor, headquartered in China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes  No

**HELOTES CREEK GRAVITY MAIN AND LIFT STATION NO. 246 ELIMINATION PROJECT**

Item No.	Spec. No.	Description	Unit	Quantity	Unit Price	Total Price
1	102.1	Obliterating Abandoned Street (COSA Spec)	SY	1420	\$	\$
2	103.1	Remove Concrete Curb (COSA Spec)	LF	12	\$	\$
3	103.3	Remove Sidewalks and Driveways (COSA Spec)	SF	54	\$	\$
4	104	Removing Concrete (Curb) (TxDOT Spec)	LF	35	\$	\$
5	107.3	Embankment (Vehicle) (COSA Spec)	CY	475	\$	\$
6	160	Topsoil (TxDOT Spec)	SY	347	\$	\$
7	192	Mulch (TxDOT Spec)	SY	347	\$	\$
8	202.1	Prime Coat (COSA Spec)	GAL	2	\$	\$
9	203.1	Tack Coat (COSA Spec)	GAL	1286	\$	\$
10	205.2	Hot Mix Asphaltic Pavement - Type B (10" Compacted Depth) (COSA Spec)	SY	1747	\$	\$
11	205.4	Hot Mix Asphaltic Pavement - Type D (2" Compacted Depth) (COSA Spec)	SY	12844	\$	\$
12	208.1	Salvaging, Hauling, and Stockpiling Reclaimable Asphaltic Pavement (2") (COSA Spec)	SY	12844	\$	\$
13	401	Flowable Backfill (TxDOT Spec)	CY	715	\$	\$
14	413.2	Flowable Fill (High Strength)	CY	60	\$	\$
15	500.1	Concrete Curb (COSA Spec)	LF	52	\$	\$
16	502	Barricades, Signs, and Traffic Handling (TxDOT Spec) - Segment 1	EA	1	\$	\$
17	502	Barricades, Signs, and Traffic Handling (TxDOT Spec) - Segment 2	EA	1	\$	\$
18	502	Barricades, Signs, and Traffic Handling (TxDOT Spec) - Segment 3	EA	1	\$	\$
19	502.1	Concrete Sidewalk (COSA Spec)	SY	6	\$	\$
20	515.1	Topsoil (COSA Spec)	CY	334	\$	\$
21	516.1	Bermuda Sodding (COSA Spec)	SY	1794	\$	\$
22	520.1	Hydromulching (Residential or Commercial) (COSA Spec)	SY	2906	\$	\$
23	529	Concrete Curb (TxDOT Spec)	LF	35	\$	\$
24	535.1	Hot Applied Thermoplastic Pavement Markings - 4 inch wide yellow line (COSA Spec)	LF	5918	\$	\$
25	535.2	Hot Applied Thermoplastic Pavement Markings - 4 inch wide white line (COSA Spec)	LF	6557	\$	\$
26	535.7	Hot Applied Thermoplastic Pavement Markings - 24 inch wide white line (COSA Spec)	LF	140	\$	\$
27	540	Temporary Erosion, Sedimentation and Water Pollution Prevention and Control	LS	1	\$	\$
28	550	Trench Protection	LF	7126	\$	\$
29	848	8" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi) (Open Cut) (All Depths)	LF	803	\$	\$
30	848	12" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi) (Open Cut) (All Depths)	LF	896	\$	\$

Item No.	Spec. No.	Description	Unit	Quantity	Unit Price	Total Price
31	848	15" PVC Gravity Sanitary Sewer Pipe (SDR 26-3034, 115 psi) (Open Cut) (All Depths)	LF	43	\$	\$
32	848	18" PVC Gravity Sanitary Sewer Pipe (SDR 26-F679, 115 psi) (Open Cut) (All Depths)	LF	4734	\$	\$
33	853	Sanitary Sewer Glass-Fiber Reinforced Polyester (FRP) Manhole (4' Dia.)	EA	32	\$	\$
34	853	Sanitary Sewer Glass-Fiber Reinforced Polyester (FRP) Manhole (5' Dia.)	EA	13	\$	\$
35	853	Sanitary Sewer Glass-Fiber Reinforced Polyester (FRP) Drop Manhole (5' Dia.)	EA	2	\$	\$
36	853	Extra Depth FRP Manholes (greater than 6')	VF	516	\$	\$
37	854	Sanitary Sewer Laterals, (SDR 26, ASTM 2241, 160 psi)	LF	1100	\$	\$
38	854	Two-Way Sanitary Sewer Clean-out	EA	16	\$	\$
39	856.1	Jack, Boring and Tunneling 24" (J,B,&T)	LF	329	\$	\$
40	856.1	Jack, Boring and Tunneling 36" (J,B,&T)	LF	4903	\$	\$
41	856.2	15" Carrier Pipe for Jacking, Boring or Tunneling	LF	329	\$	\$
42	856.2	18" Carrier Pipe for Jacking, Boring or Tunneling	LF	4903	\$	\$
43	856.3	Steel Casing (24")	LF	329	\$	\$
44	856.3	Steel Casing (36")	LF	4903	\$	\$
45	858	Concrete Encasement, Cradles, Saddles and Collars	CY	121	\$	\$
46	860	Vertical Stacks	VF	43	\$	\$
47	862	Abandonment of Sanitary Sewer Main (15" or greater)	LF	4514	\$	\$
48	865	Bypass Pumping (Small Diameter Sanitary Sewers) - Segment 1	EA	1	\$	\$
49	865	Bypass Pumping (Small Diameter Sanitary Sewers) - Segment 2	EA	1	\$	\$
50	865	Bypass Pumping (Small Diameter Sanitary Sewers) - Segment 3	EA	1	\$	\$
51	866	Pre Sewer Main Television Inspection (6"-15")	LF	1086	\$	\$
52	866	Pre Sewer Main Television Inspection (27" and larger)	LF	2067	\$	\$
53	866	Post Sewer Main Television Inspection (6"-15")	LF	2716	\$	\$
54	866	Post Sewer Main Television Inspection (18"-24")	LF	11978	\$	\$
55	910	Manhole Rehabilitation	VF	53	\$	\$
56	6001	Portable Changing Message Board (TxDOT Spec)	EA	1	\$	\$
57	SS-01005	Lift Station #246 Decommissioning	LS	1	\$	\$
58	SS-02400	Access Shaft Excavation	EA	4	\$	\$
59	SS-02420	Tunnel Excavation	LF	2336	\$	\$
60	SS-02440	Tunnel Initial Support	LF	2336	\$	\$
61	SS-02450	18" Carrier Pipe for Tunneling	LF	2336	\$	\$



Item No.	Spec. No.	Description	Unit	Quantity	Unit Price	Total Price
SUBTOTAL (ITEMS 1 - 61)					\$	

62	SC6	CPS Energy Allowance	ALW	1	\$ 100,000.00	\$ 100,000.00
63	100	Intermediate Demobilization Bypass Equipment Rental	MD	3	\$	\$
64	100	Intermediate Demobilization Bypass Pumping Fuel	MD	3	\$	\$
65	100	Intermediate Demobilization Bypass Pumping Watch	MD	3	\$	\$
66	100.1	Mobilization (Max 10% of Line Items 1 - 61)	LS	1	\$	\$
67	101.1	Preparation of Right of Way (Max 5% of Line Items 1 - 61)	LS	1	\$	\$
68	SS102	Intermediate Demobilization and Remobilization	EA	1	\$	\$

Mobilization lump sum bid shall be limited to a maximum 10% of the Line Item 1-61 Sub-total Base Bid amount. Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line Item 1-61 Sub-total Base Bid amount. The Line Item 1-61 Sub-total base bid is defined as all bid items **EXCLUDING** Item 100, Mobilization and Item 101, Preparing Right-of-Way. **In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Preparation of ROW bid items the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.**

<b>TOTAL BID PRICE</b>					\$	
<b>(TO INCLUDE LINE ITEMS 1 - 68)</b>						

# PROPOSAL CERTIFICATION

Accompanying this proposal is a Bid Bond or Certified or Cashier's Check payable to the Order of the San Antonio Water System for \_\_\_\_\_ dollars (\$ \_\_\_\_\_), which amount represents five percent (5%) of the total bid price. Said bond or check is to be returned to the bidder unless the proposal is accepted and the bidder fails to execute and file a contract within **10** calendar days after the award of the Contract, in which case the check shall become the property of said San Antonio Water System, and shall be considered as payment for damages due to delay and other inconveniences suffered by said San Antonio Water System due to the failure of the bidder to execute the contract. The San Antonio Water System reserves the right to reject any and all bids.

It is anticipated that the Owner will act on this proposal within **60** calendar days after the bid opening. Upon acceptance and award of the contract to the undersigned by the Owner, the undersigned shall execute standard San Antonio Water System Contract Documents and make Performance and Payment Bonds for the full amount of the contract within **10** calendar days after the award of the Contract to secure proper compliance with the terms and provisions of the contract, to insure and guarantee the work until final completion and acceptance, and the guarantee period stipulated, and to guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the contract.

It is anticipated that the Owner will provide written Authorization to Proceed within **30** days after the award of the Contract.

The work called for in this Contract shall commence on the date indicated in the SAWS written Authorization to Proceed Under no circumstances shall the work commence prior to the date provided for in the SAWS issued, written Authorization to Proceed. Work shall be completed in full within 772 consecutive calendar days.

The undersigned further acknowledges compliance with "Wage and Labor Standard Provisions" of this contract and the use of the Blue Book rental rates for establishment of equipment rental rates whether owned or leased during the course of this Contract.

In completing the work contained in this proposal the undersigned certifies that bidder's practices and policies do not discriminate on the grounds of race, color, religion, sex or national origin and that the bidder will affirmatively cooperate in the implementation of these policies and practices.

Signed: \_\_\_\_\_  
Company Representative

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Address

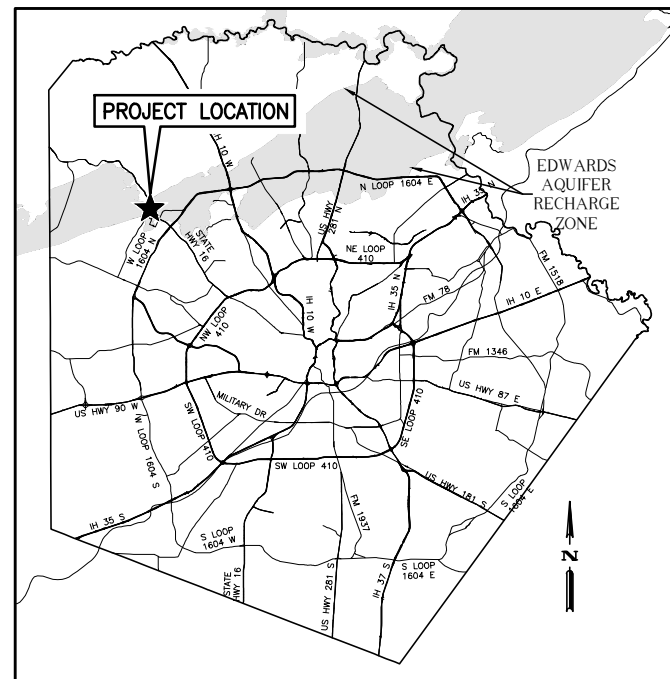
Please return bidder's check to:

\_\_\_\_\_  
Company Name

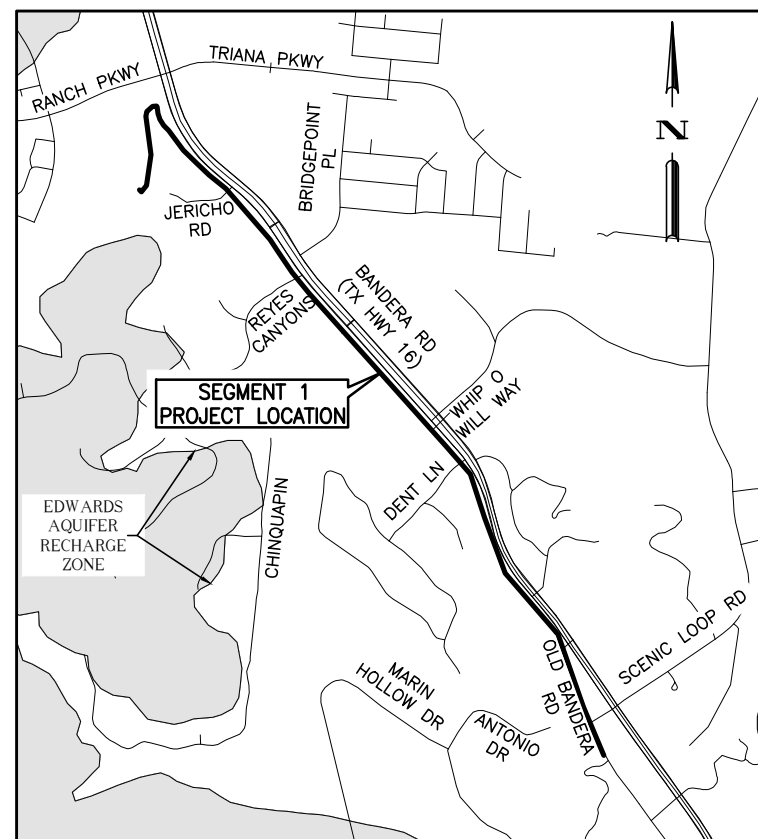
\_\_\_\_\_  
Address

# SAN ANTONIO WATER SYSTEM

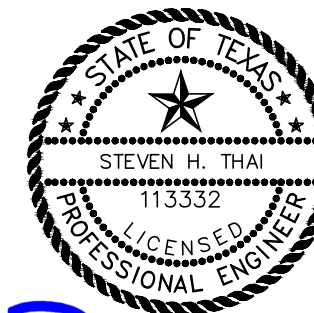
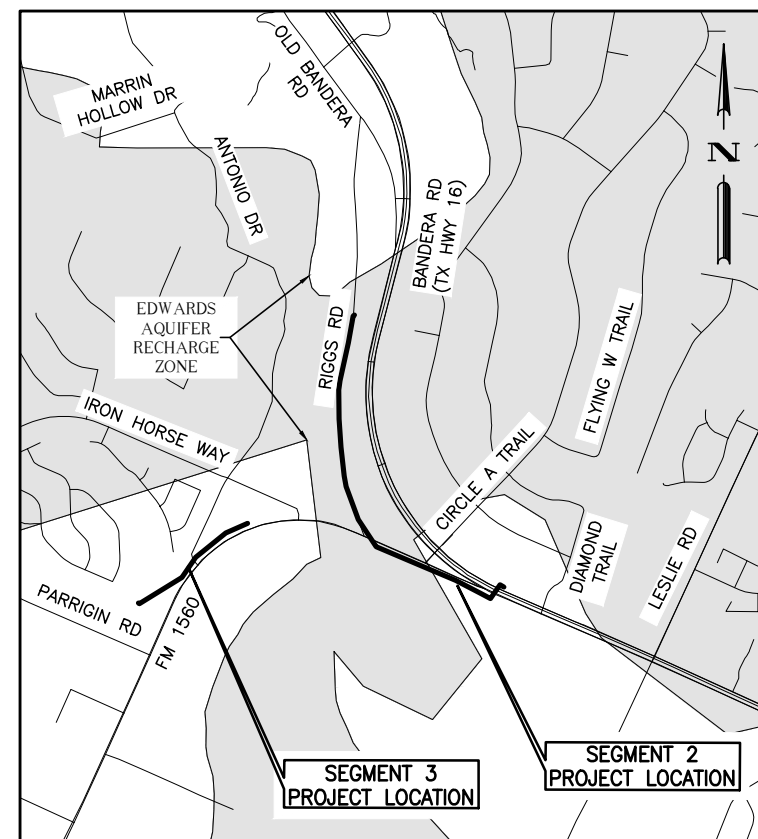
## SANITARY SEWER JOB NO. 16-4403 HELOTES CREEK GRAVITY MAIN AND LIFT STATION #246 ELIMINATION SAWS SOLICITATION NO: CO-00563



VICINITY MAP  
N.T.S.



LOCATION MAP  
N.T.S.

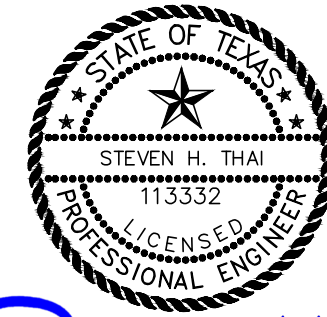


*SH* 8/1/22



SPEC NO.	UNIT DESCRIPTION	UNIT	QUANTITY
100	Intermediate Demobilization Bypass Equipment Rental	MD	3
100	Intermediate Demobilization Bypass Pumping Fuel	MD	3
100	Intermediate Demobilization Bypass Pumping Watch	MD	3
100.1	Mobilization (Maximum of 10%)	LS	1
101.1	Preparation of Right-of-Way (Maximum of 5%)	LS	1
SS102	Intermediate Demobilization and Remobilization	EA	1
102.1	Obliterating Abandoned Street (COSA Spec)	SY	1420
103.1	Remove Concrete Curb (COSA Spec)	LF	12
103.3	Remove Sidewalks and Driveways (COSA Spec)	SF	54
104	Removing Concrete (Curb) (TxDOT Spec)	LF	35
107.3	Embankment (Vehicle) (COSA Spec)	CY	475
160	Topsoil (TxDOT Spec)	SY	347
192	Mulch (TxDOT Spec)	SY	347
202.1	Prime Coat (COSA Spec)	GAL	2
203.1	Tack Coat (COSA Spec)	GAL	1286
205.2	Hot Mix Asphaltic Pavement - Type B (10" Compacted Depth) (COSA Spec)	SY	1747
205.4	Hot Mix Asphaltic Pavement - Type D (2" Compacted Depth) (COSA Spec)	SY	12844
206.1	Salvaging, Hauling, and Stockpiling Reclaimable Asphaltic Pavement (COSA Spec)	SY	2844
401	Flowable Backfill (TxDOT Spec)	CY	715
402.2	Flowable Fill (High Strength)	CY	60
500.1	Concrete Curb (COSA Spec)	LF	52
502	Barricades, Signs, and Traffic Handling (TxDOT Spec) - Segment 1	EA	1
502	Barricades, Signs, and Traffic Handling (TxDOT Spec) - Segment 2	EA	1
502	Barricades, Signs, and Traffic Handling (TxDOT Spec) - Segment 3	EA	1
502.1	Concrete Sidewalk (COSA Spec)	SY	6
515.1	Topsoil (COSA Spec)	CY	334
516.1	Bermuda Sodding (COSA Spec)	SY	1794
520.1	Hydromulching (Residential or Commercial) (COSA Spec)	SY	2906
529	Concrete Curb (TxDOT Spec)	LF	36
535.1	Hot Applied Thermoplastic Pavement Markings - 4 inch wide yellow line (COSA Spec)	LF	5918
535.2	Hot Applied Thermoplastic Pavement Markings - 4 inch wide white line (COSA Spec)	LF	6557
535.7	Hot Applied Thermoplastic Pavement Markings - 24 inch wide white line (COSA Spec)	LF	140
540	Temporary Erosion, Sedimentation and Water Pollution Prevention and Control	LS	1
550	Trench Protection	LF	7126
848	8" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi) (Open Cut) (All Depths)	LF	803
848	12" PVC Gravity Sanitary Sewer Pipe (SDR 26-2241, 160 psi) (Open Cut) (All Depths)	LF	896
848	15" PVC Gravity Sanitary Sewer Pipe (SDR 26-3034, 115 psi) (Open Cut) (All Depths)	LF	43
848	18" PVC Gravity Sanitary Sewer Pipe (SDR 26-F679, 115 psi) (Open Cut) (All Depths)	LF	4734
853	Sanitary Sewer Glass-Fiber Reinforced Polyester (FRP) Manhole (4' Dia.)	EA	32
853	Sanitary Sewer Glass-Fiber Reinforced Polyester (FRP) Manhole (5' Dia.)	EA	13
853	Sanitary Sewer Glass-Fiber Reinforced Polyester (FRP) Drop Manhole (5' Dia.)	EA	2
853	Extra Depth FRP Manholes (greater than 6')	VF	516
854	Sanitary Sewer Laterals, (SDR 26, ASTM 2241, 160 psi)	LF	1100
854	Two-Way Sanitary Sewer Clean-out	EA	16
856.1	Jack, Boring and Tunneling 24" (J,B.&T)	LF	329
856.1	Jack, Boring and Tunneling 36" (J,B.&T)	LF	4903
856.2	15" Carrier Pipe for Jacking, Boring or Tunneling	LF	329
856.2	18" Carrier Pipe for Jacking, Boring or Tunneling	LF	4903
856.3	Steel Casing (24")	LF	329
856.3	Steel Casing (36")	LF	4903
858	Concrete Encasement, Cradles, Saddles and Collars	CY	121
860	Vertical Stacks	VF	43
862	Abandonment of Sanitary Sewer Main (15" or greater)	LF	4514
865	Bypass Pumping (Small Diameter Sanitary Sewers) - Segment 1	EA	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) - Segment 2	EA	1
865	Bypass Pumping (Small Diameter Sanitary Sewers) - Segment 3	EA	1
866	Pre Sewer Main Television Inspection (6"-15")	LF	1086
866	Pre Sewer Main Television Inspection (27" and larger)	LF	2067
866	Post Sewer Main Television Inspection (6"-15")	LF	2716
866	Post Sewer Main Television Inspection (18"-24")	LF	11978
910	Manhole Rehabilitation	VF	53
6001	Portable Changing Message Board (TxDOT Spec)	EA	1
SS-01005	Lift Station #246 Decommissioning	LS	1
SS-02400	Access Shaft Excavation	EA	4
SS-02420	Tunnel Excavation	LF	2336
SS-02440	Tunnel Initial Support	LF	2336
SS-02460	18" Carrier Pipe for Tunneling	LF	2336
SC6	OPS Energy Allowance	ALW	1

BGE, INC. G:\TXDOT\Projects\SAWS\SAWS - Helotes Creek WW03\_CADD\01\_Sheets\SHIT INDEX.dwg Aug 01, 2022 2:25pm acaldoron



*SH* 8/1/22

**BGE**, Inc.  
 7330 San Pedro, Suite 202 San Antonio, Tx 78216  
 Tel: 210-581-3600 • www.bgeinc.com  
 TBPE Registration No. F-1046

ADDENDUM NO. 2	AJC	SHT	07/29/2022
No.	Revision	Drawn	Approved

**REVISIONS**

**HELOTES CREEK GRAVITY MAIN AND LS 246 ELIMINATION QUANTITY SUMMARY**

DEVELOPER: \_\_\_\_\_  
 CONT. \_\_\_\_\_ BUDGET PROJ. \_\_\_\_\_  
 SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**GENERAL CONSTRUCTION**

1. 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 PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
  - A. CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER", TAC TITLE 30 PART 1 CHAPTER 290.
  - B. CURRENT TxDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE."
  - C. CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION."
  - D. CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR CONSTRUCTION."
  - E. CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL" (UECM).
2. THE CONTRACTOR SHALL OBTAIN SAWS STANDARD DETAILS FROM SAWS WEBSITE, [HTTPS://APPS.SAWS.ORG/BUSINESS\\_CENTER/SPECS/CONSTSPECS/CONSTSPECS\\_2020/INDEX.CFM](https://apps.saws.org/business_center/specs/constspecs/constspecs_2020/index.cfm) UNLESS OTHERWISE NOTED WITHIN DESIGN PLANS.
3. THE CONTRACTOR IS TO NOTIFY AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 (DURING REGULAR SAWS WORKING HOURS), AND PROVIDE NOTIFICATION PROCEDURES THE CONTRACTOR WILL USE TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS TWO (2) WEEKS PRIOR TO EXCAVATION. OUTSIDE OF REGULAR SAWS WORKING HOURS THE SAWS EOC SHOULD BE CONTACTED AT 210-704-7297.
4. IF NECESSARY, CONTRACTOR WILL COORDINATE USE OF SAWS PREMISES AT NO ADDITIONAL COST TO SAWS. SUCH EFFORTS INCLUDE, BUT ARE NOT LIMITED TO, OBTAINING SECURITY IDENTIFICATION BADGES REQUIRED FOR ACCESS TO SAWS FACILITIES.
5. LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. AS-BUILTS FOR SAWS INFRASTRUCTURE CAN BE OBTAINED AT WEBSITE BELOW. CONTRACTOR SHALL COORDINATE PHYSICAL LOCATES FOR SAWS INFRASTRUCTURE THROUGH THE SAWS INSPECTOR. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS INFRASTRUCTURE. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:
 

SAN ANTONIO WATER SYSTEM:  
 REQUEST AS-BUILTS: [HTTPS://WWW.SAWS.ORG/SERVICE/LOCATES-SERVICE/](https://www.saws.org/service/locates-service/)

COSA DRAINAGE 210-206-8433  
 COSA TRAFFIC SIGNAL OPERATIONS 210-207-7720  
 TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005 OR 811
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION AS A RESULT OF DAMAGES DONE BY THE PROJECT'S CONSTRUCTION.
8. CONTRACTOR SHALL NOT MAKE USE OF DUMPSTERS OR WASTE BINS THAT ARE INTENDED TO SERVE RESIDENTS AND/OR BUSINESSES.
9. ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION AND BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT.
10. THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
11. ALL WORK WITHIN THE 100-YEAR FLOODPLAIN SHALL BE DONE IN ACCORDANCE WITH FLOODPLAIN DEVELOPMENT PERMIT.
12. ANY WORK COMPLETED WITHOUT PRIOR WRITTEN AUTHORIZATION WHICH IS NOT INCLUDED IN THESE PLANS AND SPECIFICATIONS WILL NOT BE COMPENSATED BY THE SAN ANTONIO WATER SYSTEM.
13. HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS.
 

WEEKEND WORK: CONTRACTORS ARE REQUIRED TO SUBMIT REQUEST TO THE SAWS INSPECTION CONSTRUCTION DEPARTMENT BY 12:00PM ON THE WEDNESDAY PRIOR TO THE WEEKEND BEING REQUESTED. REQUEST SHOULD BE SENT TO [CONSTWORKREQ@SAWS.ORG](mailto:CONSTWORKREQ@SAWS.ORG).

ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION AT NO COST TO SAWS.
14. PRE-CON SITE VIDEO: BEFORE THE START OF ANY CONSTRUCTION, THE SITE MUST BE VIDEO RECORDED BY THE CONTRACTOR WITH ONE COPY SUBMITTED TO SAWS INSPECTIONS. A PRE-SITE VIDEO WILL PROVIDE ACCURATE DOCUMENTATION OF THE EXISTING CONDITIONS (NSPI).
15. POWER POLE BRACING: CONTRACTORS SHOULD BE ADVISED THAT THERE ARE EXISTING OVERHEAD UTILITY POLES ALONG THE PROJECT CORRIDOR. CONTRACTORS SHOULD FURTHER BE ADVISED THAT IF THE DISTANCE FROM THE OUTSIDE FACE OF A UTILITY TRENCH TO THE FACE OF A UTILITY POLE IS LESS THAN 5 FEET, SAID UTILITY POLE IS SUBJECT TO BRACING, BASED ON A DETERMINATION MADE BY UTILITY POLE OWNER. COSTS INCURRED BY CONTRACTOR FOR BRACING OF THESE UTILITY POLES IS SUBSIDIARY TO THAT RESPECTIVE UTILITY COMPANY'S WORK. IT IS ADVISABLE FOR THE CONTRACTOR TO REVIEW THE CONSTRUCTION DOCUMENTS, AND VISIT THE CONSTRUCTION SITE TO DETERMINE POTENTIAL IMPACTS.
16. CONSTRUCTION SEQUENCING: IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SCHEDULE SEQUENCING FOR REMOVAL AND INSTALLATION OF EXISTING AND PROPOSED SAWS UTILITIES IN CONJUNCTION WITH GENERAL PROJECT CONSTRUCTION. SEQUENCE OF CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED IN ORDER TO MINIMIZE THE EXTENT AND DURATION OF DISTURBANCES.
17. CONTRACTOR SHALL COMPLY WITH APPLICABLE REGULATIONS INCLUDING, BUT NOT LIMITED TO, THOSE OVERSEEN BY THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). OSHA INFORMATION AND RELATED MATERIALS MAY BE OBTAINED AT [HTTPS://WWW.OSHA.GOV/](https://www.osha.gov/) OR AT THE OSHA SAN ANTONIO OFFICE LOCATED AT FOUNTAINHEAD TOWER, SUITE 605 8200 W. INTERSTATE 10 SAN ANTONIO, TX 78230 WHICH IS ALSO REACHABLE BY PHONE AT (210) 472-5040.
18. 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 SITE(S) WITHIN THE PROJECT WORK AREAS IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLIES WITH, AS A MINIMUM, OSHA 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 OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

**WATER**

19. PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS INSPECTION AND/OR SAWS PRODUCTION GROUPS AT LEAST TWO WEEKS OR MORE IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY. SAWS PRODUCTION CONTROL CENTER 210-233-2016

20. ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), MAYBE 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 ITEM NO. 3000, "HANDLING ASBESTOS CEMENT PIPE".

AC PIPE REMOVED ON CONSTRUCTION PROJECTS FOR TIE-IN(S) SHOULD BE IN LENGTH OF 26 LINEAR FEET (LF). LENGTHS OF 13 LF SHOULD BE REMOVED WHERE AC PIPE IS BEING REMOVED AND CROSSING PIPES, CONDUITS, OR BOXES.

21. VALVE REMOVAL: WHERE THE CONTRACTOR IS TO ABANDON A WATER MAIN, THE CONTROL VALVE LOCATED ON THE ABANDONING BRANCH WILL BE REMOVED AND REPLACED WITH A CAP/PLUG. (NSPI)

22. DIVISION VALVES: DIVISION VALVES SHOWN ON PLANS OR NOT SHOWN ON PLANS BUT FOUND IN THE FIELD SHALL ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF AND ONLY WITH PRIOR WRITTEN APPROVAL OF THE SAWS DIRECTOR OF PRODUCTION AND OPERATIONS AND PROPER COORDINATION WITH ALL SAWS DEPARTMENTS. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE INSPECTOR A MINIMUM OF TWO WEEKS IN ADVANCE TO START THE COORDINATION PROCESS AND WILL BE INFORMED BY THE INSPECTOR WHEN THE DIVISION VALVE WILL BE OPERATED BY THE SAWS DISTRIBUTION AND COLLECTION STAFF. THE DIVISION VALVE CAN ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF MEMBER NOT THE INSPECTOR OR THE CONTRACTOR. OPERATION OF A DIVISION VALVE WITHOUT THE EXPRESS PRIOR WRITTEN APPROVAL OF THE SAWS DISTRIBUTION AND COLLECTION STAFF WILL CONSTITUTE A MATERIAL BREACH OF ANY WRITTEN SAWS CONTRACT OR PERMIT IN ADDITION TO SUBJECTING THE CONTRACTOR TO LIABILITY FOR ANY AND ALL FINES, FEES, OR OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, THAT MAY ARISE FROM OR BE CAUSED BY THE OPERATION OF THE VALVE WITHOUT PRIOR WRITTEN PERMISSION. PLEASE BE INFORMED THAT THE APPROVAL OF THE OPERATION OR OPENING OR CLOSING OF A DIVISION VALVE CAN TAKE SEVERAL WEEKS FOR APPROVAL. DIVISION VALVES WILL ALSO HAVE A VALVE LID LABELED DIVISION VALVE AND A LOCKING MECHANISM INSTALLED WITH A KEY. THE LOCK AND KEY MECHANISM WILL BE PAID FOR BY THE CONTRACTOR BUT WILL BE INSTALLED BY SAWS DISTRIBUTION AND COLLECTION STAFF.

**SEWER**

23. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR, THE CONTRACTOR SHALL:

- A. IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER (EOC) IMMEDIATELY AT 210-704-SAWS (210-704-7297). PROVIDE THE ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OR FLOW.
- B. ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
- C. CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS.
- D. CLEAN UP SPILL SITE (RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE) AND PROPERLY DISPOSE OF CONTAMINATED SOIL/MATERIALS.
- E. CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
- F. MEET ALL POST-SSO REQUIREMENTS AS PER THE EPA CONSENT DECREE, INCLUDING LINE CLEANING AND TELEVISIONING THE AFFECTED SEWER MAINS (AT SAWS DIRECTION) WITHIN 24 HOURS.

SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND TO SAWS SATISFACTION, THEY WILL BE RESPONSIBLE FOR ALL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM EPA.

NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TCEQ AND SAWS.

24. THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING OF SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH SAWS STANDARD SPECIFICATION ITEM NO. 865, "BYPASS PUMPING SMALL DIAMETER SANITARY SEWERS" AND STANDARD SPECIFICATION ITEM NO. 864-S2, "BYPASS PUMPING LARGE DIAMETER SANITARY SEWERS" AS APPLICABLE. PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE APPROPRIATE BID ITEM ASSOCIATED WITH SANITARY SEWER BYPASS PUMPING IN ACCORDANCE WITH SAWS STANDARD SPECIFICATIONS 865 AND 864-S2.

25. PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FORCE MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 210-233-3500 AND/OR SAWS PRODUCTION GROUPS AT LEAST TWO WEEKS OR MORE IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS; THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.

26. ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR TOP OF MANHOLES TO MATCH THE FINISHED GRADE OF THE PROJECT'S IMPROVEMENTS (NSPI).

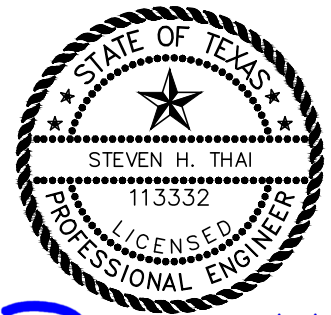
27. MANHOLE REMOVAL: WHERE EXISTING MANHOLES ARE TO BE REPLACED BY THE CONTRACTOR, THE EXISTING MANHOLES SHALL BE REMOVED. (NSPI)

28. SMART MANHOLE COVERS: THE CONTRACTOR SHALL NOTIFY SAWS EOC AT 210-704-SAWS (210-233-7297) AND EITHER AMERICA ESPINOZA AT 210-233-2934 OR JOSE A. MARTINEZ AT 210-233-3071 A MINIMUM OF 72 HOURS, NOT COUNTING WEEKENDS OR SAWS HOLIDAYS, BEFORE WORKING ON THE PIPE OR MANHOLE, IN ORDER TO HAVE SAWS REMOVE THE SMART COVER. ANY DAMAGE DONE TO THE SMART COVER WILL BE CHARGED TO THE CONTRACTOR THROUGH A CHANGE ORDER.

29. FLOW METERS IN MANHOLES: THE CONTRACTOR SHALL NOTIFY BOBBY JOHNSON AT 210-233-3493 OR ABEL BORUNDA AT 210-233-3704 A MINIMUM OF 72 HOURS, NOT COUNTING WEEKENDS OR SAWS HOLIDAYS, BEFORE WORKING ON THE PIPE OR MANHOLE, IN ORDER TO HAVE SAWS REMOVE THE FLOW METER IN THE MANHOLE. ANY DAMAGE DONE TO THE FLOW METER WILL BE CHARGED TO THE CONTRACTOR THROUGH A CHANGE ORDER.

**ADDITIONAL NOTES:**

1. FOR MILL AND OVERLAY AREAS, CONTRACTOR SHALL RESTORE STRIPING AND PAVEMENT MARKINGS TO MATCH EXISTING.



*SH* 8/1/22

**BGE** BGE, Inc.  
 7330 San Pedro, Suite 202, San Antonio, TX 78216  
 Tel: 210-581-3600 • [www.bgeinc.com](http://www.bgeinc.com)  
 TBPE Registration No. F-1046

ADDENDUM NO. 2	AJC	SHT	07/29/2022
No.	Revision	Drawn	Approved
REVISIONS			

**HELOTES CREEK  
 GRAVITY MAIN AND  
 LS 246 ELIMINATION  
 SAWS GENERAL  
 CONSTRUCTION NOTES**

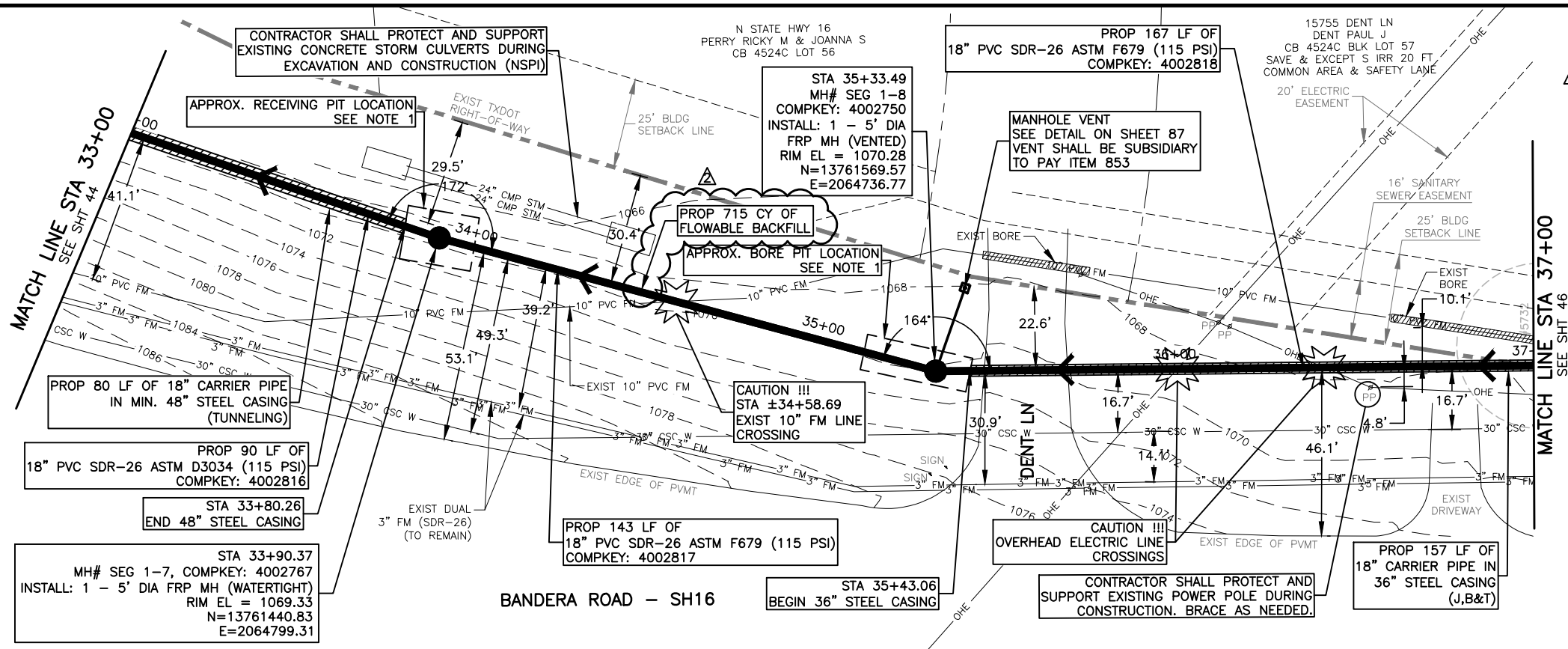
DEVELOPER:  
 CONT. BUDGET PROJ.

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

MAP No.	092640, 094640, 094638, 096636,	SHEET
SECT. No.	096634, 098628	4
DR.	AND 098634	
CK.	JOB No. 16-4403	Of 103





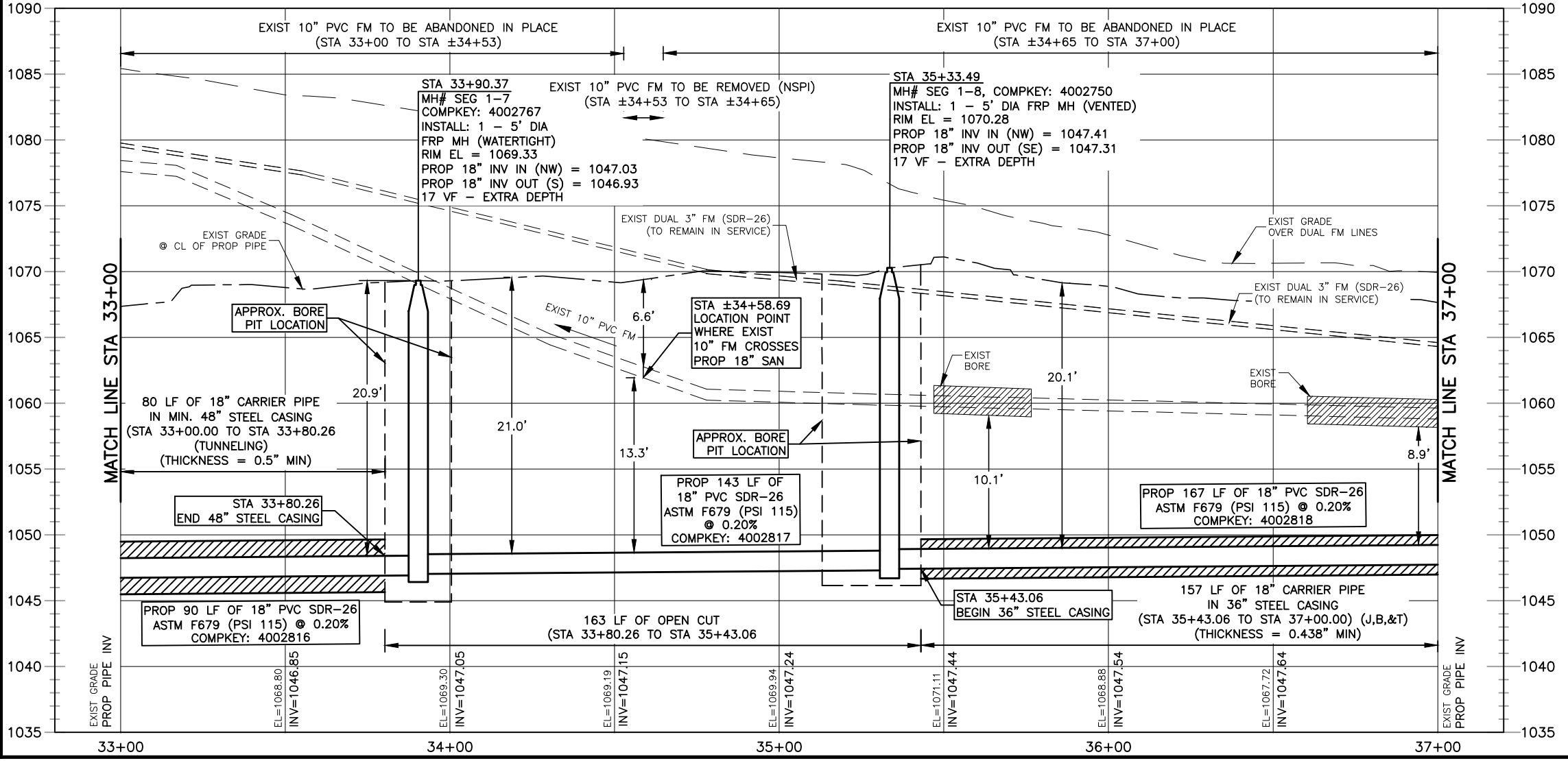
SPEC NO.	UNIT DESCRIPTION	UNIT	QUANTITY
160	Topsoil (TxDOT Spec)	SY	133
192	Match (MDOJ Spec)	SY	133
401	Flowable Backfill (TxDOT Spec)	CY	715
500	Touch Protection	LF	163
848	18" PVC Gravity Sanitary Sewer Pipe (SDR 26-F679, 115 psi) (Open Cut) (All Depths)	LF	163
853	Sanitary Sewer Glass-Fiber Reinforced Polyester (FRP) Manhole (5' Dia.)	EA	2
853	Extra Depth FRP Manholes (greater than 6')	VF	34
856.1	Jack, Boring and Tunneling 36" (J,B,&T)	LF	157
856.2	18" Carrier Pipe for Jacking, Boring or Tunneling	LF	157
856.3	Steel Casing (36")	LF	157
866	Post Sewer Main Television Inspection (18"-24")	LF	400
SS-02400	Access Shaft Excavation	EA	1
SS-02420	Tunnel Excavation	LF	80
SS-02440	Tunnel Initial Support	LF	80
SS-02450	18" Carrier Pipe for Tunneling	LF	80

NOTE:

- BORE PITS ARE SHOWN FOR GENERAL ESTIMATION OF WORKING AREA ONLY. CONTRACTOR SHALL PROTECT AND SUPPORT UTILITIES AFFECTED BY BORE PIT CONSTRUCTION. EXCAVATION OF PITS IS NOT A SEPARATE PAY ITEM, AND IS TO BE INCLUDED IN THE PRICE FOR TUNNELING OR JACKING, BORING, & TUNNELING.
- REFER TO PROJECT SPECIAL SPECIFICATIONS, GEOTECHNICAL BASELINE REPORT (GBR), AND GEOTECHNICAL DATA REPORT (GDR) FOR TUNNEL EXCAVATION REQUIREMENTS, BASELINE GROUND CONDITIONS, AND ADDITIONAL GEOTECHNICAL DATA.

**CAUTION !!!**  
EXISTING  
UNDERGROUND GAS AND  
OVERHEAD ELECTRIC LINES.

### SEGMENT 1 - 18" PVC SANITARY SEWER LINE A



0 10' 20' 30' 40'

SCALE: 1" = 40' HORIZ

0 5' 10'

SCALE: 1" = 10' VERT

STH

8/1/22

LEGEND			
EXIST. SANITARY SEWER MAIN	8" CP SA		
EXIST. WATER MAIN	6" CI W		
STORM SEWER	24" STM		
GAS MAIN	2" G		
POWER POLE	2" P		
OVERHEAD ELECTRIC	OHE		
UNDERGROUND ELECTRIC	UE		
UNDERGROUND TELEPHONE	UT		
FIBER OPTIC	FO		
PROP. SANITARY SEWER	18" PVC SDR-26		
PROP. SANITARY SEWER MANHOLE	5' DIA FRP		
PROP. SEWER SERVICE & CLEANOUT	4" DIA		
STEEL ENCASUREMENT	36" STEEL CASING		
2" MILL AND 2" TYPE D ASPHALT			
5-YR FLOODPLAIN			
100-YR FLOODPLAIN			
FLOWABLE FILL/CONC			
BORE TEST HOLE LOCATION			
UTILITY CROSSING			
EXIST RIGHT-OF-WAY			
CREEK			

**BGE, Inc.**  
7330 San Pedro, Suite 202, San Antonio, TX 78216  
Tel: 210-581-3600 • www.bgeinc.com  
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REVISIONS			
No.	Revision	Drawn	Approved

**HELOTES CREEK GRAVITY MAIN AND LS 246 ELIMINATION SEGMENT 1 SANITARY SEWER - LINE A STA 33+00 TO 37+00**

DEVELOPER: \_\_\_\_\_

CONT. \_\_\_\_\_ BUDGET PROJ. \_\_\_\_\_

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

MAP No. 092640, 094640, 094638, 096636, 096634, 098628 AND 098634

DR. \_\_\_\_\_ CK. \_\_\_\_\_

BGE, INC. S:\TXDOT\Projects\SAVINGS\SAVINGS - Helotes Creek\W\03\_CADD\01\_Sheets\14\_FNP\_11.dwg Aug 01, 2022 2:28pm acalldrom