

Mildred 24" Sewer Outfall – DR 88 I

Christopher Jackson, EIT

Graduate Engineer II

Fred Flores

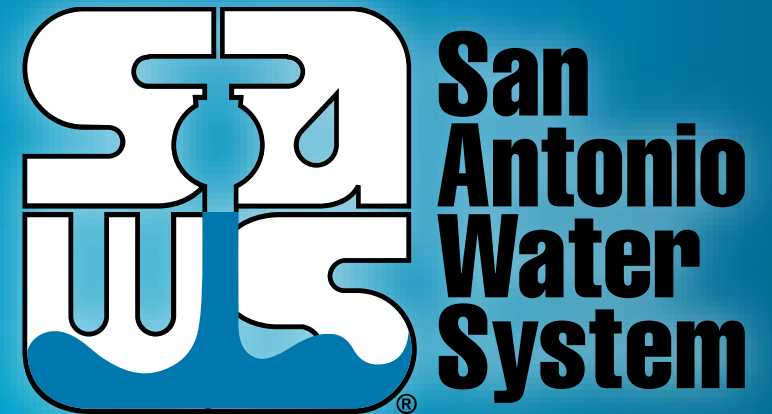
Contract Administrator

JoEmma Sherfey, PE

Engineer of Record – S&GE LLC

Barry Smith

Supervisor – Construction Inspections



(Mandatory) Pre-Bid Meeting

March 26, 2018

MAKING SAN ANTONIO
WATERFUL



Oral Statements (Contracting)

- Oral statements or discussion during the pre-bid meeting today will not be binding, nor will it change or affect the terms or conditions within the Plans and Specifications of these Projects. Changes, if any, will be addressed in writing only via an Addendum.

SMWVB Program Aspirational Goal

Industry	SMWVB Goal	Description
<p>Heavy Civil/Utility Construction</p>	<p>20%</p>	<ul style="list-style-type: none"> • Typically: Low-Bid • Rarely: CMAR, Design-Build, or RFCSP

Accepted SMWVB Certifications

- Minority Business Enterprise (MBE) (Includes AABE)
- Small Business Enterprise (SBE)
- Woman-owned Business Enterprise (WBE)
- Veteran-owned Business Enterprise (Tracked)

Accepted SMWVB Certification Agency

South Central Texas Regional Certification Agency



Texas Historically Underutilized Business (HUB) Program



****SBE-Certified (even MBEs and WBEs)****

****Local office or local equipment yard****

Vendor Registration & Notification (VRN)

Reasons to Register in the VRN

- Receive bid notices directly in your email “Inbox”.
- Download bid documents.
- Subscribe to specific bids.
- Receive addendum notifications.

http://www.saws.org/business_center/vendor/register.cfm

Good Faith Effort Plan (GFEP) FAQs

- **Q: Is the 20% SMWB goal mandatory?**

A: No, but we ask primes to do their best with good faith outreach efforts. If the goal is not met, proof of outreach efforts is required with the bid.

- **Q: What if I am having trouble finding SMWB subcontractors?**

A: Please email the SMWVB Program Mgr. with the scopes of work you are seeking. You will receive lists of local SMWVB-certified firms to contact.

Good Faith Effort Plan (GFEP) FAQs

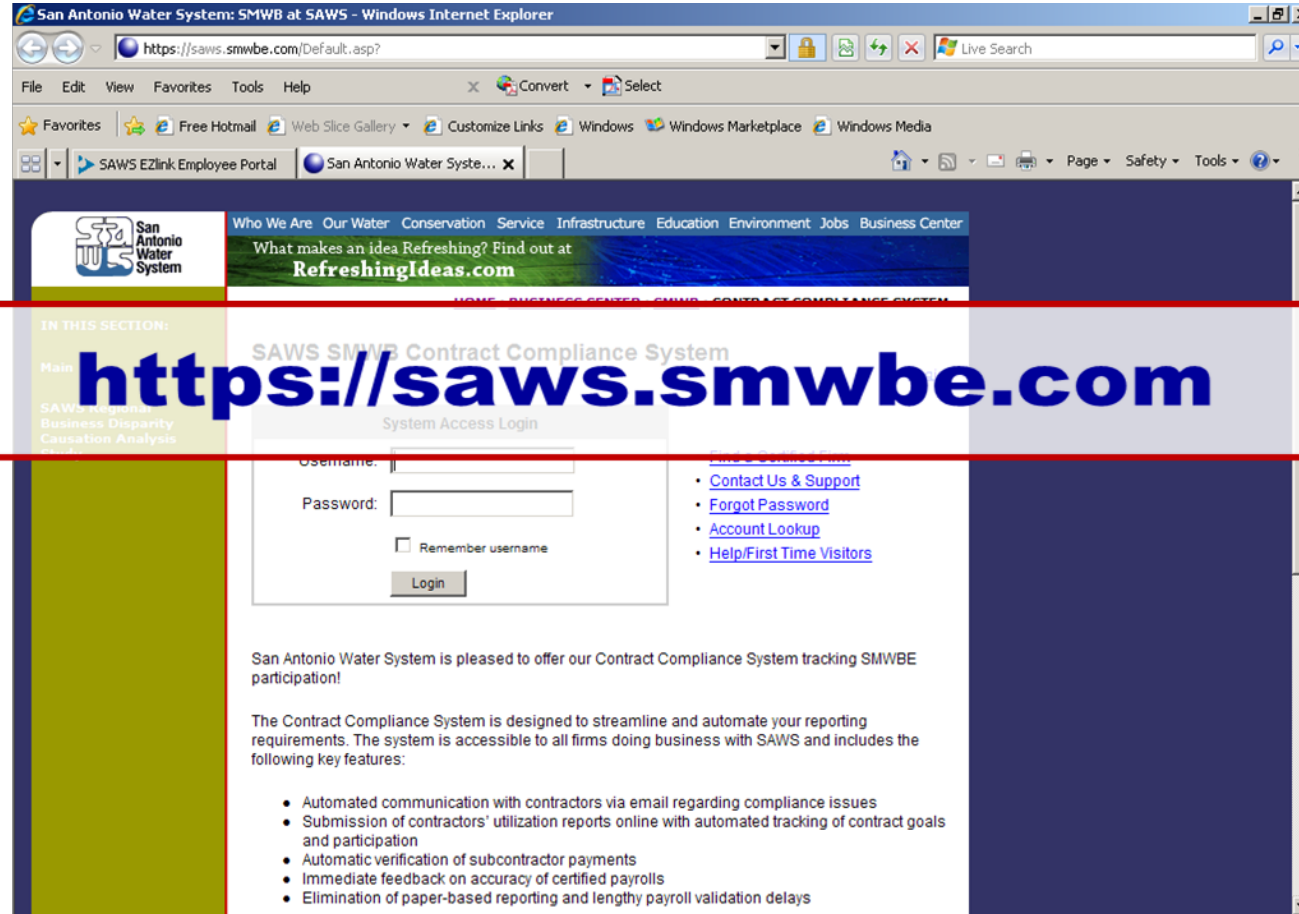
- **Q: What if my business is SMWVB-certified? Do I need to find SMWVB subs?**

A: If your firm is SMWVB-certified, you will most likely meet the goal. However, the GFEP is a required document, and a good faith outreach effort is still necessary.

- **Q: What if I have questions about the GFEP?**

A: Please contact the SMWVB Program Manager at 210-233-3420, or at marisol.robles@saws.org. GFEP questions can be asked at any time before deadline.

Subcontractor Payment & Utilization Reporting (S.P.U.R.) System Portal



Contract Requirements

Prevailing Wage Rate and Labor Standards – Section 2.10 of the General Conditions

- Certified payroll to be submitted on weekly basis
- Wage decisions are included within the specifications
- Contractors to utilize LCP Tracker
- Site visits are random and unannounced
- Interviews will be Conducted and will be private & confidential
- Payroll records are subject to review
- All apprenticeship programs will need to be approved by Department of Labor prior to starting
- Interviews will be Conducted and will be private & confidential
- Contractors are responsible for sub-contractor payroll
- Late payrolls delay contractor payments from SAWWS

Contract Requirements

Insurance— Section 5.7 of the General Conditions

- Installation Floater is required
- Compliant prior to executing the contract
- Will ask for insurance prior to Board award to expedite execution of the contract

Bid Packet Preparation

- Utilize the Bid Packet Checklist within the specifications
- SAWWS is requesting that the Statement of Bidder's Experience be completed and included by all bidders
- Double check all mathematical calculations and verify all extensions
- References and contact information must be verified prior to submitting bid(s)
- Addendums are now acknowledged on the Bid Proposals

Addendum(s)

Revisions, Clarifications, Questions and Answers (Q&A's)

- Questions deadline is 4:00 pm on Tuesday March 27, 2018.
- Q&A's will be posted on SAWWS website at 10:00 am on Friday March 30, 2018.
- Check our website regularly for the addendum posting.
- It is possible to have multiple addendums during the time frame in addition to the scheduled final addendum

Bid Opening Dates/Times

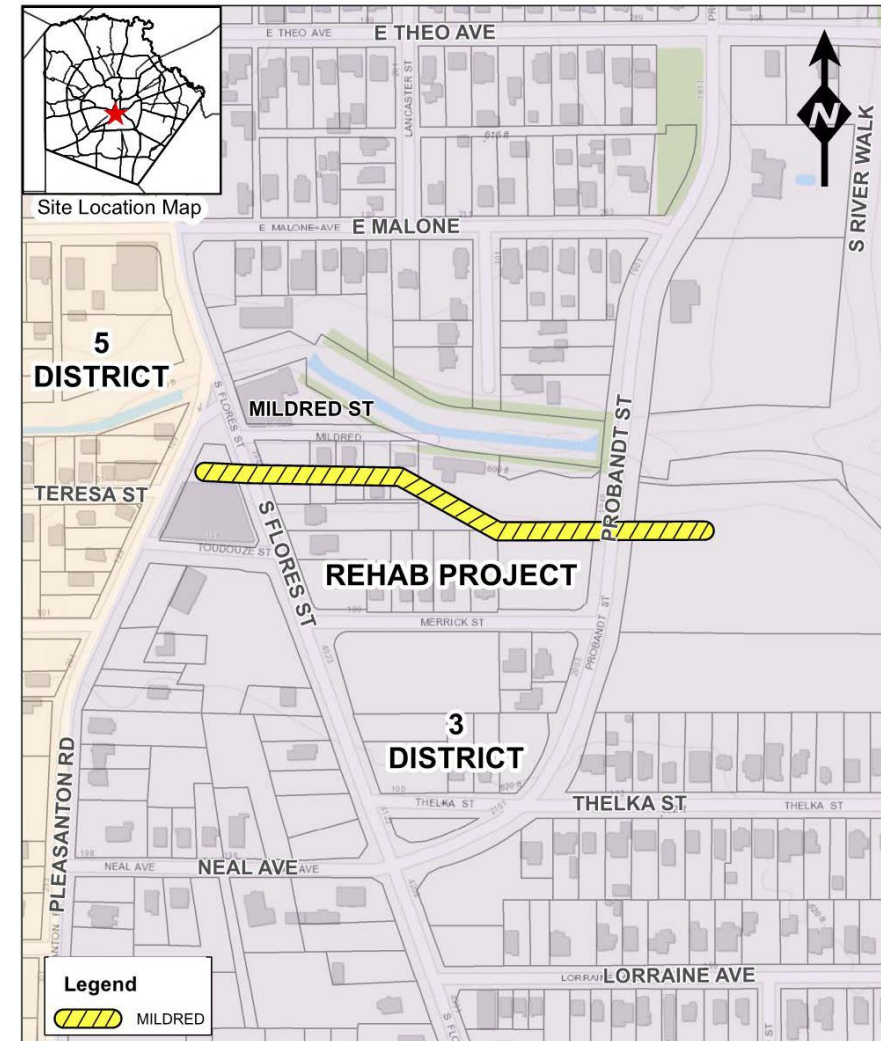
Friday April 6, 2018 at 10:00 am

- Bids may not be late
- Make arrangements if mailing and send directly to Contract Administration
- If delivering in person, bid packets will be turned in at Counter Services

Contract Background (SAWS Project Engineer)

Project Overview, including:

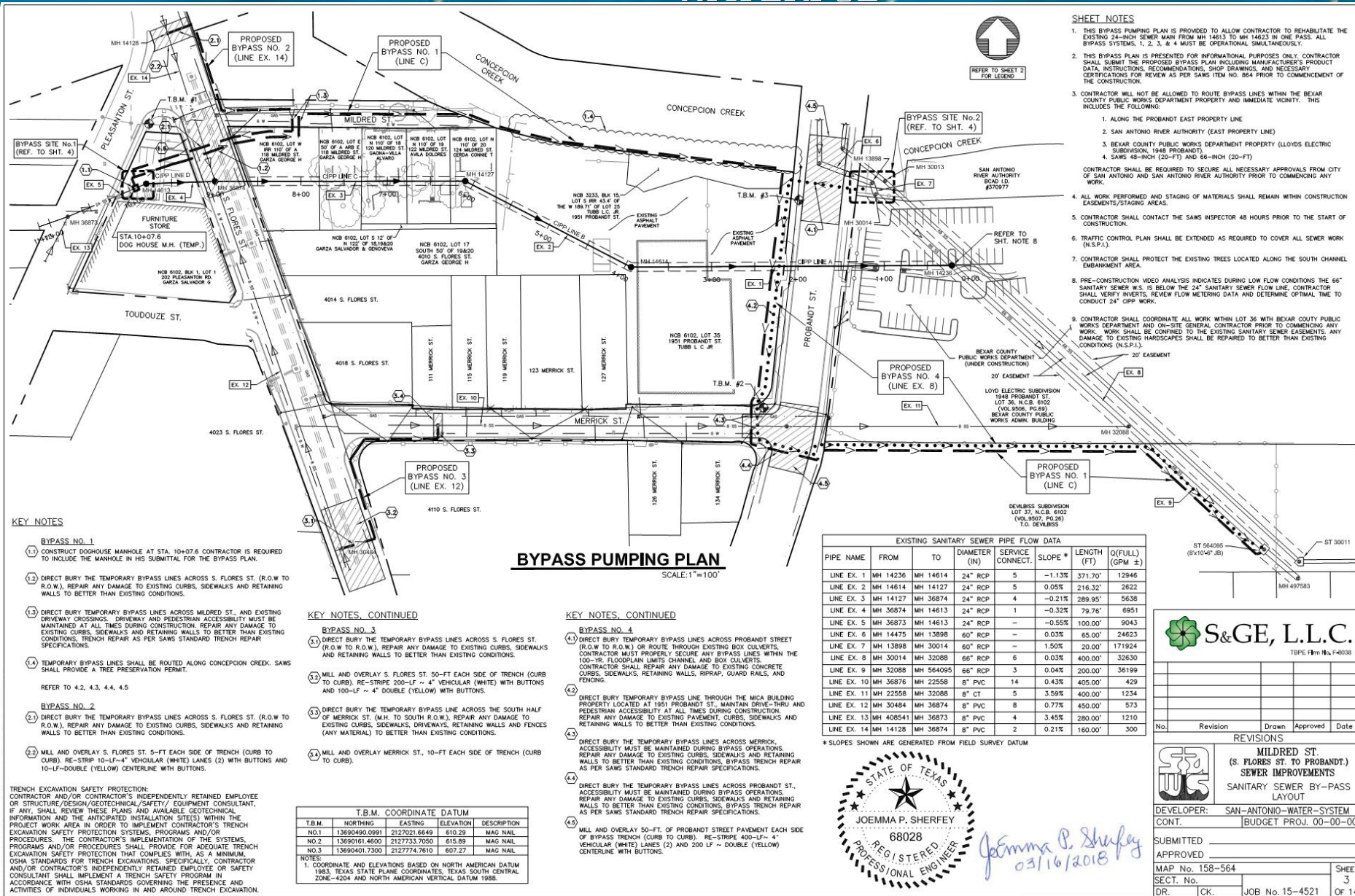
- 965 LF of 24' Sanitary Sewer Main to be installed via Cured-In-Place-Pipe (CIPP)
- Project is part of Consent Decree
- Contractor is to become familiar with the plans, specifications and the project site.



Mildred 24" Sewer Outfall – DR 881

Project Details (Project Engineer of Record/Consultant)

- ROEs for the Project
 - Project crosses 11 parcels
 - SAWWS has existing easements and obtained ROEs with right to construct for all properties
 - Please look in appendix A for ROE agreement information
- New Bexar County Public Works Building – Opening September 2018
 - Minimize time spent on property
 - Extensive Site Video will be needed
 - Constant Coordination will be required through project duration
- Be sure all private property is secured at the end of working day



- SHEET NOTES**
- THIS BYPASS PUMPING PLAN IS PROVIDED TO ALLOW CONTRACTOR TO REHABILITATE THE EXISTING 24-INCH SEWER MAIN FROM MH 14613 TO MH 14623 IN ONE PASS. ALL BYPASS SYSTEMS, 1, 2, 3, & 4 MUST BE OPERATIONAL SIMULTANEOUSLY.
 - THIS BYPASS PLAN IS PRESENTED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL SUBMIT THE PROPOSED BYPASS PLAN INCLUDING MANUFACTURER'S PRODUCT DATA, INSTRUCTIONS, RECOMMENDATIONS, SHOP DRAWINGS, AND NECESSARY CERTIFICATIONS FOR REVIEW AS PER SAWS ITEM NO. 864 PRIOR TO COMMENCEMENT OF THE CONSTRUCTION.
 - CONTRACTOR WILL NOT BE ALLOWED TO ROUTE BYPASS LINES WITHIN THE BEXAR COUNTY PUBLIC WORKS DEPARTMENT PROPERTY AND IMMEDIATE VICINITY. THIS INCLUDES THE FOLLOWING:
 - ALONG THE PROBRANDT EAST PROPERTY LINE
 - SAN ANTONIO RIVER AUTHORITY (EAST PROPERTY LINE)
 - BEXAR COUNTY PUBLIC WORKS DEPARTMENT PROPERTY (LOYDS ELECTRIC SUBDIVISION, 1948 PROBRANDT)
 - SAWS 48-INCH (CO-7) AND 66-INCH (20-FT)
 CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY APPROVALS FROM CITY OF SAN ANTONIO AND SAN ANTONIO RIVER AUTHORITY PRIOR TO COMMENCING ANY WORK.
 - ALL WORK PERFORMED AND STAGING OF MATERIALS SHALL REMAIN WITHIN CONSTRUCTION EASEMENTS/STAGING AREAS.
 - CONTRACTOR SHALL CONTACT THE SAWS INSPECTOR 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
 - TRAFFIC CONTROL PLAN SHALL BE EXTENDED AS REQUIRED TO COVER ALL SEWER WORK (N.S.P.I.).
 - CONTRACTOR SHALL PROTECT THE EXISTING TREES LOCATED ALONG THE SOUTH CHANNEL EMBANKMENT AREA.
 - PRE-CONSTRUCTION VIDEO ANALYSIS INDICATES DURING LOW FLOW CONDITIONS THE 66" SANITARY SEWER W/S IS BELOW THE 24" SANITARY SEWER FLOW LINE. CONTRACTOR SHALL VERIFY INVERTS, REVIEW FLOW METERING DATA AND DETERMINE OPTIMAL TIME TO CONDUCT 24" CIPP WORK.
 - CONTRACTOR SHALL COORDINATE ALL WORK WITHIN LOT 36 WITH BEXAR COUNTY PUBLIC WORKS DEPARTMENT AND ON-SITE GENERAL CONTRACTOR PRIOR TO COMMENCING ANY WORK. WORK SHALL BE CONFINED TO THE EXISTING SANITARY SEWER EASEMENTS. ANY DAMAGE TO EXISTING HARDSCAPES SHALL BE REPAIRED TO BETTER THAN EXISTING CONDITIONS (N.S.P.I.).

KEY NOTES

- BYPASS NO. 1**
- CONSTRUCT DOGHOUSE MANHOLE AT STA. 10+07.6. CONTRACTOR IS REQUIRED TO INCLUDE THE MANHOLE IN HIS SUBMITTAL FOR THE BYPASS PLAN.
 - DIRECT BURY THE TEMPORARY BYPASS LINES ACROSS S. FLORES ST. (R.O.W TO R.O.W.), REPAIR ANY DAMAGE TO EXISTING CURBS, SIDEWALKS AND RETAINING WALLS TO BETTER THAN EXISTING CONDITIONS.
 - DIRECT BURY TEMPORARY BYPASS LINES ACROSS MILDRED ST., AND EXISTING DRIVEWAY CROSSINGS, DRIVEWAY AND PEDESTRIAN ACCESSIBILITY MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. REPAIR ANY DAMAGE TO EXISTING CURBS, SIDEWALKS AND RETAINING WALLS TO BETTER THAN EXISTING CONDITIONS. TRENCH REPAIR AS PER SAWS STANDARD TRENCH REPAIR SPECIFICATIONS.
 - TEMPORARY BYPASS LINES SHALL BE ROUTED ALONG CONCEPCION CREEK. SAWS SHALL PROVIDE A TREE PRESERVATION PERMIT.
- REFER TO 4.2, 4.3, 4.4, 4.5
- BYPASS NO. 2**
- DIRECT BURY THE TEMPORARY BYPASS LINES ACROSS S. FLORES ST. (R.O.W TO R.O.W.), REPAIR ANY DAMAGE TO EXISTING CURBS, SIDEWALKS AND RETAINING WALLS TO BETTER THAN EXISTING CONDITIONS.
 - MILL AND OVERLAY S. FLORES ST. 5'-FT EACH SIDE OF TRENCH (CURB TO CURB). RE-STRIPE 10'-LF-4" VEHICULAR (WHITE) LANES (2) WITH BUTTONS AND 10'-LF-DOUBLE (YELLOW) CENTERLINE WITH BUTTONS.

TRENCH EXCAVATION SAFETY PROTECTION:
 CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURE/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 AREA 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.

KEY NOTES, CONTINUED

- BYPASS NO. 3**
- DIRECT BURY THE TEMPORARY BYPASS LINES ACROSS S. FLORES ST. (R.O.W TO R.O.W.), REPAIR ANY DAMAGE TO EXISTING CURBS, SIDEWALKS AND RETAINING WALLS TO BETTER THAN EXISTING CONDITIONS.
 - MILL AND OVERLAY S. FLORES ST. 50'-FT EACH SIDE OF TRENCH (CURB TO CURB). RE-STRIPE 200'-LF ~ 4" VEHICULAR (WHITE) WITH BUTTONS AND 100'-LF ~ 4" DOUBLE (YELLOW) WITH BUTTONS.
 - DIRECT BURY THE TEMPORARY BYPASS LINE ACROSS THE SOUTH HALF OF MERRICK ST. (M.H. TO SOUTH R.O.W.). REPAIR ANY DAMAGE TO EXISTING CURBS, SIDEWALKS, DRIVEWAYS, RETAINING WALLS AND FENCES (ANY MATERIAL) TO BETTER THAN EXISTING CONDITIONS.
 - MILL AND OVERLAY MERRICK ST., 10'-FT EACH SIDE OF TRENCH (CURB TO CURB).

T.B.M. COORDINATE DATUM

T.B.M.	NORTHING	EASTING	ELEVATION	DESCRIPTION
NO.1	13690490.0991	2127201.6649	610.29	MAG NAIL
NO.2	13690161.4600	2127733.7050	615.89	MAG NAIL
NO.3	13690401.7300	2127774.7610	607.27	MAG NAIL

NOTES:
 1. COORDINATE AND ELEVATIONS BASED ON NORTH AMERICAN DATUM 1983, TEXAS STATE PLANE COORDINATES, TEXAS SOUTH CENTRAL, ZONE-4204 AND NORTH AMERICAN VERTICAL DATUM 1985.

BYPASS PUMPING PLAN
 SCALE: 1"=100'

KEY NOTES, CONTINUED

- BYPASS NO. 4**
- DIRECT BURY TEMPORARY BYPASS LINES ACROSS PROBRANDT STREET (R.O.W TO R.O.W.) OR ROUTE THROUGH EXISTING BOULDER CURBS. CONTRACTOR MUST PROPERLY SECURE ANY BYPASS LINES WITHIN THE 100'-FT FLOODPLAIN LIMITS CHANNEL AND BOX CULVERTS. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING CONCRETE CURBS, SIDEWALKS, RETAINING WALLS, RIPRAP, GUARD RAILS, AND FENCING.
 - DIRECT BURY TEMPORARY BYPASS LINE THROUGH THE MCA BUILDING PROPERTY LOCATED AT 1951 PROBRANDT ST. MAINTAIN DRIVE-THRU AND PEDESTRIAN ACCESSIBILITY AT ALL TIMES DURING CONSTRUCTION. REPAIR ANY DAMAGE TO EXISTING PAVEMENT, CURBS, SIDEWALKS AND RETAINING WALLS TO BETTER THAN EXISTING CONDITIONS.
 - DIRECT BURY THE TEMPORARY BYPASS LINES ACROSS MERRICK. ACCESSIBILITY MUST BE MAINTAINED DURING BYPASS OPERATIONS. REPAIR ANY DAMAGE TO EXISTING CURBS, SIDEWALKS AND RETAINING WALLS TO BETTER THAN EXISTING CONDITIONS. BYPASS TRENCH REPAIR AS PER SAWS STANDARD TRENCH REPAIR SPECIFICATIONS.
 - DIRECT BURY THE TEMPORARY BYPASS LINES ACROSS PROBRANDT ST. ACCESSIBILITY MUST BE MAINTAINED DURING BYPASS OPERATIONS. REPAIR ANY DAMAGE TO EXISTING CURBS, SIDEWALKS AND RETAINING WALLS TO BETTER THAN EXISTING CONDITIONS. BYPASS TRENCH REPAIR AS PER SAWS STANDARD TRENCH REPAIR SPECIFICATIONS.
 - MILL AND OVERLAY 50'-FT. OF PROBRANDT STREET PAVEMENT EACH SIDE OF BYPASS TRENCH (CURB TO CURB). RE-STRIPE 400'-LF- 4" VEHICULAR (WHITE) LANES (2) AND 200 LF ~ DOUBLE (YELLOW) CENTERLINE WITH BUTTONS.

EXISTING SANITARY SEWER PIPE FLOW DATA

PIPE NAME	FROM	TO	DIAMETER (IN)	SERVICE CONNECT.	SLOPE *	LENGTH (FT)	Q(FULL) (GPM ±)
LINE EX. 1	MH 14236	MH 14614	24" RCP	5	-1.13%	371.70'	12946
LINE EX. 2	MH 14614	MH 14127	24" RCP	5	0.05%	216.32'	2622
LINE EX. 3	MH 14127	MH 36874	24" RCP	4	-0.21%	289.95'	5638
LINE EX. 4	MH 36874	MH 14613	24" RCP	1	-0.32%	79.76'	6951
LINE EX. 5	MH 36873	MH 14613	24" RCP	-	-0.55%	100.00'	9043
LINE EX. 6	MH 14475	MH 13898	60" RCP	-	0.03%	65.00'	24623
LINE EX. 7	MH 13898	MH 30014	60" RCP	-	1.50%	20.00'	171924
LINE EX. 8	MH 30014	MH 32088	66" RCP	6	0.03%	400.00'	32630
LINE EX. 9	MH 32088	MH 564095	66" RCP	3	0.04%	200.00'	36199
LINE EX. 10	MH 36876	MH 22558	8" PVC	14	0.43%	405.00'	429
LINE EX. 11	MH 22558	MH 32088	8" CT	5	3.59%	400.00'	1234
LINE EX. 12	MH 30484	MH 36874	8" PVC	8	0.77%	450.00'	573
LINE EX. 13	MH 408541	MH 36873	8" PVC	4	3.45%	280.00'	1210
LINE EX. 14	MH 14128	MH 36874	8" PVC	2	0.21%	160.00'	300

* SLOPES SHOWN ARE GENERATED FROM FIELD SURVEY DATUM

STATE OF TEXAS
 JOEMMA P. SHERFEY
 68028
 REGISTERED PROFESSIONAL ENGINEER
 03/16/2018

S&GE, L.L.C.
 TYPE Firm No. F-0038

No.	Revision	Drawn	Approved	Date

REVISIONS
 MILDRED ST. (S. FLORES ST. TO PROBRANDT.)
 SEWER IMPROVEMENTS
 SANITARY SEWER BY-PASS LAYOUT

DEVELOPER: SAN-ANTONIO-WATER-SYSTEM
 CONT. BUDGET PROJ. 00-00-00

SUBMITTED _____
 APPROVED _____

MAP No. 158-564 SHEET 3
 SECT. No. _____
 DR. [CK] JOB No. 15-4521 OF 14

Mildred 24" Sewer Outfall – DR 88 I



Contract Requirements (SAWS Project Engineer)

Supplemental Conditions

- Contractor shall perform the work with its own organization on at least 40% of the total original contract price.
- Additional Insurance Requirements
- Liquidated damages will be assessed as follows for final completion extending beyond contract time:

Liquidated Damages Charges		
Category	Duration (days)	Charge (\$) per day
Tier 1	1-7	\$460.00
Tier 2	8-14	\$540.00
Tier 3	15-21	\$600.00
Tier 4	22-28	\$640.00
Tier 5	29-35	\$670.00
Tier 6	36-42	\$690.00

- Any days tallied after 42 days will be assessed as a Tier 6 rate.

Contract Background

Special Conditions

- Final completion of all pipe segments shall be achieved in 90 calendar days.
- Contractor should perform work within permanent easements and ROE areas.
- Contractor should schedule work accordingly to complete the project within the 90 days.
- Indemnify and hold harmless LC Tubbs and Mica Corporation

Contract Background

- Traffic Control Plans, Bypass Pumping Plan will be responsibility of contractor and at no additional cost to SAWS
- Contractor's Bid Packet Checklist
- Detailed Construction schedule must be part of the bid
- Submittals can be submitted as soon as receiving notification of contract award after CPMS training (if necessary) has been completed

Contract Background (SAWS Inspector)

- Prior to commencing work, contractor must submit and receive approval of the following:
 - Bypass plan
 - Traffic control plan
 - Construction Schedule
 - Pre-site video
 - Lease agreement
- There will be one pre-construction meeting.
 - Remaining submittals will be required
- Contractor must submit a Work Progress Schedule within 10 days of NTP and monthly thereafter
- Contractor will be responsible for obtaining additional ROEs

Contract Background

External Agency Permit Requirements

- Contractor is responsible for getting CoSA ROW Permit.
- Changes in field that are cited by a CoSA ROW Inspector will require concurrence and approval from the SAWWS Inspector first.
- If contractor wants to work weekends, notification is required 48 hrs. in advance to SAWWS Construction Inspections. Requests should be send to constworkreq@saws.org

Contract Background

- All RFI's, RFP's, submittals, and any other items related to construction must be uploaded and processed via CPMS
- No work can be performed by the contractor unless the cost for that line item is on the contract.
- All traffic control plans must be submitted and approved by CoSA.
- Change orders, if any, will be based on negotiated prices not in the bid proposal
 - Negotiated using RS Means

Items to Note (SAWS Project Engineer or Consultant)

- Bexar County Public Works Building
- Private Property Access
- Additional Insurance Requirements
- Indemnity Requirements

Contact Information

<u>Contact Name</u>	<u>Title</u>	<u>Telephone Number</u>	<u>Email address</u>
Fred Flores	Contract Administrator	210-233-3404	Fred.Flores@saws.org
Marisol Robles	SMWVB Program Manager	210-233-3420	Marisol.Robles@saws.org

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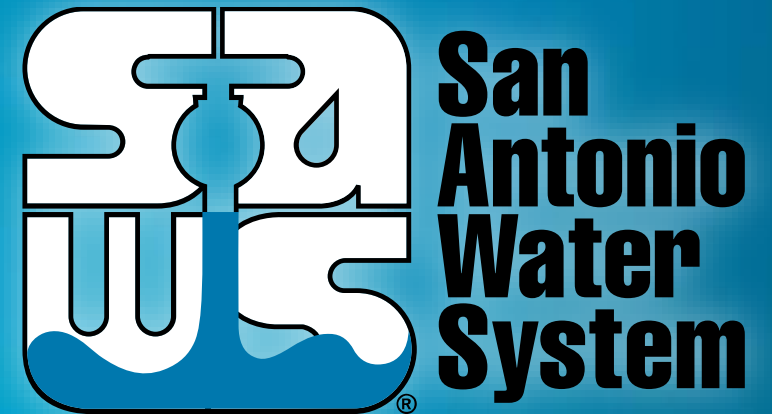
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