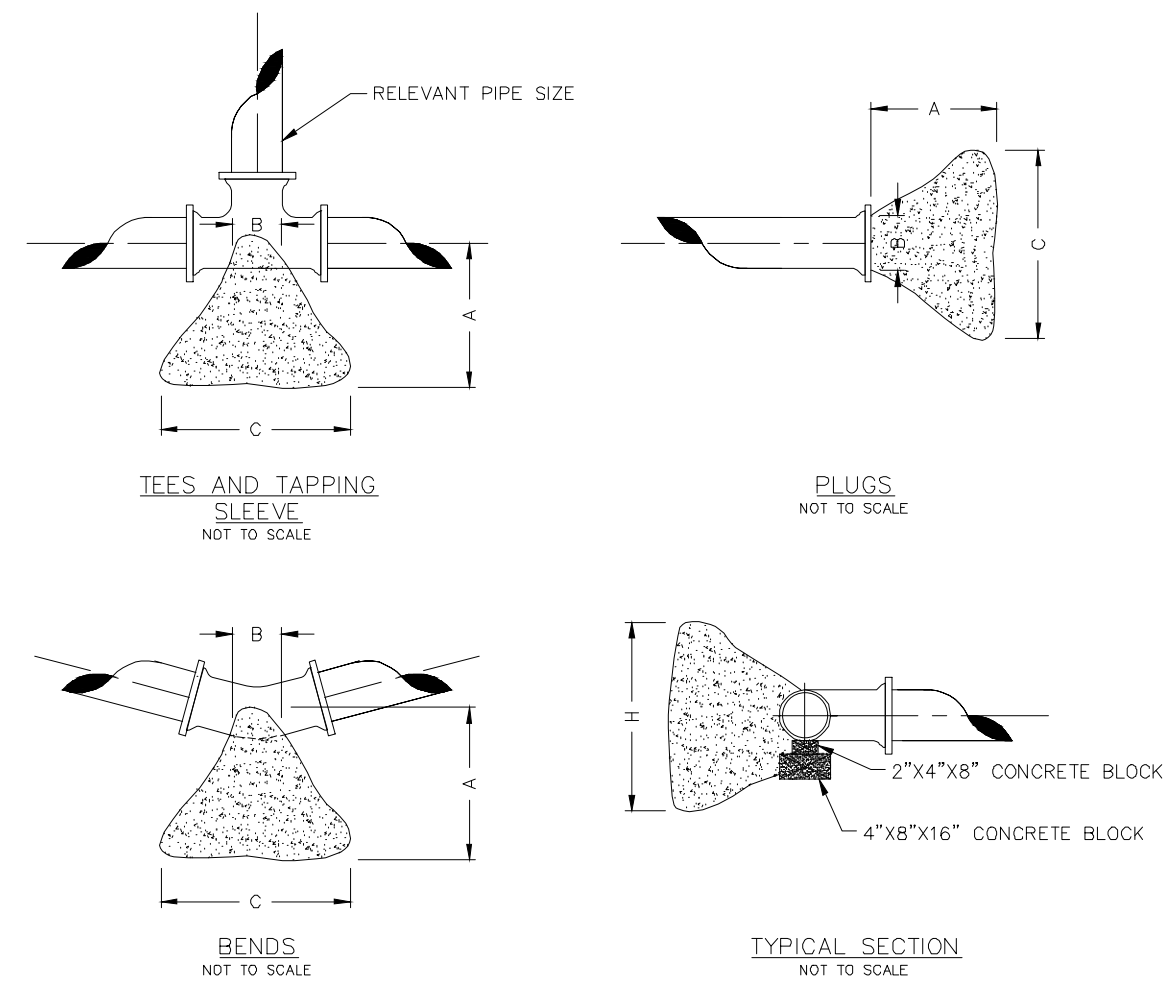


NOTE: THIS DETAIL IS FROM PWS#2



THRUST BLOCK DIMENSIONS - INCHES												
PIPE DIA.	ALL FTGS.		TEE PLUG TAPPING		90 DEGREE BEND		45 DEGREE BEND		22-1/2 BEND		11-1/4 BEND	
	A	B	C	H	C	H	C	H	C	H	C	H
4	14	4	24	12	26	15	18	12	12	12	12	12
6	16	6	36	18	36	24	30	18	24	12	12	12
8	20	8	36	30	42	36	36	24	24	18	18	12
10	20	10	48	36	66	36	36	36	28	24	18	18
12	24	12	68	36	82	42	52	36	40	24	28	18

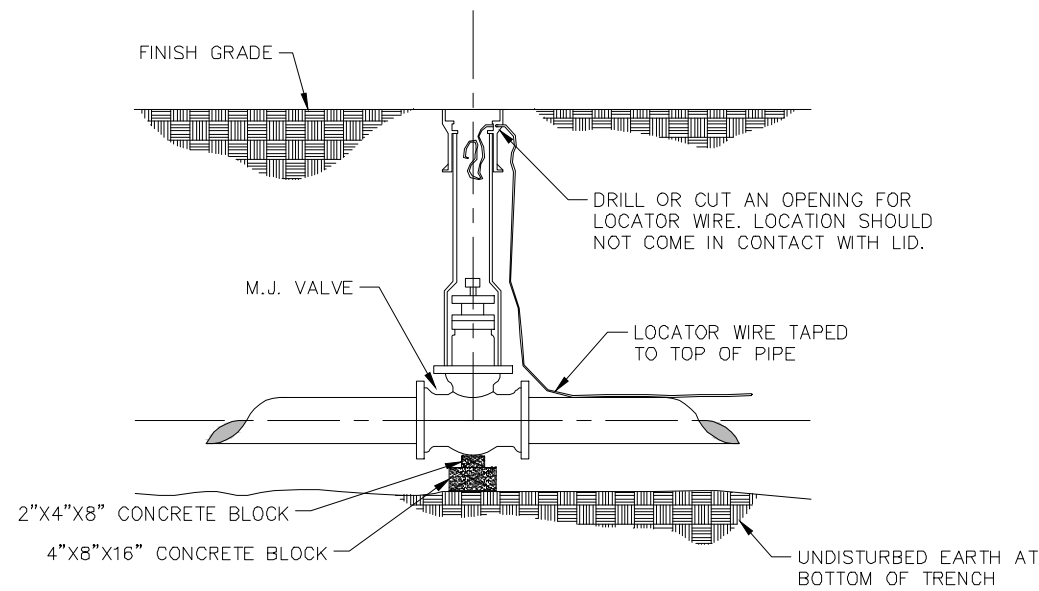
NOTE

FOR FITTINGS LARGER THAN 12", SPECIAL RESTRAINT DESIGNS ARE REQUIRED.

HORIZONTAL THRUST BLOCKING
DETAIL "C"

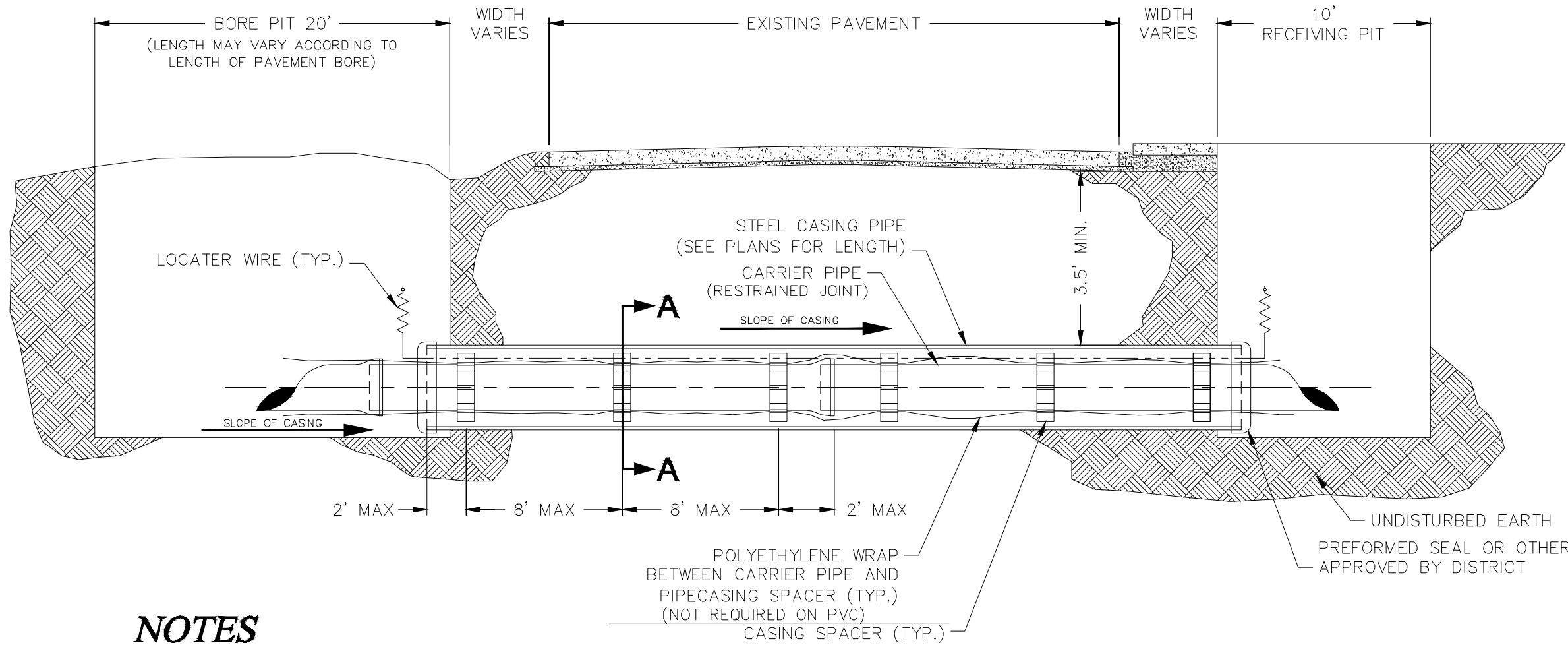
NOTE: THIS DETAIL IS FROM PWS#2

Buffalo box is an acceptable product to use.
Tyler 562-S and 564-S are acceptable products.



GATE VALVE DETAIL
NOT TO SCALE
DETAIL "D"

NOTE: THIS DETAIL IS FROM PWS#2



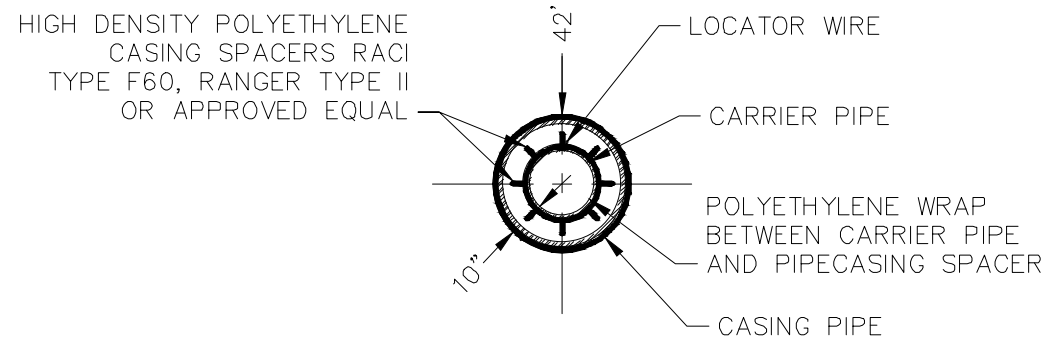
NOTES

A. INSTALLATION OF THE CASING AND CARRIER PIPES SHALL MEET THE REQUIREMENTS OF PUBLIC WATER SUPPLY DISTRICT No. 2 OF ST. CHARLES COUNTY.

B. CASING PIPES FOR ROAD AND HIGHWAY CROSSINGS SHALL BE WELDED STEEL PIPE WITH A MINIMUM WALL THICKNESS OF 1/4" NON-COATED AND SHALL HAVE A MINIMUM DIAMETER OF 10" LARGER THAN THE NOMINAL SIZE OF THE CARRIER PIPE.

C. THE CARRIER PIPE SHALL BE RESTRAINED JOINT PIPE

PLAN VIEW
NOT TO SCALE

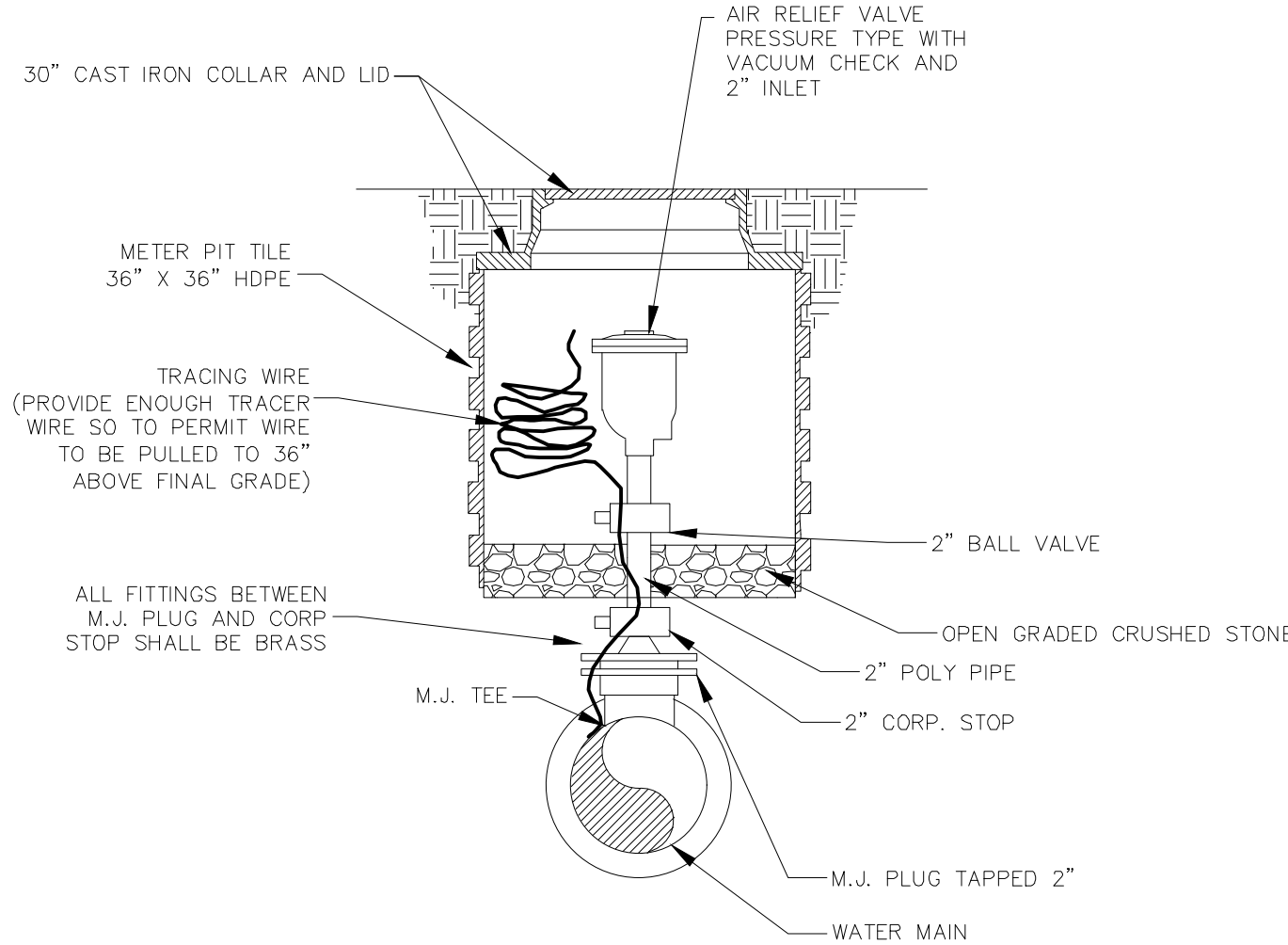
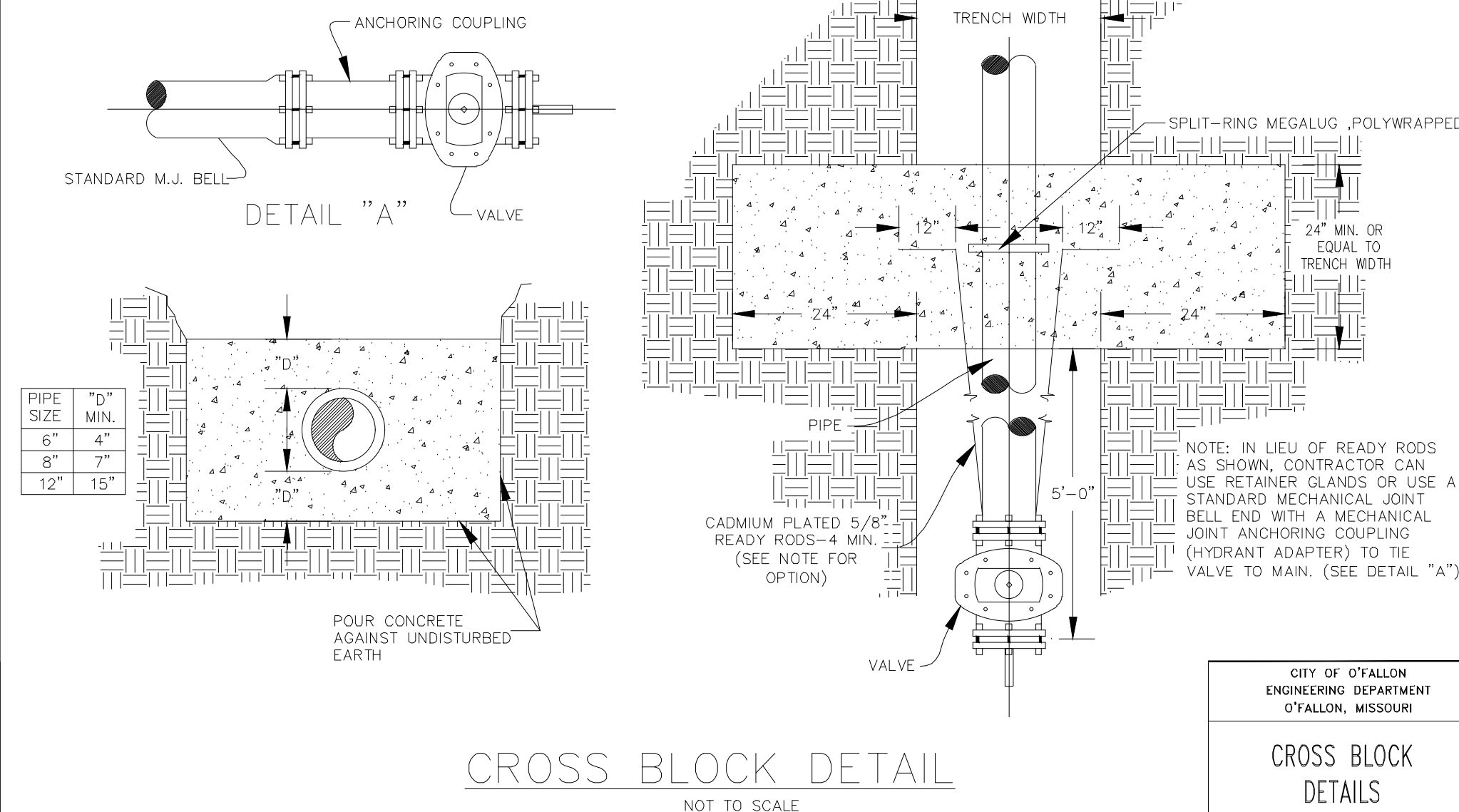


SECTION A-A
NOT TO SCALE

FOR SANITARY SEWER BORES, SEE THE MSD DETAIL

TYPICAL WATER BORE AND ENCASEMENT
DETAIL "H"

ISSUE	DATE / REMARKS
1	1-19-2024 Initial Submittal
2	5-01-2024 City Comment Revisions
3	6-21-2024 City Comment Revisions
4	7-30-2024 City Comment Revisions
5	8-30-2024 City Comment Revisions



AIR RELIEF ASSEMBLY
NOT TO SCALE

PROJECT TITLE
BROOKSIDE ADDITION
PHASE 4
O'FALLON, MISSOURI

THE **STERLING** CO.
ENGINEERS & SURVEYORS
5055 New Baumgartner Road
St. Louis, Missouri 63129
Ph 314-487-0440 Fax 314-487-8944
www.sterling-eng-sur.com
Corporate Certificate of Authority #001348

STATE OF MISSOURI
RODNEY ARNOLD
Professional Engineer
PE-2002016612
Date: 8/30/2024
RODNEY ARNOLD
LICENSE # PE-2002016612
Professional Engineer

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WATER DETAILS

P+Z No. 23-010457
City No. 24-000568
Date: 8/30/2024
Job No. 22-09-284

Page No.

DTL-7

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