

# SMMA

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61 Waverly St, Ashland MA  
Residences at Ashland  
SMMA Job No. 24142  
Last Updated: 3/6/2026  
Calc by: KIC  
Check by: WWP

## Peak Discharge Rate Summary

Design Point	2-year		10-year		100-year	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
DP-1 12" RCP in Waverly St	0.11	0.11	0.23	0.23	0.42	0.42
DP-2 Wetland	0.00	0.00	0.01	0.00	0.43	0.41
DP-3 Existing culvert under Nikkie Terrace	0.00	0.00	0.00	0.00	0.04	0.03
DP-4 Sheet flow onto Waverly Street	0.00	0.00	0.08	0.06	2.32	1.08
DP-5 Existing drainage system in Union Street	0.00	0.00	0.00	0.00	0.03	0.04 *

\*The 0.01 cfs increase to the peak discharge rate for the DP-5 100-year, 24-hour storm in post-development conditions will not increase the risk of off-site flooding. There is a 0.001 ac-ft decrease in the volume of runoff that discharges in the DP-5 100-year, 24-hour storm post-development condition. Additionally, the post-development peak discharge rate does not exceed the pre-development peak rate for the 100-year, 24-hour storm event evaluated for the entire project site (1.26 cfs site -wide reduction).