

OPTION A - PRESSURE CLASS SEWER MAIN

- 1.) REPLACE EXISTING SEWER WITH A PRESSURE CLASS MAIN IN LIEU OF CASING THE WATER MAIN.
- 2.) THE SEWER SHALL BE REPLACED A MINIMUM OF 10' EACH SIDE OF THE WATERMAIN.

OPTION B - WATER MAIN CASING INSTALLATION

- 1.) PROVIDE ADEQUATE SUPPORT FOR THE EXISTING SEWER TO PREVENT DAMAGE DUE TO SETTLEMENT.

NOTES:

- 1.) FOLLOW TRENCH MATERIAL DETAIL WHEN BACK-FILLING WATER MAIN.
- 2.) THE SELECTED OPTION MUST BE APPROVED BY AN IL-AWC REPRESENTATIVE.

**AMERICAN WATER STANDARD
CIVIL
WATER MAIN CROSSING UNDER SEWER
DETAIL**

AMERICAN WATER
BELLEVILLE, IL 62223

AMERICAN WATER ENG. CENTER
100 NORTH WATER WORKS DR.
BELLEVILLE, IL 62223

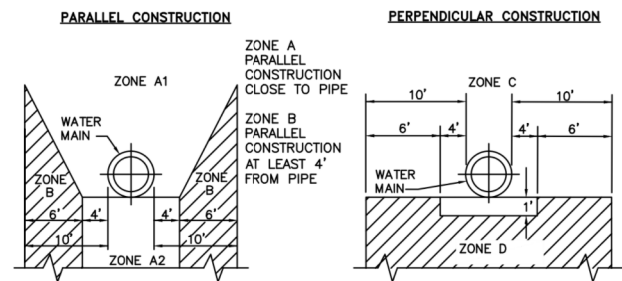
DRAWN BY JWM PROJECT ENGR APPROVED DATE 01-05-01 PROJECT IP USE DIMENSIONS ONLY SCALE N.T.S.

AMERICAN WATER
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES XXXX-XXXX-XXXX

SHT. 10B

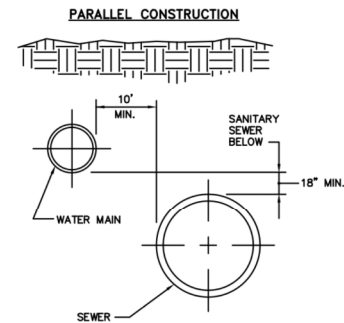
SPECIAL CONSTRUCTION REQUIREMENTS

WHERE REQUIRED WATER MAIN SEPARATION FROM SEWER CANNOT BE MAINTAINED



IF AN EXISTING SEWER IS LOCATED WITHIN ZONES A1, A2, B, C, OR D OF A PROPOSED WATER MAIN, THE FOLLOWING SPECIAL REQUIREMENTS APPLY:

- ZONE**
- NO WATER MAINS SHALL BE CONSTRUCTED WITHOUT SPECIAL PERMISSION FROM THE APPROPRIATE HEALTH OR ENVIRONMENTAL REGULATOR.
 - IF THE SEWER DOES NOT MEET ZONE B REQUIREMENTS, THE WATER MAIN SHALL BE OF PRESSURE CLASS 200 PIPE FOR PVC AND CLASS 350 F.O.D.I. PIPE. SEWER SHALL BE CONSTRUCTED EQUAL TO WATER PIPE AND TESTED FOR WATER TIGHTNESS.
 - NO WATER MAINS SHALL BE CONSTRUCTED WITHOUT SPECIAL PERMISSION FROM THE HEALTH REGULATOR. IF PERMISSION IS GRANTED, THE SEWER PIPE SHALL BE ENCASED AND/OR REPLACED WITH WATER MAIN GRADE PIPE AND THE WATER MAIN SHALL BE OF CLASS 200 PIPE OR EQUIVALENT.



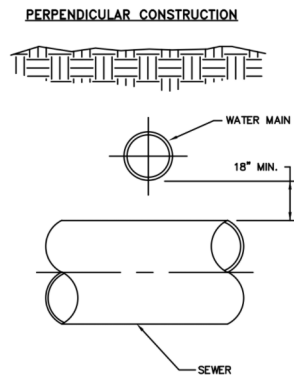
REQUIRED SEPARATION BETWEEN WATER MAINS AND SANITARY SEWERS

BASIC SEPARATION REQUIREMENTS:

WATER MAINS AND SEWERS SHOULD BE SEPARATED AS FAR AS IS REASONABLE IN BOTH THE HORIZONTAL AND VERTICAL DIRECTIONS WITH SEWERS LOWER THAN WATER MAINS.

PARALLEL CONSTRUCTION: THE HORIZONTAL DISTANCE BETWEEN PRESSURE WATER MAINS AND SEWERS SHALL BE AT LEAST 10 FEET

PERPENDICULAR CONSTRUCTION (CROSSING): PRESSURE WATER MAINS SHALL BE AT LEAST 18" ABOVE SANITARY SEWERS WHERE THESE LINES MUST CROSS.



**AMERICAN WATER STANDARD
CIVIL
SPECIAL REQUIREMENTS FOR
WATER MAIN - DETAIL**

AMERICAN WATER
VOORHEES, NJ 08043

AMERICAN WATER ENGINEERING
3806 CHURCH ROAD
MOUNT LAUREL, NJ 08054

DRAWN BY RUB PROJECT ENGR APPROVED DATE 06-05-08 PROJECT IP USE DIMENSIONS ONLY SCALE N.T.S.

AMERICAN WATER
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES 0201-0601-SD43

FOR COMMENTS

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FILE NAME = S:\237\2013\23713009.00\A11enRdPh11\CADD	USER NAME = jeandrews	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 1/28/2014 10:25:14 AM		DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6584	105; (72-7HB)BY	PEORIA	487	369
6585			CONTRACT NO. 68683	
ILLINOIS FED. AID PROJECT				