



WATER PRODUCTION FACILITIES DISINFECTION SYSTEMS UPGRADE PHASE III

Solicitation No: CO-00384

Job No.: 19-6007

ADDENDUM 2

Date: May 25, 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. **Question: I do not see where they are needing a pad for the "Injection Point" at the Seale PS site. On sheet S-14 it shows there is a pad for the schedule, but I am confused on where it would be needing to go. Please advise.**
Response: The referenced pad (28'-6" x 7'-7") is no longer needed. See Changes to the Drawings, item 2.

2. **Question: Will a formal site visit be scheduled for this project? I apologize if this was addressed in the pre-bid meeting.**
Response: A site visit is not scheduled for this project.

3. **Question: Per the requirement listed below for the Key Personnel, please confirm you want these 7 people on the site full time from NTP to project completion. We would like to clarify that SAWS is expecting the contractor to carry full time wages for the 7 key personnel for the full 720 days of this project. On average these 7 employees make \$140,000 to \$160,000 per year. If we are required to have them on this project full time the total wages to SAWS Will be an additional \$2,000,000 to \$2,500,000 compared to if they are not be required full time.**

The personnel specified below are considered by SAWS to be essential to the work being performed under this Contract, and as such are defined as Key Personnel. Key Personnel include the Project Manager, Project Superintendent, Quality Control (QC) Manager, Electrical Project Manager, Electrical Superintendent, Process Control Systems Integrator (PCSI) Project Manager, and Application Services Provider (ASP) Project Manager. Key Personnel shall be dedicated exclusively to this Project and shall be assigned as full-time employees for the duration of the project.

Response: The Key Personnel identified in the Supplementary Instruction to Respondents (SIR) evaluation criteria forms are considered essential to the work included as part of this contract. And, as such they must remain actively involved throughout the construction phase and be available. In accordance with the General Conditions, the proposed Superintendent shall provide full-time on-site supervision to Work ongoing at the site. SAWS expects the contractors to assign and provide qualified Key Personnel that can effectively fulfill the responsibilities of their role for the duration of the project. Contractors must use their best judgement to ensure proposed Key Personnel remain effectively involved in the project for its entire duration.

4. **Question: A subcontractor specializing in Lead/Asbestos abatement has requested a site visit for both facilities in order to review the environmental report and provide the most competitive pricing. Will any site visits be able to be scheduled?**

Response: A site visit is not scheduled for this project. The Pre-Demolition Environmental Survey Report has been made available for Contractor's use for informational purposes only through the SAWS Contract Solicitation center.

- 5. Question: Please provide specification for new Medium Voltage Switch sections.**
Response: A specification will not be provided for the Medium Voltage Switch Sections. As described in Notes 1 and 2 on Contract Drawing EA-06 and Notes 1 and 2 on Drawing EB-06, the contractor is required to obtain the services of the original OEM (Siemens for both sites) to provide new switches as required to tie into the existing switchgear. There is enough information available on the drawings and notes to supply the required equipment.
- 6. Question: Please provide nameplate information for Seale Pump Station Existing Main Switchgear shown on EB-06.**
Response: Nameplate information is currently not available at Seale. It is identified as Siemens gear. Siemens should be contacted and provide necessary information.
- 7. Question: Request approval to use Capital Precast for electrical manholes and handholes as specified in Section 26 05 43.**
Response: Capital Precast can be submitted by the selected contractor as an approved equal product during shop drawing review.
- 8. Question: Duct bank sections for cables TX-SFA and TX-SFB call for cables to be installed in 5" conduits, whereas one-line diagrams show to be installed in 4" conduit. Please confirm correct conduit size for each.**
Response: Refer to Changes to the Drawings section in this addendum, items 4-5, for clarification to conduit size. 5" shall be used.
- 9. Question: Please confirm if combination expansion-deflection fittings are required in all locations where conduits transition from below grade to exposed above grade as stated in General Note 6 on E-Q3. Raceway specification 26 05 33 states these are required where crossing structure expansion joints and in exposed runs longer than 150 ft. There is no mention in the specification for use in below grade to above grade transitions that we could find.**
Response: There is not a requirement to use expansion-deflection fittings in all locations where conduits transition from below grade to above grade. Use as required and described in the specifications. Ductbanks are to be doweled into the building as per Detail E26 on Drawing EZ-02, not requiring expansion fittings.
- 10. Question: Please confirm a site visit will be allowed to investigate existing installations as noted in General Note 28 on E-Q3. If a site visit will not be allowed, we request General Note 28 to be removed.**
Response: A site visit is not scheduled for this project. Refer to Changes to the Drawings section in this addendum, item 3, for deletion of Note 28.
- 11. Question: Sheet C-02 – Please provide top of wall elevations for the four sound walls.**
Response: See Sheet S-05. Top of Wall is 14'-9" above grade. Contractor would need to determine top of wall elevations from their surveyed grade elevations at each sound wall location.
- 12. Question: Will a temporary fluoride system be required at either site?**
Response: No, a temporary fluoride system is not required during construction.
- 13. Question: Sheet C-03 – Please confirm that there is a nitrogen gas line to be crossed?**
Response: The gas line shown on Sheet C-03 is a nitrogen gas line to the best of our knowledge. SAWS provided as-builts (99-7023) which indicate this is a nitrogen gas line. Matheson Tri-gas owns a facility near the pump station and gas vent pipes are along Micron Road that appear to confirm the route of the nitrogen gas line shown on Sheet C-03. See the attached as-built site plan.
- 14. Question: Sheet C-02 – Calls for the contractor to replace existing gate, however no gate is shown. Please confirm gate is to be replaced and any other info available regarding the gate.**
Response: Confirmed, the leader at the north side of the property points to an existing gate on the chain link fence. The gate at this location is of a similar design to SAWS Detail DD-845-02 and is to be replaced in kind.
- 15. Question: Had a question on the Concrete Curb and Gutter. The specs are showing them to be 3000 PSI, but sheet C-18 detail 1 is showing them to be class A. Please advise.**
Response: Notes referring to Class A concrete are under the TxDOT detail and should not be assumed applicable to other concrete curb details. The requirement for Class A concrete applies to curbs formed using C-18 Detail 1 in

CHANGES TO THE SPECIFICATIONS

1. Supplementary Instructions to Respondents

Paragraph D - Definitions: **Delete** subsection D.2 and **replace** with the following:

“The Key Personnel identified in the Supplementary Instruction to Respondents (SIR) evaluation criteria forms are considered essential to the work included as part of this contract. And, as such they must remain actively involved throughout the construction phase and be available. In accordance with the General Conditions, the proposed Superintendent shall provide full-time on-site supervision to Work ongoing at the site. SAWS expects the contractors to assign and provide qualified Key Personnel that can effectively fulfill the responsibilities of their role for the duration of the project. Contractors must use their best judgement to ensure proposed Key Personnel remain effectively involved in the project for its entire duration.”

2. Supplementary Instructions to Respondents

Paragraph E.2.b: **Delete** “Key Subcontractor(s) Performance on Similar Projects in the Past Five (5) Years” and **replace** with the following:

“Key Subcontractor(s) Performance on Similar Project in the Past Ten (10) Years”

3. Price Proposal

Delete the Price Proposal in its entirety and **replace** with the attached Price Proposal. Respondents shall use the revised Price Proposal when submitting for this project. Failure to use the revised Price Proposal could result in the proposal being found non-responsive.

- a. The firm bid prices for the Microclor systems were accidentally switched between sites and have been corrected.

4. Safety Information

Add the attached Safety Information for Prime Contractor and Subcontractors after the Evaluation Criteria Forms.

5. Building Wage Decision

Delete the Building Wage Decision in its entirety and **replace** with the attached revised Wage Decision, issued on May 7, 2021.

6. Allowances

Delete “Contract and Bid/Payment Item No. 17” from the Schedule of Allowances table and **replace** with “Contract and Bid/Payment Item No. 21.”

7. Measurement and Payment

Delete Specification 01 22 13 – Measurement and Payment in its entirety and **replace** with the attached Specification 01 22 13 – Measurement and Payment.

CHANGES TO THE DRAWINGS

1. Drawing C-08

Delete Drawing C-08 and **replace** with revised Drawing C-08, attached. Roadway identified, edge of pavement and right-of-way delineated, and excavation length and depth within TxDOT ROW shown.

2. Drawing S-14
 - a. On "TYPICAL SITE EQUIPMENT PAD DETAIL", Detail 5/S-14, **delete** the following line in its entirety: "INJECTION POINT PAD – 28'6" – 7'-7" – 12" - #5@12 T&B,EW – SEALE SITE" with no substitution.
3. Drawing E-03
 - a. **Delete** Note 28 in its entirety under Electrical General Notes.
4. Drawing EA-06
 - a. **Delete** 2/0G(480V), 4"C under TX-SFA and TX-SFB and **replace** with "2/0G(480V), 5"C".
5. Drawing EB-06
 - a. **Delete** 2/0G(480V), 4"C under TX-SFA and TX-SFB and **replace** with "2/0G(480V), 5"C".

END OF ADDENDUM

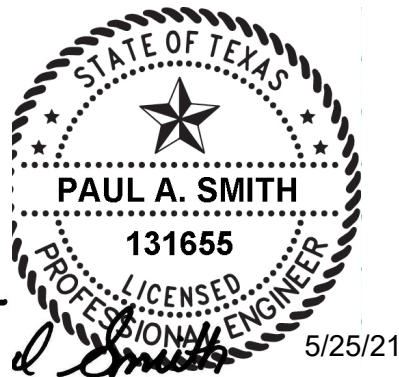
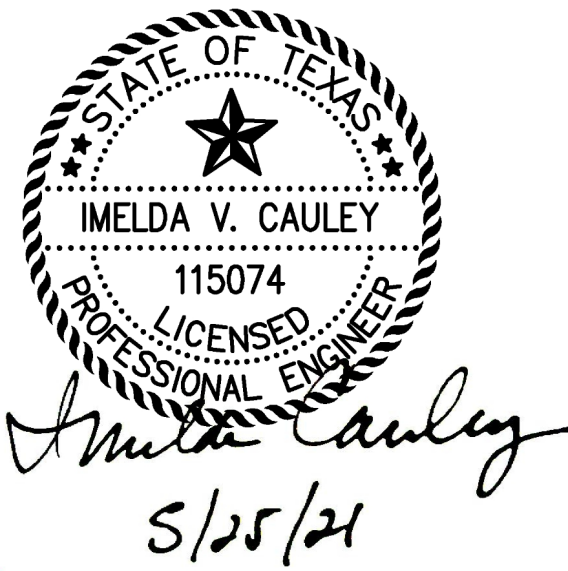
This Addendum is twenty-six (26) pages with attachments in its entirety.

Attachments:

- Price Proposal
- Safety Information for Prime Contractor and Subcontractors
- Building Wage Decision, May 7, 2021
- Specification 01 22 13 – Measurement and Payment
- Drawing C-08
- As-Built, Job No. 99-7023 – Site Plan



Gupta and Associates, Inc.
Texas Firm No. F-2593



Arcadis U.S., Inc.
Texas Firm No. F-533

PRICE PROPOSAL

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

THE SAN ANTONIO WATER SYSTEM:

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

PLEASE SEE ATTACHED LIST OF BID ITEMS.

RESPONDENT'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following:
Addendum Nos. _____

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

The Respondent offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **720** calendar days after the start date, as set forth in the Authorization to Proceed. **The Respondent understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the 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

Item No.	Description	Unit	Quantity	Unit Price	Total Price
1	MICRON PUMP STATION, SITE AND FACILITY DEMOLITION	LS	1	\$	\$
2	MICRON PUMP STATION, SUBSURFACE UTILITY LOCATION	LS	1	\$	\$
3	MICRON PUMP STATION, CIVIL SITE IMPROVEMENT ASSOCIATED WITH YARD WORK	LS	1	\$	\$
4	MICRON PUMP STATION, ELECTRICAL, AND INSTRUMENTATION & CONTROLS IMPROVEMENTS ASSOCIATED WITH YARD WORK	LS	1	\$	\$
5	MICRON PUMP STATION, CIVIL / MECHANICAL / PLUMBING / STRUCTURAL / ARCHITECTURAL / HVAC IMPROVEMENTS ASSOCIATED WITH THE FACILITY WORK (ON-SITE SODIUM HYPOCHLORITE GENERATION DISINFECTION FACILITY, MICROCLOR INSTALLATION, AND FLUORIDE IMPROVEMENTS)	LS	1	\$	\$
6	MICRON PUMP STATION, ELECTRICAL AND INSTRUMENTATION & CONTROLS IMPROVEMENTS ASSOCIATED WITH FACILITY WORK (ON-SITE SODIUM HYPOCHLORITE GENERATION DISINFECTION FACILITY AND FLUORIDE FACILITY)	LS	1	\$	\$

7	MICRON PUMP STATION, SCADA PROGRAMMING AND INTEGRATION FOR THE DISINFECTION UPGRADE	LS	1	\$	\$
8	MICRON PUMP STATION, MATERIAL TESTING	LS	1	\$	\$
9	MICRON PUMP STATION, STARTUP & COMMISSIONING	LS	1	\$	\$
10	SEALE PUMP STATION, SITE AND FACILITY DEMOLITION	LS	1	\$	\$
11	SEALE PUMP STATION, SUBSURFACE UTILITY LOCATION	LS	1	\$	\$
12	SEALE PUMP STATION, CIVIL SITE IMPROVEMENT ASSOCIATED WITH YARD WORK	LS	1	\$	\$
13	SEALE PUMP STATION, ELECTRICAL, AND INSTRUMENTATION & CONTROLS IMPROVEMENTS ASSOCIATED WITH YARD WORK	LS	1	\$	\$
14	SEALE PUMP STATION, CIVIL / MECHANICAL / PLUMBING / STRUCTURAL / ARCHITECTURAL / HVAC IMPROVEMENTS ASSOCIATED WITH THE FACILITY WORK (ON-SITE SODIUM HYPOCHLORITE GENERATION DISINFECTION FACILITY, MICROCLOR INSTALLATION, AND FLUORIDE IMPROVEMENTS)	LS	1	\$	\$
15	SEALE PUMP STATION, ELECTRICAL AND INSTRUMENTATION & CONTROLS IMPROVEMENTS ASSOCIATED WITH FACILITY WORK (ON-SITE SODIUM HYPOCHLORITE GENERATION DISINFECTION FACILITY AND FLUORIDE FACILITY)	LS	1	\$	\$

16	SEALE PUMP STATION, SCADA PROGRAMMING AND INTEGRATION FOR THE DISINFECTION UPGRADE	LS	1	\$	\$
17	SEALE PUMP STATION, MATERIAL TESTING	LS	1	\$	\$
18	SEALE PUMP STATION, STARTUP & COMMISSIONING	LS	1	\$	\$
19	MICRON PUMP STATION, MICROCLOR SYSTEM, STARTUP SERVICES, AND TRAINING (ALLOWANCE)	ALW	1	\$1,120,000	\$1,120,000
20	SEALE PUMP STATION, MICROCLOR SYSTEM, STARTUP SERVICES, AND TRAINING (ALLOWANCE)	ALW	1	\$850,000	\$850,000
SUBTOTAL (ITEMS 1 - 20)				\$	

21	PERMITTING ALLOWANCE	ALW	1	\$30,000	\$30,000
100	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1-20	LS	1	\$	
101	PREPARATION OF RIGHT-OF-WAY, MAX 5% OF LINE ITEMS 1-20	LS	1	\$	
102	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION	EA	1	\$	
SUBTOTAL (ITEMS 21-102)				\$	

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 the percentages shown and adjust the extensions of the bid items accordingly.**

TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1-21 AND 100-102)	\$
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"General Decision Number: TX20210231 05/07/2021

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
2	05/07/2021

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 04/01/2021

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

 * SHEE0067-004 04/01/2021

	Rates	Fringes
Sheet metal worker Excludes HVAC Duct Installation.....	\$ 27.58	15.76
HVAC Duct Installation Only.	\$ 27.58	15.76

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.

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END OF GENERAL DECISION"

SECTION 01 22 13

MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.1 DESCRIPTION

- A. Scope:
1. Items listed starting in Section 1.3 refer to and are the same pay items listed in the Bid Form and constitute all pay items for completing the Work.
 2. No direct or separate payment will be made for providing miscellaneous temporary or accessory works, plant or facility services, CONTRACTOR's or ENGINEER's field offices, layout surveys, Project signs, sanitary requirements, testing, safety provisions and safety devices, submittals and record drawings, water supplies, power and fuel, maintenance of traffic, removal of waste, security, coordination with OWNER's operations, information technology (including hardware, software, and services) required during construction, commissioning where specified, bonds, insurance, or other requirements of the General Conditions, Supplementary Conditions, Division 01 Specifications, and other requirements of the Contract Documents.
 3. Compensation for all services, items, materials, and equipment shall be included in prices stipulated for lump sum and unit price pay items listed in this Section and included in the Contract.
- B. Each lump sum and unit price, as bid, shall include an amount considered by CONTRACTOR to be adequate to cover CONTRACTOR's overhead and profit for each separately identified item.

1.2 RELATED PROVISIONS

- A. Payments to CONTRACTOR: Refer to General Conditions, Supplementary Conditions, Agreement, and Section 01 29 76, Progress Payment Procedures.
- B. Changes in Contract Price: Refer to General Conditions and Supplementary Conditions.
- C. Schedule of Values: Refer to General Conditions, Supplementary Conditions, and Section 01 29 73, Schedule of Values.

1.3 BID ITEMS

- A. Item 1 – Micron Pump Station, Site and Facility Demolition:
1. Measurement: This item includes all demolition costs associated with the installation of the proposed pipelines, On-Site Sodium Hypochlorite Generation Disinfection Facility, fluoride improvements, and their related

San Antonio Water System
Water Production Facilities Disinfection System Upgrades Phase III

appurtenances. This item includes the removal of: existing chlorine and fluoride equipment, existing injection points, existing potable water pipe, and existing chlorine and fluoride piping. This item shall include, but is not limited to, erosion control measures, demolition, lead abatement, saw cutting, hauling, salvage, and disposal for all valves, piping, pipe supports, instruments, concrete, rebar, and associated process equipment shown for removal, complete in place for the lump sum price.

2. Payment: Lump sum payment for Item 1 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.

B. Item 2 – Micron Pump Station, Subsurface Utility Location:

1. Measurement: This item includes all the labor, equipment, tools, materials and incidentals required to complete the task of utility location and depth verification to identify all underground tie-in locations/utility conflicts with proposed improvements at a minimum of 25 locations. Contractor shall be required to hydro vacuum extract, hand dig, or otherwise perform the excavation in a manner that does not harm the existing utilities, complete for the lump sum price.

2. Payment: Payment for Work authorized under Item 2 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.

C. Item 3 – Micron Pump Station, Civil Site Improvement Associated with Yard Work:

1. Measurement: This item includes yard piping related to civil work beyond the extent within the OSHG building and fluoride improvements included in Bid Item 5. This item shall include, but is not limited to, site preparation, grading, excavation and fill, drainage, yard piping and valves, sewer system improvements, pavement, site restoration, submittals, permits, and testing, for the lump sum price.

2. Payment: Lump sum payment for Item 3 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.

D. Item 4 – Micron Pump Station, Electrical and Instrumentation Controls Improvements Associated with Yard Work:

1. Measurement: This item includes electrical instrumentation and controls construction related to all electrical work beyond the extent within the OSHG building and fluoride improvements included in Bid Item 5. This item shall include, but is not limited to, electrical equipment, conduit, wiring/cables, instrumentation, instrumentation connections, submittals, and testing, for the lump sum price.

2. Payment: Lump sum payment for Item 4 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.

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- E. Item 5 – Micron Pump Station, Civil/Mechanical/Plumbing/Structural/Architectural/HVAC Improvements Associated with the Facility Work (On-Site Sodium Hypochlorite Generation Disinfection Facility and Fluoride Improvements):
1. Measurement: This item includes civil, mechanical, structural, architectural, plumbing, and HVAC construction related to the On-Site Hypochlorite Generation Disinfection Facility and Fluoride Improvements. This item shall include, but is not limited to, site preparation, grading, excavation and fill, equipment, equipment piping and valves, building, plumbing and HVAC building support systems, containment area, containment area piping and valves, containment area equipment, pumps, tanks, access platforms and related appurtenances, associated signage, associated submittals, manufacturer’s field services, installation, and testing, complete in place for the lump sum price; excluding the equipment, services, and training included in Bid Item 19.
 2. Payment: Lump sum payment for Item 5 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- F. Item 6 – Micron Pump Station, Electrical and Instrumentation Controls Improvements Associated with Facility Work (On-Site Sodium Hypochlorite Generation Disinfection Facility and Fluoride Facility):
1. Measurement: This item includes the electrical and instrumentation controls construction related to the operation of On-Site Sodium Hypochlorite Generation Facility, Fluoride facility, and its security. The item shall include, but is not limited to electrical equipment, conduit, wiring/cables, lighting, instrumentation, instrumentation connections, associated signage, submittals, and testing, complete in place for the lump sum price.
 2. Payment: Lump sum payment for Item 6 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- G. Item 7 – Micron Pump Station, SCADA Programming and Integration for the Disinfection Upgrade:
1. Measurement: This item includes SCADA Programming and Integration by a Process Control System Integrator per Section 40 61 13 of the technical specifications. The item shall include, but is not limited to, SCADA programming, SCADA integration, submittals, testing, and startup, complete in place for the lump sum price.
 2. Payment: Lump sum payment for Item 7 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- H. Item 8 – Micron Pump Station, Material Testing:
1. Measurement: This item includes Quality Control inspection and material testing required to be performed by the Contractor as part of Contractor’s responsibilities under General Condition Section 5.3 and QC/QA Program requirements under SAWS Item No. 903. The item shall include, but is not

San Antonio Water System
Water Production Facilities Disinfection System Upgrades Phase III

- limited to, testing of on-site materials and equipment, complete in place for the lump sum price.
2. Payment: Lump sum payment for Item 8 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- I. Item 9 – Micron Pump Station, Startup & Commissioning:
1. Measurement: This item includes startup and commissioning services associated with the OSHG and fluoride systems. The item shall include, but is not limited to, pre-startup activities, startup activities, operational tests, performance tests, and manufacturer’s field, excluding the services associated with the OSHG included in Bid Item 19.
 2. Payment: Lump sum payment for Item 9 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- J. Item 10 – Seale Pump Station, Site and Facility Demolition:
1. Measurement: This item includes all demolition costs associated with the installation of the proposed pipelines, On-Site Sodium Hypochlorite Generation Disinfection Facility, fluoride improvements, and their related appurtenances. This item includes the removal of: existing chlorine and fluoride equipment, existing injection points, existing potable water pipe, and existing chlorine and fluoride piping. This item shall include, but is not limited to, erosion control measures, demolition, lead and asbestos abatement, saw cutting, hauling, salvage, and disposal for all valves, piping, pipe supports, instruments, concrete, rebar, and associated process equipment shown for removal, complete in place for the lump sum price.
 2. Payment: Lump sum payment for Item 10 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- K. Item 11 – Seale Pump Station, Subsurface Utility Location:
1. Measurement: This item includes all the labor, equipment, tools, materials and incidentals required to complete the task of utility location and depth verification to identify all underground tie-in locations/utility conflicts with proposed improvements at a minimum of 25 locations. Contractor shall be required to hydro vacuum extract, hand dig, or otherwise perform the excavation in a manner that does not harm the existing utilities, complete for the lump sum price.
 2. Payment: Payment: Payment for Work authorized under Item 11 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- L. Item 12 – Seale Pump Station, Civil Site Improvement Associated with Yard Work:
1. Measurement: This item includes yard piping related to civil work beyond the extent within the OSHG building and fluoride improvements included in Bid Item 14. This item shall include, but is not limited to, site preparation, grading,

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Water Production Facilities Disinfection System Upgrades Phase III

- excavation and fill, traffic barriers, drainage, yard piping and valves, sewer system improvements, pavement, site restoration, submittals, permits, and testing, for the lump sum price.
2. Payment: Lump sum payment for Item 12 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- M. Item 13 – Seale Pump Station, Electrical and Instrumentation Controls Improvements Associated with Yard Work:
1. Measurement: This item includes electrical instrumentation and controls construction related to all electrical work beyond the extent within the OSHG building and fluoride facility included in Bid Item 14. The item shall include, but is not limited to electrical equipment, conduit, wiring/cables, site lighting improvements, instrumentation, instrumentation connections, submittals, and testing, for the lump sum price.
 2. Payment: Lump sum payment for Item 13 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- N. Item 14 – Seale Pump Station, Civil/Mechanical/Plumbing/Structural/Architectural/HVAC Improvements Associated with Facility Work (On-Site Sodium Hypochlorite Generation Disinfection Facility and Fluoride Facility):
1. Measurement: This item includes civil, mechanical, structural, architectural, plumbing, and HVAC construction related to the On-Site Hypochlorite Generation Disinfection Facility and Fluoride Improvements. This item shall include, but is not limited to, site preparation, grading, excavation and fill, equipment, equipment piping and valves, building, plumbing and HVAC building support systems, containment area, containment area piping and valves, containment area equipment, pumps, tanks, access platforms and related appurtenances, associated signage, associated submittals, manufacturer’s field services, installation, and testing, complete in place for the lump sum price; excluding the equipment, services, and training included in Bid Item 20.
 2. Payment: Lump sum payment for Item 14 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- O. Item 15 – Seale Pump Station Electrical and Instrumentation Controls Improvements Associated with the On-Site Sodium Hypochlorite Generation Disinfection Facility and Fluoride Facility:
1. Measurement: This item includes the electrical and instrumentation controls construction related to the operation of On-Site Sodium Hypochlorite Generation Disinfection Facility, Fluoride Facility, and its security. The item shall include, but is not limited to electrical equipment, conduit, wiring/cables, lighting, instrumentation, instrumentation connections, associated signage, submittals, and testing, complete in place for the lump sum price.

San Antonio Water System
Water Production Facilities Disinfection System Upgrades Phase III

2. Payment: Lump sum payment for Item 15 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- P. Item 16 – Seale Pump Station SCADA Programming and Integration for the Disinfection Upgrade:
1. Measurement: This item includes SCADA Programming and Integration by a Process Control System Integrator per Section 40 61 13 of the technical specifications. The item shall include, but is not limited to, SCADA programming, SCADA integration, submittals, testing, and startup, complete in place for the lump sum price.
 2. Payment: Lump sum payment for Item 16 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- Q. Item 17 – Seale Pump Station, Material Testing:
1. Measurement: This item includes Quality Control inspection and material testing required to be performed by the Contractor as part of Contractor’s responsibilities under General Condition Section 5.3 and QC/QA Program requirements under SAWS Item No. 903. The item shall include, but is not limited to, testing of on-site materials and equipment, complete in place for the lump sum price.
 2. Payment: Lump sum payment for Item 17 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- R. Item 18 – Seale Pump Station, Startup & Commissioning:
1. Measurement: This item includes startup and commissioning services associated with the OSHG and fluoride systems. The item shall include, but is not limited to, pre-startup activities, startup activities, operational tests, performance tests, and manufacturer’s field, excluding the services associated with the OSHG included in Bid Item 19.
 2. Payment: Lump sum payment for Item 18 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- S. Item 19 – Micron Pump Station, Microclor System, Startup Services, and Training:
1. Measurement: This item includes the Microclor system, including the electrolytic cells, a rectifier, brine pump, piping, valves, instrumentation, and controls; pre-assembled, piped, wired, and factory-tested. This item includes manufacturer’s field services, including installation assistance, installation inspection, system start-up, and operator training. Associated submittals and O&M manuals are included in this item.
 2. Payment: Lump sum payment for Item 19 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.

San Antonio Water System
Water Production Facilities Disinfection System Upgrades Phase III

- T. Item 20 – Seale Pump Station Microclor System, Startup Services, and Training:
1. Measurement: This item includes the Microclor system, including the electrolytic cells, a rectifier, brine pump, piping, valves, instrumentation, and controls; pre-assembled, piped, wired, and factory-tested. This item includes manufacturer’s field services, including installation assistance, installation inspection, system start-up, and operator training. Associated submittals and O&M manuals are included in this item.
 2. Payment: Lump sum payment for Item 20 will be full compensation for completing the Work, as shown or indicated under Division 01 through Division 50.
- U. Item 21 - Permitting Allowance:
1. Measurement: This item is an allowance for \$30,000 in permitting fees that are associated with the project. This shall include furnishing all labor, materials, tools, equipment, and incidentals required to obtain all necessary permits. Coordinate with Section 01 21 00, Allowances.
 2. Payment: CONTRACTOR to pay lump sum and be reimbursed for actual amount by OWNER.
- V. Item 100 – Mobilization and Demobilization:
1. Measurement: This item includes the mobilization and demobilization of all equipment needed for the construction of Items 1 through 20 at the Micron and Seale Pump Stations. This bid item shall also include all site preparation, including but not limited to, fencing, environmental protection, and site clean up. Additionally, this item shall include site security services required for the project duration.
 2. Payment: The Site Mobilization task shall be paid per the lump sum item for the sites.
- W. Item 101 – Preparation of Right-of-Way:
1. Measurement: This item includes the preparation of right-of-way needed for the construction of Items 1 through 18 at the Micron and Seale Pump Stations as defined in SAWS Item No. 101. This bid item shall include, but is not limited to, removal and disposal of obstructions from the right-of-way.
 2. Payment: The Preparation of Right-of-Way task shall be paid per the lump sum item for the sites and in accordance with SAWS Item No. 101.
- X. Item 102 – Intermediate Demobilization and Remobilization:
1. Measurement: This bid item will only be paid if prior authorization is given in writing by OWNER. This bid item is limited to delays outside of the Contractor’s control that are not otherwise provided for in the General Conditions. Examples of these types of delays include Owner easement acquisition, permitting issues (only those permits not controlled by the CONTRACTOR), or other OWNER activities. Any other provision contained herein notwithstanding CONTRACTOR will not be entitled to compensation under this bid item for work suspended during the 10 cumulative days allowed

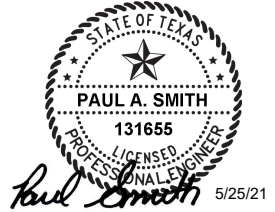
San Antonio Water System
Water Production Facilities Disinfection System Upgrades Phase III

for by the Contract in the General Conditions, Article IV, Paragraph 4.8
Suspension of Work by Owner.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

++ END OF SECTION ++



SAN ANTONIO WATER SYSTEM



WATER PRODUCTION FACILITIES DISINFECTION SYSTEMS UPGRADES PHASE III

NO.	DATE	REVISION	BY
1	5/18/21	ADDENDUM NO. 2	PS

COPYRIGHT: ARCADIS U.S., INC.
DATE: MARCH 2021
PROJECT NO.: 02196070.0000
DESIGNED BY: P. SMITH
DRAWN BY: N.CANDELAS
CHECKED BY: R.STANDIFER

SHEET TITLE

CIVIL

SEALE P.S.
SANITARY SEWER
PLAN AND PROFILE

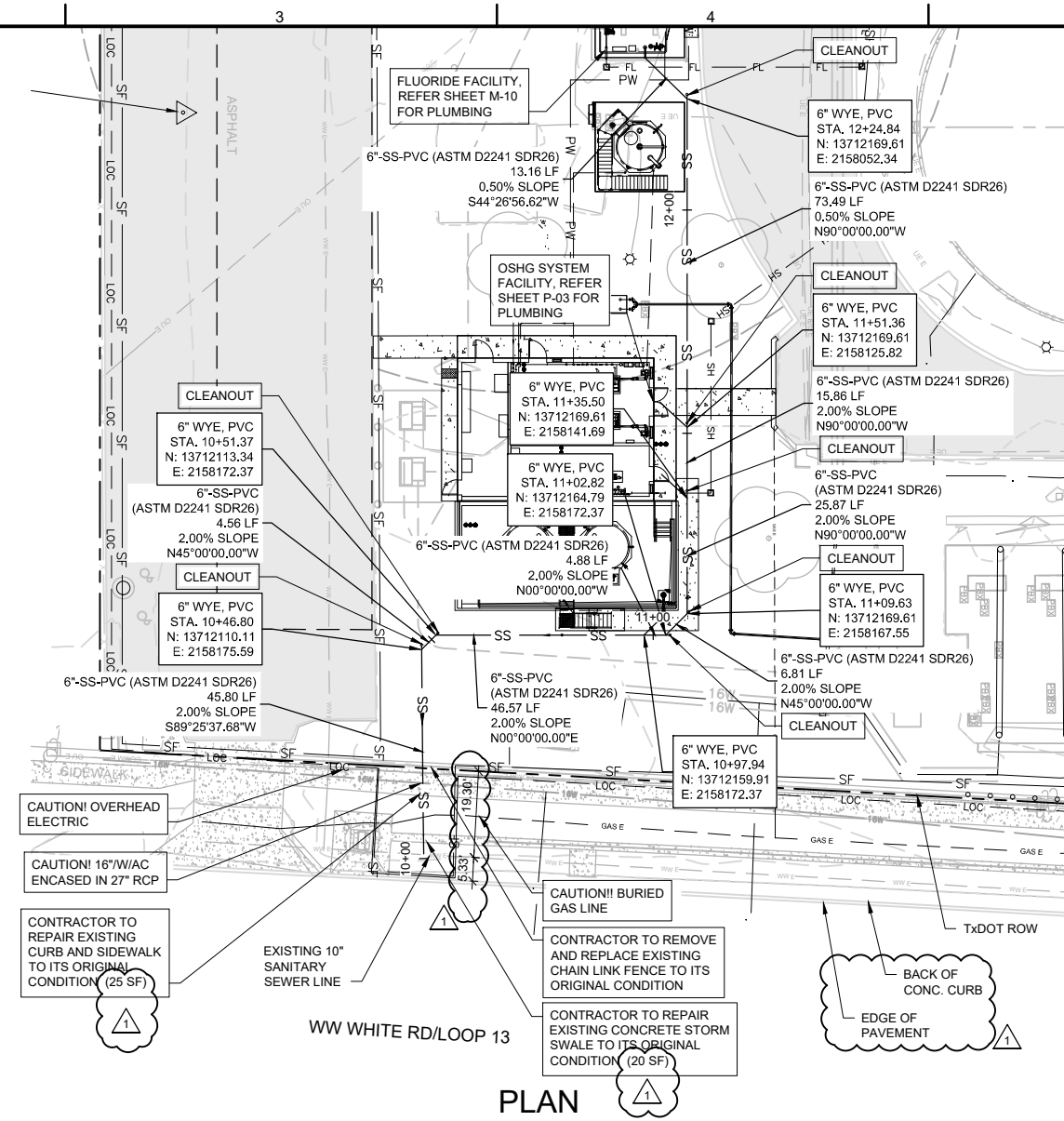
SCALE: AS SHOWN

SHEET C-08
20 OF 167



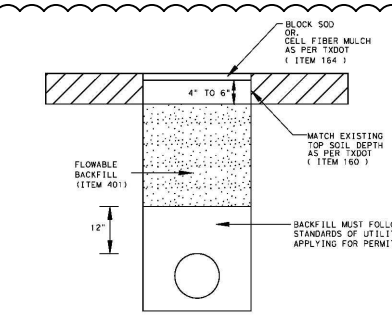
NOTES:

- CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING PIPE CROSSINGS AT EACH PROPOSED PIPELINE AND/OR CROSSING AND SHALL RECORD ALL PIPE MATERIAL, INVERT ELEVATIONS AND CLEARANCES ON THE AS-BUILT DRAWINGS.
- CONTRACTOR SHALL POTHOLE AND VERIFY ALL EXISTING PIPING MATERIALS AND INVERT ELEVATIONS AT POINT OF CONNECTIONS.
- UNDERGROUND GAS, WATER, ELECTRIC, TELEPHONE, CHEMICAL AND OTHER UTILITIES MAY EXIST WITHIN THE WORK AREA. THE UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION.
- CONTRACTOR SHALL COORDINATE WITH TXDOT RIGHT OF WAY THROUGH MELANIE MCBRIDE AT 210 615-6430.
- ALL REQUIREMENTS FOR TRAFFIC CONTROL WILL NEED TO MEET ALL TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TXDOT SPECIFICATIONS.
- TRENCH EXCAVATION BACKFILL WITHIN 10FT FROM THE CURB/OR EDGE OF PAVEMENT SHALL BE FLOWABLE FILL AS SHOWN IN DETAIL 1 THIS SHEET.



PLAN

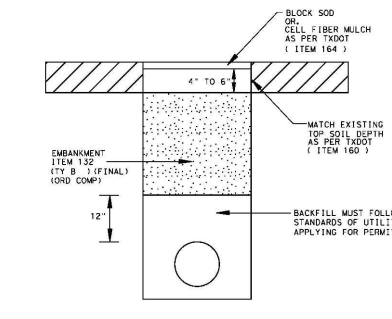
1 DETAIL
C-08



TRENCH DETAIL (NON PAVEMENT)
LESS THAN OR EQUAL TO 10' FROM
CURB/OR EDGE OF PAVEMENT

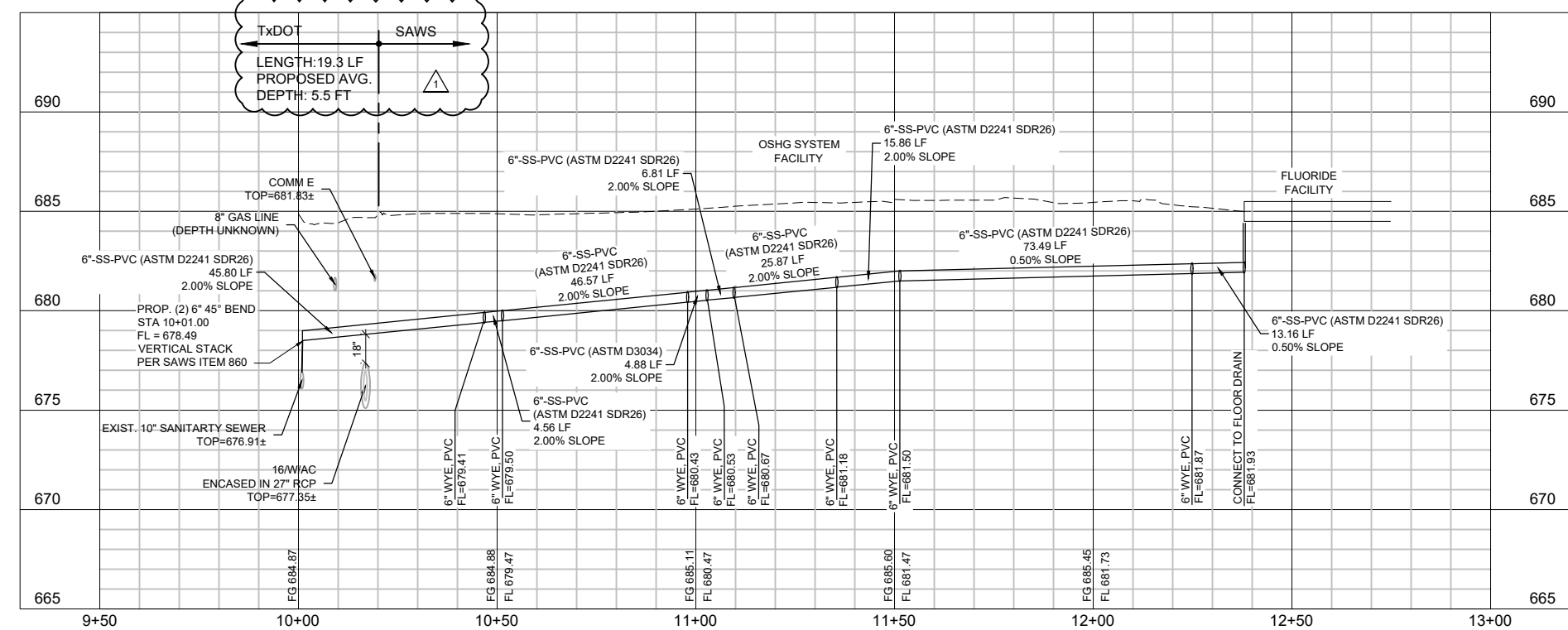
- PIPE 24" OR LESS USE 1' FROM O/D OF PIPE TO EXCAVATED WALLS.
- PIPE 24" OR GREATER USE 2' FROM O/D OF PIPE TO EXCAVATED WALLS.

2 DETAIL
C-08

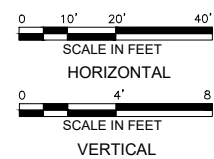


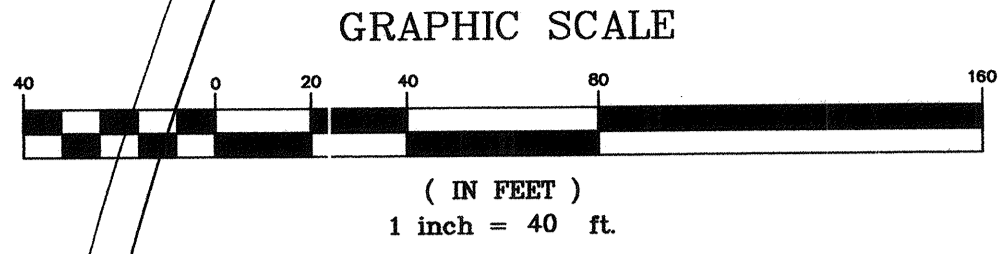
TRENCH DETAIL (NON PAVEMENT)
MORE THAN 10' FROM
CURB/OR EDGE OF PAVEMENT

- PIPE 24" OR LESS USE 1' FROM O/D OF PIPE TO EXCAVATED WALLS.
- PIPE 24" OR GREATER USE 2' FROM O/D OF PIPE TO EXCAVATED WALLS.



PROFILE

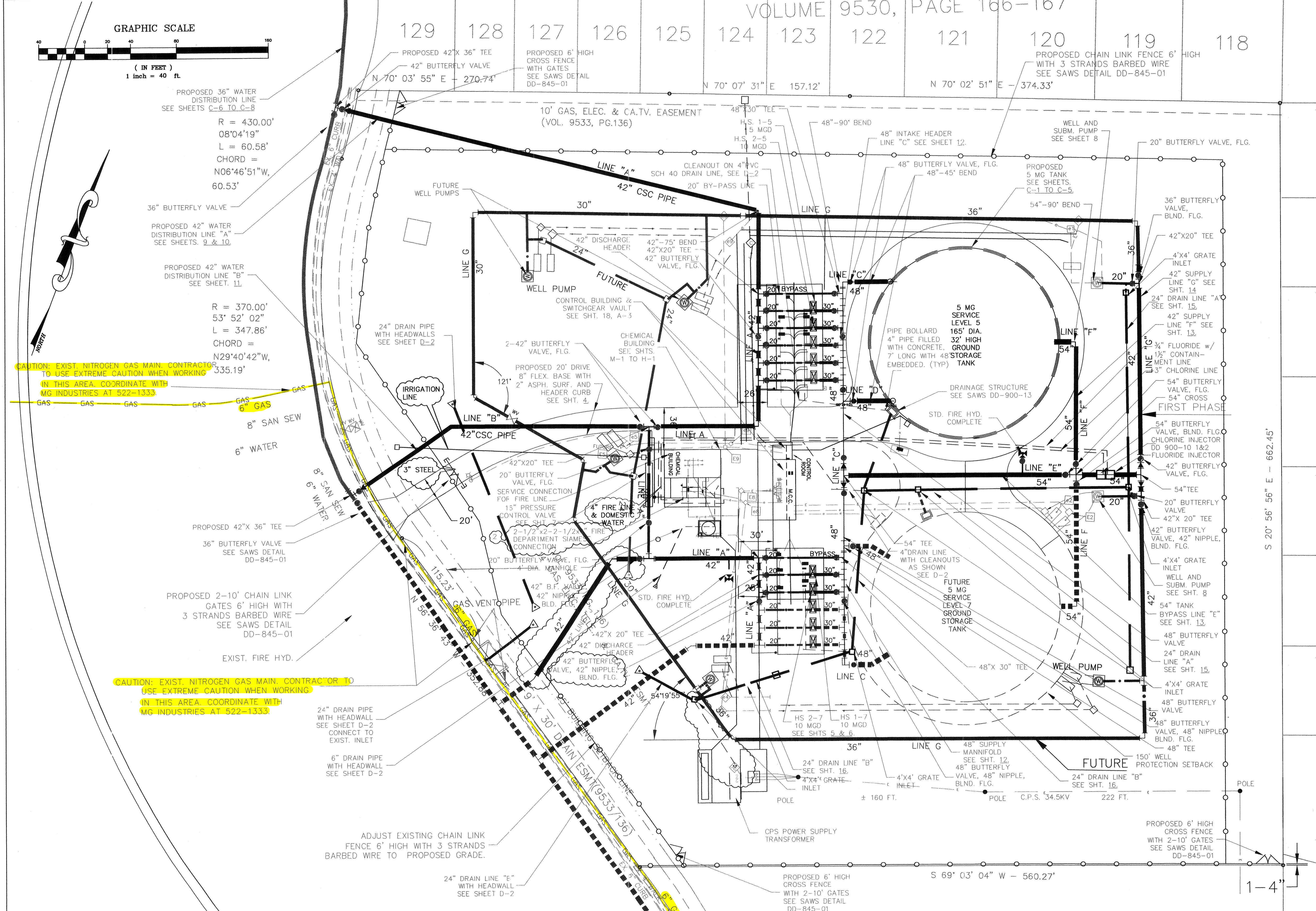




LEGEND

---	EXISTING CONCRETE CURB
- - -	EXISTING EDGE OF PAVEMENT
- - -	EXISTING EDGE OF DIRT OR GRAVEL DRIVE
●	EXISTING POWER POLE
○	EXISTING POWER POLE AND GUY WIRE
⊗	EXISTING WATER METER
⊙	EXISTING TRAFFIC SIGN
⊠	EXISTING GAS METER
⊞	EXISTING MAIL BOX
⊞	EXISTING FIRE HYDRANT
⊞	EXISTING TREE
⊞	EXISTING GAS VALVE
⊞	EXISTING WATER VALVE
⊞	EXISTING SMOOTH WIRE FENCE
⊞	EXISTING METAL POLE
⊞	NEW MANHOLE, 5 KV ELEC.
⊞	EXISTING M.H.
⊞	EXISTING GAS LINE
⊞	EXISTING BARB OR WIRE FENCE
⊞	EXISTING WOODEN FENCE
⊞	EXISTING CHAIN LINK FENCE
⊞	SILT CONTROL FENCE
⊞	ROCK FILTER DAM

- NOTE:
1. 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.
 2. CALL TEXAS ONE-CALL AT 1-800-545-6005 48 HOURS BEFORE BEGINNING ANY EXCAVATION.
 3. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.1881, 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.
 4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING THE INTEGRITY OF THE POWER POLES DURING CONSTRUCTION.
 5. FOR BUTTERFLY VALVE INSTALLATION SEE SAWS DD-830-01, SHEET 3 OF 4.
 6. FOR THRUST BLOCK INSTALLATION SEE SAWS DD-839-01 AND SAWS DD-839-02.
 7. PROVIDE SAWS STANDARD ROTATING LOCK CAROUSEL ON LOCK POSTS FOR ALL PROPOSED GATES.
 8. EXISTING FENCE IS SHOWN APPROXIMATE, CONTRACTOR TO VERIFY, COORDINATE AND PROTECT ACTUAL INSTALLED LOCATION. ADJUST TO PROPOSED GRADES FOR MAXIMUM 4" GROUND CLEARANCE.
 9. CONTRACTOR SHALL VERIFY THE LOCATION OF THE TWO EXISTING WELL HEADS AND ADVISE THE OWNER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.



CAUTION: EXIST. NITROGEN GAS MAIN. CONTRACTOR TO USE EXTREME CAUTION WHEN WORKING IN THIS AREA. COORDINATE WITH MG INDUSTRIES AT 522-1333.

CAUTION: EXIST. NITROGEN GAS MAIN. CONTRACTOR TO USE EXTREME CAUTION WHEN WORKING IN THIS AREA. COORDINATE WITH MG INDUSTRIES AT 522-1333.

No.	Revision	Drawn	Approved	Date

INDICATES PLAN OF RECORD		JPG	02-23-05
REVISIONS			
SERVICE LEVEL 5 (MICRON) PRIMARY PUMP STATION PROJECT			
SITE PLAN			
DEVELOPER:		BUDGET PROJ.	
SUBMITTED		APPROVED	
MAP No. 112-588	SECT. No. 22-Z 22-M	SHEET 2	
DR. J.N.M.	CK.B.G.	JOB No. 99-7023	

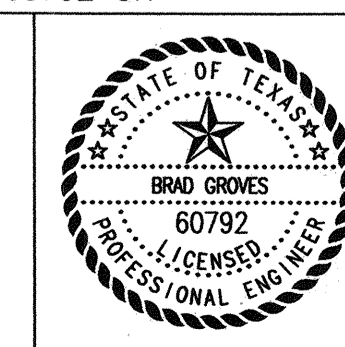
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"PLAN OF RECORD" 02-23-05

BRAD GROVES
CONSULTING ENGINEERS
PLANNERS / SURVEYORS
501 SOLEDAD
SAN ANTONIO, TEXAS 78205
PHONE: (210) 226-2922
FAX: (210) 226-8497

M&E
Metcalf & Eddy

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRAD GROVES, P.E. 60792 ON



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