



STORM Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Downstream Manhole Number	Downstream Manhole Invert	Cover	
1.001	300	150	CLAY	25.774	S102	89.44	92.32	S103	89.44	92.32	
1.002	300	150	CLAY	27.917	S103	89.27	92.14	S104	89.08	91.45	
1.003	300	150	CLAY	17.748	S104	89.38	91.45	S105	89.03	91.05	
1.004	300	239	CLAY	22.431	S105	89.00	91.00	S106	88.91	90.43	
1.005	300	239	CLAY	20.291	S106	88.91	90.43	S107	88.82	90.42	
1.006	300	19	CLAY	28.852	S107	88.82	90.42	S1	87.40	89.35	
1.007	300	44	CLAY	28.859	S1	87.50	89.35	S3	86.85	88.00	
1.008	300	102	CLAY	46.372	S4	86.11	88.04	S5	85.09	87.61	
1.009	300	102	CLAY	46.372	S4	86.11	88.04	S5	85.09	87.61	
1.010	675	48	CONC	61.448	S5	83.82	87.61	S11	82.23	84.81	
1.011	675	48	CONC	11.511	S11	84.81	91.2	S12	82.20	84.27	
1.012	675	45	CONC	46.616	S12	82.20	84.27	S13	81.17	83.41	
1.013	675	67	CONC	24.120	S13	81.17	83.41	S15	80.81	82.96	
1.014	675	51	CONC	12.834	S15	80.81	82.96	S16	80.56	82.80	
1.015	675	79	CONC	29.844	S16	80.56	82.80	S20	80.18	83.05	
1.016	750	78	CONC	46.225	S20	77.94	83.05	S21	77.38	79.52	
1.017	750	84	CONC	34.277	S21	75.85	79.52	S23	77.69	77.69	
1.018	750	48	CONC	20.718	S23	73.19	77.69	S24	72.76	75.00	
1.019	750	48	CONC	13.130	S24	70.56	75.00	S25	70.56	73.50	
1.020	750	43	CONC	29.678	S25	68.96	73.50	S26	67.87	70.61	
1.021	750	50	CONC	71.017	S26	65.60	70.61	S27	64.18	66.50	
1.022	750	50	CONC	24.246	S27	64.18	66.50	SHWALL 1	63.70	65.00	
1.023	750	401	CONC	56.728	SHWALL 1	63.13	65.00	S28	62.99	64.80	
1.024	450	24	CONC	46.344	S28	62.99	64.80	S29	61.06	62.75	
1.025	450	100	CONC	16.552	S29	59.47	62.75	S30	58.30	60.25	
2.000	225	21	CLAY	6.543	S2	92.24	99.32	S3	96.82	99.00	
3.002	225	23	CLAY	20.438	S201	93.05	96.00	S202	92.99	94.54	
3.001	225	25	CLAY	17.475	S202	92.99	94.28	S205	91.80	93.58	
3.002	450	151	CONC	21.103	S205	91.00	93.58	S208	90.86	93.27	
3.003	450	44	CONC	10.697	S216	89.70	91.66	S218	89.56	92.32	
3.004	450	78	CONC	43.275	S209	90.34	92.29	S210	90.08	92.42	
3.005	450	103	CONC	30.699	S210	90.08	92.42	S216	89.70	91.96	
3.006	450	78	CONC	10.697	S216	89.70	91.66	S218	89.56	92.32	
3.007	450	400	CONC	48.819	S218	89.12	92.32	S219	89.01	92.59	
3.008	450	401	CONC	18.860	S219	88.99	92.59	S224	88.86	92.57	
3.009	450	401	CONC	25.673	S224	88.96	92.57	S225	88.89	92.29	
3.010	450	398	CONC	17.517	S225	88.89	92.29	S226	88.85	92.55	
3.011	450	400	CONC	14.860	S226	88.85	92.55	S227	88.71	92.71	
3.012	450	400	CONC	24.003	S227	88.71	92.71	S228	88.65	92.08	
3.013	450	53	CONC	51.144	S228	88.65	92.08	S229	87.88	90.60	
3.014	450	53	CONC	29.659	S229	87.88	90.60	S231	87.29	89.67	
3.015	450	403	CONC	28.598	S231	87.29	89.67	S232	87.22	89.63	
3.016	450	127	CONC	29.676	S232	87.22	89.63	S239	86.97	89.67	
3.017	450	44	CONC	44.143	S239	86.00	89.67	S5	85.00	87.61	
4.000	300	80	CLAY	26.860	S303	92.31	94.03	S304	91.97	93.70	
4.001	300	73	CLAY	10.707	S304	91.97	93.70	S305	91.53	93.56	
5.000	225	80	CLAY	13.083	S206	91.90	93.62	S207	91.73	93.45	
5.001	225	42	CLAY	27.182	S207	91.73	93.45	S208	91.08	93.27	
6.000	225	31	CLAY	36.003	S211	91.66	93.62	S212	90.75	92.45	
6.001	300	68	CLAY	56.048	S215	90.68	92.45	S216	89.85	91.95	
7.000	225	41	CLAY	11.593	S220	87.86	89.69	S231	87.78	89.67	
7.001	300	80	CLAY	20.987	S213	91.47	93.20	S214	91.21	92.84	
7.002	300	88	CLAY	47.234	S214	91.21	92.84	S215	90.88	92.45	
8.000	225	11	CLAY	10.860	S217	92.67	93.18	S218	92.57	93.32	
9.000	225	80	CLAY	9.864	S220	91.47	93.20	S221	91.35	93.40	
9.001	300	41	CLAY	37.117	S221	91.28	93.40	S222	90.37	92.17	
9.002	300	92	CLAY	41.136	S201	90.99	93.17	S202	90.86	91.68	
9.003	300	41	CLAY	21.676	S223	89.96	91.66	S224	89.83	92.37	
10.000	225	28	CLAY	11.593	S220	87.86	89.69	S231	87.78	89.67	
11.000	225	61	CLAY	58.375	S233	92.33	94.05	S234	91.75	93.45	
11.001	300	168	CLAY	43.117	S234	91.31	93.11	S235	91.05	93.10	
11.002	300	168	CLAY	57.616	S235	91.05	93.10	S236	90.71	92.63	
11.003	300	168	CLAY	28.234	S236	90.71	92.63	S237	90.54	92.33	
11.004	300	168	CLAY	19.466	S237	89.47	92.33	S238	89.36	91.27	
11.005	300	168	CLAY	19.555	S238	89.37	91.27	S239	87.96	89.67	
12.000	225	70	CLAY	21.361	S6	86.14	87	S7	84.06	85.84	
12.001	225	68	CLAY	25.623	S7	84.06	85.84	S8	83.68	85.46	
12.002	225	72	CLAY	24.203	S8	83.68	85.46	S9	83.35	85.12	
12.003	300	102	CLAY	46.800	S9	83.27	85.12	S10	82.81	84.55	
12.004	300	240	CLAY	50.347	S10	84.55	86.14	S11	82.60	84.81	
13.000	225	15	CLAY	21.739	S14A	84.12	85.85	S14	82.69	84.40	
13.001	225	20	CLAY	28.254	S14	82.67	84.40	S15	81.26	82.95	
14.000	225	170	CLAY	13.070	S17	83.68	85.45	S18	83.61	85.03	
14.001	450	31	CONC	27.983	S18	83.38	85.03	S19	82.48	84.50	
14.002	450	26	CONC	27.628	S19	81.48	84.50	S20	80.41	83.05	
15.000	225	32	CLAY	41.136	S301	96.99	98.01	S302	95.31	96.73	
15.001	225	111	CLAY	35.630	S302	95.31	96.73	S303	94.99	95.62	
15.002	225	28	CLAY	34.459	S303	94.20	95.62	S304	92.99	94.54	
15.003	300	150	CLAY	21.353	S304	92.91	94.64	S305	92.77	94.73	
15.004	300	88	CLAY	16.052	S305	92.77	94.73	S309	92.59	94.25	
15.005	300	27	CLAY	21.523	S309	92.59	94.25	S310	91.81	93.43	
15.006	450	49	CONC	40.929	S310	91.66	93.43	S311	90.83	92.63	
15.007	450	61	CONC	22.466	S311	90.83	92.63	S312	90.46	92.26	
15.008	450	26	CONC	32.650	S312	90.46	92.26	S313	89.20	91.16	
15.009	450	188	CONC	25.532	S313	88.35	91.16	S321	88.21	89.75	
15.010	450	398	CONC	20.720	S321	86.70	89.75	S322	86.65	88.40	
15.011	450	399	CONC	35.522	S322	84.86	88.40	S324	84.77	86.72	
15.012	450	181	CONC	34.367	S324	83.80	86.72	S331	83.41	86.26	
15.013	450	201	CONC	26.368	S331	83.41	86.26	S18	83.31	85.03	
16.000	225	55	CLAY	31.679	S306	93.61	95.33	S307	93.03	94.75	
16.001	225	151	CLAY	15.813	S307	93.03	94.75	S308	92.93	94.46	
16.002	225	66	CLAY	17.687	S308	92.93	94.46	S309	92.66	94.25	
17.000	225	66	CLAY	34.996	S314	93.82	95.33	S315	93.29	95.46	
17.001	225	41	CLAY	11.207	S315	93.29	95.46	S316	93.02	95.36	
17.002	225	42	CLAY	31.434	S316	93.02	95.36	S317	92.27	93.94	
17.003	225	168	CLAY	44.603	S317	90.71	93.94	S318	90.45	92.23	
17.004	300	150	CLAY	29.940	S318	90.37	92.23	S319	90.18	91.82	
17.005	300	24	CLAY	20.170	S319	90.18	91.83	S320	89.34	91.00	
17.006	300	19	CLAY	16.728	S320	89.34	91.00	S321	88.36	90.23	
18.000	450	401	CONC	38.631	S323	93.70	97.37	S324	93.00	96.12	
19.000	225	38	CLAY	63.225	S325	89.14	91.60	S326	87.47	89.20	
19.001	300	84	CLAY	28.234	S328	87.40	89.20	S327	86.87	88.40	
19.002	300	168	CLAY	21.480	S327	86.74	88.60	S328	85.61	87.76	
19.003	300	168	CLAY	10.725	S328	85.61	87.76	S329	85.55	87.25	
19.004	450	396	CONC	16.244	S329	85.40	87.25	S330	85.36	86.49	
19.005	450	399	CONC	13.982	S330	84.40	86.49	S331	84.36	86.26	
20.000	225	199	CLAY	21.861	S22A	78.32	80.05	S22B	76.20	79.92	
20.001	225	11	CLAY	18.688	S22B	76.20	79.92	S22	76.55	79.36	
20.002	225	11	CLAY	14.615	S22	76.55	79.36	S23	75.22	77.89	
21.000	225	171	CLAY	19.125	S24A	72.72	74.45	S24B	72.61	74.86	
21.001	225	170	CLAY	35.277	S24B	72.61	74.85	S24C	72.41	76.50	
21.002	225	74	CLAY	23.037	S24C	72.41	76.50	S24	72.09	76.00	

- Notes
- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
 - All sewers shall be constructed in accordance with Sewers for Adoption 6th Edition and United Utilities Details & Guidelines