

APPENDIX 'B'

DESIGN CONDITIONS

2025 Sewer Renewals by CIPP Lining - Contract 1
Tender No. 1005-2025
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	PD/FD
					Upstream	Depth (m)	Downstream	Depth (m)		Height (mm)	Width (mm)							
S-MA20016753	13717	3	BALMORAL ST	1ST MH S OF SARGENT AV TO MH AT QU'APPELLE AV	MH20015110	4.35	MH20015059	4.86	79.5	375	375	circular	CS	VC	4.86	2%	2%	FD
S-MA40003385	13718	4	BEATRICE ST	1ST MH S OF COBOURG AV TO MH AT COBOURG AV	MH40006466	2.89	MH40003090	3.04	43.5	300	300	circular	CS	CONCRETE	3.04	2%	-	FD
S-MA60018036	13719	5	BELAIR RD (S.LEG)	MH AT BELAIR RD(E.LEG) TO MH AT MARSHALL BY(W.LEG)	MH60015620	2.30	MH60015613	2.44	108.5	300	300	circular	LDS	CONCRETE	2.44	13%	-	FD
S-MA60005511	13720	6	BROCK ST	MH AT GRANT AV TO 1ST MH S OF GRANT AV	MH60004183	3.65	MH60004192	3.86	97.5	375	375	circular	CS	CONCRETE	3.86	2%	-	FD
S-MA60005514	13721	7	BROCK ST	MH AT GRANT AV TO 1ST MH N OF GRANT AV	MH60004183	3.19	MH60004249	3.44	99.0	375	375	circular	CS	VC	3.44	8%	-	FD
S-MA60006579	13722	8	CARPATIA RD. (S.LEG)	1ST MH E.OF KENASTON BV. TO MH AT CARPATIA DR.	MH60005206	2.72	MH60004575	2.94	52.0	300	300	circular	CS	CONCRETE	2.94	2%	-	FD
S-MA40008893	13723	9	CHALMERS AV	1ST MH W OF ROCH ST TO 2ND MH W OF ROCH ST	MH40008101	2.85	MH40008099	3.38	101.5	300	300	circular	CS	CONCRETE / PVC	3.38	10%	-	FD
S-MA50002509	13724	10	CHERRIER ST()	1ST MH W OF ARCHIBALD ST TO MH AT ARCHIBALD ST	MH50002116	3.43	MH50002117	4.19	29.0	300	300	circular	CS	CONCRETE	4.19	2%	2%	FD
S-MA00009782	13725	11	CHURCH AV	1ST MH W MCGREGOR AV - MH @ MCGREGOR AV	MH00006349	3.86	MH00006343	4.76	100.5	450	450	circular	CS	VC	4.76	4%	-	FD
S-MA40008567	13726	12	DEARBORN AV	MH AT LACY ST TO MH AT BRAZIER ST	MH40007930	2.06	MH40007802	3.74	86.0	300	300	circular	CS	PVC/CONCRETE	3.74	9%	-	FD
S-MA50007462	13727	13	DES MEURONS AV	MH AT DUBUC ST TO 1ST MH S OF DUBUC ST	MH50006377	4.67	MH50006391	4.80	79.5	375	375	circular	CS	CONCRETE	4.80	2%	-	FD
S-MA50007463	13728	14	DES MEURONS AV	1ST MH S OF DUBUC ST TO MH AT YARDLEY ST	MH50006391	4.74	MH50006392	5.31	79.5	375	375	circular	CS	CONCRETE	5.31	2%	-	FD
S-MA50007464	13729	15	DES MEURONS AV	MH AT YARDLEY ST TO MH AT NIVERVILLE AV	MH50006392	5.31	MH50006393	5.79	81.0	375	375	circular	CS	CONCRETE	5.79	2%	-	FD
S-MA70026779	13730	16	DUBUC ST	MH AT BRAEMAR AV(E.OF CL) TO MH AT BRAEMAR AV(CL)	MH70009322	5.89	MH50006389	6.42	4.0	450	450	circular	CS	CONCRETE	6.42	2%	-	FD
S-MA60017613	13731	17	EASEMENT(E OF SANDRA BY(E.LEG))	1ST MH N OF CRANE AV TO MH AT CRANE AV	MH60015231	2.24	MH60015238	2.91	122.5	300	300	circular	LDS	CONCRETE	2.91	11%	-	FD
S-MA50002619	13732	18	EUGENIE ST(CL)	3RD MH E OF DES MEURONS-MH @ YOUVILLE ST	MH50002218	2.93	MH50002209	3.30	70.5	300	300	circular	CS	CONCRETE	3.30	5%	-	FD
S-MA20014634	13733	19	FURBY ST	2ND MH S OF PORTAGE AV TO 2ND MH S OF PORTAGE AV	MH20013216	3.32	MH20013212	3.55	35.0	300	300	circular	CS	VC	3.55	2%	-	FD
S-MA70009101	13734	20	FURBY ST	4TH MH S OF SARGENT AV TO MH AT ELLICE AV	MH20014939	4.41	MH20014943	5.01	100.0	450	450	circular	CS	VC	5.01	6%	6%	FD
S-MA50006244	13735	21	HALLIDAY BY NLEG	MH @ HALLIDAY BY ELEG - MH @ SPEERS RD	MH50005322	2.65	MH50005323	3.00	112.5	200	200	circular	WWS	CONCRETE	3.00	8%	-	FD
S-MA50006248	13736	22	HALLIDAY BY S LEG	MH AT HALLIDAY BY E LEG TO MH AT SPEERS RD	MH50005325	3.14	MH50005324	3.57	112.5	200	200	circular	WWS	CONCRETE	3.57	4%	4%	FD
S-MA40008936	13737	23	HARBISON AV W	1ST MH W OF ROCH ST TO 2ND MH S OF ROCH ST	MH40008136	3.53	MH40008147	3.89	102.0	300	300	circular	CS	CONCRETE	3.89	8%	-	FD
S-MA40013684	13738	24	HARVARD AV W	MH AT WINONA ST TO 1ST MH W OF BOND ST	MH40012497	1.65	MH40012395	4.21	87.0	200	200	circular	WWS	CONCRETE / VC	4.21	9%	9%	FD
S-MA50007504	13739	25	HILL ST.	1ST MH S.OF DUBUC ST. TO 2ND MH S.OF DUBUC ST.	MH50006430	5.95	MH50006431	5.99	75.5	450	450	circular	CS	CONCRETE	5.99	2%	-	FD
S-MA50007505	13740	26	HILL ST.	2ND MH S.OF DUBUC ST. TO MH AT NIVERVILLE AV	MH50006431	5.99	MH50006432	6.29	84.0	450	450	circular	CS	CONCRETE	6.29	2%	-	FD
S-MA50004191	13741	27	HILLCREST AV	1ST MH S OF NIVERVILLE AV TO MH AT CATON ST	MH50003649	4.58	MH50003650	4.29	111.5	375	375	circular	CS	CONCRETE	4.58	2%	-	FD
S-MA50002632	13742	28	HORACE ST	1ST MH W OF YOUVILLE ST TO MH AT YOUVILLE ST	MH50002230	3.63	MH50002219	4.16	108.5	300	300	circular	CS	CONCRETE	4.16	2%	-	FD
S-MA00012028	13743	29	KILDARROCH ST.	1ST MH N.OF MOUNTAIN AV. TO MH AT MOUNTAIN AV.	MH00010398	3.84	MH00010392	4.49	108.5	300	300	circular	CS	VC	4.49	2%	-	FD
S-MA60022542	13744	30	LA GRAVE ST	1ST MH N OF LORD AV TO MH AT LEMAY AV	MH60018915	1.97	MH60018886	2.05	95.5	375	375	circular	LDS	CONCRETE	2.05	6%	-	FD
S-MA20018441	13745	31	LANGSIDE ST	MH AT NOTRE DAME AV(SPL) TO 1ST MH S OF NOTRE DAME AV	MH20016576	2.56	MH20016509	2.97	97.0	300	300	circular	CS	VC	2.97	2%	-	FD
S-MA00009465	13746	32	LANSLOWNE AV	1ST MH E OF AIKENS ST TO 2ND MH E OF AIKENS ST	MH00011117	6.09	MH00011146	6.50	87.5	450	450	circular	CS	VC	6.50	2%	-	FD
S-MA50003618	13747	33	LAWDALE AV	1ST MH N OF LYNDAL DR TO MH AT CONISTON ST	MH50003108	3.42	MH50003114	3.30	138.5	300	300	circular	CS	CONCRETE	3.42	12%	10%	FD
S-MA40013595	13748	34	MADELINE ST	MH AT KILDARE AV W NPL TOMH AT KILDARE AV W CL	MH40012306	4.92	MH40012300	5.95	8.5	250	250	circular	WWS	CONCRETE	5.95	2%	2%	FD
S-MA20016700	13749	35	MCGEE ST	MH AT SARGENT AV(SPL) TO 1ST MH S OF SARGENT AV	MH20015040	2.68	MH20015013	2.85	98.0	375	375	circular	CS	VC	2.85	7%	-	FD
S-MA20016866	13750	36	MCMICKEN ST	1ST MH N. OF SARGENT AV. TO MH AT SARGENT AV.	NEW MH	2.54	MH20015162	3.44	85.0	225	225	circular	CS	VC	3.44	8%	-	FD
S-MA00010672	13751	37	MOUNTIAN AVE(CL)	MH @ TINNIS WOOD ST(CL)-MH @ RADFORD ST	MN00008493	3.40	MH00008478	3.71	85.5	450	450	circular	CS	CONCRETE	3.71	2%	-	FD
S-MA40008647	13752	38	NOBLE AV	3RD MH W OF HENDERSON HWY TO MH AT BEATRICE ST	MH40007874	2.89	MH40006470	3.52	97.5	375	375	circular	CS	CONCRETE	3.52	0%	-	FD
S-MA40007670	13753	39	NOTTIGHAM AV	1ST MH W OF BESANT ST TO 2ND MH W OF BESANT ST	MH40006993	3.20	MH40006982	3.89	116.0	300	300	circular	CS	CONCRETE	3.89	7%	-	FD
S-MA60012734	13754	40	PARKER AV	1ST MH W OF DANIEL ST TO MH AT DANIEL ST EPL	MH60010905	3.20	MH60010926	3.89	87.5	300	300	circular	CS	VC	3.89	0%	-	FD
S-MA50015607	13755	41	PILGRIM AV	MH @ DES MEURONS ST (EPL) TO MH @ DES MEURONS ST	MH50012503	3.15	MH50012502	3.31	8.5	300	300	circular	WWS	VC	3.31	9%	-	FD
S-MA70020673	13756	42	PIONEER AV	3RD MH W OF WESTBROOK ST TO 4TH MH W OF WESTBROOKST	MH20014552	2.88	MH20014603	3.24	62.0	300	300	circular	CS	PVC / VC	3.24	2%	-	FD
S-MA50004770	13757	43	PROVENCHER BLVD	2ND MH W OF ST JEAN BAPTISTE-MH @ LANGEVIN (CL)	MH50003899	3.74	MH50004078	3.57	111.0	450	450	circular	CS	VC	3.74	10%	-	FD
S-MA50011044	13758	44	PROVENCHER BLVD	MH AT THIBAUT ST TO 1ST MH W OF THIBAUT ST	MH50008963	2.91	MH50004073	3.23	118.5	375	375	circular	CS	VC	3.23	2%	-	FD
S-MA00010655	13759	45	RADFORD ST	1ST MH N OF MOUNTAIN AVE-MH @ MOUNTAIN AVE	MH00008522	3.24	MH00008478	3.67	100.5	375	375	circular	CS	VC	3.67	2%	-	FD
S-MA00015413	13760	46	REDWOOD AVE	MH AT CHARLES ST CL TO 1ST MH W CHARLES ST	MH00013722	3.10	MH00013561	3.84	101.0	300	300	circular	CS	CONCRETE	3.84	2%	-	FD
S-MA50004492	13761	47	RUE AUBERT	MH AT GABRIELLE ROY PL. TO CERCLE MOLIERE	MH50003831	4.87	MH50003847	5.19	100.5	250	250	circular	WWS	CONCRETE	5.19	18%	14%	FD
S-MA50003017	13762	48	RUE LANDEVIN	1ST MH N. OF HAMEL AV TO MH AT HAMEL AV	MH50002549	2.01	NEW MH	2.74	14.5	300	300	circular	CS	CONCRETE	2.74	7%	-	FD
S-MA50004710	13763	49	RUE ST.JOSEPH	1ST MH N.OF PROVENCHER BV.	MH50004022	2.52	MH50004014	3.41	50.0	250	250	circular	CS	CONCRETE	3.41	0%	-	FD
S-MA20018248	13764	50	SHERBROOK ST	3RD MH S OF NOTRE DAME AV TO 1ST MH S OF CUMBERLAND AV	MH20016336	2.94	MH20016337	2.93	82.5	300	300	circular	CS	CONCRETE	2.94	7%	-	FD
S-MA50005031	13765	51	SPEERS RD	1STMH N OF CRESTWOOD CRTO2NDMH N OF CRESTWOOD CR	MH50004294	3.52	MH50004295	3.89	100.0	250	250	circular	WWS	CONCRETE	3.89	2%	-	FD
S-MA20016780	13766	52	SPENCE ST	MH AT SARGENT AV TO 1ST MH S OF SARGENT AV	MH20015173	4.31	MH70012374	4.38	90.0	450	450	circular	CS	VC	4.38	2%	2%	FD
S-MA50004406	13767	53	TACHE AV.	MH AT RUE MESSAGER TO MH AT RUE HEBERT	MH50003759	4.14	MH50003765	4.90	107.0	450	450	circular	CS	CONCRETE	4.90	5%	-	FD
S-MA00010702	13768	54	TINNISWOOD ST	1ST MH N OF MOUNTAIN AVE-MH @ MOUNTAIN AVE(CL)	MH00008530	3.15	MH00008493	3.08	55.5	375	375	circular	CS	VC	3.15	2%	-	FD
S-MA60012800	13769	55	WATERFORD AV.	3RD MH E.OF PEMBINA HWY TO 4TH MH E.OF PEMBINA HWY.	MH60010964	2.41	MH60011179	2.89	110.5	375	375	circular	LDS	CONCRETE	2.89	13%	-	FD
S-MA60013016	13770	56	WATERFORD AV.	4TH MH E.OF PEMBINA HWY TO MH AT WICKLOW ST.	MH60011179	2.89	MH60011173	5.55	111.0	375	375	circular	LDS	CONCRETE	5.55	11%	9%	FD
S-MA60001505	13771	57	WESTGROVE WAY	MH @ PEPPERTREE PL TO 1ST MH E OF PEPPERTREE PL	MH60001134	2.77	MH60001139	3.49	88.5	200	200	circular	WWS	AC	3.49	2%	2%	FD
S-MA40013706	13772	58	WHITTIER AV W	1ST MH W OF WINONA ST TO MH AT WINONA ST	MH40012351	2.01	MH40012409	2.41	74.0	200	200	circular	WWS	VC	2.41	2%	-	FD
S-MA40011254	13773	59	WILLIAM NEWTON AV	MH AT ALLEN ST TO 1ST MH W OF ALLEN ST	MH40010194	2.80	MH40010195	2.79	97.5	300	300	circular	CS	CONCRETE	2.80	13%	-	FD
S-MA40013685	13774	60	WINONA ST	MH AT HARVARD AV W TO MH AT WHITTIER AV W	MH40012395	4.21	MH40012409	4.62	87.0	200	200	circular	WWS	VC	4.62	2%	-	FD