

APPENDIX A

WORK PROGRAM

No. 476-2004

MAGER COMBINED SEWER DISTRICT

WORK PROGRAM - WASTEWATER SEWER
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50009328	L10	MH50007723	TE50001503	SHERWOOD PL	WWS	300	CO	28.10	4.68	0
MA50009329	L10	MH50007725	MH50007723	SHERWOOD PL	WWS	300	CO	80.00	4.68	0
MA50009374	M11	MH50007762	MH50007756	REGAL AV	WWS	300	PVC	89.60	3.61	0
MA50009376	N10	MH50007765	MH50007766	REGAL AV	WWS	300	PVC	87.10	2.82	0
MA50009378	M11	MH50007766	MH50007762	REGAL AV	WWS	300	PVC	89.80	3.16	0
MA50011361	I21	MH50009160	MH50009137	PULBERRY ST	WWS	300	CO	25.20	5.744	0
MA50011366	I21	MH50009160	MH50009164	ST VITAL RD	WWS	200	CO	7.62	5.548	0
MA50012008	J17	PL50002363	MH50009629	DUNKIRK DR	WWS	300	CO	24.00	4.04	12500
MA50012009	K17	MH50009634	MH50009629	DUNKIRK DR	WWS	300	CO	146.05	4.04	12500
MA50012165	J16	MH50009757	MH50009758	DUNKIRK DR BACK LANE	WWS	250	CO	39.40	0	0
MA50012166	J17	MH50009758	MH50009759	DUNKIRK DR BACK LANE	WWS	250	CO	46.70	0	0
MA50012167	J17	MH50009759	MH50009630	DUNKIRK DR BACK LANE	WWS	250	CO	23.80	3.87	0
MA50012174	K17	MH50009631	MH50009632	WEST FERNWOOD AV	WWS	250	POLYCONC	64.80	4.35	0
MA50012175	K17	MH50009632	MH50009633	WEST FERNWOOD AV	WWS	250	POLYCONC	67.00	4.36	0
MA50012176	K18	MH50009775	MH50009776	DUNKIRK DR BACK LANE	WWS	250	CO	68.30	3.538	0
MA50012177	K17	MH50009776	MH50009630	DUNKIRK DR BACK LANE	WWS	250	CO	130.70	3.94	0
MA50012191	K18	MH50009788	MH50009775	NORBERRY DR	WWS	250	CLAY	20.17	3.542	0
MA50012229	K20	MH50009825	MH50009826	ST VITAL RD	WWS	450	CO	78.60	2.637	0
MA50012230	K20	MH50009826	MH50009827	ST VITAL RD	WWS	450	CO	113.29	2.914	0
MA50012231	K19	MH50009827	MH50009828	ST VITAL RD	WWS	450	CLAY	119.61	3.323	0
MA50012236	J20	MH50009832	MH50009833	DUNKIRK DR	WWS	250	AC	14.00	2.762	12500
MA50012237	J20	MH50009833	MH50009825	DUNKIRK DR	WWS	250	AC	52.76	2.695	12500
MA50012244	K19	MH50009839	MH50009827	KENWOOD PL	WWS	250	ZZZ	101.57	2.844	0
MA50012273	J19	MH50009868	MH50009869	DUNKIRK DR	WWS	250	AC	87.80	2.887	12500
MA50012275	K20	MH50009870	MH50009871	BARRINGTON AV	WWS	300	CO	122.20	3.179	0
MA50012276	L20	MH50009871	MH50009872	BARRINGTON AV	WWS	300	CO	121.30	3.621	0
MA50012277	L20	MH50009872	MH50009806	BARRINGTON AV	WWS	300	CO	110.02	3.806	0
MA50012283	K20	PL50002421	MH50009870	BARRINGTON AV	WWS	300	CO	29.44	2.253	0
MA50012316	K21	MH50009909	MH50009910	MOORE AV	WWS	300	CO	150.16	3.384	0
MA50012317	L20	MH50009910	MH50009911	MOORE AV	WWS	300	CO	148.70	3.657	0
MA50012321	K21	PL50002429	MH50009915	WOODBURY DR	WWS	200	CO	33.47	3.793	12500
MA50012322	J21	MH50009915	MH50009916	WOODBURY DR	WWS	200	CO	99.40	4.184	0
MA50012323	J21	MH50009916	MH50009917	WOODBURY DR	WWS	200	CO	97.32	4.596	0
MA50012324	J21	MH50009917	MH50009918	WOODBURY DR	WWS	200	CO	94.20	4.596	0
MA50012325	I21	MH50009918	MH50009919	WOODBURY DR	WWS	200	CO	11.73	5.51	0
MA50012326	I21	MH50009920	MH50009921	BARRINGTON AV	WWS	200	CO	100.60	5.36	0
MA50012327	J21	MH50009922	MH50009923	BARRINGTON AV	WWS	200	CO	91.70	3.899	0
MA50012328	J21	MH50009923	MH50009924	BARRINGTON AV	WWS	200	CO	105.30	3.903	0
MA50012329	J21	MH50009924	MH50009925	BARRINGTON AV	WWS	200	CO	99.40	2.869	0
MA50012330	I21	MH50009925	MH50009921	BARRINGTON AV	WWS	200	CO	8.80	5.39	0
MA50012331	I21	MH50009919	MH50009921	PULBERRY ST	WWS	300	CO	75.67	5.85	0
MA50012332	I21	MH50009921	MH50009160	PULBERRY ST	WWS	300	CO	77.55	5.85	0
MA50012333	K21	MH50009909	MH50009926	MOORE AV	WWS	300	CO	112.66	4.033	0
MA50012334	J21	MH50009926	MH50009927	MOORE AV	WWS	300	CO	119.40	4.18	0
MA50012335	I21	MH50009164	MH50009928	ST VITAL RD	WWS	450	CO	47.85	2.231	0
MA50012336	I21	MH50009928	MH50009929	ST VITAL RD	WWS	450	CO	85.00	2.466	0
MA50012337	J20	MH50009929	MH50009930	ST VITAL RD	WWS	450	CO	97.82	2.756	0
MA50012338	J20	MH50009930	MH50009931	ST VITAL RD	WWS	450	CO	28.14	2.796	0
MA50012339	J20	MH50009931	MH50009825	ST VITAL RD	WWS	450	CO	53.00	2.637	0
MA50012347	G21	MH50009937	MH50009938	SANDEE BY	WWS	200	CO	40.30	3.56	0
MA50012348	I21	MH50009939	MH50009940	SALME DR	WWS	200	CO	43.44	3.136	0

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MA50012349	H20	MH50009940	MH50009941	SALME DR	WWS	200	CO	100.49	3.392	0
MA50012350	H20	MH50009941	MH50009938	SALME DR	WWS	200	CO	103.41	3.944	0
MA50012351	G21	MH50009942	MH50009943	SALME DR	WWS	200	CO	113.30	4.136	0
MA50012352	G21	MH50009943	MH50009944	SALME DR	WWS	200	CO	84.08	4.136	0
MA50012353	G21	MH50009944	MH50009938	SALME DR	WWS	200	CO	10.42	3.98	0
MA50012369	F22	MH50009961	MH50009962	ST VITAL RD	WWS	200	ZZZ	86.50	2.507	0
MA50012370	G22	MH50009962	MH50009963	ST VITAL RD	WWS	200	ZZZ	95.54	3.194	0
MA50012371	G22	MH50009963	MH50009964	ST VITAL RD	WWS	200	ZZZ	98.96	4.279	0
MA50012372	H22	MH50009964	MH50009965	ST VITAL RD	WWS	200	ZZZ	85.17	4.777	0
MA50012373	F21	MH50009966	MH50009967	VICTORIA CR	WWS	200	CO	46.11	2.862	0
MA50012374	G21	MH50009967	MH50009968	VICTORIA CR	WWS	200	CO	95.70	2.956	0
MA50012375	G22	MH50009968	MH50009963	VICTORIA CR	WWS	200	CO	93.89	5.729	0
MA50012376	H21	MH50009944	MH50009969	ST VITAL RD ROW	WWS	200	CO	87.21	4.855	0
MA50012377	H21	MH50009969	MH50009965	ST VITAL RD	WWS	200	CO	11.34	4.855	0
MA50012379	H21	MH50009965	MH50009971	ST VITAL RD	WWS	200	ZZZ	69.30	4.777	0
MA50012380	H21	MH50009971	MH50009972	ST VITAL RD	WWS	200	ZZZ	98.50	4.765	0
MA50012381	I21	MH50009972	MH50009160	ST VITAL RD	WWS	200	CO	93.40	5.244	0
MA50012384	H21	MH50009975	MH50009920	BARRINGTON AV	WWS	200	CO	100.01	5.856	0
MA50012385	I22	MH50009976	MH50009919	WAKEFIELD BY	WWS	200	CO	100.30	5.51	0
MA50012390	I22	MH50009978	MH50009919	PULBERRY ST	WWS	300	CO	75.27	5.92	0
MA50012401	L21	MH50009988	MH50009989	HASTINGS BV	WWS	300	CO	72.80	3.246	0
MA50012402	L21	MH50009989	MH50009983	HASTINGS BV	WWS	300	CO	72.55	3.937	0
MA50012489	K17	MH50009630	MH50009631	WEST FERNWOOD AV	WWS	250	POLYCONC	64.93	3.87	0
MA50013139	O10	MH50010554	MH50010555	REGAL AV	WWS	250	CO	152.42	3.791	0
MA50013140	O10	MH50010555	MH50010556	REGAL AV	WWS	250	CO	121.01	4.458	0
MA50013141	P10	MH50010557	MH50010554	REGAL AV	WWS	250	CO	161.82	3.051	0
MA50013142	N10	MH50010558	MH50010559	AVONDALE RD	WWS	250	CO	115.81	5.589	0
MA50013143	O10	MH50010560	MH50010558	AVONDALE RD	WWS	250	CO	143.32	3.411	0
MA50013144	P9	MH50010561	MH50010560	AVONDALE RD	WWS	250	CO	149.32	2.829	0
MA50013146	P9	PL50002588	MH50010561	AVONDALE RD	WWS	250	CO	39.81	2.08	0
MA50013147	P9	MH50010562	MH50010563	BANK AV	WWS	375	CLAY	107.41	3.814	0
MA50013148	O9	MH50010563	MH50010564	BANK AV	WWS	375	CLAY	118.81	3.716	0
MA50013149	O9	MH50010564	MH50010565	BANK AV	WWS	375	CLAY	115.71	3.894	0
MA50013150	N10	MH50010565	MH50010566	BANK AV	WWS	375	CLAY	115.71	5.64	0
MA50013153	P8	MH50010568	MH50010569	HANDYSIDE AV	WWS	250	CO	82.11	3.827	0
MA50013154	O8	MH50010569	MH50010570	HANDYSIDE AV	WWS	300	CO	81.61	4	0
MA50013155	O9	MH50010570	MH50010571	HANDYSIDE AV	WWS	300	CO	154.61	4.46	0
MA50013156	N9	MH50010571	MH50010567	HANDYSIDE AV	WWS	300	CO	157.31	6.291	0
MA50013157	P8	MH50010572	MH50010573	HUMBOLDT AV	WWS	300	CO	126.01	4.03	0
MA50013158	O8	MH50010573	MH50010574	HUMBOLDT AV	WWS	300	CO	134.41	4.88	0
MA50013159	N8	MH50010574	MH50010575	HUMBOLDT AV	WWS	300	CO	136.41	5.46	0
MA50013160	N9	MH50010575	MH50010576	HUMBOLDT AV	WWS	300	CO	123.11	6.24	0
MA50013162	O7	MH50010577	MH50010578	IMPERIAL AV	WWS	375	CLAY	141.31	4.7	0
MA50013163	N8	MH50010578	MH50010579	IMPERIAL AV	WWS	375	CLAY	128.91	4.92	0
MA50013164	N8	MH50010579	MH50010580	IMPERIAL AV	WWS	450	CLAY	152.41	5.65	0
MA50013165	M8	MH50010580	MH50010581	IMPERIAL AV	WWS	450	CO	30.20	5.647	0
MA50013166	O7	MH50010582	MH50010583	STRANMILLIS AV	WWS	375	CLAY	115.21	4.087	0
MA50013167	N7	MH50010583	MH50010584	STRANMILLIS AV	WWS	450	CLAY	112.81	4.15	0
MA50013168	N7	MH50010584	MH50010585	STRANMILLIS AV	WWS	450	CLAY	111.61	4.628	0
MA50013169	N8	MH50010585	MH50010586	STRANMILLIS AV	WWS	450	CO	82.11	5.085	0
MA50013171	O6	MH50010588	MH50010589	CLONARD AV	WWS	300	CO	122.21	3.56	0

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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50013172	N7	MH50010589	MH50010590	CLONARD AV	WWS	300	CO	112.21	4.03	0
MA50013173	N7	MH50010590	MH50010591	CLONARD AV	WWS	300	GSP	119.21	4.6	0
MA50013174	M7	MH50010591	MH50010592	CLONARD AV	WWS	300	CO	112.81	5.46	0
MA50013175	P6	MH50010593	MH50010594	CLONARD AV	WWS	250	CO	152.70	2.974	0
MA50013176	O6	MH50010594	MH50010588	CLONARD AV	WWS	300	CO	135.28	3.42	0
MA50013181	O7	MH50010598	MH50010582	STRANMILLIS AV	WWS	375	CLAY	91.04	3.704	0
MA50013182	Q6	PL50002590	MH50010595	STRANMILLIS AV	WWS	300	CLAY	10.00	2.197	0
MA50013183	P6	MH50010599	MH50010600	IMPERIAL AV	WWS	200	AC	156.40	3.82	0
MA50013184	P7	MH50010600	MH50010601	IMPERIAL AV	WWS	300	CLAY	102.20	3.591	0
MA50013185	O7	MH50010601	MH50010577	IMPERIAL AV	WWS	300	CLAY	73.98	3.607	0
MA50013186	Q7	MH50010602	MH50010603	HUMBOLDT AV	WWS	200	CO	54.48	3.155	0
MA50013187	Q7	MH50010603	MH50010604	HUMBOLDT AV	WWS	300	CO	63.40	3.514	0
MA50013188	P8	MH50010604	MH50010572	HUMBOLDT AV	WWS	300	CO	122.80	3.838	0
MA50013189	Q8	PL50002591	MH50010605	HANDYSIDE AV	WWS	250	CO	45.10	0	0
MA50013190	P8	MH50010605	MH50010606	HANDYSIDE AV	WWS	250	CO	79.00	4.408	0
MA50013191	P8	MH50010606	MH50010568	HANDYSIDE AV	WWS	250	CO	73.28	4.218	0
MA50013192	Q8	MH50010607	MH50010608	BANK AV	WWS	300	CO	101.50	2.612	0
MA50013193	P8	MH50010608	MH50010562	BANK AV	WWS	250	CO	108.68	3.814	0
MA50013194	Q8	MH50010609	MH50010610	BANK AV	WWS	200	CO	37.55	3.03	0
MA50013195	Q8	MH50010610	MH50010607	BANK AV	WWS	200	CO	9.98	2.652	0
MA50013196	R8	MH50010611	MH50010609	EGERTON RD	WWS	200	AC	41.38	3.124	0
MA50013197	Q8	MH50010612	MH50010609	EGERTON RD	WWS	200	AC	35.91	3.395	0
MA50013198	Q8	MH50010613	MH50010612	EGERTON RD	WWS	200	AC	27.39	3.395	0
MA50013379	P5	MH50010746	MH50010747	EGERTON RD	WWS	250	CO	41.80	2.425	0
MA50013380	P5	MH50010748	MH50010747	EGERTON RD	WWS	250	CO	26.70	2.406	0
MA50013381	O5	MH50010747	MH50010749	DUNRAVEN AV	WWS	250	CO	47.20	2.406	0
MA50013383	O5	MH50010749	MH50010750	DUNRAVEN AV	WWS	250	CO	118.03	2.659	0
MA50013384	O5	MH50010750	MH50010751	DUNRAVEN AV	WWS	250	CO	104.50	3.182	0
MA50013385	N5	MH50010751	MH50010752	DES MEURONS ST	WWS	300	CO	84.20	3.613	0
MA50013386	N5	MH50010753	MH50010752	HARROWBY AV	WWS	300	CLAY	107.60	3.6	0
MA50013388	O5	MH50010755	MH50010754	HARROWBY AV	WWS	250	CLAY	51.07	2.062	0
MA50013390	P4	MH50010756	MH50010755	EGERTON RD	WWS	250	CO	26.10	2.024	0
MA50013464	L6	MH50010800	MH50010792	HARROWBY AV	WWS	450	CO	26.19	6.165	20000
MA50013465	N6	MH50010802	MH50010801	HARROWBY AV	WWS	450	ZZZ	122.58	0.28	0
MA50013466	N5	MH50010752	MH50010802	HARROWBY AV	WWS	375	CLAY	112.96	4.131	0
MA50013467	M6	MH50010803	TE50002683	HARROWBY AV	WWS	300	ZZZ	26.00	1.22	0
MA50013470	M6	PL50002686	MH50010804	OVERTON ST	WWS	250	CO	16.80	2.105	0
MA50013471	N6	PL50005854	MH50010804	OVERTON ST	WWS	250	CO	30.62	2.105	0
MA50013472	M6	MH50010804	MH50010805	DUNRAVEN AV	WWS	300	CO	63.53	2.25	0
MA50013473	M7	MH50010805	MH50010806	DUNRAVEN AV	WWS	300	CO	71.00	2.827	0
MA50013474	M7	MH50010806	TE50002688	DUNRAVEN AV	WWS	300	CO	19.80	2.827	20000
MA50013573	M9	MH50010875	MH50010876	SHERWOOD PL	WWS	300	CO	109.70	2.77	0
MA50013574	M10	MH50010876	MH50007725	SHERWOOD PL	WWS	300	CO	109.68	3.29	0
MA50013578	M10	MH50010880	MH50010881	VARENNES AV	WWS	300	CLAY	84.11	0	0
MA50013581	N10	MH50010883	TE50002718	VARENNES AV	WWS	300	CLAY	43.51	0	0
MA50014461	R15	MH50011578	MH50011579	WINGHAM AV	WWS	300	CO	124.13	3.014	0
MA50014462	Q15	MH50011579	MH50011580	WINGHAM AV	WWS	300	CO	39.40	3.081	0
MA50014463	R15	MH50011581	MH50011578	CLAYTON DR	WWS	250	CO	105.06	3.008	0
MA50014464	R16	MH50011581	MH50011582	BAYFIELD AV	WWS	250	CO	124.14	2.658	0
MA50014465	Q16	MH50011582	MH50011579	ROW	WWS	250	ZZZ	105.06	3.014	0
MA50014466	R16	MH50011583	MH50011584	BERRYDALE AV	WWS	300	CO	130.00	2.281	0

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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50014467	Q16	MH50011584	MH50011585	BERRYDALE AV	WWS	300	CO	37.50	2.964	0
MA50014468	S16	MH50011586	MH50011587	CLAYTON DR	WWS	250	CO	11.30	2.06	0
MA50014469	S16	MH50011587	MH50011583	CLAYTON DR	WWS	250	CO	64.42	2.33	0
MA50014470	R16	MH50011588	MH50011586	CLAYTON DR	WWS	250	CLAY	51.70	2.103	0
MA50014472	R17	MH50011588	MH50011589	CLAYTON DR	WWS	250	CLAY	16.80	2.103	0
MA50014473	R17	MH50011589	MH50011590	CLAYTON DR	WWS	250	CLAY	111.30	2.711	0
MA50014474	Q17	MH50011590	MH50011585	ST ANNES RD	WWS	250	CO	76.67	2.92	15000
MA50014475	R16	MH50011591	MH50011583	BERRYDALE AV	WWS	300	CO	97.30	2.281	0
MA50014478	Q16	MH50011585	MH50011592	BERRYDALE AV	WWS	300	CO	19.73	2.964	15000
MA50014479	Q17	MH50011592	MH50011593	BERRYDALE AV	WWS	300	CO	113.10	3.45	0
MA50014480	Q17	MH50011593	MH50011594	BERRYDALE AV	WWS	300	CO	123.10	3.815	0
MA50014481	P17	MH50011594	MH50011595	BERRYDALE AV	WWS	300	CO	124.70	4.904	0
MA50014489	Q18	MH50011600	MH50011601	HINDLEY AV	WWS	250	CO	119.20	3.893	0
MA50014490	Q19	MH50011601	MH50011597	HINDLEY AV	WWS	250	CO	111.86	3.74	0
MA50014491	R18	MH50011602	MH50011600	HINDLEY AV	WWS	300	CO	107.33	3.552	0
MA50014492	R18	MH50011603	MH50011602	HINDLEY AV	WWS	300	CO	116.40	3.161	0
MA50014493	S17	MH50011604	MH50011603	HINDLEY AV	WWS	250	CO	122.30	2.795	0
MA50014494	S17	MH50011605	MH50011604	HINDLEY AV	WWS	250	CO	89.30	2.29	0
MA50014495	R18	MH50011606	MH50011607	WORTHINGTON AV	WWS	300	CO	16.50	2.697	12500
MA50014496	R19	MH50011607	MH50011608	WORTHINGTON AV	WWS	300	CO	93.60	3.023	0
MA50014498	Q19	MH50011609	MH50011610	WORTHINGTON AV	WWS	300	CO	121.90	3.602	0
MA50014499	Q20	MH50011611	MH50011610	WORTHINGTON AV	WWS	300	CO	116.70	3.602	0
MA50014500	P20	MH50011612	MH50011613	WORTHINGTON AV	WWS	250	CO	92.00	2.515	0
MA50014501	P20	MH50011613	MH50011611	WORTHINGTON AV	WWS	250	CO	120.81	2.72	0
MA50014506	S18	MH50011618	MH50011619	WORTHINGTON AV	WWS	300	CO	100.60	2.25	0
MA50014507	S18	MH50011619	MH50011620	WORTHINGTON AV	WWS	300	CO	57.50	2.361	0
MA50014508	S19	MH50011620	MH50011606	WORTHINGTON AV	WWS	300	CO	37.98	2.498	0
MA50014512	S19	MH50011624	MH50011606	ST ANNES RD	WWS	250	CO	67.60	2.838	12500
MA50014542	P20	MH50011649	MH50011612	FITZPATRICK RD	WWS	250	CO	101.90	2.059	0
MA50014544	O20	MH50011652	MH50011612	WORTHINGTON AV	WWS	300	CO	144.70	2.699	0
MA50014545	N21	MH50011652	MH50011653	WORTHINGTON AV	WWS	300	CO	144.30	2.909	0
MA50014634	G13	MH50011735	MH50011736	OAKCREST PL	WWS	200	CO	67.50	2.784	0
MA50014635	F13	MH50011736	MH50011737	NORFOLK AV	WWS	200	CO	13.70	2.859	0
MA50014636	G13	MH50011737	TE50003100	NORFOLK AV	WWS	200	CO	84.74	2.899	0
MA50014650	H26	MH50011753	MH50011754	DARWIN ST	WWS	250	ZZZ	71.51	4.207	0
MA50014651	G26	MH50011756	MH50011758	ARDEN AV	WWS	200	CO	115.43	4.542	0
MA50014653	H26	MH50011758	MH50011754	ARDEN AV	WWS	200	CO	116.00	4.542	0
MA50014655	H25	MH50011754	MH50011759	ARDEN AV	WWS	200	CO	128.50	4.287	0
MA50014663	G25	MH50011767	MH50011768	TRITON BY	WWS	200	CO	69.67	3.017	0
MA50014664	G25	MH50011768	MH50011769	TRITON BY	WWS	200	CO	74.14	3.21	0
MA50014665	G25	MH50011769	MH50011770	TRITON BY	WWS	200	CO	76.80	3.623	0
MA50014666	G25	MH50011771	MH50011772	PARKVILLE DR	WWS	200	CO	62.84	3.515	0
MA50014667	G25	MH50011772	MH50011770	PARKVILLE DR	WWS	200	CO	77.70	3.629	0
MA50014671	F26	MH50011777	MH50011778	HARDY BY	WWS	250	PVC	71.76	2.97	0
MA50014672	F26	MH50011778	MH50011773	HARDY BY	WWS	250	PVC	53.73	3.87	0
MA50014679	G25	PL50003103	MH50011577	ARDEN AV	WWS	200	ZZZ	19.00	3.834	0
MA50014680	F26	TE50003104	MH50011773	HARDY BY	WWS	250	CO	7.84	3.68	0
MA50014681	F26	MH50011785	TE50003104	RIVER RD	WWS	200	AC	53.15	2.76	0
MA50014682	F25	TE50003104	MH50011577	RIVER RD	WWS	200	CO	77.03	0	0
MA50014707	F25	MH50011809	MH50011810	RIVER LN	WWS	200	CO	54.55	3.984	0
MA50014708	F25	MH50011810	MH50011811	RIVER RD	WWS	200	CO	40.18	4.441	0

WORK PROGRAM - WASTEWATER SEWER
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50014709	G25	MH50011811	MH50011812	RIVER RD	WWS	200	CO	92.70	4.441	0
MA50014710	G24	MH50011812	MH50011813	RIVER RD	WWS	200	CO	93.10	4.915	0
MA50014711	G24	MH50011813	MH50011814	RIVER RD	WWS	200	CO	108.00	4.915	0
MA50014712	F25	MH50011577	MH50011810	RIVER RD	WWS	200	CO	45.15	3.96	0
MA50014947	I22	MH50012012	MH50009976	WAKEFIELD BY	WWS	200	CO	101.90	3.509	0
MA50014948	H22	MH50012013	MH50012014	FLYNN ST	WWS	200	CO	24.13	3.827	0
MA50014949	H22	MH50012014	MH50012015	FLYNN ST	WWS	200	CO	75.55	4.602	0
MA50014950	H22	MH50012016	MH50012014	TALON BY	WWS	200	CO	117.83	3.797	0
MA50014951	G23	MH50012016	MH50012017	TALON BY	WWS	200	CO	126.90	2.941	0
MA50014952	G23	MH50012017	MH50012018	TALON BY	WWS	200	CO	75.57	3.585	0
MA50014953	G22	MH50012018	MH50012019	BARRINGTON AV	WWS	200	CO	122.45	4.237	0
MA50014954	H22	MH50012019	MH50012015	BARRINGTON AV	WWS	200	CO	122.20	4.587	0
MA50014955	G22	MH50012020	MH50012018	TALON BY	WWS	200	CO	25.09	3.585	0
MA50014983	H22	MH50012012	MH50009975	WAKEFIELD BY	WWS	200	CO	75.63	3.965	0
MA50014984	H22	MH50012015	MH50009975	BARRINGTON AV	WWS	200	CO	88.36	4.587	0
MA50014989	I25	MH50012030	MH50012031	PARKVILLE BY ROW	WWS	450	PVC	80.26	5.42	0
MA50014990	I24	MH50012031	MH50012032	PARKVILLE BY	WWS	200	CO	7.00	5.42	0
MA50014992	H24	MH50012033	MH50012034	CABOT CR	WWS	250	AC	9.80	5.605	0
MA50014993	H24	MH50012034	MH50012035	CABOT CR	WWS	250	AC	111.74	5.641	0
MA50014994	H23	MH50012035	MH50012036	CABOT CR	WWS	300	AC	39.39	5.641	0
MA50014995	H23	MH50012036	MH50012037	CABOT CR	WWS	300	AC	75.55	5.757	0
MA50014996	H23	MH50012037	MH50012038	MOORE AV	WWS	300	AC	127.80	6.342	0
MA50014997	I22	MH50012038	MH50012039	MOORE AV	WWS	300	CO	121.30	6.46	0
MA50015002	F22	PL50003198	MH50009961	VICTORIA CR	WWS	200	CO	16.80	3.078	0
MA50015003	F23	MH50009961	MH50012045	RIVER RD	WWS	200	CO	116.30	3.261	0
MA50015004	F23	MH50012045	MH50012046	RIVER RD	WWS	200	CO	13.70	4.968	0
MA50015005	G23	MH50012046	MH50011814	RIVER RD	WWS	200	CO	103.28	4.84	0
MA50015006	F23	MH50012047	MH50012046	RIVER PARK CS	WWS	250	CO	34.01	2.987	0
MA50015007	G23	MH50011814	MH50012048	MOORE AV	WWS	200	CO	90.91	5.208	0
MA50015008	G23	MH50012048	MH50012049	MOORE AV	WWS	200	CO	91.40	5.175	0
MA50015009	H23	MH50012049	MH50012037	MOORE AV	WWS	200	CO	93.30	5.66	0
MA50015013	I22	MH50012039	MH50009978	MOORE AV	WWS	300	CO	123.57	6.46	0
MA50015017	I25	MH50011759	MH50012030	ARDEN AV	WWS	200	CO	130.70	5.168	0
MA50015020	H25	MH50012056	MH50012057	PARKVILLE BY	WWS	200	CO	75.52	4.204	0
MA50015022	H25	MH50012056	MH50012059	PARKVILLE BY	WWS	200	CO	122.90	3.246	0
MA50015023	I25	MH50012059	MH50012031	PARKVILLE BY	WWS	200	CO	126.83	5.4	0
MA50015024	G25	MH50011770	MH50012057	PARKVILLE DR	WWS	200	CO	82.10	4.174	0
MA50015025	H24	MH50012057	MH50012060	PARKVILLE DR	WWS	200	CO	135.02	4.174	0
MA50015026	H24	MH50012060	MH50012061	PARKVILLE DR	WWS	200	CO	122.20	5.517	0
MA50015027	I24	MH50012032	MH50012061	PARKVILLE BY	WWS	200	CO	75.47	5.42	0
MA50015028	I24	MH50012061	MH50012033	CABOT CR ROW	WWS	250	ZZZ	66.08	5.6	0
MA50015029	H24	MH50012062	MH50012063	CABOT CR	WWS	200	CO	128.00	3.617	0
MA50015030	H24	MH50012063	MH50012034	CABOT CR	WWS	200	CO	128.70	5.072	0
MA50015033	G25	MH50012065	MH50012066	TRITON BY	WWS	200	CO	44.96	3.153	0
MA50015034	G24	MH50012066	MH50012067	TRITON BY	WWS	200	CO	96.78	3.153	0
MA50015037	H23	MH50012069	MH50012036	TRITON BY	WWS	200	CO	109.70	5.476	0
MA50015040	I24	MH50012071	MH50012061	PARKVILLE DR	WWS	250	CO	82.00	5.53	0
MA50015041	H23	MH50012072	MH50012035	CABOT CR CATWALK	WWS	200	CO	83.82	5.641	0
MA50015043	J24	MH50012073	MH50012074	ARDEN AV	WWS	200	CO	125.00	3.648	0
MA50015044	J24	MH50012074	MH50012075	ARDEN AV	WWS	200	CO	124.70	4.06	0
MA50015045	I25	MH50012075	MH50012030	ARDEN AV	WWS	200	CO	129.30	5.159	0

WORK PROGRAM - WASTEWATER SEWER
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50015052	J22	MH50009927	MH50009978	MOORE AV	WWS	300	CO	122.06	3.91	0
MA50015058	G24	MH50012067	MH50012068	TRITON BY	WWS	200	CO	75.50	3.801	0
MA50015059	G23	MH50012068	MH50012069	TRITON BY	WWS	200	CO	108.50	4.177	0
MA50015064	I22	MH50012081	MH50012082	CROFTON BY	WWS	200	CO	96.91	3.176	0
MA50015065	I22	MH50012082	MH50012083	CROFTON BY	WWS	200	CO	95.50	3.849	0
MA50015067	H23	MH50012084	MH50012072	CROFTON BY	WWS	200	CO	40.47	4.21	0
MA50015069	J23	MH50012086	MH50012087	CROFTON BY	WWS	200	CO	78.40	2.862	0
MA50015070	I23	MH50012087	MH50012088	CROFTON BY	WWS	200	CO	93.70	3.873	0
MA50015071	I23	MH50012088	MH50012089	CROFTON BY	WWS	200	CO	97.76	4.092	0
MA50015072	I23	MH50012089	MH50012072	CROFTON BY	WWS	200	CO	36.21	4.092	0
MA50015075	J23	MH50012092	MH50012093	WEAVER BY	WWS	200	CO	93.50	2.799	0
MA50015076	I23	MH50012093	MH50012094	WEAVER BY	WWS	200	CO	85.90	3.058	0
MA50015077	I23	MH50012094	MH50012095	WEAVER BY	WWS	200	CO	87.41	4.094	0
MA50015078	I24	MH50012095	MH50012071	WEAVER BY	WWS	200	CO	76.60	4.737	0
MA50015079	J23	MH50012096	MH50012097	PARKVILLE DR	WWS	200	CO	76.75	3.003	0
MA50015080	J23	MH50012097	MH50012098	PARKVILLE DR	WWS	200	CO	98.90	3.311	0
MA50015081	I24	MH50012098	MH50012071	PARKVILLE DR	WWS	200	CO	92.98	4.402	0
MA50015083	J24	MH50012100	MH50012101	WEAVER BY	WWS	200	CO	92.60	3.11	0
MA50015084	J24	MH50012101	MH50012102	WEAVER BY	WWS	200	CO	97.20	3.31	0
MA50015085	I24	MH50012102	MH50012103	WEAVER BY	WWS	200	CO	82.89	4.2	0
MA50015086	I24	MH50012103	MH50012071	WEAVER BY	WWS	200	CO	76.60	4.197	0
MA50015087	L23	MH50012104	MH50012105	ARDEN AV	WWS	200	CO	113.00	2.72	0
MA50015088	K24	MH50012105	MH50012106	ARDEN AV	WWS	200	CO	75.90	2.605	0
MA50015089	K24	MH50012106	MH50012073	ARDEN AV	WWS	200	CO	76.38	3.525	0
MA50015093	L25	MH50012108	MH50012109	ST MARYS RD	WWS	300	CO	97.60	3.325	20000
MA50015094	K24	MH50012109	MH50012110	ST MARYS RD	WWS	375	CO	17.92	3.335	20000
MA50015095	L24	MH50012110	MH50012111	ST MARYS RD	WWS	375	CO	115.48	3.529	20000
MA50015096	L23	MH50012111	MH50012112	ST MARYS RD	WWS	450	CO	114.88	3.706	20000
MA50015097	L23	MH50012112	MH50012113	ST MARYS RD	WWS	450	CO	62.10	3.725	20000
MA50015098	L23	MH50012113	MH50012114	ST MARYS RD	WWS	450	CO	51.91	3.774	20000
MA50015099	M22	MH50012114	MH50012115	ST MARYS RD	WWS	450	CO	82.15	3.78	20000
MA50015100	M22	MH50012115	MH50012116	ST MARYS RD	WWS	450	CO	22.01	3.802	20000
MA50015101	L22	MH50012116	MH50009982	ST MARYS RD	WWS	600	CO	90.64	4.013	20000
MA50015102	L23	PL50003216	MH50012112	ARDEN AV	WWS	200	CO	1.53	3.715	20000
MA50015103	L23	MH50012117	MH50012113	DAKOTA ST	WWS	250	CO	121.89	3.725	12500
MA50015104	L24	MH50012118	MH50012119	CHESTERFIELD AV	WWS	200	CO	82.00	5.301	0
MA50015105	M24	MH50012119	MH50012120	CHESTERFIELD AV	WWS	250	CO	78.60	2.922	0
MA50015106	L24	MH50012120	MH50012110	CHESTERFIELD AV	WWS	250	CO	61.36	3.335	0
MA50015107	L24	MH50012121	MH50012122	CHESTERFIELD AV BACK LANE	WWS	250	CO	64.38	0.605	0
MA50015108	L24	MH50012122	MH50012120	CHESTERFIELD AV AT BACK LANE	WWS	250	CO	57.87	1.208	0
MA50015109	K23	MH50012123	MH50012124	PARKVILLE DR	WWS	300	CO	139.30	2.45	0
MA50015110	K23	MH50012124	MH50012125	PARKVILLE DR	WWS	250	CO	85.06	3.018	0
MA50015113	L22	MH50012127	MH50012128	MARALBO AV W	WWS	250	CO	66.70	2.691	0
MA50015114	L22	MH50012128	MH50012129	MARALBO AV W	WWS	250	CO	70.90	3.307	0
MA50015115	L21	MH50012129	MH50009982	MARALBO AV W	WWS	250	CO	20.65	3.964	20000
MA50015116	J22	PL50003217	MH50012130	HASTINGS SCHOOL YARD	WWS	200	CO	48.80	2.63	0
MA50015117	K22	MH50012130	MH50012131	HASTINGS SCHOOL YARD	WWS	250	CO	91.40	2.68	0
MA50015118	K22	MH50012131	MH50012132	HASTINGS BV	WWS	250	CO	71.60	3.05	0
MA50015119	K22	MH50012132	MH50009988	HASTINGS BV	WWS	250	CO	151.37	3.248	0
MA50015603	N8	MH50012499	MH50012498	PILGRIM AV	WWS	375	CLAY	110.47	3.78	0
MA50015605	O8	MH50012501	MH50012499	PILGRIM AV	WWS	375	CLAY	104.93	3.45	0

WORK PROGRAM - WASTEWATER SEWER
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50015606	O8	MH50012502	MH50012501	PILGRIM AV	WWS	300	CLAY	124.10	3.31	0
MA50015607	O7	MH50012503	MH50012503	PILGRIM AV	WWS	300	CLAY	9.50	3.31	0
MA50015608	P7	MH50012504	MH50012503	PILGRIM AV	WWS	300	CLAY	93.24	3.15	0
MA50015609	P7	MH50012505	MH50012504	PILGRIM AV	WWS	300	CLAY	85.80	2.92	0
MA50015610	P7	MH50012506	MH50012505	PILGRIM AV	WWS	250	CO	110.00	2.844	0
MA50015613	Q6	MH50012507	MH50010599	IMPERIAL AV	WWS	200	AC	15.56	3.146	0
MA50015614	Q6	MH50010741	MH50012507	IMPERIAL AV	WWS	200	AC	47.53	3.417	0
MA50015617	K18	PL50003401	MH50012510	DUNKIRK DR	WWS	250	AC	1.20	0	12500
MA50015620	N6	MH50012511	MH50012512	BLENHEIM AV	WWS	300	CO	152.13	3.037	0
MA50015621	O6	MH50012509	MH50012511	BLENHEIM AV	WWS	300	PVC	140.23	2.66	0
MA50015622	O6	MH50012508	MH50012509	BLENHEIM AV	WWS	250	CO	114.60	2.222	0
MA50015623	N6	MH50012512	MH50012513	BLENHEIM AV	WWS	300	CO	110.00	3.829	0
MA50015625	M7	MH50012514	MH50010829	BLENHEIM AV	WWS	300	CO	96.33	4.91	0
MA50015626	P5	PL50003400	MH50012508	BLENHEIM AV	WWS	250	CO	1.51	1.872	0
MA50015627	M6	MH50012515	MH50012516	OVERTON ST	WWS	200	CO	83.41	3.01	0
MA50015628	M6	MH50012516	TE50003406	OVERTON ST	WWS	200	CO	4.06	3.01	0
MA50015629	M5	MH50010801	MH50010800	HARROWBY AV	WWS	450	CO	118.90	4.694	0
MA50015635	M7	MH50012517	TE50003408	OVERTON ST	WWS	200	CO	42.80	3.264	0
MA50015667	N21	MH50011653	MH50012529	WORTHINGTON AV	WWS	300	CO	147.30	3.088	0
MA50015668	M21	MH50012529	MH50012530	WORTHINGTON AV	WWS	300	CO	146.40	3.221	0
MA50015713	M24	MH50012559	MH50012118	CHESTERFIELD AV	WWS	200	CO	86.63	5.465	0
MA50017308	Q12	MH50013558	MH50013561	NIAKWA RD	WWS	250	CO	73.50	4.32	0
MA50017309	Q12	MH50013583	MH50013558	NIAKWA RD	WWS	250	CO	46.78	3.839	0
MA50017310	Q12	MH50013600	MH50013583	NIAKWA RD	WWS	250	AC	29.10	3.65	0
MA50017311	Q12	MH50013619	MH50013600	NIAKWA RD	WWS	250	AC	44.58	3.59	0
MA50017312	R12	MH50013639	MH50013619	NIAKWA RD	WWS	250	AC	20.38	3.584	0
MA50017313	R12	MH50013682	MH50013639	NIAKWA RD	WWS	250	AC	74.26	4.002	0
MA50017314	P12	MH50013722	MH50013561	SEAGRIM RD	WWS	525	CO	55.20	2.479	0
MA50017315	P12	MH50013561	MH50013752	NIAKWA RD	WWS	300	CO	9.14	4.32	0
MA50017318	P12	MH50013752	MH50013774	NIAKWA RD	WWS	300	CO	67.90	4.308	0
MA50017319	P12	MH50013774	MH50013804	NIAKWA RD	WWS	300	CO	70.06	4.4	0
MA50017320	P13	MH50013804	MH50013807	NIAKWA RD	WWS	300	CO	40.30	4.573	0
MA50017915	M20	MH50014436	MH50009911	SADLER AV	WWS	300	CO	150.01	4.185	0
MA50017916	O19	MH50014437	MH50014438	FITZPATRICK RD	WWS	250	CO	101.80	1.909	0
MA50017917	O19	MH50014438	MH50014439	SADLER AV	WWS	250	CO	118.30	2.602	0
MA50017918	Q19	MH50014440	MH50011597	HINDLEY AV	WWS	450	CO	22.18	3.993	0
MA50017919	P19	MH50014441	MH50014440	HINDLEY AV	WWS	250	CO	121.56	3.579	0
MA50017920	P19	MH50014442	MH50014441	HINDLEY AV	WWS	250	CO	113.70	3.117	0
MA50017921	O19	MH50014443	MH50014442	HINDLEY AV	WWS	200	CO	95.63	2.238	0
MA50017922	O20	MH50014443	MH50014444	HINDLEY AV	WWS	250	CO	137.23	2.417	0
MA50017923	M21	MH50014445	MH50009983	HINDLEY AV	WWS	300	CO	122.39	0	0
MA50017924	M21	MH50014446	MH50014445	HINDLEY AV	WWS	300	CO	124.48	3.109	0
MA50017925	N20	MH50014447	MH50014446	HINDLEY AV	WWS	300	CO	112.80	2.886	0
MA50017926	N20	MH50014444	MH50014447	HINDLEY AV	WWS	250	CO	124.77	2.682	0
MA50017928	M18	MH50014449	MH50014448	POPLARWOOD AV	WWS	250	CO	148.28	0	0
MA50017929	N18	MH50014450	MH50014451	POPLARWOOD AV	WWS	250	CO	73.90	2.64	0
MA50017930	N18	MH50014451	MH50014449	POPLARWOOD AV	WWS	250	CO	76.50	0	0
MA50017949	O17	PL50004235	MH50014467	PORTLAND AV	WWS	200	ZZZ	2.00	0	0
MA50017950	O17	MH50014467	MH50014468	PORTLAND AV	WWS	200	ZZZ	62.60	0	0
MA50017951	O17	MH50014468	MH50014466	PORTLAND AV	WWS	200	ZZZ	101.52	0	0
MA50018183	F26	PL50004330	MH50011785	RIVER RD	WWS	200	AC	1.00	2.756	0

WORK PROGRAM - WASTEWATER SEWER
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50018474	M22	MH50012530	MH50012116	WORTHINGTON AV	WWS	300	CO	135.30	3.787	0
MA50018539	S18	MH50014877	MH50011618	WORTHINGTON AV	WWS	300	CO	97.76	1.69	0
MA50018542	I23	MH50012083	MH50012084	CROFTON BY	WWS	200	CO	97.13	4.21	0
MA50018697	O17	PL50004566	MH50015008	POPLARWOOD AV	WWS	250	CO	2.00	2.5	0
MA50018698	N17	MH50015008	MH50014450	POPLARWOOD AV	WWS	250	CO	128.50	2.64	0
MA50018716	O18	MH50014439	MH50015022	SADLER AV	WWS	250	CO	125.55	3.315	0
MA50018717	P18	MH50015022	MH50015023	SADLER AV	WWS	300	CO	108.00	4.006	0
MA50018718	R17	MH50015024	MH50015025	SADLER AV	WWS	300	CO	123.10	2.917	0
MA50018719	R17	MH50015025	MH50015026	SADLER AV	WWS	300	CO	67.00	2.917	0
MA50018720	R17	MH50015026	MH50015027	SADLER AV	WWS	300	CO	67.00	3.145	0
MA50018721	Q18	MH50015027	MH50015028	SADLER AV	WWS	300	CO	127.00	3.48	0
MA50018722	P18	MH50015028	MH50015023	SADLER AV	WWS	300	CO	100.00	4.006	0
MA50018724	P18	MH50015023	MH50011595	ST GEORGE RD	WWS	450	CO	151.12	5.135	0
MA50018725	N19	MH50014438	MH50015029	SADLER AV	WWS	300	CO	122.98	2.723	0
MA50018726	N19	MH50015029	MH50015030	SADLER AV	WWS	300	CO	124.00	3.179	0
MA50018727	M20	MH50015030	MH50014436	SADLER AV	WWS	300	CO	139.78	3.504	0
MA50018728	S17	MH50015031	MH50015024	SADLER AV	WWS	300	CO	128.93	2.195	0
MA50018730	S16	MH50015032	MH50015033	OUSTIC AV E	WWS	250	CO	43.98	2.079	0
MA50018731	S16	MH50015033	MH50011586	CLAYTON DR	WWS	250	CO	20.00	2.043	0
MA50018733	T18	MH50015034	MH50014876	MARLENE ST	WWS	250	CO	41.65	4.778	0
MA50018740	N21	MH50015041	MH50015042	MARALBO ST E	WWS	250	AC	15.50	3.11	0
MA50018741	N21	MH50015042	MH50015043	MARALBO ST E	WWS	250	AC	87.00	2.8	0
MA50018742	M21	MH50015043	MH50015044	MARALBO ST E	WWS	250	AC	106.60	2.77	0
MA50018743	M21	MH50015044	MH50015045	MARALBO ST E	WWS	250	AC	92.35	3.73	0
MA50018744	M22	MH50015045	MH50009982	MARALBO ST E	WWS	250	AC	38.90	3.975	0
MA50018784	M23	MH50015061	MH50015062	DAKOTA ST	WWS	250	AC	75.52	2.265	12500
MA50018785	M23	MH50015063	MH50015062	BELIVEAU RD	WWS	200	CO	95.63	3.124	0
MA50018788	M23	MH50015062	MH50012117	DAKOTA ST	WWS	250	CO	42.80	3.29	12500
MA50018789	M23	MH50012559	MH50015061	DAKOTA ST	WWS	250	CO	6.14	2.157	12500
MA50019835	M10	MH50010881	MH50015140	VARENNES AV	WWS	300	CLAY	71.31	0	0
MA50019836	N10	MH50015140	MH50010883	VARENNES AV	WWS	300	CLAY	9.20	0	0
MA70001556	L22	MH50012125	MH70000667	PARKVILLE DR	WWS	300	ZZZ	92.85	2.878	0
MA70001563	L22	MH70000667	MH70000668	PARKVILLE DR	WWS	300	ZZZ	115.40	3.32	0
MA70001564	L22	MH70000668	MH50012116	PARKVILLE DR	WWS	300	ZZZ	19.13	3.61	20000
MA70003281	Q19	MH50011610	MH50014440	ST GEORGE RD	WWS	450	CO	151.20	3.7	0
MA70007111	L19	MH50009828	MH70003104	ST VITAL RD	WWS	450	CLAY	110.30	3.326	0
MA70007112	L19	MH70003104	MH50009807	ST MARYS RD	WWS	450	CLAY	11.00	3.912	20000
MA70012068	P19	MH50011597	MH70004841	ST GEORGE RD	WWS	450	CO	71.32	2.803	0
MA70012070	Q18	TE70005344	MH50014483	ST GEORGE RD	WWS	250	PVC	4.90	0	0
MA70012071	P18	MH70004841	TE70005344	ST GEORGE RD	WWS	450	CO	14.57	0	0
MA70012072	Q18	TE70005344	MH50015023	ST GEORGE RD	WWS	450	CO	65.22	3.4	0
MA70012304	R19	MH50011608	MH50011609	WORTHINGTON AV	WWS	300	CO	121.90	3.02	0
MA70013430	O5	MH50010754	MH50010753	HARROWBY AV	WWS	250	CLAY	122.49	2.373	0
MA70018001	M7	MH50010586	MH50010587	STRANMILLIS AV	WWS	450	PVC	30.10	6.11	0
MA70018738	E21	PL70008759	MH70006824	DELMAR ST	WWS	250	PVC	87.98	3.73	0
MA70018740	E20	MH70006825	MH70006826	VICTORIA GR	WWS	250	PVC	98.45	3.03	0
MA70018741	E20	MH70006826	MH70006824	VICTORIA GR	WWS	250	PVC	101.63	3.4	0
MA70018742	F20	MH70008914	MH70006824	VICTORIA CR	WWS	250	PVC	103.50	3.75	0
MA70018743	F21	MH70006824	MH70006827	VICTORIA CR	WWS	250	PVC	109.79	3.77	0
MA70018744	F21	MH70006827		VICTORIA CR	WWS	250	PVC	114.34	3.31	0
MA70024706	J17	MH50009629	MH50009630	WEST FERNWOOD AV	WWS	300	PVC	68.51	4.13	0

WORK PROGRAM - WASTEWATER SEWER
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA70025885	F20	MH70008912	MH70008913	VICTORIA RW	WWS	250	PVC	63.00	3.36	0
MA70025886	F20	MH70008913	MH70008914	VICTORIA RW	WWS	250	PVC	97.00	3.51	0
MA70028825	T17	MH50014878	TE70013678	WORTHINGTON AV	WWS	250	CO	27.82	1.28	0
MA70028826	T18	TE70013678	MH50014877	WORTHINGTON AV	WWS	250	CO	0.77	1.46	0
MA70029018	P6	PL50002589	MH50010593	CLONARD AV	WWS	300	ZZZ	17.70	2.66	0
MA70029343	T18	MH50014876	MH70010894	MARLENE ST	WWS	250	CO	62.37	4.143	0
MA70029344	T18	MH70010894	MH50014877	MARLENE ST	WWS	250	CO	10.63	3.01	0
MA70032283	H26	MH50011761	MH50011753	BETHUNE WY	WWS	250	PVC	63.29	3.78	0
MA70032289	N8	MH50012498	TE50003395	PILGRIM AV	WWS	375	CO	112.01	3.674	0
MA70032291	J19	MH50009869	MH50009853	DUNKIRK DR	WWS	250	AC	114.35	2.511	12500
MA70032293	J20	MH50009853	MH50009832	DUNKIRK DR	WWS	250	AC	104.58	2.701	12500
MA70032295	K18	MH50012510	MH50009868	DUNKIRK DR	WWS	250	AC	82.11	2.887	12500
MA70032297	M7	MH50012513	TE50003408	BLLENHEIM AV	WWS	300	CO	19.86	3.805	0
MA70032299	M7	TE50003408	MH50012514	BLLENHEIM AV	WWS	300	CO	92.76	4.179	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50001845	B13	MH50001611	MH50001612	KINGSTON CR	CS	600	CO	112.20	0	0
MA50001846	C13	MH50001612	MH50001613	KINGSTON CR	CS	900 x 600	CO	153.20	0	0
MA50001847	C13	MH50001613	MH50001614	KINGSTON CR	CS	900 x 600	CO	127.30	0	0
MA50001854	B14	MH50001621	MH50001622	KINGSTON CR	CS	300	CLAY	120.12	0	0
MA50001855	C13	MH50001622	MH50001623	KINGSTON CR	CS	300	CLAY	122.60	0	0
MA50001856	D13	MH50001623	MH50001614	KINGSTON CR	CS	375	CLAY	125.20	0	0
MA50001861	A14	MH50001628	MH50001629	KINGSTON CR	CS	600	CO	93.28	0	0
MA50001862	A14	MH50001629	MH50001630	KINGSTON CR	CS	900 x 600	CO	103.20	0	0
MA50001863	B14	MH50001630	MH50001611	KINGSTON CR	CS	600	CO	100.40	0	0
MA50001866	B14	MH50001621	MH50001631	KINGSTON CR	CS	300	CO	93.18	0	0
MA50001867	B14	MH50001631	MH50001632	KINGSTON CR	CS	300	CLAY	85.70	0	0
MA50001868	A14	MH50001632	MH50001628	KINGSTON CR	CS	450	CO	117.55	0	0
MA50007290	O3	MH50006243	MH50006244	HAIG AV	CS	300	CO	22.90	2.999	0
MA50007291	O3	MH50006244	MH50006245	EGERTON RD	CS	300	PVC	84.50	3.46	0
MA50007292	O3	MH50006245	MH50006246	VIVIAN AV	CS	300	CLAY	40.25	0	0
MA50007293	O4	MH50006246	MH50006247	VIVIAN AV	CS	300	CLAY	59.75	3.34	0
MA50007294	N4	MH50006247	MH50006248	VIVIAN AV	CS	300	CLAY	100.90	3.94	0
MA50007295	N4	MH50006248	MH50006249	VIVIAN AV	CS	450	CLAY	100.00	0	0
MA50007297	O3	MH50006243	MH50006251	HAIG AV	CS	250	CO	97.01	2.363	0
MA50007298	N3	MH50006251	MH50006252	HAIG AV	CS	250	CO	105.01	0	0
MA50007299	N4	MH50006252	MH50006253	HAIG AV	CS	250	CO	97.01	0	0
MA50007300	M4	MH50006253	MH50006254	DES MEURONS ST	CS	300	CO	47.60	0	0
MA50007301	M4	MH50006254	MH50006249	DES MEURONS ST	CS	350	CO	43.40	0	0
MA50007339	O4	MH50006283	MH50006245	EGERTON RD	CS	300	CO	34.11	3.45	0
MA50007349	O3	MH50006614	MH50006244	EGERTON RD	CS	300	CLAY	32.30	3.03	0
MA50009313	L11	MH50007709	MH50007710	ST MARYS RD	CS	2025 x 1350	CO	92.00	6.734	17500
MA50009356	L11	MH50007747	TE50001508	CUNNINGTON AV	CS	600	CLAY	30.00	5.469	0
MA50009358	L11	MH50007710	MH50007711	ST MARYS RD	CS	2025 x 1350	CO	71.29	6.832	17500
MA50009368	M11	MH50007756	MH50007757	REGAL AV	CS	300	PVC	5.60	3.65	0
MA50009369	M11	MH50007757	MH50007758	REGAL AV	CS	300	CLAY	69.90	3.84	0
MA50009370	M11	MH50007758	MH50007709	REGAL AV	CS	300	CLAY	76.19	6.502	0
MA50009398	L10	MH50007711	MH50007781	ST MARYS RD	CS	2475 x 1650	CO	133.86	6.832	17500
MA50009410	N11	MH50007793	MH50007794	CRYSTAL AV	CS	300	CLAY	88.36	4.736	0
MA50009411	N11	MH50007794	MH50007795	CRYSTAL AV	CS	300	CLAY	88.20	4.797	0
MA50009412	M11	MH50007795	MH50007796	CRYSTAL AV	CS	300	CLAY	89.37	3.24	0
MA50009825	L12	TE50001678	MH50007798	ST MARYS RD	CS	1800 x 1200	CO	91.57	6.31	17500
MA50009826	M12	MH50008085	TE50001678	KINGSWOOD AV	CS	250	CLAY	115.80	0	0
MA50009828	N12	MH50008087	MH50008086	KINGSWOOD AV	CS	250	CLAY	125.38	3.01	0
MA50009829	N11	MH50008088	MH50008087	KINGSWOOD AV	CS	250	CLAY	133.33	0	0
MA50009831	N11	MH50008089	MH50008090	ST ANNES RD	CS	300	CO	13.87	3.125	17500
MA50009832	N11	MH50008091	MH50008090	ST ANNES RD	CS	300	CO	73.60	3.14	17500
MA50009833	N11	MH50007793	MH50008091	CRYSTAL AV	CS	300	CO	44.34	4.972	0
MA50009838	O11	MH50008088	MH50008089	KINGSWOOD AV	CS	300	CO	49.28	0	0
MA50009879	N12	MH50008125	MH50008126	FERMOR AV	CS	300	CLAY	101.00	3.12	0
MA50009880	M13	MH50008126	MH50008127	FERMOR AV	CS	300	CLAY	101.45	3.13	0
MA50009881	M13	MH50008127	MH50008128	FERMOR AV	CS	300	CLAY	96.74	0	0
MA50009882	M13	MH50008128	MH50008129	FERMOR AV	CS	375	CLAY	96.62	0	0
MA50009883	M14	MH50008130	MH50008131	ST DAVID RD	CS	300	CLAY	144.40	0	0
MA50009884	M14	MH50008131	MH50008132	ST DAVID RD	CS	375	CLAY	97.60	0	0
MA50009885	M13	MH50008132	MH50008129	ST DAVID RD	CS	375	CLAY	30.60	0	20000
MA50009895	M14	MH50008142	MH50008131	ST DAVID PL	CS	200	CO	112.81	0	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50009897	M14	MH50008144	MH50008145	ST LOUIS RD	CS	300	CLAY	132.20	0	0
MA50009898	M13	MH50008145	MH50008128	ST LOUIS RD	CS	300	CLAY	96.02	0	0
MA50009899	N14	MH50008146	MH50008147	ST GEORGE RD	CS	300	CLAY	128.00	2.47	0
MA50009900	M13	MH50008147	MH50008127	ST GEORGE RD	CS	300	CLAY	128.00	0	0
MA50010135	N13	PL50005715	MH50008292	ST ANDREW RD	CS	250	CLAY	14.36	2.5	0
MA50010136	N13	MH50008292	MH50008293	ST ANDREW RD	CS	250	CLAY	67.61	2.79	0
MA50010137	N13	MH50008293	MH50008125	ST ANDREW RD	CS	300	CLAY	67.98	2.87	0
MA50010140	O13	MH50008296	MH50008297	ST ELMO RD	CS	250	CO	57.50	3.344	0
MA50010141	O13	MH50008297	MH50008298	ST ELMO RD	CS	250	CO	76.50	3.362	0
MA50010142	O12	MH50008298	MH50008299	ST ELMO RD	CS	250	CO	74.40	3.497	0
MA50010143	O12	MH50008299	MH50008300	FERMOR AV ROW	CS	250	CLAY	99.00	4.123	0
MA50010144	O12	MH50008300	MH50008301	ST ANNES RD	CS	250	CLAY	17.00	4.778	0
MA50010153	O13	MH50008305	MH50008306	HULL AV	CS	250	CO	53.70	1.902	0
MA50010154	O13	MH50008306	MH50008307	HULL AV	CS	250	CO	27.30	1.946	0
MA50010155	O14	MH50008307	MH50008308	HULL AV	CS	250	CO	70.00	2.4	0
MA50010156	O14	MH50008308	MH50008309	HULL AV	CS	300	CO	102.20	2.4	0
MA50010157	N14	MH50008309	MH50008310	HULL AV	CS	300	CO	98.50	3.368	0
MA50010158	N14	MH50008310	MH50008311	HULL AV	CS	300	CLAY	99.30	3.37	0
MA50010159	N15	MH50008311	MH50008312	HULL AV	CS	300	CLAY	92.34	0	0
MA50010160	M15	MH50008312	MH50008313	HULL AV	CS	375	CLAY	4.71	0	0
MA50010161	M15	MH50008313	MH50008314	HULL AV	CS	375	CLAY	111.60	0	0
MA50010162	M15	MH50008314	MH50008315	HULL AV	CS	375	CLAY	59.00	0	0
MA50010172	O13	MH70009000	MH50008308	ST ANDREW RD	CS	250	CO	137.20	0	0
MA50010187	M15	MH50008329	MH50008330	HULL AV BACK LANE	CS	250	CO	75.00	3.54	0
MA50010188	M15	MH50008330	MH50008331	HULL AV BACK LANE	CS	250	CO	41.80	4.51	0
MA50010189	M15	MH50008331	MH50008315	HULL AV AT LANE	CS	250	CO	62.99	4.81	0
MA50010193	N15	MH50008333	MH50008334	LENNOX AV	CS	450	CO	95.90	3.97	0
MA50010194	N15	MH50008334	MH50008335	LENNOX AV	CS	450	CO	89.10	0	0
MA50010195	M15	MH50008335	MH50008312	ST DAVID RD	CS	450	ZZZ	93.20	0	0
MA50010209	O15	MH50008349	MH50008350	ST GEORGE RD	CS	450	ZZZ	80.84	3.9	0
MA50010212	N15	MH50008351	MH50008352	FERNWOOD AV	CS	250	CO	28.00	2.35	0
MA50010213	N15	MH50008352	MH50008353	FERNWOOD AV	CS	250	CO	80.00	3.59	0
MA50010214	N15	MH50008353	MH50008350	FERNWOOD AV	CS	250	CO	79.60	3.9	0
MA50010215	N15	MH50008354	MH50008349	THORNDALE AV	CS	250	CO	85.80	3.57	0
MA50010518	O4	MH50006284	MH50006283	EGERTON RD	CS	300	CO	53.73	3.15	0
MA50010522	O2	MH50008531	MH50008532	EGERTON RD	CS	300	PVC	29.82	2.4	0
MA50010526	O2	MH50008531	MH50008535	MORIER AV	CS	300	CLAY	78.60	2.18	0
MA50010527	O3	MH50008535	MH50008536	MORIER AV	CS	300	CLAY	79.93	2.28	0
MA50010528	N3	MH50008536	MH50008537	MORIER AV	CS	375	CLAY	117.20	2.89	0
MA50010529	N3	MH50008537	MH50008538	MORIER AV	CS	375	CLAY	117.70	3.41	0
MA50010530	M3	MH50008538	MH50008539	MORIER AV	CS	450	CO	118.00	3.87	0
MA50010531	M4	MH50008539	MH50008540	MORIER AV	CS	450	CO	118.00	0	0
MA50010533	N3	MH50008542	MH50008543	GUAY AV	CS	300	CLAY	116.90	3.38	0
MA50010534	M3	MH50008543	MH50008544	GUAY AV	CS	300	CLAY	116.40	3.7	0
MA50010535	M3	MH50008544	MH50008545	GUAY AV	CS	450	CLAY	121.80	3.74	0
MA50010536	L3	MH50008545	MH50008546	GUAY AV	CS	450	CLAY	119.50	0	0
MA50010538	L4	MH50008540	MH50008562	MORIER AV	CS	450	CO	30.49	4.99	0
MA50010556	L4	MH50008547	MH50008562	ST MARYS RD	CS	900 x 600	CO	82.85	4.949	20000
MA50010558	L4	MH50008562	MH50008566	ST MARYS RD	CS	1125 x 750	CO	83.44	5.527	20000
MA50010562	O1	MH50008568	MH50008569	THE GLEN AF	CS	300	CLAY	63.70	2.1	0
MA50010563	O2	MH50008569	MH50008570	THE GLEN AF	CS	300	CLAY	73.40	2.28	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50010564	N2	MH50008570	MH50008571	THE GLEN AF	CS	300	CLAY	65.50	2.34	0
MA50010565	N2	MH50008571	MH50008572	FIFTH AV	CS	375	CLAY	117.30	2.87	0
MA50010566	M2	MH50008572	MH50008573	FIFTH AV	CS	375	CLAY	117.30	3.76	0
MA50010569	L3	MH50008575	MH50008551	FIFTH AV	CS	450	CLAY	33.91	4.55	0
MA50010669	L4	MH50008546	TE50005831	GUAY AV	CS	450	CLAY	30.54	0	0
MA50010895	Q15	MH50008837	MH50008838	ST ANNES RD	CS	600	CO	30.10	3.664	15000
MA50010896	Q15	MH50008838	MH50008839	ST ANNES RD	CS	600	CO	48.00	3.44	15000
MA50010897	Q14	MH50008839	MH50008840	ST ANNES RD	CS	600	CO	81.24	3.45	15000
MA50010899	P15	MH50008841	MH50008842	ASHTON AV	CS	250	CO	101.70	2.859	0
MA50010900	P15	MH50008842	MH50008843	ASHTON AV	CS	250	CO	92.10	3.399	0
MA50010905	P15	MH50008848	MH50008843	ST ANDREW RD	CS	300	CO	36.53	3.394	0
MA50010906	P15	MH50008843	MH50008849	ST ANDREW RD	CS	300	CO	90.18	3.69	0
MA50010912	P15	MH50008854	MH50008855	BARTON AV	CS	250	CO	77.30	3.346	0
MA50010913	P15	MH50008855	MH50008849	BARTON AV	CS	250	CO	71.90	3.686	0
MA50010926	Q15	MH50008868	MH50008869	CLAYTON DR	CS	200	CO	82.10	3.284	0
MA50010927	Q15	MH50008869	MH50008838	CLAYTON DR	CS	200	CO	83.70	3.284	0
MA50010928	P15	MH50008849	MH50008870	ST ANDREW DR	CS	300	CO	87.18	4.09	0
MA50010932	Q15	MH50008874	MH50008875	BONITA AV	CS	250	CO	113.40	2.739	0
MA50010933	Q15	MH50008875	MH50008876	HAVELOCK AV	CS	250	CO	114.30	3.194	0
MA50010934	P15	MH50008876	MH50008877	HAVELOCK AV	CS	300	CO	67.10	2.02	0
MA50010935	P16	MH50008877	MH50008870	HAVELOCK AV	CS	300	CO	65.73	2.38	0
MA50010945	Q14	MH50008840	MH50008884	ST ANNES RD	CS	600	CO	89.00	4.175	15000
MA50010946	Q14	MH50008885	MH50008884	FERNWOOD AV	CS	250	CO	56.50	3.865	0
MA50010949	M16	MH50008886	MH50008887	LENNOX AV	CS	250	CO	153.00	4.95	0
MA50010950	L16	MH50008887	TE50001955	LENNOX AV	CS	250	CO	6.00	4.95	20000
MA50010955	L15	MH50008315	MH50008892	HULL AV	CS	375	CLAY	45.94	0	0
MA50010956	L15	MH50008892	MH50008893	HULL AV	CS	375	CLAY	9.80	0	20000
MA50010957	L15	MH50008893	MH50008894	HULL AV	CS	375	CLAY	6.70	0	20000
MA50010958	L15	MH50008894	MH50008895	ST MARYS RD	CS	1500	ZZZ	127.73	5.61	20000
MA50011982	J16	MH50009610	MH50009611	GLENVIEW AV	CS	250	CO	47.01	2.62	0
MA50011983	K16	MH50009611	MH50009612	GLENVIEW AV	CS	250	CO	91.90	3.64	0
MA50011984	K16	MH50009612	MH50009613	GLENVIEW AV	CS	250	CO	89.50	4.02	0
MA50011985	L15	MH50009613	MH50009614	GLENVIEW AV	CS	250	CO	77.00	4.23	0
MA50011986	L15	MH50009614	MH50008894	GLENVIEW AV	CS	250	CO	69.68	4.23	0
MA50011995	K16	MH50009621	MH50009623	BRONSTONE BV	CS	300	CO	99.90	0	0
MA50011996	K16	MH50009623	MH50009625	BRONSTONE BV	CS	300	CO	91.70	0	0
MA50011997	L16	MH50009625	MH50009626	BRONSTONE BV	CS	300	CO	109.10	0	0
MA50011999	L16	MH50009626	TE50001955	ST MARYS RD	CS	1350	ZZZ	5.01	5.04	20000
MA50012139	L16	MH50009760	MH50009626	ST MARYS RD	CS	1350	ZZZ	91.20	5.04	20000
MA50012140	L16	MH50009633	TE70016684	WEST FERNWOOD AV	CS	300	CO	109.58	4.32	0
MA50012143	K17	MH50009761	MH50009762	WEST FERNWOOD AV	CS	250	CLAY	106.55	0	0
MA50012145	L16	TE70016684	MH70003131	ST MARYS RD	CS	1350	ZZZ	0.35	4.909	20000
MA50012146	L16	MH70003131	MH50009760	ST MARYS RD	CS	1350	ZZZ	4.50	4.84	20000
MA50012157	L16	MH70002172	TE70016684	ST MARYS RD	CS	1350	CO	88.63	4.479	20000
MA50012159	L16	MH50009770	MH50009760	FERNWOOD AV	CS	300	CO	5.48	4.84	20000
MA50012160	K17	MH50009771	MH50009772	WESTDALE PL	CS	300	CO	124.00	0	0
MA50012189	L18	MH50009785	MH50009786	NORBERRY DR	CS	250	CLAY	70.00	2.917	0
MA50012190	L17	MH50009786	MH50009787	NORBERRY DR	CS	250	CLAY	74.45	4.196	0
MA50012196	L18	PL50002413	MH50009792	MOLGAT AV	CS	250	ZZZ	131.09	0	0
MA50012197	L18	MH50009792	MH50009787	ST MARYS RD	CS	600	CO	108.22	4.185	20000
MA50012207	L19	MH50009802	MH50009803	ST MARYS RD	CS	300	ZZZ	199.71	0	20000

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50012208	L18	MH50009803	MH50009792	ST MARYS RD	CS	600	CO	88.29	4.093	20000
MA50012211	L19	MH50009806	MH50009807	ST MARYS RD	CS	600	CO	83.62	3.976	20000
MA50012212	L19	MH50009807	MH50009808	ST MARYS RD	CS	600	CO	43.81	4.046	20000
MA50012214	L18	MH50009808	MH50009803	ST MARYS RD	CS	600	CO	90.85	4.046	20000
MA50012241	J19	MH50009837	MH50009838	KENWOOD PL	CS	250	ZZZ	81.10	2.493	0
MA50012242	K19	MH50009838	MH50009839	KENWOOD PL	CS	250	ZZZ	75.90	2.637	0
MA50012292	L20	MH50009888	MH50009889	OUSTIC AV W	CS	300	CO	52.55	2.829	0
MA50012293	L20	MH50009889	MH50009890	OUSTIC AV W	CS	300	CO	141.78	4.067	0
MA50012294	M20	MH50009890	MH50009806	ST MARYS RD	CS	600	CO	82.42	4.117	20000
MA50012296	L20	PL50002423	MH50009802	ST MARYS RD	CS	300	ZZZ	189.20	0	20000
MA50012342	I20	MH50009933	MH50009934	TOD DR	CS	200	CO	93.48	2.073	0
MA50012343	J20	MH50009934	MH50009935	TOD DR	CS	200	CO	89.40	2.474	0
MA50012346	I20	MH50009933	MH50009928	TOD DR	CS	200	CO	98.54	1.859	0
MA50012395	L20	MH50009911	MH50009890	ST MARYS RD	CS	600	CO	82.45	4.183	20000
MA50012396	M21	MH50009982	MH50009983	ST MARYS RD	CS	600	CO	87.85	4.309	20000
MA50012398	M20	MH50009984	MH50009911	ST MARYS RD	CS	600	CO	50.19	4.183	20000
MA50012494	L10	MH50010068	TE50002435	ROSEWARNE AV	CS	1350 x 900	CO	52.85	6.5	0
MA50012495	L10	TE50002435	MH50007781	ROSEWARNE AV	CS	1350 x 900	CO	64.47	6.92	0
MA50012497	L15	TE70003015	MH50008894	ST MARYS RD	CS	1350	ZZZ	105.13	0	20000
MA50012498	L15	MH50010071	MH50008895	NICHOL AV	CS	450	CLAY	57.52	5.61	0
MA50012817	L12	MH50007797	TE50002537	CRYSTAL AV	CS	300	CLAY	98.39	3.876	0
MA50012818	L12	MH50007798	TE50002537	ST MARYS RD	CS	2025 x 1350	CO	1.00	6.31	17500
MA50012819	L12	TE50002537	MH50007709	ST MARYS RD	CS	2025 x 1350	CO	104.53	6.477	17500
MA50013180	P6	MH70002119	MH50010598	STRANMILLIS AV	CS	300	CLAY	77.09	3.17	0
MA50013396	L5	MH50010761	MH50010762	ST MARYS RD	CS	1350 x 900	CO	93.20	5.611	20000
MA50013401	M5	MH50010766	MH50010761	ESSEX AV	CS	350	CLAY	30.48	0	0
MA50013402	M5	MH50010767	MH50010766	ESSEX AV	CS	350	CLAY	141.38	0	0
MA50013403	M5	MH50010768	MH50010767	ESSEX AV	CS	350	CLAY	124.60	0	0
MA50013404	N4	MH50010769	MH50010768	ESSEX AV	CS	350	CLAY	91.40	0	0
MA50013406	N4	MH50006285	MH50010769	ESSEX AV	CS	350	CLAY	93.78	0	0
MA50013415	L5	MH50010778	MH50010761	ST MARYS RD	CS	1125 x 750	CO	89.63	5.611	20000
MA50013416	M4	MH50010779	MH50010778	VIVIAN AV	CS	450	CLAY	30.50	0	0
MA50013417	M4	MH50010780	MH50010779	VIVIAN AV	CS	450	CLAY	32.00	0	0
MA50013418	M5	MH50010781	MH50010780	VIVIAN AV	CS	450	CLAY	80.80	0	0
MA50013419	M4	MH50006249	MH50010781	VIVIAN AV	CS	450	CLAY	114.06	0	0
MA50013420	L5	MH50008566	MH50010778	ST MARYS RD	CS	1125 x 750		93.79	0	20000
MA50013430	O4	MH50010755	MH50010757	EGERTON RD	CS	300	CLAY	84.55	3.22	0
MA50013431	O4	MH50010757	MH50010758	ELLESMERE AV	CS	300	PVC	95.09	3.33	0
MA50013432	O5	MH50010758	MH50010759	ELLESMERE AV	CS	300	PVC	97.53	3.66	0
MA50013433	N5	MH50010759	MH50010760	ELLESMERE AV	CS	300	CLAY	99.40	3.8	0
MA50013434	N5	MH50010760	MH50010765	ELLESMERE AV	CS	450	CLAY	106.92	0	0
MA50013436	M5	MH50010765	MH50010764	ELLESMERE AV	CS	450	CLAY	101.20	0	0
MA50013437	M5	MH50010764	MH50010763	ELLESMERE AV	CS	450	CLAY	105.20	0	0
MA50013438	M6	MH50010763	MH50010762	ELLESMERE AV	CS	450	CLAY	24.99	0	20000
MA50013440	P5	MH50010745	MH50010744	EGERTON RD	CS	200	AC	45.40	2.992	0
MA50013441	P5	MH50010744	MH50010743	EGERTON RD	CS	200	AC	46.91	3.399	0
MA50013442	Q5	MH50010743	MH50010742	EGERTON RD	CS	200	AC	104.94	3.399	0
MA50013443	Q6	MH50010742	MH50010741	EGERTON RD	CS	200	AC	68.30	3.429	0
MA50013444	Q6	MH50010740	MH50010741	EGERTON RD	CS	200	AC	102.21	3.429	0
MA50013445	Q7	MH50010740	MH50010602	EGERTON RD	CS	200	AC	92.88	3.567	0
MA50013447	Q7	MH50010602	MH50010614	EGERTON RD	CS	200	AC	89.41	4.027	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50013453	L6	MH50010762	MH50010792	ST MARYS RD	CS	1125 x 900	CO	94.08	6.226	20000
MA50013476	L7	TE50002688	MH50010793	ST MARYS RD	CS	1125 x 900	CO	56.29	6.541	20000
MA50013477	L7	MH50010793	MH50010807	ST MARYS RD	CS	1125 x 900	CO	133.87	6.985	17500
MA50013492	M9	MH50010821	MH50010822	LORAIN ST	CS	225	CLAY	79.21	0	0
MA50013493	M9	MH50010822	TE50002699	LORAIN ST	CS	225	CLAY	79.21	0	0
MA50013496	N9	MH50010576	MH50010825	ST ANNES RD	CS	2250 x 1500	CO	59.60	0	17500
MA50013500	M8	TE50002699	MH50010581	ST ANNES RD	CS	2250 x 1500	CO	19.88	0	17500
MA50013501	M8	MH50010592	MH50010587	ST ANNES RD	CS	900 x 600	CO	82.27	6.563	17500
MA50013503	L7	PL50002702	MH50010829	ST ANNES RD	CS	300	CO	44.78	4.94	17500
MA50013504	M7	MH50010829	MH50010592	ST ANNES RD	CS	900 x 600	CO	74.07	5.564	17500
MA50013517	M9	MH50010840	MH50010841	OAKLEIGH PL	CS	300	CLAY	82.31	3.72	0
MA50013518	M9	MH50010841	MH50010825	OAKLEIGH PL	CS	300	CLAY	54.91	0	0
MA50013519	N9	MH50010566	MH50010567	ST ANNES RD	CS	1050	CLAY	85.31	5.64	17500
MA50013520	N9	MH50010567	MH50010576	ST ANNES RD	CS	2250 x 1500	CO	82.25	0	17500
MA50013522	N10	MH50010556	MH50010559	ST ANNES RD	CS	900	CLAY	93.17	5.59	17500
MA50013584	N10	MH50010559	MH50010884	ST ANNES RD	CS	1050	CLAY	32.50	5.59	17500
MA50013585	N10	MH50010884	TE50002718	ST ANNES RD	CS	1050	CLAY	12.80	0	17500
MA50013592	L10	MH50010887	MH50010888	KINGSTON RW	CS	375	CLAY	106.70	3.756	0
MA50013593	L9	MH50010888	MH50010877	KINGSTON RW	CS	375	CLAY	32.63	7.217	17500
MA50013594	K10	MH50010889	MH50010887	KINGSTON RW	CS	300	PVC	107.23	3.21	0
MA50013595	K10	MH50010890	MH50010889	KINGSTON RW	CS	300	CLAY	111.39	2.9	0
MA50013639	K15	MH50010927	MH50010928	NICHOL AV	CS	300	CLAY	137.60	4.05	0
MA50013640	L15	MH50010928	MH50010071	NICHOL AV	CS	450	CLAY	124.41	4.64	0
MA50013644	K16	MH50010932	MH50010927	NICHOL AV	CS	300	CLAY	141.11	3.53	0
MA50013654	L12	MH50010942	TE50001678	ST MARYS RD	CS	1800 x 1200	CO	6.88	5.609	17500
MA50013655	L13	MH50010943	MH50010942	GLENLAWN AV	CS	300	CO	146.00	5.239	0
MA50013656	K13	MH50010944	MH50010943	GLENLAWN AV	CS	300	CO	152.73	5.1	0
MA50013661	K13	MH50010948	MH50010944	GLENLAWN AV	CS	300	CO	118.33	4.22	0
MA50013671	J14	MH50010958	MH50010956	GLENLAWN AV	CS	300	CO	77.50	4.1	0
MA50014140	L6	MH50010792	TE50002963	ST MARYS RD	CS	1125 x 900	CO	78.89	6.226	20000
MA50014141	L7	TE50002963	TE50002688	ST MARYS RD	CS	1125 x 900	CO	10.70	0	20000
MA50014326	I12	MH50011448	MH50011449	ELM PARK RD	CS	300	CO	143.68	2.76	0
MA50014328	H13	MH50011449	MH50011450	ELM PARK RD	CS	300	CO	130.50	4.64	0
MA50014330	H13	MH50011453	MH50011454	CUNNINGTON AV	CS	250	CO	40.00	3.66	0
MA50014331	I13	MH50011454	MH50011455	CUNNINGTON AV	CS	250	CO	117.20	4.51	0
MA50014332	I13	MH50011455	MH50011456	CUNNINGTON AV	CS	300	CO	137.30	4.52	0
MA50014333	J12	MH50011456	MH50011457	CUNNINGTON AV	CS	500	CLAY	84.70	4.61	0
MA50014339	J12	MH50011461	MH50011462	SPRINGSIDE DR	CS	375	CLAY	106.80	4.082	0
MA50014340	K12	MH50011462	MH50011463	SPRINGSIDE DR	CS	375	CLAY	71.00	4.373	0
MA50014341	K12	MH50011463	MH50011464	SPRINGSIDE DR	CS	375	CLAY	38.40	4.373	0
MA50014342	K12	MH50011464	MH50011465	SPRINGSIDE DR	CS	375	CLAY	129.70	4.56	0
MA50014343	L12	MH50011465	MH50007709	SPRINGSIDE DR	CS	375	CLAY	136.98	6.502	0
MA50014344	J12	MH50011457	MH50011466	CUNNINGTON AV	CS	525	CO	111.88	4.92	0
MA50014348	L11	MH50011469	MH50007747	CUNNINGTON AV	CS	600	CLAY	161.54	5.42	0
MA50014350	J12	MH50011471	MH50011472	ELM PARK RD	CS	300	CLAY	111.80	3.16	0
MA50014351	J11	MH50011472	MH50011473	ELM PARK RD	CS	300	CLAY	112.70	4.21	0
MA50014352	K11	MH50011473	MH50011474	ELM PARK RD	CS	300	CLAY	111.70	4.21	0
MA50014353	K11	MH50011474	MH50011475	ELM PARK RD	CS	300	CLAY	111.10	0	0
MA50014563	D13	MH50001614	MH50011672	KINGSTON RW	CS	900 x 600	CO	62.59	3.151	0
MA50014564	E13	MH50011672	MH50011673	KINGSTON RW	CS	900 x 600	CO	161.30	4.043	0
MA50014565	E13	MH50011673	MH50011674	KINGSTON RW	CS	900 x 750	CO	149.00	5.139	0

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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50014574	H13	MH50011450	MH50011682	EDINBURGH ST	CS	350	CO	92.83	5.76	0
MA50014576	G13	MH50011684	MH50011682	KINGSTON RW	CS	1125 x 750	CO	20.03	4.83	0
MA50014578	G13	MH50011686	MH50011684	UNDER KINGSTON RW UNDERPASS	CS	1125 x 750	CO	144.23	5.028	0
MA50014586	G12	MH50011695	MH50011682	RAMP KINGSTON TO DUNKIRK NB	CS	450	CO	29.20	4.73	0
MA50014595	H12	MH50011682	MH50011700	KINGSTON RW	CS	1125 x 750	CO	127.10	6.33	0
MA50014602	I12	MH50011705	MH50011708	KINGSTON RW	CS	1125 x 750	CO	120.50	6.418	0
MA50014604	J11	MH50011709	MH50011710	KINGSTON RW	CS	1350 x 900	CLAY	87.98	6.049	0
MA50014605	J11	MH50011710	MH50011711	KINGSTON RW	CS	1350 x 900	CLAY	92.00	6.11	0
MA50014609	J11	MH50011715	MH50011711	KINGSTON RW	CS	300	ZZZ	16.22	5.05	0
MA50014627	J11	MH50011732	MH50011715	KINGSTON RW	CS	300	ZZZ	31.87	5.05	0
MA50014628	G14	MH50011675	MH50011676	DUNKIRK PL	CS	300	ZZZ	72.64	2.971	0
MA50014629	F13	MH50011676	MH50011677	DUNKIRK PL	CS	300	ZZZ	94.50	3.54	0
MA50014836	K11	MH50011467	TE50003139	CUNNINGTON AV	CS	600	CLAY	47.79	5.875	0
MA50014987	L11	MH50011475	TE50001519	ELM PARK RD	CS	300	CLAY	115.78	0	0
MA50015584	Q9	MH50012491	TE50003390	DES MEURONS ST	CS	250	CO	49.76	2.53	0
MA50015588	Q9	MH50012492	TE50003390	REGAL AV	CS	200	CO	39.34	0	0
MA50015589	P10	TE50003390	MH50010557	REGAL AV	CS	250	CO	15.63	2.214	0
MA50015592	Q10	MH50012494	MH50012491	KING GEORGE PARK ROW	CS	250	ZZZ	76.40	2.53	0
MA50015594	P10	MH50012495	MH50012496	KING GEORGE PARK ROW	CS	250	CO	23.60	0	0
MA50015595	Q10	MH50012496	MH50012491	KING GEORGE PARK ROW	CS	250	CO	34.52	2.53	0
MA50015601	N8	MH50010825	TE50003395	ST ANNES RD	CS	2250 x 1500	CO	22.67	0	17500
MA50015602	M8	TE50003395	TE50002699	ST ANNES RD	CS	2250 x 1500	CO	62.36	0	17500
MA50015644	L9	MH50007781	MH50010877	ST MARYS RD	CS	2475 x 1650	CO	109.74	6.924	17500
MA50015649	M8	MH50010587	TE50003417	ST ANNES RD	CS	900 x 600	CO	19.65	6.563	17500
MA50015650	M8	MH50010581	TE50003417	ST ANNES RD	CS	2250 x 1500	CO	65.51	0	17500
MA50015651	M8	TE50003417	MH50012523	MAGER DR E	CS	2250 x 1500	CO	1.46	0	17500
MA50015652	M8	MH50012523	MH50012524	MAGER DR E	CS	3375 x 2250	ZZZ	143.79	7.725	0
MA50015654	L8	MH50010807	TE50003418	ST MARYS RD	CS	1125 x 900	CO	123.73	6.955	17500
MA50015655	L8	MH50012524	TE50003418	MAGER DR E	CS	3375 x 2250	ZZZ	8.30	7.725	17500
MA50015657	L8	MH50010879	TE50003419	ST MARYS RD	CS	2475 x 1650	CO	104.79	7.168	17500
MA50015658	L8	TE50003418	TE50003419	MAGER DR W	CS	3375 x 2250	ZZZ	0.20	0	17500
MA50015660	K8	MH50012526	TE50003420	MAGER DR W	CS	300	ZZZ	138.10	3.276	0
MA50015661	L8	TE50003419	TE50003420	MAGER DR W	CS	3375 x 2250	ZZZ	51.77	0	0
MA50015662	L8	TE50003420	MH50012525	MAGER DR W OUTFALL ROW	CS	3375 x 2250	ZZZ	31.40	7.692	0
MA50015663	L9	MH50012527	MH50012528	ST MARKS PL	CS	300	CLAY	82.97	4.521	0
MA50015664	L9	MH50012528	MH50010878	ST MARKS PL	CS	300	CLAY	39.60	7.321	0
MA50017321	P14	MH50008884	MH50013987	ST ANNES RD	CS	600	CO	87.10	4.185	15000
MA50017322	P13	MH50013987	MH50013989	ST ANNES RD	CS	600	CO	57.71	4.1	15000
MA50017323	P13	MH50013989	MH50014019	ST ANNES RD	CS	600	CO	41.00	4.25	15000
MA50017324	P13	MH50014019	MH50013807	ST ANNES RD	CS	750	CO	152.30	4.57	15000
MA50017325	Q13	MH50014060	MH50014063	MORROW AV	CS	250	CO	38.02	3.06	0
MA50017326	Q13	MH50014063	MH50014064	MORROW AV	CS	250	CO	105.07	3.457	0
MA50017327	P13	MH50014064	MH50013989	MORROW AV	CS	250	CO	112.15	3.726	0
MA50017336	O13	MH50013807	MH50014080	ST ANNES RD	CS	750	CO	15.28	4.57	17500
MA50017387	O12	MH50014083	TE50004012	ST ANNES RD	CS	250	CO	9.23	0	17500
MA50017390	O12	MH50014080	TE50004012	ST ANNES RD	CS	750	CO	97.11	0	17500
MA50017391	O12	TE50004012	MH50008301	ST ANNES RD	CS	750	CO	11.30	4.773	17500
MA50017392	O12	MH50008301	MH50014129	ST ANNES RD	CS	750	CO	32.26	5.024	17500
MA50017399	Q11	MH50014134	MH50014132	ALPINE AV	CS	250	AC	122.30	4.057	0
MA50017400	P11	MH50014132	MH50014133	ALPINE AV	CS	250	CO	120.50	4.578	0
MA50017401	P11	MH50014133	MH50014130	ALPINE AV	CS	250	CO	120.68	4.725	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50017402	P11	MH50014130	MH50014131	ALPINE AV	CS	250	CO	45.70	4.725	0
MA50017403	O12	MH50014131	MH50014129	FERMOR AV	CS	250	CO	74.48	4.978	0
MA50017405	O12	MH50014137	TE50004014	ST ANNES RD	CS	250	CO	10.31	0	17500
MA50017406	O12	MH50014129	TE50004014	ST ANNES RD	CS	750	CO	43.73	5.03	17500
MA50017407	O11	TE50004014	MH50014136	ST ANNES RD	CS	750	CO	42.56	5.15	17500
MA50017410	O11	MH50014136	MH50014140	ST ANNES RD	CS	750	CO	111.87	5.514	17500
MA50017411	O11	MH50014140	MH50010556	ST ANNES RD	CS	750	CO	121.00	5.514	17500
MA50017412	O11	MH50008090	MH50014140	ST ANNES RD	CS	375	CO	12.21	5.517	17500
MA50017417	O10	MH50014145	MH50010556	ST ANNES RD	CS	250	ZZZ	9.21	0	17500
MA50017419	N12	MH50014147	MH50014148	INMAN AV	CS	300	CLAY	94.09	3.39	0
MA50017420	N12	MH50014149	MH50014147	INMAN AV	CS	300	CLAY	89.41	3.07	0
MA50017421	N12	MH50014150	MH50014149	INMAN AV	CS	300	CLAY	97.54	3.06	0
MA50017427	N12	MH50014148	MH50014157	INMAN AV	CS	300	CLAY	6.78	3.51	0
MA50017428	M12	MH50014157	MH50014158	INMAN AV	CS	300	CLAY	102.04	4.74	0
MA50017429	M13	MH50014158	MH50014159	INMAN AV	CS	300	CLAY	104.70	5.22	0
MA50017434	L13	MH50014159	MH50010942	INMAN AV	CS	1800 x 1200	CO	145.63	5.27	0
MA50017443	L12	MH50014166	MH50014167	SUNSET BV	CS	300	CLAY	9.00	4.82	0
MA50017444	L12	MH50014167	MH50007798	SUNSET BV	CS	300	CLAY	65.91	5.618	0
MA50017447	O12	PL50004035	MH50008299	ST ELMO RD	CS	300	CO	1.50	3.506	20000
MA50017449	N14	MH50014170	MH50008144	ST LOUIS RD	CS	300	CLAY	30.00	0	0
MA50017450	N13	MH50014171	MH50014172	ST THOMAS RD	CS	250	CLAY	78.30	0	0
MA50017451	N13	MH50014172	MH50014173	ST THOMAS RD	CS	250	CLAY	110.00	0	0
MA50017452	N13	MH50014173	MH50008126	ST THOMAS RD	CS	250	CLAY	57.00	0	0
MA50017461	L14	MH50008895	TE50004040	ST MARYS RD	CS	1500	ZZZ	6.18	5.61	20000
MA50017462	L14	TE50004040	TE70014023	ST MARYS RD	CS	1600 x 1060	CO	121.13	0	20000
MA50017466	M15	MH50008335	MH50008886	LENNOX AV	CS	250	CO	144.14	0	0
MA50017474	P14	MH50014187	MH50014188	FERNWOOD AV	CS	300	PVC	98.56	3.12	0
MA50017475	O14	MH50014188	MH50014189	FERNWOOD AV	CS	300	PVC	82.73	3.24	0
MA50017476	O15	MH50014189	MH50014185	FERNWOOD AV	CS	300	PVC	72.58	3.84	0
MA50017480	O15	MH50014193	MH50008349	ST GEORGE RD	CS	450	ZZZ	100.37	3.69	0
MA50017632	K9	MH50014290	MH50014291	MAGER DR W	CS	300	CLAY	13.60	0	0
MA50017633	K10	MH50014291	MH50014292	MAGER DR W	CS	300	CLAY	56.00	2.611	0
MA50017634	K9	PL50004107	MH50012526	MAGER DR W	CS	300	CLAY	128.20	3.276	0
MA50017636	L9	MH50014292	MH50012527	ST MARKS PL	CS	300	CLAY	82.35	3.688	0
MA50017638	K9	PL50004110	MH50014292	MAGER DR W	CS	300	CLAY	7.04	0	0
MA50017749	G14	PL50004163	MH50011675	DUNKIRK PL	CS	300	ZZZ	2.04	0	0
MA50017753	G13	MH50014366	MH50011686	KINGSTON RW	CS	1125 x 750	CO	98.41	5.487	0
MA50017756	J11	MH50011711	MH50014367	ROSEWARNE AV	CS	1350 x 900	CO	114.32	4.55	0
MA50017757	K11	MH50014367	MH50014368	ROSEWARNE AV	CS	1350 x 900	CO	130.00	0	0
MA50017758	K10	MH50014368	MH50010068	ROSEWARNE AV	CS	1350 x 900	CO	88.92	0	0
MA50017759	K13	MH50014369	MH50014370	SUNSET BV	CS	300	CLAY	93.90	4.08	0
MA50017760	K12	MH50014370	MH50014371	SUNSET BV	CS	300	PVC	96.40	4.6	0
MA50017761	L12	MH50014371	MH50014166	SUNSET BV	CS	300	CLAY	75.00	4.77	0
MA50017762	J14	PL50004168	MH50010958	GLENLAWN AV	CS	300	CO	50.57	3.7	0
MA50017763	K14	MH50014372	MH50014373	FERMOR AV	CS	250	ZZZ	81.20	3.84	20000
MA50017764	K14	MH50014373	MH50014374	FERMOR AV	CS	450	CO	123.10	5.31	20000
MA50017765	K14	MH50014374	MH50014375	FERMOR AV	CS	450	CO	52.78	5.38	20000
MA50017770	K14	MH50014379	MH50014380	GLEN AV	CS	450	CLAY	135.10	4.32	0
MA50017772	J15	PL50004169	MH50014381	GLEN AV	CS	375	CO	21.39	3.28	0
MA50017773	J15	MH50014381	MH50014382	GLEN AV	CS	375	CO	79.90	3.61	0
MA50017774	J15	MH50014382	MH50014383	GLEN AV	CS	375	CO	45.30	3.77	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50017775	J15	MH50014383	MH50014384	GLEN AV	CS	375	CO	56.90	4.05	0
MA50017776	J15	MH50014384	MH50014379	GLEN AV	CS	375	CO	92.70	4.12	0
MA50017782	L14	MH50014380	MH50014390	GLEN AV	CS	450	CLAY	69.72	4.74	0
MA50017783	L14	MH50014390	MH50014175	GLEN AV	CS	450	CLAY	31.70	4.812	0
MA50017906	O18	MH50014428	MH50014429	BERRYDALE AV	CS	250	CO	82.10	3.49	0
MA50017907	P17	MH50014429	MH50011595	BERRYDALE AV	CS	250	CO	118.94	4.905	0
MA50017908	O18	MH50014430	MH50014431	BERRYDALE AV	CS	250	CO	125.42	2.785	0
MA50017909	O18	MH50014431	MH50014428	BERRYDALE AV	CS	250	CO	11.48	2.79	0
MA50017912	M19	MH50014434	MH50009806	BERRYDALE AV	CS	300	CO	151.98	3.806	0
MA50017913	N18	MH50014430	MH50014435	BERRYDALE AV	CS	250	CO	180.79	2.755	0
MA50017914	M19	MH50014435	MH50014434	BERRYDALE AV	CS	250	CO	152.50	3.09	0
MA50017927	M19	MH50014448	MH50009808	POPLARWOOD AV	CS	250	CO	146.70	3.991	0
MA50017934	O17	PL50004231	MH50014452	POPLARWOOD AV	CS	300	ZZZ	2.00	3.253	0
MA50017935	O17	MH50014452	MH50014453	POPLARWOOD AV	CS	300	ZZZ	90.60	3.896	0
MA50017936	O17	MH50014453	MH50014454	POPLARWOOD AV	CS	300	ZZZ	97.20	4.742	0
MA50017939	Q16	PL50004234	MH50014457	POPLARWOOD AV	CS	300	CO	9.00	3.456	0
MA50017940	Q16	MH50014457	MH50014458	POPLARWOOD AV	CS	300	CO	98.50	3.718	0
MA50017941	P16	MH50014458	MH50014459	POPLARWOOD AV	CS	300	CO	107.00	3.879	0
MA50017942	P17	MH50014459	MH50014454	POPLARWOOD AV	CS	300	ZZZ	127.90	4.77	0
MA50017945	Q16	MH50014462	MH50014463	PORTLAND AV	CS	300	CO	83.18	3.865	0
MA50017946	P16	MH50014463	MH50014464	PORTLAND AV	CS	300	CO	93.80	4.096	0
MA50017947	P16	MH50014464	MH50014465	PORTLAND AV	CS	300	CO	100.60	4.349	0
MA50017948	P16	MH50014465	MH50014466	PORTLAND AV	CS	300	CO	101.18	5.038	0
MA50017953	O16	MH50014466	MH50014469	ST GEORGE RD	CS	450	CO	81.09	5.33	0
MA50017954	P16	MH50008870	MH50014470	HAVELOCK AV	CS	300	CO	97.57	4.83	0
MA50017955	O16	MH50014470	MH50014469	HAVELOCK AV	CS	300	CO	103.30	5.33	0
MA50017958	N17	PL50004236	MH50014473	HAVELOCK AV	CS	250	CO	19.50	3.52	0
MA50017959	O16	MH50014473	MH50014469	HAVELOCK AV	CS	250	CO	168.10	5.33	0
MA50017962	O16	MH50014476	MH50014193	FREDERICK AV	CS	250	CO	72.00	3.27	0
MA50017971	N16	PL50004239	MH50014485	THORNDALE AV	CS	250	CO	2.00	0	0
MA50017972	N16	MH50014485	MH50008354	THORNDALE AV	CS	250	CO	89.50	0	0
MA50017973	M17	MH50014486	MH50014487	FREDERICK AV	CS	600	CO	121.00	3.5	0
MA50017974	L17	MH50014487	MH50009787	FREDERICK AV	CS	600	CO	125.98	4.075	0
MA50017975	N16	MH50014488	MH50014489	FREDERICK AV	CS	450	CO	116.49	4.53	0
MA50017976	M17	MH50014489	MH50014486	FREDERICK AV	CS	450	CO	94.50	3.5	0
MA50017979	N16	PL50004242	MH50014492	THORNDALE AV	CS	250	CO	2.00	0	0
MA50017980	N16	MH50014492	MH50014493	THORNDALE AV	CS	250	CO	66.40	3.545	0
MA50017981	M16	MH50014493	MH50014494	THORNDALE AV	CS	250	CO	149.02	3.581	0
MA50017982	M16	MH50014494	MH50009769	THORNDALE AV	CS	300	CO	147.68	4.504	0
MA50017985	N17	PL50004245	MH50014497	HAVELOCK AV	CS	250	CO	12.00	0	0
MA50017986	N17	MH50014497	MH50014498	HAVELOCK AV	CS	250	CO	67.00	2.84	0
MA50017987	M17	MH50014498	MH50014499	HAVELOCK AV	CS	300	CO	101.00	2.84	0
MA50017988	M17	MH50014499	MH50014500	HAVELOCK AV	CS	300	CO	136.60	3.53	0
MA50017989	L18	MH50014500	MH50009792	HAVELOCK AV	CS	300	CLAY	111.10	4.058	0
MA50018594	O17	MH50014454	MH50014920	ST GEORGE RD	CS	450	CO	40.20	4.9	0
MA50018595	P17	MH50014920	MH50014466	ST GEORGE RD	CS	450	CO	40.66	0	0
MA50018684	N15	PL50004557	MH50014998	FERNWOOD AV	CS	250	CO	41.50	3.09	0
MA50018685	M16	MH50014998	MH50014999	FERNWOOD AV	CS	250	CO	146.30	4.13	0
MA50018686	L16	MH50014999	MH50009770	FERNWOOD AV	CS	300	CO	152.38	4.364	0
MA50018693	O16	MH50014469	MH50015006	ST GEORGE RD	CS	450	CO	24.54	5.33	0
MA50018694	O16	MH50015006	MH50014193	ST GEORGE RD	CS	450	CO	76.36	3.45	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50018696	N16	MH50015007	MH50014476	FREDERICK AV	CS	250	CO	101.98	3.12	0
MA50018699	O18	MH50014428	MH50015009	ST DAVID RD	CS	250	AC	67.49	2.957	0
MA50018700	O18	MH50015009	MH50015010	ST DAVID RD	CS	250	CLAY	89.24	2.84	0
MA50018701	N17	MH50015010	MH50015011	ST DAVID RD	CS	250	CLAY	48.38	0	0
MA50018702	N17	MH50015011	MH50015012	PORTLAND AV	CS	250	CO	55.10	0	0
MA50018703	N17	MH50015012	MH50015013	PORTLAND AV	CS	300	CO	75.00	2.53	0
MA50018704	N17	MH50015013	MH50015014	PORTLAND AV	CS	300	CO	76.00	2.996	0
MA50018705	M18	MH50015014	MH50015015	PORTLAND AV	CS	300	CO	99.60	3.02	0
MA50018706	M18	MH50015015	MH50015016	PORTLAND AV	CS	300	CO	100.00	2.84	0
MA50018707	M18	MH50015016	MH50010187	PORTLAND AV	CS	300	CO	28.35	3.746	0
MA50018708	M18	MH50010187	MH50015017	PORTLAND AV	CS	300	CO	3.25	3.712	0
MA50018709	L18	MH50015017	MH50009803	PORTLAND AV	CS	300	CO	66.98	3.678	0
MA50018710	O17	PL50004567	MH50015011	PORTLAND AV	CS	250	CO	2.00	0	0
MA50018715	P17	MH50011595	MH50014454	ST GEORGE RD	CS	450	CO	116.26	5.135	0
MA50018732	Q15	MH50011580	MH50014462	ST ANNES RD	CS	300	CO	20.91	3.301	15000
MA50019851	L3	MH50008551	TE50005831	ST MARYS RD	CS	900 x 600	CO	89.90	4.367	20000
MA50019852	L4	TE50005831	MH50008547	ST MARYS RD	CS	900 x 600	CO	0.99	4.613	20000
MA70000814	L14	MH50014375	MH70000363	FERMOR AV	CS	375	CO	115.13	5.29	20000
MA70001036	I11	MH50011708	MH50011709	KINGSTON RW	CS	1350 x 900	CLAY	74.10	6.399	0
MA70001040	I12	MH50011448	MH50011471	ELM PARK RD	CS	250	CO	141.32	2.76	0
MA70001226	P14	MH50008841	MH50008840	ASHTON AV	CS	250	PVC	15.90	2.68	15000
MA70001498	K12	MH50011466	MH50011467	CUNNINGTON AV	CS	500	CLAY	109.45	5.616	0
MA70001565	J13	MH50010956	MH50010948	GLENLAWN AV	CS	300	CO	77.55	4.16	0
MA70001828	O15	MH50014185	MH70000736	FERNWOOD AV	CS	300	PVC	79.48	3.84	0
MA70001829	O15	MH70000736	MH50008350	FERNWOOD AV	CS	300	PVC	15.85	3.84	0
MA70001882	N14	MH70000759	MH50008333	LENNOX AV	CS	300	PVC	92.48	3.91	0
MA70001884	O14	MH70000760	MH70000759	LENNOX AV	CS	300	PVC	81.00	3.52	0
MA70001885	P14	MH70000758	MH70000761	LENNOX AV	CS	300	PVC	90.00	2.75	0
MA70001886	O14	MH70000761	MH70000760	LENNOX AV	CS	300	PVC	78.00	3.16	0
MA70002025	L9	MH50010878	TE70000849	ST MARYS RD	CS	2475 x 1650	CO	4.86	7.168	17500
MA70002026	L9	TE70000849	MH50010879	ST MARYS RD	CS	2475 x 1650	CO	47.71	0	17500
MA70002034	L9	MH50010877	TE70000851	ST MARYS RD	CS	2475 x 1650	CO	21.42	7.247	17500
MA70002035	L9	TE70000851	MH50010878	ST MARYS RD	CS	2475 x 1650	CO	63.31	7.199	17500
MA70002067	N10	TE50002718	TE70000860	ST ANNES RD	CS	1050	CLAY	8.31	0	17500
MA70002068	N10	TE70000860	MH50010566	ST ANNES RD	CS	1050	CLAY	27.44	5.64	17500
MA70002199	M11	MH50007796	MH70000878	CRYSTAL AV	CS	300	CLAY	5.93	3.48	0
MA70002200	M12	MH70000878	MH50007797	CRYSTAL AV	CS	300	CLAY	87.96	4	0
MA70002236	M12	MH50008086	MH70000896	KINGSWOOD AV	CS	250	CLAY	6.70	3.339	0
MA70002238	M12	MH70000896	MH50008085	KINGSWOOD AV	CS	250	CLAY	106.94	3.339	0
MA70003188	K3	MH50008550	MH50008551	ST MARYS RD	CS	300	CO	89.90	4.52	20000
MA70003194	L10	MH70001417	TE50003411	VICTORY PL	CS	300	CLAY	51.07	3.9	0
MA70003195	L3	MH50008574	MH50008575	FIFTH AV	CS	450	CLAY	125.10	4.56	0
MA70003198	M3	MH50008573	MH50008574	FIFTH AV	CS	450	CLAY	127.50	3.76	0
MA70003471	N2	MH50008541	MH50008542	GUAY AV	CS	300	PVC	82.10	2.77	0
MA70003473	O3	MH50008532	MH50006614	EGERTON RD	CS	300	CLAY	91.57	2.4	0
MA70003855	J10	MH50010890	MH50011731	KINGSTON RW	CS	300	PVC	71.56	2.95	0
MA70003856	J10	MH50011731	MH50011732	KINGSTON RW	CS	300	PVC	81.04	3.08	0
MA70003925	L14	MH50014175	MH70001781	GLEN AV	CS	500	CLAY	25.76	6.07	0
MA70003928	L14	MH70001781	TE70014024	ST MARYS RD	CS	1500	CO	66.86	6.07	20000
MA70004461	F13	MH50014365	MH50014366	KINGSTON RW	CS	1125 x 750	CO	139.00	5.105	0
MA70004466	F13	MH50011674	MH50014365	KINGSTON RW	CS	900 x 750	CO	7.51	5.105	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA70004669	J20	MH50009935	MH70002109	TOD DR	CS	250	PVC	7.81	2.65	0
MA70004674	J20	MH70002109	MH70002114	TOD DR	CS	250	PVC	93.98	2.66	0
MA70004675	J20	MH70002114	MH50009930	TOD DR	CS	250	PVC	11.79	2.776	0
MA70004678	P6	MH50010595	MH50010596	STRANMILLIS AV	CS	250	CO	106.70	2.74	0
MA70004681	P6	MH50010596	MH70002119	STRANMILLIS AV	CS	300	PVC	80.55	2.83	0
MA70004828	L16	MH50009769	MH70002172	THORNDALE AV	CS	300	PVC	6.81	4.479	20000
MA70005231	M9	MH50012518	MH70002356	VICTORY PL	CS	300	CLAY	76.81	0	0
MA70005263	M9	MH70002356	MH70002357	VICTORY PL	CS	300	PVC	77.45	0	0
MA70005264	M10	MH70002357	MH70001417	VICTORY PL	CS	300	PVC	63.48	3.89	0
MA70005725	L17	TE70002365	TE70002370	ST MARYS RD	CS	1350	CO	6.45	0	20000
MA70005726	L17	TE70002370	MH70002172	ST MARYS RD	CS	1350	ZZZ	1.15	0	20000
MA70005728	L17	MH50009772	MH70002506	WESTDALE PL	CS	300	CO	67.98	4.05	0
MA70005729	L17	MH70002506	TE70002365	WESTDALE PL	CS	300	CO	27.02	3.15	0
MA70005794	L17	MH50009787	TE70002942	ST MARYS RD	CS	600	CO	54.68	4.245	20000
MA70006252	O4	MH50006284	MH50006285	ESSEX AV	CS	300	CLAY	91.38	3.18	0
MA70007188	L17	TE70002942	TE70002365	ST MARYS RD	CS	1350	CO	67.11	0	20000
MA70007337	L16	TE50001955	TE70003015	ST MARYS RD	CS	1350	ZZZ	1.90	0	20000
MA70007343	K20	PL70003018	MH50009888	OUSTIC AV W	CS	300	CO	11.15	0	0
MA70007687	L8	MH50012543		MAGER DR W OUTFAL ROW	CS	600	AC	1001.45	1.62	0
MA70008225	N15	MH50009153	MH50008333	ST GEORGE RD	CS	450	ZZZ	46.74	3.93	0
MA70008229	N15	MH50008350	MH50009153	ST GEORGE RD	CS	450	ZZZ	34.15	3.9	0
MA70008276	K11	TE50003139	MH50011469	CUNNINGTON AV	CS	600	CLAY	61.01	5.62	0
MA70013863	L14	TE50004040	PL70006293	ST MARYS RD	CS	1350	ZZZ	0.85	0	20000
MA70013892	L13	MH70005561	MH70005562	ST MARYS RD	CS	1500	CO	89.00	6.107	17500
MA70013898	L13	MH50008129	MH70005561	FERMOR AV	CS	600	ZZZ	24.20	0	0
MA70013902	L13	MH70000363	TE70006316	FERMOR AV	CS	375	CO	23.70	4.558	20000
MA70013905	L13	TE70006316	MH70005561	ST MARYS RD	CS	1600 x 1060	CO	23.08	6.025	20000
MA70013917	N12	PL70006323	MH50008125	FERMOR AV	CS	300	CO	0.80	2.36	0
MA70013920	O12	MH70005564	MH70005565	FERMOR AV	CS	300	PVC	54.48	2.378	0
MA70013921	N12	MH70005565	MH70005566	FERMOR AV	CS	300	PVC	92.53	2.399	0
MA70013922	N12	MH70005566	MH50008125	FERMOR AV	CS	300	PVC	3.72	2.399	0
MA70018393	L8	MH50012543	MH50012551	MAGER DR W OUTFALL ROW	CS	1660	ZZZ	50.15	7.332	0
MA70023522	H12	MH50011700	MH50011705	KINGSTON RW	CS	1125 x 750	CO	89.00	6.309	0
MA70024714	K16	MH50009762	MH50009633	WEST FERNWOOD AV	CS	250	CLAY	3.87	0	0
MA70032327	F13	MH50011677	TE70001807	DUNKIRK PL	CS	300	CLAY	110.31	3.56	0
MA70032363	K18	MH50009775	MH50009785	NORBERRY DR	CS	250	CLAY	97.02	0	0
MA70032707	M9	MH70002343	MH50010840	OAKLEIGH PL	CS	300	PVC	76.88	3.68	0
MA70036385	L14	TE70014023	MH70001781	ST MARYS RD	CS	1500	CO	1.50	6.07	20000
MA70036386	L14	TE70014024	TE70006316	ST MARYS RD	CS	1600 x 1060	CO	46.09	0	20000
MA70037941	M21	MH50009983	TE70017642	ST MARYS RD	CS	600	CO	99.21	4.03	20000
MA70037942	M21	TE70017642	MH50009984	ST MARYS RD	CS	600	CO	24.80	0	20000

WORK PROGRAM - WASTEWATER SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA70018740	E20	MH70006825	MH70006826	VICTORIA GR	WWS	250	PVC	98.45	3.03	0
MA70018741	E20	MH70006826	MH70006824	VICTORIA GR	WWS	250	PVC	101.63	3.4	0
MA70018738	E21	PL70008759	MH70006824	DELMAR ST	WWS	250	PVC	87.98	3.73	0
MA50014635	F13	MH50011736	MH50011737	NORFOLK AV	WWS	200	CO	13.70	2.859	0
MA70018742	F20	MH70008914	MH70006824	VICTORIA CR	WWS	250	PVC	103.50	3.75	0
MA70025885	F20	MH70008912	MH70008913	VICTORIA RW	WWS	250	PVC	63.00	3.36	0
MA70025886	F20	MH70008913	MH70008914	VICTORIA RW	WWS	250	PVC	97.00	3.51	0
MA50012373	F21	MH50009966	MH50009967	VICTORIA CR	WWS	200	CO	46.11	2.862	0
MA70018743	F21	MH70006824	MH70006827	VICTORIA CR	WWS	250	PVC	109.79	3.77	0
MA70018744	F21	MH70006827		VICTORIA CR	WWS	250	PVC	114.34	3.31	0
MA50012369	F22	MH50009961	MH50009962	ST VITAL RD	WWS	200	ZZZ	86.50	2.507	0
MA50015002	F22	PL50003198	MH50009961	VICTORIA CR	WWS	200	CO	16.80	3.078	0
MA50015003	F23	MH50009961	MH50012045	RIVER RD	WWS	200	CO	116.30	3.261	0
MA50015004	F23	MH50012045	MH50012046	RIVER RD	WWS	200	CO	13.70	4.968	0
MA50015006	F23	MH50012047	MH50012046	RIVER PARK CS	WWS	250	CO	34.01	2.987	0
MA50014682	F25	TE50003104	MH50011577	RIVER RD	WWS	200	CO	77.03	0	0
MA50014707	F25	MH50011809	MH50011810	RIVER LN	WWS	200	CO	54.55	3.984	0
MA50014708	F25	MH50011810	MH50011811	RIVER RD	WWS	200	CO	40.18	4.441	0
MA50014712	F25	MH50011577	MH50011810	RIVER RD	WWS	200	CO	45.15	3.96	0
MA50014671	F26	MH50011777	MH50011778	HARDY BY	WWS	250	PVC	71.76	2.97	0
MA50014672	F26	MH50011778	MH50011773	HARDY BY	WWS	250	PVC	53.73	3.87	0
MA50014680	F26	TE50003104	MH50011773	HARDY BY	WWS	250	CO	7.84	3.68	0
MA50014681	F26	MH50011785	TE50003104	RIVER RD	WWS	200	AC	53.15	2.76	0
MA50018183	F26	PL50004330	MH50011785	RIVER RD	WWS	200	AC	1.00	2.756	0
MA50014634	G13	MH50011735	MH50011736	OAKCREST PL	WWS	200	CO	67.50	2.784	0
MA50014636	G13	MH50011737	TE50003100	NORFOLK AV	WWS	200	CO	84.74	2.899	0
MA50012347	G21	MH50009937	MH50009938	SANDEE BY	WWS	200	CO	40.30	3.56	0
MA50012351	G21	MH50009942	MH50009943	SALME DR	WWS	200	CO	113.30	4.136	0
MA50012352	G21	MH50009943	MH50009944	SALME DR	WWS	200	CO	84.08	4.136	0
MA50012353	G21	MH50009944	MH50009938	SALME DR	WWS	200	CO	10.42	3.98	0
MA50012374	G21	MH50009967	MH50009968	VICTORIA CR	WWS	200	CO	95.70	2.956	0
MA50012370	G22	MH50009962	MH50009963	ST VITAL RD	WWS	200	ZZZ	95.54	3.194	0
MA50012371	G22	MH50009963	MH50009964	ST VITAL RD	WWS	200	ZZZ	98.96	4.279	0
MA50012375	G22	MH50009968	MH50009963	VICTORIA CR	WWS	200	CO	93.89	5.729	0
MA50014953	G22	MH50012018	MH50012019	BARRINGTON AV	WWS	200	CO	122.45	4.237	0
MA50014955	G22	MH50012020	MH50012018	TALON BY	WWS	200	CO	25.09	3.585	0
MA50014951	G23	MH50012016	MH50012017	TALON BY	WWS	200	CO	126.90	2.941	0
MA50014952	G23	MH50012017	MH50012018	TALON BY	WWS	200	CO	75.57	3.585	0
MA50015005	G23	MH50012046	MH50011814	RIVER RD	WWS	200	CO	103.28	4.84	0
MA50015007	G23	MH50011814	MH50012048	MOORE AV	WWS	200	CO	90.91	5.208	0
MA50015008	G23	MH50012048	MH50012049	MOORE AV	WWS	200	CO	91.40	5.175	0
MA50015059	G23	MH50012068	MH50012069	TRITON BY	WWS	200	CO	108.50	4.177	0
MA50014710	G24	MH50011812	MH50011813	RIVER RD	WWS	200	CO	93.10	4.915	0
MA50014711	G24	MH50011813	MH50011814	RIVER RD	WWS	200	CO	108.00	4.915	0
MA50015034	G24	MH50012066	MH50012067	TRITON BY	WWS	200	CO	96.78	3.153	0
MA50015058	G24	MH50012067	MH50012068	TRITON BY	WWS	200	CO	75.50	3.801	0
MA50014663	G25	MH50011767	MH50011768	TRITON BY	WWS	200	CO	69.67	3.017	0
MA50014664	G25	MH50011768	MH50011769	TRITON BY	WWS	200	CO	74.14	3.21	0
MA50014665	G25	MH50011769	MH50011770	TRITON BY	WWS	200	CO	76.80	3.623	0
MA50014666	G25	MH50011771	MH50011772	PARKVILLE DR	WWS	200	CO	62.84	3.515	0
MA50014667	G25	MH50011772	MH50011770	PARKVILLE DR	WWS	200	CO	77.70	3.629	0

WORK PROGRAM - WASTEWATER SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50014679	G25	PL50003103	MH50011577	ARDEN AV	WWS	200	ZZZ	19.00	3.834	0
MA50014709	G25	MH50011811	MH50011812	RIVER RD	WWS	200	CO	92.70	4.441	0
MA50015024	G25	MH50011770	MH50012057	PARKVILLE DR	WWS	200	CO	82.10	4.174	0
MA50015033	G25	MH50012065	MH50012066	TRITON BY	WWS	200	CO	44.96	3.153	0
MA50014651	G26	MH50011756	MH50011758	ARDEN AV	WWS	200	CO	115.43	4.542	0
MA50012349	H20	MH50009940	MH50009941	SALME DR	WWS	200	CO	100.49	3.392	0
MA50012350	H20	MH50009941	MH50009938	SALME DR	WWS	200	CO	103.41	3.944	0
MA50012376	H21	MH50009944	MH50009969	ST VITAL RD ROW	WWS	200	CO	87.21	4.855	0
MA50012377	H21	MH50009969	MH50009965	ST VITAL RD	WWS	200	CO	11.34	4.855	0
MA50012379	H21	MH50009965	MH50009971	ST VITAL RD	WWS	200	ZZZ	69.30	4.777	0
MA50012380	H21	MH50009971	MH50009972	ST VITAL RD	WWS	200	ZZZ	98.50	4.765	0
MA50012384	H21	MH50009975	MH50009920	BARRINGTON AV	WWS	200	CO	100.01	5.856	0
MA50012372	H22	MH50009964	MH50009965	ST VITAL RD	WWS	200	ZZZ	85.17	4.777	0
MA50014948	H22	MH50012013	MH50012014	FLYNN ST	WWS	200	CO	24.13	3.827	0
MA50014949	H22	MH50012014	MH50012015	FLYNN ST	WWS	200	CO	75.55	4.602	0
MA50014950	H22	MH50012016	MH50012014	TALON BY	WWS	200	CO	117.83	3.797	0
MA50014954	H22	MH50012019	MH50012015	BARRINGTON AV	WWS	200	CO	122.20	4.587	0
MA50014983	H22	MH50012012	MH50009975	WAKEFIELD BY	WWS	200	CO	75.63	3.965	0
MA50014984	H22	MH50012015	MH50009975	BARRINGTON AV	WWS	200	CO	88.36	4.587	0
MA50014994	H23	MH50012035	MH50012036	CABOT CR	WWS	300	AC	39.39	5.641	0
MA50014995	H23	MH50012036	MH50012037	CABOT CR	WWS	300	AC	75.55	5.757	0
MA50014996	H23	MH50012037	MH50012038	MOORE AV	WWS	300	AC	127.80	6.342	0
MA50015009	H23	MH50012049	MH50012037	MOORE AV	WWS	200	CO	93.30	5.66	0
MA50015037	H23	MH50012069	MH50012036	TRITON BY	WWS	200	CO	109.70	5.476	0
MA50015041	H23	MH50012072	MH50012035	CABOT CR CATWALK	WWS	200	CO	83.82	5.641	0
MA50015067	H23	MH50012084	MH50012072	CROFTON BY	WWS	200	CO	40.47	4.21	0
MA50014992	H24	MH50012033	MH50012034	CABOT CR	WWS	250	AC	9.80	5.605	0
MA50014993	H24	MH50012034	MH50012035	CABOT CR	WWS	250	AC	111.74	5.641	0
MA50015025	H24	MH50012057	MH50012060	PARKVILLE DR	WWS	200	CO	135.02	4.174	0
MA50015026	H24	MH50012060	MH50012061	PARKVILLE DR	WWS	200	CO	122.20	5.517	0
MA50015029	H24	MH50012062	MH50012063	CABOT CR	WWS	200	CO	128.00	3.617	0
MA50015030	H24	MH50012063	MH50012034	CABOT CR	WWS	200	CO	128.70	5.072	0
MA50014655	H25	MH50011754	MH50011759	ARDEN AV	WWS	200	CO	128.50	4.287	0
MA50015020	H25	MH50012056	MH50012057	PARKVILLE BY	WWS	200	CO	75.52	4.204	0
MA50015022	H25	MH50012056	MH50012059	PARKVILLE BY	WWS	200	CO	122.90	3.246	0
MA50014650	H26	MH50011753	MH50011754	DARWIN ST	WWS	250	ZZZ	71.51	4.207	0
MA50014653	H26	MH50011758	MH50011754	ARDEN AV	WWS	200	CO	116.00	4.542	0
MA70032283	H26	MH50011761	MH50011753	BETHUNE WY	WWS	250	PVC	63.29	3.78	0
MA50011361	I21	MH50009160	MH50009137	PULBERRY ST	WWS	300	CO	25.20	5.744	0
MA50011366	I21	MH50009160	MH50009164	ST VITAL RD	WWS	200	CO	7.62	5.548	0
MA50012325	I21	MH50009918	MH50009919	WOODBURY DR	WWS	200	CO	11.73	5.51	0
MA50012326	I21	MH50009920	MH50009921	BARRINGTON AV	WWS	200	CO	100.60	5.36	0
MA50012330	I21	MH50009925	MH50009921	BARRINGTON AV	WWS	200	CO	8.80	5.39	0
MA50012331	I21	MH50009919	MH50009921	PULBERRY ST	WWS	300	CO	75.67	5.85	0
MA50012332	I21	MH50009921	MH50009160	PULBERRY ST	WWS	300	CO	77.55	5.85	0
MA50012335	I21	MH50009164	MH50009928	ST VITAL RD	WWS	450	CO	47.85	2.231	0
MA50012336	I21	MH50009928	MH50009929	ST VITAL RD	WWS	450	CO	85.00	2.466	0
MA50012348	I21	MH50009939	MH50009940	SALME DR	WWS	200	CO	43.44	3.136	0
MA50012381	I21	MH50009972	MH50009160	ST VITAL RD	WWS	200	CO	93.40	5.244	0
MA50012385	I22	MH50009976	MH50009919	WAKEFIELD BY	WWS	200	CO	100.30	5.51	0
MA50012390	I22	MH50009978	MH50009919	PULBERRY ST	WWS	300	CO	75.27	5.92	0

WORK PROGRAM - WASTEWATER SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50014947	I22	MH50012012	MH50009976	WAKEFIELD BY	WWS	200	CO	101.90	3.509	0
MA50014997	I22	MH50012038	MH50012039	MOORE AV	WWS	300	CO	121.30	6.46	0
MA50015013	I22	MH50012039	MH50009978	MOORE AV	WWS	300	CO	123.57	6.46	0
MA50015064	I22	MH50012081	MH50012082	CROFTON BY	WWS	200	CO	96.91	3.176	0
MA50015065	I22	MH50012082	MH50012083	CROFTON BY	WWS	200	CO	95.50	3.849	0
MA50015070	I23	MH50012087	MH50012088	CROFTON BY	WWS	200	CO	93.70	3.873	0
MA50015071	I23	MH50012088	MH50012089	CROFTON BY	WWS	200	CO	97.76	4.092	0
MA50015072	I23	MH50012089	MH50012072	CROFTON BY	WWS	200	CO	36.21	4.092	0
MA50015076	I23	MH50012093	MH50012094	WEAVER BY	WWS	200	CO	85.90	3.058	0
MA50015077	I23	MH50012094	MH50012095	WEAVER BY	WWS	200	CO	87.41	4.094	0
MA50018542	I23	MH50012083	MH50012084	CROFTON BY	WWS	200	CO	97.13	4.21	0
MA50014990	I24	MH50012031	MH50012032	PARKVILLE BY	WWS	200	CO	7.00	5.42	0
MA50015027	I24	MH50012032	MH50012061	PARKVILLE BY	WWS	200	CO	75.47	5.42	0
MA50015028	I24	MH50012061	MH50012033	CABOT CR ROW	WWS	250	ZZZ	66.08	5.6	0
MA50015040	I24	MH50012071	MH50012061	PARKVILLE DR	WWS	250	CO	82.00	5.53	0
MA50015078	I24	MH50012095	MH50012071	WEAVER BY	WWS	200	CO	76.60	4.737	0
MA50015081	I24	MH50012098	MH50012071	PARKVILLE DR	WWS	200	CO	92.98	4.402	0
MA50015085	I24	MH50012102	MH50012103	WEAVER BY	WWS	200	CO	82.89	4.2	0
MA50015086	I24	MH50012103	MH50012071	WEAVER BY	WWS	200	CO	76.60	4.197	0
MA50014989	I25	MH50012030	MH50012031	PARKVILLE BY ROW	WWS	450	PVC	80.26	5.42	0
MA50015017	I25	MH50011759	MH50012030	ARDEN AV	WWS	200	CO	130.70	5.168	0
MA50015023	I25	MH50012059	MH50012031	PARKVILLE BY	WWS	200	CO	126.83	5.4	0
MA50015045	I25	MH50012075	MH50012030	ARDEN AV	WWS	200	CO	129.30	5.159	0
MA50012165	J16	MH50009757	MH50009758	DUNKIRK DR BACK LANE	WWS	250	CO	39.40	0	0
MA50012008	J17	PL50002363	MH50009629	DUNKIRK DR	WWS	300	CO	24.00	4.04	12500
MA50012166	J17	MH50009758	MH50009759	DUNKIRK DR BACK LANE	WWS	250	CO	46.70	0	0
MA50012167	J17	MH50009759	MH50009630	DUNKIRK DR BACK LANE	WWS	250	CO	23.80	3.87	0
MA70024706	J17	MH50009629	MH50009630	WEST FERNWOOD AV	WWS	300	PVC	68.51	4.13	0
MA50012273	J19	MH50009868	MH50009869	DUNKIRK DR	WWS	250	AC	87.80	2.887	12500
MA70032291	J19	MH50009869	MH50009853	DUNKIRK DR	WWS	250	AC	114.35	2.511	12500
MA50012236	J20	MH50009832	MH50009833	DUNKIRK DR	WWS	250	AC	14.00	2.762	12500
MA50012237	J20	MH50009833	MH50009825	DUNKIRK DR	WWS	250	AC	52.76	2.695	12500
MA50012337	J20	MH50009929	MH50009930	ST VITAL RD	WWS	450	CO	97.82	2.756	0
MA50012338	J20	MH50009930	MH50009931	ST VITAL RD	WWS	450	CO	28.14	2.796	0
MA50012339	J20	MH50009931	MH50009825	ST VITAL RD	WWS	450	CO	53.00	2.637	0
MA70032293	J20	MH50009853	MH50009832	DUNKIRK DR	WWS	250	AC	104.58	2.701	12500
MA50012322	J21	MH50009915	MH50009916	WOODBURY DR	WWS	200	CO	99.40	4.184	0
MA50012323	J21	MH50009916	MH50009917	WOODBURY DR	WWS	200	CO	97.32	4.596	0
MA50012324	J21	MH50009917	MH50009918	WOODBURY DR	WWS	200	CO	94.20	4.596	0
MA50012327	J21	MH50009922	MH50009923	BARRINGTON AV	WWS	200	CO	91.70	3.899	0
MA50012328	J21	MH50009923	MH50009924	BARRINGTON AV	WWS	200	CO	105.30	3.903	0
MA50012329	J21	MH50009924	MH50009925	BARRINGTON AV	WWS	200	CO	99.40	2.869	0
MA50012334	J21	MH50009926	MH50009927	MOORE AV	WWS	300	CO	119.40	4.18	0
MA50015052	J22	MH50009927	MH50009978	MOORE AV	WWS	300	CO	122.06	3.91	0
MA50015116	J22	PL50003217	MH50012130	HASTINGS SCHOOL YARD	WWS	200	CO	48.80	2.63	0
MA50015069	J23	MH50012086	MH50012087	CROFTON BY	WWS	200	CO	78.40	2.862	0
MA50015075	J23	MH50012092	MH50012093	WEAVER BY	WWS	200	CO	93.50	2.799	0
MA50015079	J23	MH50012096	MH50012097	PARKVILLE DR	WWS	200	CO	76.75	3.003	0
MA50015080	J23	MH50012097	MH50012098	PARKVILLE DR	WWS	200	CO	98.90	3.311	0
MA50015043	J24	MH50012073	MH50012074	ARDEN AV	WWS	200	CO	125.00	3.648	0
MA50015044	J24	MH50012074	MH50012075	ARDEN AV	WWS	200	CO	124.70	4.06	0

WORK PROGRAM - WASTEWATER SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50015083	J24	MH50012100	MH50012101	WEAVER BY	WWS	200	CO	92.60	3.11	0
MA50015084	J24	MH50012101	MH50012101	WEAVER BY	WWS	200	CO	97.20	3.31	0
MA50012009	K17	MH50009634	MH50009629	DUNKIRK DR	WWS	300	CO	146.05	4.04	12500
MA50012174	K17	MH50009631	MH50009632	WEST FERNWOOD AV	WWS	250	POLYCONC	64.80	4.35	0
MA50012175	K17	MH50009632	MH50009633	WEST FERNWOOD AV	WWS	250	POLYCONC	67.00	4.36	0
MA50012177	K17	MH50009776	MH50009630	DUNKIRK DR BACK LANE	WWS	250	CO	130.70	3.94	0
MA50012489	K17	MH50009630	MH50009631	WEST FERNWOOD AV	WWS	250	POLYCONC	64.93	3.87	0
MA50012176	K18	MH50009775	MH50009776	DUNKIRK DR BACK LANE	WWS	250	CO	68.30	3.538	0
MA50012191	K18	MH50009788	MH50009775	NORBERRY DR	WWS	250	CLAY	20.17	3.542	0
MA50015617	K18	PL50003401	MH50012510	DUNKIRK DR	WWS	250	AC	1.20	0	12500
MA70032295	K18	MH50012510	MH50009868	DUNKIRK DR	WWS	250	AC	82.11	2.887	12500
MA50012231	K19	MH50009827	MH50009828	ST VITAL RD	WWS	450	CLAY	119.61	3.323	0
MA50012244	K19	MH50009839	MH50009827	KENWOOD PL	WWS	250	ZZZ	101.57	2.844	0
MA50012229	K20	MH50009825	MH50009826	ST VITAL RD	WWS	450	CO	78.60	2.637	0
MA50012230	K20	MH50009826	MH50009827	ST VITAL RD	WWS	450	CO	113.29	2.914	0
MA50012275	K20	MH50009870	MH50009871	BARRINGTON AV	WWS	300	CO	122.20	3.179	0
MA50012283	K20	PL50002421	MH50009870	BARRINGTON AV	WWS	300	CO	29.44	2.253	0
MA50012316	K21	MH50009909	MH50009910	MOORE AV	WWS	300	CO	150.16	3.384	0
MA50012321	K21	PL50002429	MH50009915	WOODBURY DR	WWS	200	CO	33.47	3.793	12500
MA50012333	K21	MH50009909	MH50009926	MOORE AV	WWS	300	CO	112.66	4.033	0
MA50015117	K22	MH50012130	MH50012131	HASTINGS SCHOOL YARD	WWS	250	CO	91.40	2.68	0
MA50015118	K22	MH50012131	MH50012132	HASTINGS BV	WWS	250	CO	71.60	3.05	0
MA50015119	K22	MH50012132	MH50009988	HASTINGS BV	WWS	250	CO	151.37	3.248	0
MA50015109	K23	MH50012123	MH50012124	PARKVILLE DR	WWS	300	CO	139.30	2.45	0
MA50015110	K23	MH50012124	MH50012125	PARKVILLE DR	WWS	250	CO	85.06	3.018	0
MA50015088	K24	MH50012105	MH50012106	ARDEN AV	WWS	200	CO	75.90	2.605	0
MA50015089	K24	MH50012106	MH50012073	ARDEN AV	WWS	200	CO	76.38	3.525	0
MA50015094	K24	MH50012109	MH50012110	ST MARYS RD	WWS	375	CO	17.92	3.335	20000
MA50009328	L10	MH50007723	TE50001503	SHERWOOD PL	WWS	300	CO	28.10	4.68	0
MA50009329	L10	MH50007725	MH50007723	SHERWOOD PL	WWS	300	CO	80.00	4.68	0
MA70007111	L19	MH50009828	MH70003104	ST VITAL RD	WWS	450	CLAY	110.30	3.326	0
MA70007112	L19	MH70003104	MH50009807	ST MARYS RD	WWS	450	CLAY	11.00	3.912	20000
MA50012276	L20	MH50009871	MH50009872	BARRINGTON AV	WWS	300	CO	121.30	3.621	0
MA50012277	L20	MH50009872	MH50009806	BARRINGTON AV	WWS	300	CO	110.02	3.806	0
MA50012317	L20	MH50009910	MH50009911	MOORE AV	WWS	300	CO	148.70	3.657	0
MA50012401	L21	MH50009988	MH50009989	HASTINGS BV	WWS	300	CO	72.80	3.246	0
MA50012402	L21	MH50009989	MH50009983	HASTINGS BV	WWS	300	CO	72.55	3.937	0
MA50015115	L21	MH50012129	MH50009982	MARALBO AV W	WWS	250	CO	20.65	3.964	20000
MA50015101	L22	MH50012116	MH50009982	ST MARYS RD	WWS	600	CO	90.64	4.013	20000
MA50015113	L22	MH50012127	MH50012128	MARALBO AV W	WWS	250	CO	66.70	2.691	0
MA50015114	L22	MH50012128	MH50012129	MARALBO AV W	WWS	250	CO	70.90	3.307	0
MA70001556	L22	MH50012125	MH70000667	PARKVILLE DR	WWS	300	ZZZ	92.85	2.878	0
MA70001563	L22	MH70000667	MH70000668	PARKVILLE DR	WWS	300	ZZZ	115.40	3.32	0
MA70001564	L22	MH70000668	MH50012116	PARKVILLE DR	WWS	300	ZZZ	19.13	3.61	20000
MA50015087	L23	MH50012104	MH50012105	ARDEN AV	WWS	200	CO	113.00	2.72	0
MA50015096	L23	MH50012111	MH50012112	ST MARYS RD	WWS	450	CO	114.88	3.706	20000
MA50015097	L23	MH50012112	MH50012113	ST MARYS RD	WWS	450	CO	62.10	3.725	20000
MA50015098	L23	MH50012113	MH50012114	ST MARYS RD	WWS	450	CO	51.91	3.774	20000
MA50015102	L23	PL50003216	MH50012112	ARDEN AV	WWS	200	CO	1.53	3.715	20000
MA50015103	L23	MH50012117	MH50012113	DAKOTA ST	WWS	250	CO	121.89	3.725	12500
MA50015095	L24	MH50012110	MH50012111	ST MARYS RD	WWS	375	CO	115.48	3.529	20000

WORK PROGRAM - WASTEWATER SEWERS
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APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50015104	L24	MH50012118	MH50012119	CHESTERFIELD AV	WWS	200	CO	82.00	5.301	0
MA50015106	L24	MH50012120	MH50012110	CHESTERFIELD AV	WWS	250	CO	61.36	3.335	0
MA50015107	L24	MH50012121	MH50012122	CHESTERFIELD AV BACK LANE	WWS	250	CO	64.38	0.605	0
MA50015108	L24	MH50012122	MH50012120	CHESTERFIELD AV AT BACK LANE	WWS	250	CO	57.87	1.208	0
MA50015093	L25	MH50012108	MH50012109	ST MARYS RD	WWS	300	CO	97.60	3.325	20000
MA50013464	L6	MH50010800	MH50010792	HARROWBY AV	WWS	450	CO	26.19	6.165	20000
MA50013574	M10	MH50010876	MH50007725	SHERWOOD PL	WWS	300	CO	109.68	3.29	0
MA50013578	M10	MH50010880	MH50010881	VARENNES AV	WWS	300	CLAY	84.11	0	0
MA50019835	M10	MH50010881	MH50015140	VARENNES AV	WWS	300	CLAY	71.31	0	0
MA50009374	M11	MH50007762	MH50007756	REGAL AV	WWS	300	PVC	89.60	3.61	0
MA50009378	M11	MH50007766	MH50007762	REGAL AV	WWS	300	PVC	89.80	3.16	0
MA50017928	M18	MH50014449	MH50014448	POPLARWOOD AV	WWS	250	CO	148.28	0	0
MA50017915	M20	MH50014436	MH50009911	SADLER AV	WWS	300	CO	150.01	4.185	0
MA50018727	M20	MH50015030	MH50014436	SADLER AV	WWS	300	CO	139.78	3.504	0
MA50015668	M21	MH50012529	MH50012530	WORTHINGTON AV	WWS	300	CO	146.40	3.221	0
MA50017923	M21	MH50014445	MH50009983	HINDLEY AV	WWS	300	CO	122.39	0	0
MA50017924	M21	MH50014446	MH50014445	HINDLEY AV	WWS	300	CO	124.48	3.109	0
MA50018742	M21	MH50015043	MH50015044	MARALBO ST E	WWS	250	AC	106.60	2.77	0
MA50018743	M21	MH50015044	MH50015045	MARALBO ST E	WWS	250	AC	92.35	3.73	0
MA50015099	M22	MH50012114	MH50012115	ST MARYS RD	WWS	450	CO	82.15	3.78	20000
MA50015100	M22	MH50012115	MH50012116	ST MARYS RD	WWS	450	CO	22.01	3.802	20000
MA50018474	M22	MH50012530	MH50012116	WORTHINGTON AV	WWS	300	CO	135.30	3.787	0
MA50018744	M22	MH50015045	MH50009982	MARALBO ST E	WWS	250	AC	38.90	3.975	0
MA50018784	M23	MH50015061	MH50015062	DAKOTA ST	WWS	250	AC	75.52	2.265	12500
MA50018785	M23	MH50015063	MH50015062	BELIVEAU RD	WWS	200	CO	95.63	3.124	0
MA50018788	M23	MH50015062	MH50012117	DAKOTA ST	WWS	250	CO	42.80	3.29	12500
MA50018789	M23	MH50012559	MH50015061	DAKOTA ST	WWS	250	CO	6.14	2.157	12500
MA50015105	M24	MH50012119	MH50012120	CHESTERFIELD AV	WWS	250	CO	78.60	2.922	0
MA50015713	M24	MH50012559	MH50012118	CHESTERFIELD AV	WWS	200	CO	86.63	5.465	0
MA50015629	M5	MH50010801	MH50010800	HARROWBY AV	WWS	450	CO	118.90	4.694	0
MA50013467	M6	MH50010803	TE50002683	HARROWBY AV	WWS	300	ZZZ	26.00	1.22	0
MA50013470	M6	PL50002686	MH50010804	OVERTON ST	WWS	250	CO	16.80	2.105	0
MA50013472	M6	MH50010804	MH50010805	DUNRAVEN AV	WWS	300	CO	63.53	2.25	0
MA50015627	M6	MH50012515	MH50012516	OVERTON ST	WWS	200	CO	83.41	3.01	0
MA50015628	M6	MH50012516	TE50003406	OVERTON ST	WWS	200	CO	4.06	3.01	0
MA50013174	M7	MH50010591	MH50010592	CLONARD AV	WWS	300	CO	112.81	5.46	0
MA50013473	M7	MH50010805	MH50010806	DUNRAVEN AV	WWS	300	CO	71.00	2.827	0
MA50013474	M7	MH50010806	TE50002688	DUNRAVEN AV	WWS	300	CO	19.80	2.827	20000
MA50015625	M7	MH50012514	MH50010829	BLENHEIM AV	WWS	300	CO	96.33	4.91	0
MA50015635	M7	MH50012517	TE50003408	OVERTON ST	WWS	200	CO	42.80	3.264	0
MA70018001	M7	MH50010586	MH50010587	STRANMILLIS AV	WWS	450	PVC	30.10	6.11	0
MA70032297	M7	MH50012513	TE50003408	BLENHEIM AV	WWS	300	CO	19.86	3.805	0
MA70032299	M7	TE50003408	MH50012514	BLENHEIM AV	WWS	300	CO	92.76	4.179	0
MA50013165	M8	MH50010580	MH50010581	IMPERIAL AV	WWS	450	CO	30.20	5.647	0
MA50013573	M9	MH50010875	MH50010876	SHERWOOD PL	WWS	300	CO	109.70	2.77	0
MA50009376	N10	MH50007765	MH50007766	REGAL AV	WWS	300	PVC	87.10	2.82	0
MA50013142	N10	MH50010558	MH50010559	AVONDALE RD	WWS	250	CO	115.81	5.589	0
MA50013150	N10	MH50010565	MH50010566	BANK AV	WWS	375	CLAY	115.71	5.64	0
MA50013581	N10	MH50010883	TE50002718	VARENNES AV	WWS	300	CLAY	43.51	0	0
MA50019836	N10	MH50015140	MH50010883	VARENNES AV	WWS	300	CLAY	9.20	0	0
MA50018698	N17	MH50015008	MH50014450	POPLARWOOD AV	WWS	250	CO	128.50	2.64	0

WORK PROGRAM - WASTEWATER SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50017929	N18	MH50014450	MH50014451	POPLARWOOD AV	WWS	250	CO	73.90	2.64	0
MA50017930	N18	MH50014451	MH50014449	POPLARWOOD AV	WWS	250	CO	76.50	0	0
MA50018725	N19	MH50014438	MH50015029	SADLER AV	WWS	300	CO	122.98	2.723	0
MA50018726	N19	MH50015029	MH50015030	SADLER AV	WWS	300	CO	124.00	3.179	0
MA50017925	N20	MH50014447	MH50014446	HINDLEY AV	WWS	300	CO	112.80	2.886	0
MA50017926	N20	MH50014444	MH50014447	HINDLEY AV	WWS	250	CO	124.77	2.682	0
MA50014545	N21	MH50011652	MH50011653	WORTHINGTON AV	WWS	300	CO	144.30	2.909	0
MA50015667	N21	MH50011653	MH50012529	WORTHINGTON AV	WWS	300	CO	147.30	3.088	0
MA50018740	N21	MH50015041	MH50015042	MARALBO ST E	WWS	250	AC	15.50	3.11	0
MA50018741	N21	MH50015042	MH50015043	MARALBO ST E	WWS	250	AC	87.00	2.8	0
MA50013385	N5	MH50010751	MH50010752	DES MEURONS ST	WWS	300	CO	84.20	3.613	0
MA50013386	N5	MH50010753	MH50010752	HARROWBY AV	WWS	300	CLAY	107.60	3.6	0
MA50013466	N5	MH50010752	MH50010802	HARROWBY AV	WWS	375	CLAY	112.96	4.131	0
MA50013465	N6	MH50010802	MH50010801	HARROWBY AV	WWS	450	ZZZ	122.58	0.28	0
MA50013471	N6	PL50005854	MH50010804	VERTON ST	WWS	250	CO	30.62	2.105	0
MA50015620	N6	MH50012511	MH50012512	BLENHEIM AV	WWS	300	CO	152.13	3.037	0
MA50015623	N6	MH50012512	MH50012513	BLENHEIM AV	WWS	300	CO	110.00	3.829	0
MA50013167	N7	MH50010583	MH50010584	STRANMILLIS AV	WWS	450	CLAY	112.81	4.15	0
MA50013168	N7	MH50010584	MH50010585	STRANMILLIS AV	WWS	450	CLAY	111.61	4.628	0
MA50013172	N7	MH50010589	MH50010590	CLONARD AV	WWS	300	CO	112.21	4.03	0
MA50013173	N7	MH50010590	MH50010591	CLONARD AV	WWS	300	CSP	119.21	4.6	0
MA50013159	N8	MH50010574	MH50010575	HUMBOLDT AV	WWS	300	CO	136.41	5.46	0
MA50013163	N8	MH50010578	MH50010579	IMPERIAL AV	WWS	375	CLAY	128.91	4.92	0
MA50013164	N8	MH50010579	MH50010580	IMPERIAL AV	WWS	450	CLAY	152.41	5.65	0
MA50013169	N8	MH50010585	MH50010586	STRANMILLIS AV	WWS	450	CO	82.11	5.085	0
MA50015603	N8	MH50012499	MH50012498	PILGRIM AV	WWS	375	CLAY	110.47	3.78	0
MA70032289	N8	MH50012498	TE50003395	PILGRIM AV	WWS	375	CO	112.01	3.674	0
MA50013156	N9	MH50010571	MH50010567	HANDYSIDE AV	WWS	300	CO	157.31	6.291	0
MA50013160	N9	MH50010575	MH50010576	HUMBOLDT AV	WWS	300	CO	123.11	6.24	0
MA50013139	O10	MH50010554	MH50010555	REGAL AV	WWS	250	CO	152.42	3.791	0
MA50013140	O10	MH50010555	MH50010556	REGAL AV	WWS	250	CO	121.01	4.458	0
MA50013143	O10	MH50010560	MH50010558	AVONDALE RD	WWS	250	CO	143.32	3.411	0
MA50017949	O17	PL50004235	MH50014467	PORTLAND AV	WWS	200	ZZZ	2.00	0	0
MA50017950	O17	MH50014467	MH50014468	PORTLAND AV	WWS	200	ZZZ	62.60	0	0
MA50017951	O17	MH50014468	MH50014466	PORTLAND AV	WWS	200	ZZZ	101.52	0	0
MA50018697	O17	PL50004566	MH50015008	POPLARWOOD AV	WWS	250	CO	2.00	2.5	0
MA50018716	O18	MH50014439	MH50015022	SADLER AV	WWS	250	CO	125.55	3.315	0
MA50017916	O19	MH50014437	MH50014438	FITZPATRICK RD	WWS	250	CO	101.80	1.909	0
MA50017917	O19	MH50014438	MH50014439	SADLER AV	WWS	250	CO	118.30	2.602	0
MA50017921	O19	MH50014443	MH50014442	HINDLEY AV	WWS	200	CO	95.63	2.238	0
MA50014544	O20	MH50011652	MH50011612	WORTHINGTON AV	WWS	300	CO	144.70	2.699	0
MA50017922	O20	MH50014443	MH50014444	HINDLEY AV	WWS	250	CO	137.23	2.417	0
MA50013381	O5	MH50010747	MH50010749	DUNRAVEN AV	WWS	250	CO	47.20	2.406	0
MA50013383	O5	MH50010749	MH50010750	DUNRAVEN AV	WWS	250	CO	118.03	2.659	0
MA50013384	O5	MH50010750	MH50010751	DUNRAVEN AV	WWS	250	CO	104.50	3.182	0
MA50013388	O5	MH50010755	MH50010754	HARROWBY AV	WWS	250	CLAY	51.07	2.062	0
MA70013430	O5	MH50010754	MH50010753	HARROWBY AV	WWS	250	CLAY	122.49	2.373	0
MA50013171	O6	MH50010588	MH50010589	CLONARD AV	WWS	300	CO	122.21	3.56	0
MA50013176	O6	MH50010594	MH50010588	CLONARD AV	WWS	300	CO	135.28	3.42	0
MA50015621	O6	MH50012509	MH50012511	BLENHEIM AV	WWS	300	PVC	140.23	2.66	0
MA50015622	O6	MH50012508	MH50012509	BLENHEIM AV	WWS	250	CO	114.60	2.222	0

WORK PROGRAM - WASTEWATER SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50013162	O7	MH50010577	MH50010578	IMPERIAL AV	WWS	375	CLAY	141.31	4.7	0
MA50013166	O7	MH50010582	MH50010583	STRANMILLIS AV	WWS	375	CLAY	115.21	4.087	0
MA50013181	O7	MH50010598	MH50010582	STRANMILLIS AV	WWS	375	CLAY	91.04	3.704	0
MA50013185	O7	MH50010601	MH50010577	IMPERIAL AV	WWS	300	CLAY	73.98	3.607	0
MA50015607	O7	MH50012503	MH50012502	PILGRIM AV	WWS	300	CLAY	9.50	3.31	0
MA50013154	O8	MH50010569	MH50010570	HANDYSIDE AV	WWS	300	CO	81.61	4	0
MA50013158	O8	MH50010573	MH50010574	HUMBOLDT AV	WWS	300	CO	134.41	4.88	0
MA50015605	O8	MH50012501	MH50012499	PILGRIM AV	WWS	375	CLAY	104.93	3.45	0
MA50015606	O8	MH50012502	MH50012501	PILGRIM AV	WWS	300	CLAY	124.10	3.31	0
MA50013148	O9	MH50010563	MH50010564	BANK AV	WWS	375	CLAY	118.81	3.716	0
MA50013149	O9	MH50010564	MH50010565	BANK AV	WWS	375	CLAY	115.71	3.894	0
MA50013155	O9	MH50010570	MH50010571	HANDYSIDE AV	WWS	300	CO	154.61	4.46	0
MA50013141	P10	MH50010557	MH50010554	REGAL AV	WWS	250	CO	161.82	3.051	0
MA50017314	P12	MH50013722	MH50013561	SEAGRIM RD	WWS	525	CO	55.20	2.479	0
MA50017315	P12	MH50013561	MH50013752	NIAKWA RD	WWS	300	CO	9.14	4.32	0
MA50017318	P12	MH50013752	MH50013774	NIAKWA RD	WWS	300	CO	67.90	4.308	0
MA50017319	P12	MH50013774	MH50013804	NIAKWA RD	WWS	300	CO	70.06	4.4	0
MA50017320	P13	MH50013804	MH50013807	NIAKWA RD	WWS	300	CO	40.30	4.573	0
MA50014481	P17	MH50011594	MH50011595	BERRYDALE AV	WWS	300	CO	124.70	4.904	0
MA50018717	P18	MH50015022	MH50015023	SADLER AV	WWS	300	CO	108.00	4.006	0
MA50018722	P18	MH50015028	MH50015023	SADLER AV	WWS	300	CO	100.00	4.006	0
MA50018724	P18	MH50015023	MH50011595	ST GEORGE RD	WWS	450	CO	151.12	5.135	0
MA70012071	P18	MH70004841	TE70005344	ST GEORGE RD	WWS	450	CO	14.57	0	0
MA50017919	P19	MH50014441	MH50014440	HINDLEY AV	WWS	250	CO	121.56	3.579	0
MA50017920	P19	MH50014442	MH50014441	HINDLEY AV	WWS	250	CO	113.70	3.117	0
MA70012068	P19	MH50011597	MH70004841	ST GEORGE RD	WWS	450	CO	71.32	2.803	0
MA50014500	P20	MH50011612	MH50011613	WORTHINGTON AV	WWS	250	CO	92.00	2.515	0
MA50014501	P20	MH50011613	MH50011611	WORTHINGTON AV	WWS	250	CO	120.81	2.72	0
MA50014542	P20	MH50011649	MH50011612	FITZPATRICK RD	WWS	250	CO	101.90	2.059	0
MA50013390	P4	MH50010756	MH50010755	EGERTON RD	WWS	250	CO	26.10	2.024	0
MA50013379	P5	MH50010746	MH50010747	EGERTON RD	WWS	250	CO	41.80	2.425	0
MA50013380	P5	MH50010748	MH50010747	EGERTON RD	WWS	250	CO	26.70	2.406	0
MA50015626	P5	PL50003400	MH50012508	BLENHEIM AV	WWS	250	CO	1.51	1.872	0
MA50013175	P6	MH50010593	MH50010594	CLONARD AV	WWS	250	CO	152.70	2.974	0
MA50013183	P6	MH50010599	MH50010600	IMPERIAL AV	WWS	200	AC	156.40	3.82	0
MA70029018	P6	PL50002589	MH50010593	CLONARD AV	WWS	300	ZZZ	17.70	2.66	0
MA50013184	P7	MH50010600	MH50010601	IMPERIAL AV	WWS	300	CLAY	102.20	3.591	0
MA50015608	P7	MH50012504	MH50012503	PILGRIM AV	WWS	300	CLAY	93.24	3.15	0
MA50015609	P7	MH50012505	MH50012504	PILGRIM AV	WWS	300	CLAY	85.80	2.92	0
MA50015610	P7	MH50012506	MH50012505	PILGRIM AV	WWS	250	CO	110.00	2.844	0
MA50013153	P8	MH50010568	MH50010569	HANDYSIDE AV	WWS	250	CO	82.11	3.827	0
MA50013157	P8	MH50010572	MH50010573	HUMBOLDT AV	WWS	300	CO	126.01	4.03	0
MA50013188	P8	MH50010604	MH50010572	HUMBOLDT AV	WWS	300	CO	122.80	3.838	0
MA50013190	P8	MH50010605	MH50010606	HANDYSIDE AV	WWS	250	CO	79.00	4.408	0
MA50013191	P8	MH50010606	MH50010568	HANDYSIDE AV	WWS	250	CO	73.28	4.218	0
MA50013193	P8	MH50010608	MH50010562	BANK AV	WWS	250	CO	108.68	3.814	0
MA50013144	P9	MH50010561	MH50010560	AVONDALE RD	WWS	250	CO	149.32	2.829	0
MA50013146	P9	PL50002588	MH50010561	AVONDALE RD	WWS	250	CO	39.81	2.08	0
MA50013147	P9	MH50010562	MH50010563	BANK AV	WWS	375	CLAY	107.41	3.814	0
MA50017308	Q12	MH50013558	MH50013561	NIAKWA RD	WWS	250	CO	73.50	4.32	0
MA50017309	Q12	MH50013583	MH50013558	NIAKWA RD	WWS	250	CO	46.78	3.839	0

WORK PROGRAM - WASTEWATER SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50017310	Q12	MH50013600	MH50013583	NIAKWA RD	WWS	250	AC	29.10	3.65	0
MA50017311	Q12	MH50013619	MH50013600	NIAKWA RD	WWS	250	AC	44.58	3.59	0
MA50014462	Q15	MH50011579	MH50011580	WINGHAM AV	WWS	300	CO	39.40	3.081	0
MA50014465	Q16	MH50011582	MH50011579	ROW	WWS	250	ZZZ	105.06	3.014	0
MA50014467	Q16	MH50011584	MH50011585	BERRYDALE AV	WWS	300	CO	37.50	2.964	0
MA50014478	Q16	MH50011585	MH50011592	BERRYDALE AV	WWS	300	CO	19.73	2.964	15000
MA50014474	Q17	MH50011590	MH50011585	ST ANNES RD	WWS	250	CO	76.67	2.92	15000
MA50014479	Q17	MH50011592	MH50011593	BERRYDALE AV	WWS	300	CO	113.10	3.45	0
MA50014480	Q17	MH50011593	MH50011594	BERRYDALE AV	WWS	300	CO	123.10	3.815	0
MA50014489	Q18	MH50011600	MH50011601	HINDLEY AV	WWS	250	CO	119.20	3.893	0
MA50018721	Q18	MH50015027	MH50015028	SADLER AV	WWS	300	CO	127.00	3.48	0
MA70012070	Q18	TE70005344	MH50014483	ST GEORGE RD	WWS	250	PVC	4.90	0	0
MA70012072	Q18	TE70005344	MH50015023	ST GEORGE RD	WWS	450	CO	65.22	3.4	0
MA50014490	Q19	MH50011601	MH50011597	HINDLEY AV	WWS	250	CO	111.86	3.74	0
MA50014498	Q19	MH50011609	MH50011610	WORTHINGTON AV	WWS	300	CO	121.90	3.602	0
MA50017918	Q19	MH50014440	MH50011597	HINDLEY AV	WWS	450	CO	22.18	3.993	0
MA70003281	Q19	MH50011610	MH50014440	ST GEORGE RD	WWS	450	CO	151.20	3.7	0
MA50014499	Q20	MH50011611	MH50011610	WORTHINGTON AV	WWS	300	CO	116.70	3.602	0
MA50013182	Q6	PL50002590	MH50010595	STRANMILLIS AV	WWS	300	CLAY	10.00	2.197	0
MA50015613	Q6	MH50012507	MH50010599	IMPERIAL AV	WWS	200	AC	15.56	3.146	0
MA50015614	Q6	MH50010741	MH50012507	IMPERIAL AV	WWS	200	AC	47.53	3.417	0
MA50013186	Q7	MH50010602	MH50010603	HUMBOLDT AV	WWS	200	CO	54.48	3.155	0
MA50013187	Q7	MH50010603	MH50010604	HUMBOLDT AV	WWS	300	CO	63.40	3.514	0
MA50013189	Q8	PL50002591	MH50010605	HANDYSIDE AV	WWS	250	CO	45.10	0	0
MA50013192	Q8	MH50010607	MH50010608	BANK AV	WWS	300	CO	101.50	2.612	0
MA50013194	Q8	MH50010609	MH50010610	BANK AV	WWS	200	CO	37.55	3.03	0
MA50013195	Q8	MH50010610	MH50010607	BANK AV	WWS	200	CO	9.98	2.652	0
MA50013197	Q8	MH50010612	MH50010609	EGERTON RD	WWS	200	AC	35.91	3.395	0
MA50013198	Q8	MH50010613	MH50010612	EGERTON RD	WWS	200	AC	27.39	3.395	0
MA50017312	R12	MH50013639	MH50013619	NIAKWA RD	WWS	250	AC	20.38	3.584	0
MA50017313	R12	MH50013682	MH50013639	NIAKWA RD	WWS	250	AC	74.26	4.002	0
MA50014461	R15	MH50011578	MH50011579	WINGHAM AV	WWS	300	CO	124.13	3.014	0
MA50014463	R15	MH50011581	MH50011578	CLAYTON DR	WWS	250	CO	105.06	3.008	0
MA50014464	R16	MH50011581	MH50011582	BAYFIELD AV	WWS	250	CO	124.14	2.658	0
MA50014466	R16	MH50011583	MH50011584	BERRYDALE AV	WWS	300	CO	130.00	2.281	0
MA50014470	R16	MH50011588	MH50011586	CLAYTON DR	WWS	250	CLAY	51.70	2.103	0
MA50014475	R16	MH50011591	MH50011583	BERRYDALE AV	WWS	300	CO	97.30	2.281	0
MA50014472	R17	MH50011588	MH50011589	CLAYTON DR	WWS	250	CLAY	16.80	2.103	0
MA50014473	R17	MH50011589	MH50011590	CLAYTON DR	WWS	250	CLAY	111.30	2.711	0
MA50018718	R17	MH50015024	MH50015025	SADLER AV	WWS	300	CO	123.10	2.917	0
MA50018719	R17	MH50015025	MH50015026	SADLER AV	WWS	300	CO	67.00	2.917	0
MA50018720	R17	MH50015026	MH50015027	SADLER AV	WWS	300	CO	67.00	3.145	0
MA50014491	R18	MH50011602	MH50011600	HINDLEY AV	WWS	300	CO	107.33	3.552	0
MA50014492	R18	MH50011603	MH50011602	HINDLEY AV	WWS	300	CO	116.40	3.161	0
MA50014495	R18	MH50011606	MH50011607	WORTHINGTON AV	WWS	300	CO	16.50	2.697	12500
MA50014496	R19	MH50011607	MH50011608	WORTHINGTON AV	WWS	300	CO	93.60	3.023	0
MA70012304	R19	MH50011608	MH50011609	WORTHINGTON AV	WWS	300	CO	121.90	3.02	0
MA50013196	R8	MH50010611	MH50010609	EGERTON RD	WWS	200	AC	41.38	3.124	0
MA50014468	S16	MH50011586	MH50011587	CLAYTON DR	WWS	250	CO	11.30	2.06	0
MA50014469	S16	MH50011587	MH50011583	CLAYTON DR	WWS	250	CO	64.42	2.33	0
MA50018730	S16	MH50015032	MH50015033	OUSTIC AV E	WWS	250	CO	43.98	2.079	0

WORK PROGRAM - WASTEWATER SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50018731	S16	MH50015033	MH50011586	CLAYTON DR	WWS	250	CO	20.00	2.043	0
MA50014493	S17	MH50011604	MH50011603	HINDLEY AV	WWS	250	CO	122.30	2.795	0
MA50014494	S17	MH50011605	MH50011604	HINDLEY AV	WWS	250	CO	89.30	2.29	0
MA50018728	S17	MH50015031	MH50015024	SADLER AV	WWS	300	CO	128.93	2.195	0
MA50014506	S18	MH50011618	MH50011619	WORTHINGTON AV	WWS	300	CO	100.60	2.25	0
MA50014507	S18	MH50011619	MH50011620	WORTHINGTON AV	WWS	300	CO	57.50	2.361	0
MA50018539	S18	MH50014877	MH50011618	WORTHINGTON AV	WWS	300	CO	97.76	1.69	0
MA50014508	S19	MH50011620	MH50011606	WORTHINGTON AV	WWS	300	CO	37.98	2.498	0
MA50014512	S19	MH50011624	MH50011606	ST ANNES RD	WWS	250	CO	67.60	2.838	12500
MA70028825	T17	MH50014878	TE70013678	WORTHINGTON AV	WWS	250	CO	27.82	1.28	0
MA50018733	T18	MH50015034	MH50014876	MARLENE ST	WWS	250	CO	41.65	4.778	0
MA70028826	T18	TE70013678	MH50014877	WORTHINGTON AV	WWS	250	CO	0.77	1.46	0
MA70029343	T18	MH50014876	MH70010894	MARLENE ST	WWS	250	CO	62.37	4.143	0
MA70029344	T18	MH70010894	MH50014877	MARLENE ST	WWS	250	CO	10.63	3.01	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50001861	A14	MH50001628	MH50001629	KINGSTON CR	CS	600	CO	93.28	0	0
MA50001862	A14	MH50001629	MH50001630	KINGSTON CR	CS	900 x 600	CO	103.20	0	0
MA50001868	A14	MH50001632	MH50001628	KINGSTON CR	CS	450	CO	117.55	0	0
MA50001845	B13	MH50001611	MH50001612	KINGSTON CR	CS	600	CO	112.20	0	0
MA50001854	B14	MH50001621	MH50001622	KINGSTON CR	CS	300	CLAY	120.12	0	0
MA50001863	B14	MH50001630	MH50001611	KINGSTON CR	CS	600	CO	100.40	0	0
MA50001866	B14	MH50001621	MH50001631	KINGSTON CR	CS	300	CO	93.18	0	0
MA50001867	B14	MH50001631	MH50001632	KINGSTON CR	CS	300	CLAY	85.70	0	0
MA50001846	C13	MH50001612	MH50001613	KINGSTON CR	CS	900 x 600	CO	153.20	0	0
MA50001847	C13	MH50001613	MH50001614	KINGSTON CR	CS	900 x 600	CO	127.30	0	0
MA50001855	C13	MH50001622	MH50001623	KINGSTON CR	CS	300	CLAY	122.60	0	0
MA50001856	D13	MH50001623	MH50001614	KINGSTON CR	CS	375	CLAY	125.20	0	0
MA50014563	D13	MH50001614	MH50011672	KINGSTON RW	CS	900 x 600	CO	62.59	3.151	0
MA50014564	E13	MH50011672	MH50011673	KINGSTON RW	CS	900 x 600	CO	161.30	4.043	0
MA50014565	E13	MH50011673	MH50011674	KINGSTON RW	CS	900 x 750	CO	149.00	5.139	0
MA50014629	F13	MH50011676	MH50011677	DUNKIRK PL	CS	300	ZZZ	94.50	3.54	0
MA70004461	F13	MH50014365	MH50014366	KINGSTON RW	CS	1125 x 750	CO	139.00	5.105	0
MA70004466	F13	MH50011674	MH50014365	KINGSTON RW	CS	900 x 750	CO	7.51	5.105	0
MA70032327	F13	MH50011677	TE70001807	DUNKIRK PL	CS	300	CLAY	110.31	3.56	0
MA50014586	G12	MH50011695	MH50011682	RAMP KINGSTON TO DUNKIRK NB	CS	450	CO	29.20	4.73	0
MA50014576	G13	MH50011684	MH50011682	KINGSTON RW	CS	1125 x 750	CO	20.03	4.83	0
MA50014578	G13	MH50011686	MH50011684	UNDER KINGSTON RW UNDERPASS	CS	1125 x 750	CO	144.23	5.028	0
MA50017753	G13	MH50014366	MH50011686	KINGSTON RW	CS	1125 x 750	CO	98.41	5.487	0
MA50014628	G14	MH50011675	MH50011676	DUNKIRK PL	CS	300	ZZZ	72.64	2.971	0
MA50017749	G14	PL50004163	MH50011675	DUNKIRK PL	CS	300	ZZZ	2.04	0	0
MA50014595	H12	MH50011682	MH50011700	KINGSTON RW	CS	1125 x 750	CO	127.10	6.33	0
MA70023522	H12	MH50011700	MH50011705	KINGSTON RW	CS	1125 x 750	CO	89.00	6.309	0
MA50014328	H13	MH50011449	MH50011450	ELM PARK RD	CS	300	CO	130.50	4.64	0
MA50014330	H13	MH50011453	MH50011454	CUNNINGTON AV	CS	250	CO	40.00	3.66	0
MA50014574	H13	MH50011450	MH50011682	EDINBURGH ST	CS	350	CO	92.83	5.76	0
MA70001036	I11	MH50011708	MH50011709	KINGSTON RW	CS	1350 x 900	CLAY	74.10	6.399	0
MA50014326	I12	MH50011448	MH50011449	ELM PARK RD	CS	300	CO	143.68	2.76	0
MA50014602	I12	MH50011705	MH50011708	KINGSTON RW	CS	1125 x 750	CO	120.50	6.418	0
MA70001040	I12	MH50011448	MH50011471	ELM PARK RD	CS	250	CO	141.32	2.76	0
MA50014331	I13	MH50011454	MH50011455	CUNNINGTON AV	CS	250	CO	117.20	4.51	0
MA50014332	I13	MH50011455	MH50011456	CUNNINGTON AV	CS	300	CO	137.30	4.52	0
MA50012342	I20	MH50009933	MH50009934	TOD DR	CS	200	CO	93.48	2.073	0
MA50012346	I20	MH50009933	MH50009928	TOD DR	CS	200	CO	98.54	1.859	0
MA70003855	J10	MH50010890	MH50011731	KINGSTON RW	CS	300	PVC	71.56	2.95	0
MA70003856	J10	MH50011731	MH50011732	KINGSTON RW	CS	300	PVC	81.04	3.08	0
MA50014351	J11	MH50011472	MH50011473	ELM PARK RD	CS	300	CLAY	112.70	4.21	0
MA50014604	J11	MH50011709	MH50011710	KINGSTON RW	CS	1350 x 900	CLAY	87.98	6.049	0
MA50014605	J11	MH50011710	MH50011711	KINGSTON RW	CS	1350 x 900	CLAY	92.00	6.11	0
MA50014609	J11	MH50011715	MH50011711	KINGSTON RW	CS	300	ZZZ	16.22	5.05	0
MA50014627	J11	MH50011732	MH50011715	KINGSTON RW	CS	300	ZZZ	31.87	5.05	0
MA50017756	J11	MH50011711	MH50014367	ROSEWARNE AV	CS	1350 x 900	CO	114.32	4.55	0
MA50014333	J12	MH50011456	MH50011457	CUNNINGTON AV	CS	500	CLAY	84.70	4.61	0
MA50014339	J12	MH50011461	MH50011462	SPRINGSIDE DR	CS	375	CLAY	106.80	4.082	0
MA50014344	J12	MH50011457	MH50011466	CUNNINGTON AV	CS	525	CO	111.88	4.92	0
MA50014350	J12	MH50011471	MH50011472	ELM PARK RD	CS	300	CLAY	111.80	3.16	0
MA70001565	J13	MH50010956	MH50010948	GLENLAWN AV	CS	300	CO	77.55	4.16	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50013671	J14	MH50010958	MH50010956	GLENLAWN AV	CS	300	CO	77.50	4.1	0
MA50017762	J14	PL50004168	MH50010958	GLENLAWN AV	CS	300	CO	50.57	3.7	0
MA50017772	J15	PL50004169	MH50014381	GLEN AV	CS	375	CO	21.39	3.28	0
MA50017773	J15	MH50014381	MH50014382	GLEN AV	CS	375	CO	79.90	3.61	0
MA50017774	J15	MH50014382	MH50014383	GLEN AV	CS	375	CO	45.30	3.77	0
MA50017775	J15	MH50014383	MH50014384	GLEN AV	CS	375	CO	56.90	4.05	0
MA50017776	J15	MH50014384	MH50014379	GLEN AV	CS	375	CO	92.70	4.12	0
MA50011982	J16	MH50009610	MH50009611	GLENVIEW AV	CS	250	CO	47.01	2.62	0
MA50012241	J19	MH50009837	MH50009838	KENWOOD PL	CS	250	ZZZ	81.10	2.493	0
MA50012343	J20	MH50009934	MH50009935	TOD DR	CS	200	CO	89.40	2.474	0
MA70004669	J20	MH50009935	MH70002109	TOD DR	CS	250	PVC	7.81	2.65	0
MA70004674	J20	MH70002109	MH70002114	TOD DR	CS	250	PVC	93.98	2.66	0
MA70004675	J20	MH70002114	MH50009930	TOD DR	CS	250	PVC	11.79	2.776	0
MA50013594	K10	MH50010889	MH50010887	KINGSTON RW	CS	300	PVC	107.23	3.21	0
MA50013595	K10	MH50010890	MH50010889	KINGSTON RW	CS	300	CLAY	111.39	2.9	0
MA50017633	K10	MH50014291	MH50014292	MAGER DR W	CS	300	CLAY	56.00	2.611	0
MA50017758	K10	MH50014368	MH50010068	ROSEWARNE AV	CS	1350 x 900	CO	88.92	0	0
MA50014352	K11	MH50011473	MH50011474	ELM PARK RD	CS	300	CLAY	111.70	4.21	0
MA50014353	K11	MH50011474	MH50011475	ELM PARK RD	CS	300	CLAY	111.10	0	0
MA50014836	K11	MH50011467	TE50003139	CUNNINGTON AV	CS	600	CLAY	47.79	5.875	0
MA50017757	K11	MH50014367	MH50014368	ROSEWARNE AV	CS	1350 x 900	CO	130.00	0	0
MA70008276	K11	TE50003139	MH50011469	CUNNINGTON AV	CS	600	CLAY	61.01	5.62	0
MA50014340	K12	MH50011462	MH50011463	SPRINGSIDE DR	CS	375	CLAY	71.00	4.373	0
MA50014341	K12	MH50011463	MH50011464	SPRINGSIDE DR	CS	375	CLAY	38.40	4.373	0
MA50014342	K12	MH50011464	MH50011465	SPRINGSIDE DR	CS	375	CLAY	129.70	4.56	0
MA50017760	K12	MH50014370	MH50014371	SUNSET BV	CS	300	PVC	96.40	4.6	0
MA70001498	K12	MH50011466	MH50011467	CUNNINGTON AV	CS	500	CLAY	109.45	5.616	0
MA50013656	K13	MH50010944	MH50010943	GLENLAWN AV	CS	300	CO	152.73	5.1	0
MA50013661	K13	MH50010948	MH50010944	GLENLAWN AV	CS	300	CO	118.33	4.22	0
MA50017759	K13	MH50014369	MH50014370	SUNSET BV	CS	300	CLAY	93.90	4.08	0
MA50017763	K14	MH50014372	MH50014373	FERMOR AV	CS	250	ZZZ	81.20	3.84	20000
MA50017764	K14	MH50014373	MH50014374	FERMOR AV	CS	450	CO	123.10	5.31	20000
MA50017765	K14	MH50014374	MH50014375	FERMOR AV	CS	450	CO	52.78	5.38	20000
MA50017770	K14	MH50014379	MH50014380	GLEN AV	CS	450	CLAY	135.10	4.32	0
MA50013639	K15	MH50010927	MH50010928	NICHOL AV	CS	300	CLAY	137.60	4.05	0
MA50011983	K16	MH50009611	MH50009612	GLENVIEW AV	CS	250	CO	91.90	3.64	0
MA50011984	K16	MH50009612	MH50009613	GLENVIEW AV	CS	250	CO	89.50	4.02	0
MA50011995	K16	MH50009621	MH50009623	BRONSTONE BV	CS	300	CO	99.90	0	0
MA50011996	K16	MH50009623	MH50009625	BRONSTONE BV	CS	300	CO	91.70	0	0
MA50013644	K16	MH50010932	MH50010927	NICHOL AV	CS	300	CLAY	141.11	3.53	0
MA70024714	K16	MH50009762	MH50009633	WEST FERNWOOD AV	CS	250	CLAY	3.87	0	0
MA50012143	K17	MH50009761	MH50009762	WEST FERNWOOD AV	CS	250	CLAY	106.55	0	0
MA50012160	K17	MH50009771	MH50009772	WESTDALE PL	CS	300	CO	124.00	0	0
MA70032363	K18	MH50009775	MH50009785	NORBERRY DR	CS	250	CLAY	97.02	0	0
MA50012242	K19	MH50009838	MH50009839	KENWOOD PL	CS	250	ZZZ	75.90	2.637	0
MA70007343	K20	PL70003018	MH50009888	OUSTIC AV W	CS	300	CO	11.15	0	0
MA70003188	K3	MH50008550	MH50008551	ST MARYS RD	CS	300	CO	89.90	4.52	20000
MA50015660	K8	MH50012526	TE50003420	MAGER DR W	CS	300	ZZZ	138.10	3.276	0
MA50017632	K9	MH50014290	MH50014291	MAGER DR W	CS	300	CLAY	13.60	0	0
MA50017634	K9	PL50004107	MH50012526	MAGER DR W	CS	300	CLAY	128.20	3.276	0
MA50017638	K9	PL50004110	MH50014292	MAGER DR W	CS	300	CLAY	7.04	0	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50009398	L10	MH50007711	MH50007781	ST MARYS RD	CS	2475 x 1650	CO	133.86	6.832	17500
MA50012494	L10	MH50010068	TE50002435	ROSEWARNE AV	CS	1350 x 900	CO	52.85	6.5	0
MA50012495	L10	TE50002435	MH50007781	ROSEWARNE AV	CS	1350 x 900	CO	64.47	6.92	0
MA50013592	L10	MH50010887	MH50010888	KINGSTON RW	CS	375	CLAY	106.70	3.756	0
MA70003194	L10	MH70001417	TE50003411	VICTORY PL	CS	300	CLAY	51.07	3.9	0
MA50009313	L11	MH50007709	MH50007710	ST MARYS RD	CS	2025 x 1350	CO	92.00	6.734	17500
MA50009356	L11	MH50007747	TE50001508	CUNNINGTON AV	CS	600	CLAY	30.00	5.469	0
MA50009358	L11	MH50007710	MH50007711	ST MARYS RD	CS	2025 x 1350	CO	71.29	6.832	17500
MA50014348	L11	MH50011469	MH50007747	CUNNINGTON AV	CS	600	CLAY	161.54	5.42	0
MA50014987	L11	MH50011475	TE50001519	ELM PARK RD	CS	300	CLAY	115.78	0	0
MA50009825	L12	TE50001678	MH50007798	ST MARYS RD	CS	1800 x 1200	CO	91.57	6.31	17500
MA50012817	L12	MH50007797	TE50002537	CRYSTAL AV	CS	300	CLAY	98.39	3.876	0
MA50012818	L12	MH50007798	TE50002537	ST MARYS RD	CS	2025 x 1350	CO	1.00	6.31	17500
MA50012819	L12	TE50002537	MH50007709	ST MARYS RD	CS	2025 x 1350	CO	104.53	6.477	17500
MA50013654	L12	MH50010942	TE50001678	ST MARYS RD	CS	1800 x 1200	CO	6.88	5.609	17500
MA50014343	L12	MH50011465	MH50007709	SPRINGSIDE DR	CS	375	CLAY	136.98	6.502	0
MA50017443	L12	MH50014166	MH50014167	SUNSET BV	CS	300	CLAY	9.00	4.82	0
MA50017444	L12	MH50014167	MH50007798	SUNSET BV	CS	300	CLAY	65.91	5.618	0
MA50017761	L12	MH50014371	MH50014166	SUNSET BV	CS	300	CLAY	75.00	4.77	0
MA50013655	L13	MH50010943	MH50010942	GLENLAWN AV	CS	300	CO	146.00	5.239	0
MA50017434	L13	MH50014159	MH50010942	INMAN AV	CS	1800 x 1200	CO	145.63	5.27	0
MA70013892	L13	MH70005561	MH70005562	ST MARYS RD	CS	1500	CO	89.00	6.107	17500
MA70013898	L13	MH50008129	MH70005561	FERMOR AV	CS	600	ZZZ	24.20	0	0
MA70013902	L13	MH70000363	TE70006316	FERMOR AV	CS	375	CO	23.70	4.558	20000
MA70013905	L13	TE70006316	MH70005561	ST MARYS RD	CS	1600 x 1060	CO	23.08	6.025	20000
MA50017461	L14	MH50008895	TE50004040	ST MARYS RD	CS	1500	ZZZ	6.18	5.61	20000
MA50017462	L14	TE50004040	TE70014023	ST MARYS RD	CS	1600 x 1060	CO	121.13	0	20000
MA50017782	L14	MH50014380	MH50014390	GLEN AV	CS	450	CLAY	69.72	4.74	0
MA50017783	L14	MH50014390	MH50014175	GLEN AV	CS	450	CLAY	31.70	4.812	0
MA70000814	L14	MH50014375	MH70000363	FERMOR AV	CS	375	CO	115.13	5.29	20000
MA70003925	L14	MH50014175	MH70001781	GLEN AV	CS	500	CLAY	25.76	6.07	0
MA70003928	L14	MH70001781	TE70014024	ST MARYS RD	CS	1500	CO	66.86	6.07	20000
MA70013863	L14	TE50004040	PL70006293	ST MARYS RD	CS	1350	ZZZ	0.85	0	20000
MA70036385	L14	TE70014023	MH70001781	ST MARYS RD	CS	1500	CO	1.50	6.07	20000
MA70036386	L14	TE70014024	TE70006316	ST MARYS RD	CS	1600 x 1060	CO	46.09	0	20000
MA50010955	L15	MH50008315	MH50008892	HULL AV	CS	375	CLAY	45.94	0	0
MA50010956	L15	MH50008892	MH50008893	HULL AV	CS	375	CLAY	9.80	0	20000
MA50010957	L15	MH50008893	MH50008894	HULL AV	CS	375	CLAY	6.70	0	20000
MA50010958	L15	MH50008894	MH50008895	ST MARYS RD	CS	1500	ZZZ	127.73	5.61	20000
MA50011985	L15	MH50009613	MH50009614	GLENVIEW AV	CS	250	CO	77.00	4.23	0
MA50011986	L15	MH50009614	MH50008894	GLENVIEW AV	CS	250	CO	69.68	4.23	0
MA50012497	L15	TE70003015	MH50008894	ST MARYS RD	CS	1350	ZZZ	105.13	0	20000
MA50012498	L15	MH50010071	MH50008895	NICHOL AV	CS	450	CLAY	57.52	5.61	0
MA50013640	L15	MH50010928	MH50010071	NICHOL AV	CS	450	CLAY	124.41	4.64	0
MA50010950	L16	MH50008887	TE50001955	LENNOX AV	CS	250	CO	6.00	4.95	20000
MA50011997	L16	MH50009625	MH50009626	BRONSTONE BV	CS	300	CO	109.10	0	0
MA50011999	L16	MH50009626	TE50001955	ST MARYS RD	CS	1350	ZZZ	5.01	5.04	20000
MA50012139	L16	MH50009760	MH50009626	ST MARYS RD	CS	1350	ZZZ	91.20	5.04	20000
MA50012140	L16	MH50009633	TE70016684	WEST FERNWOOD AV	CS	300	CO	109.58	4.32	0
MA50012145	L16	TE70016684	MH70003131	ST MARYS RD	CS	1350	ZZZ	0.35	4.909	20000
MA50012146	L16	MH70003131	MH50009760	ST MARYS RD	CS	1350	ZZZ	4.50	4.84	20000

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50012157	L16	MH70002172	TE70016684	ST MARYS RD	CS	1350	CO	88.63	4.479	20000
MA50012159	L16	MH50009770	MH50009760	FERNWOOD AV	CS	300	CO	5.48	4.84	20000
MA50018686	L16	MH50014999	MH50009770	FERNWOOD AV	CS	300	CO	152.38	4.364	0
MA70004828	L16	MH50009769	MH70002172	THORNDALE AV	CS	300	PVC	6.81	4.479	20000
MA70007337	L16	TE50001955	TE70003015	ST MARYS RD	CS	1350	ZZZ	1.90	0	20000
MA50012190	L17	MH50009786	MH50009787	NORBERRY DR	CS	250	CLAY	74.45	4.196	0
MA50017974	L17	MH50014487	MH50009787	FREDERICK AV	CS	600	CO	125.98	4.075	0
MA70005725	L17	TE70002365	TE70002370	ST MARYS RD	CS	1350	CO	6.45	0	20000
MA70005726	L17	TE70002370	MH70002172	ST MARYS RD	CS	1350	ZZZ	1.15	0	20000
MA70005728	L17	MH50009772	MH70002506	WESTDALE PL	CS	300	CO	67.98	4.05	0
MA70005729	L17	MH70002506	TE70002365	WESTDALE PL	CS	300	CO	27.02	3.15	0
MA70005794	L17	MH50009787	TE70002942	ST MARYS RD	CS	600	CO	54.68	4.245	20000
MA70007188	L17	TE70002942	TE70002365	ST MARYS RD	CS	1350	CO	67.11	0	20000
MA50012189	L18	MH50009785	MH50009786	NORBERRY DR	CS	250	CLAY	70.00	2.917	0
MA50012196	L18	PL50002413	MH50009792	MOLGAT AV	CS	250	ZZZ	131.09	0	0
MA50012197	L18	MH50009792	MH50009787	ST MARYS RD	CS	600	CO	108.22	4.185	20000
MA50012208	L18	MH50009803	MH50009792	ST MARYS RD	CS	600	CO	88.29	4.093	20000
MA50012214	L18	MH50009808	MH50009803	ST MARYS RD	CS	600	CO	90.85	4.046	20000
MA50017989	L18	MH50014500	MH50009792	HAVELOCK AV	CS	300	CLAY	111.10	4.058	0
MA50018709	L18	MH50015017	MH50009803	PORTLAND AV	CS	300	CO	66.98	3.678	0
MA50012207	L19	MH50009802	MH50009803	ST MARYS RD	CS	300	ZZZ	199.71	0	20000
MA50012211	L19	MH50009806	MH50009807	ST MARYS RD	CS	600	CO	83.62	3.976	20000
MA50012212	L19	MH50009807	MH50009808	ST MARYS RD	CS	600	CO	43.81	4.046	20000
MA50012292	L20	MH50009888	MH50009889	OUSTIC AV W	CS	300	CO	52.55	2.829	0
MA50012293	L20	MH50009889	MH50009890	OUSTIC AV W	CS	300	CO	141.78	4.067	0
MA50012296	L20	PL50002423	MH50009802	ST MARYS RD	CS	300	ZZZ	189.20	0	20000
MA50012395	L20	MH50009911	MH50009890	ST MARYS RD	CS	600	CO	82.45	4.183	20000
MA50010536	L3	MH50008545	MH50008546	GUAY AV	CS	450	CLAY	119.50	0	0
MA50010569	L3	MH50008575	MH50008551	FIFTH AV	CS	450	CLAY	33.91	4.55	0
MA50019851	L3	MH50008551	TE50005831	ST MARYS RD	CS	900 x 600	CO	89.90	4.367	20000
MA70003195	L3	MH50008574	MH50008575	FIFTH AV	CS	450	CLAY	125.10	4.56	0
MA50010538	L4	MH50008540	MH50008562	MORIER AV	CS	450	CO	30.49	4.99	0
MA50010556	L4	MH50008547	MH50008562	ST MARYS RD	CS	900 x 600	CO	82.85	4.949	20000
MA50010558	L4	MH50008562	MH50008566	ST MARYS RD	CS	1125 x 750	CO	83.44	5.527	20000
MA50010669	L4	MH50008546	TE50005831	GUAY AV	CS	450	CLAY	30.54	0	0
MA50019852	L4	TE50005831	MH50008547	ST MARYS RD	CS	900 x 600	CO	0.99	4.613	20000
MA50013396	L5	MH50010761	MH50010762	ST MARYS RD	CS	1350 x 900	CO	93.20	5.611	20000
MA50013415	L5	MH50010778	MH50010761	ST MARYS RD	CS	1125 x 750	CO	89.63	5.611	20000
MA50013420	L5	MH50008566	MH50010778	ST MARYS RD	CS	1125 x 750	CO	93.79	0	20000
MA50013453	L6	MH50010762	MH50010792	ST MARYS RD	CS	1125 x 900	CO	94.08	6.226	20000
MA50014140	L6	MH50010792	TE50002963	ST MARYS RD	CS	1125 x 900	CO	78.89	6.226	20000
MA50013476	L7	TE50002688	MH50010793	ST MARYS RD	CS	1125 x 900	CO	56.29	6.541	20000
MA50013477	L7	MH50010793	MH50010807	ST MARYS RD	CS	1125 x 900	CO	133.87	6.985	17500
MA50013503	L7	PL50002702	MH50010829	ST ANNES RD	CS	300	CO	44.78	4.94	17500
MA50014141	L7	TE50002963	TE50002688	ST MARYS RD	CS	1125 x 900	CO	10.70	0	20000
MA50015654	L8	MH50010807	TE50003418	ST MARYS RD	CS	1125 x 900	CO	123.73	6.955	17500
MA50015655	L8	MH50012524	TE50003418	MAGER DR E	CS	3375 x 2250	ZZZ	8.30	7.725	17500
MA50015657	L8	MH50010879	TE50003419	ST MARYS RD	CS	2475 x 1650	CO	104.79	7.168	17500
MA50015658	L8	TE50003418	TE50003419	MAGER DR W	CS	3375 x 2250	ZZZ	0.20	0	17500
MA50015661	L8	TE50003419	TE50003420	MAGER DR W	CS	3375 x 2250	ZZZ	51.77	0	0
MA50015662	L8	TE50003420	MH50012525	MAGER DR W OUTFALL ROW	CS	3375 x 2250	ZZZ	31.40	7.692	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: MAP KEY, ASSET

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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA70007687	L8	MH50012543		MAGER DR W OUTFALL ROW	CS	600	AC	1001.45	1.62	0
MA70018393	L8	MH50012543	MH50012551	MAGER DR W OUTFALL ROW	CS	1660	ZZZ	50.15	7.332	0
MA50013593	L9	MH50010888	MH50010877	KINGSTON RW	CS	375	CLAY	32.63	7.217	17500
MA50015644	L9	MH50007781	MH50010877	ST MARYS RD	CS	2475 x 1650	CO	109.74	6.924	17500
MA50015663	L9	MH50012527	MH50012528	ST MARKS PL	CS	300	CLAY	82.97	4.521	0
MA50015664	L9	MH50012528	MH50010878	ST MARKS PL	CS	300	CLAY	39.60	7.321	0
MA50017636	L9	MH50014292	MH50012527	ST MARKS PL	CS	300	CLAY	82.35	3.688	0
MA70002025	L9	MH50010878	TE70000849	ST MARYS RD	CS	2475 x 1650	CO	4.86	7.168	17500
MA70002026	L9	TE70000849	MH50010879	ST MARYS RD	CS	2475 x 1650	CO	47.71	0	17500
MA70002034	L9	MH50010877	TE70000851	ST MARYS RD	CS	2475 x 1650	CO	21.42	7.247	17500
MA70002035	L9	TE70000851	MH50010878	ST MARYS RD	CS	2475 x 1650	CO	63.31	7.199	17500
MA70005264	M10	MH70002357	MH70001417	VICTORY PL	CS	300	PVC	63.48	3.89	0
MA50009368	M11	MH50007756	MH50007757	REGAL AV	CS	300	PVC	5.60	3.65	0
MA50009369	M11	MH50007757	MH50007758	REGAL AV	CS	300	CLAY	69.90	3.84	0
MA50009370	M11	MH50007758	MH50007709	REGAL AV	CS	300	CLAY	76.19	6.502	0
MA50009412	M11	MH50007795	MH50007796	CRYSTAL AV	CS	300	CLAY	89.37	3.24	0
MA70002199	M11	MH50007796	MH70000878	CRYSTAL AV	CS	300	CLAY	5.93	3.48	0
MA50009826	M12	MH50008085	TE50001678	KINGSWOOD AV	CS	250	CLAY	115.80	0	0
MA50017428	M12	MH50014157	MH50014158	INMAN AV	CS	300	CLAY	102.04	4.74	0
MA70002200	M12	MH70000878	MH50007797	CRYSTAL AV	CS	300	CLAY	87.96	4	0
MA70002236	M12	MH50008086	MH70000896	KINGSWOOD AV	CS	250	CLAY	6.70	3.339	0
MA70002238	M12	MH70000896	MH50008085	KINGSWOOD AV	CS	250	CLAY	106.94	3.339	0
MA50009880	M13	MH50008126	MH50008127	FERMOR AV	CS	300	CLAY	101.45	3.13	0
MA50009881	M13	MH50008127	MH50008128	FERMOR AV	CS	300	CLAY	96.74	0	0
MA50009882	M13	MH50008128	MH50008129	FERMOR AV	CS	375	CLAY	96.62	0	0
MA50009885	M13	MH50008132	MH50008129	ST DAVID RD	CS	375	CLAY	30.60	0	20000
MA50009898	M13	MH50008145	MH50008128	ST LOUIS RD	CS	300	CLAY	96.02	0	0
MA50009900	M13	MH50008147	MH50008127	ST GEORGE RD	CS	300	CLAY	128.00	0	0
MA50017429	M13	MH50014158	MH50014159	INMAN AV	CS	300	CLAY	104.70	5.22	0
MA50009883	M14	MH50008130	MH50008131	ST DAVID RD	CS	300	CLAY	144.40	0	0
MA50009884	M14	MH50008131	MH50008132	ST DAVID RD	CS	375	CLAY	97.60	0	0
MA50009895	M14	MH50008142	MH50008131	ST DAVID PL	CS	200	CO	112.81	0	0
MA50009897	M14	MH50008144	MH50008145	ST LOUIS RD	CS	300	CLAY	132.20	0	0
MA50010160	M15	MH50008312	MH50008313	HULL AV	CS	375	CLAY	4.71	0	0
MA50010161	M15	MH50008313	MH50008314	HULL AV	CS	375	CLAY	111.60	0	0
MA50010162	M15	MH50008314	MH50008315	HULL AV	CS	375	CLAY	59.00	0	0
MA50010187	M15	MH50008329	MH50008330	HULL AV BACK LANE	CS	250	CO	75.00	3.54	0
MA50010188	M15	MH50008330	MH50008331	HULL AV BACK LANE	CS	250	CO	41.80	4.51	0
MA50010189	M15	MH50008331	MH50008315	HULL AV AT LANE	CS	250	CO	62.99	4.81	0
MA50010195	M15	MH50008335	MH50008312	ST DAVID RD	CS	450	ZZZ	93.20	0	0
MA50017466	M15	MH50008335	MH50008886	LENNOX AV	CS	250	CO	144.14	0	0
MA50010949	M16	MH50008886	MH50008887	LENNOX AV	CS	250	CO	153.00	4.95	0
MA50017981	M16	MH50014493	MH50014494	THORNDALE AV	CS	250	CO	149.02	3.581	0
MA50017982	M16	MH50014494	MH50009769	THORNDALE AV	CS	300	CO	147.68	4.504	0
MA50018685	M16	MH50014998	MH50014999	FERNWOOD AV	CS	250	CO	146.30	4.13	0
MA50017973	M17	MH50014486	MH50014487	FREDERICK AV	CS	600	CO	121.00	3.5	0
MA50017976	M17	MH50014489	MH50014486	FREDERICK AV	CS	450	CO	94.50	3.5	0
MA50017987	M17	MH50014498	MH50014499	HAVELOCK AV	CS	300	CO	101.00	2.84	0
MA50017988	M17	MH50014499	MH50014500	HAVELOCK AV	CS	300	CO	136.60	3.53	0
MA50018705	M18	MH50015014	MH50015015	PORTLAND AV	CS	300	CO	99.60	3.02	0
MA50018706	M18	MH50015015	MH50015016	PORTLAND AV	CS	300	CO	100.00	2.84	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: MAP KEY, ASSET

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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50018707	M18	MH50015016	MH50010187	PORTLAND AV	CS	300	CO	28.35	3.746	0
MA50018708	M18	MH50010187	MH50015017	PORTLAND AV	CS	300	CO	3.25	3.712	0
MA50017912	M19	MH50014434	MH50009806	BERRYDALE AV	CS	300	CO	151.98	3.806	0
MA50017914	M19	MH50014435	MH50014434	BERRYDALE AV	CS	250	CO	152.50	3.09	0
MA50017927	M19	MH50014448	MH50009808	POPLARWOOD AV	CS	250	CO	146.70	3.991	0
MA50010566	M2	MH50008572	MH50008573	FIFTH AV	CS	375	CLAY	117.30	3.76	0
MA50012294	M20	MH50009890	MH50009806	ST MARYS RD	CS	600	CO	82.42	4.117	20000
MA50012398	M20	MH50009984	MH50009911	ST MARYS RD	CS	600	CO	50.19	4.183	20000
MA50012396	M21	MH50009982	MH50009983	ST MARYS RD	CS	600	CO	87.85	4.309	20000
MA70037941	M21	MH50009983	TE70017642	ST MARYS RD	CS	600	CO	99.21	4.03	20000
MA70037942	M21	TE70017642	MH50009984	ST MARYS RD	CS	600	CO	24.80	0	20000
MA50010530	M3	MH50008538	MH50008539	MORIER AV	CS	450	CO	118.00	3.87	0
MA50010534	M3	MH50008543	MH50008544	GUAY AV	CS	300	CLAY	116.40	3.7	0
MA50010535	M3	MH50008544	MH50008545	GUAY AV	CS	450	CLAY	121.80	3.74	0
MA70003198	M3	MH50008573	MH50008574	FIFTH AV	CS	450	CLAY	127.50	3.76	0
MA50007300	M4	MH50006253	MH50006254	DES MEURONS ST	CS	300	CO	47.60	0	0
MA50007301	M4	MH50006254	MH50006249	DES MEURONS ST	CS	350	CO	43.40	0	0
MA50010531	M4	MH50008539	MH50008540	MORIER AV	CS	450	CO	118.00	0	0
MA50013416	M4	MH50010779	MH50010778	VIVIAN AV	CS	450	CLAY	30.50	0	0
MA50013417	M4	MH50010780	MH50010779	VIVIAN AV	CS	450	CLAY	32.00	0	0
MA50013419	M4	MH50006249	MH50010781	VIVIAN AV	CS	450	CLAY	114.06	0	0
MA50013401	M5	MH50010766	MH50010761	ESSEX AV	CS	350	CLAY	30.48	0	0
MA50013402	M5	MH50010767	MH50010766	ESSEX AV	CS	350	CLAY	141.38	0	0
MA50013403	M5	MH50010768	MH50010767	ESSEX AV	CS	350	CLAY	124.60	0	0
MA50013418	M5	MH50010781	MH50010780	VIVIAN AV	CS	450	CLAY	80.80	0	0
MA50013436	M5	MH50010765	MH50010764	ELLESMERE AV	CS	450	CLAY	101.20	0	0
MA50013437	M5	MH50010764	MH50010763	ELLESMERE AV	CS	450	CLAY	105.20	0	0
MA50013438	M6	MH50010763	MH50010762	ELLESMERE AV	CS	450	CLAY	24.99	0	20000
MA50013504	M7	MH50010829	MH50010592	ST ANNES RD	CS	900 x 600	CO	74.07	5.564	17500
MA50013500	M8	TE50002699	MH50010581	ST ANNES RD	CS	2250 x 1500	CO	19.88	0	17500
MA50013501	M8	MH50010592	MH50010587	ST ANNES RD	CS	900 x 600	CO	82.27	6.563	17500
MA50015602	M8	TE50003395	TE50002699	ST ANNES RD	CS	2250 x 1500	CO	62.36	0	17500
MA50015649	M8	MH50010587	TE50003417	ST ANNES RD	CS	900 x 600	CO	19.65	6.563	17500
MA50015650	M8	MH50010581	TE50003417	ST ANNES RD	CS	2250 x 1500	CO	65.51	0	17500
MA50015651	M8	TE50003417	MH50012523	MAGER DR E	CS	2250 x 1500	CO	1.46	0	17500
MA50015652	M8	MH50012523	MH50012524	MAGER DR E	CS	3375 x 2250	ZZZ	143.79	7.725	0
MA50013492	M9	MH50010821	MH50010822	LORAIN ST	CS	225	CLAY	79.21	0	0
MA50013493	M9	MH50010822	TE50002699	LORAIN ST	CS	225	CLAY	79.21	0	0
MA50013517	M9	MH50010840	MH50010841	OAKLEIGH PL	CS	300	CLAY	82.31	3.72	0
MA50013518	M9	MH50010841	MH50010825	OAKLEIGH PL	CS	300	CLAY	54.91	0	0
MA70005231	M9	MH50012518	MH70002356	VICTORY PL	CS	300	CLAY	76.81	0	0
MA70005263	M9	MH70002356	MH70002357	VICTORY PL	CS	300	PVC	77.45	0	0
MA70032707	M9	MH70002343	MH50010840	OAKLEIGH PL	CS	300	PVC	76.88	3.68	0
MA50013522	N10	MH50010556	MH50010559	ST ANNES RD	CS	900	CLAY	93.17	5.59	17500
MA50013584	N10	MH50010559	MH50010884	ST ANNES RD	CS	1050	CLAY	32.50	5.59	17500
MA50013585	N10	MH50010884	TE50002718	ST ANNES RD	CS	1050	CLAY	12.80	0	17500
MA70002067	N10	TE50002718	TE70000860	ST ANNES RD	CS	1050	CLAY	8.31	0	17500
MA70002068	N10	TE70000860	MH50010566	ST ANNES RD	CS	1050	CLAY	27.44	5.64	17500
MA50009410	N11	MH50007793	MH50007794	CRYSTAL AV	CS	300	CLAY	88.36	4.736	0
MA50009411	N11	MH50007794	MH50007795	CRYSTAL AV	CS	300	CLAY	88.20	4.797	0
MA50009829	N11	MH50008088	MH50008087	KINGSWOOD AV	CS	250	CLAY	133.33	0	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: MAP KEY, ASSET

APPENDIX A

ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50009831	N11	MH50008089	MH50008090	ST ANNES RD	CS	300	CO	13.87	3.125	17500
MA50009832	N11	MH50008091	MH50008090	ST ANNES RD	CS	300	CO	73.60	3.14	17500
MA50009833	N11	MH50007793	MH50008091	CRYSTAL AV	CS	300	CO	44.34	4.972	0
MA50009828	N12	MH50008087	MH50008086	KINGSWOOD AV	CS	250	CLAY	125.38	3.01	0
MA50009879	N12	MH50008125	MH50008126	FERMOR AV	CS	300	CLAY	101.00	3.12	0
MA50017419	N12	MH50014147	MH50014148	INMAN AV	CS	300	CLAY	94.09	3.39	0
MA50017420	N12	MH50014149	MH50014147	INMAN AV	CS	300	CLAY	89.41	3.07	0
MA50017421	N12	MH50014150	MH50014149	INMAN AV	CS	300	CLAY	97.54	3.06	0
MA50017427	N12	MH50014148	MH50014157	INMAN AV	CS	300	CLAY	6.78	3.51	0
MA70013917	N12	PL70006323	MH50008125	FERMOR AV	CS	300	CO	0.80	2.36	0
MA70013921	N12	MH70005565	MH70005566	FERMOR AV	CS	300	PVC	92.53	2.399	0
MA70013922	N12	MH70005566	MH50008125	FERMOR AV	CS	300	PVC	3.72	2.399	0
MA50010135	N13	PL50005715	MH50008292	ST ANDREW RD	CS	250	CLAY	14.36	2.5	0
MA50010136	N13	MH50008292	MH50008293	ST ANDREW RD	CS	250	CLAY	67.61	2.79	0
MA50010137	N13	MH50008293	MH50008125	ST ANDREW RD	CS	300	CLAY	67.98	2.87	0
MA50017450	N13	MH50014171	MH50014172	ST THOMAS RD	CS	250	CLAY	78.30	0	0
MA50017451	N13	MH50014172	MH50014173	ST THOMAS RD	CS	250	CLAY	110.00	0	0
MA50017452	N13	MH50014173	MH50008126	ST THOMAS RD	CS	250	CLAY	57.00	0	0
MA50009899	N14	MH50008146	MH50008147	ST GEORGE RD	CS	300	CLAY	128.00	2.47	0
MA50010157	N14	MH50008309	MH50008310	HULL AV	CS	300	CO	98.50	3.368	0
MA50010158	N14	MH50008310	MH50008311	HULL AV	CS	300	CLAY	99.30	3.37	0
MA50017449	N14	MH50014170	MH50008144	ST LOUIS RD	CS	300	CLAY	30.00	0	0
MA70001882	N14	MH70000759	MH50008333	LENNOX AV	CS	300	PVC	92.48	3.91	0
MA50010159	N15	MH50008311	MH50008312	HULL AV	CS	300	CLAY	92.34	0	0
MA50010193	N15	MH50008333	MH50008334	LENNOX AV	CS	450	CO	95.90	3.97	0
MA50010194	N15	MH50008334	MH50008335	LENNOX AV	CS	450	CO	89.10	0	0
MA50010212	N15	MH50008351	MH50008352	FERNWOOD AV	CS	250	CO	28.00	2.35	0
MA50010213	N15	MH50008352	MH50008353	FERNWOOD AV	CS	250	CO	80.00	3.59	0
MA50010214	N15	MH50008353	MH50008350	FERNWOOD AV	CS	250	CO	79.60	3.9	0
MA50010215	N15	MH50008354	MH50008349	THORNDALE AV	CS	250	CO	85.80	3.57	0
MA50018684	N15	PL50004557	MH50014998	FERNWOOD AV	CS	250	CO	41.50	3.09	0
MA70008225	N15	MH50009153	MH50008333	ST GEORGE RD	CS	450	ZZZ	46.74	3.93	0
MA70008229	N15	MH50008350	MH50009153	ST GEORGE RD	CS	450	ZZZ	34.15	3.9	0
MA50017971	N16	PL50004239	MH50014485	THORNDALE AV	CS	250	CO	2.00	0	0
MA50017972	N16	MH50014485	MH50008354	THORNDALE AV	CS	250	CO	89.50	0	0
MA50017975	N16	MH50014488	MH50014489	FREDERICK AV	CS	450	CO	116.49	4.53	0
MA50017979	N16	PL50004242	MH50014492	THORNDALE AV	CS	250	CO	2.00	0	0
MA50017980	N16	MH50014492	MH50014493	THORNDALE AV	CS	250	CO	66.40	3.545	0
MA50018696	N16	MH50015007	MH50014476	FREDERICK AV	CS	250	CO	101.98	3.12	0
MA50017958	N17	PL50004236	MH50014473	HAVELOCK AV	CS	250	CO	19.50	3.52	0
MA50017985	N17	PL50004245	MH50014497	HAVELOCK AV	CS	250	CO	12.00	0	0
MA50017986	N17	MH50014497	MH50014498	HAVELOCK AV	CS	250	CO	67.00	2.84	0
MA50018701	N17	MH50015010	MH50015011	ST DAVID RD	CS	250	CLAY	48.38	0	0
MA50018702	N17	MH50015011	MH50015012	PORTLAND AV	CS	250	CO	55.10	0	0
MA50018703	N17	MH50015012	MH50015013	PORTLAND AV	CS	300	CO	75.00	2.53	0
MA50018704	N17	MH50015013	MH50015014	PORTLAND AV	CS	300	CO	76.00	2.996	0
MA50017913	N18	MH50014430	MH50014435	BERRYDALE AV	CS	250	CO	180.79	2.755	0
MA50010564	N2	MH50008570	MH50008571	THE GLEN AF	CS	300	CLAY	65.50	2.34	0
MA50010565	N2	MH50008571	MH50008572	FIFTH AV	CS	375	CLAY	117.30	2.87	0
MA70003471	N2	MH50008541	MH50008542	GUAY AV	CS	300	PVC	82.10	2.77	0
MA50007298	N3	MH50006251	MH50006252	HAIG AV	CS	250	CO	105.01	0	0

WORK PROGRAM - COMBINED SEWERS
 SORTED BY: MAP KEY, ASSET

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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50010528	N3	MH50008536	MH50008537	MORIER AV	CS	375	CLAY	117.20	2.89	0
MA50010529	N3	MH50008537	MH50008538	MORIER AV	CS	375	CLAY	117.70	3.41	0
MA50010533	N3	MH50008542	MH50008543	GUAY AV	CS	300	CLAY	116.90	3.38	0
MA50007294	N4	MH50006247	MH50006248	VIVIAN AV	CS	300	CLAY	100.90	3.94	0
MA50007295	N4	MH50006248	MH50006249	VIVIAN AV	CS	450	CLAY	100.00	0	0
MA50007299	N4	MH50006252	MH50006253	HAIG AV	CS	250	CO	97.01	0	0
MA50013404	N4	MH50010769	MH50010768	ESSEX AV	CS	350	CLAY	91.40	0	0
MA50013406	N4	MH50006285	MH50010769	ESSEX AV	CS	350	CLAY	93.78	0	0
MA50013433	N5	MH50010759	MH50010760	ELLESMERE AV	CS	300	CLAY	99.40	3.8	0
MA50013434	N5	MH50010760	MH50010765	ELLESMERE AV	CS	450	CLAY	106.92	0	0
MA50015601	N8	MH50010825	TE50003395	ST ANNES RD	CS	2250 x 1500	CO	22.67	0	17500
MA50013496	N9	MH50010576	MH50010825	ST ANNES RD	CS	2250 x 1500	CO	59.60	0	17500
MA50013519	N9	MH50010566	MH50010567	ST ANNES RD	CS	1050	CLAY	85.31	5.64	17500
MA50013520	N9	MH50010567	MH50010576	ST ANNES RD	CS	2250 x 1500	CO	82.25	0	17500
MA50010562	O1	MH50008568	MH50008569	THE GLEN AF	CS	300	CLAY	63.70	2.1	0
MA50017417	O10	MH50014145	MH50010556	ST ANNES RD	CS	250	ZZZ	9.21	0	17500
MA50009838	O11	MH50008088	MH50008089	KINGSWOOD AV	CS	300	CO	49.28	0	0
MA50017407	O11	TE50004014	MH50014136	ST ANNES RD	CS	750	CO	42.56	5.15	17500
MA50017410	O11	MH50014136	MH50014140	ST ANNES RD	CS	750	CO	111.87	5.514	17500
MA50017411	O11	MH50014140	MH50010556	ST ANNES RD	CS	750	CO	121.00	5.514	17500
MA50017412	O11	MH50008090	MH50014140	ST ANNES RD	CS	375	CO	12.21	5.517	17500
MA50010142	O12	MH50008298	MH50008299	ST ELMO RD	CS	250	CO	74.40	3.497	0
MA50010143	O12	MH50008299	MH50008300	FERMOR AV ROW	CS	250	CLAY	99.00	4.123	0
MA50010144	O12	MH50008300	MH50008301	ST ANNES RD	CS	250	CLAY	17.00	4.778	0
MA50017387	O12	MH50014083	TE50004012	ST ANNES RD	CS	250	CO	9.23	0	17500
MA50017390	O12	MH50014080	TE50004012	ST ANNES RD	CS	750	CO	97.11	0	17500
MA50017391	O12	TE50004012	MH50008301	ST ANNES RD	CS	750	CO	11.30	4.773	17500
MA50017392	O12	MH50008301	MH50014129	ST ANNES RD	CS	750	CO	32.26	5.024	17500
MA50017403	O12	MH50014131	MH50014129	FERMOR AV	CS	250	CO	74.48	4.978	0
MA50017405	O12	MH50014137	TE50004014	ST ANNES RD	CS	250	CO	10.31	0	17500
MA50017406	O12	MH50014129	TE50004014	ST ANNES RD	CS	750	CO	43.73	5.03	17500
MA50017447	O12	PL50004035	MH50008299	ST ELMO RD	CS	300	CO	1.50	3.506	20000
MA70013920	O12	MH70005564	MH70005565	FERMOR AV	CS	300	PVC	54.48	2.378	0
MA50010140	O13	MH50008296	MH50008297	ST ELMO RD	CS	250	CO	57.50	3.344	0
MA50010141	O13	MH50008297	MH50008298	ST ELMO RD	CS	250	CO	76.50	3.362	0
MA50010153	O13	MH50008305	MH50008306	HULL AV	CS	250	CO	53.70	1.902	0
MA50010154	O13	MH50008306	MH50008307	HULL AV	CS	250	CO	27.30	1.946	0
MA50010172	O13	MH70009000	MH50008308	ST ANDREW RD	CS	250	CO	137.20	0	0
MA50017336	O13	MH50013807	MH50014080	ST ANNES RD	CS	750	CO	15.28	4.57	17500
MA50010155	O14	MH50008307	MH50008308	HULL AV	CS	250	CO	70.00	2.4	0
MA50010156	O14	MH50008308	MH50008309	HULL AV	CS	300	CO	102.20	2.4	0
MA50017475	O14	MH50014188	MH50014189	FERNWOOD AV	CS	300	PVC	82.73	3.24	0
MA70001884	O14	MH70000760	MH70000759	LENNOX AV	CS	300	PVC	81.00	3.52	0
MA70001886	O14	MH70000761	MH70000760	LENNOX AV	CS	300	PVC	78.00	3.16	0
MA50010209	O15	MH50008349	MH50008350	ST GEORGE RD	CS	450	ZZZ	80.84	3.9	0
MA50017476	O15	MH50014189	MH50014185	FERNWOOD AV	CS	300	PVC	72.58	3.84	0
MA50017480	O15	MH50014193	MH50008349	ST GEORGE RD	CS	450	ZZZ	100.37	3.69	0
MA70001828	O15	MH50014185	MH70000736	FERNWOOD AV	CS	300	PVC	79.48	3.84	0
MA70001829	O15	MH70000736	MH50008350	FERNWOOD AV	CS	300	PVC	15.85	3.84	0
MA50017953	O16	MH50014466	MH50014469	ST GEORGE RD	CS	450	CO	81.09	5.33	0
MA50017955	O16	MH50014470	MH50014469	HAVELOCK AV	CS	300	CO	103.30	5.33	0

WORK PROGRAM - COMBINED SEWERS
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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50017959	O16	MH50014473	MH50014469	HAVELOCK AV	CS	250	CO	168.10	5.33	0
MA50017962	O16	MH50014476	MH50014193	FREDERICK AV	CS	250	CO	72.00	3.27	0
MA50018693	O16	MH50014469	MH50015006	ST GEORGE RD	CS	450	CO	24.54	5.33	0
MA50018694	O16	MH50015006	MH50014193	ST GEORGE RD	CS	450	CO	76.36	3.45	0
MA50017934	O17	PL50004231	MH50014452	POPLARWOOD AV	CS	300	ZZZ	2.00	3.253	0
MA50017935	O17	MH50014452	MH50014453	POPLARWOOD AV	CS	300	ZZZ	90.60	3.896	0
MA50017936	O17	MH50014453	MH50014454	POPLARWOOD AV	CS	300	ZZZ	97.20	4.742	0
MA50018594	O17	MH50014454	MH50014920	ST GEORGE RD	CS	450	CO	40.20	4.9	0
MA50018710	O17	PL50004567	MH50015011	PORTLAND AV	CS	250	CO	2.00	0	0
MA50017906	O18	MH50014428	MH50014429	BERRYDALE AV	CS	250	CO	82.10	3.49	0
MA50017908	O18	MH50014430	MH50014431	BERRYDALE AV	CS	250	CO	125.42	2.785	0
MA50017909	O18	MH50014431	MH50014428	BERRYDALE AV	CS	250	CO	11.48	2.79	0
MA50018699	O18	MH50014428	MH50015009	ST DAVID RD	CS	250	AC	67.49	2.957	0
MA50018700	O18	MH50015009	MH50015010	ST DAVID RD	CS	250	CLAY	89.24	2.84	0
MA50010522	O2	MH50008531	MH50008532	EGERTON RD	CS	300	PVC	29.82	2.4	0
MA50010526	O2	MH50008531	MH50008535	MORIER AV	CS	300	CLAY	78.60	2.18	0
MA50010563	O2	MH50008569	MH50008570	THE GLEN AF	CS	300	CLAY	73.40	2.28	0
MA50007290	O3	MH50006243	MH50006244	HAIG AV	CS	300	CO	22.90	2.999	0
MA50007291	O3	MH50006244	MH50006245	EGERTON RD	CS	300	PVC	84.50	3.46	0
MA50007292	O3	MH50006245	MH50006246	VIVIAN AV	CS	300	CLAY	40.25	0	0
MA50007297	O3	MH50006243	MH50006251	HAIG AV	CS	250	CO	97.01	2.363	0
MA50007349	O3	MH50006614	MH50006244	EGERTON RD	CS	300	CLAY	32.30	3.03	0
MA50010527	O3	MH50008535	MH50008536	MORIER AV	CS	300	CLAY	79.93	2.28	0
MA70003473	O3	MH50008532	MH50006614	EGERTON RD	CS	300	CLAY	91.57	2.4	0
MA50007293	O4	MH50006246	MH50006247	VIVIAN AV	CS	300	CLAY	59.75	3.34	0
MA50007339	O4	MH50006283	MH50006245	EGERTON RD	CS	300	CO	34.11	3.45	0
MA50010518	O4	MH50006284	MH50006283	EGERTON RD	CS	300	CO	53.73	3.15	0
MA50013430	O4	MH50010755	MH50010757	EGERTON RD	CS	300	CLAY	84.55	3.22	0
MA50013431	O4	MH50010757	MH50010758	ELLESMERE AV	CS	300	PVC	95.09	3.33	0
MA70006252	O4	MH50006284	MH50006285	ESSEX AV	CS	300	CLAY	91.38	3.18	0
MA50013432	O5	MH50010758	MH50010759	ELLESMERE AV	CS	300	PVC	97.53	3.66	0
MA50015589	P10	TE50003390	MH50010557	REGAL AV	CS	250	CO	15.63	2.214	0
MA50015594	P10	MH50012495	MH50012496	KING GEORGE PARK ROW	CS	250	CO	23.60	0	0
MA50017400	P11	MH50014132	MH50014133	ALPINE AV	CS	250	CO	120.50	4.578	0
MA50017401	P11	MH50014133	MH50014130	ALPINE AV	CS	250	CO	120.68	4.725	0
MA50017402	P11	MH50014130	MH50014131	ALPINE AV	CS	250	CO	45.70	4.725	0
MA50017322	P13	MH50013987	MH50013989	ST ANNES RD	CS	600	CO	57.71	4.1	15000
MA50017323	P13	MH50013989	MH50014019	ST ANNES RD	CS	600	CO	41.00	4.25	15000
MA50017324	P13	MH50014019	MH50013807	ST ANNES RD	CS	750	CO	152.30	4.57	15000
MA50017327	P13	MH50014064	MH50013989	MORROW AV	CS	250	CO	112.15	3.726	0
MA50017321	P14	MH50008884	MH50013987	ST ANNES RD	CS	600	CO	87.10	4.185	15000
MA50017474	P14	MH50014187	MH50014188	FERNWOOD AV	CS	300	PVC	98.56	3.12	0
MA70001226	P14	MH50008841	MH50008840	ASHTON AV	CS	250	PVC	15.90	2.68	15000
MA70001885	P14	MH70000758	MH70000761	LENNOX AV	CS	300	PVC	90.00	2.75	0
MA50010899	P15	MH50008841	MH50008842	ASHTON AV	CS	250	CO	101.70	2.859	0
MA50010900	P15	MH50008842	MH50008843	ASHTON AV	CS	250	CO	92.10	3.399	0
MA50010905	P15	MH50008848	MH50008843	ST ANDREW RD	CS	300	CO	36.53	3.394	0
MA50010906	P15	MH50008843	MH50008849	ST ANDREW RD	CS	300	CO	90.18	3.69	0
MA50010912	P15	MH50008854	MH50008855	BARTON AV	CS	250	CO	77.30	3.346	0
MA50010913	P15	MH50008855	MH50008849	BARTON AV	CS	250	CO	71.90	3.686	0
MA50010928	P15	MH50008849	MH50008870	ST ANDREW RD	CS	300	CO	87.18	4.09	0

WORK PROGRAM - COMBINED SEWERS
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ASSET	MAP KEY	US NODE	DS NODE	STREET	FLOW	SIZE	MATERIAL	LENGTH	MAX DEPTH	TRAFFIC COUNT
MA50010934	P15	MH50008876	MH50008877	HAVELOCK AV	CS	300	CO	67.10	2.02	0
MA50010935	P16	MH50008877	MH50008870	HAVELOCK AV	CS	300	CO	65.73	2.38	0
MA50017941	P16	MH50014458	MH50014459	POPLARWOOD AV	CS	300	CO	107.00	3.879	0
MA50017946	P16	MH50014463	MH50014464	PORTLAND AV	CS	300	CO	93.80	4.096	0
MA50017947	P16	MH50014464	MH50014465	PORTLAND AV	CS	300	CO	100.60	4.349	0
MA50017948	P16	MH50014465	MH50014466	PORTLAND AV	CS	300	CO	101.18	5.038	0
MA50017954	P16	MH50008870	MH50014470	HAVELOCK AV	CS	300	CO	97.57	4.83	0
MA50017907	P17	MH50014429	MH50011595	BERRYDALE AV	CS	250	CO	118.94	4.905	0
MA50017942	P17	MH50014459	MH50014454	POPLARWOOD AV	CS	300	ZZZ	127.90	4.77	0
MA50018595	P17	MH50014920	MH50014466	ST GEORGE RD	CS	450	CO	40.66	0	0
MA50018715	P17	MH50011595	MH50014454	ST GEORGE RD	CS	450	CO	116.26	5.135	0
MA50013440	P5	MH50010745	MH50010744	EGERTON RD	CS	200	AC	45.40	2.992	0
MA50013441	P5	MH50010744	MH50010743	EGERTON RD	CS	200	AC	46.91	3.399	0
MA50013180	P6	MH70002119	MH50010598	STRANMILLIS AV	CS	300	CLAY	77.09	3.17	0
MA70004678	P6	MH50010595	MH50010596	STRANMILLIS AV	CS	250	CO	106.70	2.74	0
MA70004681	P6	MH50010596	MH70002119	STRANMILLIS AV	CS	300	PVC	80.55	2.83	0
MA50015592	Q10	MH50012494	MH50012491	KING GEORGE PARK ROW	CS	250	ZZZ	76.40	2.53	0
MA50015595	Q10	MH50012496	MH50012491	KING GEORGE PARK ROW	CS	250	CO	34.52	2.53	0
MA50017399	Q11	MH50014134	MH50014132	ALPINE AV	CS	250	AC	122.30	4.057	0
MA50017325	Q13	MH50014060	MH50014063	MORROW AV	CS	250	CO	38.02	3.06	0
MA50017326	Q13	MH50014063	MH50014064	MORROW AV	CS	250	CO	105.07	3.457	0
MA50010897	Q14	MH50008839	MH50008840	ST ANNES RD	CS	600	CO	81.24	3.45	15000
MA50010945	Q14	MH50008840	MH50008884	ST ANNES RD	CS	600	CO	89.00	4.175	15000
MA50010946	Q14	MH50008885	MH50008884	FERNWOOD AV	CS	250	CO	56.50	3.865	0
MA50010895	Q15	MH50008837	MH50008838	ST ANNES RD	CS	600	CO	30.10	3.664	15000
MA50010896	Q15	MH50008838	MH50008839	ST ANNES RD	CS	600	CO	48.00	3.44	15000
MA50010926	Q15	MH50008868	MH50008869	CLAYTON DR	CS	200	CO	82.10	3.284	0
MA50010927	Q15	MH50008869	MH50008838	CLAYTON DR	CS	200	CO	83.70	3.284	0
MA50010932	Q15	MH50008874	MH50008875	BONITA AV	CS	250	CO	113.40	2.739	0
MA50010933	Q15	MH50008875	MH50008876	HAVELOCK AV	CS	250	CO	114.30	3.194	0
MA50018732	Q15	MH50011580	MH50014462	ST ANNES RD	CS	300	CO	20.91	3.301	15000
MA50017939	Q16	PL50004234	MH50014457	POPLARWOOD AV	CS	300	CO	9.00	3.456	0
MA50017940	Q16	MH50014457	MH50014458	POPLARWOOD AV	CS	300	CO	98.50	3.718	0
MA50017945	Q16	MH50014462	MH50014463	PORTLAND AV	CS	300	CO	83.18	3.865	0
MA50013442	Q5	MH50010743	MH50010742	EGERTON RD	CS	200	AC	104.94	3.399	0
MA50013443	Q6	MH50010742	MH50010741	EGERTON RD	CS	200	AC	68.30	3.429	0
MA50013444	Q6	MH50010740	MH50010741	EGERTON RD	CS	200	AC	102.21	3.429	0
MA50013445	Q7	MH50010740	MH50010602	EGERTON RD	CS	200	AC	92.88	3.567	0
MA50013447	Q7	MH50010602	MH50010614	EGERTON RD	CS	200	AC	89.41	4.027	0
MA50015584	Q9	MH50012491	TE50003390	DES MEURONS ST	CS	250	CO	49.76	2.53	0
MA50015588	Q9	MH50012492	TE50003390	REGAL AV	CS	200	CO	39.34	0	0