



**NH DEPARTMENT OF ENVIRONMENTAL SERVICES
LAND RESOURCES MANAGEMENT**



29 Hazen Drive PO Box 95, Concord, NH 03302-0095
 Phone: (603) 271-2147 Fax: (603) 271-6588 Email: shoreland@des.state.nh.us
 For Application Status: http://www2.des.state.nh.us/OneStop/Wetland_Permits_Query.aspx

SHORELAND PERMIT BY NOTIFICATION (PBN)¹

Accepted Rejected

Shoreland File Number 2011 - _____ Date: _____ Initials: _____

A. PROJECT AND OWNER INFORMATION				
1.	Project Property Address	Town/City	State	Zip code
	US Route 302	Hart's Location	NH	03812
2.	Waterbody Name	Tax Map	Lot	Block Unit
	Sawyer River	NA,	NA,	NA, ,
3.	Property Owner Name (last, first, MI)	Phone No.	Fax No.	An email address authorizes electronic communication
	New Hampshire DOT	(603) 271-2731		RLandry@dot.state.nh.us
	Mailing address	Town/City	State	Zip code
	7 Hazen Drive	Concord	NH	03301

<p>B. PROPOSED PROJECT DESCRIPTION: Provide a brief description of the proposed project including the total square footage of all temporary and permanent impacts, pervious and impervious areas and new structures.</p> <p>*This permit application cannot be used to impact jurisdictional wetlands under RSA 482-A such as : constructing/ installing new docks, modifying existing docking structures, constructing new retaining walls or modifying existing retaining walls located on the immediate shoreline, constructing new beaches or impacting prime wetlands and sand dunes.</p> <p>See attached.</p>

C. CONDITIONS: Agree to the following Permit by Notification conditions by initialing each one:	
Env-Wq 1406.17(a)	Erosion and siltation control measures shall (1) Be installed prior to the start of work; (2) Be maintained throughout the project; and (3) Remain in place until all disturbed surfaces are stabilized.
Env-Wq 1406.17(b)	Erosion and siltation controls shall be appropriate to the size and nature of the project and to the physical characteristics of the site, including slope, soil type, vegetative cover, and proximity to wetlands or surface waters.
Env-Wq 1406.17(c)	No person undertaking any activity in the protected Shoreland shall cause or contribute to, or allow the activity to cause or contribute to, any violations of the surface water quality standards established in Env-Ws 1700 or successor rules in Env-Wq 1700.
Env-Wq 1406.17(d)	Any fill used shall be clean sand, gravel, rock, or other suitable material.
Env-Wq 1406.05	Upon receiving acceptance of this Permit by Notification, a copy of page one of this form shall be posted on site prior to the start of work.

¹ Form is not valid unless shoreland file number is assigned and notification is accepted, dated and initialed by DES.

D. PBN CRITERIA: Check one of the following criteria per RSA 483-B:5-b:	
<input type="checkbox"/>	1. This project will result in less than 1,500 sq ft of total impact area, of which no more than 900 square feet will be added impervious area (<i>excluding public infrastructure projects</i>); or
<input checked="" type="checkbox"/>	2. This is a public infrastructure maintenance or repair project (public utilities, public roadways and access facilities); or
<input type="checkbox"/>	3. This project is directly related to stormwater management improvements, erosion control projects or environmental restoration or enhancement; or
<input type="checkbox"/>	4. This project is an activity defined as qualified for a permit by notification under Env-Wq 1406.05. Identify the specific paragraph under Env-Wq 1406.05 qualifying this project: <input type="checkbox"/> Env-Wq 1406.05(a) <input type="checkbox"/> Env-Wq 1406.05(b) <input type="checkbox"/> Env-Wq 1406.05(c) <input type="checkbox"/> Env-Wq 1406.05(d)

E. IMPACT AREA AND APPLICATION FEE: Indicate the appropriate impact area and fee by checking the appropriate box below.		
<input type="checkbox"/>	1. The proposed project meets the criteria of Section D.3. above.	\$100.00
<input checked="" type="checkbox"/>	2. The proposed project is a public infrastructure project.	Fee Exempt
<input type="checkbox"/>	3. The proposed project will have temporary impacts of _____ square feet + permanent impacts of _____ square feet = _____ square feet of impact within 250 feet of the reference line. Total Impact square feet x \$0.10 per square foot + \$100 = _____	(Max \$250) \$
DES OFFICE USE: <input type="checkbox"/> _____ <input type="checkbox"/> \$ _____ <input type="checkbox"/> _____ <input type="checkbox"/> \$ _____		

F. REQUIRED CERTIFICATIONS: By initialing within the blank before each of the following statements, and signing below, you are certifying that the information provided is true, complete and not misleading.	
<input type="checkbox"/>	1. I understand that any impacts completed under a Permit by Notification filed and accepted based on false, incomplete, or misleading information on the application, plans or attachments shall be subject to enforcement action.
<input type="checkbox"/>	2. I am aware that an accepted Shoreland Permit by Notification will not exempt the work I am proposing from other state, local or federal approvals.
<input type="checkbox"/>	3. I am aware of the requirements regarding impervious area thresholds and have provided all necessary materials necessary to clearly demonstrate this project meets at least the minimum standards of RSA 483-B:9, V(g) 1,2 and 3.
<input type="checkbox"/>	4. I am aware of the requirements regarding vegetation existing in an unaltered state between 50 ft and 150 ft of the reference line (at least 25% of area existing in an unaltered state must remain unaltered) and assure this project will not decrease any area currently existing in an altered state below the minimum standard.
<input type="checkbox"/>	5. I understand that failure to conduct the work in accordance with the plans and materials submitted with this Notification shall be considered work without a permit and subject to enforcement action. I agree to conduct all work under this Permit by Notification in accordance with the conditions specified in Section C, above.
<input type="checkbox"/>	6. I understand that failure to submit all 3 pages of this Notification form and all required items in Section I of this Permit by Notification will result in a rejection of my Notification and forfeiture of the Permit by Notification fee.

G. REQUIRED SIGNATURE	
Signature of Owner	Date

H. AGENT INFORMATION If this form has been completed by an agent of any kind acting on behalf of the owner that agent shall provide the following information:				
1.	Agent Name(last, first, MI)	Phone No.	Fax No.	An email address authorizes electronic communication
	Vicki Chase	603 225-2978		vchase@mjinc.com
	Mailing address	Town/City	State	Zip code
	McFarland Johnson	Concord	NH	03301

SHORELAND PERMIT BY NOTIFICATION (PBN)

Accepted Rejected

Shoreland File Number 2011 - _____ Date: _____ Initials: _____

Project Property Address	Town/City	State	Zip code
I. INFORMATION REQUIRED FOR NOTIFICATION ACCEPTANCE:			DES USE
<p>If your notification package does not include the following information required for acceptance, it will be rejected. If your project does not qualify for a Shoreland PBN under Section D. of this Notification, it will be rejected. Initial if included or initial and check N/A if not applicable. You will receive this page annotated with the missing/non-compliant items indicated, only if your Notification is rejected.</p>			Included/ Compliant?
RSA 483-B:5-b, I (a)	Notification form signed by the owner of property, the name and address of the property owner, the address of the site on which the work will occur, the name of the jurisdictional waterbody, the tax map and lot number on which the proposed work will occur.		Y N
RSA 483-B:5-b, I (a), 483-B:9, Env-Wq 1406.09 and Wq 1406.10	Plans clearly and accurately depicting the work to be completed relative to the reference line of the jurisdictional waterbody, including the following: <ul style="list-style-type: none"> ▪ The scale used on the plan; ▪ A north-pointing arrow, indicating orientation; ▪ A legend that clearly indicates all symbols, line types and shadings; ▪ The reference line, the primary structure setback line, the natural woodland buffer and the protected shoreland zone; ▪ The dimensions and locations of all existing and proposed impervious areas. If there are no additional impervious areas, do not show existing impervious areas; ▪ The dimensions, locations, and descriptions of all proposed temporary impacts associated with completion of the project. 		Y N
Env-Wq 1406.10(e)	Plans depicting a cross-section of any pervious surface technologies. Check N/A if no pervious surface technologies are associated with this project <input type="checkbox"/> N/A		Y N
RSA 483-B:9, V(g)(2) and Env-Wq 1500	If post-construction impervious area will be greater than 20%, plans for a stormwater management system that will infiltrate increased stormwater from development. Check N/A if proposed project has a post-construction impervious area of 20 % or less <input type="checkbox"/> N/A		Y N
RSA 483-B:9, V(g)(1) &(3) and Env-Wq 1500	If post-construction impervious area is greater than 30%, plans which demonstrate that: <ul style="list-style-type: none"> ▪ Each grid segment of the waterfront buffer meets the minimum required tree, sapling, shrub and ground cover score; and ▪ A stormwater management system that will not concentrate stormwater runoff or contribute to erosion has been designed and certified by a professional engineer. Check N/A if proposed project has a post-construction impervious area of 30 % or less <input type="checkbox"/> N/A		Y N
Env-Wq 1406.10(f)	If proposed project includes work within the waterfront buffer, plans which delineate: <ul style="list-style-type: none"> ▪ Each grid segment of the waterfront buffer that will be impacted by the project; and ▪ The location and diameter of all trees and saplings and the location of all shrubs and groundcover within each segment to be impacted; and ▪ A designation of the trees, saplings and shrubs, over 3 feet in height and groundcover to be cut during the project. Check N/A if proposed project has no work planned within the waterfront buffer. <input type="checkbox"/> N/A		Y N
RSA 483-B:5-b, I (a)	Dated photographs, clearly showing the area to be impacted.		Y N
RSA 483-B:5-b, I(b)(1)	Fee, as indicated in Section E. Check or Money Order made out to "Treasurer-State of NH"		Y N
RSA 483-B:5-b	This project qualifies for use of the Shoreland Permit by Notification form under the project type indicated in Section D. of this Notification form.		Y N

**Shoreland Water Quality Protection Act
Shoreland Impact Permit Application
US Route 302 over Sawyer River
State Project No. 16396A**

Introduction

The proposed project involves replacing the bridge that carries US Route 302 over the Sawyer River in Hart's Location, New Hampshire. The existing bridge was a 46 foot wide steel girder with concrete deck structure and had a single span of 95 feet. It was heavily damaged during the rains from Hurricane Irene on August 30, 2011. A temporary bridge has been in place since September 17, 2011. The temporary bridge is east of the damaged bridge and lies on the alignment that Route 302 formerly followed.

The bridge and roadway are in the White Mountain National Forest. The NHDOT does not hold a right of way for this bridge, and all work will be completed under a special use permit to be granted by the United States Forest Service. The project may involve minor vegetation clearing to place stabilization stone on the bank. The project is being built under a design-build contract, with the NHDOT providing conceptual plans to the design-build contractor.

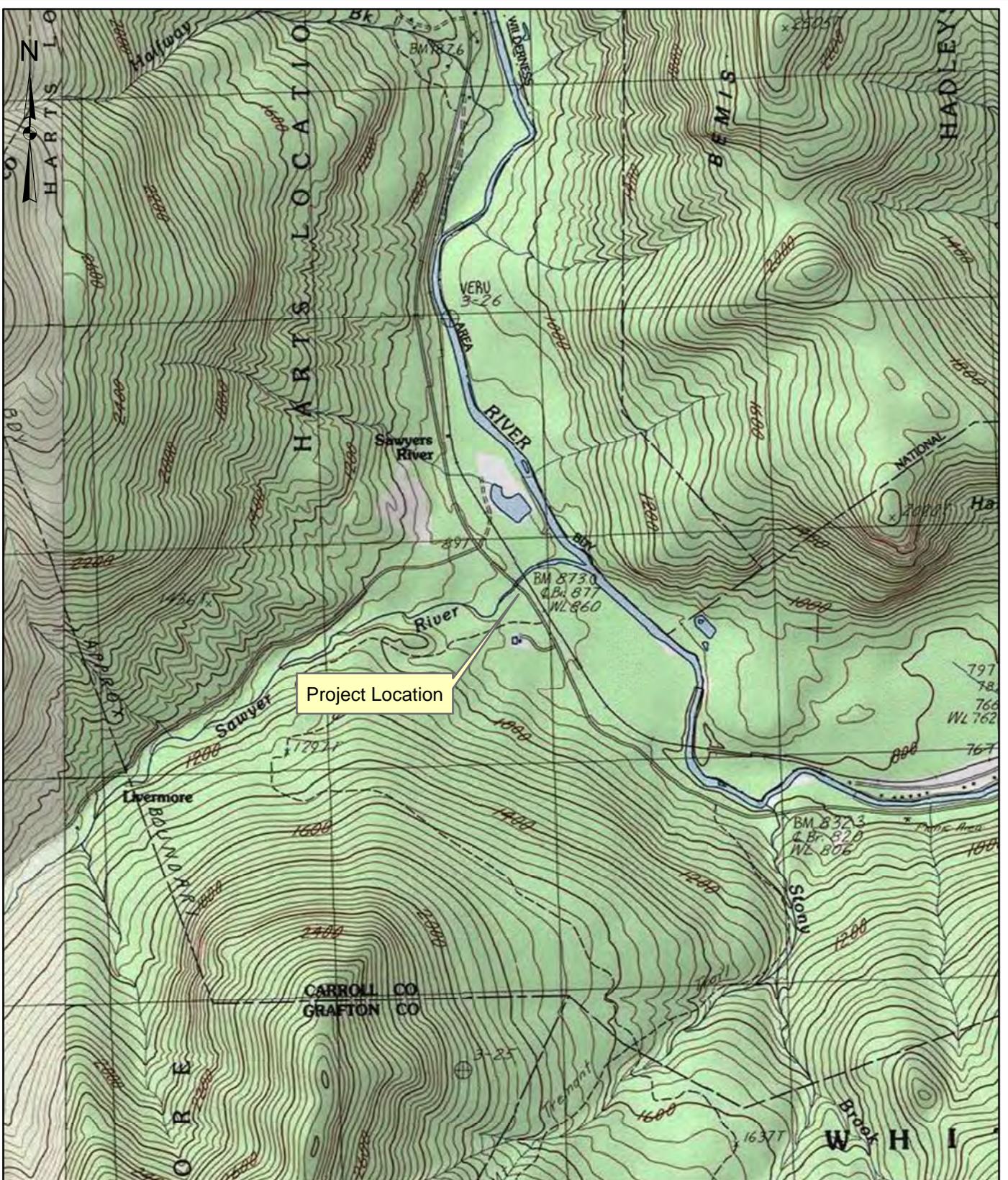
The project requires a NH Standard Dredge and Fill permit. Additional details about proposed wetland impacts may be found in the wetland application.

Description of Shoreland Impacts

The proposed project will involve 33,093 square feet of impact to NH jurisdictional protected shoreland, for removal of pavement from the temporary roadway, paving a portion of a parking lot, excavation and placement of scour stone protection, and repaving the northern approach to the bridge. The northern abutment for the proposed bridge will be in what is now the waterfront buffer, as the abutment will be relocated 40 feet north of where it currently sits.

When the proposed bridge is completed, the temporary bridge will be removed, along with portions of the paved detour road. A portion of the paved detour road will remain paved to provide a parking lot for access for trails to the east of the road. An additional area west of the temporary roadway will also be paved and striped (see Sheet 2, proposed impervious). This area was previously a paved parking lot, and the proposed condition will match the pre-September 2011 condition. The pavement and width of the bridge and approach for Route 302 will match the pre-September 2011 condition.

Disturbance within the protected shoreland will include stone stabilization to be placed around the proposed northerly abutment and along the northern bank of the Sawyer River. This area was extensively scoured during the storm, and the stone will be placed to prevent further erosion of the bank. Most of the impact lies within wetlands jurisdiction and was included on the Standard Dredge and Fill Application previously submitted.



Project Location

NHDOT 16396A

HARTS LOCATION

US ROUTE 302 OVER THE SAWYER RIVER

SCALE:

1:24,000

DATE:

FEBRUARY 2012

FIGURE:

1



McFarland Johnson



1. Aerial view of damaged bridge, temporary bridge, and railroad bridge. View East.
(Date uncertain)



2. Sawyer River, view upstream (southwest) (September 21, 2011)



3. Damaged bridge deck, view south from north bank. (September 21, 2011)



4. Bridge roadway approach after August 30 storm (September 4, 2011) Damaged pavement will be replaced.



5. Bank erosion, north bank, view upstream (September 21, 2011) proposed impacts extend approximately 10 feet into protected shoreland area. Riparian vegetation typical of the area (hemlock, white pine, beech, birch)



6. Upstream of bridge, north bank of river, showing erosion caused by the August 30 2011 storm. Bank to be protected with scour stone. Bank stabilization impacts are included in the wetland permit application.(September 21, 2011)



NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

To: Kevin Nyhan, NH Department of Transportation
PO Box 483, 7 Hazen Drive

Concord, NH 03303-0483

From: NH Natural Heritage Bureau

Date: 11/22/2011 (valid for one year from this date)

Re: Review by NH Natural Heritage Bureau of request submitted 9/6/2011

NHB File ID: NHB11-1845

Applicant: Kevin Nyhan

Location: Harts Location
US Route 302 over Sawyer River

Project Description: EMERGENCY replacement of bridge no. 235/059 (US Route 302 over Sawyer River). A temporary bridge is currently in use.

The NH Natural Heritage database has been checked by staff of the NH Natural Heritage Bureau and/or the NH Nongame and Endangered Species Program for records of rare species and exemplary natural communities near the area mapped below. The species considered include those listed as Threatened or Endangered by either the state of New Hampshire or the federal government.

It was determined that, although there was a NHB record (e.g., rare wildlife, plant, and/or natural community) present in the vicinity, we do not expect that it will be impacted by the proposed project. This determination was made based on the project information submitted via the NHB Datacheck Tool on 9/6/2011, and cannot be used for any other project.



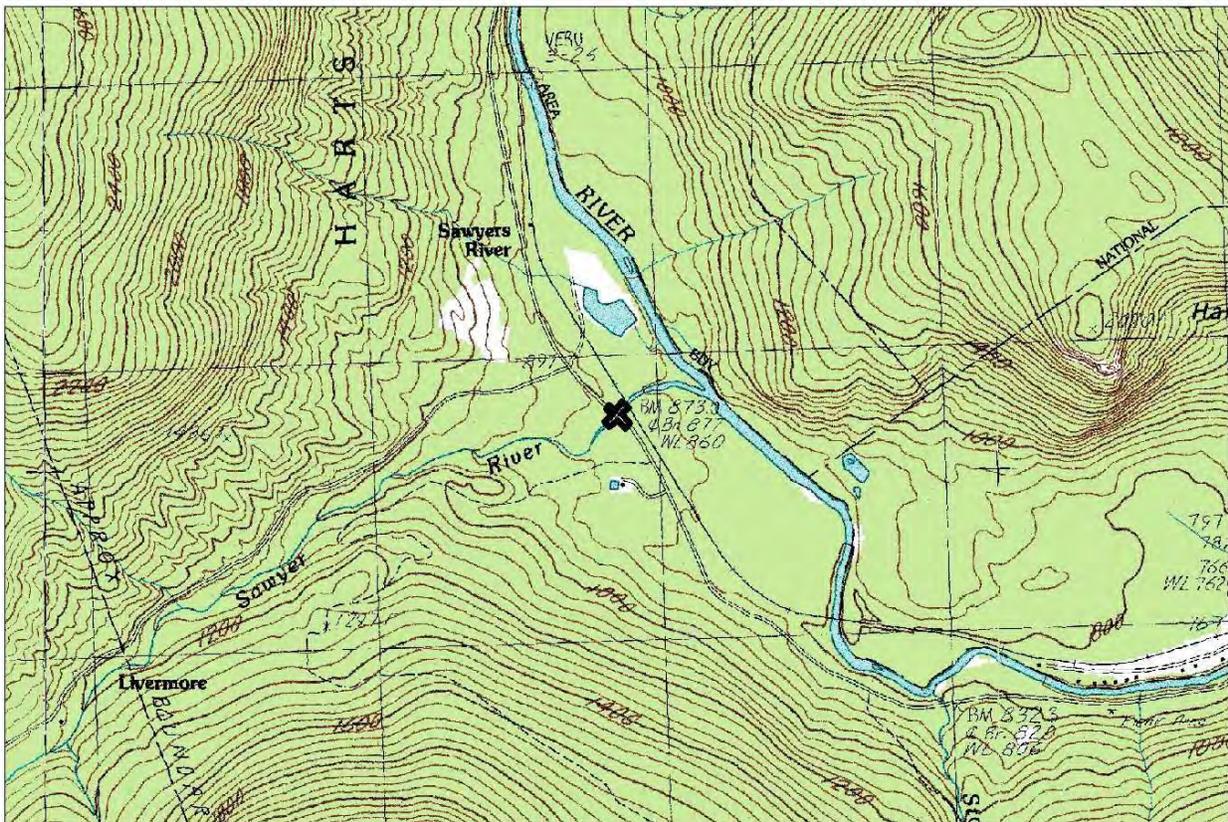
NEW HAMPSHIRE NATURAL HERITAGE BUREAU
NHB DATA CHECK RESULTS LETTER

MAP OF PROJECT BOUNDARIES FOR: **NHB11-1845**

NHB11-1845



NH NATURAL HERITAGE BUREAU



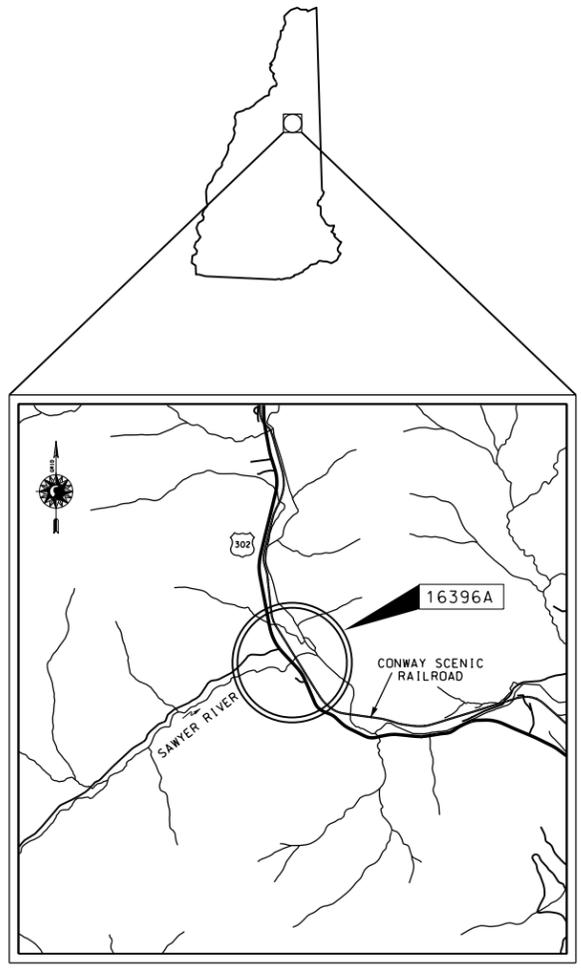
1:18000

Valid for one year from this date: 22 Nov 2011

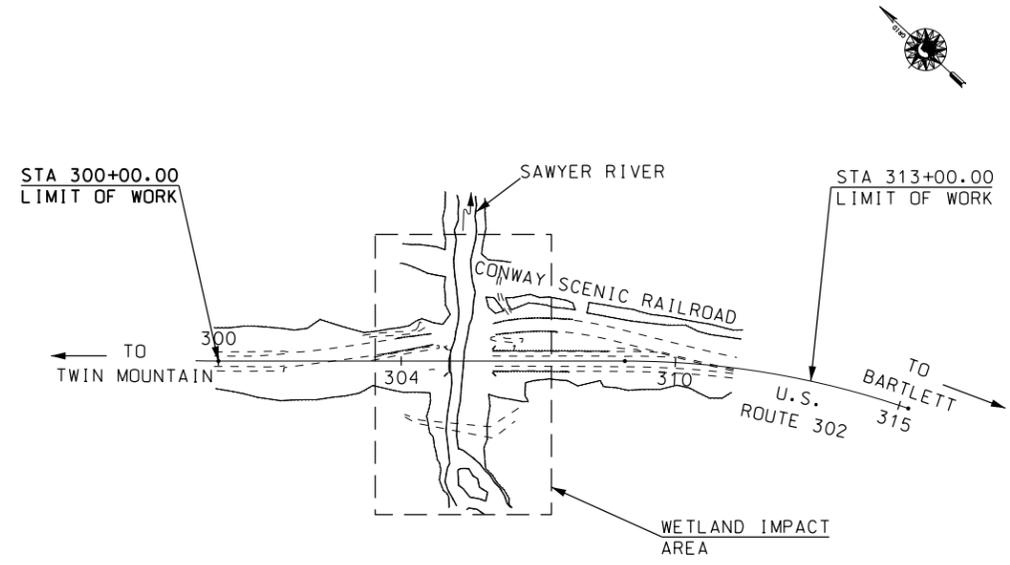
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

SHORELAND WATER QUALITY PROTECTION ACT FEDERAL AID PROJECT

N.H. PROJECT NO. 16396A
U.S. ROUTE 302 OVER SAWYER RIVER



LOCATION MAP



TOWN OF HART'S LOCATION
COUNTY OF CARROLL

SCALE: 1" = 200'

INDEX OF SHEETS

- 2 SWOPA PERMIT EXISTING IMPERVIOUS
- 3 SWOPA PERMIT PROPOSED IMPACTS
- 4 SWOPA PERMIT PROPOSED IMPERVIOUS

DRAWN BY _____ DATE _____
CHECKED BY _____ DATE _____

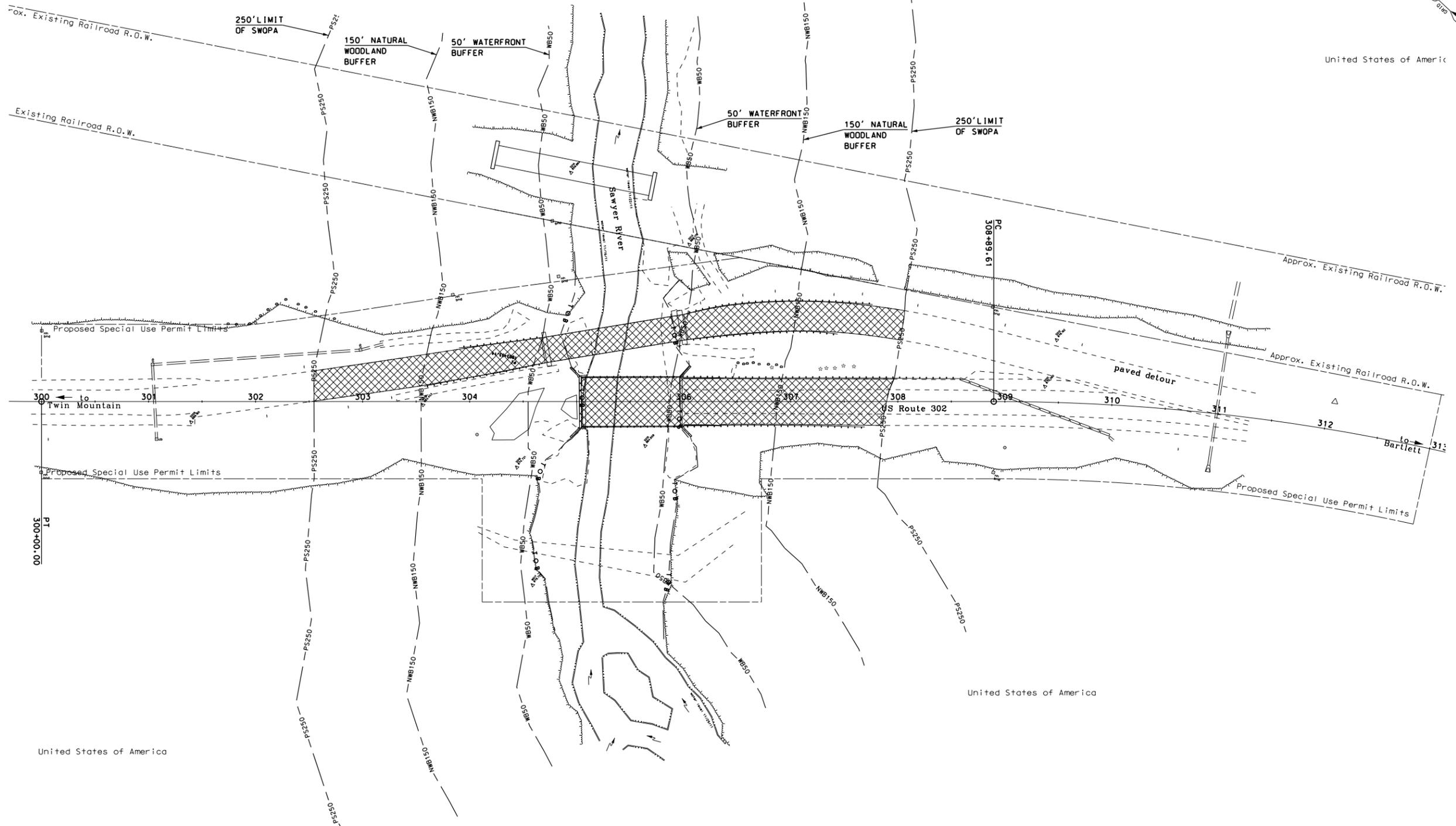
NHDOT THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION			
RECOMMENDED FOR APPROVAL:			
_____ DIRECTOR OF PROJECT DEVELOPMENT		_____ DATE	
_____ MUNICIPAL HIGHWAYS ENGINEER BUREAU OF PLANNING AND COMMUNITY ASSISTANCE		_____ DATE	
APPROVED:			
_____ ASSISTANT COMMISSIONER AND CHIEF ENGINEER		_____ DATE	
U. S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION			
APPROVED:			
_____ DIVISION ADMINISTRATOR		_____ DATE	
FEDERAL PROJECT NO. -	STATE PROJECT NO. 16396A	SHEET NO. 1	TOTAL SHEETS

FOR CONSTRUCTION DETAILS - SEE CONSTRUCTION PLANS

STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
N.H.	16396-A	2	



United States of America



United States of America

United States of America

EXISTING DETAIL	REVISIONS AFTER PROPOSAL	
	NUMBER	DESCRIPTION
DATE	STATION	
DATE	STATION	
DATE	DATE	
DATE	DATE	
PROPOSED DESIGN		
SHEET CHECKED		
AS BUILT DETAILS		

NOTEBOOKS	
BOOK	PAGE
BOOK	PAGE

LEGEND

- = DELINEATED WETLAND
- = ORDINARY HIGH WATER
- = EXISTING IMPERVIOUS AREA WITHIN PROTECTED SHORELAND AND PROJECT LIMITS

NOTE:
 1. TOTAL EXISTING IMPERVIOUS WITHIN PROTECTED SHORELAND = 27437 SF

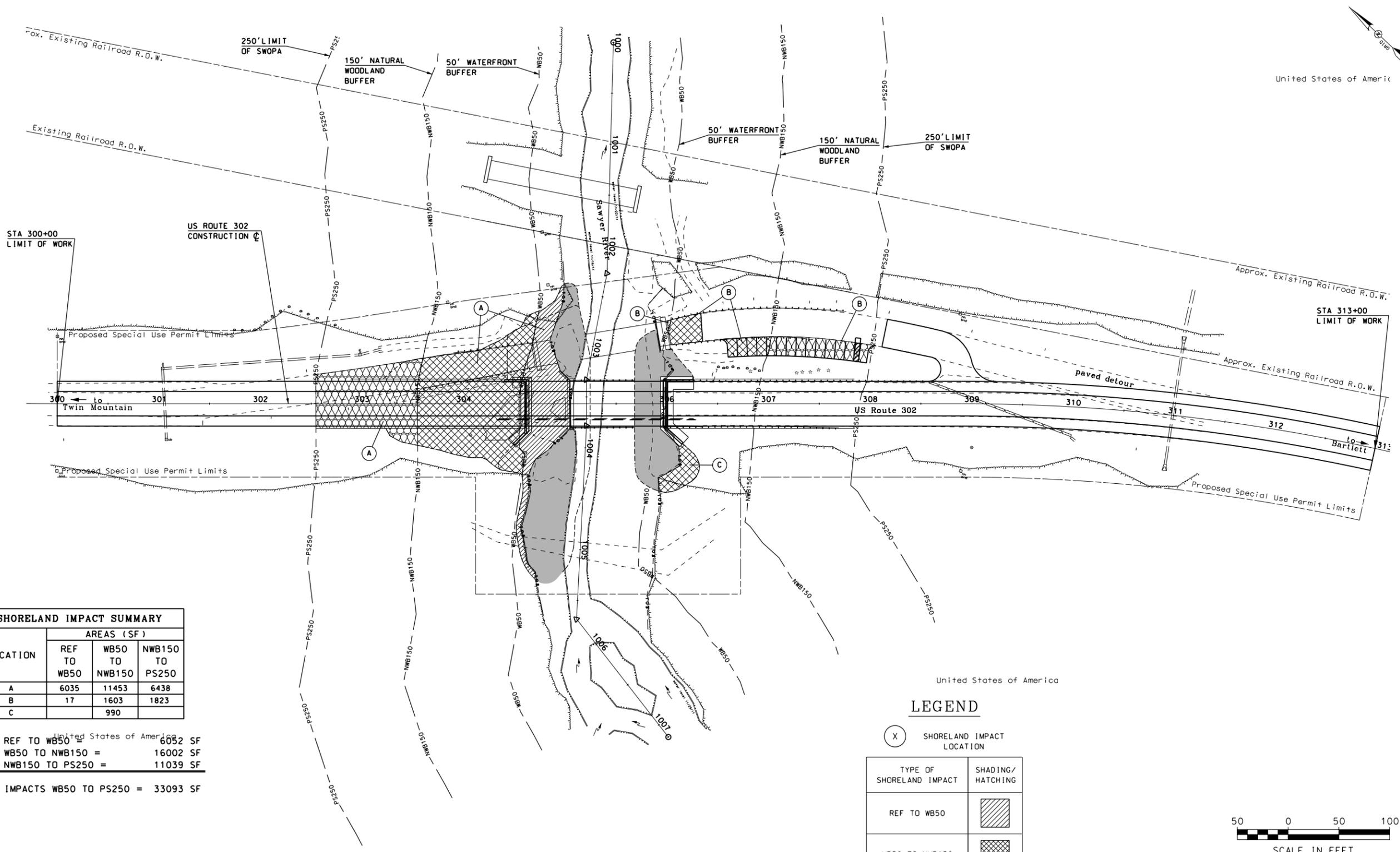


STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION		BUREAU OF HIGHWAY DESIGN	
SWQPA PERMIT EXISTING IMPERVIOUS			
FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
	16396A	2	

EXISTING DETAIL	DATE	DATE	DATE	DATE
	PROPOSED DESIGN	SHEET CHECKED	AS BUILT DETAILS	
NOTEBOOKS	BOOK	PAGE	BOOK	PAGE
REVISIONS AFTER PROPOSAL	NUMBER	DATE	STATION	DESCRIPTION

SHORELAND IMPACT SUMMARY			
LOCATION	AREAS (SF)		
	REF TO WB50	WB50 TO NWB150	NWB150 TO PS250
A	6035	11453	6438
B	17	1603	1823
C		990	

TOTAL REF TO WB50 = 6052 SF
 TOTAL WB50 TO NWB150 = 16002 SF
 TOTAL NWB150 TO PS250 = 11039 SF
 TOTAL IMPACTS WB50 TO PS250 = 33093 SF



LEGEND

(X) SHORELAND IMPACT LOCATION

TYPE OF SHORELAND IMPACT	SHADING/HATCHING
REF TO WB50	[Diagonal Hatching]
WB50 TO NWB150	[Cross Hatching]
NWB150 TO PS250	[Stippled Hatching]
WETLANDS JURISDICTION IMPACT	[Solid Grey]



STATE OF NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

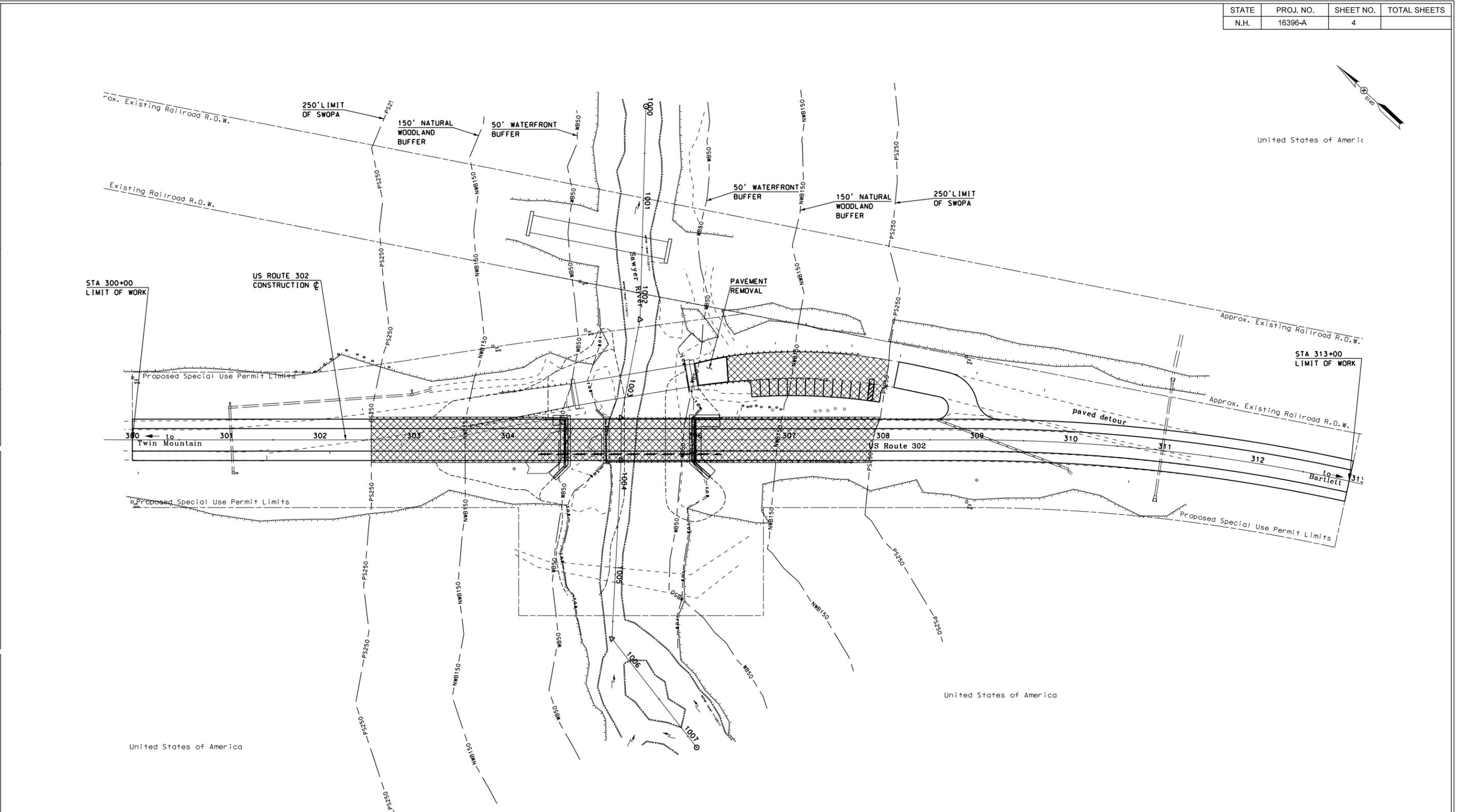
**SWQPA PERMIT
PROPOSED IMPACTS**

FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
	16396A	3	

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION

NUMBER	DATE	STATION

EXISTING DETAIL	DATE
PROPOSED DESIGN	
SHEET CHECKED	
AS BUILT DETAILS	



LEGEND

- = DELINEATED WETLAND
- = ORDINARY HIGH WATER
- = PROPOSED IMPERVIOUS AREA WITHIN PROTECTED SHORELAND AND PROJECT LIMITS

NOTE:
 1. TOTAL PROPOSED IMPERVIOUS WITHIN PROTECTED SHORELAND = 32499 SF



STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION		BUREAU OF HIGHWAY DESIGN	
SWQPA PERMIT			
PROPOSED IMPERVIOUS			
FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
	16396A	4	