



**2020 Dead End Water Main Elimination Project**  
**Solicitation Number: CO-00411**  
**Job No.: 20-4001**

**ADDENDUM #1**  
**May 20, 2021**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specification and 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 bid proposal.

<b>RESPONSES TO QUESTIONS</b>
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**1. Question:** I am checking in on the 2020 Dead End Water Main Elimination Project that has bids due on 6/4/2021. Are there any union requirements for this project?

*Response:* There are no union requirements for this project.

**2. Question:** Please clarify on the bid items for Site 2, bid item 240 hours is this for a policeman? One or two? If not, what is it to be paid for?

*Response:* The TXDOT Bid Item 502 is for law enforcement personnel with patrol vehicle.  
For one policeman: 8 hrs per day x 30 days of construction = 240 hrs

**3. Question:** Special Condition SC3 requires a 7 day notification by electronic message board before any work occurs to remain in place throughout the work. Only Site 2 has a bid item for this (bid item 40). Is it the intent for message board to be required for all 12 sites? If yes, will the appropriate bid item be added to all 12 sites?

*Response:* The message board is only intended for Site 2 due to the close proximity of I-410, required trench excavation along the existing edge of pavement, and the average daily traffic volume of Spur 122 (S. Presa St.) at that location.

**4. Question:** On Site 11, bid item 175, please clarify the limits of the bid item and give a detail of this proposed work.

*Response:* The proposed water alignment at Station 10+00 begins underneath a sidewalk and crosswalk ramp. Item 175 – Cast in Place Detectable Warning Surface Tile was included in the Bid Proposal in case it is damaged by trench excavation during construction.



**5. Question:** Is this project being bid under the newest SAWS 2020 specifications for material and installation?

*Response:* The project is being bid under the SAWS 2021 specifications per SAWS direction.

**6. Question:** There are stipulated cost in the bid documents for CPS Energy Gas Line Inspections as follow:

**Bid Item 17 \$15,000.00**

**Bid Item 39 \$23,000.00**

**Bid Item 76 \$5,000.00**

**Bid Item 123 \$2,000.00**

**Total of \$50,000.00 (Which will be included in the grand total of bid items 1-203)**

**There is a separate bid item of \$50,000.00 in Bid Item 204 which this amount will be included in the Total Bid Price Line Items 1-208. Please clarify if the Owner's intent is to have \$100,000.00 in stipulated cost in the total bid package for CPS Inspection or if this was inadvertently duplicated.**

*Response:* The Owner's intent is to have \$100,000.00 in total cost associated with CPS Energy services. Bid item 204 is the allowance for any other work that may be required beyond what was included in the Bid Documents.

**7. Question:** Please clarify if Note 7E on plan sheet 4 "The contractor shall have an additional crew on stand by for each tie-in specified in the notes/specs at no additional expense to SAWS". Does this apply to any of the tie-ins on this project and if yes, please specify which tie-ins it applies to. I have never seen this note before.

*Response:* This note does not apply to any of the tie-ins on this project, therefore, this note will be omitted.

**8. Question:** Regarding the above referenced project bid item No. 22 Barricades, Signs and Traffic Handling has a quantity of 240 in HR units. Plan Sheet 20 of 70 has a bid item list that includes bid item No. 22 with quantity of 1 each. Please confirm if item No. 22 in the bid proposal is to have a quantity of 1 EA.

*Response:* The quantity for item No. 22 in the Bid Proposal is 240 in HR units. Change to the Item 502 in the quantity table located on Sheet 20 of 70 will be updated to reflect bid item No. 22 (240 HR units).

**9. Question:** Will the contractor be responsible for City of San Antonio street permits and associated City of San Antonio inspection fees?

*Response:* Yes, the contractor is responsible for City of San Antonio street permits and associated City of San Antonio inspection fees.



**CHANGES TO THE PLANS**

1. Plan Sheet 4 of 70: Delete the Note 7E under Tie-in, Shutdown & Sequencing Notes.
2. Plan Sheet 20 of 70: Replace Item No. 502 in the quantity table as 240 in HR units.

The remaining plan sheets shall remain the same.

**END OF ADDENDUM #1**

This Addendum is five (5) pages in its entirety, with attachments.



**GENERAL NOTES:**

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\\_2020/INDEX.CFM](https://apps.saws.org/business_center/specs/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 72 HOURS PRIOR TO EXCAVATION. OUTSIDE OF REGULAR SAWS WORKING HOURS THE SAWS EOC SHOULD BE CONTACTED AT 210-704-7297.
4. 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 AT LEAST 1 WEEK 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.
5. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACILITIES. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:
 

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

COSA DRAINAGE 210-207-8048  
COSA TRAFFIC SIGNAL OPERATIONS 210-207-7720  
TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005 OR 811
6. 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.
7. ALL WORK IN TEXAS HIGHWAY DEPARTMENT AND BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT.
8. THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
9. THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.
10. 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.
11. HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO [CONSTWORKREQ@SAWS.ORG](mailto:CONSTWORKREQ@SAWS.ORG).  
WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK. REQUESTS SHALL BE SENT TO [CONSTWORKREQ@SAWS.ORG](mailto:CONSTWORKREQ@SAWS.ORG).  
ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION.
12. 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)

13. 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.
14. CONSTRUCTION SEQUENCING: IT IS THE CONTRACTOR 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.

**WATER SECTION:**

15. 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 ONE WEEK 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
16. ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), MAY BE 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".
17. 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).

**SEWER SECTION:**

18. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL 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 ISTE (RETURN CONTAINED SEWAGE TO 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 SEPERATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TCEQ AND SAWS.

**DEWATERING:**

1. FOR THE ENTIRE DURATION OF THE CONTRACT, AT THE CONTRACTOR'S EXPENSE, SHALL KEEP ALL PARTS OF THE PROJECT SITE, INCLUDING EXCAVATIONS, FREE FROM ANY ACCUMULATION OF WATER, REGARDLESS OF THE SOURCE OR CAUSE OFF SUCH WATER. BY ADEQUATE TRENCHING AND PUMPING AS REQUIRED.
2. PUMPING SHALL INCLUDE ADEQUATE PUMPS, HOSE STRAINERS, AND OTHER APPURTENANCES, FUEL, POWER, TRENCHING, EROSION CONTROL FACILITIES, AND PUMPING AS REQUIRED.
3. WATER SHALL BE DISPOSED OF IN SUCH A MANNER AS WILL NOT ENDANGER PUBLIC HEALTH OR CAUSE DAMAGE OR EXPENSE TO PUBLIC OR PRIVATE PROPERTY, AND IN ACCORDANCE WITH THE REQUIREMENTS OF ANY PUBLIC AGENCIES HAVING JURISDICTION. IF SEWERS AND STREETS ARE USED FOR DRAINAGE OR THE DISPOSAL OF WATER DURING CONSTRUCTION, THEY SHALL BE MAINTAINED AND LEFT SATISFACTORILY CLEAN UPON THE COMPLETION OF THE WORK.



**TIE-IN, SHUTDOWN & SEQUENCING NOTES:**

1. THE CONTRACTOR SHALL BECOME FAMILIAR WITH SAWS' REQUIREMENTS FOR WATER MAIN SHUTDOWNS, AS DISCUSSED HEREIN. THE CONTRACTOR SHALL BE AWARE THAT WATER MAINS WITHIN THE PROJECT LIMITS ARE EXTREMELY CRITICAL TO THE AREA AND SHUTDOWNS, EXTENDING BEYOND WHAT IS SPECIFIED, POSE A PUBLIC SAFETY RISK.
2. WORK SHALL BE EXECUTED IN SUCH FAMILIAR THAT THE EXISTING SAWS INFRASTRUCTURE MAY BE KEPT IN CONTINUOUS OPERATION OR REDINESS EXCEPT FOR SCHEDULED SHUTDOWNS. EXISTING SAWS INFRASTRUCTURE SHALL BE KEPT IN OPERATION SPECIFICALLY PERMITTED IN THE SPECIFICATIONS OR APPROVED BY SAWS. EXISTING WATER MAINS ARE TO REMAIN ACTIVE UNTIL PROPOSED MAINS ARE CONSTRUCTED, TESTED, AND APPROVED BY SAWS.
3. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL TIE-INS, SERVICES, AND CROSSINGS PRIOR TO CONSTRUCTION. EXISTING WATER SERVICE LINES CROSSING PROPOSED CONSTRUCTION TO BE LOCATED AND ANY TEMPORARY MEASURES REQUIRED TO MAINTAIN SERVICE DURING CONSTRUCTION SHALL BE IDENTIFIED PRIOR TO COMENCING WORK (NSPI).
4. THE CONTRACTOR SHALL COORDINATE WITH BUSINESSES AFFECTED BY SHUT-DOWNS AT LEAST FOURTEEN (14) CALENDAR DAYS PRIOR TO SHUTDOWNS TAKING PLACE. FOR LOCATIONS WHERE FIRE PROTECTION MAY BE IMPACTED, THE CONTRACTOR SHALL ENSURE CONTINUOUS FIRE PROTECTION IS PROVIDED DURING TIE-INS. CLOSE COORDINATION WITH THE FIRE MARSHALL SHALL TAKE PLACE PRIOR TO ANY SHUT-DOWNS IMPACTING FIRE PROTECTION.
5. THE CONTRACTOR SHALL SHEDULE SHUTDOWNS WITH THE SAWS INSPECTOR AT LEAST FOURTEEN (14) CALENDAR DAYS IN ADVANCE. SHUTDOWNS SHALL BE PERFORMED AT OFF-PEAK HOURS AND, IN SOME CASES (IF SPECIFIED IN THE PLANS OR SPECIFICATIONS), IS RECOMMENDED DURING OFF-PEAK SEASON (NOVEMBER-MARCH).THERE WILL BE NO ADDITIONAL COMPENSATION FOR WORK PERFORMED DURING OFF-PEAK HOURS OR OFF-PEAK SEASON.
6. SAWS RESERVES THE RIGHT TO CANCEL SCHEDULED SHUTDOWNS, IF CONDITIONS WARRANT, AT NO ADDITIONAL EXPENSE TO SAWS. THE INTENT IS TO NOT CANCEL SCHEDULED SHUTDOWNS, HOWEVER, WATER MAINS WITHIN PROJECT LIMITS ARE EXTREMELY CRITICAL TO MAINTAIN WATER SERVICE IN THE AREA, AND UNFORSEEN CONDITIONS MAY WARRANT SHUTDOWNS TO BE RESCHEDULED.
7. THE FOLLOWING IS A LIST OF SHUTDOWN PLANNING AND COORDINATION PROCEDURES. IT IS INTENDED TO BE USED AS A GUIDE TO PREPARE THE REQUIRED SHUTDOWN AND SEQUENCING SCHEDULE:

- A. THE CONTRACTOR SHALL SUBMIT A PLAN CONSISTING OF CONSTRUCTION SEQUENCE, TIME SCHEDULE, DETAILS OF LABOR, EQUIPMENT, MATERIAL AVAILABLE, DEWATERING LAN, TEMPORARY WATER MAINS, AND CONTINGENCY PLANS FOR WORK TO BE PERFORMED DURING EACH SHUT-DOWN, TO SAWS FOR APPROVAL. THE PLAN SHALL DEMONSTRATE THE CONTRACTOR'S ABILITY TO MEET THE TIME LIMITATIONS. MEETINGS MAY BE REQUIRED AND WILL BE REQUESTED AT SAWS' OR THE CONTRACTORS REQUEST TO DISCUSS SHUTDOWNPLANS, CONSTRUCTION SCHEDULING DURING SHUTDOWNS, AND CONTINGENCY PLANS.
- B. SIMULTANEOUS SHUTDOWNS OF MORE THAN ONE FACILITY, EXCEPT AS SPECIFICALLY INDICATED, WILL NOT BE PERMITTED.
- C. ALL EQUIPMENT AND SUPPLIES REQUIRED TO COMPLETE THE WORK DURING EACH SHUTDOWN PERIOD SHALL BE ON SITE BEFORE ANY FACILITIES ARE TAKEN OUT OF SERVICES.
- D. THE CONTRACTOR SHALL MAKE ALL PREPARATIONS AT THE TIE-IN LOCATIONS PRIOR TO SHUTDOWNS OCCURING IN ORDER TO MINIMIZE THE LENGTH OF SHUTDOWNS.
- E. OPERATION OF ALL EXISTING BUTTERFLY VALVES AN GATE VALVES INCLUDING DIVISION VALVES, REQUIRED FOR COMPLETION OF THE WORK SHALL BE PERFORMED BY SAWS.
- F. TEMPORARY WATER MAINS, IF SPECIFIED IN THE CONSTRUCTION DOCUMENTS, SHALL BE INSTALLED, TESTED, AND APPROVED BY SAWS INSPECTOR PRIOR TO SHUTDOWNS TAKING PLACE.
- G. IF THE WORK INTENDED TO BE DONE DURING SHUTDOWN PERIODS IS NOT DONE SATISFACTORILY, OR AS PLANNED OR WITHIN THE TIME REQUIRED OR APPROVED BY SAWS, SAWS MAY ORDER THE CONTRACTOR TO PLACE THE FACILITY BACK IN SERVICE AND RESCHEDULE THE SHUTDOWN OR, MAY ORDER THE WORK REQUIRED TO PLACE THE FACILITY BACK IN SERVICE TO BE DONE WITH OTHER FORCES. IF THE WORK IS DONE BY OTHER FORCES, THE OWNER'S COSTS WILL BE DEDUCTED FROM THE AMOUNTS DUE TO THE CONTRACTOR. IN NO CASE SHALL SAWS BE REQUIRED TO MAKE ADDITIONAL PAYMENTS FOR OVER-TIME WORK OR REDOING THE WORK DUE TO THE CONTRACTOR'S FAILURE TO COMPLETE THE WORK IN THE ALLOTTED TIME. THE INTENT IS FOR THE CONTRACTOR TO COMPLETE THE WORK, HOWEVER, THE WATER MAINS WITHIN THE PROJECT LIMITS ARE EXTREMELY CRITICAL AND ANY SHUT-DOWNS EXTENDING BEYOND WHAT IS SPECIFIED POSES A PUBLIC SAFETY RISK.



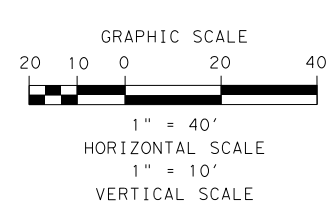
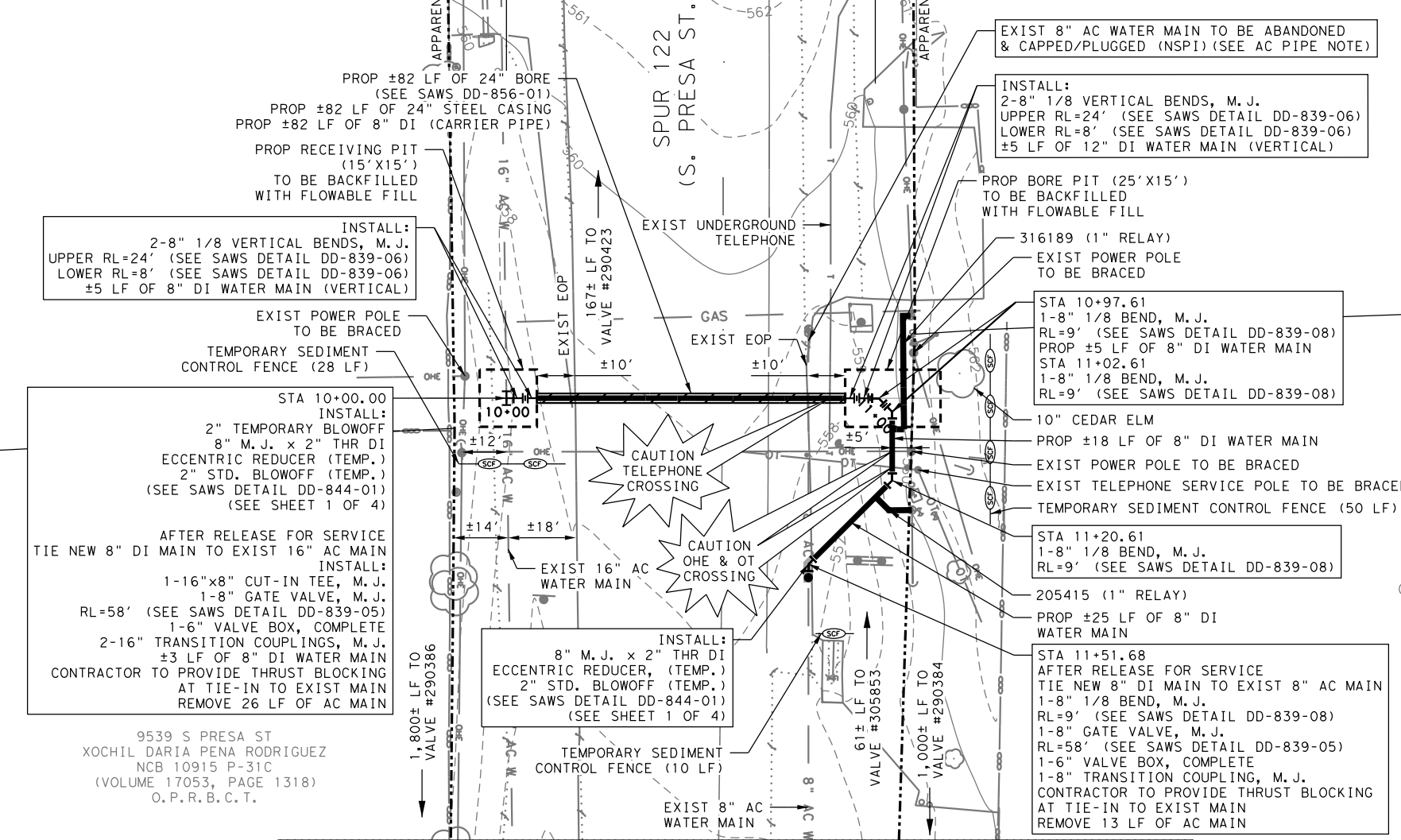
100% SUBMITTAL

 4800 FREDERICKSBURG RD SUITE 200SL SAN ANTONIO, TX 78229 P-210-238-3400 F-210-238-0601 TBP# #21809 TBP#L# #1019422				
1	REMOVED NOTE & CHANGED LETTERS	HH	AG	5/20
No.	Revision	Drawn	Approved	Date
REVISIONS				
 DEAD END MAIN ELIMINATION GENERAL NOTES SHEET 1 OF 2				
DEVELOPER:				
CONT.		BUDGET PROJ.		
SUBMITTED _____				
APPROVED _____				
MAP No. _____				SHEET 4
SECT. No. _____				
DR. <b>DHH</b>	CK. MWT	JOB No. 20-4001		OF 70



SE LOOP 410  
 ABASTO PROPERTIES LLC  
 NCB 10915 BLK 3 LOT NE IRR 274.65 FT OF 6  
 (VOLUME 17706, PAGE 1534)  
 O. P. R. B. C. T.

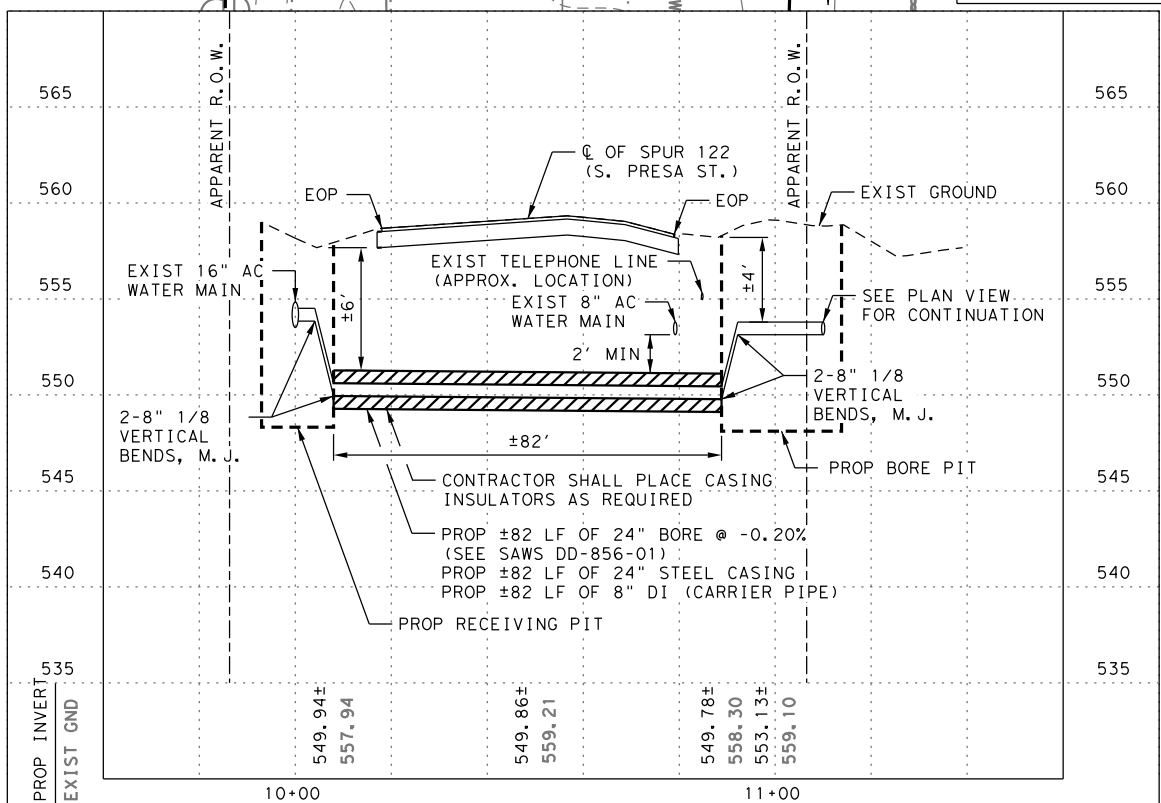
9520 S PRESA ST  
 RRRRSH SAN ANTONIO LLC  
 NCB 10914 P-7  
 (VOLUME 18917, PAGE 2028)  
 O. P. R. B. C. T.



ITEM NO	DESCRIPTION	UNIT	QTY
205.4	HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED)	SY	6
206.1	ASPHALT TREATED BASE (ATB) (10" COMPACTED DEPTH)	SY	8
208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH)	SY	6
413.1	FLOWABLE BACKFILL (LOW STRENGTH)	CY	232
502	BARRICADES, SIGNS AND TRAFFIC HANDLING (TXDOT SPEC)	HR	240
516.1	BERMUDA SODDING (COSA SPEC)	SY	8
540.9	TEMPORARY SEDIMENT CONTROL FENCE (COSA SPEC)	LF	88
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	70
814	8" DUCTILE IRON PIPE (OPEN CUT)	LF	70
824	RELAY 1" SHORT SERVICE	EA	2
828	8" GATE VALVE, M.J. W/BOX, COMPLETE	EA	2
831	16"x8" CUT-IN TEE (COMPLETE)	EA	1
836	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.44
840	8" WATER TIE-IN	EA	1
844	2" (TEMPORARY) BLOW-OFF ASSEMBLY	EA	2
856	24" JACK, BORE, OR TUNNELING	LF	82
856	8" CARRIER PIPE	LF	82
856	24" STEEL CASING	LF	82
3000	REMOVAL, TRANSPORTATION AND DISPOSAL OF VARIOUS SIZES OF AC PIPE	LF	39
6001	PORTABLE CHANGEABLE MESSAGE SIGN (TXDOT SPEC)	EA	2

NOTES:  
 1. REFER TO TRENCH BACKFILL DETAIL WHEN OPEN-CUTTING OF PAVEMENT IS ALLOWED (SHEET 68 OF 70) FOR BACKFILL DETAILS.

9530 S US HWY 181  
 STATE OF TEXAS  
 NCB 10914 BLK LOT 28  
 (VOLUME 8037, PAGE 1285)  
 O. P. R. B. C. T.

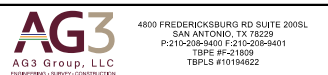


**LEGEND**

- PROP. WATER MAIN
- EXIST. WATER MAIN
- GAS MAIN
- SANITARY SEWER
- STORM SEWER
- UTILITY POLE LINE
- ELECTRIC CABLE
- TELEPHONE CABLE
- FIBER DATA CABLE
- DUAL BRANCH SERV.
- PAVEMENT RESTORATION
- TEMPORARY SEDIMENT CONTROL FENCE
- 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
- RELAY METER
- NEW SERVICE:
- 3/4"
- 1" OR LARGER



100% SUBMITTAL



No.	Revision	HH	AG	Date
1	CHANGED UNIT & QUANTITY			5/20/21

**REVISIONS**

DEAD END MAIN ELIMINATION  
 SITE 2 - WATER PLAN

DEVELOPER:  
 CONT. BUDGET PROJ.

SUBMITTED  
 APPROVED

MAP No.  
 SECT. No.  
 DR. AR CK. MWT

JOB No. 20-4001

SHEET 20 OF 70