

**SAN ANTONIO WATER SYSTEM  
2013 SMALL DIAMETER REHAB PROGRAM – PROJECT 7  
SAWS JOB NO. 13-4814  
SAWS SOLICITATION NO. B-13-CD-054-DD**

ADDENDUM NO. 1  
October 22, 2013

This addendum, applicable to work designed above, is an amendment to the bidding and specification documents and as such shall be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the addendum number and issue date in the spaces provided on all submitted copies of the proposal.

**Addenda Purpose:**

**1.0 MODIFICATIONS TO SPECIFICATIONS:**

- Replace SC-5.0 CONSENT DECREE NOTICE PROVISION with attached revision.
- Revised Specification 865 – Sewer Main Pre-Television Inspection – remove and replace in its entirety.

**2.0 MODIFICATIONS TO PLANS:**

- Work Order #16 – remove and replace in its entirety.
- Work Order #19 – remove and replace in its entirety.
- Work Order #20 – remove and replace in its entirety.

**3.0 TO PROVIDE NOTES FROM PRE-BID MEETING:**

- Meeting Notes are attached for information only. The pre-bid meeting sign-in sheet has been posted previously on the SAWS website.

**ACKNOWLEDGEMENT BY BIDDER**

Each bidder is requested to acknowledge receipt of this Addendum No. 1 by his/her signature affixed hereto and to file same and attach with his/her bid.

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

\_\_\_\_\_  
DATE

\_\_\_\_\_  
SIGNATURE

END OF ADDENDUM NO. 1



## SPECIAL CONDITION

### SC-5.0 CONSENT DECREE NOTICE PROVISION

The San Antonio Water System (“SAWS”), the United States of America and the State of Texas have entered into a Consent Decree in Civil Action No. 5:13-cv-00666- DAE, United States of America and State of Texas v. San Antonio Water System, in the United States District Court for the Western District of Texas, San Antonio Division (the “Consent Decree”). A copy of the Consent Decree is available at

<http://www.saws.org/Infrastructure/EPA/download.cfm>

Work performed pursuant to this contract is work that SAWS is required to perform pursuant to the terms of the Consent Decree. In the event of any conflict between the terms and provisions of this Consent Decree Notice Provision and any other terms and provisions of this Contract or the Contract Documents, the terms and provisions of this Consent Decree Notice Provision shall prevail.

#### **A. Retention of documents.**

Contractor shall retain and preserve all non-identical copies of all documents, reports, research, analytical or other data, records or other information of any kind or character (including documents, records, or other information in electronic form including, but not limited to e-mails) in its or its sub-contractors’ or agents’ possession or control, or that come into its or its sub-contractors’ or agents’ possession or control, and that relate in any manner to this contract, or the performance of any work described in this contract (the “Information”). This retention requirement shall apply regardless of any contrary corporate or institutional policy or procedure or legal requirement. Contractor, Contractor’s sub-contractors and agents shall retain and shall not destroy any of the Information until such time as Contractor has received written approval from the General Counsel of SAWS that the Information or any part of the Information may be destroyed. Contractor shall, within 30 days after receipt of a written request by SAWS, deliver the Information to SAWS. Contractor shall instruct and require its agents and sub-contractors performing any part of the work described in this contract to comply with the requirements of this paragraph.

#### **B. Notification of events that may cause delay.**

If any event occurs that may delay performance by Contractor, or Contractor’s agents or sub-contractors of any work or obligation of any kind under this contract, Contractor shall provide notice in accordance with the Notice Provisions of this contract to SAWS within two (2) business days of the date Contractor or Contractor’s agents or sub-contractors first knew that the event might cause a delay. Contractor shall provide a written explanation and description of the reasons for the delay, the anticipated duration of the delay, all actions taken or to be taken to

prevent or minimize the delay, and a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay. **TIME IS OF THE ESSENCE** in the performance of the requirements of this paragraph and of any work to be performed by the Contractor in this contract.

**C. Liability for stipulated penalties.**

The Consent Decree provides that the United States of America, the United States Environmental Protection Agency and the State of Texas may assess stipulated penalties against SAWS upon the occurrence of certain events. To the extent that Contractor or Contractor's agents or sub-contractors cause or contribute to, in whole or in part, the assessment of any stipulated penalty against SAWS, Contractor agrees that it shall pay to SAWS the full amount of any stipulated penalty assessed against and paid by SAWS that is caused or contributed to in whole or in part by any action, failure to act, or failure to act within the time required by any provision of this contract. Contractor shall also pay to SAWS all costs, attorney fees, expert witness fees and all other fees and expenses incurred by SAWS in connection with the assessment or payment of any such stipulated penalties, or in contesting the assessment or payment of any such stipulated penalties. In addition to any and all other remedies to which SAWS may be entitled at law or in equity, Contractor expressly authorizes SAWS to withhold all amounts assessed and paid as stipulated penalties, and all associated costs, fees, or expenses from any amount unpaid to Contractor under the terms of this contract, or from any retainage provided in the contract.



**ITEM 865**  
**SEWER MAIN PRE-TELEVISION INSPECTION**

**866.1**      **DESCRIPTION:**

The Contractor shall furnish all labor, materials, equipment, and incidentals to provide the televising and NASSCO-(PACP) standard video, recorded in MPEG-1 format and written to DVD/CD video of sewer lines and manholes utilizing a color, closed-circuit television inspection unit to determine their condition.

**866.2**      **GENERAL:**

Pre and Post televising of sanitary sewer mains shall be done immediately after cleaning sewer main. Televising shall be observed by SAWS Inspector and Contractor as the camera is run through the system. Any abnormalities such as, but not limited to, misaligned joints, cracked/defected pipe, rolled gaskets, shall be identified and logged by the Contractor. Sections requiring repair shall be re-televised to verify condition of repair. No additional compensation shall be provided for re-televising.

**866.3**      **EXECUTION:**

The Contractor shall provide DVD/ CD and logs of the televised inspection for review. If the Contractor provided DVD/CD of such poor quality that it cannot be properly evaluated, the Contractor shall re-televising as necessary and provide a DVD/CD of good quality at no additional cost to SAWS. If the Contractor cannot provide a DVD/CD of such good quality that can be reviewed by SAWS, SAWS may elect to televise the line at the Contractor's expense.

The television unit shall also have the capability of displaying in color, on DVD/CD, pipe inspection observations such as pipe defects, sags, points of root intrusion, offset joints, service connection locations, and any other relevant physical attributes. Each tape shall be permanently labeled with the following:

Project name  
Date of television inspection  
Station to station location and size of sanitary sewer  
Street/easement location  
Name of Contractor  
Date DVD/CD submitted  
DVD/CD number

The Contractor shall provide a line diagram area sketch and written log for each completed segment of DVD/CD sewer main describing the section being televised, flow and camera direction, position of service connections, descriptions and



location of failures, pipe condition, weather conditions, and other significant observations.

The television inspection equipment shall have an accurate footage counter that displays on the monitor the exact distance of the camera from the center of the starting manhole. A camera with rotating and panning lens capabilities is required. The camera height shall be centered in the conduit being televised. The speed of the camera through the conduit shall not exceed 40 feet per minute.

The Contractor shall be required to have all materials, equipment, and labor force necessary to complete all video on the job site prior to isolating the sewer manhole segment and beginning video operations.

Television inspection shall be done one manhole section at a time and the flow in the section being televised shall be bypassed if the line is in service and the flow exceeds twenty-five (25%) of the internal pipe diameter. When the depth of flow at the upstream manhole of the manhole section being worked is above the maximum allowable for television inspection, the flow shall be reduced to allowable levels by temporarily plugging or blocking the flow or bypass pumping, as approved by SAWS.

The Contractor shall not be allowed to float the camera. There may be occasions during the televised inspection of a manhole section when the camera will be unable to pass an obstruction. At that time, and prior to proceeding, the Contractor shall contact SAWS Inspector. If the length of sewer line cannot be televised because of obstruction, the Contractor shall clean the system as is necessary. If, in the opinion of SAWS Inspector, the obstruction is attributed to a collapsed main or pipe deflection, televising shall be suspended, payment shall be made based on the actual televised length, and the remaining televising of the sewer line shall be continued upon successful correction of the blockage by the Contractor. No additional payment shall be made for additional setups required due to obstructions encountered during televising.

The Contractor is solely responsible for any damage of sewer mains as direct result of televising operations. Any repair shall also be the responsibility of the Contractor. The method(s) used for securing passage of the camera are at the discretion of the Contractor, as approved by SAWS.

No separate and/or additional payment will be made for any excavation, man entry, or any other method that may be required to retrieve video equipment that may have been hung up, destroyed, and/or lost during the operation.

**866.4**      **SEWER MAIN BYPASS PUMPING:**

The Contractor shall perform flow management operations in accordance with Item No. 1001 and as outlined below.

The Contractor shall furnish all labor, supervision, tools, equipment, appliances, and materials to perform all operations in connection with bypass pumping of sewage flow for the purpose of preventing interference with the televising of the sanitary sewer manholes and mainlines as well as providing reliable sewer service to the occupants of the buildings being served.

The Contractor will be required to provide adequate pumping equipment and force mains in order to maintain reliable sanitary sewer service in all sanitary sewer lines involved in this project. The Contractor shall notify the Inspector should a surcharge occur during the televising process that results in overflows of sewage. In case of bypass equipment failure, the Contractor shall discontinue work and release sewer flows until such time as equipment failure is corrected. SAWS shall approve the location of the pump(s), force main(s), and discharge points. Under no circumstances shall the flow be interrupted or stopped, such that damage is done to either private or public property or sewage flows or overflows into a storm sewer or natural waterway.

The Contractor shall provide bypass pumping of sewage around each segment(s) of pipe that is to be televised and shall be responsible for all required bulkheads, pumps, equipment, piping, and other related appurtenances to accomplish the sequence of pumping. A qualified person shall man the pumps, on-site, at all times during the bypassing procedure.

All piping, joints, and accessories shall be designed to withstand the maximum bypass system pressure, or a minimum of 50 psi, whichever is greater. During bypass pumping, no sewage shall be leaked, dumped, or spilled into or onto any area outside of the existing sanitary sewer system. When bypass-pumping operations are complete, all piping shall be drained into the sanitary sewer prior to disassembly. The Contractor shall demonstrate that the pumping system is in good working order and can successfully handle flows during cleaning and televising operations, prior to commencing with the cleaning and televising of the system.

**866.5**      **MATERIALS REQUIRED FOR BYPASS OPERATION:**

The Contractor shall be required to have all materials, equipment, and labor necessary to complete the repair or replacement on the jobsite prior to isolating the sewer manhole or line segment and beginning bypass pumping operations.



**866.6**      **TRAFFIC CONSIDERATIONS:**

The Contractor shall locate bypass pumping suction and discharge lines so as to not cause undue interference with the use of streets, private driveways, and alleys to include the possible temporary trenching of force mains at critical intersections. Traffic management shall be done under the approval of respective City, County, or State Traffic, Barricade, and Signalization Departments. The Contractor shall not open cut existing streets to accommodate bypass-pumping piping unless specific written approval is given.

**866.7**      **PUMP OPERATIONS:**

The Contractor shall plug off and pump down the sewer manhole and/or line segment in the immediate work area and shall maintain the sanitary sewer system so that surcharging does not occur. The Contractor shall coordinate with all property owners to ensure that no damage will be caused to their property during any and all sewer rehabilitation work. The Contractor shall complete the televising as quickly as possible and shall satisfactorily meet all requirements prior to discontinuing bypass pumping operations and returning flow to the sewer manhole or line segment. The Contractor shall ensure that no damage will be caused to private property as a result of bypass pumping operations. Ingress and egress to adjacent properties shall be maintained at all times. Ramps, steel plates, or other methods shall be employed by the Contractor to facilitate traffic over surface piping. There will be no separate pay item for this work.

In the event that sewage accidentally drains into the drainage system or is spilled within the project, the Contractor shall immediately stop the overflow, notify SAWS Inspector, and take the necessary action to clean up and disinfect the spillage using an HTH or equal chemical at no additional cost to SAWS.

**866.8**      **MEASUREMENT AND PAYMENT:**

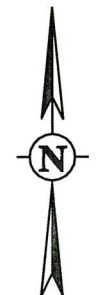
Measurement and payment for pre-television inspection will be made for the work to be done on the basis of the unit bid price per **linear foot** of the pipe diameters specified. Payment shall be considered full compensation for all labor, materials, equipment, tools, logging, by pass pumping and incidentals necessary to complete the work.

Payment per linear foot shall include pre-television inspection of the pipe segment being rehabilitated. Post-television inspection will not be measured or paid for separately, but shall be considered subsidiary to other rehabilitation bid items.

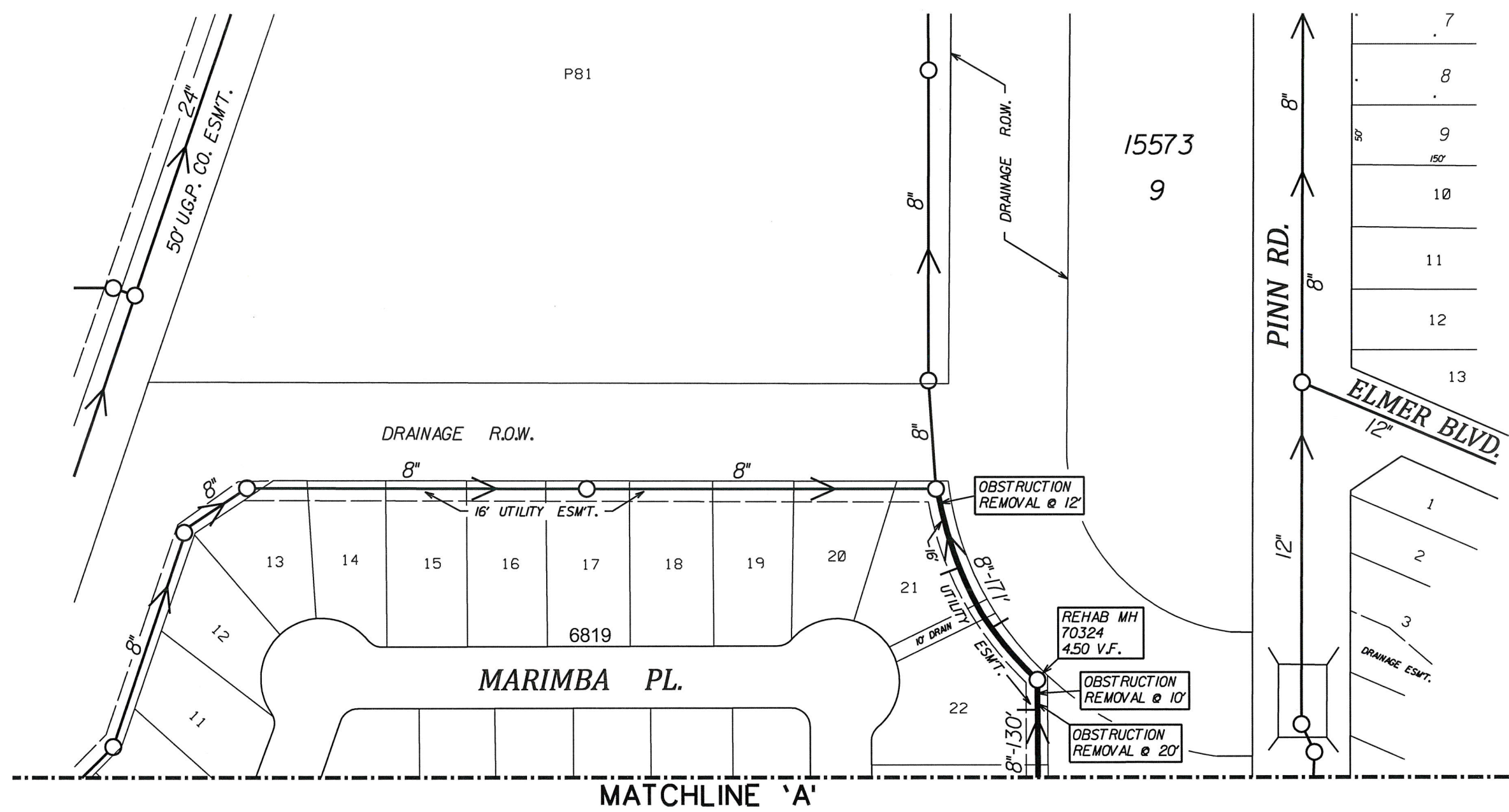








SCALE, IN FEET  
0 50 100



— - PIPE BURST 301 L.F. OF 8" PIPE

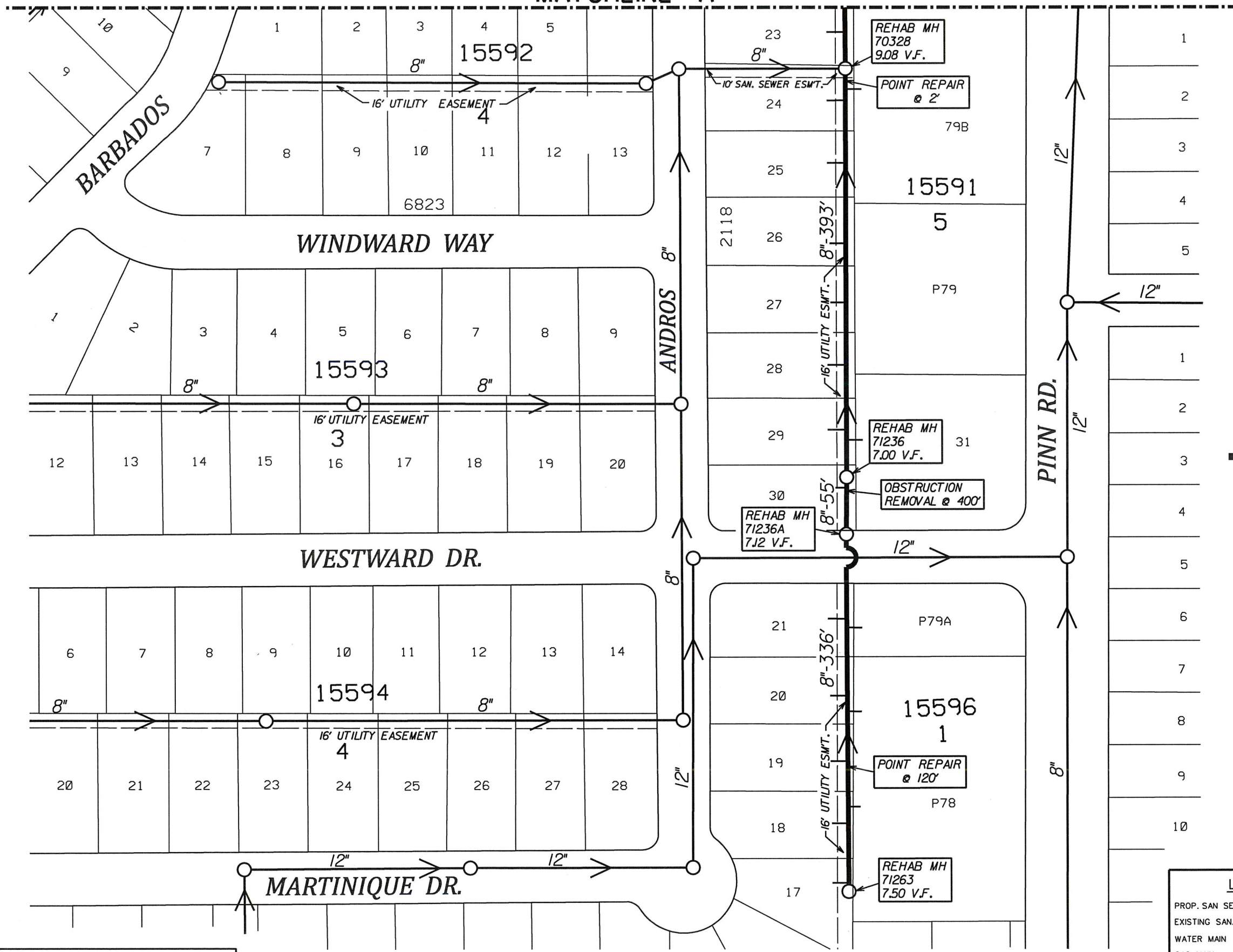
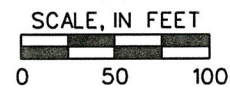
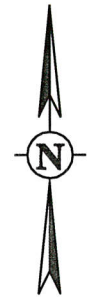
Contractor must notify and/or contact SAWS Inspections at 233-3500 and SAWS Engineering at 233-3493 48 hours before any of the following activities take place.

1. Notification of Pre-Television Inspection.
2. Notification of Bypass Pumping setup operations.
3. Notification of the Pipe installation.

NOTE: CONTRACTOR MUST FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES AND GRADES BEFORE START OF CONSTRUCTION. (N.S.P.J)

<b>LEGEND</b>		<b>JOB NO. 13-4814</b>	
PROP. SAN SEWER	—●—	<b>2013 SMALL DIAMETER REHAB PROGRAM - PROJECT 7</b>	
EXISTING SAN. SEWER	○—8"SS—	<b>W.O.#16</b>	
WATER MAIN	—○—6"C.I.W.—	<b>PINN RD.</b>	
GAS MAIN	—2"G—	DN: M.R.	DATE
STORM SEWER	—24"ST—	DR: M.R.	Oct. 16, 2013
EXISTING UTILITY POLE	—●—	CK: S.L.G.	
UNDERGROUND ELEC.	—UE—	BLK. MAP: 118-574	
UNDERGROUND TELE.	—UT—	<b>REPLACEMENT &amp; IMPROVEMENTS</b>	
		SHEET 2 OF 3	

MATCHLINE 'A'



— PIPE BURST 784 LF. OF 8" PIPE



*Sandra L. Gomez*  
10/22/13

Contractor must notify and/or contact SAWS Inspections at 233-3500 and SAWS Engineering at 233-3493 48 hours before any of the following activities take place.

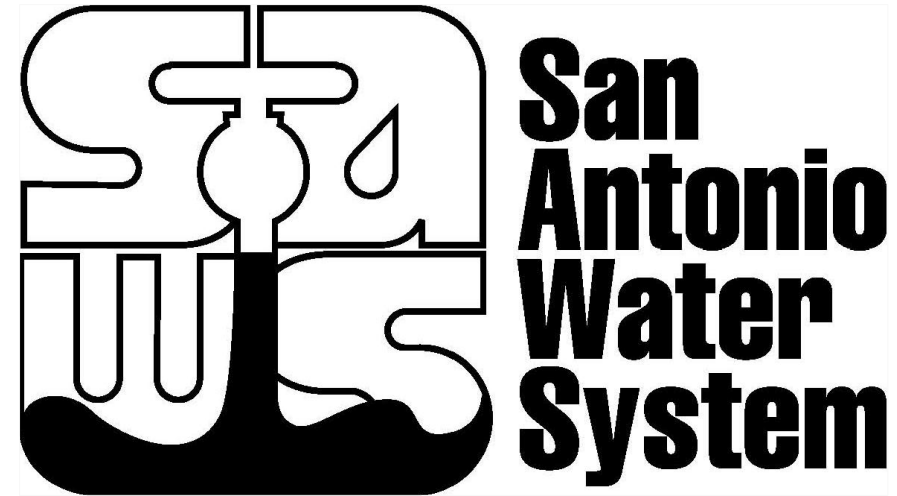
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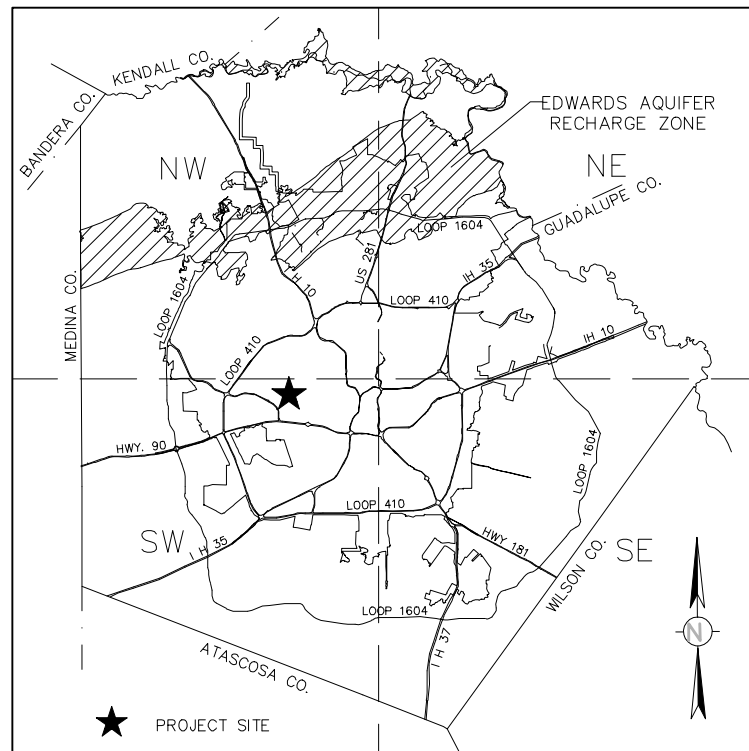
<b>LEGEND</b>		<b>JOB NO. 13-4814</b>	
PROP. SAN SEWER	— 8"SS —	<b>2013 SMALL DIAMETER REHAB PROGRAM - PROJECT 7</b>	
EXISTING SAN. SEWER	— 8"SS —	<b>PROGRAM - PROJECT 7</b>	
WATER MAIN	— 6"C.I.W. —	<b>W.O.#16</b>	
GAS MAIN	— 2"G —	<b>PINN RD.</b>	
STORM SEWER	— 24"ST —	DN: M.R.	DATE
EXISTING UTILITY POLE	—	DR: M.R.	Oct. 16, 2013
UNDERGROUND ELEC.	— UE —	CK: S.L.G.	
UNDERGROUND TELE.	— UT —	CR: S.L.G.	
		BLK. MAP: 118-572	<b>REPLACEMENT &amp; IMPROVEMENTS</b>
			SHEET 3 OF 3



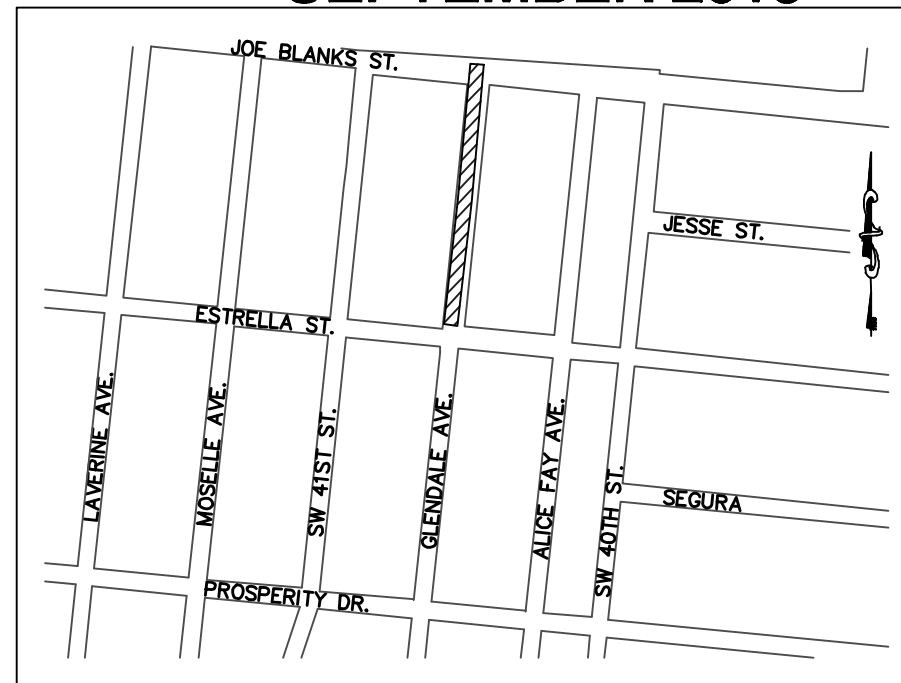
# SAN ANTONIO WATER SYSTEM



SAWS JOB NO. 13-4814 WORK ORDER # 19, DR # 488  
**300 BLOCK OF GLENDALE AVE**  
 SANITARY SEWER IMPROVEMENTS  
 2013 SMALL DIAMETER REHAB PROGRAM - PROJECT 7  
 SEPTEMBER 2013



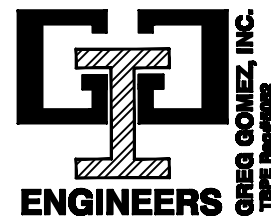
VICINITY MAP  
N.T.S.



LOCATION MAP  
N.T.S.

### ESTIMATED QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING	EA	1.00
805	TRAFFIC COORDINATION (TRAFFIC CONTROL PLAN)	EA	1.00
866	SEWER MAIN TELEVISION INSPECTION (8" - 15")	LF	467.00
900.1	PIPE BURSTING 8" SANITARY SEWER PIPE, ALL DEPTHS	LF	467.00
910.1	MANHOLE REHABILITATION (STANDARD MANHOLES 4 FT. IN DIAMETER)	VF	19.00
1103.1	POINT REPAIRS FOR 8" OR 10" DIAMETER, (0'-10' DEPTH) INCLUDING UP TO 10 LF OF PIPING	EA	1.00
1109	SERVICE RECONNECTION, (W/OPEN CUT EXCAVATION, 0'-10' DEPTH, INCLUDING UP TO 10 LF OF LATERAL)	EA	6.00



5938 BROADWAY SAN ANTONIO, TX 78209 (210) 824-2911  
 WWW.GGIENGINEERS.COM

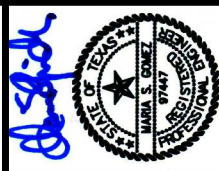


DATE: 9/24/2013

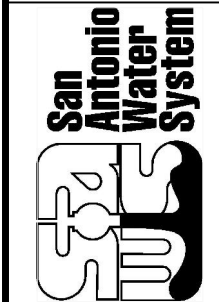
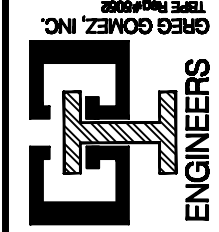
BLOCK MAP REF:  
 BLOCK MAPS - 132-578

SECTION MAPS -

SITE DIAGRAM FOR JOB No. 13-4814  
 JOB TITLE 300 BLOCK OF GLENDALE AVE



DATE: 9/24/2013



**SAN ANTONIO WATER SYSTEM**  
**300 BLOCK OF GLENDALE AVE**  
**WORK ORDER # 19**  
**SANITARY SEWER IMPROVEMENTS**  
**2013 SMALL DIAMETER RELIABILITY PROGRAM**  
**PROJECT 7**  
**LOCATION MAP AND SHEET INDEX**

DATE: APRIL 2013	Designed by: GDG and MSG
Drawn by: ELS	Checked by: MSG
Approved by: GGG	GGI Project No.:
SAWS Project No.: 13-4814	SCALE: N.T.S.



**N.T.S.**

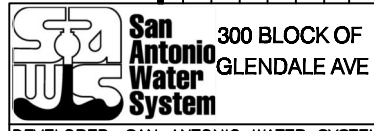
LEGEND	
④	SHEET NUMBER



(MAP FOR BY-PASS PUMPING PLANNING)

**SHEET INDEX**

No.	TITLE
1	COVER
2	LOCATION MAP AND SHEET INDEX
3	NOTES AND LEGEND
4	PLAN SHEET



DEVELOPER: SAN ANTONIO WATER SYSTEM  
 CONT. BUDGET PROJ. #

SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

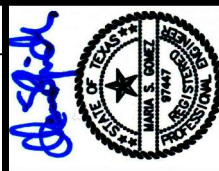
MAP NO. 132-578 SECTION NO. SHEET **2**

DR. CH. JOB NO. 13-4814 OF 4

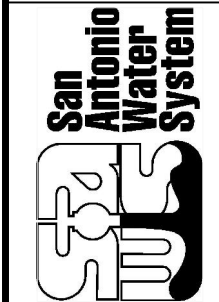
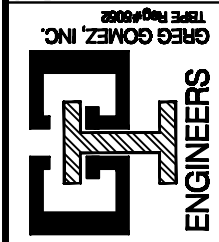
# GENERAL NOTES

# GENERAL SAWS NOTES

# LEGEND

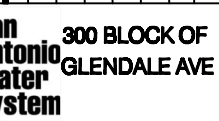


DATE: 9/24/2013



**SAN ANTONIO WATER SYSTEM**  
**300 BLOCK OF GLENDALE AVE**  
**WORK ORDER # 19**  
**SANITARY SEWER IMPROVEMENTS**  
**2013 SMALL DIAMETER REHAB PROGRAM**  
**PROJECT 7**  
**NOTES AND LEGEND**

DATE: APRIL 2013	Designed by: GGG and MSG	Drawn by: ELS	Checked by: MSG	Approved by: GGG	GGG Project No.:	SAWS Project No.:	SCALE: N.T.S.	INL Date Revisions By:
					13-4814			



DEVELOPER: SAN ANTONIO WATER SYSTEM  
CONT.----- BUDGET PROJ. #

SUBMITTED \_\_\_\_\_  
APPROVED \_\_\_\_\_

MAP NO. 132-578 SECTION NO. SHEET 3

DR. CH. JOB NO. 13-4814 OF 4

- ALL MATERIALS SHALL BE APPROVED BY THE CITY OF SAN ANTONIO AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL CONFORM TO ALL APPLICABLE CITY OF SAN ANTONIO CONSTRUCTION SPECIFICATIONS.
- FOR BREVTY, THE TERM "N.S.P.I." USED THROUGHOUT THESE CONTRACT DOCUMENTS INDICATES "NO SEPARATE PAY ITEM". THE USE OF THIS TERM IS AS BINDING AS IF WRITTEN IN FULL.
- NO EXTRA PAY ITEMS SHALL BE ALLOWED FOR WORK CALLED FOR ON THE PLANS BUT NOT INCLUDED ON THE BID SCHEDULE. THIS INCIDENTAL WORK WILL BE REQUIRED AND SHALL BE INCLUDED IN THE PAY ITEM TO WHICH IT RELATES.
- CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES, MARK, REFERENCE POINTS AND MONUMENTS. ANY STAKES, MARKS, REFERENCE POINTS OR MONUMENTS DESTROYED OR REMOVED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ONLY ONE SET OF CONSTRUCTION STAKES SHALL BE PROVIDED BY THE ENGINEER.
- THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS OF UTILITIES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES ARE REQUIRED FOR CONSTRUCTION.
- DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN PROJECT AREA.
- CONTRACTOR SHALL FURNISH THE ENGINEER WITH AN AS-BUILT PLAN INDICATING THE ACTUAL MEASUREMENTS AND LOCATIONS OF ALL FACILITIES INSTALLED THE AS-BUILT PLANS SHALL BE SUBMITTED PRIOR TO SUBMITTING FINAL NOTICE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF ALL FENCES IN THE WORK AREA TO AN EQUAL OR BETTER CONDITION PRIOR TO COMPLETION OF THE CONTRACT AT NO ADDITIONAL COST. THIS SHALL APPLY TO ALL FENCES IN THE AREA WHETHER THEY ARE SHOWN ON THE PLANS OR NOT.
- ALL WASTE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND IT SHALL BE HIS SOLE RESPONSIBILITY TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE PROJECT. NO WASTE MATERIAL SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER FLOW LIMITS OF EXISTING ARTIFICIAL OR NATURAL DRAINAGE. THE CONTRACTOR WILL NOT PLACE ANY WASTE MATERIALS WITHIN THE 100 YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN DEVELOPMENT PERMIT.
- ANY DAMAGE TO ANY EXISTING UTILITIES, GAS LINES, ETC. WHETHER OR NOT SHOWN ON THE PLANS WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- ALL EXCAVATION SHALL BE UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED REGARDLESS OF THEIR NATURE OR THE MANNER IN WHICH THEY ARE REMOVED.
- WHERE ROCK IS ENCOUNTERED AT THE BEARING LEVEL, THE CONTRACTOR SHALL, AS DIRECTED BY THE INSPECTOR, UNDER-EXCAVATE AND REMOVE SUCH MATERIAL TO A DEPTH OF NOT LESS THAT FOUR INCHES BELOW THE BOTTOM OF THE PIPE AND REPLACE WITH MATERIAL CONFORMING TO THE REQUIREMENTS OF ITEM NO. 410.2, GRAVEL SUBGRADE FILLER (NO SEPARATE PAY ITEM).
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO PROPERTY OF ANY DESCRIPTION INCLUDING EXISTING UTILITIES, EXISTING ROADS, WATER WELLS AND PROPERTY OF ADJACENT PROPERTY OWNERS. WHICH IS DAMAGED IN THE PERFORMANCE OF THIS CONTRACT BY THE CONTRACTOR, HIS AGENTS, EMPLOYEES, SUBCONTRACTORS OR THEIR EMPLOYEES. DAMAGED PROPERTY SHALL BE RESTORED TO ITS CONDITION PRIOR TO DAMAGE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL EXISTING FACILITIES PROXIMATE TO THE CONSTRUCTION OPERATIONS ARE PROTECTED FROM DAMAGE. EXISTING FENCES, ELECTRICAL/TELEPHONE POLES, ETC., SHALL BE BRACED AS REQUIRED TO AVOID DAMAGE OR MISALIGNMENT.
- THE CONTRACTOR SHALL PROVIDE FOR ACCESS OF RESIDENCES AND ALL BUSINESSES DURING ALL PHASES OF THE WORK (NO SEPARATE PAY ITEM).
- CONTRACTOR SHALL SAW CUT DRIVEWAYS AND SIDEWALKS AND REPLACE TO EXISTING OR BETTER CONDITION IN ACCORDANCE WITH ITEM NOS. 502 AND 503 OF THE CITY OF SAN ANTONIO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. (NO SEPARATE PAY ITEM)
- WHERE EXISTING ASPHALT PAVEMENT IS TO JOIN PROPOSED PAVEMENT AND OR DRIVEWAYS, PORTIONS OF THE EXISTING ASPHALT IS TO BE REMOVED, THE SECTION SHALL BE CUT STRAIGHT AND TRUE USING SAW, BLADE OR OTHER METHODS APPROVED BY THE CITY.
- DRIVEWAYS SHALL BE CONSTRUCTED AS SHOWN ON PLANS OR AS INDICATED BY THE ENGINEER. THE WIDTH AND STATION FOR THE CENTERLINE IS APPROXIMATE. DRIVEWAYS SHALL BE BUILT TO THEIR ORIGINAL SIZE, TYPE AND LOCATED FOR THE BEST ACCESS TO THE EXISTING FACILITIES. HOWEVER, NO DRIVEWAY SHALL BE LESS THAN 10 FEET IN WIDTH AT THE PROPERTY LINE. ALL DRIVEWAYS SHALL BE CONCRETE FROM THE CURB TO THE PROPERTY LINE.
- PAYMENT FOR ASPHALT PAVEMENT REMOVAL AND REPLACEMENT SHALL BE LIMITED TO THE QUANTITIES REPRESENTED ON THESE PLANS. SHOULD THE CONTRACTOR DEEM IT NECESSARY TO REMOVE AND REPLACE ADDITIONAL ASPHALT PAVEMENT, THE WORK SHALL BE SUBSIDIARY TO ITEM 848, SANITARY SEWER PIPE AND ITEM 401.0 STORM DRAINAGE PIPE. (NO SEPARATE PAY ITEM).
- EXISTING TREES AND SHRUBS SHOWN ON THE PLANS SHOW APPROXIMATE LOCATION OF TREE TRUNKS. HORIZONTAL SPREAD OF TREES SHOWN IS NOT NECESSARILY REPRESENTATION OF THE ACTUAL SHAPE, SIZE OR CONFIGURATION AND THEIR VERTICAL HEIGHT FROM PROPOSED CONSTRUCTION IS NOT SHOWN. THE CONTRACTOR SHALL VERIFY FREE CLEARANCE CONDITIONS TO DETERMINE THEIR EFFECT ON CONSTRUCTION. THERE SHALL BE NO SEPARATE PAYMENT MADE FOR ADDITIONAL COST OR EFFORT INCURRED BY THE CONTRACTOR WHICH IS REQUIRED TO WORK AROUND AND/OR UNDER EXISTING TREES.
- TREES, TREE LIMBS AND SHRUBS LOCATED IN CITY STREET OR ALLEY RIGHT-OF-WAY OR PERMANENT OR TEMPORARY EASEMENTS WHICH INTERFERE WITH PROPOSED CONSTRUCTION ACTIVITIES MAY BE NEATLY TRIMMED BY THE CONTRACTOR ONLY AFTER APPROVAL FROM CAPITAL PROJECTS MANAGEMENT THROUGH THE INSPECTOR, ANY AND ALL TRIMMING SHALL BE DONE IN ACCORDANCE WITH THE "TREE CUT TRIMMING DETAIL" SHOWN ON THE PLANS. ALL LIMBS AND/OR BRANCHES SHALL BE REMOVED FROM CITY RIGHT-OF-WAY BY THE CONTRACTOR. THERE SHALL BE NO SEPARATE PAYMENT MADE FOR TRIMMING AND REMOVAL OF LIMBS OR BRANCHES.
- THE CONTRACTOR SHALL PROVIDE ACCESS FOR THE DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE AND ACCESS TO ALL RESIDENCES AND BUSINESSES. (NO SEPARATE PAY ITEM)
- NO BLASTING SHALL BE ALLOWED.
- THE CONTRACTOR SHALL LIMIT HIS WORK ACTIVITIES TO THE STREET RIGHT-OF-WAYS, ALLEYS AND EASEMENTS (PERMANENT AND TEMPORARY CONSTRUCTION). NO PROVISIONS HAVE BEEN MADE FOR WORK ACTIVITIES OR STORAGE OF MATERIALS AND/OR EQUIPMENT ON PRIVATE PROPERTY.
- WHEN DEEMED NECESSARY BY THE INSPECTOR, TEMPORARY FENCING SHALL BE ERECTED. (NO SEPARATE PAY ITEM)
- EXISTING ASPHALT AND BASE TO BE CUT AND REPLACED WITH 1 1/2" ASPHALT AND 6" ASPHALT TREATED BASE PER ITEM 511 CUTTING AND REPLACING PAVEMENT OR AS SPECIFIED IN THE CITY OF SAN ANTONIO, UTILITY EXCAVATION CRITERIA MANUAL.
- CONTRACTOR TO SUPPORT AND KEEP INTACT, STORM DRAINS AND INLET STRUCTURES. ANY DAMAGES INCURRED WILL BE AT THE CONTRACTOR'S EXPENSE.
- ALL CONCRETE AND STEEL QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY. THE PLANS SHOWN HEREIN SHALL NOT BE CONSTRUED OR USED AS SHOP OR PLACING DRAWINGS.
- CONCRETE RIP RAP, BOX CULVERTS, INLETS, CURB, SIDEWALKS, DRIVEWAYS AND ALL OTHER CONCRETE STRUCTURES SHALL BE CURED ACCORDING TO ITEM NO. 305 "MEMBRANE CURING".
- CENTERLINES OF ALL STREET INTERSECTIONS ARE AT RIGHT ANGLES (90 DEGREES) UNLESS OTHERWISE NOTED.

- 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 DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER", TAC TITLE 30 PART 1 CHAPTER 290.
  - 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."
- CONTRACTOR IS TO NOTIFY AND MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT 233-3500, AFFECTED HOME RESIDENTS AND / OR PROPERTY OWNERS 48 HOURS PRIOR TO EXCAVATION.
- 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 48 HOURS 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.
- 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.
 

SAN ANTONIO WATER SYSTEMS:	
UTILITY RELOCATES	233-2010
PRODUCTION CONTROL CENTER	233-2016
CoSA DRAINAGE	207-8048
CoSA TRAFFIC SIGNAL OPERATIONS	207-7720
TEXAS STATE WIDE ONE CALL LOCATOR	1-800-545-6005 or 811
BEXAR METROPOLITAN WATER DISTRICT	354-6536
- 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 PROJECT'S CONSTRUCTION.
- THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY ARBORIST AT 207-8053 FOR GUIDANCE. SAWS CONSTRUCTION INSPECTOR SHALL ALSO BE NOTIFIED.
- THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.
- 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.
- 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 MAKE UNDER SPECIAL SPECIFICATION ITEM No. 3000, "SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE".

**NOTE: FOR CURRENT SPECIFICATIONS AND DETAIL DRAWINGS, PLEASE VISIT WWW.SAWS.ORG**

# GENERAL SEWER NOTES

- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT NO OVERFLOWS OR SPILLAGE OF SEWAGE OCCURS. SHOULD THIS OCCUR, THE CONTRACTOR SHALL:
  - IDENTIFY THE SOURCE OF THE SPILL AND ATTEMPT TO ELIMINATE ANY ADDITIONAL SPILLAGE. NOTIFY CONSTRUCTION INSPECTIONS.
  - CONTAIN THE SPILL IN PLACE AND PREVENT CONTAMINATION OF STREAMS.
  - CLEAN UP THE SPILL AND DISPOSE OF CONTAMINATED MATERIALS.
  - DISINFECT THE AREA OF THE SPILL WITH A MIXTURE OF HTH CHLORINE AND WATER.
  - IDENTIFY AND TRAIN PERSONNEL RESPONSIBLE FOR SPILLAGE PREVENTION AND CONTROL.

NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION (TNRCC) AND THE SAN ANTONIO WATER SYSTEM.
- SERVICE LATERAL CONNECTIONS.
  - THE EXACT LOCATION AND ELEVATION OF THE SERVICE LATERALS AND MANHOLES SHALL BE FIELD VERIFIED BY THE CONTRACTOR. (N.S.P.I.)
  - A MINIMUM OF 3 FEET OF COVER IS TO BE MAINTAINED OVER THE SANITARY SEWER LATERALS AT SUBGRADE.
  - ALL SEWER LATERAL SERVICES FOR FUTURE CONNECTIONS AS IDENTIFIED ON PLAN AND PROFILES, SHALL BE CAPPED AND SEALED.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING EACH EXISTING SERVICE LINE FROM THE EXISTING MAIN AND RECONNECTING THE SERVICE TO THE NEW SERVICE MAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS SERVICE (NO SEPARATE PAY ITEM).
  - LATERALS SHALL BE CONSTRUCTED TO SERVE ALL EXISTING HOUSES AND VACANT LOTS.
- THE CONTRACTOR SHALL PROVIDE BY-PASS PUMPING SEWAGE AROUND EACH SEGMENT OF PIPE TO BE REPLACED, IN ACCORDANCE WITH SAWS SPECIAL SPECIFICATION "SANITARY SEWER". PAYMENT FOR SUCH WORK WILL BE MADE UNDER THE BID ITEM "SANITARY SEWER (BY-PASS PUMPING)" AS PER SAWS SPECIAL SPECIFICATION "SANITARY SEWER".
- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FORCE 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.
- TRENCH EXCAVATION PROTECTION SHALL BE ACCOMPLISHED AS REQUIRED BY THE PROVISIONS OF PART 1926, SUBPART P-EXCAVATION, TRENCHING AND SHORING OF THE OCCUPATIONAL SAFETY HEALTH'S STANDARDS AND INTERPRETATIONS. CONTRACTOR SHALL ALSO COMPLY WITH THE PROVISIONS INCLUDED IN ITEM 550, TRENCH EXCAVATION SAFETY PROTECTION OF THE CURRENT SAN ANTONIO WATER SYSTEM SPECIFICATION FOR WATER AND SANITARY SEWER CONSTRUCTION.

→	DRAINAGE FLOW		TREE
(5/16202)	BLOCK/NCB	—UT—	UNDERGROUND TELE
(1234)	HOUSE ADDRESS	—WB/AC—	WATER SIZE/MAT'L
(2)	LOT NUMBER	—GB—	GAS/SIZE
○	IRON PIN	—OHE—	OVERHEAD UTILITIES ELECTRIC
	MAIL BOX	(W)	WATER METER
●	POWER POLE		WATER VALVE
[P]	PHONE PEDESTAL	●	GATE
—	SIGN	⊙	FENCE CORNER
—	SIGN 2	—○—	CHAIN LINK
●	SAN SWR MANHOLE PROPOSED	—//—	WOOD
⊙	MANHOLE SANITARY SEWER	—○—	WIRE
⊙	MANHOLE TELEPHONE	—■—	IRON
	BUSH	●	FENCE LINE
△	CONTROL POINT		GAS METER
[M]	ELECTRIC METER		GAS VALVE
	FIRE HYDRANT	↑	GUY WIRE
⊠	MONUMENT	☆	LAMP
⋈	SPRINKLER	○	LATERAL S.S. CLEANOUT
	STUMP	⊙	IRON PIPE

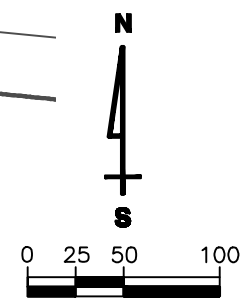
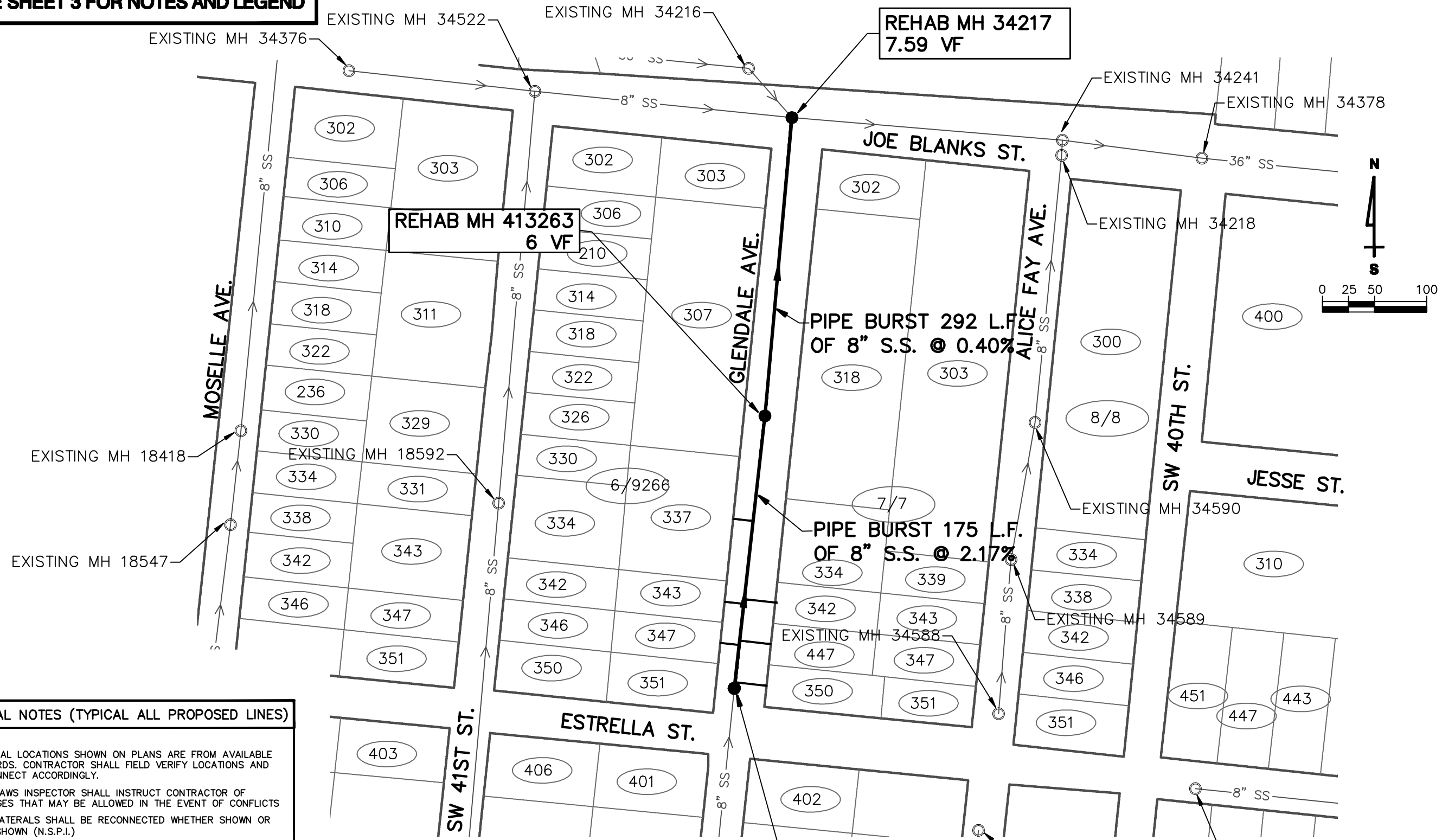
# NOTES

- TRENCH SAFETY NOTE:**
- 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 EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS and/or PROCEDURES FOR THE PROJECT SYSTEMS, PROGRAMS and/or PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY 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
- GAS VALVE NOTE:**
- DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.191, CPS 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.
- UNDERGROUND CABLE NOTE:**
- THE EXISTENCE AND LOCATION OF UNDERGROUND CABLE INDICATED ON THE PLANS ARE TAKEN FROM THE BEST RECORDS AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR TO CONTACT THE TELEPHONE COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-828-5127. CONTRACTOR HAS THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.
- TIME WARNER CABLE:**
- CONTRACTOR TO CONTACT PARAGON CABLE TV LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 352-4672. CONTRACTOR HAS RESPONSIBILITY TO PROTECT AND SUPPORT CABLE TV PLANT DURING CONSTRUCTION.
- CPS LOCATOR NOTE:**
- CALL CPS LOCATOR AT 978-3500, FORTY-EIGHT (48) HOURS BEFORE BEGINNING ANY EXCAVATION.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE EXISTING UTILITIES DURING CONSTRUCTION, AS WELL AS ANY COSTS ARISING FROM DAMAGE TO THE UTILITIES AS A RESULTS OF THE CONSTRUCTION.

		300 BLOCK OF GLENDALE AVE	
DEVELOPER: SAN ANTONIO WATER SYSTEM		CONT.----- BUDGET PROJ. #	
SUBMITTED _____		APPROVED _____	
MAP NO. 132-578	SECTION NO.	SHEET 3	
DR. CH.	JOB NO. 13-4814	OF 4	

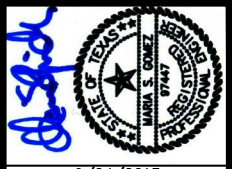
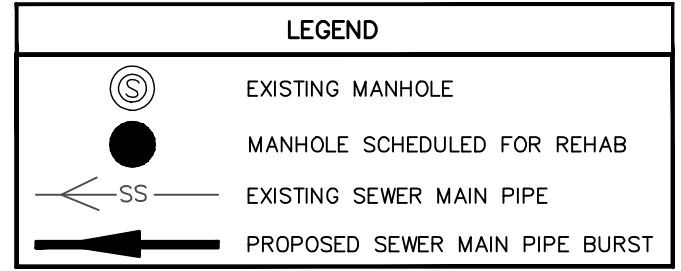


**SEE SHEET 3 FOR NOTES AND LEGEND**

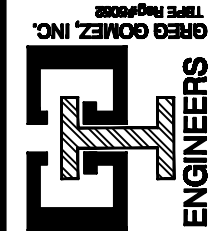


**SPECIAL NOTES (TYPICAL ALL PROPOSED LINES)**

1. LATERAL LOCATIONS SHOWN ON PLANS ARE FROM AVAILABLE RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND RECONNECT ACCORDINGLY.
2. THE SAWS INSPECTOR SHALL INSTRUCT CONTRACTOR OF CHANGES THAT MAY BE ALLOWED IN THE EVENT OF CONFLICTS
3. ALL LATERALS SHALL BE RECONNECTED WHETHER SHOWN OR NOT SHOWN (N.S.P.I.)
4. THE ESTIMATED VERTICAL REHAB FEET OF EXISTING MANHOLES ARE DERIVED FROM EXISTING RECORDS. THE EXACT VERTICAL FEET SHALL BE DETERMINED IN THE FIELD AND QUANTITIES ADJUSTED AND APPROVED BY SAWS ENGINEER.
5. CONTRACTOR MUST NOTIFY AND/OR CONTACT SAWS INSPECTIONS OF 233-3500 AND SAWS ENGINEERING AT 233-3493 48 HOURS BEFORE ANY OF THE FOLLOWING ACTIVITIES TAKE PLACE.
  - A. NOTIFICATION OF PRE-TELEVISION INSPECTION..
  - B. NOTIFICATION OF BYPASS PUMPING SETUP OPERATIONS.
  - C. NOTIFICATION OF THE PIPE INSTALLATION
6. CONTRACTOR MUST FIELD VERIFY ALL DEPTHS, DISTANCES AND GRADES BEFORE START OF CONSTRUCTION. (N.S.P.I.)



DATE: 9/24/2013



**SAN ANTONIO WATER SYSTEM**  
**300 BLOCK OF GLENDALE AVE**  
**WORK ORDER # 19**  
**SANITARY SEWER IMPROVEMENTS**  
**2013 SMALL DIAMETER REHAB PROGRAM**  
**PROJECT 7**  
**PLAN**

DATE: FEBRUARY 2013	Designed by: GDG and MSG
	Drawn by: ELS
	Checked by: MSG
	Approved by: GGG
	GGI Project No.:
	SAWS Project No.: 13-4814
	SCALE: 1" = 100'



DEVELOPER: SAN ANTONIO WATER SYSTEM  
 CONT.----- BUDGET PROJ. #

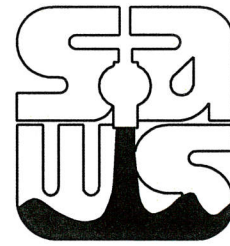
APPROVED \_\_\_\_\_

MAP NO. 164-546/162-546 SHEET 4

SECTION NO. \_\_\_\_\_ JOB NO. 13-4814 OF 4

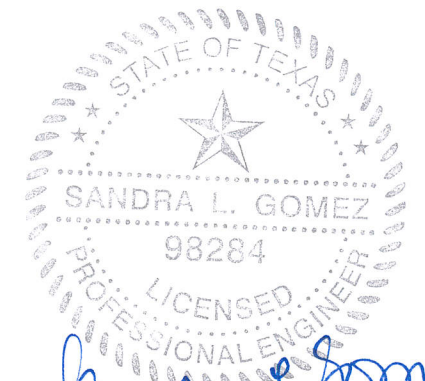


# SAN ANTONIO WATER SYSTEM REPLACEMENT & IMPROVEMENTS



JOB NO. 13-4814 W. O. #20, DR #721

## 1000 BLK OF LOVETT AVE - 12" SANITARY SEWER REHAB PROJECT (2013 SMALL DIAMETER REHAB PROGRAM - PROJECT 7)

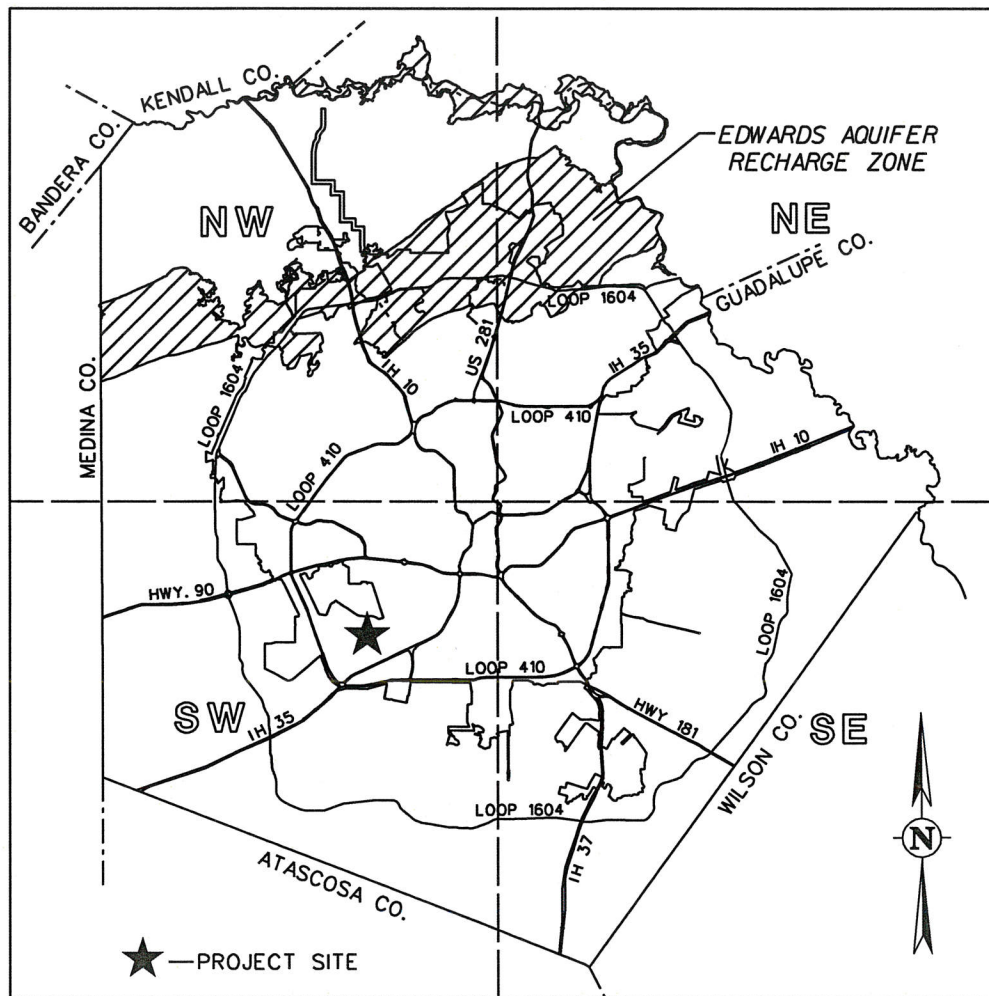


Sandra L. Gomez  
10/22/13

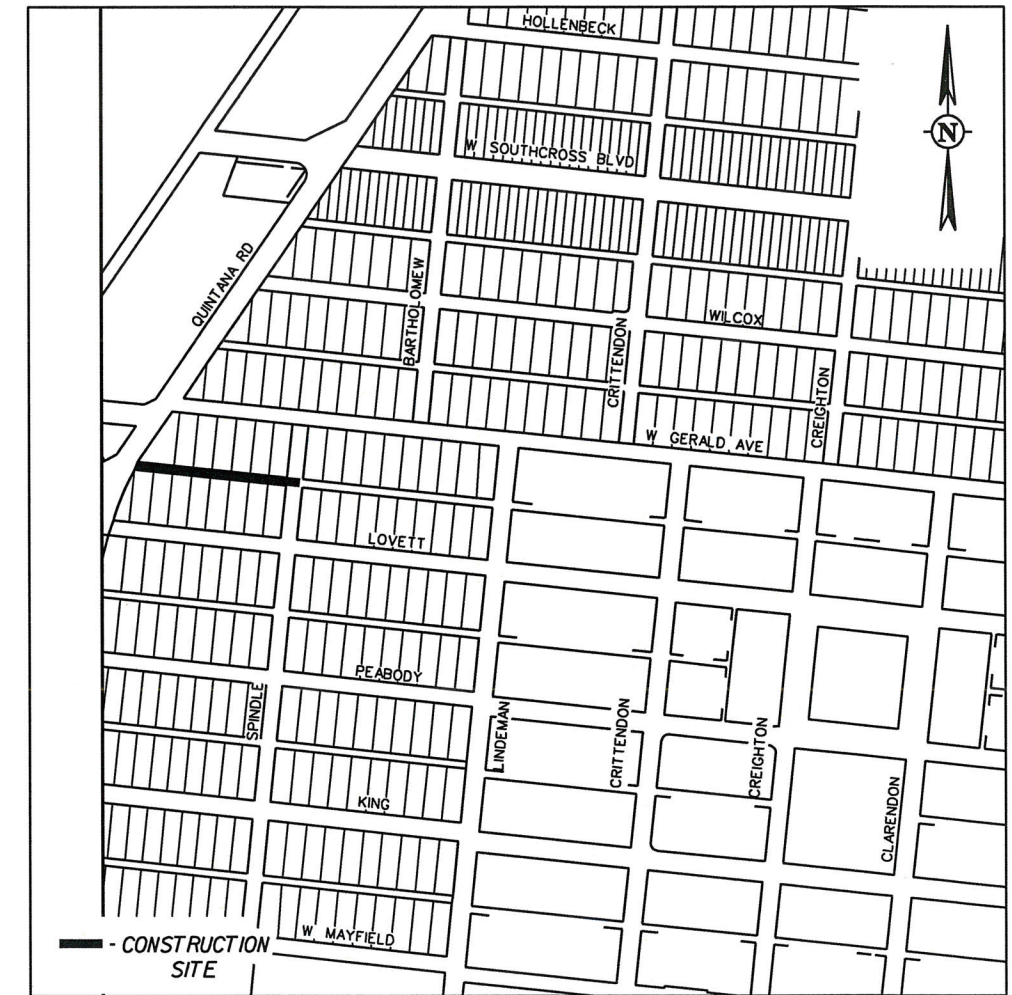
### GENERAL NOTES

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 following as applicable:
  - A. Current Texas Commission on Environmental Quality Design Criteria for Sewerage Systems [31 TAC 217.1, 31 TAC 217.2, 31 TAC 217.3, and 31 TAC 217.13 and 213].
  - B. Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage."
  - C. Current "San Antonio Water System Standard Specifications for Construction."
  - D. Current City of San Antonio "Standard Specifications for Public Works Construction."
  - E. Current Bexar County Specifications.
  - F. Current City of San Antonio "Right - of - Way Management and Criteria Manual".
2. The Contractor/Foreman is to notify and make arrangements with the SAWS Construction Inspector Division at 233-3500 and involve the home resident and/or property owners 48 hours prior to excavation.
3. The existence and location of underground utilities indicated on the plans are taken from the best records available and are not guaranteed to be accurate. The Contractor/Foreman is responsible for maintaining, supporting, and protecting the integrity of underground utilities and power poles during construction, and is required to call the following numbers 48 hours before beginning any excavation.
 

San Antonio Water System	233-2010
Storm Water Engineering	207-5009
COSA Traffic Signal Operations	207-7720
Texas State Wide One Call Locator	1-800-545-6005
4. If damaged, the Contractor/Foreman shall be responsible for restoring existing fences, curbs, streets, driveways, sidewalks, landscaping, structures, etc. to its original or better condition. (No Separate Pay Item)
5. 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's Standards and Interpretations. The Contractor shall also comply with the provisions included in Item 550, Trench Excavation Safety Protection, of the current San Antonio Water System Specifications for Water and Sanitary Sewer Construction.
6. The Contractor/Foreman shall avoid cutting roots larger than one inch in diameter when excavating near existing trees. Excavation in vicinity of trees shall proceed with caution. The Contractor/Foreman shall contact the City Arborist at 207-8053 for guidance.
7. Notify Shawn Dorn at 210-233-3560 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.

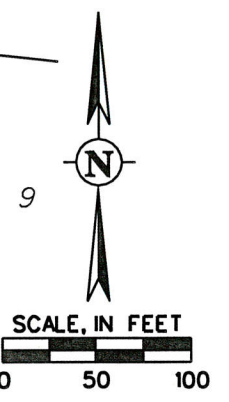
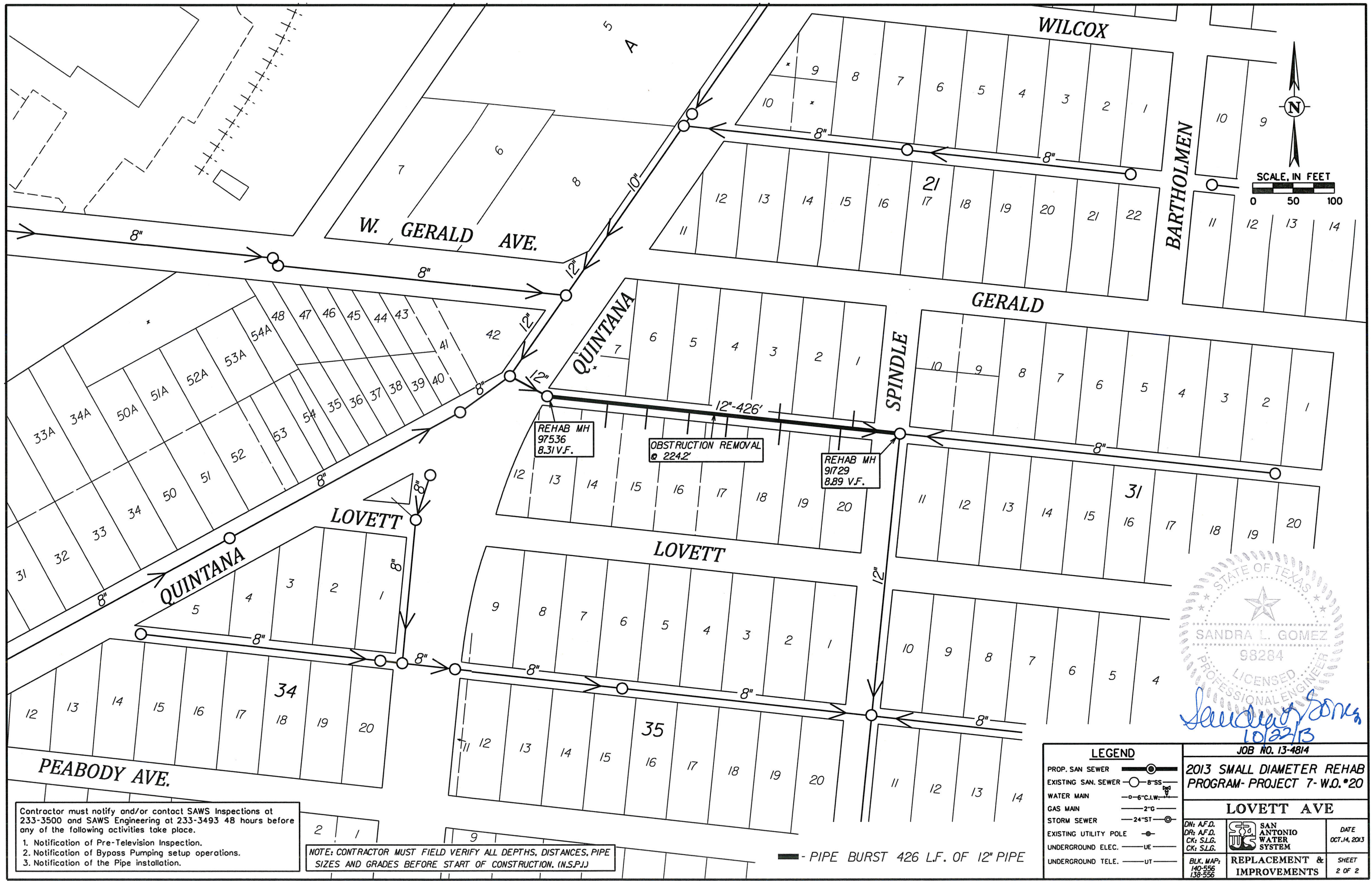


VICINITY MAP  
N.T.S.



LOCATION MAP  
N.T.S.





STATE OF TEXAS  
 SANDRA L. GOMEZ  
 98284  
 LICENSED PROFESSIONAL ENGINEER  
*Saudrey Sons*  
 10/22/13

Contractor must notify and/or contact SAWS Inspections at 233-3500 and SAWS Engineering at 233-3493 48 hours before any of the following activities take place.

1. Notification of Pre-Television Inspection.
2. Notification of Bypass Pumping setup operations.
3. Notification of the Pipe installation.

NOTE: CONTRACTOR MUST FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES AND GRADES BEFORE START OF CONSTRUCTION. (N.S.P.J)

— PIPE BURST 426 L.F. OF 12" PIPE

**LEGEND**

PROP. SAN SEWER	—●—
EXISTING SAN. SEWER	—○— 8"SS
WATER MAIN	—○— 6"C.I.W.
GAS MAIN	—○— 2"G
STORM SEWER	—○— 24"ST
EXISTING UTILITY POLE	—●—
UNDERGROUND ELEC.	—UE—
UNDERGROUND TELE.	—UT—

**2013 SMALL DIAMETER REHAB PROGRAM- PROJECT 7- W.O. #20**

**LOVETT AVE**

DN: A.F.D.	SAN ANTONIO WATER SYSTEM	DATE
DR: A.F.D.		OCT. 14, 2013
CK: S.L.G.		
BLK. MAP: 140-556 138-556	<b>REPLACEMENT &amp; IMPROVEMENTS</b>	SHEET 2 OF 2



**NON-MANDATORY PRE-BID MEETING NOTES  
SAN ANTONIO WATER SYSTEM  
2013 SMALL DIAMETER REHAB PROGRAM – PROJECT 7  
SAWS JOB NO. 13-4814  
SAWS SOLICITATION NO. B-13-CD-054-DD**

**I. MEETING TIME/PLACE**

- Wednesday, October 17, 2013, 2:00 p.m.
- SAWS, Tower II, Conference Room CR-C137

**II. PROJECT DISCUSSION**

1. This contract is part of the consent decree.
2. This is an emergency type contract so 48-hour response is expected on all work orders. 48- Hour mobilization will not be paid separately and shall be considered subsidiary to other bid items.
3. The intent of this contract is to rehabilitate sanitary sewer lines using trenchless methods.
4. All work orders shall be designed trenchless and the contractor that wins this work order contract is expected to perform a majority of the work.
5. The contractor is expected to maintain work on each work order until it's complete and multiple work orders may be issued at one time.
6. Please be familiar with SAWS standard specs and the specs for this contract.
7. Flow Management such as bypass pumping is subsidiary to other bid items.
8. Contract duration for these work orders will have a short time frame.
9. The contractor will be responsible for applying and obtaining CoSA ROW street cut permits and all fees associated with permits.
10. Please be sure to read the supplemental conditions and the special conditions.
11. Work performed pursuant to this contract is work that SAWS is required to perform pursuant to the terms of the Consent Decree between SAWS and the EPA.