

STEEL CASING PIPE DIA. AND WALL THICKNESS SHALL NOT BE LESS THAN THE FOLLOWING:

CARRIER PIPE NOM. DIA.	MIN. CASING PIPE DIA. (O.D.)	WALL THICKNESS
33" - 36"	54"	0.719"
30"	48"	0.625"
27"	42"	0.563"
24"	36"	0.531"
20" - 21"	36"	0.531"
18"	30"	0.469"
15 - 16"	30"	0.469"
12"	24"	0.375"
10"	22"	0.344"
8"	20"	0.344"
6"	18"	0.312"

GENERAL NOTES

BORINGS SHALL BE ACCOMPLISHED WITH AN AUGER AND CASING PIPE. THE DIAMETER OF THE AUGER SHALL NOT EXCEED THE OUTSIDE DIAMETER OF THE CASING PIPE BY MORE THAN ONE INCH.

BORINGS SHALL BE ACCOMPLISHED FROM PITS USING SHORING. THE SHORING SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED AND MAINTAINED SO THAT IT WILL SAFELY SUPPORT ALL VERTICAL AND LATERAL LOADS THAT MAY BE IMPOSED UPON IT DURING THE BORING OPERATION. ALL SHAFTS AND JACKING PITS SHALL CONFORM WITH APPLICABLE OSHA EXCAVATION, TRENCHING, AND SHORING STANDARDS.

PITS FOR BORING SHALL BE EXCAVATED NO MORE THAN 48 HOURS IN ADVANCE OF BORING AND BACKFILLED WITHIN 48 HOURS AFTER BORING OPERATIONS ARE COMPLETED. WHILE PITS ARE OPEN, THEY SHALL BE CLEARLY MARKED, FENCED OFF AND PROTECTED BY BARRICADES.

CASCADE CASING SPACERS SHALL BE USED TO CENTER WATER MAIN IN CASING PIPE. (SPACED EVERY 10' MIN.) METAL TO METAL CONTACT IS NOT PERMITTED.

CASCADE CASING SPACERS SHALL BE USED TO CENTER SANITARY SEWER IN CASING PIPE. (SPACED EVERY 10' MIN.)

STORM SEWER IS NOT REQUIRED TO BE CENTERED WITH IN THE CASING PIPE.

CASCADE CASING END SEALS SHALL BE USED TO LOOSELY SEAL THE ENDS OF THE CASING.

STEEL CASING PIPE SHALL HAVE A MINIMUM YIELD STRENGTH OF 35,000 PSI WITH WELDED JOINTS.

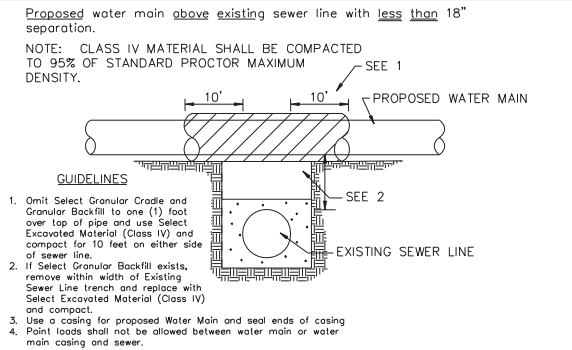
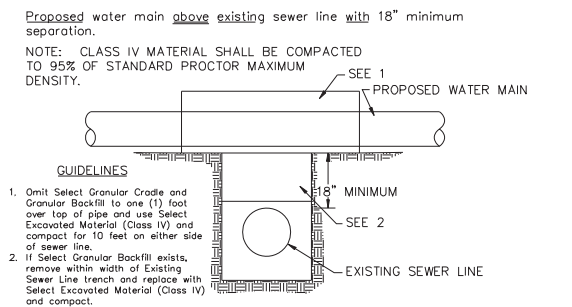
ALL WATER MAIN WITHIN CASING SHALL BE INSTALLED WITH FIELD LOK GASKET JOINTS.

DEWATERING SHALL BE CONSIDERED INCIDENTAL.

BORE & JACK DETAIL

Engineering Enterprises, Inc. 52 Wheeler Road Sugar Grove, Illinois 60554 Phone: (630) 466-9350	SCALE: N.T.S.	FOLDER:	DRAWING NUMBER:	DRAWN BY: BLM
	DATE: 3/29/94	EE-MI	BJ-01	REVISED: 02/22/08

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VILLAGE OF MONTGOMERY 891 KNEEL ROAD MONTGOMERY, IL 60538 (630) 896-9241	WATER & SEWER SEPARATION REQUIREMENTS (VERT.)		
	SCALE: N.T.S.	DATE: 4/08/02	DETAIL NUMBER: MONT. E:\DETAILS\ D072 DRAWN: WCP REVISED:

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PLOT DATE = 4/26/2012	DATE - 4/26/12	REVISIED - ---	REVISIED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL DETAILS

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 349	SECTION 11 WRS-3	COUNTY KENDALL	TOTAL SHEETS 527	SHEET NO. 184
CONTRACT NO. 60132				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				