

CONSTRUCTION PLANS FOR HISTORIC VILLAGE OF AGUA FRIA WASTEWATER IMPROVEMENTS PHASE II SANTA FE COUNTY, NEW MEXICO

APRIL 2024

INDEX

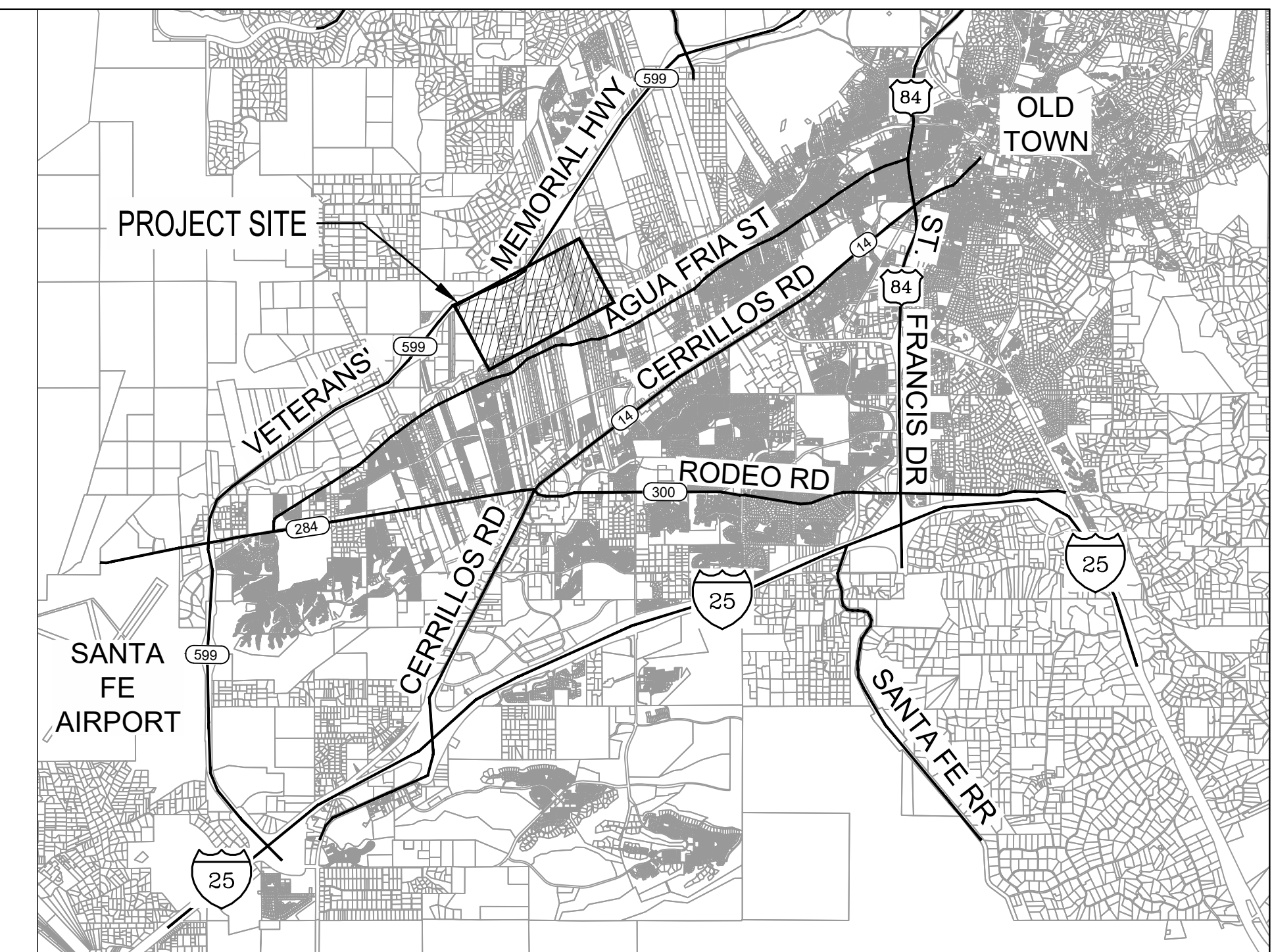
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02	G-02	GENERAL NOTES AND LEGEND
03	G-03	GEOTECHNICAL NOTES AND CONTACTS
04	G-04	MORRIS SURVEY CONTROL
05	G-05	OVERALL SITE MAP

SANITARY SEWER PLAN AND PROFILES

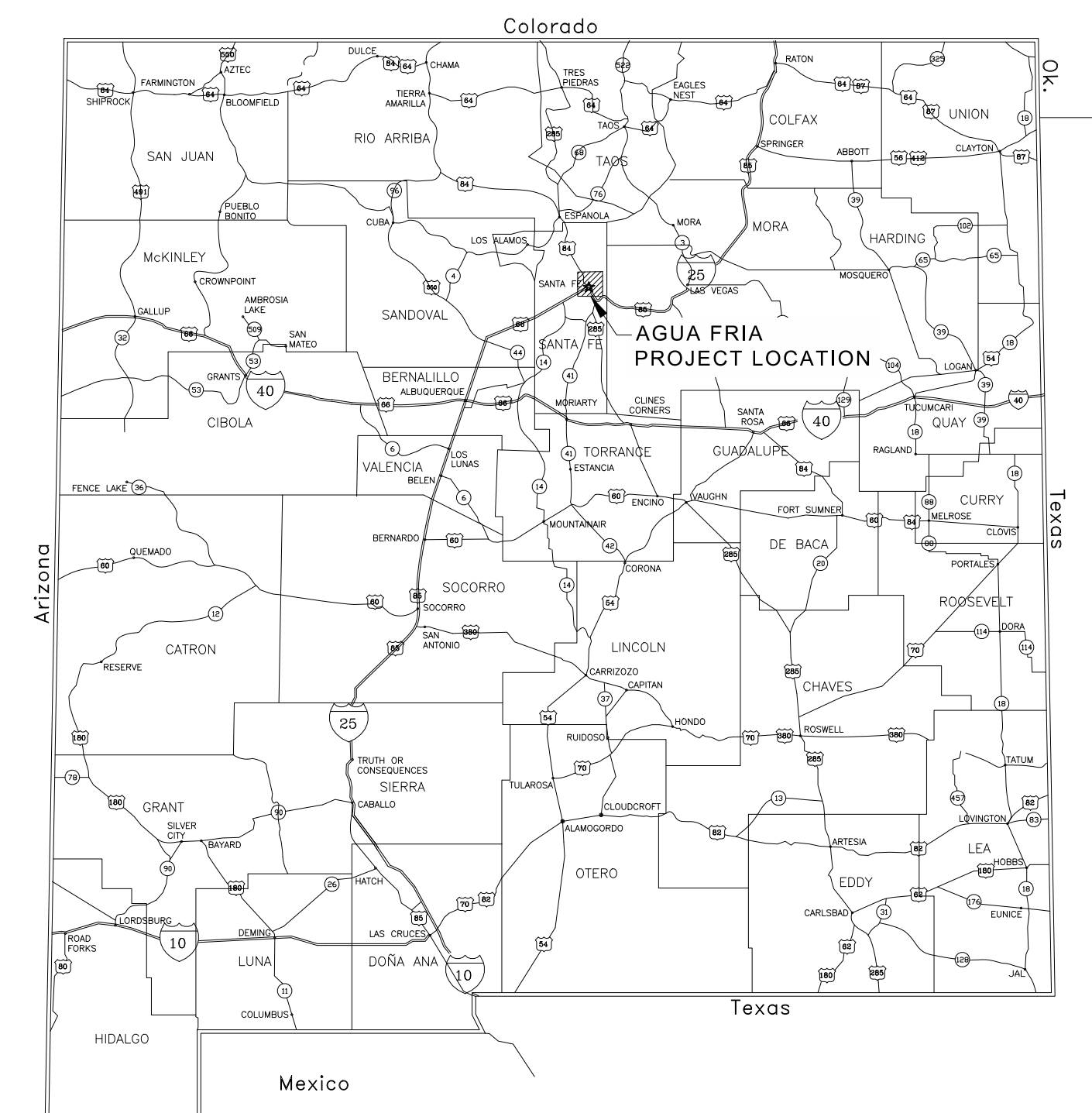
06	WW-01	RAMON LANE STA. 1+00 TO STA. 6+64.49
07	WW-02	ANB LANE STA 1+00 TO STA 4+89.23
08	WW-03	PAM Y EUTILIA LANE/PASEO MEL SENaida STA. 1+00 TO STA. 5+50
09	WW-04	PAM Y EUTILIA LANE/PASEO MEL SENaida STA. 5+50 TO STA. 10+00
10	WW-05	PAM Y EUTILIA LANE/PASEO MEL SENaida STA. 10+00 TO STA. 14+50
11	WW-06	PAM Y EUTILIA LANE/PASEO MEL SENaida STA. 14+50 TO STA. 18+81.49
12	WW-07	TERRAZAS LANE STA. 1+00 TO STA. 5+60
13	WW-08	TERRAZAS LANE STA. 5+60 TO STA. 10+35.51
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15	D-01	CIVIL DETAILS
16	D-02	SANITARY SEWER CONSTRUCTION DETAILS
17	D-03	SANITARY SEWER CONSTRUCTION DETAILS
18	D-04	SANITARY SEWER CONSTRUCTION DETAILS
19	D-05	SANITARY SEWER CONSTRUCTION DETAILS
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22	D-08	SANITARY SEWER CONSTRUCTION DETAILS
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**VICINITY
MAP**



ENGINEERS STAMP & SIGNATURE



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**NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT
ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS
AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR
PAYMENT.**

**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
COVER SHEET, INDEX OF DRAWINGS, AND VICINITY MAP**

BHI PROJECT NO. 20240315 DWG NO. G-01 SHEET 01 OF 24

GENERAL NOTES

- 1. ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL & VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTS...
3. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OWNER.
...
26. MATERIAL SUBMITTALS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

GENERAL NOTES (CONT'D)

- 27. LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, EXISTING UTILITY LOCATIONS SHALL BE VERIFIED BY THE APPROPRIATE UTILITY COMPANY...
28. CONTRACTOR SHALL SUBMIT AS-BUILT CONSTRUCTION PACKET WITHIN FIVE (5) DAYS OF COMPLETION OF CONSTRUCTION INCLUDING: VALVE TIES, AS-BUILT DRAWINGS...
...
29. ANY FIELD CHANGES TO THESE PLANS REQUIRE APPROVAL OF BOTH THE DESIGN ENGINEER AND SFCU.

SANITARY SEWER GENERAL NOTES (CONT'D)

- 12. FOR RECORD DRAWINGS, TIE MANHOLE TO A CITY OF SANTA FE SURVEY MONUMENT AS PART OF THE FINAL RECORD DRAWINGS...
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING, REPAIRING AND LOCATING THE SEWER SYSTEM UNTIL CITY ACCEPTANCE FOR MAINTENANCE...
...
26. PVC SEWER PIPE SHALL BE RUN CONTINUOUS THROUGH MANHOLES WHEN PIPE OF APPROXIMATE EQUAL SLOPES ARE ENTERING AND LEAVING THE MANHOLES.

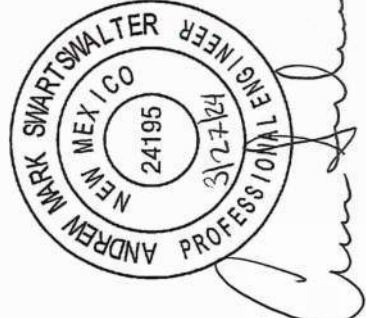
LOW PRESSURE SEWER NOTES

- 1. ALL COSTS ASSOCIATED WITH THE OPERATION, MAINTENANCE, AND REPLACEMENT OF GRINDER PUMPS FOR INDIVIDUAL LOTS SHALL BE THE RESPONSIBILITY OF THE LOT OWNER...
2. ALL PRESSURE SEWER SYSTEMS SHALL BE HYDROSTATICALLY PRESSURE TESTED @ 120 PSI FOR 2 HOURS MINIMUM...
...
5. TERMINAL FLUSHING CONNECTIONS AND IN-LINE FLUSHING CONNECTIONS ARE REQUIRED ON ALL LOW PRESSURE SEWER SYSTEMS.

LEGEND

- NEW SANITARY SEWER LINE
NEW WATER LINE
EXISTING WATER LINE
EXISTING SANITARY SEWER
EXISTING COMM LINE (SURVEYED)
EXISTING COMM LINE
EXISTING UNDERGROUND ELECTRIC
EXISTING GAS LINE
PERMIT BOUNDARY
EXISTING FENCE
PROPOSED VALVE
EXISTING VALVE
PROPOSED FIRE HYDRANT
PROPOSED COMBINATION AIR VALVE
REDUCER
EXISTING SANITARY SEWER MANHOLE
EXISTING BOLLARD
POTHOLE

ENGINEER'S SEAL



AS-BUILT INFORMATION

BENCH MARKS

Table with columns for CONTRACTOR, WORK STARTED BY, INSPECTORS ACCEPTANCE BY, FIELD VERIFICATION BY, DRAWINGS CORRECTED BY, NO., DATE, REMARKS, REVISIONS, DESIGN, S.I.C., DATE, AMIS, DATE, DRAWN BY.

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



HISTORIC VILLAGE OF AGUA FRIA WASTEWATER IMPROVEMENTS GENERAL NOTES AND LEGEND

BHI PROJECT NO. 20240315 DWG NO. G-02 SHEET 02 OF 24

PIPELINE GEOTECHNICAL NOTES

- TRENCHES AND EXCAVATIONS: ALL TRENCHES GREATER THAN FOUR FEET IN DEPTH MUST BE SLOPED, SHORED OR BRACED OR OTHERWISE SUPPORTED ACCORDING TO OSHA CONSTRUCTION AND SAFETY STANDARDS. MATERIAL EXCAVATED FROM THE TRENCH OR SPOIL MUST BE PLACED A MINIMUM OF TWO FEET FROM THE EDGE OF THE EXCAVATION. THE SPOIL SHOULD BE RETAINED IN AN EFFECTIVE MANNER SUCH THAT NO LOOSE MATERIAL CAN FALL INTO THE EXCAVATION. NATURAL SOILS AND FILL SOILS ENCOUNTERED AT THIS SITE SHOULD BE TREATED AS OSHA TYPE C SOILS. TRENCH WALLS IN FILL AND NATURAL SOILS SHALL NOT EXCEED A SLOPE STEEPER THAN 1.5:1 (HORIZONTAL:VERTICAL). TRENCH WALLS IN GRAVEL/COBBLES SHALL NOT EXCEED A SLOPE GREATER THAN 2:1. MATERIAL STOCKPILES SHALL BE LOCATED A MINIMUM OF FIVE FEET FROM THE TOP OF THE SLOPE.
- TRENCH BOXES: IF NECESSARY, SUITABLE BRACING SUCH AS TRENCH BOXES SHALL BE USED TO PREVENT THE CREEPING AND/OR CAVING OF EXCAVATIONS.
- EARTHWORK: EARTHWORK FOR THE PIPELINE SHALL BE PERFORMED AS DETAILED IN THE NEW MEXICO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION." IF VIBRATORY COMPACTION POSES A THREAT TO NEARBY STRUCTURES, STATIC COMPACTION SHALL BE UTILIZED.
- NATIVE SOILS SUITABLE FOR USE AS TRENCH AND ROADWAY BACKFILL; BLENDING AND/OR PROCESSING MAY BE REQUIRED IN ORDER TO MEET GRADATION SPECIFICATIONS. ALL TRENCH AND ROADWAY BACKFILL SHALL BE FREE OF VEGETATION AND DEBRIS AND CONTAIN NO ROCKS LARGER THAN 4 INCHES. IMPORT MATERIAL MAY ALSO BE USED AS FILL PROVIDED IT MEETS THE SPECIFICATIONS PRESENTED BELOW:

SIZE	PERCENT PASSING
4-INCH	100
No. 4	60 - 100
No. 200	10 - 50
- BACKFILL SHALL BE PLACED IN 8-INCH LOOSE LIFTS AND COMPACTED WITH APPROVED COMPACTION EQUIPMENT.
- ALL COMPACTION OF FILL OR BACKFILL SHALL BE ACCOMPLISHED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557. THE MOISTURE CONTENT OF THE STRUCTURAL FILL DURING COMPACTION SHOULD BE WITHIN 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT.

CONTACTS

ANDREW SWARTSWALTER, P.E. BOHANNAN-HUSTON, INC.	ASWARTSWALTER@BHINC.COM (505) 823-1000
GIL TERRERO AGUA FRIA COMMUNITY WATER ASSOCIATION	AFCWA@MSN.COM (505) 699-0055
STAN HOLLAND CITY OF SANTA FE WASTEWATER	TSHOLLAND@SANTAFENM.GOV (505) 955-4637
LEROY ALVARADO UTILITIES INFRASTRUCTURE MANAGER SANTA FE COUNTY	LALVARADO@SANTAFECOUNTYNM.GOV (505) 986-6237
MIKE HART PROJECT MANAGER SANTA FE COUNTY	MHART@SANTAFECOUNTYNM.GOV (505) 992-9829
FRANK ARAGON NEW MEXICO GAS COMPANY	(505) 470-0668
LORENZO LUJAN CENTURY LINK LOCAL	(505) 425-9345
DAVE AIKIN COMCAST	(505) 474-7886
DON FERRIS PNM	(505) 473-3279
RAMON ROMERO PRESIDENT VILLAGE OF AGUA FRIA WATER USERS ASSOCIATION	(505) 204-2394
ANA BERRY CANONCITO MUTUAL DOMESTIC WATER	(505) 490-2128

ENGINEER'S SEAL



AS-BUILT INFORMATION

CONTRACTOR	DATE	CONTRACTOR	DATE
WORK STARTED BY	DATE	INSPECTORS	DATE
INSPECTORS	DATE	FIELD VERIFICATION BY	DATE
ACCEPTANCE BY	DATE	DRAWINGS	DATE
		CORRECTED BY	DATE

BENCH MARKS

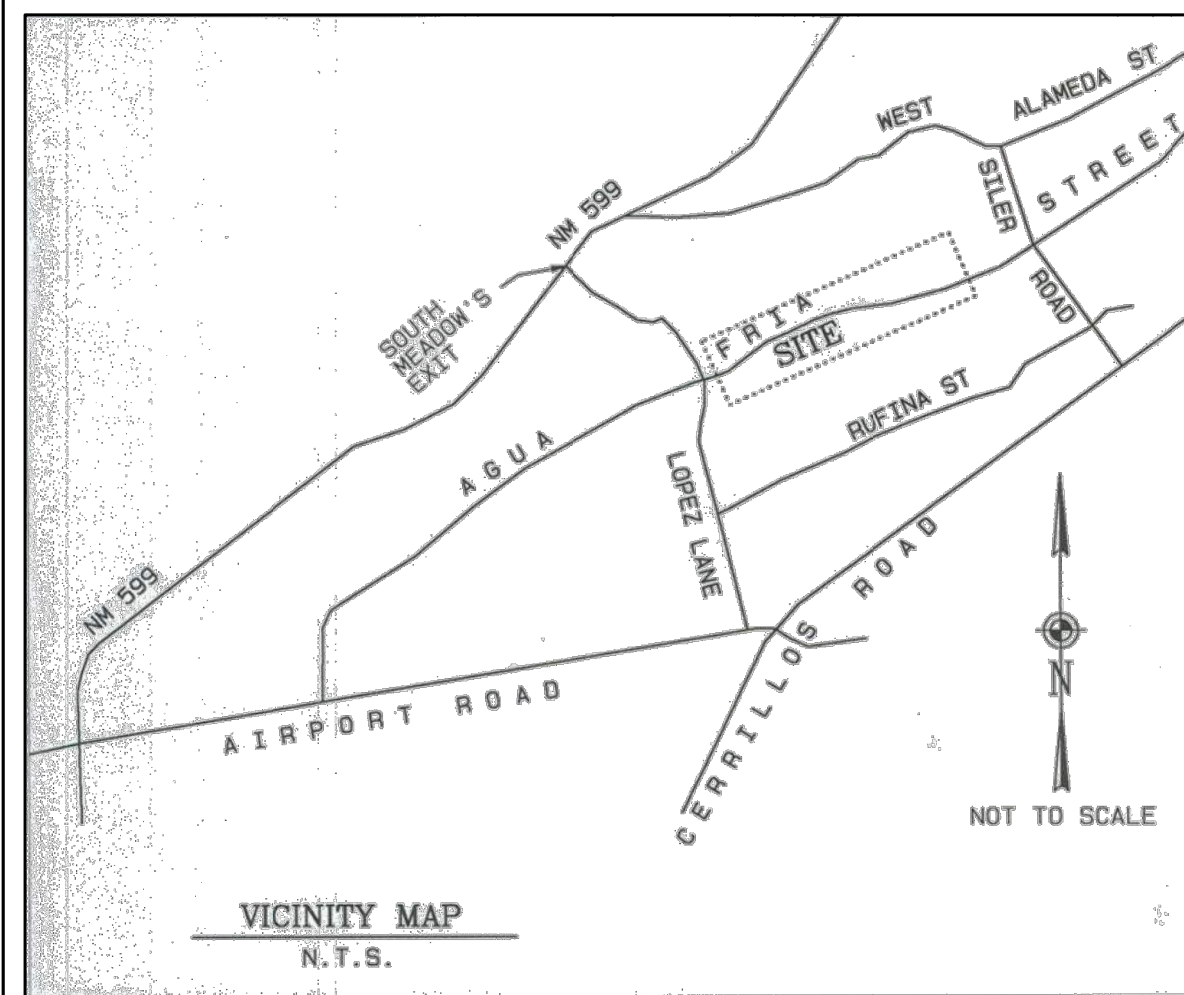
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		REVISIONS	
		DESIGN	
DESIGNED BY	DATE	SIC	DATE
CHECKED BY	DATE	AMS	DATE
DRAWN BY	DATE	NEC	DATE



**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
GEOTECHNICAL NOTES AND CONTACTS**

BHI PROJECT NO.	20240315	DWG NO.	G-03	SHEET	3	OF	24
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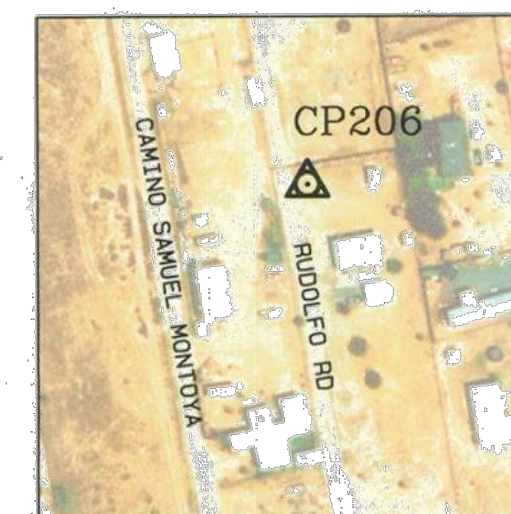
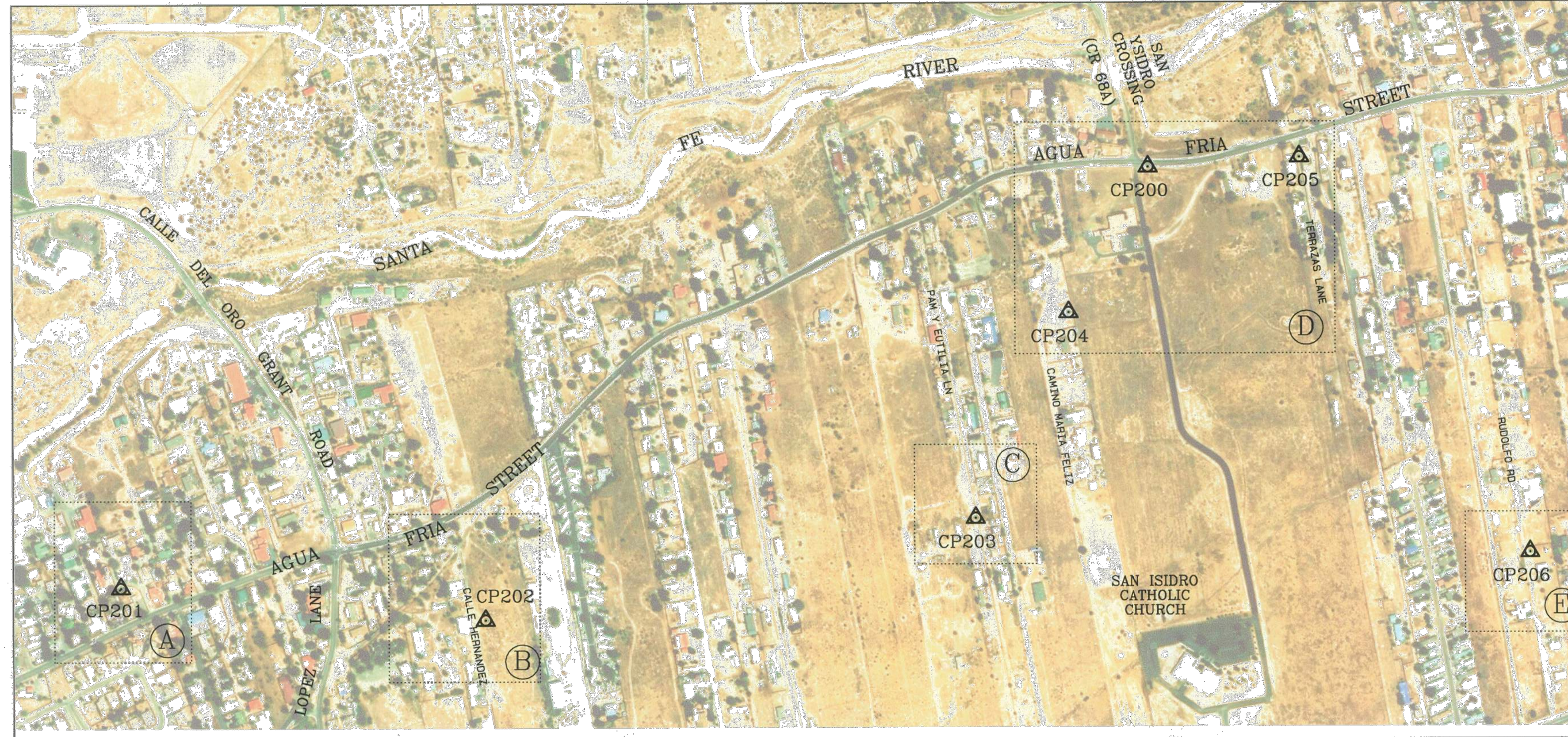
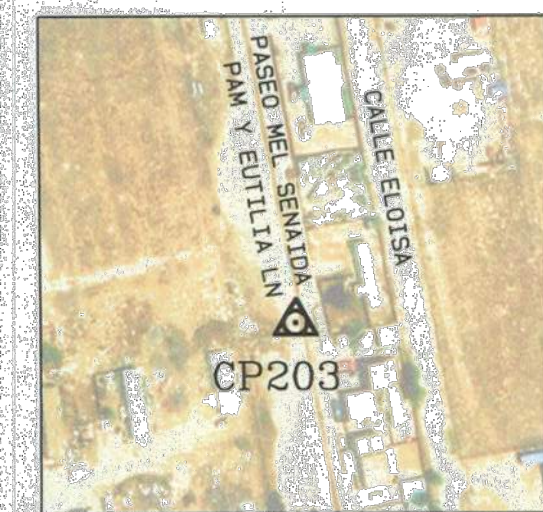
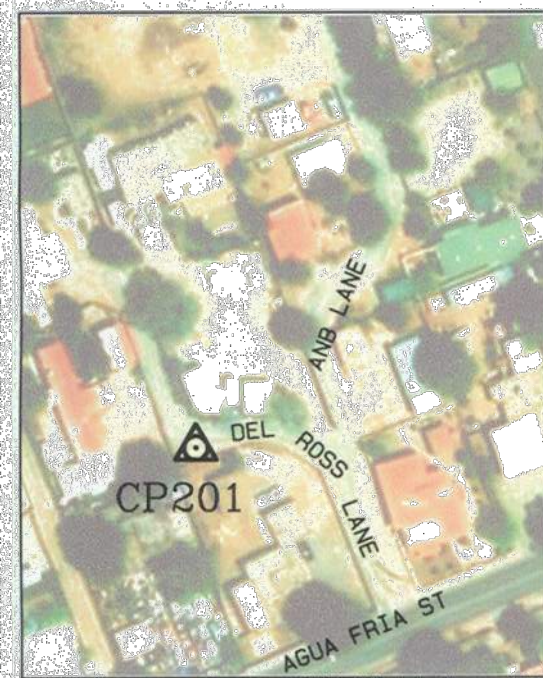
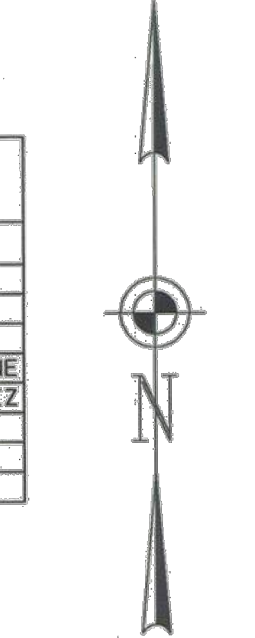
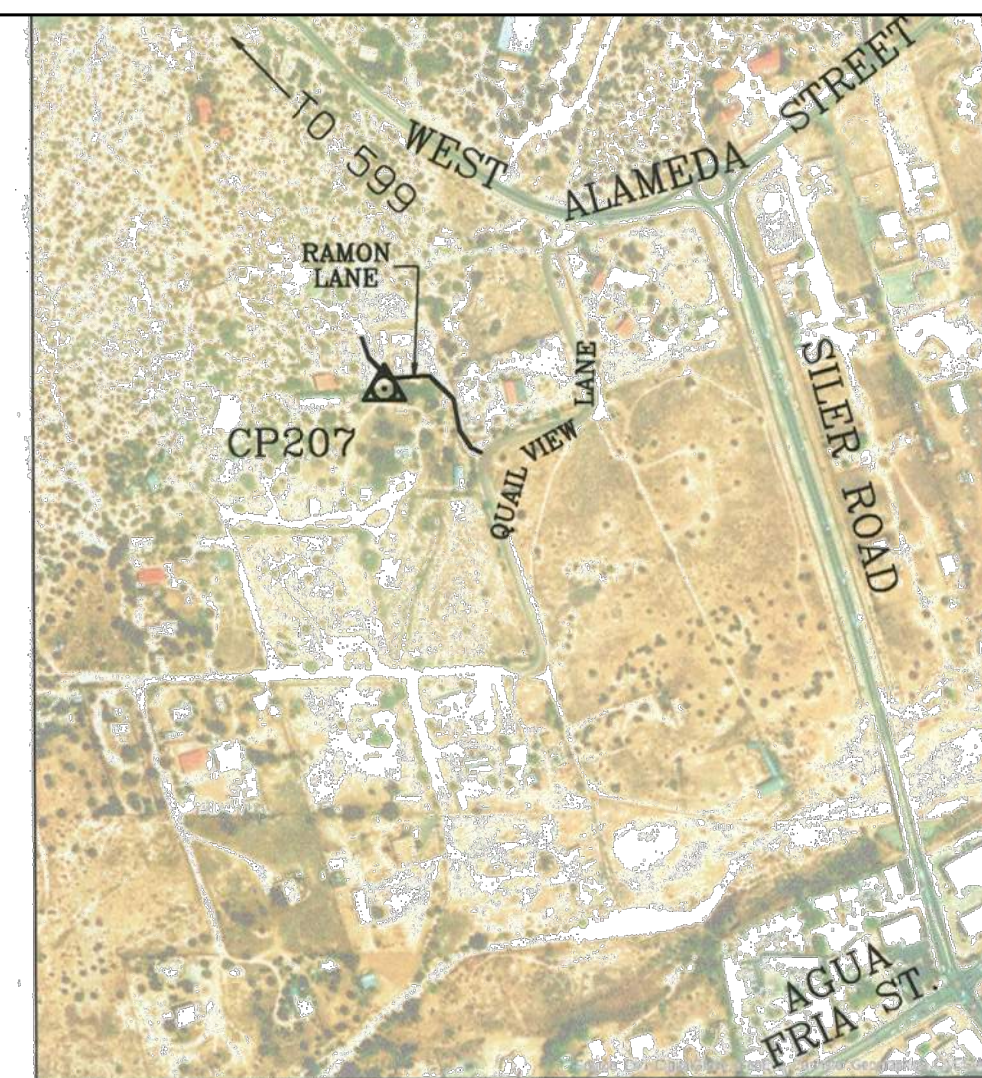


CONTROL COORDINATE TABLE

NAME	NEW MEXICO STATE PLANE CENTRAL ZONE, NAD 83 COORDINATES		MODIFIED GROUND COORDINATES (COMBINED FACTOR 1.0004075460)		ELEVATION	DESCRIPTION	LOCATION
	NORTHING (Y)	EASTING (X)	NORTHING	EASTING			
CP 200	1695194.90	1711185.72	1695885.77	1711993.11	6616.88	X CUT TOP CONC. CURB	AGUA FRIA STREET
CP 201	1693524.82	1707046.45	1694215.01	1707742.15	6551.00	ALUMINUM CAP	DEL ROSS LANE
CP 202	1693394.07	1708514.79	1694084.21	1709211.09	6566.07	ALUMINUM CAP	CALLE HERNANDEZ
CP 203	1693795.46	1710487.59	1694485.76	1711184.69	6600.06	ALUMINUM CAP	PAM Y EUTILIA LANE
CP 204	1694614.70	1710864.30	1695305.33	1711561.56	6612.02	ALUMINUM CAP	CAMINO MARIA FELTZ
CP 205	1695232.99	1711794.81	1695923.88	1712492.45	6627.85	ALUMINUM CAP	TERRAZAS LANE
CP 206	1693654.19	1712717.72	1694344.43	1713415.73	6628.73	ALUMINUM CAP	RUDOLFO LANE
CP 207	1698419.03	1713897.61	1699111.21	1714596.10	6690.47	ALUMINUM CAP	RAMON LANE

NOTES

- COORDINATES ARE NEW MEXICO STATE PLANE CENTRAL ZONE NAD 1983, US SURVEY FEET. MODIFIED GROUND COORDINATES ARE SCALED BY 1.0004075460 AT 0, 0.
- VERTICAL DATUM IS BASED UPON NAVD 88 AND TIED TO NEW MEXICO DEPARTMENT OF TRANSPORTATION CONTROL MONUMENT "05-SF2-10," HAVING NAVD 88 ELEVATION (ORTHOMETRIC HEIGHT) OF 6601.91 [US FEET]. ELEVATIONS SHOWN ARE ORTHOMETRIC HEIGHT [US FEET].
- CONTROL MONUMENTS WITH DESCRIPTION "ALUMINUM CAP" ARE MSE ALUMINUM CONTROL CAPS SET ON #4 REBAR.
- FIELD SURVEY PERFORMED MARCH-AUGUST, 2019 USING TRIMBLE R10 GPS RECEIVER.



SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THIS CONTROL SURVEY AND THE NOTES SHOWN HEREON WERE PREPARED UNDER MY DIRECTION FROM A SURVEY PERFORMED IN THE FIELD, TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THIS CONTROL SURVEY MEETS OR EXCEEDS THE REQUIREMENTS OF THE "MINIMUM STANDARDS FOR LAND SURVEYING IN NEW MEXICO".

Richard A. Morris
 RICHARD A. MORRIS
 N.M.P.S. No. 10277

JUNE 30, 2020

SURVEY CONTROL SHEET

MORRIS
 surveying | engineering

4 Calle Medico—Suite A Phone: (505) 438-9100
 Santa Fe, NM 87505 FAX: (505) 474-6783

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ENGINEER'S SEAL

AS-BUILT INFORMATION

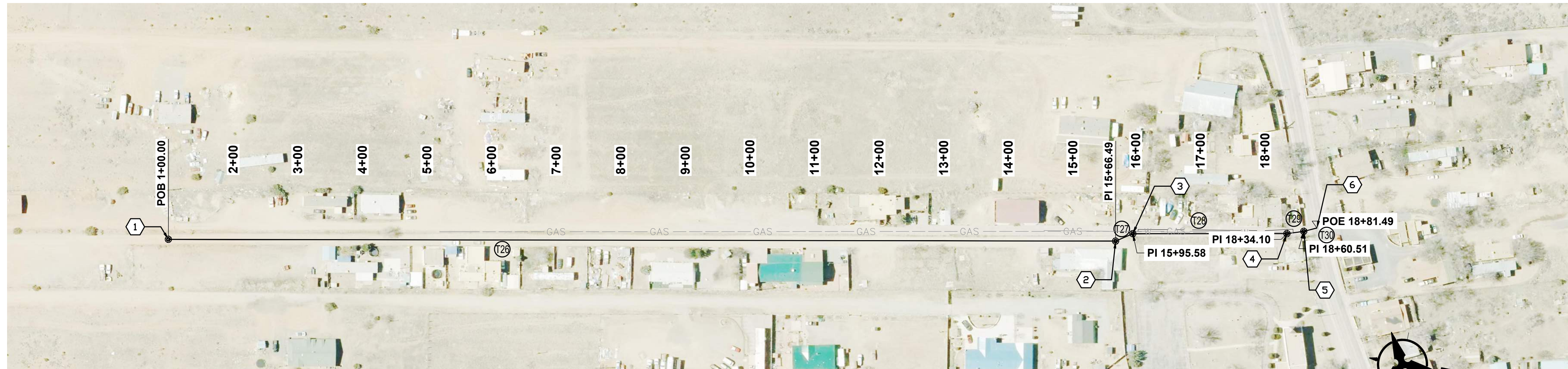
BENCH MARKS

REMARKS		NO.	DATE	DESIGNED BY	S.I.C.
REVISIONS					
DESIGN					
				DATE	1/19/2024
				DATE	1/19/2024
				DATE	1/19/2024
				DATE	

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HISTORIC VILLAGE OF AGUA FRIA WASTEWATER IMPROVEMENTS MORRIS SURVEY CONTROL

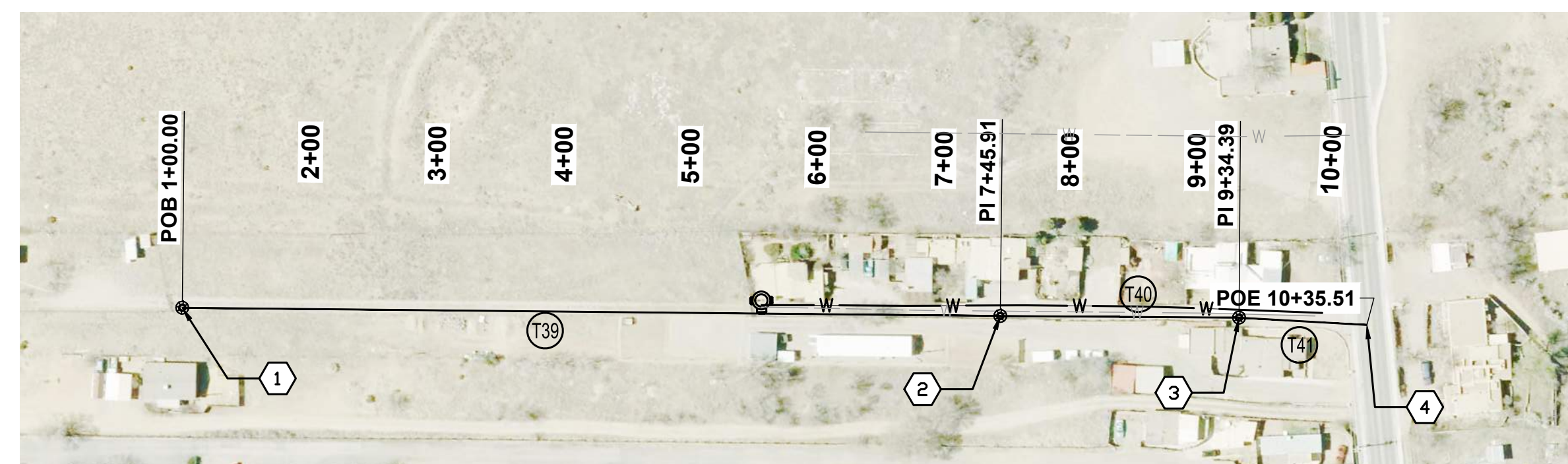
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PAM Y EUTILIA TANGENT TABLE		
ID	BEARING	LENGTH
T26	N10°53'30"W	1466.49'
T27	N34°22'10"W	29.10'
T28	N11°00'34"W	238.52'
T29	N18°47'07"W	26.40'
T30	N25°22'20"W	20.98'

PAM Y EUTILIA POINT TABLE		
POINT #	EASTING	NORTHING
2	1711042.18	1695372.87
3	1711025.76	1695396.89
4	1710980.21	1695631.02
5	1710971.70	1695656.02
6	1710962.71	1695674.97

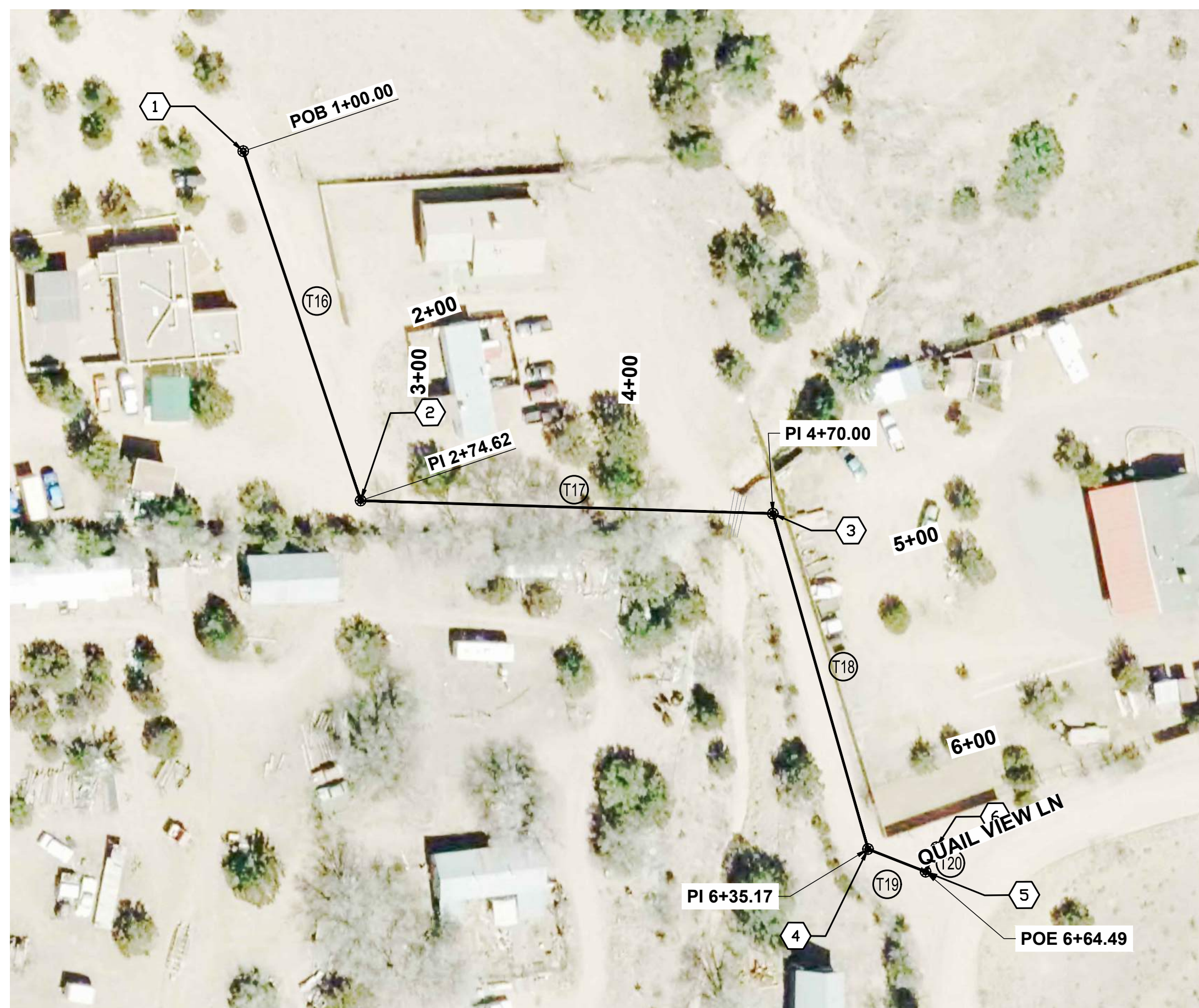
01 PAM Y EUTILIA/PASEO MEL SENaida LANE STA. 1+00 TO STA. 18+81.49
SCALE: 1" = 100'



TERRAZAS LANE TANGENT TABLE		
ID	BEARING	LENGTH
T39	N10°25'25"W	645.91'
T40	N10°34'49"W	188.48'
T41	N07°45'19"W	101.13'

TERRAZAS LANE POINT TABLE		
POINT #	EASTING	NORTHING
1	1712655.90	1695081.11
2	1712539.04	1695716.37
3	1712504.44	1695901.64
4	1712490.79	1696001.84

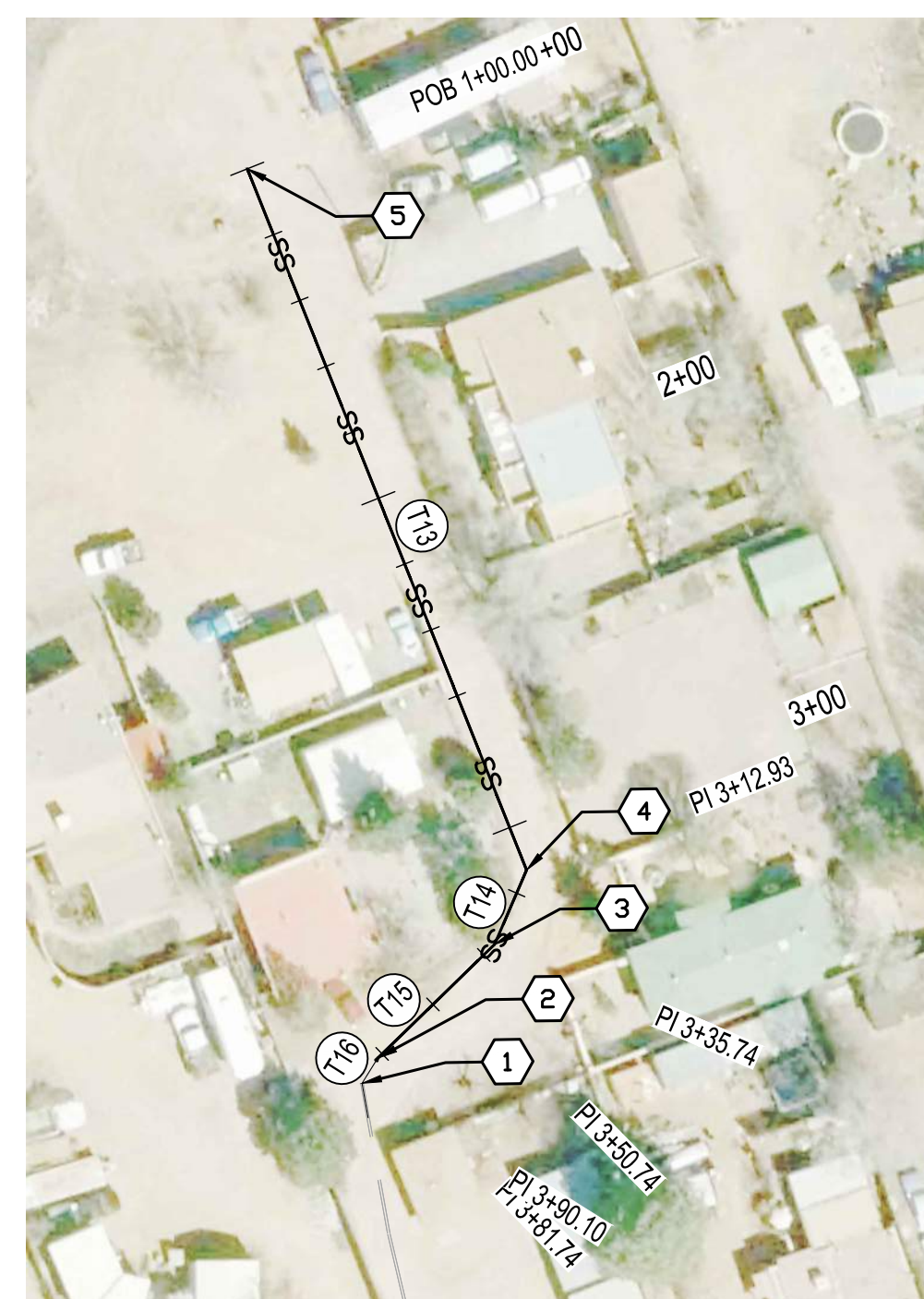
02 TERRAZAS LANE STA. 1+00 TO STA. 10+35.51
SCALE: 1" = 100'



RAMON LANE POINT TABLE		
POINT #	EASTING	NORTHING
1	1714540.99	1699281.00
2	1714596.64	1699115.49
3	1714791.92	1699109.28
4	1714836.96	1698950.37
5	1714864.24	1698939.63
6	1714869.27	1698951.14

RAMON LANE TANGENT TABLE		
ID	BEARING	LENGTH
T16	S18°35'02"E	174.62'
T17	S88°10'48"E	195.38'
T18	S15°49'26"E	165.17'
T19	S68°30'28"E	29.32'
T20	N23°36'15"E	12.56'

03 RAMON LANE STA. 1+00 TO STA. 6+64.49
SCALE: 1" = 100'



POINT TABLE			
POINT #	DESCRIPTION	NORTHING	EASTING
1	SAS MH-1	1694313.66	1707825.61
2	2" X 4" REDUCER	1694320.73	1707830.01
3	BEND	1694352.81	1707862.97
4	BEND	1694374.27	1707869.80
5	SAS MH-2	1694571.58	1707793.19

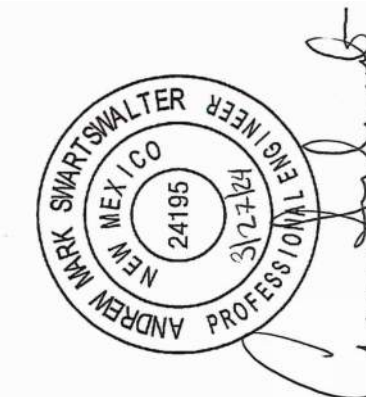
ANB LANE TANGENT TABLE		
ID	LENGTH	BEARING
T13	212.93'	S21° 43' 12.00"E
T14	22.82'	S23° 16' 48.00"W
T15	30.99'	S45° 46' 52.14"W
T16	8.37'	S32° 05' 21.10"W

04 ANB LANE STA. 1+00 TO STA. 4+00
SCALE: 1" = 100'

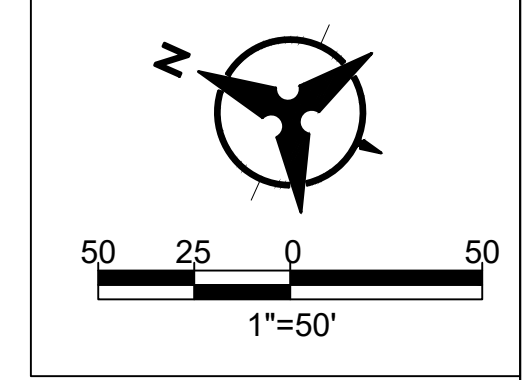
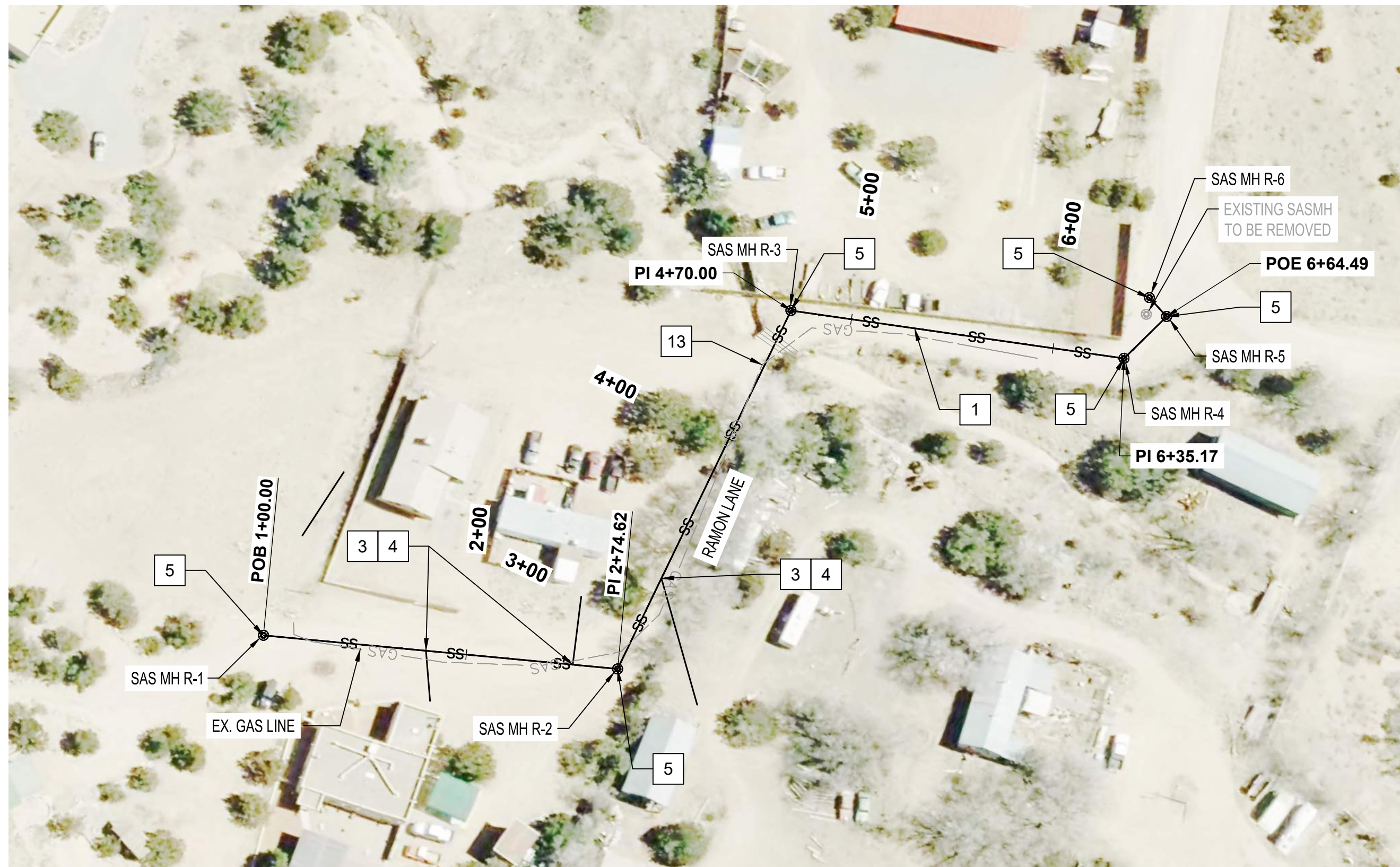
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BENCH MARKING'S SEALAS-BUILT INFORMATION

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE



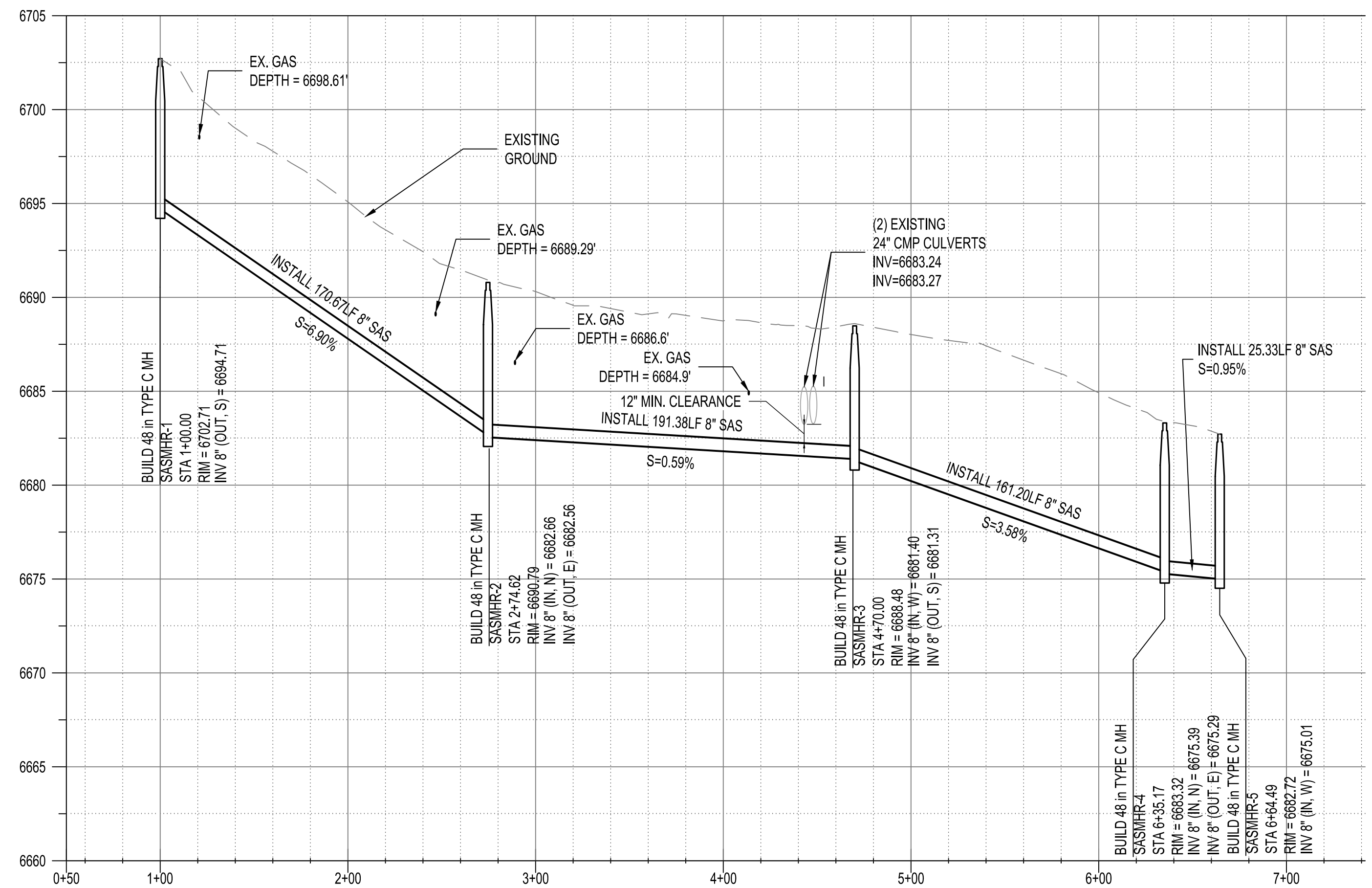
**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
OVERALL SITE MAP**



RAMON LANE STA. 1+00 TO STA. 6+64.49

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

SEWER SERVICE LINES			
HOME OWNER ID/ADDRESS	DOWN-STREAM MH	SAS SERVICE MAIN CONNECTION DISTANCE FROM DOWNSTREAM MH	SERVICE LENGTH
	MH R-2	174.6	
	MH R-3	195.4	
	MH R-4	165.2	
	MH R-5	29.3	
	MH R-6	12.6	



- GENERAL NOTES:**
- SEWER LINE CONNECTIONS SHALL BE COORDINATED WITH THE CITY OF SANTA FE PUBLIC WORKS DEPARTMENT.
 - CONSTRUCT MANHOLES PER CITY OF SANTA FE STANDARD DRAWINGS.
 - LOW PRESSURE STUB-OUTS LOCATION SHALL BE DETERMINED IN FIELD BY THE CITY OF SANTA FE. EXTEND TO EDGE OF ROAD.
 - CONTRACTOR SHALL VERIFY ELEVATION AND LOCATION OF EXISTING 8" STUB.
 - RESTORE ROADWAY PER DETAIL 2, DWG D-01.
 - EXISTING WATER SERVICES SHALL BE REPLACED TO METER CAN. RELOCATE NEW METER IN OLD CAN.
 - ALL MANHOLE COLLARS AND COVERS SHALL BE PLACED 6" BELOW FINISHED GRADE WITH ADJACENT CARSONITE MARKER.
 - CONTRACTOR SHALL COORDINATE TREE TRIMMING AND/OR REMOVAL WITH SANTE FE COUNTY REPRESENTATIVE AND HOME OWNER.

- LEGEND**
- NEW SANITARY SEWER LINE
 - NEW WATER LINE
 - EXISTING WATER LINE
 - EXISTING SANITARY SEWER
 - EXISTING COMM LINE (SURVEYED)
 - EXISTING COMM LINE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING GAS LINE
 - PERMIT BOUNDARY
 - EXISTING FENCE

- KEYED NOTES**
- NEW 8" SANITARY SEWER LINE
 - NEW 2" LOW PRESSURE SEWER LINE
 - INSTALL SANITARY SEWER SERVICE LINE
 - CONNECT TO NEW SANITARY SEWER LINE
 - INSTALL 1 - SANITARY SEWER MANHOLE PER CITY OF SANTA FE STANDARD DETAILS ON DWGS. NO. D-02 AND D-06
 - REMOVE AND REPLACE EXISTING FENCE, MATCH EXISTING
 - NOT USED.
 - INSTALL LOW PRESSURE STUB OUT WITH VALVE, SEE DETAIL 2 DWG. NO. D-07
 - INSTALL TERMINAL FLUSHING CONNECTION, SEE DETAIL 1, DWG. NO. D-07
 - INSTALL NEW 8" C900 PVC WATER LINE, SEE DETAIL 01, DWG D-01.
 - EXISTING WATER LINE TO BE REMOVED ONCE NEW WATER LINE IS CONNECTED TO SERVICE LINES.
 - CONNECT LOW PRESSURE LINE TO EXISTING MANHOLE.
 - INLINE FLUSHING STATION PER DETAIL 2, DWG D-06.
 - GAS LINE TO BE RELOCATED IF NECESSARY TO INSTALL NEW SAS OR IN WATERLINE RELOCATION.

- TRAFFIC CONTROL NOTES**
- CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS DURING NON-WORKING HOURS
 - CONTRACTOR SHALL COVER ANY TRENCHES NIGHTLY.

ENGINEER'S SEAL

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE	REMARKS	DESIGN

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**AGUA FRIA WASTEWATER IMPROVEMENTS
RAMON LANE
STA 1+00 TO 6+64.49**

BHI PROJECT NO. 20240315 DWG NO. WW-01 SHEET 06 OF 24

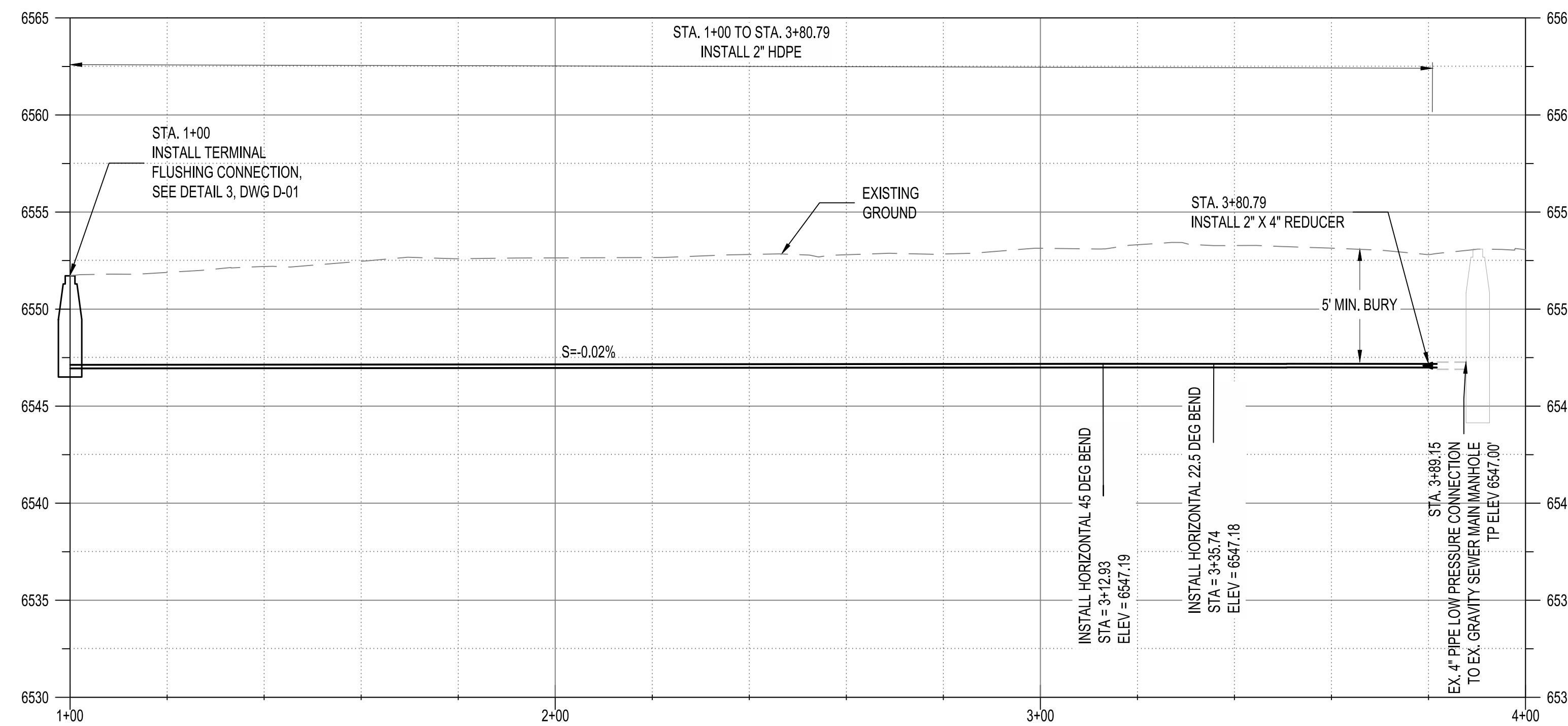
NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

Wed, 20-Mar-2024 - 9:44 am, Plotted by: ETH/OMPSON
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ANB LANE STA. 1+00 TO STA. 3+89.15

PLAN DRAWING SCALE: 1" = 20'
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 5'



**NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT
ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS
AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR
PAYMENT.**

GENERAL NOTES:

- SEWER LINE CONNECTIONS SHALL BE COORDINATED WITH THE CITY OF SANTA FE PUBLIC WORKS DEPARTMENT.
- CONSTRUCT MANHOLES PER CITY OF SANTA FE STANDARD DRAWINGS.
- LOW PRESSURE STUB-OUTS LOCATION SHALL BE DETERMINED IN FIELD BY CONTRACTOR, RESIDENT, AND SANTA FE COUNTY REPRESENTATIVE.
- CONTRACTOR SHALL VERIFY ELEVATION AND LOCATION OF EXISTING 8" STUB.
- RESTORE ROADWAY PER DETAIL 2, DWG D-01.
- EXISTING WATER SERVICES SHALL BE REPLACED TO METER CAN. RELOCATE NEW METER IN OLD CAN.
- ALL MANHOLE COLLARS AND COVERS SHALL BE PLACED FLUSH WITH FINISHED GRADE.
- CONTRACTOR SHALL COORDINATE TREE TRIMMING AND/OR REMOVAL WITH SANTA FE COUNTY REPRESENTATIVE AND HOME OWNER.

LEGEND

- NEW SANITARY SEWER LINE
- NEW WATER LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- EXISTING COMM LINE (SURVEYED)
- EXISTING COMM LINE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING GAS LINE
- PERMIT BOUNDARY
- EXISTING FENCE

KEYED NOTES

- NEW 8" SANITARY SEWER LINE
- NEW 2" LOW PRESSURE SEWER LINE
- INSTALL SANITARY SEWER SERVICE LINE
- CONNECT TO NEW SANITARY SEWER LINE
- INSTALL 1 - SANITARY SEWER MANHOLE PER CITY OF SANTA FE STANDARD DETAILS ON DWGS. NO. D-02 AND D-06
- REMOVE AND REPLACE EXISTING FENCE, MATCH EXISTING
- NOT USED.
- INSTALL LOW PRESSURE STUB OUT WITH VALVE, SEE DETAIL 2 DWG. NO. D-07
- INSTALL TERMINAL FLUSHING CONNECTION, SEE DETAIL 1, DWG. NO. D-07
- INSTALL NEW 8" C900 PVC WATER LINE, SEE DETAIL 01, DWG D-01.
- EXISTING WATER LINE TO BE REMOVED ONCE NEW WATER LINE IS CONNECTED TO SERVICE LINES.
- CONNECT LOW PRESSURE LINE TO EXISTING MANHOLE.
- INLINE FLUSHING STATION PER DETAIL 2, DWG D-06.
- GAS LINE TO BE RELOCATED IF NECESSARY TO INSTALL NEW SAS OR IN WATERLINE RELOCATION.

TRAFFIC CONTROL NOTES

- CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS DURING NON-WORKING HOURS
- CONTRACTOR SHALL COVER ANY TRENCHES NIGHTLY.

ENGINEER'S SEAL



AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE	REMARKS

NO.	DATE	REVISIONS

DESIGNED BY	DATE	SIC

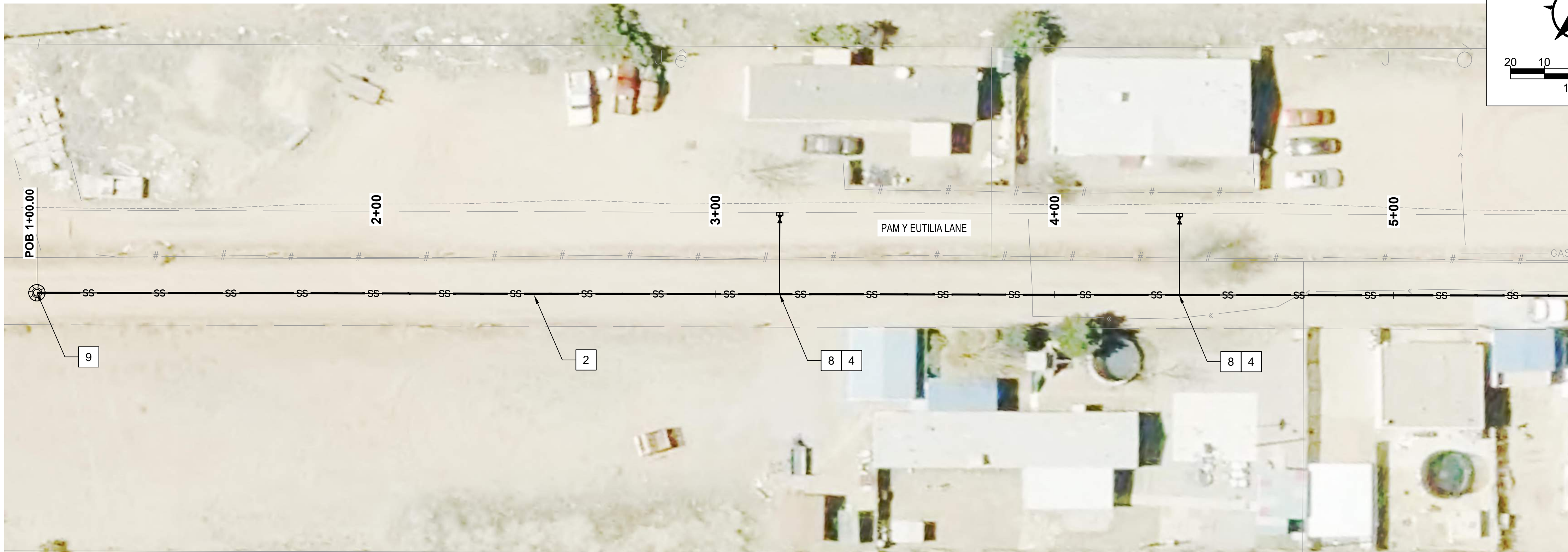
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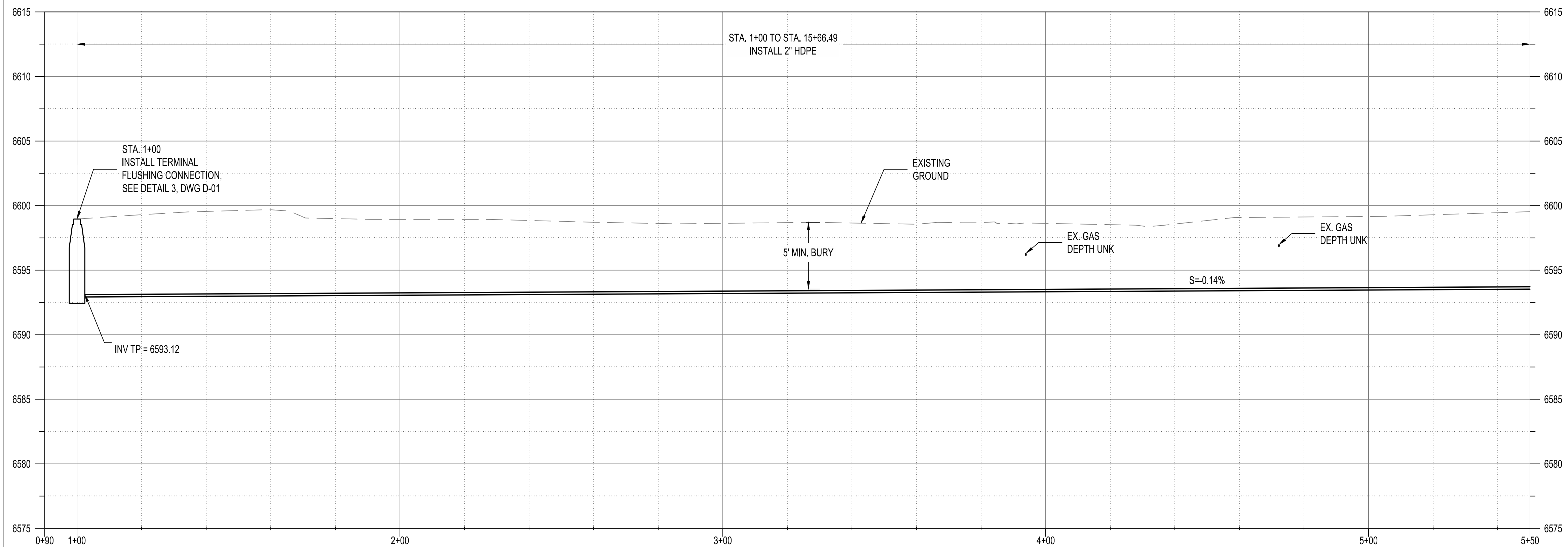
**AGUA FRIA WASTEWATER IMPROVEMENTS
ANB LANE
STA 1+00 TO 4+89.23**

BHI PROJECT NO.	20240315	DWG NO.	WW-02	SHEET	07	OF	24
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PAM Y EUTILIA LANE/PASEO MEL SENAI DA STA. 1+00 TO STA. 5+50

PLAN DRAWING SCALE: 1" = 20'
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 5'



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- RESTORE ROADWAY PER DETAIL 2, DWG D-01.
- EXISTING WATER SERVICES SHALL BE REPLACED TO METER CAN. RELOCATE NEW METER IN OLD CAN.
- ALL MANHOLE COLLARS AND COVERS SHALL BE PLACED 6" BELOW FINISHED GRADE WITH ADJACENT CARSONITE MARKER.
- CONTRACTOR SHALL COORDINATE TREE TRIMMING AND/OR REMOVAL WITH SANTE FE COUNTY REPRESENTATIVE AND HOME OWNER.

LEGEND

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- EXISTING COMM LINE (SURVEYED)
- EXISTING COMM LINE
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- EXISTING GAS LINE
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BENCH MARKS

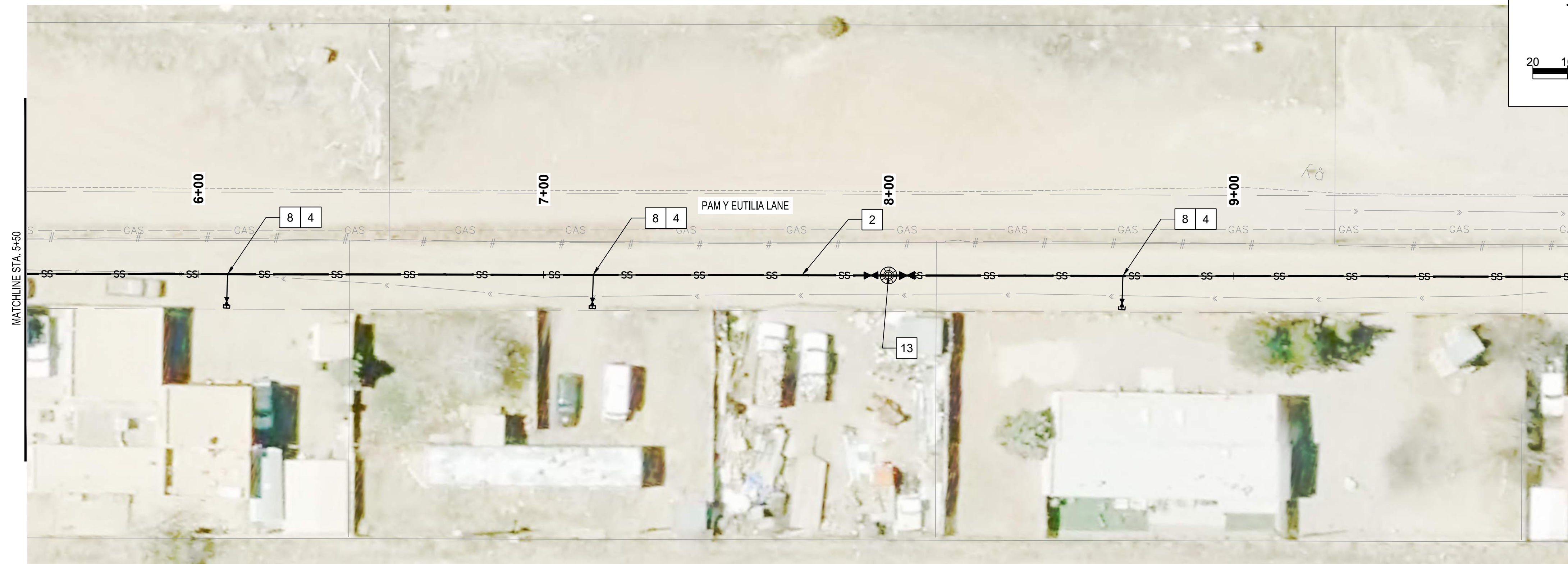
NO.	DATE	REMARKS	DESIGN	DATE	DATE	DATE	DATE



**AGUA FRIA WASTEWATER IMPROVEMENTS
PAM Y EUTILIA LANE/PASEO MEL SENAI DA
STA 1+00 TO 5+50**

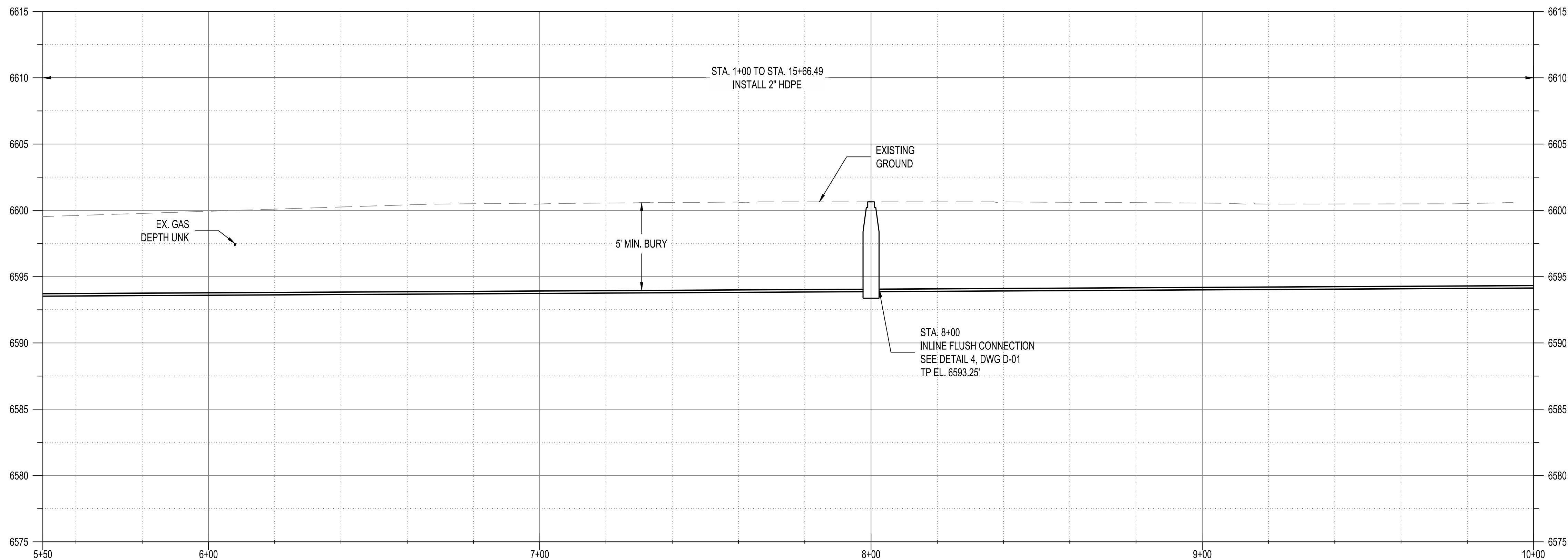
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PAM Y EUTILIA LANE/PASEO MEL SENAIIDA STA. 5+50 TO STA. 10+00

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LEGEND

- NEW SANITARY SEWER LINE
- W — NEW WATER LINE
- - - W - EXISTING WATER LINE
- - - SS - EXISTING SANITARY SEWER
- - - PHON - EXISTING COMM LINE (SURVEYED)
- - - C - EXISTING COMM LINE
- - - UGEL - EXISTING UNDERGROUND ELECTRIC
- - - GAS - EXISTING GAS LINE
- - - PERMIT BOUNDARY
- - - # - EXISTING FENCE

KEYED NOTES

- NEW 8" SANITARY SEWER LINE
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- INSTALL SANITARY SEWER SERVICE LINE
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TRAFFIC CONTROL NOTES

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ENGINEER'S SEAL



AS-BUILT INFORMATION

CONTRACTOR	DATE	DATE	DATE	DATE	DATE
WORK STARTED BY					
INSPECTORS ACCEPTANCE BY					
FIELD VERIFICATION BY					
DRAWINGS CORRECTED BY					

BENCH MARKS

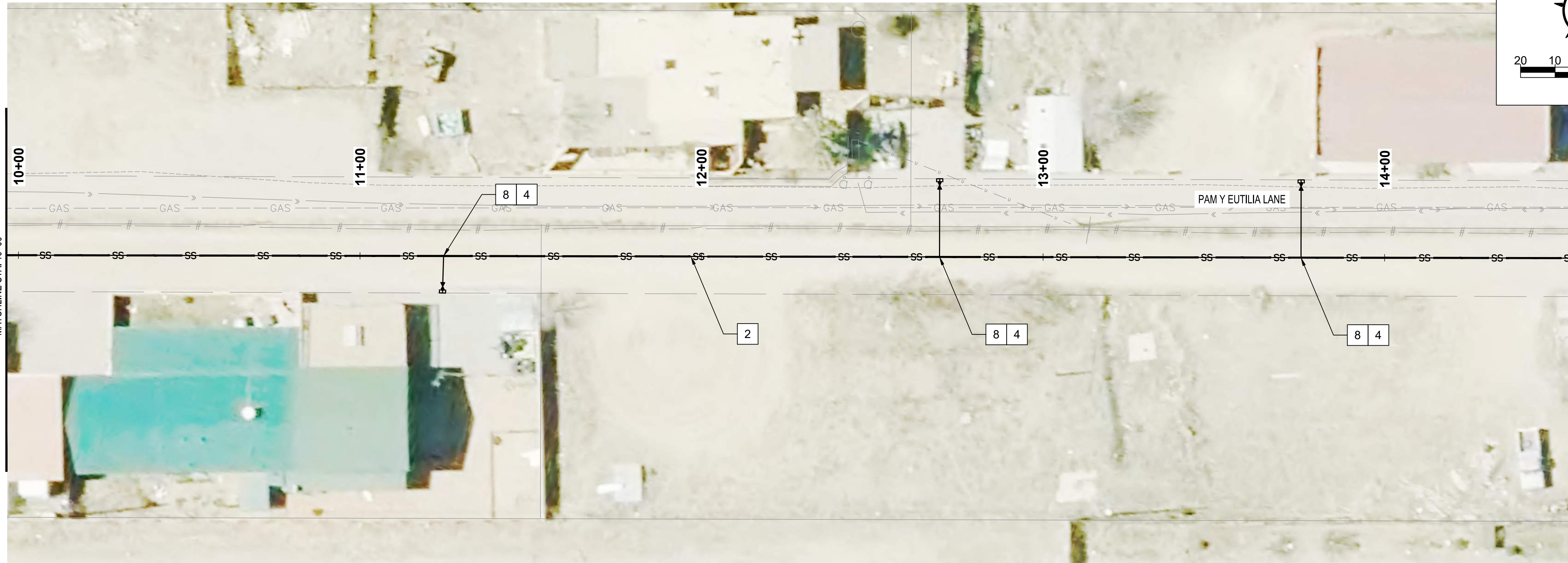
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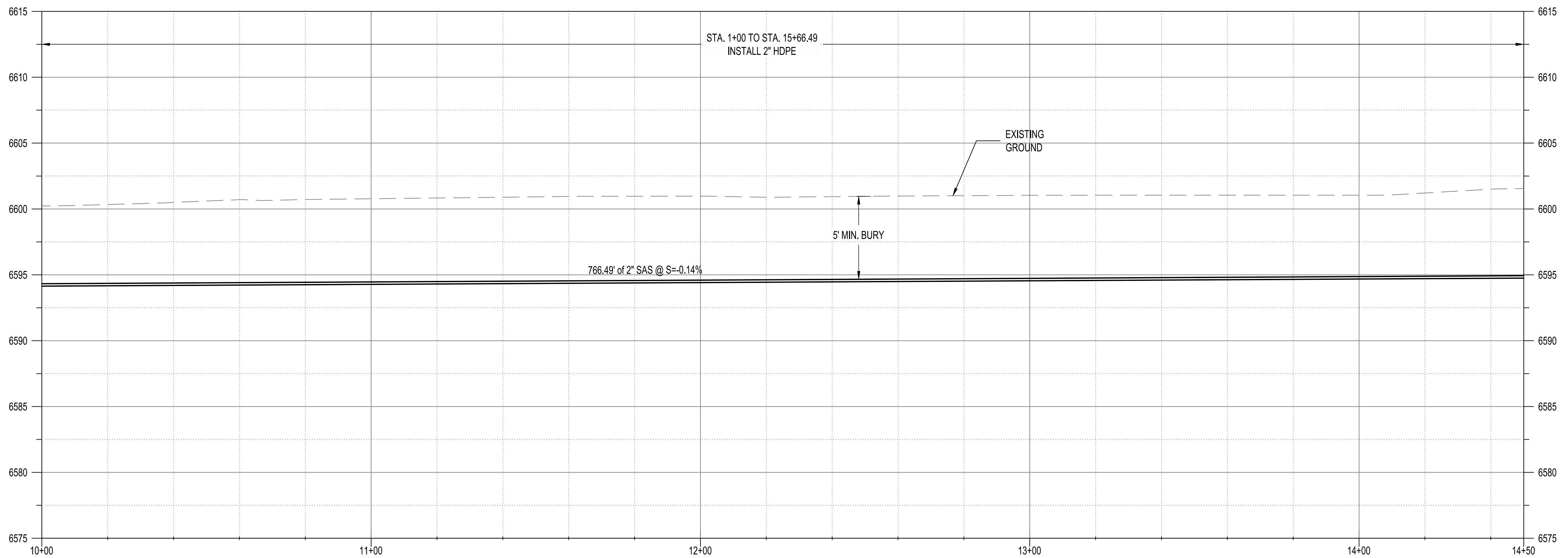
**AGUA FRIA WASTEWATER IMPROVEMENTS
PAM Y EUTILIA LANE/PASEO MEL SENAIIDA
STA 5+50 TO 10+00**

BHI PROJECT NO.	20240315	DWG NO.	WW-04	SHEET	09	OF	24
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PAM Y EUTILIA LANE/PASEO MEL SENAIDA STA. 10+00 TO STA. 14+50

PLAN DRAWING SCALE: 1" = 20'
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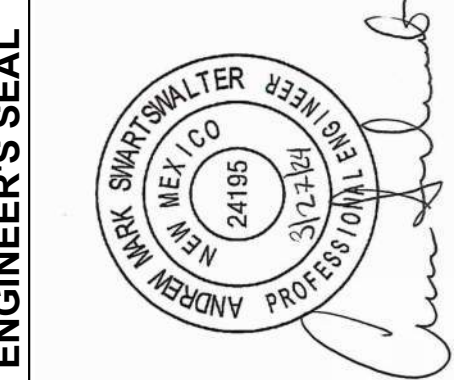
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- TRAFFIC CONTROL NOTES**
- CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS DURING NON-WORKING HOURS
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AS-BUILT INFORMATION

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BENCH MARKS

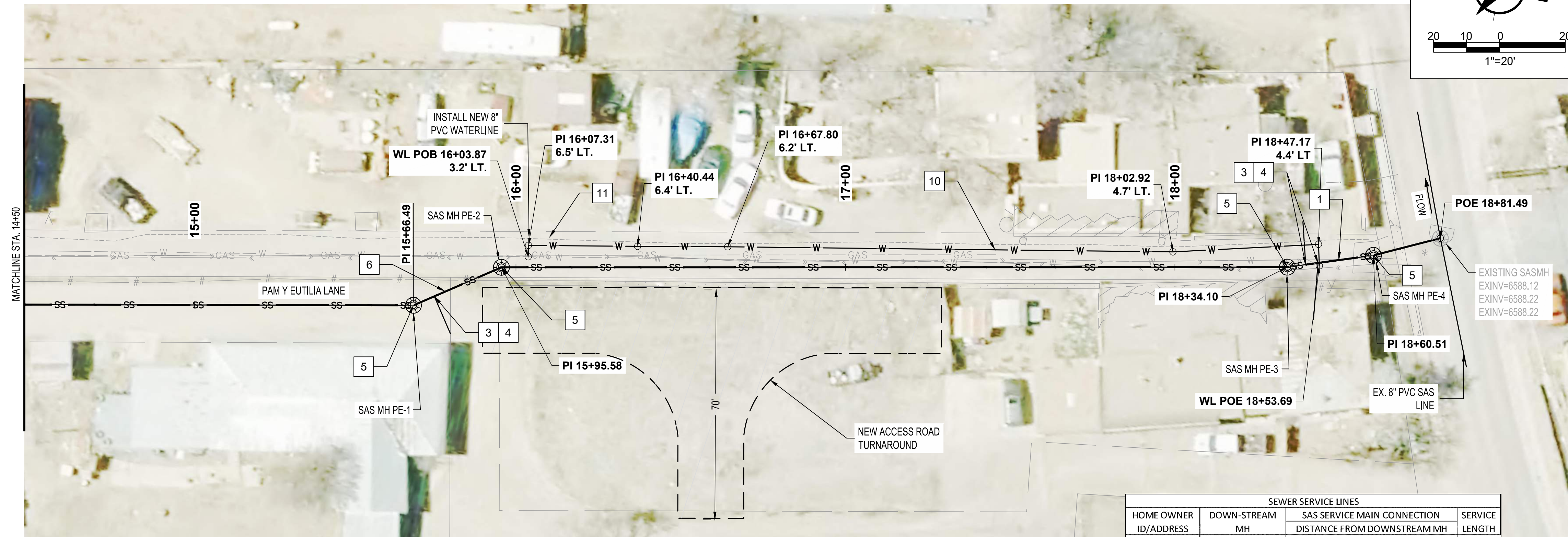
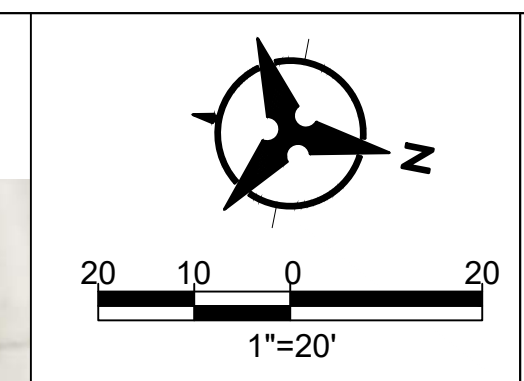
NO.	DATE	REMARKS

NO.	DATE	REVISIONS	DESIGN	DATE	DATE	DATE	SIC	AMS	NEC



**AGUA FRIA WASTEWATER IMPROVEMENTS
PAM Y EUTILIA LANE/PASEO MEL SENAIDA
STA 10+00 TO 14+50**

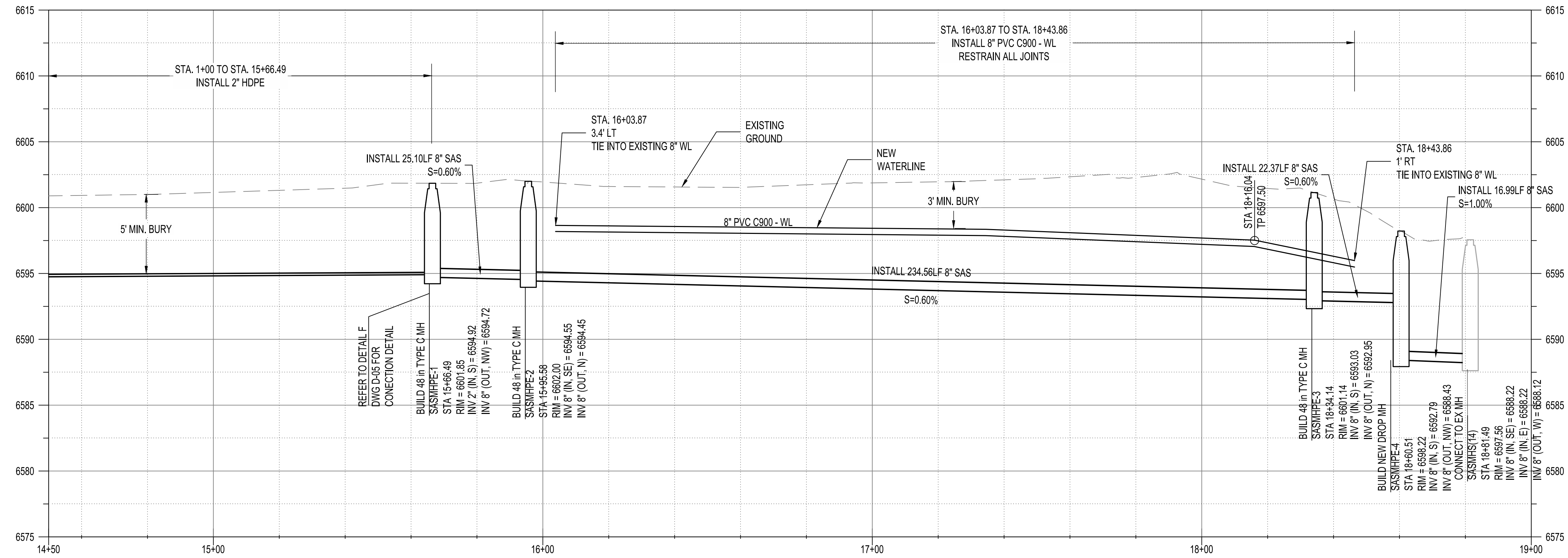
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SEWER SERVICE LINES			
HOME OWNER ID/ADDRESS	DOWN-STREAM MH	SAS SERVICE MAIN CONNECTION DISTANCE FROM DOWNSTREAM MH	SERVICE LENGTH
	MH PE-2	29.1	
	MH PE-3	238.6	
	MH PE-4	26.4	

PAM Y EUTILIA LANE/PASEO MEL SENAIIDA STA. 14+50 TO STA. 18+81.49

PLAN DRAWING SCALE: 1" = 20'
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- TRAFFIC CONTROL NOTES**
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 - CONTRACTOR SHALL COVER ANY TRENCHES NIGHTLY.

ENGINEER'S SEAL

AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE	BY

REVISIONS

NO.	DATE	DESIGN

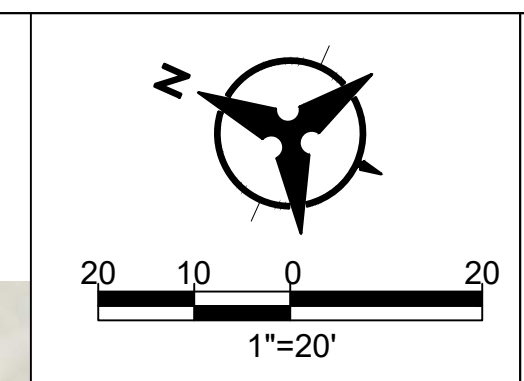
REMARKS

NO.	DATE	S.I.C.	DESIGNED BY	AMS	CHECKED BY	AMS	DESIGNED BY	AMS	DRAWN BY	NEC



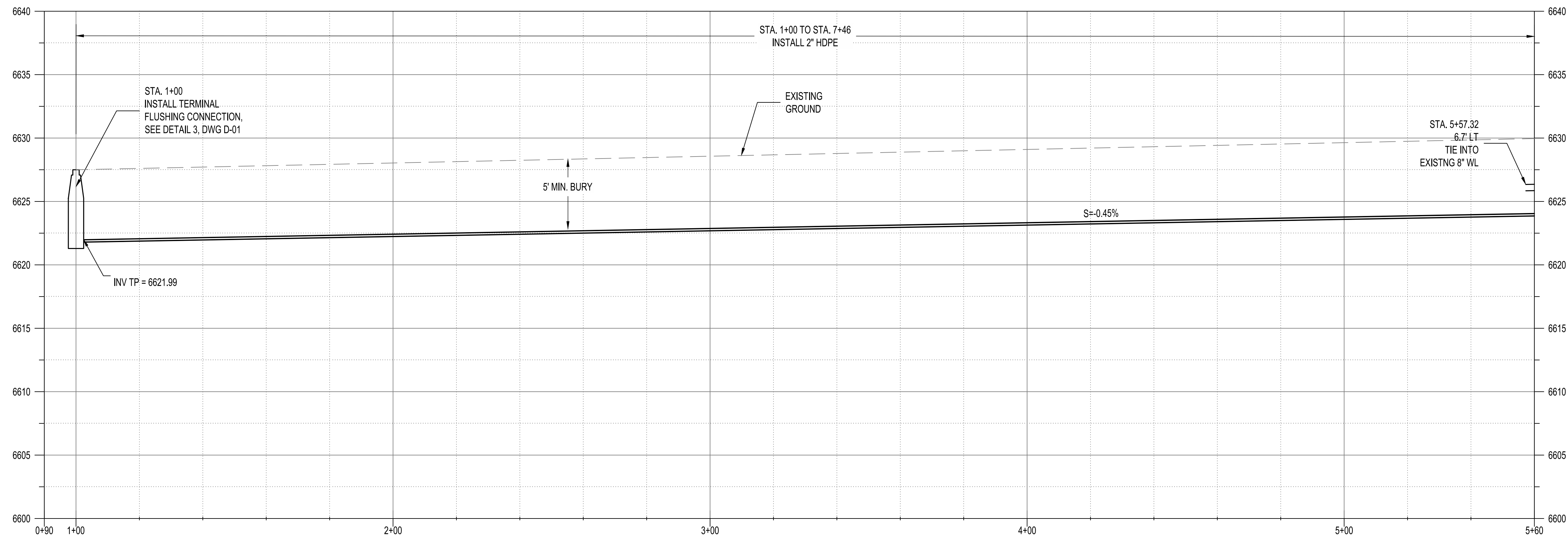
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PAM Y EUTILIA LANE/PASEO MEL SENAIIDA
STA 14+50 TO 18+81.49**

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TERRAZAS LANE STA. 1+00 TO STA. 5+60

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NO.	DATE	REVISIONS	DESIGN

DESIGNED BY	DATE	S.I.C.
	11/19/2024	

CHECKED BY	DATE	AMS
	11/19/2024	

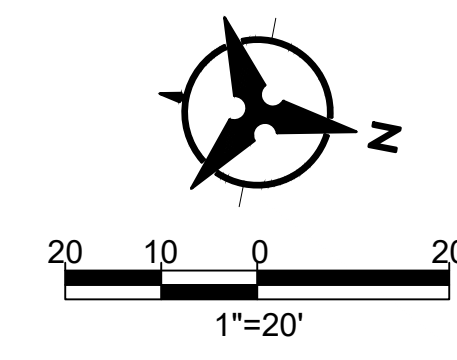
DRAWN BY	DATE	NEC
	11/19/2024	



**AGUA FRIA WASTEWATER IMPROVEMENTS
TERRAZAS LANE
STA 1+00 TO 5+60**

BHI PROJECT NO.	20240315	DWG NO.	WW-07	SHEET	12	OF	24
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 - EXISTING WATER SERVICES SHALL BE REPLACED TO METER CAN. RELOCATE NEW METER IN OLD CAN.
 - ALL MANHOLE COLLARS AND COVERS SHALL BE PLACED 6" BELOW FINISHED GRADE WITH ADJACENT CARBONITE MARKER.
 - CONTRACTOR SHALL COORDINATE TREE TRIMMING AND/OR REMOVAL WITH SANTE FE COUNTY REPRESENTATIVE AND HOME OWNER.

- LEGEND**
- NEW SANITARY SEWER LINE
 - W — NEW WATER LINE
 - W — EXISTING WATER LINE
 - SS — EXISTING SANITARY SEWER
 - PHON — EXISTING COMM LINE (SURVEYED)
 - C — EXISTING COMM LINE
 - UGEL — EXISTING UNDERGROUND ELECTRIC
 - GAS — EXISTING GAS LINE
 - PERMIT BOUNDARY
 - # — EXISTING FENCE

- KEYED NOTES**
- NEW 8" SANITARY SEWER LINE
 - NEW 2" LOW PRESSURE SEWER LINE
 - INSTALL SANITARY SEWER SERVICE LINE
 - CONNECT TO NEW SANITARY SEWER LINE
 - INSTALL 1 - SANITARY SEWER MANHOLE PER CITY OF SANTA FE STANDARD DETAILS ON DWGS. NO. D-02 AND D-06
 - REMOVE AND REPLACE EXISTING FENCE, MATCH EXISTING
 - NOT USED.
 - INSTALL LOW PRESSURE STUB OUT WITH VALVE, SEE DETAIL 2 DWG. NO. D-07
 - INSTALL TERMINAL FLUSHING CONNECTION, SEE DETAIL 1, DWG. NO. D-07
 - INSTALL NEW 8" C900 PVC WATER LINE, SEE DETAIL 01, DWG D-01.
 - EXISTING WATER LINE TO BE REMOVED ONCE NEW WATER LINE IS CONNECTED TO SERVICE LINES.
 - CONNECT LOW PRESSURE LINE TO EXISTING MANHOLE.
 - INLINE FLUSHING STATION PER DETAIL 2, DWG D-06.
 - GAS LINE TO BE RELOCATED IF NECESSARY TO INSTALL NEW SAS OR IN WATERLINE RELOCATION.

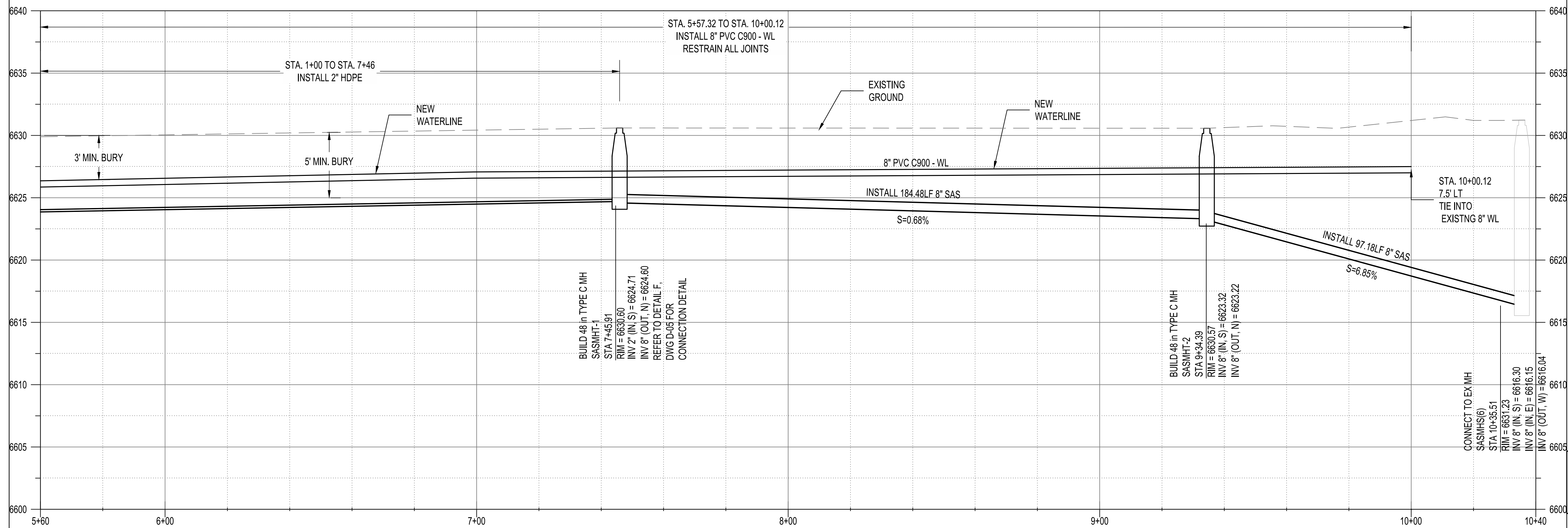
- TRAFFIC CONTROL NOTES**
- CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS DURING NON-WORKING HOURS
 - CONTRACTOR SHALL COVER ANY TRENCHES NIGHTLY.

- CULTURAL RESOURCE NOTES**
- STA 8+85.51 TO STA 10+35.51 WILL REQUIRE THE ARCHEOLOGICAL CONSULTANT TO SUBMIT A MONITORING PLAN TO SHPO FOR REVIEW.

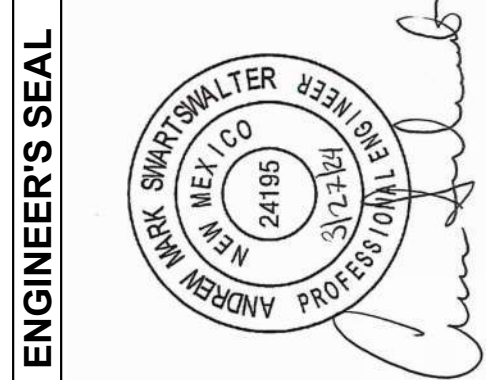
SEWER SERVICE LINES			
HOME OWNER ID/ADDRESS	DOWN-STREAM MH	SAS SERVICE MAIN CONNECTION DISTANCE FROM DOWNSTREAM MH	SERVICE LENGTH
	MH T-2	188.5	
	MH T-2	101.1	
	MH EX	73.3	

TERRAZAS LANE STA. 5+60 TO STA. 10+35.51

PLAN DRAWING SCALE: 1" = 20'
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 5'



NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



AS-BUILT INFORMATION

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

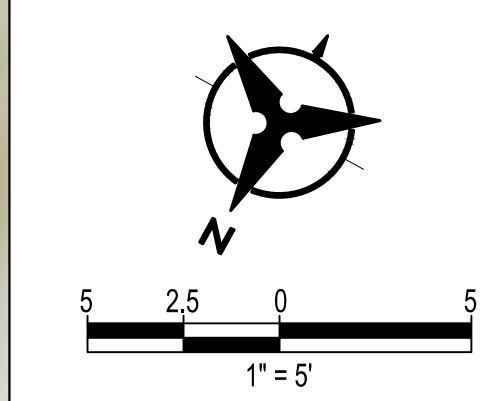
BENCH MARKS

NO.	DATE	REMARKS

NO.	DATE	REVISIONS	DESIGN



Wed, 20-Mar-2024 - 9:45 am, Plotted by: ETHOMPSON
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- GENERAL NOTES:**
- CONTRACTOR SHALL MATCH EXISTING FLOWLINES.
 - CONTRACTOR SHALL INSURE ALL PEDESTRIAN ROUTES ADHERE TO CURRENT PROWAG STANDARDS.

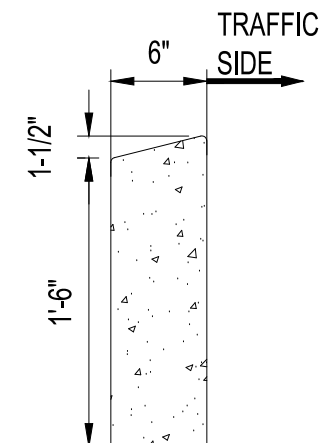
ENGINEER'S SEAL

POINT TABLE

ID	NORTHING	EASTING
1	1694473.22	1709105.67
2	1694487.90	1709133.16
3	1694516.64	1709159.49
4	1694521.08	1709157.19
5	1694515.80	1709146.28
6	1694490.49	1709099.36
7	1694487.86	1709095.91
8	1694484.32	1709088.79
9	1694479.86	1709091.04
10	1694502.30	1709138.16
11	1694483.31	1709102.53

LEGEND

	BASECOURSE
	DRIVEPAD
	SIDEWALK REMOVAL / REPLACEMENT



01 HEADER CURB
SCALE: NOT TO SCALE

AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE

REVISIONS

NO.	DATE	BY	REVISIONS

DESIGN

DESIGNED BY	SJC	DATE	1/19/2024
CHECKED BY	AMS	DATE	1/19/2024
DRAWN BY	NEC	DATE	1/19/2024

Bohannon Huston
www.bhinc.com 800.877.5332

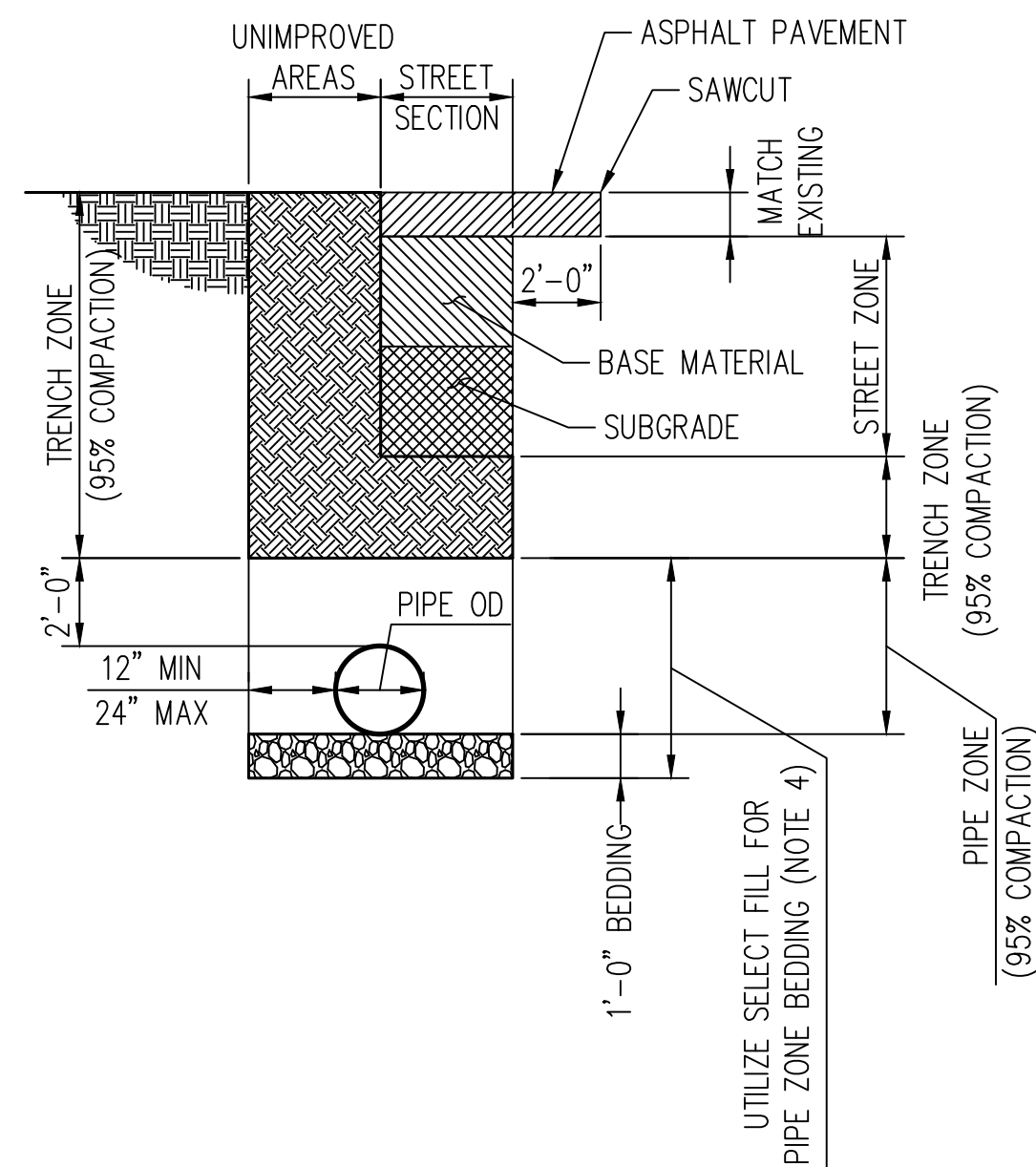
01 CALLE HERNANDEZ DRIVEWAY PLAN
SCALE: NOT TO SCALE

**NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT
ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS
AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR
PAYMENT.**

**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
CALLE HERNANDEZ DRIVEWAY PLAN**

BHI PROJECT NO. 20240315 DWG NO. WW-09 SHEET 15 OF 24

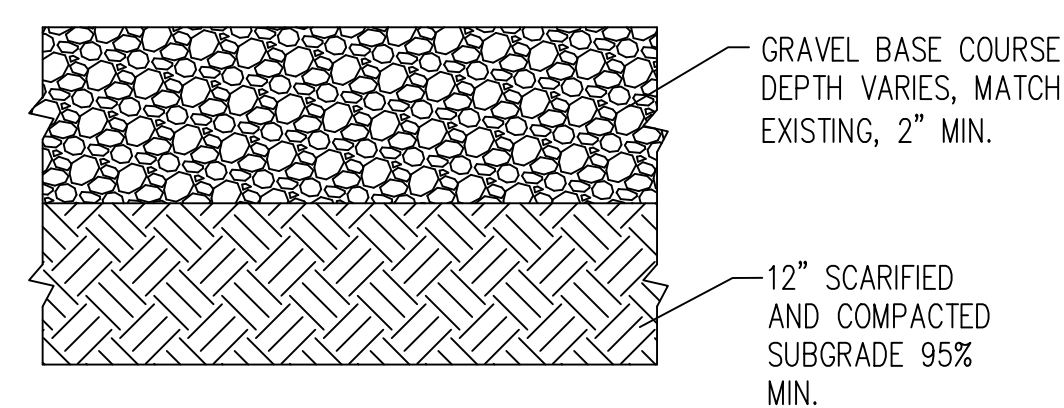
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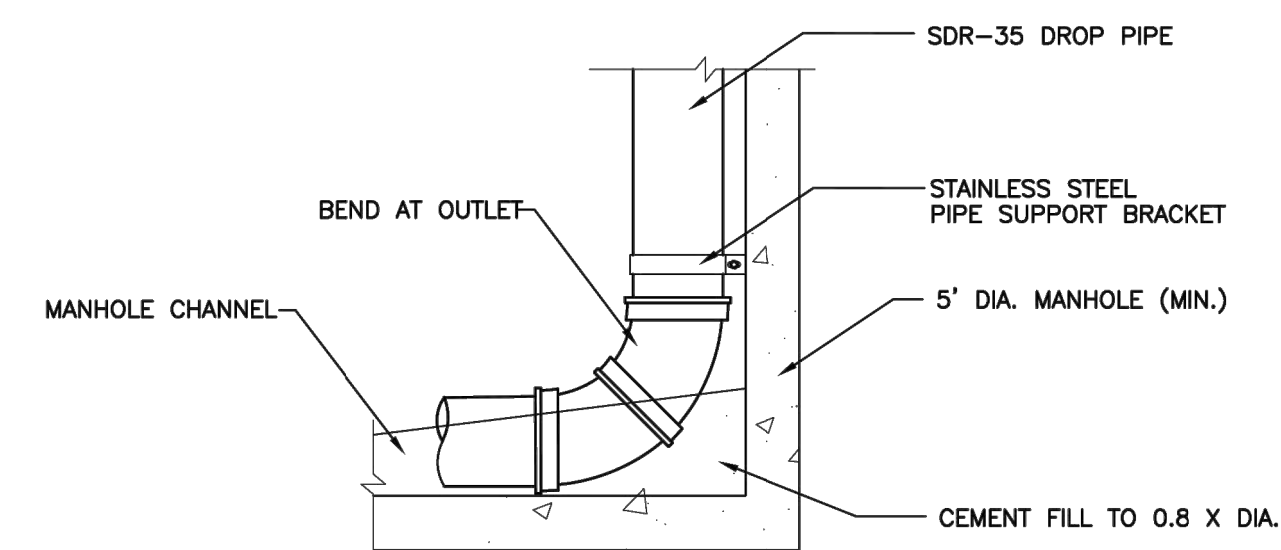
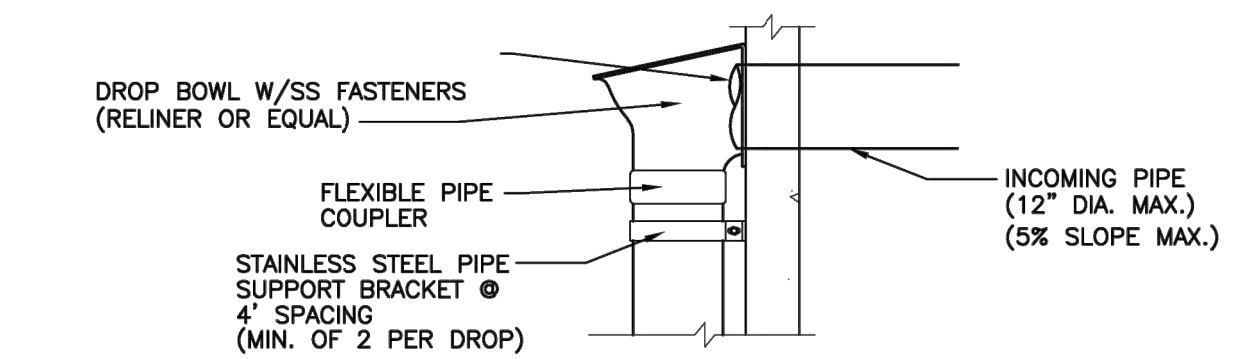
01 TRENCH DETAILS
SCALE: 1" = 50'

NOTES:

1. NMSSPW STANDARD DETAIL 2465 AND SPECIFICATION SECTION 701 APPLY.
2. BEDDING MATERIAL SHALL BE PER NMSSPW SPECIFICATION 701.
3. PIPE INSTALLATION SHALL BE PER NMSSPW SPECIFICATION 801 AND 2300 SERIES STANDARD DRAWINGS.
4. PIPE ZONE MATERIAL SHALL BE CLASS II OR III SOILS (MAX. PARTICLE SIZE OF 1/2 INCH PER NMSSPW SPECIFICATION SECTION 701). TRACER WIRE IS REQUIRED ON ALL WATER MAINS, WATER SERVICE LINES AND PRESSURE SEWER MAINS.
5. INSTALL LOCATOR TAPE 18" BELOW SURFACE.



02 TYPICAL PATCH FOR GRAVEL ROADWAY SECTION
SCALE: NOT TO SCALE



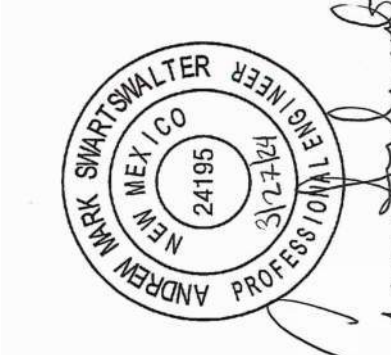
TYPICAL INSTALLATION

NOT TO SCALE

	CITY OF SANTA FE WASTEWATER MANAGEMENT DIVISION	
	SANITARY SEWER STANDARD CONSTRUCTION DETAILS	
DATE: FEBRUARY 2022	REVISIONS	DETAIL SHEET 17
DRAWN BY: PPH	Δ	INSIDE DROP MANHOLE DETAIL
QA/QC REVIEWER BY: PPH	Δ	
APPROVED BY:	Δ	

03 INSIDE DROP MANHOLE DETAIL
SCALE: NOT TO SCALE

ENGINEER'S SEAL



AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

REMARKS

REVISIONS

DESIGN

NO. DATE

SIC

CHECKED BY

DRAWN BY

BY

DATE

DATE

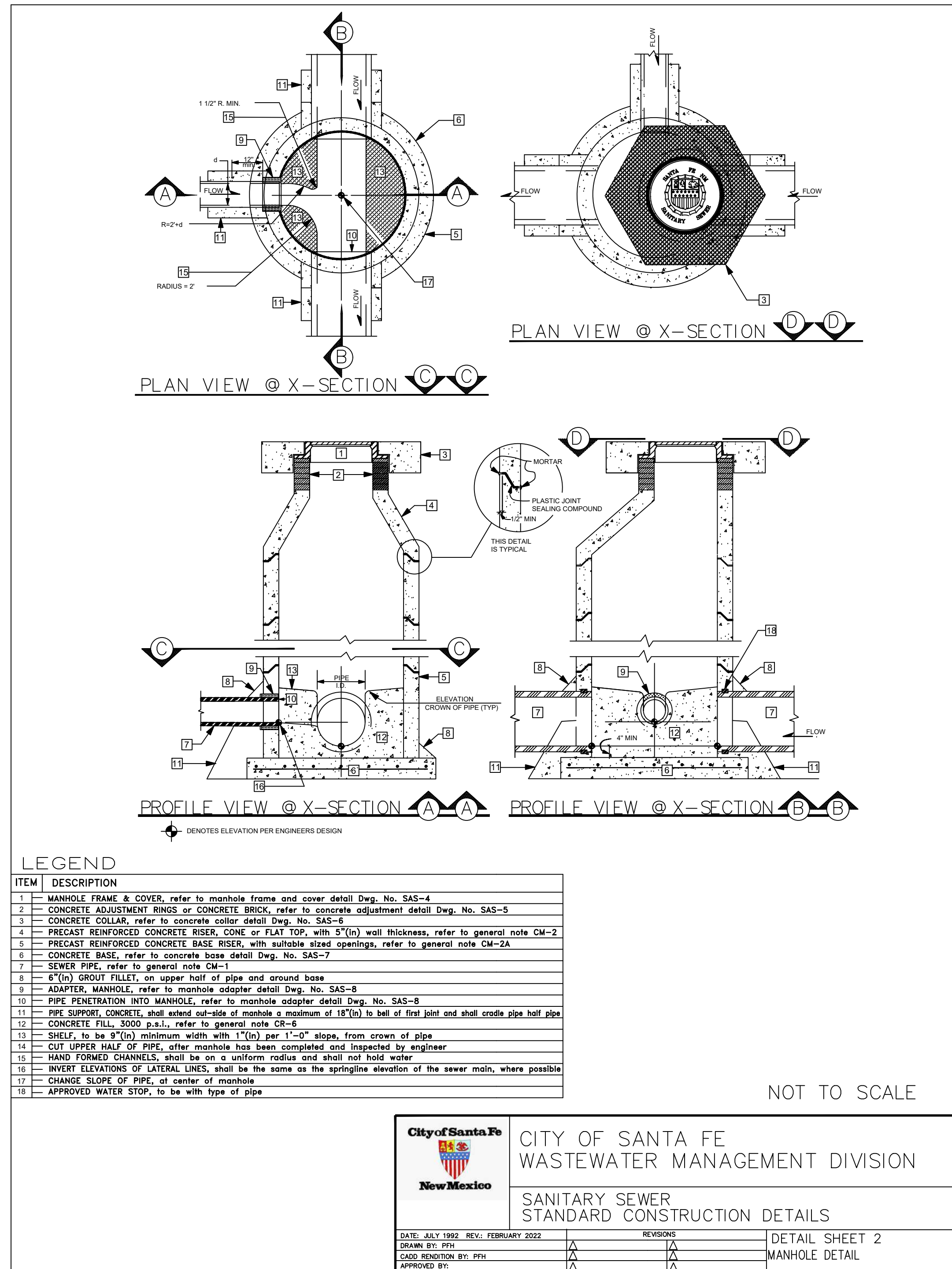
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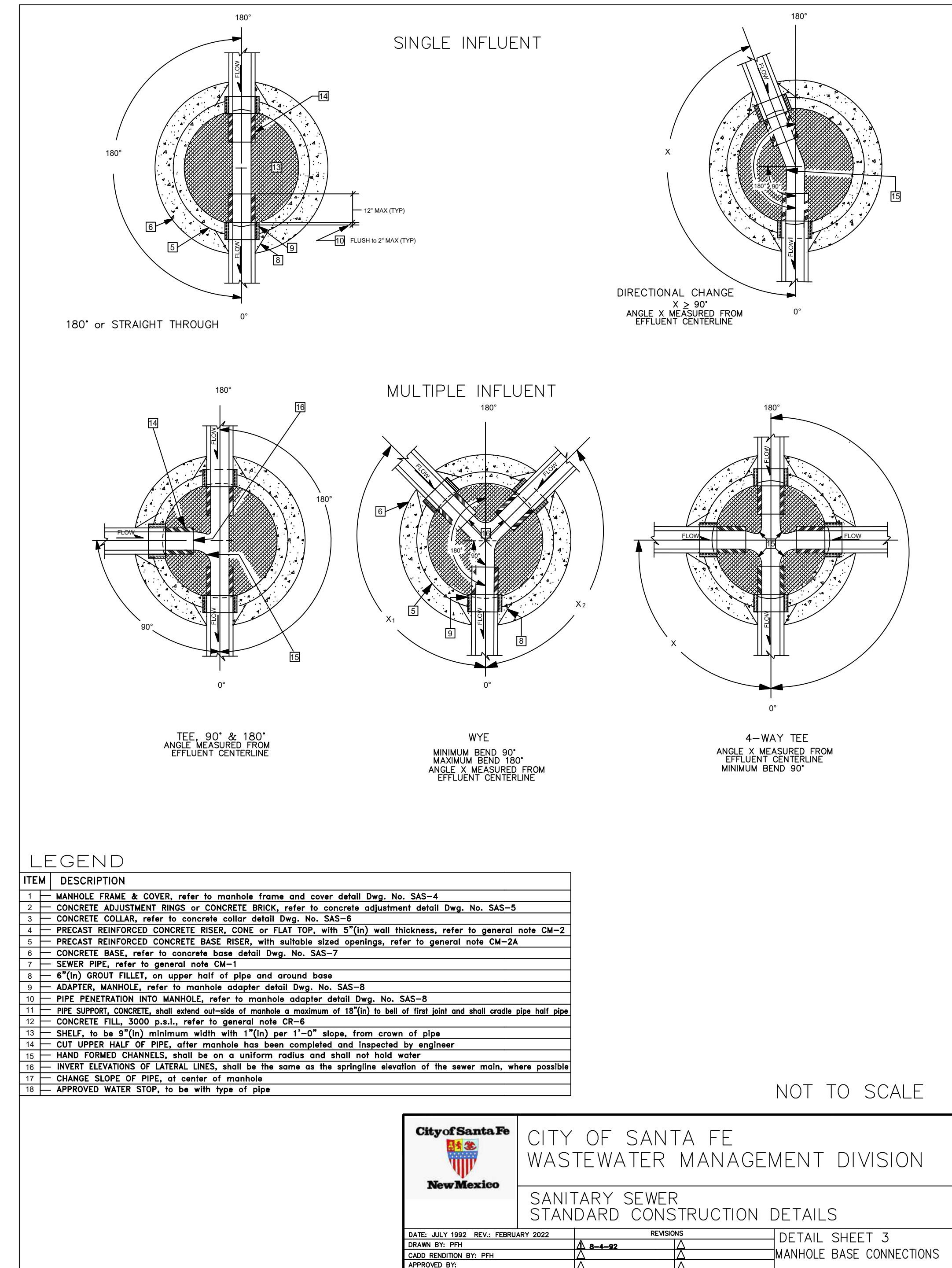
HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
CIVIL DETAILS

BHI PROJECT NO.	20240315	DWG NO.	D-01	SHEET	15	OF	24
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NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



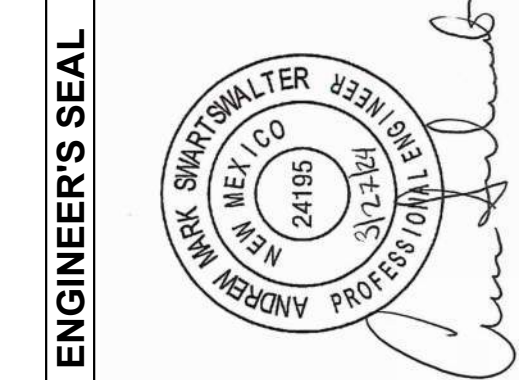
01 MANHOLE DETAILS
SCALE: NOT TO SCALE



02 MANHOLE BASE CONNECTIONS
SCALE: NOT TO SCALE

City of Santa Fe
New Mexico
CITY OF SANTA FE
WASTEWATER MANAGEMENT DIVISION
SANITARY SEWER
STANDARD CONSTRUCTION DETAILS
DATE: JULY 1992 REV.: FEBRUARY 2022
DRAWN BY: PPH
CADD REVISION BY: PPH
APPROVED BY: [Signature]
REVISIONS
DETAIL SHEET 2
MANHOLE DETAIL

City of Santa Fe
New Mexico
CITY OF SANTA FE
WASTEWATER MANAGEMENT DIVISION
SANITARY SEWER
STANDARD CONSTRUCTION DETAILS
DATE: JULY 1992 REV.: FEBRUARY 2022
DRAWN BY: PPH
CADD REVISION BY: PPH
APPROVED BY: [Signature]
REVISIONS
DETAIL SHEET 3
MANHOLE BASE CONNECTIONS



ENGINEER'S SEAL

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

BENCH MARKS

AS-BUILT INFORMATION

REMARKS

NO.	DATE	BY	

DESIGNED BY	SJC	CHECKED BY	AMS	DRAWN BY	NEC

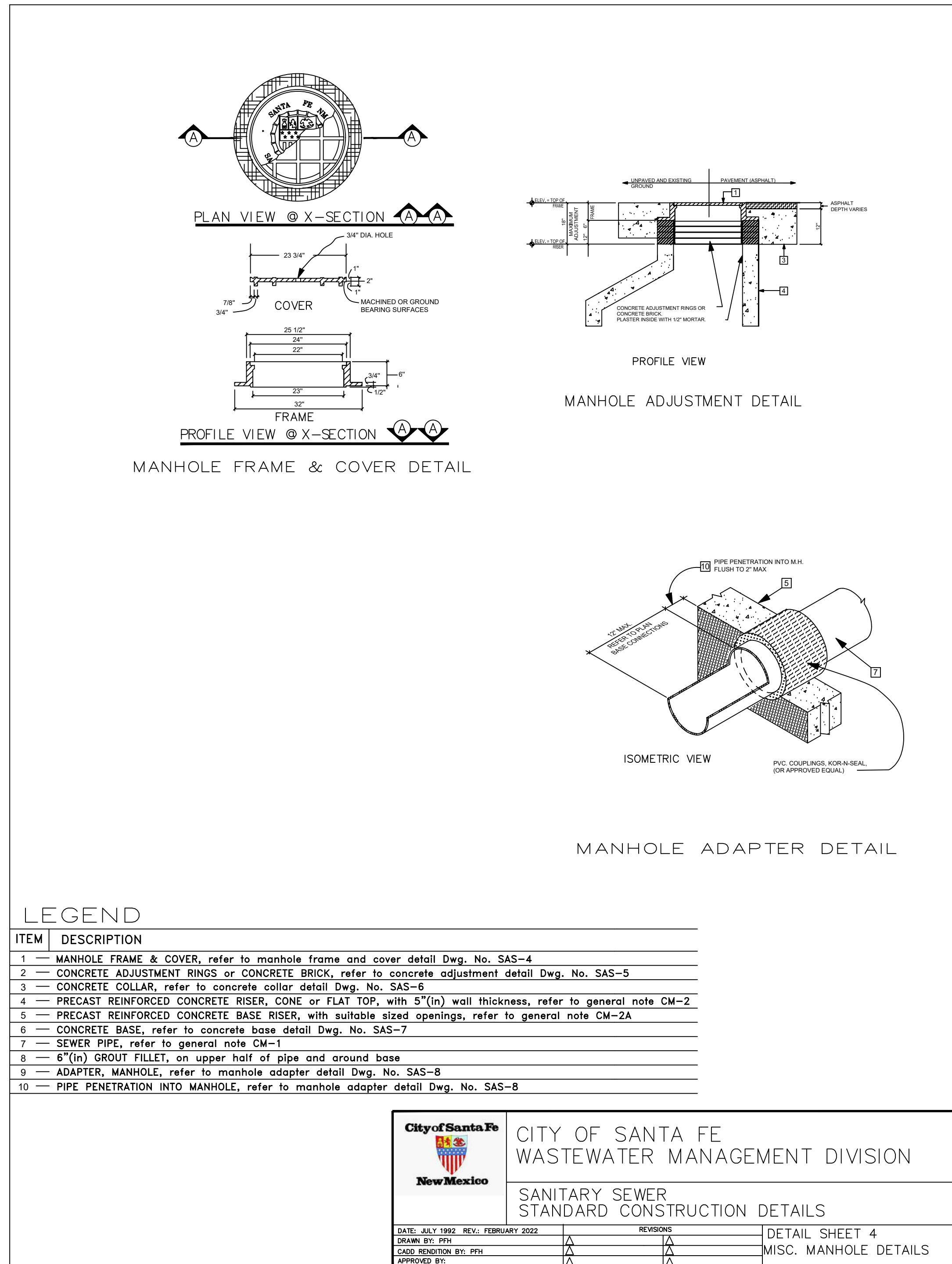


**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
SANITARY SEWER CONSTRUCTION DETAILS**

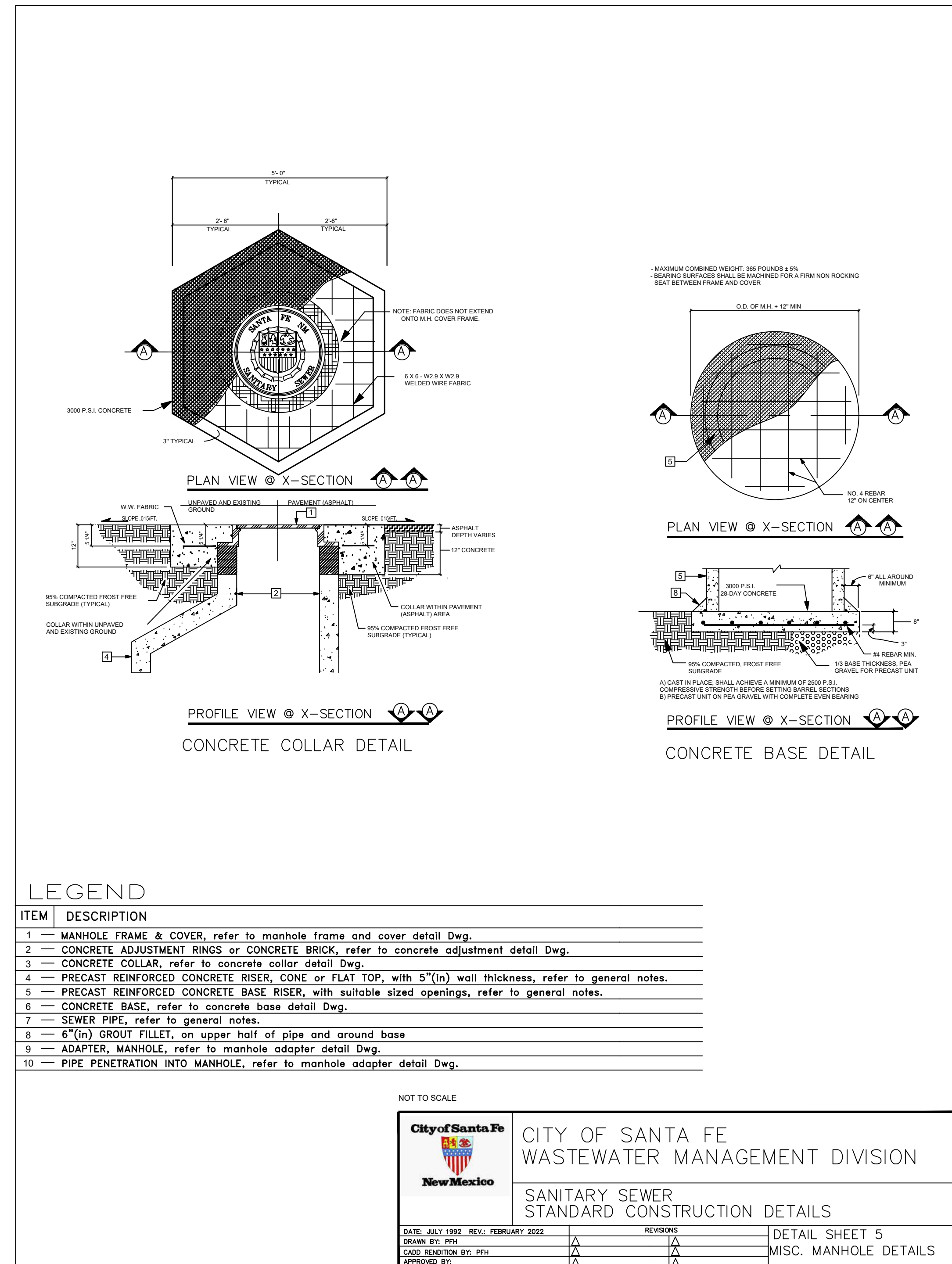
BHI PROJECT NO. 20240315 DWG NO. D-02 SHEET 16 OF 24

**NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT
ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS
AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR
PAYMENT.**

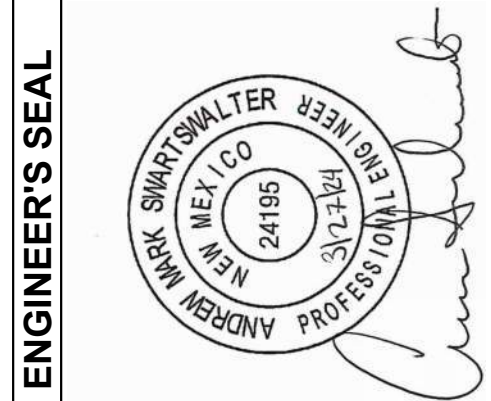
Wed, 25-Mar-2024 - 9:45am, Plotted by: ETHAN WILSON
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01 MISCELLANEOUS MANHOLE DETAILS
SCALE: NOT TO SCALE



02 MISCELLANEOUS MANHOLE DETAILS
SCALE: NOT TO SCALE



ENGINEER'S SEAL

AS-BUILT INFORMATION

BENCH MARKS

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTORS ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

NO.	DATE	REMARKS	DESIGNED BY	DATE	CHECKED BY	DATE	DRAWN BY	DATE

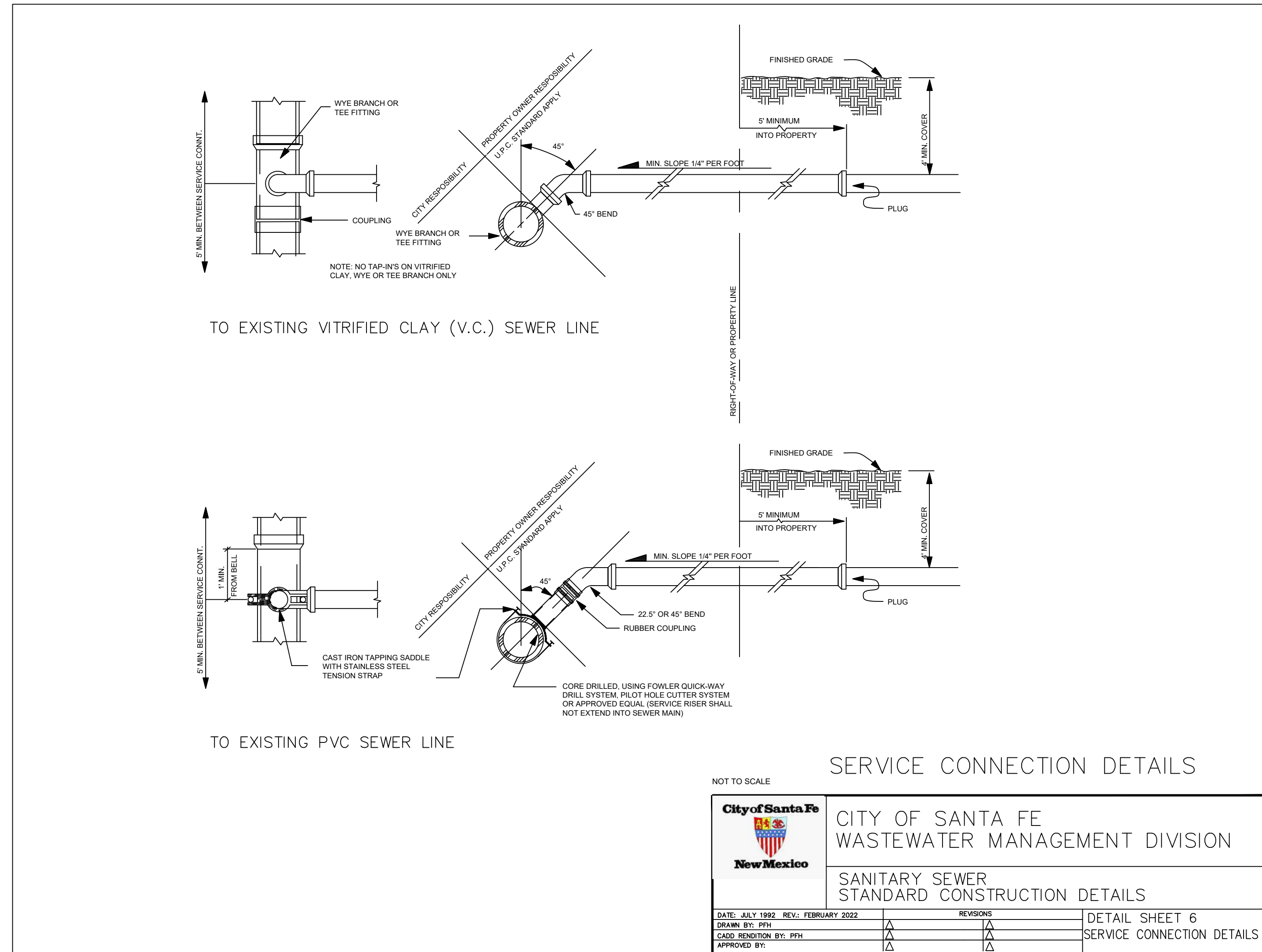


**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
SANITARY SEWER CONSTRUCTION DETAILS**

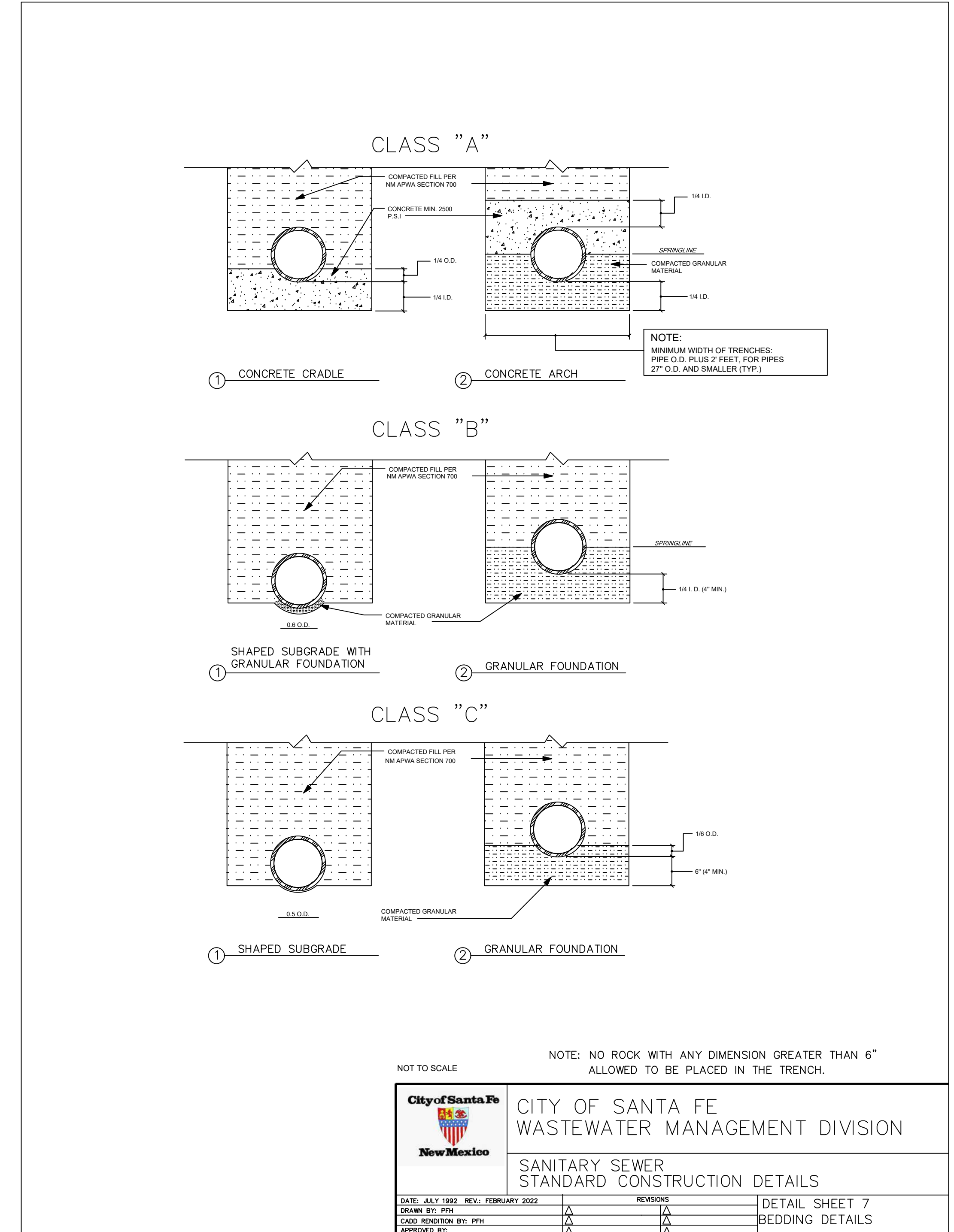
BHI PROJECT NO. 20240315 DWG NO. D-03 SHEET 17 OF 24

**NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT
ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS
AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR
PAYMENT.**

Wed, 25-Mar-2024 - 9:45am. Plotted by: BTH/IMPSON
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01 SERVICE CONNECTION DETAILS
SCALE: NOT TO SCALE



02 BEDDING DETAILS
SCALE: NOT TO SCALE

NOT TO SCALE

City of Santa Fe
New Mexico

CITY OF SANTA FE
WASTEWATER MANAGEMENT DIVISION

SANITARY SEWER
STANDARD CONSTRUCTION DETAILS

DATE: JULY 1992	REV: FEBRUARY 2022	REVISIONS	DETAIL SHEET 6
DRAWN BY: PPH		Δ	
CADD REVISION BY: PPH		Δ	
APPROVED BY:		Δ	

SERVICE CONNECTION DETAILS

NOT TO SCALE

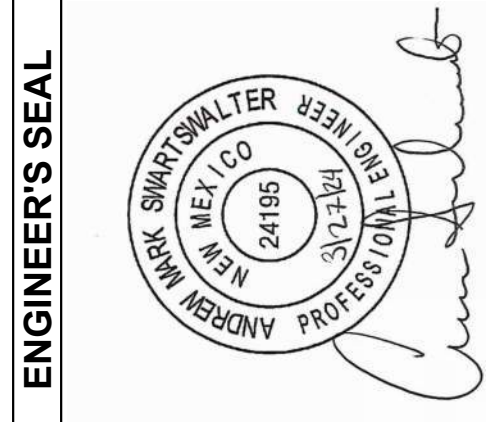
City of Santa Fe
New Mexico

CITY OF SANTA FE
WASTEWATER MANAGEMENT DIVISION

SANITARY SEWER
STANDARD CONSTRUCTION DETAILS

DATE: JULY 1992	REV: FEBRUARY 2022	REVISIONS	DETAIL SHEET 7
DRAWN BY: PPH		Δ	
CADD REVISION BY: PPH		Δ	
APPROVED BY:		Δ	

BEDDING DETAILS



AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE	BY
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REMARKS

NO.	DATE	BY
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DESIGN

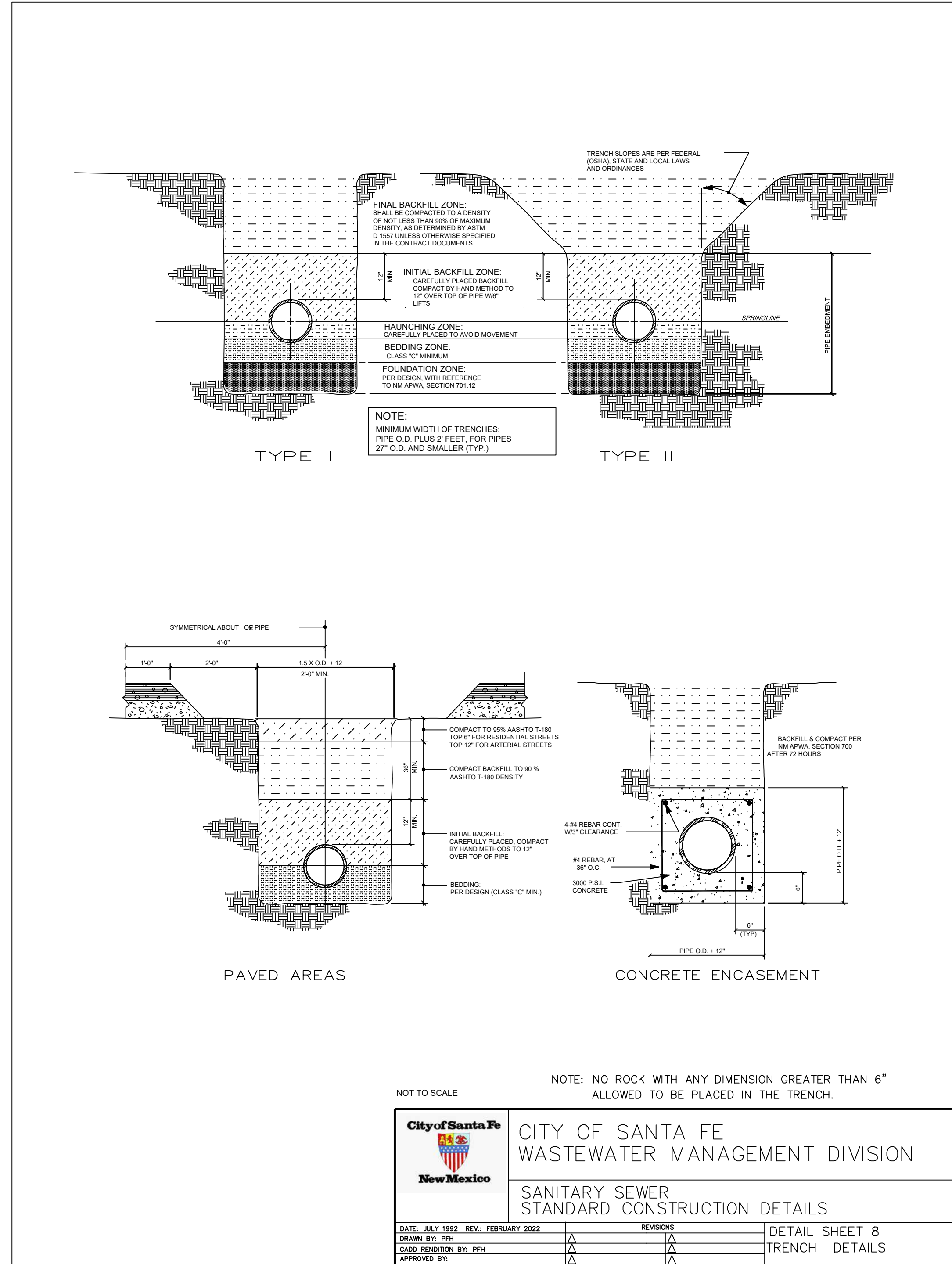
DESIGNED BY	S/C	DATE
CHECKED BY	AMS	DATE
DRAWN BY	NEC	DATE



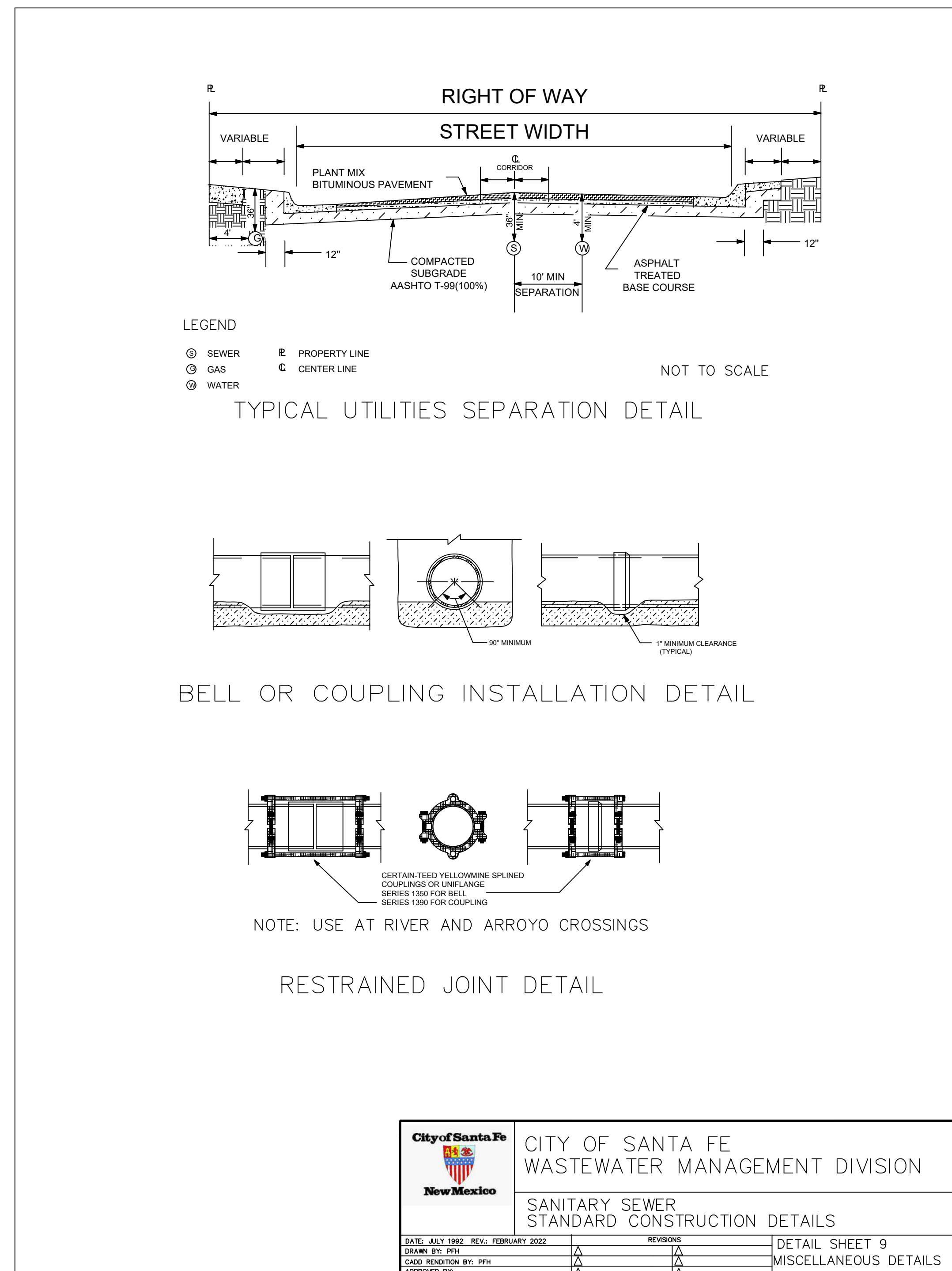
**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
SANITARY SEWER CONSTRUCTION DETAILS**

BHI PROJECT NO.	20240315	DWG NO.	D-04	SHEET	18	OF	24
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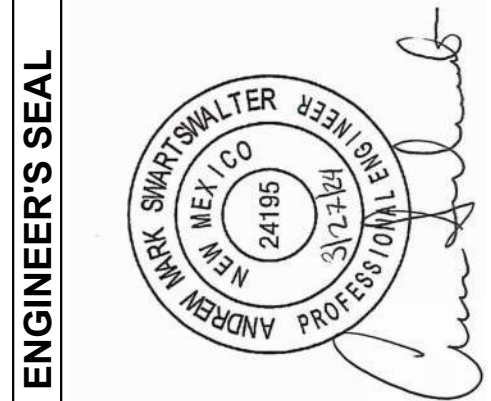
**NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT
ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS
AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR
PAYMENT.**



01 TRENCH DETAILS
SCALE: NOT TO SCALE



02 MISCELLANEOUS DETAILS
SCALE: NOT TO SCALE



AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE	BY
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REVISIONS

NO.	DATE	BY
DESIGN	1/19/2024	
	1/19/2024	
	1/19/2024	

REMARKS

NO.	DATE	BY
DESIGNED BY	SIC	
CHECKED BY	ANIS	
DRAWN BY	NEC	



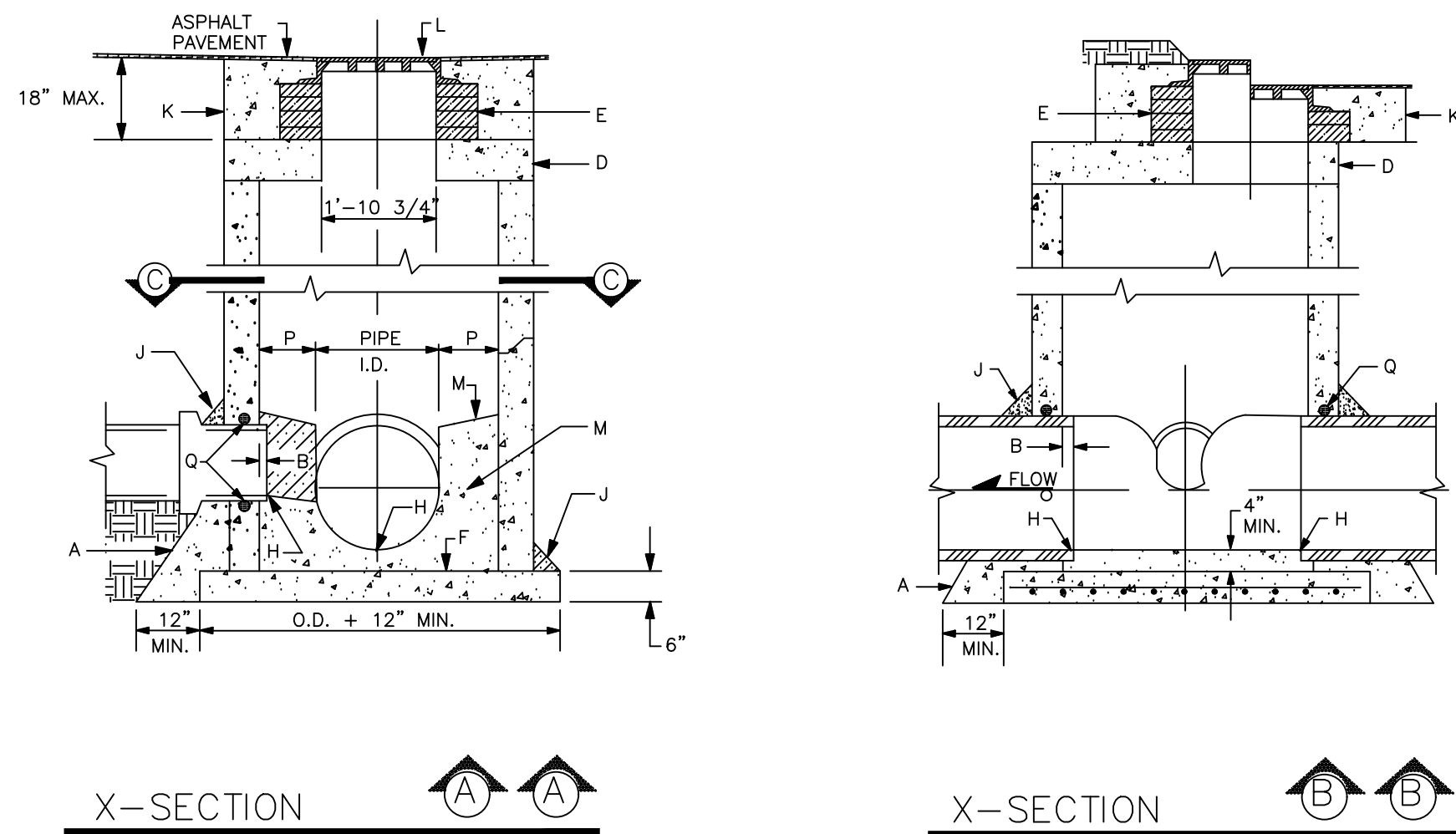
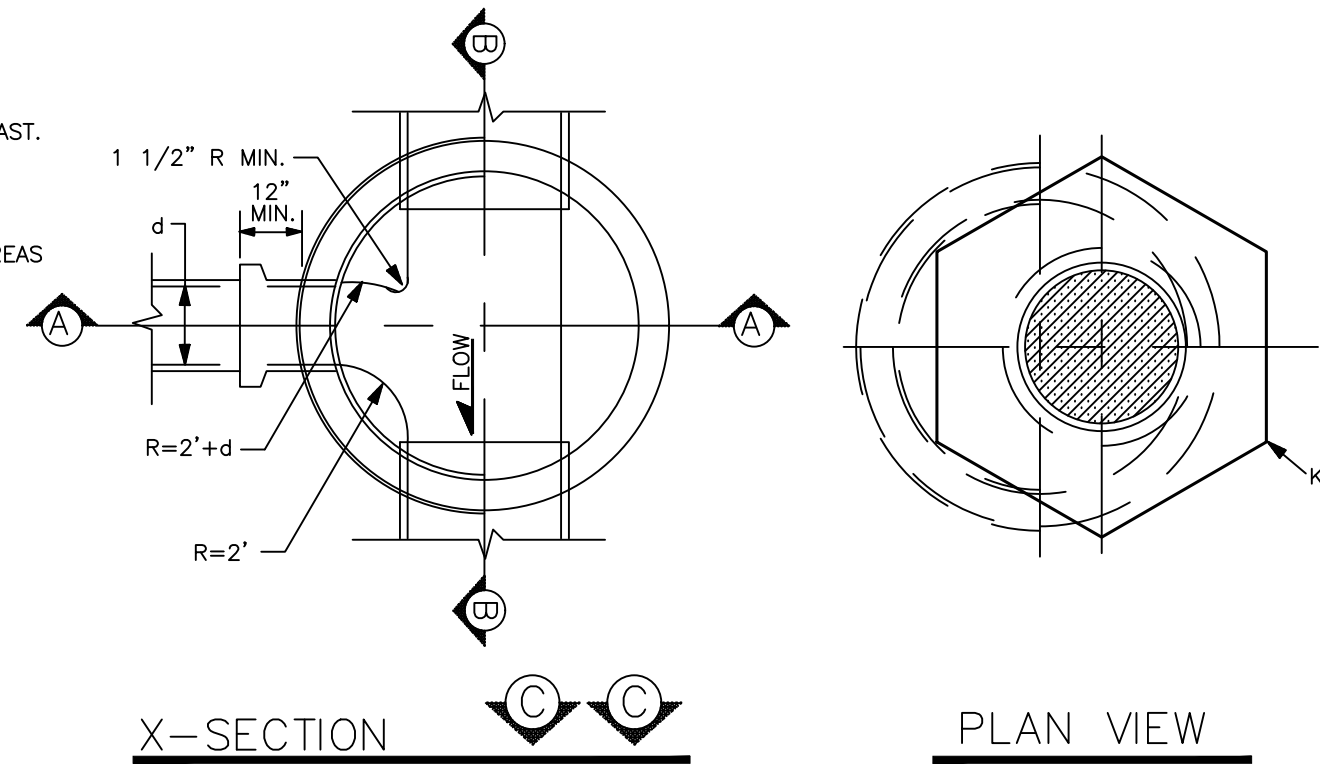
NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HISTORIC VILLAGE OF AGUA FRIA WASTEWATER IMPROVEMENTS SANITARY SEWER CONSTRUCTION DETAILS

BHI PROJECT NO.	20240315	DWG NO.	D-05	SHEET	19	OF	24
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CONSTRUCTION NOTES

- A. CONCRETE PIPE SUPPORT SHALL EXTEND OUTSIDE OF M.H. TO BELL OF FIRST JOINT & SHALL CRADLE PIPE TO SPRING LINE. NOT APPLICABLE FLEXIBLE PIPE.
- B. PIPE PENETRATION INTO MANHOLE SHALL BE FLUSH TO 2" MAX., MEASURED AT SPRING LINE OF PIPE.
- D. PRECAST CONCRETE COVER
- E. USE MAX. 4 CONCRETE ADJ. RINGS ON UNPAVED STREET FOR FUTURE ADJ. OF M.H. FRAME TO PAVEMENT GRADE. PLASTER INSIDE WITH 1/2" MORTAR.
- F. CONCRETE BASE TO BE POURED IN PLACE USING NO. 4 BARS AT 6" O.C. EA. WAY FOR M.H. DEPTH OF 18" OR GREATER. NO 4 BARS AT 12" O.C. EA. WAY FOR M.H. LESS THAN 18" IN DEPTH OR PRECAST.
- H. INV. ELEV. OF STUB OR LATERAL AS SHOWN ON PLANS.
- J. 6" GROUT FILLET ON UPPER HALF OF PIPE AND AROUND BASE.
- K. USE A 5" DIA. HEXAGON CONCRETE PAD IN ALL AREAS SLOPE FOR GRADER USE UNPAVED AREAS.
- L. FRAME AND COVER, SEE DWG. # SAS-4
- M. CONCRETE FILL, 3000 PSI
- N. SLOPE 1" PER FT. FROM PIPE CROWN
- P. SHELF TO BE 9" WIDE MIN.
- Q. KOR-N-SEAL GASKET OR APPROVED EQUAL.

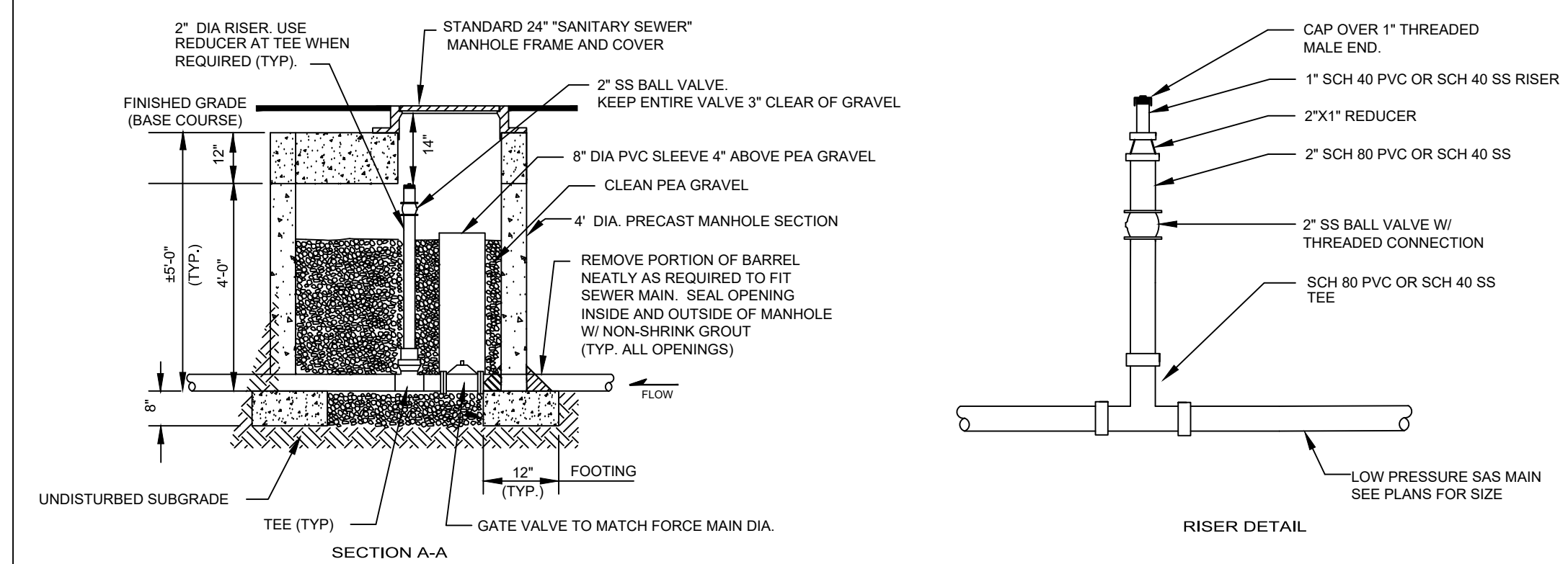
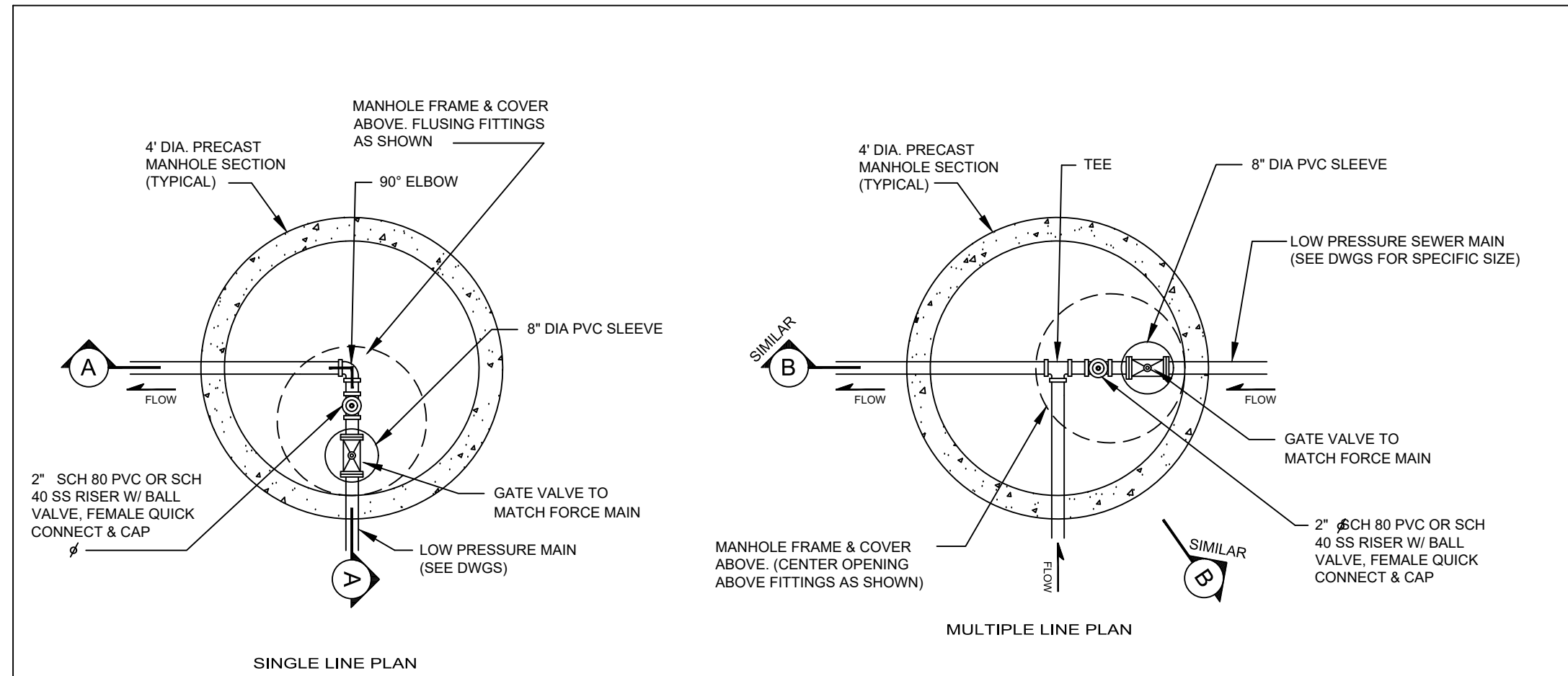


GENERAL NOTES

- 1. USE APPROVED MASTIC JOINT MATERIAL FOR ALL JOINTS.
- 2. CONTRACTOR HAS OPTION TO CONSTRUCT TYPE "C" M.H. IN LIEU OF TYPE "E" M.H. FOR DEPTHS OF 6' OR MORE.
- 3. DESIGN APPLIES TO 4', 6' & 8' MANHOLES.
- 4. M.H. GREATER THAN 18" IN DEPTH SHALL ONLY BE CONSTRUCTED OF PRECAST CONCRETE SECTION.
- 5. USE NON-SHRINK GROUT FOR FILLETS AND PENETRATIONS.
- 6. POSITION M.H. OPENING OVER THE UPSTREAM SIDE OF MAIN LINE.

<p>CITY OF SANTA FE WASTEWATER MANAGEMENT DIVISION</p>	
<p>SANITARY SEWER STANDARD CONSTRUCTION DETAILS</p>	
DATE: JULY 1992	REV: FEBRUARY 2022
DRAWN BY: PPH	REVISIONS
CADD REVISION BY: PPH	REVISIONS
APPROVED BY:	REVISIONS
DETAIL SHEET 10	
MANHOLE TYPE "C" DETAIL	

01 MANHOLE TYPE "C" DETAIL
SCALE: NOT TO SCALE

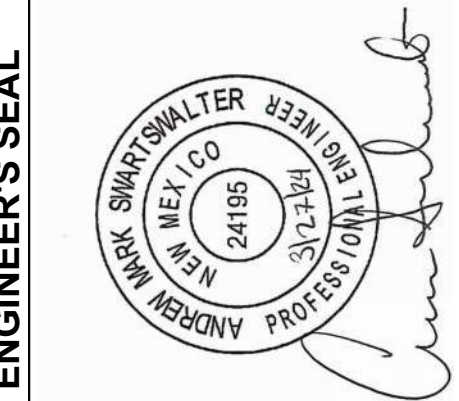


GENERAL NOTES

- FOR DETAILS OF MANHOLE FRAMES, COVERS AND GENERAL CONSTRUCTION NOTES, SEE DETAIL DRAWINGS. MANHOLES SHALL HAVE NO STEPS.
- CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OR CATALOG CUTS OF VALVES TO ENGINEER PRIOR TO INSTALLATION.
- PROVIDE METALLIC LOCATE-TAPE 12" ABOVE LOW PRESSURE SEWER MAIN LINE.
- HOMEOWNER SHALL CONTACT THE LOCAL REPRESENTATIVE FOR ENVIRONMENT ONE D-SERIES GRINDER PUMP, ACCESSORIES, INSTALLATION INSTRUCTIONS, OPERATING INSTRUCTIONS, INSPECTION AND WARRANTY START-UP. OTHER PUMP MANUFACTURERS SHALL NOT BE ACCEPTABLE.
- ALL FITTINGS & PIPE SHALL BE SCH 80 PVC OR SCH 40 SS WITHIN MANHOLE. TRANSITION TO MATERIAL FOR LPSS OUTSIDE MANHOLE.

<p>CITY OF SANTA FE WASTEWATER MANAGEMENT DIVISION</p>	
<p>SANITARY SEWER STANDARD CONSTRUCTION DETAILS</p>	
DATE: JULY 1992	REV: FEBRUARY 2022
DRAWN BY: PPH	REVISIONS
CADD REVISION BY: PPH	REVISIONS
APPROVED BY:	REVISIONS
DETAIL SHEET 13	
LP IN-LINE FLUSHING CONNECTION	

02 LOW PRESSURE INLINE FLUSHING STATION
SCALE: NOT TO SCALE



AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE	BY

REMARKS

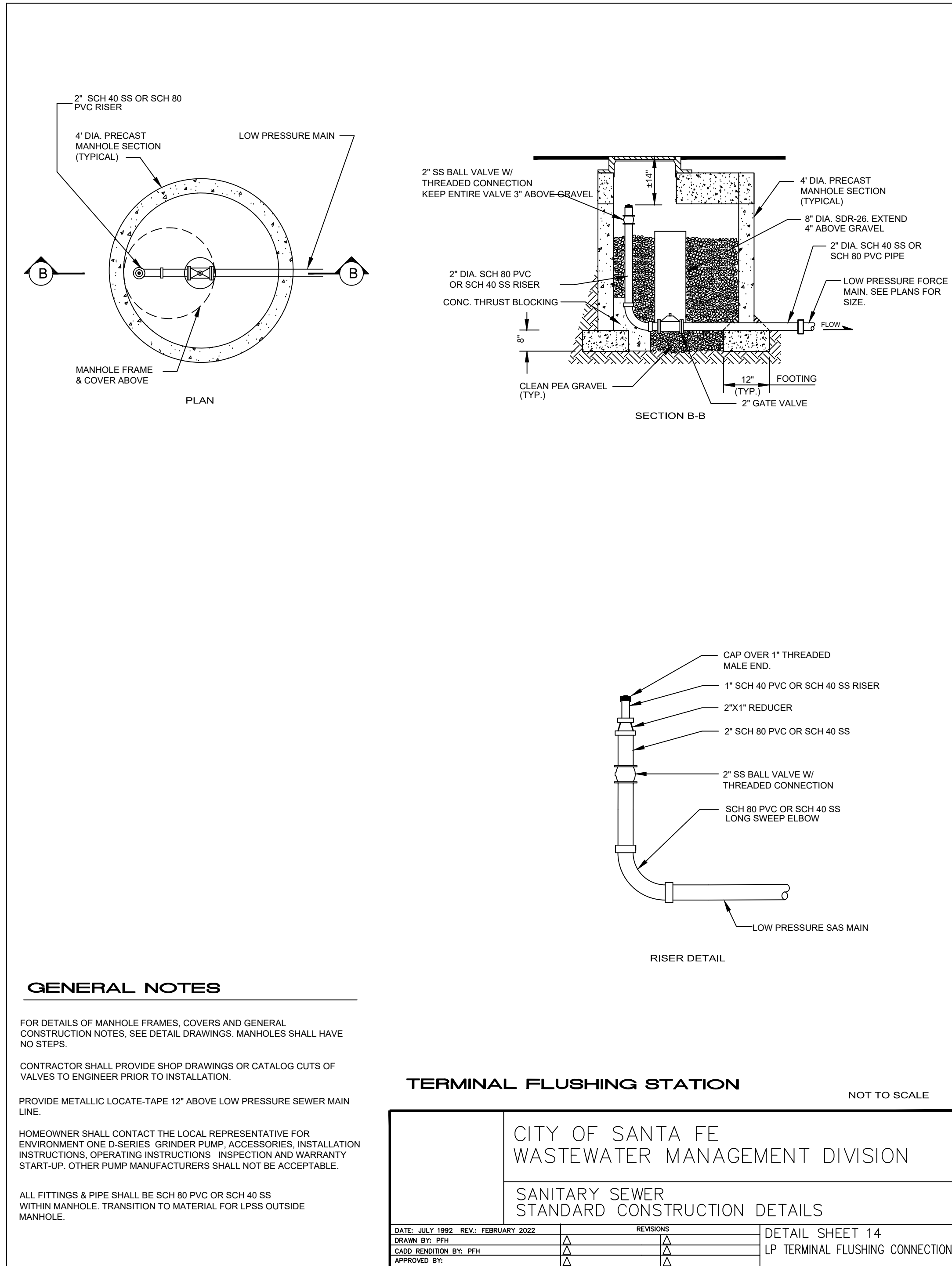
NO.	DATE	BY

DESIGNED BY	SJC
CHECKED BY	AMS
DRAWN BY	NEC

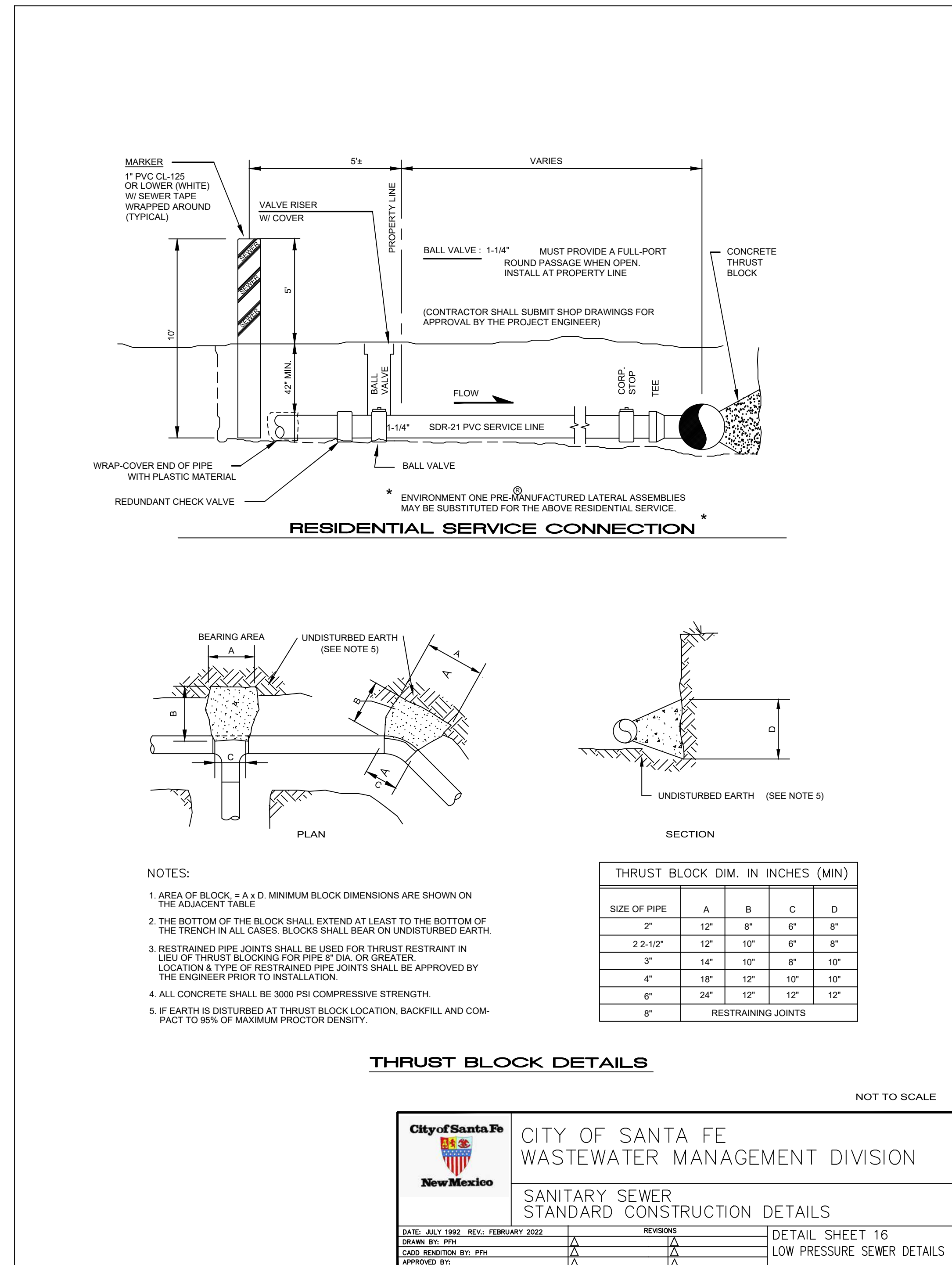


NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

HISTORIC VILLAGE OF AGUA FRIA WASTEWATER IMPROVEMENTS	
SANITARY SEWER CONSTRUCTION DETAILS	
BHI PROJECT NO.	20240315
DWG NO.	D-06
SHEET	20 OF 24



01 LP TERMINAL FLUSHING CONNECTION
SCALE: NOT TO SCALE



02 LOW PRESSURE SEWER DETAILS
SCALE: NOT TO SCALE

ENGINEER'S SEAL



AS-BUILT INFORMATION

CONTRACTOR	DATE	DATE	DATE	DATE	DATE
WORK STARTED BY					
INSPECTORS ACCEPTANCE BY					
FIELD VERIFICATION BY					
DRAWINGS CORRECTED BY					

BENCH MARKS

NO.	DATE	BY

REMARKS

NO.	DATE	BY	DATE

DESIGNED BY: SLC
CHECKED BY: AMS
DRAWN BY: NEC

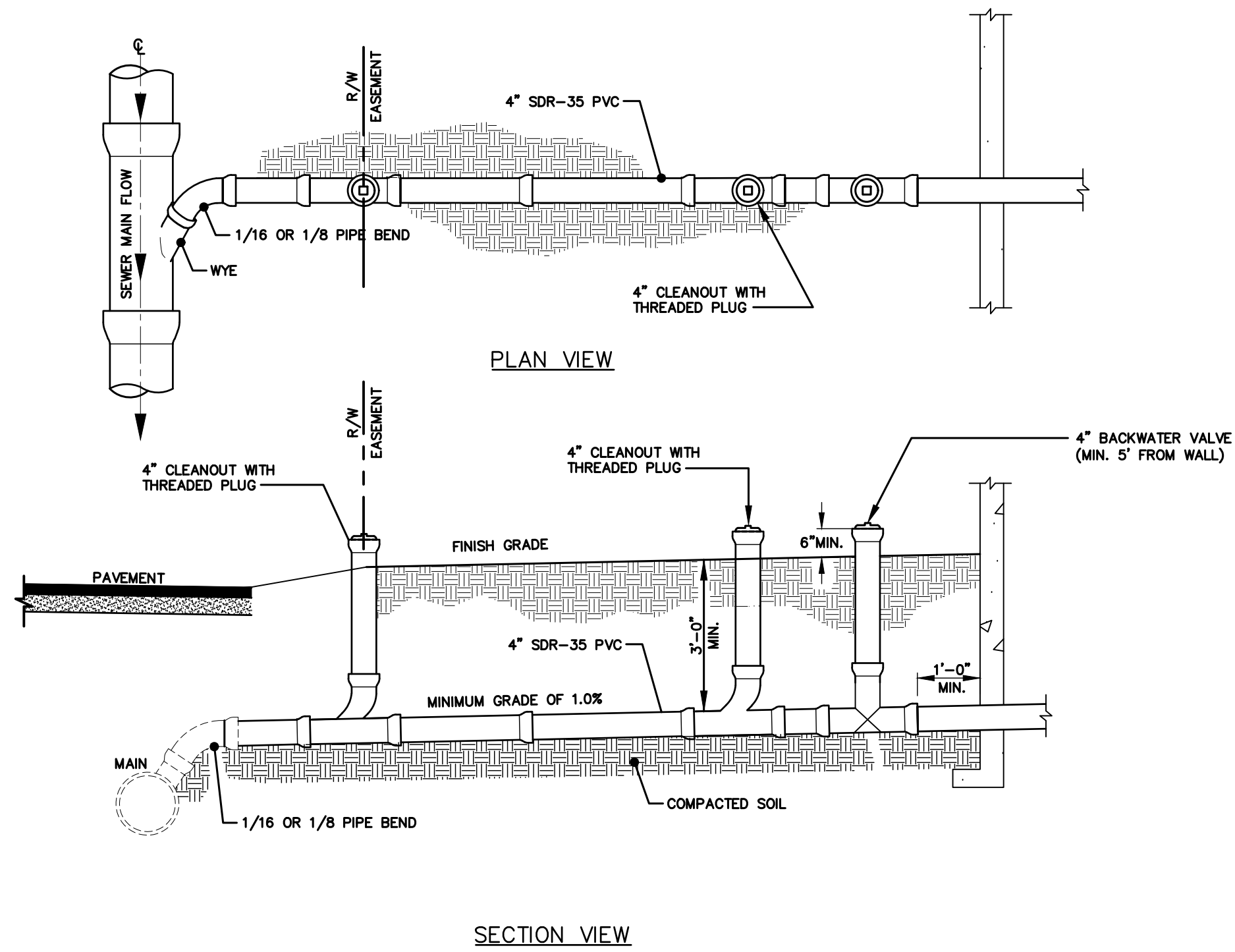


**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
SANITARY SEWER CONSTRUCTION DETAILS**

BHI PROJECT NO. 20240315 DWG NO. D-07 SHEET 21 OF 24

**NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT
ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS
AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR
PAYMENT.**

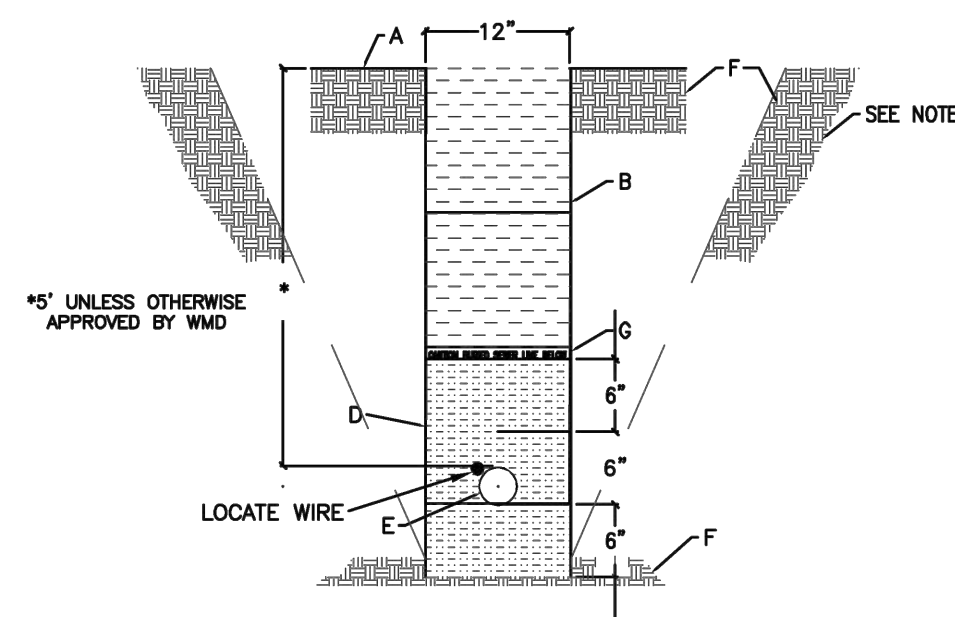
Wed, 25-Mar-2024 - 9:46am, Plotted by: BTHOMPSON
P:\20240315\WSDesign\Rev\20240315_07_Civil Details.dwg



- NOTES:**
- CLEANOUT SHALL BE PLACED AT RIGHT-OF-WAY OR EDGE OF EASEMENT AND EVERY 50 FEET (MINIMUM 2).
 - DO NOT INSTALL CLEANOUT INSIDE A FENCE.
 - CONNECTIONS TO 15 INCH OUTFALLS AND GREATER MUST BE MADE INTO MANHOLE.
 - APPROVED MARKING TAPE SHALL BE INSTALLED FOR ALL SERVICE CONNECTIONS FROM THE MAIN LINE TO THE CLEANOUT FOR ALL NEW CONSTRUCTION OR RETROFIT INSTALLATIONS USING OPEN TRENCH METHODS.
 - IN LINE WYE ON SEWER GRAVITY MAIN IS REQUIRED FOR SERVICES INSTALLED WITH NEW CONSTRUCTION WHEN PARCEL AND SERVICE LOCATIONS ARE KNOWN AND IDENTIFIED ON APPROVED PLANS.

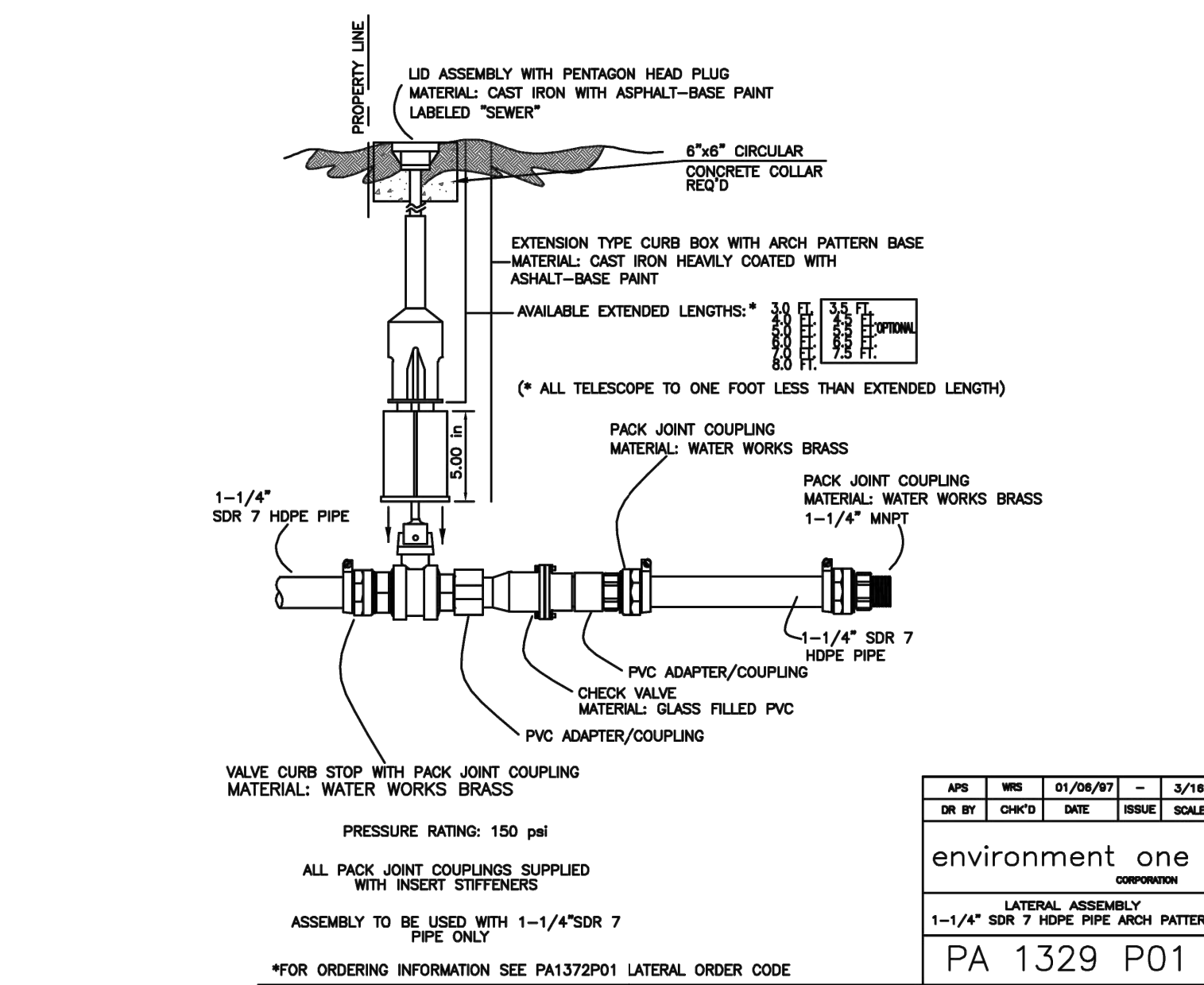
CITY OF SANTA FE WASTEWATER MANAGEMENT DIVISION	
SANITARY SEWER STANDARD CONSTRUCTION DETAILS	
DATE: JULY 1992 REV: FEBRUARY 2022	REVISIONS
DRAWN BY: PPH	1
CADD REVISION BY: PPH	2
APPROVED BY:	3
DETAIL SHEET 18	
BUILDING SEWER DETAIL	

01 BUILDING SEWER DETAIL
SCALE: NOT TO SCALE

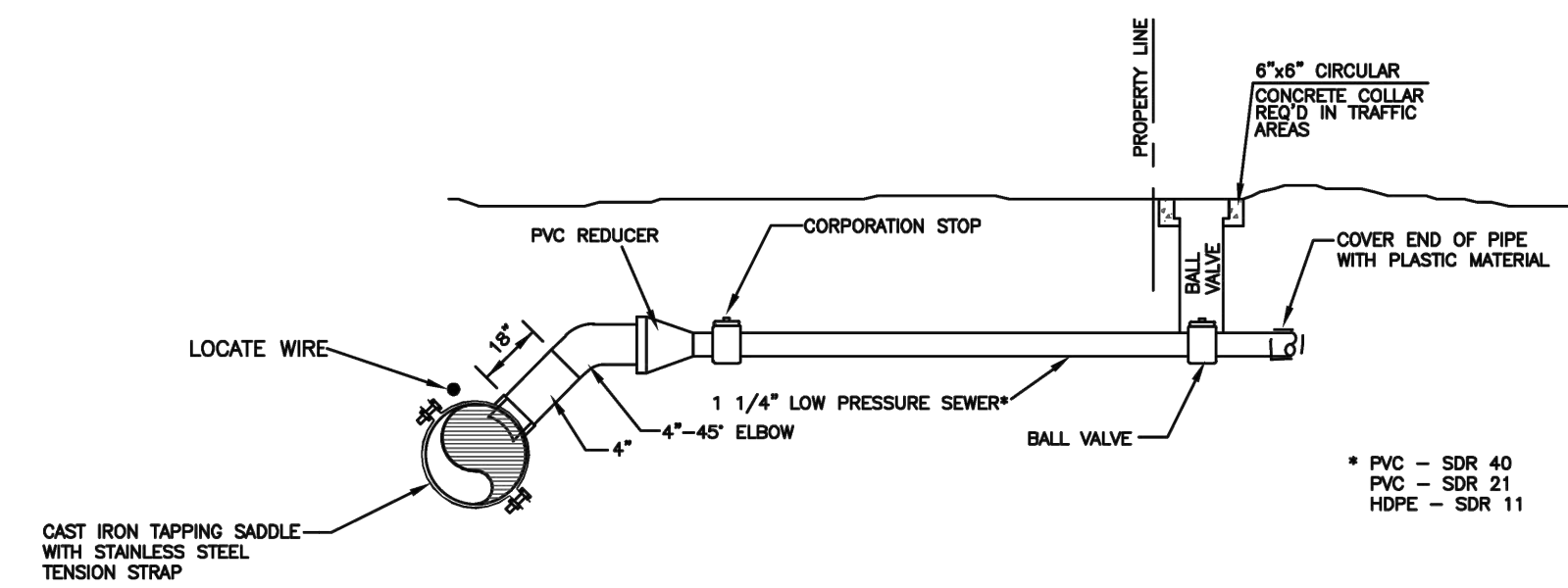


- LEGEND**
- Existing grade
 - Backfill with excavated material unless selected material is ordered by engineer.
 - Specific depth as defined by engineer for installation site (freeze protection, etc...)
 - Backfill with select material in lifts as shown to 90% standard proctor density.
 - PVC sewer pipe
 - Undisturbed earth.
 - Locate tape labeled sewer
 - Locate wires to be installed as per general notes into flushing connections, terminal flushing connections and manholes. Locate wire to be continuous insulated 12 gauge solid copper wire.
- NOTE:** All trenching shall meet OSHA requirements for ditch slopes.

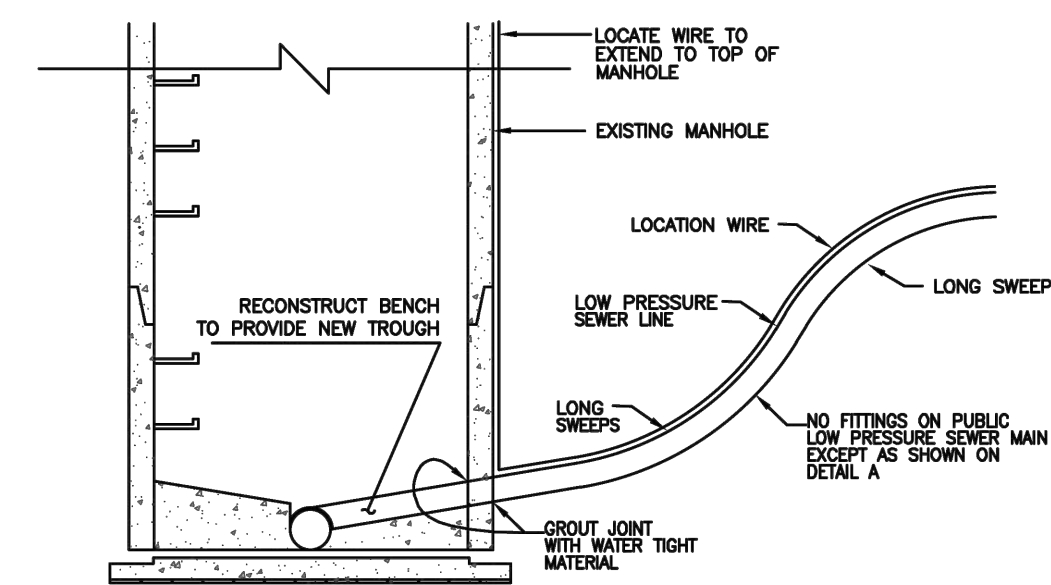
04 LOW PRESSURE SANITARY SEWER TRENCH DETAIL
SCALE: NOT TO SCALE



02 LATERAL ASSEMBLY 1 1/4" SDR 7 HDPE ARCH PATTERN
SCALE: NOT TO SCALE



03 LOW PRESSURE SEWER SERVICE CONNECTION TO A GRAVITY MAIN
SCALE: NOT TO SCALE



05 LOW PRESSURE SEWER MAIN CONNECTION TO GRAVITY SEWER MAIN MANHOLE
SCALE: NOT TO SCALE

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.



**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
SANITARY SEWER CONSTRUCTION DETAILS**

BHI PROJECT NO.	20240315	DWG NO.	D-08	SHEET	22	OF	24
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ENGINEER'S SEAL

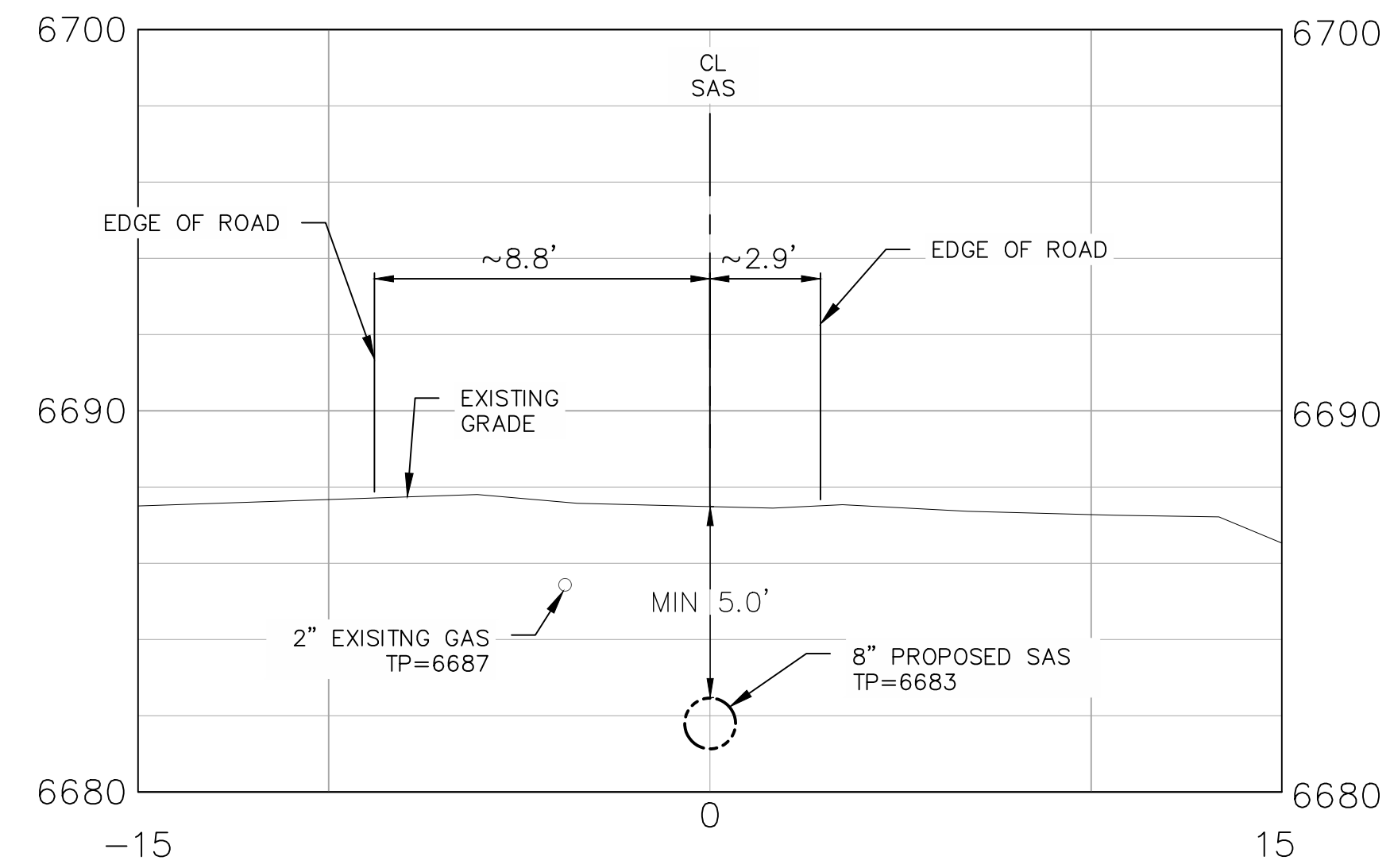


AS-BUILT INFORMATION

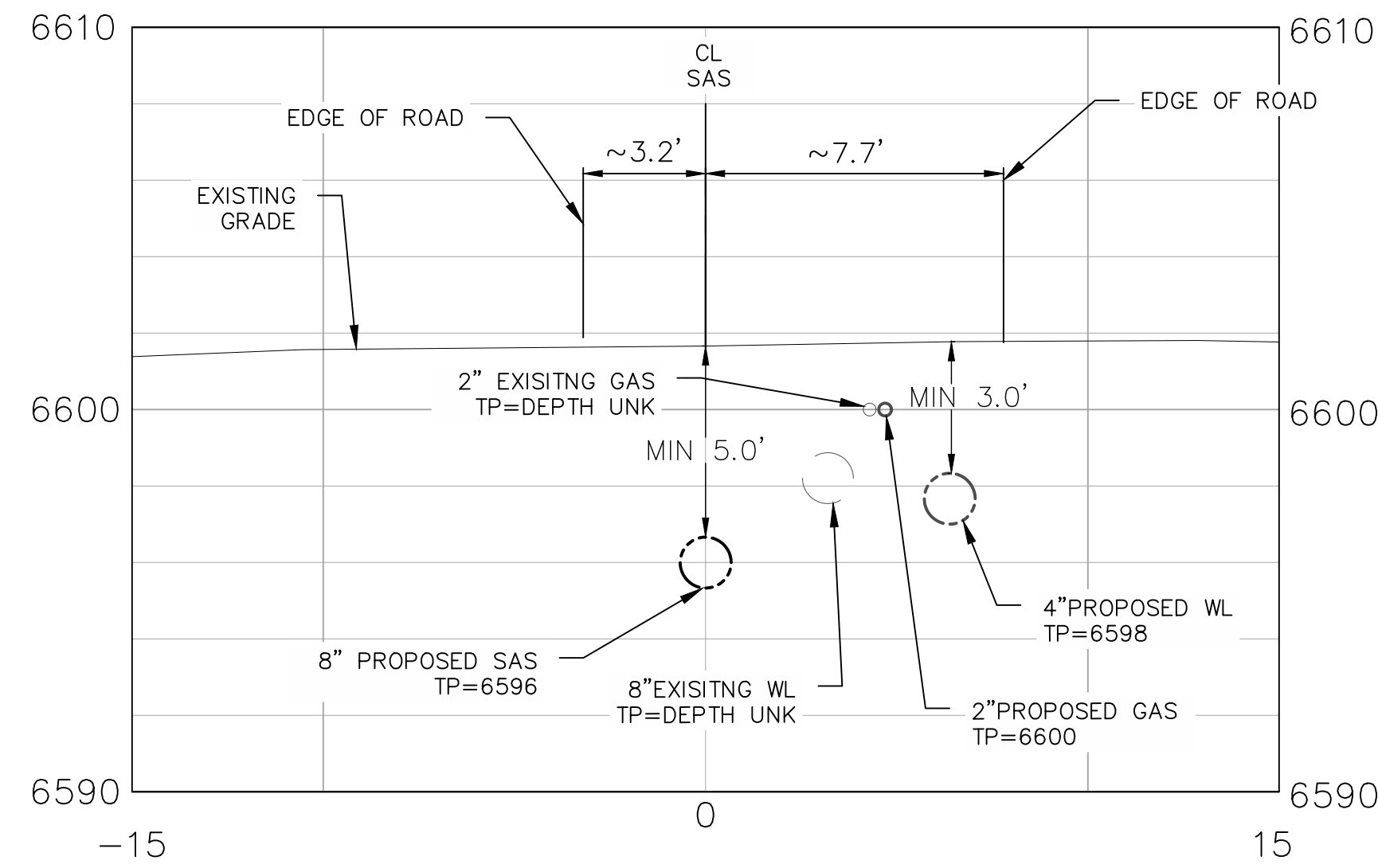
BENCH MARKS

NO.	DATE	BY	REVISIONS	DESIGN	DATE	DATE	DATE
					1/19/2024	1/19/2024	1/19/2024

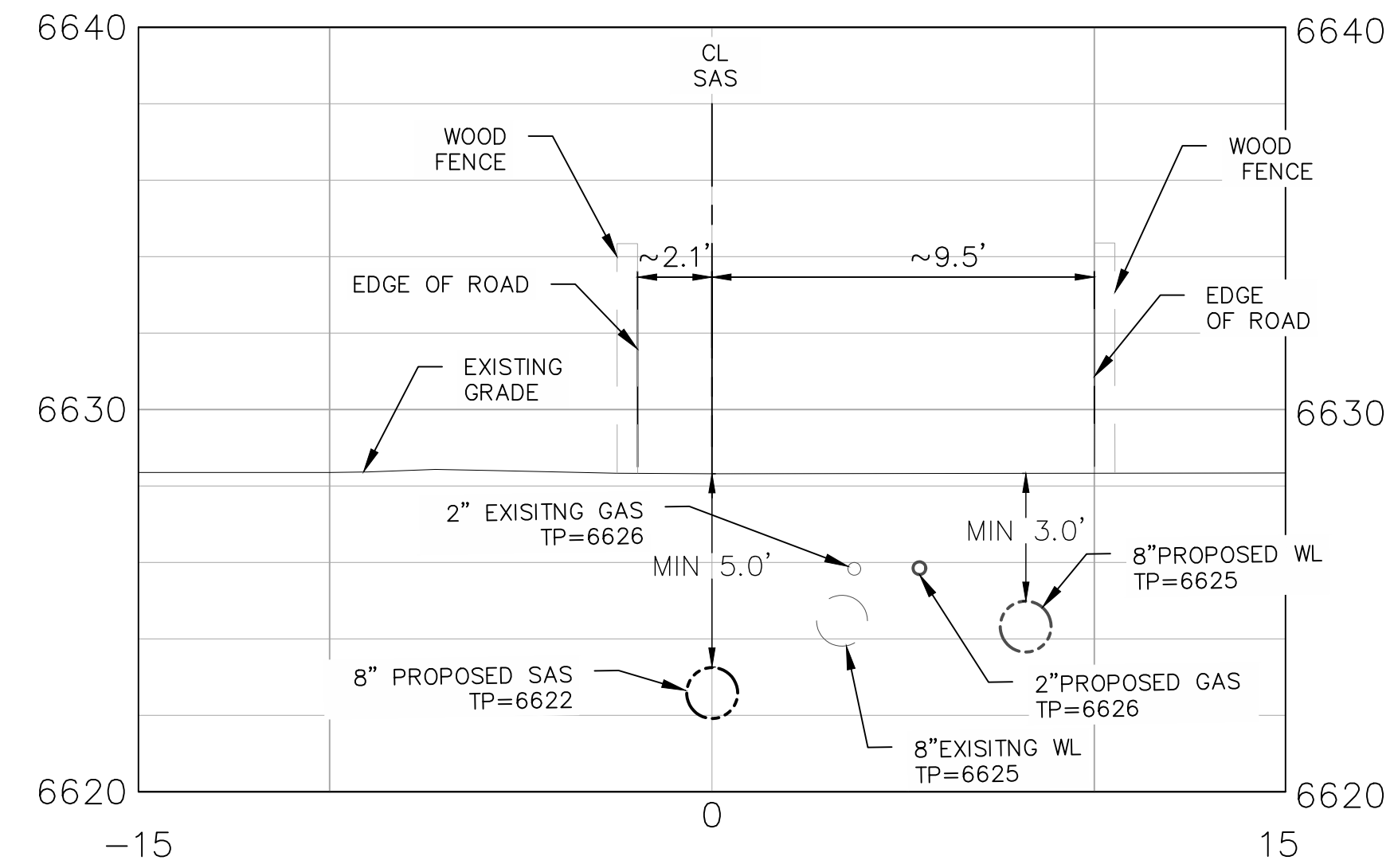
DESIGNED BY	SJC
CHECKED BY	AMS
DRAWN BY	NEC



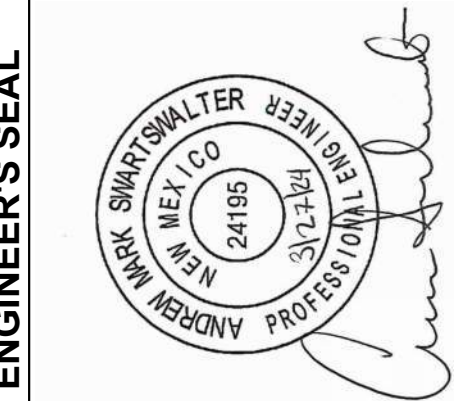
STA. 5+27
RAMON LANE SECTION



STA. 16+37
PAM Y EUTILIA LANE SECTION



STA. 8+59
TERRAZAS LANE SECTION



ENGINEER'S SEAL

AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE	BY
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REMARKS	DATE
REVISIONS	DATE
DESIGN	DATE

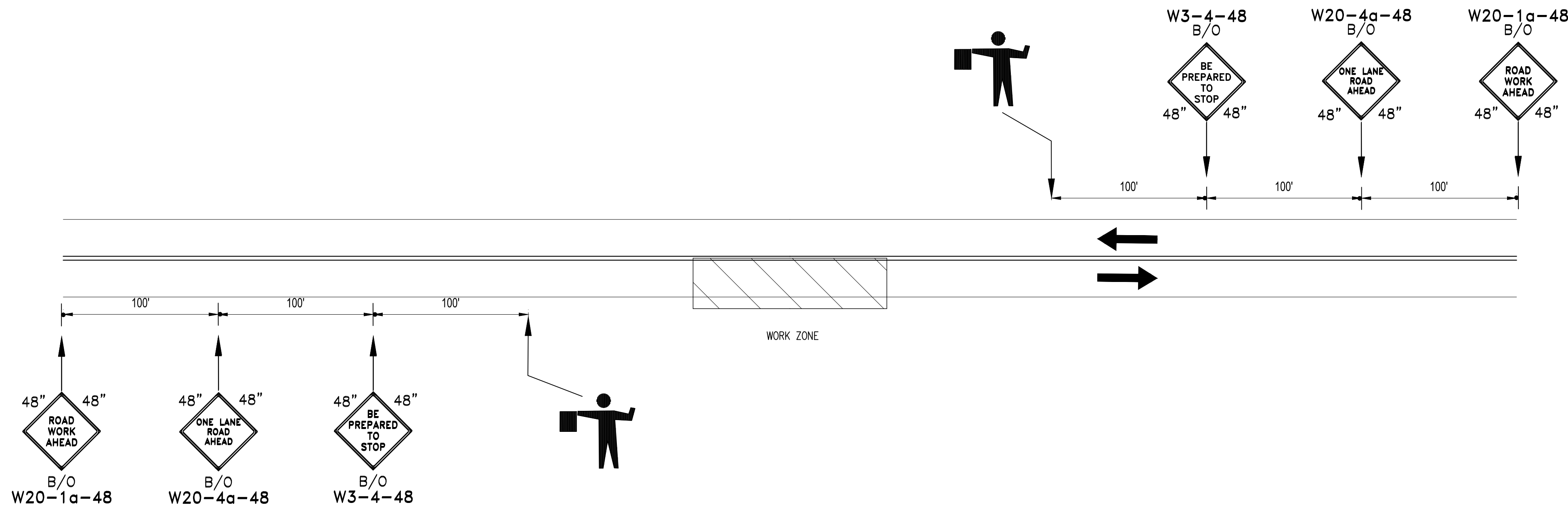
DESIGNED BY	SJC	DATE	1/19/2024
CHECKED BY	AMS	DATE	1/19/2024
DRAWN BY	NEC	DATE	1/19/2024



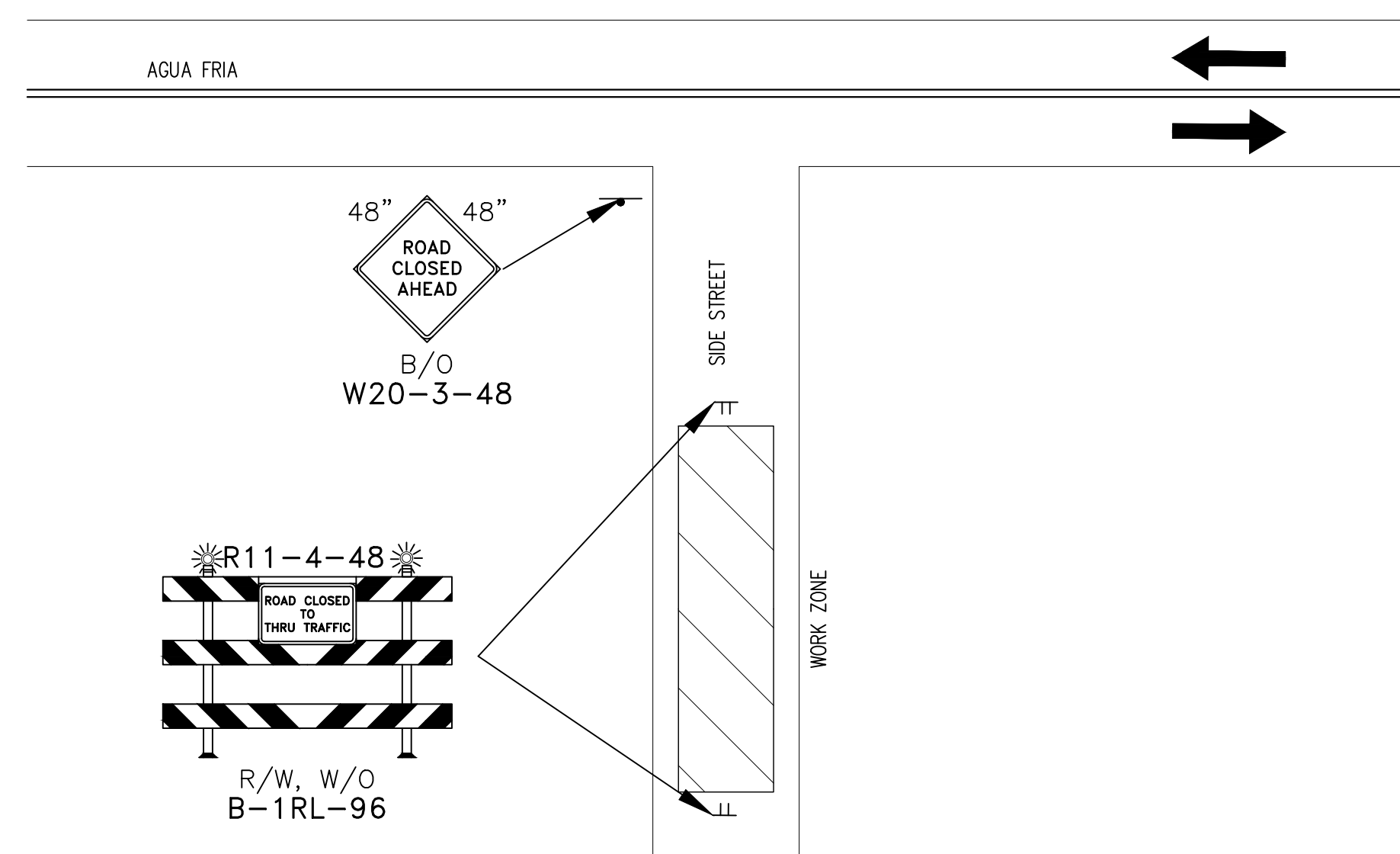
**HISTORIC VILLAGE OF AGUA FRIA
WASTEWATER IMPROVEMENTS
UTILITY RELOCATION DETAILS**

BHI PROJECT NO.	20240315	DWG NO.	D-09	SHEET	23	OF	24
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PAYMENT.**



AGUA FRIA FLAGGER CONTROL



TYPICAL SIDE STREET ROAD CLOSURE

NOTES:

1. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DEVICES & FLAGGERS PER MUTCD, LATEST EDITION.
2. CONTRACTOR SHALL LEAVE DRIVEABLE SURFACE ON AGUA FRIA ST AND ALL SIDE STREETS DURING NON-WORKING HOURS. "PAVEMENT ENDS" AND "BUMP" SIGNS SHOULD BE USED WHEN APPROPRIATE
3. OPEN TRENCHES SHALL BE COVERED WITH A STEEL PLATE DURING NON WORKING HOURS

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT.

ENGINEER'S SEAL



AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS

NO.	DATE	REMARKS	BY
		DESIGN	M. GARCIA
	8.14.2019	REVISIONS	JW
	8.14.2019		JW
	8.14.2019		MG



HISTORIC VILLAGE OF AGUA FRIA WASTEWATER IMPROVEMENTS TRAFFIC CONTROL PLAN

BHI PROJECT NO.	20240315	DWG NO.	TC-01	SHEET	24	OF	24
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N.T.S.