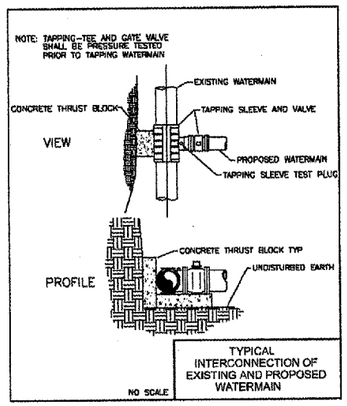
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9477	05-00051-00-RP	FRANKLIN	23	22
CITY OF WEST FRANKFORT		CLEVELAND STREET		

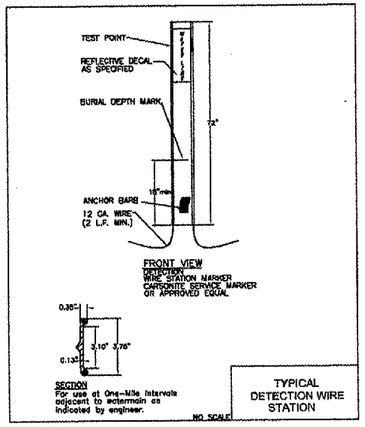
CONTRACT NO. 99234

GENERAL NOTES:

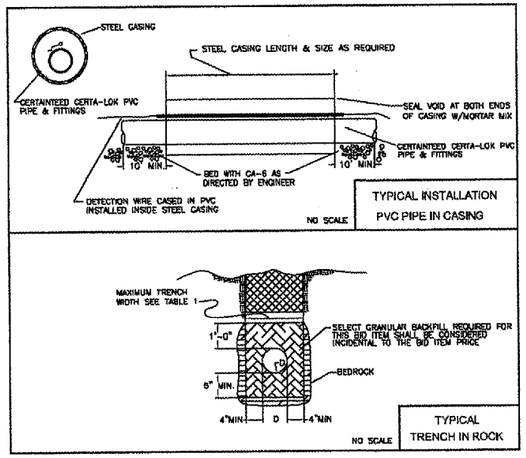
1. In issuing the permit for this project, the Illinois Environmental Protection Agency acknowledges that the firm of Brown & Roberts, Inc. has not been employed to furnish any engineering observation for this project. Brown & Roberts, Inc., nor the engineer who seals these plans, therefore, make no representations as to the compliance of the installation of this project with IEPA existing rules, regulations, policies, or laws.
2. 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", latest edition, and as required by 35 ILL. ADM. Code 653.119.
3. Watermains shall be separated for septic tanks, disposal fields, and seepage beds by a minimum of 25 feet.
4. The watermains shall comply with ASTM D2241.
5. The watermain joints shall comply with ASTM FA77 and shall be pressure rated in accordance with ASTM D3139.

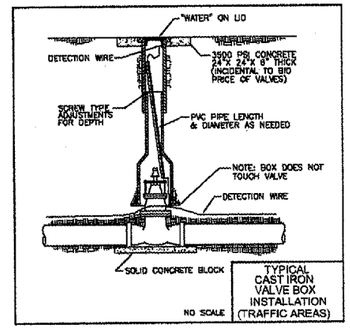


TYPICAL INTERCONNECTION OF EXISTING AND PROPOSED WATERMAIN

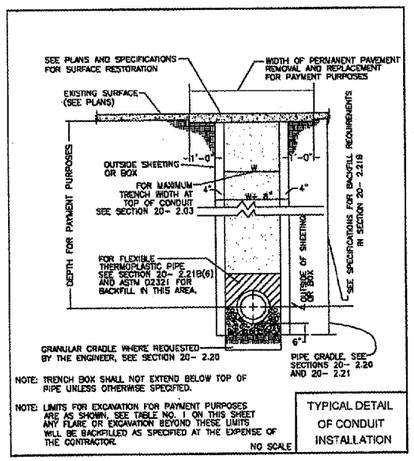


TYPICAL DETECTION WIRE STATION

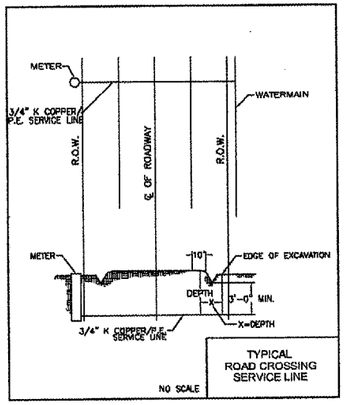




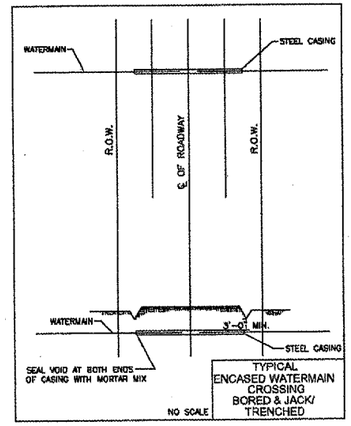
TYPICAL CAST IRON VALVE BOX INSTALLATION (TRAFFIC AREAS)



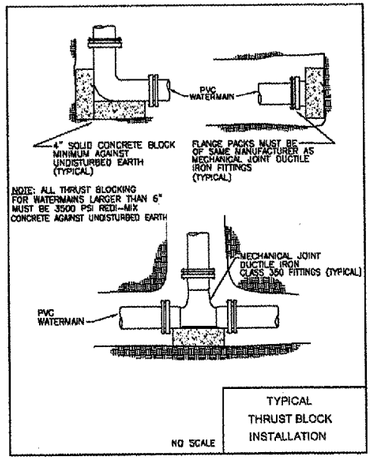
TYPICAL DETAIL OF CONDUIT INSTALLATION



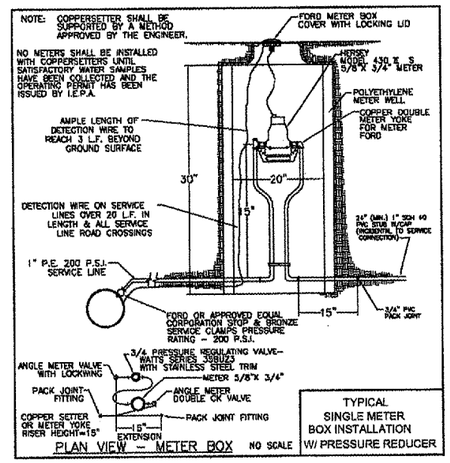
TYPICAL ROAD CROSSING SERVICE LINE



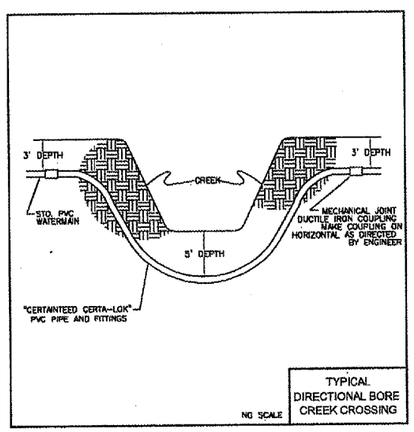
TYPICAL ENCASED WATERMAIN CROSSING BORED & JACK/ TRENCHED



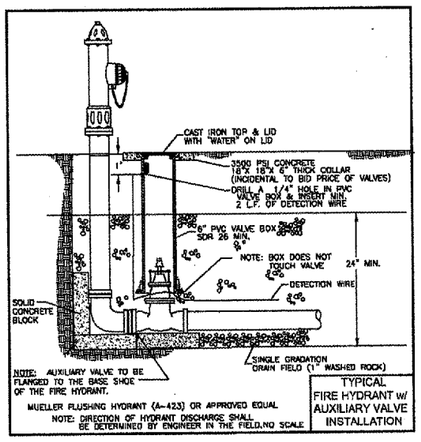
TYPICAL THRUST BLOCK INSTALLATION



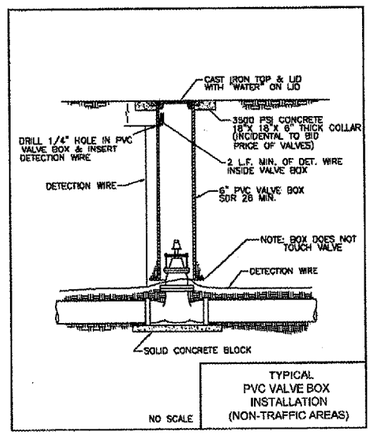
TYPICAL SINGLE METER BOX INSTALLATION W/ PRESSURE REDUCER



TYPICAL DIRECTIONAL BORE CREEK CROSSING



TYPICAL FIRE HYDRANT w/ AUXILIARY VALVE INSTALLATION



TYPICAL PVC VALVE BOX INSTALLATION (NON-TRAFFIC AREAS)

INSIDE DIAMETER OF CONDUIT IN INCHES "D"	SECT. 20-2.03 MAXIMUM TRENCH WIDTH AT TOP OF CONDUIT W+ 8"	PAYMENT QUANTITIES PER FOOT OF CONDUIT						
		SECT. 20-2.21C SELECT BACKFILL CU. YDS./FT. OF W+ 8"	SECT. 20-2.20B CONCRETE CRADLE CU. YDS./FT. W+ 8"	PERMANENT TYPE PAVT. OR DRIVE REMOVAL & REPLACEMENT SQ. YDS./FT. W+ 2'-8"	CURB OR GUTTER & GUTTER REMOVAL & REPLACEMENT SQ. FT./FT. 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 1 FT. OVER TOP OF PIPE CU. YDS./FT. W+ 8"
6	3'-2"	0.117	0.09	0.67	8.17	8.17	0.06	0.15
8	3'-2"	0.117	0.10	0.67	8.17	8.17	0.06	0.16
10	3'-2"	0.117	0.11	0.67	8.17	8.17	0.06	0.17
12	3'-4"	0.12	0.12	0.69	8.33	8.33	0.06	0.18
15	3'-8"	0.13	0.13	0.61	5.50	5.50	0.06	.020
16	3'-10"	0.14	0.15	0.65	5.83	5.83	0.07	0.22
21	4'-4"	0.16	0.19	0.70	5.33	5.33	0.08	0.27
24	4'-8"	0.17	0.21	0.74	5.67	5.67	0.09	0.30
27	4'-11"	0.18	0.23	0.77	5.92	5.92	0.09	0.32
30	5'-3"	0.19	0.26	0.81	7.25	7.25	0.10	0.36
33	6'-0"	0.22	0.32	0.89	8.00	8.00	0.11	0.43
36	6'-2"	0.23	0.35	0.93	8.33	8.33	0.12	0.47
42	6'-11"	0.26	0.41	0.99	8.92	8.92	0.13	0.54
48	7'-8"	0.28	0.47	1.06	9.50	9.50	0.14	0.61
54	8'-7"	0.32	0.59	1.18	10.58	10.58	0.16	0.75
60	9'-2"	0.34	0.66	1.24	11.17	11.17	0.17	0.84
66	9'-9"	0.36	0.74	1.31	11.75	11.75	0.18	0.92
72	10'-4"	0.38	0.82	1.37	12.33	12.33	0.19	1.01
78	10'-11"	0.40	0.90	1.44	12.92	12.92	0.20	1.10
84	11'-6"	0.43	0.98	1.50	13.50	13.50	0.21	1.19
90	12'-1"	0.45	1.08	1.56	14.08	14.08	0.22	1.29
96	12'-8"	0.47	1.15	1.63	14.67	14.67	0.23	1.39
102	13'-3"	0.49	1.24	1.69	15.25	15.25	0.25	1.48
108	13'-10"	0.51	1.32	1.76	15.83	15.83	0.26	1.58

NOTES:

TABLE 1

PAYMENT QUANTITIES PER FOOT OF CONDUIT