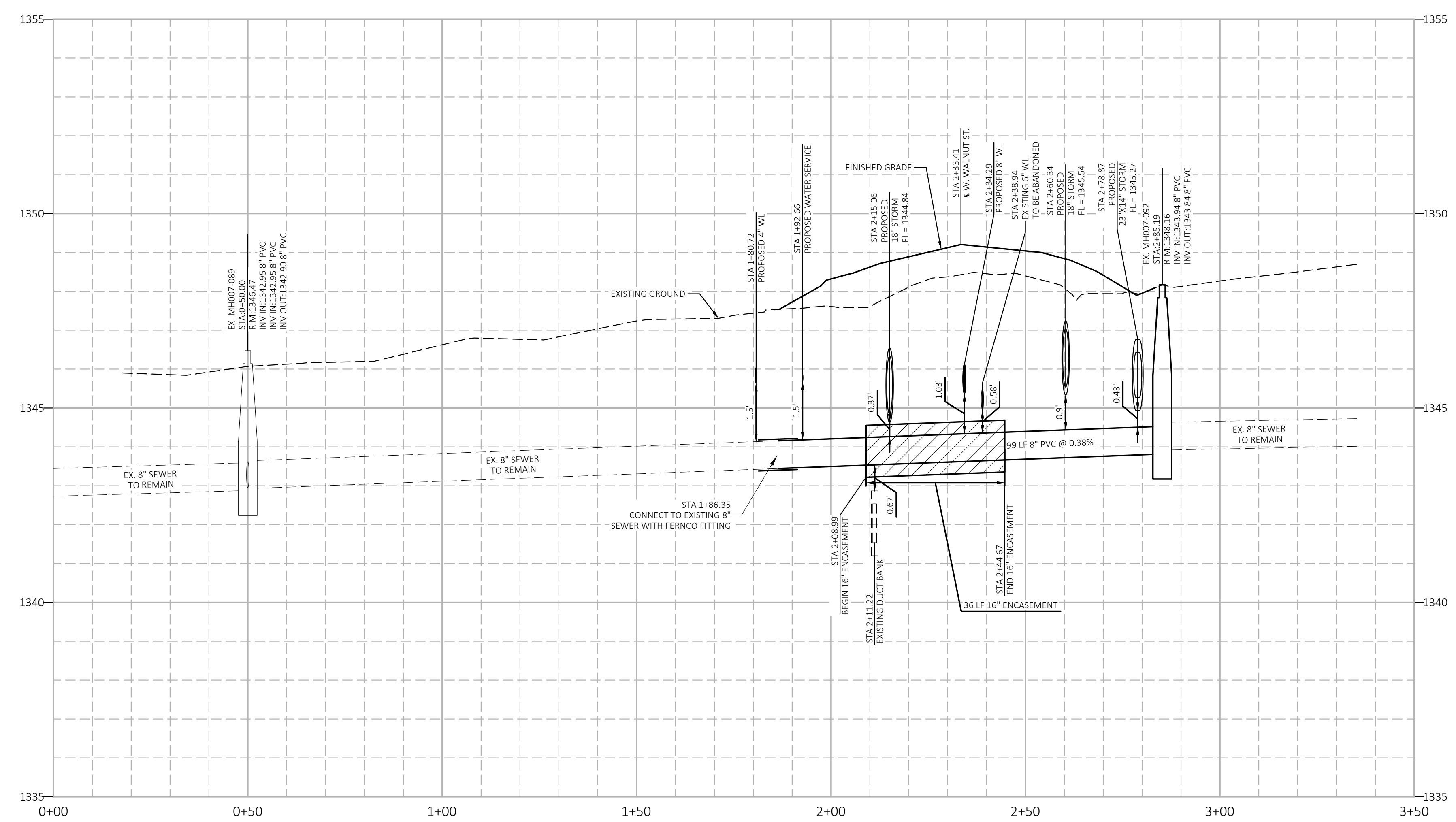
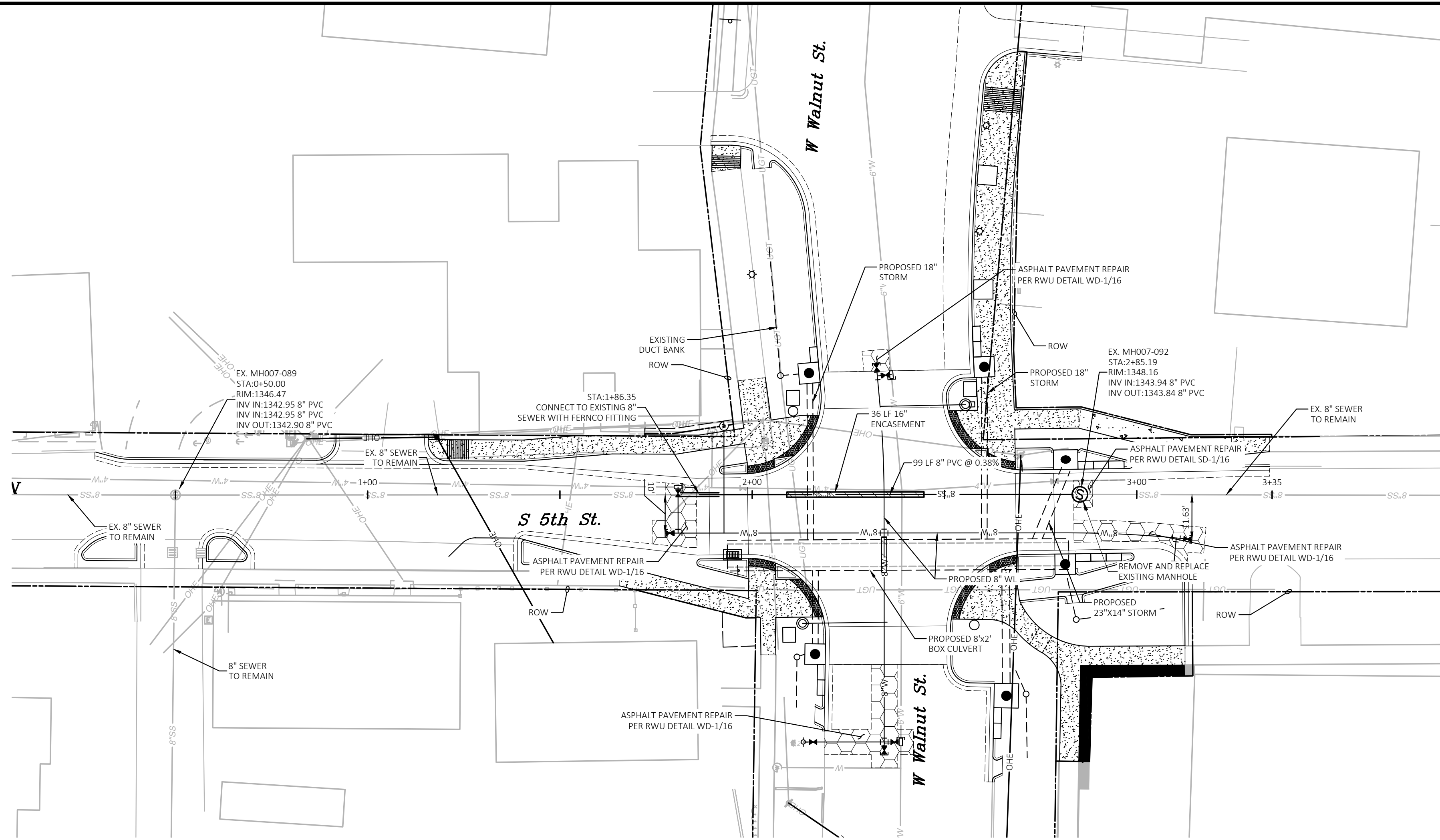


LEGEND

EXISTING				
	PROPERTY LINE		X"SS	SANITARY SEWER
	RIGHT OF WAY LINE		UGT	UNDERGROUND TELEPHONE
	STORM DRAIN		X"W	WATER
	POWER POLE		OHE	OVERHEAD ELECTRIC
	GUY WIRE		FOC	FIBER OPTIC CONDUIT
	WATER METER			CONTROL POINT
	SIGN POST AND PLACARD			FIRE HYDRANT
	GATE VALVE			ATTACHED LIGHT POLE STRUCTURE
	GRATE INLET			STORM SEWER MANHOLE
				ELECTRIC TRANSFORMER

- ### NOTES
1. CONTRACTOR TO FIELD VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 2. ALL MATERIALS AND METHODS USED TO CONSTRUCT, MODIFY, OR TAP ANY PUBLIC WATER OR SEWER MAIN SHALL CONFORM TO RWU STANDARD SPECIFICATIONS AND DETAILS DATED SEPTEMBER 20, 2022.
 3. VERTICAL SEPARATION SHALL BE 18" MIN. BETWEEN WATER AND SANITARY SEWER AND 6" BETWEEN WATER AND ALL OTHER UTILITIES AND STORM SEWER.
 4. ALL SANITARY SEWER MAINS SHALL BE SDR 26 PVC WITH 6' MIN. DEPTH FROM RIM ELEVATION TO FLOW LINE ELEVATION.
 5. SANITARY SEWER MANHOLES LOCATED IN ROADWAYS OR IN AREAS EXPOSED TO VEHICULAR TRAFFIC SHALL HAVE TRAFFIC DUTY FRAMES AND COVERS INSTALLED.
 6. UNLESS STATED IN THE PLANS, ALL SANITARY SEWER MANHOLES SHALL BE 4' DIAMETER AND SHALL BE EPOXY-LINE WITH A GMI 24" COMPOSITE RING AND LID PER RWU STANDARD DETAILS.
 7. INSTALL 1' CLAY CAP BETWEEN SANITARY SEWER AND BOTTOM LAYER OF LOW-IMPACT DEVELOPMENT INFRASTRUCTURE.



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CEI PROJECT NO.	INITIAL DATE	DPOR	PM	DES	DRW

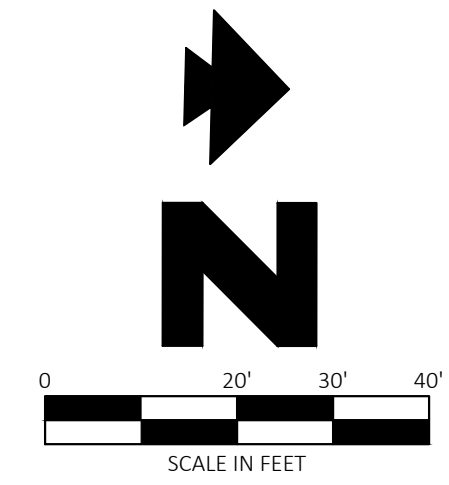
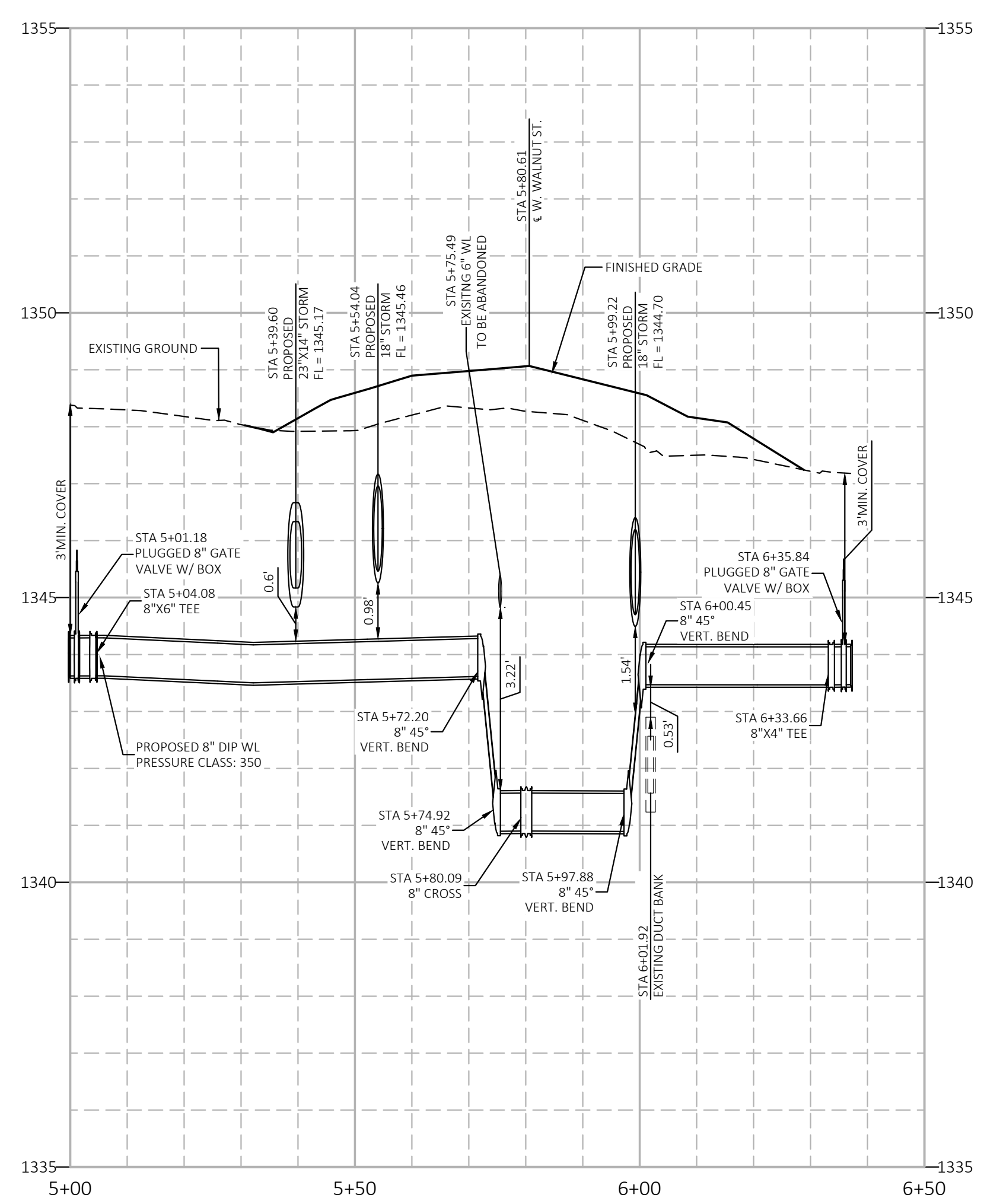
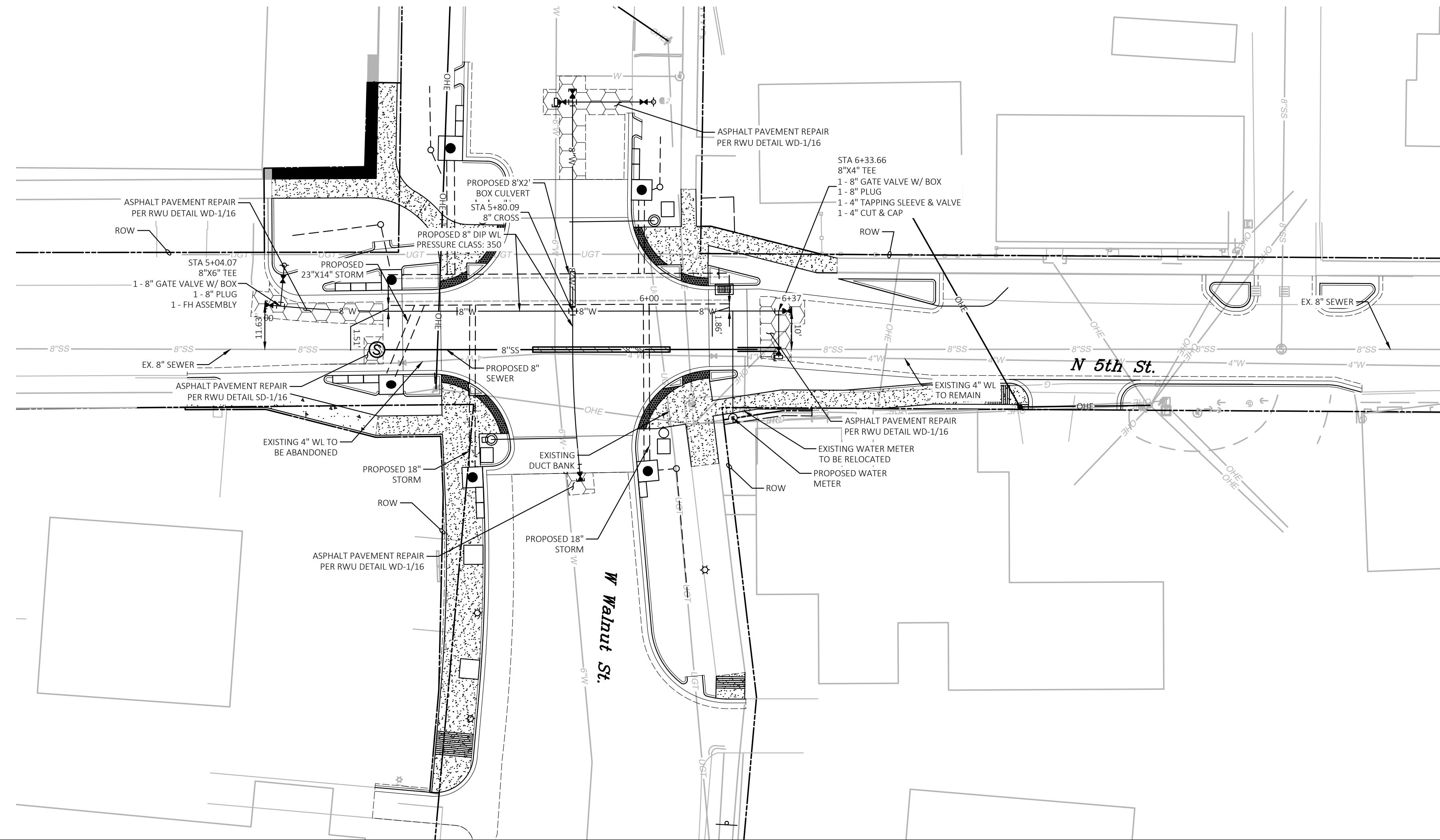
CEI Engineering Associates, Inc.
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2600 NE 11TH ST, STE 300 (479)273-9472
 BENTONVILLE, AR 72712 FAX (479)273-0844

DOWNTOWN BICYCLE/PEDESTRIAN IMPROVEMENTS
 MINOR CONSTRUCTION
 ROGERS ARKANSAS

REV DATE	SHEET NO.
6/5/24	----
REV-6	----

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LEGEND

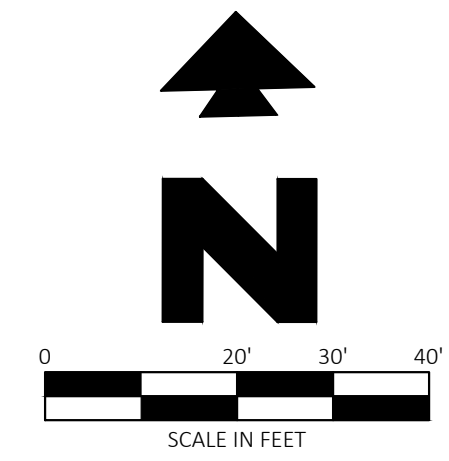
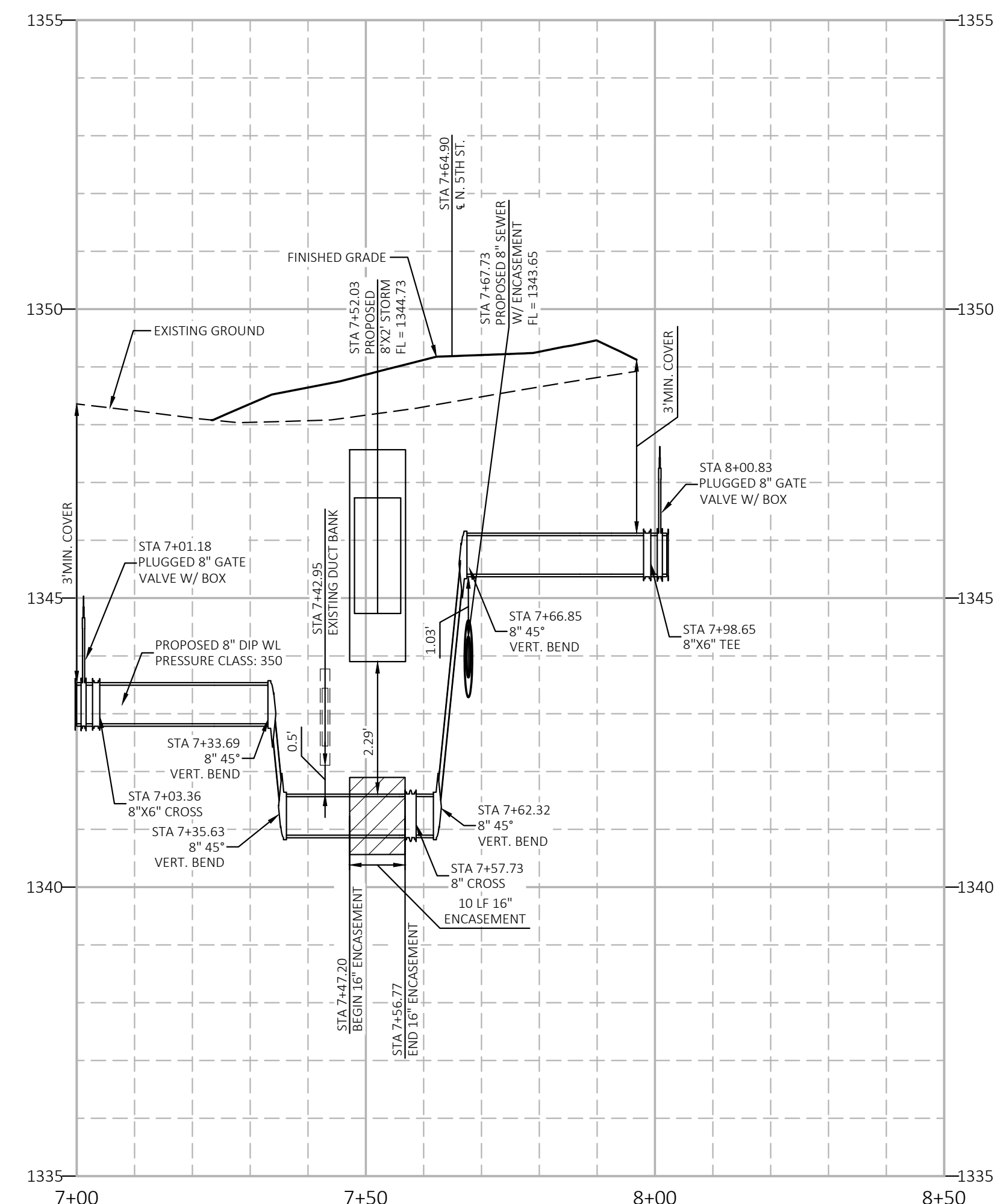
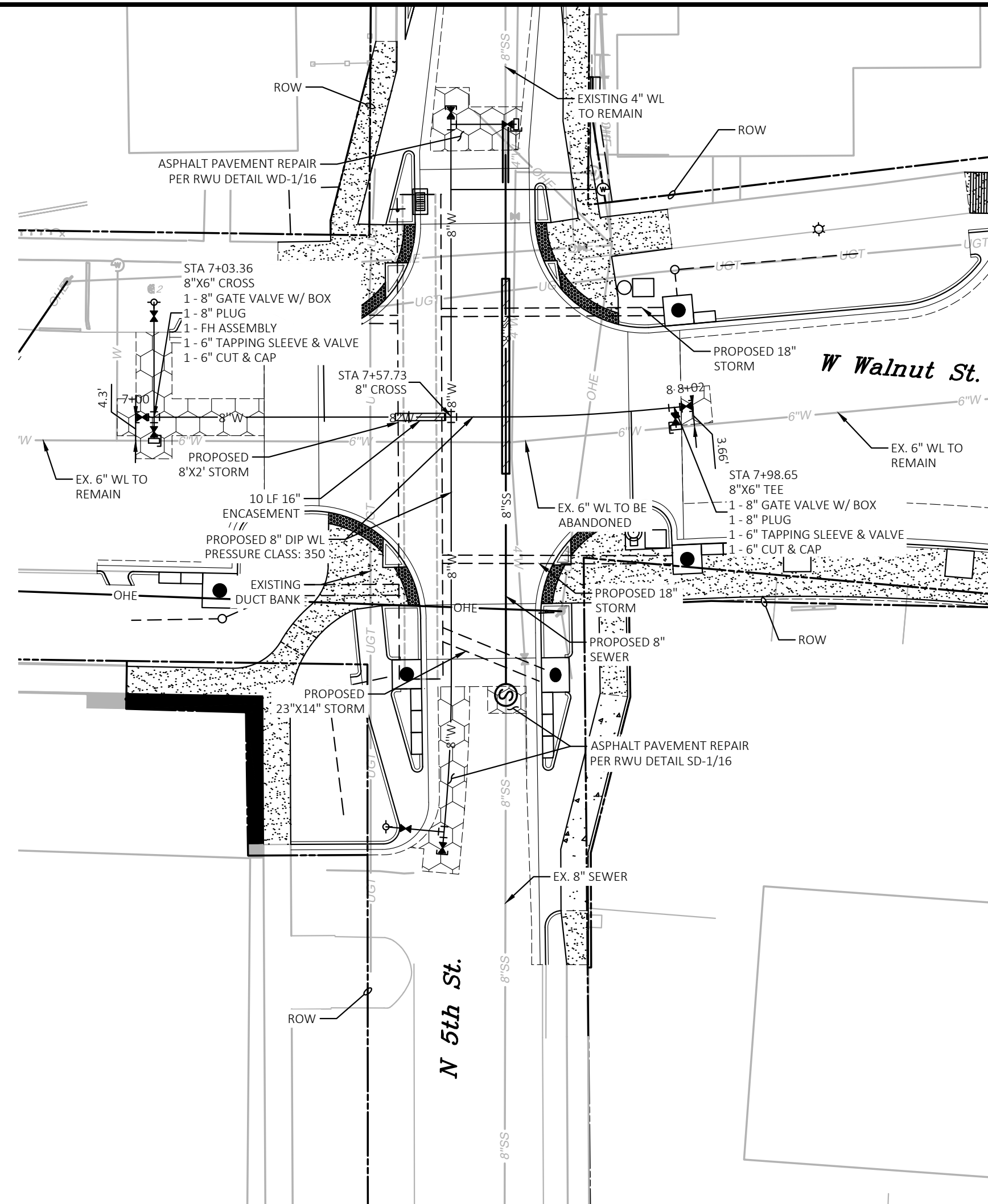
EXISTING			
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	RIGHT OF WAY LINE		UNDERGROUND TELEPHONE
	STORM DRAIN		WATER
	POWER POLE		OVERHEAD ELECTRIC
	GUY WIRE		FIBER OPTIC CONDUIT
	WATER METER		CONTROL POINT
	SIGN POST AND PLACARD		FIRE HYDRANT
	GATE VALVE		ATTACHED LIGHT POLE STRUCTURE
	GRATE INLET		STORM SEWER MANHOLE
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 4. ALL WATER LINE SHALL HAVE LOCKING GASKETS
 5. ALL WATER MAINS SHALL BE DUCTILE IRON PIPE WITH 3' MIN. COVER BELOW POINT OF BURY, OR 3.5' MIN. COVER BELOW STREET CENTERLINE, WHICHEVER RESULTS IN THE LOWEST ELEVATION.
 6. WATER VALVES 12" AND LARGER SHALL BE BUTTERFLY VALVES PER RWU SPECIFICATIONS.
 7. WATER SERVICES CROSSING ROADWAY SHALL BE INSTALLED IN 4" SCH. 40 PVC CONDUIT.
 8. NO MORE THAN 2 JOINTS OF EXISTING PIPE SHALL BE EXPOSED DURING CONSTRUCTION.
 9. MAINTAIN 5' MIN. HORIZONTAL SEPARATION BETWEEN WATER LINES AND LIGHT POLE BASES.



31388	5/9/24	AJS	AN	TPB	TN
CEI PROJECT NO.	INITIAL DATE	DPOR	PM	DES	DRW
CEI Engineering Associates, Inc.					
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3600 NE 11TH ST, STE 300 (479)273-9472 BENTONVILLE, AR 72712 FAX (479)273-0844					
DOWNTOWN BICYCLE/PEDESTRIAN IMPROVEMENTS					
MINOR CONSTRUCTION ROGERS ARKANSAS					
5TH STREET WATER PLAN & PROFILE (1)				REV DATE	SHEET NO.
				6/5/24	----
				REV-6	----

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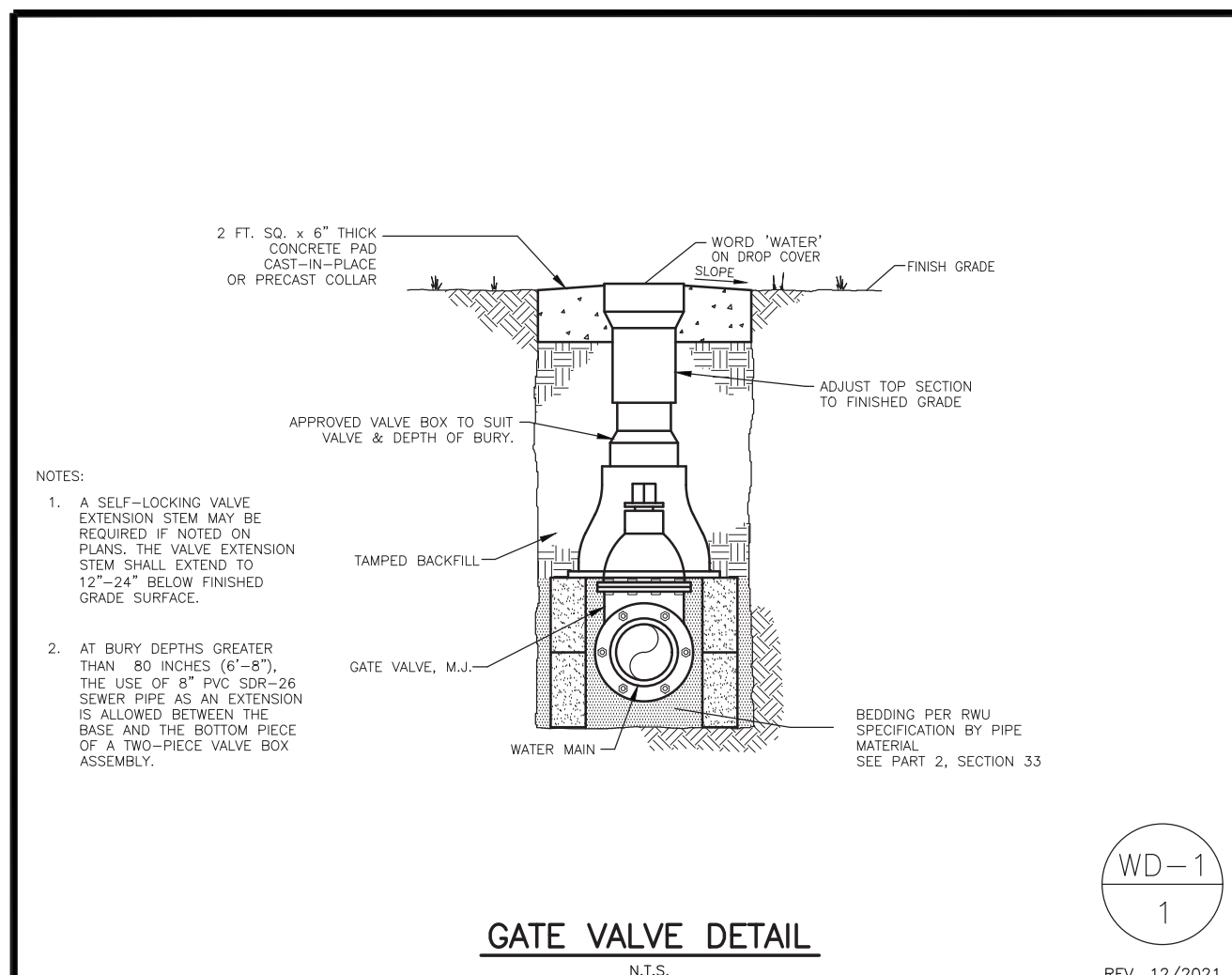
LEGEND

EXISTING					
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	RIGHT OF WAY LINE		UGT		UNDERGROUND TELEPHONE
	STORM DRAIN		X'W		WATER
	POWER POLE		OHE		OVERHEAD ELECTRIC
	GUY WIRE		FOC		FIBER OPTIC CONDUIT
	WATER METER				CONTROL POINT
	SIGN POST AND PLACARD				FIRE HYDRANT
	GATE VALVE				ATTACHED LIGHT POLE STRUCTURE
	GRATE INLET				STORM SEWER MANHOLE
					ELECTRIC TRANSFORMER

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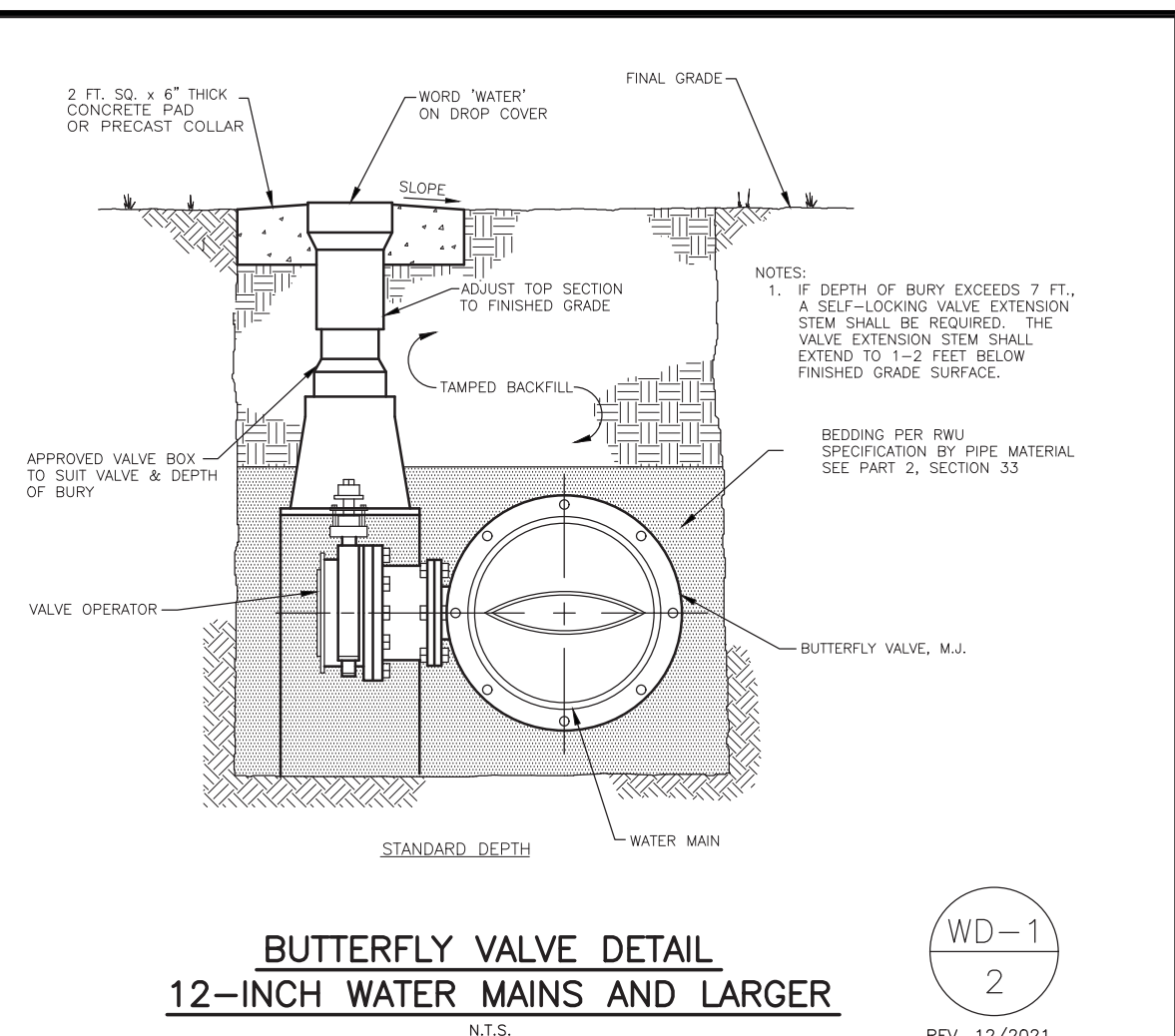


31388	5/31/24	AJS	AN	TPB	TN
CEI PROJECT NO.	INITIAL DATE	DPOR	PM	DES	DRW
CEI Engineering Associates, Inc.					
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DOWNTOWN BICYCLE/PEDESTRIAN IMPROVEMENTS					
MINOR CONSTRUCTION ROGERS ARKANSAS					
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				6/5/24	----
				REV-6	----



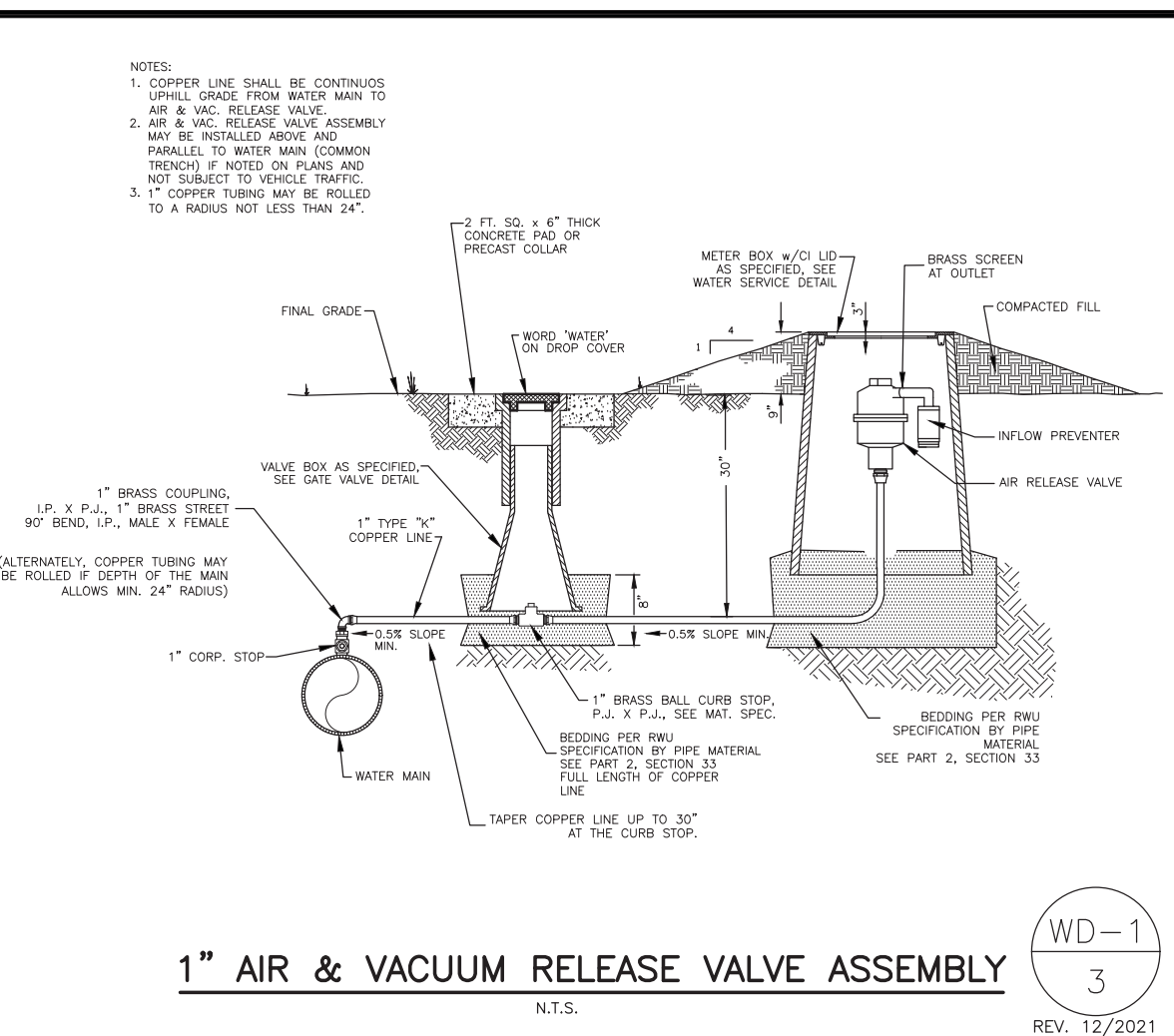
GATE VALVE DETAIL
N.T.S.

WD-1
1
REV. 12/2021



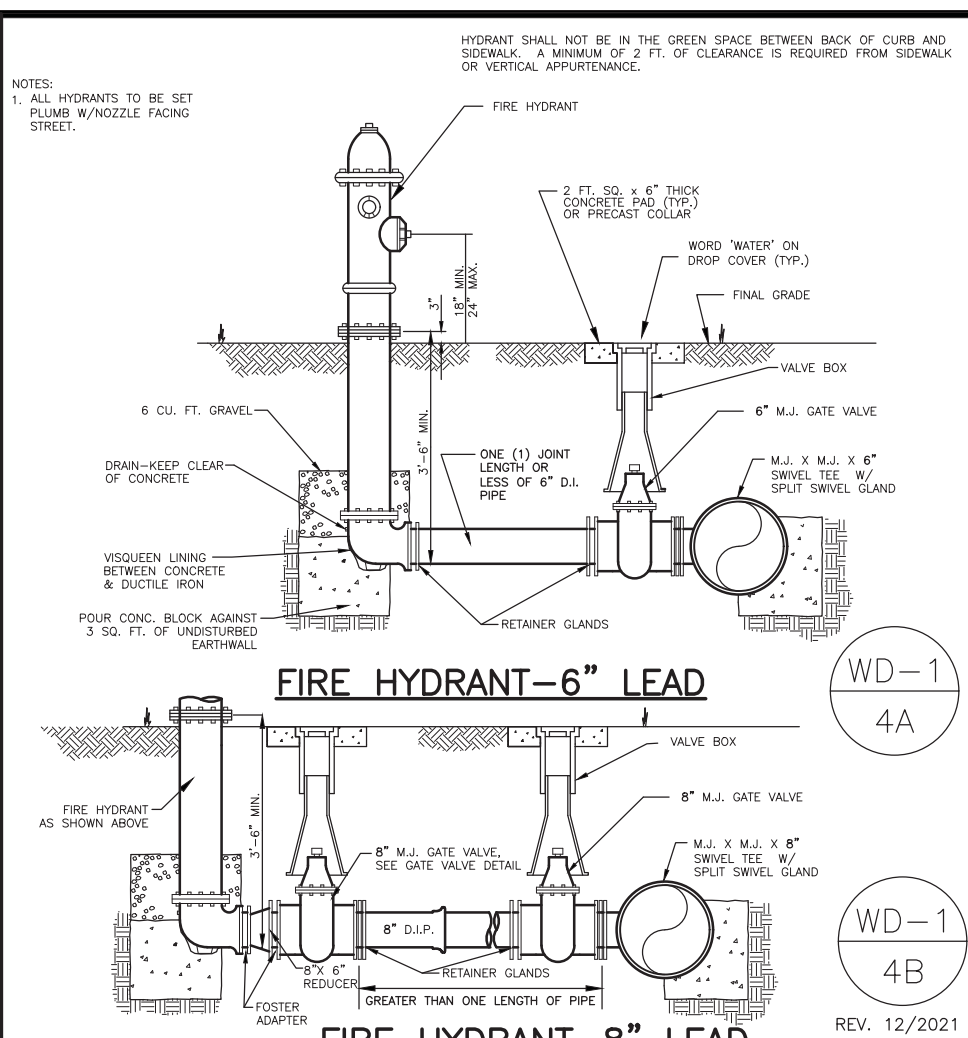
BUTTERFLY VALVE DETAIL
12-INCH WATER MAINS AND LARGER
N.T.S.

WD-1
2
REV. 12/2021



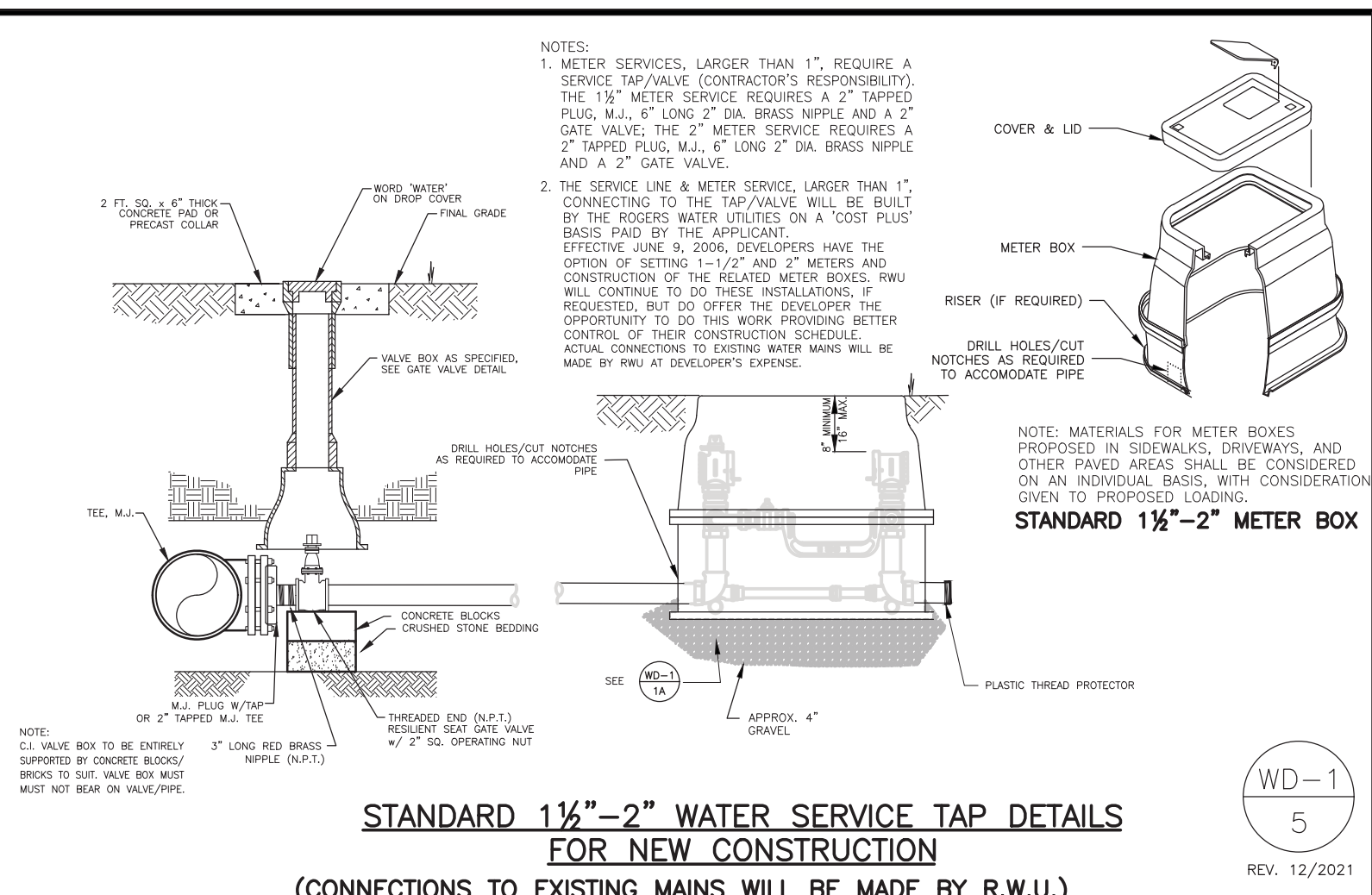
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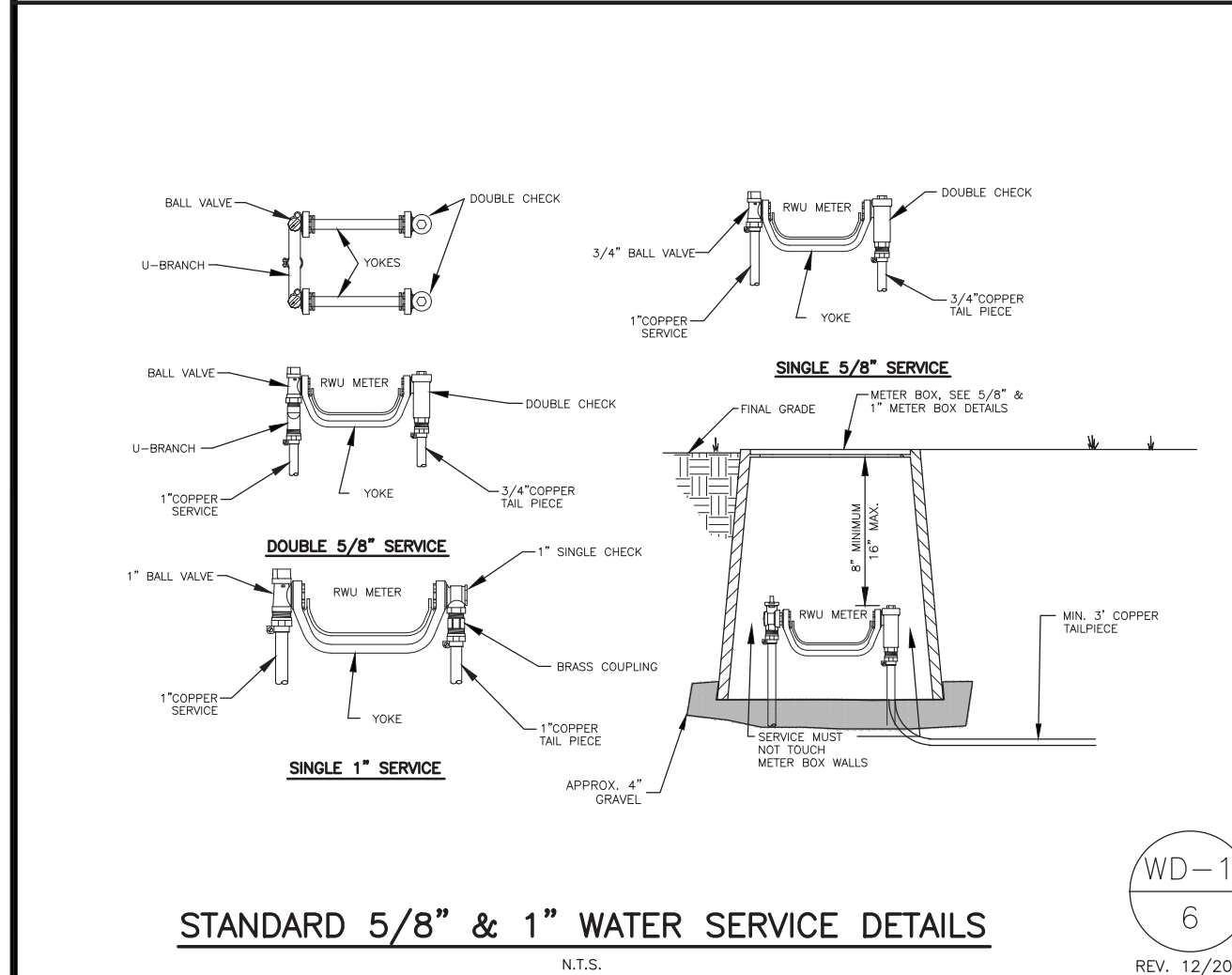
FIRE HYDRANT-6\"/>

WD-1
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REV. 12/2021



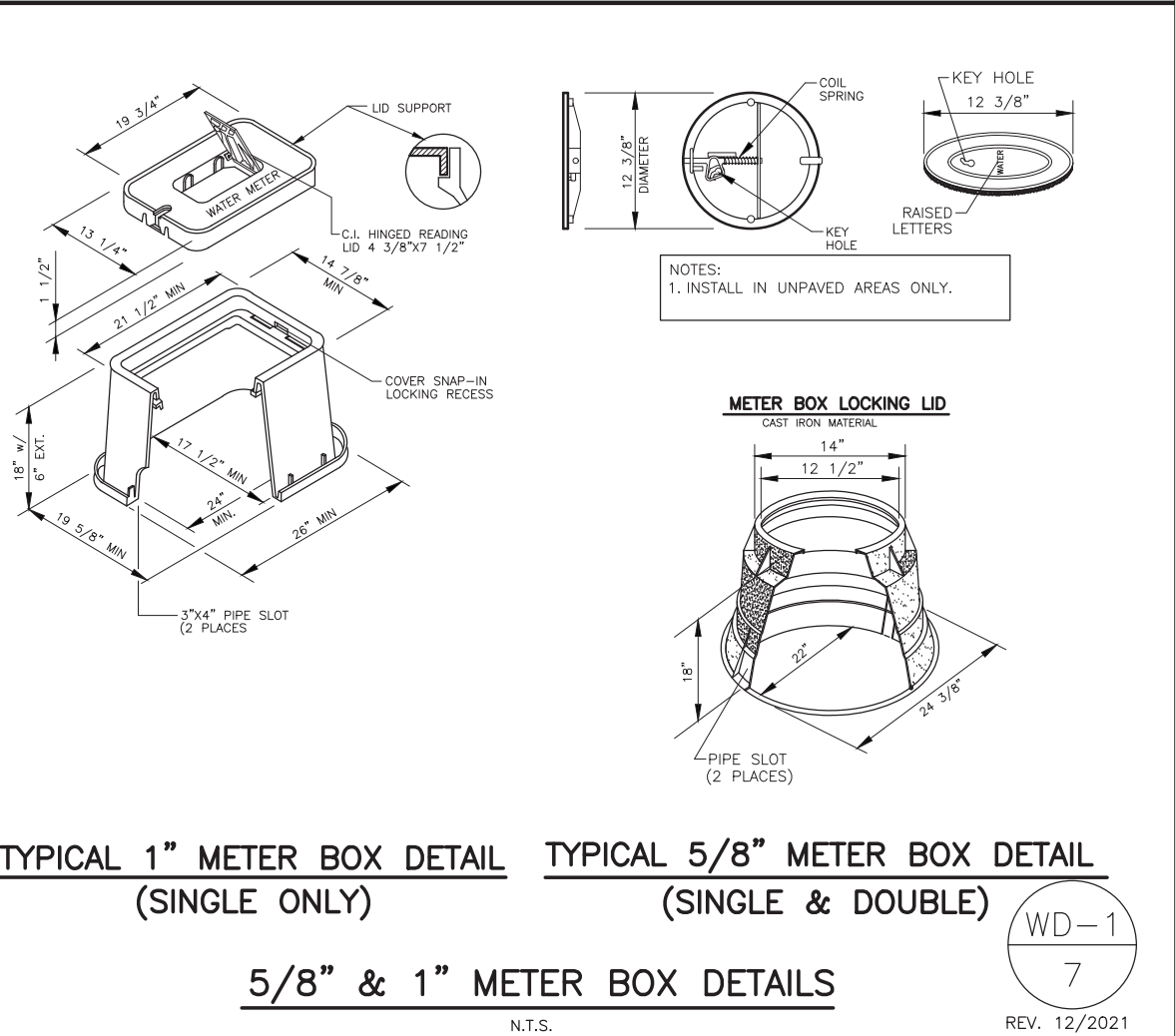
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REV. 12/2021



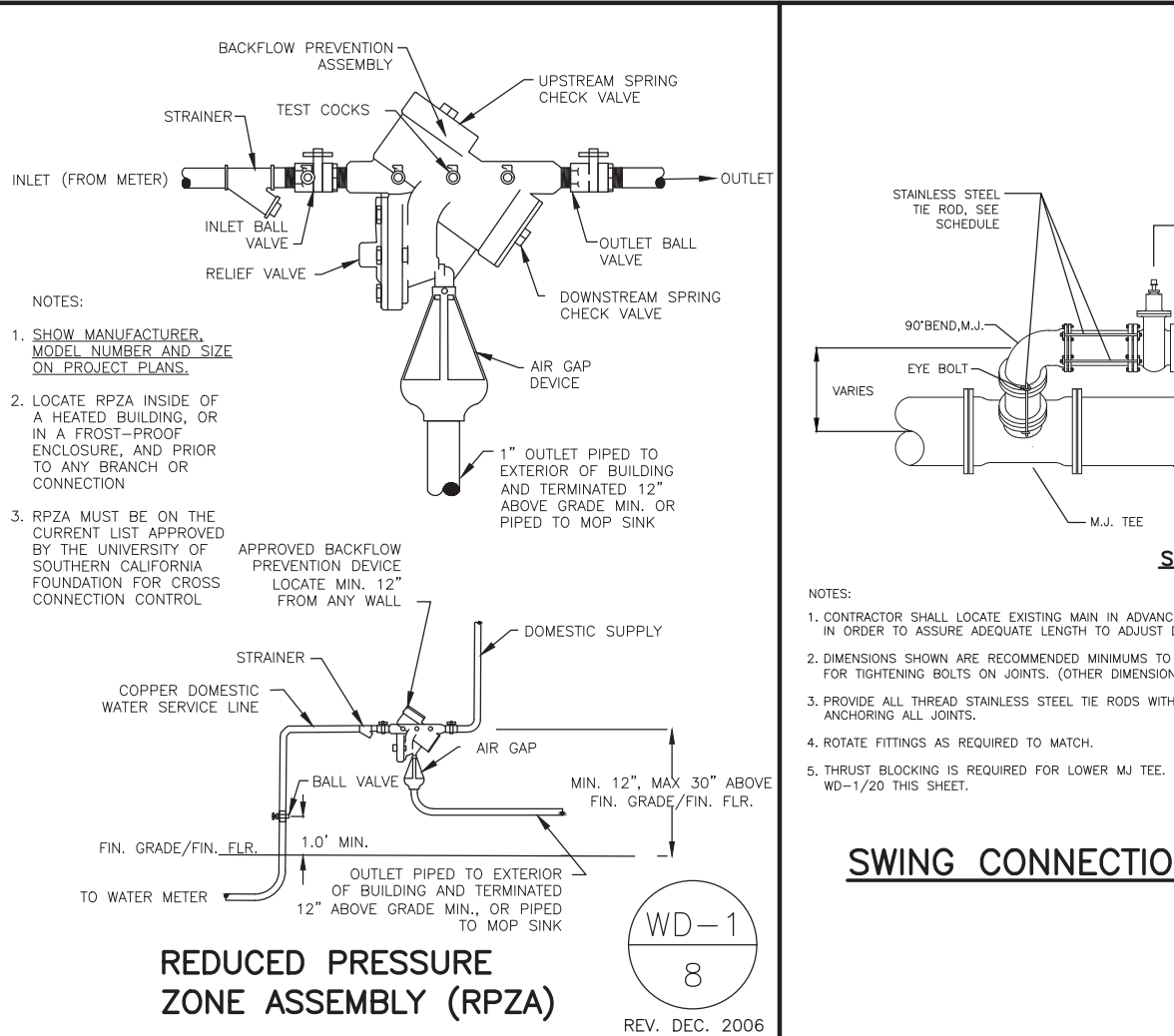
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REV. 12/2021



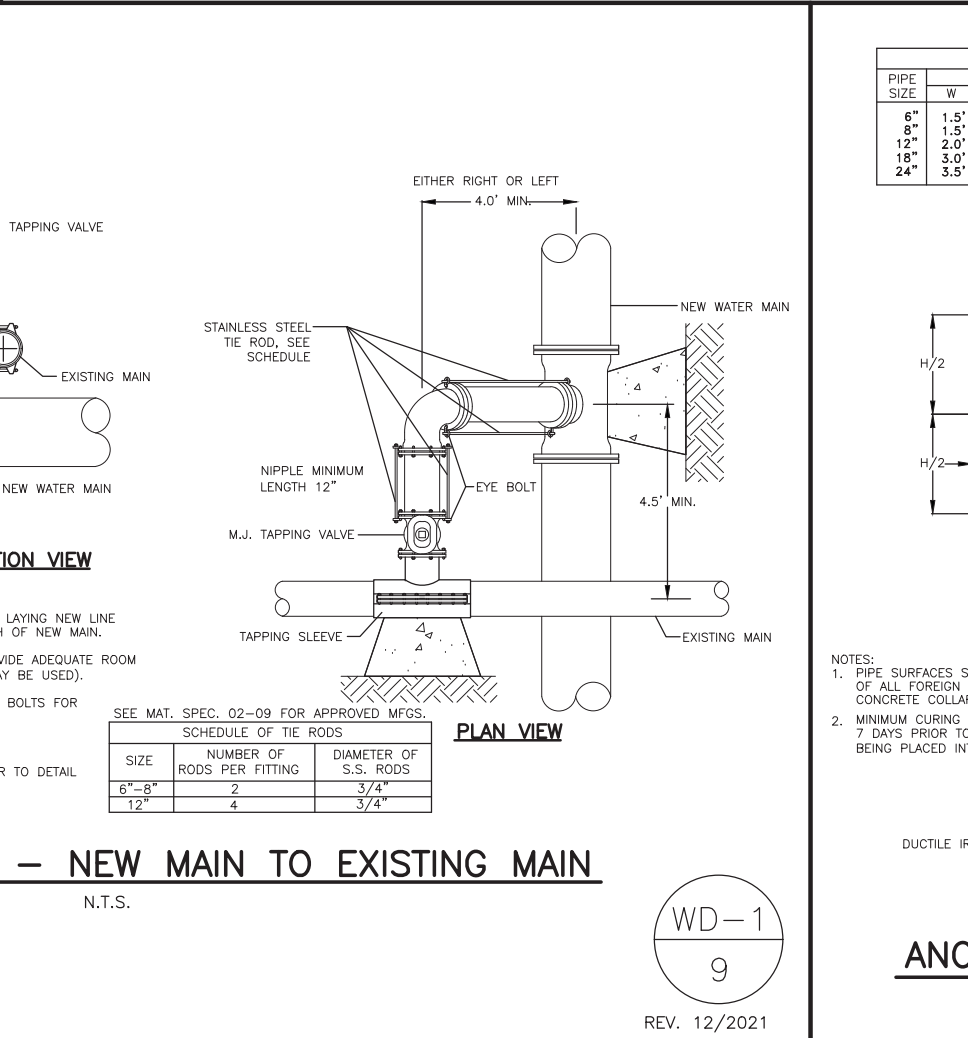
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REV. 12/2021



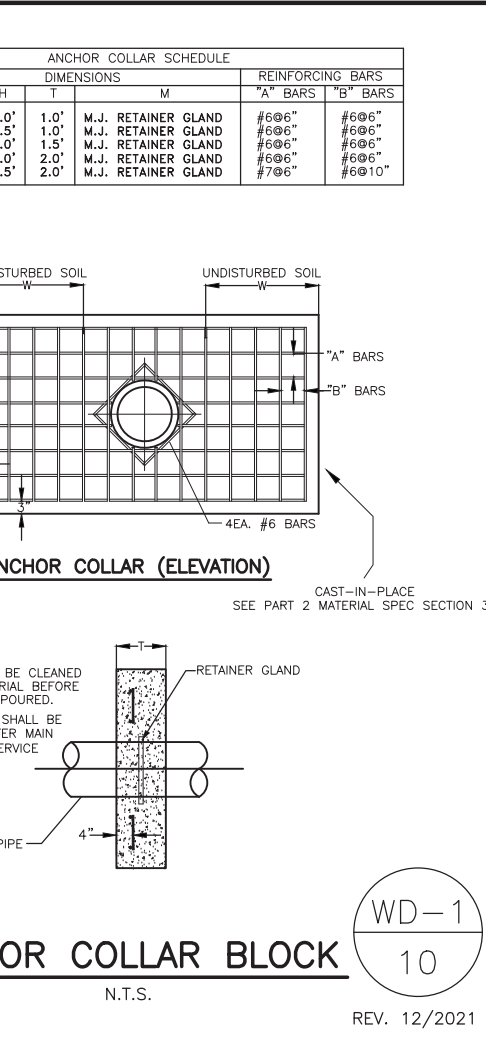
REDUCED PRESSURE ZONE ASSEMBLY (RPZA)
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REV. DEC. 2006



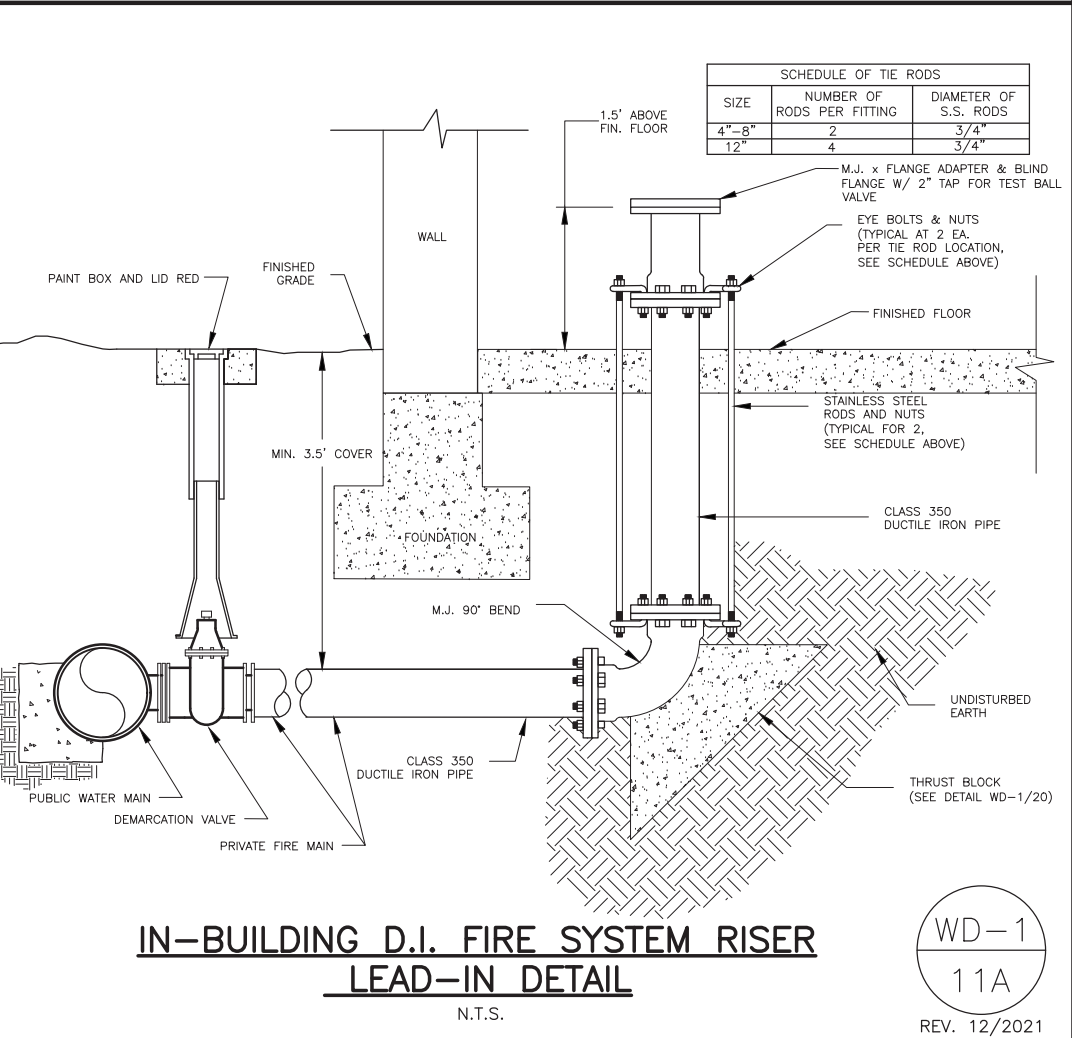
SWING CONNECTION - NEW MAIN TO EXISTING MAIN
N.T.S.

WD-1
9
REV. 12/2021



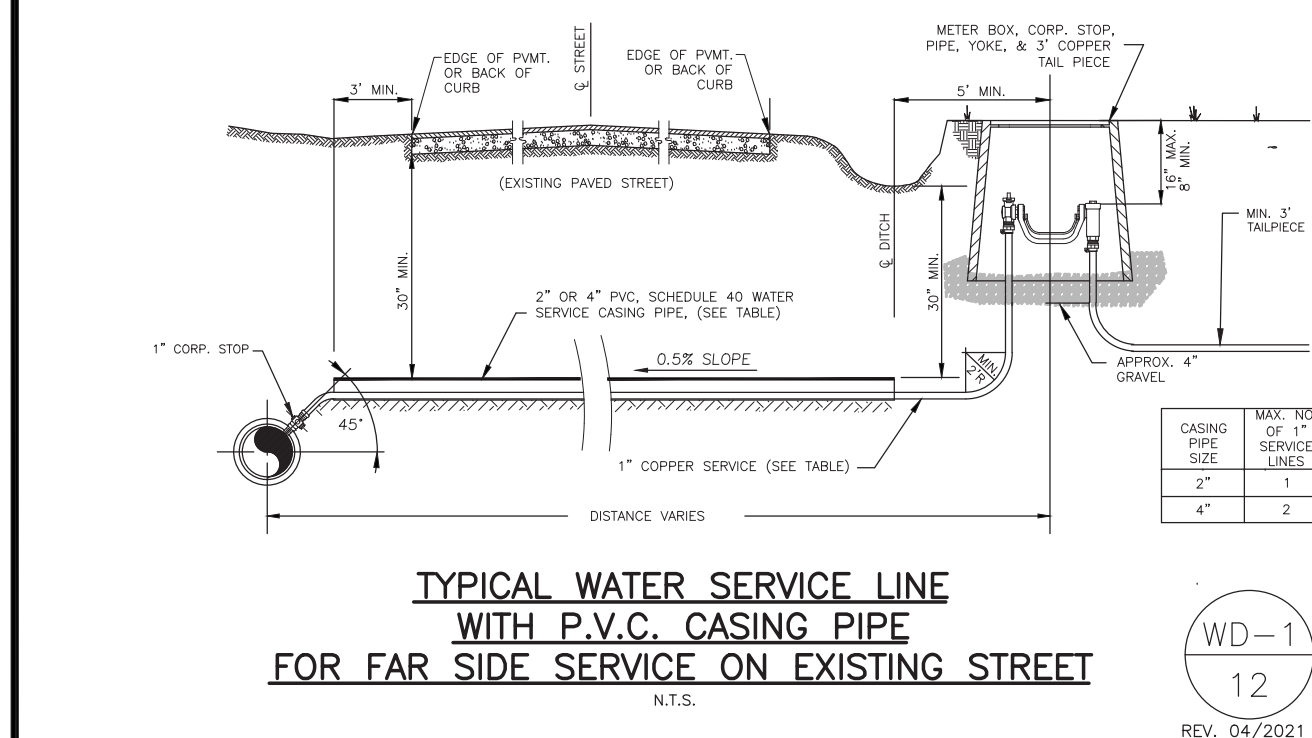
ANCHOR COLLAR BLOCK
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WD-1
10
REV. 12/2021



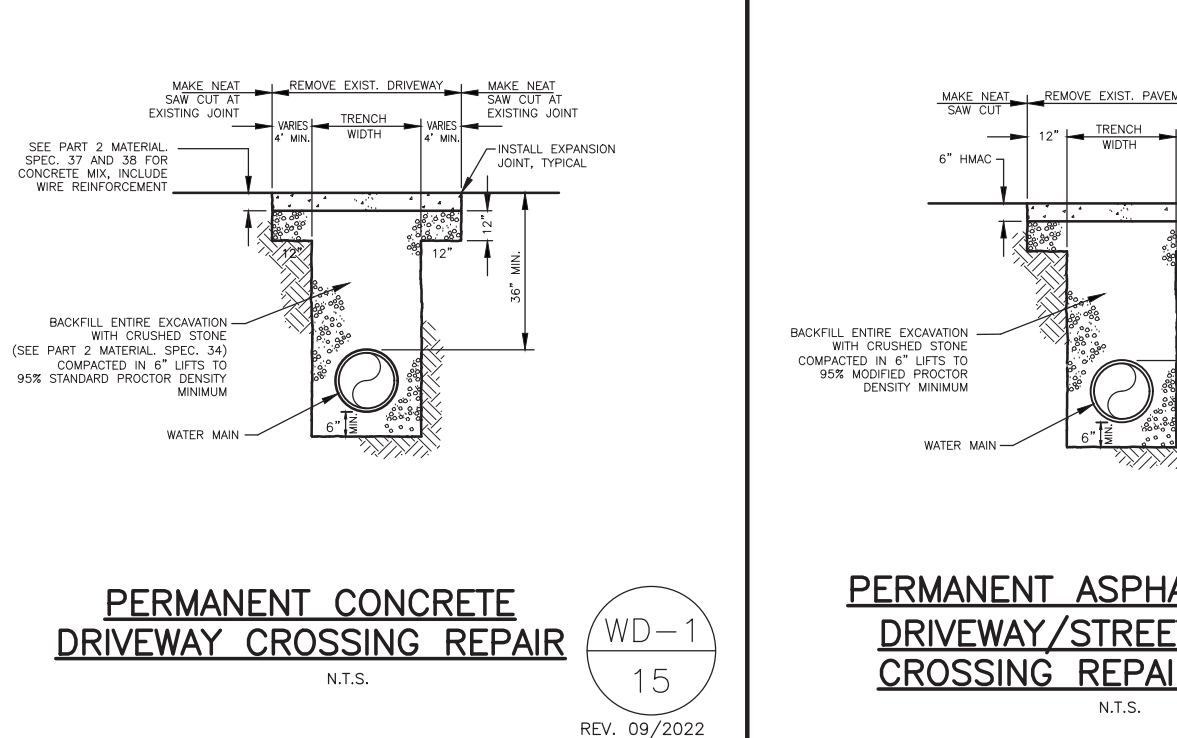
IN-BUILDING D.I. FIRE SYSTEM RISER LEAD-IN DETAIL
N.T.S.

WD-1
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REV. 12/2021



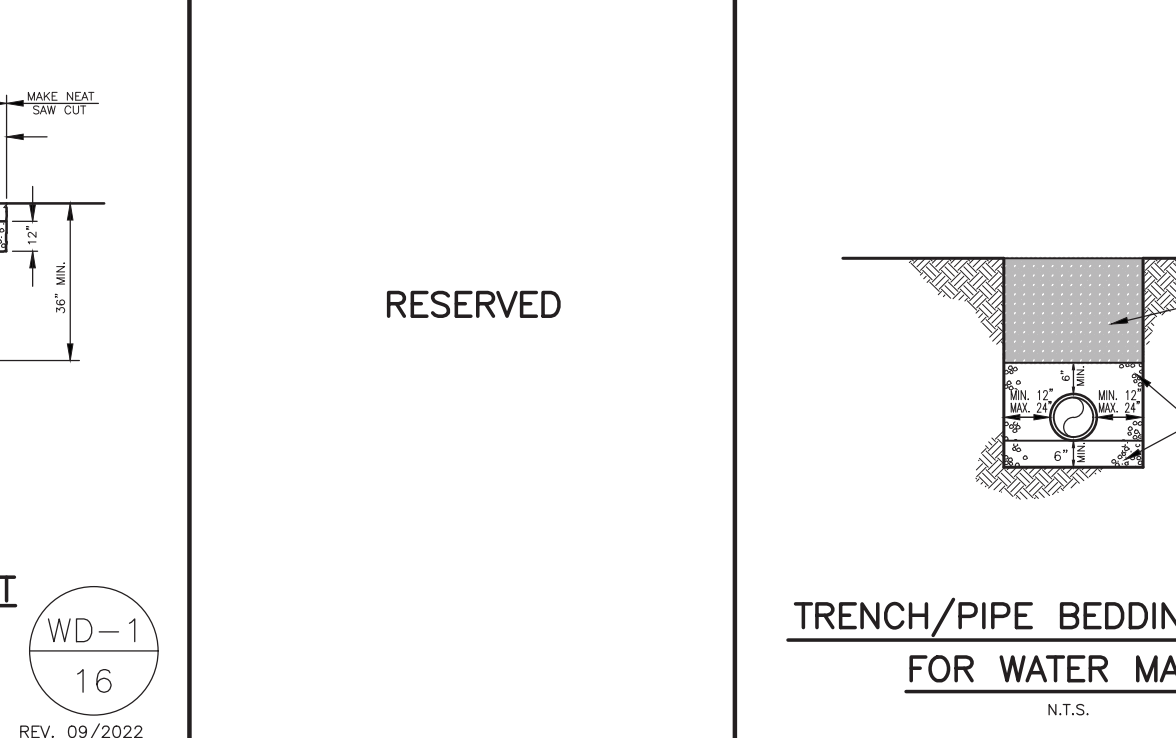
TYPICAL WATER SERVICE LINE WITH P.V.C. CASING PIPE FOR FAR SIDE SERVICE ON EXISTING STREET
N.T.S.

WD-1
12
REV. 04/2021



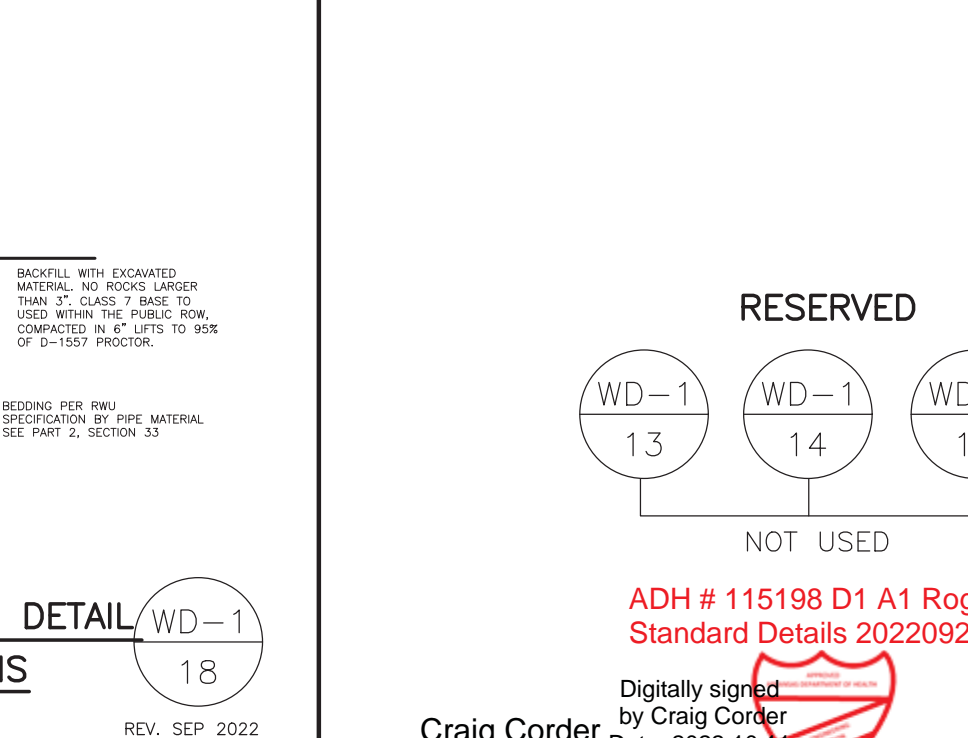
PERMANENT CONCRETE DRIVEWAY CROSSING REPAIR
N.T.S.

WD-1
15
REV. 09/2022



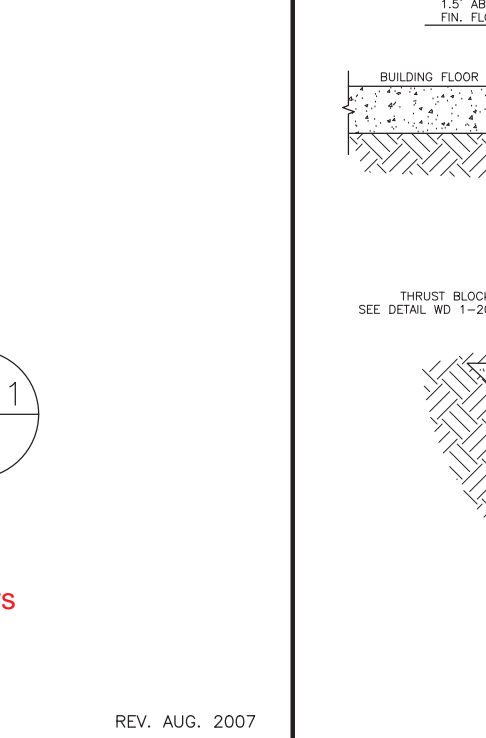
PERMANENT ASPHALT DRIVEWAY/STREET CROSSING REPAIR
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16
REV. 09/2022



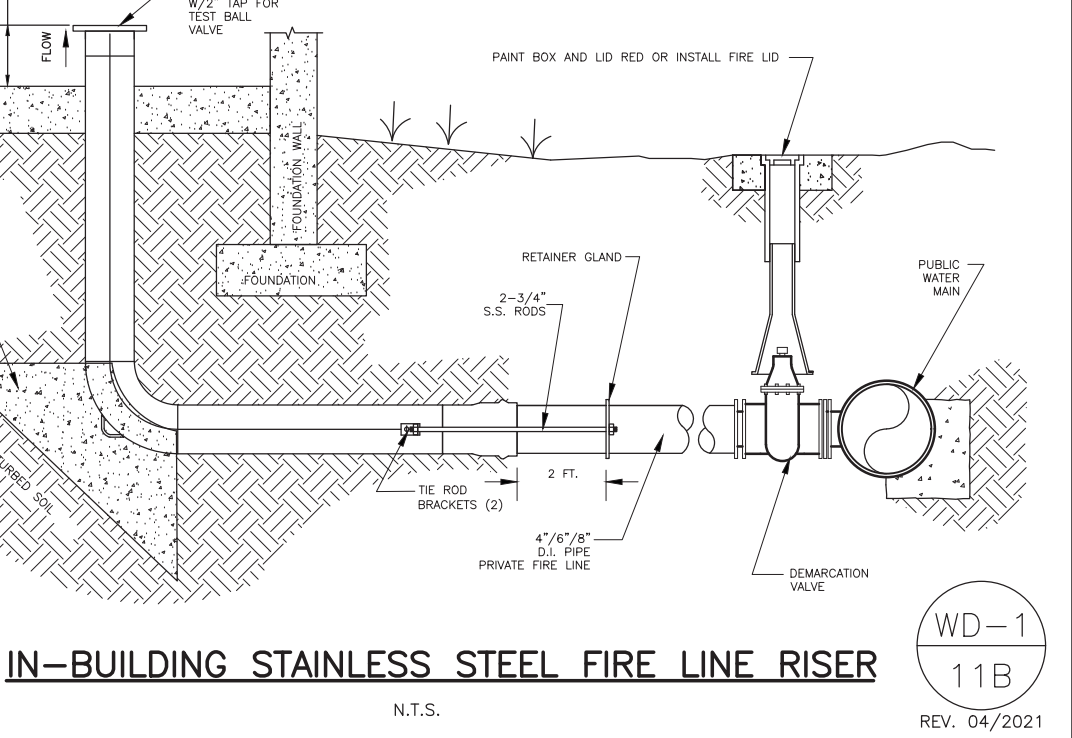
TRENCH/PIPE BEDDING DETAIL FOR WATER MAINS
N.T.S.

WD-1
18
REV. SEP. 2022



RESERVED
N.T.S.

WD-1
13
WD-1
14
WD-1
17
NOT USED

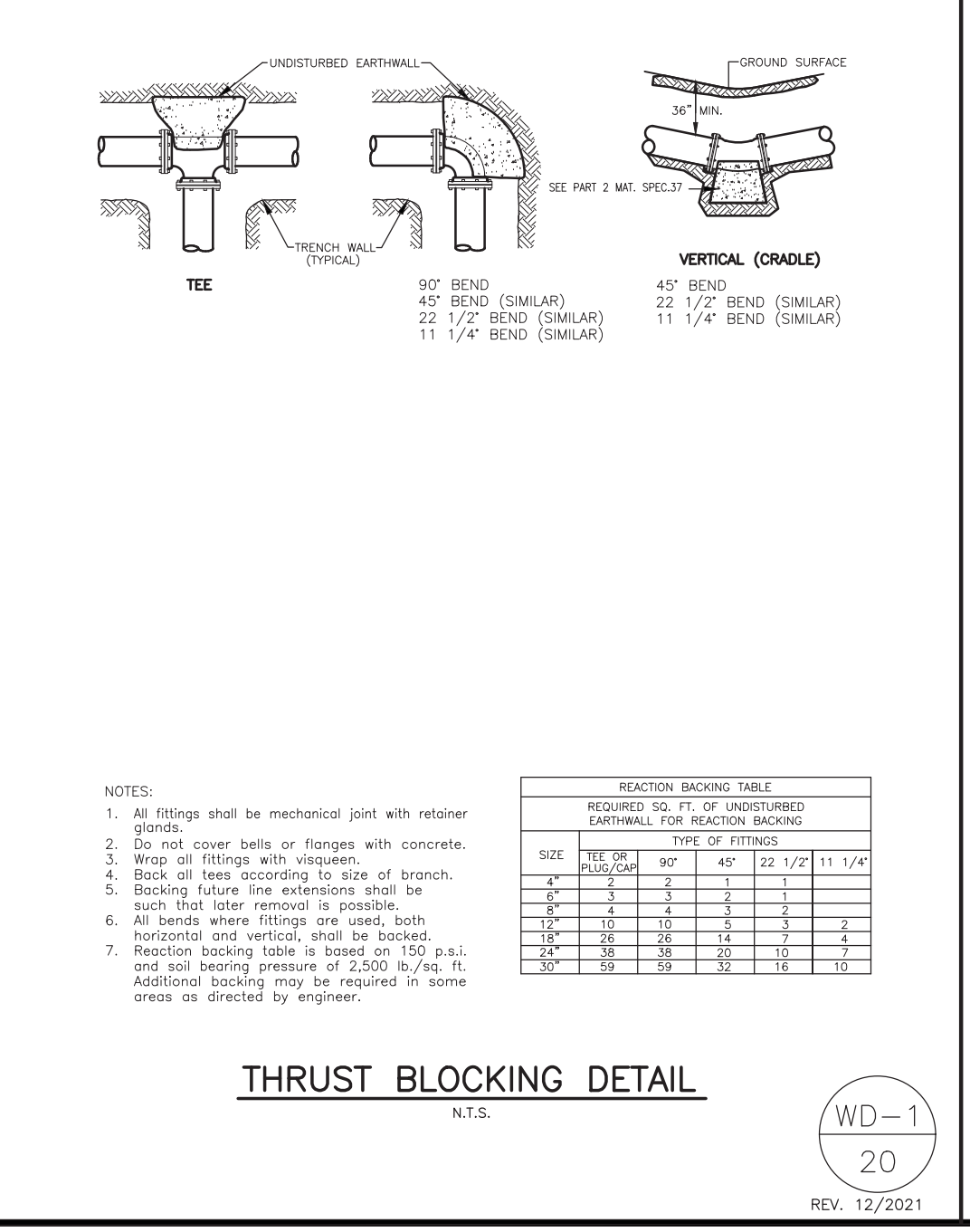


IN-BUILDING STAINLESS STEEL FIRE LINE RISER
N.T.S.

WD-1
11B
REV. 04/2021

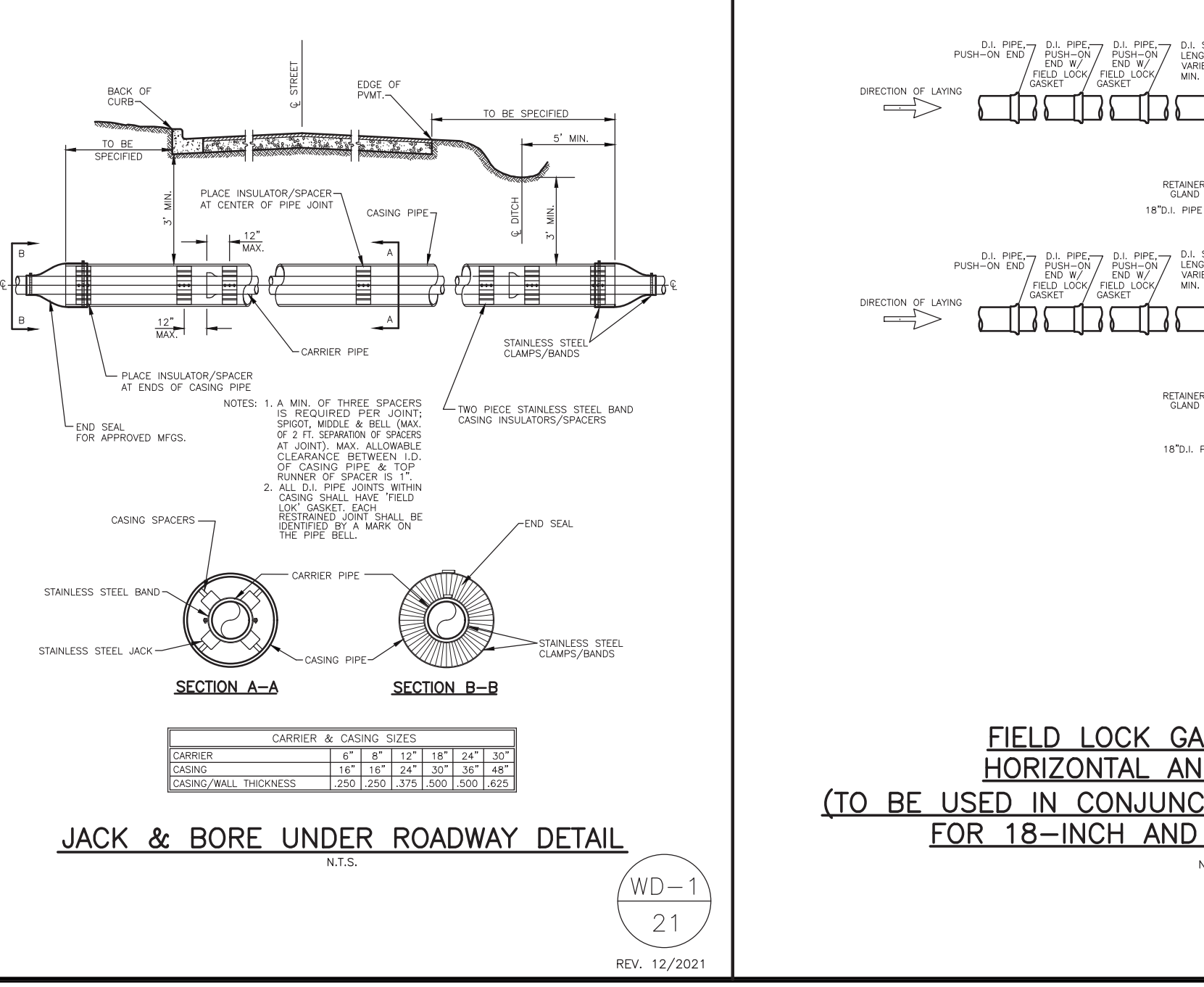
GENERAL CONSTRUCTION NOTES:

- The contractor will be held solely responsible for damage occurring to any property during the construction of this project. Said contractor shall take all necessary precautions to prevent property damage.
- In accordance with generally accepted construction practices, the contractor will be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours.
- The duty of Rogers Water Utilities to conduct construction inspection or review of the contractor's performance is not an inspection or review of the competency of the contractor's safety measures in, on, or near the construction site.
- All water and sewer improvements shall be constructed in accordance with the latest revision to the Rogers Water Utilities Standard Specifications.
- The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.
- Contractor is to remove and dispose of all debris, rubbish and other materials resulting from previous and current demolition operations. Disposal will be in accordance with all local, state and/or federal regulations governing such operations.
- Prior to installation of any utilities, the contractor is to excavate, verify, and calculate all crossings and inform the Rogers Water Utilities of all crossings prior to construction.
- Construction shall not start on any water utility until approval is given by Rogers Water Utilities. Said contractor shall not operate any valve, hydrant, or water utility appurtenance nor shall he attach to or tap any water utility main without approval. The contractor shall bear the cost and consequence of any disruption of utility operation caused by construction.



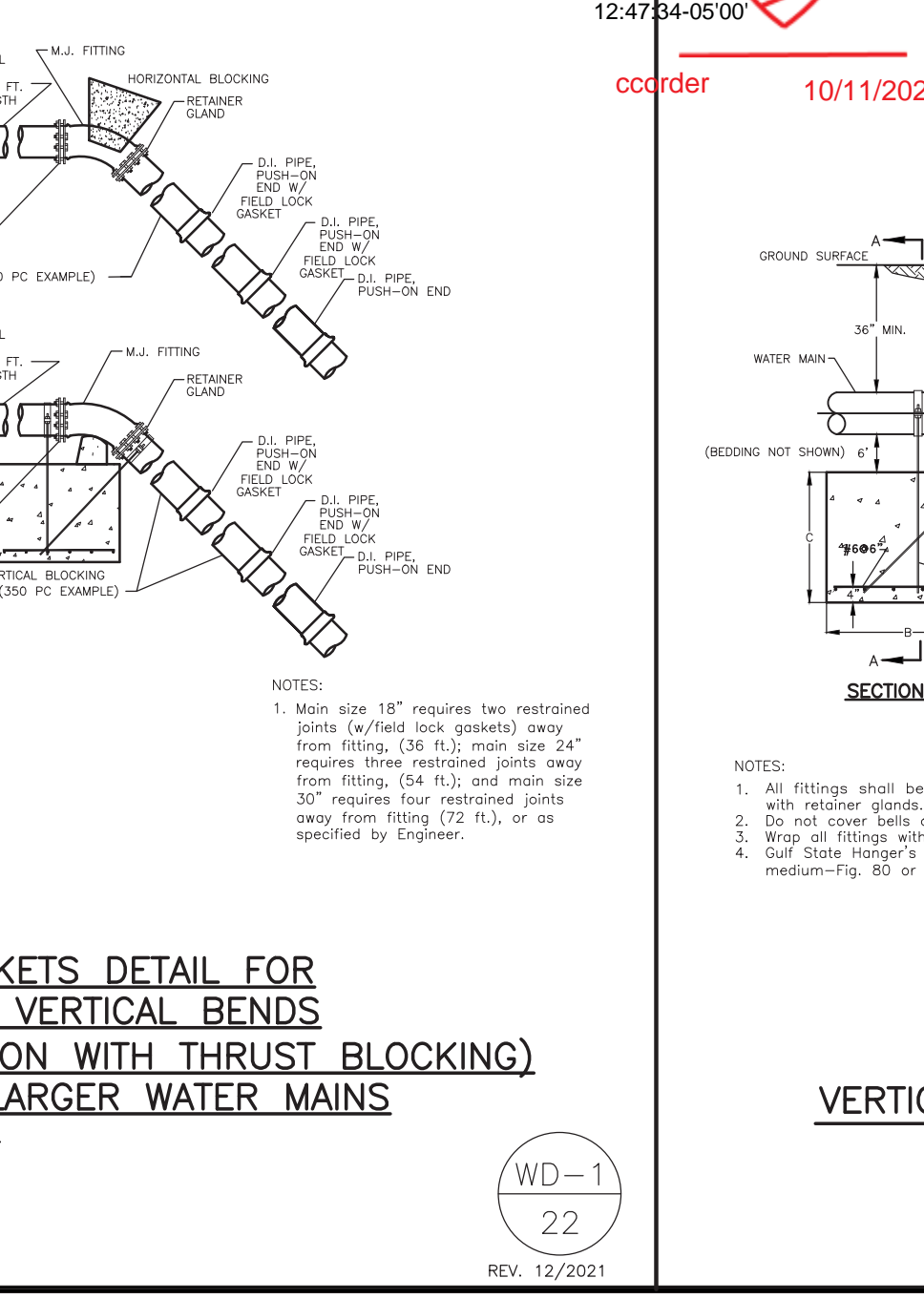
THRUST BLOCKING DETAIL
N.T.S.

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20
REV. 12/2021



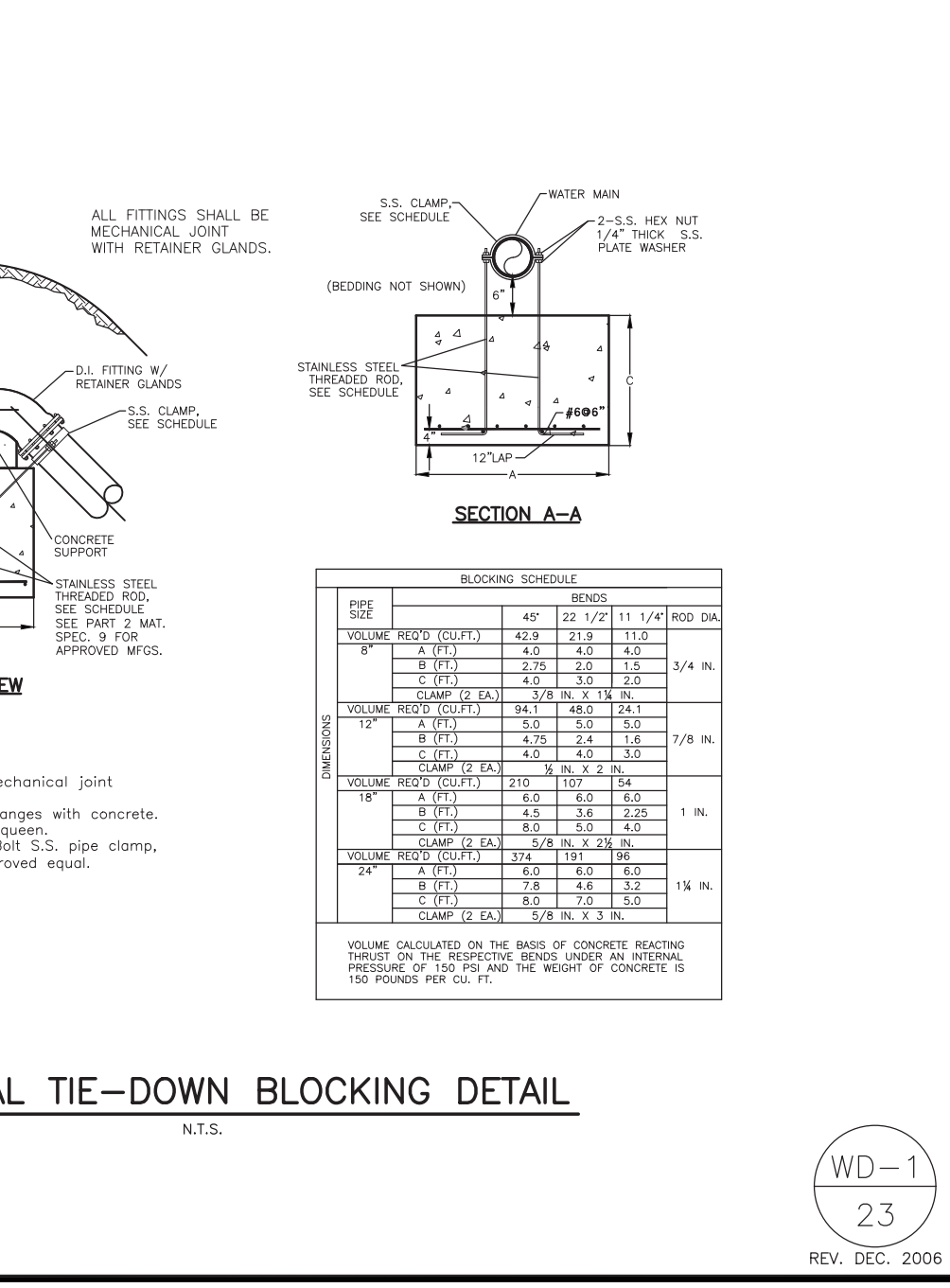
JACK & BORE UNDER ROADWAY DETAIL
N.T.S.

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REV. 12/2021



FIELD LOCK GASKETS DETAIL FOR HORIZONTAL AND VERTICAL BENDS (TO BE USED IN CONJUNCTION WITH THRUST BLOCKING) FOR 18-INCH AND LARGER WATER MAINS
N.T.S.

WD-1
22
REV. 12/2021



VERTICAL TIE-DOWN BLOCKING DETAIL
N.T.S.

WD-1
23
REV. DEC. 2006

GUARDPOST DETAIL
N.T.S.

WD-1
24
REV. 12/2021

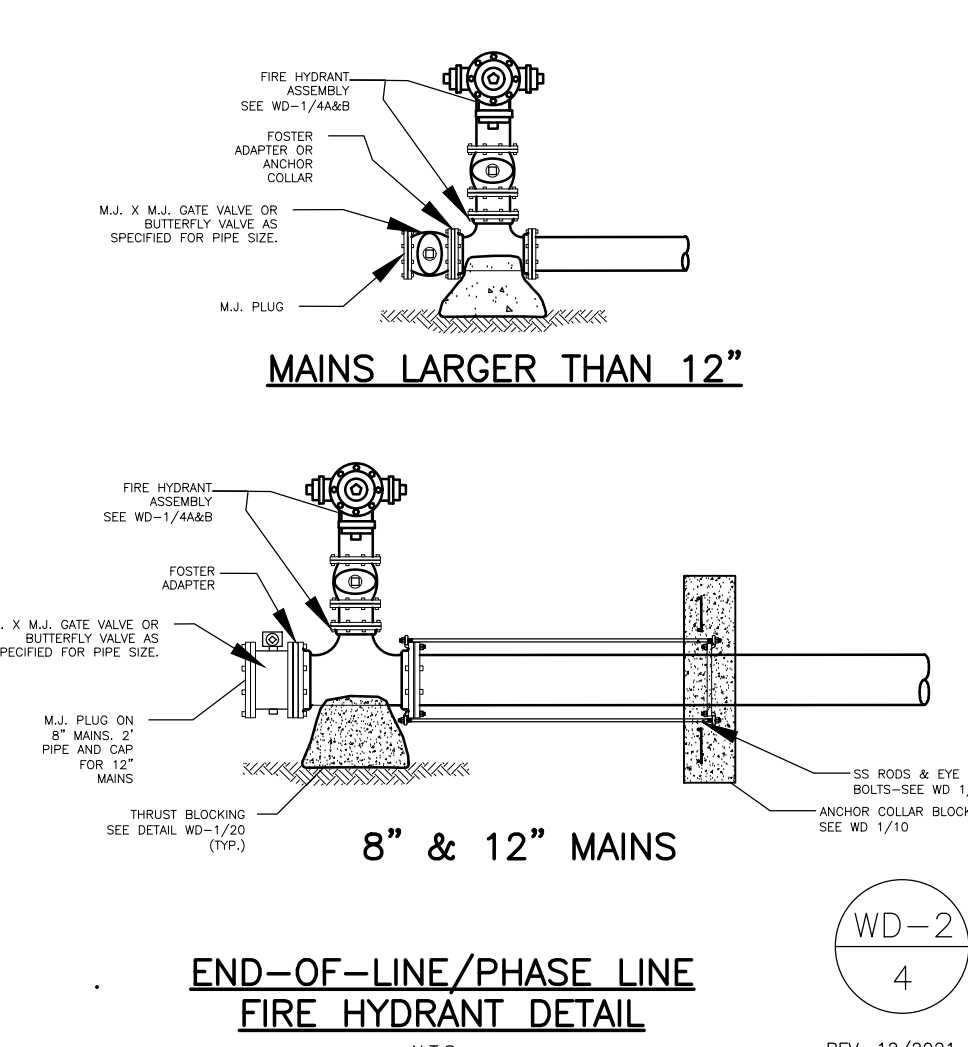
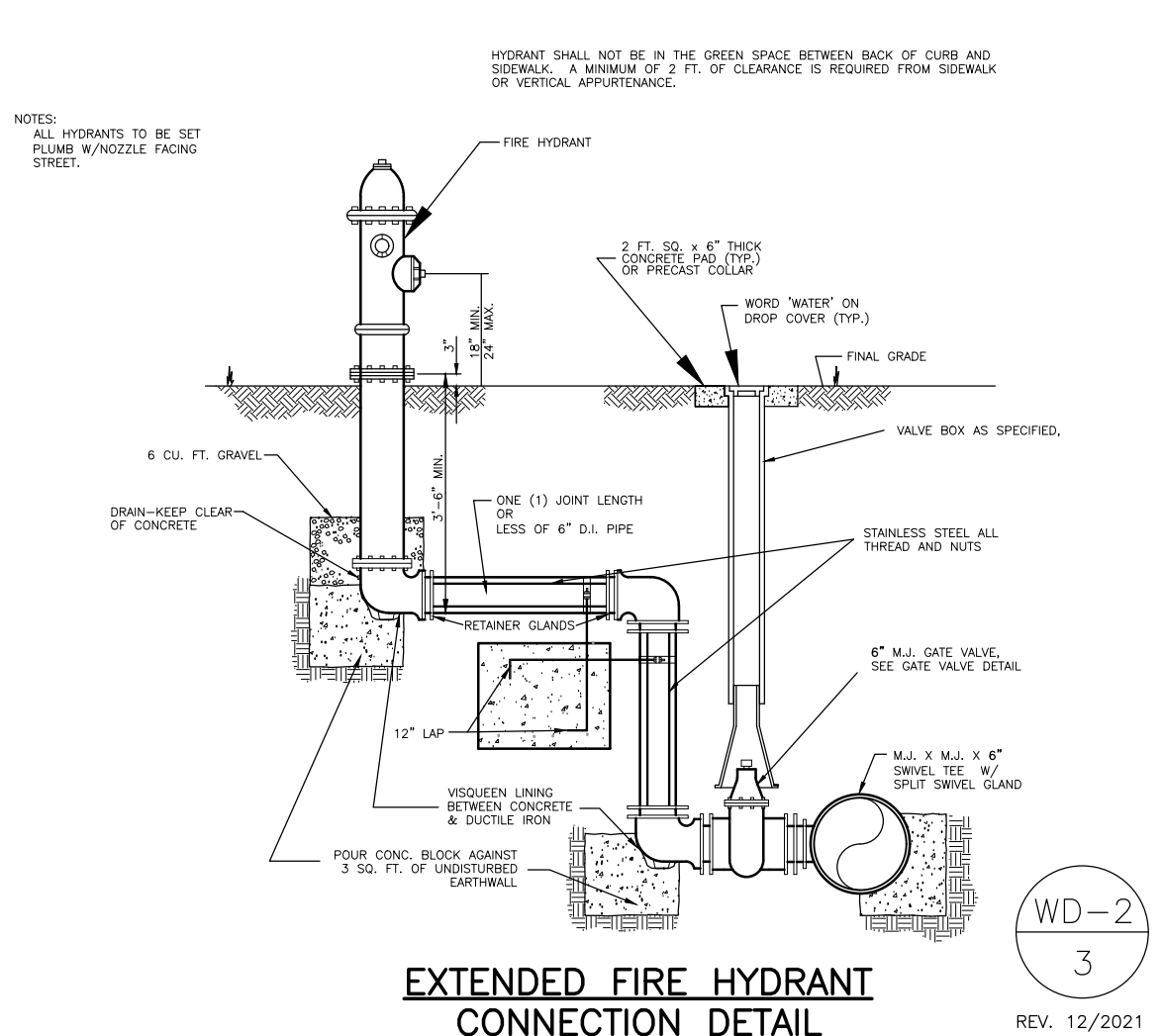
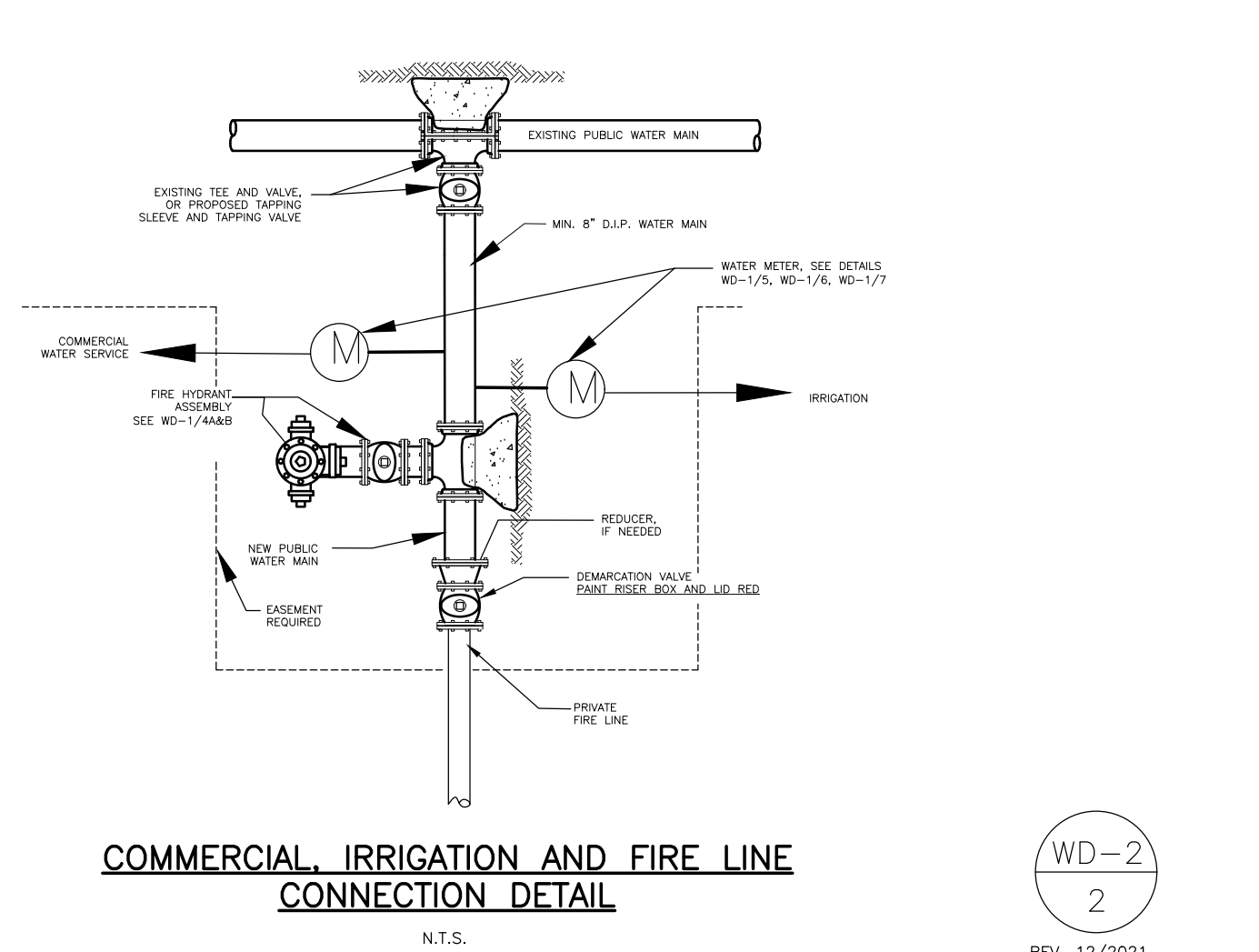
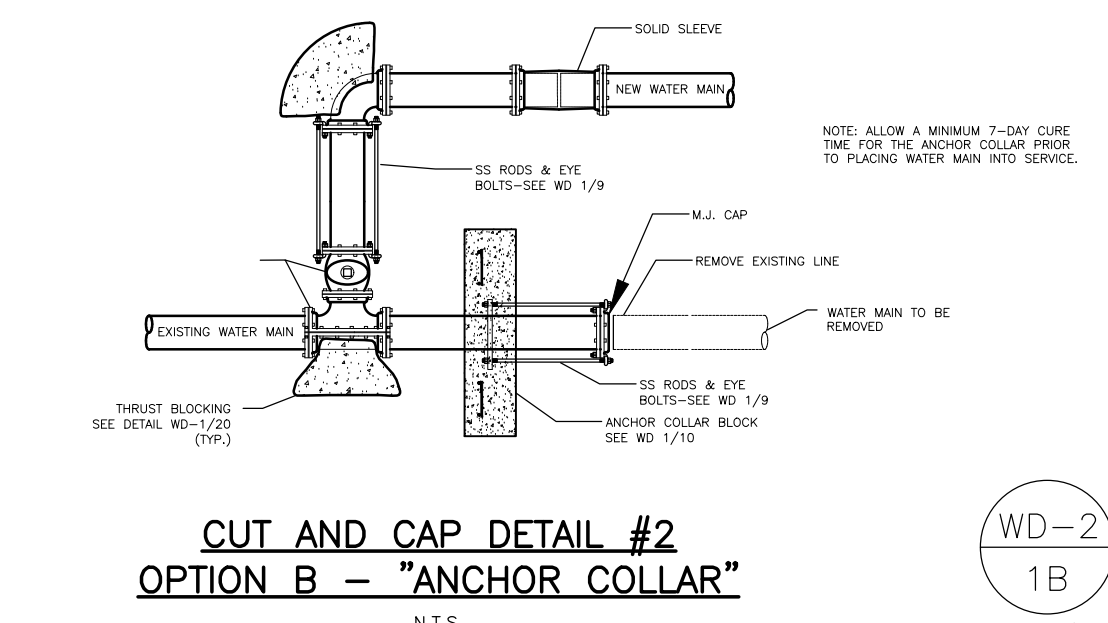
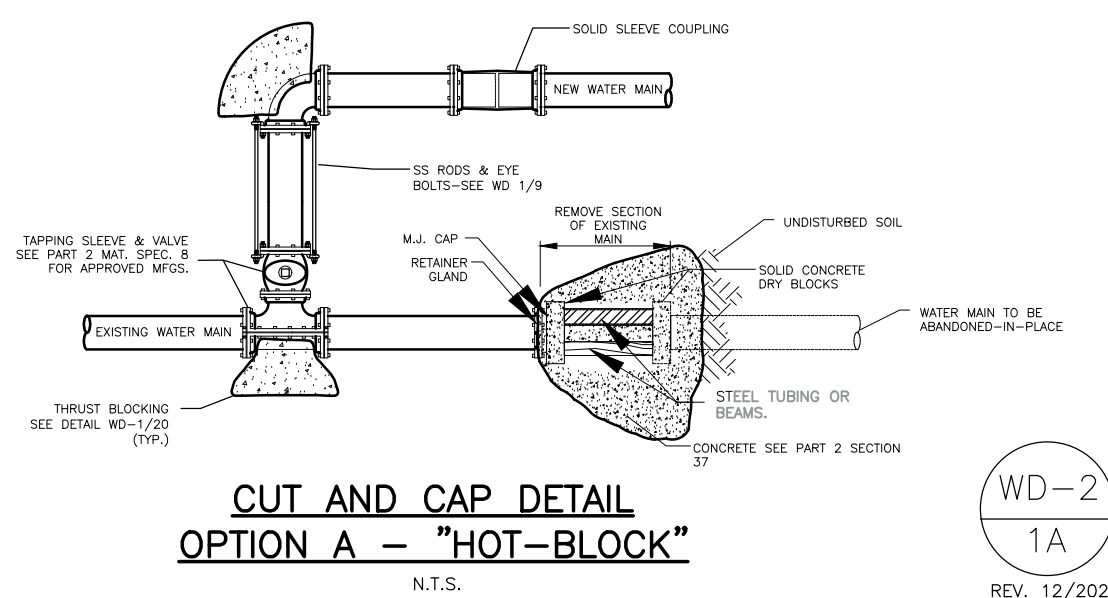
WATER DETAILS

P.O. DRAWER 338
601 SOUTH 2ND ROGERS, ARKANSAS
72757-0338

REVISION DATE: **9/20/2022**

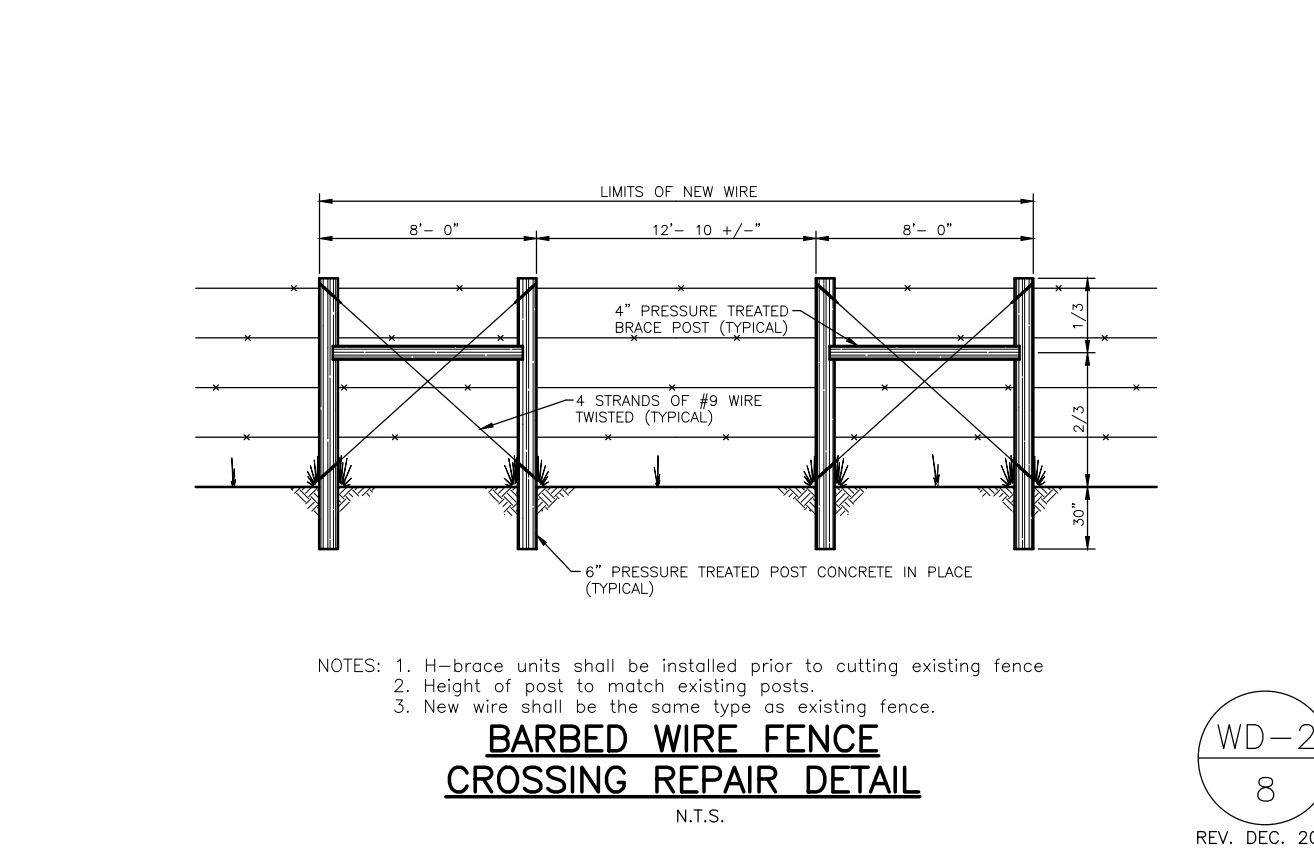
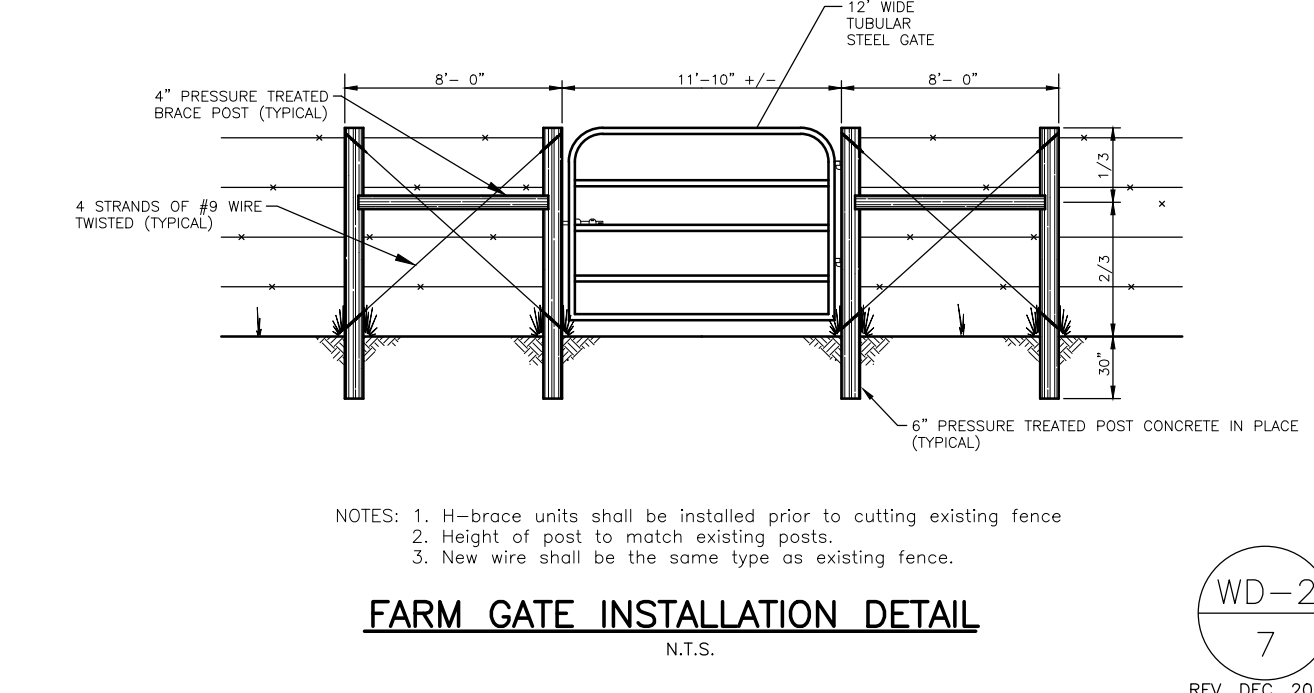
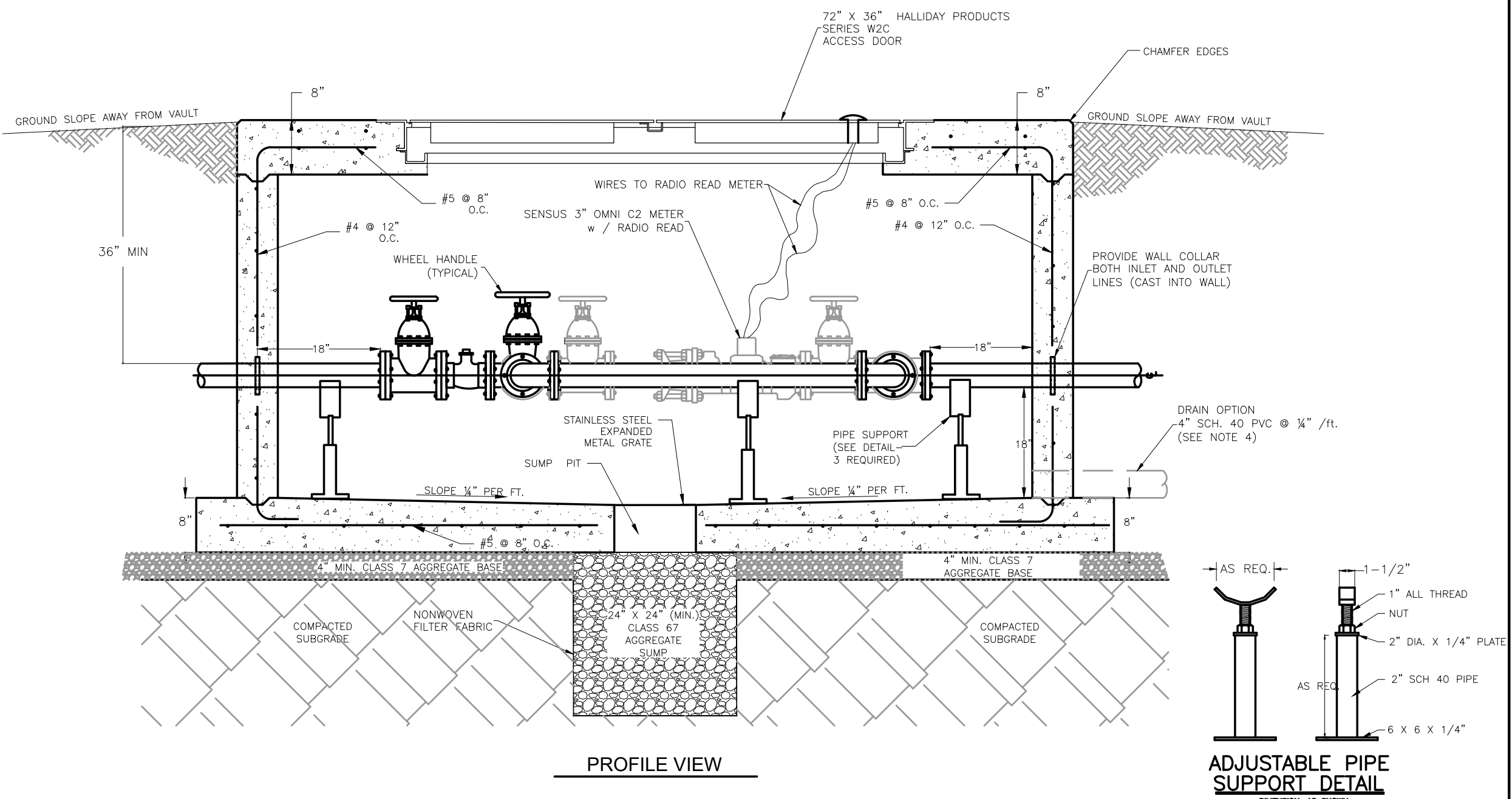
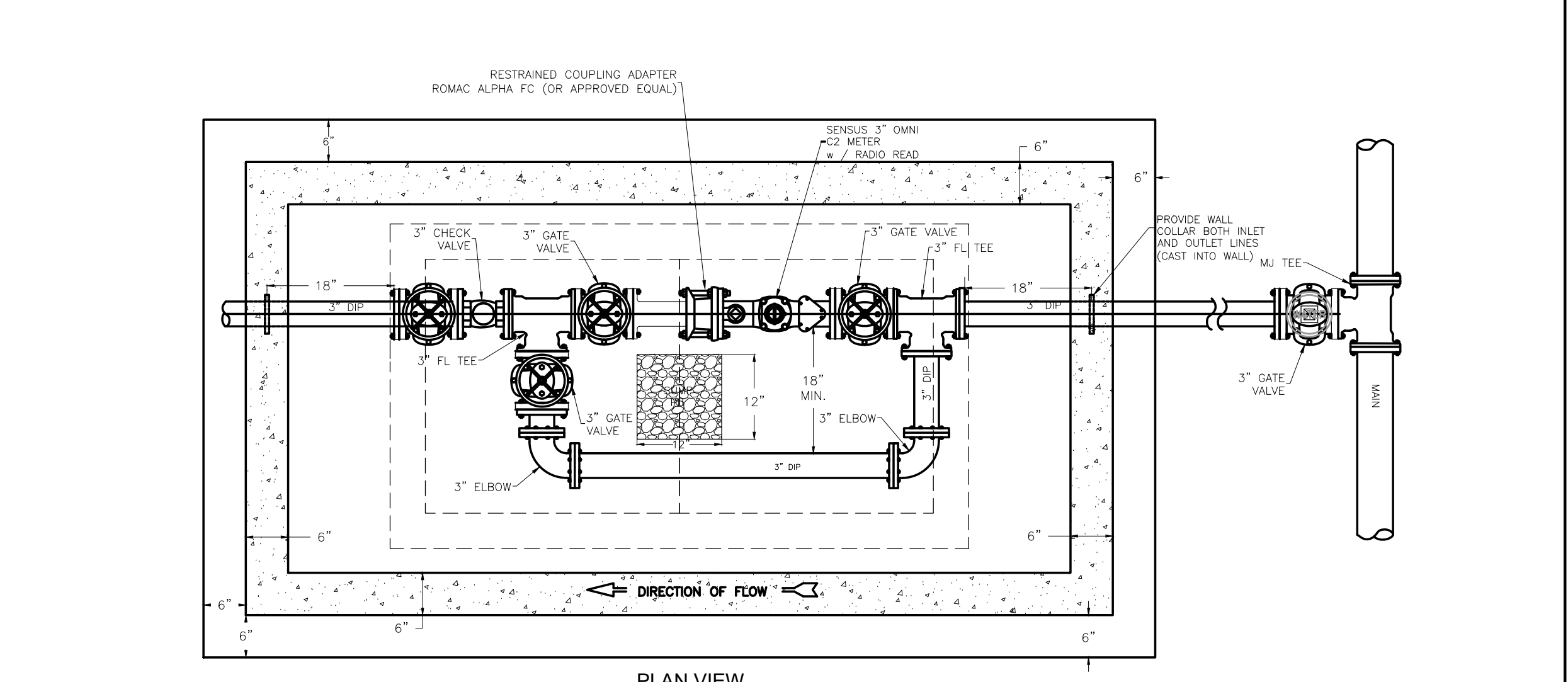
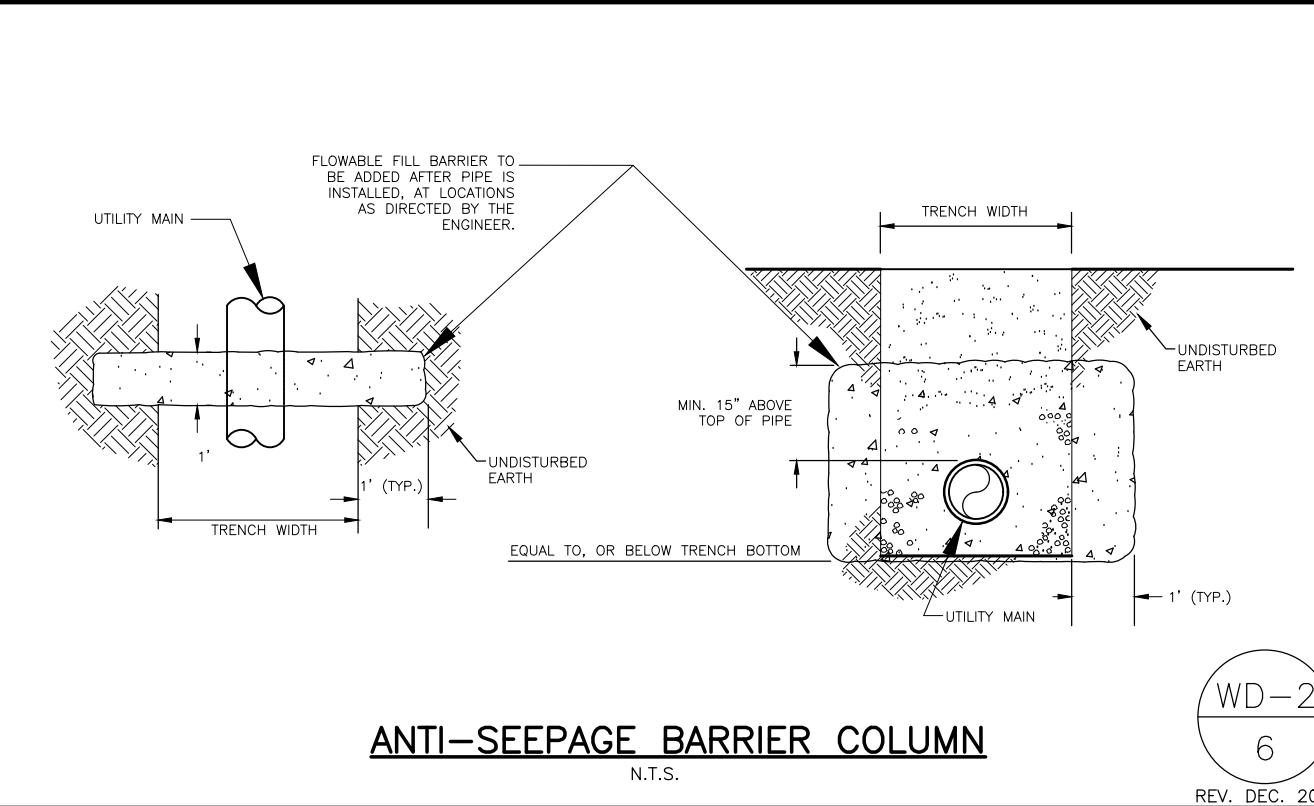
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ADH # 115198 D1 A1 Rogers Standard Details 20220929
Digitally signed by Craig Cordeiro Date: 2022.10.11 12:47:34-0500



RESERVED

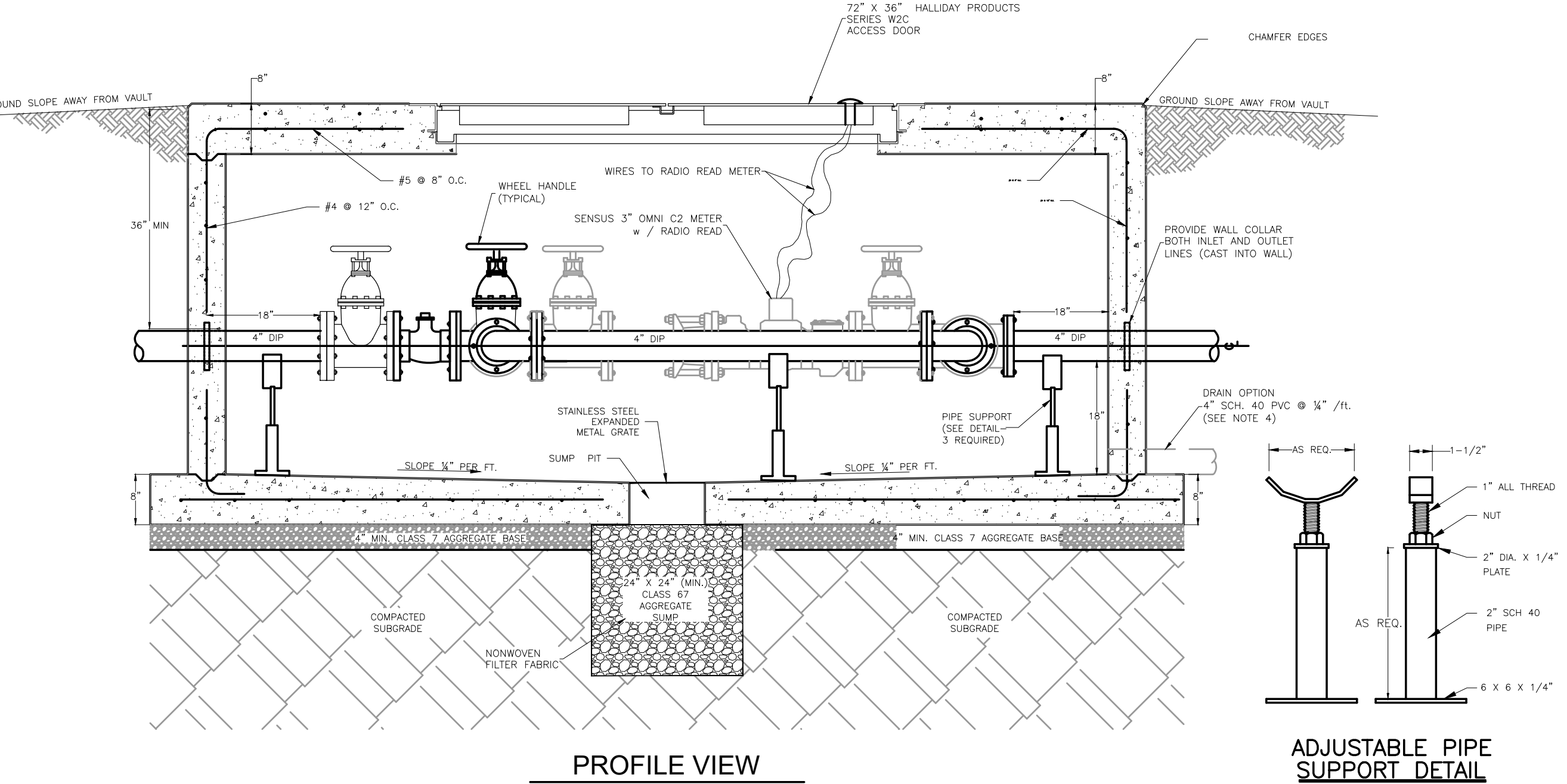
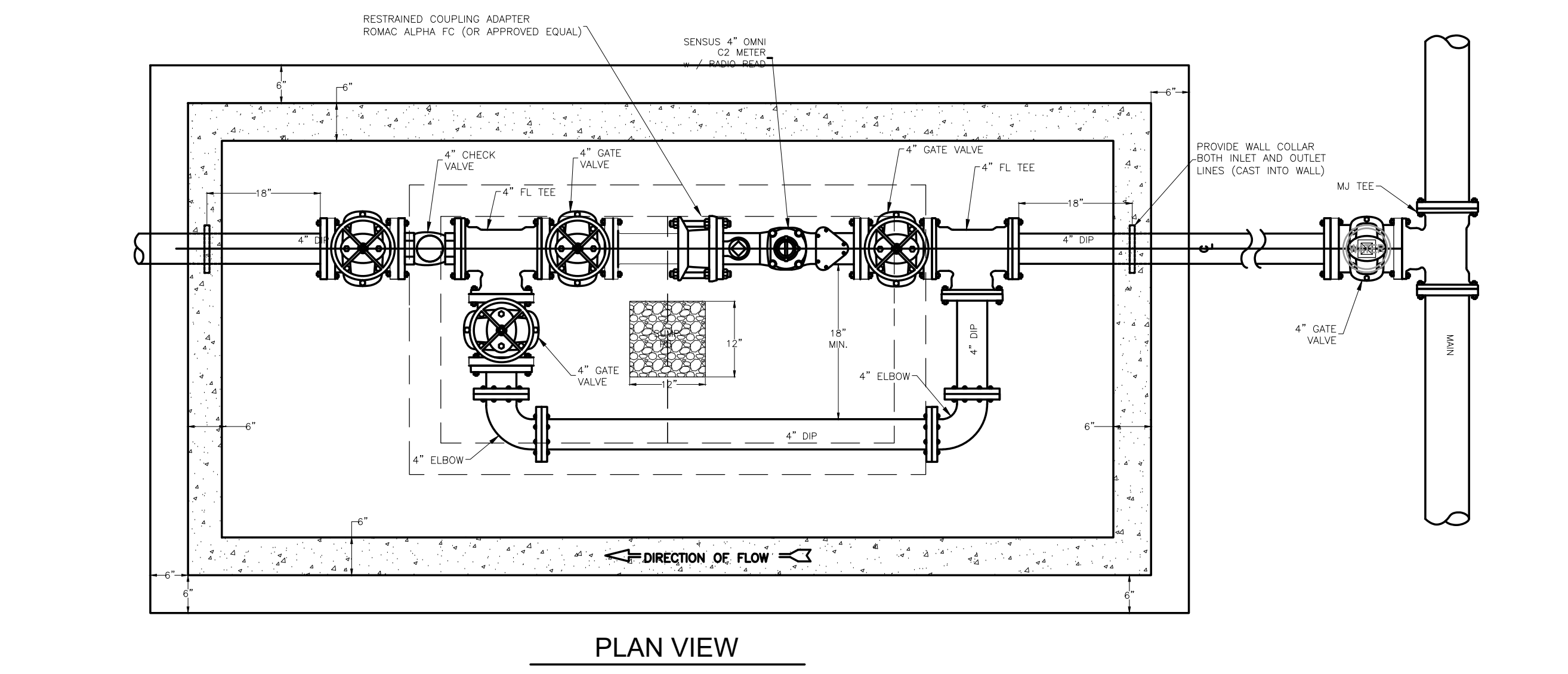
WD-2
5
REV. 12/2021



**3-INCH METER VAULT
NTS**

WD-2
9
REV. 09/2022

NOTES:
1) METERS WILL BE INCLUDED WITH THE INSTALLATION TO ENSURE PROPER FIT.
2) ALL BOLTS TO BE STAINLESS STEEL.
3) SLOPE FLOOR TO DRAIN.
4) IF POSSIBLE, PROVIDE 4" PVC DRAIN TO DAYLIGHT OR STORM SEWER. PROVIDE PVC CHECK IN DRAIN PIPE. THE AGGREGATE SUMP IS NOT REQUIRED IN THIS CASE.
5) CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
6) CONTRACTOR SHALL VERIFY ALL PART DIMENSIONS
7) ALL MATERIALS AND LABOR FOR 3" METER VAULTS (INCLUDING METER) SHALL BE PROVIDED BY THE CONTRACTOR.



**4-INCH METER VAULT
NTS**

WD-2
10
REV. 09/2022

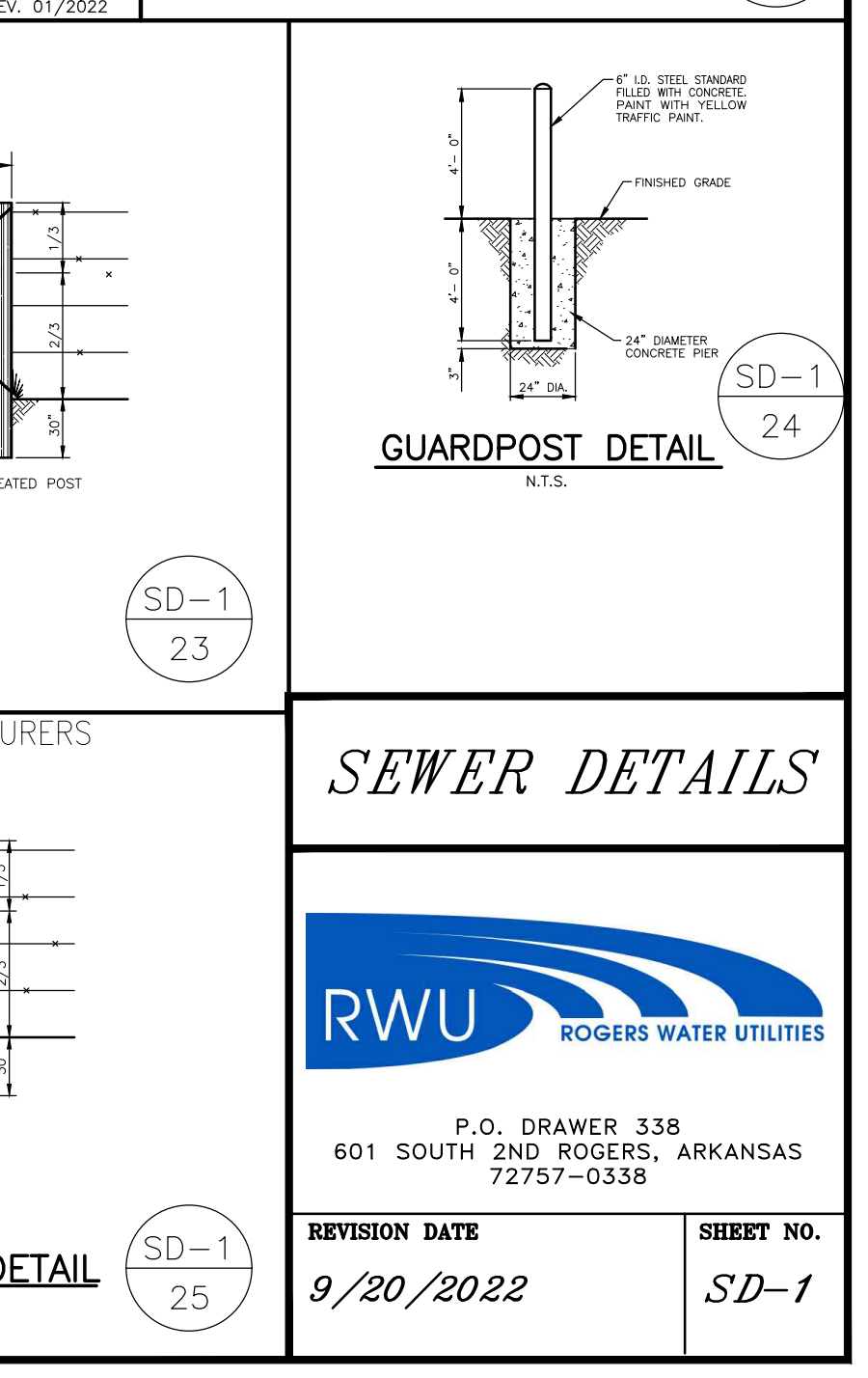
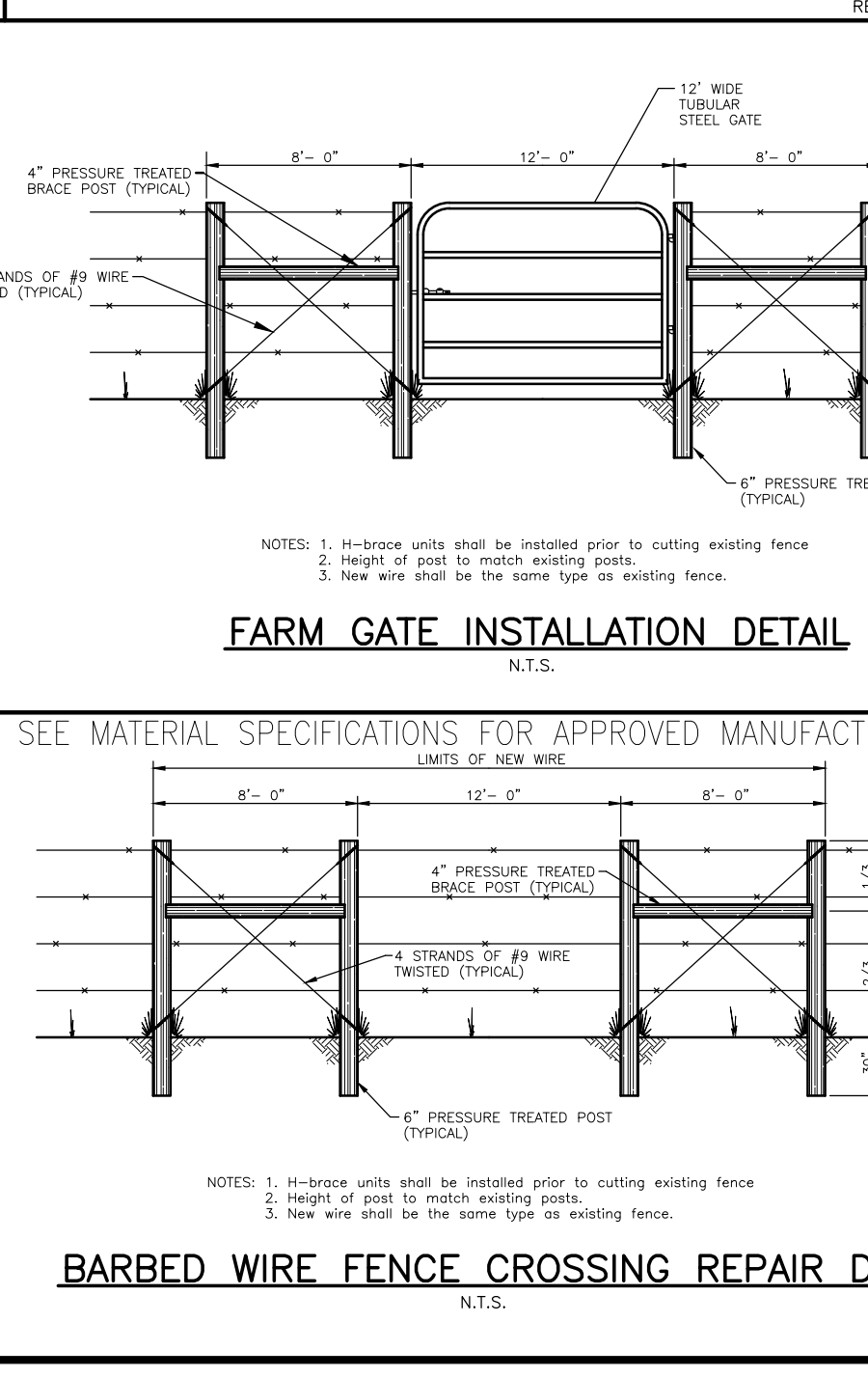
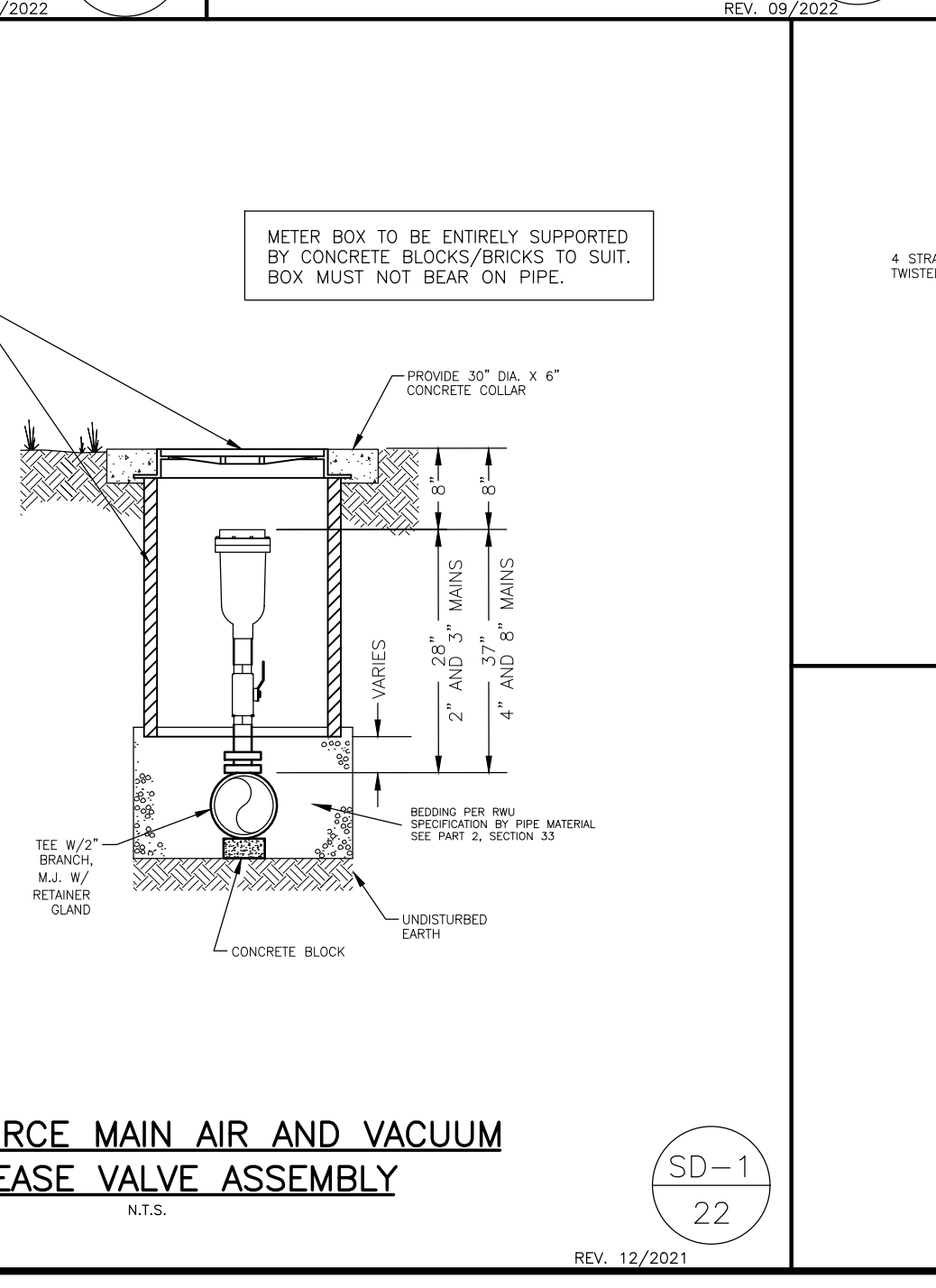
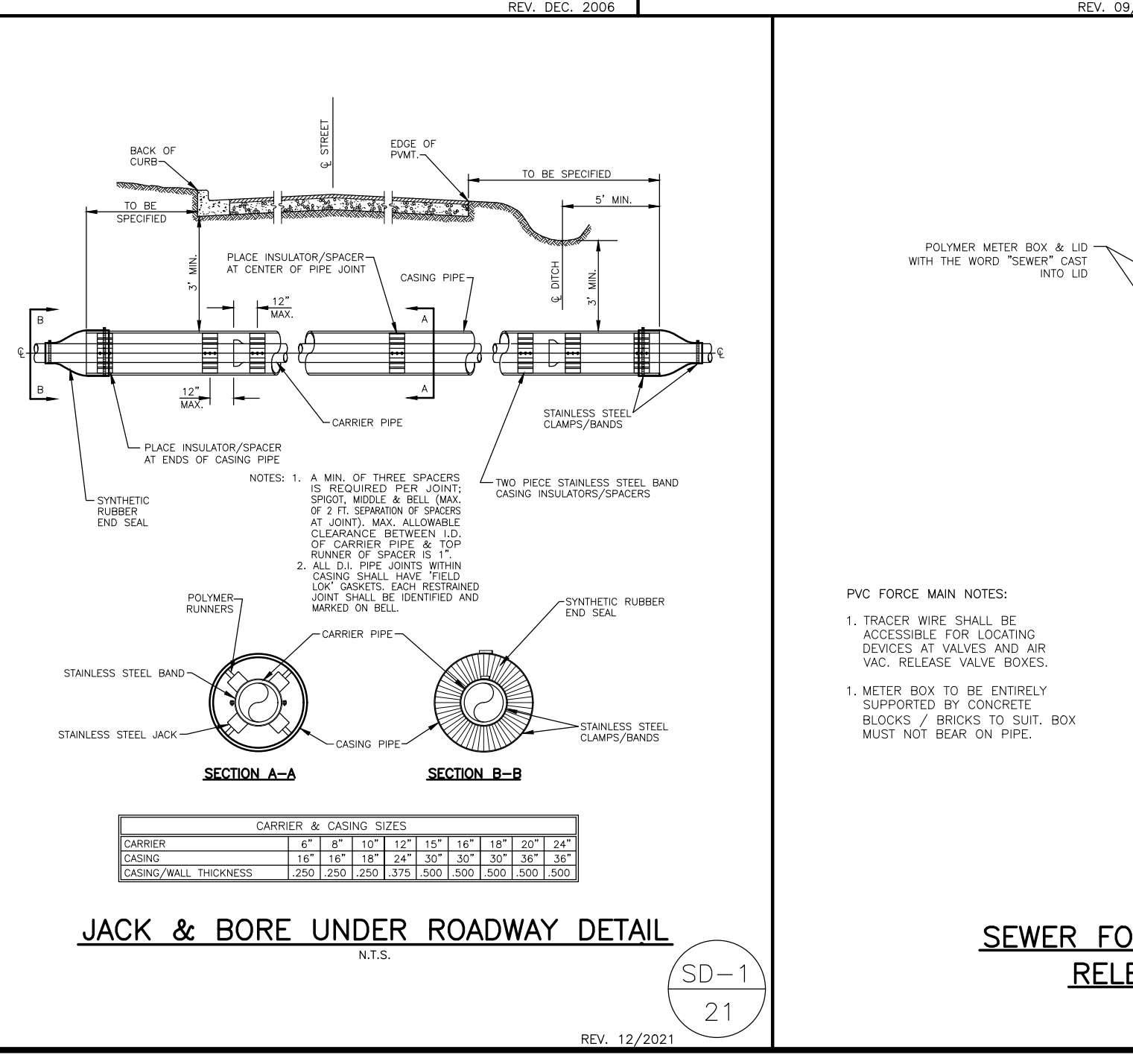
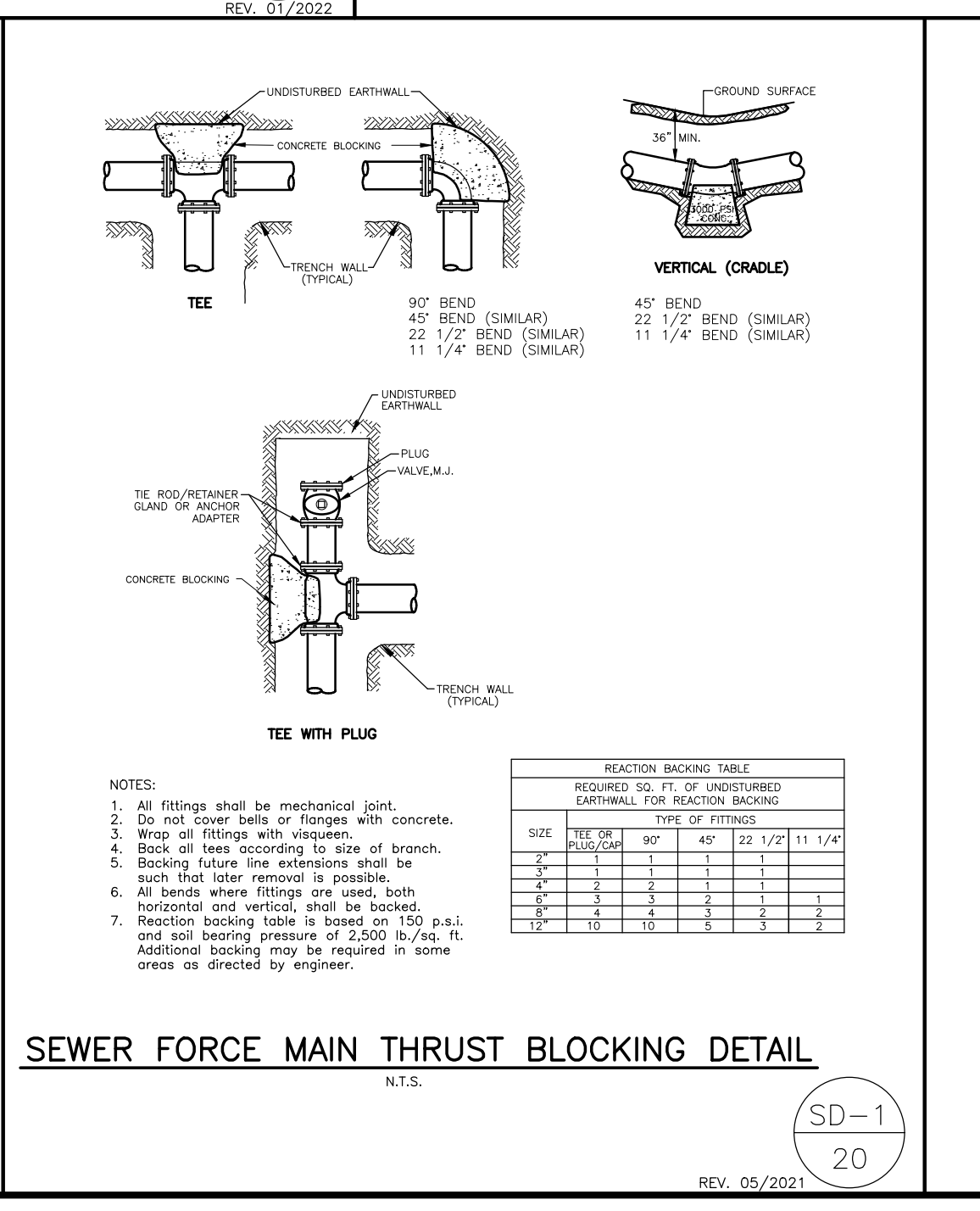
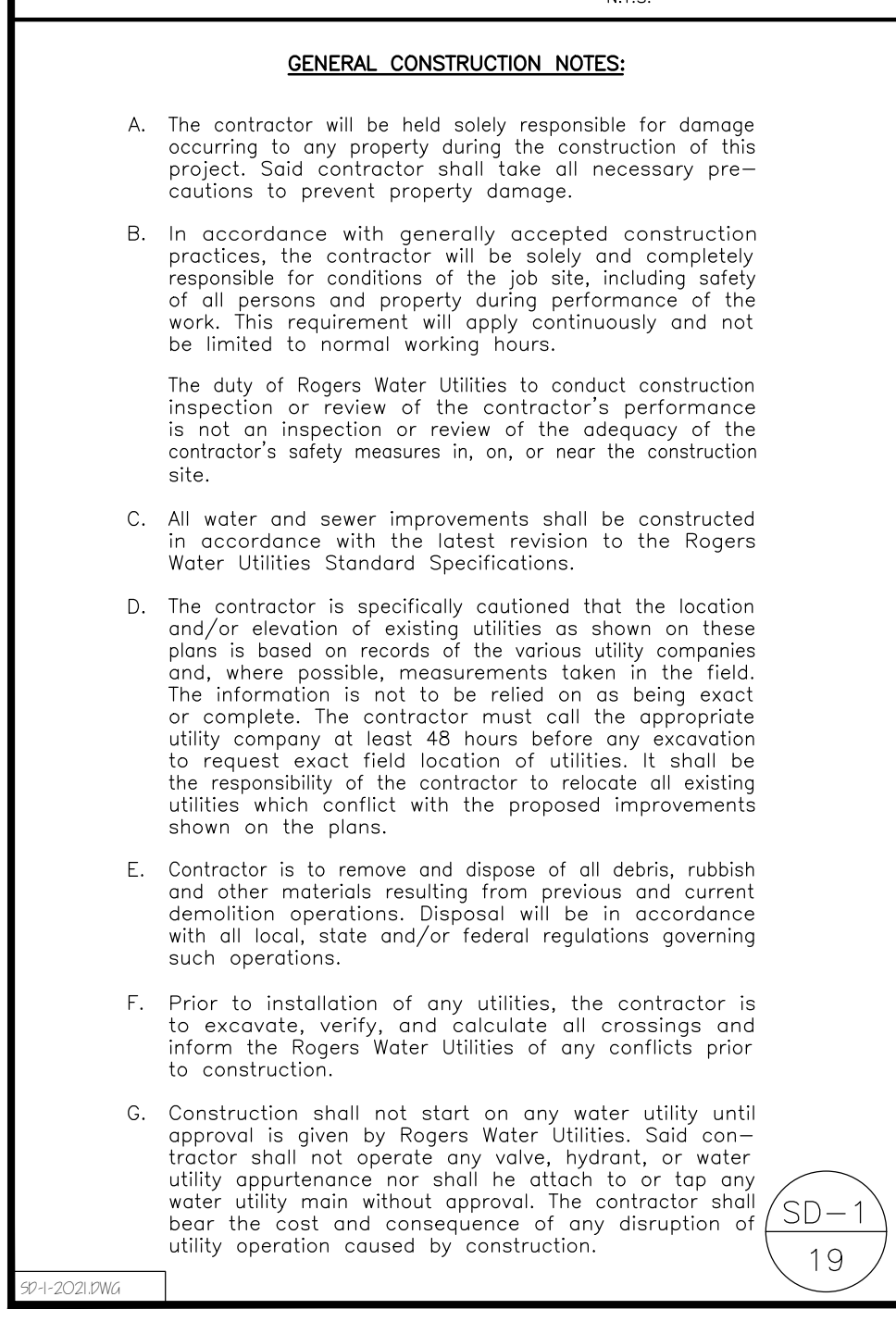
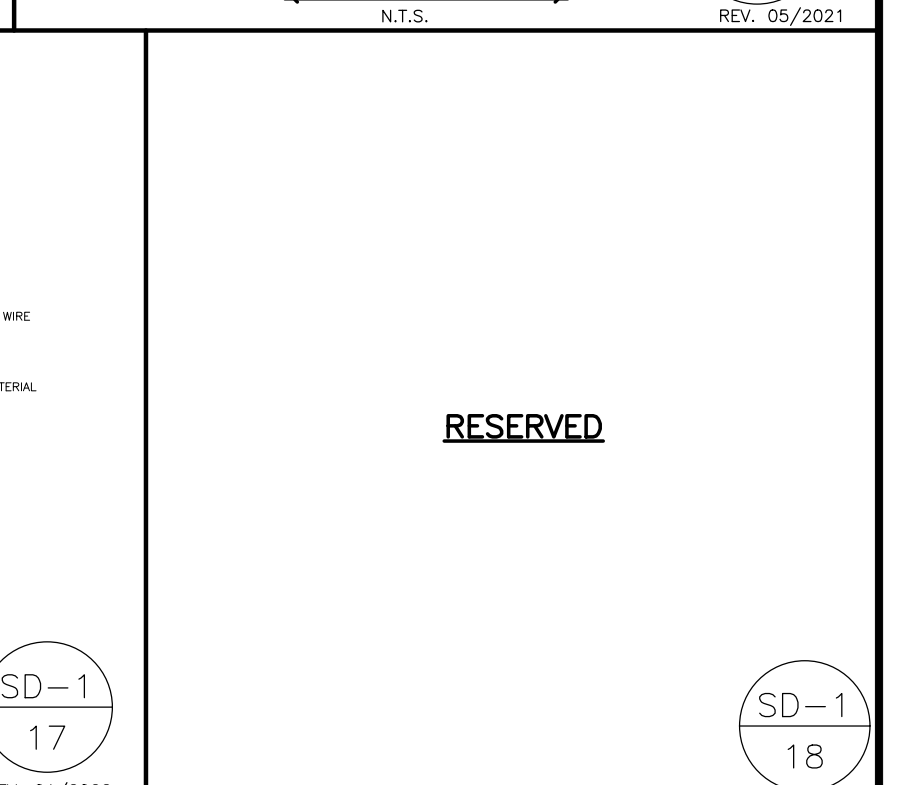
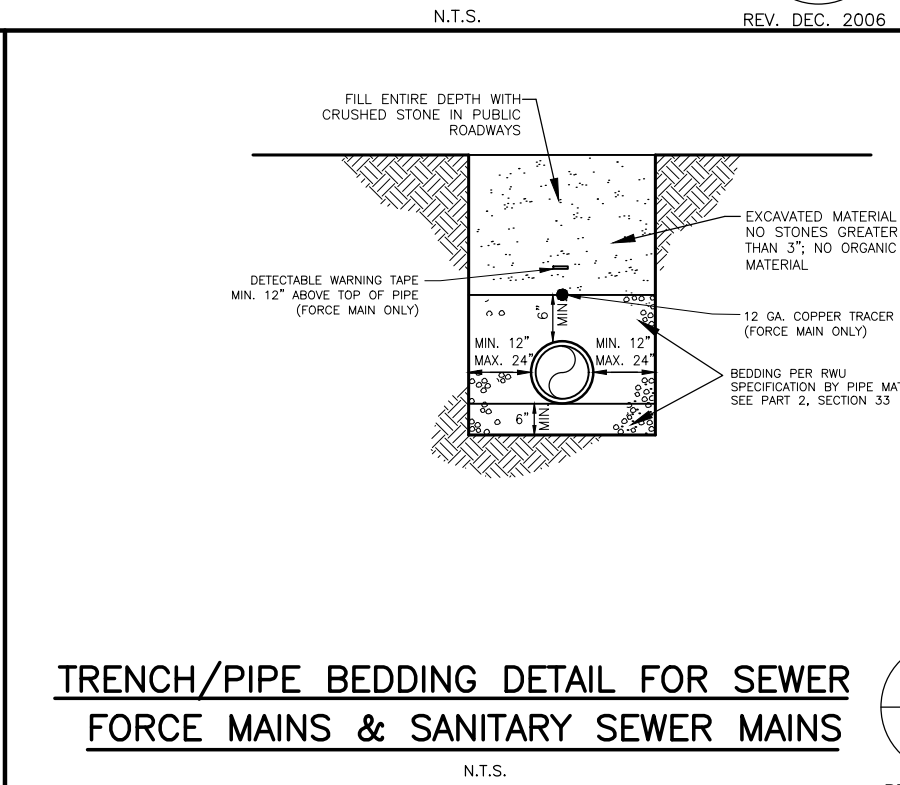
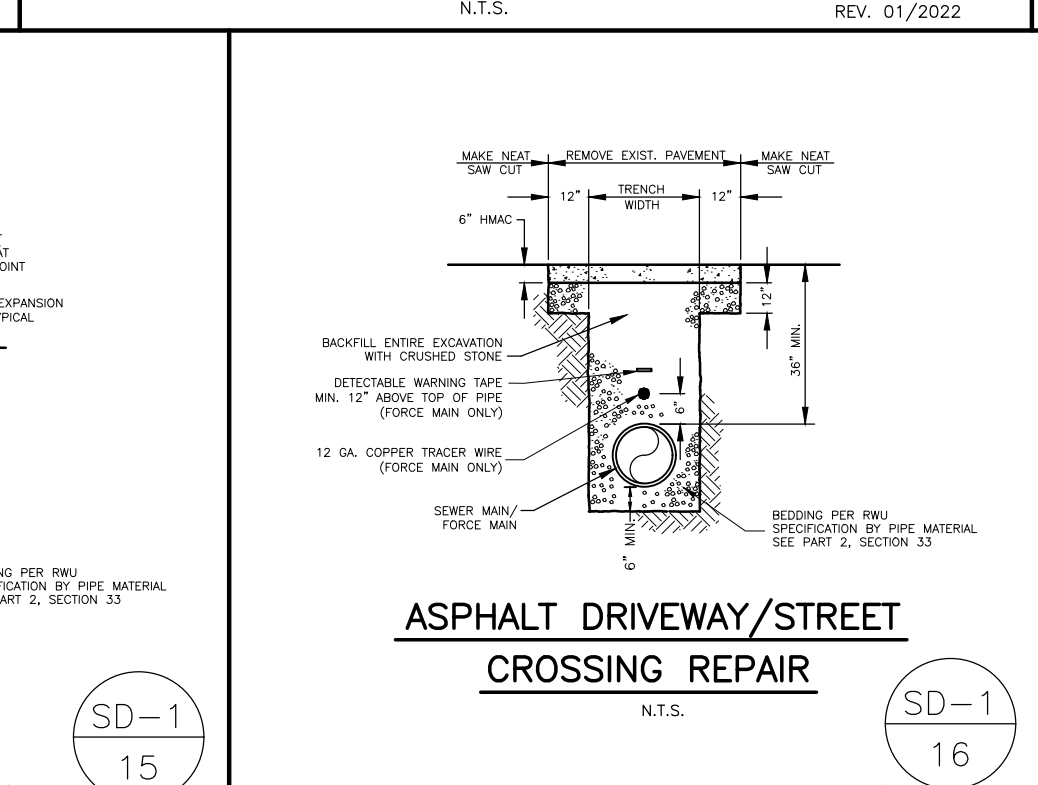
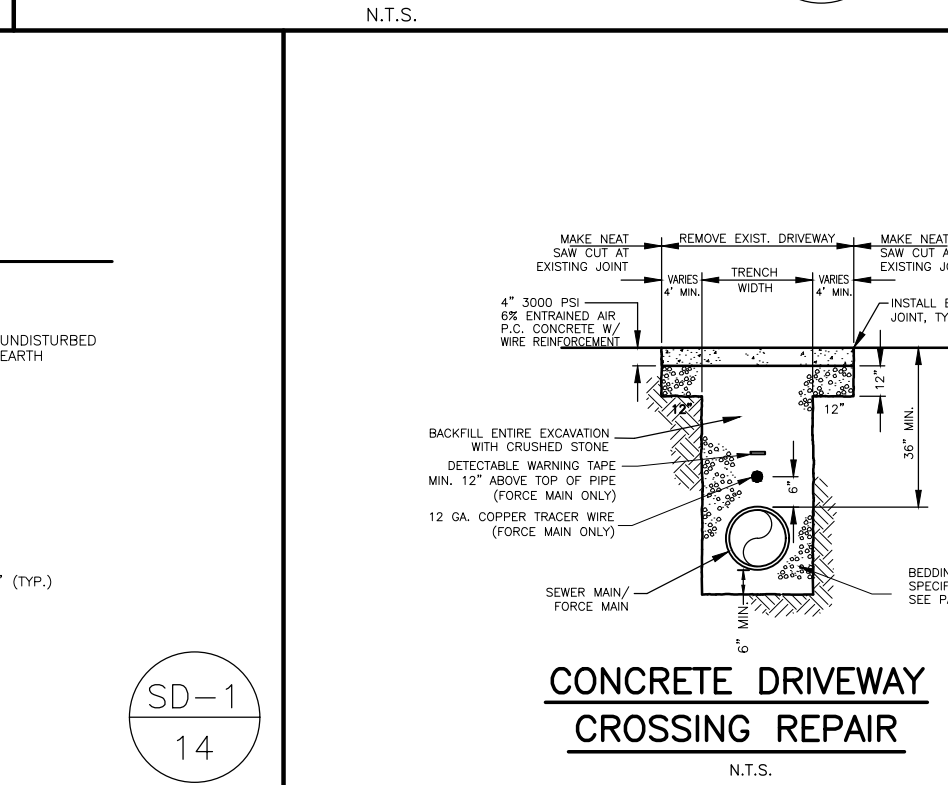
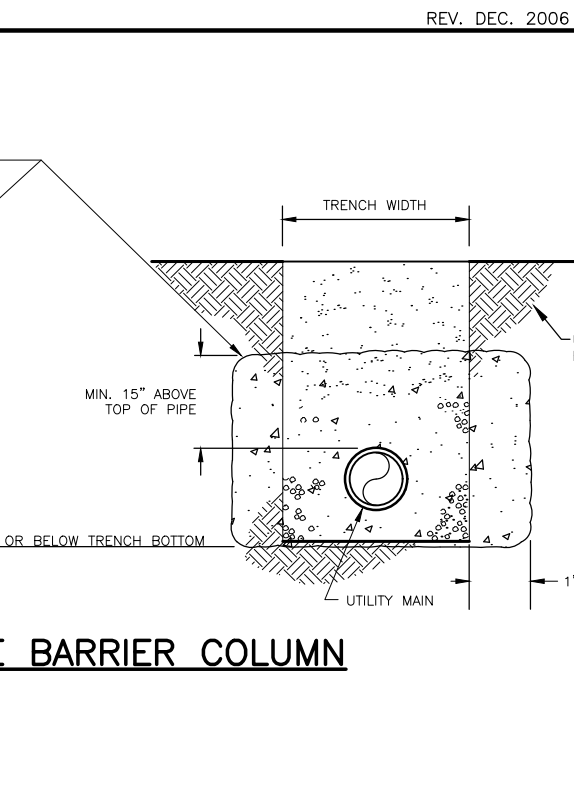
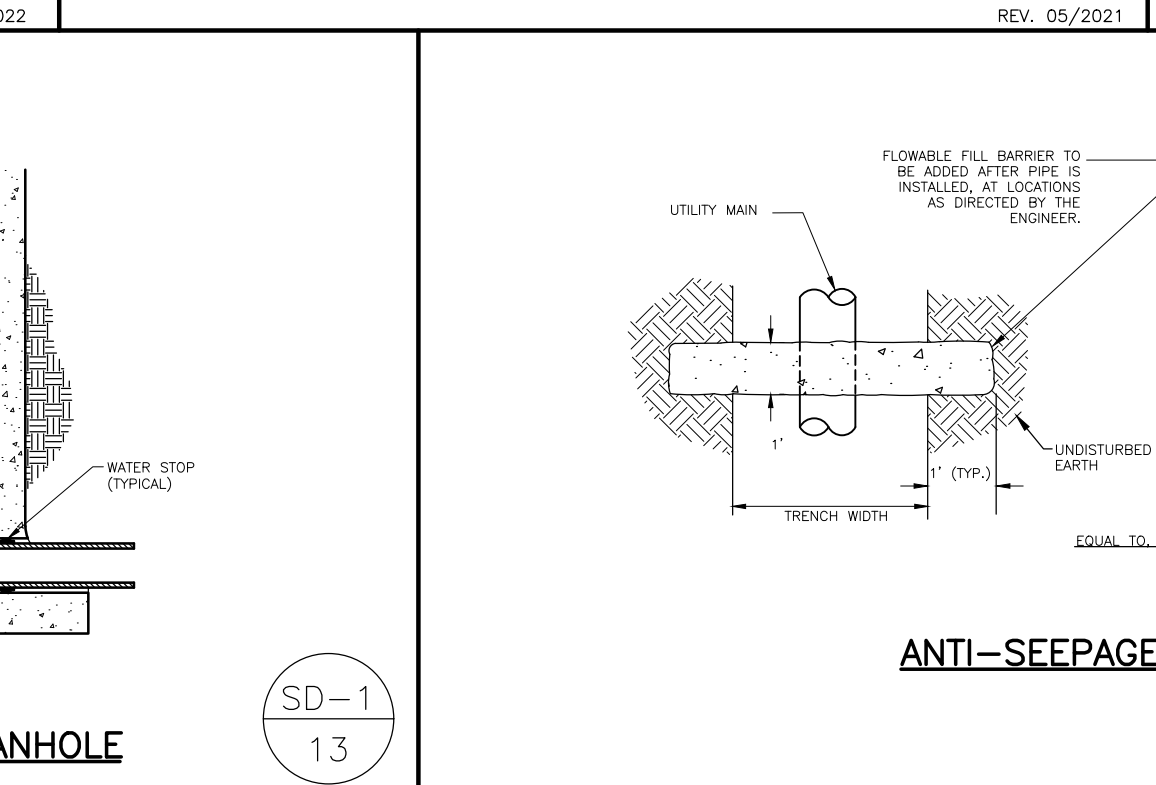
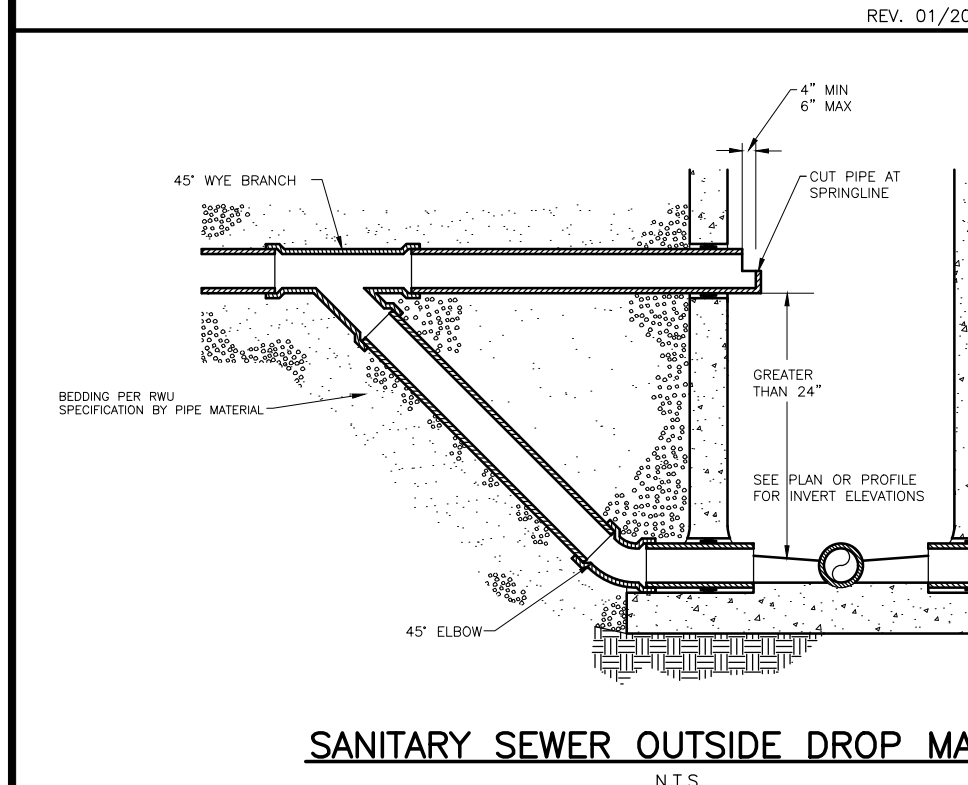
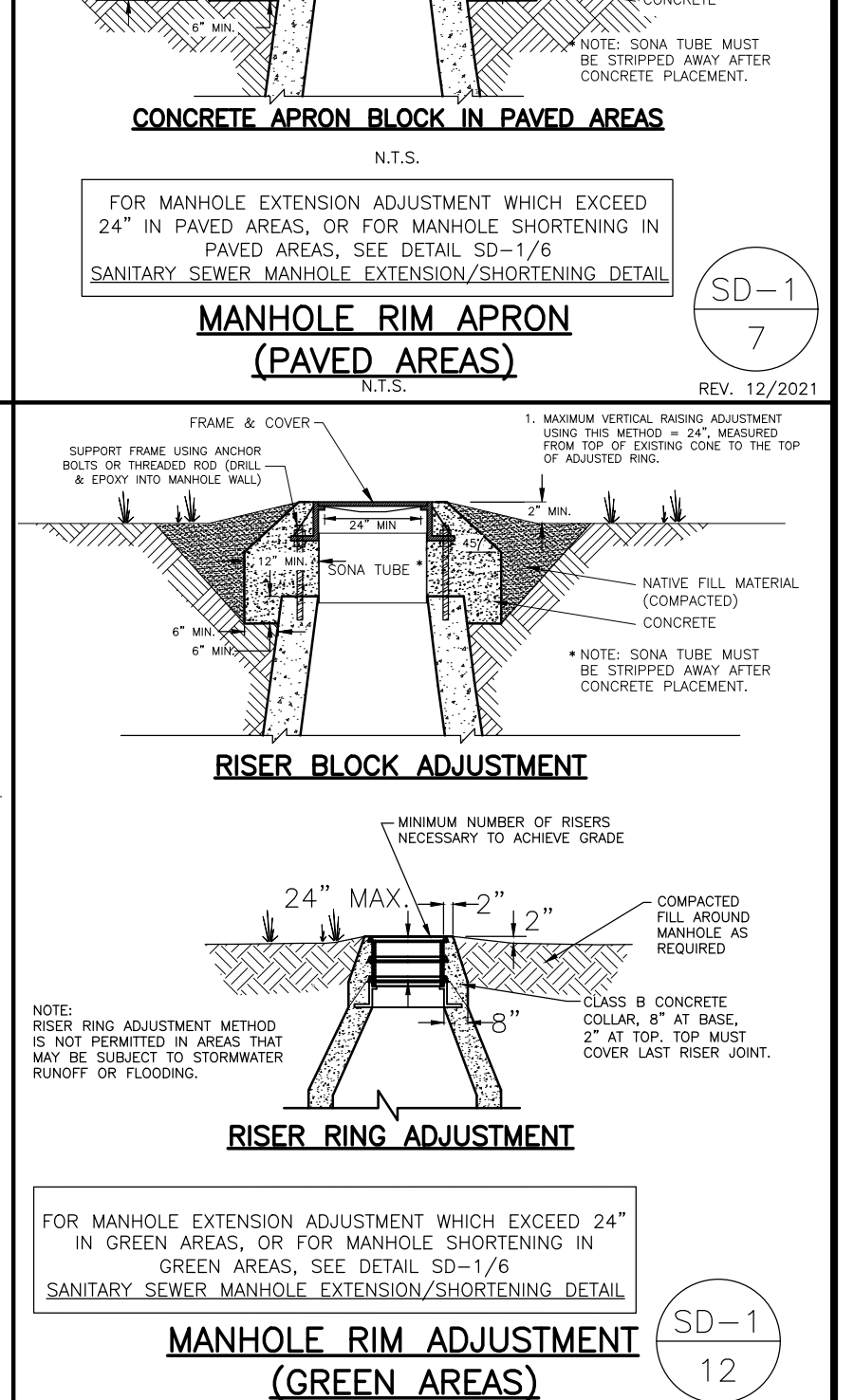
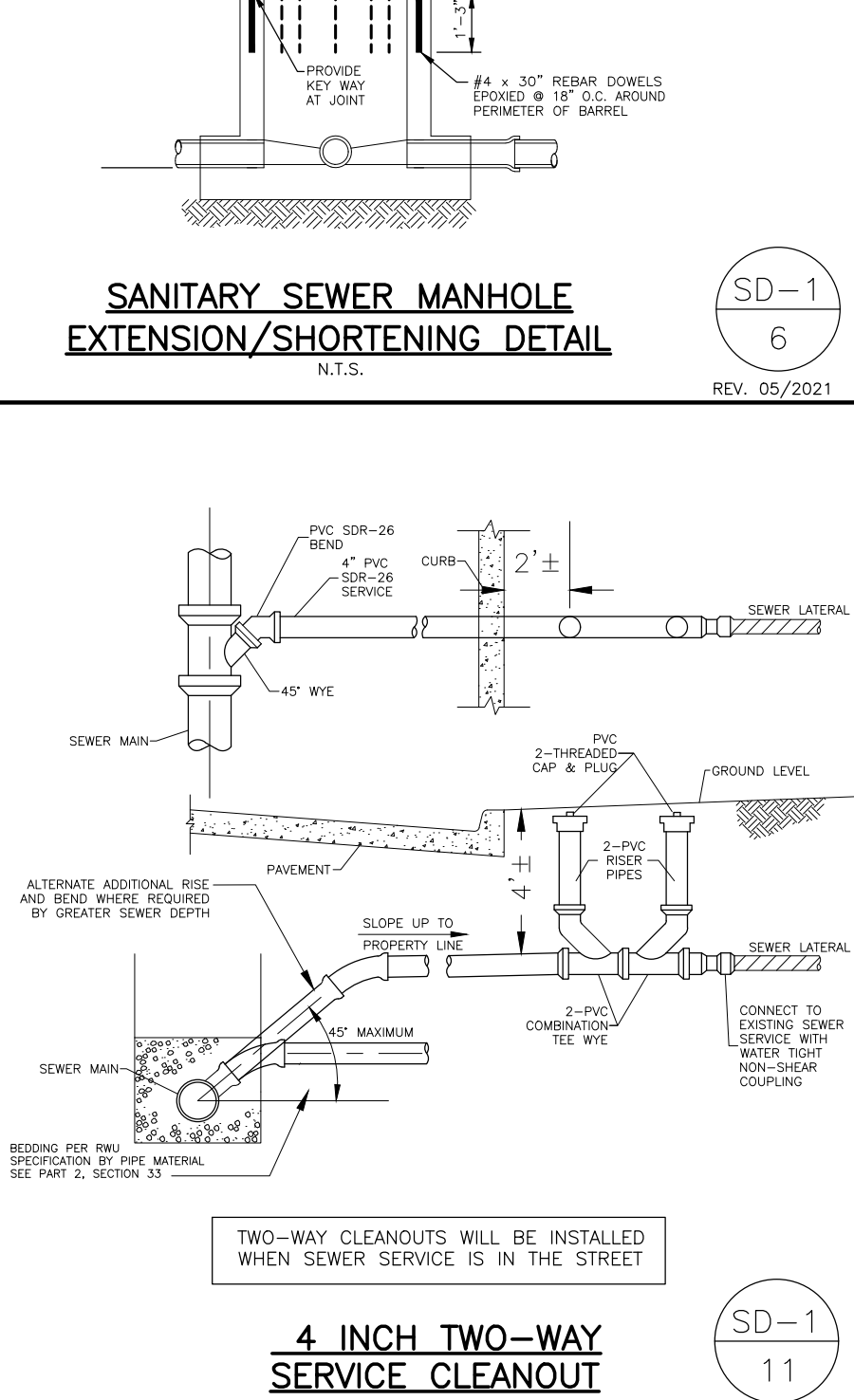
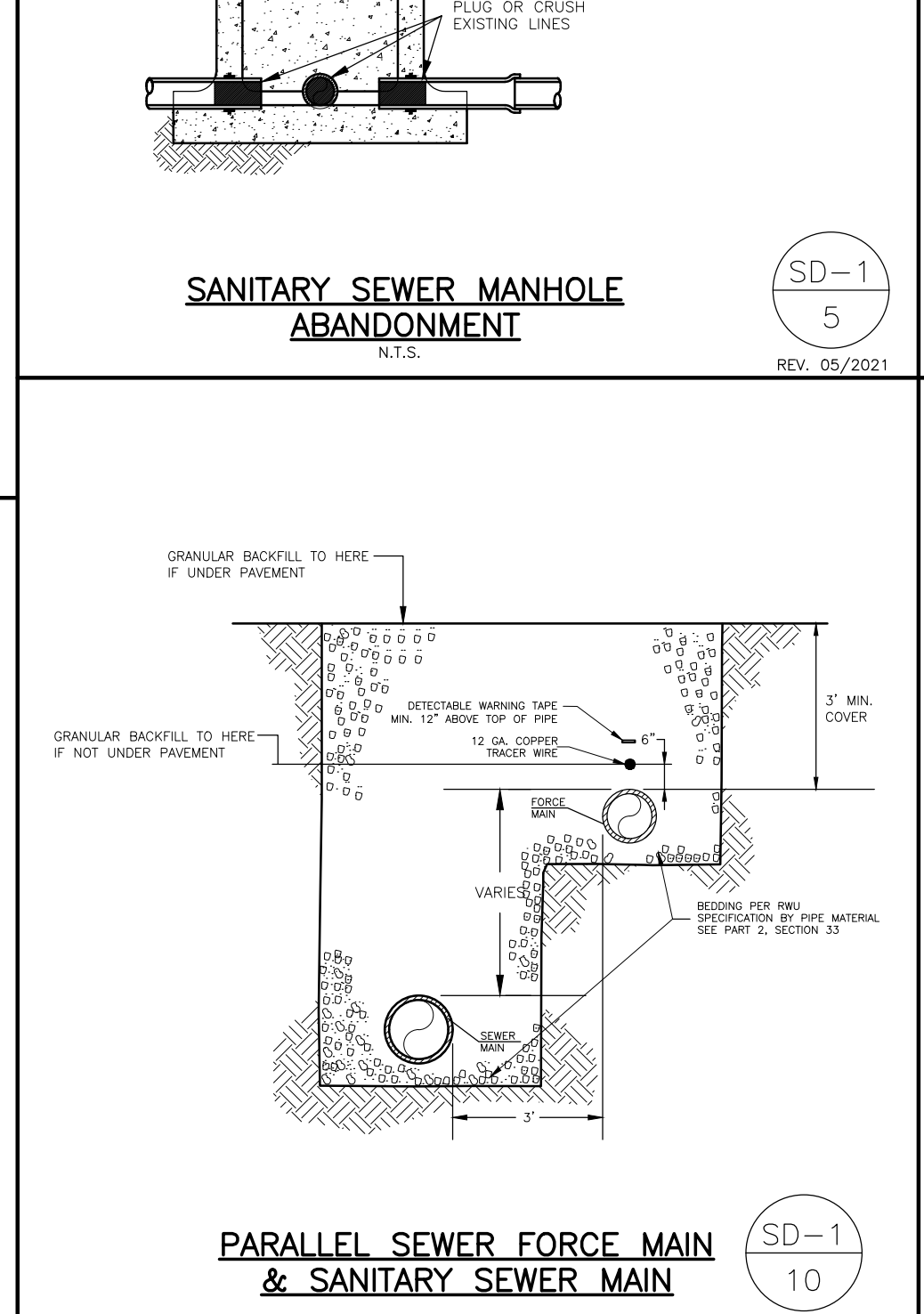
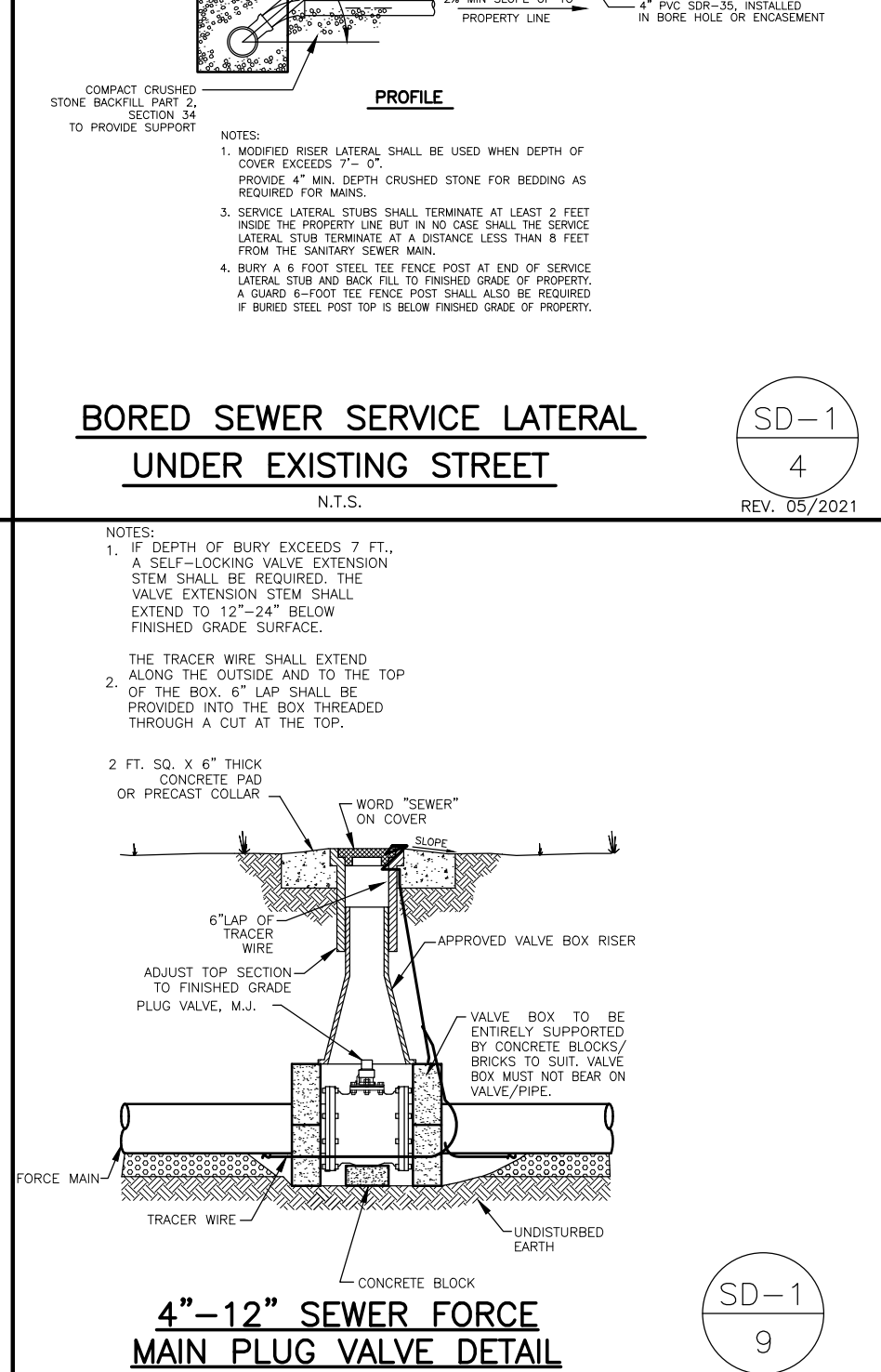
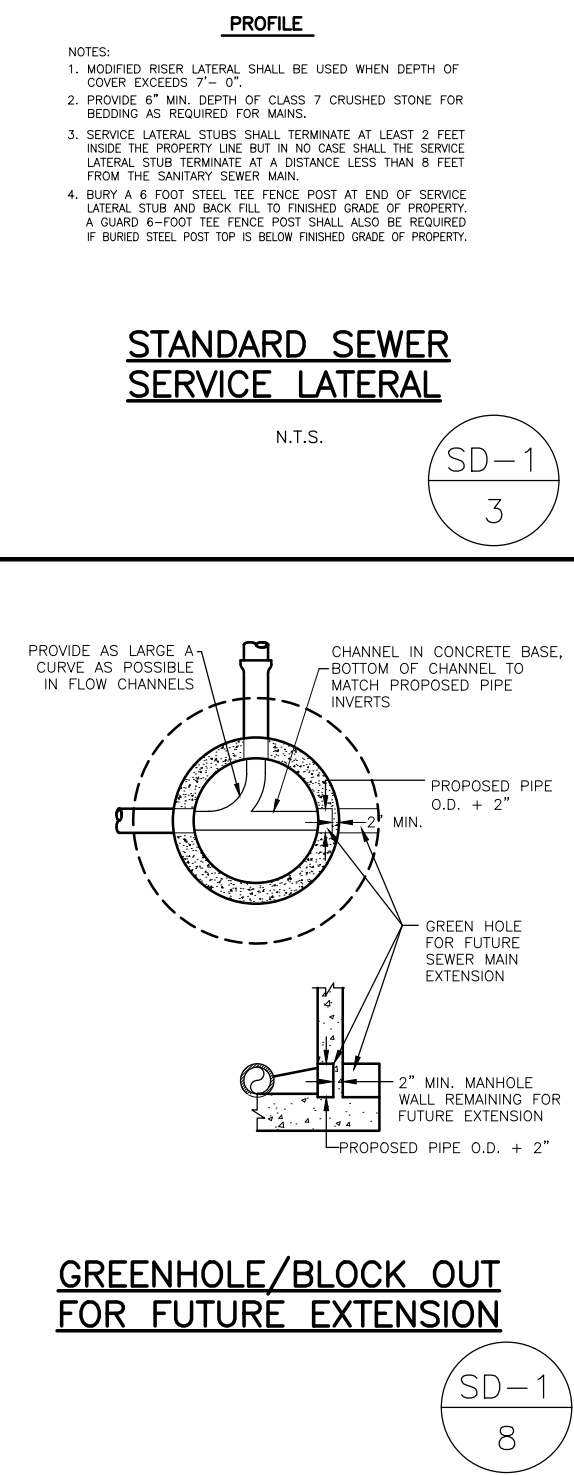
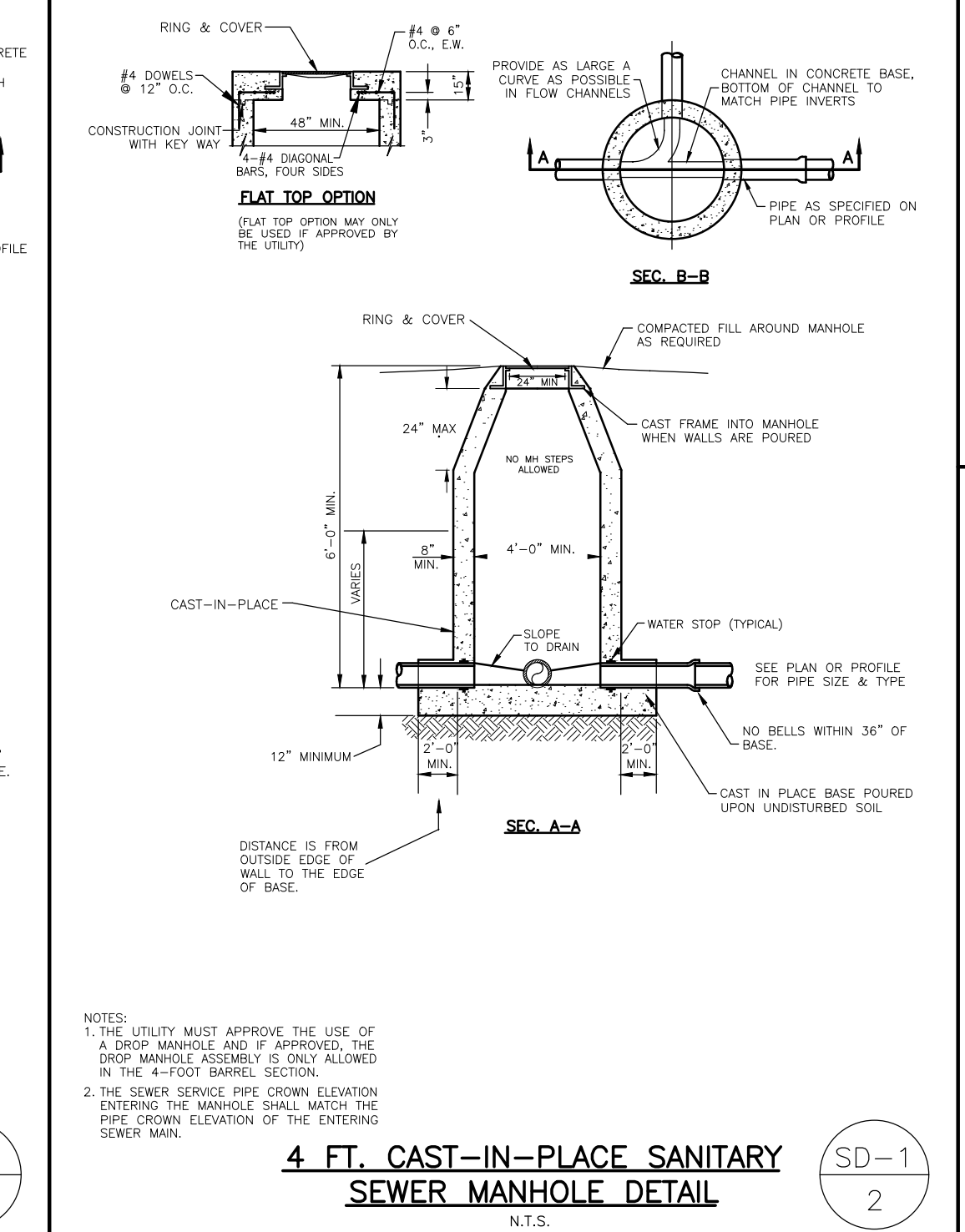
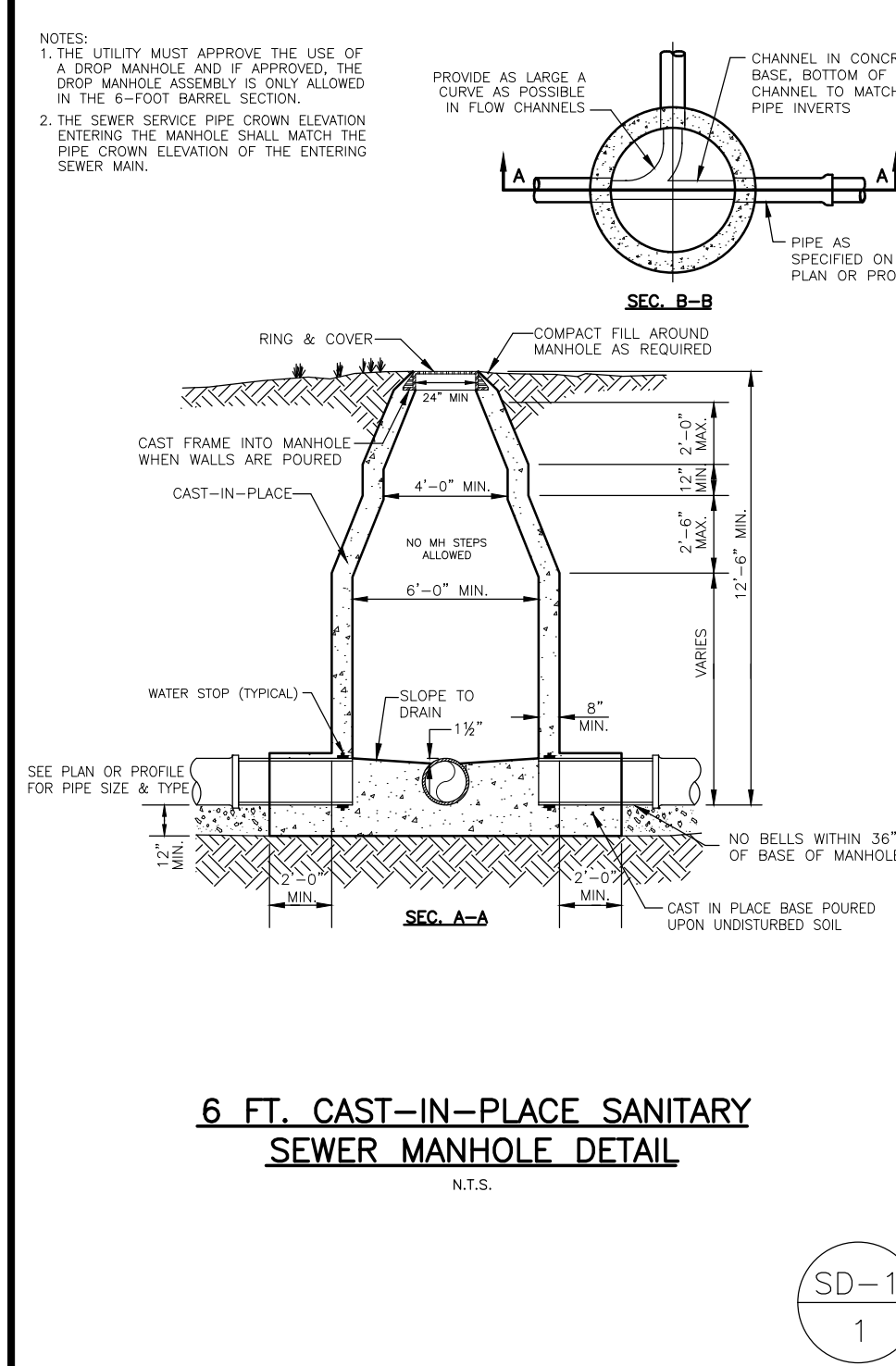
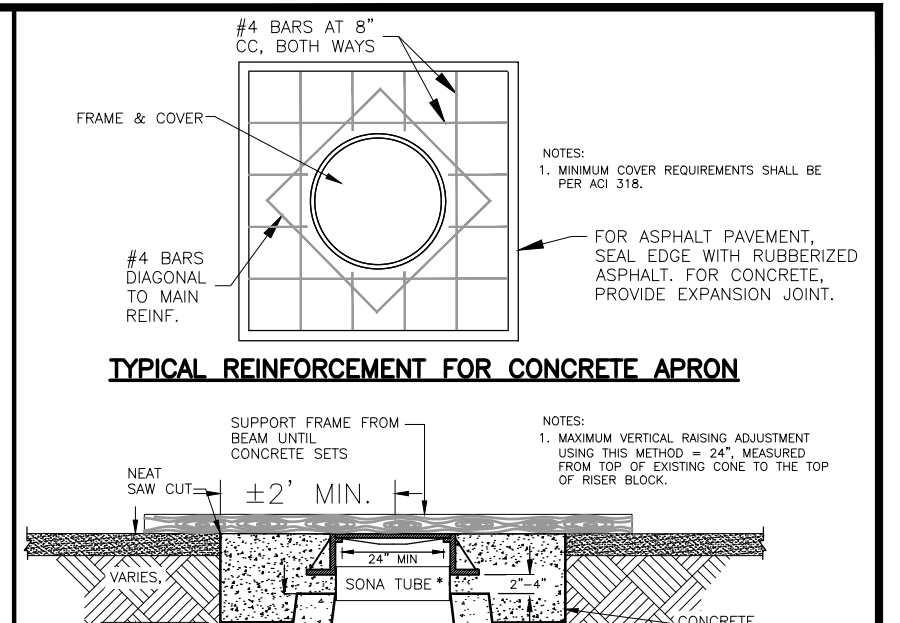
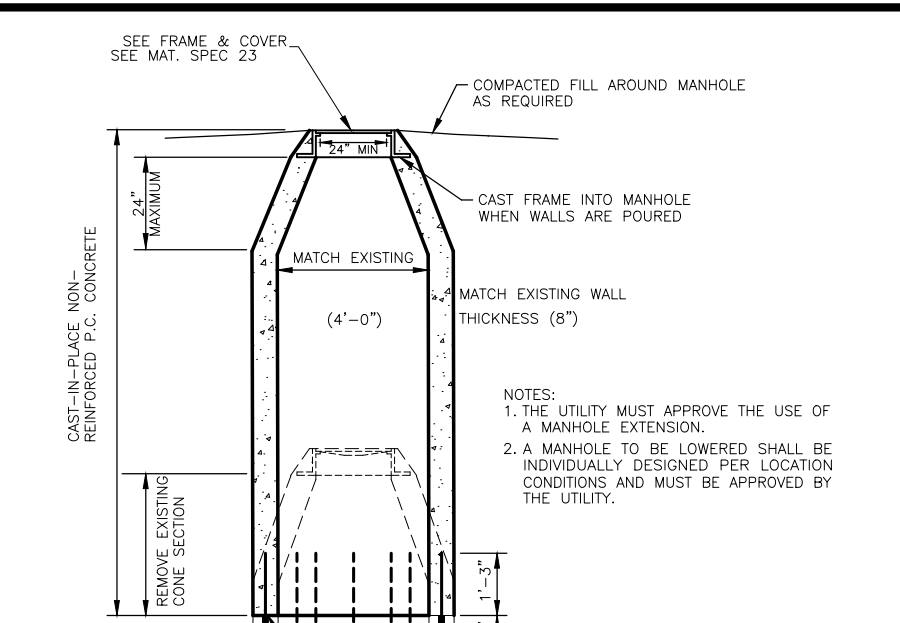
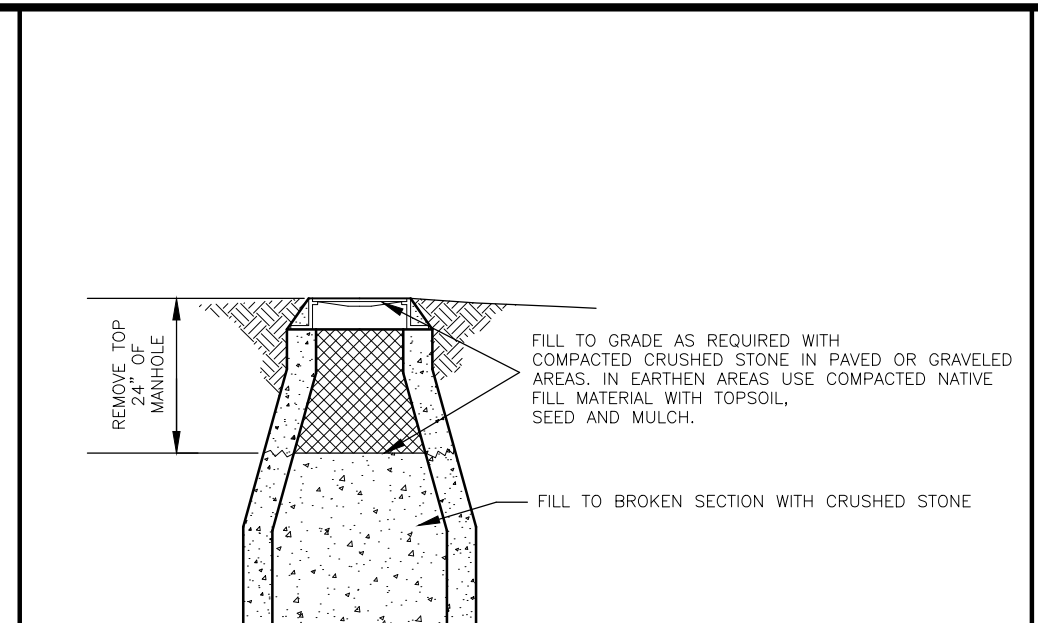
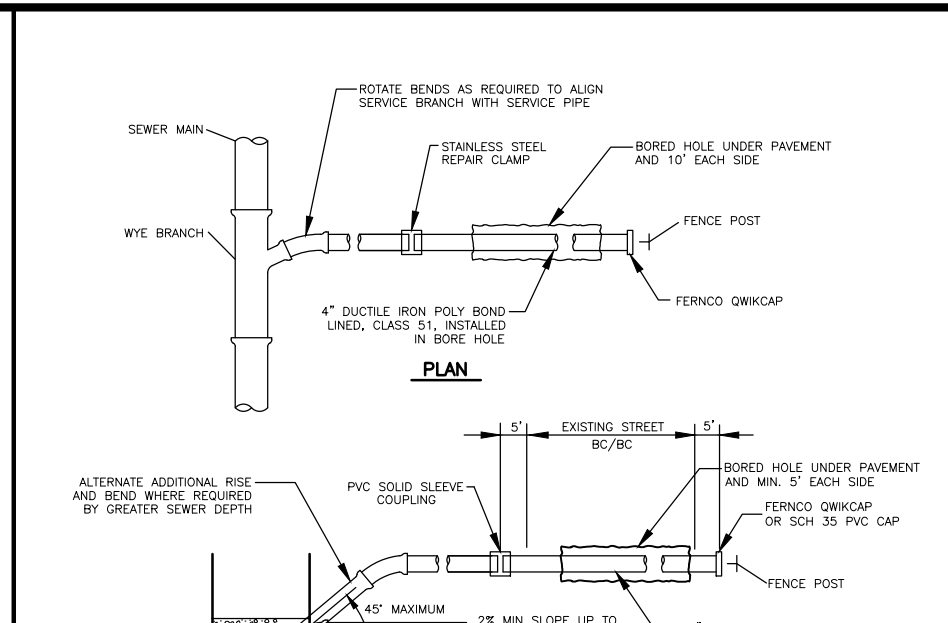
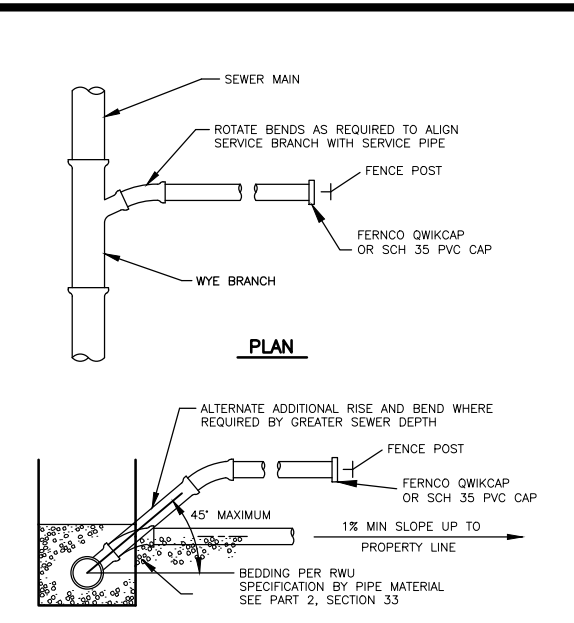
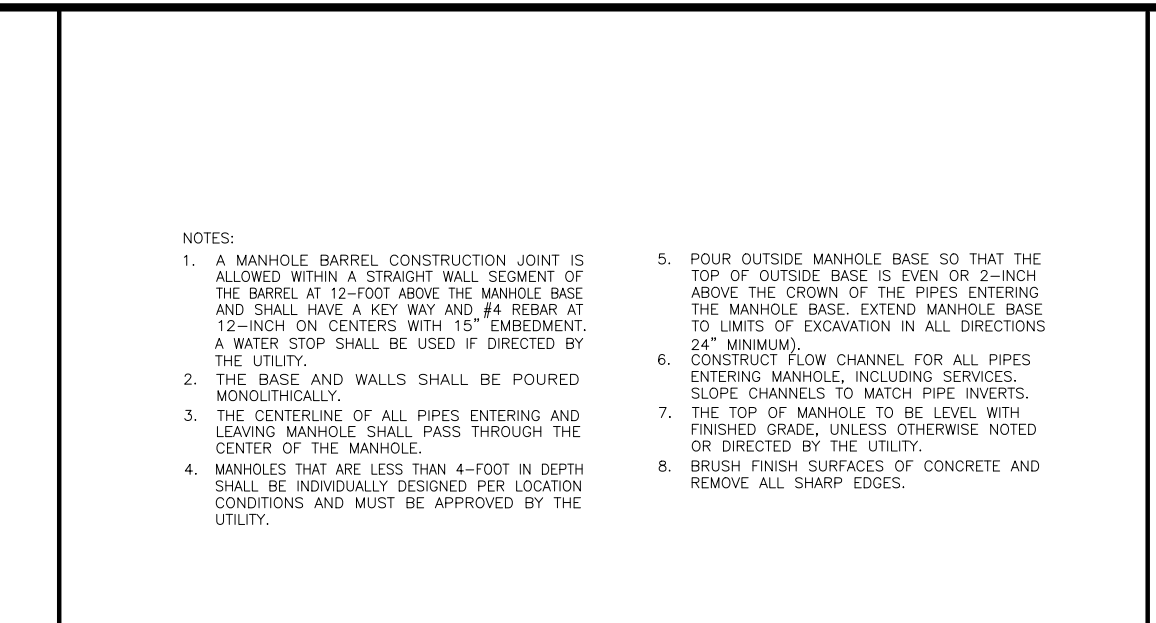
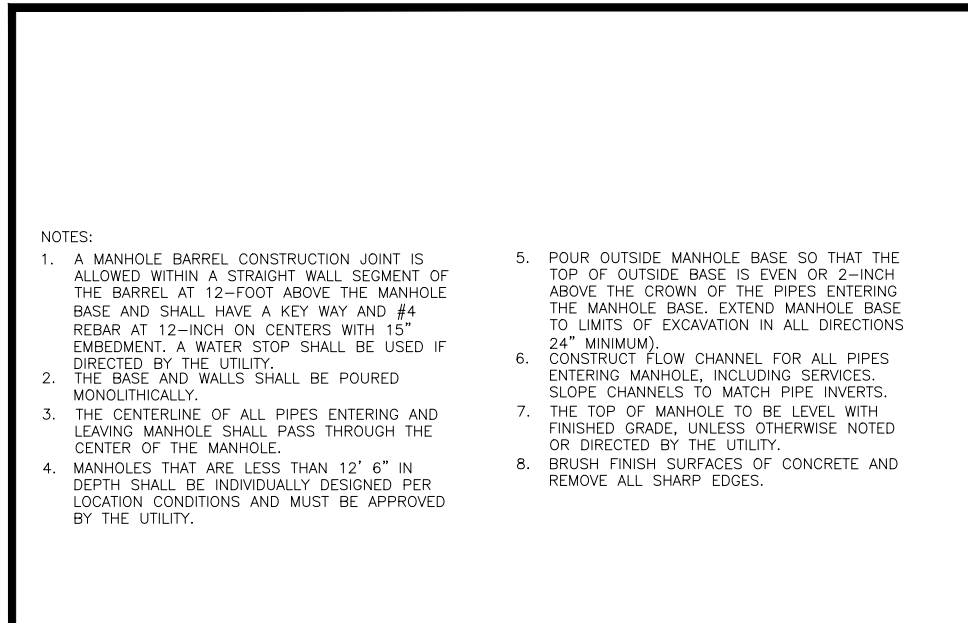
NOTES:
1) METERS WILL BE INCLUDED WITH THE INSTALLATION TO ENSURE PROPER FIT.
2) ALL BOLTS TO BE STAINLESS STEEL.
3) SLOPE FLOOR TO DRAIN.
4) IF POSSIBLE, PROVIDE 4" PVC DRAIN TO DAYLIGHT OR STORM SEWER. PROVIDE PVC CHECK IN DRAIN PIPE. THE AGGREGATE SUMP IS NOT REQUIRED IN THIS CASE.
5) CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
6) CONTRACTOR SHALL VERIFY ALL PART DIMENSIONS
7) ALL MATERIAL AND LABOR FOR 4" METER VAULT (INCLUDING METER) SHALL BE PROVIDED BY THE CONTRACTOR.

WATER DETAILS

RWU ROGERS WATER UTILITIES

P.O. DRAWER 338
601 SOUTH 2ND ROGERS, ARKANSAS
72757-0338

REVISION DATE: 9/20/2022
SHEET NO.: WD-2



RWU ROGERS WATER UTILITIES

P.O. DRAWER 338
601 SOUTH 2ND ROGERS, ARKANSAS
72757-0338

REVISION DATE: 9/20/2022

SHEET NO.: SD-1