

**Wingate Residences Haverhill
Haverhill, MA**

Pre-Development Conditions vs. Post-Development Conditions

Revised June 2016

Pre-Development Flows					Post-Development Flows				
Output Subcatchment/Reach	2 year storm 3.21 in Inflow (cfs)	10 year storm 5.09 in Inflow (cfs)	25 year storm 6.27 in Inflow (cfs)	100 year storm 8.08 in Inflow (cfs)	Output Subcatchment/Reach	2 year storm 3.21 in Inflow (cfs)	10 year storm 5.09 in Inflow (cfs)	25 year storm 6.27 in Inflow (cfs)	100 year storm 8.08 in Inflow (cfs)
Pond 1P <i>Runoff from IW C</i>	1.45	4.73	7.18	11.24	Pond 1P <i>Runoff from IW C</i>	1.55	3.72	5.32	10.55
Pond 2P <i>Runoff from IW A</i>	1.85	5.60	8.32	12.77	Pond 2P <i>Runoff from IW A</i>	1.67	4.33	6.29	12.77
Pond 3P <i>Runoff from IW D</i>	0.14	0.82	1.42	2.48	Pond 3P <i>Runoff from IW D</i>	0.11	0.56	0.97	2.48
Pond 4P <i>Runoff from BVW B</i>	3.28	11.91	18.87	30.68	Pond 4P <i>Runoff from BVW B</i>	3.24	10.23	14.85	30.03
POI 1 <i>Northern Site</i>	3.29	12.66	20.62	34.42	POI 1 <i>Northern Site</i>	3.25	10.46	15.33	34.12

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Haverhill, MA**

Pre-Development Conditions vs. Post-Development Conditions

Revised June 2016

Pre-Development Volumes					Post-Development Volumes				
Output Subcatchment/Reach	2 year storm 3.21 in Inflow (cf)	10 year storm 5.09 in Inflow (cf)	25 year storm 6.27 in Inflow (cf)	100 year storm 8.08 in Inflow (cf)	Output Subcatchment/Reach	2 year storm 3.21 in Inflow (cf)	10 year storm 5.09 in Inflow (cf)	25 year storm 6.27 in Inflow (cf)	100 year storm 8.08 in Inflow (cf)
Pond 1P <i>Runoff from IW C</i>	7,973	22,041	32,559	50,214	Pond 1P <i>Runoff from IW C</i>	8,497	18,474	25,796	50,028
Pond 2P <i>Runoff from IW A</i>	8,717	22,979	33,460	50,886	Pond 2P <i>Runoff from IW A</i>	8,018	18,112	25,645	50,886
Pond 3P <i>Runoff from IW D</i>	1,199	4,428	7,081	11,765	Pond 3P <i>Runoff from IW D</i>	1,061	3,260	5,087	11,765
Pond 4P <i>Runoff from BVW B</i>	20,449	61,043	92,554	146,603	Pond 4P <i>Runoff from BVW B</i>	20,081	46,427	66,093	141,683
POI 1 <i>Northern Site</i>	21,813	68,119	104,767	168,307	POI 1 <i>Northern Site</i>	20,497	47,979	69,634	164,420

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