

## **Vermont Department of Environmental Conservation**

Agency of Natural Resources

Watershed Management Division Springfield Regional Office 100 Mineral Street, Suite 303 Springfield, VT 05156 www.watershedmanagement.vt.gov

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## **AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES**

Pursuant to Section C.2.2.5 of the VT Stream Alteration General Permit (Reporting Activities Replacement Culverts)

Project Number: SA-05-008-2016 Andover Plumb Road Culvert

Applicant Name: Select Board, Town of Andover, Vermont Contact: Kevin Baker Mailing Address: Town of Andover, 953 Weston-Andover Rd, Chester, VT 05143 Project Location: Plumb Road over trib to Andover Branch of Williams RiverEmail: <a href="mailto:clerk@vermontel.net">clerk@vermontel.net</a>

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:

- 1. This project authorizes the replacement of dual 18" culverts with a 6' dia. corrugated metal pipe culvert.
- 2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit.
- 3. The proposed activity will meet the terms and conditions of the General Permit provided:
  - a) The project will be completed and approved as shown on the attached plans dated 2/1/16, prepared by Hammond Engineering as approved by the VT ANR as attached herein.
  - b) The project will not adversely affect the public safety by increasing flood hazards.
  - c) The project will not significantly damage fish life or wildlife.
  - d) The project will not significantly damage the rights of riparian owners.
  - e) The project will not obstruct the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction.
  - f) The project is conducted in a manner which minimizes or avoids any discharge of sediment or other pollutants to surface waters in violation of the VT Water Quality Standards.
  - g) The ANR River Management Engineer is notified by phone or email when construction begins and when the project is complete.
  - h) In-stream working dates for all GP activities are from June 1<sup>st</sup> through October 1<sup>st</sup>; any in-stream work outside these dates will require an Individual Stream Alteration Permit authorization by the River Management Engineer.
  - i) This authorization has been posted for three days public comment. This authorization constitutes final approval.

If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Signed this  $13^{th}$  day of May, 2016

This permit expires October 1, 2016.

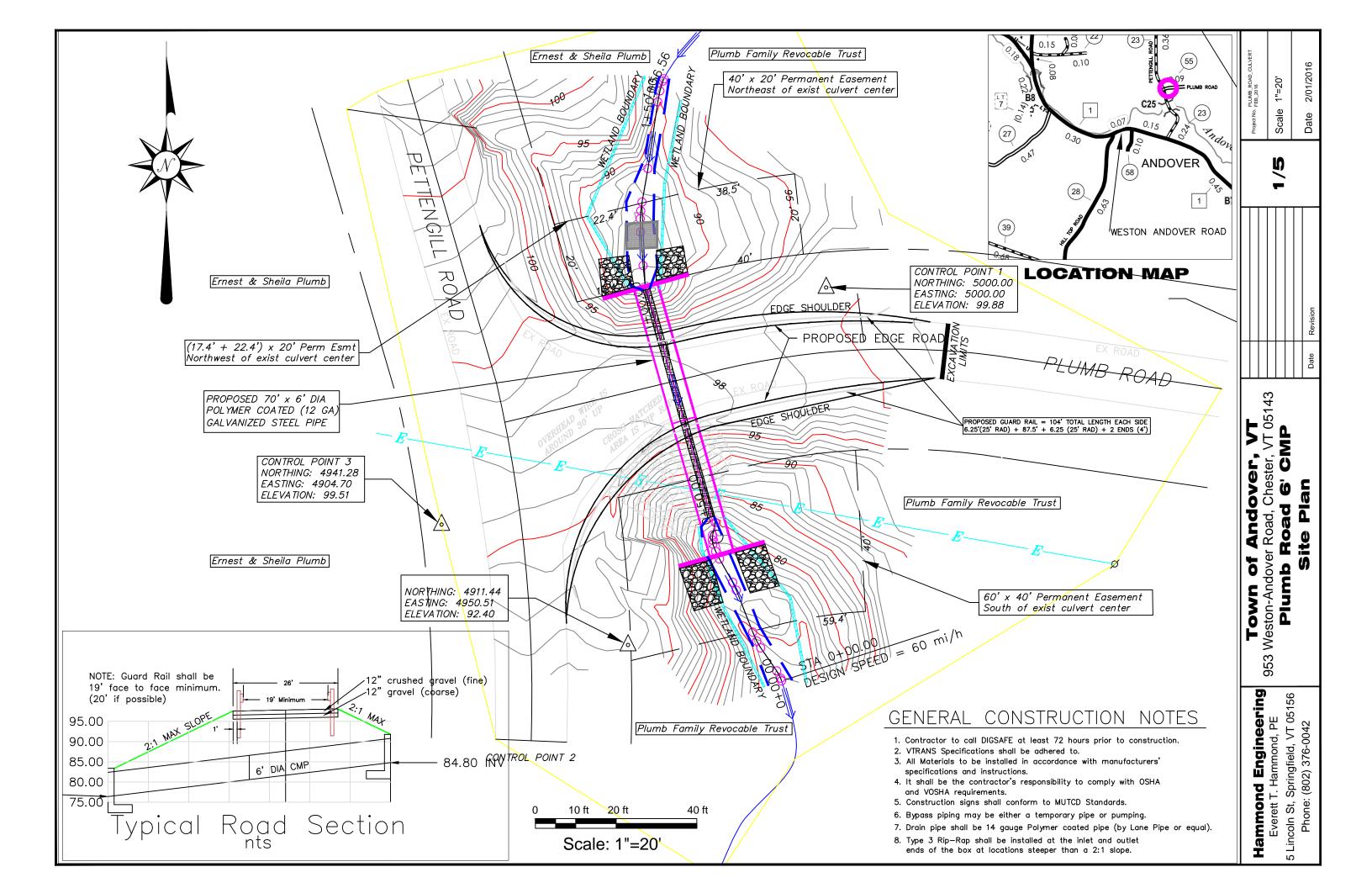
Alyssa B. Schuren, Commissioner

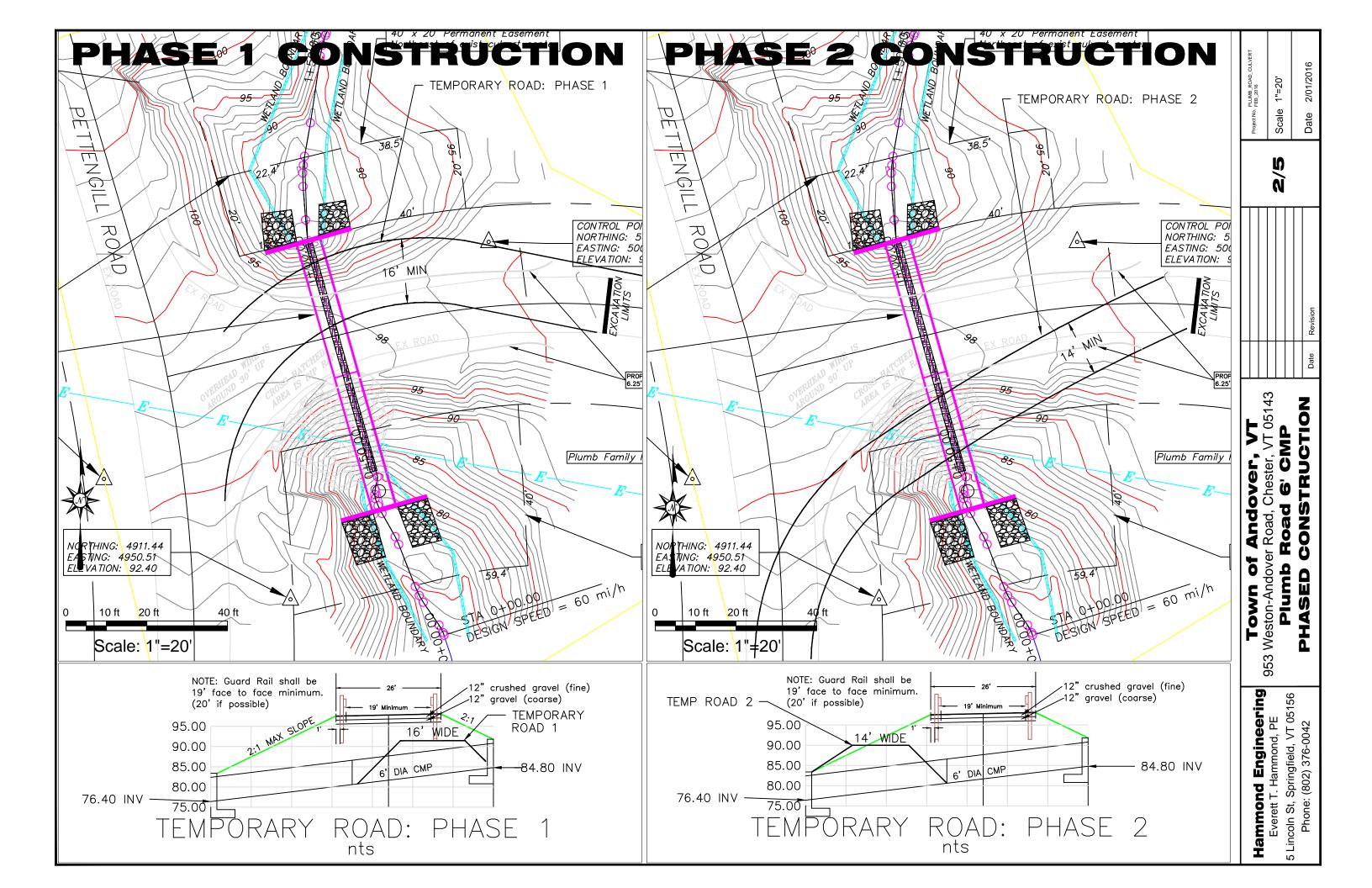
Department of Environmental Conservation

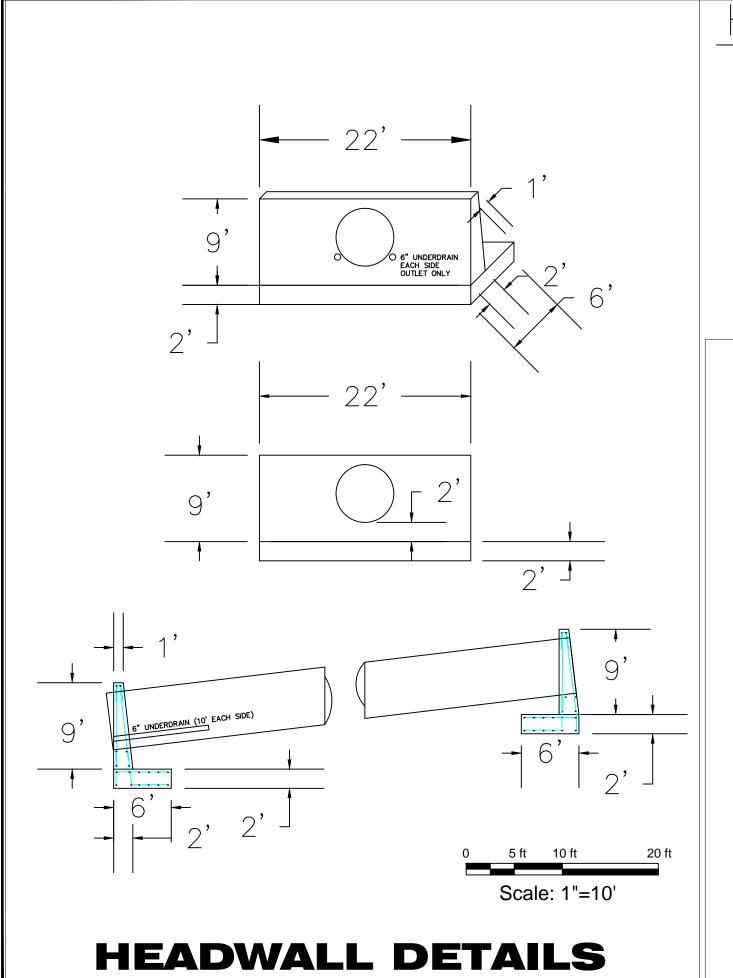
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by \_

Todd Menees, P.E., P.H., River Management Engineer







1. Assumed allowable load for spread footings:

- on soil: 4 KSF - on ledge: 10 KSF

2. Reinforcing steel grade: 60 ksi

3. Concrete Classification: Vermont Class A

4. Soil unit weight: 140 PSF

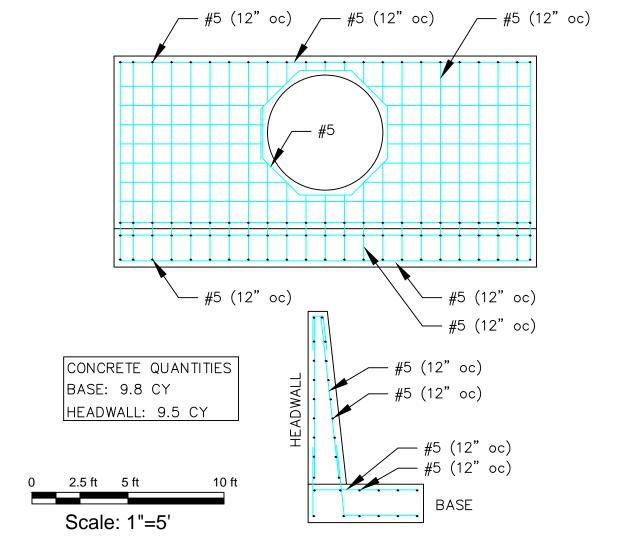
5. Assumed footing friction coefficient: 0.55

6. Soil friction angle: 33.67 degrees

7. All exposed edges to be chamfered 1"

8. All rebar shall have a clearance of 3" to face of concrete

9. Construction joint surface shall be rough



STEEL SCHEDULE

Scale 1"=20'

3/5

953 Weston-Andover Road, Chester, VT 05143

Plumb Road G' CMP

Hammond Engineering
Everett T. Hammond, PE
5 Lincoln St, Springfield, VT 05156
Phone: (802) 376-0042

