

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	2	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	4.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	75.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
Raingarden	0.023	4.00	79.574	1200	479589.469	231599.158	0.554
J1			80.200		479593.204	231586.999	1.180
J2		4.00	80.750		479594.565	231577.663	1.000
RE1	0.015	4.00	80.750	150	479615.594	231559.883	0.733
RE2	0.015	4.00	80.750	150	479594.461	231561.575	0.733
S1	0.015	4.00	80.600	450	479615.068	231579.294	0.825
S2	0.015	4.00	80.600	450	479594.478	231579.506	1.087
J3		4.00	80.750		479615.049	231578.605	0.950
J4			80.600		479613.987	231579.275	0.836
J5		4.00	80.600		479595.662	231579.464	0.975

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)
3.001	S1	J4	1.081	0.600	79.775	79.764	0.011	98.3	100	4.04	54.0
2.000	J5	S2	1.185	0.600	79.625	79.513	0.112	10.6	150	4.01	54.0
1.000	J2	S2	1.845	0.600	79.750	79.513	0.237	7.8	150	4.01	54.0
1.001	S2	J1	20.000	0.600	79.513	79.314	0.199	100.5	150	4.34	54.0
3.000	J3	S1	1.000	0.600	79.800	79.790	0.010	100.0	100	4.02	54.0

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)
3.001	0.775	6.1	2.9	0.725	0.736	0.015	0.0	49	0.768
2.000	3.115	55.1	0.0	0.825	0.937	0.000	0.0	0	0.000
1.000	3.633	64.2	0.0	0.850	0.937	0.000	0.0	0	0.000
1.001	1.002	17.7	2.9	0.937	0.736	0.015	0.0	41	0.744
3.000	0.769	6.0	0.0	0.850	0.710	0.000	0.0	0	0.000

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)
3.001	1.081	98.3	100	Circular	80.600	79.775	0.725	80.600	79.764	0.736
2.000	1.185	10.6	150	Circular	80.600	79.625	0.825	80.600	79.513	0.937
1.000	1.845	7.8	150	Circular	80.750	79.750	0.850	80.600	79.513	0.937
1.001	20.000	100.5	150	Circular	80.600	79.513	0.937	80.200	79.314	0.736
3.000	1.000	100.0	100	Circular	80.750	79.800	0.850	80.600	79.790	0.710

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
3.001	S1	450	Manhole	Adoptable	J4		Junction	
2.000	J5		Junction		S2	450	Manhole	Adoptable
1.000	J2		Junction		S2	450	Manhole	Adoptable
1.001	S2	450	Manhole	Adoptable	J1		Junction	
3.000	J3		Junction		S1	450	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
Raingarden	479589.469	231599.158	79.574	0.554	1200					
J1	479593.204	231586.999	80.200	1.180			1	1.001	79.314	150
J2	479594.565	231577.663	80.750	1.000			0	1.000	79.750	150
RE1	479615.594	231559.883	80.750	0.733	150					
RE2	479594.461	231561.575	80.750	0.733	150					
S1	479615.068	231579.294	80.600	0.825	450		1	3.000	79.790	100
							0	3.001	79.775	100
S2	479594.478	231579.506	80.600	1.087	450		1	2.000	79.513	150
							2	1.000	79.513	150
							0	1.001	79.513	150
J3	479615.049	231578.605	80.750	0.950			0	3.000	79.800	100

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
J4	479613.987	231579.275	80.600	0.836		1 	3.001	79.764	100
J5	479595.662	231579.464	80.600	0.975		0 	2.000	79.625	150

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Detailed	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	1.000	Drain Down Time (mins)	240	Check Discharge Volume	x
Winter CV	1.000	Additional Storage (m³/ha)	0.0		

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 %)
10	0	0	0
30	0	0	0
30	45	0	0
100	0	0	0
100	45	0	0

Node Raingarden Rain Garden Storage Structure

Filter Conductivity (m/hr)	0.03600	Porosity	0.30
Filter Depth (m)	0.250	Invert Level (m)	79.020
Base Inf Coefficient (m/hr)	0.00360	Time to half empty (mins)	
Side Inf Coefficient (m/hr)	0.00360	Analyse flow through structure	x
Safety Factor	2.0		

Inlets

J1

Depth (m)	Area (m²)	Depth (m)	Area (m²)
0.000	195.0	0.574	289.6

Node J3 Bioretention Area Storage Structure

Underdrain Link Type	Circular	Filter Depth (m)	0.300
Underdrain Diameter (mm)	100	Base Inf Coefficient (m/hr)	0.00360
Underdrain Velocity	Manning	Side Inf Coefficient (m/hr)	0.00360
Underdrain ks (mm) / n	0.030	Safety Factor	1.0
Underdrain Length (m)	19.400	Porosity	0.30
Underdrain Slope (1:X)	999.0	Invert Level (m)	80.000
Underdrain Height above base (m)	0.100	Time to half empty (mins)	6
Underdrain DS Node	S1	Main Channel Length (m)	16.800
Filter Conductivity (m/hr)	0.03600	Main Channel Slope (1:X)	999.0

Node J3 Bioretention Area Storage Structure

Main Channel n 0.030

Inlet	Connects
Node	To
RE1	Underdrain

Depth	Area	Depth	Area
(m)	(m²)	(m)	(m²)
0.000	10.0	0.800	10.0

Node J2 Bioretention Area Storage Structure

Underdrain Link Type	Circular	Base Inf Coefficient (m/hr)	0.00360
Underdrain Diameter (mm)	100	Side Inf Coefficient (m/hr)	0.00360
Underdrain Velocity	Manning	Safety Factor	1.0
Underdrain ks (mm) / n	0.030	Porosity	0.30
Underdrain Length (m)	19.400	Invert Level (m)	80.000
Underdrain Slope (1:X)	999.0	Time to half empty (mins)	0
Underdrain Height above base (m)	0.100	Main Channel Length (m)	16.800
Underdrain DS Node	S2	Main Channel Slope (1:X)	999.0
Filter Conductivity (m/hr)	0.03600	Main Channel n	0.030
Filter Depth (m)	0.300		

Inlet	Connects
Node	To
RE2	Underdrain

Depth	Area	Depth	Area
(m)	(m²)	(m)	(m²)
0.000	10.0	0.800	10.0

Node J5 Bioretention Area Storage Structure

Underdrain Link Type	Circular	Base Inf Coefficient (m/hr)	0.00360
Underdrain Diameter (mm)	150	Side Inf Coefficient (m/hr)	0.00360
Underdrain Velocity	Manning	Safety Factor	1.0
Underdrain ks (mm) / n	0.030	Porosity	0.30
Underdrain Length (m)	19.200	Invert Level (m)	79.874
Underdrain Slope (1:X)	150.0	Time to half empty (mins)	0
Underdrain Height above base (m)	0.100	Main Channel Length (m)	19.200
Underdrain DS Node	S2	Main Channel Slope (1:X)	150.0
Filter Conductivity (m/hr)	0.03600	Main Channel n	0.030
Filter Depth (m)	0.350		

Inlet	Connects
Node	To
J4	Underdrain

Depth	Area	Depth	Area
(m)	(m²)	(m)	(m²)
0.000	11.6	0.800	11.6

Results for 10 year Critical Storm Duration. Lowest mass balance: 99.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Raingarden	960	79.160	0.139	1.7	28.8919	0.0000	OK
240 minute summer	Raingarden Filter Layer	452	79.020	0.250	0.9	14.5958	0.0000	OK
960 minute summer	J1	945	79.160	0.140	2.0	0.0000	0.0000	OK
15 minute summer	J2	11	79.779	0.029	5.1	0.6580	0.0000	OK
720 minute summer	J2 Filter Layer	450	79.708	0.008	0.0	0.0226	0.0000	OK
15 minute summer	RE1	11	80.095	0.078	5.9	0.0000	0.0000	OK
15 minute summer	RE2	11	80.095	0.078	5.9	0.0000	0.0000	OK
15 minute summer	S1	12	79.944	0.169	10.0	0.0269	0.0000	SURCHARGED
15 minute summer	S2	11	79.628	0.115	16.1	0.0183	0.0000	OK
15 minute summer	J3	12	79.955	0.155	5.1	0.6580	0.0000	SURCHARGED
30 minute summer	J3 Filter Layer	21	79.917	0.217	1.3	0.6062	0.0000	OK
15 minute summer	J4	1	79.764	0.000	0.0	0.0000	0.0000	OK
15 minute summer	J5	11	79.628	0.003	0.0	0.0003	0.0000	OK
15 minute summer	J5 Filter Layer	12	79.743	0.219	7.3	0.6894	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	Raingarden	Filtration		0.9			
240 minute summer	Raingarden Filter Layer	Infiltration		0.1			
15 minute summer	J2	1.000	S2	5.1	0.626	0.079	0.0155
15 minute summer	J2	Filtration		0.0			
15 minute summer	J2 Filter Layer	Underdrain		0.0	0.000	0.000	0.0000
720 minute summer	J2 Filter Layer	Infiltration		0.0			
15 minute summer	RE1	Bioretention Area	J3	5.1	0.147	0.033	
15 minute summer	RE2	Bioretention Area	J2	5.1	0.147	0.033	
15 minute summer	S1	3.001	J4	7.3	0.928	1.192	0.0085
15 minute summer	S2	1.001	J1	16.0	1.123	0.903	0.2847
15 minute summer	J3	3.000	S1	4.8	0.609	0.789	0.0078
15 minute summer	J3	Filtration		0.0			
15 minute summer	J3 Filter Layer	Underdrain		-1.3	-0.212	-1.831	0.1477
30 minute summer	J3 Filter Layer	Infiltration		0.0			
15 minute summer	J4	Bioretention Area	J5	0.0	0.000	0.000	
15 minute summer	J5	2.000	S2	0.0	-0.006	-0.001	0.0086
15 minute summer	J5	Filtration		0.0			
15 minute summer	J5 Filter Layer	Underdrain		6.7	0.444	1.245	0.2536
15 minute summer	J5 Filter Layer	Infiltration		0.0			

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.10%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	Raingarden	1380	79.220	0.199	1.3	42.3966	0.0000	OK
180 minute summer	Raingarden Filter Layer	356	79.020	0.250	1.1	14.5958	0.0000	OK
1440 minute winter	J1	1380	79.220	0.200	1.2	0.0000	0.0000	OK
15 minute summer	J2	11	79.783	0.033	6.7	0.7927	0.0000	OK
960 minute summer	J2 Filter Layer	600	79.709	0.009	0.0	0.0256	0.0000	OK
15 minute summer	RE1	11	80.111	0.094	7.7	0.0000	0.0000	OK
15 minute summer	RE2	11	80.111	0.094	7.7	0.0000	0.0000	OK
30 minute summer	S1	20	80.030	0.255	12.0	0.0406	0.0000	SURCHARGED
15 minute summer	S2	11	79.690	0.177	20.6	0.0282	0.0000	SURCHARGED
15 minute summer	J3	12	80.046	0.246	6.7	0.7927	0.0000	SURCHARGED
30 minute summer	J3 Filter Layer	21	80.000	0.300	1.7	0.8511	0.0000	OK
15 minute summer	J4	1	79.764	0.000	0.0	0.0000	0.0000	OK
15 minute summer	J5	11	79.690	0.065	0.7	0.0003	0.0000	OK
15 minute summer	J5 Filter Layer	12	79.792	0.268	9.0	0.8478	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	Raingarden	Filtration		0.9			
180 minute summer	Raingarden Filter Layer	Infiltration		0.1			
15 minute summer	J2	1.000	S2	6.8	0.631	0.105	0.0189
15 minute summer	J2	Filtration		0.0			
15 minute summer	J2 Filter Layer	Underdrain		0.0	0.000	0.000	0.0000
960 minute summer	J2 Filter Layer	Infiltration		0.0			
15 minute summer	RE1	Bioretention Area	J3	6.7	0.163	0.044	
15 minute summer	RE2	Bioretention Area	J2	6.7	0.163	0.044	
30 minute summer	S1	3.001	J4	8.7	1.107	1.422	0.0085
15 minute summer	S2	1.001	J1	19.6	1.140	1.107	0.3362
15 minute summer	J3	3.000	S1	6.1	0.776	1.005	0.0078
15 minute summer	J3	Filtration		0.0			
15 minute summer	J3 Filter Layer	Underdrain		-1.7	-0.273	-2.465	0.1518
30 minute summer	J3 Filter Layer	Infiltration		0.0			
15 minute summer	J4	Bioretention Area	J5	0.0	0.000	0.000	
15 minute summer	J5	2.000	S2	-0.7	0.080	-0.012	0.0148
15 minute summer	J5	Filtration		0.0			
15 minute summer	J5 Filter Layer	Underdrain		8.0	0.502	1.491	0.2808
15 minute summer	J5 Filter Layer	Infiltration		0.0			

Results for 30 year +45% CC Critical Storm Duration. Lowest mass balance: 99.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Raingarden	1470	79.331	0.311	2.5	68.9561	0.0000	OK
60 minute summer	Raingarden Filter Layer	267	79.020	0.250	1.3	14.5958	0.0000	OK
1440 minute summer	J1	1470	79.332	0.312	2.8	0.0000	0.0000	OK
15 minute summer	J2	11	79.828	0.078	9.9	1.0277	0.0000	OK
15 minute summer	J2 Filter Layer	13	79.755	0.055	0.0	0.1656	0.0000	OK
30 minute summer	RE1	21	80.214	0.197	9.9	0.0000	0.0000	OK
15 minute summer	RE2	10	80.139	0.122	11.1	0.0000	0.0000	OK
30 minute summer	S1	21	80.188	0.413	14.8	0.0656	0.0000	SURCHARGED
15 minute summer	S2	11	79.838	0.325	26.0	0.0516	0.0000	SURCHARGED
30 minute summer	J3	21	80.199	0.399	8.4	1.9144	0.0000	SURCHARGED
15 minute summer	J3 Filter Layer	11	80.000	0.300	2.3	0.8543	0.0000	OK
30 minute summer	J4	32	79.773	0.009	0.0	0.0000	0.0000	OK
15 minute summer	J5	11	79.838	0.213	1.7	0.0032	0.0000	SURCHARGED
15 minute summer	J5 Filter Layer	11	79.874	0.350	10.3	1.0684	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	Raingarden	Filtration		1.4			
60 minute summer	Raingarden Filter Layer	Infiltration		0.1			
15 minute summer	J2	1.000	S2	9.7	0.757	0.151	0.0247
15 minute summer	J2	Filtration		0.0			
15 minute summer	J2 Filter Layer	Underdrain		0.0	0.000	0.000	0.0021
15 minute summer	J2 Filter Layer	Infiltration		0.0			
30 minute summer	RE1	Bioretention Area	J3	8.4	0.167	0.054	
15 minute summer	RE2	Bioretention Area	J2	9.9	0.184	0.064	
30 minute summer	S1	3.001	J4	9.8	1.250	1.605	0.0085
15 minute summer	S2	1.001	J1	23.9	1.357	1.349	0.3449
30 minute summer	J3	3.000	S1	5.9	0.756	0.979	0.0078
30 minute summer	J3	Filtration		0.0			
30 minute summer	J3 Filter Layer	Underdrain		-2.0	-0.258	-2.852	0.1518
15 minute summer	J3 Filter Layer	Infiltration		0.0			
30 minute summer	J4	Bioretention Area	J5	0.0	0.000	0.000	
15 minute summer	J5	2.000	S2	-1.7	-0.107	-0.030	0.0209
15 minute summer	J5	Filtration		0.0			
15 minute summer	J5 Filter Layer	Underdrain		9.7	0.580	1.794	0.3380
15 minute summer	J5 Filter Layer	Infiltration		0.0			

Results for 100 year Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Raingarden	1470	79.299	0.278	2.2	61.0954	0.0000	OK
120 minute summer	Raingarden Filter Layer	280	79.020	0.250	1.3	14.5958	0.0000	OK
1440 minute summer	J1	1470	79.300	0.280	2.4	0.0000	0.0000	OK
15 minute summer	J2	11	79.787	0.037	8.6	0.9344	0.0000	OK
960 minute summer	J2 Filter Layer	600	79.710	0.010	0.0	0.0298	0.0000	OK
30 minute summer	RE1	20	80.153	0.136	8.6	0.0000	0.0000	OK
15 minute summer	RE2	10	80.128	0.111	9.7	0.0000	0.0000	OK
30 minute summer	S1	20	80.126	0.351	14.5	0.0559	0.0000	SURCHARGED
15 minute summer	S2	11	79.790	0.277	23.9	0.0440	0.0000	SURCHARGED
30 minute summer	J3	20	80.137	0.337	7.3	1.2978	0.0000	SURCHARGED
15 minute summer	J3 Filter Layer	11	80.000	0.300	2.3	0.8543	0.0000	OK
30 minute summer	J4	29	79.767	0.003	0.0	0.0000	0.0000	OK
15 minute summer	J5	11	79.790	0.165	1.3	0.0026	0.0000	SURCHARGED
15 minute summer	J5 Filter Layer	11	79.874	0.350	10.8	0.9842	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	Raingarden	Filtration		1.2			
120 minute summer	Raingarden Filter Layer	Infiltration		0.1			
15 minute summer	J2	1.000	S2	8.6	0.683	0.134	0.0194
15 minute summer	J2	Filtration		0.0			
15 minute summer	J2 Filter Layer	Underdrain		0.0	0.000	0.000	0.0000
960 minute summer	J2 Filter Layer	Infiltration		0.0			
30 minute summer	RE1	Bioretention Area	J3	7.3	0.167	0.047	
15 minute summer	RE2	Bioretention Area	J2	8.6	0.176	0.056	
30 minute summer	S1	3.001	J4	10.0	1.276	1.639	0.0085
15 minute summer	S2	1.001	J1	22.7	1.289	1.280	0.3430
30 minute summer	J3	3.000	S1	5.9	0.751	0.973	0.0078
30 minute summer	J3	Filtration		0.0			
30 minute summer	J3 Filter Layer	Underdrain		-1.9	-0.273	-2.720	0.1518
15 minute summer	J3 Filter Layer	Infiltration		0.0			
30 minute summer	J4	Bioretention Area	J5	0.0	0.000	0.000	
15 minute summer	J5	2.000	S2	-1.3	-0.110	-0.024	0.0209
15 minute summer	J5	Filtration		0.0			
15 minute summer	J5 Filter Layer	Underdrain		9.0	0.547	1.675	0.3380
15 minute summer	J5 Filter Layer	Infiltration		0.0			

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	Raingarden	1440	79.421	0.401	2.2	91.9507	0.0000	OK
30 minute summer	Raingarden Filter Layer	256	79.020	0.250	1.4	14.5958	0.0000	OK
1440 minute winter	J1	1440	79.422	0.402	2.4	0.0000	0.0000	OK
15 minute summer	J2	12	79.925	0.175	12.6	1.2068	0.0000	SURCHARGED
15 minute summer	J2 Filter Layer	13	79.841	0.141	1.1	0.4025	0.0000	OK
30 minute summer	RE1	21	80.363	0.346	12.5	0.0000	0.0000	OK
15 minute summer	RE2	10	80.161	0.145	14.0	0.0000	0.0000	OK
30 minute summer	S1	21	80.334	0.559	15.7	0.0888	0.0000	FLOOD RISK
15 minute summer	S2	12	79.913	0.400	31.6	0.0636	0.0000	SURCHARGED
30 minute summer	J3	21	80.344	0.544	9.0	3.3683	0.0000	SURCHARGED
15 minute summer	J3 Filter Layer	10	80.000	0.300	2.6	0.8543	0.0000	OK
30 minute summer	J4	37	79.791	0.027	0.0	0.0000	0.0000	OK
15 minute summer	J5	12	79.914	0.289	2.5	0.2082	0.0000	SURCHARGED
15 minute summer	J5 Filter Layer	10	79.874	0.350	11.0	1.1163	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	Raingarden	Filtration		1.2			
30 minute summer	Raingarden Filter Layer	Infiltration		0.1			
15 minute summer	J2	1.000	S2	12.2	0.789	0.190	0.0325
15 minute summer	J2	Filtration		0.0			
15 minute summer	J2 Filter Layer	Underdrain		-1.0	-0.175	-1.473	0.0970
15 minute summer	J2 Filter Layer	Infiltration		0.0			
30 minute summer	RE1	Bioretention Area	J3	9.0	0.171	0.059	
15 minute summer	RE2	Bioretention Area	J2	12.6	0.200	0.082	
30 minute summer	S1	3.001	J4	10.4	1.333	1.713	0.0085
15 minute summer	S2	1.001	J1	25.9	1.469	1.461	0.3470
30 minute summer	J3	3.000	S1	6.8	0.874	1.133	0.0078
30 minute summer	J3	Filtration		0.0			
30 minute summer	J3 Filter Layer	Underdrain		-2.0	-0.262	-2.893	0.1518
15 minute summer	J3 Filter Layer	Infiltration		0.0			
30 minute summer	J4	Bioretention Area	J5	0.0	0.001	0.000	
15 minute summer	J5	2.000	S2	4.2	0.238	0.076	0.0209
15 minute summer	J5	Filtration		0.0			
15 minute summer	J5 Filter Layer	Underdrain		10.7	0.629	1.985	0.3380
15 minute summer	J5 Filter Layer	Infiltration		0.0			