

Design Settings

Rainfall Methodology	FEH-13	Minimum Velocity (m/s)	1.00
Return Period (years)	5	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	0.750	Preferred Cover Depth (m)	0.600
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
Plot 1 Diffuser	0.009		92.450		346877.481	264657.907	0.850
Plot 2 Diffuser	0.011		92.450		346900.145	264649.335	0.850
Plot 3 Diffuser	0.019		92.450		346921.871	264632.361	0.950
Plot 4 Diffuser	0.013		92.450		346941.207	264644.447	0.850
Plot 5 Diffuser	0.008		92.450		346939.378	264667.561	0.850
Plot 6 Diffuser	0.011		92.450		346944.589	264686.821	0.800
01RE	0.009	5.00	92.450		346876.015	264643.819	0.501
SW0101			92.450	320	346870.547	264645.807	0.559
SW0102			92.450	320	346864.337	264652.523	0.650
SW0103			92.450	460	346866.728	264659.102	0.720
SW0104			92.450	460	346876.620	264655.506	0.825
SW0105			92.450	460	346877.143	264656.965	0.840
02RE	0.005	5.00	92.450		346883.031	264645.262	0.656
SW0201	0.004	5.00	92.450	460	346885.572	264652.251	0.730
03RE	0.003	5.00	92.450		346888.168	264641.355	0.649
SW0301	0.004	5.00	92.450	460	346891.104	264649.430	0.735
SW0302			92.450	460	346899.120	264646.516	0.820
SW0303			92.450	460	346899.803	264648.395	0.840
04RE	0.011	5.00	92.450		346890.468	264636.655	0.470
SW0401			92.450	320	346895.867	264634.692	0.527
SW0402			92.450	320	346905.082	264633.733	0.620
SW0403			92.450	460	346908.491	264643.109	0.720
05RE	0.006	5.00	92.450		346910.122	264636.807	0.802
SW0501			92.450	460	346918.424	264636.807	0.885
SW0502			92.450	460	346920.936	264631.884	0.940
06RE	0.007	5.00	92.450		346922.734	264614.602	0.494
SW0601			92.450	460	346938.149	264622.465	0.667
SW0602			92.450	460	346933.294	264631.983	0.774
SW0603			92.450	460	346923.447	264626.960	0.885
07RE	0.006	5.00	92.450		346918.287	264624.328	0.827
SW0701	0.008	5.00	92.450	320	346953.821	264633.227	0.524
SW0702			92.450	320	346950.210	264628.328	0.585
SW0703			92.450	320	346941.798	264634.529	0.690
SW0704			92.450	460	346946.923	264641.481	0.776
SW0705			92.450	460	346941.803	264645.256	0.840

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
08RE	0.007	5.00	92.450		346960.530	264644.250	0.580
SW0801			92.450	320	346953.037	264649.774	0.673
09RE	0.006	5.00	92.450		346945.779	264657.063	0.715
10RE	0.008	5.00	92.450		346955.120	264674.189	0.483
SW1001			92.450	320	346949.499	264657.496	0.659
SW1002			92.450	460	346939.259	264660.944	0.767
SW1003			92.450	460	346940.952	264665.973	0.820
SW1004			92.450	460	346939.057	264666.613	0.840
11RE	0.005	5.00	92.450		346945.024	264678.066	0.692
SW1101	0.003	5.00	92.450	320	346952.466	264677.246	0.609
SW1102	0.002	5.00	92.450	460	346944.410	264679.959	0.694
SW1103			92.450	460	346946.823	264687.125	0.770
SW1104			92.450	460	346944.908	264687.769	0.790
12RE	0.005	5.00	92.450		346957.582	264689.584	0.618
SW1201			92.450	460	346948.662	264692.587	0.712
13RE	0.003	5.00	92.450		346947.262	264694.760	0.666
14RE	0.002	5.00	92.450		346937.919	264690.122	0.666

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
S1.000	01RE	SW0101	5.818	0.600	91.949	91.891	0.058	100.3	100	5.13	50.0
S1.001	SW0101	SW0102	9.147	0.600	91.891	91.800	0.091	100.5	100	5.33	50.0
S1.002	SW0102	SW0103	7.000	0.600	91.800	91.730	0.070	100.0	100	5.48	50.0
S1.003	SW0103	SW0104	10.525	0.600	91.730	91.625	0.105	100.2	100	5.71	50.0
S1.004	SW0104	SW0105	1.550	0.600	91.625	91.610	0.015	103.3	100	5.74	50.0
S1.005	SW0105	Plot 1 Diffuser	1.001	0.600	91.610	91.600	0.010	100.1	100	5.76	50.0
S2.000	02RE	SW0201	7.437	0.600	91.794	91.720	0.074	100.0	100	5.16	50.0
S2.001	SW0201	SW0104	9.525	0.600	91.720	91.625	0.095	100.0	100	5.37	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
S1.000	0.768	6.0	1.2	0.401	0.459	0.009	0.0	31	0.604
S1.001	0.767	6.0	1.2	0.459	0.550	0.009	0.0	31	0.603
S1.002	0.769	6.0	1.2	0.550	0.620	0.009	0.0	31	0.605
S1.003	0.768	6.0	1.2	0.620	0.725	0.009	0.0	31	0.604
S1.004	0.756	5.9	2.4	0.725	0.740	0.018	0.0	45	0.721
S1.005	0.768	6.0	2.4	0.740	0.750	0.018	0.0	44	0.727
S2.000	0.769	6.0	0.7	0.556	0.630	0.005	0.0	23	0.511
S2.001	0.769	6.0	1.2	0.630	0.725	0.009	0.0	31	0.605

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
S3.000	03RE	SW0301	8.592	0.600	91.801	91.715	0.086	99.9	100	5.19	50.0
S3.001	SW0301	SW0302	8.529	0.600	91.715	91.630	0.085	100.3	100	5.37	50.0
S3.002	SW0302	SW0303	1.999	0.600	91.630	91.610	0.020	100.0	100	5.80	50.0
S3.003	SW0303	Plot 2 Diffuser	1.000	0.600	91.610	91.600	0.010	100.0	100	5.82	50.0
S4.000	04RE	SW0401	5.745	0.600	91.980	91.923	0.057	100.0	100	5.12	50.0
S4.001	SW0401	SW0402	9.265	0.600	91.923	91.830	0.093	99.6	100	5.33	50.0
S4.002	SW0402	SW0403	9.977	0.600	91.830	91.730	0.100	99.8	100	5.54	50.0
S4.003	SW0403	SW0302	9.971	0.600	91.730	91.630	0.100	99.7	100	5.76	50.0
S5.000	05RE	SW0501	8.302	0.600	91.648	91.565	0.083	100.0	100	5.18	50.0
S5.001	SW0501	SW0502	5.527	0.600	91.565	91.510	0.055	100.5	100	5.30	50.0
S5.002	SW0502	Plot 3 Diffuser	1.050	0.600	91.510	91.500	0.010	105.0	100	5.99	50.0
S6.000	06RE	SW0601	17.305	0.600	91.956	91.783	0.173	100.0	100	5.38	50.0
S6.001	SW0601	SW0602	10.685	0.600	91.783	91.676	0.107	99.9	100	5.61	50.0
S6.002	SW0602	SW0603	11.054	0.600	91.676	91.565	0.111	99.6	100	5.85	50.0
S6.003	SW0603	SW0502	5.527	0.600	91.565	91.510	0.055	100.5	100	5.97	50.0
S7.000	07RE	SW0603	5.792	0.600	91.623	91.565	0.058	99.9	100	5.13	50.0
S8.000	SW0701	SW0702	6.086	0.600	91.926	91.865	0.061	99.8	100	5.13	50.0
S8.001	SW0702	SW0703	10.451	0.600	91.865	91.760	0.105	99.5	100	5.36	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
S3.000	0.769	6.0	0.4	0.549	0.635	0.003	0.0	18	0.433
S3.001	0.768	6.0	0.9	0.635	0.720	0.007	0.0	27	0.559
S3.002	0.769	6.0	2.4	0.720	0.740	0.018	0.0	44	0.727
S3.003	0.769	6.0	2.4	0.740	0.750	0.018	0.0	44	0.727
S4.000	0.769	6.0	1.5	0.370	0.427	0.011	0.0	34	0.637
S4.001	0.770	6.0	1.5	0.427	0.520	0.011	0.0	34	0.639
S4.002	0.770	6.0	1.5	0.520	0.620	0.011	0.0	34	0.638
S4.003	0.770	6.0	1.5	0.620	0.720	0.011	0.0	34	0.638
S5.000	0.769	6.0	0.8	0.702	0.785	0.006	0.0	25	0.531
S5.001	0.767	6.0	0.8	0.785	0.840	0.006	0.0	25	0.530
S5.002	0.750	5.9	2.6	0.840	0.850	0.019	0.0	46	0.726
S6.000	0.769	6.0	0.9	0.394	0.567	0.007	0.0	27	0.560
S6.001	0.769	6.0	0.9	0.567	0.674	0.007	0.0	27	0.561
S6.002	0.770	6.0	0.9	0.674	0.785	0.007	0.0	27	0.561
S6.003	0.767	6.0	1.8	0.785	0.840	0.013	0.0	37	0.666
S7.000	0.769	6.0	0.8	0.727	0.785	0.006	0.0	25	0.532
S8.000	0.769	6.0	1.1	0.424	0.485	0.008	0.0	29	0.579
S8.001	0.771	6.1	1.1	0.485	0.590	0.008	0.0	29	0.580

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
S8.002	SW0703	SW0704	8.637	0.600	91.760	91.674	0.086	100.4	100	5.55	50.0
S8.003	SW0704	SW0705	6.361	0.600	91.674	91.610	0.064	99.4	100	5.68	50.0
S8.004	SW0705	Plot 4 Diffuser	1.005	0.600	91.610	91.600	0.010	100.5	100	5.70	50.0
S9.000	08RE	SW0801	9.309	0.600	91.870	91.777	0.093	100.0	100	5.20	50.0
S9.001	SW0801	SW0704	10.303	0.600	91.777	91.674	0.103	100.0	100	5.43	50.0
S10.000	09RE	SW0705	12.458	0.600	91.735	91.610	0.125	100.0	100	5.27	50.0
S11.000	10RE	SW1001	17.614	0.600	91.967	91.791	0.176	100.0	100	5.38	50.0
S11.001	SW1001	SW1002	10.805	0.600	91.791	91.683	0.108	100.0	100	5.62	50.0
S11.002	SW1002	SW1003	5.306	0.600	91.683	91.630	0.053	100.0	100	5.73	50.0
S11.003	SW1003	SW1004	2.000	0.600	91.630	91.610	0.020	100.0	100	5.77	50.0
S11.004	SW1004	Plot 5 Diffuser	1.001	0.600	91.610	91.600	0.010	100.0	100	5.80	50.0
S12.000	11RE	SW1003	12.760	0.600	91.758	91.630	0.128	100.0	100	5.28	50.0
S13.000	SW1101	SW1102	8.501	0.600	91.841	91.756	0.085	100.0	100	5.18	50.0
S13.001	SW1102	SW1103	7.561	0.600	91.756	91.680	0.076	99.5	100	5.35	50.0
S13.002	SW1103	SW1104	2.020	0.600	91.680	91.660	0.020	101.0	100	5.39	50.0
S13.003	SW1104	Plot 6 Diffuser	1.000	0.600	91.660	91.650	0.010	100.0	100	5.41	50.0
S14.000	12RE	SW1201	9.412	0.600	91.832	91.738	0.094	100.1	100	5.20	50.0
S14.001	SW1201	SW1103	5.763	0.600	91.738	91.680	0.058	99.4	100	5.33	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
S8.002	0.767	6.0	1.1	0.590	0.676	0.008	0.0	29	0.577
S8.003	0.771	6.1	2.0	0.676	0.740	0.015	0.0	40	0.697
S8.004	0.767	6.0	2.8	0.740	0.750	0.021	0.0	48	0.754
S9.000	0.769	6.0	0.9	0.480	0.573	0.007	0.0	27	0.560
S9.001	0.769	6.0	0.9	0.573	0.676	0.007	0.0	27	0.560
S10.000	0.769	6.0	0.8	0.615	0.740	0.006	0.0	25	0.531
S11.000	0.769	6.0	1.1	0.383	0.559	0.008	0.0	29	0.579
S11.001	0.769	6.0	1.1	0.559	0.667	0.008	0.0	29	0.578
S11.002	0.769	6.0	1.1	0.667	0.720	0.008	0.0	29	0.579
S11.003	0.769	6.0	1.8	0.720	0.740	0.013	0.0	37	0.667
S11.004	0.769	6.0	1.8	0.740	0.750	0.013	0.0	37	0.667
S12.000	0.769	6.0	0.7	0.592	0.720	0.005	0.0	23	0.511
S13.000	0.769	6.0	0.4	0.509	0.594	0.003	0.0	18	0.432
S13.001	0.771	6.1	0.7	0.594	0.670	0.005	0.0	23	0.512
S13.002	0.765	6.0	1.4	0.670	0.690	0.010	0.0	32	0.618
S13.003	0.769	6.0	2.0	0.690	0.700	0.015	0.0	40	0.695
S14.000	0.768	6.0	0.7	0.518	0.612	0.005	0.0	23	0.511
S14.001	0.771	6.1	0.7	0.612	0.670	0.005	0.0	22	0.502

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
S15.000	13RE	SW1104	7.377	0.600	91.784	91.710	0.074	100.0	100	5.16	50.0
S16.000	14RE	SW1104	7.374	0.600	91.784	91.710	0.074	100.0	100	5.16	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
S15.000	0.769	6.0	0.4	0.566	0.640	0.003	0.0	18	0.432
S16.000	0.769	6.0	0.3	0.566	0.640	0.002	0.0	14	0.381

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
S1.000	5.818	100.3	100	Circular	92.450	91.949	0.401	92.450	91.891	0.459
S1.001	9.147	100.5	100	Circular	92.450	91.891	0.459	92.450	91.800	0.550
S1.002	7.000	100.0	100	Circular	92.450	91.800	0.550	92.450	91.730	0.620
S1.003	10.525	100.2	100	Circular	92.450	91.730	0.620	92.450	91.625	0.725
S1.004	1.550	103.3	100	Circular	92.450	91.625	0.725	92.450	91.610	0.740
S1.005	1.001	100.1	100	Circular	92.450	91.610	0.740	92.450	91.600	0.750
S2.000	7.437	100.0	100	Circular	92.450	91.794	0.556	92.450	91.720	0.630
S2.001	9.525	100.0	100	Circular	92.450	91.720	0.630	92.450	91.625	0.725
S3.000	8.592	99.9	100	Circular	92.450	91.801	0.549	92.450	91.715	0.635
S3.001	8.529	100.3	100	Circular	92.450	91.715	0.635	92.450	91.630	0.720
S3.002	1.999	100.0	100	Circular	92.450	91.630	0.720	92.450	91.610	0.740
S3.003	1.000	100.0	100	Circular	92.450	91.610	0.740	92.450	91.600	0.750
S4.000	5.745	100.0	100	Circular	92.450	91.980	0.370	92.450	91.923	0.427

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
S1.000	01RE		Junction		SW0101	320	Manhole	Adoptable
S1.001	SW0101	320	Manhole	Adoptable	SW0102	320	Manhole	Adoptable
S1.002	SW0102	320	Manhole	Adoptable	SW0103	460	Manhole	Adoptable
S1.003	SW0103	460	Manhole	Adoptable	SW0104	460	Manhole	Adoptable
S1.004	SW0104	460	Manhole	Adoptable	SW0105	460	Manhole	Adoptable
S1.005	SW0105	460	Manhole	Adoptable	Plot 1 Diffuser		Junction	
S2.000	02RE		Junction		SW0201	460	Manhole	Adoptable
S2.001	SW0201	460	Manhole	Adoptable	SW0104	460	Manhole	Adoptable
S3.000	03RE		Junction		SW0301	460	Manhole	Adoptable
S3.001	SW0301	460	Manhole	Adoptable	SW0302	460	Manhole	Adoptable
S3.002	SW0302	460	Manhole	Adoptable	SW0303	460	Manhole	Adoptable
S3.003	SW0303	460	Manhole	Adoptable	Plot 2 Diffuser		Junction	
S4.000	04RE		Junction		SW0401	320	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
S4.001	9.265	99.6	100	Circular	92.450	91.923	0.427	92.450	91.830	0.520
S4.002	9.977	99.8	100	Circular	92.450	91.830	0.520	92.450	91.730	0.620
S4.003	9.971	99.7	100	Circular	92.450	91.730	0.620	92.450	91.630	0.720
S5.000	8.302	100.0	100	Circular	92.450	91.648	0.702	92.450	91.565	0.785
S5.001	5.527	100.5	100	Circular	92.450	91.565	0.785	92.450	91.510	0.840
S5.002	1.050	105.0	100	Circular	92.450	91.510	0.840	92.450	91.500	0.850
S6.000	17.305	100.0	100	Circular	92.450	91.956	0.394	92.450	91.783	0.567
S6.001	10.685	99.9	100	Circular	92.450	91.783	0.567	92.450	91.676	0.674
S6.002	11.054	99.6	100	Circular	92.450	91.676	0.674	92.450	91.565	0.785
S6.003	5.527	100.5	100	Circular	92.450	91.565	0.785	92.450	91.510	0.840
S7.000	5.792	99.9	100	Circular	92.450	91.623	0.727	92.450	91.565	0.785
S8.000	6.086	99.8	100	Circular	92.450	91.926	0.424	92.450	91.865	0.485
S8.001	10.451	99.5	100	Circular	92.450	91.865	0.485	92.450	91.760	0.590
S8.002	8.637	100.4	100	Circular	92.450	91.760	0.590	92.450	91.674	0.676
S8.003	6.361	99.4	100	Circular	92.450	91.674	0.676	92.450	91.610	0.740
S8.004	1.005	100.5	100	Circular	92.450	91.610	0.740	92.450	91.600	0.750
S9.000	9.309	100.0	100	Circular	92.450	91.870	0.480	92.450	91.777	0.573
S9.001	10.303	100.0	100	Circular	92.450	91.777	0.573	92.450	91.674	0.676
S10.000	12.458	100.0	100	Circular	92.450	91.735	0.615	92.450	91.610	0.740

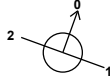
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
S4.001	SW0401	320	Manhole	Adoptable	SW0402	320	Manhole	Adoptable
S4.002	SW0402	320	Manhole	Adoptable	SW0403	460	Manhole	Adoptable
S4.003	SW0403	460	Manhole	Adoptable	SW0302	460	Manhole	Adoptable
S5.000	05RE		Junction		SW0501	460	Manhole	Adoptable
S5.001	SW0501	460	Manhole	Adoptable	SW0502	460	Manhole	Adoptable
S5.002	SW0502	460	Manhole	Adoptable	Plot 3 Diffuser		Junction	
S6.000	06RE		Junction		SW0601	460	Manhole	Adoptable
S6.001	SW0601	460	Manhole	Adoptable	SW0602	460	Manhole	Adoptable
S6.002	SW0602	460	Manhole	Adoptable	SW0603	460	Manhole	Adoptable
S6.003	SW0603	460	Manhole	Adoptable	SW0502	460	Manhole	Adoptable
S7.000	07RE		Junction		SW0603	460	Manhole	Adoptable
S8.000	SW0701	320	Manhole	Adoptable	SW0702	320	Manhole	Adoptable
S8.001	SW0702	320	Manhole	Adoptable	SW0703	320	Manhole	Adoptable
S8.002	SW0703	320	Manhole	Adoptable	SW0704	460	Manhole	Adoptable
S8.003	SW0704	460	Manhole	Adoptable	SW0705	460	Manhole	Adoptable
S8.004	SW0705	460	Manhole	Adoptable	Plot 4 Diffuser		Junction	
S9.000	08RE		Junction		SW0801	320	Manhole	Adoptable
S9.001	SW0801	320	Manhole	Adoptable	SW0704	460	Manhole	Adoptable
S10.000	09RE		Junction		SW0705	460	Manhole	Adoptable

Pipeline Schedule

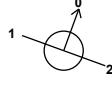
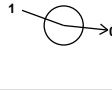
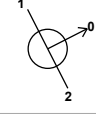
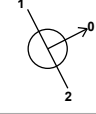
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
S11.000	17.614	100.0	100	Circular	92.450	91.967	0.383	92.450	91.791	0.559
S11.001	10.805	100.0	100	Circular	92.450	91.791	0.559	92.450	91.683	0.667
S11.002	5.306	100.0	100	Circular	92.450	91.683	0.667	92.450	91.630	0.720
S11.003	2.000	100.0	100	Circular	92.450	91.630	0.720	92.450	91.610	0.740
S11.004	1.001	100.0	100	Circular	92.450	91.610	0.740	92.450	91.600	0.750
S12.000	12.760	100.0	100	Circular	92.450	91.758	0.592	92.450	91.630	0.720
S13.000	8.501	100.0	100	Circular	92.450	91.841	0.509	92.450	91.756	0.594
S13.001	7.561	99.5	100	Circular	92.450	91.756	0.594	92.450	91.680	0.670
S13.002	2.020	101.0	100	Circular	92.450	91.680	0.670	92.450	91.660	0.690
S13.003	1.000	100.0	100	Circular	92.450	91.660	0.690	92.450	91.650	0.700
S14.000	9.412	100.1	100	Circular	92.450	91.832	0.518	92.450	91.738	0.612
S14.001	5.763	99.4	100	Circular	92.450	91.738	0.612	92.450	91.680	0.670
S15.000	7.377	100.0	100	Circular	92.450	91.784	0.566	92.450	91.710	0.640
S16.000	7.374	100.0	100	Circular	92.450	91.784	0.566	92.450	91.710	0.640

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
S11.000	10RE		Junction		SW1001	320	Manhole	Adoptable
S11.001	SW1001	320	Manhole	Adoptable	SW1002	460	Manhole	Adoptable
S11.002	SW1002	460	Manhole	Adoptable	SW1003	460	Manhole	Adoptable
S11.003	SW1003	460	Manhole	Adoptable	SW1004	460	Manhole	Adoptable
S11.004	SW1004	460	Manhole	Adoptable	Plot 5 Diffuser		Junction	
S12.000	11RE		Junction		SW1003	460	Manhole	Adoptable
S13.000	SW1101	320	Manhole	Adoptable	SW1102	460	Manhole	Adoptable
S13.001	SW1102	460	Manhole	Adoptable	SW1103	460	Manhole	Adoptable
S13.002	SW1103	460	Manhole	Adoptable	SW1104	460	Manhole	Adoptable
S13.003	SW1104	460	Manhole	Adoptable	Plot 6 Diffuser		Junction	
S14.000	12RE		Junction		SW1201	460	Manhole	Adoptable
S14.001	SW1201	460	Manhole	Adoptable	SW1103	460	Manhole	Adoptable
S15.000	13RE		Junction		SW1104	460	Manhole	Adoptable
S16.000	14RE		Junction		SW1104	460	Manhole	Adoptable

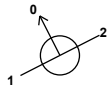
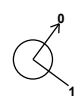
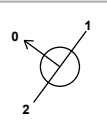
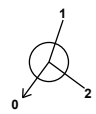
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
Plot 1 Diffuser	346877.481	264657.907	92.450	0.850		 1	S1.005	91.600	100	
Plot 2 Diffuser	346900.145	264649.335	92.450	0.850		 1	S3.003	91.600	100	
Plot 3 Diffuser	346921.871	264632.361	92.450	0.950		 1	S5.002	91.500	100	
Plot 4 Diffuser	346941.207	264644.447	92.450	0.850		 1	S8.004	91.600	100	
Plot 5 Diffuser	346939.378	264667.561	92.450	0.850		 1	S11.004	91.600	100	
Plot 6 Diffuser	346944.589	264686.821	92.450	0.800		 1	S13.003	91.650	100	
01RE	346876.015	264643.819	92.450	0.501		 0				
						0	S1.000	91.949	100	
SW0101	346870.547	264645.807	92.450	0.559	320	 0 1	1	S1.000	91.891	100
						0	S1.001	91.891	100	
SW0102	346864.337	264652.523	92.450	0.650	320	 0 1	1	S1.001	91.800	100
						0	S1.002	91.800	100	
SW0103	346866.728	264659.102	92.450	0.720	460	 1 0	1	S1.002	91.730	100
						0	S1.003	91.730	100	
SW0104	346876.620	264655.506	92.450	0.825	460	 0 2	1	S2.001	91.625	100
						2	S1.003	91.625	100	
						0	S1.004	91.625	100	
SW0105	346877.143	264656.965	92.450	0.840	460	 0 1	1	S1.004	91.610	100
						0	S1.005	91.610	100	
02RE	346883.031	264645.262	92.450	0.656		 0				
						0	S2.000	91.794	100	

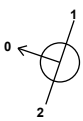
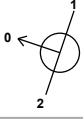
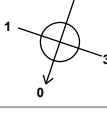
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW0201	346885.572	264652.251	92.450	0.730	460		1 S2.000	91.720	100
03RE	346888.168	264641.355	92.450	0.649			0 S2.001	91.720	100
SW0301	346891.104	264649.430	92.450	0.735	460		1 S3.000	91.715	100
SW0302	346899.120	264646.516	92.450	0.820	460		0 S3.001	91.715	100
SW0303	346899.803	264648.395	92.450	0.840	460		1 S3.001	91.630	100
04RE	346890.468	264636.655	92.450	0.470			2 S4.003	91.630	100
SW0401	346895.867	264634.692	92.450	0.527	320		0 S3.002	91.630	100
SW0402	346905.082	264633.733	92.450	0.620	320		1 S3.002	91.610	100
SW0403	346908.491	264643.109	92.450	0.720	460		0 S4.000	91.610	100
05RE	346910.122	264636.807	92.450	0.802			0 S4.001	91.980	100
SW0501	346918.424	264636.807	92.450	0.885	460		1 S4.001	91.923	100
SW0502	346920.936	264631.884	92.450	0.940	460		0 S4.002	91.923	100
06RE	346922.734	264614.602	92.450	0.494			1 S4.002	91.830	100
							0 S4.002	91.730	100
							0 S4.003	91.730	100
							1 S5.000	91.648	100
							0 S5.001	91.565	100
							1 S5.001	91.510	100
							2 S6.003	91.510	100
							0 S5.002	91.510	100
							0 S6.000	91.956	100

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW0601	346938.149	264622.465	92.450	0.667	460		1 S6.000	91.783	100
							0 S6.001	91.783	100
SW0602	346933.294	264631.983	92.450	0.774	460		1 S6.001	91.676	100
							0 S6.002	91.676	100
SW0603	346923.447	264626.960	92.450	0.885	460		1 S7.000	91.565	100
							2 S6.002	91.565	100
							0 S6.003	91.565	100
07RE	346918.287	264624.328	92.450	0.827					
							0 S7.000	91.623	100
SW0701	346953.821	264633.227	92.450	0.524	320				
							0 S8.000	91.926	100
SW0702	346950.210	264628.328	92.450	0.585	320		1 S8.000	91.865	100
							0 S8.001	91.865	100
SW0703	346941.798	264634.529	92.450	0.690	320		1 S8.001	91.760	100
							0 S8.002	91.760	100
SW0704	346946.923	264641.481	92.450	0.776	460		1 S9.001	91.674	100
							2 S8.002	91.674	100
							0 S8.003	91.674	100
SW0705	346941.803	264645.256	92.450	0.840	460		1 S10.000	91.610	100
							2 S8.003	91.610	100
							0 S8.004	91.610	100
08RE	346960.530	264644.250	92.450	0.580					
							0 S9.000	91.870	100
SW0801	346953.037	264649.774	92.450	0.673	320		1 S9.000	91.777	100
							0 S9.001	91.777	100
09RE	346945.779	264657.063	92.450	0.715					
							0 S10.000	91.735	100
10RE	346955.120	264674.189	92.450	0.483					
							0 S11.000	91.967	100

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW1001	346949.499	264657.496	92.450	0.659	320		1 S11.000	91.791	100
						0	S11.001	91.791	100
SW1002	346939.259	264660.944	92.450	0.767	460		1 S11.001	91.683	100
						0	S11.002	91.683	100
SW1003	346940.952	264665.973	92.450	0.820	460		1 S12.000	91.630	100
						2	S11.002	91.630	100
						0	S11.003	91.630	100
SW1004	346939.057	264666.613	92.450	0.840	460		1 S11.003	91.610	100
						0	S11.004	91.610	100
11RE	346945.024	264678.066	92.450	0.692			0 S12.000	91.758	100
SW1101	346952.466	264677.246	92.450	0.609	320		0 S13.000	91.841	100
						0	S13.000	91.841	100
SW1102	346944.410	264679.959	92.450	0.694	460		1 S13.000	91.756	100
						0	S13.001	91.756	100
SW1103	346946.823	264687.125	92.450	0.770	460		1 S14.001	91.680	100
						2	S13.001	91.680	100
						0	S13.002	91.680	100
SW1104	346944.908	264687.769	92.450	0.790	460		1 S16.000	91.710	100
						2	S15.000	91.710	100
						3	S13.002	91.660	100
						0	S13.003	91.660	100
12RE	346957.582	264689.584	92.450	0.618			0 S14.000	91.832	100
						0	S14.000	91.738	100
SW1201	346948.662	264692.587	92.450	0.712	460		1 S14.000	91.738	100
						0	S14.001	91.738	100
13RE	346947.262	264694.760	92.450	0.666			0 S15.000	91.784	100
						0	S15.000	91.784	100
14RE	346937.919	264690.122	92.450	0.666			0 S16.000	91.784	100
						0	S16.000	91.784	100

Simulation Settings

Rainfall Methodology	FEH-13	Analysis Speed	Normal	Additional Storage (m³/ha)	20.0
Summer CV	0.750	Skip Steady State	x	Check Discharge Rate(s)	x
Winter CV	0.840	Drain Down Time (mins)	240	Check Discharge Volume	x

Storm Durations

15 | 30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
5	0	0	0
30	0	0	0
100	40	0	0

Node Plot 1 Diffuser Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.02644	Invert Level (m)	91.600	Slope (1:X)	100.0
Side Inf Coefficient (m/hr)	0.02644	Time to half empty (mins)		Depth (m)	0.850
Safety Factor	2.0	Width (m)	7.800	Inf Depth (m)	0.850
Porosity	0.30	Length (m)	10.000		

Node Plot 2 Diffuser Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.02614	Invert Level (m)	91.600	Slope (1:X)	100.0
Side Inf Coefficient (m/hr)	0.02614	Time to half empty (mins)		Depth (m)	0.850
Safety Factor	2.0	Width (m)	9.000	Inf Depth (m)	0.850
Porosity	0.30	Length (m)	9.000		

Node Plot 3 Diffuser Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.02614	Invert Level (m)	91.500	Slope (1:X)	100.0
Side Inf Coefficient (m/hr)	0.02614	Time to half empty (mins)		Depth (m)	0.950
Safety Factor	2.0	Width (m)	10.000	Inf Depth (m)	0.950
Porosity	0.30	Length (m)	9.000		

Node Plot 4 Diffuser Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.02614	Invert Level (m)	91.600	Slope (1:X)	100.0
Side Inf Coefficient (m/hr)	0.02614	Time to half empty (mins)		Depth (m)	0.850
Safety Factor	2.0	Width (m)	6.000	Inf Depth (m)	0.850
Porosity	0.30	Length (m)	17.000		

Node Plot 5 Diffuser Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.02614	Invert Level (m)	91.600	Slope (1:X)	100.0
Side Inf Coefficient (m/hr)	0.02614	Time to half empty (mins)		Depth (m)	0.850
Safety Factor	2.0	Width (m)	5.000	Inf Depth (m)	0.850
Porosity	0.30	Length (m)	12.000		

Node Plot 6 Diffuser Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.02614	Invert Level (m)	91.650	Slope (1:X)	100.0
Side Inf Coefficient (m/hr)	0.02614	Time to half empty (mins)		Depth (m)	0.800
Safety Factor	2.0	Width (m)	7.500	Inf Depth (m)	0.800
Porosity	0.30	Length (m)	10.000		