

Brandon PLH ALPP (1)
ENVIRONMENTAL DOCUMENTATION

PROGRAMMATIC CATEGORICAL EXCLUSION (PACE)



**State of Vermont
Agency of Transportation
Environmental Section**

One National Life Drive
Montpelier, VT 05633-5001
www.aot.state.vt.us

[phone] 802-828-3963
[fax] 802-828-2334
[tdd] 800-253-0191

Matthew Hake, Division Administrator
Federal Highway Administration
P.O. Box 568, Montpelier, Vermont 05601

December 21, 2016

Attn: Kenneth R. Sikora, Environmental Program Manager
Re: **Brandon PLH ALPP(1); Bridge No. 22 Replacement on Churchill Road**

Dear Mr. Hake:

A Programmatic Categorical Exclusion (PACE) for the above-mentioned project, per 23 CFR 771.117(d)(3), was issued on December 19, 2008. There have been changes in the scope of work or the design of this project since the issuance of the original PACE. The changes in construction will result in additional stream impacts due to river reconfiguration, additional temporary easements for construction access, and incidental items.

Project Brandon PLH ALPP(1) is located on Town Highway 22, Churchill Road, in the Town of Brandon, Vermont. Work to be performed consists of the removal of the temporary bridge owned by the Vermont Association of Snow Travelers, replacement of Bridge No. 22 with pre-stressed concrete voided slab superstructure and cast-in-place concrete abutments, with related approach and channel work, and incidental items. The total length of the project is approximately 165 feet.

The Vermont Agency of Transportation (VTrans) has re-evaluated the potential environmental consequences of the project in accordance with the National Environmental Policy Act (NEPA). VTrans has determined that this project meets all of the criteria specified in the Programmatic Agreement entitled "Processing of Projects Eligible for Categorical Exclusion," executed 06/25/99. The project qualifies for Categorical Exclusion pursuant to 23 CFR 771.117(d)() "Environmental Impact and Related Procedures - Categorical Exclusions" as the project consists of bridge replacement.

This project will not involve substantial planning, resources, or expenditures; nor is it likely to induce significant alterations in land use, planned growth, development patterns, traffic volumes, or traffic patterns. The project will have no significant effect upon natural and cultural resources. No significant environmental impact is expected to result from construction or maintenance of this facility.

Please contact Julie Ann Held, Environmental Specialist, SW Region @ 802-828-3963 if you require additional information.

PROGRAMMATIC CATEGORICAL EXCLUSION CRITERIA

VTrans has determined that this project will **NOT**:

- A. X Require a temporary detour outside existing right-of-way, or a temporary wetland or stream crossing which will require non-routine mitigation, or a ramp closure, unless the following conditions are met :
- (1) provisions are made for access by local traffic and the facility is posted accordingly,
 - (2) businesses dependent upon through traffic will not be unduly affected,
 - (3) the temporary detour or ramp closure will not interfere with local special events,
 - (4) the temporary detour, ramp closure, wetland or stream crossing will not substantially increase the environmental consequences of the action (project).
- B. X Involve construction in wetlands totaling more than 5,000 square feet of permanent impacts, requiring the Army Corp of Engineers to coordinate with resource agencies per the General Permit.
- C. X Require a Risk Analysis for an increase in 100-year flood water surface elevations, per EO 11988.
- D. X Involve construction within, or alter drainage patterns so as to adversely affect, a Sole Source Aquifer.
- E. X Require coordination with the US Fish and Wildlife Service for the preparation of a Biological Assessment for Threatened and Endangered Species, per 16 CFR Section 7.
- F. X Require acquisition of additional right-of-way (including permanent or temporary construction easements) involving: more than three acres of land per mile of roadway, or a total of 10 acres or more for a non-linear improvement (such as a bridge or an intersection), or any relocation of residences or businesses.
- G. X Require FHWA approval for changes in access control.
- H. X Involve acquisition of, or impacts upon Prime or Unique Farmland, unless a USDA Farmland Conversion Impact Rating Part VI Site Assessment has been completed and indicates Total Site Assessment Points less than 160 (doesn't apply to designated urban areas).
- I. X Adversely Effect a historic or archaeological resource on, or eligible for inclusion on, the National Register of Historic Places.
- J. X Require use (permanent or temporary) of a Section 4(f) resource, unless that use meets the criteria for a de minimis or Programmatic 4(f); or involve the use of a Section 6(f) resource when compensation is required (property acquired or improved using Land and Water Conservation Funds).
- K. X Involve hazardous or residual waste liabilities subject to CERCLA and/or RCRA requirements.
- L. X Require a bridge permit from the US Coast Guard, per 23CFR 650 Subpart H.
- M. X Qualify as a Type I project and require analysis of noise abatement measures, per 23 CFR 772 and the FHWA approved VTrans Noise Policy.

(NOTE: If coordination with the FHWA was required to reach this determination attach concurrence memo)

**Categorical Exclusion
Environmental Analysis Sheet**

Town Brandon **Project No.** PLH ALPP(1) **Route** TH 22 (Churchill Road)

Project Setting: Urban _____ Village _____ Rural X
Traffic N/A Year N/A Typical Refer to plans
AASHTO Functional Classification N/A-Bridge Closed

Project Purpose & Need:

The purpose of the project is to replace the Bridge No. 22 over the Neshobe River in the Town of Brandon.

The need for the project is due to the extreme deterioration of Bridge No. 22 causing the bridge to be currently closed to vehicular traffic which blocks public access to the Green Mountain National Forest, and the need to provide a safe, efficient roadway for the traveling public.

Project Description:

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CRITERIA OF 23 CFR 771.117 (C) APPLICABLE? _____ **YES** X **NO**

NOTE: PROJECTS THAT MEET THE CRITERIA OF 23 CFR 771.17 (C) NEED ONLY ADDRESS THOSE ISSUES MARKED WITH AN ASTERISK (*). THIS DOES NOT PRECLUDE THE NEED TO OBTAIN APPLICABLE STATE & FEDERAL CONCURRENCES & PERMITS.

1. **Air Quality**

Ten year increase in ADT <10,000 (10,000 allowed maximum per MOA)
Urban intersection improvement Yes _____ No X

2. **Noise**

Type I Project (VTrans Noise Policy) Yes _____ No X
If yes, number of receptors impacted _____ N/A
Mitigation Requirements _____ N/A

3. **Water Quality**

Lakes or Ponds

VANR Lakes & Ponds permit Yes _____ No X Acquired _____

Rivers or Streams

VANR Title 19 Consultation Yes X No _____ Completed Permit
issued 2009; based on consultation with River Management Engineer, application is being
revised and will be resubmitted.

Wetlands

* Wetland Impact area Temporary 0 Permanent 0

* Buffer Impact area Temporary 0 Permanent 0

* VANR Wetland Permit Yes _____ No X Acquired _____

401 Water Quality Certification Yes X No _____ Acquired Pending

Stormwater Discharge Permit Yes _____ No X Acquired _____

Flood plains Encroachment Yes X No _____ Volume TBD

Describe Hydraulic Changes During construction there will be 1,875 square feet of temporary impacts, along with 1,925 square feet of permanent impact to land below ordinary high water. Best management practices will be used to minimize erosion and sedimentation.

Ground Water/Surface Water/Well Impacts Yes _____ No X

(Describe) _____ N/A

ANR Comments _____ None at this time

4. **U.S. Army Corps of Engineers**

Section 10 and/or Section 404 Permit Required Yes X No _____ Acquired Application being prepared by Town of Brandon.

Permit Type _____ General Permit Category 2

COE Comments _____ None at this time

5. **U.S. Coast Guard**

Navigable Waters Yes _____ No X Involved Waterway Neshobe River

Rivers & Harbors Act Section 9 and/or Bridge Act of 1946 Permit(s) Required Yes _____ No X Acquired _____

Section 144(h) "Exemption" Yes _____ No X Acquired _____

USCG Comments _____ None at this time

* 6. **Threatened and Endangered Species and Habitat**

Present in Project Area Yes X No _____

ANR Non-Game and Natural Heritage Program comments _____ None at this time

USF&WS comments _____ None at this time

Natural Resourced Clearance Comments via James Brady on 12/13/2016 There are two mapped threatened and endangered species within the project area. These are the federally threatened northern long-eared bat and the federally endangered Indiana bat.

7. **Agricultural Land**

Prime/secondary/locally important soils affected Yes _____ No X

Current land use Existing roadway and bridge over the Neshobe River. There is a hayfield northwest of the project area, a pasture to the south west, and the land to the east of the project is forested.

Form 1006 Parts 1, III, VI, VII, completed (FHWA) Yes _____ No X

Form 1006 Parts II, IV, V completed (NRCS) Yes _____ No X

Vermont Department of Agriculture comments _____ None at this time

8. **Hazardous/ Residual Waste Liabilities**

Present in project area Yes _____ No X

Determination from VANR list Yes X No _____

Determination from field visit Yes _____ No X

Borings completed Yes _____ No X

Petroleum related wastes Yes _____ No X

CERCLA involvement Yes _____ No X
Remediation required Yes _____ No X
Describe: There aren't any hazardous or residual waste liabilities within the project area per the ANR Natural Resources Atlas online mapping 11/28/2016.

* 9. **Historical or Archaeological Resources (Section 106)**

Historic Resources: Present in project area Yes _____ No X Exempt _____
Archeological Resources: Present in project area Yes X No _____ Exempt _____
Section 106 determination No Adverse Effect Issued: 12/02/2008; Historic Re-evaluated: 12/16/2016, Archeology Re-evaluated: 12/20/2016
Memorandum of Agreement needed Yes _____ No X Executed _____
SHPO coordination completed per VTrans SHPO PA
Advisory Council coordination completed N/A

* 10. **Section 4(f) and 6(f) Resources**

Section 4(f) Resource(s) present in project area Yes _____ No X
Nature of Section 4(f)
Parks/Rec. Areas _____ Wildlife and Waterfowl Refuge _____ Historic Property _____
Temporary use of 4(f) resource Yes _____ No X
Permanent use of 4(f) resource Yes _____ No X
Section 4(f) Approval (check one)
Negative Declaration _____ de minimis 4(f) _____ Programmatic 4(f) _____ Circulated 4(f) _____
Section 4(f) Comments There aren't any 4(f) resources within the project limits.

Section 6(f) involvement (LWCF Funding) Yes _____ No X
National Park Service Conversion Approval N/A
Section 6(f) Comments There aren't any 6(f) resources within the project limits.

* 11. **Right of Way**

New ROW Acquisition fee simple Yes _____ No X
permanent easement Yes X No _____
temporary easement Yes X No _____
Description of taking Temporary easement will be required for construction access, and permanent easements will be required for stone fill.
Improved properties acquired Yes _____ No X
Displacements Rental Units 0 Private Homes 0 Businesses 0
Relocation services to be provided N/A
Properties available for relocation N/A

12. **Public Participation Opportunity**

Pre-Design Site Meeting Yes X No _____ Date 04/21/2008
Public Information Meeting Yes X No _____ Date 08/11/2008
Public Hearing Required (502) Yes _____ No X Date _____
Comments by Local Officials/RPC's any comments will be on file with project manager at VTrans

13. **Social and Economic Concerns**

Project consistent with Local and Regional Land Use Plans Yes X No _____
Describe Project will not change existing land use. (Attach correspondence from officials)
Neighborhood and Community Concerns Yes _____ No X

<input type="checkbox"/> Churches	<input type="checkbox"/> Elderly
<input type="checkbox"/> Schools	<input type="checkbox"/> Handicapped
<input type="checkbox"/> Low Income Housing	<input type="checkbox"/> Environmental Justice Exec. Order 12898
<input type="checkbox"/> Emergency Services	<input type="checkbox"/> Other
Describe _____ N/A	
Effect on local business	Yes _____ No <input checked="" type="checkbox"/> (Describe) _____
Temp. effect on business	Yes <input checked="" type="checkbox"/> No _____ (Describe) <u>Construction Delays</u>
Loss of parking	Yes _____ No <input checked="" type="checkbox"/> (Describe) _____
Pedestrian Facilities	Sidewalk Widths Existing <u>None</u> Proposed <u>None</u>
Bicycle Facilities	Paved Shoulder Widths Existing <u>None</u> Proposed <u>None</u>
If not minimum standard (sidewalk 5ft, paved shoulder 4ft), explain <u>This is a bridge replacement project, sidewalks are not in the scope of work.</u>	

14. **Aesthetic Concerns**

Scenic Byway/VT Scenic Highway Yes _____ No ☒
 Describe _____ N/A

15. **Effects of Temporary Detour/ Bridge**

Detour required Yes _____ No ☒ Length _____ (Attach Plans)
 Temporary bridge required Yes _____ No ☒ (Attach Plans)
 Impacts of Detour/ Bridge _____ N/A
 Public notification of detour _____ N/A

Field Inspection Comments: See supporting documentation.

Summary of Commitments and Mitigation

Describe There are two 'stipulations' outlined in the Section 106 document, and two 'stipulations' outlined in the Natural Resources Clearance including wetlands and northern long-eared bat language which applies to this contract- See below:

Natural Resources (via James Brady's Natural Resource Clearance issued 12/13/2016)

Wetlands:

There is a small class III wetland in the south-east quadrant of the project area. Project Demarcation Fencing (PDF) shall be places around this wetland area to avoid any impacts during construction.

Northern long-eared bat:

Notice to Bidders: This project shall be subject to Avoidance and Minimization Measures to protect the habitat and hibernacula of the northern long-eared bat and Indiana bat. Measures applicable to this project include, Timeof-Year (TOY) restrictions for any potential impacts to suitable bat habitat, which include, but are not limited to trees $\geq 3''$ and/or habitat features on bridge structures.

Suitable habitat features have been identified inside of the project limits, and therefore the project is subject to TOY restrictions. The Contractor shall not cut trees $\geq 3''$ in diameter from April 1 through October 31]. Should the Contractor propose to cut trees $\geq 3''$ in diameter within the restricted timeframe they must first hire a qualified biologist to conduct a suitable habitat assessment and acoustic monitoring as necessary. A report shall be submitted to the VTrans Biologist for review. No impacts to suitable habitat in the restricted timeframe shall occur until permission is granted by the VTrans Environmental Section. In accordance with this requirement, and with reference to Subsection 108.09(d), work impacting suitable habitat features will be allowed during the

seasonal closure period. The Contractor is hereby made aware of the potential for TOY restrictions related to proposed Waste, Borrow and Staging areas. Cutting trees $\geq 3''$ in diameter outside of the contract project limits shall require review under Section 105.25 Control of Waste, Borrow, and Staging Areas.

Archaeological Resource Stipulation (via Section 106 dated 12/02/2008)

Contractor must install exclusionary fencing to avoid impact to stone wall (located to the southwest of the existing bridge) associated with the nearby 19th-century sawmill site, which is part of the Churchill Mill Archaeology District (VT-RU-585).

Historic Stipulation (via Section 106 dated 12/02/2008)

Final project plans and any subsequent changes thereto will be subject to review and written approval by the VTrans Historic Preservation Officer before work begins.

Prepared by: Julie Ann Held 12/21/2016
Signature Date

Reviewed by: Lee Goldstein 12/21/2016
Signature Date

Document Template Last Revised 11/10/15

Brandon PLH ALPP (1)
ENVIRONMENTAL DOCUMENTATION

ACOE SECTION 404 PERMIT



DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
696 VIRGINIA ROAD
CONCORD MA 01742-2751

March 8, 2017

Regulatory Division
CENAE-RDC-63
File No. NAE-2009-00369

Town of Brandon
c/o Mr. Daryl Burlett
49 Center Street
Brandon, Vermont 05733

Dear Mr. Burlett:

We have reviewed your application to place fill in a total of 4,235 sq. ft. (0.10 acre) of the Neshobe River and adjacent wetlands in conjunction with the replacement of Bridge 22 on Churchill Road (TH 22) in Brandon, Vermont. The work is shown on the attached plans, in eight sheets, entitled "VICINITY MAP" (dated "01/31/17") and "BRANDON-CHURCHILL ROAD BRIDGE BRANDON PLH ALPP(I)" (dated "DECEMBER 2016", "11/21/2016", "1/5/2017", "3/2/2017", and "1/6/2017").

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts on waters of the United States, including wetlands. Therefore, this work is authorized as a Category 2 activity under the attached Federal permit known as the Vermont General Permit (GP). This work must be performed in accordance with the terms and conditions of the GP **and also in compliance with the following special conditions:**

- 1. To protect the potential presence of any northern long-eared bat maternity roost trees, no trees greater than 3" DBH shall be cut from April 1 – October 31 of any year per the latest U.S. Fish and Wildlife Service bat active season determination (may be subject to change).**
- 2. To ensure impacts to a stone wall southwest of the existing bridge are avoided, the contractor shall install exclusionary fencing (snow-fencing or other structural barrier) as shown on sheet 6 of the permit plans. This fencing shall remain in place until project completion.**

You are responsible for complying with all of the GP's requirements. Please review the attached GP carefully, in particular the GP conditions beginning on Page 7, to familiarize yourself with its contents. You should ensure that whoever does the work fully understands the requirements and that a copy of the permit document AND THIS

AUTHORIZATION LETTER ARE at the project site throughout the time the work is underway.

This authorization expires on December 6, 2017, unless the GP is modified, suspended, or revoked. You must commence or have under contract to commence the work authorized herein by December 6, 2017 and complete the work by December 6, 2018. If you do not, you must contact this office to determine the need for further authorization before beginning or continuing the activity. We recommend you contact us before this permit expires to discuss permit reissuance.

If you change the plans or construction methods for work in our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

This authorization requires you to complete and return the enclosed Work Start Notification Form to this office before the anticipated starting date. You must also complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work.

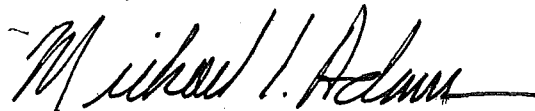
This authorization presumes that the work as described above and as shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, please submit a request for an approved jurisdictional determination in writing to this office.

This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law, as listed on Page 2 of the GP. Performing work not specifically authorized by this determination or failing to comply with any special condition(s) provided above or all the terms and conditions of the GP may subject you to the enforcement provisions of our regulations.

We continually strive to improve our customer service. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at http://corpsmapu.usace.army.mil/cm_apex/f?p=regulatory_survey

Please contact Angela C. Repella of my staff at (802) 872-2893 if you have any questions.

Sincerely,



Frank J. DelGiudice
Chief, Permits & Enforcement Branch
Regulatory Division

Attachments

Copies Furnished:

Mr. Josh Carvajal, P.E., CFM
River Management Engineer
Vermont Department of Environmental Conservation
Joshua.carvajal@vermont.gov

Ms. Zapata Courage
District Wetlands Ecologist
Vermont Department of Environmental Conservation
Zapata.Courage@vermont.gov

Mr. Jed Merrow
McFarland Johnson, Inc.
jmerrow@mjinco.com

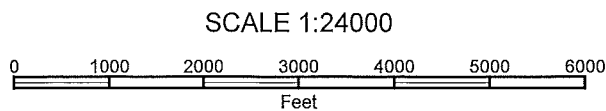
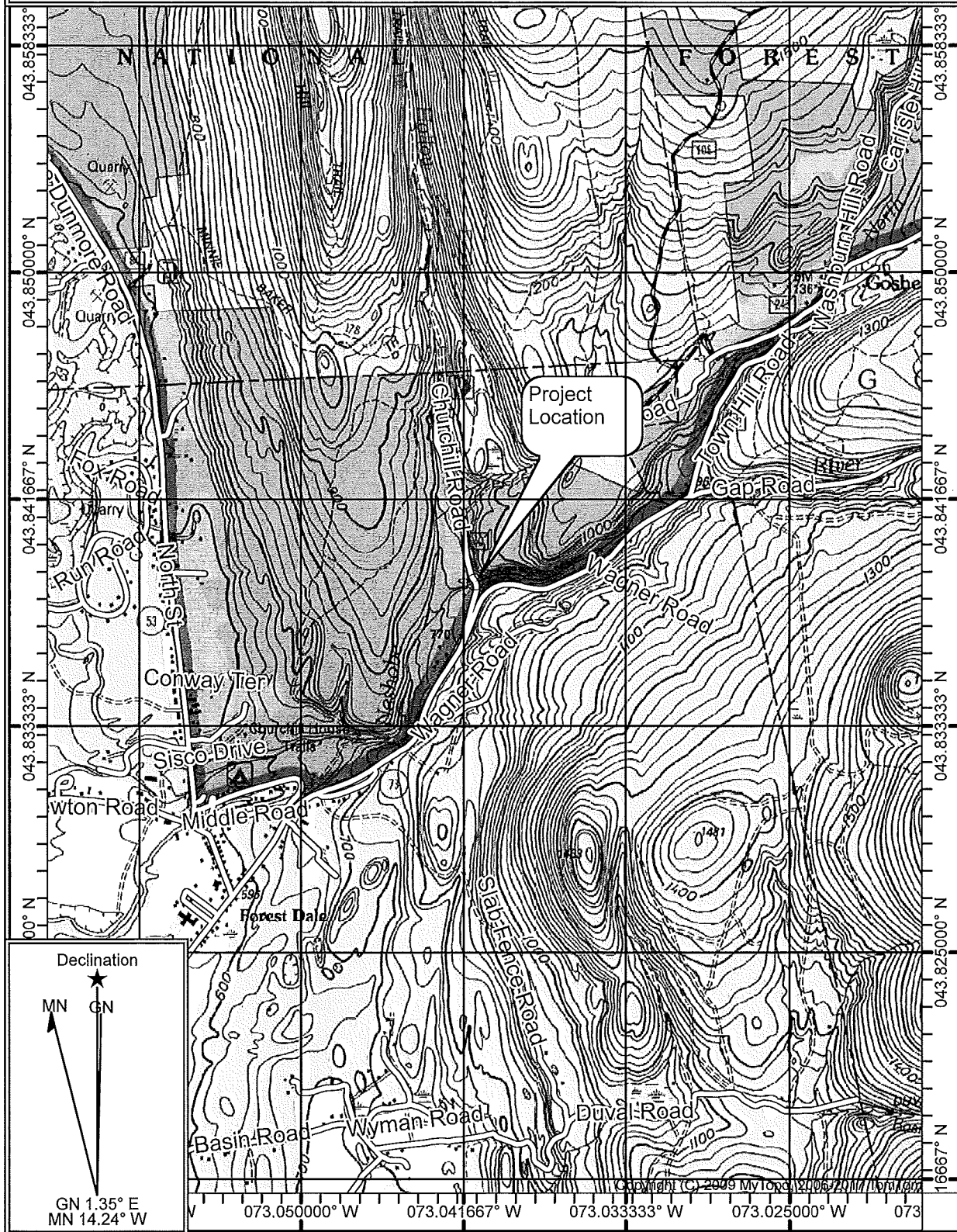
Mr. Stephen Hoffmann
McFarland Johnson, Inc.
shoffmann@mjinco.com

Mr. Daryl Burlett
Town of Brandon
Dburlett@townofbrandon.com

Map Name: BRANDON
Print Date: 01/31/17

Scale: 1 inch = 2,000 ft.
Map Center: 043.838538° N, 073.1

Horizontal Datum: NAD27



VICINITY MAP

01/31/17

SHEET 1 OF 8

INDEX OF SHEETS

- 1 TITLE SHEET
- 2 TYPICAL SECTIONS AND DETAILS
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- 7 EXISTING CONDITIONS SITE PLAN
- 8 EPSC CONSTRUCTION SITE PLAN
- 9 EPSC FINAL CONDITIONS SITE PLAN
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- 11 SUPERSTRUCTURE DETAILS (1 OF 2)
- 12 SUPERSTRUCTURE DETAILS (2 OF 2)
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- 14 NORTH ABUTMENT
- 15 ABUTMENT DETAILS
- 16 GENERAL NOTES
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- 19 R.O.W. DETAIL SHEET
- 20 R.O.W. PLAN

NOTES

- 1 FOR INDEX OF STANDARDS, SEE SHEET 16.
- 2 * SHEETS NOT INCLUDED IN PERMIT PLANS

TOWN OF BRANDON, VT COUNTY OF RUTLAND PROPOSED IMPROVEMENT BRIDGE PROJECT

T. H. 22 (CHURCHILL ROAD) - BRIDGE NO. 22 OVER NESHOBE RIVER

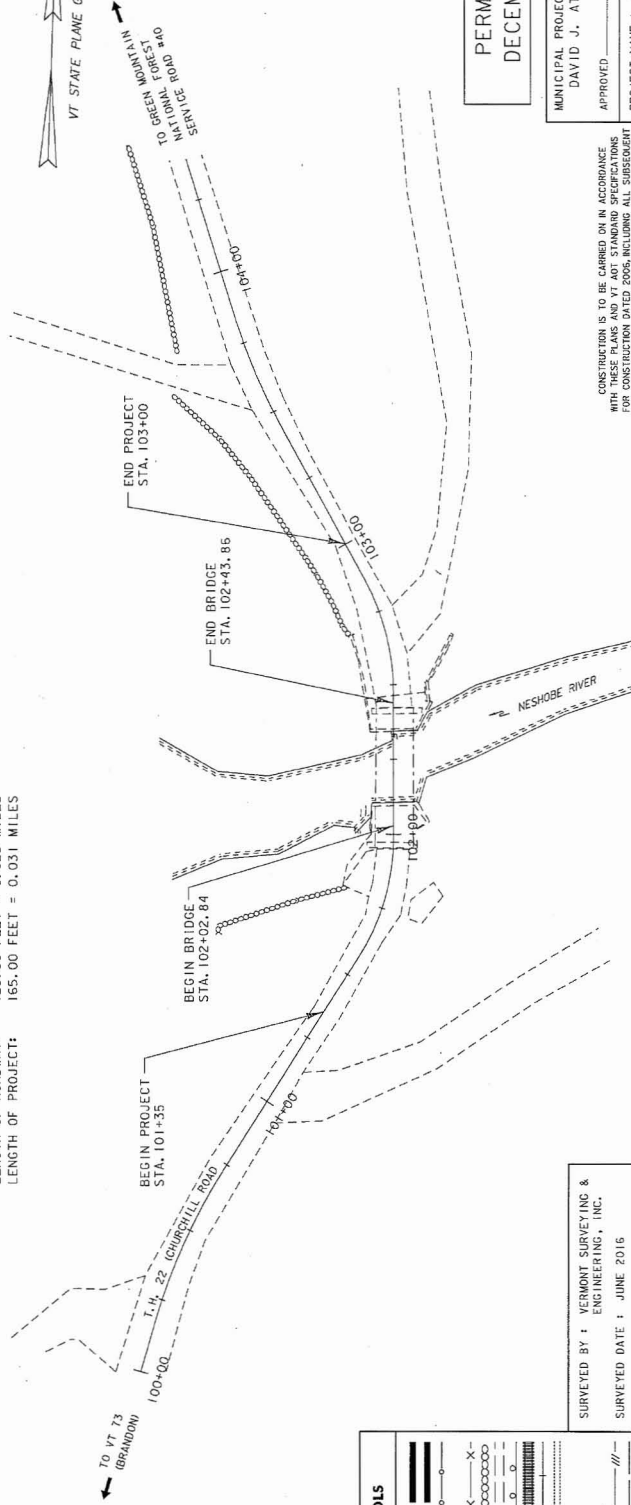
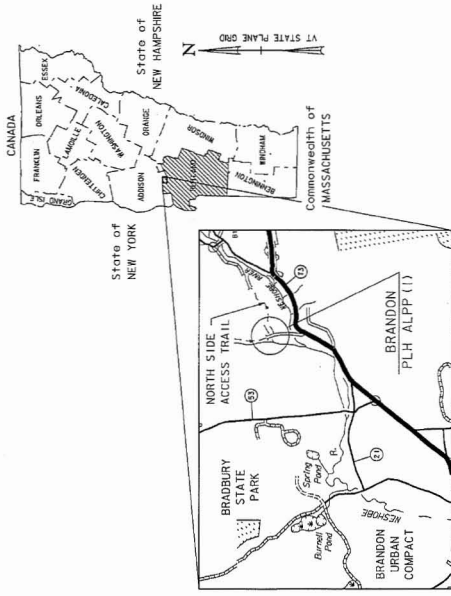
PROJECT LOCATION: BEGINNING AT A POINT ON T. H. 22, APPROXIMATELY 0.1 MILES NORTHERLY OF ITS INTERSECTION WITH VT 73, AND EXTENDING NORTHERLY 0.031 MILES.

PROJECT DESCRIPTION: REPLACEMENT OF BRIDGE NO. 22 WITH PRESTRESSED CONCRETE VOIDED SLAB SUPERSTRUCTURE AND CAST-IN-PLACE CONCRETE ABUTMENTS, WITH RELATED APPROACH AND CHANNEL WORK.

LENGTH OF STRUCTURE: 41.02 FEET ± 0.008 MILES
LENGTH OF ROADWAY: 123.98 FEET ± 0.023 MILES
LENGTH OF PROJECT: 165.00 FEET ± 0.031 MILES

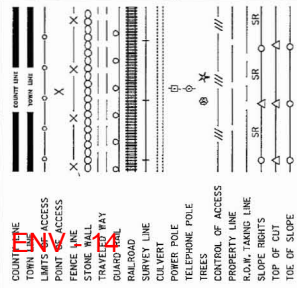
LOCATION MAP

NOT TO SCALE



SCALE 1" = 20'-0"

CONVENTIONAL SYMBOLS

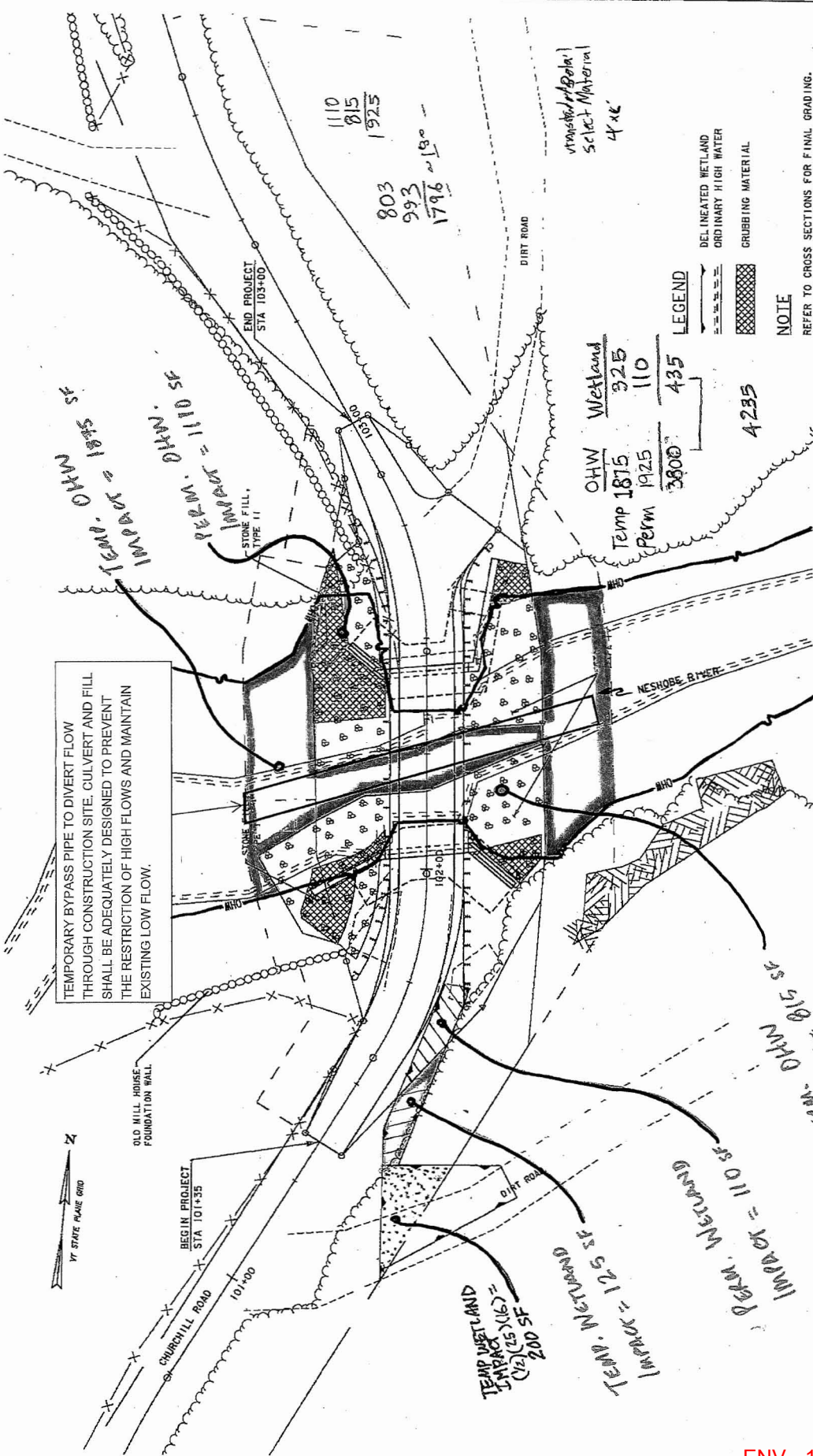


PERMIT PLANS
DECEMBER 2016

MUNICIPAL PROJECT MANAGER :
DAVID J. ATHERTON, TOWN MANAGER
APPROVED : _____ DATE : _____
PROJECT NAME : BRANDON-CHURCHILL ROAD
BRIDGE
PROJECT NUMBER : BRANDON PLH ALPP (1)
SHEET 2 OF 8 SHEETS

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND VT AOT STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2005, INCLUDING ALL SUBSEQUENT AMENDMENTS. SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

McFarland Johnson



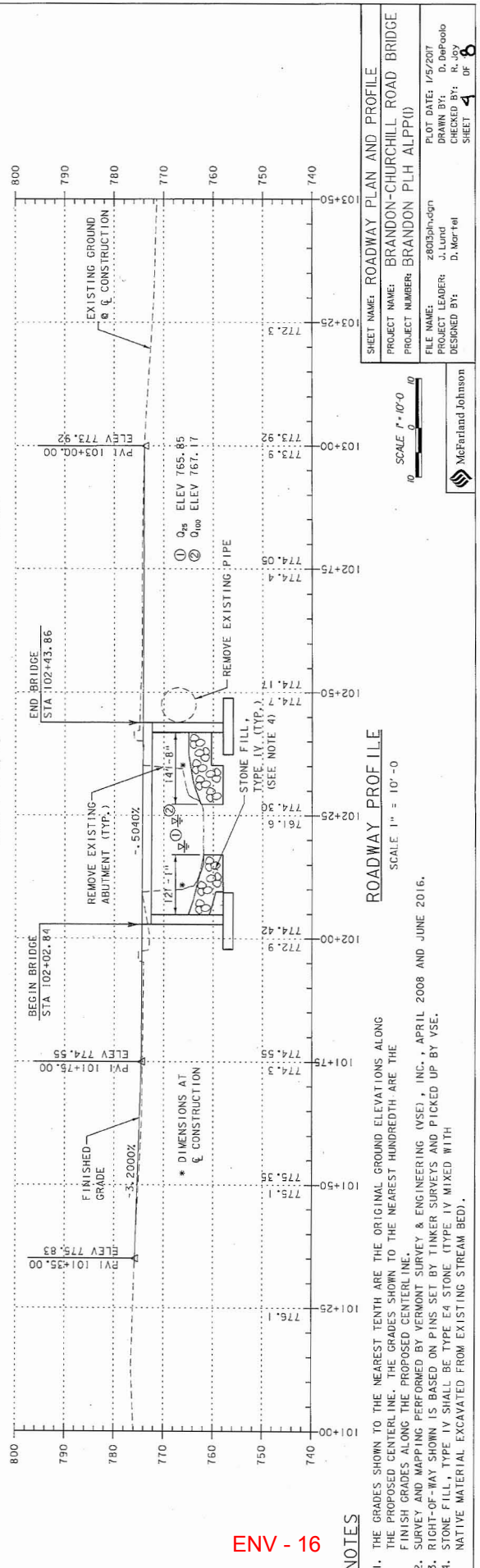
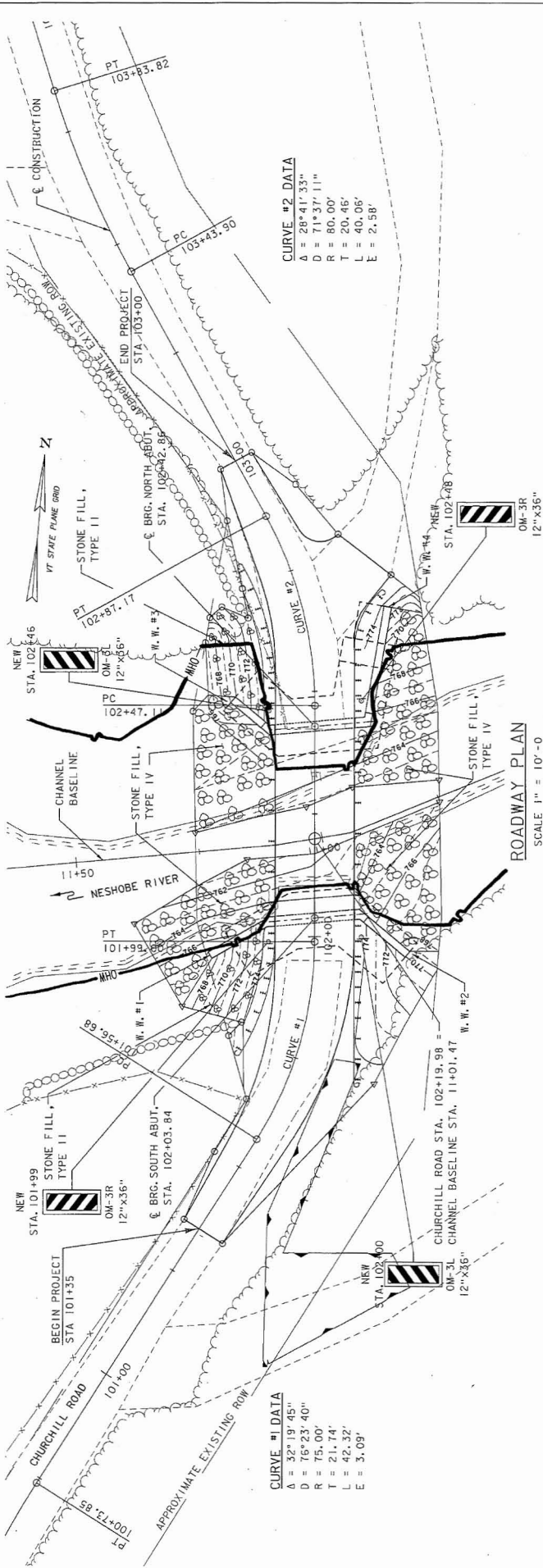
FINAL CONDITIONS LAYOUT
SCALE 1" = 10'-0"

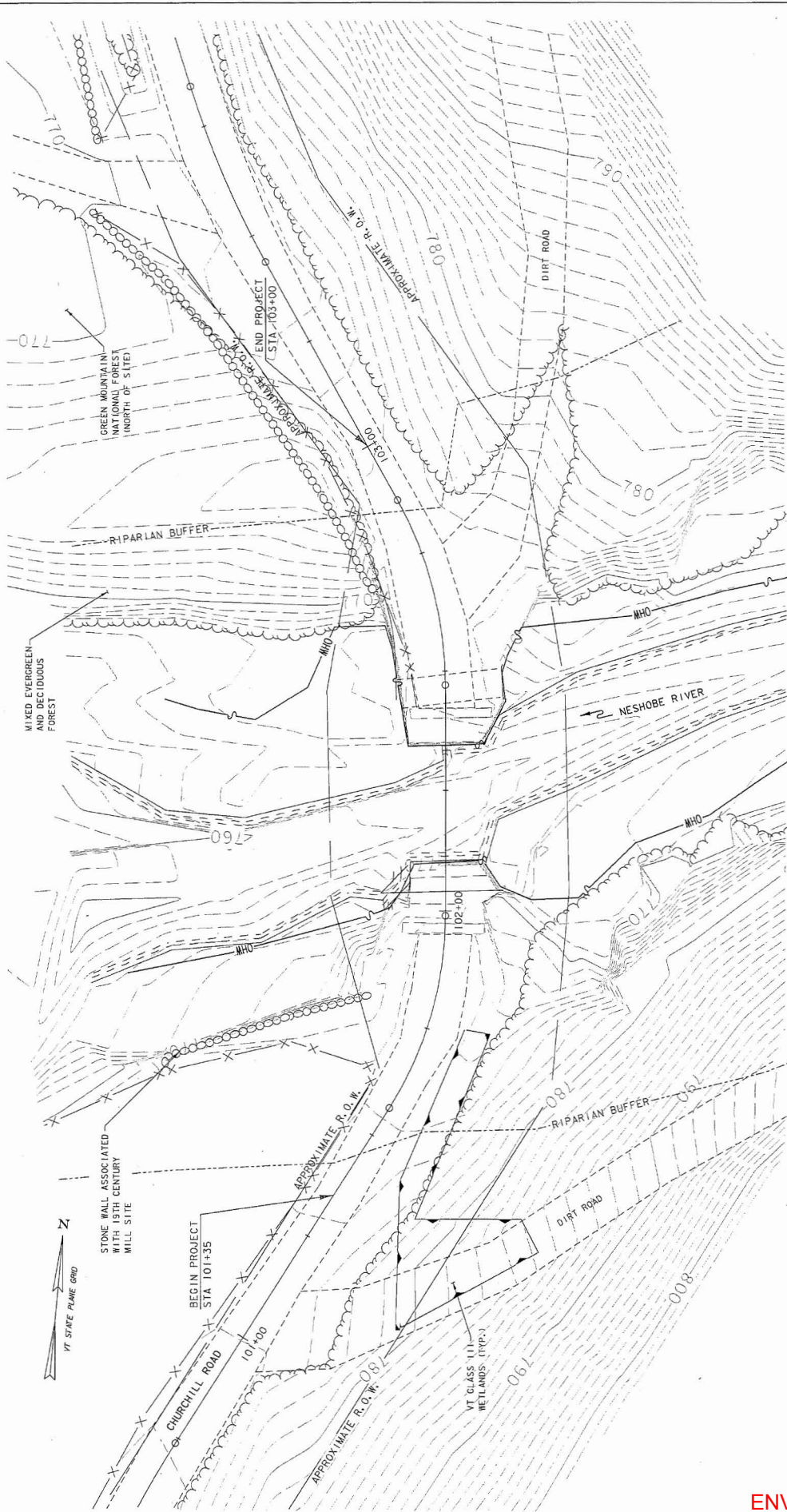
SCALE 1" = 10'-0"

- LEGEND**
- DEL INEATED WETLAND
 - ORDINARY HIGH WATER
 - CRUBBING MATERIAL
- NOTE**
- REFER TO CROSS SECTIONS FOR FINAL GRADING.

SHEET NAME:	EPSC FINAL CONDITIONS SITE PLAN
PROJECT NAME:	BRANDON-CHURCHILL ROAD BRIDGE
PROJECT NUMBER:	BRANDON PLH ALPP(0)
FILE NAME:	25033rncdgn
PROJECT LEADER:	J. Lund
DESIGNED BY:	D. Murphy
PLOT DATE:	11/21/2016
DRAWN BY:	D. Murphy
CHECKED BY:	
SHEET	3 OF 8







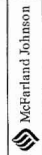
RESOURCE PLAN

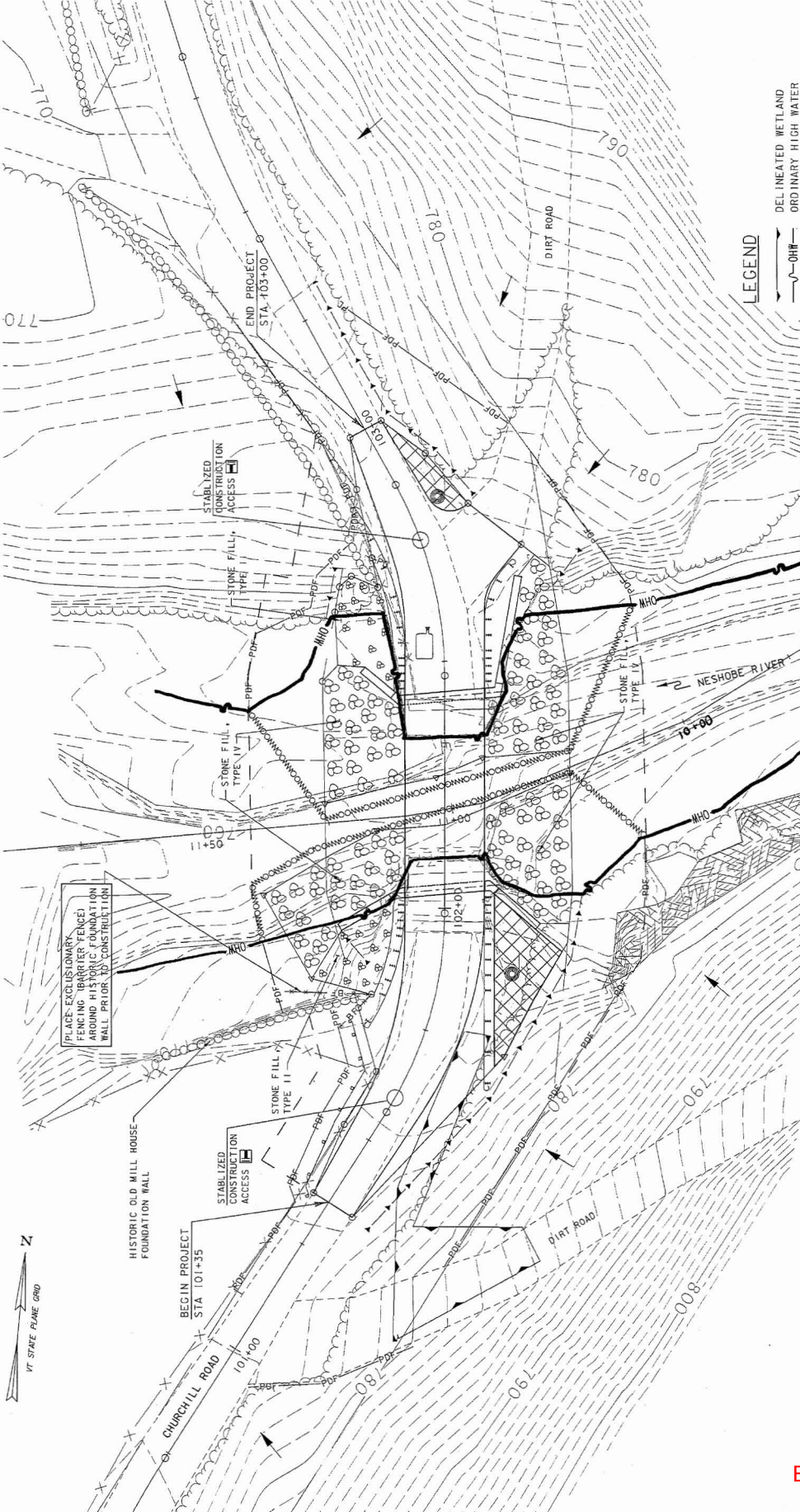
SCALE: 1" = 10'

NOTES

1. SURVEY AND MAPPING PERFORMED BY VERMONT SURVEY & ENGINEERING (VSE), INC., APRIL 2008 AND JUNE 2016.
2. RIGHT-OF-WAY SHOWN IS BASED ON PINS SET BY TINKER SURVEYS AND PICKED UP BY VSE.
3. SITE LIES WITHIN THE "CHURCHILL MILL ARCHAEOLOGICAL DISTRICT" (SITE VT-RU-585).
4. SOILS IN VICINITY OF BRIDGE ARE WELL-DRAINED, COARSE-LOAMY, DUXBURY-COLTON COMPLEX, 2-8% SLOPES.

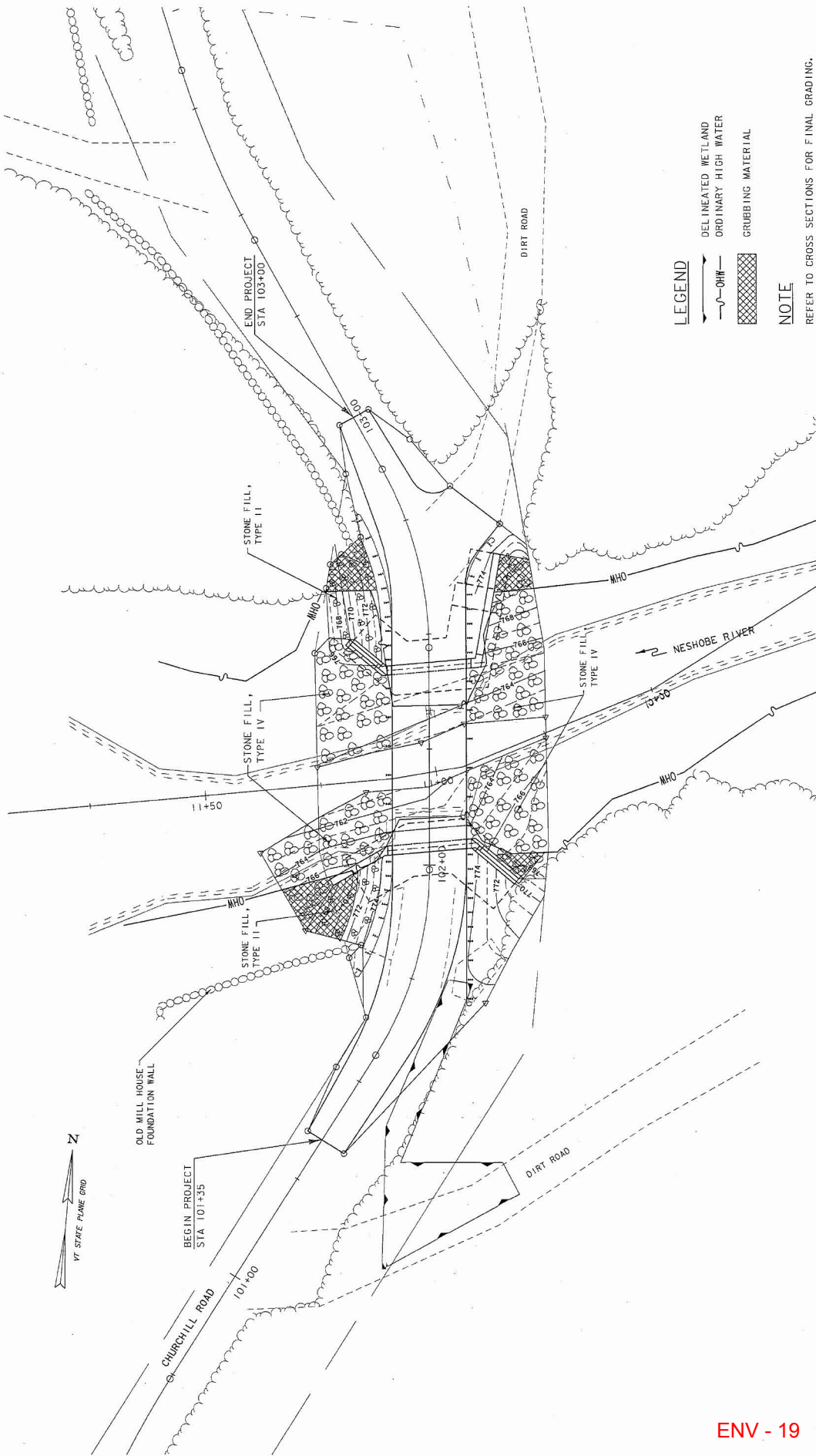
SHEET NAME:	RESOURCE LAYOUT SHEET
PROJECT NAME:	BRANDON-CHURCHILL ROAD BRIDGE
PROJECT NUMBER:	BRANDON PLH ALPP(I)
FILE NAME:	2803vres.dgn
PROJECT LEADER:	J. Lund
DRAWN BY:	D. DePaolo
CHECKED BY:	R. Joy
DESIGNED BY:	D. Mor-tel
PLOT DATE:	1/5/2017
SHEET	5
OF	8





SHEET NAME: EPSC CONSTRUCTION SITE PLAN
 PROJECT NAME: BRANDON-CHURCHILL ROAD BR
 PROJECT NUMBER: BRANDON PLH ALPP(0)
 FILE NAME: z803wr1.dgn
 PROJECT LEADER: J. Lund
 DESIGNED BY: D. Morfel
 PLOT DATE: 3/2/2007
 DRAWN BY: D. DePaolo
 CHECKED BY: R. Joy
 SHEET 6 OF 8

McFarland Johnson



LEGEND

- DEL INEATED WETLAND
- ORDINARY HIGH WATER
- CRUBBING MATERIAL

NOTE

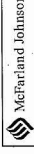
REFER TO CROSS SECTIONS FOR FINAL GRADING.

FINAL CONDITIONS LAYOUT

SCALE 1" = 10'-0"

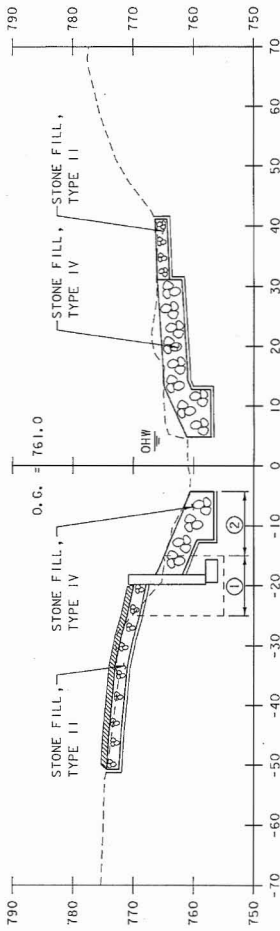


SHEET NAME:	EPSC FINAL CONDITIONS SITE PLAN
PROJECT NAME:	BRANDON-CHURCHILL ROAD BRIDGE
PROJECT NUMBER:	BRANDON PLH ALPFI(I)
FILE NAME:	2803frc.dgn
PROJECT LEADER:	J. Lund
DESIGNED BY:	D. Mortel
PLOT DATE:	1/5/2017
DRAWN BY:	D. DePalo
CHECKED BY:	R. Joy
SHEET	7
OF	8

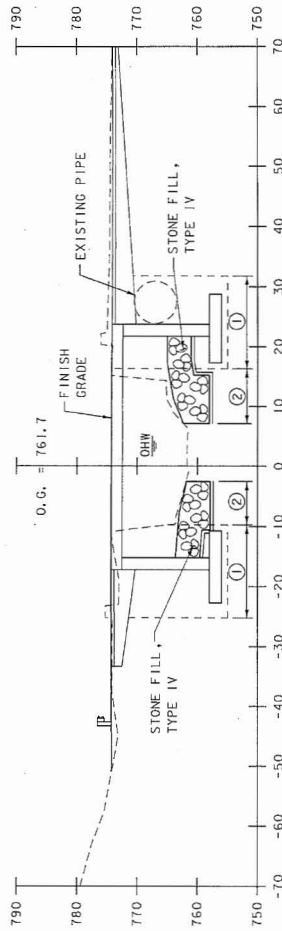


McFarland Johnson

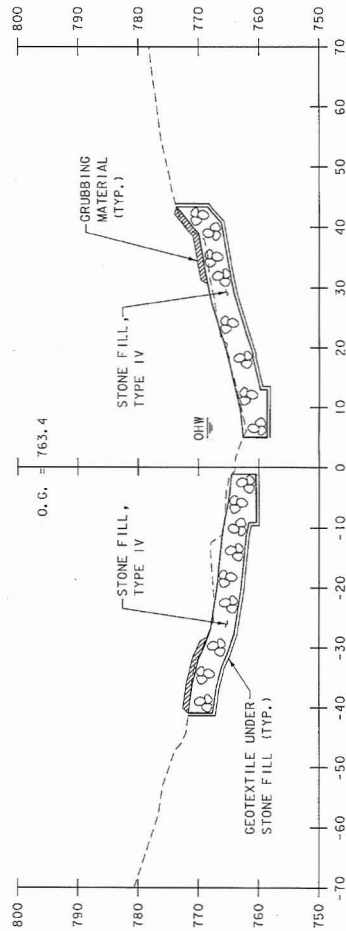
- ① COFFERDAM EXCAVATION, EARTH AND COFFERDAM EXCAVATION, ROCK
- ② UNCLASSIFIED CHANNEL EXCAVATION



11+20



11+00



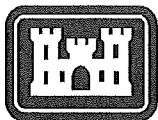
10+80
(SKEWED PARALLEL TO THE MAINLINE)

SHEET NAME: CHANNEL CROSS SECTIONS

PROJECT NAME: BRANDON-CHURCHILL ROAD BRIDGE
PROJECT NUMBER: BRANDON PLH ALPPI(1)

FILE NAME: z0030as.dgn
PLOT DATE: 1/6/2007
DRAWN BY: D. DePardo
PROJECT LEADER: J. Lund
CHECKED BY: R. Joy
DESIGNED BY: D. Mortel
SHEET 8 OF 8





**US Army Corps
of Engineers®**
New England District

WORK START NOTIFICATION FORM

* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Vermont Project Office *
* 11 Lincoln Street, Room 210 *
* Essex Junction, Vermont 05452 *

Corps of Engineers Permit No. NAE-2009-00369 was issued to the Town of Brandon.
The permit authorized the permittee to place fill in a total of 4,235 sq. ft. (0.10 acre) of
the Neshobe River and adjacent wetlands in conjunction with the replacement of Bridge
22 on Churchill Road (TH 22) in Brandon, Vermont.

The people (e.g., contractor) listed below will do the work, and they understand the
permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Person/Firm: _____

Business Address: _____

Telephone Numbers: () _____ () _____

Proposed Work Dates: Start _____ Finish _____

Permittee's Signature: _____ Date: _____

Printed Name: _____ Title: _____

FOR USE BY THE CORPS OF ENGINEERS

PM: Angela C. Repella

Submittals Required: No

Inspection Recommendation: _____



**US Army Corps
of Engineers®**

New England District

(Minimum Notice: Permittee must sign and return notification
within one month of the completion of work.)

COMPLIANCE CERTIFICATION FORM

USACE Project Number: NAE-2009-00369

Name of Permittee: Town of Brandon

Permit Issuance Date: March 8, 2017

Please sign this certification and return it to the following address upon completion of the activity and any mitigation required by the permit. You must submit this after the mitigation is complete, but not the mitigation monitoring, which requires separate submittals.

* MAIL TO: U.S. Army Corps of Engineers, New England District *
* Vermont Project Office *
* 11 Lincoln Street, Room 210 *
* Essex Junction, Vermont 05452 *

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit was completed in accordance with the terms and conditions of the above referenced permit, and any required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date

Printed Name

Date of Work Completion

Telephone Number

Respectfully,

Julie Ann Held 12/21/2016

Julie Ann Held
VTrans Environmental Specialist

Attachments

cc:

Scott Gurley, Project Manager; Project File

Brandon PLH ALPP (1)
ENVIRONMENTAL DOCUMENTATION

ANR STREAM ALTERATION PERMIT

Vermont Department of Environmental Conservation

Watershed Management Division

Rutland Regional Office

88 Merchants Row, Suite 430 Asa Bloomer Building

Rutland, VT 05701-5903

Agency of Natural Resources

[cell] 802-490-6163

[fax] 802-786-5915

<http://dec.vermont.gov/watershed>**AUTHORIZATION TO CONDUCT STREAM ALTERATION ACTIVITIES**

Pursuant to Section C.2.2 of the VT Stream Alteration General Permit (Reporting activities not requiring an application)

Project Number: **SA-0152**Watercourse: **Neshobe River**Applicant Name: **Daryl Burlett**Email: dburlett@townofbrandon.comMailing Address: **49 Center Street Brandon, VT 05733**Phone: **(802) 247-3635 x211**Project Location: **Bridge 22, Churchill Road (TH 22)**Lat/Lon: **N 43.8385 / W 73.0406***The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:*

1. This project authorizes under **Section C.2.2.4, replacement bridge structure matching bankfull dimensions.**
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 plans dated 01/05/2017 and prepared by MacFarland Johnson, with requested modifications by the RME,** and as approved by the VT Agency of Natural Resources.
 - 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 1st through October 15th;** any in-stream work outside these dates will require consultation with and prior authorization by the River Management Engineer (RME).
 - i) This authorization has been posted for three days public comment. This authorization constitutes final approval.

Additional Conditions: Contact the River Management Engineer (RME) to schedule an onsite pre-construction meeting.

If there are any changes in the project plan or deviation in construction from the approved plans, the Permittee must notify the River Management Engineer immediately via phone (802) 490-6163 or email joshua.carvajal@vermont.gov.

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 6th day of February, 2017

Joanna Pallito, Commissioner

Department of Environmental Conservation

This permit expires on October 1, 2018.

by: 
Josh Carvajal, P.E. CFM, River Management Engineer