

SouthHill Redevelopment

Pre/Post Development Rates

Pre-Development						Post-Development					
	Peak Runoff CFS	Time of Peak Runoff (hr)	Runoff Depth (in)	Runoff Depth (ft)	Runoff Volume (ft ³)		Peak Runoff CFS	Time of Peak Runoff (hr)	Runoff Depth (in)	Runoff Depth (ft)	Runoff Volume (ft ³)
Pre-Development 1" Event	n/a	n/a	n/a	n/a	n/a	Pre-Development 1" Event	n/a	n/a	n/a	n/a	n/a
2 Year	1.5	12.12	0.19	0.016	7,806	2 Year	7,806	12.12	0.19	0.016	7,806
10 Year	4.94	12.09	0.442	0.037	18,051	10 Year	18,051	12.09	0.442	0.037	18,051
25 Year	3.36	12.09	0.541	0.045	21,954	25 Year	21,954	12.09	0.541	0.045	21,954
Post-Development 1" Event						Post-Development 10 Year					
Parking 1	0.43	11.93	0.381	0.032	512.38	Parking 1	1.12	11.93	1.317	0.109	1,745.31
Parking 2	0.39	11.93	0.369	0.031	448.17	Parking 2	1	11.93	1.267	0.106	1,532.44
Parking 3	0.47	11.93	0.387	0.032	462.59	Parking 3	1.21	11.93	1.352	0.113	1,922.65
Parking 4	0.49	11.93	0.391	0.033	598.42	Parking 4	1.27	11.93	1.367	0.114	2,067.27
Parking 5	0.45	11.93	0.385	0.032	545.6	Parking 5	1.18	11.93	1.339	0.112	1,909.60
Parking 6	0.29	11.93	0.341	0.028	303.86	Parking 6	0.75	11.93	1.148	0.096	1,041.79
Parking 7	0.19	11.93	0.319	0.027	185.3	Parking 7	0.48	11.93	1.014	0.085	583.35
Parking 8	0.21	11.93	0.324	0.027	207.6	Parking 8	0.54	11.93	1.04	0.087	668.94
Parking 9	0.43	11.93	0.381	0.032	521.63	Parking 9	1.12	11.93	1.317	0.109	1,776.81
Parking 10	0.47	11.93	0.387	0.032	550.78	Parking 10	1.21	11.93	1.352	0.133	2,290.39
Outlet	3.82		0.373	0.031	4,310	Outlet	9.89		1.287	0.107	14,876.75
Building 1	0.37	11.93	0.365	0.03	415	Building 1	0.96	11.93	1.247	0.104	1,439.26
Building 2	0.37	11.93	0.365	0.03	415	Building 2	0.96	11.93	1.247	0.104	1,439.26
Building 3	0.16	11.93	0.304	0.025	157.45	Building 3	0.42	11.93	0.987	0.082	516.43
Building 4	0.08	11.93	0.215	0.018	56.7	Building 4	0.21	11.93	0.857	0.071	223.65
Building 5	0.08	11.93	0.215	0.018	56.7	Building 5	0.21	11.93	0.857	0.071	223.65
Building 6	0.08	11.93	0.215	0.018	56.7	Building 6	0.21	11.93	0.857	0.071	223.65
Building 7	0.16	11.93	0.304	0.025	157.45	Building 7	0.42	11.93	0.987	0.082	516.43
Building 8	0.06	11.93	0.304	0.025	157.45	Building 8	0.42	11.93	0.987	0.082	516.43
Natural Veg	0	n/a	0	0	0	Natural Veg	4.9	12.02	0.634	0.053	13,390.34
Outlet	1.48		0.057	0.005	1,543.35	Outlet	8.1		0.717	0.059	18,211.53
Total					5,853.35	Total					33,088.28
2 Year						25 Year					
Parking 1	0.83	11.93	0.874	0.073	1,168.87	Parking 1	1.21	11.93	1.471	0.123	1,969.48
Parking 2	0.74	11.93	0.839	0.069	997.53	Parking 2	1.09	11.93	1.481	0.123	1,778.21
Parking 3	0.9	11.93	0.897	0.075	1,084.2	Parking 3	1.32	11.93	1.506	0.126	1,821.45
Parking 4	0.94	11.93	0.91	0.076	1,378.18	Parking 4	1.38	11.93	1.528	0.127	2,303.02
Parking 5	0.87	11.93	0.888	0.074	1,261.7	Parking 5	1.28	11.93	1.491	0.124	2,114.20
Parking 6	0.56	11.93	0.77	0.064	694.52	Parking 6	0.82	11.93	1.289	0.107	1,161.16
Parking 7	0.36	11.93	0.695	0.058	398.05	Parking 7	0.52	11.93	1.125	0.094	645.12
Parking 8	0.4	11.93	0.716	0.059	453.65	Parking 8	0.59	11.93	1.148	0.096	738.14
Parking 9	0.83	11.93	0.874	0.073	1,189.97	Parking 9	1.21	11.93	1.471	0.123	2,005.02
Parking 10	0.9	11.93	0.897	0.075	1,291.57	Parking 10	1.32	11.93	1.506	0.126	2,169.85
Outlet	7.31		0.857	0.071	9,871.48	Outlet	10.75		1.436	0.119	16,545.17
Building 1	0.71	11.93	0.827	0.069	954.89	Building 1	1.05	11.93	1.401	0.117	1,619.16
Building 2	0.71	11.93	0.827	0.069	954.89	Building 2	1.05	11.93	1.401	0.117	1,619.16
Building 3	0.31	11.93	0.673	0.056	352.69	Building 3	0.46	11.93	1.096	0.091	573.12
Building 4	0.16	11.93	0.586	0.049	154.35	Building 4	0.23	11.93	0.94	0.078	245.7
Building 5	0.16	11.93	0.586	0.049	154.35	Building 5	0.23	11.93	0.94	0.078	245.7
Building 6	0.16	11.93	0.586	0.049	154.35	Building 6	0.23	11.93	0.94	0.078	245.7
Building 7	0.31	11.93	0.673	0.056	352.69	Building 7	0.46	11.93	1.096	0.091	573.12
Building 8	0.31	11.93	0.673	0.056	352.69	Building 8	0.46	11.93	1.096	0.091	573.12
Natural Veg	2.21	12.03	0.315	0.026	6,568.85	Natural Veg	5.92	12.01	0.755	0.063	15,916.82
Outlet	4.45		0.39	0.033	8,337.38	Outlet	9.44	12.01	0.839	0.069	21,298.23
Total					18,208.86	Total					37,843.40

POST-DEVELOPMENT CONDITION FOR 1" EVENT * PRE-DEVELOPMENT RATES DID NOT REGISTER FOR A 1" EVENT

