STATE OF NEW HAMPSHIRE INTER-DEPARTMENT COMMUNICATION

DATE: October 30, 2023

FROM: Joshua Brown

Wetlands Program Analyst

AT (OFFICE): Department of Transportation

SUBJECT Shoreland Permit-by-Notification

Auburn, 44167

Bureau of Environment

TO Calvin Deissner, Shoreland Permitting

New Hampshire Wetlands Bureau 29 Hazen Drive, P.O. Box 95 Concord, NH 03302-0095

Forwarded herewith is the application package prepared by NH DOT Bureau of Highway Design for the subject Shoreland Permit-by-Notification. The project will replace a 41' long 5' diameter corrugated metal pipe culvert in poor condition carrying a unnamed stream under NH Route 121 in the Town of Auburn, NH with a 9'X5' box culvert. No net change in impervious area is proposed. Incidental works includes resetting the guardrail, pavement restoration, and grading to match the stream channel through the culvert. A wetlands standard dredge and fill application for this project was submitted to NHDES on October 18th, 2023.

This project was reviewed at the Natural Resource Agency Coordination Meeting on June 21, 2023. A copy of the minutes has been included with this application package. A copy of this application and plans can be accessed on the Departments website via the following link: https://www.dot.nh.gov/projects-plans-and-programs/programs/environmental-management-system/project-management-section-0

Erosion Control Plans contained within this application should be considered final in accordance with Env-Wt 527.05(a).

The lead people to contact for this project are Kirk Mudgett, Bureau of Highway Design (271-1598 or Kirk.O.Mudgett@dot.nh.gov) or Andrew O'Sullivan, Wetlands Program Manager, Bureau of Environment (271-3226 or Andrew.O'Sullivan@dot.nh.gov).

A payment voucher has been processed for this application (Voucher #734490) in the amount of \$400.00.

If and when this application meets with the approval of the Bureau, please send the permit directly to Andrew O'Sullivan, Wetlands Program Manager, Bureau of Environment.

JRB;

CC:

BOE Original
Town of Auburn (4 copies via certified mail)
Marika Labash, NH Division of Historic Resources (Cultural
Review Within)

Mike Dionne & Kevin Newton, NH Fish & Game (via electronic notification)
Kevin Nyhan, BOE (via electronic notification)



SHORELAND PERMIT BY NOTIFICATION (PBN) NOTIFICATION FORM



Water Division/Land Resources Management Shoreland Program

Check the Status of your PBN

PBN Accepted, Expires:

RSA/Rule: RSA 483-B/Env-Wq 1400

	1								
Administrative	Administra	ative	PBN Rejected	Reviewer'	s Initials:				
Use Only	Use Only	F	ile No.:	Admin's In	itials:				
		С	heck No.:	Amount:	Amount:				
This form requests authorization to excavate, fill, or construct new structures within the protected shoreland, which is 250 feet landward of the reference line of public waters, as regulated under RSA 483-B. Refer to the cover sheet to determine your eligibility to use this form in lieu of the standard Shoreland Permit Application. Please note: Notification packages missing required components will be rejected and the fee will not be returned.									
SECTION 1 - PROPERTY OWNER (RSA 483-B:5-b; Env-Wq 1406.17)									
LAST NAME, FIRST NAME, M.I.: NH Dept. of Transportation									
MAILING ADDRESS: PO Box 483		TOWN/ CITY:	Concord	STATE: NH	ZIP CODE: 03303				
PHONE: 603-271-1598		EMAIL: kirk.o.mudget.dot.nh.gov							
SECTION 2 - PROJECT LOCATION (RSA 483-B:5-b; Env-Wq 1406.17)									
ADDRESS: NH121		TOWN/ CITY:	Auburn	STATE: NH	ZIP CODE: 03032				
WATERBODY NAME: Massabe	TAX MAP/ LOT: Map: 23 (Within State ROW)								
SECTION 3 - CONTRACTOR OR AGENT (Env-Wq 1406.17)									
LAST NAME, FIRST NAME, M.I	: N/A								
MAILING ADDRESS:		TOWN/ CITY:		STATE:	ZIP CODE:				
PHONE:		EMAIL:							
SECTION 4 - PROJECT DESCRI	PTION (Env-Wq 14	106.17)							
Provide a brief description of the proposed project including square footage of impacts and dimensions of new structures.									
The project will replace a 41' long 5' diameter corrugated metal pipe culvert in poor condition carrying a unnamed stream under NH Route 121 in the Town of Auburn with a 9'X5' box culvert. No net change in impervious area is proposed. Incidental works includes resetting the guardrail, pavement restoration, and grading to match the stream channel through the culvert.									
TOTAL SQUARE FEET OF IMPACT: 10,665 TOTAL SQUARE FEET OF NET CHANGE IN IMPERVIOUS AREA: 0									
Total impact area is determined by the sum of all areas disturbed by excavation, fill, and construction. Examples									

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include, but are not limited to: constructing new driveways, constructing new structures, removing or replacing

structure foundations, grading, and installing a new septic system or well.

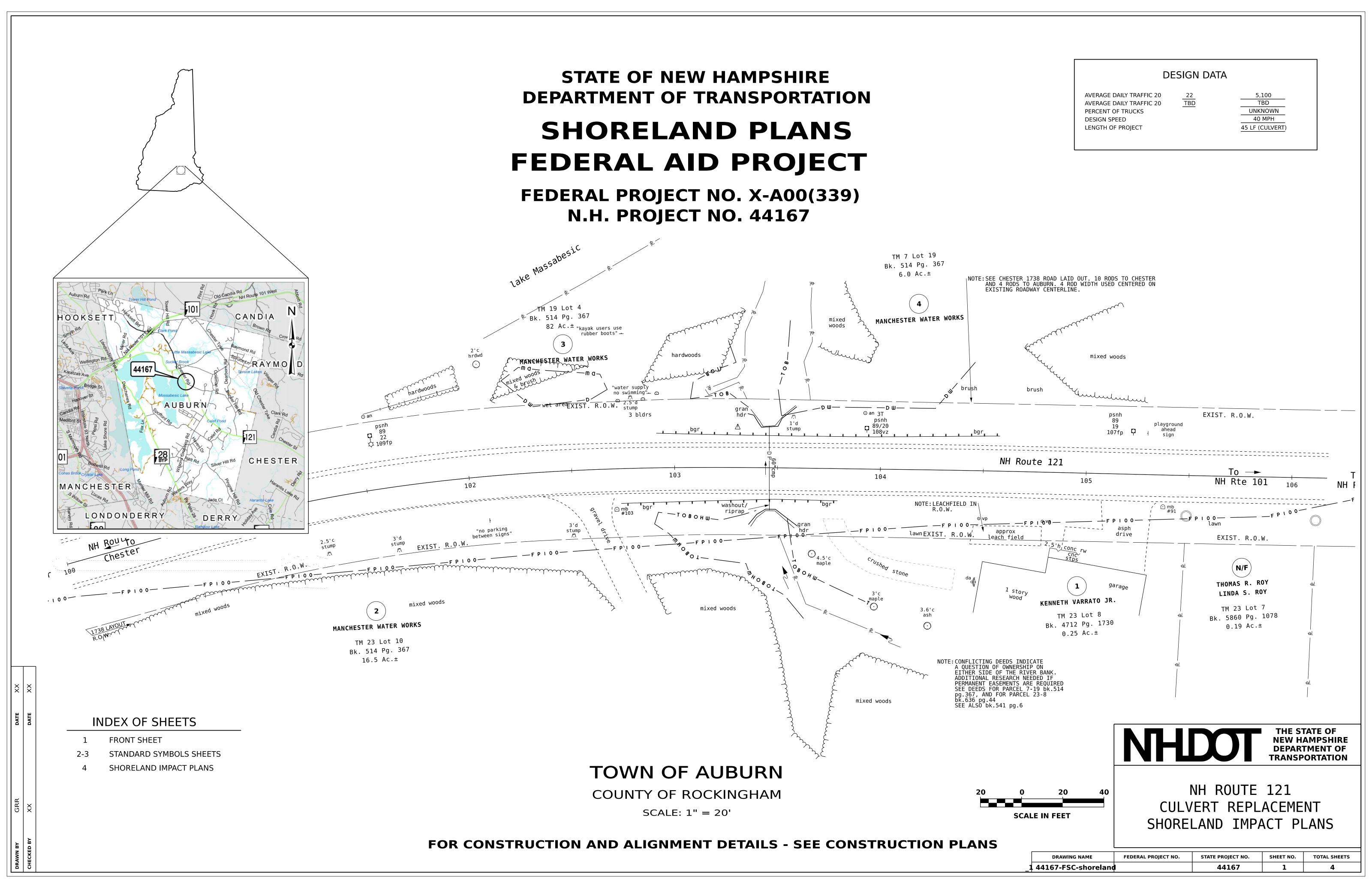
SECTION 5 - PBN CRITERIA (RSA 483-B:5-b; Env-Wq 1406.05) Check one of the following project type criteria.					
1. This project impacts less than 1,500 square feet in total, with a net increase in impervious area, if any, of no more than 900 square feet. PBN Impact Limit: 1,500 square feet/ Fee: \$400.					
2. This project is proposed for the purpose of stormwater management improvements, erosion control, or environmental restoration or enhancement. <i>PBN Impact Limit: None/ Fee: \$200.</i>					
3. The project is for the maintenance, repair, and improvement of public utilities, public roads, and public access facilities. PBN Impact Limit: None/ Fee: \$400.					
4. The project consists of geotechnical borings, test wells, drinking water wells or is a site remediation project and meets the requirements of Env-Wq 1406.05. PBN Impact Limit: None / Fee: \$400.					
SECTION	6 - FEE (RSA	483-B:5-b; Env-Wq 1406.16)			
Consult Section 5 to determine fee. Make checks and money orders payable to "Treasurer - State of NH". Undated checks cannot be accepted. TOTAL FEE: \$400					
SECTION	7 - PHOTOS	(RSA 483-B:5-b; Env-Wq 1406.16)			
□ Date	d photograp	hs of each area proposed to be impacted are required for all projects.			
SECTION 8 - PLAN REQUIREMENTS (RSA 483-B:5-b; Env-Wq 1406.16) Check YES or NO to all statements, and review the applicable plan requirements. If your plans do not include the information that is required, your notification will be rejected.					
YES	Required for all projects: A clear and detailed plan of work depicting, at a minimum, all impact areas, the <u>reference line</u> , and property lines. Plans that are not to scale must show all relevant dimensions and distances from the reference line and dimensions.				
YES NO	This project proposes an increase in <u>impervious</u> (i.e. non-permeable) area. Plans must include the dimensions and locations of all existing and proposed impervious surfaces on the lot that are within 250 feet of the reference line. Decks are typically considered impervious.				
YES NO	< 20%	This project proposes an increase in impervious area, and the total post-construction impervious area on the lot within 250 feet of the reference line will not exceed 20%.			
☐ YES ⊠ NO	This project proposes an increase in impervious area such that the total impervious area of to lot within 250 feet of the reference line will be greater than 20% but less than 30%. Plans me include a stormwater management system that will infiltrate increased stormwater runoff for development per RSA 483-B:9, V(g)(2) and in accordance with Env-Wq 1500.				
YES NO	This project proposes an increase in impervious area such that the total impervious area on the lot within 250 feet of the reference line will be greater than 30%. Plans must include a stormwater management system designed and certified by a professional engineer to account for all new development, and plans must demonstrate how the vegetation point score is met per RSA 483-B:9, V(g)(1,3).				
YES NO	This project proposes impacts within 50 feet of the reference line. Plans and photos must show each area of the waterfront buffer that will be impacted, including groundcover, and calculate the tree and sapling point scores in accordance with the Vegetation Management Fact Sheet.				
∑ YES □ NO	This project proposes impacts between 50 and 150 feet of the reference line. Plans must depict the 25% area of the woodland buffer to be designated and maintained as natural woodland. See the <u>Vegetation</u> Management Fact Sheet.				

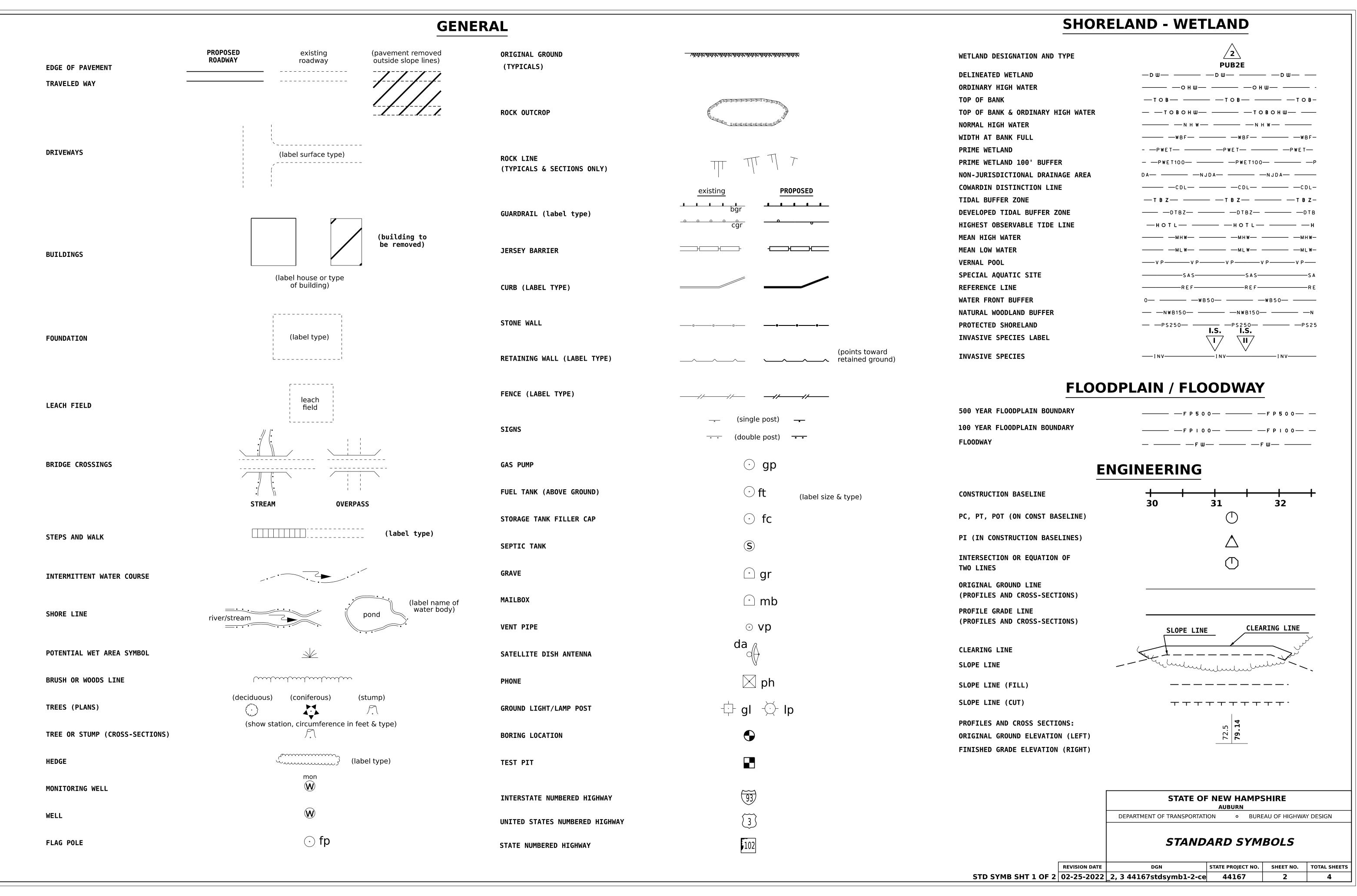
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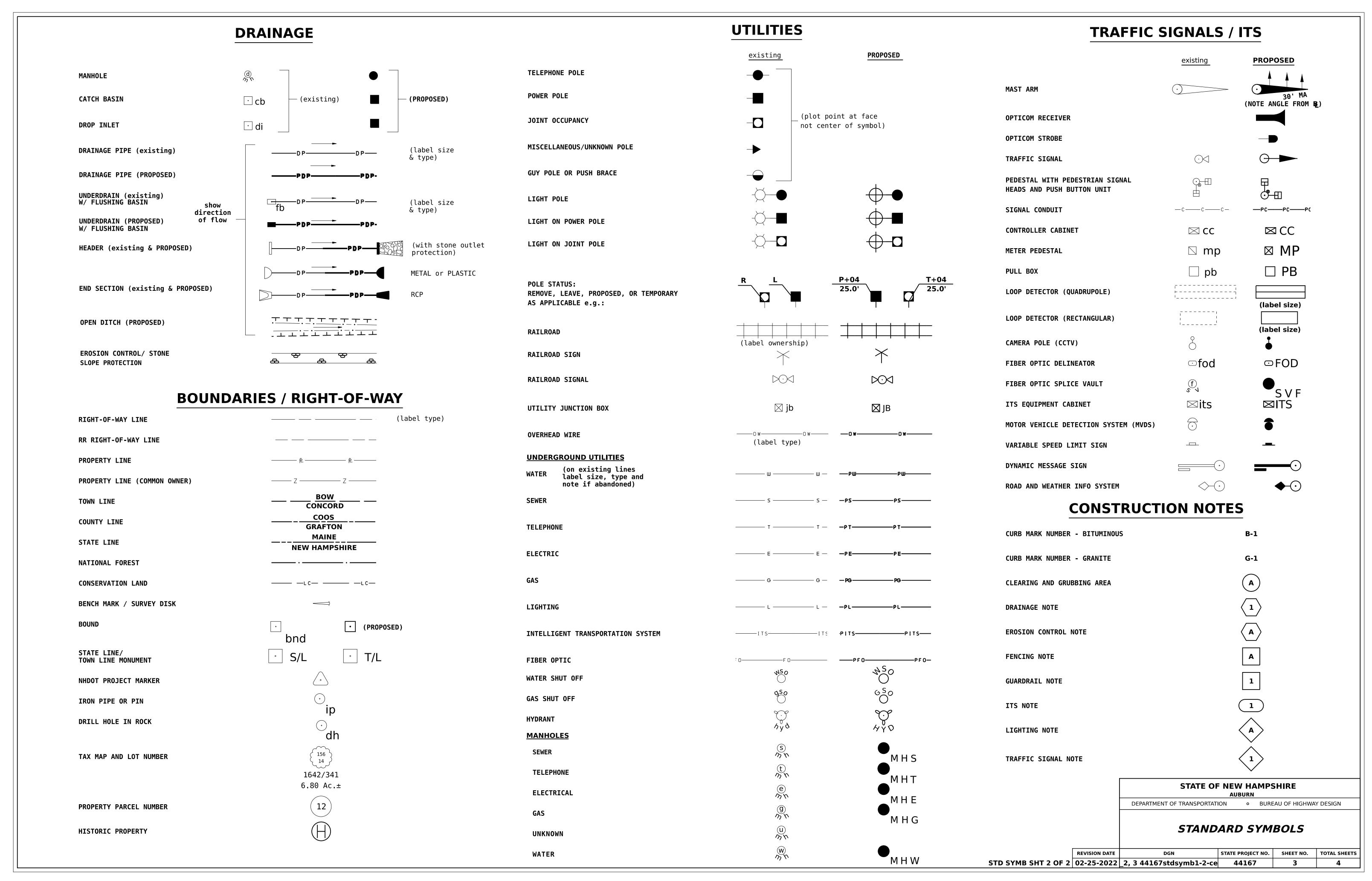
YES NO								
☐ YES ⊠ NO	This project proposes a pervious (i.e. permeable) surface technology. Plans must include the location and type of the surface and a cross-section depicting the construction method, materials, and specifications as							
	SECTION 9 - CONDITIONS (Env-Wq 1406.20; RSA 483-B:9, V, (d)) Initial each of the required conditions below.							
The The 1- Erosion and siltation control measures shall: be installed prior to the start of work; be maintained throughout the project; and remain in place until all disturbed surfaces are stabilized.								
Resultance of the project and to the physical characteristics of the site, including slope, soil type, vegetative cover, and proximity to wetlands or surface waters.								
Real Mark 3. 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.								
Ker Mushe4	. Any fill used shall be clean sand, gravel, i	rock, or other suitable material.						
For any project where mechanized equipment will be used, orange construction fence shall: be installed prior to the start of work at the limits of the temporary impact area as shown on the plans approved as part of a permit or accepted as part of the permit by notification; be maintained throughout the project; and remain in place until all mechanized equipment has been removed from the site.								
	10 - CERTIFICATIONS (Env-Wq 1406.18) ch of the required certifications below.							
	. The property owner shall sign the notific	ation form helow						
2. The signature(s) shall constitute certification that: the information provided is true, complete, and not misleading to the knowledge and belief of the signer; the signer understands that any permit by notification obtained based on false, incomplete, or misleading information is not valid; the project as proposed complies with the minimum standards established in RSA 483-B:9, V and will be constructed in strict accordance with the proposal; the signer accepts the responsibility for understanding and maintaining compliance with RSA 483-B and these rules; the signer understands that an accepted shoreland permit by notification shall not exempt the work proposed from other state, local, or federal approvals; the signer understands that incomplete notifications shall be rejected and the notification fee shall not be returned; and the signer is subject to the applicable penalties in RSA 641, Falsification In Official Matters.								
3. The signature of the property owner certifies that the property owner has authorized the agent to act on the property owner's behalf for purposes of the notification. (Not Applicable)								
SECTION 11 - REQUIRED SIGNATURE (RSA 483-B:5-b; Env-Wq 1406.18)								
SIGNATU	RE (OWNER):	PRINT NAME LEGIBLY:	DATE:					
SIGNATU	RE (AGENT, IF APPLICABLE):	PRINT NAME LEGIBLY: N/A Kirk Mudgett	DATE: N/A 10/25/23					

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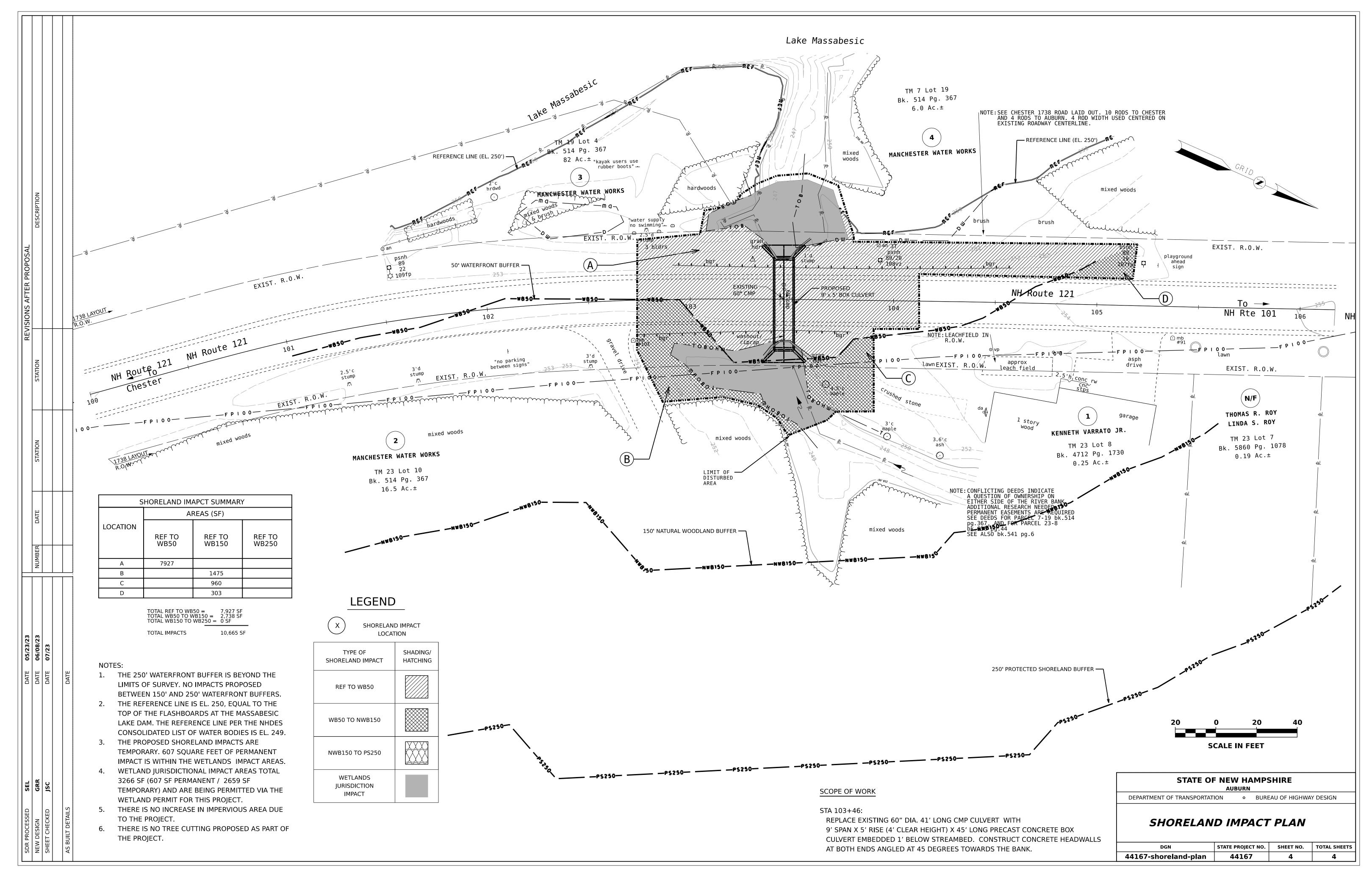




Photo 1: Culvert Outlet (3/24/23) J. Commerford



Photo 2: Culvert Outlet from Massabesic Lake (4/7/23) R. Thomson



Photo 3: Looking towards Massabesic Lake from Culvert (4/7/23) R. Thomson



Photo 4: Looking towards Massabesic Lake from shore (3/24/23) J. Commerford



Photo 5: Culvert Inlet (3/24/23) J. Commerford



Photo 6: Looking at the Culvert Inlet from Upstream (4/7/23) R. Thomson



Photo 7: From Culvert inlet looking upstream towards right bank (4/7/23) R. Thomson



Photo 8: Upstream channel from Culvert (4/7/23) R. Thomson



Photo 9: Looking Downstream towards the Culvert (4/7/23) R. Thomson



Photo 10: Looking North along Roadway (date unknown) Google Streetview

Auburn, 44167



Photo 11: Looking South along Roadway (date unknown) Google Streetview