



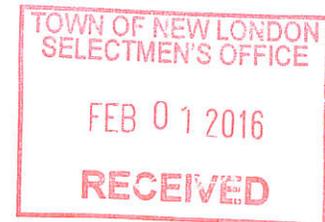
The State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

**WETLANDS AND NON-SITE SPECIFIC PERMIT 2015-03051**

Permittee: Cindy and Tim Carlson  
6 Ironwood Rd.  
Sandy Hook, CT 06482  
Project Location: 293 Lamson Lane, New London  
New London Tax Map/Lot No. 62 / 08  
Waterbody: Unnamed tributary to Pleasant Lake



APPROVAL DATE: 01/26/2016      EXPIRATION DATE: 01/26/2021

Based upon review of the above referenced application, in accordance with RSA 482-A and RSA 485-A:17, a Wetlands Permit and Non-Site Specific Permit was issued. This permit shall not be considered valid unless signed as specified below.

**PERMIT DESCRIPTION:** Dredge and fill approximately 100' linear feet of perennial stream (Tier 1, unnamed stream) in order to remove 100' linear feet of existing 24" HDPE culvert pipe, replace 70' lin. ft. of 24" HDPE culvert pipe with 48" HDPE culvert pipe, and reconstruct 100' linear feet of stream channel which will convey the stream to Pleasant Lake.

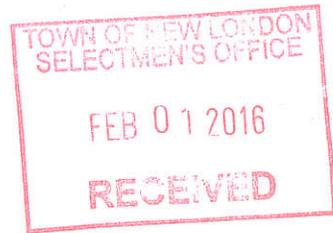
**THIS APPROVAL IS SUBJECT TO THE FOLLOWING PROJECT SPECIFIC CONDITIONS:**

1. All work shall be in accordance with plans by Horizons Engineering entitled Tim and Cindy Carlson, 293 Lamson Lane Permitting dated November 2015 as received by the Department on November 12, 2015, and with revised Stream Restoration Plan (Sheet 2 of 4) dated January 18, 2016 as received by the Department on January 18, 2016.
2. All activities associated with this project shall be conducted in compliance with applicable requirements of RSA 483-B and N.H. Code Admin. Rules Env-Wq 1400 during and after construction. The owner is responsible for obtaining any Shoreland Permit that may be required per RSA 483-B, for construction, excavation or fill that will occur within the Protected Shoreland.
3. There are no authorized impacts to jurisdictional wetlands within 20' ft. of the abutting property (Map 62, Lot 9).
4. All work shall be done in the dry conditions.
5. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to wetlands and surface waters.
6. Appropriate erosion/siltation controls shall be installed prior to construction, shall be maintained during construction, and shall remain until the area is stabilized. Silt fence(s) must be removed once the area is stabilized.
7. Appropriate turbidity controls shall be installed prior to construction, shall be maintained during construction such that no turbidity escapes the immediate dredge area, and shall remain until suspended particles have settled and the water at the work site has returned to normal clarity.
8. The contractor responsible for completion of the work shall utilize techniques described in the New Hampshire Stormwater Manual, Volume 3, Erosion and Sediment Controls During Construction (December 2008).
9. The existing culvert pipe will remain utilized until the proposed stream channel has been constructed and stabilized. Flow will only be redirected once the channel has been fully stabilized.
10. Dredged material shall be placed outside of the jurisdiction of the DES Wetlands Bureau.
11. The final surface of the stream channel bed shall be restored according to the plan Stone Specifications for Stream Restoration. Stone shall match the stone found in the stream channel upstream from the Lamson lane culvert to the greatest extent possible.
12. Only native plant species appropriate to the area shall be planted per the revised Stream Restoration Plan, Sheet 2 of 4 dated January 18, 2016.
13. The approved planting areas shall have at least 75% successful establishment of vegetation (approved plan species) after two (2) growing seasons, or shall be replanted and re-established in a manner satisfactory to the DES Wetlands Bureau.

DES Web site: [www.des.nh.gov](http://www.des.nh.gov)

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095

Telephone: (603) 271-3503 • Fax: (603) 271-6588 • TDD Access: Relay NH 1-800-735-2964

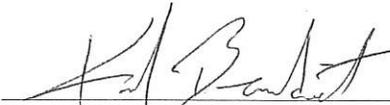


Wetlands Bureau File # 2015-03051  
Date: January 26, 2016  
Page 2 of 2

14. A post-construction report including photographs documenting the status of the completed construction shall be submitted to the DES Wetlands Bureau within thirty (30) days of the completion of construction.
15. Machinery shall be staged and refueled in upland areas.
16. Construction equipment shall be inspected daily for leaking fuel, oil and hydraulic fluid prior to entering surface waters or wetlands
17. Dredged material shall be placed outside of the jurisdiction of the DES Wetlands Bureau.
18. The contractor responsible for completion of the work shall utilize techniques described in the New Hampshire Stormwater Manual, Volume 3, Erosion and Sediment Controls During Construction (December 2008).
19. Within three days of final grading in an area that is in or adjacent to wetlands or surface waters, all exposed soil areas shall be stabilized by seeding and mulching during the growing season, or if not within the growing season, by mulching with tack or netting and pinning on slopes steeper than 3:1.
20. Where construction activities have been temporarily suspended within the growing season, all exposed soil areas shall be stabilized within 14 days by seeding and mulching.
21. Where construction activities have been temporarily suspended outside the growing season, all exposed areas shall be stabilized within 14 days by mulching and tack. Slopes steeper than 3:1 shall be stabilized by matting and pinning.
22. Any future work on this property that is within the jurisdiction of the DES Wetlands Bureau as specified in RSA 482-A will require a new application and approval by the Bureau.

**GENERAL CONDITIONS THAT APPLY TO ALL DES WETLANDS PERMITS:**

1. A copy of this permit shall be posted on site during construction in a prominent location visible to inspecting personnel;
2. This permit does not convey a property right, nor authorize any injury to property of others, nor invasion of rights of others;
3. The Wetlands Bureau shall be notified upon completion of work;
4. This permit does not relieve the applicant from the obligation to obtain other local, state or federal permits, and/or consult with other agencies as may be required (including US EPA, US Army Corps of Engineers, NH Department of Transportation, NH Division of Historical Resources (NH Department of Cultural Resources), NHDES-Alteration of Terrain, etc.);
5. Transfer of this permit to a new owner shall require notification to and approval by DES;
6. This project has been screened for potential impacts to **known** occurrences of rare species and exemplary natural communities in the immediate area. Since many areas have never been surveyed, or have received only cursory inventories, unidentified sensitive species or communities may be present. This permit does not absolve the permittee from due diligence in regard to state, local or federal laws regarding such communities or species.
7. Review enclosed sheet for status of the US Army Corps of Engineers' federal wetlands permit.

APPROVED:   
Karl Benedict  
DES Wetlands Bureau

**BY SIGNING BELOW I HEREBY CERTIFY THAT I HAVE FULLY READ THIS PERMIT AND AGREE TO ABIDE BY ALL PERMIT CONDITIONS.**

OWNER'S SIGNATURE (required)

CONTRACTOR'S SIGNATURE (required)



The State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

January 26, 2016

Cindy and Tim Carlson  
6 Ironwood Rd.  
Sandy Hook, CT 06482

RE: Cindy and Tim Carlson - File # 2015-03051 - New London

Tax Map/Lot # 62/08

Dear Mr. and Mrs. Carlson:

Attached please find Wetlands Permit # 2015-03051 to Dredge and fill approximately 100' linear feet of perennial stream (Tier 1, unnamed stream) in order to remove 100' linear feet of existing 24" HDPE culvert pipe, replace 70' lin. ft. of 24" HDPE culvert pipe with 48" HDPE culvert pipe, and reconstruct 100' linear feet of stream channel which will convey the stream to Pleasant Lake.

The decision to approve this application was based on the following findings:

1. This is a Minimum impact project per Administrative Rule Env-Wt 303.04(o); Projects deemed minimum impact by the department based on the degree of environmental impact.
2. A permit application had been previously submitted (2015-00693) for a stream restoration project at the subject property (Tax Map 62, Lot 8), although abutter permission for wetland impacts within 20' of the abutting property were not approved by the abutting property owner.
3. The applicant has redesigned the proposed stream restoration project to construct along the north portion of the property and avoid potential wetland impacts within 20' of Tax Map 62, Lot 9.
4. The applicant's agent has confirmed the Owner of Tax Map 62, Lot 9 (abutter) has been notified of the proposed project by certified mail.
5. No additional comments were received from the abutting property owner (Tax Map 62, Lot 9) relative to the redesigned project.
6. The project is designed to remove 100' lin. ft. of stream from the existing culvert pipe drainage system. The constructed stream channel will be stabilized and vegetated with outlet to Pleasant Lake. A vegetated buffer (20' o.c.) shall be maintained along the stream channel.
7. The need for the proposed impacts has been demonstrated by the applicant per Env-Wt 302.01. The existing culvert conveys wetland stream water under a garage to Pleasant Lake. The owner plans to demolish the existing garage. The proposed project will remove the culvert and restore a section of wetland stream channel.
8. The applicant has provided evidence which demonstrates that this proposal is the alternative with the least adverse impact to areas and environments under the department's jurisdiction per Env-Wt 302.03.
9. The applicant has demonstrated by plan and example that each factor listed in Env-Wt 302.04(a) Requirements for Application Evaluation, has been considered in the design of the project.
10. The applicant has provided written permission for wetland impacts within 20' ft. of the abutting property line from the owners of Tax Map 62, Lot 7.
11. There are no impacts to jurisdictional wetland areas authorized within 20' of the abutting property Tax Map 62, Lot 9.
12. Mitigation was not required as the project impacts were determined to be self-mitigating.
13. The Town of New London has confirmed permission to work within the Town right-of-way in order to remove the existing manhole, remove the existing culvert pipe, and construct a new headwall at a minimum of 4' from the edge of the roadway with an elevation close to the existing grade but no higher than the road.
14. The existing stream conveyance flows through a 24-inch culvert under Lamson Lane into a drain manhole. Then it continues in a 24-inch culvert under the existing garage, and is discharged into Pleasant Lake.



DES Web site: [www.des.nh.gov](http://www.des.nh.gov)

P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095

Telephone: (603) 271-3501 • Fax: (603) 271-6683 • TDD Access: Relay NH 1-800-735-2964

15. The project engineer indicates the capacity of the existing 24" culverts in the system is less than that of the upstream reference reach. Flows that exceed the culverts capacity follow an existing stone lined channel to another culvert located north of the site on Lamson Lane. There was no evidence of previous flooding conditions.
16. The proposed stream conveyance will include replacement of the existing concrete manhole and 45' ft. of existing 24" HDPE culvert pipe with 48" HDPE culvert pipe which outlets to a constructed stream channel discharging to Pleasant Lake.
17. The project engineer has provided hydraulic analysis that indicates the proposed 48" culvert will pass the 50-year storm event and the drain manhole will not overtop in the 100-year storm event.
18. The project engineer stated the proposed stream channel has a cross-sectional area of 12 square feet and has been designed to pass the 100-year storm event without overtopping.
19. The approved plan set is stamped by a PE.
20. No comments of concerns were submitted from the Conservation Commission.
21. The New Hampshire Natural Heritage Bureau (NHB) review indicated there are currently no recorded occurrences for sensitive species near the project area per letter dated December 9, 2014.

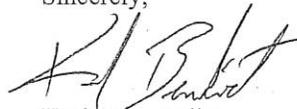
Any person aggrieved by this decision may appeal to the N.H. Wetlands Council ("Council") by filing an appeal that meets the requirements specified in RSA 482-A:10, RSA 21-O:14, and the rules adopted by the Council, Env-WtC 100-200. The appeal must be filed **directly with the Council within 30 days** of the date of this decision and must set forth fully **every ground** upon which it is claimed that the decision complained of is unlawful or unreasonable. Only those grounds set forth in the notice of appeal can be considered by the Council.

Information about the Council, including a link to the Council's rules, is available at <http://nhec.nh.gov/> (or more directly at <http://nhec.nh.gov/wetlands/index.htm>.) Copies of the rules also are available from the DES Public Information Center at (603) 271-2975.

Your permit must be signed, and a copy must be posted in a prominent location on site during construction.

If you have any questions, please contact our office at (603) 271-2147.

Sincerely,



Karl D. Benedict  
DES Wetlands Bureau

cc: William T. Davis, Horizons Engineering, Inc.  
New London Conservation Commission  
New London Municipal Clerk