



**Mathis Road – Hardy Road to Waterwood Pass Approach Water Main
Solicitation Number: CO-00703
Job No.: 22-7002**

**ADDENDUM 2
January 29, 2024**

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: Sheet 32 of 59 Pavement details show to install 3" TY C and 10" ATB for Pavement restoration. What is the seal coat used for? There is no bid item for 3" TY C either, bid items shows 2" TY D.**

Response: The pavement restoration shall be HMAC Type C 2" (minimum) over 10" asphalt treated base. Seal coat to be used where pavement restoration is required as shown on plans. See Changes to Specifications Number 2 and Changes to Plans Number 1.

- 2. Question: Will SAWS or contractor provide material? Pipe, fittings, casing, hydrants, etc.**

Response: The Contractor is responsible for furnishing all materials in accordance with the Plans and Specifications for this project.

- 3. Question: Can we get the CAD files for this project?**

Response: The CAD files will not be provided. The CAD files can be requested by the awarded Contractor.

- 4. Question: Is the bedding surrounding the proposed HDPE pipe modified Grade 5 same as the PVC?**

Response: The bedding and backfill requirements are the same for HDPE and PVC pipe per SAWS Standard Specifications for Construction Item 804 – Excavation, Trenching and Backfill.

- 5. Question: When is the anticipated award date?**

Response: We anticipate taking this project to the March 5, 2024, Board for award.

- 6. Question: Will all water required for the construction be furnished at no cost to the contractor?**

Response: Per SAWS Standard Specifications for Construction Item 841 – Water and Reclaimed Water Mains Hydrostatic Testing Operations, the Owner (SAWS) will furnish water for filling lines and conducting tests from existing mains.

CHANGES TO SPECIFICATIONS

- 1. BUILDING WAGE DECISION**, remove in its entirety and **replace** with the revised version attached to this Addendum. This version should be referenced by the Bidders for this project.

2. **BID PROPOSAL** – Remove sheets BP-1 through BP-3 in its entirety and replace with the revised sheets BP-1 through BP-3 attached to this Addendum. This version of the Bid Proposal should be used by bidders when submitting their response. Failure to use the revised forms may result in bid being found non-responsive. The following Clarifications are applicable to the **BID PROPOSAL**.

a. **Sheet BP-2:**

- i. Item 205.4 Hot Mix Asphaltic Concrete Pavement, Type D (2" Comp. Depth) (COSA Spec) has been removed and replaced with Item 205.3 Hot Mix Asphaltic Concrete Pavement, Type C (2" Comp. Depth) (COSA Spec).

CHANGES TO PLANS

1. **PLAN SHEETS 2, 10, 17, & 32** – Remove sheets 2, 10, 17, & 32 in its entirety and replace with the revised sheets 2, 10, 17, & 32 attached to this Addendum. The following Clarifications are applicable to the **PLAN SHEETS**.

a. **Sheet 2:**

- i. **Summary of Quantities** – Item 205.4 Hot Mix Asphaltic Concrete Pavement, Type D (2" Comp. Depth) (COSA Spec) has been removed and replaced with Item 205.3 Hot Mix Asphaltic Concrete Pavement, Type C (2" Comp. Depth) (COSA Spec).

b. **Sheet 10:**

- i. **Estimated Quantities** – Item 205.4 Hot Mix Asphaltic Concrete Pavement, Type D (2" Comp. Depth) (COSA Spec) has been removed and replaced with Item 205.3 Hot Mix Asphaltic Concrete Pavement, Type C (2" Comp. Depth) (COSA Spec).

c. **Sheet 17:**

- i. **Estimated Quantities** – Item 205.4 Hot Mix Asphaltic Concrete Pavement, Type D (2" Comp. Depth) (COSA Spec) has been removed and replaced with Item 205.3 Hot Mix Asphaltic Concrete Pavement, Type C (2" Comp. Depth) (COSA Spec).


d. **Sheet 32:**

- i. **Pavement Trench Repair Detail** – Pavement label 3" HMAC TYPE C has been removed and replaced with 2" HMAC TYPE C.

END OF ADDENDUM

This Addendum, including these two (2) pages, is sixteen (16) pages with attachments in its entirety.

Attachments: General Wage Decision Number TX20240231 (rev. 1/12/2024) (7 pages)
Bid Proposal (rev. 1/29/2024) (3 pages)
Plan Sheets 2, 10, 17, & 32 (rev. 1/29/2024) (4 pages)



Elvis Treviño, PE
Maestas & Associates, LLC



"General Decision Number: TX20240231 01/12/2024

Superseded General Decision Number: TX20230231

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: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022: Executive Order 14026 generally applies to the contract. The contractor must pay all covered workers at least \$17.20 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 2024.

If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022: Executive Order 13658 generally applies to the contract. The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/05/2024
1	01/12/2024

ASBE0087-014 06/04/2023

Rates Fringes

ASBESTOS WORKER/HEAT & FROST
INSULATOR (Duct, Pipe and
Mechanical System Insulation)....\$ 28.95 8.39

BOIL0074-003 07/01/2023

Rates Fringes

BOILERMAKER.....\$ 37.00 24.64

ELEC0060-003 06/05/2023

Rates Fringes

ELECTRICIAN (Communication
Technician Only).....\$ 33.00 18%+5.45

ELEC0060-004 06/05/2023

Rates Fringes

ELECTRICIAN (Excludes Low
Voltage Wiring).....\$ 33.00 18%+5.45

ELEV0081-001 01/01/2023

Rates Fringes

ELEVATOR MECHANIC.....\$ 46.83 37.335+a+b

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 06/01/2023

Rates Fringes

IRONWORKER, STRUCTURAL.....\$ 26.00 7.53

IRON0084-011 06/01/2023

Rates Fringes

IRONWORKER, ORNAMENTAL.....\$ 27.51 8.13

PLUM0142-009 07/01/2023

	Rates	Fringes
HVAC MECHANIC (Electrical Temperature Control Installation & Unit Installation Only).....	\$ 35.95	11.25
PIPEFITTER (Including HVAC Pipe Installation).....	\$ 35.95	11.25
Including HVAC Pipe Installation PLUMBER.....	\$ 35.95	11.25
Excludes HVAC Pipe Installation		

* SFTX0669-002 01/01/2024

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 34.60	23.88

SHEE0067-004 07/03/2023

	Rates	Fringes
Sheet metal worker Excludes HVAC Duct Installation.....	\$ 30.24	15.89
HVAC Duct Installation Only.	\$ 30.24	15.89

* 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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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.20) or 13658 (\$12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

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 <https://www.dol.gov/agencies/whd/government-contracts>.

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) (iii)).

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 National Office because National Office has 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"

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 No(s)**. _____

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

The Bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **275** 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

Texas Government Code Chapter 2274 Verifications

- (1) Are you, Contractor, held or controlled by individuals who are citizens of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (2) Are you, Contractor, held or controlled by a company or other entity, including a governmental entity, that is owned or controlled by citizens of or directly controlled by the government of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (3) Are you, Contractor, headquartered in China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No

Item No.	Spec No.	Item Description	Unit	Qty	Unit Price	Total Price
1	203.1	Tack Coat (COSA Spec)	Gal	33	\$	
2	205.3	Hot Mix Asphaltic Concrete Pavement, Type C (2" Comp. Depth) (COSA Spec)	SY	319	\$	\$
3	206.1	Asphalt Treated Base (ATB) (10" Comp. Depth) (COSA Spec)	SY	33	\$	\$
4	208.1	Salvage, Haul & Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA Spec)	SY	319	\$	\$
5	413.1	Flowable Fill (CoSA Spec)	CY	25	\$	\$
6	404.1	15" Corrugated Metal Pipe (COSA Spec)	LF	227	\$	\$
7	503.5	Gravel Driveway (COSA Spec)	SY	649	\$	\$
8	505.1	Concrete Riprap (4" Thick) (COSA Spec)	SY	53	\$	\$
9	513.1	Removing and Relocating Mailboxes (COSA Spec)	EA	9	\$	\$
10	520.1	Hydromulching (COSA Spec)	SY	12770	\$	\$
11	530.1	Barricades, Signs and Traffic Handling (COSA Spec)	LS	1	\$	\$
12	536.1	4" Wide Yellow Line (COSA Spec)	LF	160	\$	\$
13	537.8	Pavement Marker Type II-A-A (COSA Spec)	EA	8	\$	\$
14	540	Temporary Erosion, Sedimentation and Water Pollution Prevention and Control (COSA Spec)	LS	1	\$	\$
15	550	Trench Excavation Safety Protection	LF	11558	\$	\$
16	814	16" Ductile Iron PC250 Pipe	LF	20	\$	\$
17	815	12" HDPE DR 11 Pipe(DIPS)	LF	11447	\$	\$
18	818	6" C900 PVC Waterline	LF	26	\$	\$
19	822	Customer Shut-off Valve	EA	41	\$	\$
20	822	Short Yard Piping	LF	100	\$	\$
21	824	Relay 3/4" Short Service	EA	7	\$	\$
22	824	Relay 3/4" Long Service	EA	34	\$	\$
23	824	New Unmetered 3/4" Short Service	EA	6	\$	\$
24	824	New Unmetered 3/4" Long Service	EA	15	\$	\$
25	828	12" Gate Valve	EA	13	\$	\$
26	833	New Meter Box	EA	62	\$	\$
27	833	Existing Meter and New Meter Box Relocation	EA	39	\$	\$
28	834.1	Fire Hydrant	EA	11	\$	\$
29	836	Grey Iron and Ductile-Iron Fittings	TON	1.00	\$	\$
30	840	6" Water Tie-Ins	EA	2	\$	\$
31	840	16" Water Tie-Ins	EA	2	\$	\$
32	841	Hydrostatic Testing	EA	8	\$	\$
33	844	2" Blowoff, Temporary	EA	4	\$	\$

Item No.	Spec No.	Item Description	Unit	Qty	Unit Price	Total Price
34	846	1" Air Release Valve	EA	4	\$	\$
35	856.1	12-Inch HDPE Carrier Pipe	LF	65	\$	\$
36	856.2	24-Inch Steel Casing (Open-Cut)	LF	65	\$	\$
37	858	Concrete Encasement, Cradles, Saddles and Collars	CY	2.7	\$	\$
38	1015	Service Line Break/Leak Repairs	EA	1	\$	\$
39	1020	Water Main Break/Leak Repairs	EA	1	\$	\$
40	3000	Removal, Transportation, and Disposal of AC Pipe	LF	13	\$	\$
41	SP 250	Seal Coat	SY	319	\$	\$
Subtotal (Items 1 - 41)					\$	
42	100	Mobilization and Demobilization (Max 10% of Items 1 - 41)	LS	1	\$	\$
43	101	Preparing Right-of-Way (Max 5% of Items 1 - 41)	LS	1	\$	\$
44	SP 100	Intermediate Demobilization/Remobilization (Open Cut)	EA	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 the percentages shown and adjust the extensions of the bid items accordingly.**

TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1 - 41 AND 42 - 44)	\$
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INDEX OF SHEETS

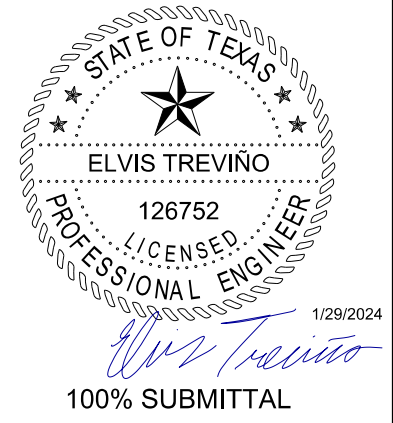
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SUMMARY OF QUANTITIES

Item No	Description	Unit	Total
100	Mobilization (Maximum 10%)	LS	1
101	Preparing Right of Way (Maximum 5%)	LS	1
102	Intermediate Demobilization/Remobilization (Open Cut)	EA	1
203.1	Tack Coat (COSA Spec)	Gal	33
205.3	Hot Mix Asphaltic Concrete Pavement, Type C (2" Comp. Depth) (COSA Spec)	SY	319
206.1	Asphalt Treated Base (ATB) (10" Comp. Depth) (COSA Spec)	SY	33
208.1	Salvage, Haul & Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA Spec)	SY	319
413.1	Flowable Fill (CoSA Spec)	CY	25
404.1	15" Corrugated Metal Pipe (COSA Spec)	LF	227
503.5	Gravel Driveway (COSA Spec)	SY	649
505.1	Concrete Riprap (4" Thick) (COSA Spec)	SY	53
513.1	Removing and Relocating Mailboxes (COSA Spec)	EA	9
520.1	Hydromulching (COSA Spec)	SY	12770
530.1	Barricades, Signs and Traffic Handling (COSA Spec)	LS	1
536.1	4" Wide Yellow Line (COSA Spec)	LF	160
537.8	Pavement Marker Type II-A-A (COSA Spec)	EA	8
540	Temporary Erosion, Sedimentation and Water Pollution Prevention and Control (COSA Spec)	LS	1
550	Trench Excavation Safety Protection	LF	11558
814	16" Ductile Iron PC250 Pipe	LF	20
815	12" HDPE DR 11 Pipe(DIPS)	LF	11447
818	6" C900 PVC Waterline	LF	26
822	Customer Shut-off Valve	EA	41
822	Short Yard Piping	LF	100
824	Relay 3/4" Short Service	EA	7
824	Relay 3/4" Long Service	EA	34
824	New Unmetered 3/4" Short Service	EA	6
824	New Unmetered 3/4" Long Service	EA	15
828	12" Gate Valve	EA	13
833	New Meter Box	EA	62
833	Existing Meter and New Meter Box Relocation	EA	39
834.1	Fire Hydrant	EA	11
836	Grey Iron and Ductile-Iron Fittings	TON	1.00
840	6" Water Tie-Ins	EA	2
840	16" Water Tie-Ins	EA	2
841	Hydrostatic Testing	EA	8
844	2" Blowoff, Temporary	EA	4
846	1" Air Release Valve	EA	4
856.1	12-Inch HDPE Carrier Pipe	LF	65
856.2	24-Inch Steel Casing (Open-Cut)	LF	65
858	Concrete Encasement, Cradles, Saddles and Collars	CY	2.7
1015	Service Line Break/Leak Repairs	EA	1
1020	Water Main Break/Leak Repairs	EA	1
3000	Removal, Transportation, and Disposal of AC Pipe	LF	13
SP 250	Seal Coat	SY	319

1



3:13:08 PM

1/26/2024

Z:\Projects\M270 Mathis Road Water\06 - CADD Files\06.35 - Cover Sheet\M270-INX-WAT.dgn

MAESTAS
8122 DATAPOINT DR., STE. 840 SAN ANTONIO, TX 78229
 (210) 366-1988 TBPE No.: F-333 TBPLS No.: 10194506

1	HMAC Pavement Type Update Addendum No. 2	LW	ET	1/29/2024	
No.	Revision	Drawn	Approved	Date	

REVISIONS

MATHIS ROAD
 HARDY ROAD TO WATERWOOD PASS
 APPROACH WATER MAIN

INDEX OF SHEETS & SUMMARY OF QUANTITIES

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

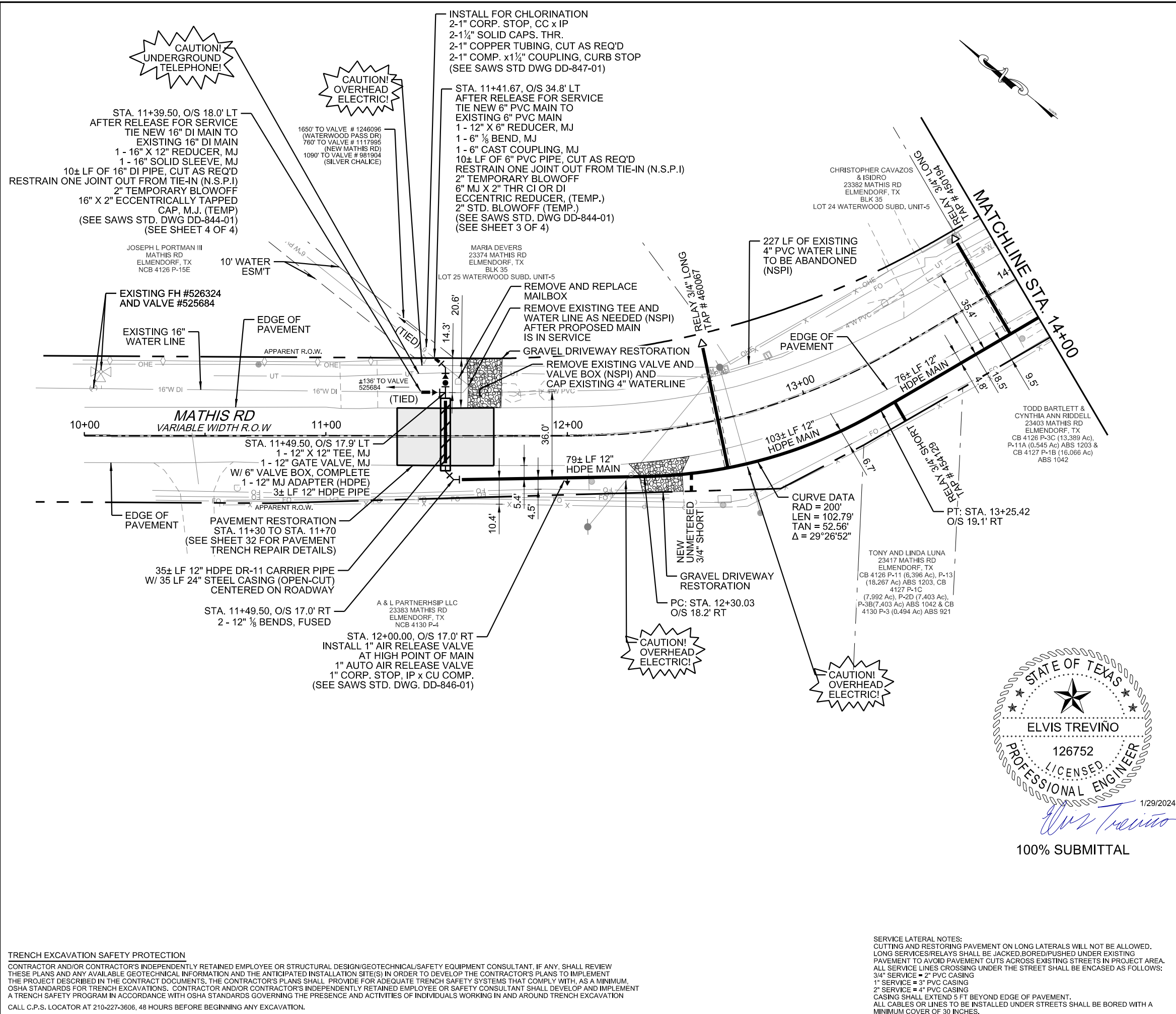
SUBMITTED _____
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MAP No.	SHEET
SECT. No.	2
DR. LW CK. ET	JOB No. 22-7002 OF 59

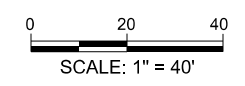
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ESTIMATED QUANTITIES				
ITEM	DESCRIPTION	UNIT	EST	FINAL
203.1	Tack Coat (COSA Spec)	Gal	11	
205.3	Hot Mix Asphaltic Concrete Pavement, Type C (2" Comp. Depth) (COSA Spec)	SY	106	
206.1	Asphalt Treated Base (ATB) (10" Comp. Depth) (COSA Spec)	SY	16	
208.1	Salvage, Haul & Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA)	SY	106	
413.1	Flowable Fill (CoSA Spec)	CY	12	
503.5	Gravel Driveway (COSA Spec)	SY	60	
513.1	Removing and Relocating Mailboxes (COSA Spec)	EA	1	
520.1	Hydromulching (COSA Spec)	SY	312	
536.1	4" Wide Yellow Line (COSA Spec)	LF	80	
537.8	Pavement Marker Type II-A-A (COSA Spec)	EA	4	
550	Trench Excavation Safety Protection	LF	316	
814	16" Ductile Iron PC250 Pipe	LF	10	
815	12" HDPE DR 11 Pipe(DIPS)	LF	261	
818	6" C900 PVC Waterline	LF	10	
822	Customer Shut-off Valve	EA	3	
824	Relay 3/4" Short Service	EA	1	
824	Relay 3/4" Long Service	EA	2	
824	New Unmetered 3/4" Short Service	EA	1	
828	12" Gate Valve	EA	1	
833	New Meter Box	EA	4	
833	Existing Meter and New Meter Box Relocation	EA	3	
836	Grey Iron and Ductile-Iron Fittings	TON	0.65	
840	6" Water Tie-Ins	EA	1	
840	16" Water Tie-Ins	EA	1	
844	2" Blowoff, Temporary	EA	2	
846	1" Air Release Valve	EA	1	
856.1	12-Inch HDPE Carrier Pipe	LF	35	
856.2	24-Inch Steel Casing (Open-Cut)	LF	35	
SP 250	Seal Coat (TxDOT Spec)	SY	106	



LEGEND	
PROP. WATER MAIN	
PROP. REDUCER	
EXIST. WATER MAIN	
UTILITY POLE LINE	
OH ELECTRIC CABLE	
UNDR ELECTRIC	
OH TELEPHONE	
UNDR TELEPHONE	
UNDR FIBER OPTIC	
TELEPHONE PEDESTAL	
SERVICE CASING	
NEW UNMETERED SERVICE:	
3/4" SINGLE	
1" DUAL	
SERVICE RECONNECT:	
3/4"	
1" OR LARGER	
SERVICE RELAY:	
3/4"	
1" OR LARGER	
SERVICE RELOCATE:	
3/4"	
1" OR LARGER	
EXIST. WATER METER	
RELOCATE METER	
NEW SERVICE:	
3/4"	
1" OR LARGER	
APPARENT RIGHT OF WAY	
PROPERTY LINES	
EASEMENT LINES	
EXIST. TOPO	
EXIST. EDGE OF PVMT	
CHAINLINK FENCE	
WIRE FENCE	
GRAVEL DRIVEWAY	
PAVEMENT RESTORATION LIMITS	

- NOTES**
1. DUE TO FEDERAL REGULATION TITLE 49, PART 92.181 CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES ADJACENT TO THE WORK AREAS.
 3. THE CONTRACTOR WILL HAVE RESPONSIBILITY TO PROTECT AND SUPPORT CABLE TV AND TELEPHONE COMPANY PLANT DURING CONSTRUCTION.
 4. THE EXISTENCE AND LOCATION OF UTILITIES INDICATED ON THE PLAN ARE TAKEN FROM AVAILABLE RECORDS AND ARE NOT GUARANTEED TO BE ACCURATE.
 5. CONTRACTOR TO REMOVE AND REINSTALL EXISTING SIGNS (NSPI).

MAESTAS
 8122 DATAPOINT DR., STE. 840 SAN ANTONIO, TX 78229
 (210) 366-1988 TBPE No.: F-333 TBPLS No.: 10194506

No.	Revision	Drawn	Approved	Date
1	HMAC Pavement Type Update Addendum No. 2			1/29/2024

REVISIONS

MATHIS ROAD
 HARDY ROAD TO WATERWOOD PASS
 APPROACH WATER MAIN

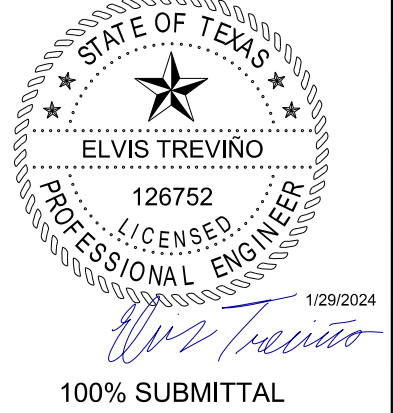
WATER PLAN
 STA 10+00 TO STA 14+00

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

SUBMITTED: _____
 APPROVED: _____

MAP No. 184488 SHEET 10
 SECT. No. _____ OF 59

DR. LW CK. ET JOB No. 22-7002



100% SUBMITTAL

TRENCH EXCAVATION SAFETY PROTECTION

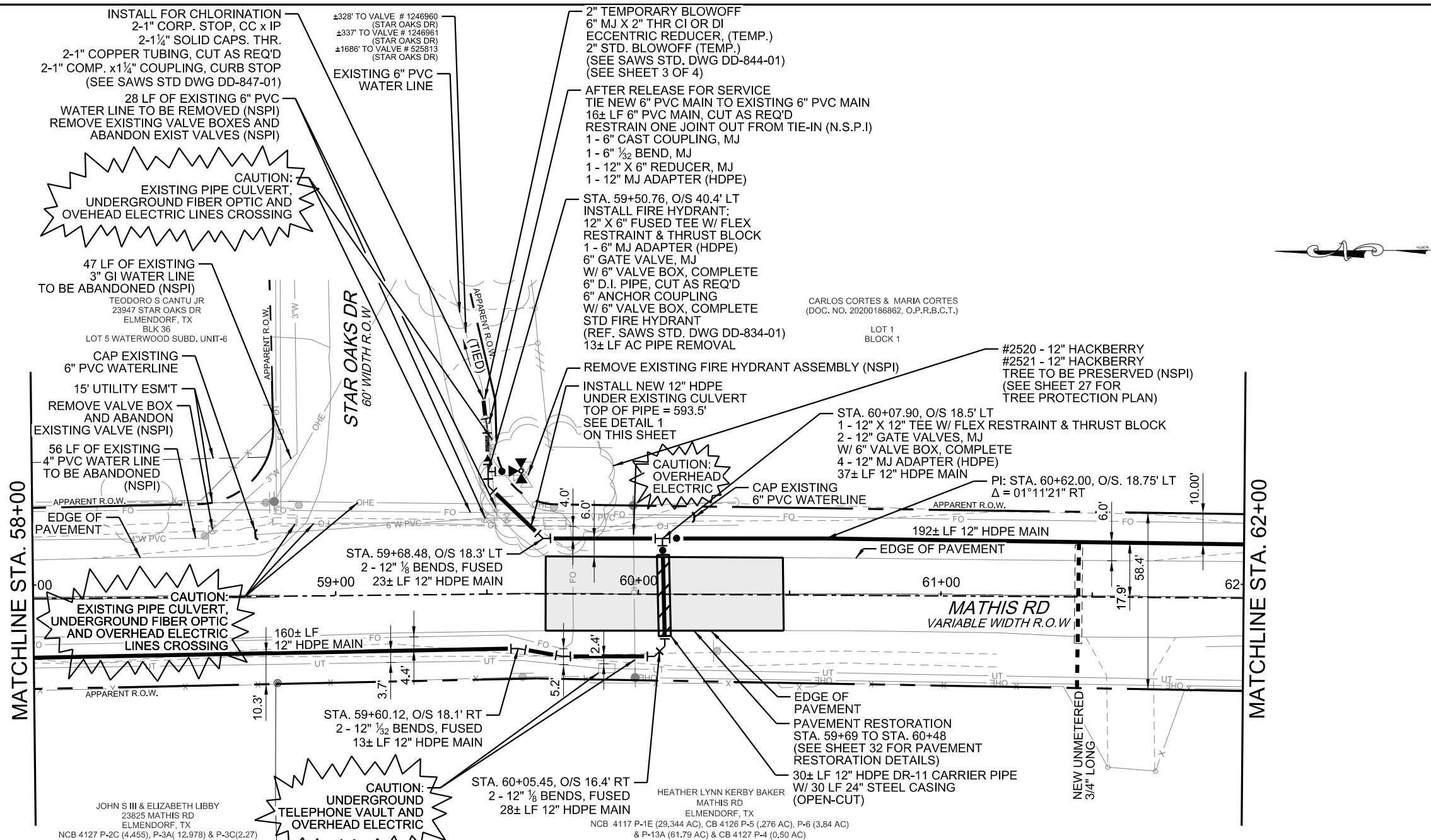
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION. CALL C.P.S. LOCATOR AT 210-227-3606, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

SERVICE LATERAL NOTES:
 CUTTING AND RESTORING PAVEMENT ON LONG LATERALS WILL NOT BE ALLOWED. LONG SERVICES/RELAYS SHALL BE JACKED, BORED/PUSHED UNDER EXISTING PAVEMENT TO AVOID PAVEMENT CUTS ACROSS EXISTING STREETS IN PROJECT AREA. ALL SERVICE LINES CROSSING UNDER THE STREET SHALL BE ENCASED AS FOLLOWS:
 3/4" SERVICE = 2" PVC CASING
 1" SERVICE = 3" PVC CASING
 2" SERVICE = 4" PVC CASING
 CASING SHALL EXTEND 5 FT BEYOND EDGE OF PAVEMENT. ALL CABLES OR LINES TO BE INSTALLED UNDER STREETS SHALL BE BORED WITH A MINIMUM COVER OF 30 INCHES.

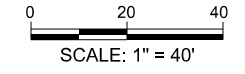
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ESTIMATED QUANTITIES				
ITEM	DESCRIPTION	UNIT	EST	FINAL
203.1	Tack Coat (COSA Spec)	Gal	22	
205.3	Hot Mix Asphaltic Concrete Pavement, Type C (2" Comp. Depth) (COSA Spec)	SY	213	
206.1	Asphalt Treated Base (ATB) (10" Comp. Depth) (COSA Spec)	SY	17	
208.1	Salvage, Haul & Stockpiling Reclaimable Asphaltic Pavement (2" Depth) (COSA Spec)	SY	213	
413.1	Flowable Fill (CoSA Spec)	CY	13	
520.1	Hydromulching (COSA Spec)	SY	521	
536.1	4" Wide Yellow Line (COSA Spec)	LF	80	
537.8	Pavement Marker Type II-A-A (COSA Spec)	EA	4	
550	Trench Excavation Safety Protection	LF	499	
815	12" HDPE DR 11 Pipe(DIPS)	LF	453	
818	6" C900 PVC Waterline	LF	16	
824	New Unmetered 3/4" Long Service	EA	1	
828	12" Gate Valve	EA	2	
833	New Meter Box	EA	1	
834.1	Fire Hydrant	EA	1	
836	Grey Iron and Ductile-Iron Fittings	TON	0.18	
840	6" Water Tie-Ins	EA	1	
844	2" Blowoff, Temporary	EA	1	
855.1	12-Inch HDPE Carrier Pipe	LF	30	
855.2	24-Inch Steel Casing (Open-Cut)	LF	30	
3000	Removal, Transportation, and Disposal of AC Pipe	LF	13	
SP 250	Seal Coat (TxDOT Spec)	SY	213	



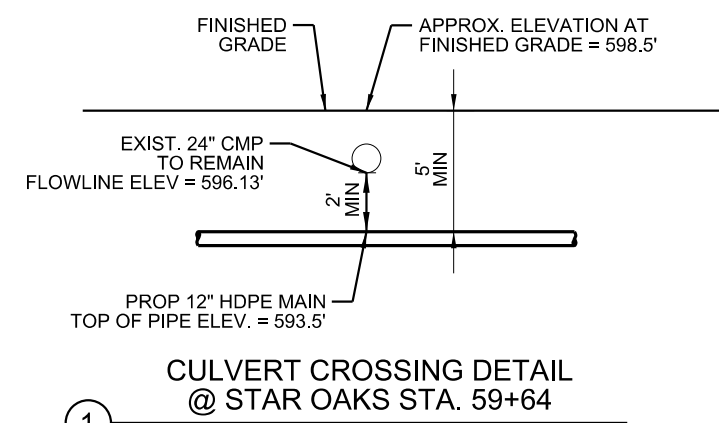
LEGEND	
PROP. WATER MAIN	
PROP. REDUCER	
EXIST. WATER MAIN	
UTILITY POLE LINE	
OH ELECTRIC CABLE	
UNDRG ELECTRIC	
OH TELEPHONE	
UNDRG TELEPHONE	
UNDRG FIBER OPTIC	
TELEPHONE PESTAL	
SERVICE CASING	
NEW UNMETERED SERVICE:	
3/4" SINGLE	
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1" OR LARGER	
SERVICE RELAY:	
3/4"	
1" OR LARGER	
SERVICE RELOCATE:	
3/4"	
1" OR LARGER	
EXIST. WATER METER	
RELOCATE METER	
NEW SERVICE:	
3/4"	
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APPARENT RIGHT OF WAY	
PROPERTY LINES	
EASEMENT LINES	
EXIST. TOPO	
EXIST. EDGE OF PVMT	
CHAINLINK FENCE	
WIRE FENCE	
GRAVEL DRIVEWAY	
PAVEMENT RESTORATION LIMITS	

100% SUBMITTAL NOTES				
1.	DUE TO FEDERAL REGULATION TITLE 49, PART 92.181 CPS MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.			
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MAESTAS
 8122 DATAPOINT DR., STE. 840 SAN ANTONIO, TX 78229
 (210) 366-1988 TBPE No.: F-333 TBPLS No.: 10194506

No.	Revision	Drawn	Approved	Date
1	HMAC Pavement Type Update Addendum No. 2	LW	ET	1/29/2024

REVISIONS	
	MATHIS ROAD HARDY ROAD TO WATERWOOD PASS APPROACH WATER MAIN
WATER PLAN STA 58+00 TO STA 62+00	
DEVELOPER:	SAN ANTONIO WATER SYSTEM
CONT.	BUDGET PROJ. #
SUBMITTED	
APPROVED	
MAP No.	186484
SECT. No.	
DR. LW	CK. ET
JOB No.	22-7002
SHEET	17
OF 59	



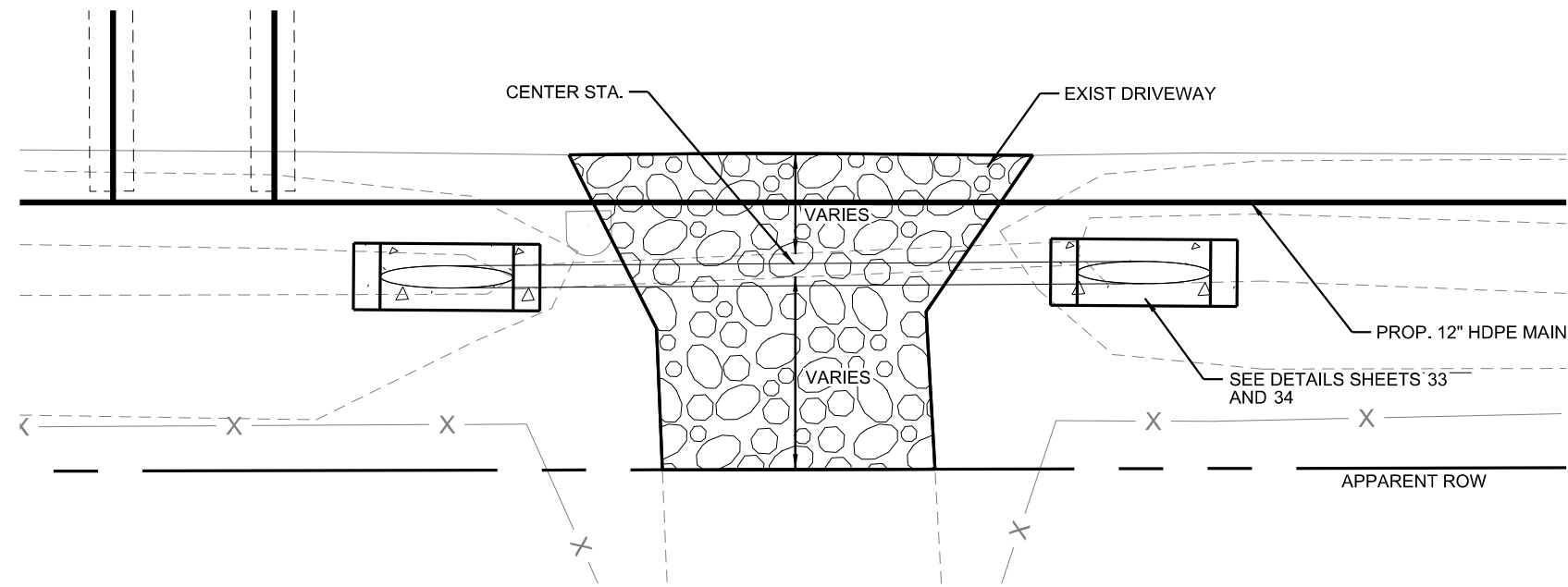
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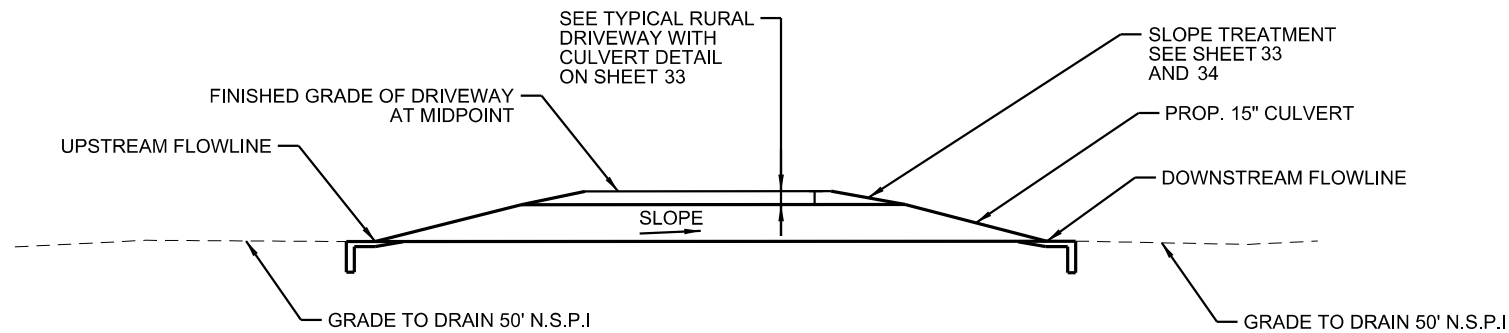
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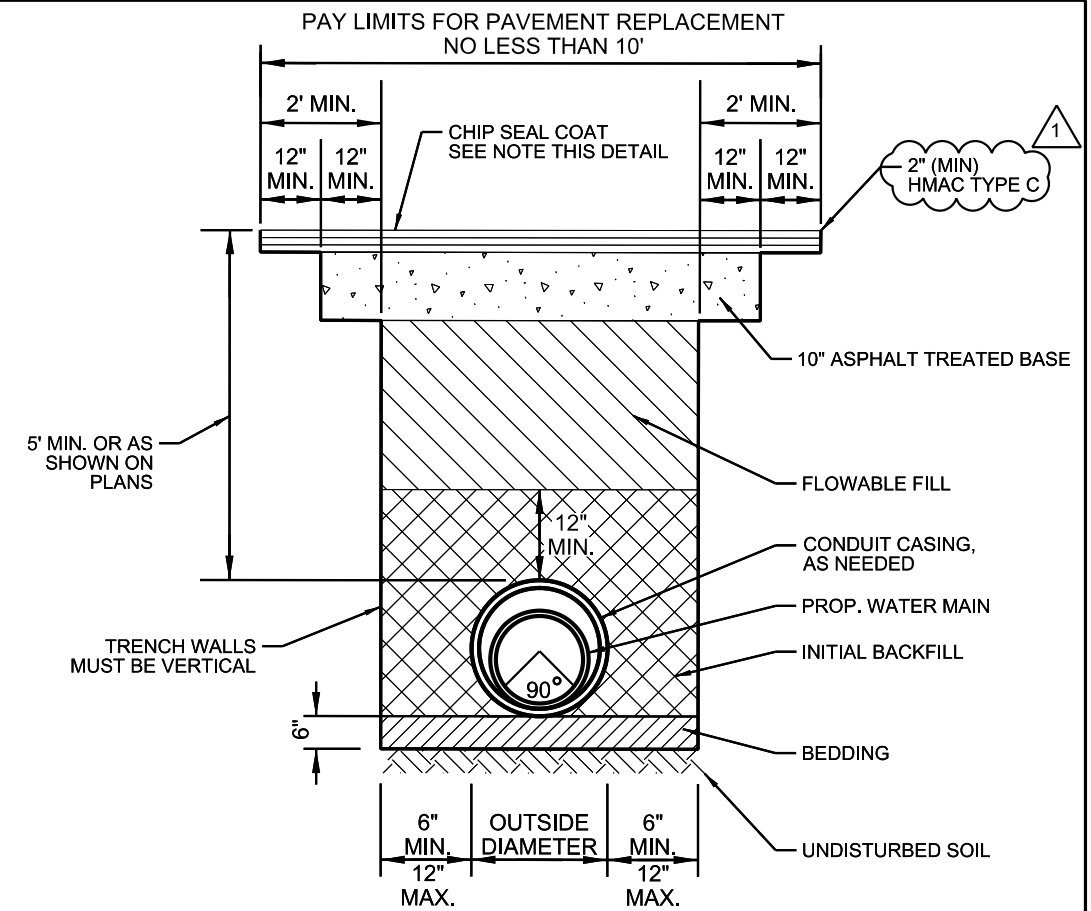
NOTE: DRIVEWAYS TO BE REPLACED TO BEXAR COUNTY STANDARDS. SEE DETAIL SHEET 33



DRIVEWAY CULVERTS DETAILS

NOT TO SCALE

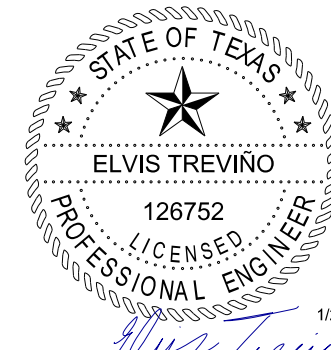
DIA	CENTER STA	RIGHT OR LEFT	O/S FROM BASELINE	MATERIAL	CULVERT LENGTH (FT)	UPSTREAM FLOWLINE	SLOPE (%)	DOWNSTREAM FLOWLINE
15"	16+17	RT	20.6	CMP	23	628.37	0.74	628.20
15"	18+46	RT	20.5	CMP	24	625.07	2.99	624.35
15"	22+81	RT	20.6	CMP	40	633.68	3.66	632.22
15"	24+69	RT	19.4	CMP	32	640.80	4.49	639.36
15"	48+84	RT	21.9	CMP	24	610.32	2.48	609.72
15"	65+40	LT	19.2	CPP	20	599.64	0.65	599.51
15"	69+34	LT	19.9	CMP	64	608.10	2.72	606.36



PAVEMENT TRENCH REPAIR DETAIL

NOT TO SCALE

NOTE: CHIP SEAL COAT SHALL BE EXTENDED A MINIMUM 5 FEET IN EACH DIRECTION FROM THE EDGE OF PAVEMENT REPLACEMENT.



100% SUBMITTAL

MAESTAS			
8122 DATAPOINT DR., STE. 840 SAN ANTONIO, TX 78229 (210) 366-1988 TBPE No.: F-333 TBPLS No.: 10194506			
1	HMAC Pavement Type Update Addendum No. 2	LW	ET 1/29/2024
No.	Revision	Drawn	Approved Date
REVISIONS			
MATHIS ROAD HARDY ROAD TO WATERWOOD PASS APPROACH WATER MAIN DRIVEWAY CULVERT AND PAVEMENT TRENCH REPAIR DETAIL SHEET 1 OF 1			
DEVELOPER: SAN ANTONIO WATER SYSTEM			
CONT.		BUDGET PROJ. #	
SUBMITTED			
APPROVED			
MAP No.		SHEET	
SECT. No.		32	
DR. LW	CK. ET	JOB No. 22-7002	OF 59