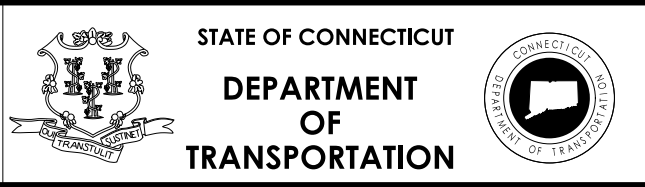


07 UTILITY - AWC INDEX OF DRAWINGS			
DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
AWC-01	INDEX OF DRAWINGS		
AWC-02	WATER MAIN RELOCATION TITLE SHEET		
AWC-03	WATER MAIN RELOCATION PLAN		
AWC-04	WATER MAIN - GENERAL PLAN AND ELEVATION		
AWC-05	FRAMING PLAN		
AWC-06	TYPICAL BRIDGE SECTION AND DETAILS		
AWC-07	WATER MAIN STANDARD DETAILS		
AWC-08	WATER MAIN STANDARD DETAILS		
AWC-09	WATER MAIN STANDARD DETAILS		
AWC-10	WATER MAIN STANDARD DETAILS		

REV.	DATE	REVISION DESCRIPTION

SIGNATURE/ BLOCK:



PROJECT NUMBER: 0124-0165	DRAWING NO. AWC-01
PROJECT DESCRIPTION: SPOT IMPROVEMENTS ON RIVER STREET (ROUTE 313)	
TOWN(S): SEYMOUR	SHEET NO. 07.01
DRAWING TITLE: INDEX OF DRAWINGS	

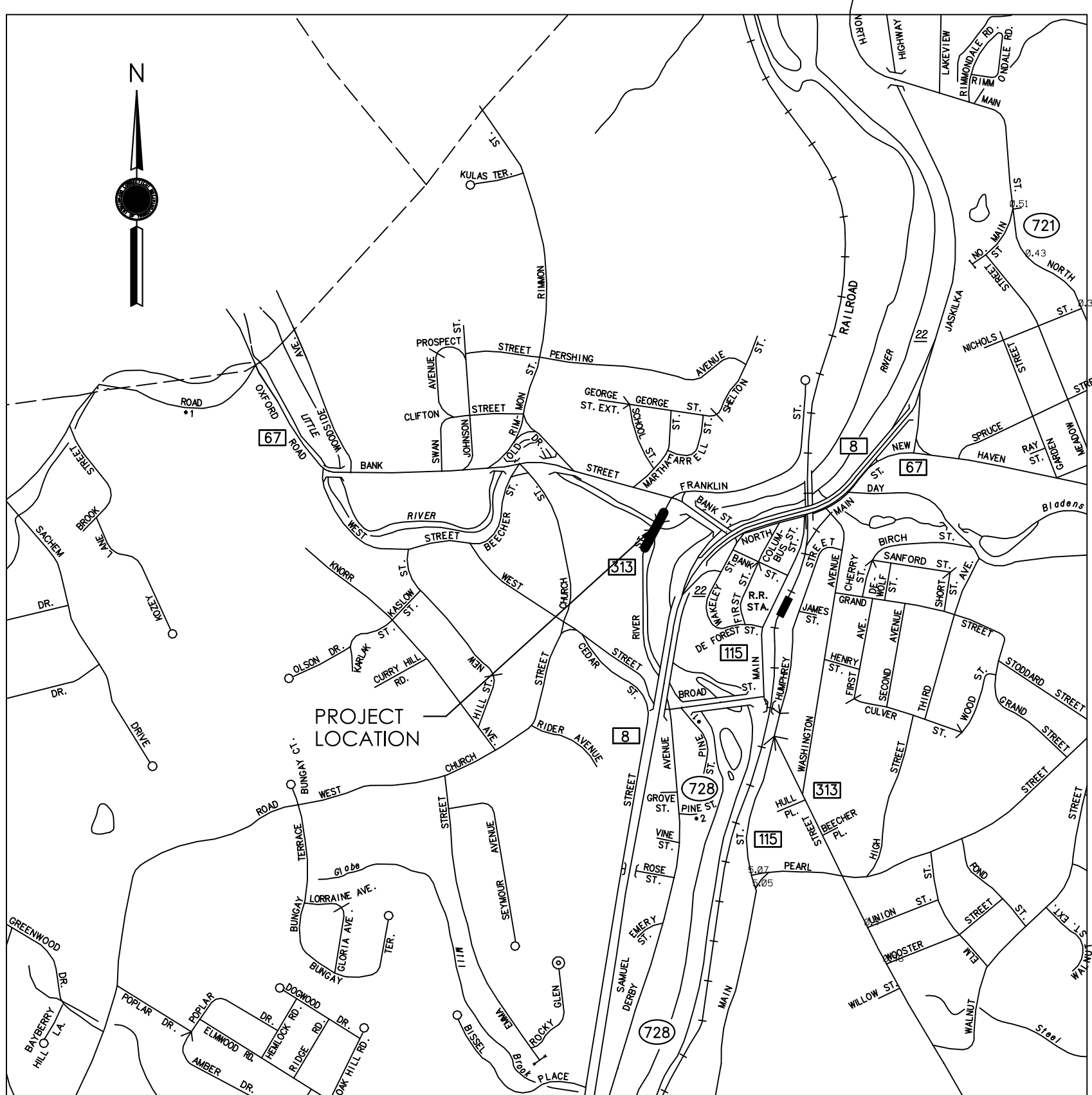
DESIGNED BY:



Luchs
CONSULTING ENGINEERS

LUCHS CONSULTING ENGINEERS, LLC
89 COLONY STREET
MERIDEN, CT 06451

WATER MAIN RELOCATION FOR SPOT IMPROVEMENTS ON RIVER STREET (ROUTE 313) SEYMOUR, CONNECTICUT



LOCATION MAP

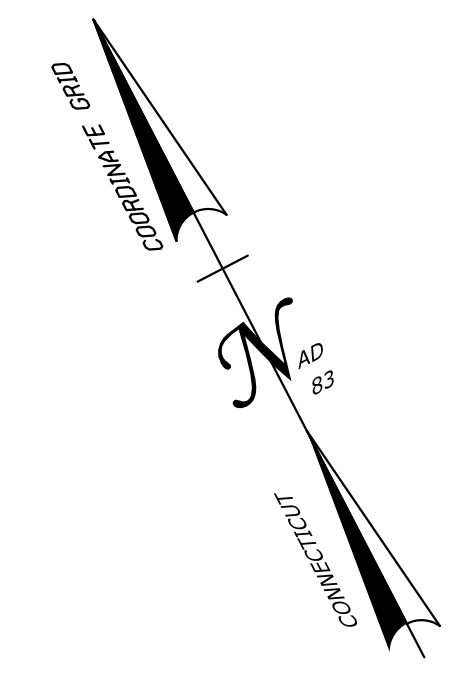
GENERAL NOTES

1. THE CONTRACTOR SHALL FURNISH ALL WATER MAIN AND APPURTENANCES, BENDS, JOINT RESTRAINTS WITH ACCESSORIES, WATER MAIN SYSTEM, AIR RELIEF VALVES AND OTHER RELATED HARDWARE REQUIRED FOR INSTALLATION OF THIS PROJECT.
2. ALL LINE STOPS, INSERTION VALVES AND TAPPING SLEEVES TO BE FURNISHED AND INSTALLED BY THE FARRELLY CO. WITH ASSISTANCE FROM THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO RAISE WATER GATE AND BLOW OFF BOXES TO GRADE AS NECESSARY DURING THE VARIOUS STAGES OF CONSTRUCTION, INCLUDING SETTING THE BOXES TO FINAL GRADE. THE CONTRACTOR SHALL FURNISH ANY ADDITIONAL RISERS REQUIRED FOR THIS PURPOSE.
4. THE SURVEY DATA SHOWN ON THESE PLANS IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION. FIELD CONDITIONS MUST BE VERIFIED PRIOR TO ANY CONSTRUCTION.
5. ALL NON-TR FLEX PIPE JOINTS SHALL BE MECHANICALLY RESTRAINED BY EITHER FIELD LOCK GASKETS OR MEGA-LUG BELL HARNESSSES. ALL PIPE BENDS AND ACTIVE WATER MAIN DEAD ENDS SHALL BE RESTRAINED FOR THE MINIMUM LENGTH REQUIRED BY THE SPECIAL PROVISIONS AND SHALL HAVE CONCRETE THRUST BLOCKS.
6. EXISTING VALVES TO REMAIN AND TO BE USED FOR TYING IN NEW MAIN SHALL BE WORKED BY AQUARION TO VERIFY OPERATION AND LISTENED ON TO IDENTIFY LEAKAGE. UNSATISFACTORY VALVES SHALL BE REPLACED BY AQUARION.
7. NEWLY INSTALLED WATER GATE AND BLOW OFF BOXES SHALL BE MAINTAINED AND AND SET TO FINAL GRADE BY THE STATE OR MUNICIPAL CONTRACTOR. THE STATE OR MUNICIPAL CONTRACTOR WILL FURNISH ANY ADDITIONAL RISERS REQUIRED FOR THIS PURPOSE.

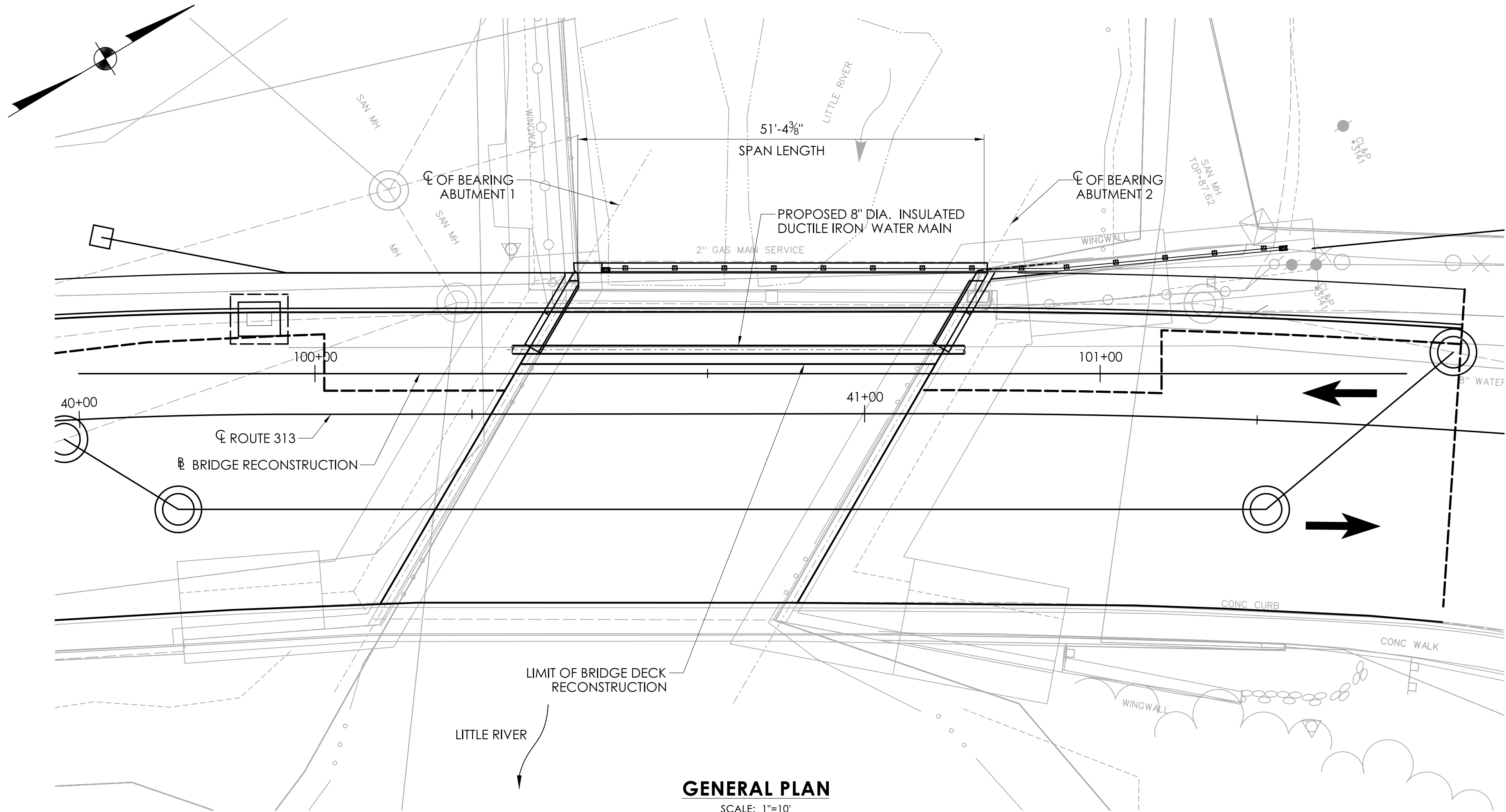
SEQUENCE OF CONSTRUCTION

1. PERFORM SPECIAL TEST PITS.
2. INSTALL WATER MAIN SUPPORT SYSTEM ON BRIDGE.
3. INSTALL WATER MAIN ON BRIDGE.
4. INSTALL WATER MAIN FROM BRIDGE NORTH ON RIVER STREET AND TIE INTO EXISTING BLOWOFF FROM AQUARION PORTION OF PROJECT.
5. INSTALL WATER MAIN FROM BRIDGE SOUTH ON RIVER STREET TO WHERE THE EXISTING WATER MAIN ENDS.
6. FILL, CHLORINATE, AND PRESSURE TEST NEW WATER MAIN.

REV.	DATE	REVISION DESCRIPTION

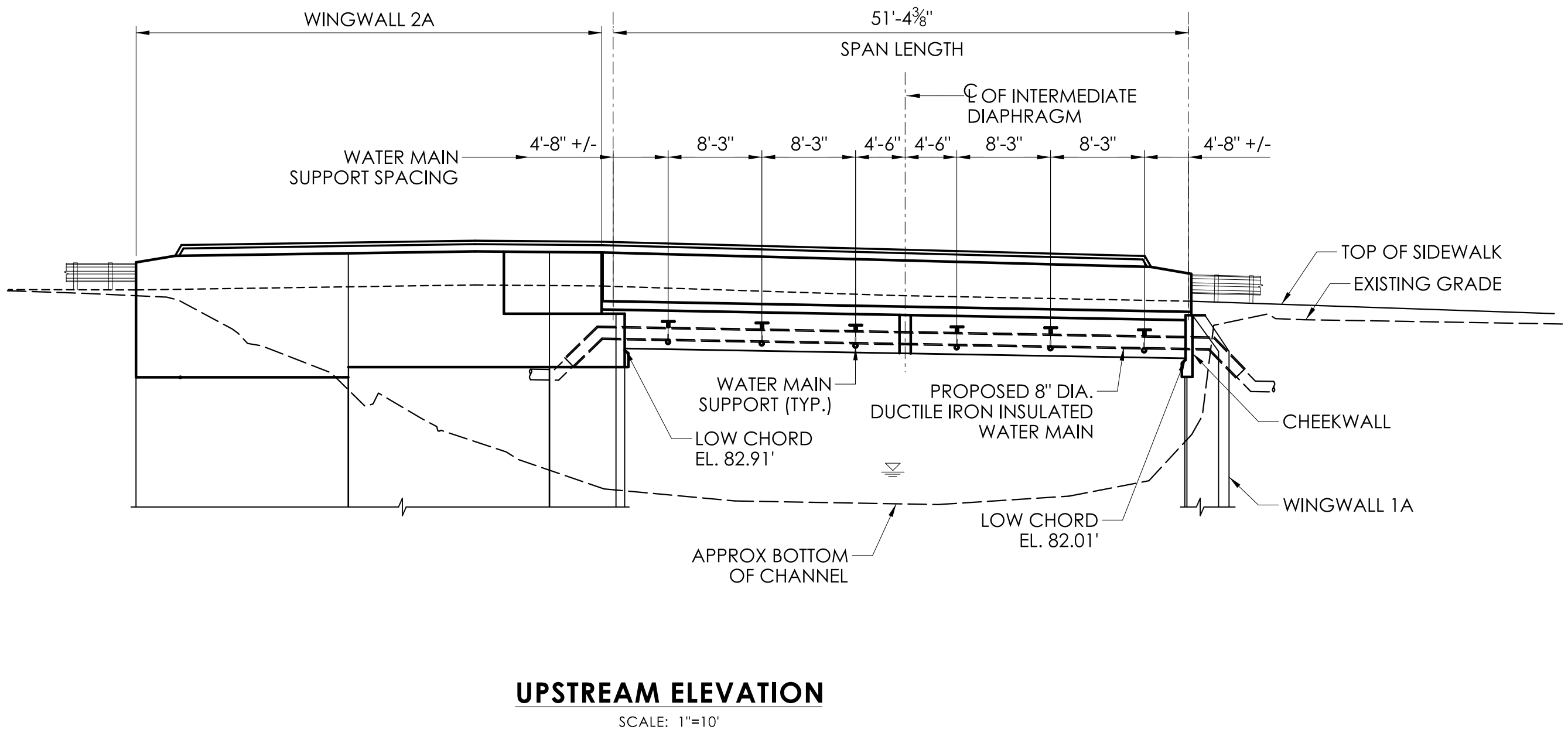


DRAWING NO.	AWC-03
SHEET NO.	07.03



GENERAL NOTES

1. WATER MAIN PIPE ROLLER & THREADED RODS, NUTS & WASHERS SHALL CONFORM TO ANVIL MANUFACTURER OR APPROVED EQUAL. ALL HARDWARE MUST BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153.
2. THREADED ANCHOR BOLTS SHALL CONFORM TO F1554, GRADE 55 OR BETTER WITH A563 HEX NUT GRADE A AND F436 WASHER. ALL HARDWARE MUST BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153.
3. USE KELKEN EPOXY GROUT OR APPROVED EQUAL. FOLLOW MANUFACTURER RECOMMENDATION.
4. ALL H.S. A325 BOLTS, WASHER AND NUT MUST BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A153.
5. THE CONTRACTOR SHALL TAKE THE PROPER PRECAUTIONS TO ENSURE THE STABILITY OF ALL STRUCTURAL ELEMENTS UNTIL THE TOTAL STRUCTURE IS COMPLETE.
6. THREADED RODS SHALL BE PER MANUFACTURER RECOMMENDATION OR AS APPROVED BY THE AQUARION WATER COMPANY AND GALVANIZED.
7. WT8X44.5 - ASTM A992
ANGLES L6X6X1/2 - ASTM A36



REV.	DATE	REVISION DESCRIPTION

SIGNATURE/
BLOCK:



PROJECT NUMBER: 0124-0165

PROJECT DESCRIPTION: SPOT IMPROVEMENTS ON BANK STREET (ROUTE 67) AND RIVER STREET (ROUTE 313)

TOWN(S): SEYMOUR

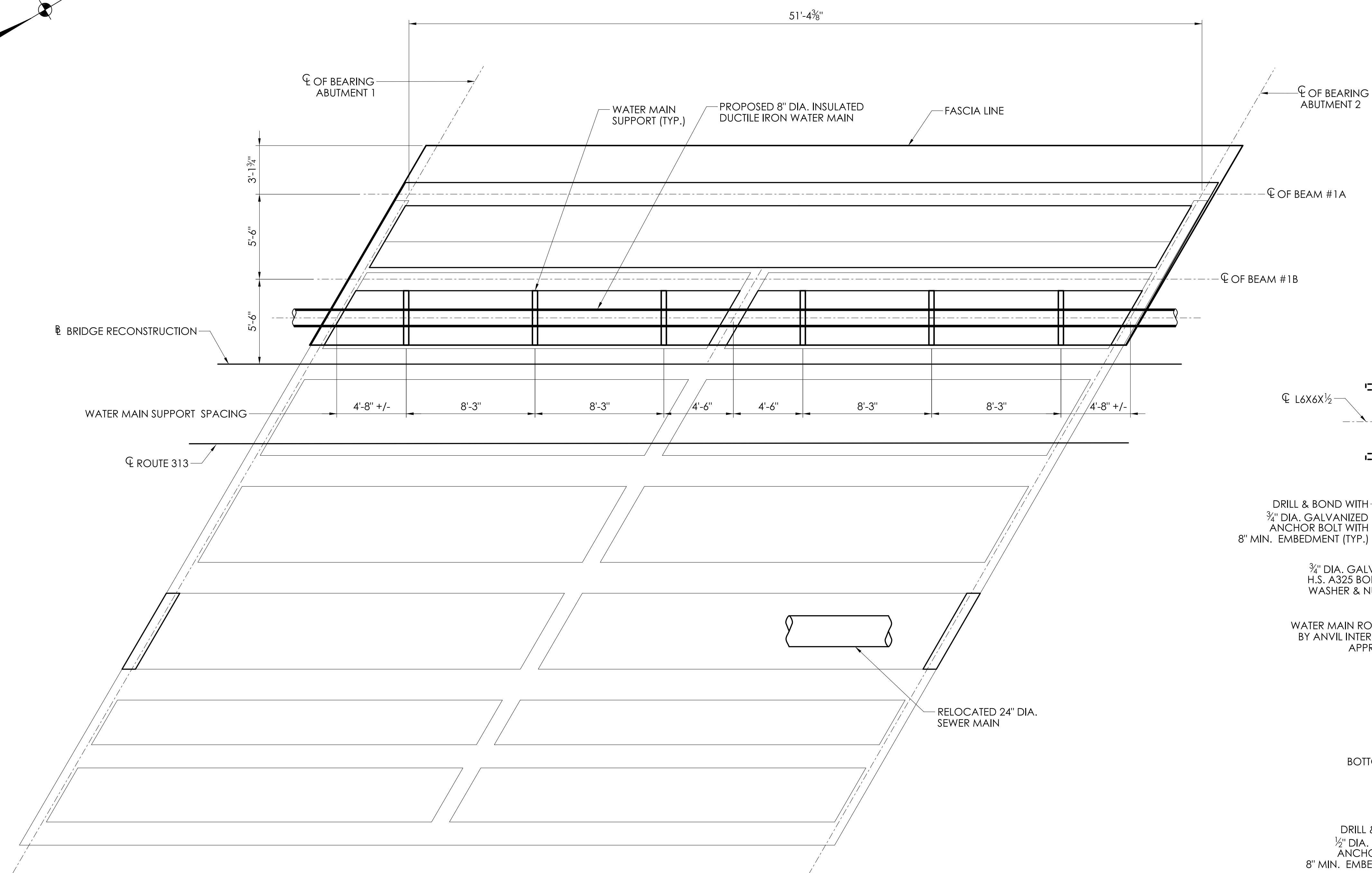
DRAWING TITLE: WATER MAIN- GENERAL PLAN & ELEVATION

DRAWING NO.

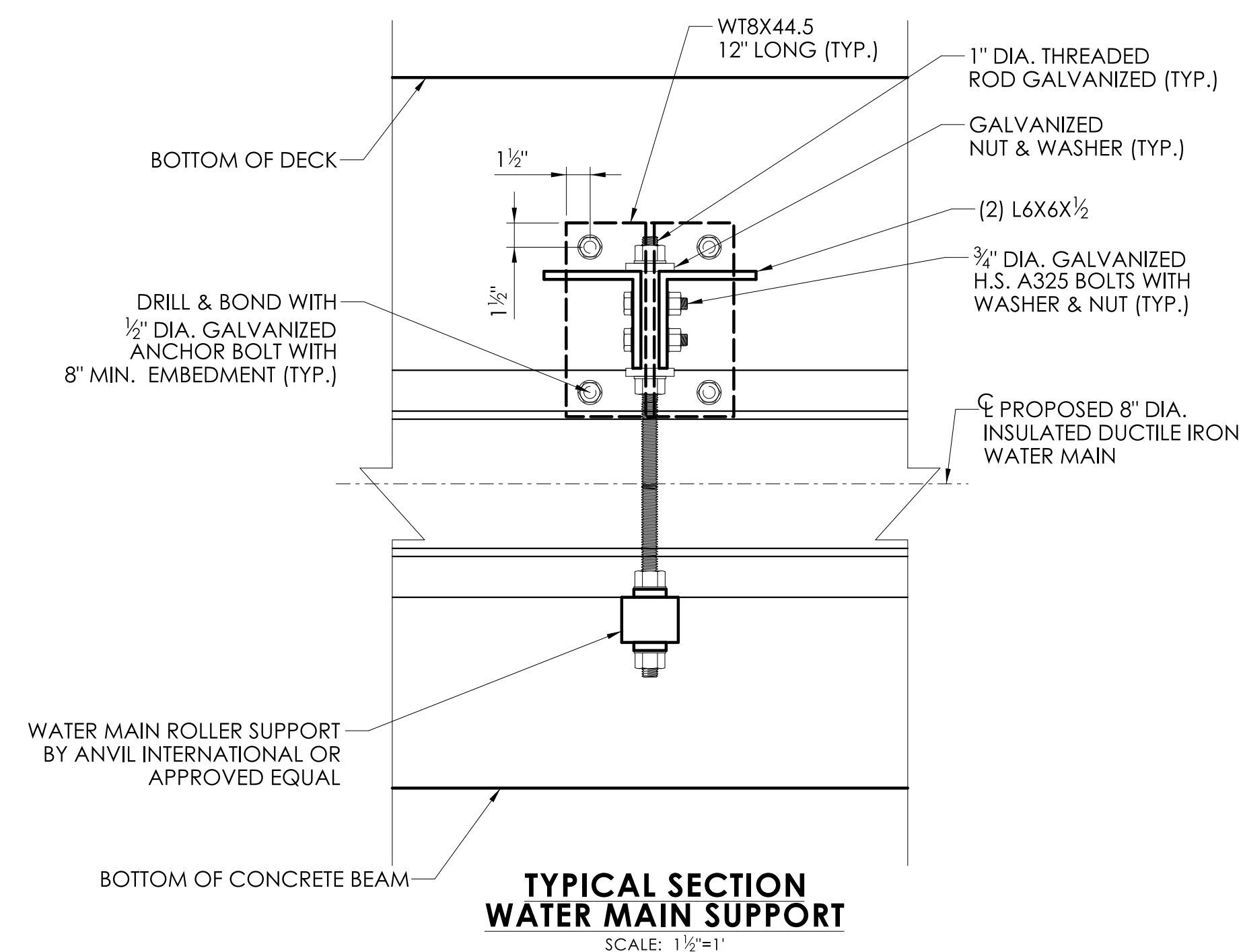
AWC-04

SHEET NO.

07.04



NOTE: OTHER UTILITIES SUPPORTED UNDER THE BRIDGE NOT SHOWN FOR CLARITY.

[illegible]

DESIGNER/DRAFTER

CHECKED BY:

SIGNATURE
BLOCK:



PROJECT NUMBER: 0124-0165

PROJECT DESCRIPTION: SPOT IMPROVEMENTS ON BANK STREET (ROUTE 67) AND RIVER STREET (ROUTE 313)

TOWN(S): SEYMOUR

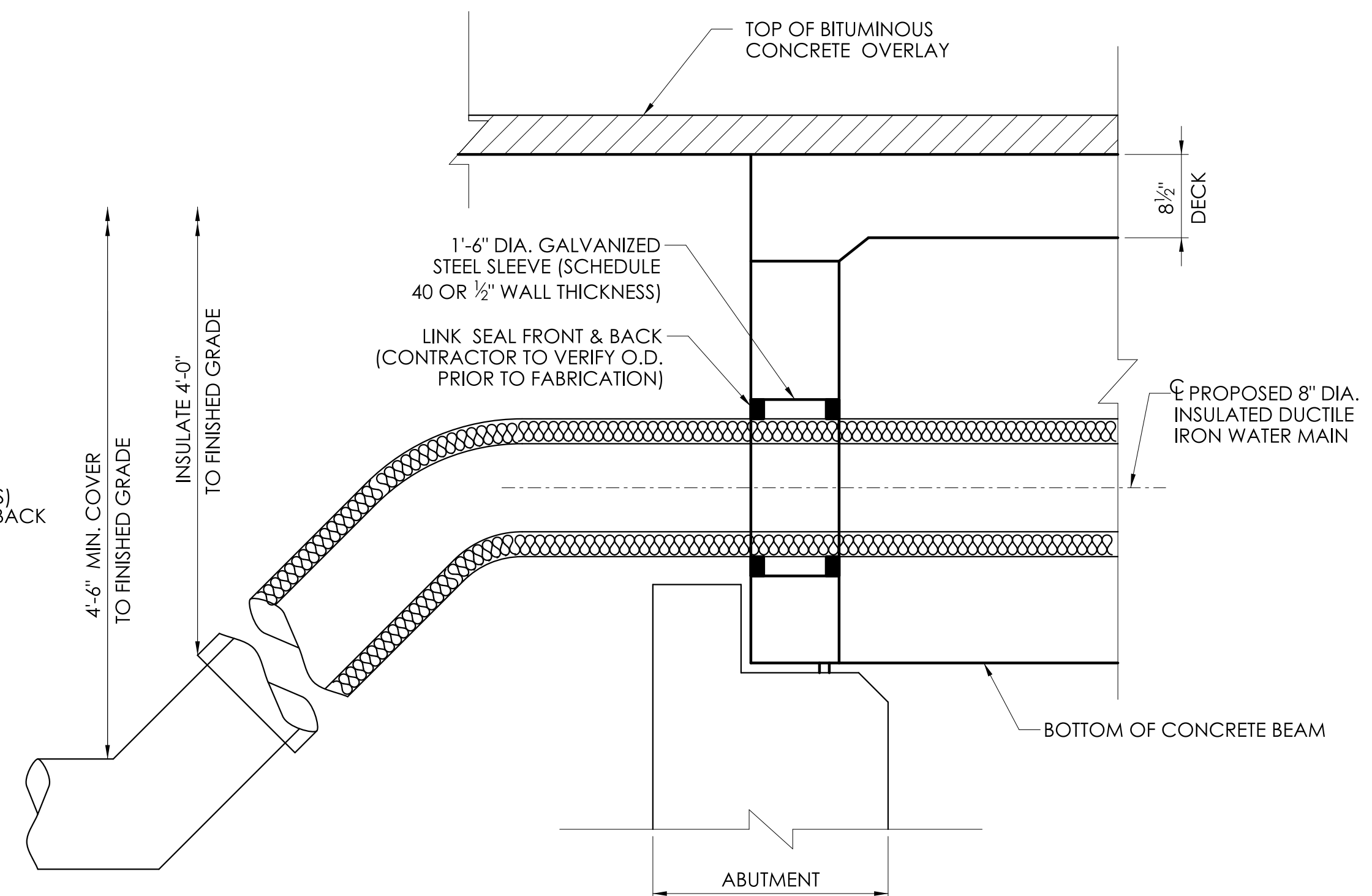
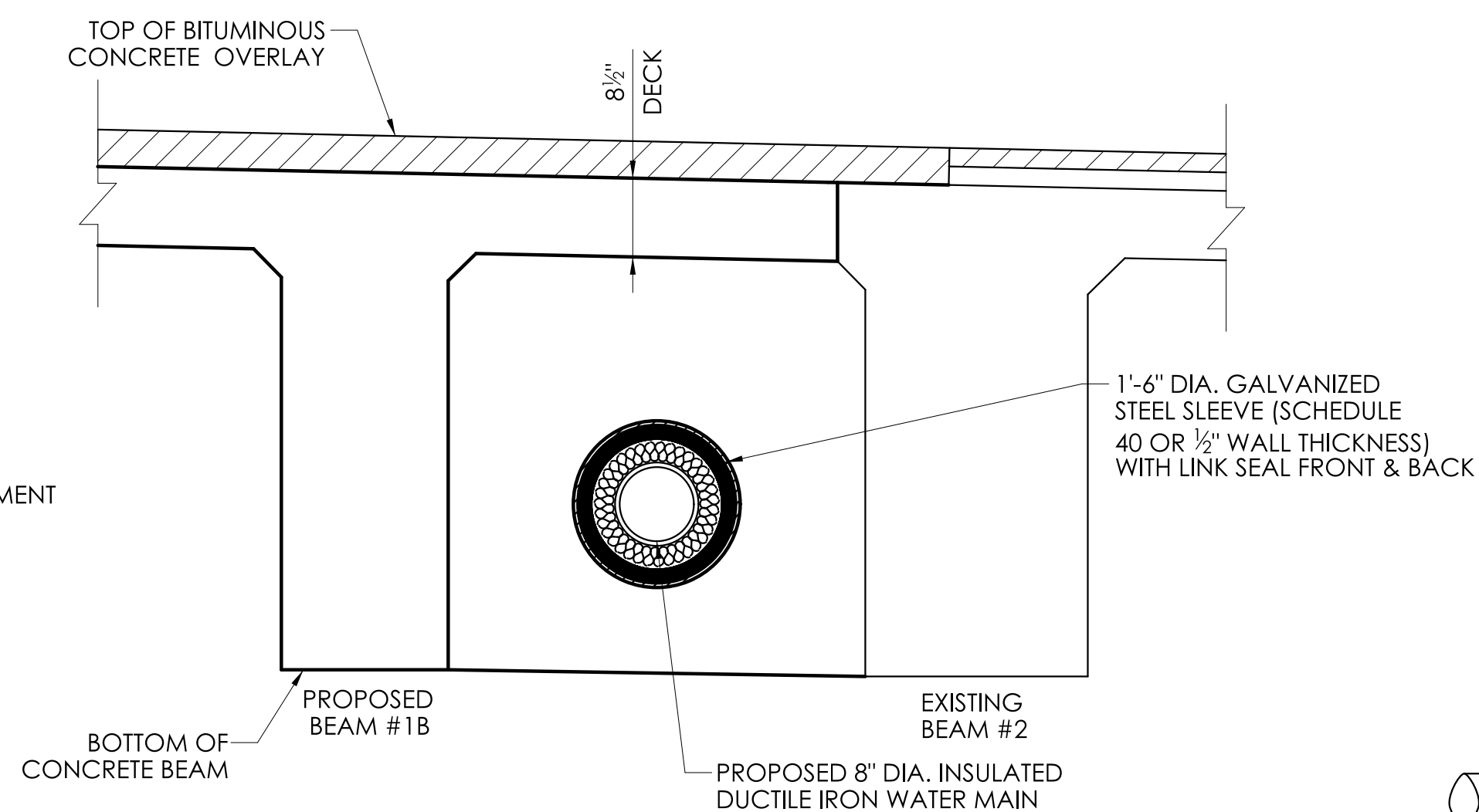
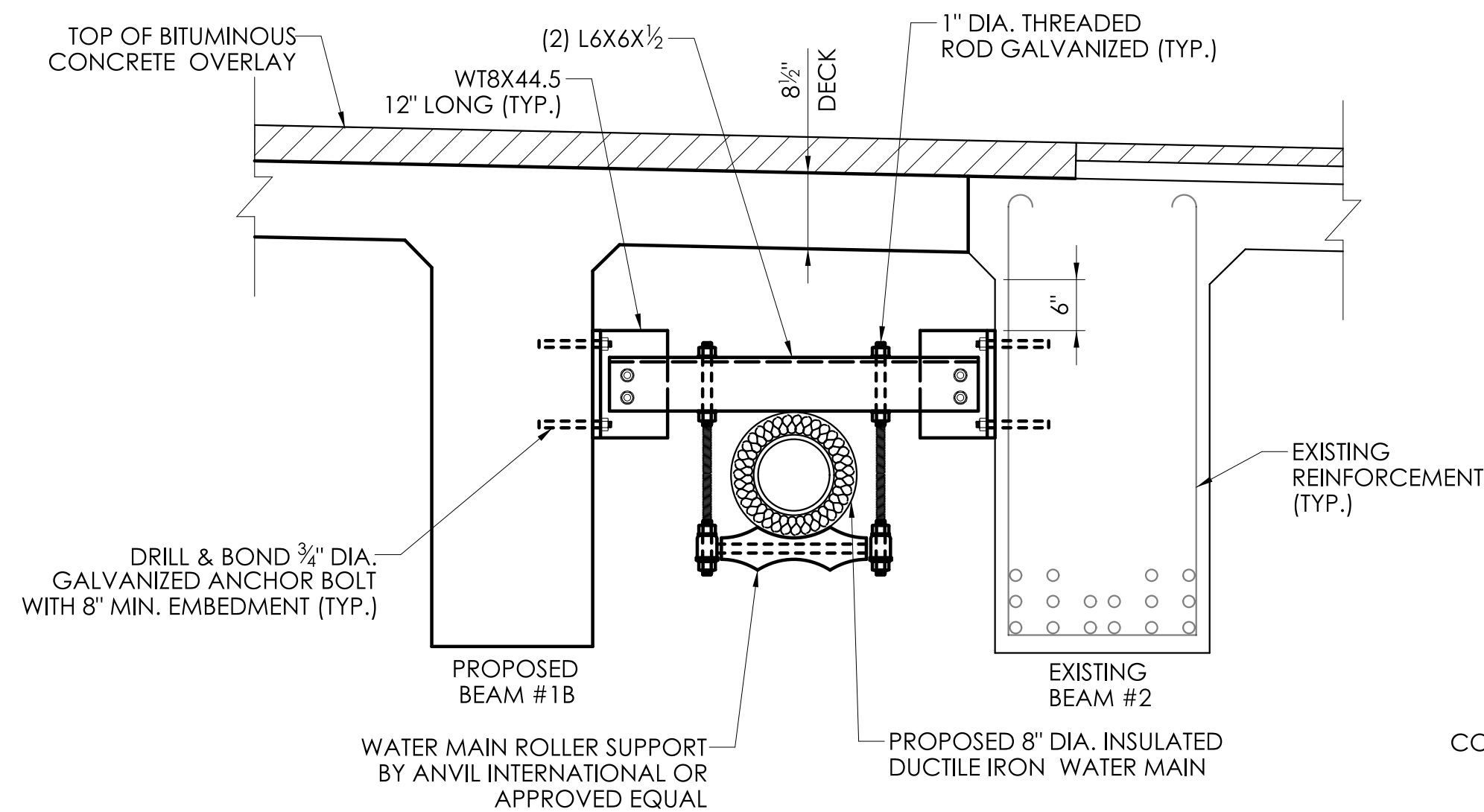
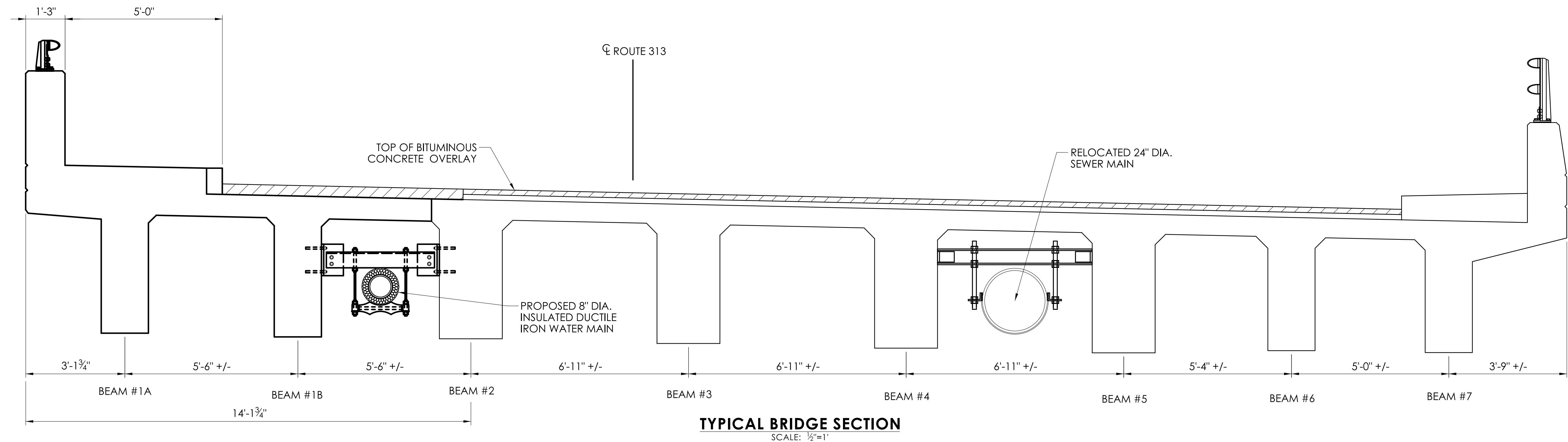
DRAWING TITLE: FRAMING PLAN

DRAWING NO.	AWC-05
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SHEET NO.

07.05

LASTED SAVED BY: Rhsuser20 FILE NAME: Z:\Projects\R026 Misc. Jobs\R026-234_Luchs_Aquarion_Seymour Water Main\CAD\Water Main General Plan.dgn
PLOTTED DATE: 1/15/2026



- NOTE:
- CONTRACTOR TO VERIFY O.D. PRIOR TO FABRICATION.
 - REFER TO DRAWING NO. STR-12 FOR DIAPHRAGMS REINFORCEMENT DETAILS.

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER:	CHECKED BY:

SIGNATURE/
BLOCK:

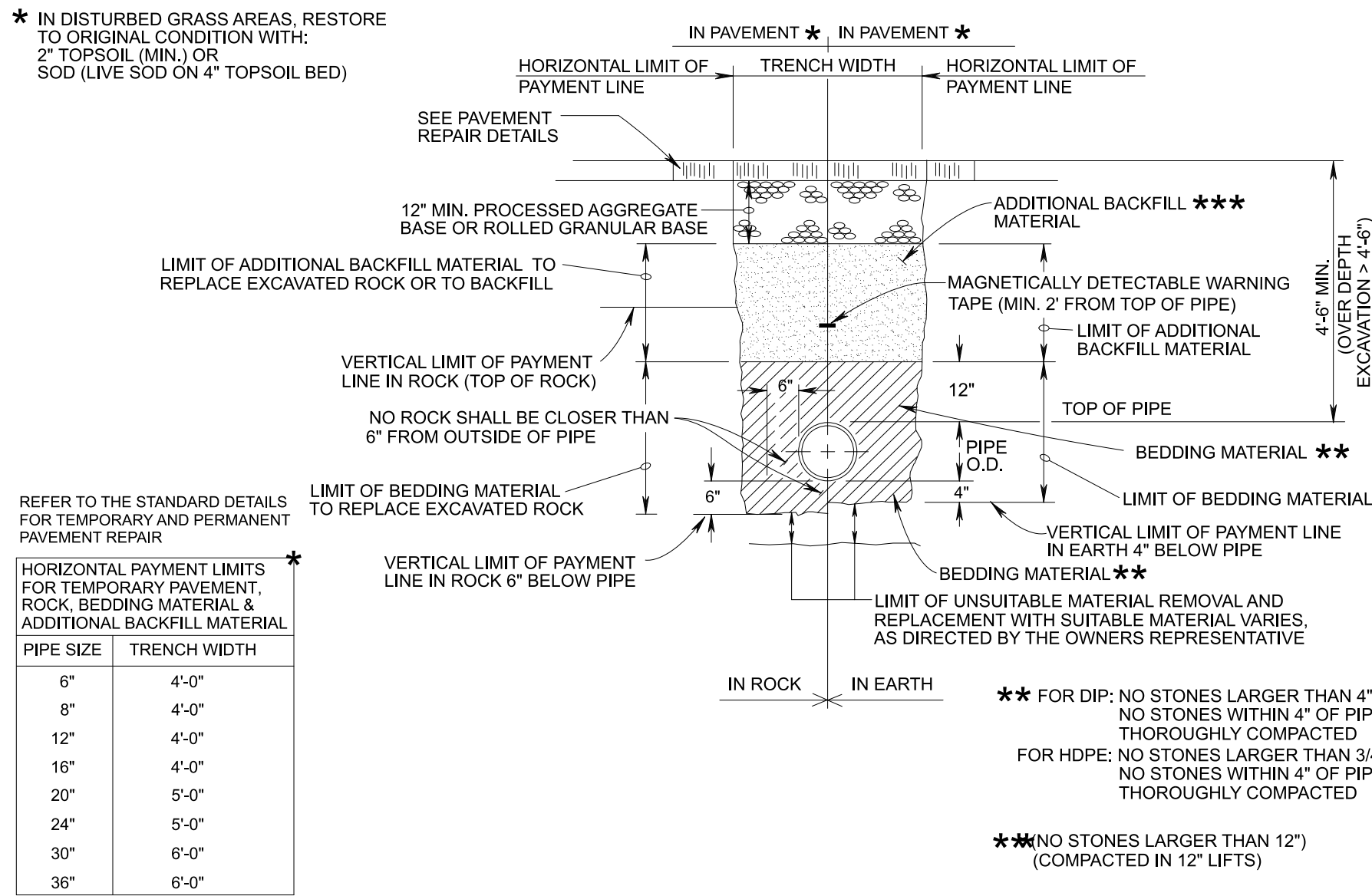
Luchs
CONSULTING ENGINEERS

AQUARION

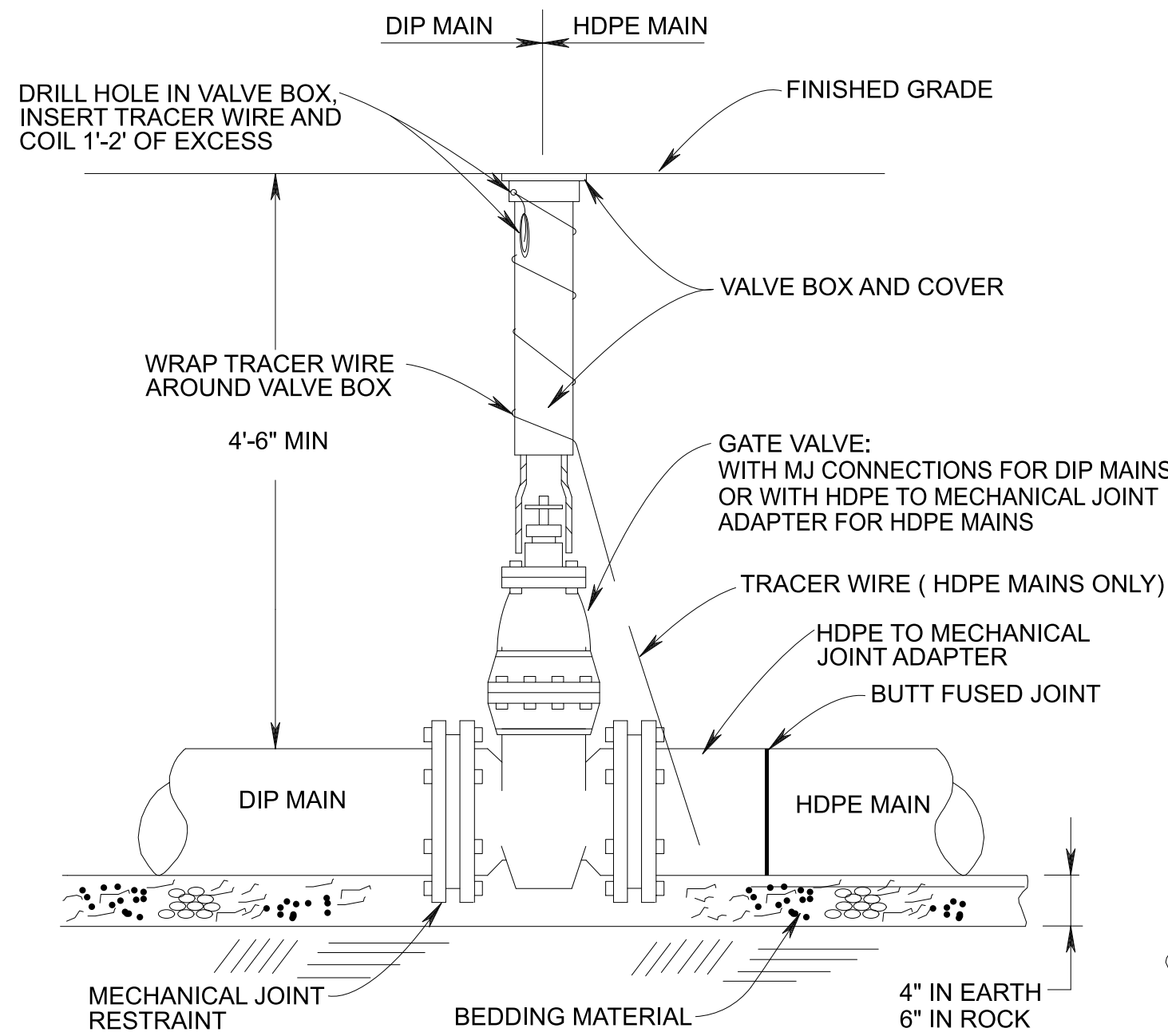
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PROJECT DESCRIPTION: SPOT IMPROVEMENTS ON BANK STREET (ROUTE 67) AND RIVER STREET (ROUTE 313)
TOWN(S): SEYMOUR
DRAWING TITLE: TYPICAL BRIDGE SECTION & DETAILS

DRAWING NO.
AWC-06
SHEET NO.
07.06

* IN DISTURBED GRASS AREAS, RESTORE TO ORIGINAL CONDITION WITH: 2" TOPSOIL (MIN.) OR SOD (LIVE SOD ON 4" TOPSOIL BED)



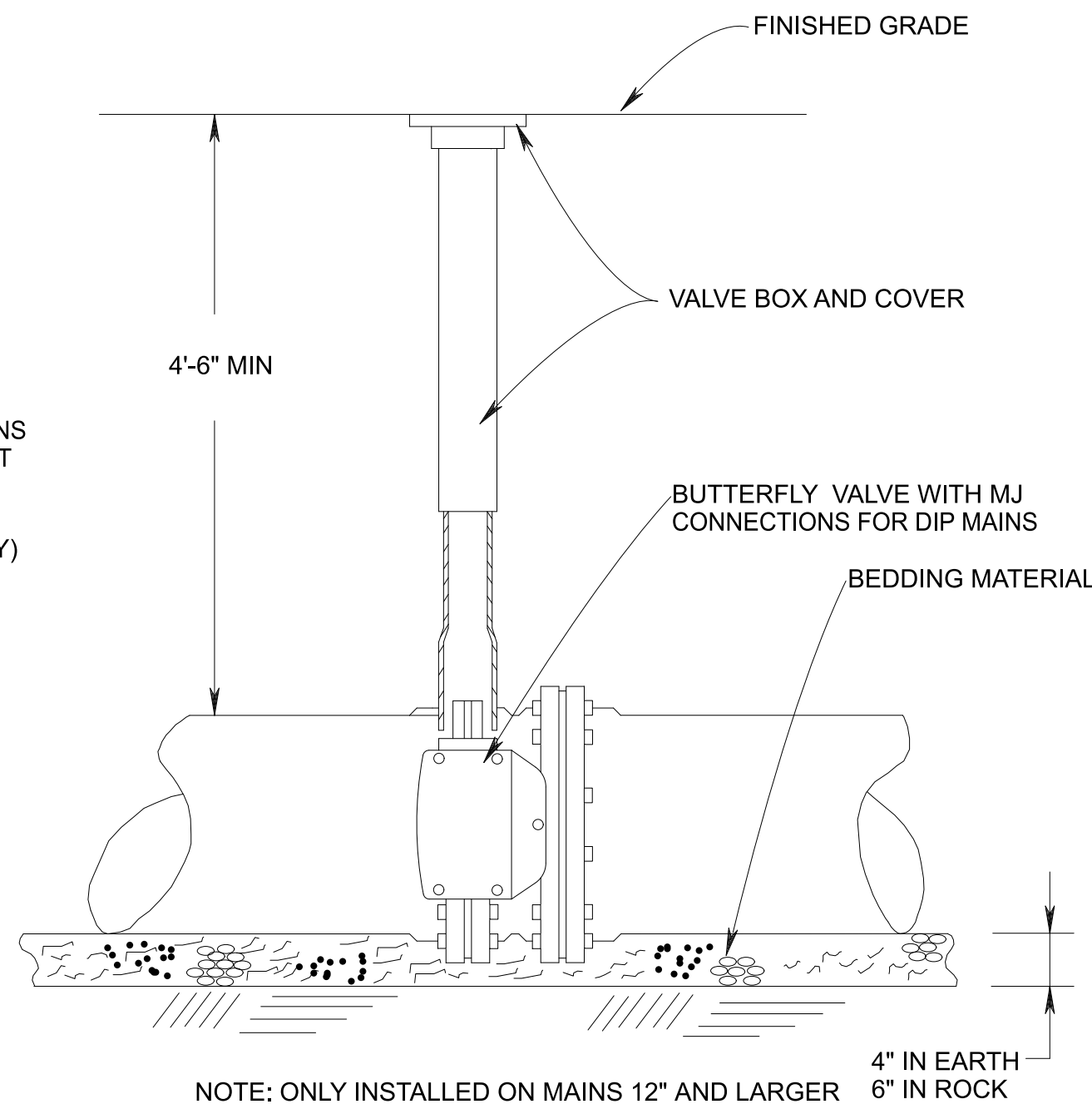
SD-1 TYPICAL TRENCH DETAIL
NOT TO SCALE



NOTE: ONLY INSTALLED ON MAINS 8" AND SMALLER

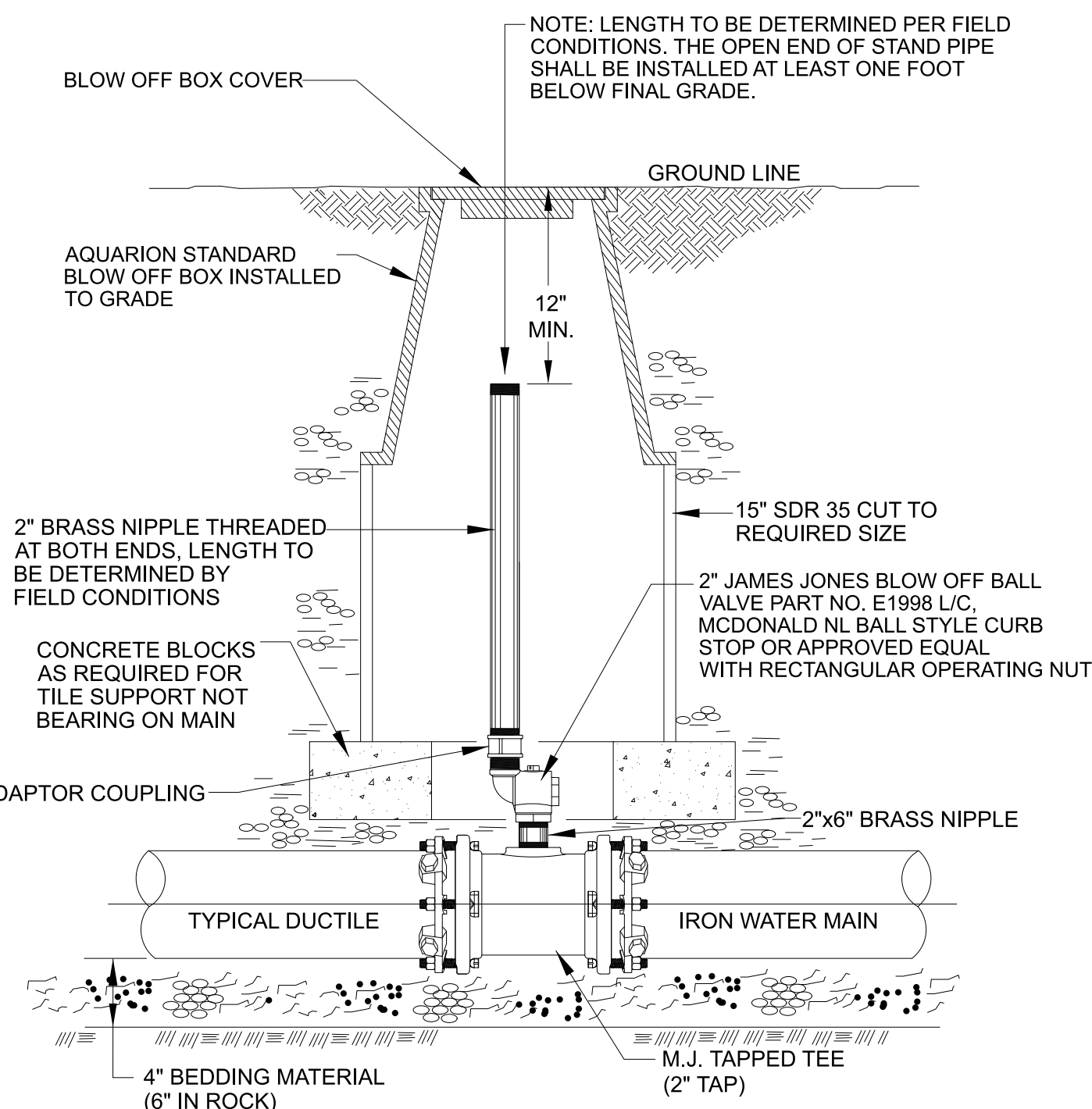
NOTE: FOR CONTINUOUS HDPE MAINS, INSTALL TRACER WIRE UNDER ALL VALVES AND FITTINGS. FOR TERMINATION POINTS, INSTALL TRACER WIRE AROUND VALVE BOXES AS SHOWN ABOVE.

SD-2 GATE VALVE
NOT TO SCALE

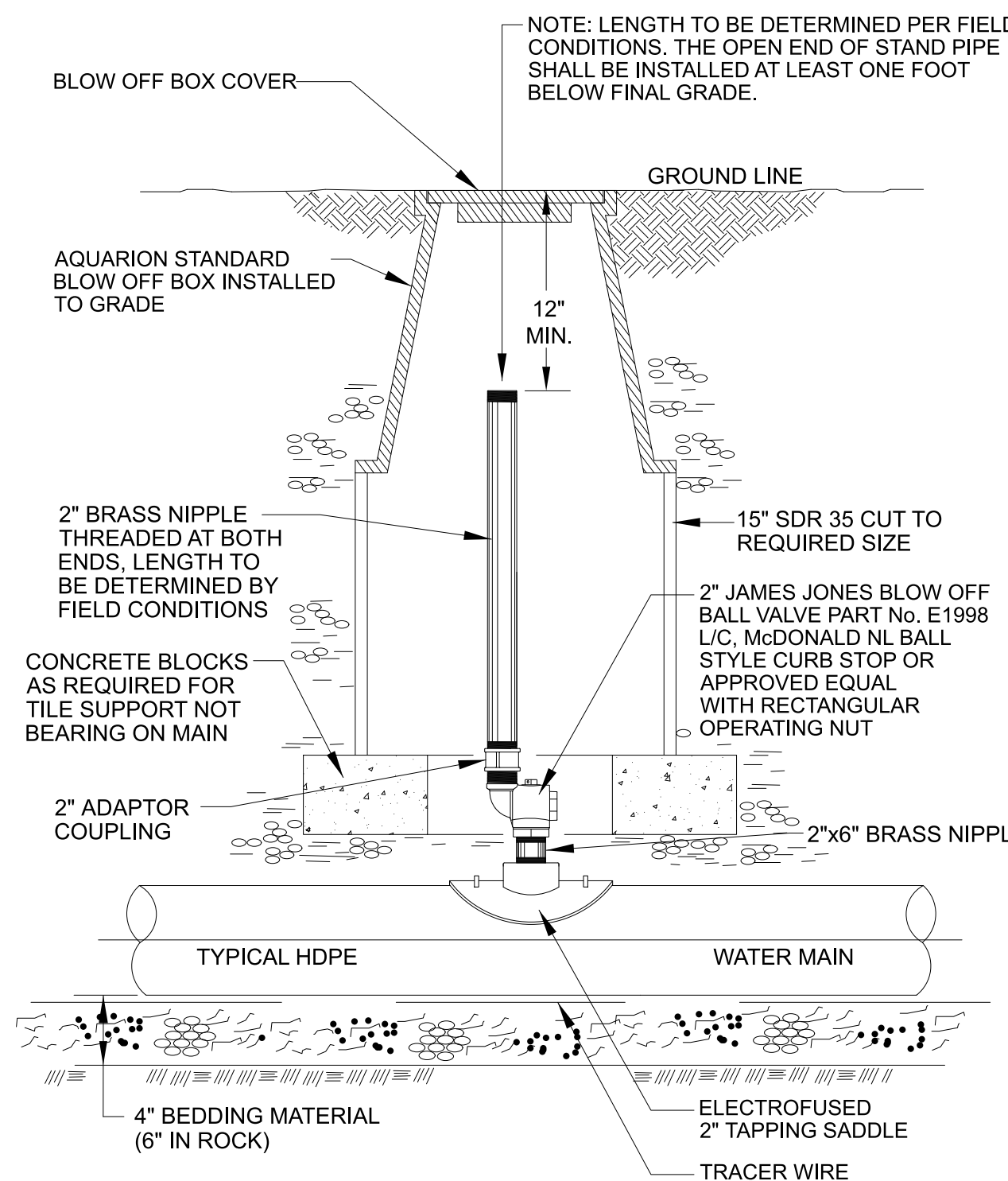


NOTE: ONLY INSTALLED ON MAINS 12" AND LARGER

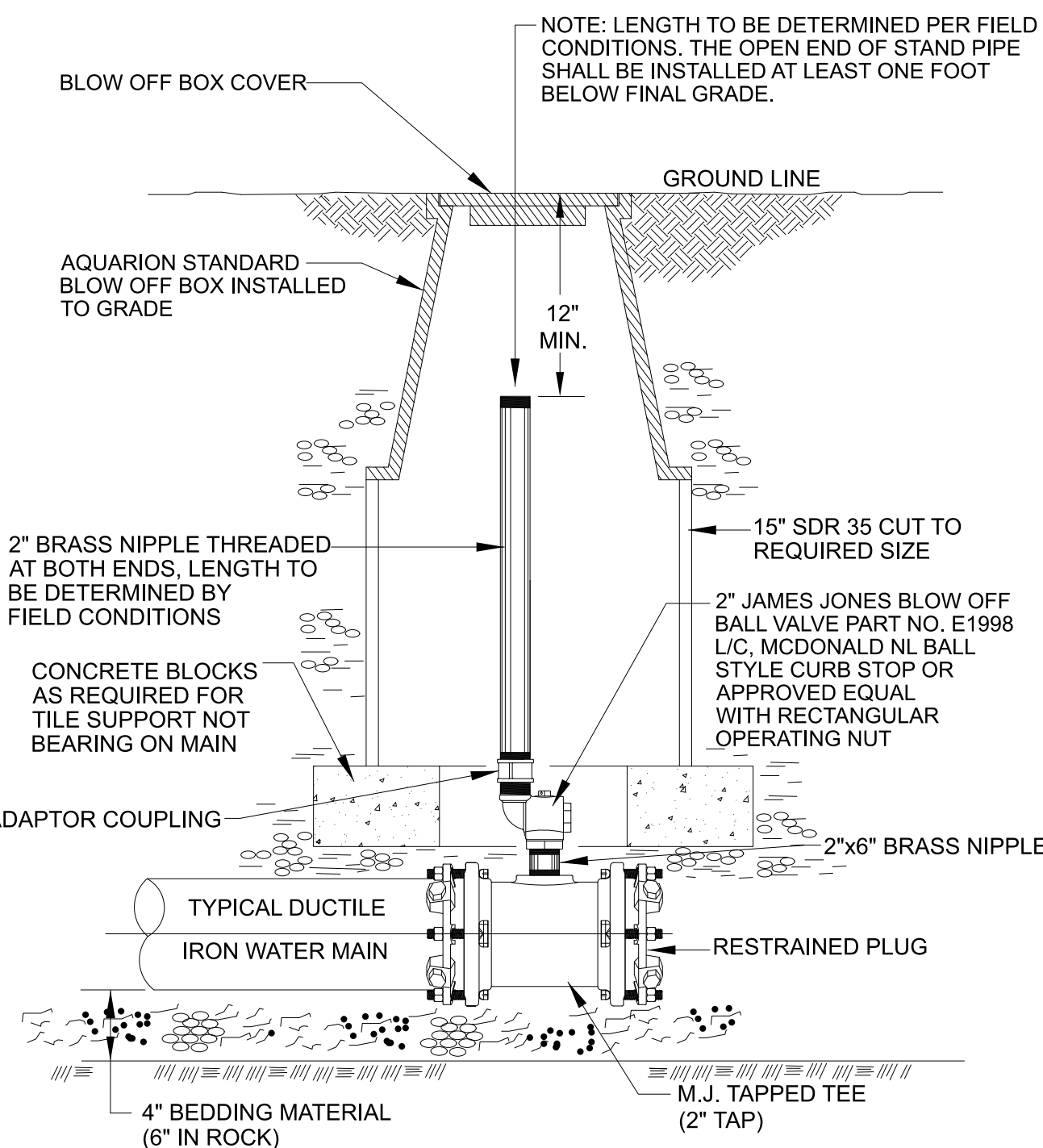
SD-3 BUTTERFLY VALVE
NOT TO SCALE



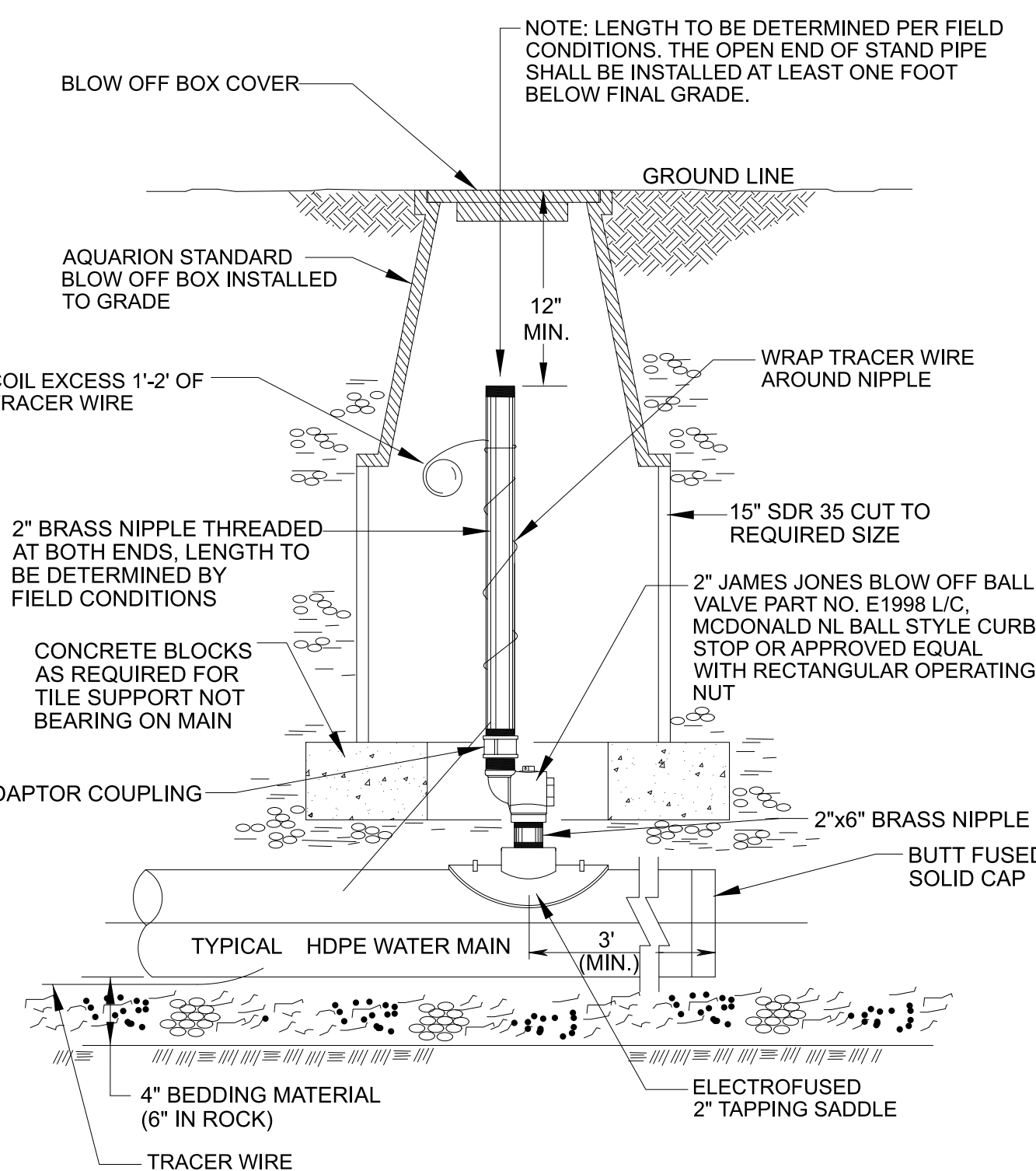
SD-4 ON LINE AIR VENT/BLOW-OFF (DIP)
NOT TO SCALE



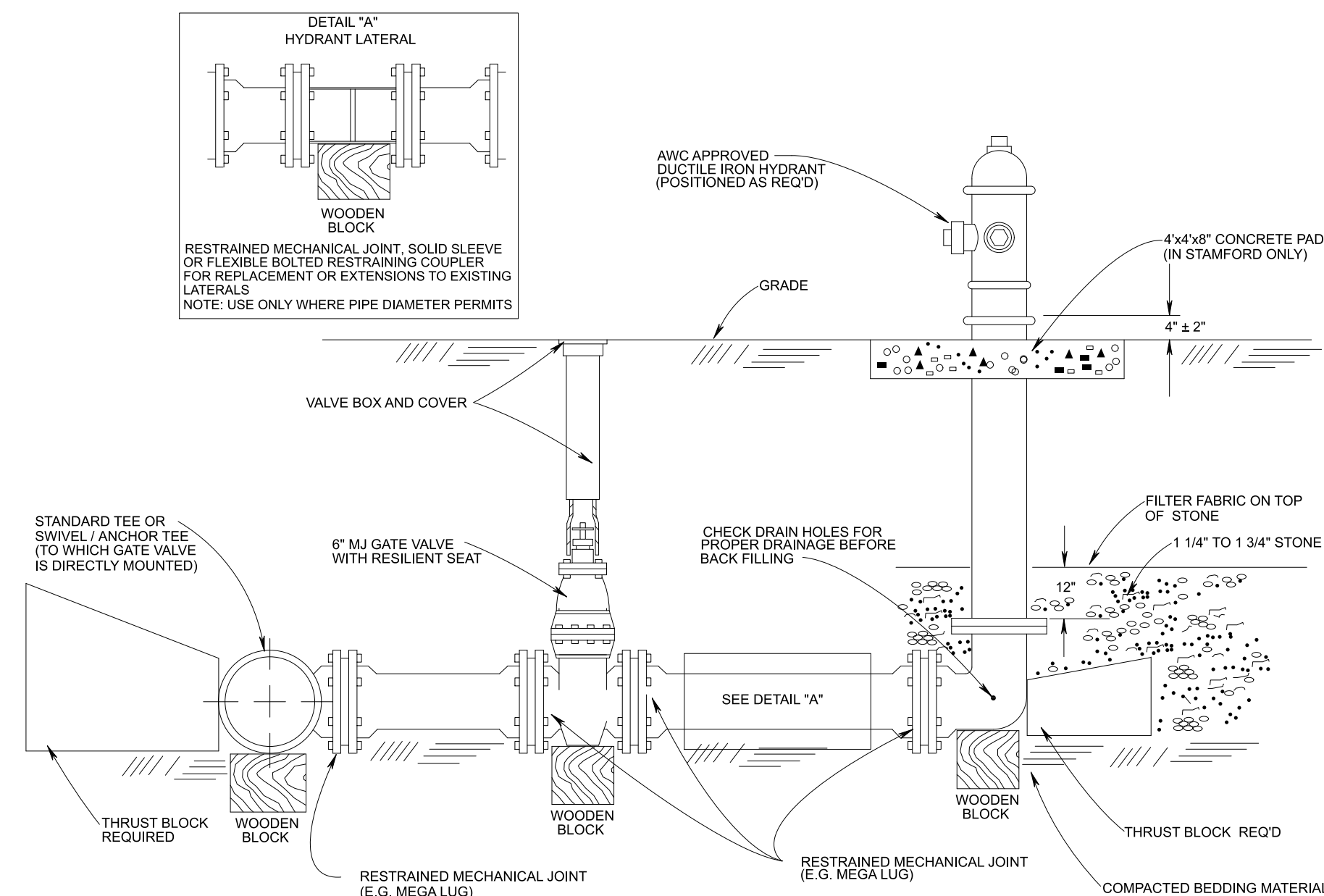
SD-5 ON LINE AIR VENT/BLOW-OFF (HDPE)
NOT TO SCALE



SD-6 BLOW-OFF @ DEAD END (DIP)
NOT TO SCALE

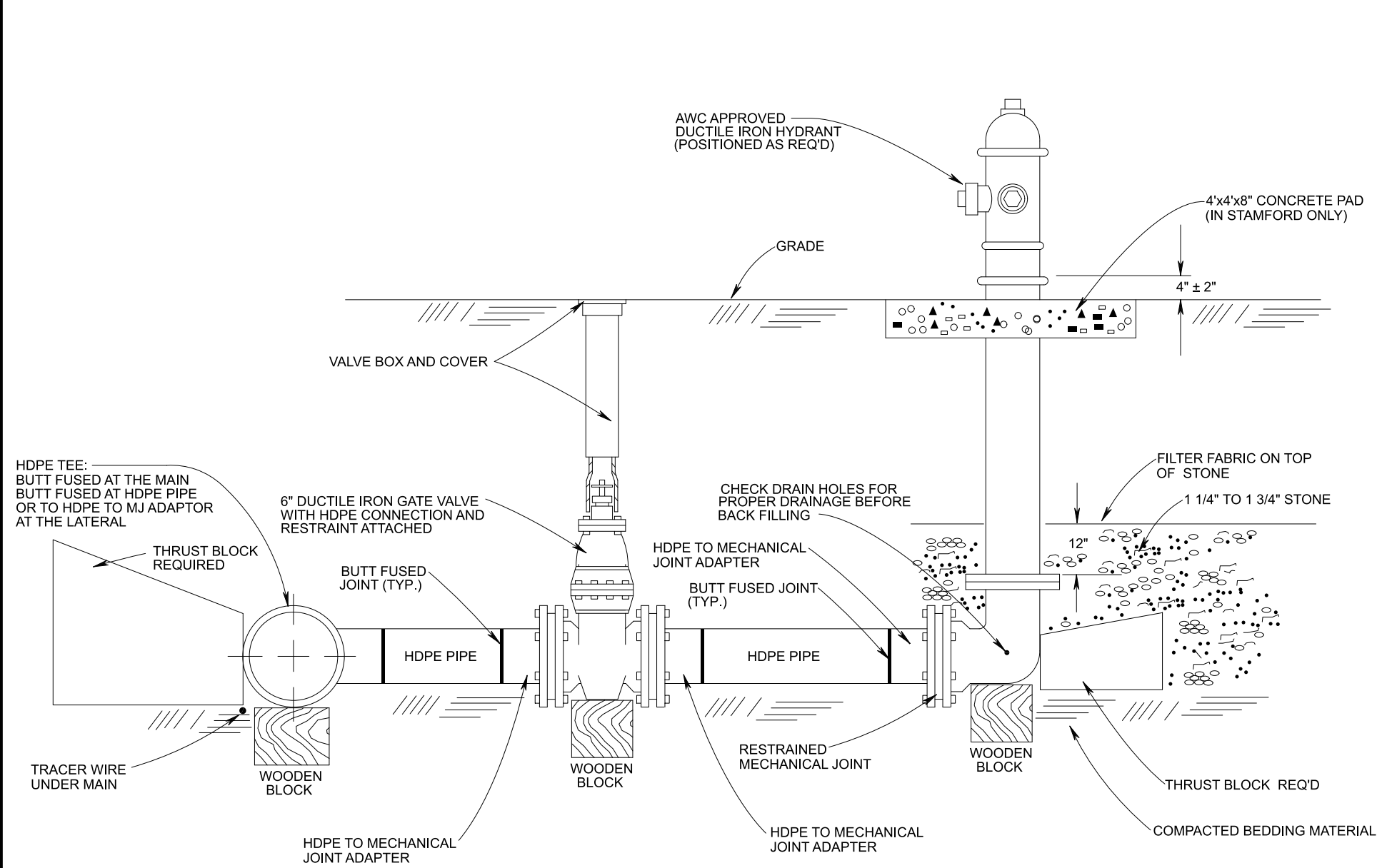


SD-7 BLOW-OFF @ DEAD END (HDPE)
NOT TO SCALE

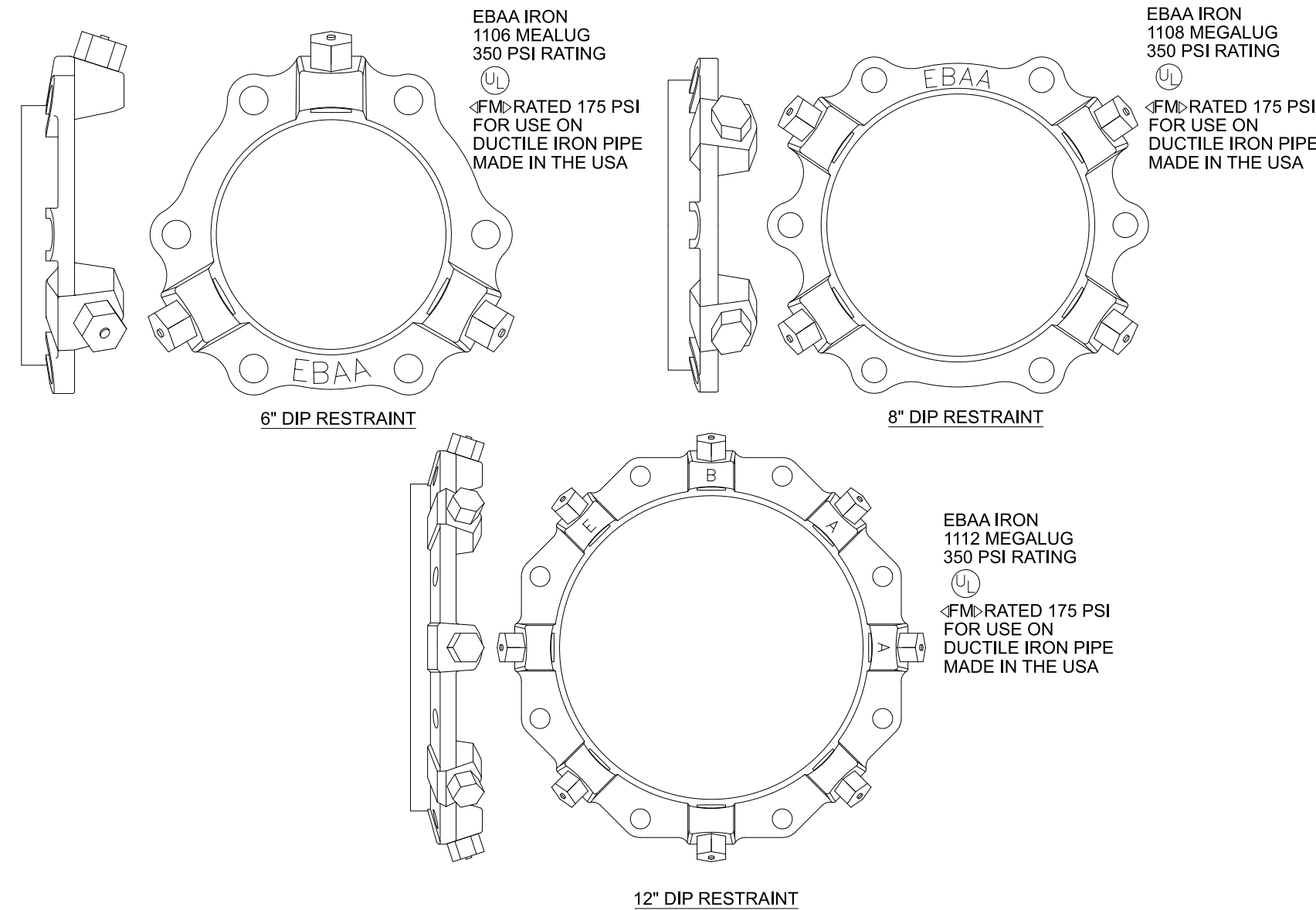


SD-8 HYDRANT ASSEMBLY (DIP)
NOT TO SCALE

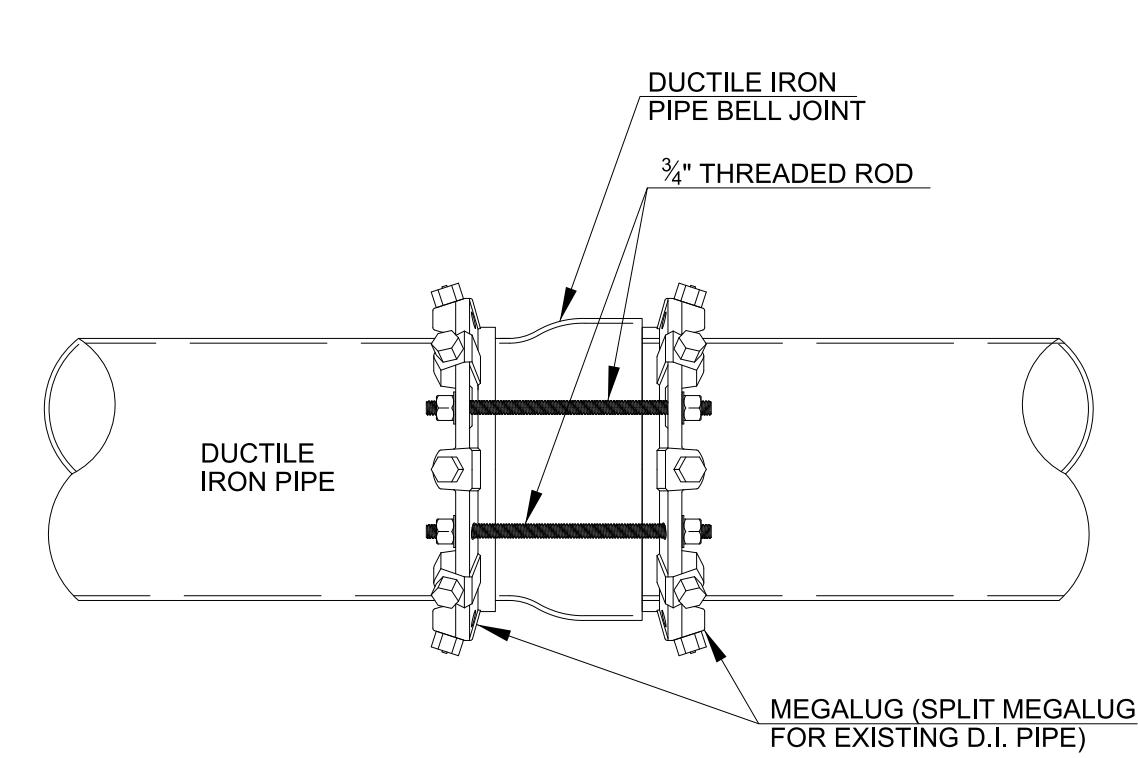
REV.	DATE	REVISION DESCRIPTION



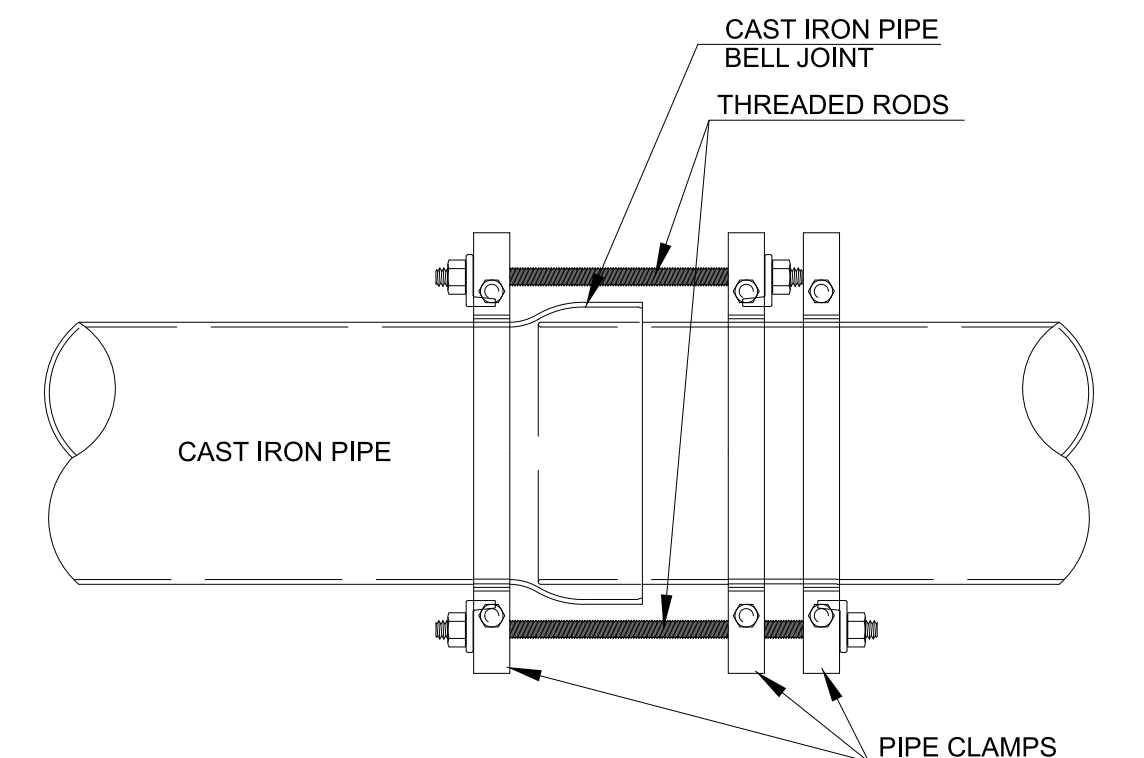
SD-9 HYDRANT ASSEMBLY (HDPE)
NOT TO SCALE



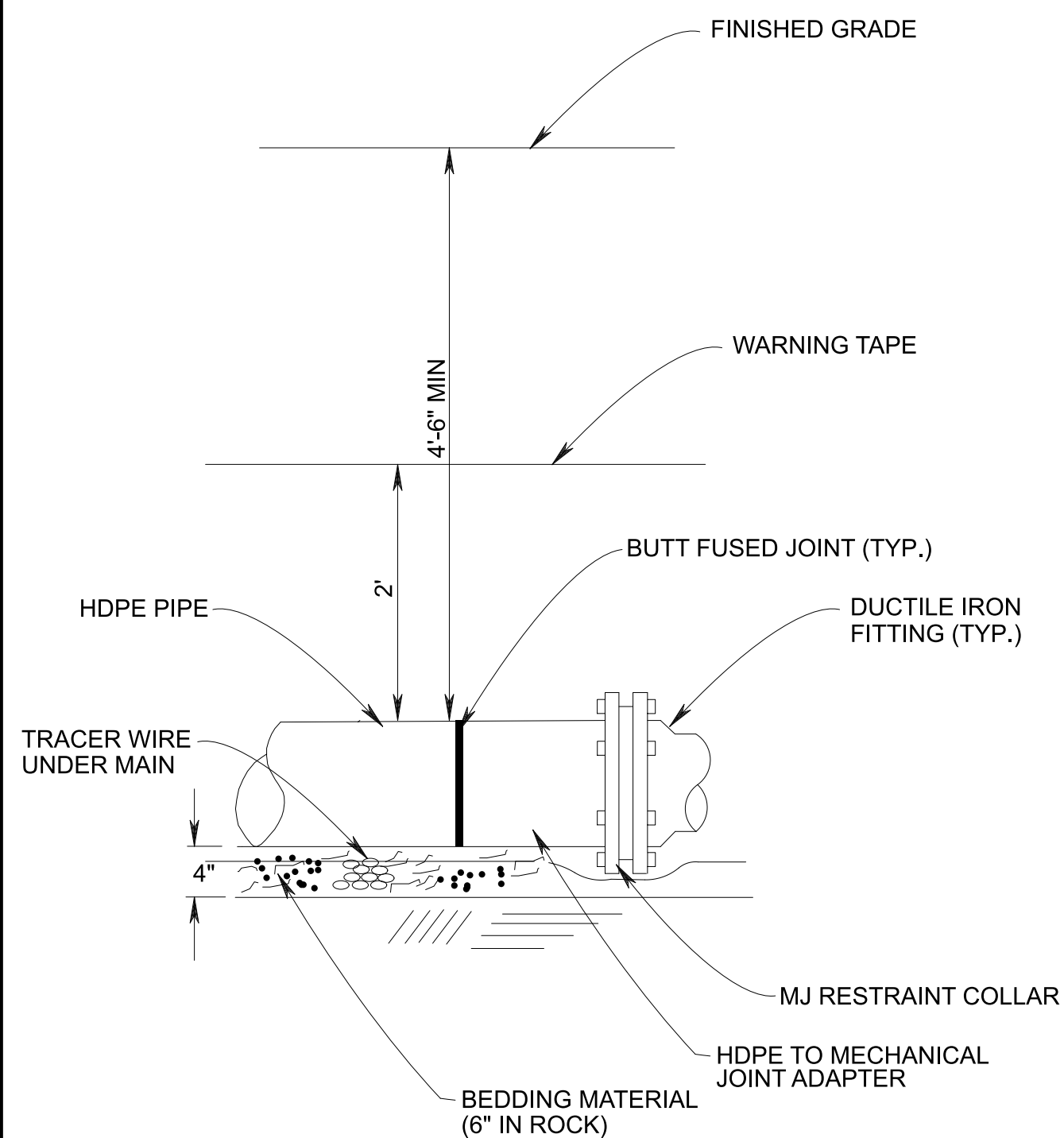
SD-10 DUCTILE IRON PIPE RESTRAINTS
NOT TO SCALE



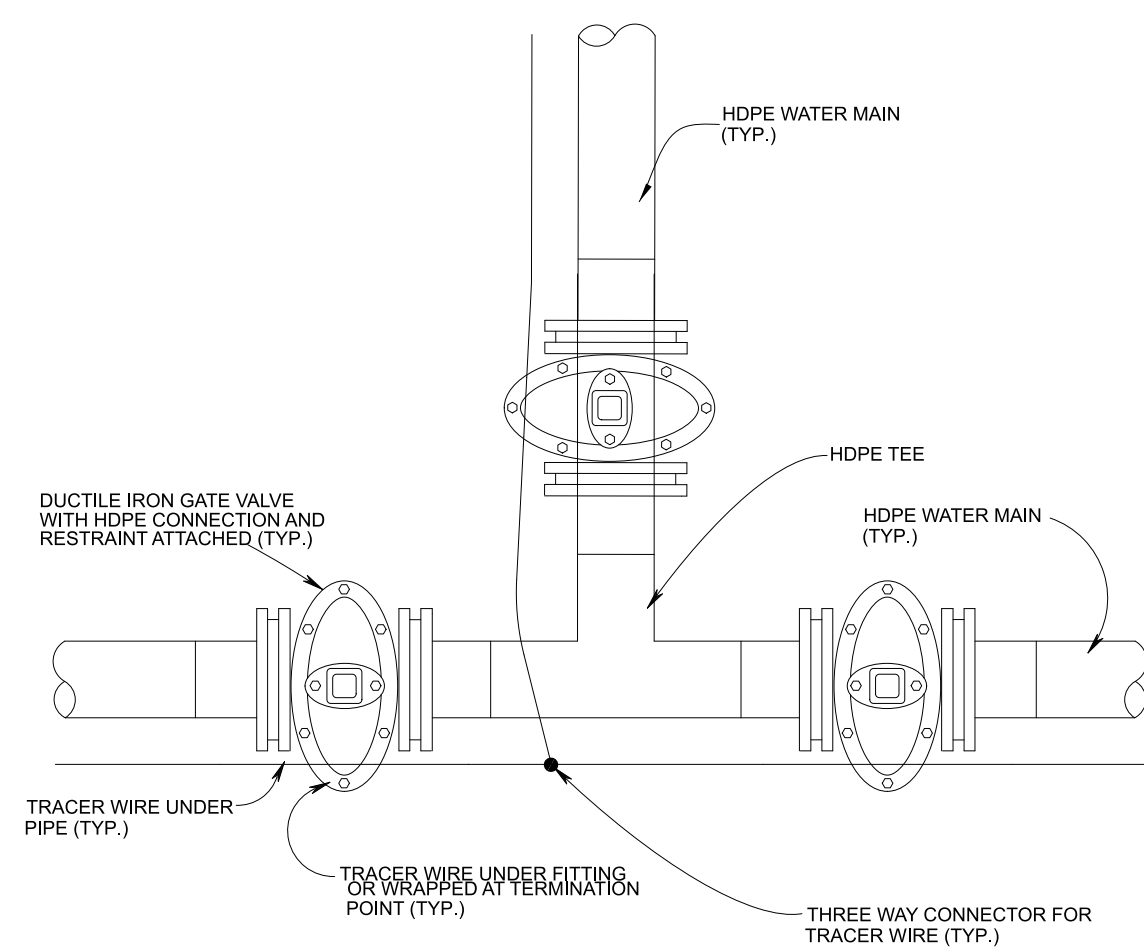
SD-10a RESTRAINT FOR DUCTILE IRON JOINT
NOT TO SCALE



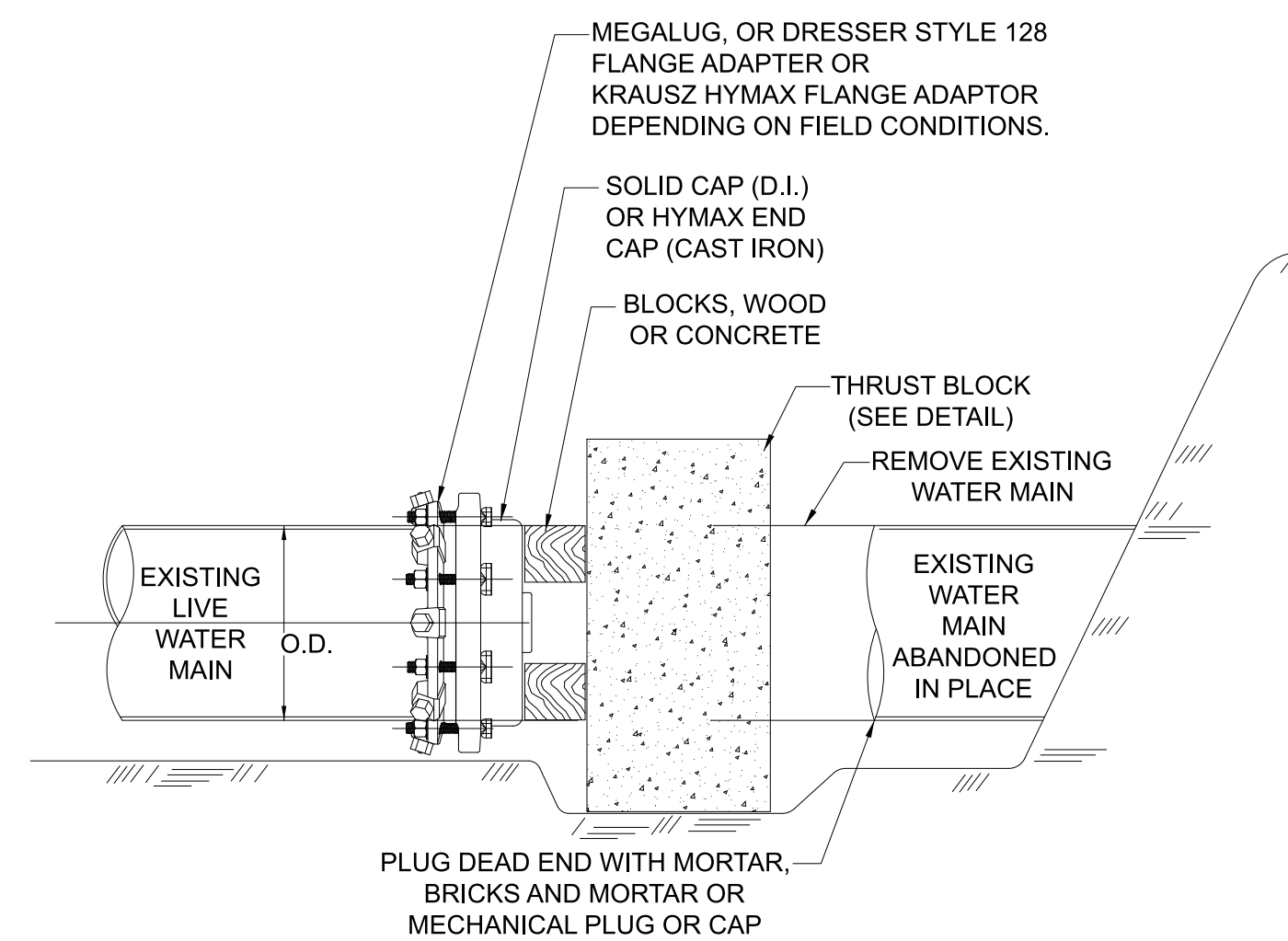
SD-10b RESTRAINT FOR CAST IRON JOINT
NOT TO SCALE



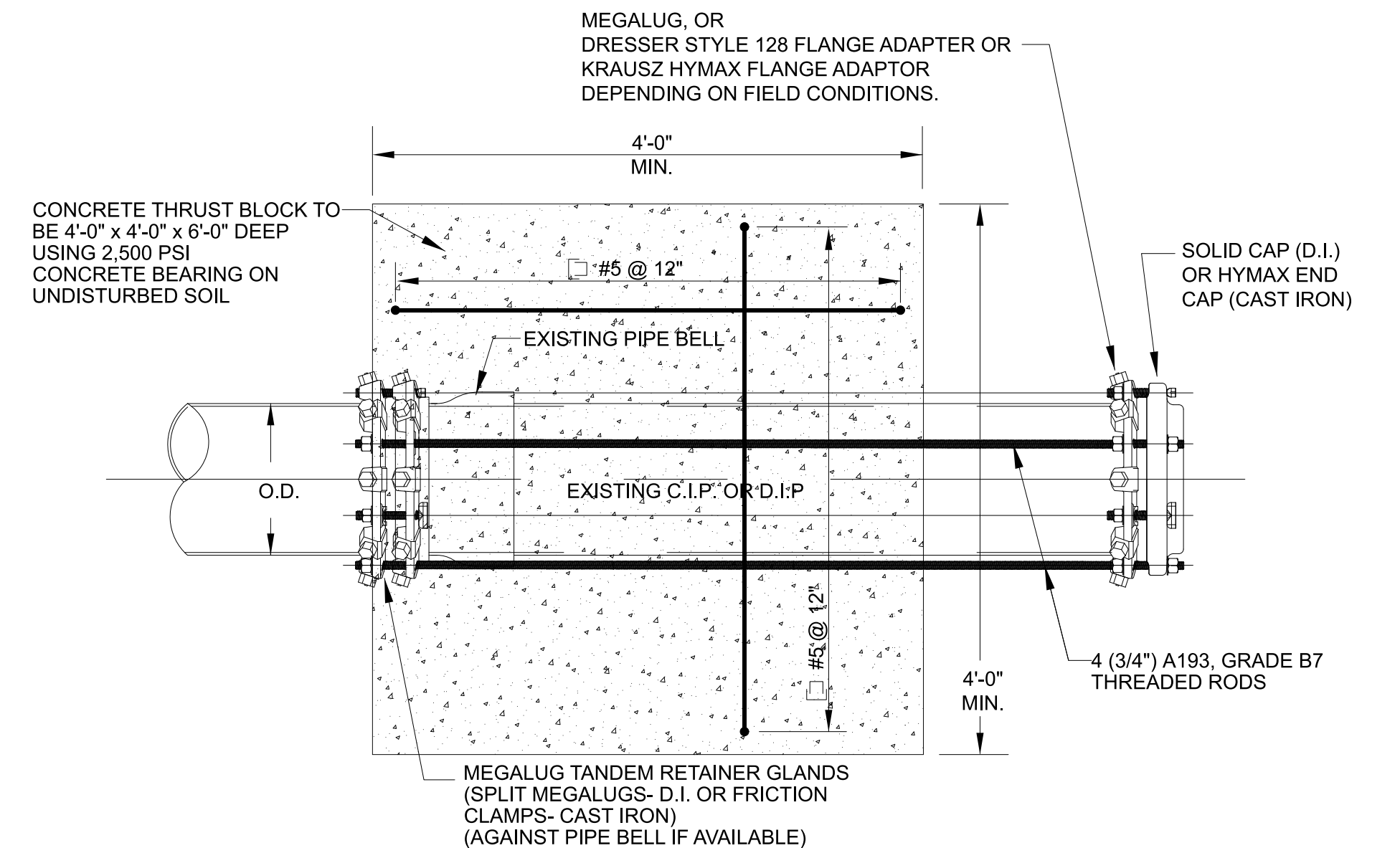
SD-11 HDPE TO MECHANICAL JOINT ADAPTOR
NOT TO SCALE



SD-12 TRACER WIRE
NOT TO SCALE

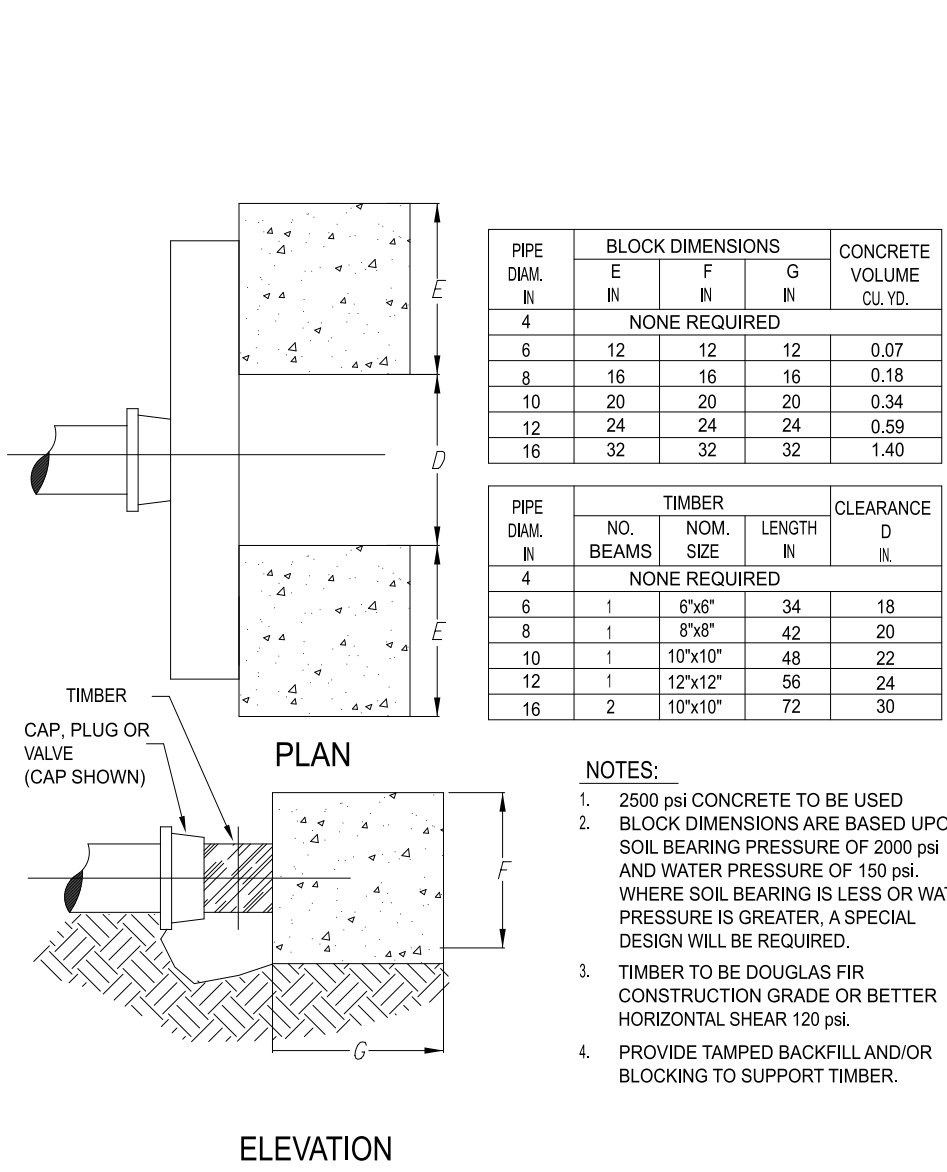


SD-13a CUT AND CAP WATER MAIN
NOT TO SCALE

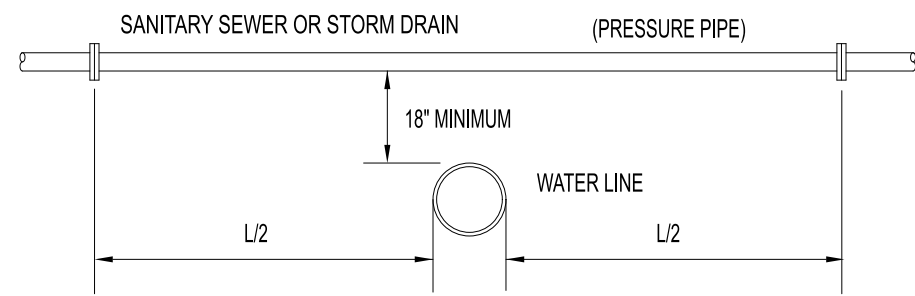


SD-13b CONCRETE THRUST BLOCK WITH PERMANENT END CAP
NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION

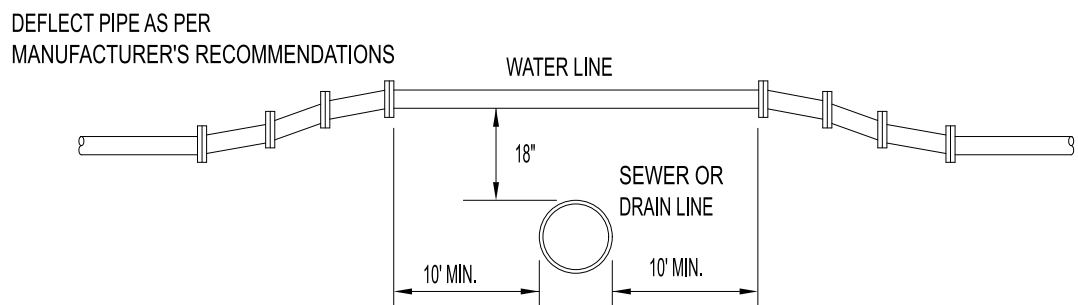


SD-13 THRUST BLOCKS AT DEAD ENDS
NOT TO SCALE



NOTE:
WHERE WATER LINE PASSES BENEATH SEWER LINE OR STORM DRAIN, THE JOINTS OF THE PIPE SHALL BE A MIN. OF 10' FROM THE POINT OF CROSSING.

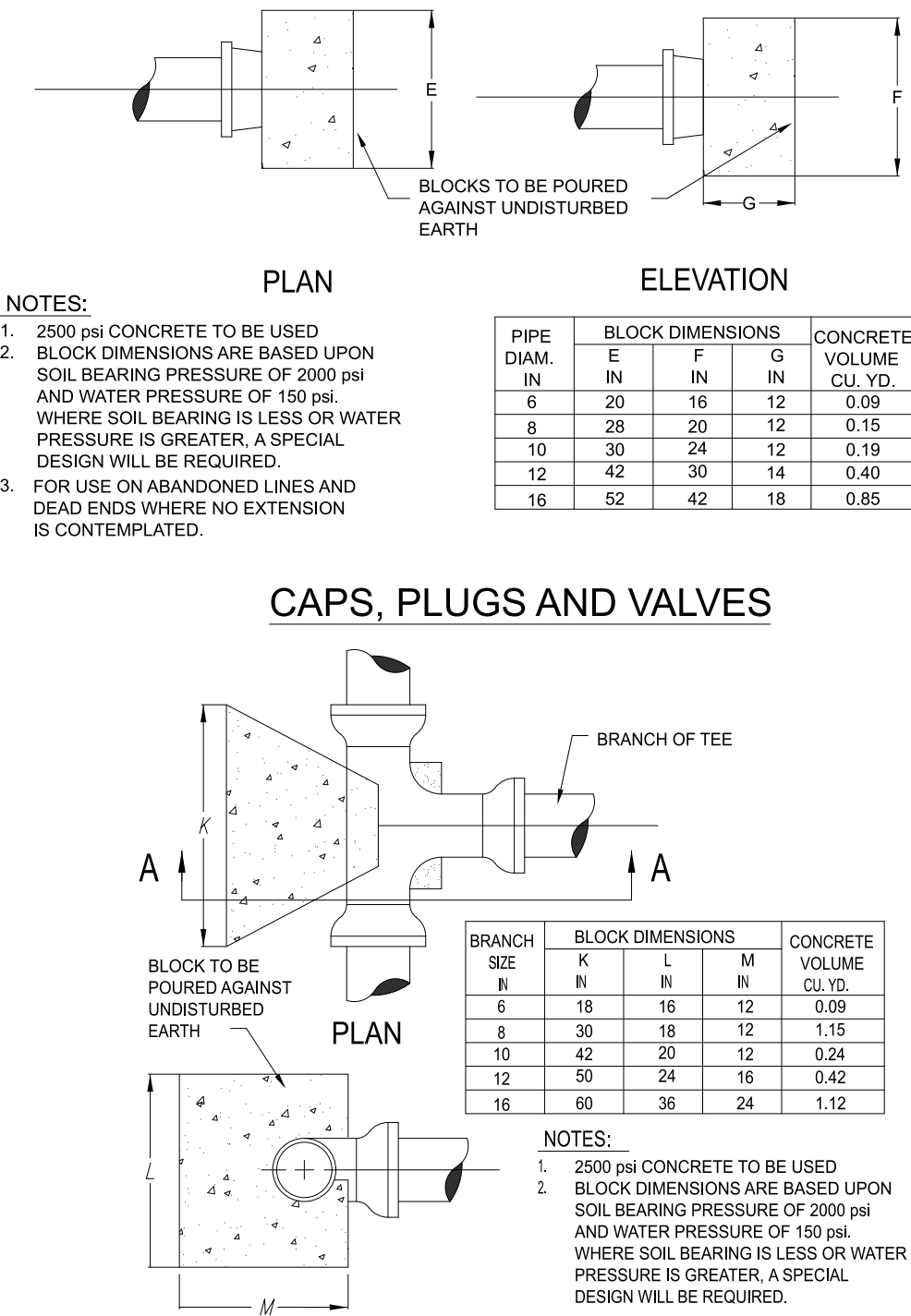
CROSSING OF WATER LINE UNDER SANITARY SEWER OR STORM DRAIN



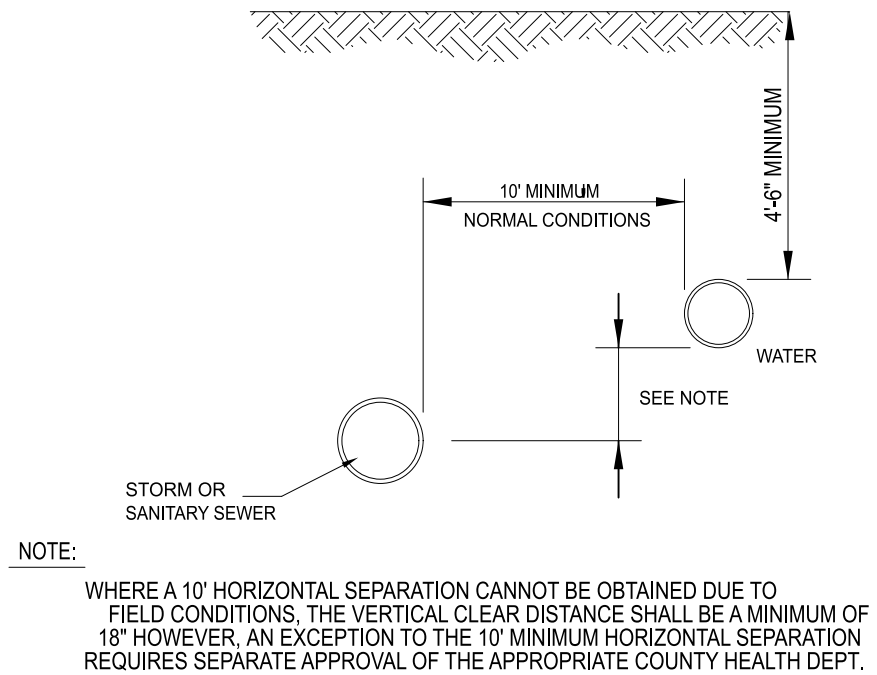
NOTE:
FOR ANY CONDITIONS OTHER THAN SHOWN ABOVE THE FOLLOWING REQUIREMENTS SHALL BE MET. THE JOINTS OF THE SANITARY SEWER OR STORM DRAIN SHALL BE A MINIMUM OF 10' FROM THE POINT OF CROSSING.

CROSSING OF WATER LINE OVER SANITARY SEWER OR STORM DRAIN

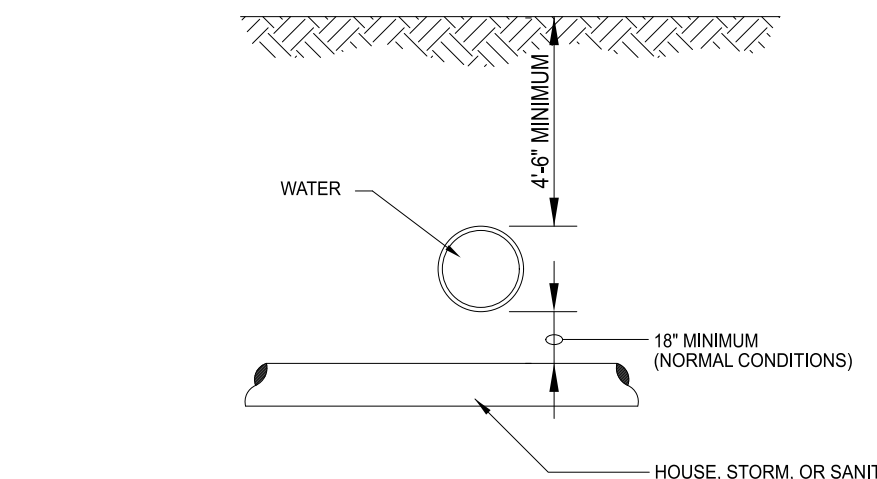
SD-18 PIPE INSTALLATION CROSSING SANITARY/STORM SEWER
NOT TO SCALE



SD-14 THRUST BLOCKS AT TEES, CAPS, PLUGS & VALVES
NOT TO SCALE



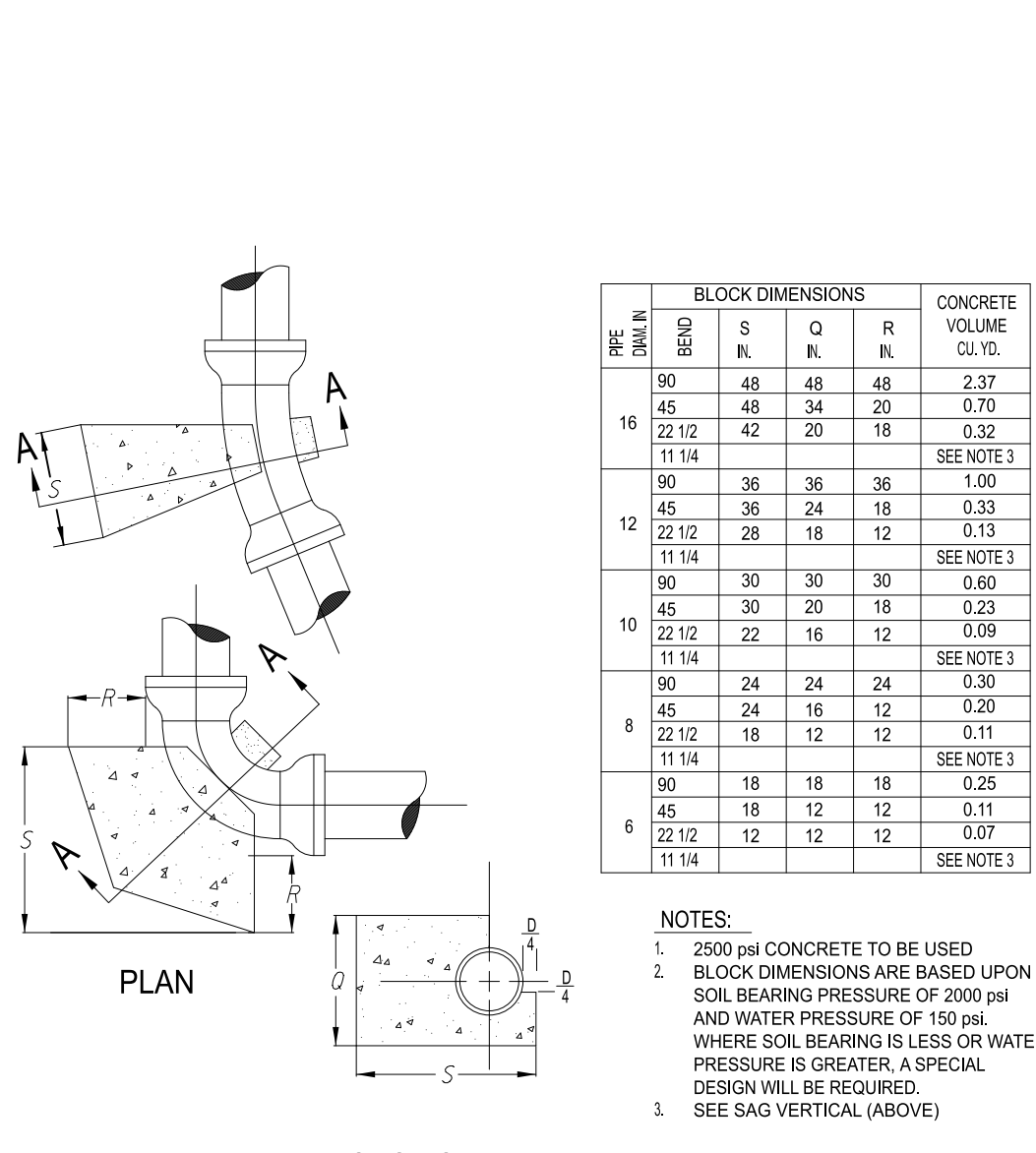
SEPARATION OF WATER MAINS AND SEWERS - PARALLEL INSTALLATION



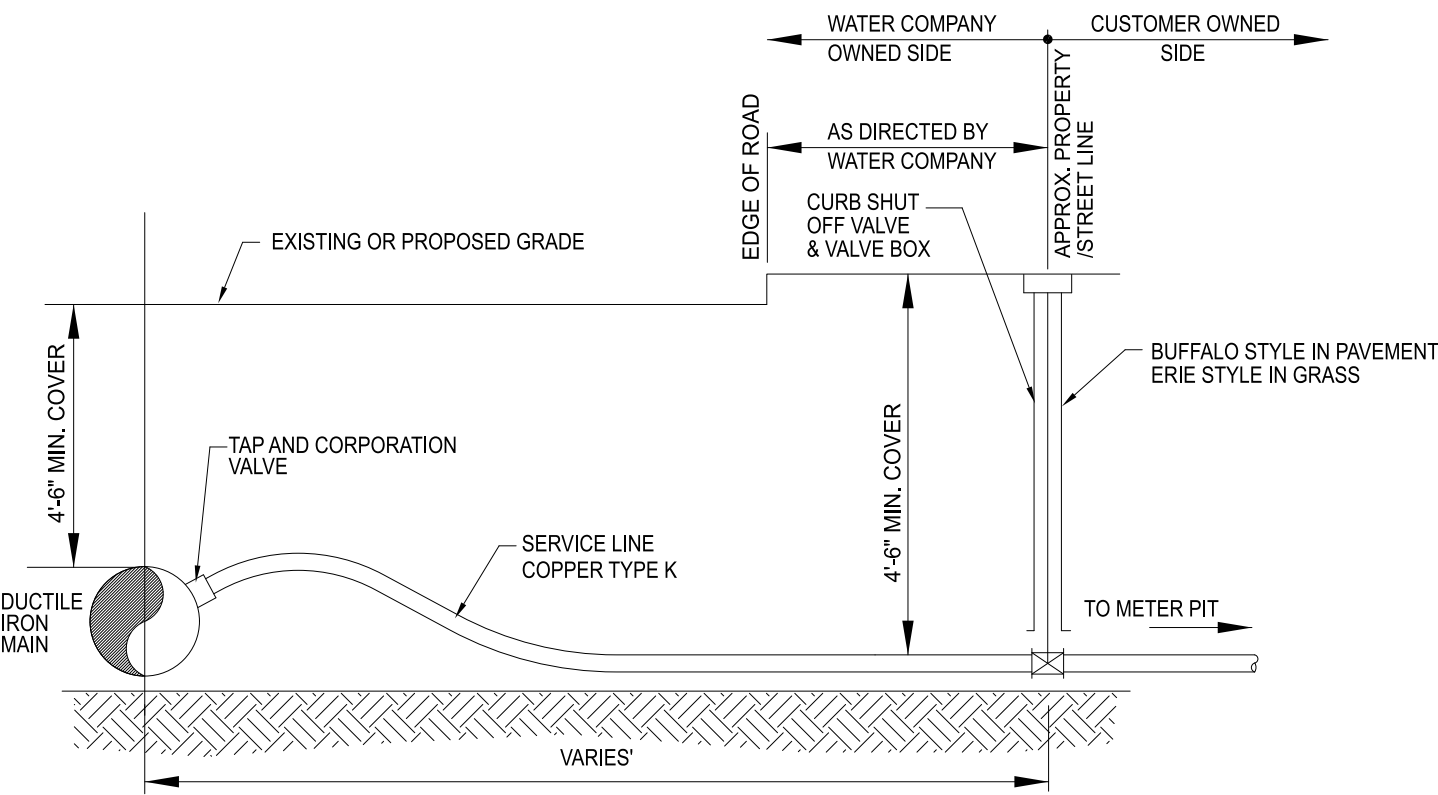
UNUSUAL CONDITIONS:
WATER MAINS PASSING UNDER SEWERS SHALL HAVE A VERTICAL CLEARANCE OF 18" MIN. BETWEEN THE SEWER AND WATER MAIN AND THE SEWER SHALL BE SUPPORTED AS DIRECTED BY THE OWNERS REPRESENTATIVE. TO THE EXTENT FEASIBLE, JOINTS IN THE WATER MAIN SHALL BE KEPT AS FAR AS POSSIBLE FROM THE SEWER. WHERE AN 18" SEPARATION CANNOT BE OBTAINED DUE TO FIELD CONDITIONS, SEPARATE APPROVAL OF THE HEALTH DEPARTMENT SHALL BE REQUIRED.

SEPARATION OF WATER MAINS AND SEWER CROSSINGS

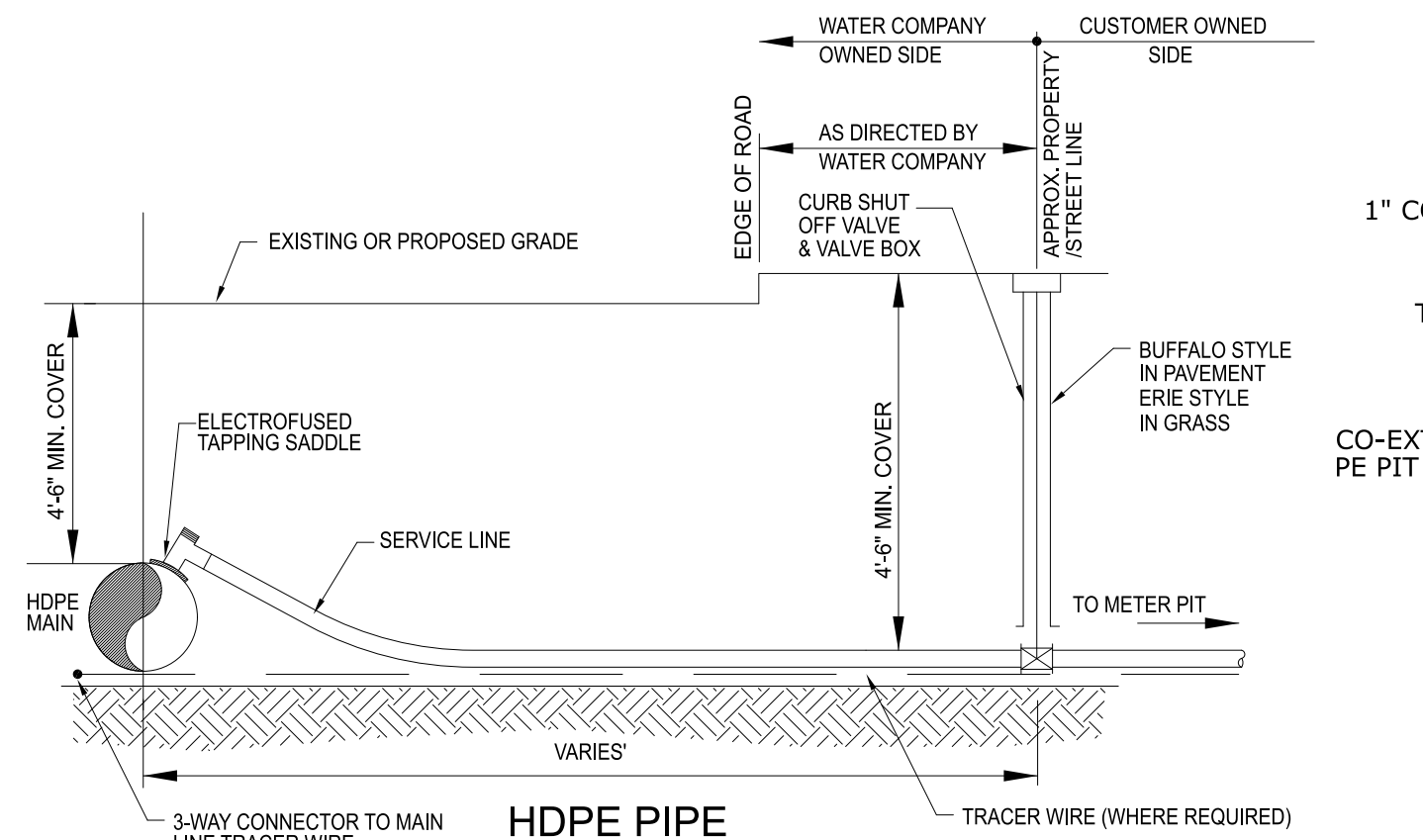
SD-19 PIPE INSTALLATION SEPARATION OF WATER & SEWER CROSSINGS
NOT TO SCALE



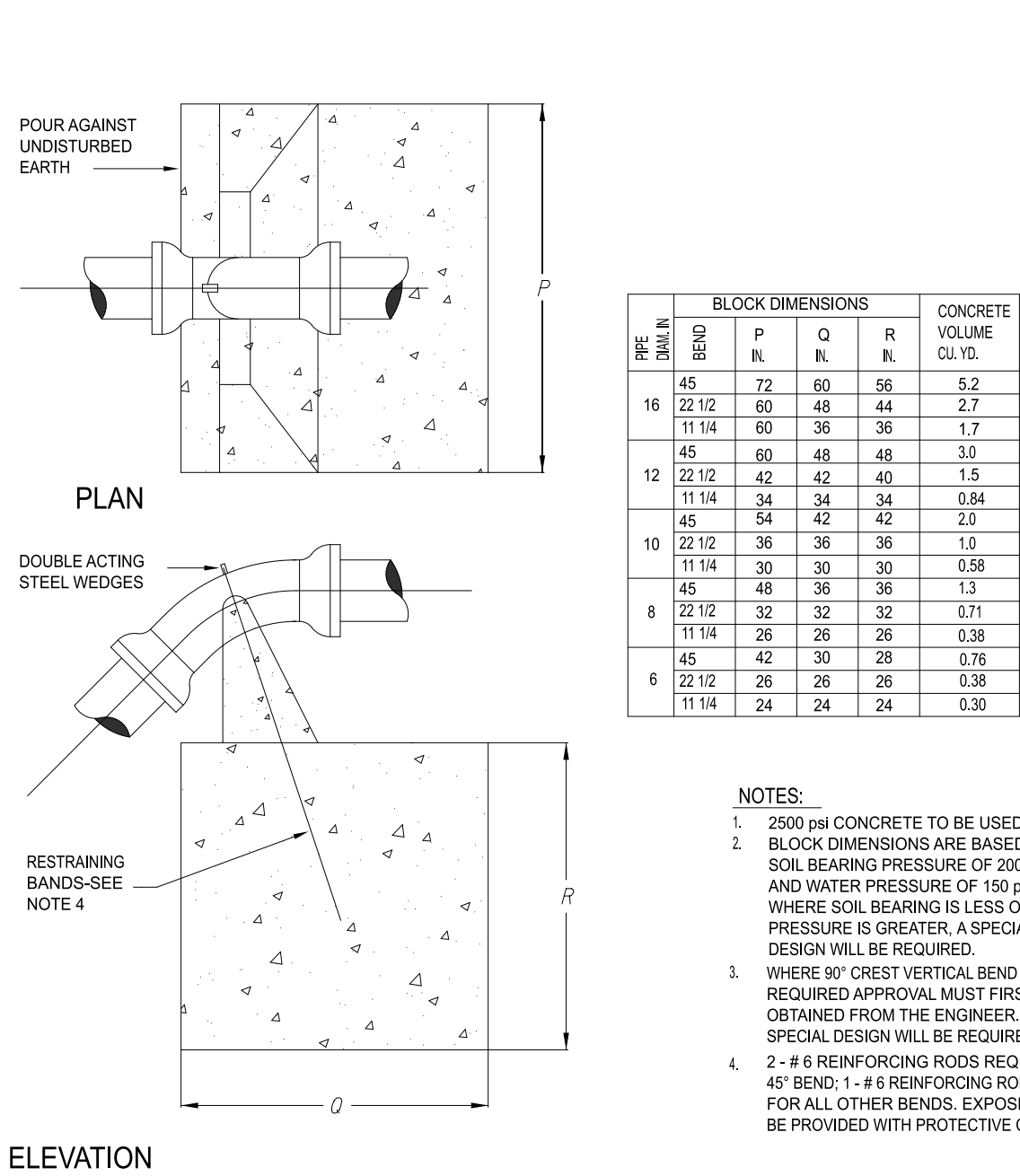
SD-15 THRUST BLOCKS AT HORIZONTAL BENDS
NOT TO SCALE



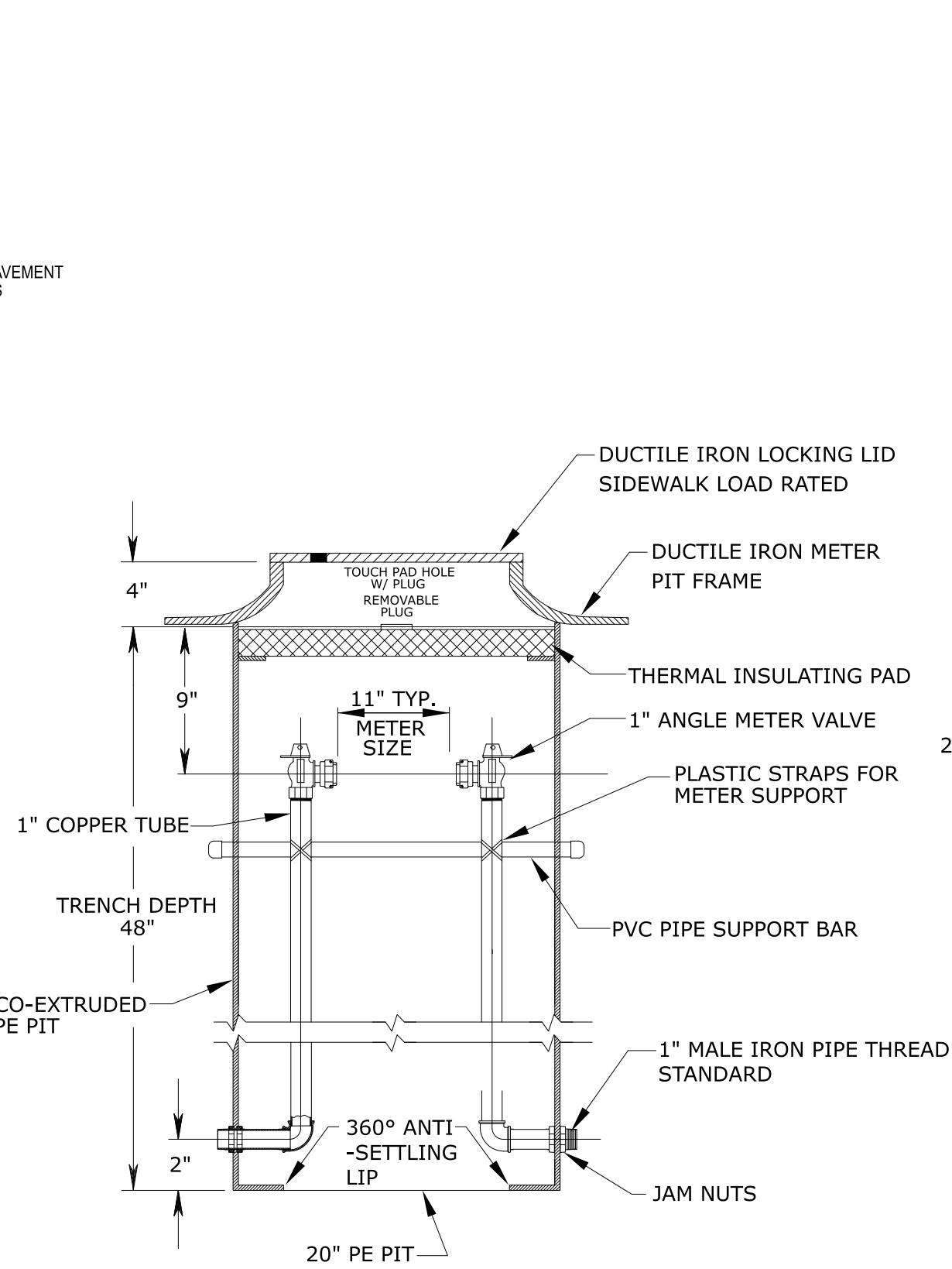
DUCTILE IRON PIPE



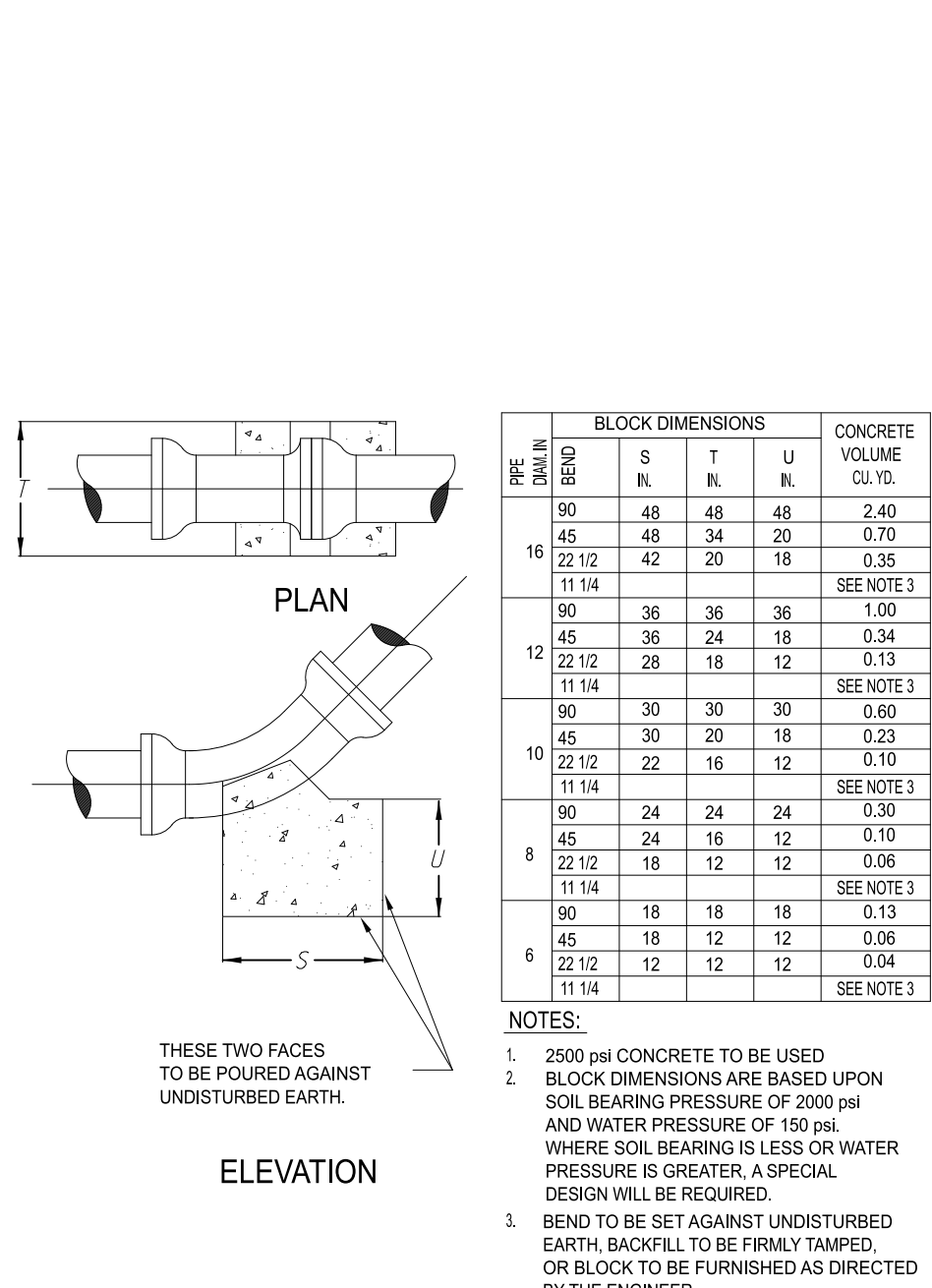
SD-20 PIPE INSTALLATION WATER SERVICE LINE
NOT TO SCALE



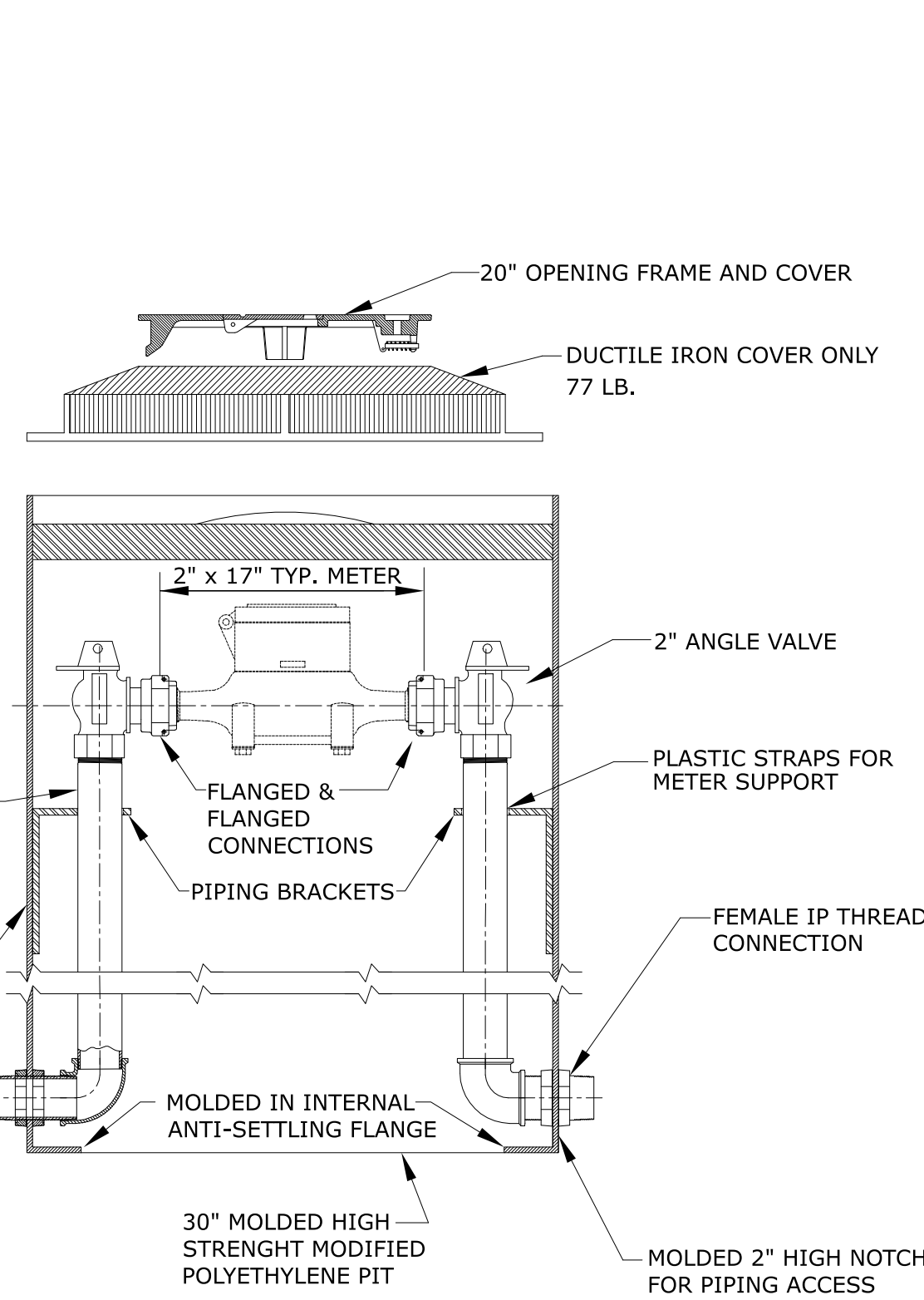
SD-16 THRUST BLOCKS AT CREST VERTICAL BENDS
NOT TO SCALE



SD-21 STANDARD 1" METER PIT
NOT TO SCALE



SD-17 THRUST BLOCKS AT SAG VERTICAL BENDS
NOT TO SCALE



SD-22 STANDARD 2" METER PIT
NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION



AWC-10

07.10