

Ross Engineering
Civil/Structural Engineering & Surveying

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April 13, 2022
Durham Conservation Commission
8 Newmarket Rd
Durham, NH 03824

52 Oyster River Rd

RE: Edward & Christina Baker
52 Oyster River Rd
Durham, NH 03824
Tax Map 6, Lot 7-4

This project involves constructing a 32'x30' house with an asphalt driveway and infiltration trenches. As part of the work, grading and adding fill is proposed. The proposed grading will allow for a small backyard from the walkout basement, before following a 3:1 slope to meet existing grade.

The current grading of the site is a result of decades of erosion from the street culvert that has been recently removed. The drainage has been relocated to the side of the property along a drainage easement granted to the town, with the work being done in 2018. The erosion from the removed culvert has created a channel in the middle of the property.

The fill added to the site is primarily within the area of the erosion caused by the culvert. Adding fill to the site will restore it closer to the conditions that existed before the installation of the culvert, and allow for similar grading as seen on sites both to the north and to the south. Areas currently on site are deep cut and steep sloped. Adding a more gradual, vegetated fill will be a benefit to the wetland buffer and help reduce any further potential erosion.

Sincerely,

Alex Ross, PE, LLS