Appendix B - Design Conditions

Sewer Details															Design Conditions				
					Manholes														
DWG	Sheet	Sewer Asset	Street Name	Location	Upstream	Depth	Downstream	Depth	Length	Height	Width	Shape	Flow Type	Material	Installation of New MH's	Max Depth	Pre EPR Ovality	Post EPR Ovality	PD/FD[1]
12899	3	S-MA50017399	ALPINE AV	1ST MH E FERMOR EXIT TO MH @ FERMOR EXIT	S-MH50014134	3.1	S-MH50014132	3.9	64.6	250	250	C	COMBINED	PVC-POLYVINYL CHLORIDE		3.9	2%		FD
12900	4	S-MA50015043	ARDEN AV	MH AT PULBERRY ST TO 1ST MH W OF PULBERRY ST	S-MH50012073	3.4	S-MH50012074	3.6	124.9	200	200	C	SANITARY	CO-CONCRETE		3.6	2%		FD
12901	5	S-MA40003239	BANFF PL	2NDMH E OF HOVINGHAM RDTO1STMH E OF HOVINGHAM RD	S-MH40002945	3.0	S-MH40002946	3.3	12.4	250	250	C	SANITARY	CO-CONCRETE		3.3	2%		FD
12902	6	S-MA50006298	BIBEAU BY (E LEG)	MH AT BIBEAU BY (SLG) TO MH AT BIBEAU BY (NLG)	S-MH50005364	3.1	S-MH50005365	3.8	97.6	250	250	C	SANITARY	CO-CONCRETE		3.8	2%		FD
12903	7	S-MA40003110	BODIE BY	1ST MH S OF CLEARVIEW DR TO MH AT CLEARVIEW DR	S-MH40002820	3.6	S-MH40002859	3.5	62.9	250	250	C	SANITARY	CO-CONCRETE		3.6	2%		FD
12904	8	S-MA40008460	BOWMAN AV.()	MH AT BOWMAN AV TO 1ST MH W OF BOWMAN AV	S-MH40007699	3.3	S-MH40007704	3.8	108.9	375	375	C	COMBINED	VC-VITRIFIED CLAY		3.8	2%		FD
12905	9	S-MA70142212	CAMERON ST	1ST MH S TALBOT AV - MH @ HERBERT AV	S-MH70071455	2.2	S-MH40009705	2.8	30.7	300	300	C	COMBINED	PVC-POLYVINYL CHLORIDE		2.8	2%		FD
12906	10	S-MA40008119	CHALMERS AV	1ST MH W OF WATT ST TO MH AT WATT ST	S-MH40007393	4.1	S-MH40007397	4.8	101.2	300	300	C	COMBINED	VC-VITRIFIED CLAY		4.8	2%		FD
12907	11	S-MA40008129	CHALMERS AV	MH AT WATT ST TO 1ST MH E OF WATT ST	S-MH40007397	4.8	S-MH40007398	6.1	32.8	300	300	C	COMBINED	CO-CONCRETE		6.1	2%		FD
12908	12	S-MA50014780	CROFTON BY W LEG	MH AT CROFTON BY N LEG TO 1ST MH S OF CROFTON BY	S-MH50011879	3.2	S-MH50011880	2.9	40.2	525	525	C	STORM	CO-CONCRETE		3.2	2%		FD
12909	13	S-MA40011565	DZYNDRA CR (E LEG)	1ST MH S OF HATCHER RD TO 2ND MH S OF HATCHER RD	S-MH40010521	2.8	S-MH40010488	3.6	97.7	250	250	C	SANITARY	CO-CONCRETE		3.6	2%		FD
12910	14	S-MA50005807	FRONTENAC BY ELEG	1ST MH S FRONTENAC BY NLEG -MH@FRONTENAC BY NLEG	S-MH50004928	2.2	S-MH50004927	2.8	69.3	200	200	C	SANITARY	CO-CONCRETE		2.8	2%		FD
12911	15	S-MA40005208	GLENWOOD CR CL	MH AT HARBISON AV W TO 1ST MH SW OF HARBISON AV	S-MH40004727	3.9	S-MH40004728	4.2	75.0	450	450	C	COMBINED	VC-VITRIFIED CLAY		4.2	2%		FD
12912	16	S-MA40013822	HARVARD AV W	1ST MH E OF WINONA ST TO MH AT BOND ST	S-MH40012497	1.7	S-MH40012508	4.7	86.2	200	200	C	SANITARY	AC-ASBESTOS CEMENT		4.7	2%	2%	FD
12913	17	S-MA40011438	HATCHER RD (S LEG - S OF C	1ST MH W OF NUGENT RD TO MH AT BOURNAIS DR	S-MH40010367	7.5	S-MH40010368	8.0	104.0	300	300	C	SANITARY	CO-CONCRETE		8.0	2%		FD
12914	18	S-MA40008467	JAMISON AV()	1ST MH E OF WATT ST TO MH AT WATT ST	S-MH40007736	4.0	S-MH40007712	5.7	106.9	300	300	C	COMBINED	VC-VITRIFIED CLAY		5.7	3%		FD
12915	19	S-MA40005302	JAMISON AV	2ND MH E OF HENDERSON HW TO 3RD MH E OF HENDERSO	S-MH40004872	2.8	S-MH40004828	3.4	96.1	300	300	C	COMBINED	VC-VITRIFIED CLAY		3.4	2%		FD
12916	20	S-MA40013868	KANATA ST	MH@RAVELSTON AVE E TO MH@ROSSEAU AVE E	S-MH70073275	1.6	S-MH40012572	4.1	89.0	200	200	C	SANITARY	VC-VITRIFIED CLAY		4.1	20%	9%	FD
12917	21	S-MA50009829	KINGSWOOD AV	1ST MH W OF ST ANNES RD TO 2ND MH W OF ST ANNES	S-MH50008088	3.3	S-MH50008087	3.2	135.9	250	250	C	COMBINED	CO-CONCRETE		3.3	2%		FD
12918	22	S-MA40004052	LOUELDA ST	MH@1STBACKLANE N OF KIMBERLY AV TO TIE-IN S OFMH	S-MH40003679	4.4	S-TE70028480	-	3.1	250	250	C	SANITARY	AC-ASBESTOS CEMENT		4.4	2%		FD
12919	23	S-MA70123310	MELROSE AV E	1ST MH E OF LEOLA ST TO MH AT LEOLA ST	S-MH70060018	2.1	S-MH40008197	2.5	93.5	250	250	C	SANITARY	PVC-POLYVINYL CHLORIDE		2.5	2%	2%	FD
12920	24	S-MA40007651	NOTTINGHAM AV.	2ND MH E.OF GREY ST. TO 1ST MH E.OF GREY ST.	S-MH40006961	4.0	S-MH40007086	4.3	95.0	375	375	C	COMBINED	CO-CONCRETE		4.3	13%		FD
12921	25	S-MA40004388	PRINCE RUPERT AV	2ND MH E OF GATEWAY RD TO 1ST MH W OF GREY ST	S-MH40003984	2.9	S-MH40004000	4.1	84.9	300	300	C	COMBINED	VC-VITRIFIED CLAY		4.1	2%		FD
12922	26	S-MA40007849	ROBIN HOOD CR. (W LEG)	2NDMHS.OFADAMDELLCR.(N LEG)TO1STMHN.OFADAMDELL	S-MH40007148	4.3	S-MH40007147	4.5	58.9	375	375	C	COMBINED	CO-CONCRETE		4.5	2%		FD
12923	27	S-MA40013553	ROSSEAU AV W	1ST MH W OF WINONA ST TO 2ND MH W OF WINONA ST	S-MH40012266	2.0	S-MH40012265	2.5	95.8	200	200	C	SANITARY	AC-ASBESTOS CEMENT		2.5	2%		FD
12924	28	S-MA40013672	ROSSEAU AVE/WINONA ST	MH AT RAVELSTON AV W TO MH AT ROSSEAU AV W	S-MH40012387	3.6	S-MH40012393	3.9	89.1	200	200	C	SANITARY	VC-VITRIFIED CLAY		3.9	3%		FD
12925	29	S-MA40013681	ROSSEAU AV W	1ST MH E OF WINONA ST TO MH AT WINONA ST	S-MH40012496	1.6	S-MH40012393	3.9	86.3	200	200	C	SANITARY	AC-ASBESTOS CEMENT		3.9	2%	2%	FD
12926	30	S-MA40013832	ROSSEAU AV W	1ST MH W OF DAY ST TO MH AT DAY ST	S-MH40012502	1.4	S-MH40012552	4.8	104.4	200	200	C	SANITARY	AC-ASBESTOS CEMENT		4.8	2%		FD
12927	31	S-MA40003160	SAGE WOOD AV	1ST MH E OF KINGSDALE RDTO1STMH W OF KINGSDALERD	S-MH40002872	2.7	S-MH40002875	3.2	67.8	250	250	C	SANITARY	CO-CONCRETE		3.2	2%		FD
12928	32	S-MA40002752	SPRINGFIELD RD N CURB	1ST MH E OF BRIAN ST TO 1ST MH W OF BRIAN ST	S-MH40002488	2.8	S-MH40002545	3.2	99.6	200	200	C	SANITARY	CO-CONCRETE		3.2	2%		FD
12929	33	S-MA40002797	SPRINGFIELD RD N CURB	1ST MH W OF BRIAN ST TO 2ND MH W OF BRIAN ST	S-MH40002545	3.2	S-MH40002525	3.0	102.6	200	200	C	SANITARY	CO-CONCRETE		3.2	2%		FD
12930	34	S-MA40002738	SPRINGFIELD RD N CURB	2ND MH W OF BRIAN ST TO 1ST MH W OF KAREN ST	S-MH40002525	3.0	S-MH40002469	3.0	102.4	200	200	C	SANITARY	CO-CONCRETE		3.0	2%		FD
12931	35	S-MA40002678	SPRINGFIELD RD N CURB	1ST MH W OF KAREN ST TO 2ND MH W OF KAREN ST	S-MH40002469	3.0	S-MH40002414	3.0	101.5	200	200	C	SANITARY	CO-CONCRETE		3.0	2%		FD
12932	36	S-MA40002592	SPRINGFIELD RD N CURB	2ND MH W OF KAREN ST TO 3RD MH W OF KAREN ST	S-MH40002414	3.1	S-MH40002327	3.2	103.0	200	200	C	SANITARY	CO-CONCRETE		3.2	2%		FD
12933	37	S-MA40002566	SPRINGFIELD RD N CURB	3RD MH W OF KAREN ST TO MH AT ROTHESAY ST	S-MH40002327	3.2	S-MH40002304	3.8	97.3	200	200	C	SANITARY	CO-CONCRETE		3.8	2%		FD
12934	38	S-MA40002567	SPRINGFIELD RD N CURB	1ST MH W OF ROTHESAY ST TO MH AT ROTHESAY ST	S-MH40002305	2.6	S-MH40002304	3.2	9.4	200	200	C	SANITARY	CO-CONCRETE		3.2	2%		FD
12935	39	S-MA40002744	SPRINGFIELD RD (S CURB)	MH AT BRAIN ST TO 1ST MH W OF BRAIN ST	S-MH40002489	1.9	S-MH40002529	2.5	122.4	375	375	C	STORM	CO-CONCRETE		2.5	2%	2%	FD
12936	40	S-MA40008350	UNION AV W	2ND MH E OF WATT ST TO 1ST MH E OF WATT ST	S-MH40007610	3.8	S-MH70032853	4.0	106.7	300	300	C	COMBINED	VC-VITRIFIED CLAY		4.0	3%		FD
12937	41	S-MA40004775	WASHINGTON ST	1ST MH W OF WATT ST TO 2ND MH W OF WATT ST	S-MH40004351	2.8	S-MH40004345	3.2	107.6	300	300	C	COMBINED	VC-VITRIFIED CLAY		3.2	2%		FD
12938	42	S-MA40008174	WATT ST	MH AT MARTIN AVE TO MH AT UNION AVE W	S-MH40007467	4.7	S-MH40007438	5.3	105.4	300	300	C	COMBINED	VC-VITRIFIED CLAY		5.3	13%		FD
12939	43	S-MA40008169	WATT/MARTIN AV W	MH AT WATT ST TO 1ST MH W OF WATT ST	S-MH40007467	5.1	S-MH40007456	5.3	6.4	375	375	C	COMBINED	VC-VITRIFIED CLAY		5.3	5%	2%	FD
12940	44	S-MA40008203	WATT ST/MARTIN AV W	1ST MH E OF WATT ST TO MH AT WATT ST	S-MH40007593	4.6	S-MH40007467	5.1	108.6	300	300	C	COMBINED	VC-VITRIFIED CLAY		5.1	2%		FD
12941	45	S-MA40013556	WATT ST/WHITTER AV W	2ND MH E HOKA ST 3RD MH E HOKA ST	S-MH40012270	2.2	S-MH40012284	2.7	65.2	200	200	C	SANITARY	PVC-POLYVINYL CHLORIDE		2.7	25%	2%	FD
12942	46	S-MA40013569	WHITTIER AV W	3RD MH E HOKA ST -4TH MH E HOKA ST	S-MH40012284	3.1	S-MH40012285	3.5	67.5	200	200	C	SANITARY	VC-VITRIFIED CLAY		3.5	2%		FD
12943	47	S-MA40013705	WHITTIER AV W	1ST MH W OF BOND ST TO MH AT WINONA ST	S-MH40012491	2.6	S-MH40012409	2.7	90.3	200	200	C	SANITARY	CO-CONCRETE		2.7	2%		FD
12944	48	S-MA50006927	WILTSHIRE BY (W LEG)	MH @ WILTSHIRE BY (NLG) TO MH AT WICKHAM RD	S-MH50005932	2.8	S-MH50005924	3.5	134.2	250	250	C	SANITARY	CO-CONCRETE		3.5	2%		FD
12945	49	S-MA40013791	YALE AV E	1ST MH W OF WABASHA ST TO MH AT WABASHA ST	S-MH40012473	1.9	S-MH40012472	2.3	76.4	200	200	C	SANITARY	PVC-POLYVINYL CHLORIDE		2.3	2%		FD

[1]Partially Deteriorated/Fully Deteriorated