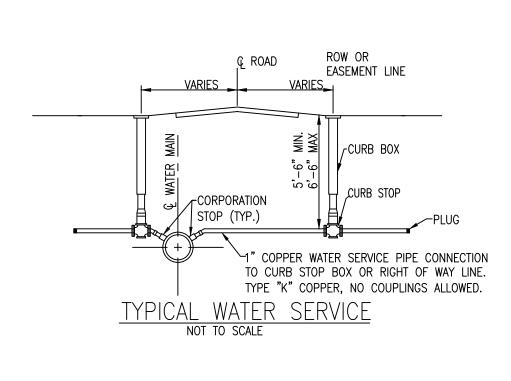
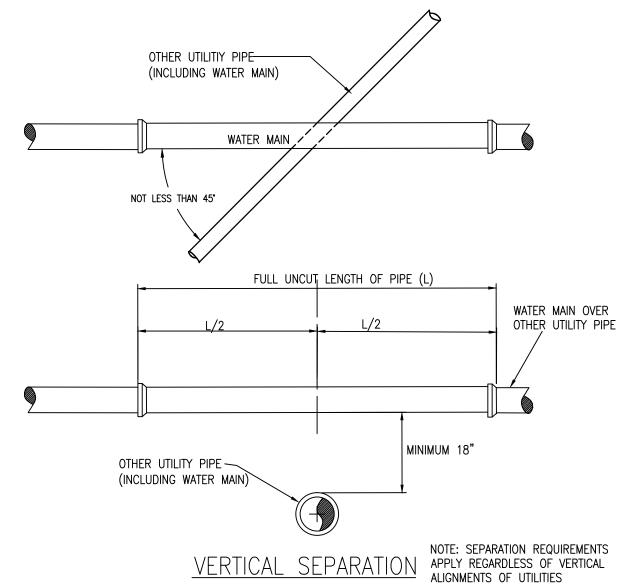


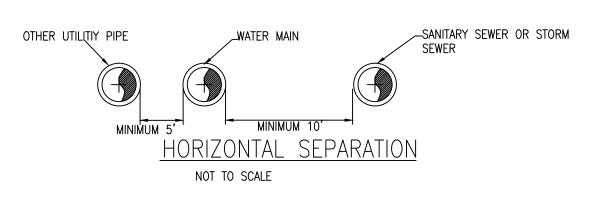
MDOT GRANULAR MATERIAL CLASS II (MINIMUM 4" THICK), THEN THE WATER MAIN

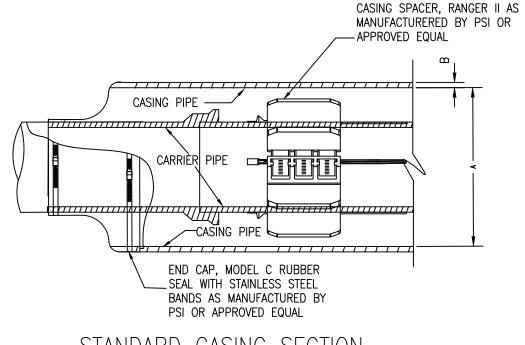
MAY BE LAID DIRECTLY ON THE COMPACTED EXISTING SUBGRADE MATERIAL.





WATER MAIN CROSSING OTHER UTILITIES



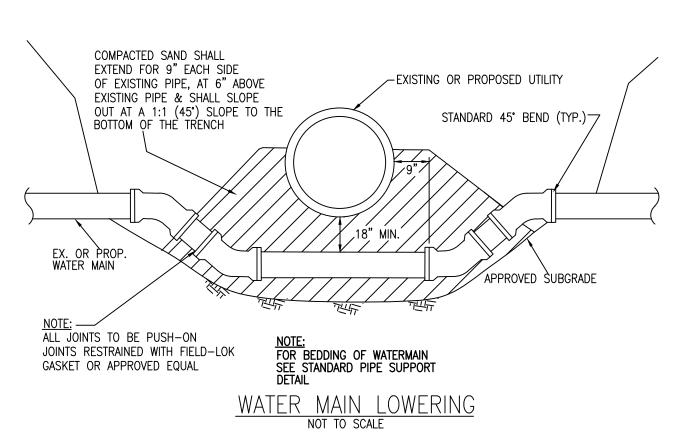


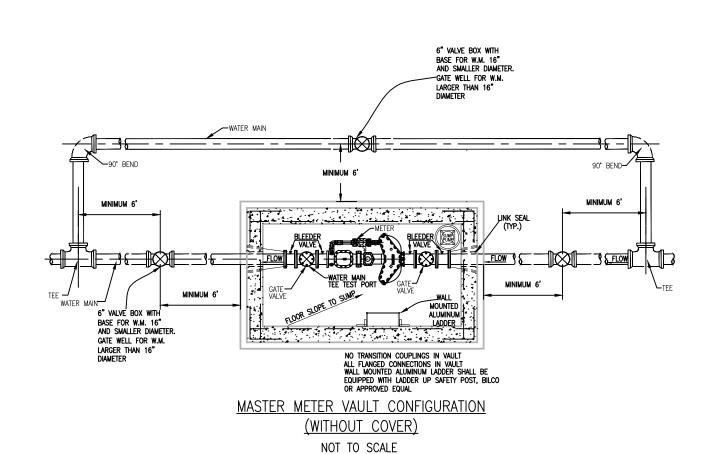
STANDARD CASING SECTION NOT TO SCALE

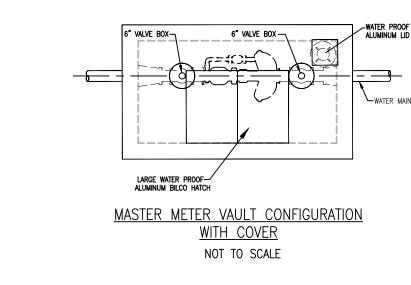
NOTES:

1. NO WATER SHALL BE USED IN BORING UNDER RAILROADS.
2. MAINTAIN MIN. OF 5'-6" OF COVER BETWEEN BASE OF RAIL & TOP OF CASING.
3. THE ENDS OF THE CASING SHALL BE SUITABLY PROTECTED AGAINST THE ENTRANCE OF FOREIGN MATERIAL, BUT SHALL NOT BE TIGHTLY SEALED.
4. CASING SPACERS AND END SEALS SHALL BE INSTALLED IN ACCORDANCE WITH MANFACTURER'S RECOMMENDATIONS.

DIA. OF	MIN.	ROAD	RAILROAD
WATER MAIN	(I.D)	CROSSING MIN. "B"	CROSSING
WAILK MAIN	\'Ä'	MIN. "B"	CROSSING MIN. B
6"	14"	0.250" 0.250"	0.312"
8"	16"	0.250"	0.375"
12"	20"	0.250"	0.438"
16"	24"	0.250"	0.500"
20"	30"	0.375"	0.500"
24"	36"	0.375"	0.500"







TOLL FREE)

TOLL FREE

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REVISIONS

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STANDARD WATER MAIN DETAILS

NOTES:

1. WHERE POSSIBLE THE METER VAULT SHALL BE LOCATED AWAY FROM TRAFFIC AREAS, ROADS, PARKING LOTS, ETC.

2. THE ACCESS HATCH SHALL BE SIZED LARGE ENOUGH TO ACCOMMODATE REMOVAL OF THE LARGEST METER OR THE LARGEST APPURTENANCE FOR MAINTENANCE PURPOSES. THE HATCH SHALL BE MANUFACTURED BY THE BILCO COMPANY, METER VAULT HATCH SHALL BE WATER TIGHT.

3. THE METER VAULT FLOOR SHALL BE SLOPED TO THE SUMP.

4. ELECTRICAL SERVICE SHALL BE SUPPLIED TO THE VAULT.

YPSILANTI COMMUNITY
UTILITIES AUTHORITY
2777 STATE ROAD
YPSILANTI, MICHIGAN 48198-9112
(734) 484-4600
FAX: (734) 544-7221
WWW.YCUA.ORG
DATE
SCALE
SHEFT

RISER TUBE WITH HYDRANT THREADS

10" DIA OR LESS PLACE BLIND
FLANGE FOR TESTING

FLOW STEEN MAIN TEE

PIPE DIA TEST PORT SIZE

ENVIRONMENTAL LEADERS WWW.YCUA.ORG

DATE SCALE SHEET

2/6/2009 NO SCALE