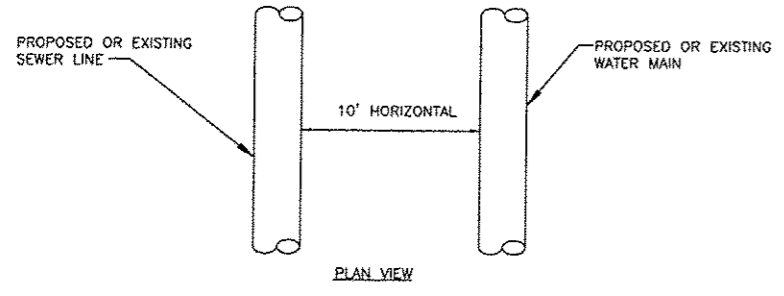
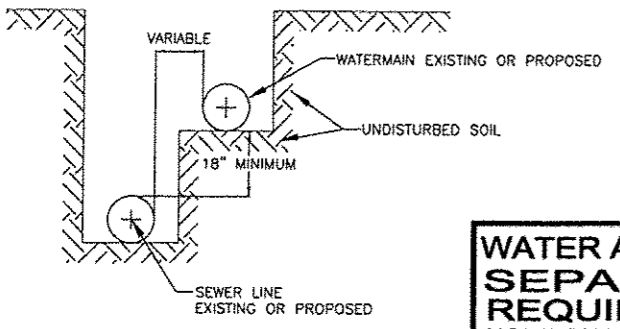


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00009-00-BR	FRANKLIN	11	11
VILLAGE OF ROYALTON		MAIN STREET		

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



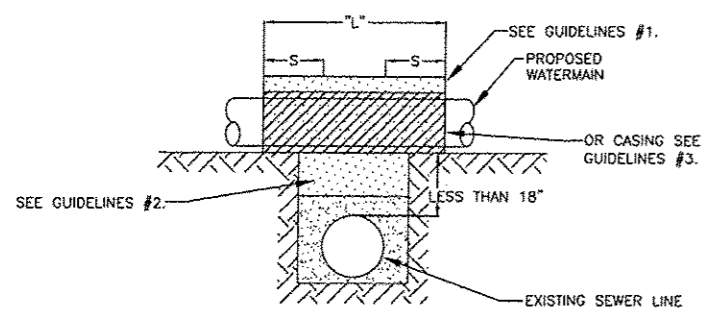
WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND SEWER SEPARATION REQUIREMENTS HORIZONTAL SEPARATION

PROPOSED WATERMAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



GUIDELINES

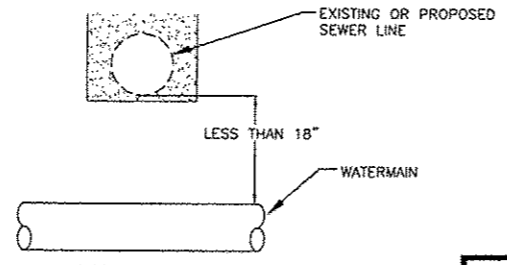
- OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATERMAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
- IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATERMAIN AND SEAL ENDS OF CASING.
- POINT LOADS SHALL NOT BE ALLOWED BETWEEN MAIN CASING AND SEWER.

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION

NOTE:
THE CONSTRUCTION OF THE WATER MAINS ON THIS PROJECT SHALL BE PERFORMED ACCORDING TO THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 5TH EDITION, MAY 1996, AS REQUIRED BY 35 IL. ADM CODE 652.102(a).

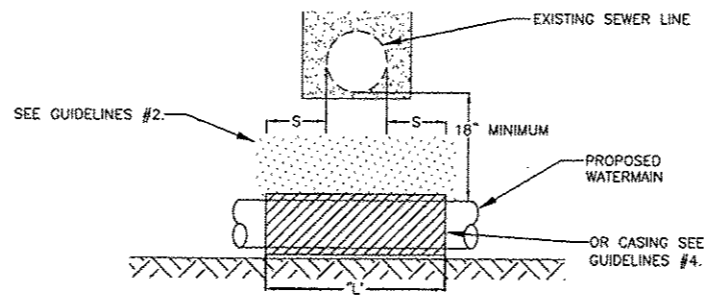
PLACEMENT OF WATERMAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. NOT ALLOWED



WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION

PROPOSED WATERMAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

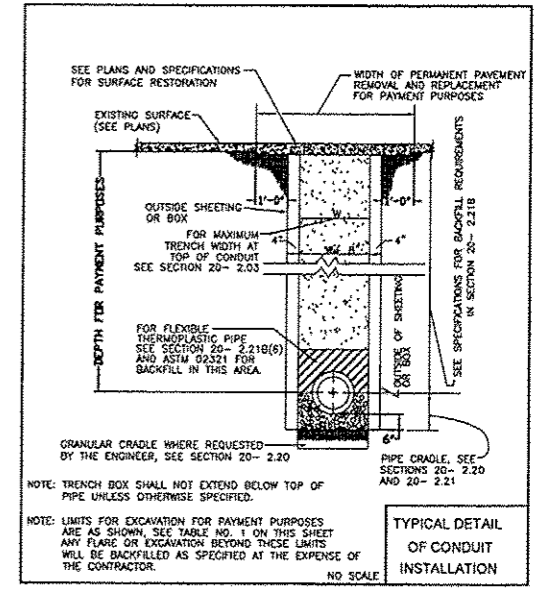
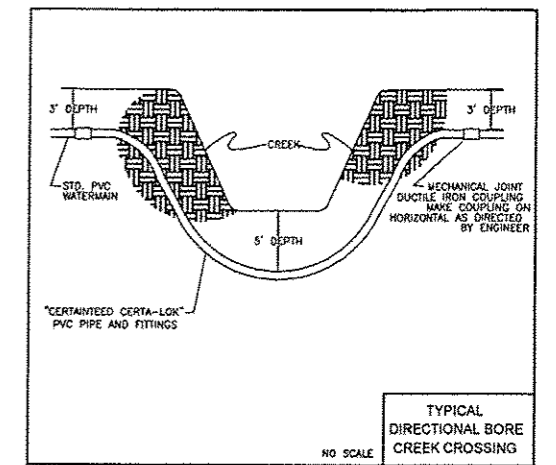
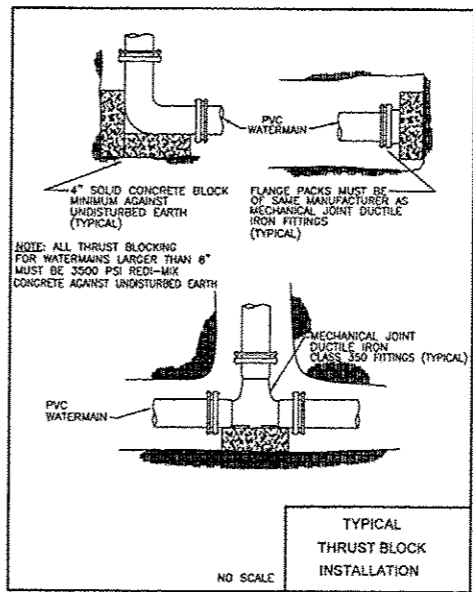
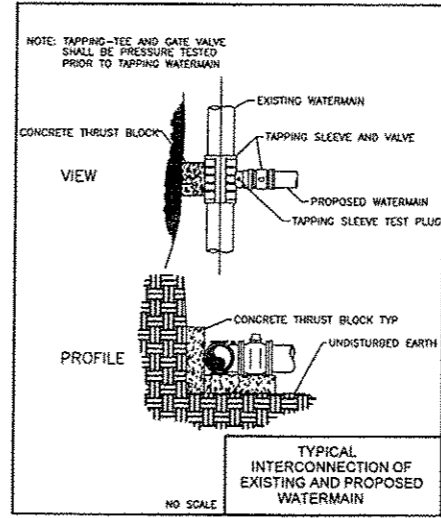


NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

GUIDELINES

- OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATERMAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
- IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
- USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATERMAIN AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION



INSIDE DIAMETER OF CONDUIT IN INCHES	PAYMENT QUANTITIES PER FOOT OF CONDUIT									
	SECT. 20-2.03 MAXIMUM TRENCH WIDTH AT TOP OF CONDUIT W+8"	SECT. 20-2.21C SELECT BACKFILL CU. YDS./FT. OF DEPTH W+8"	SECT. 20-2.20B CONCRETE CRADLE CU. YDS./FT. W+8"	PERMANENT TYPE PAYT. OR DRIVE REMOVAL & REPLACEMENT SQ. YDS./FT. W+2-8"	CURB OR GUTTER & REPLACEMENT W+2-8"	CONCRETE OR BRICK SIDEWALK REMOVAL & REPLACEMENT SQ. FT./FT. W+2-8"	SECT. 21-2.01A(1) TEMPORARY SURFACE OVER TRENCH CU. YDS./FT. W+8"	GRANULAR BACKFILL OVER TOP OF PIPE CU. YDS./FT. W+8"	SECT. 20-2.20B CONCRETE CRADLE CU. YDS./FT. W+8"	SECT. 20-2.20B CONCRETE CRADLE CU. YDS./FT. W+8"
6	0.117	0.09	0.37	5.17	5.17	0.06	0.15			
8	0.117	0.11	0.57	5.17	5.17	0.06	0.16			
10	0.117	0.12	0.77	5.17	5.17	0.06	0.17			
12	0.117	0.12	0.97	5.17	5.17	0.06	0.18			
14	0.117	0.13	1.17	5.17	5.17	0.06	0.19			
16	0.117	0.13	1.37	5.17	5.17	0.06	0.20			
18	0.117	0.14	1.57	5.17	5.17	0.06	0.21			
20	0.117	0.14	1.77	5.17	5.17	0.06	0.22			
22	0.117	0.15	1.97	5.17	5.17	0.06	0.23			
24	0.117	0.15	2.17	5.17	5.17	0.06	0.24			
26	0.117	0.16	2.37	5.17	5.17	0.06	0.25			
28	0.117	0.16	2.57	5.17	5.17	0.06	0.26			
30	0.117	0.17	2.77	5.17	5.17	0.06	0.27			
32	0.117	0.17	2.97	5.17	5.17	0.06	0.28			
34	0.117	0.18	3.17	5.17	5.17	0.06	0.29			
36	0.117	0.18	3.37	5.17	5.17	0.06	0.30			
38	0.117	0.19	3.57	5.17	5.17	0.06	0.31			
40	0.117	0.19	3.77	5.17	5.17	0.06	0.32			
42	0.117	0.20	3.97	5.17	5.17	0.06	0.33			
44	0.117	0.20	4.17	5.17	5.17	0.06	0.34			
46	0.117	0.21	4.37	5.17	5.17	0.06	0.35			
48	0.117	0.21	4.57	5.17	5.17	0.06	0.36			
50	0.117	0.22	4.77	5.17	5.17	0.06	0.37			
52	0.117	0.22	4.97	5.17	5.17	0.06	0.38			
54	0.117	0.23	5.17	5.17	5.17	0.06	0.39			
56	0.117	0.23	5.37	5.17	5.17	0.06	0.40			
58	0.117	0.24	5.57	5.17	5.17	0.06	0.41			
60	0.117	0.24	5.77	5.17	5.17	0.06	0.42			
62	0.117	0.25	5.97	5.17	5.17	0.06	0.43			
64	0.117	0.25	6.17	5.17	5.17	0.06	0.44			
66	0.117	0.26	6.37	5.17	5.17	0.06	0.45			
68	0.117	0.26	6.57	5.17	5.17	0.06	0.46			
70	0.117	0.27	6.77	5.17	5.17	0.06	0.47			
72	0.117	0.27	6.97	5.17	5.17	0.06	0.48			
74	0.117	0.28	7.17	5.17	5.17	0.06	0.49			
76	0.117	0.28	7.37	5.17	5.17	0.06	0.50			
78	0.117	0.29	7.57	5.17	5.17	0.06	0.51			
80	0.117	0.29	7.77	5.17	5.17	0.06	0.52			
82	0.117	0.30	7.97	5.17	5.17	0.06	0.53			
84	0.117	0.30	8.17	5.17	5.17	0.06	0.54			
86	0.117	0.31	8.37	5.17	5.17	0.06	0.55			
88	0.117	0.31	8.57	5.17	5.17	0.06	0.56			
90	0.117	0.32	8.77	5.17	5.17	0.06	0.57			
92	0.117	0.32	8.97	5.17	5.17	0.06	0.58			
94	0.117	0.33	9.17	5.17	5.17	0.06	0.59			
96	0.117	0.33	9.37	5.17	5.17	0.06	0.60			
98	0.117	0.34	9.57	5.17	5.17	0.06	0.61			
100	0.117	0.34	9.77	5.17	5.17	0.06	0.62			

NOTES:

TABLE 1

PAYMENT QUANTITIES PER FOOT OF CONDUIT

28 Feb 2013 3:36pm X:\2010\10222\AC\plans\traces\watermain_details.dwg