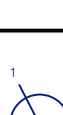
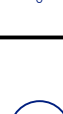
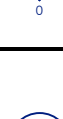
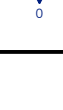
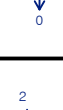
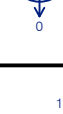
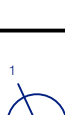
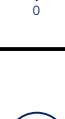
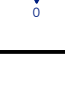
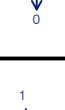
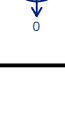


MANHOLE SCHEDULE
Sheet 1 of 3

Manhole Number	Cover Label Depth To Soils	Connections	Pipe			Manhole Size	Types		
			Code	Inverts	Diams		Manhole	Cover	
S1	147.800		0	1.000	146.890	100	450	4	D400
E	302711.122								
N	516816.890								
S2	146.135		0	1.000	145.272	100	450	4	D400
E	302718.966								
N	516833.113								
S3	144.537		0	1.002	143.850	100	450	4	D400
E	302742.381								
N	516840.716								
S4	144.350		0	1.003	143.654	100	450	4	D400
E	302744.422								
N	516836.044								
S5	143.000		0	1.004	142.393	150	450	4	D400
E	302765.162								
N	516840.405								
S6	142.874		0	1.004	142.193	225	450	4	D400
E	302776.415								
N	516844.331								
S7	141.577		0	1.006	140.700	225	450	4	D400
E	302765.820								
N	516875.517								
S8	141.360		0	1.006	140.340	225	1200	4	D400
E	302762.807								
N	516881.421								
S9(CP)	139.094		0	1.007	137.287	300	1200	2	D400
E	302744.417								
N	516932.463								
S10	138.342		0	1.009	136.541	150	1200	3	D400
E	302740.363								
N	516956.335								
S11	135.319		0	1.009	134.322	150	1200	3	D400
E	302669.446								
N	517000.000								
S12	132.585		0	1.010	131.588	100	450	2	D400
E	302605.418								
N	517011.858								
S13	130.610		0	1.011	129.609	100	450	3	D400
E	302545.156								
N	517057.825								
S15	147.065		0	3.000	145.965	100	1200	4	D400
E	302702.002								
N	516816.821								
S16	146.823		0	3.001	145.373	100	1200	4	D400
E	302697.839								
N	516829.347								
S17	145.038		0	3.002	144.688	100	1200	4	D400
E	302715.422								
N	516841.746								
S18	142.580		0	3.002	141.230	100	1200	4	D400
E	302764.113								
N	516866.308								
S19(CP)	141.888		0	3.004	140.188	100	1200	4	D400
E	302760.221								
N	516875.600								
S20	141.538		0	3.005	140.813	100	1200	4	D400
E	302776.107								
N	516878.375								
S21	143.550		0	5.000	142.835	225	450	4	D400
E	302686.202								
N	516897.303								

MANHOLE SCHEDULE
Sheet 2 of 3

Manhole Number	Cover Level	Depth To Soils	Connections	Pipe			Manhole Size	Types	
				Code	Inverts	Diams		Manhole	Cover
S22		143.287		1	5.003	142.362	225		
E	302714.220	0.500						450	4
N	516887.201			0	5.001	142.342	225		D400
S23		141.610		1	5.001	140.885	225		
E	302759.067	0.500						450	4
N	516876.677			0	5.002	140.885	225		D400
S24		145.912		1					
E	302682.051	1.300			6.009	145.112	100	450	4
N	516835.565			0	6.009	145.112	100		D400
S25		146.118		1					
E	302682.422	1.300			6.009	144.718	100	450	4
N	516830.810			0	6.001	144.668	100		D400
S26		144.672		1	6.001	143.222	150		
E	302629.113	1.300			6.002	143.222	150	450	4
N	516803.173			0	6.002	143.222	150		D400
S27(CP)		145.047		1	6.002	143.183	150		
E	302624.191	1.714			6.003	143.878	100	1200	4
N	516859.147			0	6.003	143.878	100		D400
S28		144.647		1	6.003	143.646	100		
E	302614.251	0.901			6.004	143.646	100	450	4
N	516804.163			0	6.004	143.646	100		D400
S29		143.925		2	7.003	142.875	225		
E	302586.814	0.900			6.004	142.825	100	450	4
N	516786.797			0	6.005	142.875	225		D400
S30(CP)		142.525		2	8.000	141.475	150		
E	302573.732	0.900			6.005	141.475	225	450	4
N	516786.689			0	6.006	141.400	225		D400
S31(CP)		142.127		1					
E	302570.408	0.908			6.007	140.364	225	450	4
N	516787.993			0	6.007	140.364	225		D400
S32(CP)		142.068		1	6.007	140.359	225		
E	302573.737	1.484			6.008	140.284	300	1200	2
N	516814.798			0	6.008	140.284	300		D400
S33(CP)		142.100		1	6.008	140.193	300		
E	302580.173	1.607			6.009	140.076	300	1200	3
N	516831.846			0	6.009	140.076	300		D400
S34(CP)		142.508		1					
E	302596.969	2.162			6.010	140.076	300	1200	1
N	516848.309			0	6.010	140.076	300		D400
S35(CP)		142.618		1	6.010	139.966	300		
E	302611.538	2.352			9.003	141.556	225	1200	1
N	516864.692			0	6.011	139.966	300		D400
S36(CP)		141.344		1	6.011	139.935	300		
E	302605.962	1.509			6.012	139.930	300	1200	3
N	516864.602			0	6.012	139.930	300		D400
S37		141.345		1	6.012	139.152	300		
E	302675.011	1.803			6.013	139.152	300	1200	3
N	516815.194			0	6.013	139.152	300		D400
S38		147.000		1					
E	302694.276	0.900			7.000	146.300	150	450	4
N	516816.455			0	7.000	146.300	150		D400
S39		146.381		1	7.000	145.691	150		
E	302670.174	0.900			7.001	145.691	150	450	4
N	516827.838			0	7.001	145.691	150		D400
S40		145.761		1	7.001	145.081	150		
E	302643.839	0.900			7.002	145.081	225	450	4
N	516805.190			0	7.002	145.081	225		D400
S41		145.000		1	7.002	144.330	225		
E	302619.998	0.475			7.003	144.330	225	450	4
N	516784.102			0	7.003	144.330	225		D400

MANHOLE SCHEDULE
Sheet 3 of 3

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types		
Coordinates	Depth To Soils		Code	Inverts	Diams		Manhole	Cover	
S42	145.820 0.400 302664.012 516853.708		0	9.000	145.220	150	450	4	D400
S43	145.787 0.559 302655.938 516836.851		0	9.001	145.028	150	450	4	D400
S44	143.807 0.450 302626.482 516850.883		0	9.001	143.201	150	450	4	D400
S45	143.048 0.425 302623.100 516886.433		0	9.002	143.157	225	450	4	D400
S46	142.806 0.914 302705.910 516854.185		0	4.000	144.792	150	1200	4	D400
S47	145.800 1.075 302685.438 516785.643		0	8.000	145.625	150	1200	4	D400
S48	145.000 1.075 302630.418 516780.003		0	8.001	143.775	150	1200	4	D400
S49	143.700 1.075 302596.079 516785.323		0	8.002	142.525	150	1200	4	D400
S50	143.147 1.075 302580.902 516772.793		0	8.003	141.982	150	1200	4	D400
S51	146.200 1.075 302737.768 516899.935		0	2.000	144.975	150	1200	4	D400
S52	143.490 0.984 302774.871 516821.962		0	2.001	142.306	150	1200	4	D400

STORM Network - 1									
Pipe Code	Diameter (mm)	Gradient (%)	Pipe Type	Number	Upstream Manhole	Cover	Number	Downstream Manhole	Cover
1.000	100	25	Circular	S1	146.00	147.00	S2	145.27	146.13
1.001	100	18	Circular	S2	145.27	146.13	S3	143.91	144.54
1.002	150	30	Circular	S3	143.86	144.54	S4	143.65	144.35
1.003	100	17	Circular	S4	143.65	144.35	S5	142.39	143.05
1.004	225	60	Circular	S5	142.39	143.05	S6	142.19	142.87
1.005	225	23	Circular	S6	142.19	142.87	S7	140.77	141.58
1.006	225	19	Circular	S7	140.70	141.58	S8	140.35	141.39
1.007	225	19	Circular	S8	140.37	141.39	S9(CP)	137.36	139.09
1.008	300	46	Circular	S9(CP)	137.29	139.09	S10	136.54	138.34
1.009	150	28	Circular	S10	137.14	138.34	S11	134.32	135.32
1.010	100	24	Circular	S11	134.32	135.32	S12	131.59	132.59
1.011	100	38	Circular	S12	131.59	132.59	S13	129.61	130.61
2.000	150	15	Circular	S51	144.97	145.97	S52	142.31	143.45
2.001	150	200	Circular	S52	142.31	143.45	S6	142.19	142.87
3.000	100	58	Circular	S15	145.96	147.06	S16	145.45	146.82
3.001	150	31	Circular	S16	145.37	146.82	S17	144.89	146.04
3.002	150	15	Circular	S17	144.69	146.04	S18	141.23	142.58
3.003	150	30	Circular	S18	141.23	142.58	S19(CP)	140.54	141.89
3.004	190	22	Circular	S19(CP)	140.54	141.89	S20	140.19	141.54
3.005	100	159	Circular	S20	140.31	141.54	S7	140.75	141.58
4.000	150	150	Circular	S46	144.79	145.86	S17	144.89	146.04
5.000	225	173	Circular	S21	142.84	143.56	S22	142.58	143.29
5.001	225	27	Circular	S22	142.56	143.29	S23	140.89	141.61
5.002	225	25	Circular	S23	140.89	141.61	S8	140.68	141.39
6.000	150	81	Circular	S24	145.11	146.51	S25	144.72	146.12
6.001	150	30	Circular	S25	144.67	146.12	S26	143.22	144.67
6.002	150	198	Circular	S26	143.22	144.67	S27(CP)	143.18	145.05
6.003	300	48	Circular	S27(CP)	143.08	145.05	S28	143.85	144.85
6.004	190	25	Circular	S28	143.65	144.85	S29	142.93	143.93
6.005	225	19	Circular	S29	142.89	143.93	S30(CP)	141.47	142.62
6.006	225	29	Circular	S30(CP)	141.40	142.62	S31(CP)	140.99	142.13
6.007	225	27	Circular	S31(CP)	140.96	142.13	S32(CP)	140.39	142.07
6.008	300	200	Circular	S32(CP)	140.28	142.07	S33(CP)	140.19	142.16
6.009	300	200	Circular	S33(CP)	140.19	142.10	S34(CP)	139.88	142.54
6.010	300	250	Circular	S34(CP)	140.08	142.54	S35(CP)	139.81	142.62
6.011	300	48	Circular	S35(CP)	139.97	142.62	S36(CP)	139.53	141.34
6.012	300	200	Circular	S36(CP)	139.54	141.34	S37	139.15	141.34
7.000	300	36	Circular	S38	139.15	141.34	S38(CP)	137.26	139.09
7.001	150	44	Circular	S38	140.30	141.00	S39	140.59	146.39
7.002	225	36	Circular	S40	145.06	146.76	S41	144.33	145.03
7.003	225	15	Circular	S41	144.33	145.03	S29	142.89	143.93
8.000	150	26	Circular	S44	143.63	146.85	S48	143.77	145.00
8.001	150	10	Circular	S44	143.77	145.00	S49	143.00	144.23
8.002	150	28	Circular	S49	142.33	143.75	S50	141.92	143.13
8.003	150	28	Circular	S49	143.15	144.99	S43(CP)	141.47	142.71
9.000	150	103	Circular	S42	145.22	145.82	S43	145.04	145.79
9.001	150	18	Circular	S43	145.04	145.79	S44	143.21	143.81
9.002	150	16	Circular	S43	145.81	146.41	S45	142.45	143.05
9.003	225	16	Circular	S45	142.45	143.04	S35	141.86	142.62