

PROPOSED FOUL MANHOLE					
Name	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
F1-0	79.008	1200	567955.270	573054.730	3.708
F2-0	79.092	1200	567965.117	573070.577	1.700
F1-1	78.523	1200	567953.144	573068.628	3.898
F1-2	76.411	1200	567945.124	573111.942	3.788
F1-3	75.868	1200	567937.955	573116.441	3.351
F1-4	73.562	1200	567893.110	573107.937	1.616
F1-5	73.110	1200	567889.285	573100.546	1.331
F3-0	75.481	1200	567899.687	573039.906	1.481
F1-6	74.474	1200	567896.222	573060.319	2.910
F4-0	72.600	1200	567850.898	573048.780	1.225
F1-7	72.414	1200	567855.959	573054.281	1.414
F1-8	72.138	1200	567851.352	573059.551	1.538
F1-9	69.978	1200	567850.501	573103.590	1.578
F1-10	69.604	1200	567845.408	573108.202	1.516
F1-11	68.909	1200	567831.007	573108.010	1.609
F1-12	68.499	1200	567826.611	573101.857	1.543
F1-13	67.527	1200	567826.999	573081.869	1.480
F5-0	69.350	1200	567825.411	573045.763	2.350
F1-14	67.218	1200	567821.426	573076.332	1.694
F6-0	64.700	1500	567794.110	573105.099	3.700
F6-1	64.797	1500	567795.532	573094.788	3.970
F6-2	64.780	1500	567791.162	573093.307	4.030
F1-15	65.996	1500	567793.625	573072.182	5.675
F7-0	62.427	1500	567740.026	573089.444	3.277
F7-1	63.697	1500	567745.358	573064.155	4.978
F1-16	64.069	1500	567755.456	573065.477	5.500
F8-0	65.633	1200	567783.410	573018.637	2.533
F1-17	64.446	1500	567757.062	573016.861	6.120
F1-18	60.404	1200	567715.661	573011.992	3.204
F1-19 (OUTFALL)	57.440	1200	567690.708	573011.320	1.375

PROPOSED FOUL PIPES										
Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	US Depth (m)	DS Depth (m)
F 1.000	F1-0	F1-1	14.060	75.300	74.700	0.600	23.4	150	3.558	3.673
F 2.000	F2-0	F1-1	12.131	77.392	77.089	0.303	40.0	150	1.550	1.284
F 1.001	F1-1	F1-2	44.050	74.625	72.623	2.002	22.0	225	3.673	3.563
F 1.002	F1-2	F1-3	8.464	72.623	72.517	0.106	80.0	225	3.563	3.126
F 1.003	F1-3	F1-4	45.644	72.517	71.946	0.571	80.0	225	3.126	1.391
F 1.004	F1-4	F1-5	6.322	71.946	71.779	0.167	49.8	225	1.391	1.106
F 1.005	F1-5	F1-6	40.821	71.779	71.564	0.215	189.9	225	1.106	2.685
F 3.000	F3-0	F1-6	20.705	74.000	73.059	0.941	22.0	150	1.331	1.265
F 1.006	F1-6	F1-7	40.716	71.564	71.055	0.509	80.0	225	2.685	1.134
F 4.000	F4-0	F1-7	7.490	71.375	71.075	0.300	25.0	150	1.075	1.189
F 1.007	F1-7	F1-8	7.001	71.000	70.825	0.175	40.0	225	1.189	1.088
F 1.008	F1-8	F1-9	44.047	70.800	68.598	2.002	22.0	225	1.313	1.155
F 1.009	F1-9	F1-10	6.871	68.400	68.088	0.312	22.0	225	1.353	1.291
F 1.010	F1-10	F1-11	14.402	68.088	67.433	0.655	22.0	225	1.291	1.251
F 1.011	F1-11	F1-12	7.562	67.300	66.956	0.344	22.0	225	1.384	1.318
F 1.012	F1-12	F1-13	19.992	66.956	66.047	0.909	22.0	225	1.318	1.255
F 1.013	F1-13	F1-14	7.856	66.047	65.690	0.357	22.0	225	1.255	1.303
F 5.000	F5-0	F1-14	30.828	67.000	65.599	1.401	22.0	150	2.200	1.469
F 1.014	F1-14	F1-15	28.109	65.524	64.246	1.278	22.0	225	1.469	1.525
F 6.000	F6-0	F6-1	10.409	61.000	60.827	0.173	60.0	150	3.550	3.820
F 6.001	F6-1	F6-2	4.614	60.827	60.750	0.077	60.0	150	3.820	3.880
F 6.002	F6-2	F1-15	21.268	60.750	60.396	0.354	60.0	150	3.880	5.450
F 1.015	F1-15	F1-16	38.753	60.321	59.675	0.646	60.0	225	5.450	4.169
F 7.000	F7-0	F7-1	25.845	59.150	58.719	0.431	60.0	150	3.127	4.828
F 7.001	F7-1	F1-16	10.184	58.719	58.644	0.075	135.0	150	4.828	5.275
F 1.016	F1-16	F1-17	48.643	58.569	58.326	0.243	200.0	225	5.275	5.895
F 8.000	F8-0	F1-17	26.408	63.100	62.220	0.880	30.0	150	2.383	2.076
F 1.017	F1-17	F1-18	41.686	58.326	58.118	0.208	200.0	225	5.895	2.061
F 1.018	F1-18	F1-19 (OUTFALL)	24.962	57.200	56.065	1.135	22.0	225	2.979	1.150

PROPOSED STORM MANHOLES					
Name	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S1-0	78.947	1200	567957.704	573056.949	1.425
S2-0	79.049	1200	567963.727	573068.644	1.683
S1-1	78.590	1200	567955.589	573067.635	1.960
S1-2	76.326	1200	567947.369	573113.770	1.425
S1-3	75.809	1200	567936.851	573118.797	1.438
S3-0	76.046	1200	567929.247	573046.260	1.296
S1-4	74.833	1200	567916.810	573114.867	2.075
S1-5	73.563	1200	567892.232	573110.060	2.018
S1-6	73.088	1200	567887.208	573099.521	1.591
S4-0	75.430	1200	567897.761	573041.439	1.630
S1-7	74.338	1200	567893.700	573061.506	3.034
S1-8	73.187	1200	567871.364	573058.091	2.296
Basin 1 Inlet	71.465		567869.925	573069.379	0.990
S5-0	72.572	1200	567848.938	573049.288	2.172
S5-1	72.225	1200	567854.061	573059.133	1.891
Basin 1 Outlet	71.326		567868.362	573088.263	0.851
S6-1 (Hydrobrake)	71.277	1200	567866.366	573091.906	1.591
S5-2	69.992	1200	567852.631	573104.289	1.425
S5-3	69.550	1200	567844.670	573110.608	1.425
S5-4	68.887	1200	567829.624	573109.913	1.425
S5-5	68.460	1200	567824.049	573101.440	1.425
S5-6	67.528	1200	567824.508	573081.954	1.529
S5-7	67.183	1200	567819.875	573077.795	1.467
S7-0	65.578	1200	567781.441	573019.954	1.425
S7-1	64.854	1200	567764.856	573019.144	2.424
S7-2	64.493	1200	567762.994	573069.331	2.302
S5-8	65.912	1350	567791.892	573073.812	3.988
S5-9	64.936	1350	567789.984	573091.067	3.081
Basin 2 (Inlet 1)	62.981		567780.351	573089.378	1.391
S9-0	64.068	1200	567754.776	573067.884	1.568
S9-1	63.649	1200	567746.305	573066.657	1.499
S9-2	62.502	1200	567742.263	573088.185	0.747
Basin 2 (Inlet 2)	62.837		567765.516	573090.263	1.247
Basin 2 Outlet	62.709		567773.263	573094.169	1.119
S8-4 (Hydrobrake)	62.675	1200	567772.422	573098.599	1.775
S8-5	61.412	1200	567788.388	573107.475	1.262
EX.MH Outfall	60.611	1200	567788.424	573126.437	0.935

PROPOSED STORM PIPES											
Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	Flow (l/s)	US Depth (m)	DS Depth (m)
S 1.000	S1-0	S1-1	10.893	77.522	77.165	0.357	30.5	225	6.0	1.200	1.200
S 2.000	S2-0	S1-1	8.200	77.366	77.165	0.201	40.8	225	3.5	1.458	1.200
S 1.001	S1-1	S1-2	46.862	76.630	74.901	1.729	27.1	225	33.7	1.735	1.200
S 1.002	S1-2	S1-3	11.658	74.901	74.371	0.530	22.0	225	33.7	1.200	1.213
S 1.003	S1-3	S1-4	20.423	74.371	73.443	0.928	22.0	225	38.9	1.213	1.165
S 3.000	S3-0	S1-4	69.725	74.750	72.758	1.992	35.0	225	0.0	1.071	1.850
S 1.004	S1-4	S1-5	25.044	72.758	71.620	1.138	22.0	225	38.9	1.850	1.718
S 1.005	S1-5	S1-6	11.675	71.545	71.497	0.048	243.2	300	52.7	1.718	1.291
S 1.006	S1-6	S1-7	38.565	71.497	71.304	0.193	200.0	300	52.7	1.291	2.734
S 4.000	S4-0	S1-7	20.474	73.800	72.913	0.887	23.1	225	10.3	1.405	1.200
S 1.007	S1-7	S1-8	22.596	71.304	71.191	0.113	200.0	300	75.9	2.734	1.696
S 1.008	S1-8	Basin 1 Inlet	11.379	70.891	70.663	0.228	49.9	300	75.9	1.996	0.502
S 5.000	S5-0	S5-1	11.098	70.400	70.334	0.066	168.2	225	10.6	1.947	1.666
S 5.001	S5-1	S5-2	45.179	70.334	68.567	1.767	25.6	225	21.8	1.666	1.200
S 6.000	Basin 1 Outlet	S6-1 (Hydrobrake)	4.154	70.475	70.286	0.189	22.0	225	0.0	0.626	0.766
S 6.001	S6-1 (Hydrobrake)	S6-2	18.500	69.686	68.845	0.841	22.0	225	0.0	1.366	0.922
S 5.002	S5-2	S5-3	10.164	68.567	68.125	0.442	23.0	225	21.8	1.200	1.200
S 5.003	S5-3	S5-4	15.062	68.125	67.462	0.663	22.7	225	25.2	1.200	1.200
S 5.004	S5-4	S5-5	10.143	67.462	67.035	0.427	23.8	225	25.2	1.200	1.200
S 5.005	S5-5	S5-6	19.491	67.035	66.149	0.886	22.0	225	31.8	1.200	1.154
S 5.006	S5-6	S5-7	6.226	65.999	65.716	0.283	22.0	225	31.8	1.304	1.242
S 5.007	S5-7	S5-8	28.265	65.716	64.431	1.285	22.0	225	41.5	1.242	1.256
S 7.000	S7-0	S7-1	16.605	64.153	63.398	0.755	22.0	225	4.7	1.200	1.231
S 7.001	S7-1	S7-2	50.222	62.430	62.191	0.239	210.0	225	18.3	2.199	2.077
S 7.002	S7-2	S5-8	29.243	62.191	62.074	0.117	250.0	225	27.9	2.077	3.613
S 5.008	S5-8	S5-9	17.360	61.924	61.855	0.069	250.0	375	78.5	3.613	2.706
S 5.009	S5-9	Basin 2 (Inlet 1)	9.780	61.855	61.816	0.039	250.0	375	78.5	2.706	0.790
S 9.000	S9-0	S9-1	8.559	62.500	62.150	0.350	24.5	225	2.7	1.343	1.274
S 9.001	S9-1	S9-2	21.904	62.150	61.755	0.395	55.5	225	16.3	1.274	0.522
S 9.002	S9-2	Basin 2 (Inlet 2)	23.346	61.755	61.645	0.106	220.2	225	16.3	0.522	0.963
S 10.000	Basin 2 Outlet	S8-4 (Hydrobrake)	4.509	61.590	61.385	0.205	22.0	225	0.0	0.894	1.065
S 8.004	S8-4 (Hydrobrake)	S8-5	18.267	60.900	60.443	0.457	40.0	225	0.0	1.550	0.744
S 8.005	S8-5	EX MH Outfall	18.962	60.150	59.676	0.474	40.0	225	0.0	1.037	0.710