

# Memorandum

To: Emily Wentworth  
Community Planning director  
Town of Hingham Planning

Date: March 2, 2026

From: Caroline Rees, P.E.

Re: 28 Arnold Road (formally known as 0 Arnold Road), Hingham, MA  
Modification Request

HANOVER OFFICE:  
427 Columbia Road  
Hanover, MA 02339  
781-826-9200

PLYMOUTH OFFICE:  
362 Court Street  
Plymouth, MA 02360  
508-746-6060

MARINE DIVISION:  
26 Union Street  
Plymouth, MA 02360  
508-746-6060

FALMOUTH OFFICE:  
448 N. Falmouth Highway Unit A  
North Falmouth, MA 02556  
508-563-2183

Attached please find a revised Site Plan dated February 27, 2026 and revised HydroCAD data to accompany the modification request to the Notice of Decision of Site Plan Review that was originally issued on June 28, 2024.

- The protected trees and the critical root zones shown on the June 17, 2024 plan have been added to the revised plan. The applicant states that all protected trees remain.
- The layout of the gravel driveway was modified and the crushed stone trench extends from Arnold Road to the dwelling parking area.

[merrillinc.com](http://merrillinc.com)

The hydroCAD analysis was revised to reflect current conditions for the 2-, 10- and 100-year design storms. Compared to the data in the 2/16/24 stormwater report, the 28 Arnold Road dwelling footprint decreased and the hardscape area of the retaining walls, walkways and patio increased. This results in an overall decrease in impervious area of 130 sf in the subcatchment directed to the wetlands. The data for this subcatchment area are summarized below:

## Peak runoff – to wetlands

Design Storm	Pre-construction (2/16/24 report)	Proposed (2/16/24/report)	Post Construction (revised)
2-year	0.0 cfs	0.0 cfs	0.0 cfs
10-year	0.11 cfs	0.11cfs	0.11 cfs
100-year	2.14 cfs	2.71 cfs	2.92 cfs

## Peak volume – to wetlands

Design Storm	Pre-construction (2/16/24 report)	Proposed (2/16/24/report)	Post Construction (revised)
2-year	0.0 af	0.0 af	0.0 af
10-year	0.54 af	0.51 af	0.51 af
100-year	0.287 af	0.287 af	0.286 af

Only the 100-year storm peak runoff is increased for both the proposed conditions in the 2/16/24 stormwater report and the revised design, compared to pre-construction conditions. This runoff is directed to a wetland area in both the 2/16/24 report and the post-construction conditions, and therefore the post-construction conditions are not expected to create an additional adverse impact.



We look forward to your review and comments. If you have any questions regarding this material, please let me know.

Thank you,

Merrill Engineers and Land Surveyors



Caroline Rees

Project Engineer

CC: A. Fleury  
File 22-083.2