

APPENDIX 'B'

DESIGN CONDITIONS

2025 Sewer Renewals by CIPP Lining - Contract 4

Tender No. 1137-2025

Appendix B - Design Conditions

Sewer Details															Design Conditions			
Asset Number	Drawing #	Sheet #	Street Name	Location Details	Manholes				Length	Size		Shape	Flow Type	Material	Max Depth	Pre EPR	Post EPR	PD/FD
					Upstream	Depth	Downstream	Depth		Height	Width							
S-MA40008779	13827	3	ALLAN ST (CL)	MH AT THAMES AV TO TEE IN MAIN	S-MH40008013	2.74	NEW MH REQ'D	3.35	92.5	300	300	C	CS	CLAY	3.35	8%	8%	FD
S-MA50011462	13828	4	BARRINGTON AV (NPL)	2ND MH W OF ST MARY'S RD TO 3RD MH W OF ST MARY'S RD	S-MH50009240	2.98	S-MH50009241	3.17	120.5	300	300	C	LDS	CONCRETE	3.17	9%	9%	FD
S-MA60009769	13829	5	CARTER AV	MH AT ARBUTHNOT ST. TO 1ST MH W.OF ARBUTHNOT ST.	S-MH60007442	3.51	S-MH60010182	3.64	89.0	300	300	C	CS	VC	3.64	8%	-	FD
S-MA60011962	13830	6	CARTER AV	1ST MH W.OF ARBUTHNOT ST TO MH AT LILAC ST	S-MH60010182	3.64	S-MH60010179	5.09	86.0	300	300	C	CS	VC	5.09	2%	2%	FD
S-MA60015751	13831	7	CHANCELLOR DR	MH AT ALUMNI PL (E.LEG) TO MH AT ALUMNI PL (W.LEG)	S-MH60013474	2.69	S-MH60013465	3.31	74.0	250	250	C	WWS	CONCRETE	3.31	2%	2%	FD
S-MA60022267	13832	8	CLOUTIER DR	2NDMH W OF STORMONT DR TO 1ST MH W OF STORMNOTDR	S-MH60018713	4.63	S-MH60018712	5.17	94.5	250	250	C	WWS	CONCRETE	5.17	2%	-	FD
S-MA40005951	13833	9	CORINNE ST	MH AT CEDARCREST DR TO MH AT MARK PEARCE AV	S-MH40005407	2.90	S-MH40005403	2.80	85.0	525	525	C	CS	CONCRETE	2.90	2%	-	FD
S-MA50003411	13834	10	CROMWELL ST.	1ST MH W.OF ST.MARYS RD.TO TIE-IN AT ST.MARYS RD.	S-MH50002921	3.00	NEW MH	2.95	53.0	300	300	C	CS	CONCRETE	3.00	8%	-	FD
S-MA50012008	13835	11	DUNKIRK DR	DUNKIRK DR (WPL)-MH AT W FERNWOOD AV-NODE N OF W FERNWOOD AV	NEW MH REQ'D	3.92	S-MH50009629	4.04	91.0	300	300	C	WWS	CONCRETE	4.04	5%	5%	FD
S-MA40006592	13836	12	DUNROBIN AV	MH AT ROCH ST WPL TO 1ST MH W OF ROCH ST	S-MH40006040	2.92	S-MH40006032	3.19	94.0	300	300	C	CS	CONCRETE	3.19	3%	-	FD
S-MA40006456	13837	13	DUNROBIN AV (CL)	1STMH E OF HENDERSONHWYTO2NDMH E OF HENDERSONHWY	S-MH40006128	3.21	S-MH70032312	3.16	98.0	300	300	C	CS	CONCRETE	3.21	14%	14%	FD
S-MA60002078	13839	15	ELDRIDGE AV	1ST MH E OF LAXDAL RD TO MH AT MAYFIELD CR W PL	S-MH60001519	4.53	S-MH60001541	4.92	68.5	250	250	C	WWS	CONCRETE	4.92	2%	-	FD
S-MA60002565	13840	16	ELDRIDGE AV	MH AT HEWITT CR TO 1ST MH W OF HEWITT CR	S-MH60001909	2.92	S-MH60001912	3.35	94.5	250	250	C	WWS	CONCRETE	3.35	2%	-	FD
S-MA70031795	13841	17	ELDRIDGE AV	1ST MH W OF HEWITT CR TO MH AT HANEY ST	S-MH60001912	3.36	S-MH60001856	3.99	98.0	250	250	C	WWS	CONCRETE	3.99	3%	-	FD
S-MA60001920	13838	14	ELDRIDGE AVE	MH AT LAXDAL RD. TO 1ST MH E.OF LAXDAL RD.	S-MH60001401	4.15	S-MH60001519	4.58	84.5	250	250	C	WWS	CONCRETE	4.58	2%	-	FD
S-MA40008809	13842	18	GORDON AV.	2ND MH E.OF LACY ST.TO 1ST MH E.OF LACY ST.	S-MH40008052	2.31	S-MH40008022	3.07	101.0	300	300	C	CS	VC	3.07	3%	-	FD
S-MA50015119	13843	19	HASTINGS BV (CL)	1ST MH W OF DUNKIRK DR TO 1ST MH E OF DUNKIRK DR	S-MH50012132	2.69	S-MH70024646	2.72	66.5	250	250	C	WWS	CONCRETE	2.72	2%	2%	FD
S-MA60019130	13844	20	HAZEL PRK DR.(N.LEG)	1ST MH W.OF GROVELAND BY.(E.LEG)TO MH AT GROVELAND BY.(E.LEG)	S-MH60016879	3.22	S-MH60016549	3.62	105.5	250	250	C	WWS	CONCRETE	3.62	2%	-	FD
S-MA60011774	13845	21	HECTOR AV	1ST MH E OF STAFFORD ST TO 2ND MH E OF STAFFORD ST	S-MH60010000	2.82	S-MH60010081	3.20	78.5	300	300	C	CS	VC	3.20	8%	-	FD
S-MA60011919	13846	22	HECTOR AV	MH AT WENTWORTH ST TO 1ST MH E OF WENTWORTH ST	S-MH60010137	3.85	S-MH60010133	3.73	87.0	375	375	C	CS	VC	3.85	9%	9%	FD
S-MA60011913	13847	23	HECTOR AV.	1ST MH E.OF WENTWORTH ST.TO MH AT LILAC ST.	S-MH60010133	3.72	S-MH60010174	5.15	87.0	375	375	C	CS	VC	5.15	6%	-	FD
S-MA50006270	13848	24	JUBINVILLE BY E LEG	1ST MH N OF JUBINVILLE BY S LEG TO MH AT BETOURN	S-MH50005345	3.40	S-MH50005340	4.57	64.5	200	200	C	WWS	CONCRETE	4.57	2%	-	FD
S-MA50006267	13849	25	JUBINVILLE BY W LEG	MH AT JUBINVILLE BY S LEG TO 1ST MH N OF JUBINVI	S-MH50005343	3.08	S-MH50005344	3.88	65.0	200	200	C	WWS	CONCRETE	3.88	2%	2%	FD
S-MA40011862	13850	26	KANATA ST	MH AT REGENT AV E TO MH AT VICTORIA AV E	S-MH40010715	2.32	S-MH40010746	2.47	91.5	200	200	C	WWS	VC	2.47	2%	-	FD
S-MA40013775	13851	27	KANATA ST	MH AT YALE AV E TO MH AT RAVELSTON AV E	S-MH40012463	3.39	S-MH70073275	3.35	90.0	200	200	C	WWS	VC	3.39	8%	-	FD
S-MA40013938	13852	28	KERN CR(N LEG)	1ST MH N OF ROSSEAU AV E TO 1ST MH W OF WABASHA ST	S-MH40012579	3.58	S-MH40012606	3.78	55.0	200	200	C	WWS	CONCRETE	3.78	2%	2%	FD
S-MA40013943	13853	29	KERN DR	1ST MH S OF ROSSEAU AV E TO 1ST MH NW OF ROSSEAU AV E	S-MH40012584	1.88	S-MH40012585	2.27	59.0	200	200	C	WWS	CONCRETE	2.27	2%	-	FD
S-MA40013944	13854	30	KERN DR(E.LEG)	1ST MH NW OF ROSSEAU AV E TO 1ST MH E OF WABASHA ST	S-MH40012585	2.27	S-MH40012604	2.30	57.5	200	200	C	WWS	CONCRETE	2.30	2%	-	FD
S-MA50008165	13855	31	KINSBOURNE GREEN	1ST MH N. OF WESTBOURNE CRES. (E. OF CL) TO MH AT WESTBOURNE CRES. (W.O)	S-MH50000747	3.13	S-MH50000743	3.44	94.0	250	250	C	WWS	CONCRETE	3.44	2%	-	FD
S-MA60015748	13856	32	LAKESHORE RD.	1ST MH N.OF CHANCELLOR DR TO MH AT CHANCELLOR DR	S-MH60013516	4.04	S-MH60013464	3.73	118.5	250	250	C	WWS	CONCRETE	4.04	2%	2%	FD
S-MA60017960	13857	33	MARSHALL CR(N.LEG)	MH AT MARSHALL CR(W.LEG) TO 1ST MH E OF MARSHALL CR(W.LEG)	S-MH60015560	2.42	S-MH60015624	3.11	84.0	375	375	C	LDS	VC	3.11	6%	6%	FD
S-MA60017488	13858	34	OAKENWALD AV	1ST MH W OF WOODGROVE ST TO MANHOLE AT WOODGROVE ST	S-MH60015050	4.00	S-MH60015112	5.42	88.0	200	200	C	WWS	VC	5.42	8%	6%	FD
S-MA60016471	13859	35	PEMBINA HWY	MH @ CHANCELLOR DR TO 1ST MH N OF CHANCELLOR DR	S-MH60014169	6.55	S-MH60014186	6.76	97.5	375	375	C	WWS	CONCRETE	6.76	2%	-	FD
S-MA60015806	13860	36	PROVIDENCE PL	MH AT AUGUSTA DR - 1ST MH N OF AUGUSTA DR	S-MH60013521	3.45	S-MH60013563	5.76	114.0	250	250	C	WWS	CONCRETE	5.76	2%	-	FD
S-MA20012198	13861	37	ROSS AV	ROSS AV W-2ND MH W OF JUBA ST TO 3RD MH W OF JUBA ST	S-MH20011265	3.05	S-MH20011125	3.26	76.0	200	200	C	WWS	CONCRETE	3.26	6%	6%	FD
S-MA50013522	13862	38	ST ANNES RD	MH AT AVONDALE RD TO MH AT REGAL AV	S-MH50010556	5.34	S-MH50010559	5.59	93.5	900	900	C	CS	CLAY TILE	5.59	5%	-	FD
S-MA50009895	13863	39	ST DAVID PL (W LEG)	MH AT ST DAVID PL (S LEG) TO MH AT ST DAVID RD	S-MH50008142	2.87	S-MH50008131	2.84	113.5	200	200	C	CS	CONCRETE	2.87	6%	6%	FD
S-MA40011892	13864	40	VICTORIA AV E	1ST MH W OF KANATA ST TO MH AT KANATA ST	S-MH40010741	1.79	S-MH40010746	2.47	84.0	200	200	C	WWS	VC	2.47	7%	7%	FD
S-MA60017186	13865	41	WALLER AV	1ST MH E OF MARSHALL CR(E.LEG) TO 1ST MH W OF MARSHALL CR(E.LEG)	S-MH60014884	1.97	S-MH60014814	2.48	85.5	300	300	C	LDS	CONCRETE	2.48	8%	-	FD
S-MA60017068	13866	42	WALLER AV(S.OF CL)	1ST MH E OF DONNELLY ST TO 2ND MH E OF DONNELLY ST	S-MH60014699	2.73	S-MH60014826	2.90	89.5	375	375	C	LDS	CONCRETE	2.90	4%	4%	FD
S-MA60011788	13867	43	WEATHERDON AV	MH AT STAFFORD (EPL) TO 1ST MH W WENTHWORTH ST	S-MH60010014	3.07	S-MH60010017	3.08	74.0	300	300	C	CS	VC	3.08	4%	-	FD
S-MA60011846	13868	44	WEATHERDON AV	MH AT WENTWORTH ST TO 1ST MH E OF WENTWORTH ST	S-MH60010068	3.46	S-MH60010127	3.64	87.5	375	375	C	CS	VC	3.64	10%	10%	FD
S-MA60013015	13869	45	WICKLOW ST.	1ST MH N.OF NORTH DR.TO 1ST MH N.OF WATERFORD AV.	S-MH60011201	4.53	S-MH70036104	4.55	100.0	250	250	C	WWS	VC	4.55	10%	7%	FD
S-MA60017587	13870	46	WICKLOW ST.	1ST MH N.OF DOWKER AV.TO MH AT DOWKER AV.	S-MH60015204	2.88	S-MH60015255	3.24	114.0	300	300	C	LDS	CONCRETE	3.24	3%	-	FD
S-MA40011253	13871	47	WILLIAM NEWTON AV	MH AT ALLEN ST TO 1ST MH E OF ALLAN ST	S-MH40010194	2.76	S-MH40010193	3.26	87.0	300	300	C	CS	CONCRETE	3.26	11%	-	FD
S-MA60017486	13872	48	WOODGROVE ST.	MH AT OAKENWALD AV.TO 1ST MH N.OF OAKENWALD AV.	S-MH60015112	5.88	S-MH70040803	5.31	8.0	300	300	C	WWS	VC	5.88	5%	-	FD