

2014 Sewer Renewals by CIPP Lining, Contract 11, Bid Opportunity 557-2014

Appendix B - Table E2.3.6 - Design Conditions

Sewer Details														Design Conditions		
Drawing	Sewer Asset	Street Name	Location	Manholes				Length	Size		Shape	Flow Type	Material	Max Depth	Ovality	PD/FD <sup>1</sup>
				Upstream	Depth	Downstream	Depth		Height	Width						
1	MA00008873	LANSLOWNE AV	MH AT COCHRANE ST TO 1ST MH E OF COCHRANE ST	MH00011092	3.69	MH00005973	4.11	95.8	300		Circ	CS	CONC	4	5	FD
2	MA00008912	INKSTER BV (CL)	3RD MH E OF COCHRANE ST TO MH AT ST CROSS ST (CL)	MH00005965	4.03	MH00005955	3.15	95.5	375		Circ	CS	VC	4	5	FD
3	MA00009340	MAIN ST (E OF W PL)	MH AT LUXTON AV TO NODE AT POLSON AV	MH00011011	7.77	Tee	8.00	54.0	1200	925	Egg	CS	CONC	8	5	FD
4	MA00009351	MAIN ST (E OF W PL)	1ST MH S OF INKSTER BV TO MH AT LUXTON AV	MH00011056	7.80	MH00011011	7.77	37.0	1200	925	Egg	CS	CONC	8	2	FD
5	MA00009374	MAIN ST (CL)	MH AT CARRUTHERS AV TO MH AT LANSLOWNE AV	MH00011140	7.42	MH00011039	7.75	62.0	900		Circ	CS	CONC	8	2	FD
6	MA00009543	MAIN ST (CL)	1ST MH N OF MCADAM AV TO MH AT MCADAM AV (N OF CL)	MH00011208	6.37	MH00011194	6.81	42.3	750		Circ	CS	CONC	7	5	FD
7	MA00009550	AIKINS ST	MH AT MATHESON AV TO MH AT CARRUTHERS AV	MH00011198	4.75	MH00011197	5.53	53.8	375		Circ	CS	VC	6	10	FD
8	MA00009627	BANNERMAN AV (CL)	MH AT ARLINGTON ST TO 1ST MH E OF ARLINGTON ST	MH00010817	3.73	MH00006204	4.11	101.3	375		Circ	CS	VC	4	10	FD
9	MA00009869	CATHEDRAL AV	MH AT MCKENZIE ST (E PL) TO 1ST MH E OF MCKENZIE ST	MH00006421	3.83	MH00006444	4.02	97.5	375		Circ	CS	VC	4	10	FD
10	MA00009894	INKSTER BV (CL)	1ST MH W OF MCKENZIE ST TO MH AT PARR ST	MH00006600	4.25	MH00006427	6.57	100.0	375		Circ	CS	VC	7	5	FD
11	MA00010072	INKSTER BV (CL)	MH AT MCKENZIE ST TO 1ST MH W OF MCKENZIE ST	MH00006674	3.13	MH00006600	4.25	101.0	375		Circ	CS	VC	4	5	FD
12	MA00009966	BANNERMAN AV	1ST MH E OF ANDREWS ST TO MH AT POWERS ST (CL)	MH00006483	4.58	MH00006496	5.71	100.5	375		Circ	CS	VC	6	10	FD
13	MA00009971	POWERS ST (W OF CL)	1ST MH S OF INKSTER BV TO NODE AT POLSON AV	MH00006563	5.66	Tee	6.50	45.8	750		Circ	CS	CONC	7	2	FD
14	MA00010105	INKSTER BV (CL)	1ST MH E OF MCKENZIE ST TO MH AT MCGREGOR ST (W PL)	MH00006631	4.40	MH00006616	6.29	92.3	375		Circ	CS	VC	6	5	FD
15	MA00010124	CARRUTHERS AV	MH AT COPP ST TO MH AT ANDREWS ST	MH00006649	3.30	MH00006660	3.51	51.0	375		Circ	CS	VC	4	5	FD
16	MA00010664	RADFORD ST	MH@COLLEGE AVE TO PLUG S OF COLLEGE AVE	New MH	2.40	MH00008491	2.82	32.5	300		Circ	CS	VC	3	2	FD
17	MA00010728	MONREITH ST	3RD MH N OF MOUNTAIN AV TO 2ND MH N OF MOUNTAIN AV	MH00008543	2.96	MH00008544	3.07	94.2	300		Circ	CS	VC	3	2	FD
18	MA00016570	CATHEDRAL AV (CL)	MH AT EMSLIE ST TO 1ST MH E OF EMSLIE ST	MH00014021	3.59	MH00014038	3.64	93.1	300		Circ	CS	UNKNOWN	4	10	FD
19	MA00011169	INKSTER BV (CL)	1ST MH E OF ST CROSS ST TO 2ND MH E OF ST CROSS ST	MH00008978	3.10	MH00008969	3.10	95.2	450		Circ	CS	CONC	3	10	FD
20	MA00011955	BOYD AV	MH AT ARTILLERY ST (CL) TO 1ST MH E OF ARTILLERY ST	MH00010321	4.97	MH00010339	5.19	100.7	900		Circ	CS	CONC	5	2	FD
21	MA00011979	BOYD AV	1ST MH E OF ARTILLERY ST TO MH AT SINCLAIR ST (W OF CL)	MH00010339	5.19	MH00010340	5.16	94.4	900		Circ	CS	CONC	5	2	FD
22	MA00011978	BOYD AV (CL TO N OF CL)	MH AT SINCLAIR ST (W OF CL) TO NODE AT SINCLAIR ST (N OF CL)	MH00010340	5.17	Tee	5.50	6.8	900		Circ	CS	CONC	6	2	FD
23	MA00011966	SINCLAIR ST	MH AT COLLEGE AV TO 1ST MH N OF COLLEGE AV	MH00010338	5.35	MH00010429	5.69	57.2	1575	1200	Egg	CS	CONC	6	2	FD
24	MA00012330	ARLINGTON ST	MH AT MOUNTAIN AV (S PL) TO MH AT MOUNTAIN AV (CL)	MH00010657	5.59	MH00010661	5.65	12.0	300		Circ	CS	VC	6	5	FD
25	MA00012425	BANNERMAN AV (CL)	2ND MH W OF SINCLAIR ST (AT LANE) TO 3RD MH W OF SINCLAIR ST	MH00010793	3.46	MH00010737	3.83	89.8	300		Circ	CS	VC	4	5	FD
26	MA00012468	BANNERMAN AV	MH AT SINCLAIR ST (CL) TO MH AT SINCLAIR ST (E PL)	MH00010781	2.92	MH00010780	3.06	12.3	300		Circ	CS	CONC	3	2	FD
27	MA00012686	ABERDEEN AV	MH AT BATTERY ST TO MH AT ARTILLERY ST	MH00010326	5.23	MH00012675	5.15	195.6	1350	1050	Egg	CS	CONC	5	2	FD
28	MA00014218	ABERDEEN AV	MH AT ARTILLERY ST TO MH AT SINCLAIR ST (N OF CL)	MH00012675	5.15	MH00012911	5.12	202.1	1350	1050	Egg	CS	CONC	5	2	FD
29	MA00014483	ABERDEEN AV	MH AT SINCLAIR ST TO 1ST MH E OF SINCLAIR ST	MH00012908	2.33	MH00013004	3.02	94.4	300		Circ	CS	VC	3	2	FD
30	MA00015848	SYNDICATE ST	MH AT POINT DOUGLAS AV (W OF SYNDICATE) TO 1ST MH N OF POINT DOUGLAS AV	MH00014072	6.25	MH00014070	4.37	34.4	900		Circ	CS	CONC	6	2	FD
31	MA00014145	BURROWS AV (CL)	MH AT ARTILLERY ST (CL) TO 1ST MH W OF ARTILLERY ST	MH00012670	3.49	MH00012615	3.64	100.5	375		Circ	CS	VC	4	5	FD
32	MA00015627	MACHRAY AV	MH AT OMEARA ST TO MH AT MAIN ST (E OF CL)	MH00013935	3.30	MH00013973	5.68	97.5	300		Circ	CS	VC	6	2	FD
33	MA00015051	ABERDEEN AV	MH AT POWERS TO 1ST MH E OF POWERS ST	MH00013416	3.73	MH00013498	3.66	94.1	300		Circ	CS	VC	4	2	FD
34	MA00015073	REDWOOD AV	MH AT POWERS ST (E PL) TO 1ST MH E OF POWERS ST	MH00013427	2.77	MH00013508	3.36	95.3	375		Circ	CS	CONC	3	12	FD
35	MA00015115	ABERDEEN AV	1ST MH W OF CHARLES ST TO MH AT AIKINS ST	MH00013456	3.43	MH00013553	5.18	94.3	300		Circ	CS	VC	5	2	FD
36	MA00015421	BOYD AV	MH AT CHARLES ST (CL) TO 1ST MH W OF CHARLES ST	MH00013541	2.90	MH00013741	4.42	99.0	300		Circ	CS	CONC	4	5	FD
37	MA00015390	CHARLES ST (CL)	1ST MH S OF COLLEGE AV TO MH AT BOYD AV	MH00013798	2.54	MH00013741	3.48	67.6	300		Circ	CS	VC	3	10	FD
38	MA00015455	AIKINS ST	MH AT ANDERSON AV TO NODE AT ST JOHNS AV (E OF CL)	MH00013787	5.62	MH00013763	6.71	120.1	900		Circ	CS	CONC	7	2	FD
39	MA00015484	AIKINS ST	MH AT CHURCH AV TO MH AT ANDERSON AV	MH00013839	5.22	MH00013787	5.70	100.0	750		Circ	CS	CONC	6	2	FD
40	MA00015559	AIKINS ST	MH AT MACHRAY AV (CL) TO MH AT CHURCH AV	MH00013838	4.91	MH00013839	5.21	121.6	750		Circ	CS	CONC	5	2	FD
41	MA00012697	AIKINS ST	MH AT CATHEDRAL AV TO MH AT MACHRAY AV (CL)	MH00011371	4.85	MH00013838	4.91	101.3	600		Circ	CS	CONC	5	2	FD
42	MA00015488	MACHRAY AV	NH AT SALTER ST TO 1ST MH E OF SALTER ST	MH00013698	3.65	MH00013789	3.88	100.7	375		Circ	CS	CONC	4	2	FD
43	MA00015800	ATLANTIC AV	1ST MH E OF EMSLIE ST TO 2ND MH E OF EMSLIE ST	MH00014054	3.29	MH00014056	4.73	93.1	375		Circ	CS	VC	5	5	FD
44	MA70011855	ATLANTIC AV	2ND MH E OF EMSLIE ST TO MH AT ST CROSS ST	MH00014056	4.73	MH00008926	4.34	93.2	375		Circ	CS	VC	5	5	FD
45	MA00011127	ST CROSS ST	1ST MH N OF ATLANTIC AV TO MH AT POLSON AV	MH00008931	2.24	MH00008932	6.57	64.9	300		Circ	CS	VC	7	5	FD
46	MA20007256	AIRPORT RD EXT	1ST MH N OF NOTRE DAMEAV TO 1ST MH S OF NOTREDAMEAV	MH20006649	10.47	MH20006650	11.02	78.1	200		Circ	WWS	CONC	11	2	FD
47	MA20007359	LISMORE AV	MH AT KING EDWARD ST (EPL) - 1ST MH E OF KING EDWARD ST	MH20006732	2.83	MH20006746	3.31	130.5	250		Circ	WWS	CONC	3	2	FD
48	MA20007370	LISMORE AV	1ST MH E OF KING EDWARD ST - MH AT ODDY ST	MH20006746	3.31	MH20006745	3.79	23.0	250		Circ	WWS	CONC	4	5	FD
49	MA20007423	LOGAN AV	1ST MH W TO 2ND MH W OF KING EDWARD ST (NPL)	MH20006798	3.51	MH20006792	3.10	36.2	250		Circ	WWS	CONC	4	2	FD
50	MA20007422	LOGAN AV	2ND MH W OF KING EDWARD TO 5TH MH E OF BANNISTER	MH20006792	3.40	MH20006796	2.61	24.2	250		Circ	WWS	CONC	3	2	FD
51	MA20007427	LOGAN AV	5TH MH E TO 6TH MH E OF BANNISTER RD (SPL)	MH20006796	2.62	MH20006795	2.46	46.7	250		Circ	WWS	CONC	3	2	FD
52	MA20007426	KING EDWARD ST	MH AT LOGAN AV (SPL) TO 1ST MH S OF LOGAN AV	MH20006795	2.46	MH20006868	2.84	17.6	250		Circ	WWS	CONC	3	2	FD
53	MA20007501	KING EDWARD ST (W OF CL)	MH @ LOGAN AV (SPL) TO 1ST MH S OF LOGAN AV	MH20006868	2.84	MH20006865	3.26	79.2	250		Circ	WWS	CONC	3	2	FD
54	MA20007463	ELGIN AV W	2ND MH E OF KING EDWARD ST - 3RD MH E OF KING EDWARD ST	MH20006828	2.94	MH20006827	2.74	74.3	250		Circ	WWS	CONC	3	3	FD
55	MA20010337	NOTRE DAME AV	MH AT DOMINION ST TO MH AT GARFIELD ST	MH20009441	5.97	MH20010573	6.14	91.8	750		Circ	CS	CONC	6	2	FD
56	MA20017751	NOTRE DAME AV	MH AT GARFIELD ST TO MH AT E PL GARFIELD ST	MH20010573	6.14	MH20015881	6.37	10.4	750		Circ	CS	CONC	6	2	FD
57	MA20017752	NOTRE DAME AV	MH AT E PL GARFIELD ST TO MH AT SHERBURN ST	MH20015881	6.37	MH20039620	6.54	77.0	750		Circ	CS	CONC	7	2	FD
58	MA20017793	NOTRE DAME AV	MH AT SHERBURN ST TO MH AT INGERSOLL ST	MH20039620	6.55	MH20015916	6.62	87.8	600		Circ	CS	CONC	7	2	FD
59	MA20017794	NOTRE DAME AV	MH AT INGERSOLL ST TO MH AT W PL LIPTON ST	MH20015916	6.62	MH20015961	6.63	77.2	750		Circ	CS	CONC	7	2	FD
60	MA20018532	SHERBROOK ST	1ST MH S OF ROSS AV TO MH AT ELGIN AV (S PL)	MH20016596	4.91	MH20016597	4.79	29.0	600		Circ	CS	BR-BRICK	5	2	FD
61	MA20018531	SHERBROOK ST	MH AT ROSS AV TO 1ST MH S OF ROSS AV	MH70028638	3.98	MH20016596	4.91	78.9	600		Circ	CS	VC/BR-BRICK	5	2	FD