

- SAWS REQUIRES GCPs AND COUNTER PERMITS TO USE LEAD FREE (<0.25% LEAD) FIRE
- ANCHORAGE/THRUST BLOCKING AND JOINT RESTRAINTS SHALL BE DONE IN ACCORDANCE WITH SAWS STANDARD SPECIFICATIONS FOR CONSTRUCTION. (ITEM NO. 839)
- THE SAN ANTONIO WATER SYSTEM IS HEREBY GRANTED THE RIGHT OF INGRESS AND EGRESS ACROSS GRANTOR'S ADJACENT PROPERTY TO ACCESS THE WATER AND/OR WASTEWATER EASEMENTS SHOWN.

SAWS CONSTRUCTION NOTES

Revised January 2022

General Section Notes

1. All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the Plans, Specifications, General Conditions and with the following as applicable:

- A. Current Texas Commission on Environmental Quality (TCEQ) "Design Criteria for Domestic Wastewater System", Texas Administrative Code (TAC) Title 30 Part 1 Chapter 217 and "Public Drinking Water", TAC Title 30 Part 1 Chapter 290. B. Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage". C. Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction" D. Current City of San Antonio "Standard Specifications for Public Works Construction"
- 2. The contractor shall not proceed with any pipe installation work until they obtain a copy of the approved Counter Permit or General Construction Permit (GCP) from the consultant and has been notified by SAWS Construction Inspection Division to proceed with the work and has arranged a meeting with the inspector and consultant for the work requirements. Work completed by the contractor without an approved Counter Permit and/or a GCP will be subject to removal and replacement at the expense of the contractors
- 3. The Contractor shall obtain the SAWS Standard Details from the SAWS website http://www.saws.org/business_center/specs. Unless otherwise noted within the design plans.

E. Current City of San Antonio "Utility Excavation Criteria Manual" (UECM).

- 4. The Contractor is to make arrangements with the SAWS Construction Inspection Division at (210) 233-2973, on notification procedures that will be used to notify affected home residents and/or property owners 48 hours prior to beginning any work.
- 5. Location and depth of existing utilities and service laterals shown on the plans are understood to be approximate. Actual locations and depths must be field verified by the Contractor at least 1 week prior to construction. It shall be the Contractor's responsibility to locate utility service lines as required for construction and to protect them during construction at no cost to SAWS.
- 6. The Contractor shall verify the exact location of underground utilities and drainage structures at least 1-2 weeks prior to construction whether shown on plans or not. Please allow up to 7 business days for locates requesting pipe location markers on SAWS facilities. The following contact information are supplied for verification purposes:
- SAWS Utility Locates: http://www.saws.org/Service/Locates

- Texas State Wide One Call Locator 1-800-545-6005 or 811

- COSA Drainage (210) 207-0724 or (210) 207-6026 - COSA Traffic Signal Damages (210) 207-3951
- 7. The Contractor shall be responsible for restoring existing fences, curbs, streets, driveways, sidewalks, landscaping and structures to its original or better condition if damages are made as a result of the project's construction.
- 8. All work in Texas Department of Transportation (TxDOT) and/or Bexar County right-of-way shall be done in accordance with respective construction specifications and permit requirements.
- 9. The Contractor shall comply with City of San Antonio or other governing municipality's tree ordinances when excavating near
- 10. The Contractor shall not place any waste materials in the 100-year Flood Plain without first obtaining an approved Flood Plain
- 11. Holiday Work: Contractors will not be allowed to perform SAWS work on SAWS recognized holidays. Request should be sent to
- Weekend Work: Contractors are required to notify the SAWS Inspection Construction Department 48 hours in advance to request weekend work. Request should be sent to constworkreq@saws.org.
- Any and all SAWS utility work installed without holiday/weekend approval will be subject to be uncovered for proper inspection. 12. Compaction note (Item 804): The contractor shall be responsible for meeting the compaction requirements on all trench backfill and for paying for the tests performed by a third party. Compaction tests will be done at one location point randomly selected, or as indicated by the SAWS Inspector and/or the test administrator, per each 12-inch loose lift per 400 linear feet at a minimum. This

project will not be accepted and finalized by SAWS without this requirement being met and verified by providing all necessary

13. A copy of all testing reports shall be forwarded to SAWS Construction Inspection Division.

1. Prior to tie-ins, any shutdowns of existing mains of any size must be coordinated with the SAWS Construction Inspection Division at least one week in advance of the shutdown. The Contractor must also provide a sequence of work as related to the tie-ins; this is at no additional cost to SAWS or the project and it is the responsibility of the Contractor to sequence the work accordingly.

- For water mains 12" or higher: SAWS Emergency Operations Center (210) 233-2014
- 2. Asbestos Cement (AC) pipe, also known as transite pipe which is known to contain asbestos-containing material (ACM), may be located within the project limits. Special waste management procedures and health and safety requirements will be applicable when removal and/or disturbance of this pipe occurs. Such work is to be made under Special Specification Item No. 3000, "Special Specification for Handling Asbestos Cement Pipe".
- 3. Valve removal: Where the contractor is to abandon a water main, the control valve located on the abandoning branch will be
- 4. Suitable anchorage/thrust blocking or joint restraint shall be provided at all of the following main locations: dead ends, plugs, caps, tees, crosses, valves, and bends, in accordance with the Standard Drawings DD-839 Series and Item No. 839, in the SAWS
- All valves shall read "open right". 6. PRVs Required: Contractor to verify that no portion of the tract is below ground elevation of 643 FT feet where the static pressure will normally exceed 80 PSI. At all such locations where the ground level is below 643 feet, the Developer or Builder shall install at each lot, on the customer's side of the meter, an approved type pressure regulator in conformance with the Plumbing Code of the
- 7. Pipe Disinfection with Dry HTH for Projects less than 800 linear feet. (Item No. 847.3): Mains shall be disinfected with dry HTH where shown in the contract documents or as directed by the Inspector, and shall not exceed a total length of 800 feet. This method of disinfection will also be followed for main repairs. The Contractor shall utilize all appropriate safety measure to protect his

City of San Antonio. No dual services allowed for any lot(s) if *PRV is/are required for such lot(s), only single service connections

personnel during disinfection operations.

All irrigation services within residential areas are required to have backflow prevention devices.

shall be allowed. *Note: A pressure regulator is also known as a pressure reducing valve (PRV)

All commercial backflow prevention devices must be approved by SAWS prior to installation. 9. Final connection to the existing water main shall not be made until the water main has been pressure tested, chlorinated, and

10. Division Valves: Division Valves shown on plans or not shown on plans but found in the field shall only be operated by SAWS Distribution and Collection staff and only with prior written approval of the SAWS Director of Production and Operations and proper coordination with all SAWS departments. Contractor shall provide written notification to the inspector a minimum of two weeks in advance to start the coordination process and will be informed by the Inspector when the division valve will be operated by the SAWS Distribution and Collection staff. The Division Valve can only be operated by SAWS Distribution and Collection staff member not the nspector or the contractor. Operation of a Division Valve without the express prior written approval of the SAWS Distribution and Collection staff will constitute a material breach of any written SAWS contract or permit in addition to subjecting the Contractor to liability for any and all fines, fees, or other damages, direct or consequential, that may arise from or be caused by the operation of the valve without prior written permission. Please be informed that the approval of the operation or opening or closing of a division valve

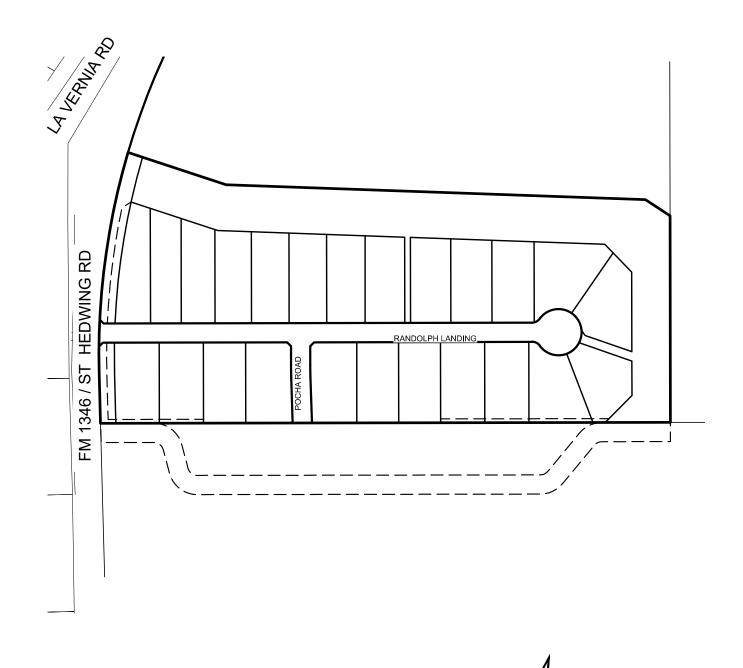
TRENCH EXCAVATION SAFETY PROTECTION

can take several weeks for approval. Division Valves will also have a valve lid labeled Division Valve and a locking mechanism installed with a key. The lock and key mechanism will be paid for by the contractor but will be installed by SAWS Distribution and

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL. REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS. PROGRAMS AND/OR PROCEDURES. THE CONTRACTOR'S IMPLEMENTATION OF THE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION, SAFETY PROTECTION THAT COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS

WORKING IN AND AROUND TRENCH EXCAVATION.

WATER CONSTRUCTION PLANS FOR RANDOLPH LANDING



Onsite Water				
Item No:	Description	Unit	Quantity	
550.0	Trench Protection	L.F.	1,814	
815.0	2" Pipe, HDPE C-901 (DR-9)	L.F.	362	
818.0	8" Pipe, P.V.C. C-900, Class 235 (DR-18)	L.F.	1,452	
824.0	3/4" Single Water Service - Short (5/8" Meter)	EA.	15	
824.0	3/4" Single Water Service - Long (5/8' Meter)	EA.	9	
824.0	3/4" Irrigation Service - Short (5/8" Meter)	EA.	1	
828.0	8" Gate Valve MJ W/ Box	EA.	4	
833.0	Meter Box	EA.	25	
834.1	Standard Fire Hydrant	EA.	3	
836.0	D.I. MJ Compact Fittings (C153)	TON	0.6	
840.0	8" PVC Water Tie-In To Existing 12" PVC	EA.	1	
841.0	Hydrostatic Test	EA.	1	
844.0	2" Blowoff (Permanent)	EA.	1	
844.0	2" Blowoff (Temporary)	EA.	1	
205.4	Hot Mix Asphaltic Pavement Ty. D (2" Comp. Depth) (Pavement Repair)	SY.	27	
206.1	Asphalt Treated Base (10" Comp. Depth) (Pavement Repair)	SY.	27	

WATER QUANTITIES

INDEX MAP Sheet List Table

Officer Figure 1 aprile				
Sheet Number	Sheet Title			
300	WATER COVER SHEET			

OVERALL WATER PLAN WATER DETAIL SHEET WATER DETAIL SHEET

WATER DETAIL SHEET



3/4" SINGLE SERVICE-

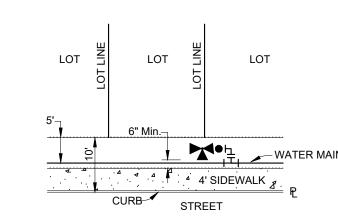
4' SIDEWALK

[⊿] 4' SIDEWALK

METER BOX DETAIL

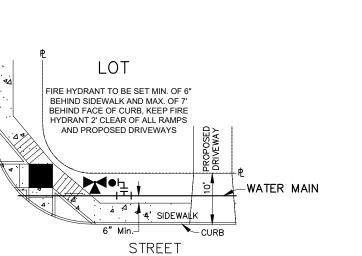
WATER MAIN

- 1" DUAL SERVICE



FIRE HYDRANT DETAIL ON LOCAL "A"

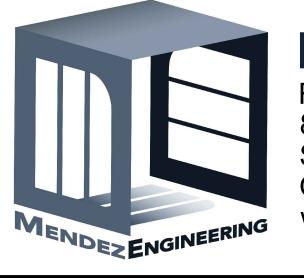
NOTE: Sidewalks and fire hydrants shall be installed per City of San Antonio Standard Specifications for Construction and SAWS Standard Specifications for Construction.



FIRE HYDRANT DETAIL @ CORNER

Antonio Standard Specifications for Construction and SAWS Standard Specifications for Construction.

PREPARED BY:



MENDEZ ENGINEERING

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JMY JR 1346 LLC MIKE YANTIS, JR. 2806 W. BITTERS ROAD, STE 227 SAN ANTONIO, TX 78248

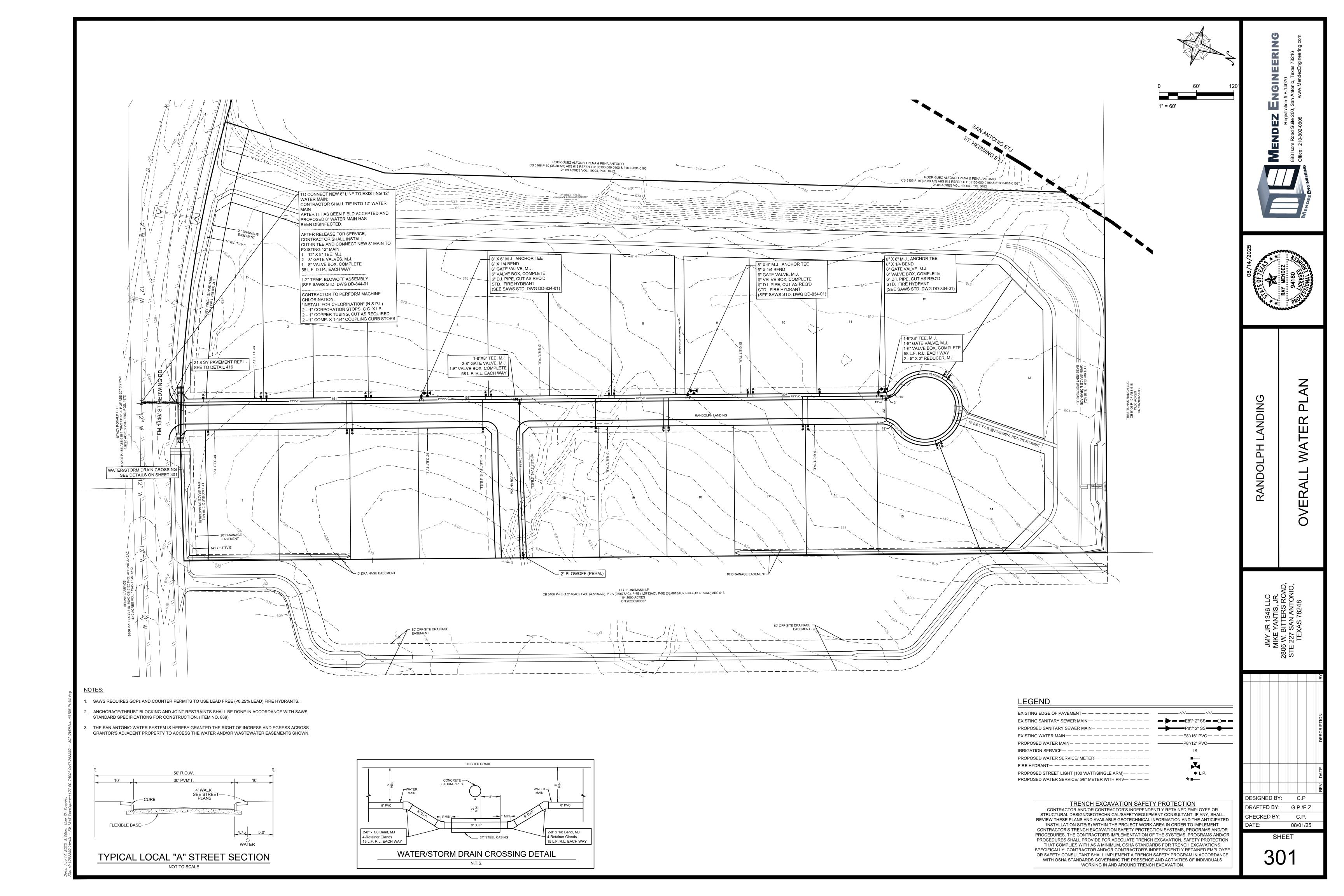
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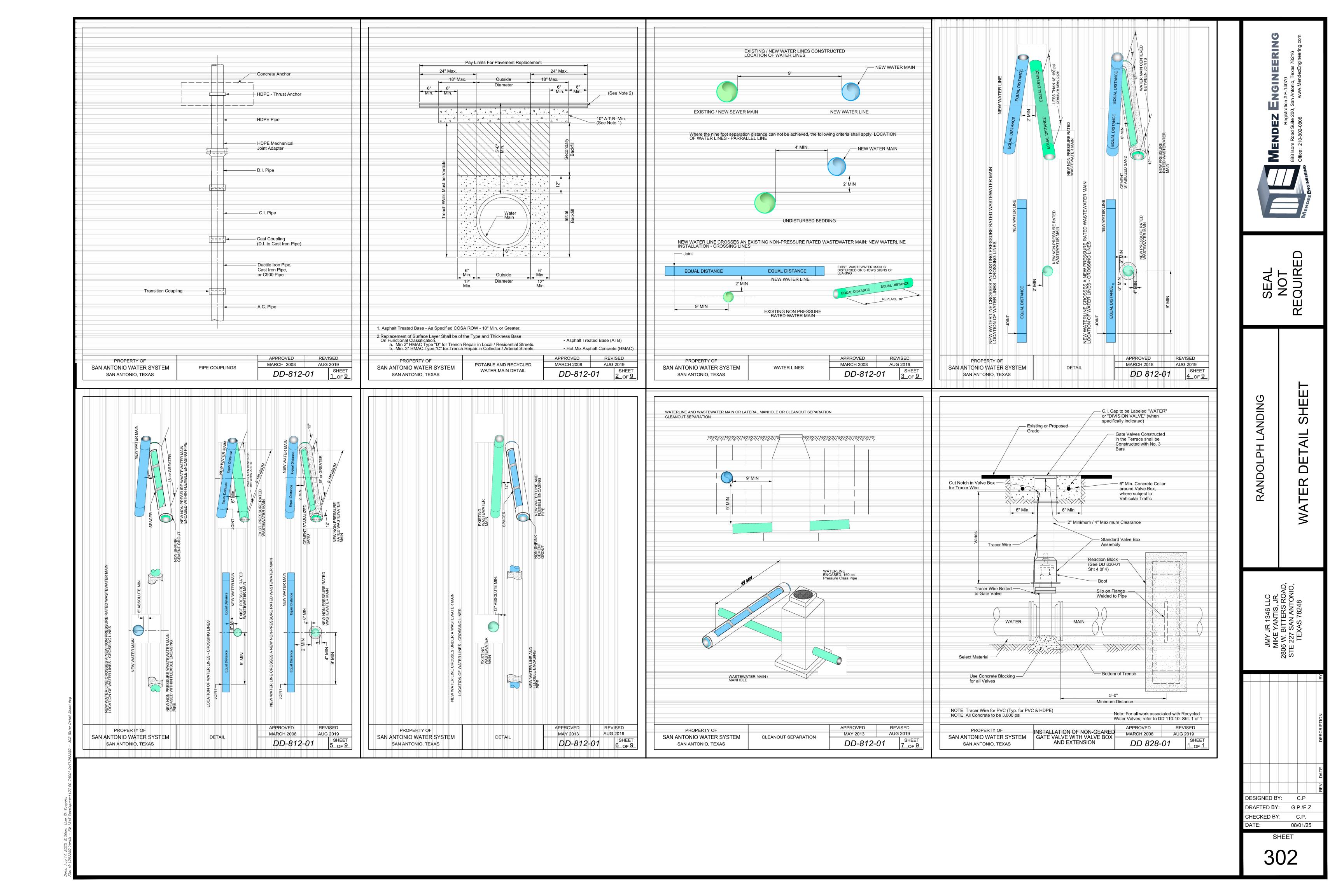
NOTE: Sidewalks and fire hydrants shall be installed per City of San

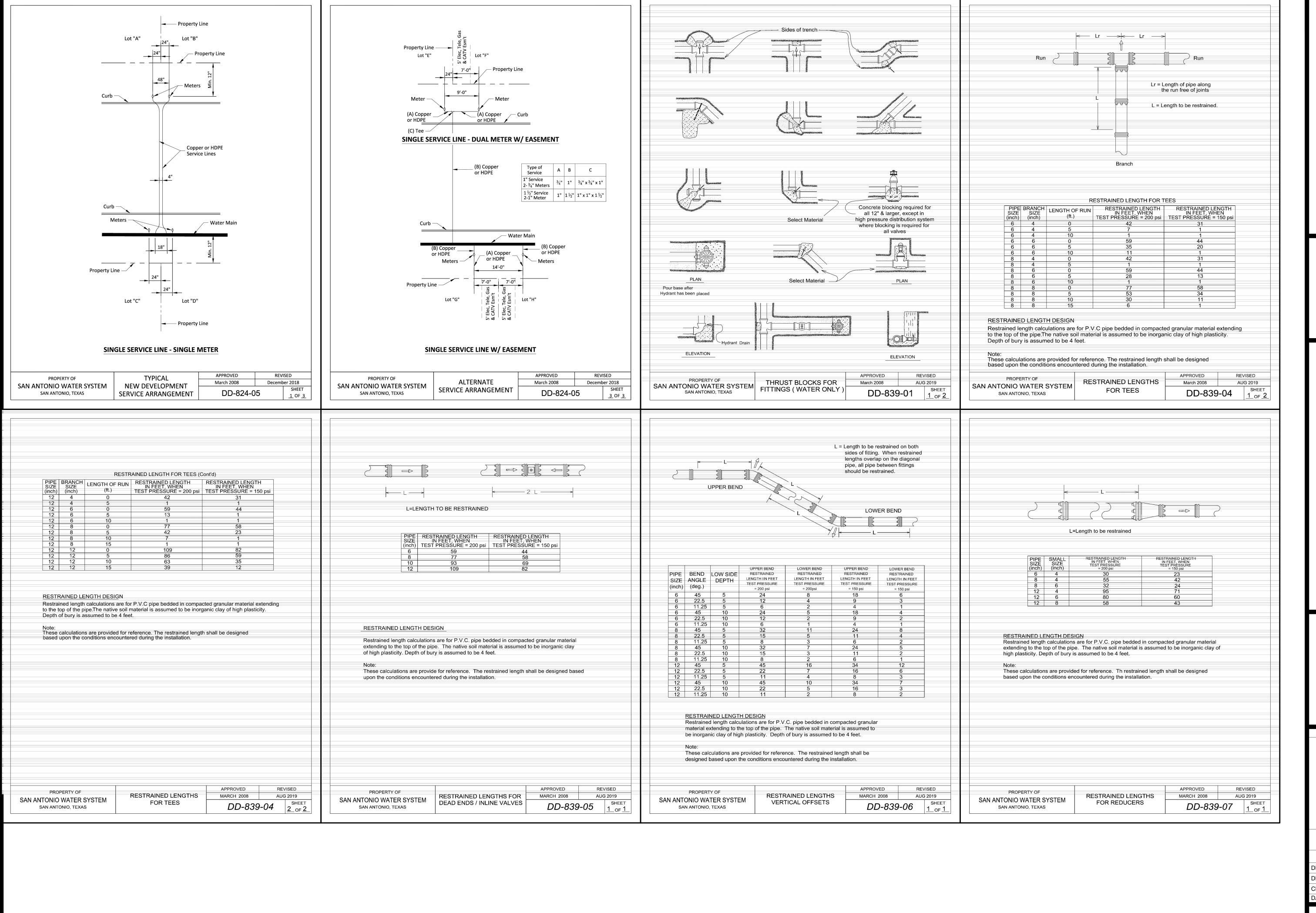
DESIGNED BY:

RAFTED BY:

08/01/25







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SEAL NOT REQUIRED

WATER DETAIL SHEET

LANDING

MIKE YANTIS, JR. 106 W. BITTERS ROAD, TE 227 SAN ANTONIO, TEXAS 78248

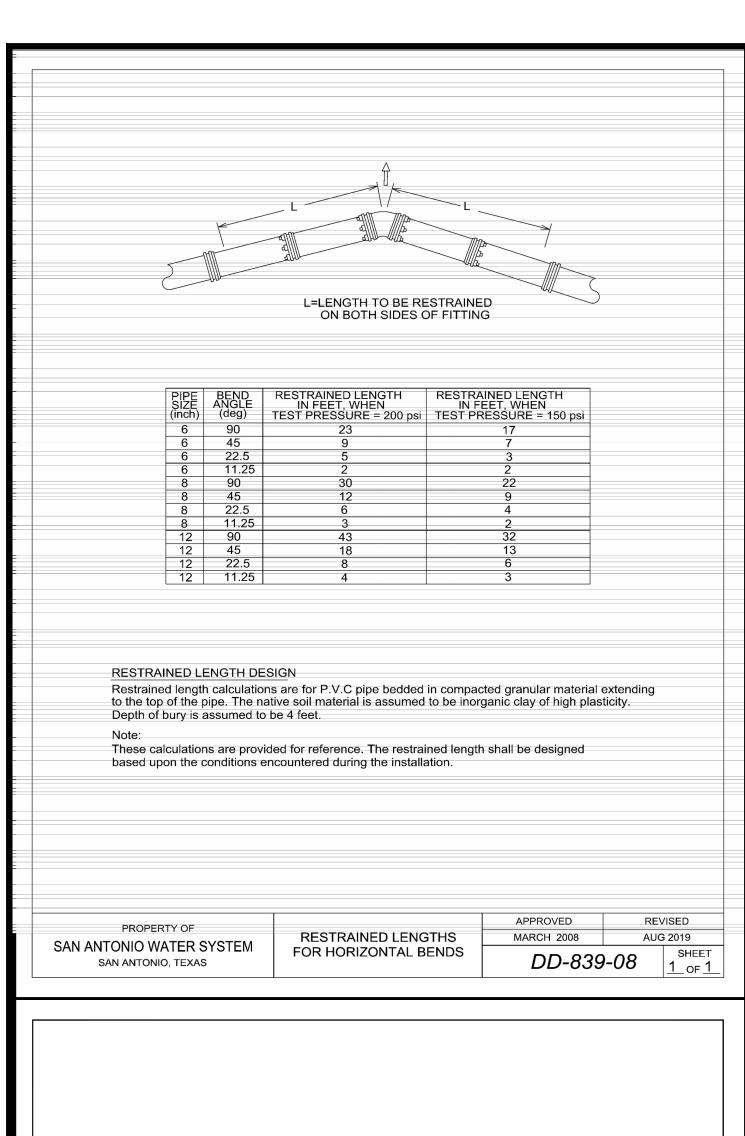
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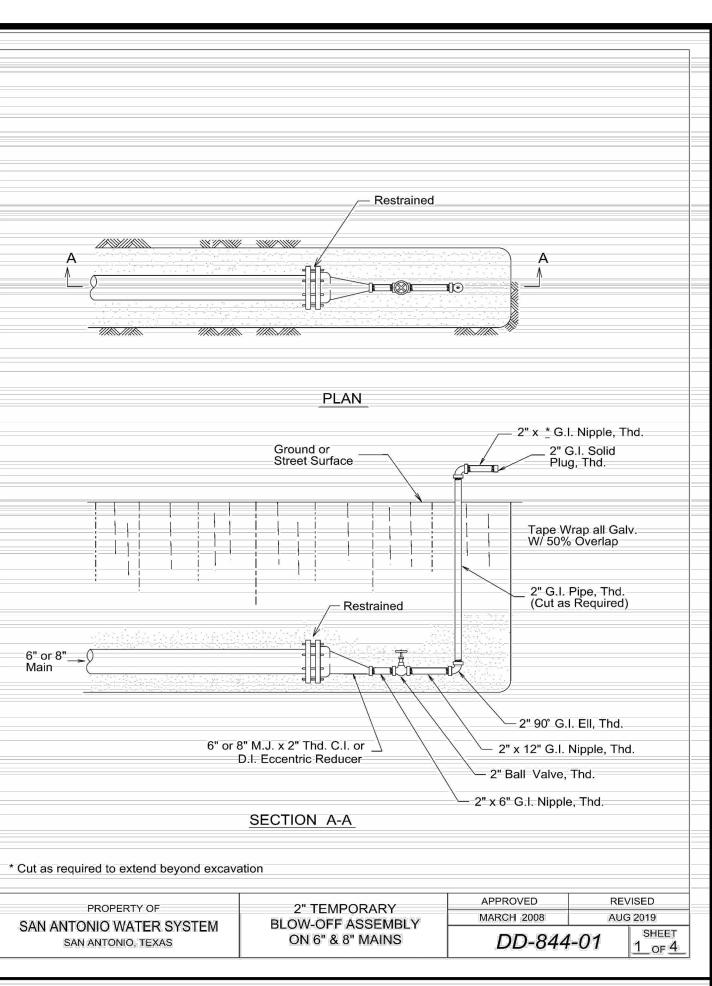
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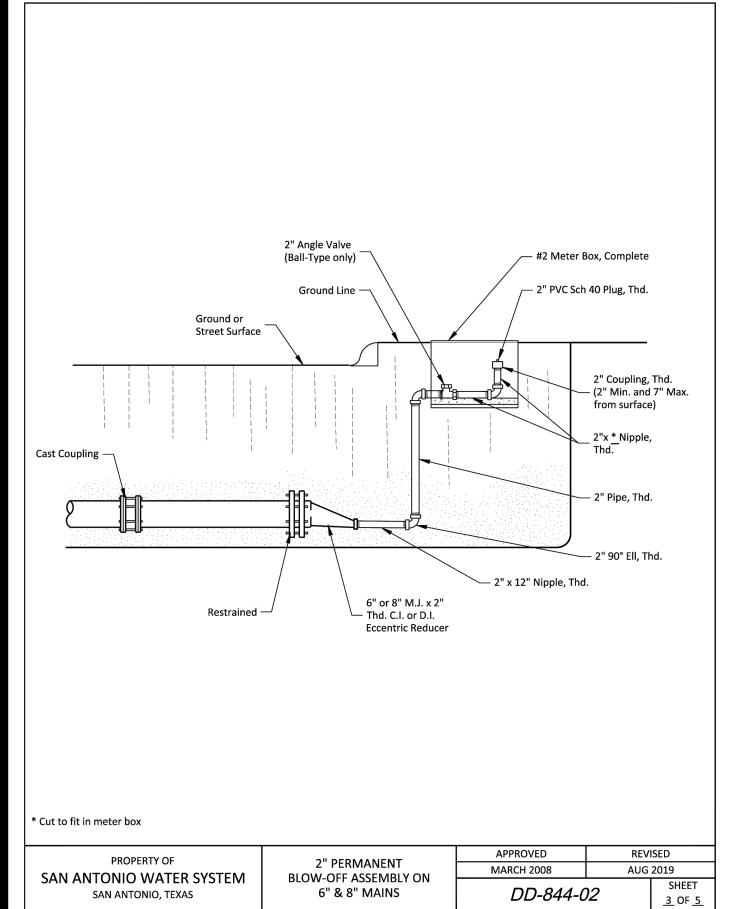
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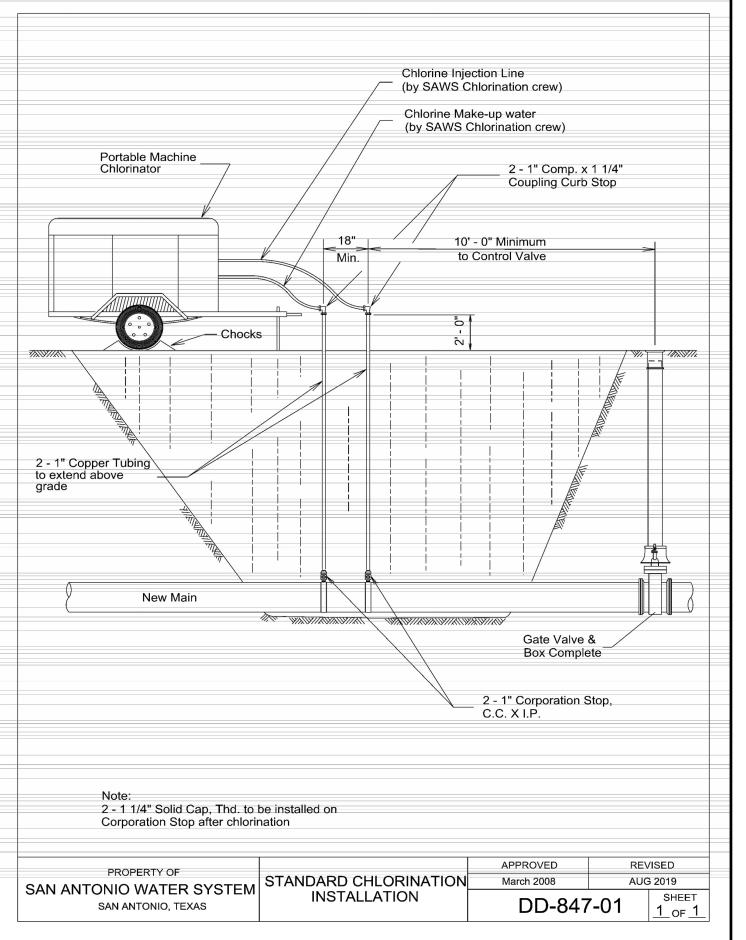
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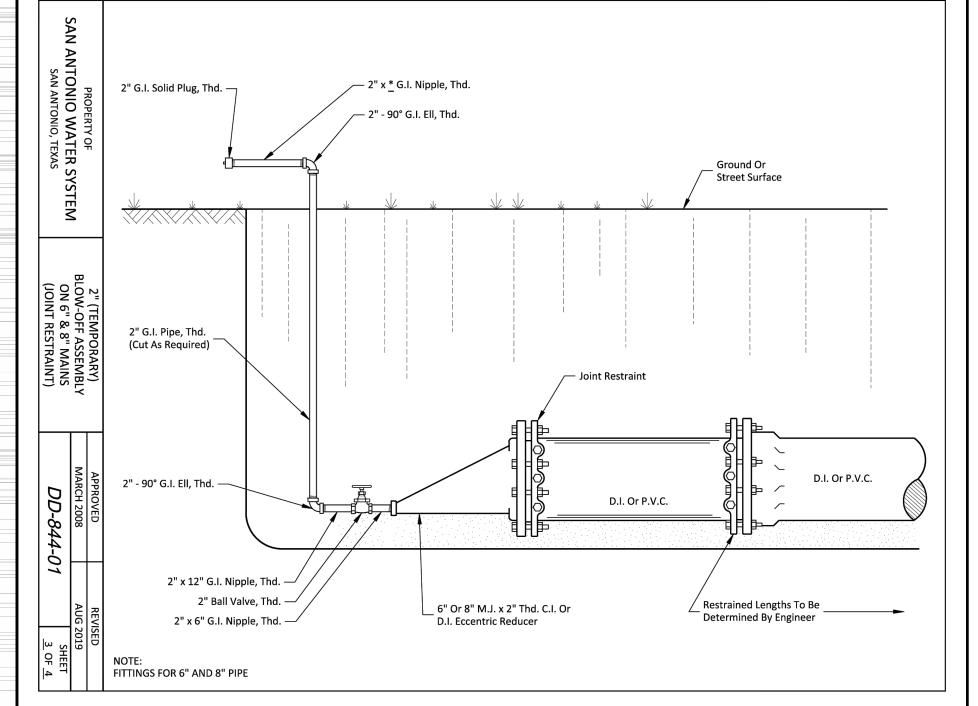
SHEET 303











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SEAL NOT REQUIRED

RANDOLPH LANDING

WATER

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DESIGNED BY: C.P

DRAFTED BY: G.P./E.Z

CHECKED BY: C.P.

DATE: 08/01/25

SHEET

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