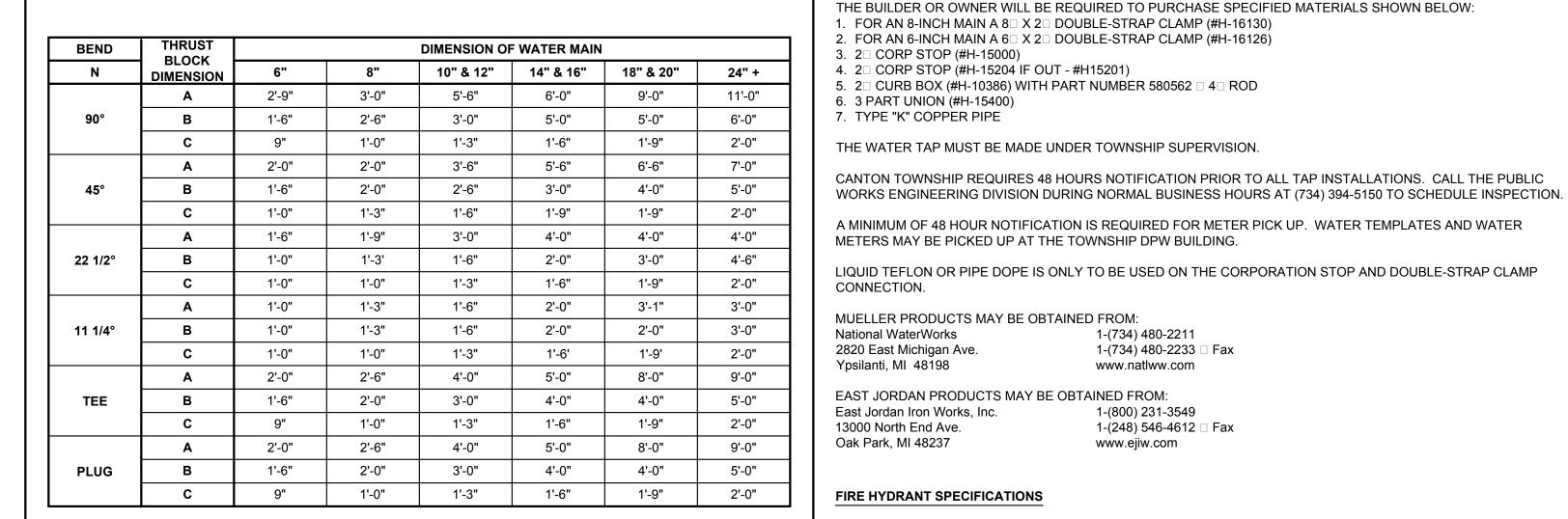


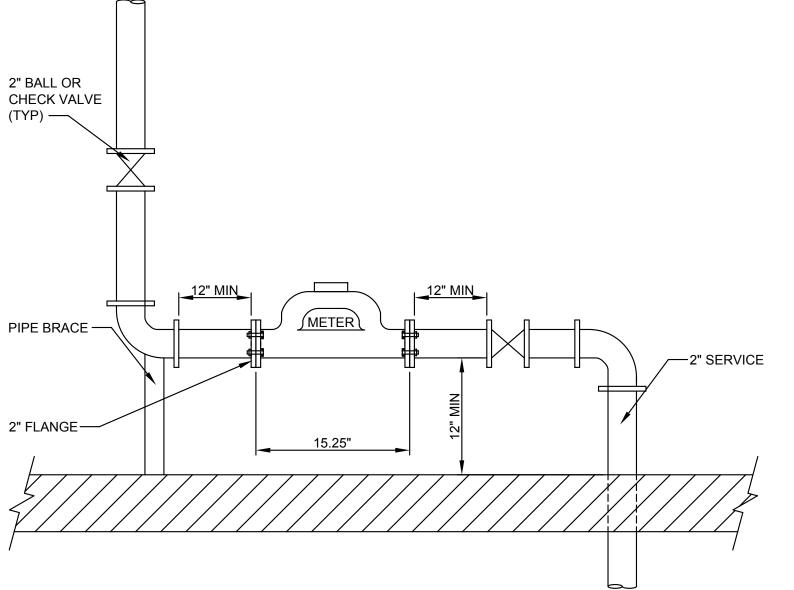
THRUST BLOCK



THRUST BLOCK NOTES:

- 1. 3500 P.S.I. CONCRETE POURED AGAINST UNDISTURBED EARTH.
- 2. WHEN "A" DIMENSION IS 6 FEET OR GREATER, USE #4 RE-BAR AT 12-INCH CENTERS EACH WAY. 3. THE TABLE IS BASED ON SOIL BEARING OF 1500 P.S.F. THEREFORE, WHEN PLACED IN MUCK, PEET, OF OTHER
- UNSUITABLE SOILS HAVING A SOIL BEARING LESS THAN 1500 P.S.F., THE CONTRACTOR SHALL PROVIDE SUITABLE ADDITIONAL BLOCKING, ENCASEMENT, OR RESTRAINTS.
- 4. BLOCKING IN BORE PIT EXCAVATIONS SHALL BE AGAINST UNDISTURBED SOIL.

THRUST BLOCK DIMENSIONS



THE FOLLOWING INSTRUCTIONS ARE FOR SETTING A 2-INCH WATER METER.

OR TO MEET BUILDING CODE REQUIREMENTS.

SPECIFICATIONS FOR 2□ **WATER SERVICE**

- 1. THE WATER METER MUST BE PLACED IN AN AREA THAT WILL BE PROTECTED FROM FREEZING AND PLACED 12-INCHES FROM THE NEAREST WALL.
- 2. WATER METER MUST BE ACCESSABLE FOR TESTING AND ROUTINE MAINTENANCE. 3. A BY-PASS LINE WILL ONLY BE INSTALLED IN SPECIAL USE FACILITIES SUCH AS HOSPITALS, MEDICAL CLINICS,

1-(734) 480-2233 □ Fax

1-(248) 546-4612 □ Fax

1. INSTALL ADDITIONAL FITTINGS AND SPIGOT PIPE AS NECESSARY BETWEEN WATER MAIN & VALVE BOX TO

2. VERTICAL REACTION BLOCKING WILL BE REQUIRED ON ALL VERTICAL HYDRANT BENDS IN EXCESS OF $11\frac{1}{4}$

3. WHERE HYDRANTS ARE INSTALLED ON EXISTING MAINS, PLACE CONCRETE BRICK OR BLOCK TO UNDISTURBED

5. FIRE HYDRANTS ARE TO BE RED EAST JORDAN IRON WORKS 5BR-250 TRAFFIC MODEL BREAKAWAY HYDRANTS

6. HYDRANTS ARE TO BE PLACED AT THE FOLLOWING LOCATIONS UNLESS OTHERWISE NOTED ON THE PLANS:

www.natlww.com

www.ejiw.com

ADJUST FOR PROPER LOCATION AND GRADE OF HYDRANT.

4. ALL BOLTS TO BE "COR-BLUE T-TYPE".

B. 33-FEET OFF OF 1/4 LINES ON 1/4 LINE ROADS

BY THE CANTON TOWNSHIP ENGINEER.

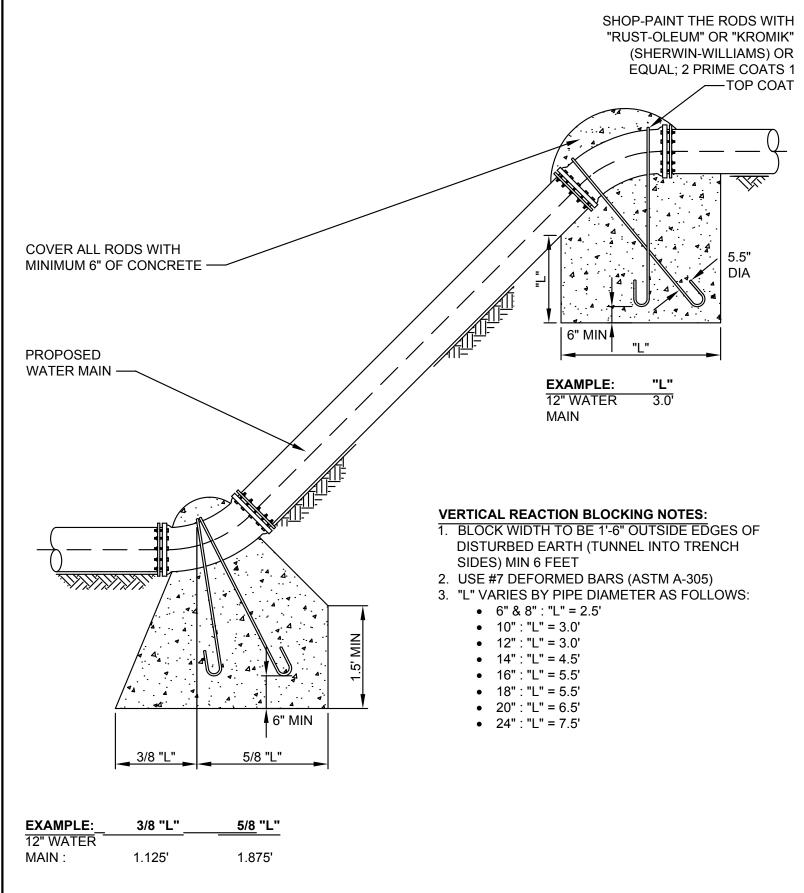
WITH CLASS 54 8-INCH DUCTILE IRON PIPE.

EARTH AND ENCASE WITH CONCRETE AND/OR USE RESTRAINING GLANDS.

A. 40-FEET OFF OF THE SECTION LINE ON SECTION LINE ROADS

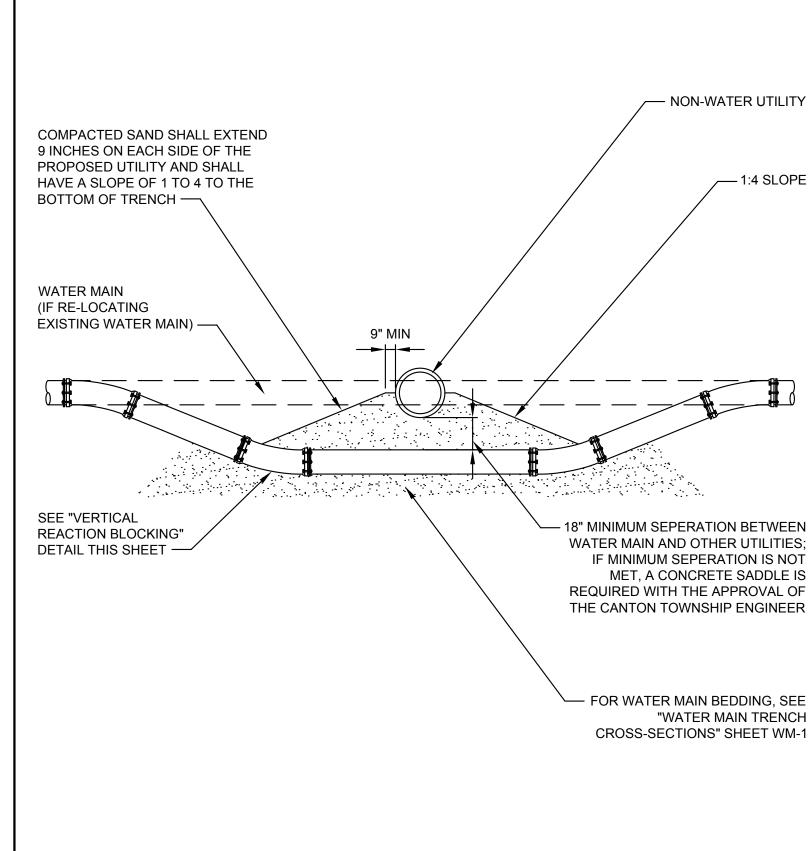
C. 22-FEET OFF OF CENTER LINE ON RESIDENTIAL STREETS

2" WATER METER INSTALLATION

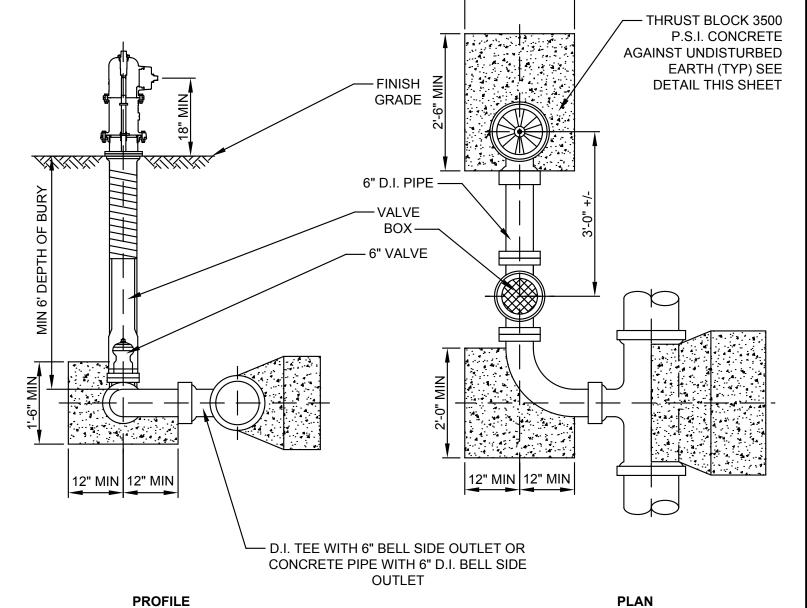


VERTICAL REACTION BLOCKING

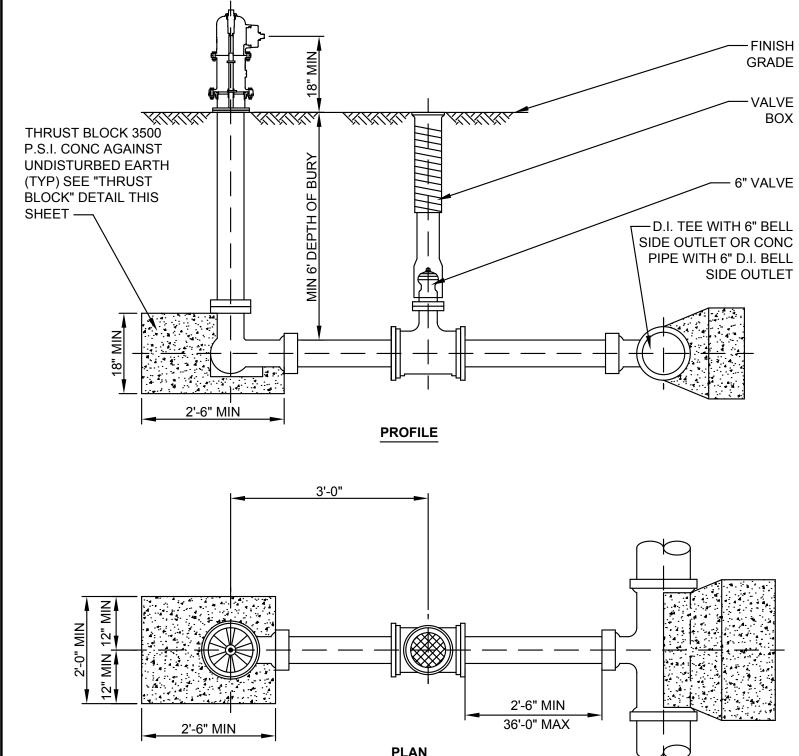
2'-0" MIN



WATER MAIN/UTILITY CROSSING



(ONLY ALLOWED WITH TOWNSHIP APPROVAL)



FIRE HYDRANT ASSEMBLY - CLOSE COUPLE TYPE

SPECIFICATIONS FOR 2" WATER SERVICE AND FIRE HYDRANTS

. HYDRANTS ARE TO BE INSTALLED PLUMB AND HAVE THEIR PUMP NOZZLES FACING THE ROAD OR AS DIRECTED

8. HYDRANT LEADS GREATER THAN 10-FEET IN LENGTH FROM THE TRANSMISSION LINE SHALL BE CONSTRUCTED

9. NO HYDRANT SHALL BE PLACED WITHIN 10-FEET OF ANY ROADWAY INTERSECTION OR DRIVEWAY.

CHARTER TOWNSHIP OF CANTON 1150 CANTON CENTER S. **CANTON, MI 48188-1699** PH: 734-394-5150 / FAX: 734-394-5183

DATE:	REVISIONS:	BY:
5/16/2007	SUBMITTED FOR DEQ REVIEW	CJL
5/31/2007	PUBLIC RELEASE	CJL

WATER MAIN STANDARD DETAILS

DATE:
5/31/2007
SCALE:
NONE

FIRE HYDRANT ASSEMBLY - "T" TYPE

SHEET: