

# **APPENDIX 'B'**

## **DESIGN CONDITIONS**

2025 Sewer Renewals by CIPP Lining - Contract 2

Tender No. 1006-2025

Appendix B - Design Conditions

Sewer Details														Design Conditions				
Asset Number	Drawing #	Sheet #	Street Name	Location Details	Manholes				Length (m)	Size		Shape	Flow Type	Material	Max Depth (m)	Pre EPR Ovality	Post EPR Ovality	Design Condition (PD/FD)
					Upstream	Depth (m)	Downstream	Depth (m)		Height (mm)	Width (mm)							
S-MA00015145	13777	3	ABERDEEN AV	1ST MH W OF SALTER ST TO MH AT SALTER ST	S-MH00013498	3.66	S-MH00013481	4.31	95.0	300	300	C	CS	VC	4.31	4%	-	FD
S-MA20016393	13778	4	AGNES ST	1ST MH S OF SARGENT AV TO 2ND MH S OF SARGENT AV	S-MH20014756	2.81	S-MH20014750	3.07	99.5	375	375	C	CS	VC	3.07	10%	10%	FD
S-MA00015355	13779	5	ANDERSON AV	1ST MH W OF SALTER TO MH AT SALTER ST	S-MH00013666	3.29	S-MH00013681	3.30	94.5	300	300	C	CS	VC	3.30	8%	8%	FD
S-MA00009119	13780	6	ATLANTIC AV	1ST MH E POWERS ST TO 2ND MH E POWERS ST	S-MH00006512	2.49	S-MH00010844	2.73	98.0	300	300	C	CS	VC	2.73	7%	-	FD
S-MA00009144	13781	7	ATLANTIC AV	2ND MH E POWERS ST TO MH @ SALTER ST	S-MH00010844	2.73	S-MH00010899	3.83	94.5	300	300	C	CS	VC	3.83	10%	-	FD
S-MA20014818	13782	8	BALMORAL ST	5TH MH S OF ST MARYS AV TO MH AT BROADWAY (N.PL)	S-MH20013373	4.91	S-MH20013378	5.83	71.0	300	300	C	CS	VC	5.83	5%	-	FD
S-MA20014851	13783	9	BALMORAL ST	1ST MH S OF PORTAGE AV TO 2ND MH S OF PORTAGE AV	S-MH20014806	2.82	S-MH20013412	3.23	70.0	300	300	C	CS	VC	3.23	2%	-	FD
S-MA20014790	13784	10	BALMORAL ST	1ST MH S OF BROADWAY TO MH AT BROADWAY	S-MH20013354	4.64	S-MH20013380	6.28	115.0	375	375	C	CS	VC	6.28	8%	-	FD
S-MA20016667	13785	11	BALMORAL ST	MH AT QU'APPELLE AV TO 1ST MH S OF QU'APPELLE AV	S-MH20015059	4.86	S-MH20014988	4.59	111.0	375	375	C	CS	VC	4.86	9%	-	FD
S-MA00012469	13786	12	BANNERMAN AV	1ST MH W OF SINCLAIR ST TO MH AT SINCLAIR ST	S-MH00010782	3.58	S-MH00010781	2.92	27.5	300	300	C	CS	VC	3.58	3%	-	FD
S-MA00017684	13787	13	BEACONSFIELD ST	1ST MH N OF LUSTED AV TO 2ND MH N OF LUSTED AV	S-MH00012320	2.72	S-MH00012311	3.03	37.0	250	250	C	CS	VC	3.03	11%	-	FD
S-MA00012482	13788	14	CATHEDRAL AV	MH AT SINCLAIR ST TO 1ST MH E OF SINCLAIR ST	S-MH00010798	2.95	S-MH00010823	2.93	105.5	300	300	C	CS	CONCRETE	2.95	2%	-	FD
S-MA20014873	13789	15	COOPER AV	MH AT OSBOURNE ST (W.PL) TO MH AT COLONY ST	S-MH20013484	5.52	S-MH20013436	5.88	79.0	450	450	C	CS	VC	5.88	3%	-	FD
S-MA00013061	13790	16	DUFFERIN AV	MH AT SALTER ST (WPL) TO 1ST MH E OF SALTER ST	S-MH00011664	4.59	S-MH00011726	4.25	105.5	375	375	C	CS	VC	4.59	5%	-	FD
S-MA20014637	13791	17	FURBY ST	1ST MH S OF PORTAGE AV TO 2ND MH S OF PORTAGE AV	S-MH20013229	2.92	S-MH20013216	3.31	103.0	300	300	C	CS	VC	3.31	8%	-	FD
S-MA20016547	13792	18	FURBY ST	3RD MH N OF FURBY PL TO MH AT ELLICE AV	S-MH20014884	3.73	S-MH20014943	5.01	85.5	300	300	C	CS	VC	5.01	3%	-	FD
S-MA20014848	13793	19	GOOD ST	2ND MH S OF PORTAGE AV TO MH AT ST MARY'S AV (NPL)	S-MH20013413	3.07	S-MH20013391	3.06	47.5	300	300	C	CS	CONCRETE	3.07	2%	2%	FD
S-MA20014805	13794	20	GOOD ST	2ND MH S OF ST MARY AV TO 3RD MH S OF ST MARY AV	S-MH20013405	4.02	S-MH20013384	4.48	131.5	375	375	C	CS	CONCRETE	4.48	4%	4%	FD
S-MA00013790	13795	21	LISGAR AV	2ND MH E OF AUSTIN ST TO 1ST MH E OF AUSTIN ST	S-MH00012318	2.94	S-MH00012283	3.35	81.5	300	300	C	CS	VC	3.35	10%	4%	FD
S-MA00013172	13796	22	MANITOBA AV	1ST MH W OF SALTER ST TO 2ND MH W OF SALTER ST	S-MH00011750	3.36	S-MH00011778	4.29	83.0	300	300	C	CS	CONCRETE	4.29	4%	4%	FD
S-MA20007193	13797	23	MCDERMOT AVE W	1ST MH E OF KING EDWARD ST- 2ND MH E OF KING EDWARD ST	S-MH20006594	2.52	S-MH20006625	2.83	96.5	200	200	C	WWS	CONCRETE	2.83	2%	-	FD
S-MA20016714	13798	24	MCGEE ST	3RD MH S OF WELLINGTON AV TO 4TH MH S OF WELLINGTON AV	S-MH20015026	2.42	S-MH20015025	2.93	95.0	300	300	C	CS	VC	2.93	8%	2%	FD
S-MA20014439	13799	25	MCGEE ST. (W.LEG)	1ST MH S. OF ST. MATTHEWS AV TO MH AT ST. MATTHEWS AV	S-MH20013040	2.72	S-MH20013039	2.81	78.5	300	300	C	CS	CONCRETE	2.81	17%	9%	FD
S-MA20016557	13800	26	MCMICKEN ST	1ST MH S OF ELLICE AV TO MH AT ELLICE AV	S-MH20014892	2.85	S-MH20014947	4.86	91.5	225	225	C	CS	VC	4.86	2%	-	FD
S-MA20016794	13801	27	MCMICKEN ST	1ST MH S OF SARGENT AV TO MH AT SARGENT AV	S-MH20015095	2.49	S-MH20015162	3.44	104.0	225	225	C	CS	VC	3.44	2%	-	FD
S-MA20014908	13802	28	MEMORIAL BV (W. OF CL)	1ST MH N OF YORK AV TO MH AT YORK AV (N.PL)	S-MH20013486	3.80	S-MH20013461	4.64	62.0	375	375	C	CS	VC	4.64	3%	-	FD
S-MA00007450	13803	29	PARK LANE AV (E.LEG)	1ST MH N PARK LANE AV SLEG TO 2ND MH N PARK LANE	S-MH00007471	3.14	S-MH00007458	3.82	121.5	250	250	C	WWS	CONCRETE	3.82	3%	3%	FD
S-MA20014617	13804	30	PORTAGE AV	MH AT FURBY ST (E.PL) TO 1ST MH W OF FURBY ST	S-MH20013239	3.07	S-MH20013199	3.75	83.5	300	300	C	CS	VC	3.75	8%	-	FD
S-MA20016471	13805	31	PORTAGE AV(CL TO S. OF CL)	MH AT BALMORAL ST (S.LEG) TO MH AT GOOD ST	S-MH20014815	3.78	S-MH20014837	4.69	109.0	300	300	C	CS	VC	4.69	3%	3%	FD
S-MA20016754	13806	32	QU'APPELLE AV	MH AT DEACON ST TO 1ST MH W OF DEACON ST	S-MH20015113	3.39	S-MH20015060	3.90	66.0	300	300	C	CS	VC	3.90	2%	-	FD
S-MA20012155	13807	33	ROSS AV	2ND MH E OF ODDY ST TO 1ST MH E OF ODDY ST	S-MH20011125	3.26	S-MH20011077	3.86	69.0	200	200	C	WWS	CONCRETE	3.86	15%	8%	FD
S-MA00015339	13808	34	SALTER ST	MH AT CHURCH AV TO MH AT ANDERSON AV	S-MH00013703	3.91	S-MH00013681	4.42	101.0	300	300	C	CS	VC	4.42	2%	-	FD
S-MA20016837	13809	35	SARGENT AV	MH AT MCMICKEN ST TO MH AT FURBY ST	S-MH20015162	3.44	S-MH20015121	3.94	55.0	300	300	C	CS	VC	3.94	5%	5%	FD
S-MA00010935	13810	36	SELKIRK AV	1ST MH E OF BATTERY ST TO MH AT BATTERY ST (W.PL)	S-MH00008799	3.49	S-MH00008787	4.41	106.5	300	300	C	CS	CONCRETE	4.41	2%	-	FD
S-MA00010838	13811	37	SELKIRK AV	1ST MH W OF SGT TOMMY PRINCE ST TO 1ST MH E OF SGT TOMMY PRINCE ST	S-MH00008700	3.56	S-MH00008761	4.63	113.5	300	300	C	CS	VC	4.63	2%	-	FD
S-MA20017658	13812	38	SHERBROOK ST	2ND MH AT PORTAGE AV TO 3RD MH N OF PORTAGE AV	S-MH20013192	3.51	S-MH20014788	3.84	60.0	300	300	C	CS	VC	3.84	2%	-	FD
S-MA20018247	13813	39	SHERBROOK ST	1ST MH S OF NOTRE DAME AV TO 2ND MH S OF NOTRE DAME AV	S-MH20016428	3.25	S-MH20016335	3.22	66.0	300	300	C	CS	VC	3.25	2%	-	FD
S-MA20013651	13814	40	SHERBROOK ST	1ST MH N. OF CORNISH AV. TO MH AT CORNISH AV.	S-MH20012363	3.46	S-MH20012364	3.48	52.0	300	300	C	CS	VC	3.48	10%	10%	FD
S-MA20017152	13815	41	TORONTO ST	MH AT ST MATTHEWS AV (N.PL) TO 1ST MH N OF ST MATTHEWS AV	S-MH20015392	1.93	S-MH20015651	3.16	118.0	300	300	C	CS	VC/PVC	3.16	9%	9%	FD
S-MA20017441	13816	42	TORONTO ST	2ND MH N OF ST MATTHEWS AV TO 3RD MH N OF ST MATTHEWS AV	S-MH20015649	3.00	S-MH20015656	3.44	111.5	375	375	C	CS	VC	3.44	6%	-	FD
S-MA20014913	13817	43	VAUGHAN ST	1ST MH N OF ST MARY AV TO 2ND MH N OF ST MARY AV	S-MH20013465	3.83	S-MH20014814	3.66	77.0	300	300	C	CS	VC	3.83	3%	-	FD
S-MA20016468	13818	44	VAUGHAN ST	1ST MH S OF GRAHAM AV TO MH AT GRAHAM AV	S-MH20014814	3.66	S-MH20014849	4.19	86.0	375	375	C	CS	VC	4.19	2%	-	FD
S-MA20014369	13819	45	WESTMINSTER AV	MH AT MARYLAND ST (E.PL) TO MH AT SHERBROOK ST	S-MH20012991	3.08	S-MH20013060	4.06	91.5	300	300	C	CS	VC	4.06	6%	6%	FD
S-MA20011840	13820	46	WILLIAM AV W	MH @ KEEWATIN ST TO 1ST MH W OF KEEWATIN ST	S-MH20010854	2.90	S-MH20011172	3.43	41.5	200	200	C	WWS	CONCRETE	3.43	2%	-	FD
S-MA20013677	13821	47	WOLSELEY AV (N. OF CL)	2ND MH E OF MARYLAND ST TO MH AT SHERBROOK ST	S-MH20012387	3.10	S-MH20012384	3.84	15.5	300	300	C	CS	VC	3.84	5%	-	FD
S-MA20016559	13822	48	YOUNG ST	4TH MH N OF PORTAGE AV TO MH AT ELLICE AV	S-MH20014897	4.08	S-MH20014973	5.57	122.0	300	300	C	CS	VC	5.57	10%	3%	FD
S-MA70104335	13823	49	YOUNG ST	3RD MH N OF PORTAGE AV TO 4TH MH N OF PORTAGE AV	S-MH70049844	3.39	S-MH20014897	4.08	122.0	300	300	C	CS	VC	4.08	14%	6%	FD
S-MA70054642	13824	50	YOUNG ST	4TH MH S OF CUMBERLAND AV TO MH AT SARGENT AV	S-MH20015200	3.37	S-MH20015172	3.64	65.5	300	300	C	CS	VC	3.64	5%	2%	FD