Appendix B - Design Conditions

Sewer Details																Design Conditions				
DWG	Sheet	Sewer Asset	Street Name	Location	Manholes				Length	Size		Shape	Flow Type	Material	Installation of New MH's	Max Depth	Pre EPR Ovality	Post EPR Ovality	PD/FD[1]
					Upstream	Depth	Downstream	Depth		Height	Width								
12534	1	S-MA00015124	AIKINS ST	MH@ALFREDAV-MH@ABERDEENAV	S-MH00013469	4.55	S-MH00013553	5.33	80.3	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		5.33	8%		FD
12535	2	S-MA70024822	ALBERT ST	1ST S MCDERMOT AVE - FLOW N	S-MH20014508	3.51	S-MH20014503	4.43	49.55	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.43	8%		FD
12536	3	S-MA20018747	ALEXANDER AV	1ST MH E OF BUSHNELL ST - MH @ ISABEL ST (CL)	S-MH20016807	3.43	S-MH20016866	5.31	112.2	375		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		5.31	6%	6%	FD
12537	4	S-MA20019266	ALEXANDER AV	3RD MH E OF FOUNTAIN - MH @ PRINCESS ST	S-MH20017301	3.82	S-MH20017300	4.95	66.4	375		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.95	2%		FD
12538	5	S-MA20018999	ALEXANDER AV	MH @ ELLEN ST - MH @ FOUNTAIN ST	S-MH70030708	4.72	S-MH70030867	5.05	64.39	450		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		5.05	8%		FD
12539	6	S-MA20014362	ALLOWAY AV	MH AT MARYLAND (EPL) TO MH AT MARYLAND (CL)	S-MH20012980	3.92	S-MH20012981	4.33	11.77	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.33	6%		FD
12540	7	S-MA20016017	ARTHUR ST	1ST N MCDERMOT AVE - FLOW S	S-MH20014409	3.35	S-MH20014423	4.06	75.92	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.06	7%		FD
12541	8	S-MA20016030	ARTHUR ST	3RD MH N OF NOTRE DAME AV TO MH AT MCDERMOT AV	S-MH20014426	3.49	S-MH20014423	4.06	45.91	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.06	6%		FD
12542	9	S-MA20013417	AUSTIN ST	MH @ HENRY AV - 1ST MH S OF HIGGINS AV	S-MH20012145	3.74	S-MH20012117	4.2	73.99	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.20	6%		FD
12543	10	S-MA00013536	CHARLES ST	MH @ ALFRED (SPL) TO MH @ BURROWS AV	S-MH00012063	3.08	S-MH00012064	3.9	71	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.90	9%		FD
12544	11	S-MA20003720	COUNTRY CLUB BV	MH AT MEADOWSIDE DR TO 1ST MH N OF MEADOWSIDE DR	S-MH20003417	2.68	S-MH20003416	2.93	80.42	375		CIRCULAR	STORM	CO-CONCRETE		2.93	2%		FD
12545	12	S-MA20015802	CUMBERLAND AV	1ST W HARGRAVE ST - FLOW E	S-MH20014227	4.2	S-MH20014326	5.1	72.43	375		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		5.10	5%		FD
12546	13	S-MA00013721	DISRAELI ST	MH AT ROVER AV TO 1ST MH S OF ROVER AV	S-MH00012226	2.25	S-MH00012227	3.6	79.65	450		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.60	11%	11%	FD
12547	14	S-MA00013722	DISRAELI ST	2ND MH S OF ROVER AV TO 1ST MH S OF ROVER AV	S-MH00012554	2.99	S-MH00012226	2.25	75.45	450		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		2.99	6%		FD
12548	15	S-MA20015926	DONALD ST	1ST S NOTRE DAME AVE - FLOW N	S-MH20014335	2.7	S-MH20014340	3.06	48.5	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.06	6%		FD
12549	16	S-MA20008530	DOUGLAS PARK RD	3RD MH S OF PORTAGE AV TO 4TH MH S OF PORTAGE AV	S-MH20007928	3.65	S-MH20007856	3.43	123	300		CIRCULAR	COMBINED	CO-CONCRETE		3.65	10%		FD
12550	17	S-MA70026356	EDMONTON ST	1ST S QUAPPELLE AV-FLOW S	S-MH20015116	3.16	S-MH20015077	3.45	76.8	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.45	6%		FD
12551	18	S-MA20019500	ELGIN AV	3RD MH E OF XANTE ST - MH @ ARLINGTON ST	S-MH20017513	2.95	S-MH20017521	3.03	74.2	300		CIRCULAR	COMBINED	CO-CONCRETE		3.03	2%		FD
12552	19	S-MA70013073	ELGIN AV	CROSSING ADELAIDE ST-FLOW E	S-MH20017187	4	S-MH70005215	4.4	42.12	375		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.40	5%		FD
12553	20	S-MA70014619	ELLICE AV (CL)	1ST E KENNEDY - FLOW E	S-MH20015009	3.55	S-MH20014093	4.25	98.9	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.25	5%		FD
12554	21	S-MA20016066	FORT ST	1ST N YORK ST.-FLOW N	S-MH20014456	2.86	S-MH20014478	3.15	81	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.15	5%		FD
12555	22	S-MA20015857	GARRY ST	3RD N GRAHAM AVE - FLOW N	S-MH20014496	3.32	S-MH20014275	3.8	62.5	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.80	2%		FD
12556	23	S-MA00013688	HALLET ST	MH AT EUCLID AV TO 1ST MH S OF REX AV	S-MH00012201	3.01	S-MH00012191	3.69	79.12	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.69	6%		FD
12557	24	S-MA20013448	HENRY AV	1ST MH W OF ARGYLE ST - MH @ DISRAELI FR (E PL)	S-MH20012173	3.56	S-MH20012171	3.8	60.6	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.80	6%		FD
12558	25	S-MA20019356	HENRY AV	1ST MH E OF KING ST - MH @ KING ST	S-MH20017378	3.6	S-MH70045635	4.2	32.01	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.20	4%		FD
12559	26	S-MA70092759	HENRY AV	2ND MH E OF KING ST - 1ST MH E OF KING ST	S-MH20017377	2.97	S-MH20017378	3.6	43.76	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.60	8%		FD
12560	27	S-MA20019378	HIGGINS AV	MH @ PRINCESS ST - MH @ KING ST (W PL)	S-MH20017424	2.86	S-MH70045717	4.7	85.82	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.70	4%		FD
12561	28	S-MA70037081	JAMES AV	1ST W KING ST - FLOW W	S-MH20017207	3.15	S-MH70045455	3.24	73.8	300		CIRCULAR	COMBINED	CO-CONCRETE		3.24	17%		FD
12562	29	S-MA20019012	LAURA ST	MH @ HENRY AV (S PL) - MH @ LOGAN AV	S-MH20017073	2.86	S-MH20017056	4.22	124.4	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.22	13%		FD
12563	30	S-MA20019252	LIZZIE ST	1ST MH N OF ALEXANDER AV - MH @ LOGAN AV (CL)	S-MH20017287	3.74	S-MH20017294	5.78	53.66	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		5.78	11%		FD
12564	31	S-MA70021340	LOMBARD AV (CL)	1ST W MILL ST - FLOW W	S-MH20012030	2.75	S-MH20014666	4.48	101.6	375		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.48	6%		FD
12565	32	S-MA20001755	LUMSDEN AV	MH AT ISBISTER ST(EPL)-MH AT RUSSENHOLT ST	S-MH20001585	4.91	S-MH20001605	4.91	76.38	300		CIRCULAR	SANITARY	CO-CONCRETE		4.91	4%		FD
12566	33	S-MA20019293	MAIN ST	MH N.LANE@HENRY-1ST MH S. AT LOGAN	S-MH20017383	4.27	S-MH20017328	6.5	126.1	450		CIRCULAR	COMBINED	CO-CONCRETE		6.50	13%		FD
12567	34	S-MA20019409	MAIN ST.	8TH MH N OF HIGGINS TO 9TH MH N OF HIGGINS	S-MH20017437	1.9	S-MH20017426	2.05	18.6	225		CIRCULAR	STORM	CO-CONCRETE		2.05	4%		FD
12568	35	S-MA70062337	MARYLAND ST	2ND MH S OF WELLINGTON TO MH AT WELLINGTON	S-MH70028346	3.05	S-MH20016322	3.56	48.5	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.56	12%		FD
12569	36	S-MA70024958	MCDERMOT AV	1ST E HARGRAVE ST - FLOW E	S-MH20014350	2.9	S-MH20014349	3.33	68.45	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.33	5%		FD
12570	37	S-MA20016411	MCGEE ST	1ST MH N ELLICE AV TO MH AT ELLICE AV (CL)	S-MH20014765	3.84	S-MH20014772	4.78	90.73	450		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.78	11%		FD
12571	38	S-MA70013188	NOTRE DAME AV	1ST E FURBY ST - FLOW E	S-MH20016343	3.4	S-MH70005260	3.3	55.58	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.40	6%		FD
12572	39	S-MA70024980	NOTRE DAME AV	MH AT ARLINGTON ST (CL) TO MH AT HOME ST	S-MH20016156	2.96	S-MH20016209	3.21	95.2	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.21	3%		FD
12573	40	S-MA20018535	PACIFIC AV	1ST MH W OF SHERBROOK ST - MH @ SHERBROOK ST	S-MH20016599	3.95	S-MH20016770	4.04	80.5	450		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.04	8%		FD
12574	41	S-MA20004248	PARKDALE ST	1ST MH N OF PORTAGE AV TO MH AT PORTAGE AV	S-MH20003903	1.54	S-MH20003905	2.5	54.05	300		CIRCULAR	STORM	CO-CONCRETE		2.50	5%		FD
12575	42	S-MA70017850	PATRICK ST	MH @ LOGAN - 1ST MH S OF HENRY AV	S-MH70006714	3.06	S-MH20017018	5.26	112	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		5.26	17%	9%	FD
12576	43	S-MA20019176	PAULIN ST	MH @ ROSS AV - MH @ PACIFIC AV (S PL)	S-MH20017278	2.77	S-MH70008769	4.34	82.32	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.34	7%		FD
12577	44	S-MA20003948	PONTIAC BY (E LEG)	MH AT ALLARD AV TO MH AT PONTIAC BY (SLG)	S-MH20003628	2.52	S-MH20003615	2.84	114.1	250		CIRCULAR	SANITARY	CO-CONCRETE		2.84	2%		FD
12578	45	S-MA20015831	PORTAGE AV	1ST MH W OF SMITH ST TO MH AT SMITH ST	S-MH20014252	3.55	S-MH20014279	4.05	47.69	450		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.05	7%		FD
12579	46	S-MA20016236	PORTAGE AV	3RD MH W OF WESTBROOK ST TO 4TH MH W OF WESTBROOK ST	S-MH20014602	3.23	S-MH20014620	3.89	48.4	300		CIRCULAR	COMBINED	CO-CONCRETE		3.89	5%		FD
12580	47	S-MA20019379	PRINCESS ST	MH @ HIGGINS AV - 1ST MH N OF HIGGINS AV	S-MH70003651	3.85	S-MH70045717	4.41	60.1	375		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.41	7%		FD
12581	48	S-MA20019108	PRINCESS ST	1ST S ELGIN AVE - FLOW S	S-MH20017145	4.3	S-MH20017146	4.2	39.8	450		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.30	10%		FD
12582	49	S-MA20019382	PRINCESS ST	MH @ HIGGINS AV - MH @ HENRY AV	S-MH70045717	4.41	S-MH20017403	4.6	68.03	450		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.60	3%		FD
12583	50	S-MA20004763	RAQUETTE ST (CL)	3RD MH N OF ALLARD AV TO 4TH MH N OF ALLARD AV	S-MH20004383	3.64	S-MH20004370	4.58	105.5	250		CIRCULAR	SANITARY	CO-CONCRETE		4.58	6%		FD
12584	51	S-MA20018294	ROSS AV	MH @ TECUMSEH - 1ST MH W OF TECHUMSEH ST	S-MH20017748	3.11	S-MH20016415	3.3	81	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.30	2%		FD
12585	52	S-MA20018817	ROSS AV	1ST MH E OF ISABEL ST - 2ND MH E OF ISABEL ST	S-MH20016872	2.99	S-MH20016966	3.14	65.39	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.14	11%		FD
12586	53	S-MA20019145	ROSS AV	3RD MH E OF ELLEN ST - MH @ PAULIN ST	S-MH20017179	3.76	S-MH70008769	4.48	54.6	375		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.48	8%		FD
12587	54	S-MA00017598	ROYAL AV	1ST MH W MAIN ST TO MH AT MAIN ST ECL	S-MH00000935	3.05	S-MH00000957	3.75	111.1	300		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		3.75	4%		FD
12588	55	S-MA70025071	SMITH ST (CL)	1ST S PORTAGE AVE - FLOW N	S-MH20014272	3.72	S-MH20014279	4.07	57	375		CIRCULAR	COMBINED	VC-VITRIFIED CLAY		4.07	5%		FD