



Town of New London
 375 Main Street, New London, NH 03257
 Phone (603) 526-4821 | Website www.nl-nh.com

Application Fee
\$50

Stormwater & Erosion Control Application
 For land disturbance, construction, filling, grading or dredging activities in a
 Wetland, Steep Slope, Shore Land or Stream Overlay District.

View the Overlay Maps online at
https://www.axisgis.com/New_LondonNH/

Proposed activity to take place in (check all that apply):

Wetlands Conservation Overlay District – includes 100-ft, 150-ft, and 200-ft wetland buffers. See Article XIII, Zoning Ordinance.

Steep Slope Overlay District – includes all areas with slopes in excess of 15 percent with an elevation change of more than 20 feet. See Article XIV, Zoning Ordinance.

Shore Land Overlay District – includes 250-feet inland from Clark Pond, Goose Hole Pond, Little Lake Sunapee, Lake Sunapee, Messer Pond, Murray Pond, Otter Pond and Pleasant Lake. See Article XVI, Zoning Ordinance.

Streams Conservation Overlay District - includes 100-foot stream buffer. See Article XXII, Zoning Ordinance.

LOCATION Street Address: 466 Otterville Rd Parcel ID (map and lot #): 042013 - 0000
 Name of business or subdivision (if applicable): _____
 NH DES Permit #: _____ Total Land Disturbance: 24,500 square-feet

OWNER Name of Property Owner(s): Maxwell T. Collins
 Mailing Address: 466 Otterville Rd. New London, NH 03257
 Phone / Email: 603-731-4736 maxwell.t.collins@gmail.com

APPLICANT Name of Applicant (if different): _____
 Mailing Address: _____
 Phone / Email: _____

Description of proposed activity: please see attached description

Attach copy of erosion & sedimentation control plan describing the nature and purpose of the land-disturbing activity; the amount of grading involved; and a description of the soils, topography, vegetation, and drainage. For minor land disturbances such as utility line or stairway construction, less detail may be needed. **Email digital plans** to zoning@nl-nh.com.

To view the full requirements, please refer to the New London Zoning Ordinance:

Wetlands – See Article XIII
Shore Land – See Article XVI

Steep Slope – See Article XIV
Streams – See XXII

Tree Cutting/Vegetation Removal:

Will any tree cutting or vegetation removal take place in a Stream or Wetland Buffer?

 YES NO not applicable IF YES, a Cutting & Clearing Plan may be required.

THIS SECTION for Shore Land Overlay District only:

 Not applicable

1. **Does the proposed project involve construction of new roads, bridges, bridge approaches or access ways for firefighting equipment and boat launching?** YES NO
2. **Will any tree cutting, clearing or removal of natural vegetation take place within 50-feet of a lake or pond?** YES NO IF YES, a Cutting & Clearing Plan may be required.
3. **What percentage of the lot is covered with impervious surface?** Please only count the area within the 250-foot Shore Land Overlay district. (See New London Zoning Ordinance Article XVI, Section H.1-2 for more info).

Current _____ % **Proposed** (based on attached plans) _____ %

For impervious coverage between 20-30%, approval from the Planning Board may be required.

4. The design of Stormwater management systems shall ensure that the post-development total runoff volume does not exceed the pre-development total runoff volume consistent with the New London Land Subdivision Control Regulations.
5. New Structures and all modifications to existing Structures within the protected Shore Land Overlay District shall be designed and constructed to prevent the release of surface runoff across exposed mineral surfaces.

Security: The applicant may be required to post a bond or other security to assure conformance with approved plans.

Conservation Commission Review: The Conservation Commission may be asked to review and comment.

Before beginning site work: No work should proceed until all permits and plan reviews are approved by the Town. Any pre-construction erosion control measures, such as silt fencing, must be installed before construction and grading begins. **If working in the Shore Land Overlay, you must schedule an inspection of erosion control before beginning construction or grading. To schedule call (603) 526-1246 or email zoning@nl-nh.com.**

OWNER SIGNATURE: Owner agrees that all information provided in support of this application is true and complete and authorizes inspection by town officials for purposes of this permit.

Signature of Property Owner(s): Maxwell T. Collins Date: 3/31/2020

Printed Name: Maxwell T. Collins

Collins Stormwater and Erosion Control Plan:

Temporary erosion control during construction will be accomplished by erecting a silt fence on all downhill sides of the areas affected by the excavation and grading. Please see attached plan for layout of the silt fence. Heavy rainfall events will be managed by covering tailing piles, diverting bulk water away from disturbed areas, creating sediment traps, and maintaining the silt fence. Once construction is complete, the disturbed areas will be covered with loam, seeded and mulched as soon as possible.

The impervious area on the property will not be altered by the construction of the new foundation, basement and steps and there are currently no measures to control the runoff from the 1,500sqft of roof area. The new method of infiltrating the runoff from the roof will be to create infiltration trenches around the entire perimeter of the building by backfilling around the foundation with 24" of $\frac{3}{4}$ "-1- $\frac{1}{2}$ " crushed stone the full depth of the walls and installing drain tile around the footings. A 1" rainfall across 1,500 sqft of roof yields 127 CF of treatment volume which equates to 318 CF of $\frac{3}{4}$ "-1- $\frac{1}{2}$ " clean crushed stone. The system will incorporate 2,072 CF of crushed stone not including the outfall for the foundation footer drains. This system will provide redundancy and the capacity to infiltrate more than 6.5 times the runoff than required to meet New London's zoning and New Hampshire's state guidelines. Please see attached plan for detailed drawings of the drainage system.

The proposed gravel steps will be constructed based on the NHDES guidelines for infiltration steps using pressure treated landscaping timbers lined with non-woven geotextile fabric and filled with $\frac{3}{4}$ "- 1- $\frac{1}{2}$ " crushed stone.

Finally, the filling and grading of the yard will not alter the area of the existing lawn nor will it affect any trees or vegetation that are protected by the natural woodland buffer for Otter Brook which encompasses the entire house and much of the yard. Leveling and reducing the slope of several areas of the yard will slow water movement through the property and allow greater time for water to be absorbed into the soil. Also, in order to further protect the stream from runoff, an additional two feet of height will be added to the existing retaining wall that delineates the back yard from the steep embankment leading down to the stream and an infiltration trench and native shrubs will be installed on the uphill side of the wall. The current retaining wall has no provisions to allow for water infiltration. Please see the attached plan for the location of proposed retaining wall addition.