

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

Appendix A - Table A - Repair Requirements

Sewer Details									Repair Requirements			
Drawing	Sewer Asset	Street Name	Manholes		Length	Size			Sewer Services	Patching	Removal of Intruding Connections	Solid Debris Cutting/Other
			Upstream	Downstream		Height	Width	Shape				
1	MA00008873	LANSLOWNE AV	MH00011092	MH00005973	95.8	300		Circ	17		70.9 CNI @ 01 DS	22.3-23.0 RM @ 01, 08-09 DS; 32.8 RM @ 03 DS; 35.9 EM @ 02-04, 08-11 DS; 39.0-39.8 RM @ 02-03, 09 DS; 40.8 EM @ 02-03, 09-11 DS; 41.5 EM @ 10 DS; 47.0 RM @ 09 DS; 48.2-49.5 EM @ 02, 03, 09, 12 DS
2	MA00008912	INKSTER BV (CL)	MH00005965	MH00005955	95.5	375		Circ	23			
3	MA00009340	MAIN ST (E OF W PL)	MH00011011	Tea	54.0	1200	925	Egg	1	0-6.5 @ 05, 07 DS		0-8.8 Remove Debris @ 06 DS
4	MA00009351	MAIN ST (E OF W PL)	MH00011056	MH00011011	37.0	1200	925	Egg	2	11.8-13.7 @ 05 DS; 24.2-37.1 @ 05, 07 DS		37.1 Remove Debris @ 07 DS
5	MA00009374	MAIN ST (CL)	MH00011140	MH00011039	62.0	900		Circ	12			15.8-18.6 EM @ 02-05, 07-10 DS; 27.6 Remove Pipe; 27.9 EM @ 01-04 DS; 45.2 EM @ 08-10 DS
6	MA00009543	MAIN ST (CL)	MH00011208	MH00011194	42.3	750		Circ	6			3.2 EMJ @ 01-05 US; 23.8 EMJ @ 01-04 US; 42.7 EM @ 01-04, 08-10 US
7	MA00009550	AIKINS ST	MH00011198	MH00011197	53.8	375		Circ	3			43.5 EM @ 01-05, 09-11 DS
8	MA00009627	BANNERMAN AV (CL)	MH00010817	MH00006204	101.3	375		Circ	19		31.6 CNI @ 10 DS; 80.2 CNI @ 10 DS; 100.0 CNI @ 10 DS	
9	MA00009869	CATHEDRAL AV	MH00006421	MH00006444	97.5	375		Circ	19			23.6 RM @ 08 DS
10	MA00009894	INKSTER BV (CL)	MH00006600	MH00006427	100.0	375		Circ	10			47.2 EM/RM @ 06-07 DS; 64.5 EMJ @ 07-10 DS; 65.4 EMJ @ 02-05 DS; 77.1 EM @ 03-05 DS
11	MA00010072	INKSTER BV (CL)	MH00006674	MH00006600	101.0	375		Circ	14		12.6 CNI @ 02 DS; 63.7 CNI @ 02 DS	6.0-9.2 EM @ 06 DS; 12.1-12.7 EM @ 06 DS; 13.9 EM/RM @ 07-09 DS; 15.1-16.6 @ 06 DS; 18.9 EM @ 03-07 DS; 57.7 EM @ 02-04, 07-10 DS; 66.1 RM @ 09, 10; 91.9 EM @ 07 DS
12	MA00009966	BANNERMAN AV	MH00006483	MH00006496	100.5	375		Circ	21		2.0 CNI @ 02 DS; 89.2 CNI @ 10 DS	0.2 EM @ 05 DS; 5.9 RF @ 03 DS; 22.1 Remove Debris @ 06; 83.9-85.1 EM @ 07-09, 01-12 DS;
13	MA00009971	POWERS ST (W OF CL)	MH00006563	Tea	45.8	750		Circ	0	0-2.6 @ 04, 07 DS; 9.2 @ 01-12 DS; 12.2-13.2 @ 03 DS; 18.5-21.1 @ 03, 07, 09, 12 DS; 26.6 @ 05 DS		
14	MA00010105	INKSTER BV (CL)	MH00006631	MH00006616	92.3	375		Circ	15			55.3 EM @ 08 DS; 90.6-91.6 EM @ 03-05 DS
15	MA00010124	CARRUTHERS AV	MH00006649	MH00006660	51.0	375		Circ	4		35.8 CNI @ 10 DS	10.5-11.7 EM @ 04, 08 DS; 13.5 EM @ 07-08 DS; 17.9 EM @ 05, 07 DS; 36.3 EM @ 03-04, 08 DS; 44.1 EM 07-12 DS; 45.8 EM @ 07-10 DS; 49.3 EMJ @ 09 DS
16	MA00010664	RAFORD ST	No MH?	MH00008491	32.5	300		Circ	0			10.0 EM @ 06 US
17	MA00010728	MONREITH ST	MH00008543	MH00008544	94.2	300		Circ	19		5.1 CNI @ 10 DS	9.5-14.7 EM @ 03, 09 DS; 22.2 EMJ @ 04-05 DS; 74.3 EM @ 03-04 DS; 79.5 EM @ 03-05, 12 DS
18	MA00016570	CATHEDRAL AV (CL)	MH00014021	MH00014038	93.1	300		Circ	17		8.2 CNI @ 01 DS; 53.8 CNI @ 09 DS	7.1 EMJ @ 05 DS; 7.8 EL @ 01-06 DS; 17.0 EL @ 01-05 DS; 22.0-24.0 EL @ 01-05, 07-11 DS; 28.2-30.0 EL @ 02-04, 07-08, 11 DS; 31.0 EL @ 03-05, 08-11 DS; 31.8-32.6 EL @ 01-05, 08-09 DS; 34.0-34.8 EL @ 08-09 DS; 35.4 EL @ 01-05, 08-11 DS; 38.8 EL @ 03-04 DS; 46.0 EL @ 01-04 DS; 46.8 EL @ 08-09 DS; 59.4 EL @ 01-05 DS
19	MA00011169	INKSTER BV (CL)	MH00008978	MH00008969	95.2	450		Circ	19		49.0 CNI @ 02 DS; 66.0 CNI @ 10 DS; 66.8 CNI @ 02 DS	3.8-5.7 EL @ 04, 08 DS; 8.7-18.8 RMJ (at joints) @ 03, 09 DS; 20.8 RMJ @ 10 DS; 28.1-42.8 RMJ (at joints) @ 03, 09 DS; 44.2 RM @ 02-04, 09 DS; 49.0 RM @ 02-04 DS; 60.3 RMJ @ 03-05 DS; 62.4-65.0 RMJ @ 03-05, 07 DS; 66.0 RM @ 08-10 DS; 66.8 RM @ 02-03, 08 DS
20	MA00011955	BOYD AV	MH00010321	MH00010339	100.7	900		Circ	23	62.1-64.7 @ 05, 07 DS; 66.0-85.2 @ 05, 07 DS; 88.6-99.8 @ 05, 07 DS	62.8 CNI @ 12 DS	13.2 EM @ 03-05, 07-10 DS; 15.2 EM @ 03-05 DS; 26.1-27.1 EM @ 07-10 DS; 32.8 EM @ 07-09 DS; 35.2 EM @ 07-09 DS; 37.7-43.6 Remove Debris @ 06 DS; 42.0 EM @ 02-04 DS; 44.2 EM @ 07-10 DS; 47.3 EM @ 08-10 DS; 54.9 EM @ 03-05, 08-09 DS; 56.3 EM @ 01-05 DS
21	MA00011979	BOYD AV	MH00010339	MH00010340	94.4	900		Circ	23	1.2-2.8 @ 05, 07 DS; 5.0-10.2 @ 05, 07 DS; 12.4 @ 07 DS; 15.4 @ 05 DS; 20.2 @ 05 DS; 29.8 @ 07 DS; 42.2-44.4 @ 05, 07 DS; 49.4-51.7 @ 05, 07 DS; 58.7 @ 05 DS; 60.4-64.0 @ 05, 07 DS; 67.2-69.0 @ 05, 07 DS	22.2 EM @ 03-04 DS; 71.4 EM @ 03-04 DS	
22	MA00011978	BOYD AV (CL TO N OF CL)	MH00010340	Tea	6.8	900		Circ	0			
23	MA00011966	SINCLAIR ST	MH00010338	MH00010429	57.2	1575	1200	Egg	6	15.5-17.3 @ 07-08 DS; 40.2 @ 07-08 DS; 45.3 @ 03-04 DS; 57.0 @ 04-05 DS		32.4 EM @ 03-05 DS
24	MA00012330	ARLINGTON ST	MH00010657	MH00010661	12.0	300		Circ	0			0 EM @ 01-05, 09-11 DS; 7.8 EM @ 09-10 DS
25	MA00012425	BANNERMAN AV (CL)	MH00010793	MH00010737	89.8	300		Circ	16		88.6 CNI @ 10 DS	8.2 EM @ 07-08 DS; 23.7 RMJ @ 03-04, 08-11 DS; 29.2 EL @ 07-08 DS; 32.5 EL @ 08-09 DS; 43.2 EM @ 07-08 DS; 44.0 EL @ 03-05, 07-08 DS; 45.5 EL @ 08-10 DS; 46.6-48.2 EL @ 07-09 DS; 49.4 EL @ 05, 07-10 DS; 50.2 EL @ 07-09 DS; 50.9 EL/EM @ 03-05, 07-09 DS; 52.5 EM @ 07-09 DS; 53.3-56.0 EL @ 03-05, 07-09 DS; 62.8 EL @ 08-09 DS; 64.4 EL @ 07-09 DS; 72.7-76.5 EM @ 03-05, 07-09 DS; 79.0-83.6 EL/EM @ 03-05, 07-09 DS; 88.0 EL @ 07-08 DS
26	MA00012468	BANNERMAN AV	MH00010781	MH00010780	12.3	300		Circ	0			
27	MA00012686	ABERDEEN AV	MH00010326	MH00012675	195.6	1350	1050	Egg	38	19.2 @ 07 DS; 28.4 @ 07 DS; 35.3 @ 04 DS; 50.0 @ 08 DS; 57.8 @ 04, 08 DS; 84.2 @ 07 DS; 116.6 @ 08 DS	50.4 CNI @ 02 DS; 65.6 CNI @ 02 DS; 94.2 CNI @ 01 DS; 99.2 CNI @ 11 DS	94.6 EM @ 03-05 DS
28	MA00014218	ABERDEEN AV	MH00012675	MH00012911	202.1	1350	1050	Egg	43	32.6 @ 04 DS; 120.8 @ 04, 08 DS; 135.5 @ 04, 08 DS	47.8 CNI @ 01 DS; 53.8 CNI @ 10 DS	182.8 EL @ 03-05 DS; 189.8 EL @ 02-05 DS
29	MA00014483	ABERDEEN AV	MH00012908	MH00013004	94.4	300		Circ	19		49.5 CNI @ 09 DS	49.8 remove gaskets @ 05-07 DS; 76.4 EL @ 04-05 DS; 87.2 RF @ 05 DS
30	MA00015848	SYNDICATE ST	MH00014072	MH00014070	34.4	900		Circ	5			34.0 Remove Debris @ 05-07 DS (Concrete in invert)
31	MA00014145	BURROWS AV (CL)	MH00012670	MH00012615	100.5	375		Circ	20		19.0-23.4 RF @ 01-12 DS; 25.8 RMJ @ 03-04 DS; 62.2 EL @ 01-05 DS; 90.0 RM @ 02-03, 09-10 DS	
32	MA00015627	MACHRAY AV	MH00013935	MH00013973	97.5	300		Circ	11		12.5 CNI @ 10 DS	10.7 EL @ 04 DS; 13.7 EL @ 03, 08 DS; 25.4 EL @ 05, 07 DS; 33.0-34.2 EL/EM @ 02-04, 07-11 DS; 44.4 EL @ 04-05 DS; 58.6 EL @ 01-05, 08-10 DS; 90.8 EL @ 03-05 DS; 94.4 EM @ 07-05 DS
33	MA00015051	ABERDEEN AV	MH00013416	MH00013498	94.1	300		Circ	22		2.4 CNI @ 02 DS; 5.4 CNI @ 02 DS; 14.6 CNI @ 10 DS; 22.8 CNI @ 10 DS; 25.2 CNI @ 09 DS; 25.8 CNI @ 10 DS	35.7-38.1 EL @ 04 DS; 44.4 EL @ 09 DS; 51.1-56.5 EL @ 09-11 DS
34	MA00015073	REDWOOD AV	MH00013427	MH00013508	95.3	375		Circ				
35	MA00015115	ABERDEEN AV	MH00013456	MH00013553	94.3	300		Circ	14		61.0 CNI @ 02 DS; 86.5 CNI @ 10 DS	22.4 EL @ 07-09 DS; 28.0 EL @ 01-05, 09-11 DS; 32.3 EL @ 09-10 DS; 39.0 EMJ @ 01-05, 11 DS; 40.2 EL @ 01-05 DS; 47.7 EL @ 07-05 DS; 54.0 EL @ 01-05 DS; 56.4 EL @ 01-04, 08-11 DS; 63.9 EL @ 07-10 DS; 86.5 EM @ 07-10 DS
36	MA00015421	BOYD AV	MH00013541	MH00013741	99.0	300		Circ	12		34.6 CNI @ 10 DS; 43.0 CNI @ 10 DS; 46.2 CNI @ 01 DS; 56.6 CNI @ 10 DS; 78.4 CNI @ 02 DS	0-1.8 EL @ 04-08 DS; 29.2 EL @ 03-04, 08-09 DS; 34.0 EL @ 02-05 DS; 37.0 EL @ 01-05 DS; 56.2 EL/EM @ 07-12 DS; 91.8 EL @ 08-12 DS
37	MA00015390	CHARLES ST (CL)	MH00013798	MH00013741	67.6	300		Circ	2		27.2 CNI @ 09 DS	29.8-33.8 EL @ 02-03, 07-09, 12 DS; 35.0-39.6 EL @ 02-03, 09-11 DS; 42.0-45.2 EL @ 12-03 DS
38	MA00015455	AIKINS ST	MH00013787	MH00013763	120.1	900		Circ	21	0-2.2 @ 04-05, 07-08 DS; 6.2 @ 07-08 DS; 18.2 @ 05 DS; 78.5 @ 08-09 DS		11.2 EL @ 07-10 DS; 25.8 EL @ 03-05; 33.4 EL @ 09-10 DS; 39.8 RF @ 12-01 DS; 46.6 EM @ 07-09 DS; 101.2 EL @ 02 DS; 111.8 EL @ 01-05 DS; 114.0 EL @ 01-03 DS
39	MA00015484	AIKINS ST	MH00013839	MH00013787	100.0	750		Circ	18	49.8 @ 04-05, 07 DS; 58.4-60.0 @ 05, 07 DS		5.0 EL @ 01, 09-10 DS; 7.0 EM @ 09 DS; 15.3 EL @ 01-05 DS; 49.8 EL @ 07-09 DS; 54.2 EL @ 02-05, 07-10 DS; 56.5 EL @ 07-11 DS; 64.0 EL @ 08-10 DS; 66.4 EL @ 08-10 DS; 68.6 EL @ 08-09 DS; 69.8 EL @ 08-11 DS; 73.7 EL @ 09-10 DS; 84.2 EL @ 08-10 DS; 92.4 EL @ 01-03 DS; 93.8 EL @ 08-09 DS
40	MA00015559	AIKINS ST	MH00013838	MH00013839	121.6	750		Circ	20	118.1-119.8 @ 05, 07 DS		16.4-19.4 EL @ 09 DS; 22.3 EL @ 09-10 DS; 26.4 EL @ 02-03 DS; 29.5 EL @ 01-05, 07-10 DS; 30.2-36.0 EL @ 08-10 DS; 39.2 EM @ 02-05 DS; 40.2-41.8 EL @ 02-04 DS; 46.0 EL @ 07-10 DS; 53.9 EL @ 07-09 DS; 74.8-77.4 EL @ 07-10 DS; 79.0-85.6 EL @ 07-11 DS; 98.4 EL @ 07-09 DS; 101.0 EL @ 07-09 DS; 103.2 EL @ 09-11 DS; 110.9 RM @ 01, 11 DS;
41	MA00012697	AIKINS ST	MH00011371	MH00013838	101.3	600		Circ	11	0 @ 05 DS; 0-0.6 @ 05 US		5.8 EL @ 08-10 DS; 8.0 EL @ 07-10 DS; 15.6-23.2 EL/EM @ 01-05, 07-11 DS; 25.9-30.5 EL/EM @ 01-05, 08-11 DS; 5.5-6.5 EL @ 07-10 US; 7.4 EL @ 02-04 US; 11.0-14.2 EL @ 01-04, 07-10 US; 17.1 EL @ 01-05 US; 18.0 EL @ 03-05 US; 25.2 EL @ 08-09 US; 28.8-30.8 EL @ 07-11 US; 32.5 EL @ 02-04, 08-09 US; 33.8-38.8 EL/EM @ 02-05, 07-10 US; 39.5 EL @ 01-04 US; 43.3 EL @ 02-04, 08-10 US; 44.4 EL @ 02-05, 08-10 US; 49.4 EL @ 01-04 US; 51.0-55.2 EL @ 02-05, 07-10 US; 67.6-71.0 EL @ 01-05 US
42	MA00015488	MACHRAY AV	MH00013698	MH00013789	100.7	375		Circ	20			24.7 EL @ 04-05 DS; 36.5 RF @ 07 DS; 45.4 RF @ 08 DS; 61.3 RF @ 07 DS; 70.4 RF @ 09 DS; 74.6 Remove Debris @ 05-07 DS
43	MA00015800	ATLANTIC AV	MH00014054	MH00014056	93.1	375		Circ	9		63.2 CNI @ 12 DS; 70.6 CNI @ 11 DS	0 EL @ 01-05 DS; 12.0 EL @ 07-10 DS; 16.7-17.4 EL @ 07-05 DS; 19.2 EL @ 01-05, 08-11 DS; 19.8 EL @ 03-05 DS; 21.7 EL @ 07-08 DS; 25.8 EM @ 12-04 DS; 57.5 EL @ 12 DS
44	MA00011855	ATLANTIC AV	MH00014056	MH00008926	93.2	375		Circ	5		40.8 CNI @ 10 DS	40.6 EM @ 08-10 DS; 43.4 EL @ 02-05 DS; 48.5 EL @ 01-04, 09-11 DS; 75.4 EL @ 08 DS
45	MA00011127	ST CROSS ST	MH00008931	MH00008932	64.9	300		Circ	3			16.4-18.4 Remove Debris @ 05 DS; 32.5 RM @ 05, 08 DS; 33.3 RM @ 04 DS; 41.8 RM/EM @ 04, 07 DS; 42.6 RF @ 04, 07 DS; Remove Debris @ MH8932 (Concrete in invert)
46	MA20007256	AIRPORT RD EXT	MH20006649	MH20006650	78.1	200		Circ	0			
47	MA20007359	LISMORE AV	MH20006732	MH20006733	130.5	250		Circ	7		58.0 CNI @ 10 US	3.8-7.2 EL/EM @ 03, 09 DS; 58.5 EL @ 08-10 US; 79.2 RemoveDebris US; 110.0-111.2 EL/EM @ 10-01 US
48	MA20007370	LISMORE AV	MH20006746	MH20006745	23.0	250		Circ	0			18.0-21.2 EL @ 01-12 DS
49	MA20007423	LOGAN AV	MH20006798	MH20006792	36.2	250		Circ	0			0-14.0 RF/RM @ 01-04, 09-11 DS; 19.4-20.2 RF @ 01 DS; 21.5 EL @ 03-04 DS; 25.2-26.2 EL @ 09 DS; 26.6-32.4 RF @ 01-02, 10 DS
50	MA20007422	LOGAN AV	MH20006792	MH20006796	24.2	250		Circ	0			7.2-8.4 RF @ 12-01 DS; 16.0-18.0 RF @ 01, 11 DS; 19.2 RF @ 10 DS
51	MA20007427	LOGAN AV	MH20006796	MH20006795	46.7	250		Circ	0			
52	MA20007426	KING EDWARD ST	MH20006795	MH20006868	17.6	250		Circ	0			
53	MA20007501	KING EDWARD ST (W OF CL)	MH20006868	MH20006865	79.2	250		Circ	3		26.8 CNI @ 02 DS; 67.9 CNI @ 02 DS; 76.3 CNI @ 02 DS	
54	MA20007463	ELGIN AV W	MH20006828	MH20006827								