

SMMA

1000 Massachusetts Ave.

Cambridge, MA 02138

Phone: 617.547.5400

Fax: 617.507.7885

61 Waverly St, Ashland MA

Residences at Ashland

SMMA Job No. 24142

Date: 1/22/2026

Calc by: KIC

Check by: WWP

REQUIRED WATER QUALITY VOLUME

Site is located within an area of rapid infiltration rate (greater than 2.4 inches per hour), therefore 1.0" times the impervious area is required for water quality volume

$WQV(\text{cu ft}) = A(\text{sq ft}) * P(\text{in})$

$P=1.0"$

WATER QUALITY VOLUME

		Infiltration System SIS-1	Subsurface Infiltration System SIS-2
Contributing Impervious Area	A (sq ft)	101,676	65,726
Rainfall Depth *	P (in)	1	1
Water Quality Volume	WQV (cu ft)	8,473	5,477
Proposed Water Quality Volume	P WQV (cu ft)	18,751	10,881