

DO NOT SCALE



0 5 10 15 20 25 30 35 40 45 50
SCALE BAR (m)

© Copyright The original of this drawing contained coloured symbols and/or features. Any black and white reproduction should not be relied upon.

Legend

- Site Boundary
- 600 W Brick Retaining Wall
- 450 FDE Flag Retaining Wall
- 300 GB Gravel Board
- 150 UB Underbuild
- FFL 18.65 Plot Slab Level
- S01 Adoptable Surface Water Sewer
- F01 Adoptable Foul Sewer
- FC Flow Control Manhole
- Sewer Easement
- Depth of fill (Existing levels to proposed)
- Cellular Attenuation Tank
- SUDS Basin

Cellular Crate 1 (S38)
Crate Base = 12.050
Area = 484sq.m
Storage Volume = 38.4cu.m
Crate Depth = 800mm (2 row)

STORM Network 1											
Pipe Code	Diameter (mm)	Gradient (1%)	Pipe Type	Pipe Length (m)	Number	Upstream Manhole Invert	Cover	Downstream Manhole Invert	Cover	Number	Cover
1.000	225	58	Circular	24.749	S1	17.47	18.89	S2	17.04	18.58	
1.001	300	48	Circular	18.904	S2	16.97	18.58	S3	16.63	18.38	
1.002	300	42	Circular	10.105	S3	16.53	18.38	S4	16.36	18.26	
1.003	375	300	Circular	12.486	S7	16.32	18.25	S8	16.27	18.08	
1.004	375	78	Circular	15.772	S8	16.27	18.08	S12	16.07	17.79	
1.005	450	86	Circular	16.168	S12	15.80	17.79	S13	15.62	17.46	
1.006	450	50	Circular	17.171	S13	15.82	17.46	S14	15.47	17.12	
1.007	450	31	Circular	23.884	S14	15.47	17.12	S15	14.89	16.64	
1.008	450	27	Circular	14.681	S15	14.89	16.64	S31	14.15	15.51	
1.009	450	26	Circular	16.200	S31	14.15	15.51	S32	13.54	15.06	
1.010	400	675	Circular	16.088	S47	11.81	16.36	S48	11.77	15.82	
1.011	750	127	Circular	17.888	S48	11.89	15.82	S49	11.55	15.60	
1.012	750	48	Circular	18.218	S49	11.55	15.60	S50	11.18	15.35	
1.013	750	65	Circular	16.756	S50	11.18	15.35	S55	10.92	15.05	
1.014	750	400	Circular	33.001	S55	10.92	14.95	S56	10.84	13.86	
1.015	750	83	Circular	12.475	S56	10.84	13.86	S57	10.69	13.45	
1.016	750	40	Circular	14.078	S57	10.69	13.45	S58	10.41	13.17	
1.017	750	51	Circular	10.170	S58	10.41	12.98	S59	10.21	12.63	
1.018	750	51	Circular	16.368	S59	10.21	12.63	S60	9.90	12.07	
1.019	750	51	Circular	30.360	S60	9.90	12.07	S62	7.77	10.75	
1.020	750	48	Circular	10.744	S62	7.77	10.75	S65	7.55	10.22	
1.021	750	49	Circular	24.120	S65	7.55	10.22	S66	7.35	9.50	
1.022	750	49	Circular	11.286	S66	7.35	9.50	S67	5.12	7.97	
1.023	750	49	Circular	10.780	S67	5.12	7.97	S68	4.90	7.44	
1.024	750	49	Circular	19.261	S68	4.90	7.44	S69	4.50	6.80	
1.025	750	47	Circular	17.563	S69	4.50	6.80	S70	4.13	6.26	
2.000	225	170	Circular	12.837	S4	16.70	18.12	S5	16.62	18.26	
2.001	300	240	Circular	17.537	S5	16.62	18.26	S6	16.47	18.38	
2.002	300	240	Circular	18.883	S6	16.47	18.38	S7	16.39	18.25	
3.000	225	72	Circular	20.240	S9	18.83	19.83	S10	18.25	19.55	
3.001	300	102	Circular	12.822	S10	18.47	18.04	S11	18.35	17.92	
3.002	300	88	Circular	17.581	S11	18.35	17.92	S12	18.15	17.79	
4.000	225	103	Circular	21.037	S16	18.87	19.09	S17	18.48	19.87	
4.001	225	99	Circular	10.873	S17	18.48	19.89	S18	18.35	19.78	
4.002	225	101	Circular	20.501	S18	18.35	19.78	S19	18.15	19.57	
4.003	225	74	Circular	19.586	S19	18.15	19.50	S20	17.84	19.34	
4.004	225	40	Circular	13.326	S20	17.84	19.36	S21	17.61	19.03	
4.005	225	35	Circular	13.609	S21	17.61	19.03	S22	17.16	18.58	
4.006	225	30	Circular	10.370	S22	17.16	18.58	S23	16.82	18.24	
4.007	225	30	Circular	11.673	S23	16.82	18.24	S24	16.43	17.86	
4.008	225	30	Circular	14.584	S24	16.43	18.25	S25	15.85	17.28	
4.009	300	30	Circular	22.745	S25	15.85	17.38	S26	15.12	16.61	
4.010	300	240	Circular	16.847	S26	15.12	16.61	S27	15.04	16.75	
4.011	300	240	Circular	13.621	S27	15.04	16.75	S28	14.79	16.38	
4.012	300	240	Circular	14.962	S28	14.79	16.83	S29	14.93	16.72	
4.013	375	30	Circular	10.716	S29	14.93	16.20	S30	14.82	16.20	
4.014	375	40	Circular	23.429	S30	14.82	16.59	S31	14.22	16.35	
5.000	225	34	Circular	24.180	S32	16.45	17.88	S33	15.73	17.23	
5.001	225	31	Circular	21.801	S33	15.73	17.23	S34	15.03	16.53	
5.002	225	24	Circular	20.930	S34	15.03	16.53	S35	14.17	15.60	
5.003	300	36	Circular	19.786	S35	14.09	15.59	S36	13.03	15.03	
5.004	300	36	Circular	30.863	S36	13.03	15.59	S37	12.80	14.84	
5.005	450	139	Circular	18.940	S37	12.45	14.34	S38	12.34	13.90	
5.006	450	878	Circular	48.774	S38	12.11	13.98	S39	11.99	14.00	
5.007	675	400	Circular	15.250	S44	11.99	14.93	S45	11.95	15.19	
5.008	675	400	Circular	19.642	S45	11.95	15.19	S46	11.90	15.01	
5.009	675	400	Circular	34.481	S46	11.90	15.01	S47	11.81	14.96	
6.000	150	41	Circular	11.009	S39	14.91	16.26	S40	14.64	15.99	
6.001	150	41	Circular	10.414	S40	14.64	15.99	S41	14.39	15.74	
6.002	150	36	Circular	17.051	S41	14.31	15.74	S42	13.93	15.34	
6.003	150	25	Circular	7.383	S42	13.93	15.33	S43	13.74	15.17	
6.004	225	73	Circular	17.188	S43	13.74	15.17	S44	13.61	15.04	
6.005	225	73	Circular	41.152	S51	11.69	13.19	S52	11.52	14.02	
7.001	300	240	Circular	11.126	S52	11.52	14.02	S53	11.48	14.25	
7.002	375	300	Circular	9.173	S53	11.40	13.93	S54	11.37	14.44	
7.003	450	400	Circular	27.709	S54	11.29	14.44	S55	11.22	14.95	
8.000	300	38	Circular	29.684	S61	8.98	10.48	S62	8.22	10.76	
8.001	300	38	Circular	46.043	S62	8.98	10.48	S63	8.64	10.94	
8.002	300	240	Circular	14.999	S64	8.06	10.09	S65	8.00	10.22	
8.003	300	240	Circular	14.945	S66	7.99	9.99	S67	7.95	9.99	
8.004	300	240	Circular	46.320	S67	7.95	9.99	S68	7.93	9.99	
8.005	300	240	Circular	11.480	S71	10.32	11.75	S72	10.25	11.96	
8.006	300	240	Circular	28.289	S72	10.25	11.75	S73	10.25	11.96	
8.007	300	240	Circular	6.725	S73	9.93	11.35	S74	9.87	11.09	
8.008	300	240	Circular	11.681	S74	9.99	11.09	S75	9.78	11.08	
8.009	300	240	Circular	17.465	S75	9.78	11.08	S76	9.78	11.08	
8.010	300	240	Circular	15.815	S76	9.08	10.64	S77	8.70	10.48	
8.011	300	21	Circular	8.189	S77	8.70	10.48	S78	8.27	10.39	
8.012	300	240	Circular	46.753	S88	6.95	9.39	S89	6.86	9.47	
8.013	300	240	Circular	10.404	S88	6.46	8.48	S87	6.42	8.07	
8.014	300	240	Circular	14.215	S89	6.42	8.07	S86	6.37	7.51	
8.015	450	26	Circular	14.184	S88	5.85	7.51	S89	5.31	6.96	
8.016	450	38	Circular	5.581	S89	5.31	6.96	S94	5.13	6.76	
8.017	450	38	Circular	14.564	S94	4.37	6.76	S95	4.30	6.80	
8.018	450	38	Circular	19.181	S78	7.31	8.73	S79	7.19	9.05	
8.019	225	170	Circular	10.016	S79	7.19	8.05	S80	7.13	9.25	
8.020	300	240	Circular	11.244	S80	7.06	8.23	S81	7.01	8.91	
8.021	300	240	Circular	11.354	S81	7.01	8.42	S82	6.96	9.61	
8.022	300	240	Circular	11.819	S82	7.01	8.42	S83	6.92	9.80	
8.023	300	240	Circular	10.812	S83	6.92	9.80	S84	6.87	9.98	
8.024	375	300	Circular	30.123	S84	6.80	9.98	S85	6.70	10.39	
8.025	300	240	Circular	30.353	S85	6.70	10.39	S86	6.54	10.84	
8.026	300	240	Circular	10.030	S81	4.58	6.23	S82	4.54	6.39	
8.027	300	240	Circular	11.987	S82	4.54	6.23	S83	4.49	6.58	
8.028	375	300	Circular	11.989	S83	4.41	6.58	S84	4.37	6.76	

FOUL Network 2											
Pipe Code	Diameter (mm)	Gradient (1%)	Pipe Type	Pipe Length (m)	Number	Upstream Manhole Invert	Cover	Number	Downstream Manhole Invert	Cover	Number
1.000	150	44	Circular	24.488	F1	16.96	18.85	F2	16.41	18.54	
1.001	150	45	Circular	20.983	F2	16.41	18.54	F4	15.94	18.28	
1.002	150	61	Circular	16.407	F4	15.94	18.28	F5	15.67	18.05	
1.003	150	59	Circular	16.885	F5	15.67	18.05	F9	15.39	17.74	
1.004	150	59	Circular	16.448	F9	15.39	17.74	F10	15.11	17.42	
1.005	150	55	Circular	17.222	F10	15.11	17.42	F11	14.81	17.07	
1.006	150	58	Circular	23.623	F11	14.81	17.07	F12	14.41	16.60	
1.007	150	15	Circular	8.614	F12	14.41	16.60	F26	13.78	16.41	
1.008	150	12	Circular	16.636	F26	13.78	16.41	F28	13.45	16.10	
1.009	150	150	Circular	18.024	F39	11.09	16.10	F40	10.97	15.84	
1.010	150	150	Circular	42.140	F51	10.97	15.84	F41	10.54	15.02	
1.011	150	120	Circular	30.057	F41	10.83	15.57	F45	10.58	15.02	
1.012	150	150	Circular	37.605	F45	10.58	15.02	F46	10.32	13.77	
1.013	150	150	Circular	12.068	F46	10.32	13.77	F47	10.24	13.34	
1.014	150	150	Circular	13.237	F47	10.24	13.34	F48	10.15	12.90	
1.015	150	150	Circular	11.850	F48	10.15	12.90	F49	10.07	12.52	
1.016	150	160	Circular	16.828	F49	10.07	12.52	F50	9.86	11.97	
1.017	150	20	Circular	31.424	F50	9.96	11.97	F51	9.86	10.66	
1.018	225	10	Circular	42.140	F51	8.79	10.05	F52	8.54	10.42	
1.019	225	235	Circular	19.251	F52	8.54	10.42	F53	8.02	9.60	
1.020	225	10	Circular	18.310	F55	8.42	10.60	F56	8.32	10.59	
1.021	225	10	Circular	14.755	F56	8.32	10.59	F57	8.23	10.40	
1.022	225	9	Circular	9.797	F57	8.23	10.40	F58	8.17	10.35	
1.023	225	10	Circular	34.609	F58	8.17	10.35	F59	7.97	8.88	
1.024	225	10	Circular	12.228	F59	7.97	8.88	F60	7.90	8.60	
1.025	225	10	Circular	13.319	F60	7.90	8.60	F61	8.47	8.83	
1.026	225	10	Circular	12.964	F61	7.83	8.47	F62	7.75	8.29	
1.027	225	10	Circular	14.006	F62	7.75	8.29	F63	8.02	7.60	
1.028	225	21	Circular	28.852	F63	7.60	8.02	F64	6.20	8.55	
1.029	225	21	Circular	11.939	F64	6.20	8.55	F65	5.64	8.35	
1.030	225	225	Circular	52.738	F65	5.64	8.35	F66	5.70	5.33	
1.031	225	10	Circular	14.505	F66	5.63	5.97	F67	5.25	6.45	
1.032	225	10	Circular	23.233	F67	5.25	6.45	F68	5.09	5.29	
3.000	150	80	Circular	23.233	F68	15.00	18.24	F77	15.80	18.01	
3.001	150	150	Circular	11.970	F77	15.80	18.01	F78	15.72	17.89	
3.002	150	150	Circular	23.623	F78	15.72	17.89	F79	15.74	18.00	
4.000	150	80	Circular	20.240	F13	10.80	11.81	F181	14.76	19.59	
4.001	150	150	Circular	14.386	F14	17.72	19.59	F19	17.61	19.41	
4.002	150	131	Circular	31.714	F15	18.41	19.72	F18	18.12	22.22	
4.003	150	32	Circular	14.204	F16	17.72	19.12	F17	16.78	18.68	
4.004	150	10	Circular	10.320	F17	16.78	18.68	F18	16.33	16.46	
4.005	150	29	Circular	11.617	F18	16.04	18.33	F19	16.04	17.93	
4.006	150	29	Circular	14.514	F19	16.04	18.33	F20	15.55	17.40	
4.007	150	150	Circular	21.523	F20	15.55	17.40	F21	15.45	16.72	
4.008	150	150	Circular	10.788	F21	14.65	16.72	F22	14.58	16.78	
4.009	150	150	Circular	12.520	F22	14.58	16.78	F23	14.48	16.78	
4.010	150	150	Circular	16.987	F23	14.48	16.78	F24	13.82	13.86	
4.011	150	150	Circular	11.648	F24	13.82	16.82	F25	14.30	16.82	
4.012	150	32	Circular	12.822	F25	14.30	16.82	F26	14.14	13.78	
5.000	150	32	Circular	23.852	F27	15.51	16.78	F28	14.77	16.72	
5.001	150	29	Circular	38.800	F30	14.77	16.72	F29	13.78	15.53	
5.002	150	150	Circular	39.550	F31	13.78	15.53	F38	13.68	13.68	
5.003	150	150	Circular	20.974	F38	13.26	14.96	F31	12.30	14.42	
5.004	150	40	Circular	11.656	F31	12.30	14.42	F32	11.89	14.44	
5.005	150	150	Circular	34.769	F32	11.89	14.44	F39	11.89	13.52	
5.006	150	150	Circular	11.096	F36	11.23	14.97	F37	11.45	15.15	
5.007	150	150	Circular	18.376	F37	11.45	15.15	F40	11.45	15.15	
5.008	150	150	Circular	34.617	F38	11.45	15.15	F39	11.09	15.16	
6.001	150	37	Circular	19.957	F39	11.09	15.16	F34	13.33	15.38	
6.002	150	8	Circular	8.100	F34	13.33	15.38	F35	13.41	15.14	
6.002	150	150	Circular	12.790	F42	13.44	15.21	F36	13.02	14.87	
7.000	150	150	Circular	37.231	F43	13.10	13.42	F43	10.98	14.09	
7.001	150	128	Circular	12.811	F44	14.08	14.44	F44	13.33	14.33	
7.002	150	97	Circular	30.854	F44	10.89	14.43	F45	10.58	15.02	
8.000	150	150	Circular	24.888	F45	10.58	15.02	F46	11.21	15.02	
8.001	150	20	Circular	17.454	F51	9.37	11.21	F55	8.50	10.80	