

STATE OF NEW HAMPSHIRE
INTRA-DEPARTMENT COMMUNICATION

FROM Andrew O'Sullivan
Wetlands Program Manager

DATE June 8, 2020
AT (OFFICE) Bureau of Environment

SUBJECT Wetland Bureau Permit # 2019-03673
Stratford, 41788

TO Phil Beaulieu, District 1

Forwarded herewith, for your files and further use as appropriate, is a copy of the subject permit as approved by the Wetlands Bureau and the Water Division on 1/9/2020 and amended 6/5/2020.

Please Print, Sign, Scan, and return one signed copy of the permit to the Bureau of Environment.

Please note specific conditions (specifically #2, 3, 5, and 7) on the permit.

TERRAIN ALTERATION

Note that the non-site specific permit (RSA 485-A: 17 "Terrain Alteration") is part of this Wetlands Bureau Permit.

WATER QUALITY CERTIFICATION

- This permit covers the project's consideration for Water Quality protection and no further action is required by this office.
- This permit does not cover the Water Quality protection for this project. However, a Water Quality Permit will be obtained for this project.

CORPS PERMIT STATUS

- No Corps Jurisdiction
- SPGP (Minimum Impact) - No waiting period; no Corps approval required
- SPGP (Minor Impact)-Wait 30 days from NHWB issuance date; no written approval from Corps required
- SPGP (Major Impact)-Wait 30 days from NHWB issuance date; written approval from Corps required
- Emergency - No waiting period; No written approval from Corps required
- Amendment - No waiting period; No written approval from Corps required
- Corps Individual Permit Required

COASTAL ZONE MANAGEMENT (CZM) STATUS

- Outside of Coastal Zone-consistency finding not necessary from OSP
- Within Coastal Zone (Non-Federal Action)-consistency finding not necessary from OSP
- Within Coastal Zone (Federal Action)-if covered by SPGP, or no Corps' jurisdiction, consistency finding is automatic from OSP
- Within Coastal Zone (Federal Action)-if individual Corps permit, written consistency finding is necessary from OSP

EROSION CONTROL PLAN STATUS

- Erosion Control Plan Required; Submit Erosion Control Plan to DES Wetlands Bureau

If you have any questions, please call 271-3226.

AMO:sel

Encl.

Alex Thompson, District 1 Engineer (via electronic notification)

Heidi Stortz, Environmental Coordinator (via electronic notification)

Rebecca Martin, Environmental Manager (via electronic notification)

Matt Urban, Chief Operations Management Section (via electronic notification)

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The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

WETLANDS AND NON-SITE SPECIFIC PERMIT 2019-03673

NOTE CONDITIONS

PERMITTEE: NH DEPARTMENT OF TRANSPORTATION
 PO BOX 483
 CONCORD NH 03302

PROJECT LOCATION: 0.39 MILES SOUTH OF OLD MILL RD, STRATFORD
 TAX MAP # , LOT #

WATERBODY: UNNAMED STREAM

ORIGINAL APPROVAL DATE: JANUARY 09, 2020

AMENDED APPROVAL DATE: JUNE 05, 2020

EXPIRATION DATE: JANUARY 09, 2025

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 by the New Hampshire Department of Environmental Services (NHDES). This permit shall not be considered valid unless signed as specified below.

PERMIT DESCRIPTION: Dredge and fill a total of 4,083 square feet (SF), including 3,540 SF permanent and 543 SF temporary, within palustrine emergent wetland and the bed and banks of an unnamed stream (impacting 374 linear feet) to replace an existing 4.2 foot high x 4 foot wide x 20 foot long concrete box culvert with a 5 foot high x 7 foot wide x 24 foot long concrete box culvert embedded 24 inches with stream simulation and precast headwalls and wingwalls. In addition, construct a 3 foot wide wildlife passage shelf within the box culvert and restore the ditchline/channel adjacent to the stream.

THIS APPROVAL IS SUBJECT TO THE FOLLOWING PROJECT SPECIFIC CONDITIONS:

1. 1. AMENDED: All work shall be in accordance with plans by NH Department of Transportation (NHDOT) dated October 27, 2018 and revised May 18, 2020, as received by the NH Department of Environmental Services (NHDES) on June 2, 2020.
2. 2. This permit is not valid until the applicant/owner obtains construction easements on abutting parcels or written permission from abutting property owners if work is beyond the ROW. The permittee shall submit a copy of each recorded easement to the NHDES Wetlands Bureau prior to construction.
3. 3. There shall be no use of riprap or retention sills (baffles) within the culvert and in the streambed.
4. 4. Materials used to emulate the natural stream bed shall be consistent with the bed materials identified in the reference reach, and shall be well-mixed with cobbles, gravels and fines that are washed in during installation to prevent subsurface stream flow (hyporheic). Stream bed materials shall not include angular riprap.
5. 5. NHDOT shall submit to NHDES Wetlands Bureau photographic documentation of the streambed material within sixty (60) days post-construction.
6. 6. NHDOT shall monitor this project post-construction through NHDOT's mitigation database.
7. 7. Within sixty (60) days of completing the project, the applicant shall submit a post-construction monitoring report, documenting the conditions of enhanced stream. The submitted monitoring report shall identify the problem(s) limiting the success of the stream channel, measures which need to be taken to address the problem(s), and a time

- schedule on which the permittee will implement the corrective measures. NHDES Wetlands Bureau may require subsequent monitoring and corrective measures if NHDES deemed the area inadequately stabilized or restored.
8. 8. Any further alteration of areas on this property that are subject to RSA 482-A jurisdiction will require a new application and further permitting.
 9. 9. No person undertaking any activity shall cause or contribute to, or allow the activity to cause or contribute to, any violations of the surface water quality standards in RSA 485-A and Env-Wq 1700.
 10. 10. Work shall be done during low flow.
 11. 11. The use of welded plastic or 'biodegradable plastic' erosion control netting shall not be used on the project. Any slope stabilizing materials must be free from plastic or other non-biodegradable materials that create a mesh that can impact wildlife. Coco matting and other natural fibers are acceptable.
 12. 12. Appropriate siltation and erosion controls shall be in place prior to construction, shall be maintained during construction, and shall remain until the area is stabilized. Temporary controls shall be removed once the area has been stabilized.
 13. 13. 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 water at the work site has returned to normal clarity.
 14. 14. The contractor responsible for completion of the work shall use techniques described in the New Hampshire Stormwater Manual, Volume 3, Erosion and Sediment Controls During Construction (December 2008).
 15. 15. Extreme precautions shall be taken within riparian areas to prevent unnecessary removal of vegetation during construction. Areas cleared of vegetation must be revegetated with like native species within three days of the completion of the disturbance.
 16. 16. Prior to commencing work on a substructure located within surface waters, the permittee or permittee's contractors shall construct a cofferdam to isolate the substructure work area from the surface waters.
 17. 17. Discharge from dewatering of work areas shall be to sediment basins that are: a) located in uplands; b) lined with hay bales or other acceptable sediment trapping liners; c) set back as far as possible from wetlands and surface waters, with a preferred undisturbed vegetated buffer of at least 50 feet and a minimum undisturbed vegetative buffer of 20 feet.
 18. 18. Dredged materials, whether to be stockpiled or disposed of, shall be dewatered in sedimentation basins lined with siltation and erosion controls, and located outside of areas subject to RSA 482-A jurisdiction.
 19. 19. The channel at the culvert inlet and outlet/recreated stream channel bed and box culvert must maintain the natural and a consistent streambed elevation and not impede stream flow.
 20. 20. Proper headwalls shall be constructed within seven days of culvert installation.
 21. 21. Construction equipment shall be inspected daily for leaking fuel, oil, and hydraulic fluid prior to entering surface waters or wetlands or operating in an area where such fluids could reach groundwater, surface waters, or wetlands.
 22. 22. The permittee's contractor shall maintain appropriate oil/diesel fuel spill kits on site that are readily accessible at all times during construction, and shall train each operator in the use of the kits.
 23. 23. All refueling of equipment shall occur outside of surface waters or wetlands during construction. Machinery shall be staged and refueled in upland areas only.
 24. 24. Within three days of final grading or temporary suspension of work 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 tackifiers on slopes less than 3:1 or netting and pinning on slopes steeper than 3:1.

GENERAL CONDITIONS THAT APPLY TO ALL NHDES WETLANDS PERMITS:

1. Pursuant to RSA 482-A:12, a copy of the permit shall be posted in a secure manner in a prominent place at the site of the approved project.
2. In accordance with Env-Wt 313.01(a)(5), and as required by RSA 482-A:11, II, work shall not infringe on the property rights or unreasonably affect the value or enjoyment of property of abutting owners.
3. In accordance with Env-Wt 314.01, a standard permit shall be signed by the permittee and the principal contractor who will build or install the project prior to start of construction; and will not be valid until signed.

4. In accordance with Env-Wt 314.03(a), the permittee shall notify the department in writing at least one week prior to commencing any work under the permit.
5. In accordance with Env-Wt 314.08(a), the permittee shall file a completed notice of completion of work and certificate of compliance with the department within 10 working days of completing the work authorized by the permit.
6. In accordance with Env-Wt 314.06, transfer of this permit to a new owner shall require notification to and approval by NHDES.
7. In accordance with Env-Wt 307.02, in order to be in compliance with federal requirements, all work in areas under the jurisdiction of the U.S. Army Corps of Engineers (US ACE) shall comply with all conditions of the applicable state general permit (see attached notice).
8. In accordance with Env-Wt 307.06(a) through (c), no activity shall jeopardize the continued existence of a threatened or endangered species, a species proposed for listing as threatened or endangered, or designated or proposed critical habitat under the Federal Endangered Species Act, 16 U.S.C. §1531 et seq.; State Endangered Species Conservation Act, RSA 212-A; or New Hampshire Native Plant Protection Act, RSA 217-A. A copy of this permit shall be posted on site during construction in a prominent location visible to inspecting personnel.

APPROVED:



David Price
Land Resources Management, Water Division

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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)