Network Design Table for Storm 26-05-22 Planning

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S3.003	6.977	0.000	0.0	0.000	0.00	0.0	0.600	T8D	-10	Pipe/Conduit	
S3.004	2.640#	0.014	188.6	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S3.005	15.256	0.077	198.1	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S3.006	14.605	0.073	200.1	0.054	0.00	0.0	0.600	o	225	Pipe/Conduit	
S3.007	1.379	0.007	197.0	0.140	0.00	0.0	0.600	o	300	Pipe/Conduit	
S3.008	21.020	0.001	21020.0	0.000	0.00	0.0	0.600	T9	-12	Pipe/Conduit	
S3.009	1.464	0.007	209.2	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S3.010	1.506	0.007	215.2	0.047	0.00	0.0	0.600	o	300	Pipe/Conduit	
S3.011	32.006	0.001	32006.3	0.026	0.00	0.0	0.600	T11	-13	Pipe/Conduit	
S3.012	5.576#	0.029	192.3	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S3.013	11.222	0.061	184.0	0.000	0.00	0.0	0.600	o	375	Pipe/Conduit	
S1.018	10.805	0.057	189.6	0.072	0.00	0.0	0.600	o	500	Pipe/Conduit	
S1.019	8.001	0.040	200.0	0.076	0.00	0.0	0.600	o	525	Pipe/Conduit	
S1.020	23.998	0.001	23997.9	0.000	0.00	0.0	0.600	12U	-14	Pipe/Conduit	
S1.021	21.000	0.000	0.0	0.000	0.00	0.0	0.600	12D	-15	Pipe/Conduit	
S1.022	1.738#	0.010	173.8	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
S1.023	10.287	0.054	190.5	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
S4.000	6.209	0.080	77.6	0.049	5.00	0.0	0.600	o	150	Pipe/Conduit	
S4.001	8.028	0.105	76.5	0.028	0.00	0.0	0.600	o	150	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S3.003	49.59	6.20	27.479	0.138	0.0	0.0	0.0	0.45	1915.9	18.6
S3.004	49.41	6.25	27.479	0.138	0.0	0.0	0.0	0.95	37.7	18.6
S3.005	48.39	6.52	27.465	0.138	0.0	0.0	0.0	0.93	36.8	18.6
S3.006	47.46	6.79	27.388	0.192	0.0	0.0	0.0	0.92	36.6	24.7
S3.007	47.39	6.81	27.315	0.331	0.0	0.0	0.0	1.12	78.9	42.5
S3.008	44.15	7.83	27.308	0.331	0.0	0.0	0.0	0.34	2143.4	42.5
S3.009	44.09	7.85	27.307	0.331	0.0	0.0	0.0	1.08	76.6	42.5
S3.010	44.02	7.87	27.300	0.378	0.0	0.0	0.0	1.07	75.5	45.1
S3.011	39.24	9.81	27.293	0.405	0.0	0.0	0.0	0.28	1725.6	45.1
S3.012	39.07	9.89	27.292	0.405	0.0	0.0	0.0	1.13	79.9	45.1
S3.013	38.78	10.03	27.263	0.405	0.0	0.0	0.0	1.33	147.2	45.1
S1.018	33.85	12.86	27.202	1.549	0.0	0.0	0.0	1.57	309.1	142.1
S1.019	33.73	12.94	27.145	1.625	0.0	0.0	0.0	1.58	342.1	148.4
S1.020	31.59	14.52	27.105	1.625	0.0	0.0	0.0	0.25	867.2	148.4
S1.021	30.58	15.34	27.104	1.625	0.0	0.0	0.0	0.42	2725.2	148.4
S1.022	30.56	15.36	27.104	1.625	0.0	0.0	0.0	1.70	367.2	148.4
S1.023	30.44	15.47	27.094	1.625	0.0	0.0	0.0	1.62	350.6	148.4
S4.000	50.00	5.09	27.225	0.049	0.0	0.0	0.0	1.14	20.2	6.7
S4.001	50.00	5.21	27.145	0.078	0.0	0.0	0.0	1.15	20.3	10.5

Network Design Table for Storm 26-05-22 Planning

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S1.024	2.937	0.030	97.9	0.348	0.00	0.0	0.600	o	525	Pipe/Conduit	
S1.025	5.045	0.027	186.8	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S1.026	5.061	0.060	84.3	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S1.027	4.397	0.023	191.2	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.024	30.41	15.49	27.040	2.051	0.0	0.0	0.0	2.26	490.1	168.9
S1.025	30.33	15.56	27.010	2.051	0.0	0.0	0.0	1.15	81.1«	168.9
S1.026	30.27	15.61	26.943	2.051	0.0	0.0	0.0	1.71	121.1«	168.9
S1.027	30.20	15.68	26.883	2.051	0.0	0.0	0.0	1.13	80.1«	168.9

Manhole Schedules for Storm 26-05-22 Planning

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Back (m
S1	29.720	2.107	Open Manhole	1200	S1.000	27.613	225				
STANK 1 US	29.721	2.128	Junction		S1.001	27.593	-1	S1.000	27.593	225	
STANK 1 DS	29.721	2.128	Junction		S1.002	27.593	225	S1.001	27.593	-1	
S2	29.707	2.122	Open Manhole	1200	S1.003	27.585	225	S1.002	27.585	225	
S3	29.695	2.157	Open Manhole	1200	S1.004	27.538	225	S1.003	27.538	225	
S4	29.690	2.205	Open Manhole	1200	S1.005	27.485	300	S1.004	27.485	225	
STANK 2 US	29.687	2.226	Junction		S1.006	27.461	-2	S1.005	27.461	300	
STANK 2 DS	29.669	2.209	Junction		S1.007	27.460	300	S1.006	27.460	-2	
S5	29.625	2.192	Open Manhole	1200	S1.008	27.433	300	S1.007	27.433	300	
S6	29.072	1.485	Open Manhole	1200	S2.000	27.587	225				
STANK 3 US	29.132	1.614	Junction		S2.001	27.518	-3	S2.000	27.518	225	
STANK 3 DS	29.132	1.615	Junction		S2.002	27.517	300	S2.001	27.518	-3	
S7	29.123	1.615	Open Manhole	1200	S2.003	27.508	300	S2.002	27.508	300	
STANK 4 US	29.123	1.624	Junction		S2.004	27.499	-4	S2.003	27.499	300	
STANK 4 ND	29.117	1.619	Junction		S2.005	27.498	-5	S2.004	27.498	-4	
STANK 4 DS	29.091	1.593	Junction		S2.006	27.498	300	S2.005	27.498	-5	
S8	29.078	1.590	Open Manhole	1350	S2.007	27.488	300	S2.006	27.488	300	
S10	29.436	2.063	Open Manhole	1350	S1.009	27.373	375	S1.008	27.373	300	
								S2.007	27.373	300	
STANk 5 US	29.445	2.115	Junction		S1.010	27.330	-6	S1.009	27.330	375	
STANk 5 DS	29.485	2.156	Junction		S1.011	27.330	375	S1.010	27.329	-6	
S11	29.353	2.033	Open Manhole	1350	S1.012	27.320	375	S1.011	27.320	375	
STANK 6 US	29.354	2.050	Junction		S1.013	27.304	-7	S1.012	27.304	375	
STANK 6 DS	29.332	2.029	Junction		S1.014	27.303	375	S1.013	27.303	-7	
S12	29.318	2.060	Open Manhole	1350	S1.015	27.258	375	S1.014	27.258	375	
STANK 7 US	29.306	2.063	Junction		S1.016	27.243	-8	S1.015	27.243	375	
STANK 7 DS	29.308	2.066	Junction		S1.017	27.242	375	S1.016	27.242	-8	
S13	29.736	1.425	Open Manhole	1350	S3.000	28.311	150				
S14	29.699	2.195	Open Manhole	1200	S3.001	27.504	225	S3.000	27.579	150	
STANK 8 US	29.740	2.261	Junction		S3.002	27.479	-9	S3.001	27.479	225	
STANK 8 ND1	29.738	2.259	Junction		S3.003	27.479	-10	S3.002	27.479	-9	
STANK 8 DS	29.699	2.220	Junction		S3.004	27.479	225	S3.003	27.479	-10	
S14A	29.723	2.258	Open Manhole	1200	S3.005	27.465	225	S3.004	27.465	225	
S15	29.726	2.338	Open Manhole	1200	S3.006	27.388	225	S3.005	27.388	225	
S16	29.880	2.565	Open Manhole	1200	S3.007	27.315	300	S3.006	27.315	225	
STANK 9 US	29.875	2.567	Junction		S3.008	27.308	-12	S3.007	27.308	300	
STANK 9 DS	29.762	2.455	Junction		S3.009	27.307	300	S3.008	27.307	-12	
S17	29.761	2.461	Open Manhole	1200	S3.010	27.300	300	S3.009	27.300	300	

Manhole Schedules for Storm 26-05-22 Planning

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Ba
STANK 11 US	29.762	2.469	Junction		S3.011	27.293	-13	S3.010	27.293	300	
STANK 11 DS	29.576	2.284	Junction		S3.012	27.292	300	S3.011	27.292	-13	
S18	29.457	2.194	Open Manhole	1350	S3.013	27.263	375	S3.012	27.263	300	
S19	29.217	2.015	Open Manhole	1500	S1.018	27.202	500	S1.017	27.202	375	
								S3.013	27.202	375	
S20	29.132	1.987	Open Manhole	1500	S1.019	27.145	525	S1.018	27.145	500	
STANK 12 US	29.200	2.095	Junction		S1.020	27.105	-14	S1.019	27.105	525	
STANK 12 ND 1	29.070	1.966	Junction		S1.021	27.104	-15	S1.020	27.104	-14	
STANK 12 DS	29.075	1.971	Junction		S1.022	27.104	525	S1.021	27.104	-15	
S21	29.006	1.912	Open Manhole	1500	S1.023	27.094	525	S1.022	27.094	525	
SPPCP01	28.645	1.420	Open Manhole	1200	S4.000	27.225	150				
S22	28.842	1.697	Open Manhole	1200	S4.001	27.145	150	S4.000	27.145	150	
S23	28.927	1.887	Open Manhole	1500	S1.024	27.040	525	S1.023	27.040	525	
								S4.001	27.040	150	
S24	28.853	1.843	Open Manhole	1500	S1.025	27.010	300	S1.024	27.010	525	
SInt	28.906	1.963	Junction		S1.026	26.943	300	S1.025	26.983	300	
S25	28.944	2.061	Open Manhole	1500	S1.027	26.883	300	S1.026	26.883	300	
S	28.660	1.800	Open Manhole	0		OUTFALL		S1.027	26.860	300	

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S1	511438.913	180249.190	511438.913	180249.190	Required	
STANK 1 US	511442.697	180248.199			No Entry	
STANK 1 DS	511461.088	180243.426	511461.088	180243.426	Required	
S2	511463.044	180243.945	511463.044	180243.945	Required	
S3	511471.527	180241.685	511471.527	180241.685	Required	
S4	511481.605	180239.228	511481.605	180239.228	Required	

Manhole Schedules for Storm 26-05-22 Planning

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
STANK 2 US	511486.291	180238.133			No Entry	
STANK 2 DS	511497.903	180235.105			No Entry	
S5	511503.012	180233.757	511503.012	180233.757	Required	
S6	511598.190	180206.601	511598.190	180206.601	Required	
STANK 3 US	511584.988	180209.952			No Entry	
STANK 3 DS	511562.709	180215.845			No Entry	
S7	511561.120	180216.708	511561.120	180216.708	Required	
STANK 4 US	511559.436	180217.172			No Entry	
STANK 4 ND	511544.947	180220.953			No Entry	
STANK 4 DS	511528.472	180225.246			No Entry	
S8	511526.555	180225.748	511526.555	180225.748	Required	
S10	511507.186	180230.839	511507.186	180230.839	Required	
STANk 5 US	511504.424	180220.188			No Entry	
STANk 5 DS	511499.363	180200.830			No Entry	
S11	511505.544	180196.701	511505.544	180196.701	Required	

Manhole Schedules for Storm 26-05-22 Planning

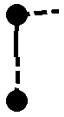
MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
STANK 6 US	511504.739	180193.664			No Entry	
STANK 6 DS	511499.197	180172.373			No Entry	
S12	511496.917	180163.625	511496.917	180163.625	Required	
STANK 7 US	511496.181	180160.783			No Entry	
STANK 7 DS	511492.403	180146.267			No Entry	
S13	511438.215	180240.603	511438.215	180240.603	Required	
S14	511430.870	180212.448	511430.870	180212.448	Required	
STANK 8 US	511429.642	180207.713			No Entry	
STANK 8 ND1	511426.114	180194.163			No Entry	
STANK 8 DS	511424.356	180187.411			No Entry	
S14A	511422.652	180185.088	511422.652	180185.088	Required	
S15	511418.809	180170.324	511418.809	180170.324	Required	
S16	511418.769	180155.719	511418.769	180155.719	Required	
STANK 9 US	511420.100	180155.356			No Entry	
STANK 9 DS	511440.562	180150.544			No Entry	

Manhole Schedules for Storm 26-05-22 Planning

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S17	511441.979	180150.175	511441.979	180150.175	Required	
STANK 11 US	511443.437	180149.797			No Entry	
STANK 11 DS	511474.445	180141.866			No Entry	
S18	511479.834	180139.712	511479.834	180139.712	Required	
S19	511490.979	180141.028	511490.979	180141.028	Required	
S20	511501.442	180138.330	511501.442	180138.330	Required	
STANK 12 US	511509.443	180138.263			No Entry	
STANK 12 ND 1	511533.431	180138.958			No Entry	
STANK 12 DS	511554.422	180139.563			No Entry	
S21	511556.259	180136.145	511556.259	180136.145	Required	
SPPCP01	511574.756	180128.174	511574.756	180128.174	Required	
S22	511574.487	180134.378	511574.487	180134.378	Required	
S23	511566.484	180135.017	511566.484	180135.017	Required	
S24	511566.353	180132.083	511566.353	180132.083	Required	
SInt	511561.311	180132.246			No Entry	

Manhole Schedules for Storm 26-05-22 Planning

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
S25	511556.269	180131.808	511556.269	180131.808	Required	
S	511556.157	180127.413			No Entry	



PIPELINE SCHEDULES for Storm 26-05-22 Planning

Upstream Manhole

- Indicates pipe length does not match coordinates

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.000	o	225	S1	29.720	27.613	1.882	Open Manhole	1200
S1.001	T1	-1	STANK 1 US	29.721	27.593	1.288	Junction	
S1.002	o	225	STANK 1 DS	29.721	27.593	1.903	Junction	
S1.003	o	225	S2	29.707	27.585	1.897	Open Manhole	1200
S1.004	o	225	S3	29.695	27.538	1.932	Open Manhole	1200
S1.005	o	300	S4	29.690	27.485	1.905	Open Manhole	1200
S1.006	T2	-2	STANK 2 US	29.687	27.461	1.176	Junction	
S1.007	o	300	STANK 2 DS	29.669	27.460	1.909	Junction	
S1.008	o	300	S5	29.625	27.433	1.892	Open Manhole	1200
S2.000	o	225	S6	29.072	27.587	1.260	Open Manhole	1200
S2.001	T3	-3	STANK 3 US	29.132	27.518	1.194	Junction	
S2.002	o	300	STANK 3 DS	29.132	27.517	1.315	Junction	
S2.003	o	300	S7	29.123	27.508	1.315	Open Manhole	1200
S2.004	T4	-4	STANK 4 US	29.123	27.499	1.204	Junction	
S2.005	T4D	-5	STANK 4 ND	29.117	27.498	1.199	Junction	
S2.006	o	300	STANK 4 DS	29.091	27.498	1.293	Junction	
S2.007	o	300	S8	29.078	27.488	1.290	Open Manhole	1350

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.000	3.912	195.6	STANK 1 US	29.721	27.593	1.903	Junction	
S1.001	19.000	0.0	STANK 1 DS	29.721	27.593	1.288	Junction	
S1.002	1.762#	220.3	S2	29.707	27.585	1.897	Open Manhole	1200
S1.003	8.778	186.8	S3	29.695	27.538	1.932	Open Manhole	1200
S1.004	10.374	195.7	S4	29.690	27.485	1.980	Open Manhole	1200
S1.005	4.812	200.5	STANK 2 US	29.687	27.461	1.926	Junction	
S1.006	12.000	12000.4	STANK 2 DS	29.669	27.460	1.159	Junction	
S1.007	5.283	195.7	S5	29.625	27.433	1.892	Open Manhole	1200
S1.008	5.094	84.9	S10	29.436	27.373	1.763	Open Manhole	1350
S2.000	13.620	197.4	STANK 3 US	29.132	27.518	1.389	Junction	
S2.001	23.045	0.0	STANK 3 DS	29.132	27.518	1.194	Junction	
S2.002	1.750	194.4	S7	29.123	27.508	1.315	Open Manhole	1200
S2.003	1.746	194.0	STANK 4 US	29.123	27.499	1.324	Junction	
S2.004	14.975	14974.8	STANK 4 ND	29.117	27.498	1.199	Junction	
S2.005	17.025	0.0	STANK 4 DS	29.091	27.498	1.173	Junction	
S2.006	1.981	198.1	S8	29.078	27.488	1.290	Open Manhole	1350
S2.007	20.026	174.1	S10	29.436	27.373	1.763	Open Manhole	1350

PIPELINE SCHEDULES for Storm 26-05-22 Planning

Upstream Manhole

PN	Hyd Sect	Diam (mm)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.009	o	375	S10	29.436	27.373	1.688	Open Manhole	1350
S1.010	T5	-6	STANk 5 US	29.445	27.330	1.275	Junction	
S1.011	o	375	STANk 5 DS	29.485	27.330	1.780	Junction	
S1.012	o	375	S11	29.353	27.320	1.658	Open Manhole	1350
S1.013	T6	-7	STANK 6 US	29.354	27.304	1.210	Junction	
S1.014	o	375	STANK 6 DS	29.332	27.303	1.654	Junction	
S1.015	o	375	S12	29.318	27.258	1.685	Open Manhole	1350
S1.016	T7	-8	STANK 7 US	29.306	27.243	1.013	Junction	
S1.017	o	375	STANK 7 DS	29.308	27.242	1.691	Junction	
S3.000	o	150	S13	29.736	28.311	1.275	Open Manhole	1350
S3.001	o	225	S14	29.699	27.504	1.970	Open Manhole	1200
S3.002	T8	-9	STANK 8 US	29.740	27.479	1.211	Junction	
S3.003	T8D	-10	STANK 8 ND1	29.738	27.479	1.209	Junction	
S3.004	o	225	STANK 8 DS	29.699	27.479	1.995	Junction	
S3.005	o	225	S14A	29.723	27.465	2.033	Open Manhole	1200
S3.006	o	225	S15	29.726	27.388	2.113	Open Manhole	1200
S3.007	o	300	S16	29.880	27.315	2.265	Open Manhole	1200
S3.008	T9	-12	STANK 9 US	29.875	27.308	1.307	Junction	
S3.009	o	300	STANK 9 DS	29.762	27.307	2.155	Junction	
S3.010	o	300	S17	29.761	27.300	2.161	Open Manhole	1200

Downstream Manhole

PN	Length (m)	Slope (1:X)	MH Name	C.Level (m)	I.Level (m)	D.Depth (m)	MH Connection	MH DIAM., L*W (mm)
S1.009	11.003	255.9	STANk 5 US	29.445	27.330	1.740	Junction	
S1.010	20.009	20009.3	STANk 5 DS	29.485	27.329	1.316	Junction	
S1.011	2.450#	245.0	S11	29.353	27.320	1.658	Open Manhole	1350
S1.012	3.142	196.4	STANK 6 US	29.354	27.304	1.675	Junction	
S1.013	22.000	22000.0	STANK 6 DS	29.332	27.303	1.189	Junction	
S1.014	9.041	200.9	S12	29.318	27.258	1.685	Open Manhole	1350
S1.015	2.936	195.7	STANK 7 US	29.306	27.243	1.688	Junction	
S1.016	15.000	15000.0	STANK 7 DS	29.308	27.242	1.016	Junction	
S1.017	5.429	135.7	S19	29.217	27.202	1.640	Open Manhole	1500
S3.000	29.097	39.8	S14	29.699	27.579	1.970	Open Manhole	1200
S3.001	4.892	195.7	STANK 8 US	29.740	27.479	2.036	Junction	
S3.002	14.002	0.0	STANK 8 ND1	29.738	27.479	1.209	Junction	
S3.003	6.977	0.0	STANK 8 DS	29.699	27.479	1.170	Junction	
S3.004	2.640#	188.6	S14A	29.723	27.465	2.033	Open Manhole	1200
S3.005	15.256	198.1	S15	29.726	27.388	2.113	Open Manhole	1200
S3.006	14.605	200.1	S16	29.880	27.315	2.340	Open Manhole	1200
S3.007	1.379	197.0	STANK 9 US	29.875	27.308	2.267	Junction	
S3.008	21.020	21020.0	STANK 9 DS	29.762	27.307	1.195	Junction	
S3.009	1.464	209.2	S17	29.761	27.300	2.161	Open Manhole	1200
S3.010	1.506	215.2	STANK 11 US	29.762	27.293	2.169	Junction	