



VERMONT

Vermont Department of Environmental Conservation

Agency of Natural Resources

Watershed Management Division
St. Johnsbury Regional Office
1229 Portland Street, Suite 201
St. Johnsbury, VT 05819
www.watershedmanagement.vt.gov

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AUTHORIZATION TO CONDUCT NEXT FLOOD MEASURES

Pursuant to Section F of the Vermont Stream Alteration General Permit

Project Number: NFM - 3 - 508 - 2016

Applicant Name: TOWN OF CONCORD % DANE THORGALSEN Phone: 695-2910

Mailing Address: P.O. BOX 317 CONCORD VT 05824

Project Location: SHADOW LAKE RD - BRIDGE OVER THE MOOSE RIVER

Email: FAX: 802-284-2009 ; (treasurer@conclerk.com)

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

- 1. This project authorizes the removal of gravel from the bridge opening and repair of pier scour.
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit - Next Flood Measures.
3. The proposed activity will meet the terms and conditions of Section F of the General Permit provided:
a) The project will be completed and approved as shown on the plan dated 6-13-16, prepared by RUGGLES ENGINEERING and approved by the Vermont Agency of Natural Resources.
b) The project is proportional to the threat and conditioned to cease when the threat to life or to improved property has ended.
c) The project will not result in a threat to life, public health or safety.
d) The project will meet the standards detailed in subsection E.2.1 and E.2.2 of the General Permit.
e) The project will meet Stream Alteration Standards to the greatest extent possible.
f) A pre-construction meeting is held between the contractor, owner/applicant, and the ANR River Management Engineer.
g) The River Management Engineer is notified by phone or email when construction begins and when the project is complete.
h) A final construction inspection is required for any culvert and bridge related work.
i) Additional conditions:

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.

Alyssa B. Schure, ANR DEC Commissioner

[Signature]

Dated: 6-13-16

Patrick Ross, P.E., River Management Engineer

APPROVAL
WATERSHED MANAGEMENT DIVISION

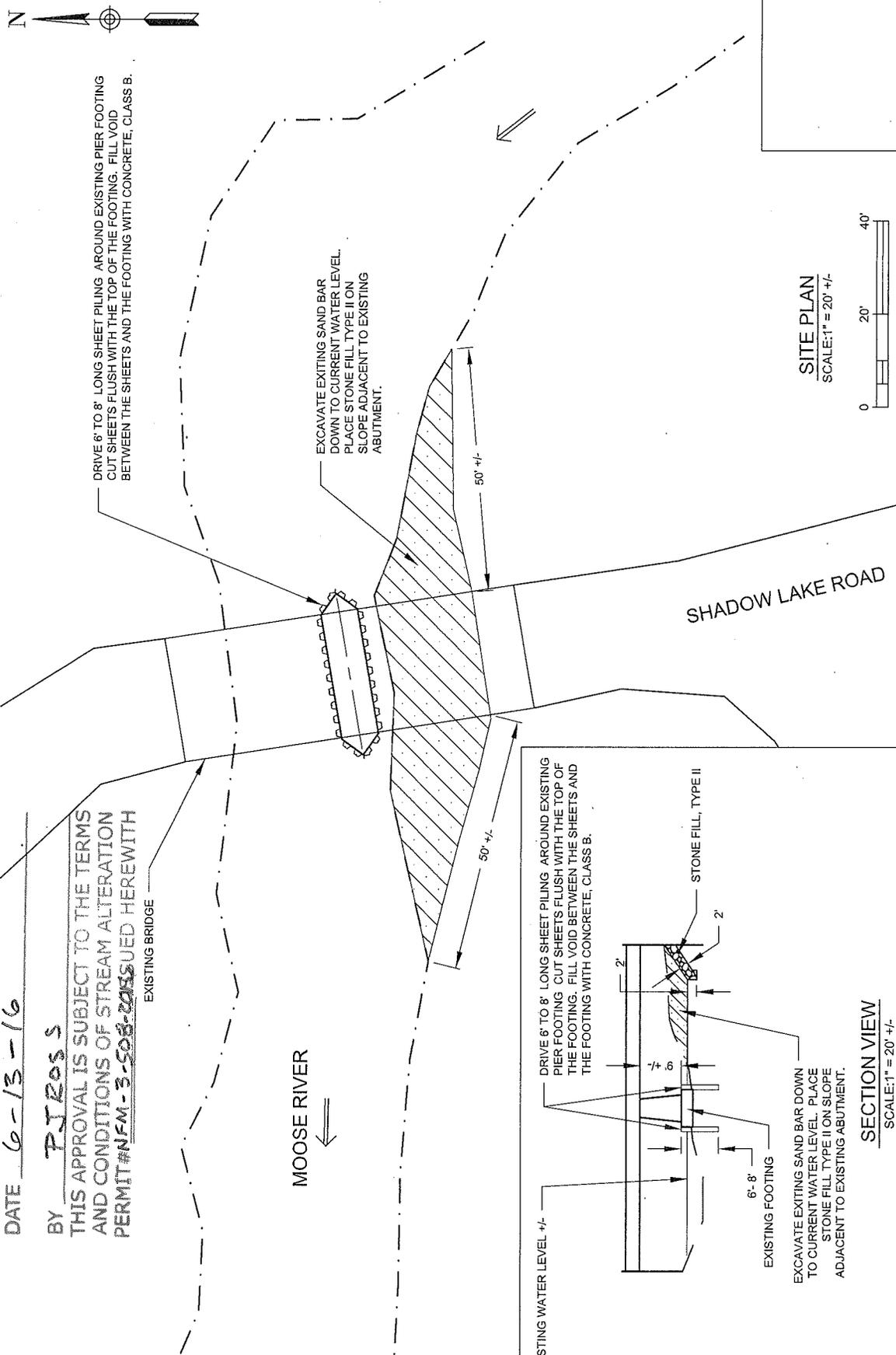
DATE 6-13-16

BY PIROS

THIS APPROVAL IS SUBJECT TO THE TERMS
AND CONDITIONS OF STREAM ALTERATION
PERMIT #NFM-3-508-2015 ISSUED HEREWITH

EXISTING BRIDGE

MOOSE RIVER

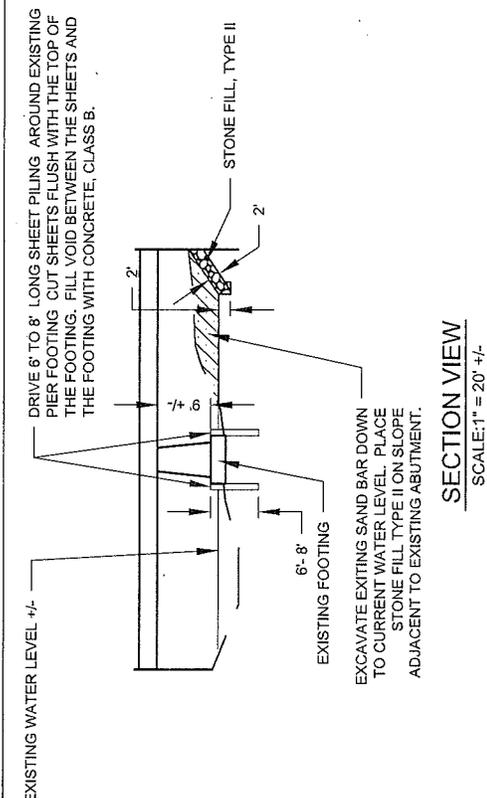
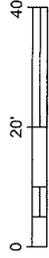


DRIVE 6" TO 8" LONG SHEET PILING AROUND EXISTING PIER FOOTING
CUT SHEETS FLUSH WITH THE TOP OF THE FOOTING. FILL VOID
BETWEEN THE SHEETS AND THE FOOTING WITH CONCRETE, CLASS B.

EXCAVATE EXISTING SAND BAR
DOWN TO CURRENT WATER LEVEL.
PLACE STONE FILL TYPE II ON
SLOPE ADJACENT TO EXISTING
ABUTMENT.

SHADOW LAKE ROAD

SITE PLAN
SCALE: 1" = 20' +/-



SECTION VIEW
SCALE: 1" = 20' +/-

TOWN OF CONCORD SHADOW LAKE ROAD OVER MOOSE RIVER		No. _____ Description _____ Date _____	Drawn: TRK Check: _____ Date: 06/13/16	1 Sheet of 1
ENGINEERING SERVICES, INC. 4800 RICHMOND DRIVE, ST. CHARLES, VT 05689 CIVIL Engineering - Site Permitting Water, Sewer and Stormwater System Design 602-749-0278 JOB No. 16032		PLAN AND SECTION FOR SCOUR MITIGATION		

C:\Users\jtm\Folder\Drawings\RED Projects\2016\16032 - Concord - Bridge Rehab\Concord Bridge Final.dwg-2016-06-13