

# SMILEY TRACT OFFSITE SEWER

## SAN ANTONIO, TEXAS

### CIVIL CONSTRUCTION PLANS

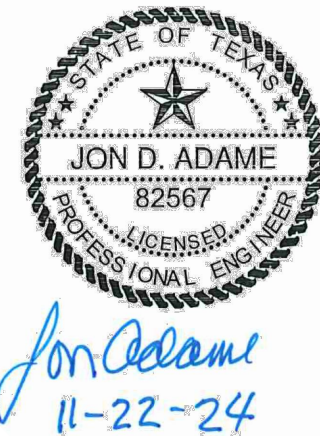


LOCATION MAP  
NOT TO SCALE

PREPARED FOR:  
  
EL RANCHO SONRISA, LLC  
8626 JODHPUR  
FAIR OAKS RANCH, TEXAS 78015

JUNE 2024

**PAPE-DAWSON**  
**ENGINEERS**  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



#### SHEET INDEX

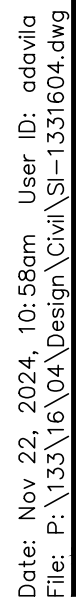
Sheet Description	Sheet No.
COVER SHEET	C0.00
SHEET INDEX	C0.01
OVERALL SANITARY SEWER PLAN	C1.00
OVERALL SANITARY SEWER PLAN	C1.01
SEWER LINE F ~ STA. 1+00.00 TO 12+00.00	C1.02
SEWER LINE F ~ STA. 12+00.00 TO 23+00.00	C1.03
SEWER LINE F ~ STA. 23+00.00 TO 34+00.00	C1.04
SEWER LINE F ~ STA. 34+00.00 TO 45+00.00	C1.05
SEWER LINE F ~ STA. 45+00.00 TO 56+00.00	C1.06
SEWER LINE F ~ STA. 57+00.00 TO END	C1.07
SANITARY SEWER DETAILS	C1.10
SANITARY SEWER NOTES	C1.11
STORM WATER POLLUTION PREVENTION PLAN	C2.00
STORM WATER POLLUTION PREVENTION PLAN	C2.01
STROM WATER POLLUTION PREVENTION DETAILS	C2.10

#### SEWER LOWER - WEST SEWERSHED - DOS RIOS/LEON CREEK

DEVELOPER'S NAME:	EL RANCHO SONRISA, LLC
ADDRESS:	8626 JODHPUR
CITY:	FAIR OAKS RANCH
STATE:	TEXAS
ZIP:	78015
PHONE#	(210) 381-9813
FAX#	
SAWS BLOCK MAP#	P24-072, P24-073, P24-074
TOTAL ACREAGE	N/A
TOTAL LINEAR FOOTAGE OF PIPE:	8" 6,072 LF
PLAT NO.	N/A
NUMBER OF LOTS	N/A
SAWS JOB NO.	24-1540

SHEET C0.00



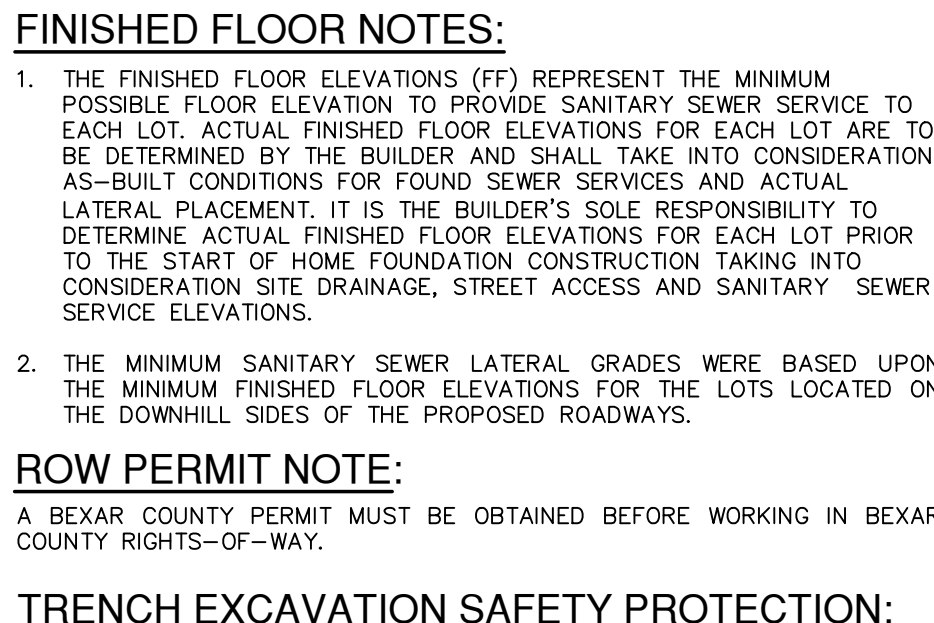


PLAT NO. \_\_\_\_\_  
JOB NO. 13316-04  
DATE JUNE 2024  
DESIGNER AD  
CHECKED AS DRAWN GP  
SHEET C0.01

SEWER LOWER - WEST SEWERSHED - DOS RIOS/LEON CREEK

DEVELOPER'S NAME: <u>EL RANCHO SONRISA, LLC</u>	
ADDRESS: <u>8626 JODHPUR</u>	
CITY: <u>FAIR OAKS RANCH</u>	STATE: <u>TEXAS</u> ZIP: <u>78015</u>
PHONE# <u>(210) 381-9813</u>	FAX# _____
P24-071, P24-072, P24-073, P24-074	
SAWS BLOCK MAP# <u>P24-075</u> TOTAL EDUS <u>2</u> TOTAL ACREAGE <u>N/A</u>	
TOTAL LINEAR FOOTAGE OF PIPE: <u>8" 6,072 LF</u> PLAT NO. <u>N/A</u>	
NUMBER OF LOTS <u>N/A</u>	SAWS JOB NO. <u>24-1540</u>



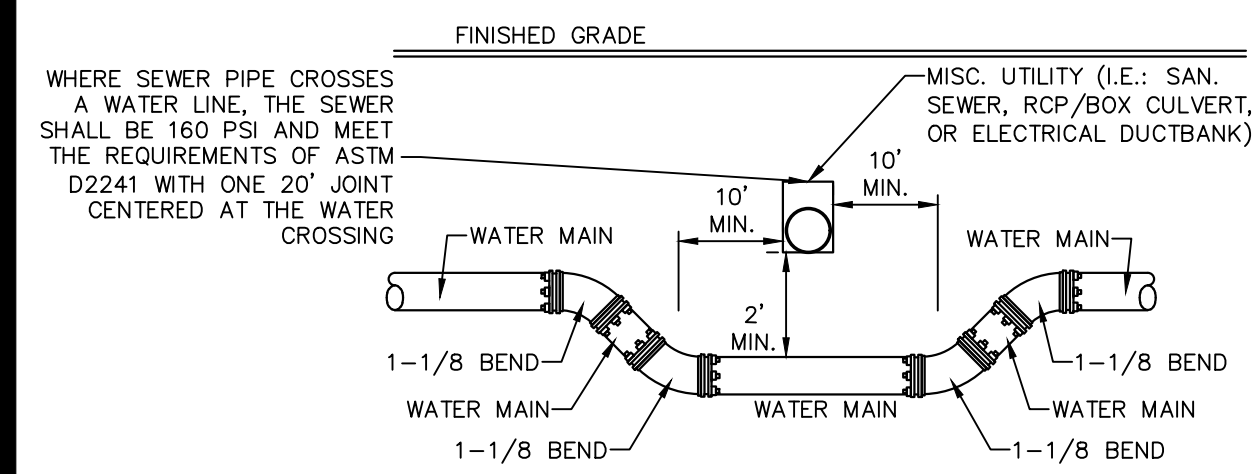


**Y TRACT OFFSITE SEWER**  
**SAN ANTONIO, TEXAS**

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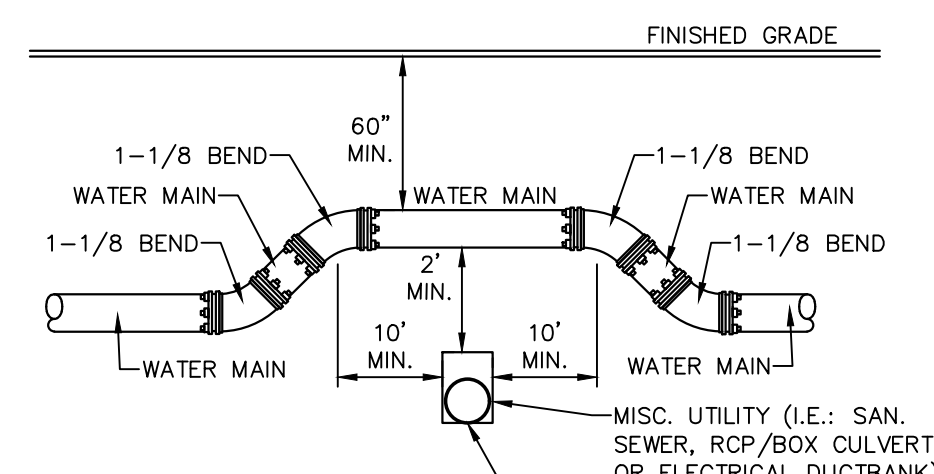
**OVERALL SANITARY SEWER PLAN**



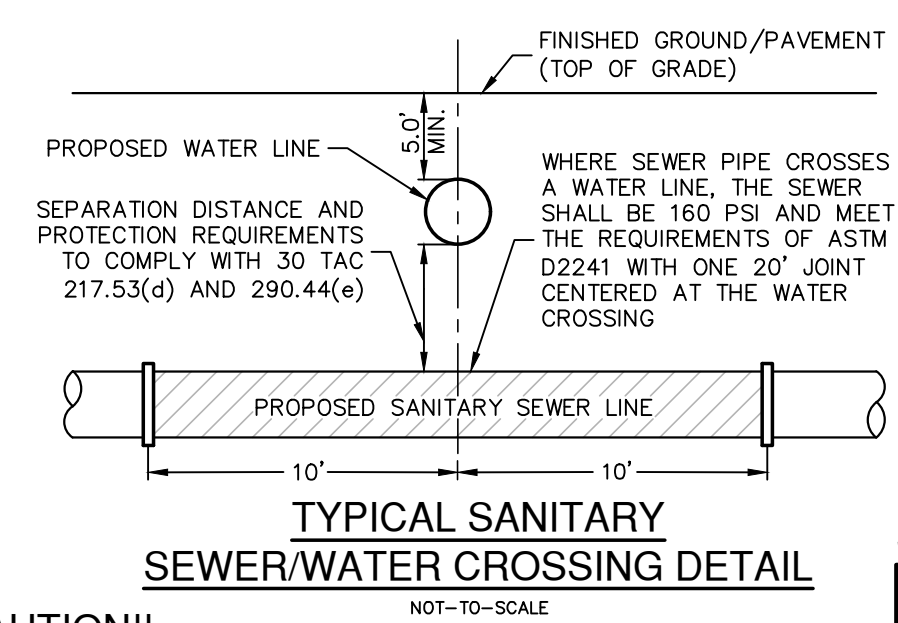
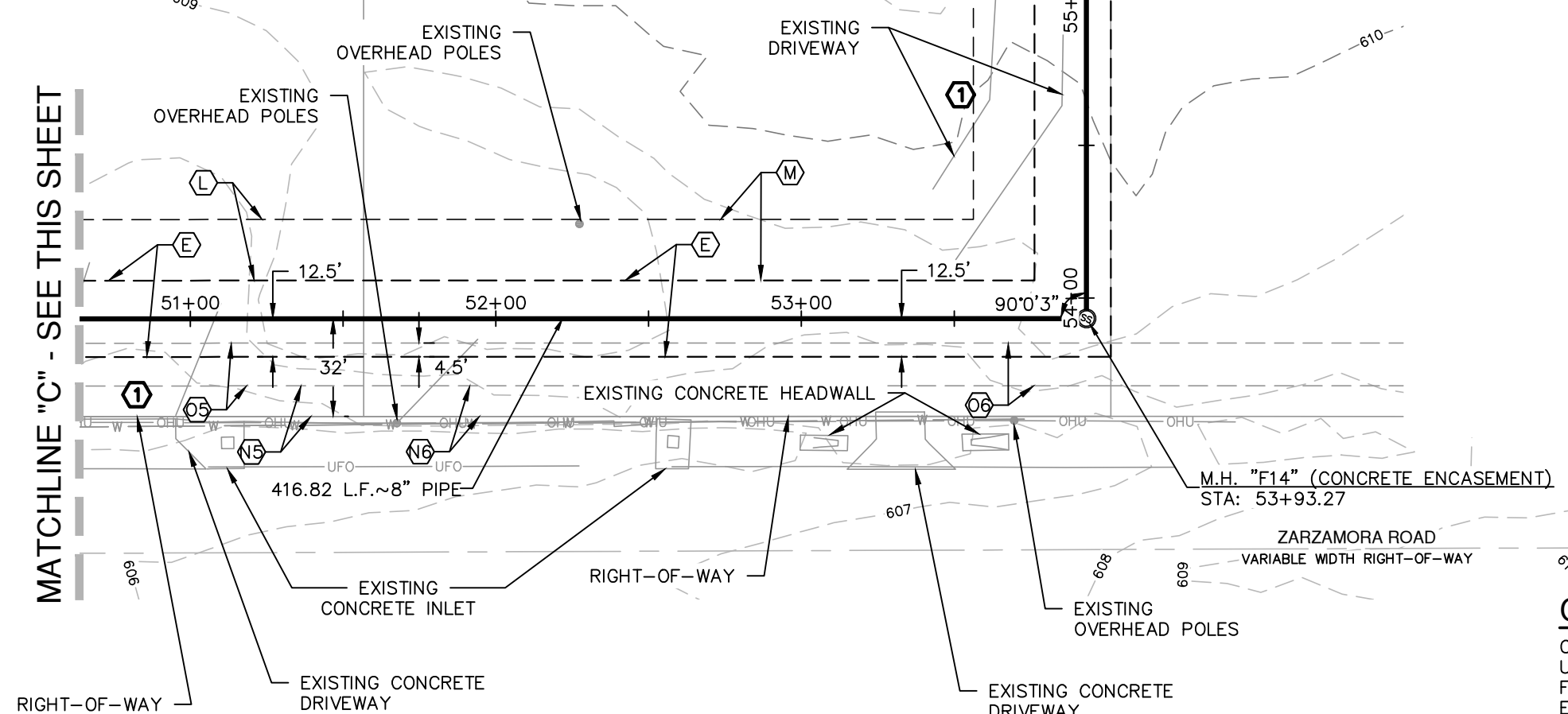


ALL JOINTS ARE FULLY RESTRAINED IN  
ACCORDANCE WITH SAWS SPECIFICATION  
TABLE DD-839-06.

**TYPICAL UTILITY/WATER  
CROSSING DETAIL**

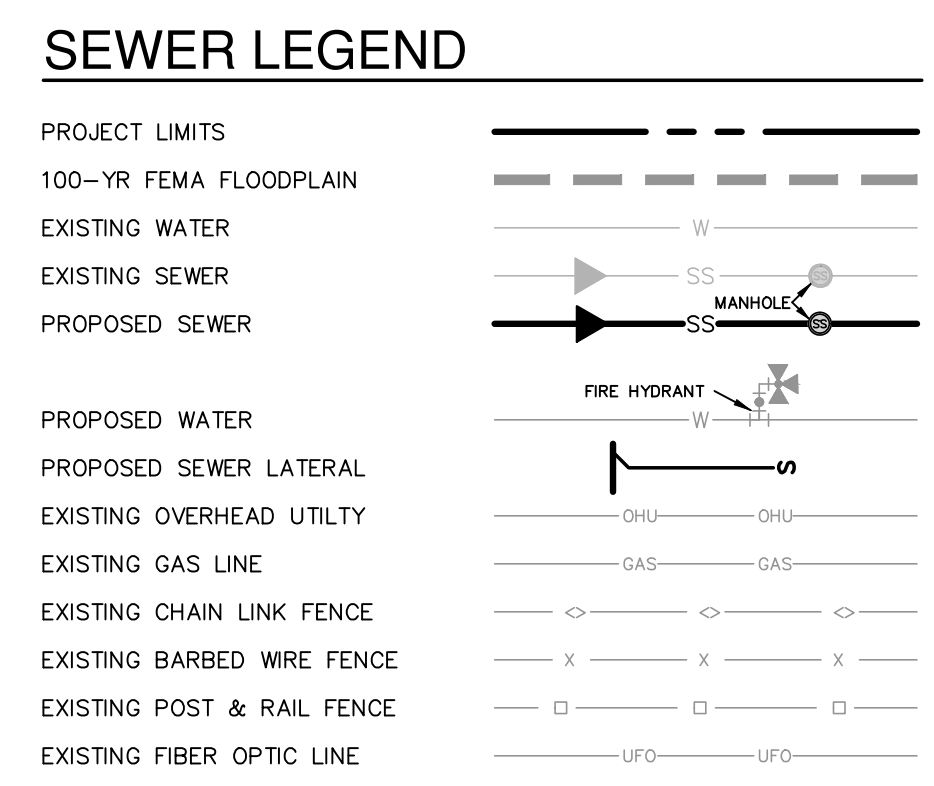
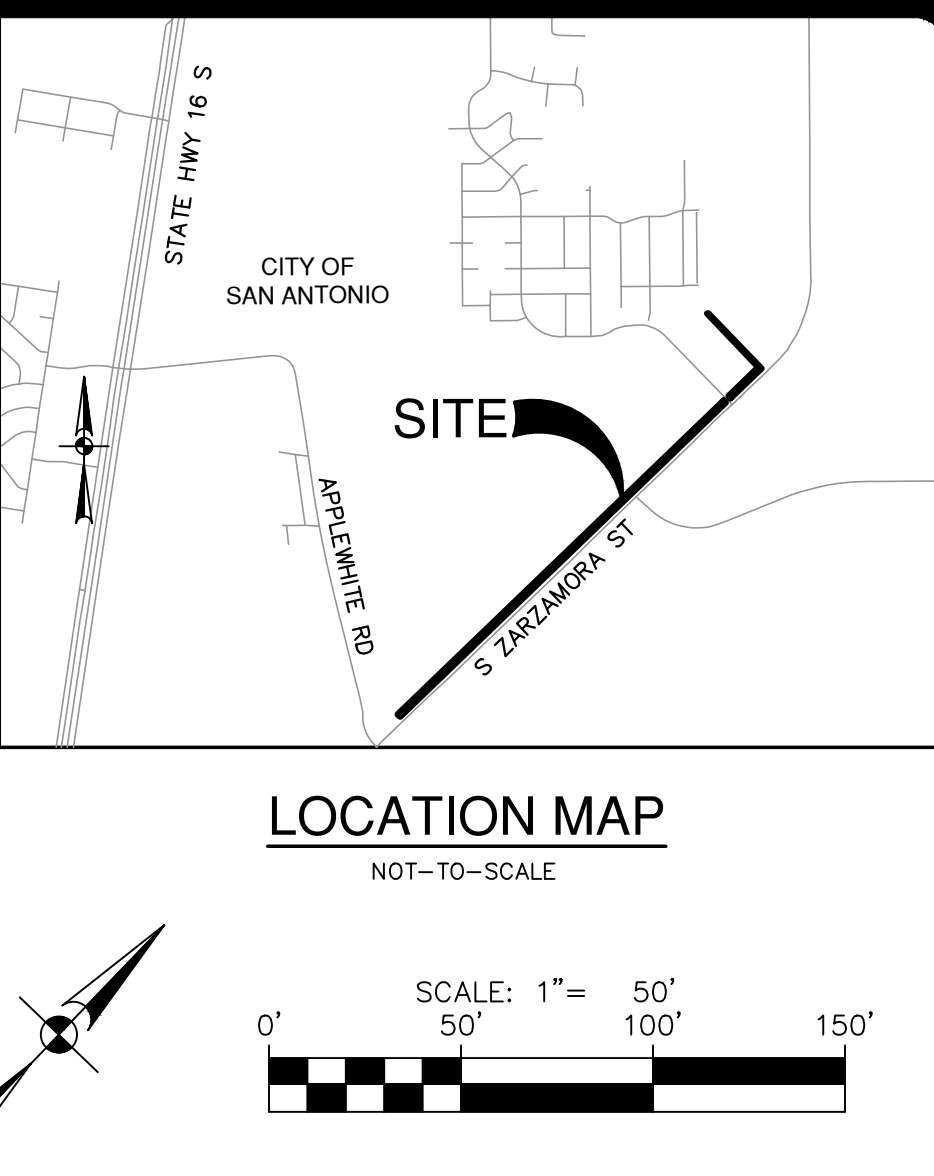


WHERE SEWER PIPE CROSSES  
A WATER LINE, THE SEWER  
SHALL BE 160 PSI AND MEET  
- THE REQUIREMENTS OF ASTM  
D2241 WITH ONE 20' JOINT  
CENTERED AT THE WATER  
CROSSING



**CAUTION!!** NOT-TO-SCALE

CONTRACTOR SHALL BE REQUIRED TO LOCATE, ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO WATER, SEWER, TELEPHONE, FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ARCHITECT IMMEDIATELY AND PRIOR TO THE CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE THE RESPONSIBILITY OF THE OWNER. EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.



- ## KEY LEGEND
- |  |  |
|--|--|
| <p><b>(E)</b> 25' SANITARY SEWER EASEMENT<br/>(DOC. NO. 202401595788 O.P.R.)</p> <p><b>(L)</b> 20' CONSTRUCTION EASEMENT<br/>(5,000 ACRE TRACT (TRACT 1) HILDA TRUCKING COMPANY, LLC;<br/>VOL. 16847, PG. 127, O.P.R.)</p> <p><b>(M)</b> 20' CONSTRUCTION EASEMENT<br/>(5,000 ACRE TRACT (TRACT 2) HILDA TRUCKING COMPANY, LLC;<br/>VOL. 16847, PG. 127, O.P.R.)</p> <p><b>(FV)</b> FUTURE 10' R.O.W. DEDICATION TO THE CITY OF SAN ANTONIO<br/>(5,000 ACRE TRACT (TRACT 1) HILDA TRUCKING COMPANY, LLC;<br/>VOL. 16847, PG. 127, O.P.R.)</p> <p><b>(FV)</b> FUTURE 10' R.O.W. DEDICATION TO THE CITY OF SAN ANTONIO<br/>(5,000 ACRE TRACT (TRACT 2) HILDA TRUCKING COMPANY, LLC;<br/>VOL. 16847, PG. 127, O.P.R.)</p> | <p><b>(FV)</b> FUTURE 14' GAS, ELECTRIC, TELEPHONE AND CABLE TELEVISION EASEMENT<br/>(5,000 ACRE TRACT (TRACT 1) HILDA TRUCKING COMPANY, LLC;<br/>VOL. 16847, PG. 127, O.P.R.)</p> <p><b>(FV)</b> FUTURE 14' GAS, ELECTRIC, TELEPHONE AND CABLE TELEVISION EASEMENT<br/>(5,000 ACRE TRACT (TRACT 2) HILDA TRUCKING COMPANY, LLC;<br/>VOL. 16847, PG. 127, O.P.R.)</p> <p><b>(S)</b> VARIABLE WIDTH DRAINAGE EASEMENT<br/>(SMILEY TRACT UNIT 3 &amp; 4;<br/>VOL. 20003, PGS. 1866-1868, O.P.R.)</p> <p><b>(T)</b> CONTRACTOR TO REMOVE AND REPLACE PORTION OF EXISTING DRIVEWAY</p> |
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FINISHED FLOOR NOTES:

1. THE FINISHED FLOOR ELEVATIONS (FF) REPRESENT THE MINIMUM POSSIBLE FLOOR ELEVATION TO PROVIDE SANITARY SEWER SERVICE TO EACH LOT. ACTUAL FINISHED FLOOR ELEVATIONS FOR EACH LOT ARE TO BE DETERMINED BY THE ARCHITECT BASED ON THE REQUIRED FINISHED GRADE AS-BUILT CONDITIONS FOR FOUND SEWER SERVICES AND ACTUAL LATERAL PLACEMENT. IT IS THE BUILDER'S SOLE RESPONSIBILITY TO OBTAIN THE REQUIRED ACTUAL FINISHED GRADE IN CONSIDERATION OF THE TO THE START OF HOME FOUNDATION CONSTRUCTION TAKING INTO CONSIDERATION SITE DRAINAGE, STREET ACCESS AND SANITARY SEWER SERVICE TO THE ADJACENT LOTS.
2. THE MINIMUM SANITARY SEWER LATERAL GRADES WERE BASED UPON THE MINIMUM FINISHED FLOOR ELEVATIONS FOR THE LOTS LOCATED ON THE DOWNHILL SIDES OF THE PROPOSED ROADWAYS.

ROW PERMIT NOTE:

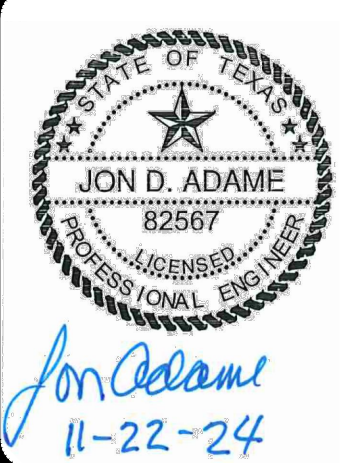
A BEXAR COUNTY PERMIT MUST BE OBTAINED BEFORE WORKING IN BEXAR COUNTY RIGHTS-OF-WAY.

### 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/SAFETY INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH SAFETY PROTECTION PROGRAM. CONTRACTOR SHALL FOLLOW ALL OSHA STANDARDS AND PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS AND PROCEDURES. CONTRACTOR SHALL FOLLOW ALL TRENCH SAFETY PROGRAMS AND PROCEDURES. CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND PROTECTION OF UTILITIES.

SEWER LOWER - WEST SEWERSHED - DOS RIOS/LEON CREEK

DEVELOPER'S NAME: EL RANCHO SONRISA, LLC  
ADDRESS: 8626 JODHPUR  
CITY: FAIR OAKS RANCH STATE: TEXAS ZIP: 78015  
PHONE# (210) 381-9813 FAX#  
214-071-2242-072-224-073-224-074  
SAWS BLOCK MAP# P24-075 TOTAL EDU# 2 TOTAL ACRES# N/A  
TOTAL LINEAR FOOTAGE OF PIPE: 8" 6.072 LF PLAT NO. N/A  
NUMBER OF LOTS N/A SAWS JOB NO. 24-1540

[illegible]

**PAPE-DAWSON  
ENGINEERS**  
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1002880

# EY TRACT OFFSITE SEWER

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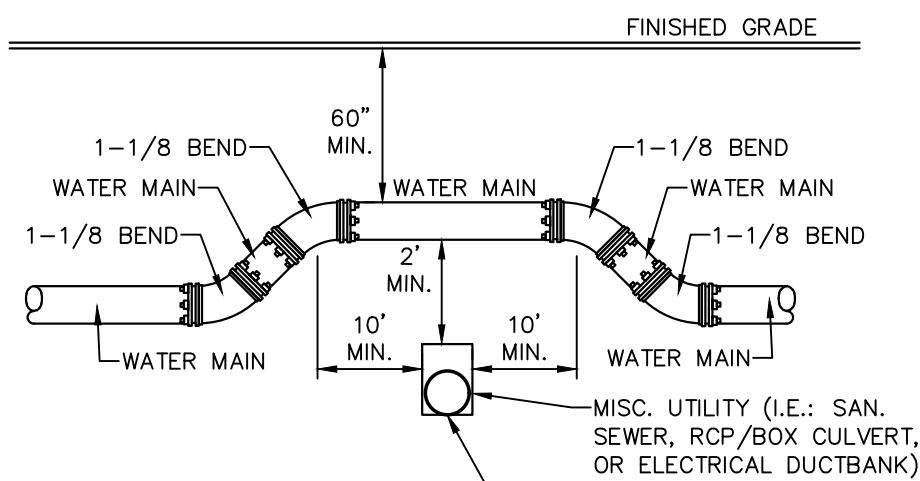
## SAN ANTONIO, TEXAS

### OVERALL SANITARY SEWER PLAN



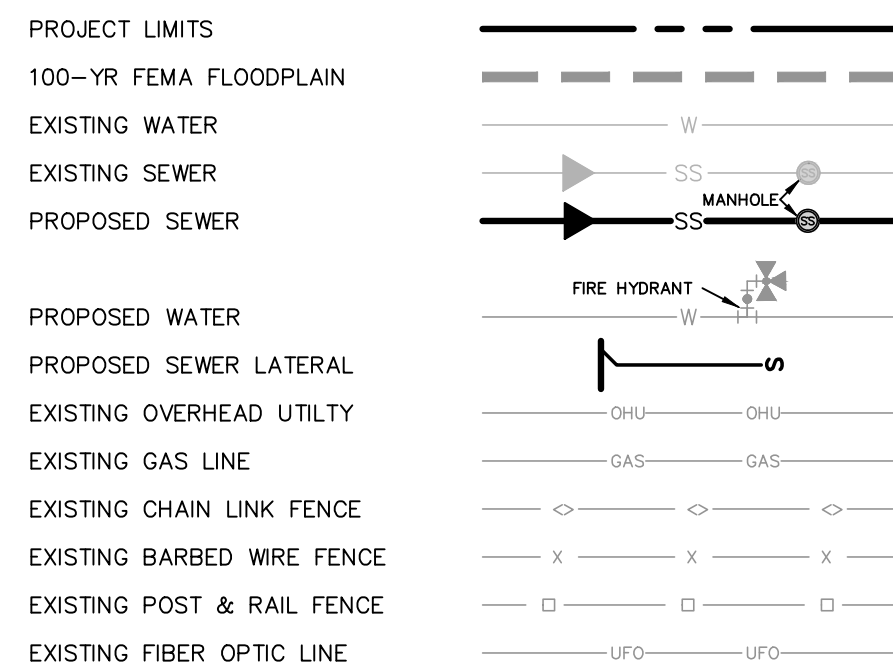






WHERE SEWER PIPE CROSSES  
A WATER LINE, THE SEWER  
SHALL BE 160 PSI AND MEET  
- THE REQUIREMENTS OF ASTM  
D2241 WITH ONE 20' JOINT  
CENTERED AT THE WATER  
CROSSING

NOT-TO-SCALE



(A) 25' SANITARY SEWER EASEMENT  
(DOC. NO. 20240195792 O.P.R.)

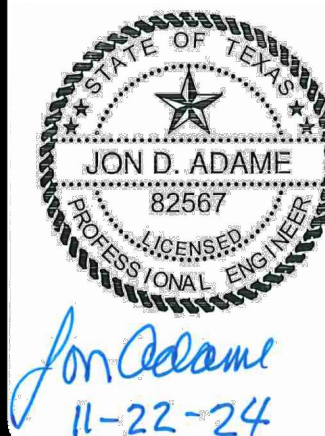
(H) 20' CONSTRUCTION EASEMENT  
(CALLED 94.930 ACRE TRACT RAWLS  
INVESTMENTS LP & RICKEI INVESTMENTS LP;  
VOL. 14874, PGS. 1747-1767, O.P.R.)

(N) FUTURE 10' R.O.W. DEDICATION TO THE  
CITY OF SAN ANTONIO  
(CALLED 94.930 ACRE TRACT RAWLS  
INVESTMENTS LP & RICKEI INVESTMENTS LP;  
VOL. 14874, PGS. 1747-1767, O.P.R.)

(P) FUTURE 14' GAS, ELECTRIC, TELEPHONE  
AND CABLE TELEVISION EASEMENT  
(CALLED 94.930 ACRE TRACT RAWLS  
INVESTMENTS LP & RICKEI INVESTMENTS LP;  
VOL. 14874, PGS. 1747-1767, O.P.R.)

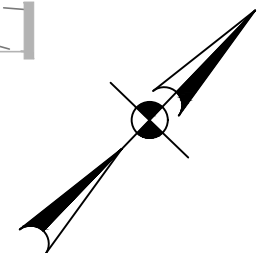
(Q) EXISTING 30' GAS EASEMENT  
(ALAMO GAS SUPPLY COMPANY;  
VOL. 4761, PGS. 257-258 D.R.)

(R) EXISTING 30' GAS EASEMENT  
(UNITED GAS PIPELINE;  
VOL. 3358, PGS. 509-510, D.R.)

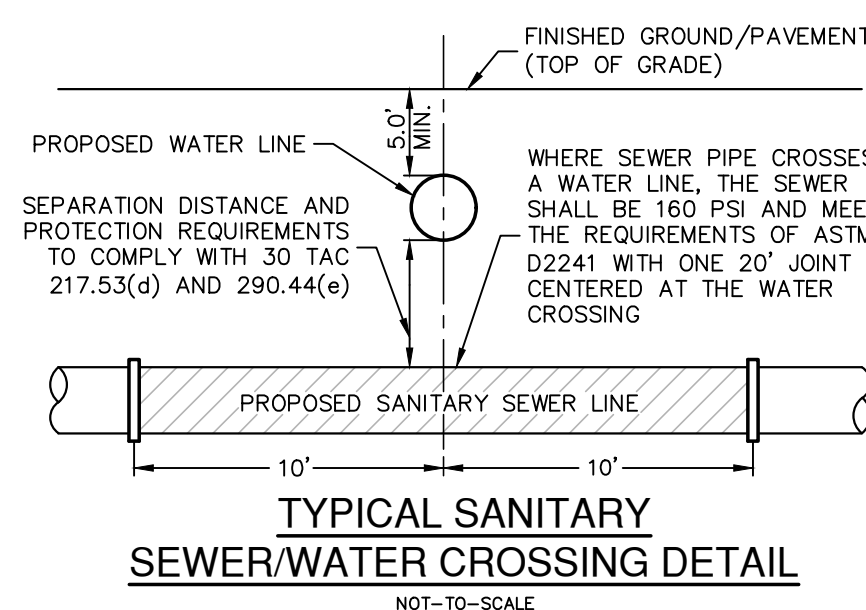


**PAPE-DAWSON  
ENGINEERS**

0000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800



VERTICAL SCALE: 1" = 5'  
HORIZONTAL SCALE: 1" = 50'



CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE 800-4ING-TESS MINIMUM OF 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

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DEVELOPER'S NAME: EL RANCHO SONRISA, LLC  
ADDRESS: 8626 JODHPUR  
CITY: FAIR OAKS STATE: TEXAS ZIP: 78015  
PHONE# (210) 381-9813 FAX#  
P24-071 P24-072 P24-073 P24-074  
SAWS BLOCK MAP# P24-073 TOTAL ACRES N/A  
TOTAL LINEAR FOOTAGE OF PIPE: 8" 6.072 LF PLAT NO. N/A  
NUMBER OF LOTS N/A SAWS BLOCK NO. 24-1540

**SMILEY TRACT OFFSITE SEWER**  
**SAN ANTONIO, TEXAS**

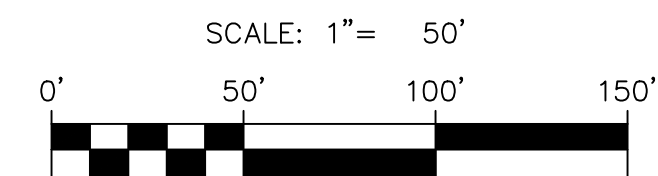
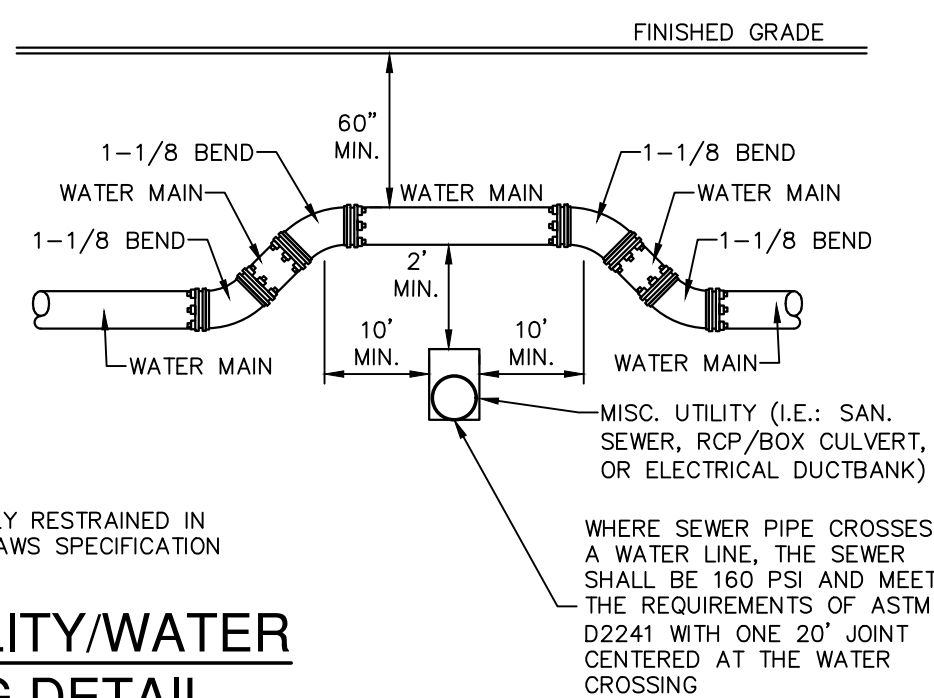
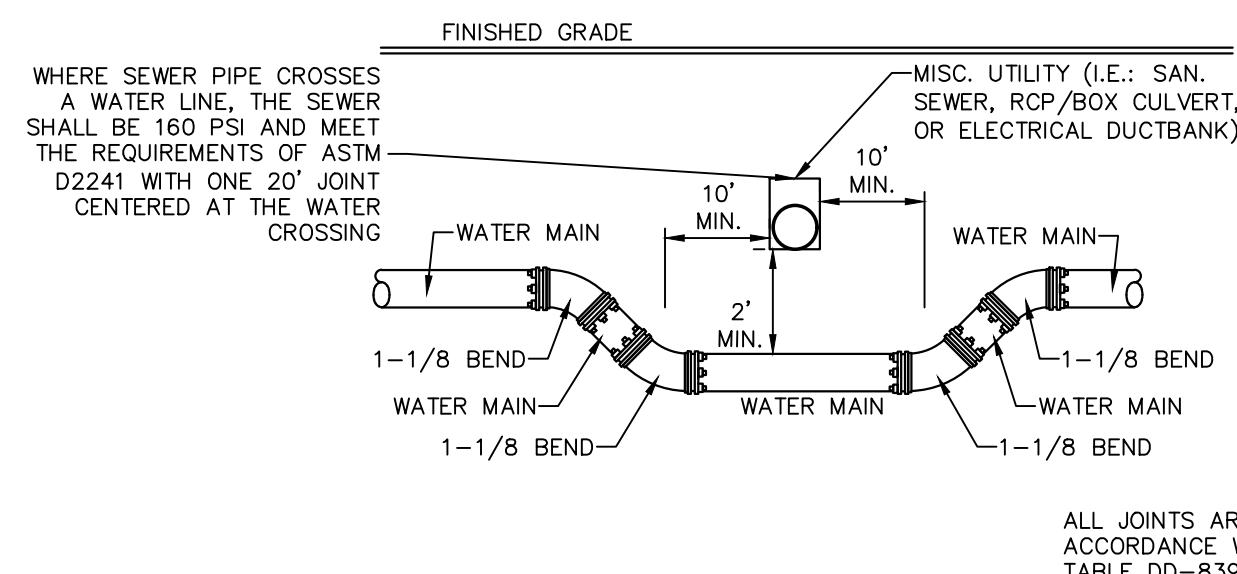
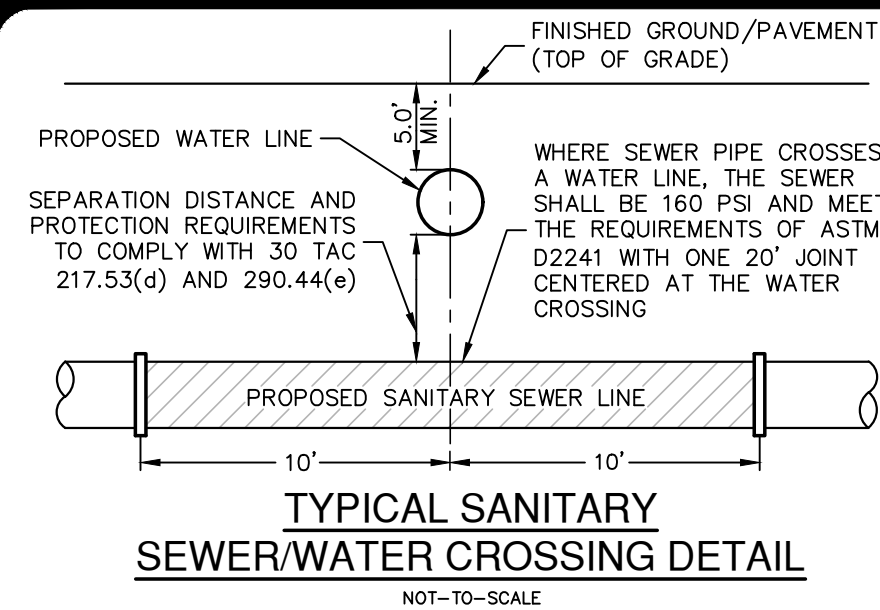
SEWER LINE F ~ STA. 12+00.00 TO 23+00.00  
SANITARY SEWER PLAN & PROFILE

PLAT NO. \_\_\_\_\_  
JOB NO. 13316-04  
DATE JUNE 2024  
DESIGNER AS  
CHECKED AS DRAWN AD  
SHEET C1.03



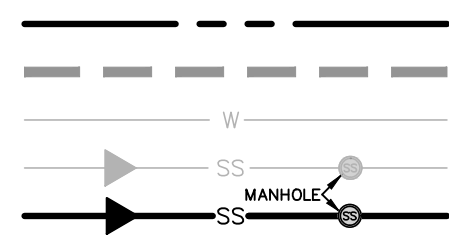




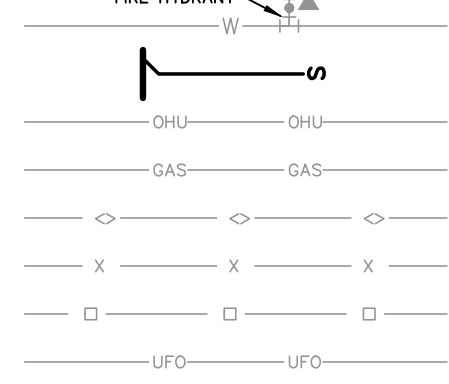


## SEWER LEGEND

PROJECT LIMITS  
100-YR FEMA FLOODPLAIN  
EXISTING WATER  
EXISTING SEWER  
PROPOSED SEWER

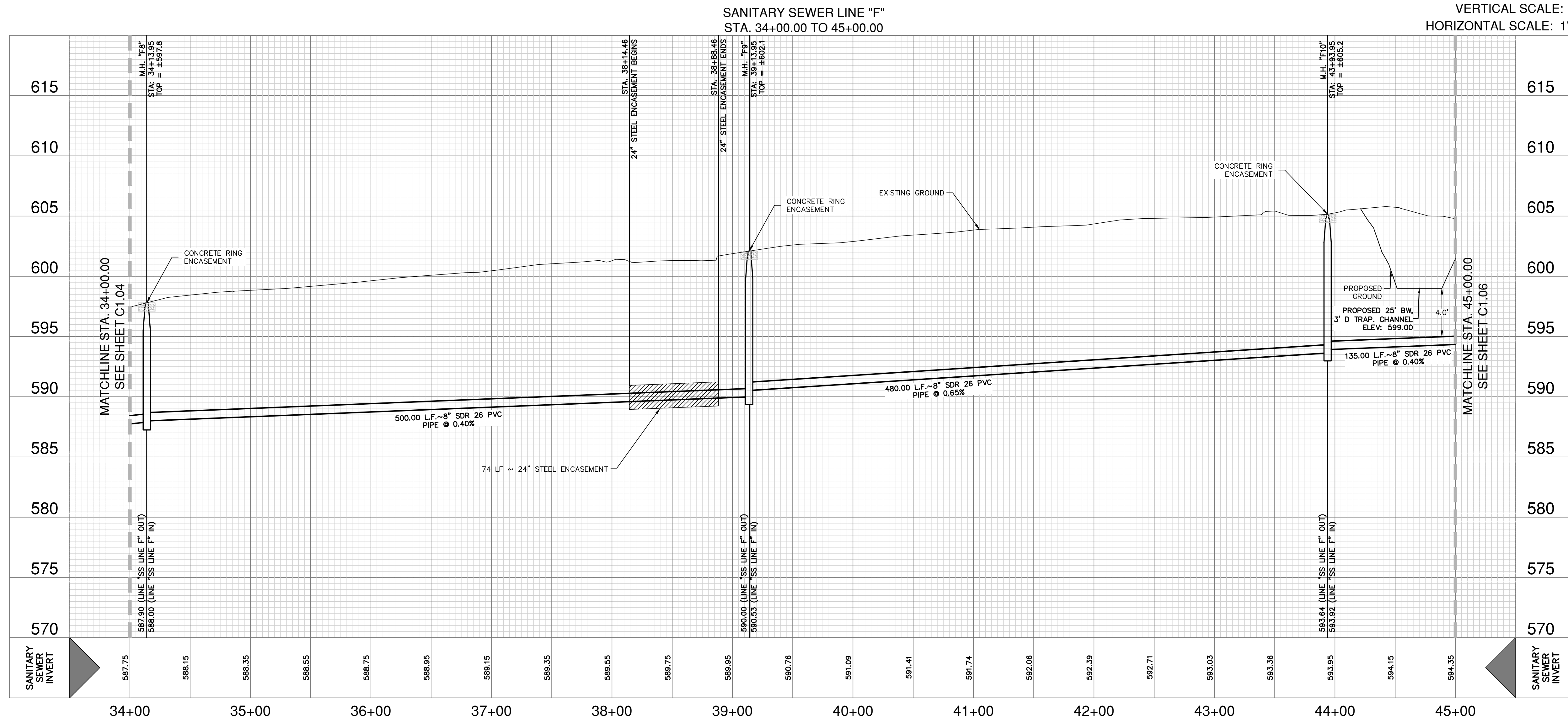
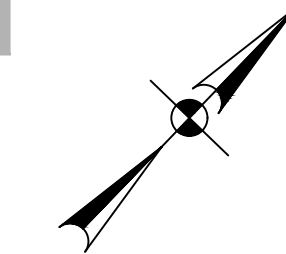
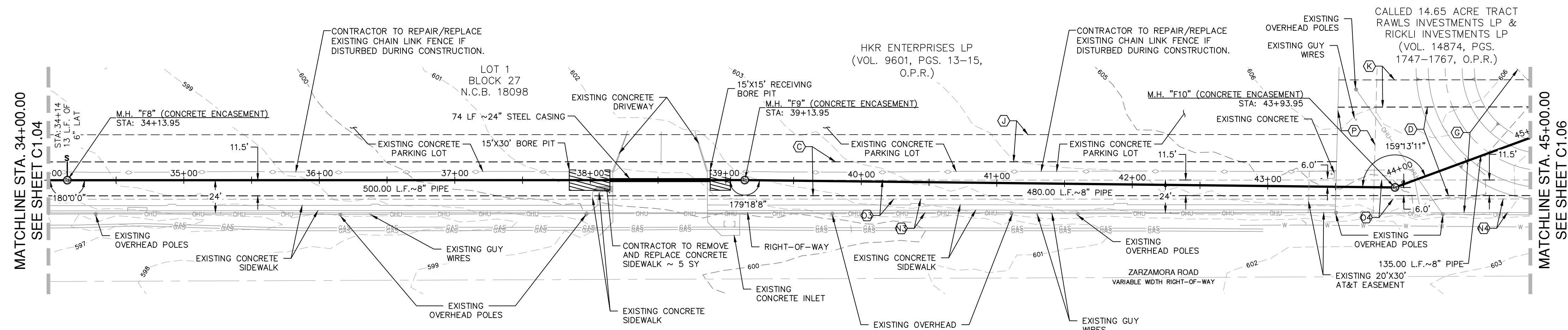


PROPOSED WATER  
PROPOSED SEWER LATERAL  
EXISTING OVERHEAD UTILITY  
EXISTING GAS LINE  
EXISTING CHAIN LINK FENCE  
EXISTING BARBED WIRE FENCE  
EXISTING POST & RAIL FENCE  
EXISTING FIBER OPTIC LINE



KEY LEGEND

- (C) 25' SANITARY SEWER EASEMENT  
(DOC. NO. 20240195790 O.P.R.)
- (D) VARIABLE WIDTH SANITARY SEWER EASEMENT  
(DOC. NO. 20240195789 O.P.R.)
- (G) VARIABLE WIDTH DRAINAGE EASEMENT  
(EL. RANCHO SONIRIA, LLC,  
VOL. 20003, PGS. 1624-1626, O.P.R.)
- (J) 20' CONSTRUCTION EASEMENT  
(HKR ENTERPRISES LP,  
VOL. 9601, PGS. 13-15, O.P.R.)
- (K) 20' CONSTRUCTION EASEMENT  
(CALLED 14.65 ACRES TRACT RAWLS  
INVESTMENTS LP & RICKLI INVESTMENTS LP;  
VOL. 14874, PGS. 1747-1767, O.P.R.)
- (N) EXISTING 10' R.O.W. DEDICATION TO THE  
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INVESTMENTS LP & RICKLI INVESTMENTS LP;  
VOL. 14874, PGS. 1747-1767, O.P.R.)
- (P) EXISTING 28' GAS, ELECTRIC, TELEPHONE  
AND CABLE TELEVISION EASEMENT  
(CALLED 14.65 ACRES TRACT RAWLS  
& INVESTMENTS LP & RICKLI INVESTMENTS LP;  
VOL. 14874, PGS. 1747-1767, O.P.R.)



CAUTION!!

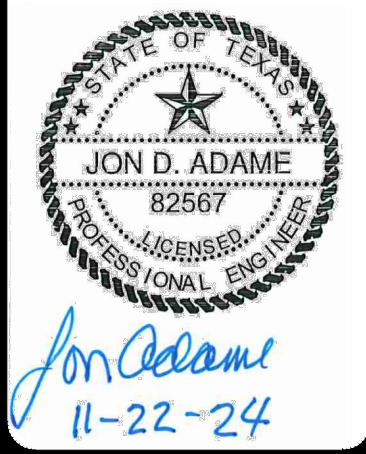
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TRENCH EXCAVATION SAFETY PROTECTION:

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## SEWER LOWER - WEST SEWERSHED - DOS RIOS/LEON CREEK

DEVELOPER'S NAME: EL RANCHO SONRISA, LLC  
ADDRESS: 8626 JODHPUR  
CITY: FAIR OAKS STATE: TEXAS ZIP: 78015  
PHONE# (210) 381-9813 FAX# P24-077, P24-078, P24-079, P24-07A  
SAWS BLOCK MAP# P24-073 TOTAL EDU'S 2 TOTAL ACREAGE N/A  
TOTAL LINEAR FOOTAGE OF PIPE: 8" 6.072 LF PLAT NO. N/A  
NUMBER OF LOTS N/A SALES JOB NO. 24-1540

[illegible]

**PAPE-DAWSON  
ENGINEERS**

22000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000  
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

**SMILEY TRACT OFFSITE SEWER**  
**SAN ANTONIO, TEXAS**

SEWER LINE F ~ STA. 34+00.00 TO 45+00.00  
SANITARY SEWER PLAN & PROFILE

PLAT NO. \_\_\_\_\_  
JOB NO. 13316-04  
DATE JUNE 2024  
DESIGNER AS  
CHECKED AS DRAWN AD  
SHEET C1.05

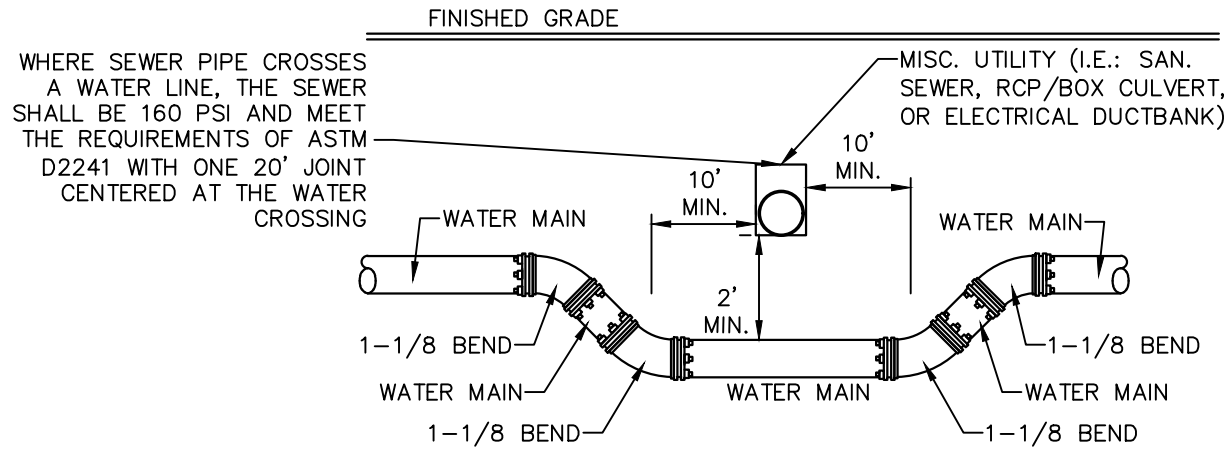






Date: Nov 22, 2024, 10:52am User: JD\_ada  
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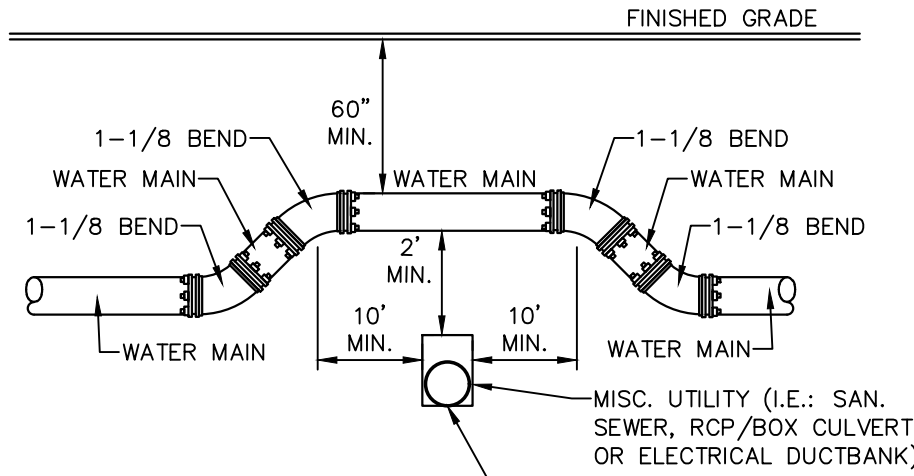
THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARCO, Digital Globe, Texas Orthometry Program, USDA Farm Service Agency.



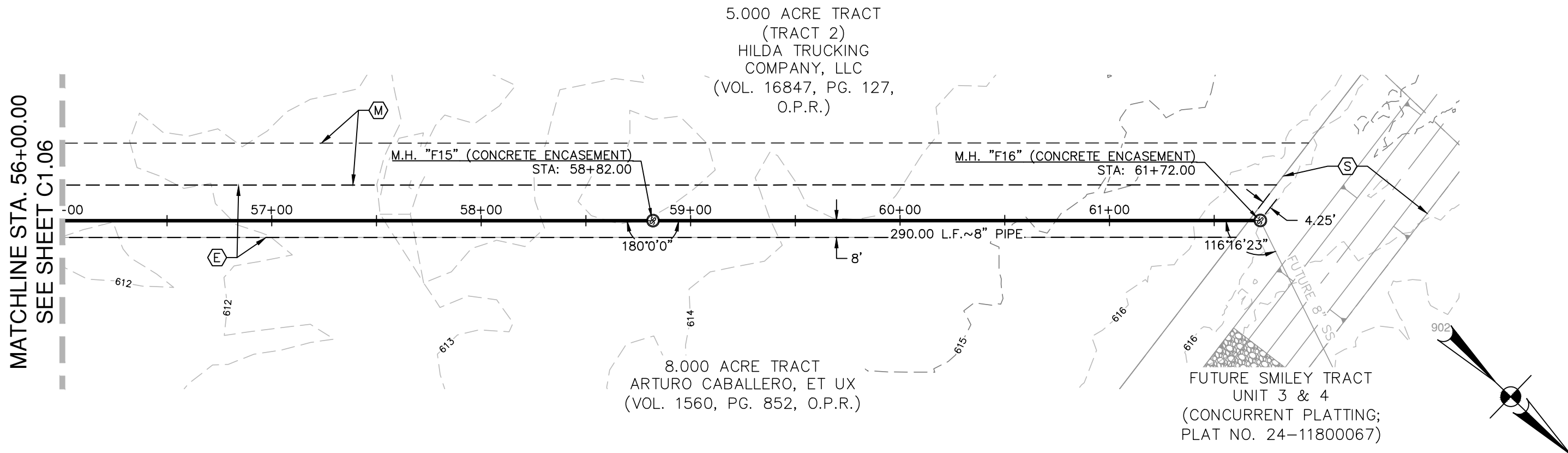
ALL JOINTS ARE FULLY RESTRAINED IN ACCORDANCE WITH SAWS SPECIFICATION TABLE DD-839-06.

### TYPICAL UTILITY/WATER CROSSING DETAIL

NOT-TO-SCALE



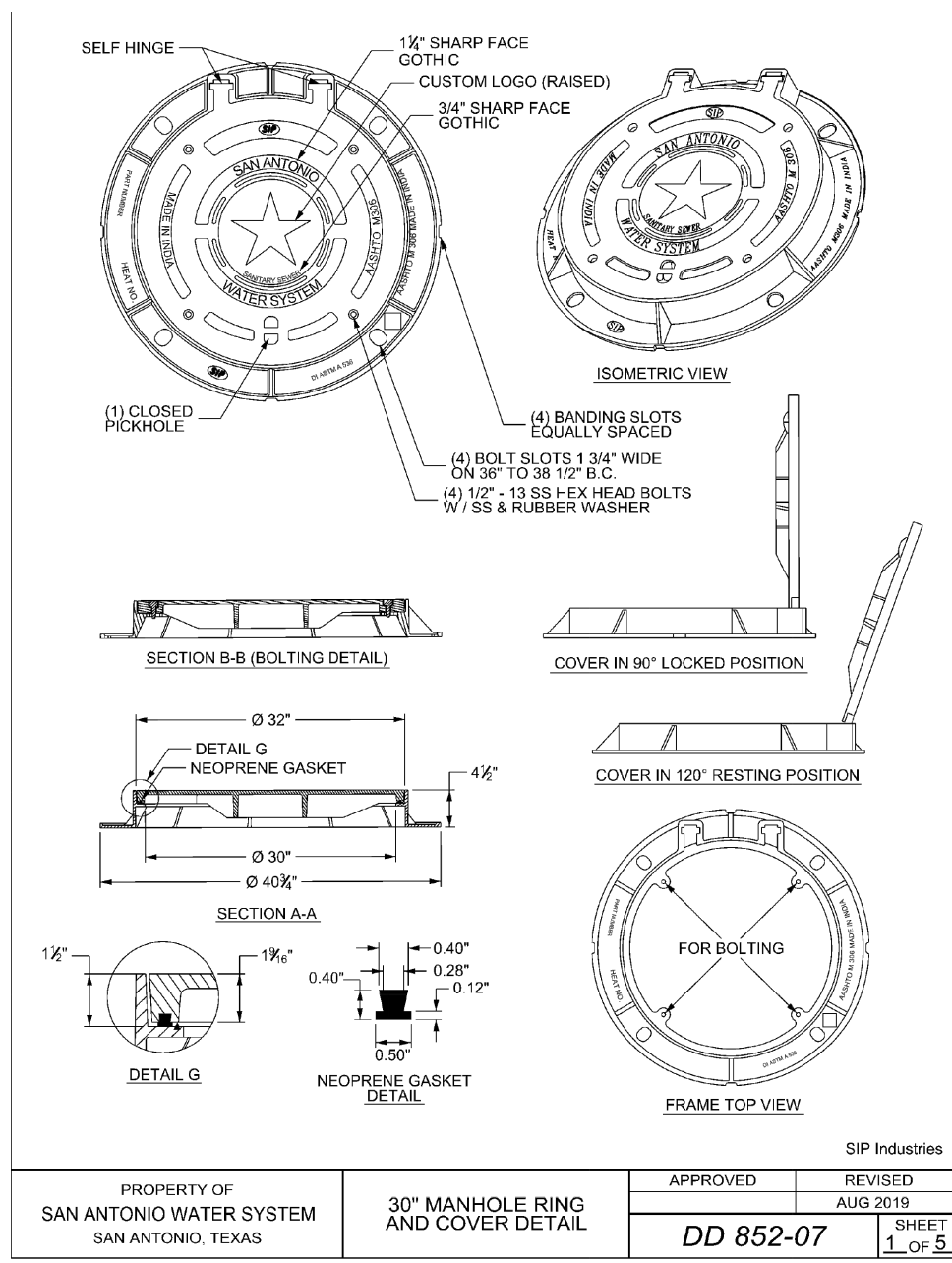
WHERE SEWER PIPE CROSSES A WATER LINE, THE SEWER SHALL BE 160 PSI AND MEET THE REQUIREMENTS OF ASTM D2241 WITH ONE 20' JOINT CENTERED AT THE WATER CROSSING



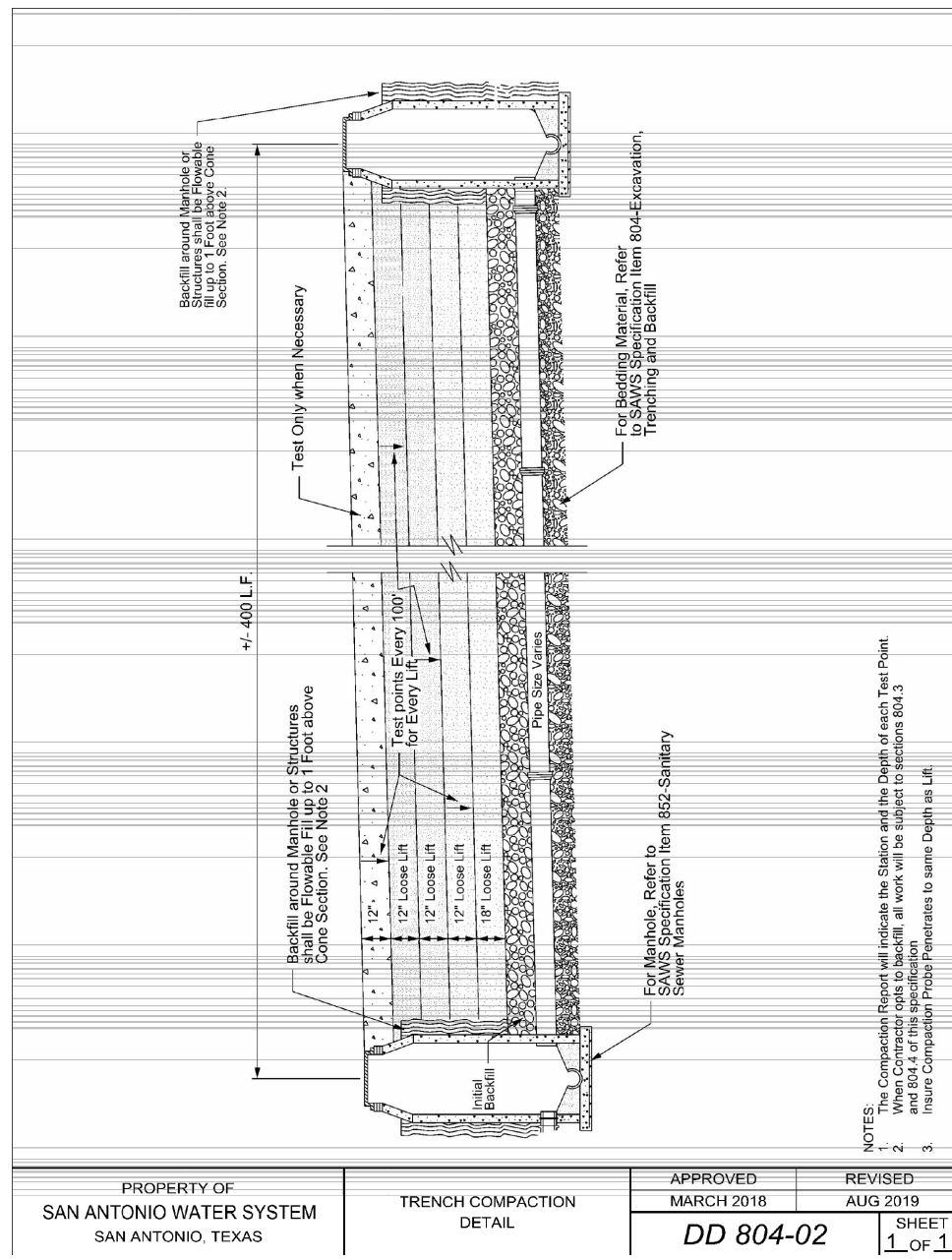


Date: Nov 22, 2024, 11:05am User: jdcadm  
File: C:\Users\LOCAL\...Temp\VePublish-223480\SSDT-1331604.dwg

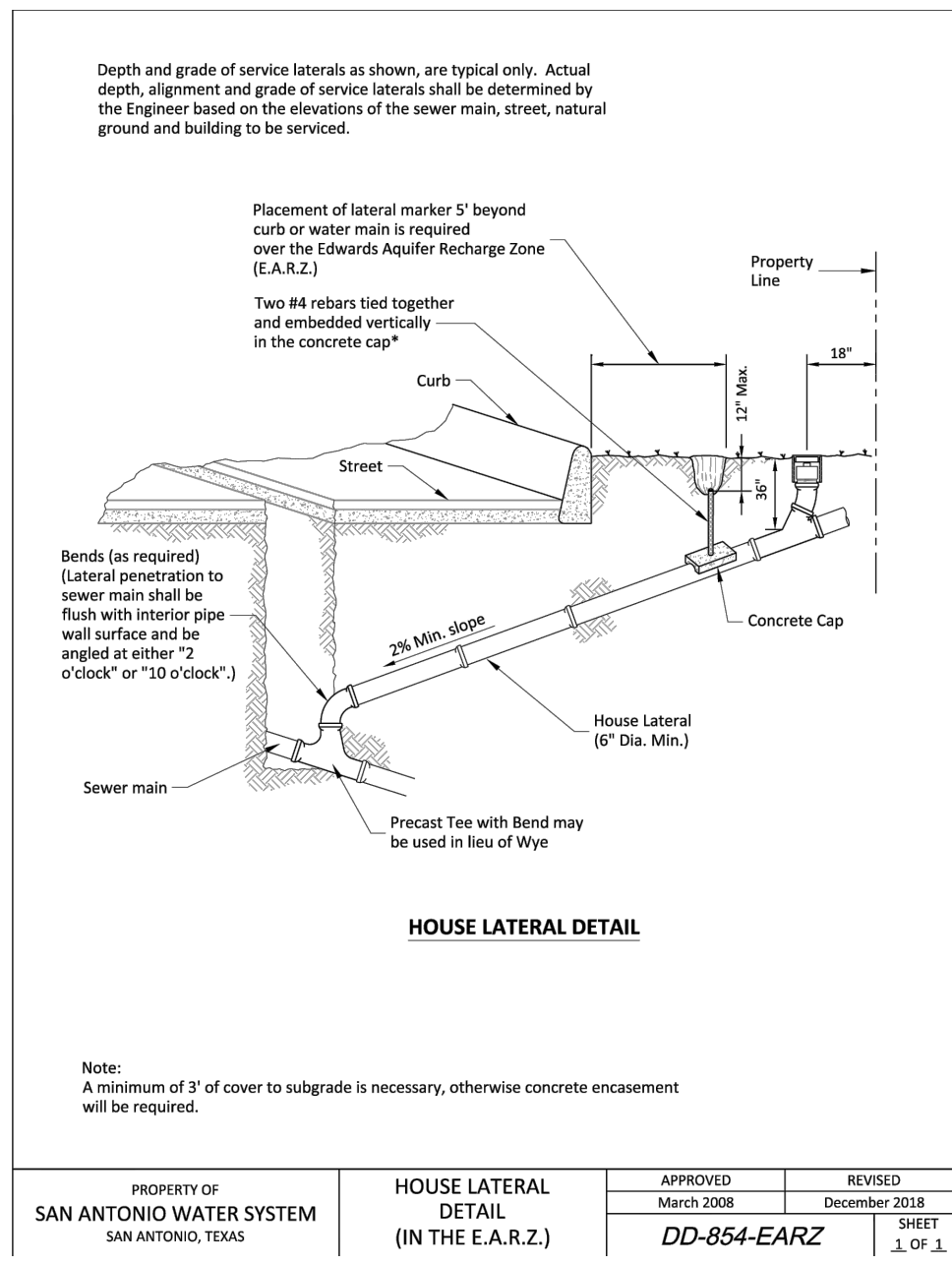
THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL. AERIAL IMAGERY PROVIDED BY GOOGLE/UNLESS OTHERWISE NOTED. Imagery © 2016, CARCO, Digital Globe, Texas Orthophoto Program, USDA Farm Service Agency.



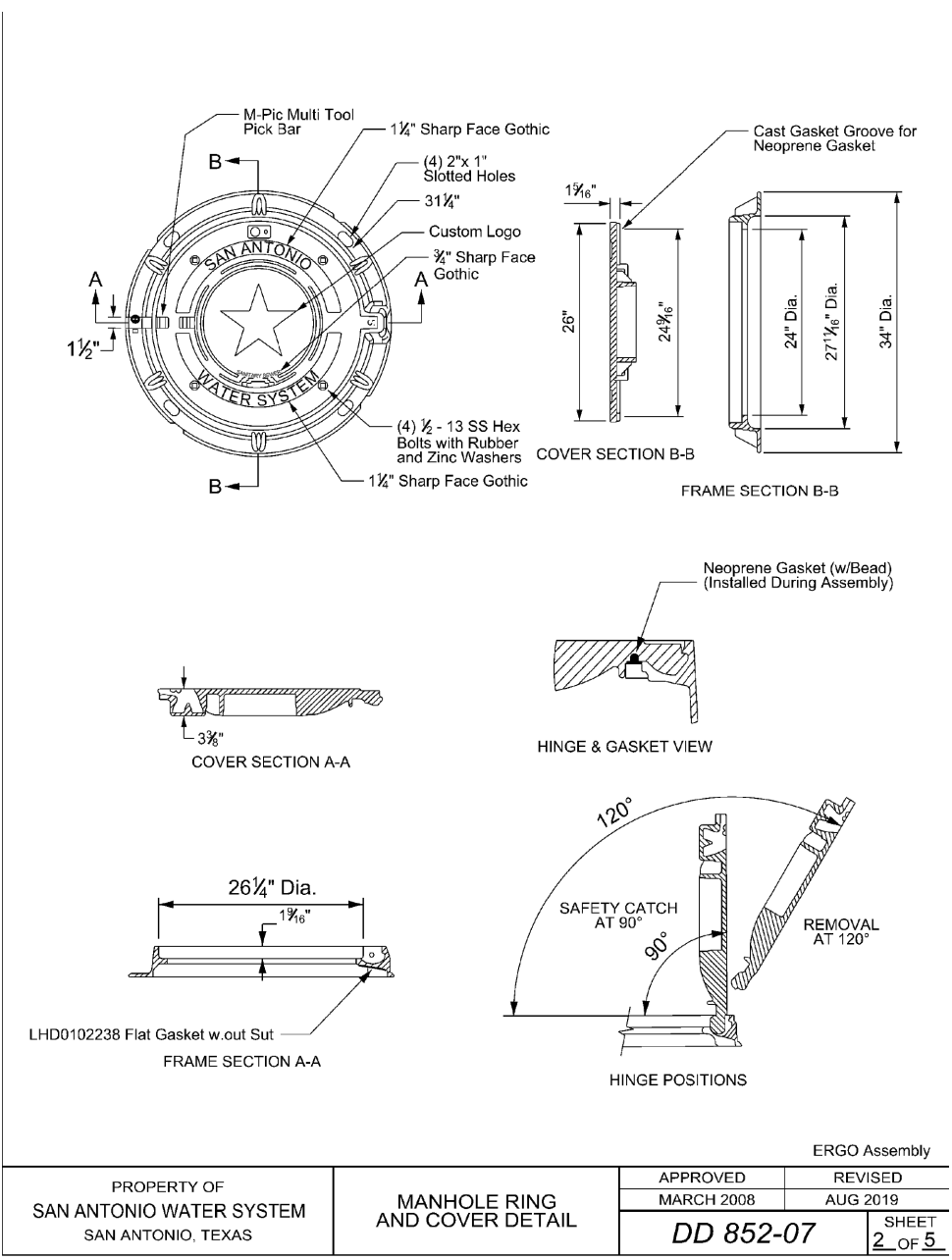
PROPERTY OF	30\"/>
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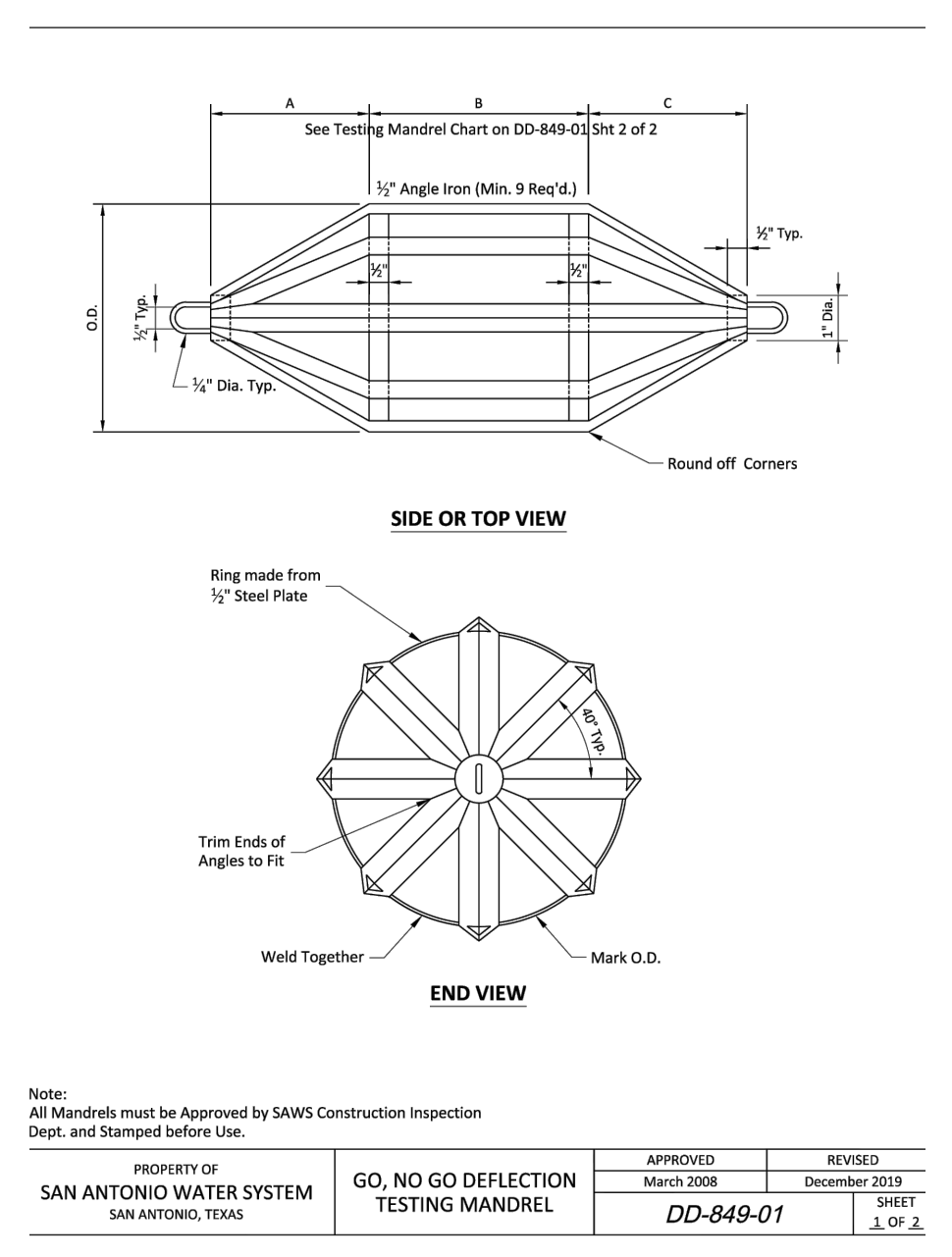
PROPERTY OF	TRENCH COMPACTION	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM	DETAIL	MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 804-02	1 OF 1



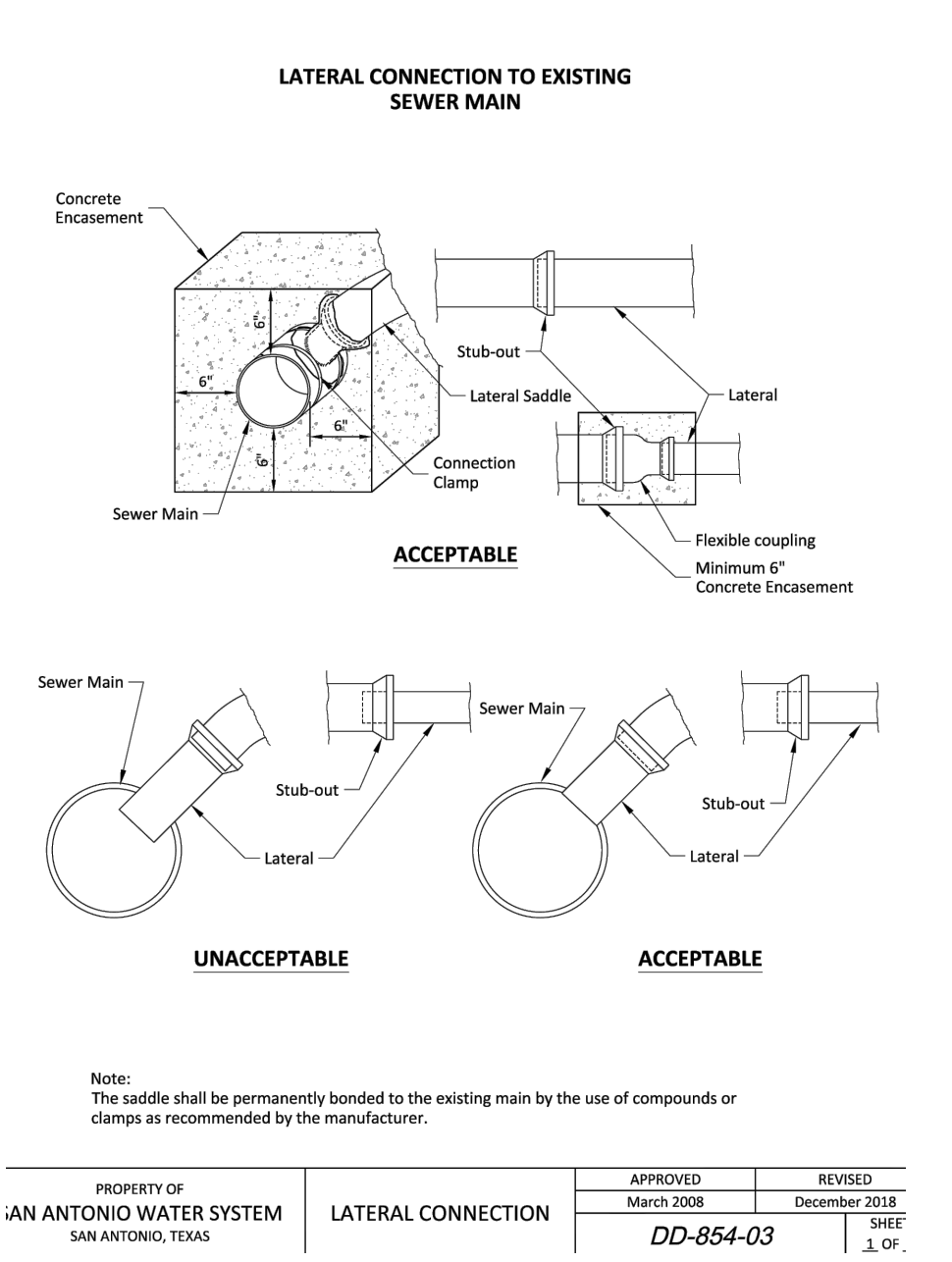
PROPERTY OF	HOUSE LATERAL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM	DETAIL (IN THE E.A.R.Z.)	MARCH 2008	DECEMBER 2019
SAN ANTONIO, TEXAS		DD-854-EARZ	1 OF 1



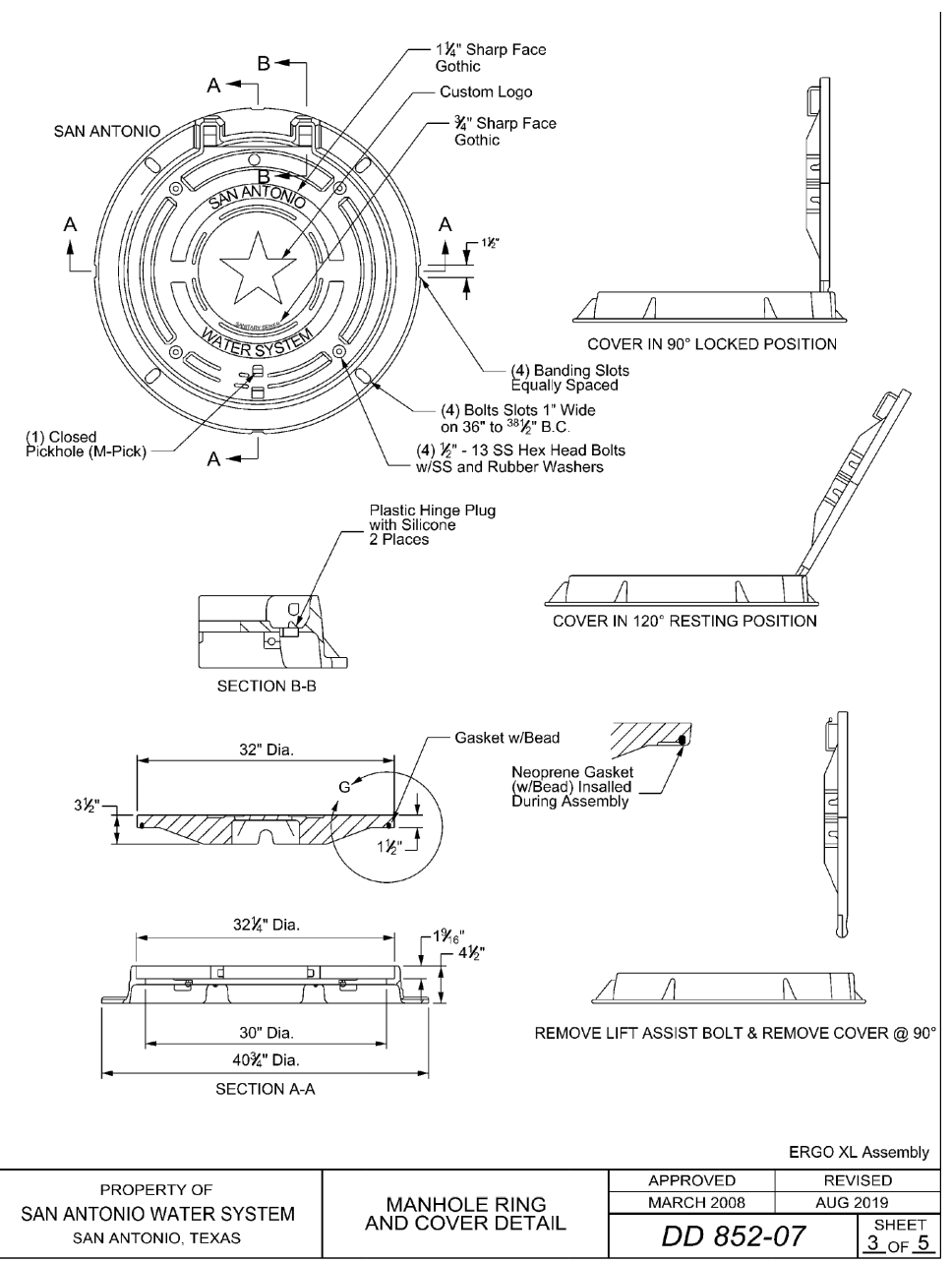
PROPERTY OF	MANHOLE RING AND COVER DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 852-07	2 OF 5



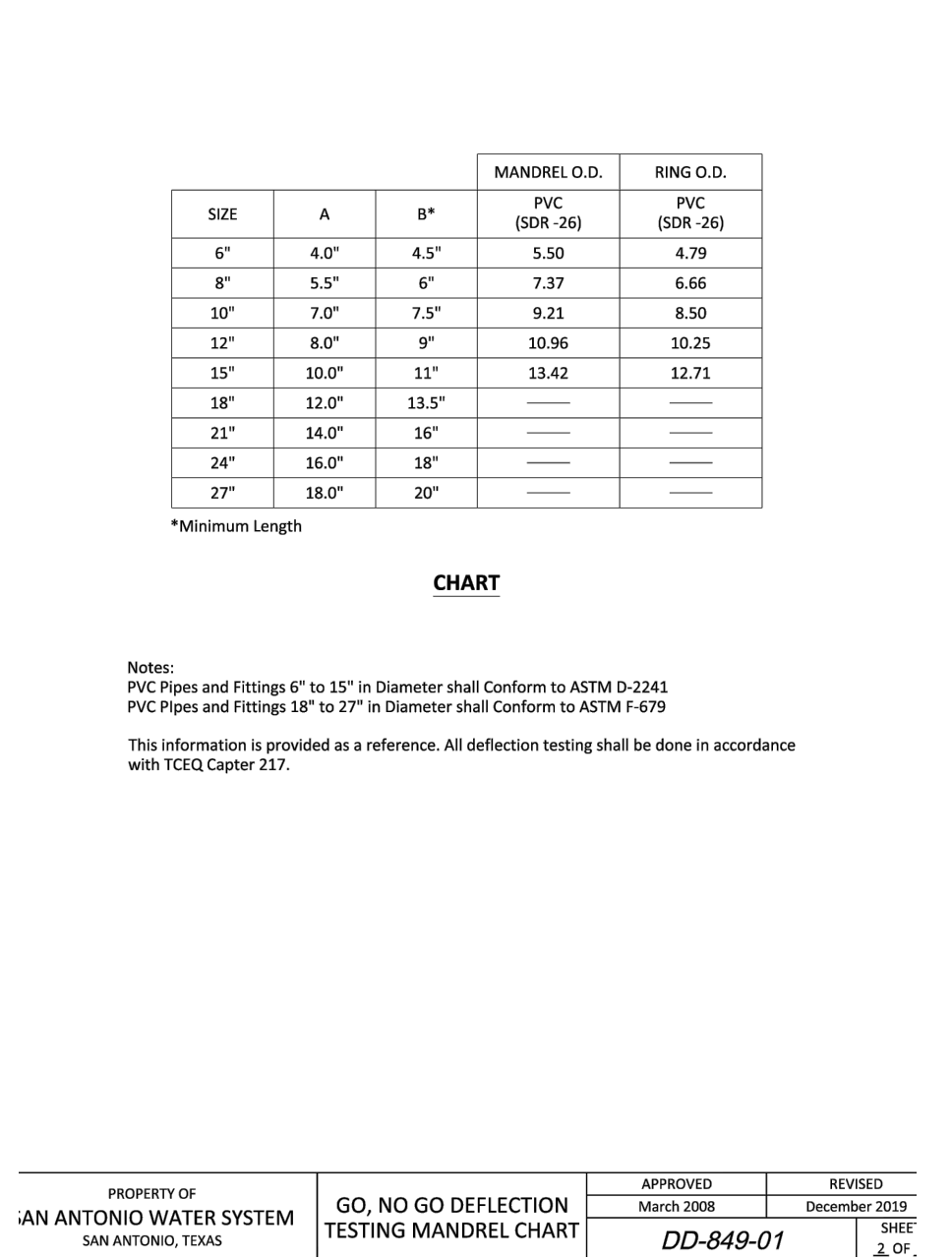
PROPERTY OF	GO, NO GO DEFLECTION TESTING MANDEL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	DECEMBER 2019
SAN ANTONIO, TEXAS		DD-849-01	1 OF 2



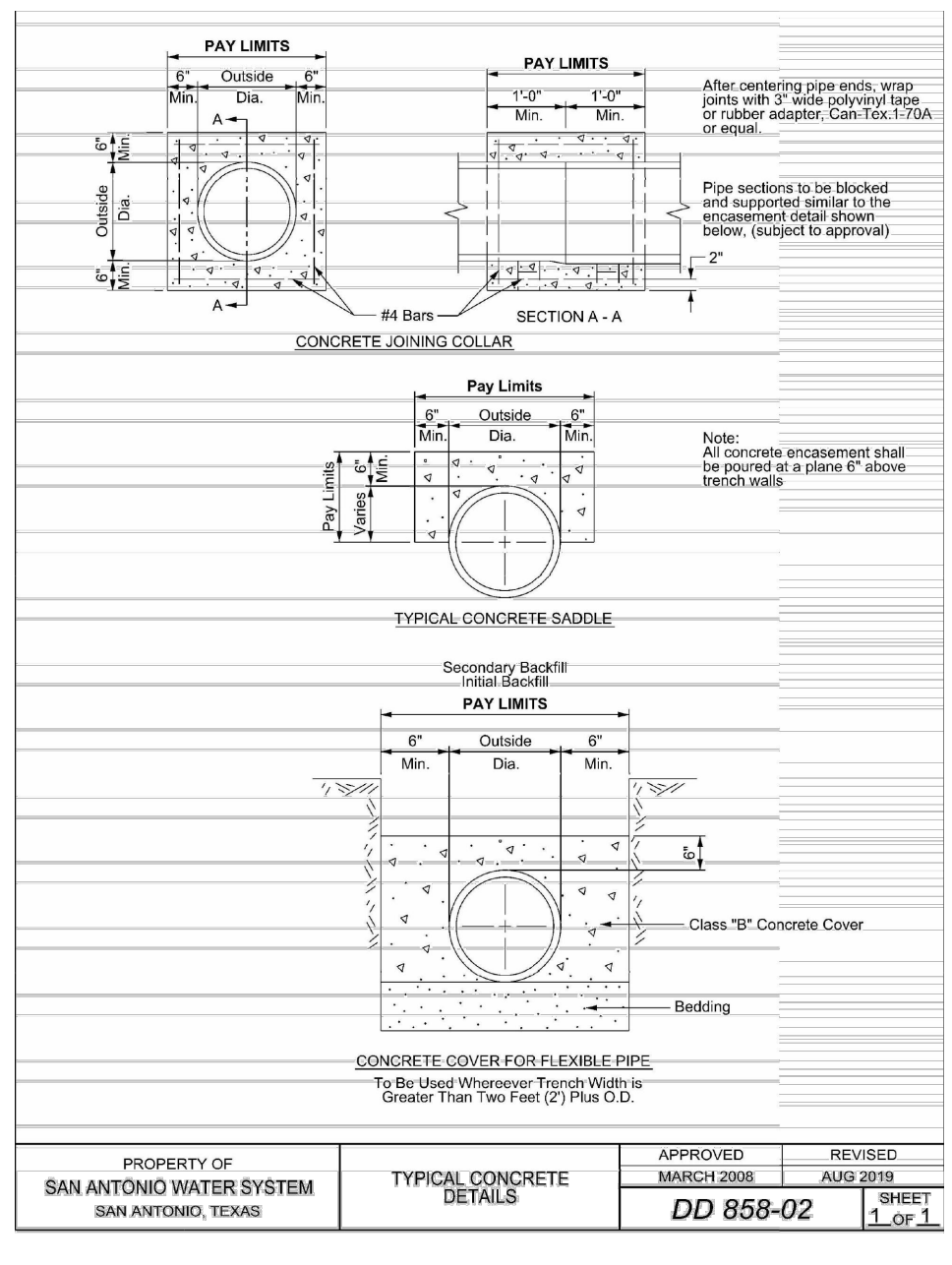
PROPERTY OF	LATERAL CONNECTION	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	DECEMBER 2019
SAN ANTONIO, TEXAS		DD-854-03	1 OF 1



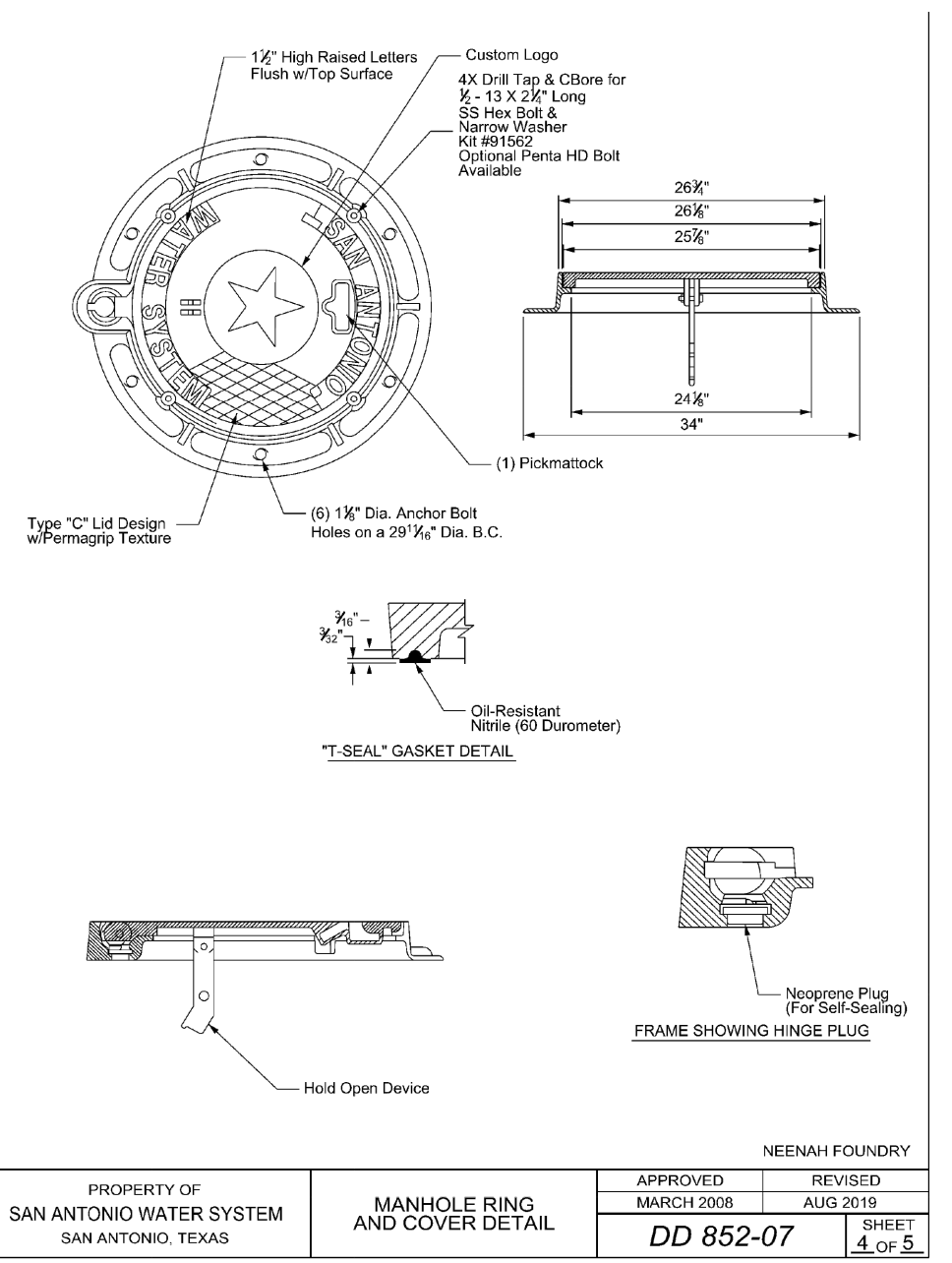
PROPERTY OF	MANHOLE RING AND COVER DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 852-07	3 OF 5



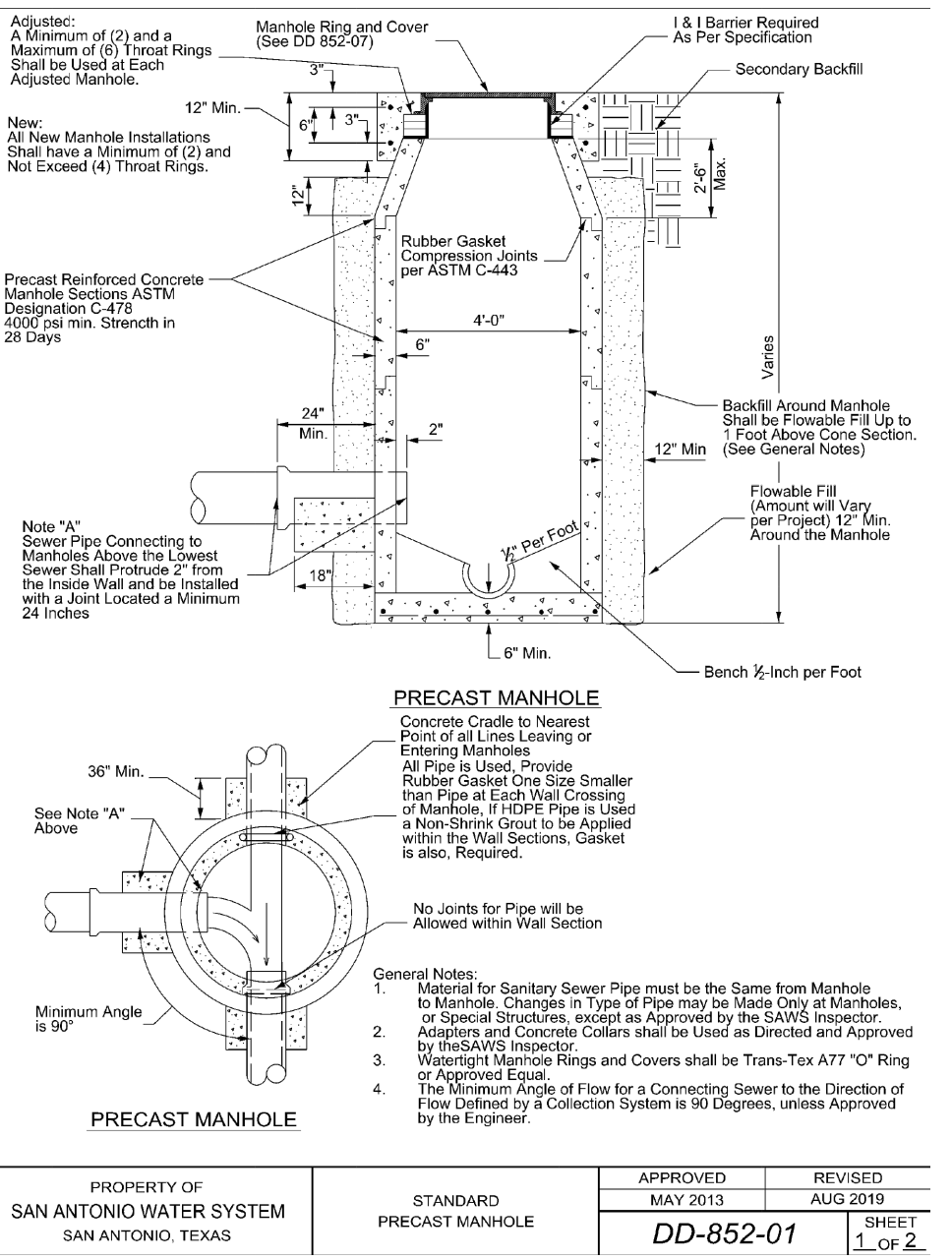
PROPERTY OF	GO, NO GO DEFLECTION TESTING MANDEL CHART	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	DECEMBER 2019
SAN ANTONIO, TEXAS		DD-849-01	1 OF 2



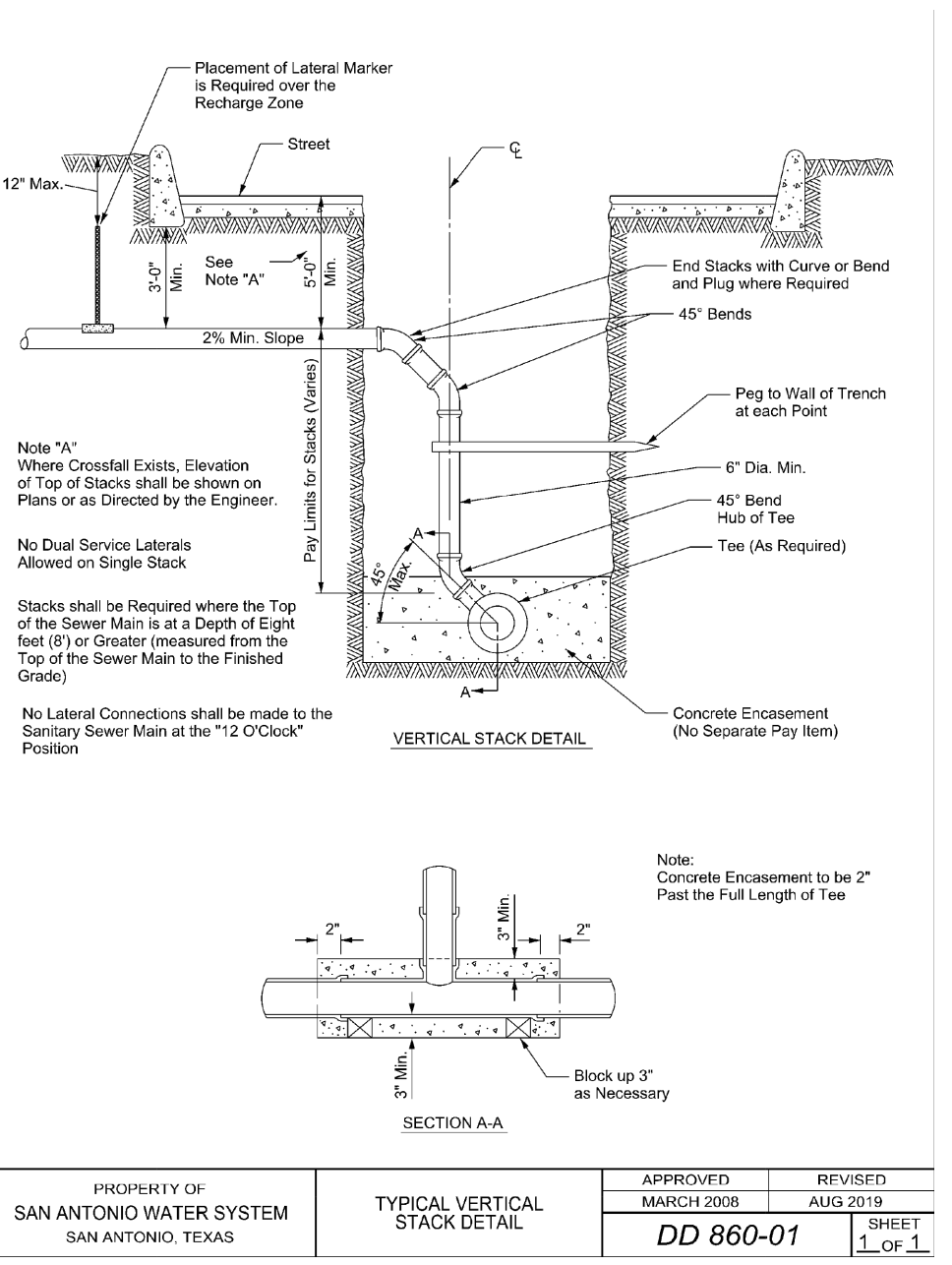
PROPERTY OF	TYPICAL CONCRETE SADDLE	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 858-02	1 OF 1



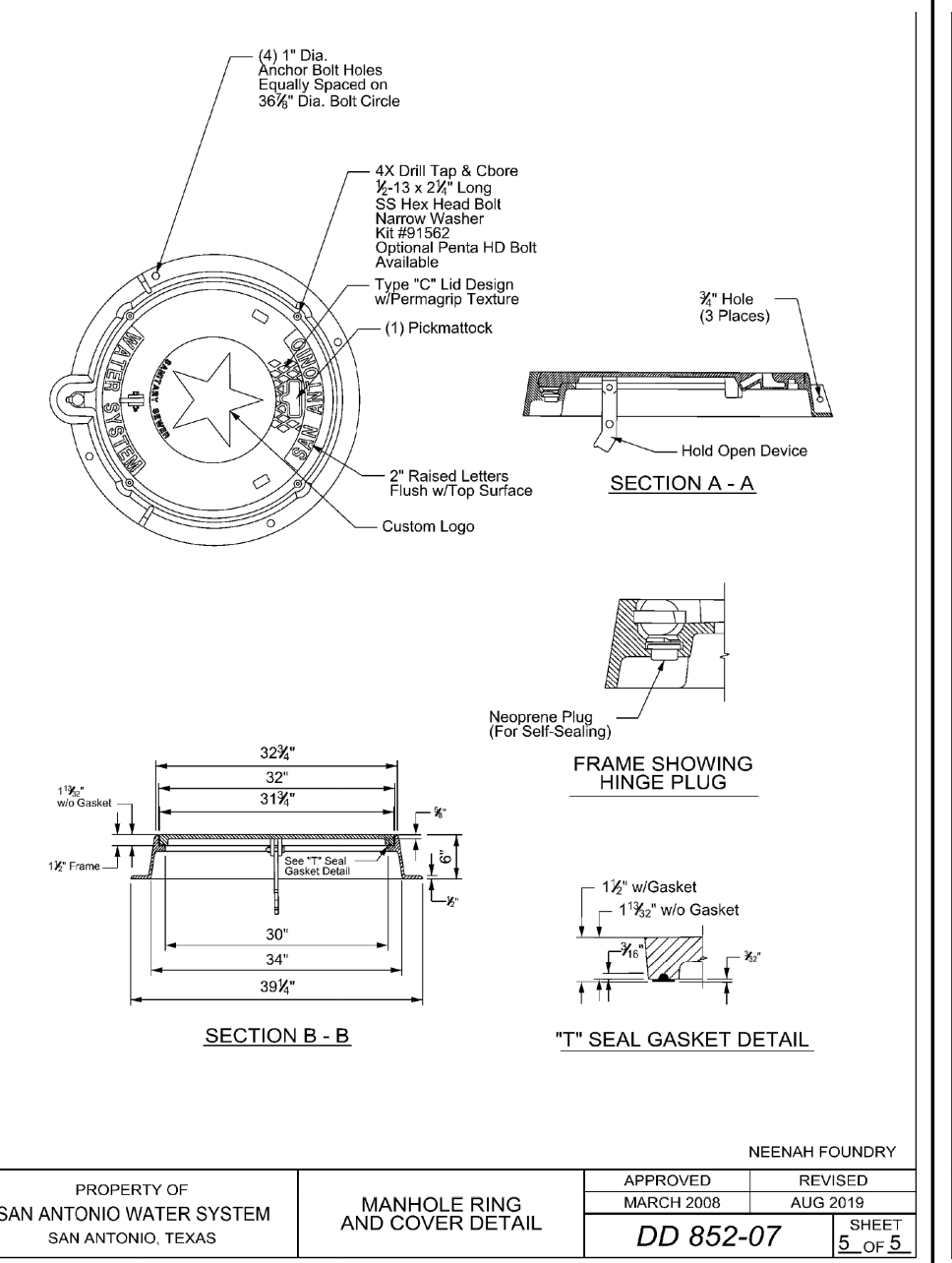
PROPERTY OF	MANHOLE RING AND COVER DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 852-07	4 OF 5



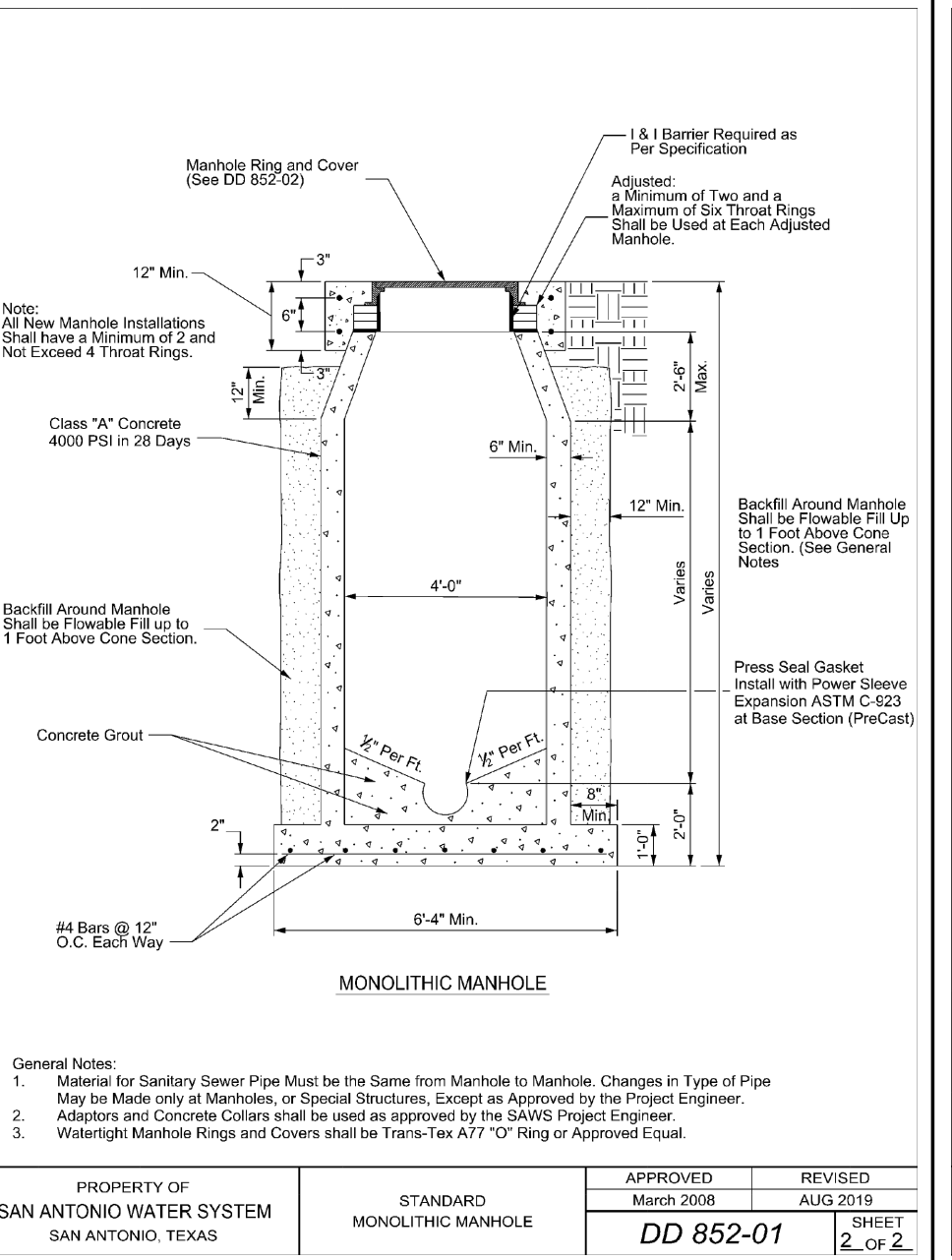
PROPERTY OF	STANDARD PRECAST MANHOLE	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD-852-01	1 OF 2



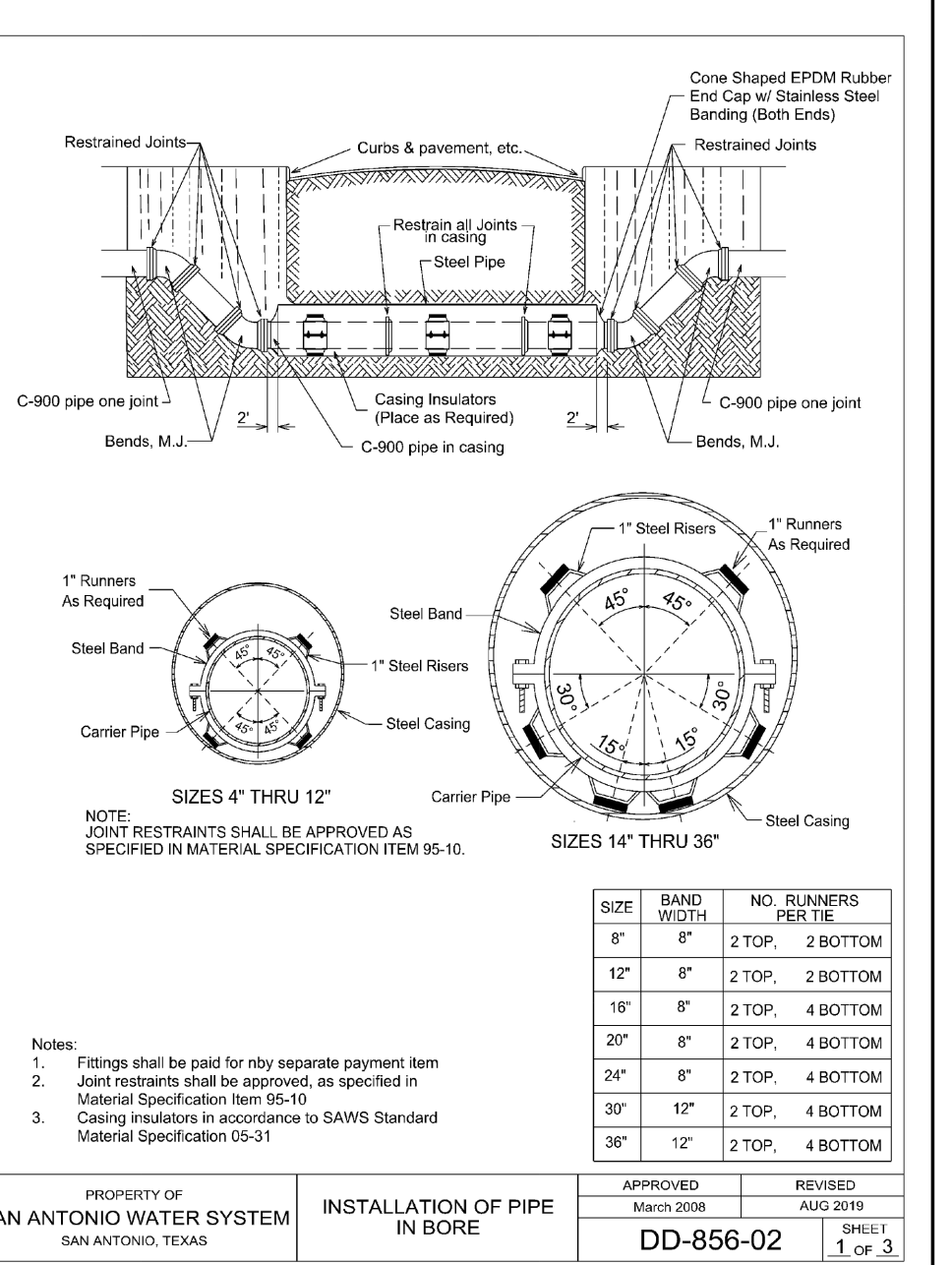
PROPERTY OF	TYPICAL VERTICAL STACK DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 860-01	1 OF 1



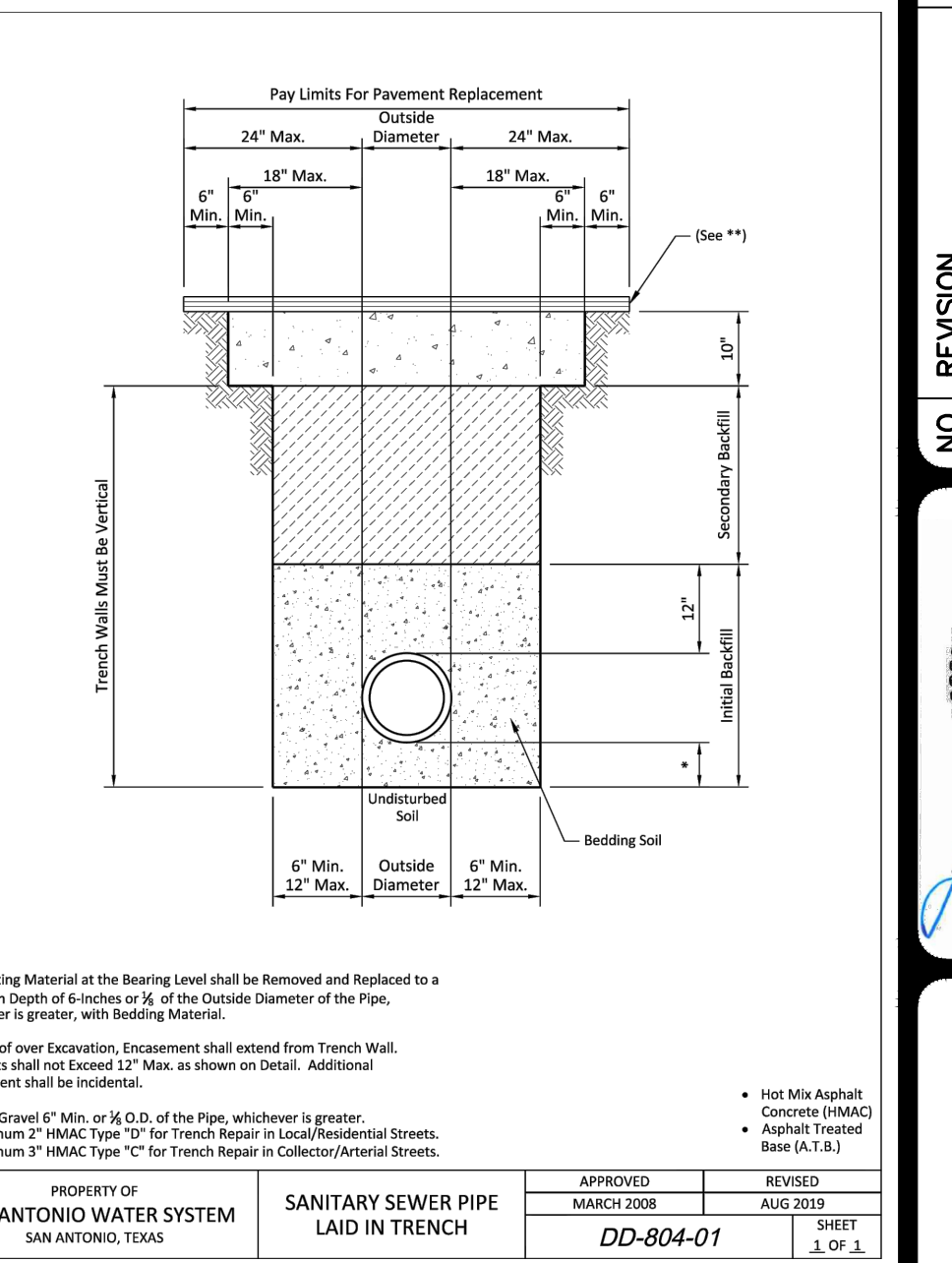
PROPERTY OF	MANHOLE RING AND COVER DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 852-07	5 OF 5



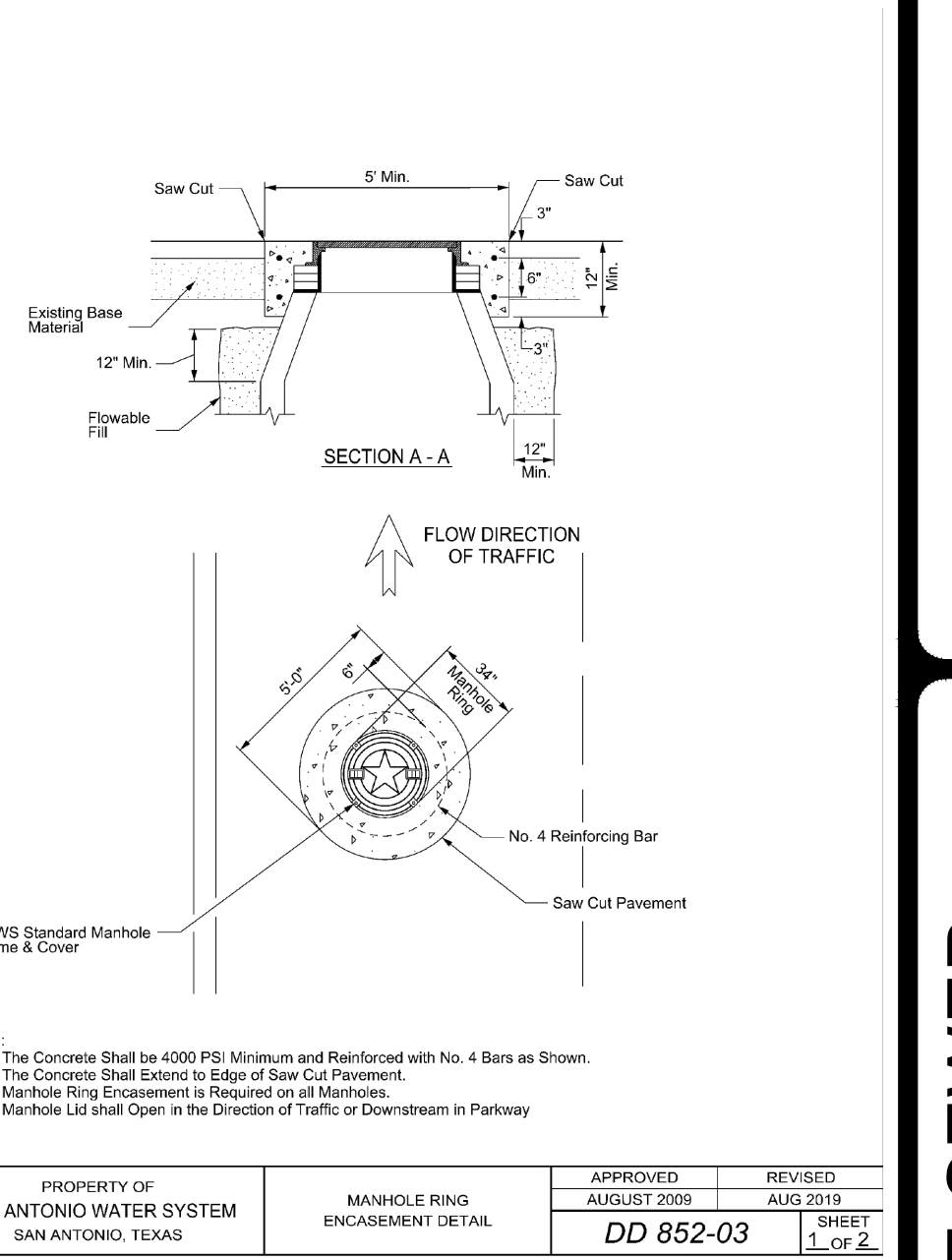
PROPERTY OF	STANDARD MONOLITHIC MANHOLE	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 852-01	2 OF 2



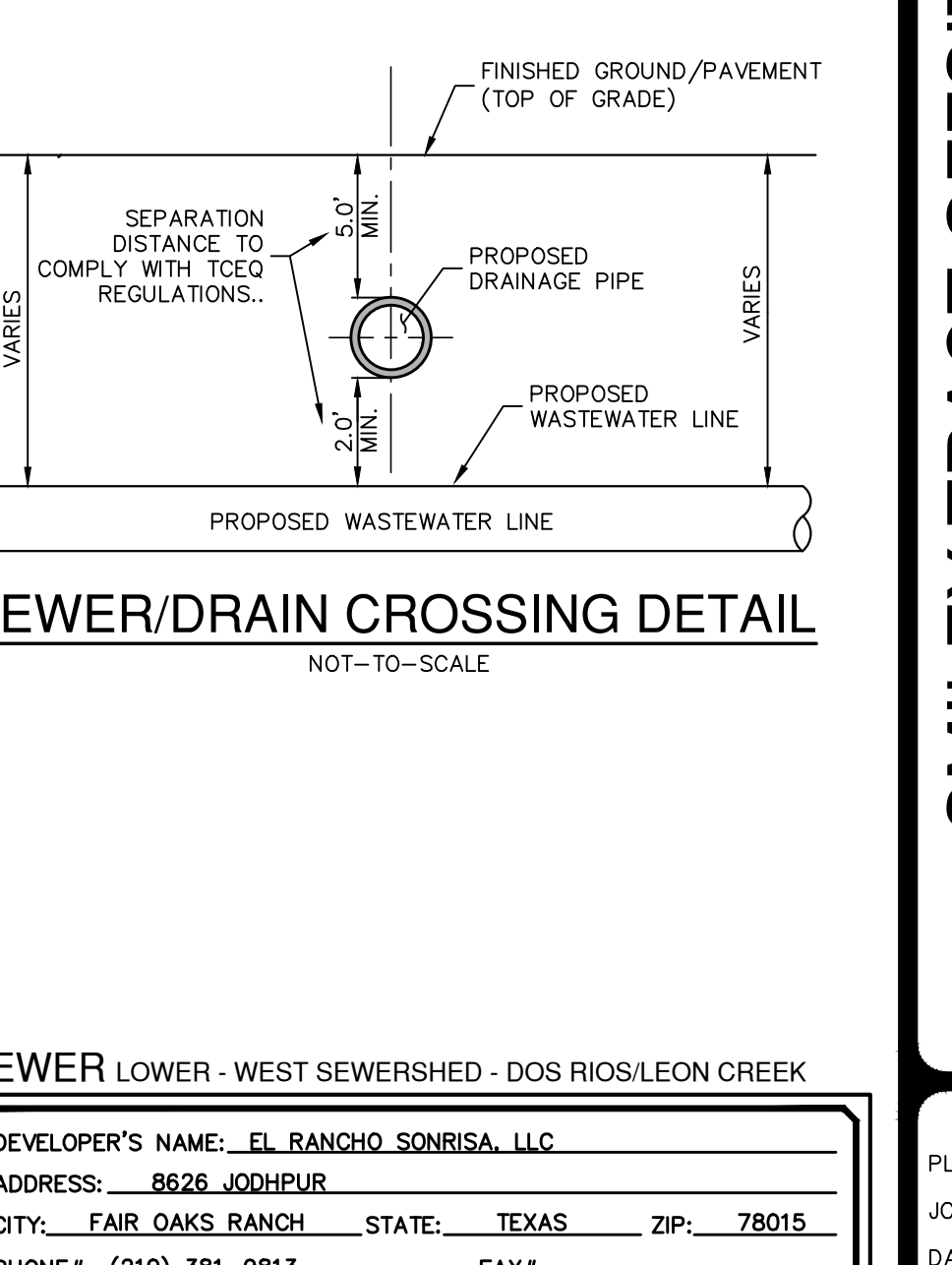
PROPERTY OF	INSTALLATION OF PIPE IN BORE	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD-856-02	1 OF 3



PROPERTY OF	SANITARY SEWER PIPE LAID IN TRENCH	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD-804-01	1 OF 1



PROPERTY OF	MANHOLE RING ENCASEMENT DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		AUGUST 2008	AUG 2019
SAN ANTONIO, TEXAS		DD 852-03	1 OF 2



PROPERTY OF	SEWER/RAIN CROSSING DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM		MARCH 2008	AUG 2019
SAN ANTONIO, TEXAS		DD-856-02	1 OF 3

DEVELOPER'S NAME:	EL RANCHO SONRISA, LLC
ADDRESS:	FAIR OAKS RANCH
CITY:	FAIR OAKS RANCH
STATE:	TEXAS
ZIP:	78015
PHONE#	(210) 381-9813
FAX#	
P24-071, P24-072, P24-073, P24-074	
SAWS BLOCK MAP P24-075 TOTAL EDU'S	2
TOTAL LINEAR FOOTAGE OF PIPE:	8" 6,072 LF PLAT NO. N/A
NUMBER OF LOTS	N/A
SAWS JOB NO.	24-1540

DATE

NO. REVISION

Jon Adame  
11-22-24

PLAT NO.

JOB NO.

DATE

DESIGNER

CHECKED

SHEET

SMILEY TRACT OFFSITE SEWER

SAN ANTONIO, TEXAS

SANITARY SEWER DETAILS

FAIR OAKS RANCH

STATE: TEXAS

ZIP: 78015

PHONE# (210) 381-9813

FAX#

P24-071, P24-072, P24-073, P24-074

SAWS BLOCK MAP P24-075 TOTAL EDU'S 2

TOTAL LINEAR FOOTAGE OF PIPE: 8" 6,072 LF PLAT NO. N/A

NUMBER OF LOTS N/A

SAWS JOB NO. 24-1540

PLAT NO.

JOB NO.

DATE

DESIGNER

CHECKED

SHEET

13316-04

JUNE 2024

AS

AD

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