

STORM Network 1													
Pipe Code	Diameter (mm)	Gradient (1)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	Number	Upstream Manhole Invert	Cover
1.000	225	168	PVC-U	29.682	S101	24.80	26.32	S102	24.82	26.80	1.000	225	168
1.001	225	168	PVC-U	29.682	S102	24.82	26.80	S104	23.62	25.20	1.002	450	241
1.002	450	241	CONC	19.049	S104	23.40	25.20	S105	23.32	24.41	1.003	450	241
1.003	450	241	CONC	21.311	S105	23.32	25.41	S106	23.23	25.35	1.004	450	241
1.004	450	241	CONC	11.349	S106	23.23	25.35	S107	23.19	25.06	1.005	450	241
1.005	450	241	CONC	38.978	S107	23.19	25.06	S108	22.50	24.08	1.006	450	241
1.006	450	241	CONC	9.105	S108	22.50	24.08	S109	22.47	23.87	1.007	1500	401
1.007	1500	401	CONC	55.292	S109	20.60	23.87	S110	20.46	24.20	1.008	1500	401
1.008	1500	401	CONC	54.750	S110	20.46	24.20	S111	20.32	23.82	1.009	1500	401
1.009	1500	401	CONC	50.715	S111	20.32	23.82	S112	20.20	24.37	1.010	1500	401
1.010	1500	401	CONC	17.610	S112	20.20	24.37	S115	20.15	23.86	1.011	1500	401
1.011	1500	401	CONC	60.022	S115	20.15	23.86	S116	20.10	23.79	1.012	375	33
1.012	375	33	CONC	17.735	S141	20.00	23.79	S142	19.46	23.15	1.013	375	33
1.013	375	33	CONC	68.609	S142	19.46	23.15	S143	18.20	23.29	1.014	375	33
1.014	375	33	CONC	17.616	S143	18.20	23.29	S144	17.88	21.32	1.015	375	33
1.015	375	33	CONC	42.134	S144	17.88	21.32	S145	17.09	20.62	1.016	375	33
1.016	375	33	CONC	87.958	S145	17.09	20.62	S146	15.43	16.56	1.017	300	24
2.000	300	187	PVC-U	37.707	S103	23.74	25.46	S104	23.50	25.20	3.000	225	40
3.000	225	40	PVC-U	24.730	S113	23.38	25.10	S114	22.76	24.88	4.000	225	40
4.000	225	40	PVC-U	26.721	S114	22.76	24.88	S115	22.24	23.86	5.000	225	40
5.000	225	40	PVC-U	78.717	S115	22.24	23.86	S116	22.71	26.82	6.000	225	40
6.000	225	40	PVC-U	31.677	S117	23.64	26.62	S118	23.51	26.63	7.000	225	40
7.000	225	40	PVC-U	7.708	S118	23.51	26.63	S119	23.47	26.50	8.000	225	40
8.000	225	40	PVC-U	6.220	S119	23.47	26.50	S120	23.45	26.39	9.000	225	40
9.000	225	40	PVC-U	12.851	S120	21.62	26.39	S124	21.59	26.17	10.000	225	40
10.000	225	40	PVC-U	25.779	S124	21.59	26.17	S125	21.52	26.03	11.000	225	40
11.000	225	40	PVC-U	33.863	S125	21.52	26.03	S130	21.43	26.50	12.000	225	40
12.000	225	40	PVC-U	51.363	S130	21.43	26.50	S139	21.30	26.03	13.000	225	40
13.000	225	40	PVC-U	11.000	S139	21.30	26.03	S140	21.23	25.88	14.000	225	40
14.000	225	40	PVC-U	47.962	S140	20.12	25.88	S141	20.00	23.79	15.000	225	40
15.000	225	40	PVC-U	67.433	S141	20.00	23.79	S142	22.71	26.82	16.000	225	40
16.000	225	40	PVC-U	21.988	S142	21.74	25.83	S123	21.68	25.51	17.000	225	40
17.000	225	40	PVC-U	39.292	S123	21.68	25.51	S124	21.59	26.17	18.000	225	40
18.000	225	40	PVC-U	32.491	S124	21.59	26.17	S127	21.52	25.80	19.000	225	40
19.000	225	40	PVC-U	8.027	S127	23.97	25.99	S128	23.78	25.80	20.000	225	40
20.000	225	40	PVC-U	7.477	S128	23.78	25.80	S129	23.70	25.80	21.000	225	40
21.000	225	40	PVC-U	32.491	S129	23.70	25.80	S130	21.43	26.50	22.000	225	40
22.000	225	40	PVC-U	16.720	S131	23.05	24.78	S132	22.95	24.97	23.000	225	40
23.000	225	40	PVC-U	30.020	S132	22.95	24.97	S134	22.49	25.35	24.000	225	40
24.000	225	40	PVC-U	65.372	S134	21.67	25.35	S136	21.51	25.39	25.000	225	40
25.000	225	40	PVC-U	14.839	S136	21.51	25.39	S137	21.47	25.52	26.000	225	40
26.000	225	40	PVC-U	92.025	S137	21.47	25.52	S138	21.34	26.10	27.000	225	40
27.000	225	40	PVC-U	14.931	S138	21.34	26.10	S139	21.30	26.03	28.000	225	40
28.000	225	40	PVC-U	22.219	S139	21.30	26.03	S134	21.40	25.35	29.000	225	40
29.000	225	40	PVC-U	37.063	S135	21.45	25.33	S136	21.51	25.39			

STORM Network 2													
Pipe Code	Diameter (mm)	Gradient (1)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	Number	Upstream Manhole Invert	Cover
1.000	450	363	CONC	23.610	S201	24.33	26.25	S206	24.27	26.44	1.001	525	368
1.001	525	368	CONC	9.584	S206	24.19	26.44	S207	24.17	26.32	1.002	525	368
1.002	525	368	CONC	11.629	S207	24.17	26.32	S208	24.14	26.19	1.003	525	368
1.003	525	368	CONC	41.151	S208	24.14	26.19	S211	24.04	26.48	1.004	525	368
1.004	525	368	CONC	63.134	S211	24.04	26.48	S212	23.88	26.38	1.005	525	368
1.005	525	368	CONC	68.609	S212	23.88	26.38	S213	23.85	26.50	1.006	525	368
1.006	525	368	CONC	35.544	S213	23.85	26.50	S214	23.76	25.89	1.007	525	368
1.007	525	368	CONC	14.282	S214	23.76	25.89	S215	23.72	25.57	1.008	525	368
1.008	525	368	CONC	29.862	S215	23.42	25.57	S216	23.35	25.00	1.009	225	53
1.009	225	53	PVC-U	18.560	S216	23.35	25.00	S221	23.03	24.71	1.010	225	53
1.010	225	53	CONC	62.862	S221	22.80	24.71	S222	22.12	24.86	1.011	525	368
1.011	525	368	CONC	62.867	S222	22.05	24.66	S223	21.89	24.32	1.012	300	167
1.012	300	167	PVC-U	10.000	S223	21.89	24.32	S223a	21.83	24.44	1.013	300	167
1.013	300	167	PVC-U	46.656	S223a	21.83	24.44	S224	21.31	24.15	1.014	600	400
1.014	600	400	CONC	8.849	S224	21.31	24.15	S225	21.26	24.01	1.015	600	400
1.015	600	400	CONC	60.733	S225	21.26	24.01	S226	21.11	23.30	1.016	600	400
1.016	600	400	CONC	78.868	S226	21.11	23.30	S227	20.81	22.86	1.017	600	400
1.017	600	400	CONC	31.667	S227	20.81	22.86	S246	20.82	23.07	1.018	600	400
1.018	600	365	CONC	11.457	S246	20.82	23.07	S247	20.79	22.99	1.019	600	400
1.019	600	400	CONC	68.943	S247	20.50	22.00	S248	20.25	22.00	1.020	900	401
1.020	900	401	CONC	36.960	S248	20.25	22.00	S250	20.16	22.00	1.021	375	33
1.021	375	33	CONC	16.460	S250	20.15	22.00	S253	19.85	21.65	1.022	1200	401
1.022	1200	401	CONC	48.589	S253	16.72	21.65	S254	16.80	19.31	1.023	375	43
1.023	375	43	CONC	11.248	S254	16.80	19.31	S255	16.34	19.03	1.024	375	43
1.024	375	115	CONC	24.866	S255	16.34	19.03	S256	16.12	18.49	1.025	375	115
1.025	375	115	CONC	28.408	S256	16.12	18.49	S257	15.88	17.91	1.026	375	115
1.026	375	115	CONC	48.251	S257	15.88	17.91	S258	14.78	16.91	1.027	375	115
1.027	375	25	CONC	18.321	S258	14.78	16.91	S259	14.04	15.00	2.000	450	308
2.000	450	308	CONC	34.665	S260	24.52	26.54	S263	24.43	26.10	2.001	450	308
2.001	450	401	CONC	11.620	S263	24.43	26.10	S264	24.41	26.10	2.002	450	308
2.002	450	402	CONC	21.308	S264	24.41	26.10	S265	24.35	26.00	2.003	450	308
2.003	450	308	CONC	34.665	S265	24.35	26.00	S266	24.27	26.44	2.004	450	308
2.004	450	308	CONC	46.478	S266	24.35	26.00	S267	24.14	26.32	2.005	450	308
2.005	450	308	CONC	12.603	S267	24.14	26.32	S211	24.11	26.48	2.006	225	80
2.006	225	80	PVC-U	18.462	S217	23.89	25.11	S218	23.46	24.88	2.007	225	80
2.007	225	76	PVC-U	9.366	S218	23.46	24.88	S219	23.33	24.63	2.008	225	80
2.008	225	80	PVC-U	13.308	S219	23.33	24.63	S221	23.03	24.71	2.009	225	80
2.009	225	46	PVC-U	22.880	S220	23.32	24.94	S221	23.03	24.71	2.010	225	80
2.010	225	24	PVC-U	21.282	S228	23.50	25.99	S230	22.81	25.47	2.011	600	369
2.011	600	369	CONC	70.649	S230	21.34	25.47	S231	21.16	24.24	2.012	600	369
2.012	600	300	CONC	8.476	S231	21.16	24.24	S234	21.14	24.10	2.013	600	369
2.013	600	369	CONC	20.214	S237	21.14	24.10	S238	21.09	23.76	2.014	600	369
2.014	600	368	CONC	30.682	S238	21.09	23.76	S239	21.01	23.33	2.015	600	369
2.015	600	400	CONC	13.343	S239	21.01	23.33	S244	20.98	23.14	2.016	600	369
2.016	600	400	CONC	48.804	S244	20.98	23.31	S245	20.84	23.14	2.017	600	400
2.017	600	400	CONC	12.448	S245	20.85	23.14	S246	20.82	23.07	2.018	225	20
2.018	225	20	PVC-U	22.832	S229	23.76	25.19	S230	22.87	25.47	2.019	225	20
2.019	225	43	PVC-U	23.968	S232	23.05	24.93	S233	22.94	24.37	2.020	225	20
2.020	225	26	PVC-U	35.659	S235	22.94	24.37	S236	22.57	23.70	2.021	225	20
2.021	225	29	PVC-U	47.068	S238	22.30	23.70	S239	22.17	23.89	2.022	225	20
2.022	225	37	CONC	7.979	S239	22.31	23.99	S237	21.29	24.10	2.023	225	20
2.023	225	47	CONC	47.068	S242	21.67	23.89	S243	21.57	24.10	2.024	225	20
2.024	225	40	CONC	54.501	S240	21.32	24.53	S241	21.19	24.24	2.025	225	20
2.025	225	40	CONC	19.979	S241	21.19	24.24	S242	21.14	23.91	2.026	225	20
2.026	225	40	CONC	41.651	S242	21.14	23.91	S243	21.02	23.64	2.027	225	20
2.027	225	40	CONC	13.819	S243	21.02	23.64	S244	20.98	23.31	2.028	225	20
2.028	225	40	CONC	67.157	S244	20.98	23.31	S245	20.84	23.14	2.029	225	20
2.029	225	40	CONC	24.988	S252	21.76	24.00	S253	21.72	21.65	2.030	225	20