

# **APPENDIX 'B'**

## **DESIGN CONDITIONS**

2023 Sewer Renewals by CIPP Lining - Contract 4

Bid Opportunity No. 351-2023

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	PD/FD
					Upstream	Depth (m)	Downstream	Depth (m)		Height (mm)	Width (mm)						
S-MA20011111	13338	3	PORTAGE AV.	1ST MH E.OF WALL ST. TO MH AT BASSWOOD ST.	S-MH70007884	6.47	S-MH20010123	6.66	40.0	750	750	CIRCULAR	CS	CO	6.66	2%	FD
S-MA20011118	13338	3	PORTAGE AV.	MH AT BASSWOOD PL TO MH AT GOULDING ST	S-MH20010123	6.66	S-MH20010124	7.08	37.5	750	750	CIRCULAR	CS	CO	7.08	2%	FD
S-MA20011114	13339	4	PORTAGE AV.	MH AT GOULDING ST. TO MH AT SPRAGUE ST.	S-MH20010124	7.08	S-MH20010122	7.00	61.0	750	750	CIRCULAR	CS	CO	7.08	2%	FD
S-MA20011101	13339	4	PORTAGE AV.	MH AT SPRAGUE ST. TO MH AT MINTO ST.	S-MH20010122	7.00	S-MH20010121	7.57	43.0	750	750	CIRCULAR	CS	CO	7.57	2%	FD
S-MA20011106	13340	5	PORTAGE AV.	MH AT MINTO ST. TO MH AT GREENWOOD PL.	S-MH20010121	7.57	S-MH20010120	7.45	61.5	750	750	CIRCULAR	CS	CO	7.57	2%	FD
S-MA20011107	13340	5	PORTAGE AV.	MH AT GREENWOOD PL. TO MH AT DOMINION ST.	S-MH20010120	7.45	S-MH20010133	7.74	94.0	900	900	CIRCULAR	CS	CO	7.74	2%	FD
S-MA20011126	13340	5	PORTAGE AV	MH @ DOMINION ST CL - MH @ DOMINION ST EPL	S-MH20010133	7.74	S-MH20010140	7.73	8.0	900	900	CIRCULAR	CS	CO	7.74	2%	FD
S-MA20011143	13341	6	PORTAGE AV.	MH AT GARFIELD ST.S. TO MH AT SHERBURN ST.	S-MH20010155	7.99	S-MH20013516	8.62	85.0	900	900	CIRCULAR	CS	CO	8.62	2%	FD
S-MA20017639	13341	6	PORTAGE AV.	MH AT SHERBURN TO TIE-IN AT INGERSOLL ST.	S-MH20013516	8.62	S-TE20005272	N/A	84.0	900	900	CIRCULAR	CS	CO	8.62	2%	FD
S-MA20015190	13342	7	PORTAGE AV	MH AT BANNING ST TO TIE-IN AT LIPTON ST.	S-MH20013692	8.51	S-TE20005286	N/A	89.0	900	900	CIRCULAR	CS	CO	8.51	2%	FD
S-MA20015187	13342	7	PORTAGE AV.	MH AT BANNING ST TO MH AT BANNING ST.	S-MH20013700	8.34	S-MH20013692	8.51	3.0	900	900	CIRCULAR	CS	CO	8.51	2%	FD
S-MA20015185	13343	8	PORTAGE AV.	MH AT LENORE ST. TO MH AT RUBY ST.(E.OF CL)	S-MH20013741	8.12	S-MH20013700	8.34	81.5	900	900	CIRCULAR	CS	CO	8.34	2%	FD
S-MA20015246	13343	8	PORTAGE AV.	MH AT BURNELL ST TO MH AT LENORE ST.	S-MH20013746	7.80	S-MH20013741	8.12	37.5	900	900	CIRCULAR	CS	CO	8.12	2%	FD
S-MA20009784	13344	9	ST MATTHEWS AV	MH AT STRATHCONA ST TO MH AT ASHBURN ST. (W.PL)	S-MH20008942	6.13	S-MH70055257	6.26	83.5	750	750	CIRCULAR	CS	CO	6.26	2%	FD
S-MA70113962	13344	9	ST MATTHEWS AV	ST MATTHEWS AV-MH AT ASHBURN ST(W.PL) TO MH AT ASHBURN ST(CL)	S-MH70055257	6.26	S-MH20008344	6.26	6.5	750	750	CIRCULAR	CS	CO	6.26	2%	FD
S-MA20009103	13345	10	ST MATTHEWS AV	MH AT VALOUR RD TO MH AT SPRUCE ST.	S-MH20008343	6.09	S-MH20008359	6.21	78.0	900	900	CIRCULAR	CS	CO	6.21	2%	FD
S-MA20009129	13345	10	ST MATTHEWS AV	MH AT SPRUCE ST TO MH AT TELFER ST N.	S-MH20008359	6.21	S-MH20008363	6.23	46.0	900	900	CIRCULAR	CS	CO	6.23	2%	FD
S-MA20009132	13346	11	ST MATTHEWS AV	MH AT TELFER ST TO TIE IN AT CLIFTON ST.	S-MH20008363	6.23	S-TE20002261	N/A	87.5	900	900	CIRCULAR	CS	CO	6.23	2%	FD
S-MA20009421	13347	12	ST MATTHEWS AV	MH AT WALL ST CL TO MH AT WALL ST W OF CL	S-MH20008620	4.94	S-MH20008617	5.05	4.5	600	600	CIRCULAR	CS	CO	5.05	2%	FD
S-MA20009430	13347	12	ST MATTHEWS AV (CL)	MH AT GOULDING ST TO MH AT WALL ST(CL)	S-MH20008621	5.00	S-MH20008620	4.94	82.0	600	600	CIRCULAR	CS	CO	5.00	2%	FD
S-MA20017074	13348	13	ST.MATTHEWS AV.	MH AT SHERBURN AV.(S.OF CL) TO MH AT SHERBURN AV.(CL)	S-MH20015330	7.25	S-MH70076103	7.36	81.0	750	750	CIRCULAR	CS	CO	7.36	2%	FD
S-MA20017810	13349	14	WELLINGTON AV	MH @ LIPTON ST (WPL) TO MH @ LIPTON ST. (CL)	S-MH20015932	6.96	S-MH20015931	7.30	7.0	900	900	CIRCULAR	CS	CO	7.30	2%	FD