



**Multiple Sewershed Package 16A
Solicitation Number: CO-00396-RL
Job No.: 20-4506**

**ADDENDUM 1
March 24, 2021**

To Bidder 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 bid proposal.

RESPONSES TO QUESTIONS

- 1. After a few years of rigorous engineering evaluation and field demonstration applications Warren Epoxy was approved by your SAWS Product Review Committee. Our product was named and specified on the last two SAWS projects and I would request that you add us to ITEM 910 Manhole Rehabilitation as attached. Can Warren Epoxy System be added as an approved product under Item 910 for Epoxy coating without cementitious underlayment?**
Warren Epoxy system Product has been approved for testing by SAWS, but not approved product for the Multiple Sewershed Package 16A project. Contractor may submit the Warren Epoxy system product for review and evaluation during construction.
- 2. Will the Owner please let us know the flow data in these lines?**
Flow data is provided on the suggested bypass sheets (plan sheets 14, 16, 18, 20, 22, 24, 27, 29, 31, 33, 35, 39, 41, 44, 46, 49, 51, 53, 55, 58, 60, 62, 66, 68, and 70).
- 3. this project mentions a soil modulus of 500 psi. Will the Owner please confirm that 500 psi be used for the CIPP calculations?**
Refer to Item 5a of the of the Changes to the Specifications of this Addendum.
- 4. The Electronic Bid Opening Instructions state that the itemized list of bid items must be the first document in the bid file, but the Bid Packet Checklist indicates documents must be included in the order shown on the checklist, which does not show the list of bid items as the first document. Which is correct?**
Please include items in the order they are indicated on the Bid Packet Checklist.
- 5. The Bid Packet Checklist indicates that the Good Faith Effort Plan must be submitted with the Bid Packet, but the Supplemental Conditions to IB-24 says the Good Faith Effort Plan is to be submitted after the bid and only by the apparent low bidder. Which is correct?**
The Bid Packet Checklist. All bidders must submit the Good Faith Effort Plan with their bid. Refer to item 3 of the Changes to the Specifications of this Addendum.
- 6. Special Condition SC-1.2 says Project Locations not completed within the contractor's submitted and approved work schedule will be subject to liquidated damages as called out in the General Conditions and the Supplemental Conditions. Can the specified liquidated damages be applied to individual Project Locations, or only to the contract completion as a whole?**
The liquidated damages will be assessed based on the entire project, not individual project locations.

7. **It looks like some of the project areas are in TxDOT ROW, but all the traffic control items say they are per COSA spec. Should any of the traffic control items be per TxDOT spec?**

The traffic control within TxDOT ROW shall be as per the TxDOT specifications (TxDOT Item 502) and details. Refer to Item 2a of the Changes to the Specifications of this Addendum.

8. **Should there also be a small diameter bypass item for Site 25?**

The small diameter bypass setups are incidental to the large diameter bypass item as described in the Special Provisions to the Specifications.

9. **Will item 88 (1103.3) for Obstruction Removal by Remote Device be paid per manhole segment or per obstruction for this project?**

Measurement and payment will be manhole segment.

10. **CIPP standard specification section 901.4-3.e.6 requires a soil modulus of 500 psi be used in the CIPP thickness designs, but this soil modulus is overly conservative and will produce CIPP thicknesses that are thicker than needed, which will increase the difficulty of installation and overall project cost. On previous projects, this section has been replaced with language saying the Contractor was allowed to submit calculations signed and sealed by a Texas Professional Engineer utilizing other values for soil modulus so long as those values were part of the sealed calculations, the calculation method complied with ASTM F1216, and the soil modulus utilized did not exceed 1,000 psi. Please confirm that the Contractor will again be allowed to use values other than 500 psi for the soil modulus on this project?**

Refer to Item 5a of the Changes to the Specifications of this Addendum.

11. **Please clarify how bid item 89 (6001) for Portable Changeable Message Sign will be paid. Will it be per sign per Project Location?**

Payment will be per each sign per project location.

12. **CIPP standard specification section 901.4-3.e.7 specifies that the groundwater to be used in the CIPP thickness designs shall be at the ground surface or the elevation of the 100-year floodplain, whichever is greater. On previous projects, this section has been modified so that the reference to floodwater being used as a design parameter has been deleted. Please confirm that the floodwater will again not need to be considered in the CIPP thickness designs, and that this section shall be modified to simply require the groundwater depth to be at the ground surface. If floodwater loading must be included as a design parameter, please indicate which project locations this will apply to and provide the elevation of the floodwater level to be applied?**

CIPP standard specification will not be modified. In accordance with the CIPP standard specification, floodwater elevation will be considered in the CIPP thickness design for the following locations:

- a. Site 7: Approximately 751-ft
- b. Site 8: Approximately 744-ft
- c. Site 10: Approximately 778-ft
- d. Site 25: Approximately 615-ft
- e. Site 28: Approximately 582-ft

CHANGES TO THE SPECIFICATIONS

1. **Electronic Bid Opening Instructions:** Remove paragraph 3, number two (2) in its entirety.
2. **Bid Proposal:** Remove the Bid Proposal in its entirety and replace with the attached Bid Proposal. This revised version should be used by bidders when submitting a bid for this project. The following items were updated:
 - a. Items 22, 26, and 29: Revise the Spec No. to 502 and the Description to TxDOT Spec.
 - b. Items 77 and 79: Updated the quantity based on item 2 of the Changes to the Plans of this addendum.
3. **Supplemental Conditions to IB-24:** Delete bullet (e).
4. **Wage Decisions:** Remove 01/01/2021 – Building Wage Decision in its entirety and replace with the 03/12/2021 Building Wage Decision attached to this addendum.

5. **Special Provisions to the Technical Specifications, Item 901:** Add the following provisions:
 - a. **901.4.3.e.6 MATERIALS:** DELETE this section in its entirety and REPLACE with the following:
 - 6) Soil Modulus: 500 psi. Contractor may submit calculations signed and sealed by a Texas Professional Engineer utilizing other values for soil modulus so long as those values are part of the sealed calculations, and the calculation method complies with ASTM F1216. Allowable soil modulus shall not exceed 1,000 psi.
6. The estimated cost for this project has changed to \$1,778,781, which is also now reflected on SAWS website: https://apps.saws.org/Business_Center/Contractsol/Drill.cfm?id=3931&View=Yes
7. **Special Conditions.** Add the following item to the Special Conditions, Page SC-3:

SC.8 CCTV Information

Videos are available for download. To access the videos the bidder must complete and submit the release form; the FTP site links and passwords required to view the videos will be provided on receipt of this form. Please submit the form to Roxanne Lockhart, Contract Administrator, via email to roxanne.lockhart@saws.org or by fax to (210) 233-4293. NOTE: These videos are provided for information purposes only and are not included in the bid documents. The deterioration is an ongoing process, so the condition at the time of construction may be substantially different from that shown in the videos. The disclaimer form can be found at the following link:

https://apps.saws.org/business_center/contractsol/IFB/3931/CCTV%20Release%20Form%20M-16A.pdf

CHANGES TO THE PLANS

1. Remove Plan Sheet 3 in its entirety and replace it with the attached **Plan Sheet 3**. Below is a summary of the revisions:
 - a. Note 2 of the COSA Floodplain and ROW Notes is revised to update the contact phone number.
 - b. Note 3 of the Bypass Pumping Notes is revised to update the specification item.
 - c. Note 6 is added to the Bypass Pumping Notes.
2. Remove Plan Sheet 59 in its entirety and replace it with the attached **Plan Sheet 59**. The revised drawing corrects a typo to the length of the sewer main and associated bid item quantities.

END OF ADDENDUM

This Addendum is seventeen (17) pages in its entirety.

Attachments: Bid Proposal, BP-1 to BP-5 (5 pages total)
 Wage Decision for Building Construction Type (7 pages total)
 Plan Sheets 3 and 59 (2 pages)



3/24/21

Jose D. Maldonado

Jose D. Maldonado
 RJN Group, Inc.
 TBPE Registration No. F-3260

BID PROPOSAL

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

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation to Bidders, 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 bid proposal to wit:

PLEASE SEE ATTACHED LIST OF BID ITEMS.

BIDDER'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 Nos. _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

BID

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **270** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder 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 Bid 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

Solicitation No. CO-00396-RL
 SAWS Job No. 20-4506
 Multiple Sewershed Package 16A

Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
1	103.1	Remove Concrete Curb (COSA Spec)	LF	50		
2	103.3	Remove Concrete Sidewalks and Driveways (COSA Spec)	SF	290		
3	103.4	Remove Miscellaneous Concrete (COSA Spec)	SF	250		
4	203.1	Tack Coat (COSA Spec)	GAL	75		
5	205.3	Hot Mix Asphaltic Concrete Pavement, Type D (2" Compacted Depth) (COSA Spec)	SY	717		
6	206.1	Asphalt Treated Base (ATB) (10" Compacted Depth) (COSA Spec)	SY	55		
7	208.1	Salvaging Hauling & Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA Spec)	SY	670		
8	209	Concrete Pavement (7" depth)	SY	30		
9	413.1	Flowable Fill (Low Strength)	CY	10		
10	413.2	(Flowable Fill (High Strength)	CY	10		
11	500.1	Concrete Curb (COSA Spec)	LF	50		
12	502.1	Concrete Sidewalks - Conventionally Formed (COSA Spec)	SY	15		
13	503.1	Portland Cement Concrete Driveway	SY	10		
14	503.2	Portland Cement Concrete Driveway - Commercial	SY	10		
15	515.1	Topsoil (COSA Spec)	CY	30		
16	516	Sodding (COSA Spec)	SY	100		
17	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 1	EA	1		
18	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 2	EA	1		
19	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 3	EA	1		
20	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 4	EA	1		
21	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 5	EA	1		
22	502	Barricades, Signs, and Traffic Handling (TxDOT Spec), Site 9	EA	1		
23	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 11	EA	1		
24	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 12	EA	1		
25	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 13	EA	1		

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Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
26	502	Barricades, Signs, and Traffic Handling (TxDOT Spec), Site 14	EA	1		
27	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 16	EA	1		
28	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 17	EA	1		
29	502	Barricades, Signs, and Traffic Handling (TxDOT Spec), Site 18	EA	1		
30	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 19	EA	1		
31	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 20	EA	1		
32	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 21	EA	1		
33	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 22	EA	1		
34	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 23	EA	1		
35	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 24	EA	1		
36	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 25	EA	1		
37	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 26	EA	1		
38	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 27	EA	1		
39	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 28	EA	1		
40	530.1	Barricades, Signs, and Traffic Handling (COSA Spec), Site 29	EA	1		
41	540	Metal Beam Guard Fence (TXDOT)	LF	25		
42	542	Removing Metal Beam Guard Fence (TxDOT)	LF	25		
43	550	Trench Excavation Protection	LF	196		
44	851	Adjust Existing Manholes (new watertight ring and cover)	EA	59		
45	852	Sanitary Sewer Manhole (0'-6' depth) 4' Diameter	EA	2		
46	852	Extra Depth Manholes (greater than 6')	VF	8		
47	854.1	Sanitary Sewer Laterals, all sizes, all depths	LF	40		
48	854.2	Two-way Service Line Cleanout at Property Line	EA	13		
49	855	Reconstruction of Existing Manholes	EA	2		
50	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 1	EA	1		
51	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 2	EA	1		

Solicitation No. CO-00396-RL
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Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
52	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 3	EA	1		
53	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 4	EA	1		
54	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 5	EA	1		
55	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 7	EA	1		
56	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 8	EA	1		
57	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 9	EA	1		
58	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 10	EA	1		
59	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 11	EA	1		
60	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 12	EA	1		
61	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 13	EA	1		
62	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 14	EA	1		
63	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 16	EA	1		
64	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 17	EA	1		
65	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 18	EA	1		
66	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 19	EA	1		
67	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 20	EA	1		
68	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 21	EA	1		
69	864-S2	Bypass Pumping - Small Diameter Sanitary Sewers, Site 22	EA	1		
70	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 23	EA	1		
71	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 24	EA	1		
72	864-S2	Bypass Pumping - Large Diameter Sanitary Sewers, Site 25	EA	1		
73	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 26	EA	1		
74	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 27	EA	1		
75	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 28	EA	1		
76	864-S1	Bypass Pumping - Small Diameter Sanitary Sewers, Site 29	EA	1		
77	866	Sewer Main Pre-Television Inspection (8" through 15" diameter)	LF	10,883		

Solicitation No. CO-00396-RL
 SAWS Job No. 20-4506
 Multiple Sewershed Package 16A

Item No.	Spec No.	Description	Unit	Quantity	Unit Price	Total Price
78	866	Sewer Main Pre-Television Inspection (18" through 24" diameter)	LF	347		
79	901.1	Install 8" CIPP Sanitary Sewer Pipe (hot water), all depths	LF	8,530		
80	901.1	Install 10" CIPP Sanitary Sewer Pipe (hot water), all depths	LF	585		
81	901.1	Install 12" CIPP Sanitary Sewer Pipe (hot water), all depths	LF	1,507		
82	901.1	Install 21" CIPP Sanitary Sewer Pipe (hot water), all depths	LF	347		
83	910	Manhole Rehabilitation (Standard Manholes 4-ft Diameter)	VF	471		
84	1109	Service Reconnection, (w/ open cut excavation), all depths, including up to 5 LF from the main)	EA	12		
85	1109	Service Reconnection, (w/ remote control cut device), all depths	EA	183		
86	1103.1	Point Repairs for 8" or 12" diameter, all depths, including up to 9 LF of piping	EA	16		
87	1103.2	Extra length point repair, 8" or 12" Diameter, all depths	LF	25		
88	1103.3	Obstruction removal by remote device	EA	8		
89	6001	Portable Changeable Message Sign (TxDOT Spec)	EA	10		
SUBTOTAL (ITEMS 1-89)						

90	100	Mobilization and Demobilization, MAX 10% of Line Items 1-89)	L.S	1		
91	101	Preparing Right of Way, MAX 5% of Line (Items 1-89)	L.S	1		

Mobilization and Prep of ROW shall be limited to the maximum percentage shown. **If the percentage exceeds the allowable maximum stated for mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at percentages shown and adjust the extensions of the bid items accordingly.**

TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1-89 AND 90-91)	
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"General Decision Number: TX20210231 03/12/2021

Superseded General Decision Number: TX20200231

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: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 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, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 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 calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021
1	03/12/2021

ASBE0087-014 03/02/2020

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)....	\$ 23.97	10.79

BOIL0074-003 01/01/2017

	Rates	Fringes
BOILERMAKER.....	\$ 28.00	22.35

ELEC0060-003 07/27/2020

	Rates	Fringes
ELECTRICIAN (Communication Technician Only).....	\$ 29.60	15%+5.45

ELEC0060-004 07/27/2020

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring).....	\$ 29.60	18%+5.45

* ELEV0081-001 01/01/2021

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 43.31	36.365

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 06/01/2020

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 23.45	6.83

IRON0084-011 06/01/2020

	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 25.26	7.13

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
Including HVAC Pipe Installation		
PLUMBER (Excludes HVAC Pipe Installation).....	\$ 31.90	13.76
Excludes HVAC Pipe Installation		

 * SFTX0669-002 01/01/2021

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 30.64	22.20

 SHEE0067-004 07/01/2020

	Rates	Fringes
Sheet metal worker		
Excludes HVAC Duct Installation.....	\$ 27.31	15.51
HVAC Duct Installation Only.....	\$ 27.31	15.51

 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

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

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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 www.dol.gov/whd/govcontracts.

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)).

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.

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 Regional Office for the area in which the survey was conducted because those Regional Offices have 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.

=====

END OF GENERAL DECISION"

FENCING NOTES

- CONTRACTOR SHALL MAINTAIN EXISTING FENCES ADJACENT TO AND ACROSS THE PROJECT CORRIDOR. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING ANY TEMPORARY FENCES, GAPS, GATES ETC. NECESSARY FOR CONSTRUCTION OF THE PROJECT (NSPI).
- AT THE COMPLETION OF THE PROJECT, CONTRACTOR SHALL RESTORE ALL FENCING AFFECTED BY THE PROJECT TO ITS ORIGINAL OR BETTER CONDITION (NSPI). CITY OF SAN ANTONIO RIGHT-OF-WAY ORDINANCE
- THE CITY OF SAN ANTONIO (COSA) ADOPTED "RIGHT OF WAY MANAGEMENT REGULATIONS" EFFECTIVE MAY 1, 2001 TO MANAGE CONSTRUCTION, EXCAVATION, AND PLACEMENT OF UTILITIES WITHIN CITY RIGHT-OF-WAYS. AS PART OF THE ORDINANCE, THE COSA DEVELOPED THE "UTILITY EXCAVATION CRITERIA MANUAL" (UCEM) TO PROVIDE POLICY AND TECHNICAL GUIDANCE FOR EXCAVATING AND BACKFILLING WITHIN CITY RIGHT-OF-WAYS.
- THE CONTRACTOR SHALL OBTAIN COPIES OF THESE DOCUMENTS AND SHALL EXECUTE HIS WORK IN ACCORDANCE WITH THE RULES, REGULATIONS AND CRITERIA OUTLINED IN THE DOCUMENTS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER (IN WRITING) OF DISCREPANCIES BETWEEN THE DOCUMENTS.

MATERIALS TESTING

- MATERIALS TESTING FOR THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PAYMENT FOR TESTING WILL NOT BE PAID SEPARATELY BUT SHALL BE INCORPORATED INTO THE ITEMS TO WHICH IT PERTAINS.
- MATERIALS TESTING SHALL COMPLY WITH APPLICABLE REQUIREMENTS PER SAWS SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION, CITY OF SAN ANTONIO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- FULL PAYMENT WILL NOT BE MADE UNTIL ALL TESTING IS COMPLETE AND APPROVED.

MATERIALS STAGING AND LAYDOWN AREAS

- NO PROPERTY HAS BEEN DESIGNATED BY SAWS FOR CONTRACTOR'S MATERIALS STAGING, LAYDOWN AND FIELD OFFICE AREAS. CONTRACTOR SHALL MAKE SEPARATE ARRANGEMENTS WITH OTHERS FOR ANY SUCH REQUIREMENTS.
- CONTRACTOR SHALL INDEMNIFY SAWS AND THE ENGINEER FROM ANY THIRD PARTY LIABILITIES ASSOCIATED WITH THE CONTRACTOR'S USE OF ANY SUCH AREAS.
- PRIOR TO CLEARING ROW AND CONSTRUCTION, CONTRACTOR SHALL STAKE BOTH SIDES OF RIGHT OF ENTRY AREA AT 50 FOOT INTERVALS. STAKING SHALL BE BY SURVEY LATH OR SIMILAR AND SHALL INCLUDE CENTERLINE STATION. STAKING SHALL BE NO SEPARATE PAY ITEM.

COSA FLOODPLAIN AND ROW NOTES

- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STORM WATER PERMITS, FEES AND APPROVALS. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET RIGHT-OF-WAY NOT INDICATED ON THE CONSTRUCTION PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING DRAINAGE FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING DRAINAGE SYSTEMS, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS EXPENSE. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT 210-207-8047 AS SOON AS CONFLICTS WITH UTILITIES ARE ENCOUNTERED OR ANY DRAINAGE SYSTEM IS DAMAGED DURING CONSTRUCTION.
- CONSTRUCTION SPOILS WILL NOT BE ALLOWED TO BE DEPOSITED ANYWHERE WITHIN A DRAINAGE EASEMENT, RIGHT-OF-WAY OR FLOODPLAIN WITHIN THE LIMITS OF THE PROJECT AND SHALL BE DISPOSED OFF SITE IN COMPLIANCE WITH CURRENT APPLICABLE REGULATIONS.
- NO STRUCTURE, FENCES, WALLS, LANDSCAPING, OR OTHER OBSTRUCTIONS THAT IMPEDE DRAINAGE SHALL BE PLACED WITHIN THE LIMITS OF THE DRAINAGE EASEMENTS SHOWN ON THE CONSTRUCTION DOCUMENTS.
- UPON COMPLETION OF TRENCHING, THE AREA WILL BE BACKFILLED AND COMPACTED TO ITS ORIGINAL CONDITION. TRENCHES/BORE PITS OPEN AND UNATTENDED LONGER THAN 24 HOURS SHALL BE PROTECTED TO WITHSTAND ALL HYDRODYNAMIC AND HYDROSTATIC FORCES AND PREVENT DOWNSTREAM IMPACTS. TRENCHES/BORE PITS TO BE OPEN LONGER THAN 30 DAYS AFTER STARTING EXCAVATION SHALL BE BACKFILLED WITH A SEMI-PERMANENT REPAIR BACKFILL.
- IMPROVED SECTIONS OF EARTHEN CHANNELS AND/OR WATERWAYS WILL BE VEGETATED BY SEEDING OR SODDING, EIGHTY-FIVE PERCENT OF THE CHANNEL SURFACE AREA MUST HAVE ESTABLISHED VEGETATION BEFORE THE CITY OF SAN ANTONIO WILL ACCEPT THE CHANNEL FOR MAINTENANCE.
- CONTRACTOR IS TO MAINTAIN UNRESTRICTED DRAINAGE OF THE PROJECT SITE AND ADJACENT AREAS DURING CONSTRUCTION.
- NO CONSTRUCTION MATERIALS, CONSTRUCTION SPOILS OR WASTE MATERIALS SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER FLOW LIMITS OF THE EXISTING NATURAL DRAINAGE OR PLACED WITHIN THE LIMITS OF THE EXISTING FLOOD PLAIN.

210-206-8433

ENVIRONMENTAL

- THE CONTRACTOR IS REQUIRED TO RE-SEED DISTURBED AREAS WITH NATIVE VEGETATION SEED IN ACCORDANCE WITH COSA ITEM 520 - HYDROMULCHING EXCEPT IN AREAS OF FARM CROPS WHERE THEY ARE TO DISC THE TOPSOIL WITH NO REVEGETATION: IN ADDITION, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DAMAGES TO PROPERTY OUTSIDE OF THE EASEMENT LIMITS, INCLUDING REVEGETATION COSTS.
- CONTRACTOR TO ESTABLISH SILT FENCING AND/OR ROCK BERM IN ALL AREAS TO BE IMPACTED BY CONSTRUCTION AND MAINTAIN UNTIL SUITABLE GROUND COVER/VEGETATION IS ACCEPTED.
- IF A THREATENED OR ENDANGERED PLANT OR ANIMAL SPECIES AND/OR CULTURAL ARCHAEOLOGICAL RESOURCES ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY SAWS.
- DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT WHICH MAY ENTER RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED ON ANY WETLANDS, WATER BODY, OR STREAM BED. THE CONTRACTOR SHALL LOCATE AND CONSTRUCT CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AND PARKING AREAS IN A MANNER TO MINIMIZE POLLUTANT RUNOFF.
- THE CONTRACTOR SHALL CLEAR ALL WATER WAYS AS SOON AS PRACTICABLE OF ALL TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING, DEBRIS, AND OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS WHICH ARE NOT PART OF THE FINISHED WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FILING A NOTICE OF INTENT (NOI) AT THE START OF CONSTRUCTION WITH THE TCEQ AND A NOTICE OF TERMINATION (NOT) AT THE END, ALSO WITH TCEQ.
- TRIMMING OF TREES SHALL BE ACCOMPLISHED USING A SAW OR PRUNING SHEARS. ALL CUT LIMBS OVER 1 INCH IN DIAMETER SHALL BE PAINTED WITH TREE WOUND PAINT IMMEDIATELY AFTER TREE TRIMMING.

CPS ENERGY NOTES

- CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
- DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, CPS ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

ADDITIONAL NOTES

- THE CONTRACTOR SHALL CALL FOR LOCATES THROUGH THE "ONE CALL" UTILITY LOCATE SERVICE (1-800-344-8377) 48 HOURS PRIOR TO CONSTRUCTION/EXCAVATION WORK, CONTRACTORS HAVE THE RESPONSIBILITY TO PROTECT AND SUPPORT TELEPHONE COMPANY PLANT DURING CONSTRUCTION.
- FOR SAWS CONSTRUCTION DETAILS GO TO (WWW.SAWS.ORG)
- NSPI = NOT SEPARATE PAY ITEM.
- ALL TREE PROTECTION SHALL BE NSPI.
- THE CONTRACTOR SHALL CONFINE CONSTRUCTION OPERATIONS TO WITHIN EASEMENT LIMITS AND/OR THE RIGHT-OF-WAY.

SEWER LATERAL NOTES

- SEWER LATERAL PLACEMENTS WERE BASED ON PRE-TELEVISION INSPECTION AND SAWS BLOCK MAPS. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF THE SEWER LATERAL LOCATIONS AND EXISTING UTILITIES BEFORE CONSTRUCTION BEGINS.
- CLEANOUTS ARE GRAPHICALLY SHOWN AT PROPERTY LINE. CONTRACTOR SHALL PLACE CLEANOUT FOR SEWER LATERAL WITHIN R.O.W. OR EXISTING EASEMENT FOLLOWING THE TYPICAL CLEANOUT DETAILS ON SHEET D-1.

GAS SERVICE NOTE:

CONTRACTOR TO LOCATE AND EXPOSE ALL GAS SERVICE LINES THAT CROSS THE EXISTING SAWS SEWER MAIN OR SEWER MAINS TO BE REPLACED TO AVOID DAMAGE TO THE CPS GAS SERVICE LINE (NSPI)

EXISTING UTILITIES NOTES:

THE LOCATION AND DEPTH OF EASEMENTS, IF ANY, SHOWN IN THE PLANS ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL THE EXISTING PUBLIC AND PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO WATER, SANITARY SEWER, SERVICE LATERALS, TELEPHONE, CABLE TELEVISIONS, DATA TRANSFER CABLES, COMMUNICATIONS, DUCT BANKS, UTILITY VAULTS, GAS, HEATING AND COOLING, UNDERGROUND ELECTRIC, FIBER OPTIC AND THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION. ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. (NSPI). PROTECT AND SUPPORT EXISTING UTILITIES.

SITE LAYOUT NOTES

- THE CONTRACTOR SHALL REVIEW MISCELLANEOUS DETAILS SHEET FOR TRENCH EXCAVATION, PAVEMENT REPAIR, SIDEWALK, DRIVEWAY REPAIR, AND RAMP USE FOR BYPASS BUMPING.
- LOCATIONS OF POINT REPAIRS ARE BASED ON THE CCTV AVAILABLE DURING DESIGN; THE CONTRACTOR SHALL VERIFY THE LIMITS FROM THE PRE-TELEVISION INSPECTION.
- THE CONTRACTOR SHALL VERIFY THE PIPE DIAMETER OF EACH SANITARY SEWER MAIN TO BE REHABILITATED PRIOR TO ORDERING THE LINER. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SAWS OF ANY DEVIATION OF PIPE DIAMETER WITH A RFI.
- THE CONTRACTOR IS MADE AWARE THAT A FULL SURVEY WAS NOT COMPLETED FOR THIS PROJECT. OBJECTS SUCH AS POWER POLES AND OTHER UTILITIES ARE INCLUDED FOR REFERENCE BASED ON AVAILABLE INFORMATION AND NEED TO BE FIELD VERIFIED.
- THE USE OF ITEMS 515.1 AND 516 MUST BE APPROVED BY SAWS PRIOR TO THEIR USE.

BYPASS PUMPING NOTES

- CONTRACTOR MUST NOTIFY AND/OR CONTACT SAWS INSPECTION AT 210-233-3500 48 HOURS BEFORE ANY OF THE FOLLOWING ACTIVITIES TAKE PLACE.
 - NOTIFICATION OF PRE-TELEVISION INSPECTION
 - NOTIFICATION OF BYPASS PUMPING SETUP OPERATIONS.
 - NOTIFICATION OF THE PIPE INSTALLATION.
- CONTRACTOR MUST FIELD VERIFY ALL DEPTHS, DISTANCES, PIPE SIZES, AND GRADES BEFORE START OF CONSTRUCTION.
- BYPASS PUMPING LAYOUTS ARE SHOWN AS CONCEPTUAL LAYOUTS ONLY. CONTRACTOR SHALL SUBMIT A BYPASS PUMPING AND PHASING PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF THE CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PREPARING BYPASS PUMPING AND PHASING PLAN PER SPECIFICATION 865.864 S-1 AND 864 S-2
- PORTIONS OF BYPASS PIPING WILL REQUIRE ROAD RAMPS OR NEED TO BE BURIED IN ORDER TO MAINTAIN TRAFFIC THROUGH INTERSECTIONS AND ACCESS TO DRIVEWAYS. ANY RESTORATION REQUIRED (INCLUDING PAVEMENT) DUE TO THE CONTRACTOR'S BYPASS PUMPING PLAN SHALL BE INCIDENTAL (NSPI).
- THE INSTALLATION OF ANY MANHOLES NEEDED FOR THE SOLE PURPOSE OF BYPASSING FLOW TO FACILITATE THE PROPOSED WORK IS CONSIDERED INCIDENTAL COST TO THE COST OF THE BYPASS PUMPING PAY ITEM, INCLUDING ALL ASSOCIATED WORK SUCH AS PAVEMENT RESTORATION.

EXISTING IMPROVEMENTS

*ALL EXISTING IMPROVEMENTS WITHIN THE PROJECT AREA, WHICH ARE NOT COVERED UNDER THE UNIT PRICE BID PROPOSAL, SHALL BE PROTECTED OR REMOVED AND REPLACED TO EXISTING CONDITION OR BETTER AT NO ADDITIONAL COST TO THE OWNER.

6. CONTRACTOR SHALL ACCOUNT FOR EXISTING DRAINAGE STRUCTURES (INLETS, SIDEWALK BRIDGE, ETC.) WHEN PLACING BYPASS LINES DURING BYPASS OPERATIONS. DRAINAGE TO THESE FEATURES SHOULD NOT BE BLOCKED.



RJN GROUP INC.
Texas Registered Engineering Firm F-3260
8940 Fourwinds Dr. Suite 312
San Antonio, TX 78239-1923



1	REVISE NOTE	JDM	3/3/21
2	ADD NOTE	JDM	3/3/21

No.	Revision	Drawn	Approved	Date
REVISIONS				
MULTIPLE SEWERSHED PACKAGE 16A				
GENERAL NOTES 2				
DEVELOPER:		BUDGET PROJ.		
CONT.				
SUBMITTED				
APPROVED				
MAP No.				SHEET
SECT. No.				
DR. SRC				
CK. JDM			JOB No. 20-4506	
				3
				OF 107



ESTIMATED QUANTITIES			
Spec No.	Description	Unit	Quantity
530.1	Barricades, Signs, and Traffic Handling (COSA Spec)	EA	1
851	Adjust Existing Manholes (new watertight ring and cover)	EA	2
864-S2	Bypass Pumping - Large Diameter Sanitary Sewers	EA	1
866	Sewer Main Pre-Television Inspection (8" through 15" diameter)	LF	183 103
901.1	Install 8" CIPP Sanitary Sewer Pipe (hot water), all depths	LF	183 103
910	Manhole Rehabilitation (Standard Manholes 4-ft Diameter)	VF	5
1109	Service Reconnection, (w/ remote control cut device), all depths	EA	1
1103.3	Obstruction removal by remote device	EA	1

0 10' 20' 40'
HORIZ. SCALE: 1" = 40'

WARNING!!!
EXISTING UNDERGROUND TELEPHONE, OVERHEAD, UNDERGROUND ELECTRIC AND GAS UTILITIES IN AREA, CONTACT UTILITY LOCATOR 48 HOURS PRIOR TO CONSTRUCTION

LEGEND

EXISTING WATER	— EX W-8" —
EXISTING SEWER	— EX SS-8" —
EXISTING STORM DRAIN	— 24"SD —
EXISTING RECYCLED WATER	— 36"RW —
EXISTING SEWER MANHOLE	⊙
EXISTING GAS	— EX G-4" —
PROPOSED SEWER MAIN	—> —
PROPOSED SEWER MANHOLE	⊙
EXIST. OVERHEAD ELECTRIC	— OE —
EXIST. UNDERGROUND ELECTRIC	— UE —
EXISTING UTILITY POLE	●
FIBER OPTIC	— FO —
PROPOSED POINT REPAIR	□
SURFACE RESTORATION	▨
PROPERTY LINE	---
EASEMENT LINE	- - - -
100-YEAR FLOODPLAIN	--- (blue) ---
SERVICE RECONNECT BY REMOTE	①
SERVICE RECONNECT BY EXCAVATION	②
SERVICE NOT CONFIRMED BY CCTV	#*

JOSE D. MALDONADO
96705
LICENSED PROFESSIONAL ENGINEER
2/26/21

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Engineering infrastructure for tomorrow

1	REVISED LENGTH	JDM	3/3/21

No. Revision Drawn Approved Date

REVISIONS

MULTIPLE SEWERSHED PACKAGE 16A
SITE 25 - TERESA ST

DEVELOPER:		BUDGET PROJ.	
CONT.			
SUBMITTED			
APPROVED			
MAP No.		JOB No. 20-4506	SHEET 59 OF 107
SECT. No.			
DR. SRC	CK. JDM		

NOTE:
1. OBSTRUCTION REMOVAL BY REMOTE DEVICE ANTICIPATED ON THE PIPE SEGMENT TO REMOVE HARDENED MINERAL DEPOSITS, RUST SCALE AND TUBERCULATION. MEASUREMENT AND PAYMENT SHALL BE PER PIPE SEGMENT (MANHOLE TO MANHOLE) REGARDLESS OF LENGTH.