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Attachment D – Declaration of Covenants, Conditions and Restrictions

Attachment E – Agency Letters STREAM CROSSING

Attachment F – FEMA Map

Attachment G – Stormwater Management Report

Attachment H – Technical Capacity

Attachment I – Cost Estimate and Financial Capacity

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Figure 1

Subdivision Plat

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C-101 Overall Site Layout Plan

C-102 Grading and Erosion Control Plan

C-200 Plan and Profile 1

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D-101 Proposed Stormwater Plan

DEPARTMENT OF ENVIRONMENTAL PROTECTION PERMIT BY RULE NOTIFICATION FORM

(For use with DEP Regulation, Natural Resources Protection Act - Permit by Rule Standards, Chapter 305)

APPLICANT INFORMATION (Owner)		AGENT INFORMATION (If Applying on Behalf of Owner)						
Name:			Name:	1) 11011 (1	. Applying on	Bonan or owner,		
Mailing Address:					Mailing Address:			
Mailing Address:					Mailing Address:			
Town/State/Zip:					Town/State/Zip:			
Daytime Phone #:			Ext:		Daytime Phone #:			Ext:
Email Address:					Email Address:			ZX.
	I		PRO	JFCT	INFORMATION			
Part of a larger project? (check 1):	☐ Yes ☐ No	After the Fact? (check 1):	☐ Yes ☐ No	Projec	et involves work below low water? (check 1):	☐ Yes ☐ No	Name of waterbody:	
Project Town:			Town Email Address:				Map and Lot Number:	
Brief Project Description:								
Project Location & Brief Directions to Site:								
PERMIT BY RULE ments for Permit-by standards in the Se	y-Rule (PBI	R) under DEP R	at least one ules, <u>Chapte</u>	e): I ar <u>r 305</u> .	m filing notice of my in I and my agent(s), if	ntent to carr any, <u>have re</u>	ry out work that ead and will co	meets the require- mply with all of the
□ Sec. (3) Intake Pipes □ Sec. (10) Stream Crossing □ Sec. (17) Transfer/Permit Extension □ Sec. (4) Replacement of Structures □ Sec. (11) State Transportation Facilities □ Sec. (18) Maintenance Dredging □ Sec. (6) Movement of Rocks or Veg. □ Sec. (12) Restoration of Natural Areas □ Sec. (19) Act. Near SVP Habitat □ Sec. (7) Outfall Pipes □ Sec. (13) F&W Creat./Water Qual. Improv. □ Sec. (20) Act. Near Waterfowl/Bird Habitat □ Sec. (8) Shoreline Stabilization □ Sec. (15) Public Boat Ramps								
								rmits may be required Office for information.
	_							
NOTIFICATION FORMS CANNOT BE ACCEPTED WITHOUT THE NECESSARY ATTACHMENTS AND FEE Attach all required submissions for the PBR Section(s) checked above. The required submissions for each PBR Section are outlined in Chapter 305 and may differ depending on the Section you are submitting under.								
	-	-	•	_	•		•	nilar)
 Attach Proof of Legal Name if applicant is a corporation, LLC, or other legal entity. Provide a copy of Secretary of State's registration information (available at http://icrs.informe.org/nei-sos-icrs/ICRS?MainPage=x). Individuals and municipalities are not required to provide any proof of identity. 								
FEE: Pay by credit of and is currently \$26		Payment Portal.	The Permit-	by-Rul	e fee may be found h	nere <u>https://</u> v	www.maine.go\	//dep/feeschedule.pdf
☐ <i>Attach</i> pay	ment con	firmation from t	he Payment	Porta	l when filing this no	otification fo	orm.	
Signature & Certif	ication:							
 I authorize staff of the Departments of Environmental Protection, Inland Fisheries & Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules. 								
• I understand that this PBR becomes effective 14 calendar days after receipt by the Department of this completed form, the required submissions, and fee, <i>unless the Department approves or denies the PBR prior to that date.</i>								
					meets all applicabi			
Signature of Ager Applicant (may be			-			Date:	-	

Keep a copy as a record of permit. Email this completed form with attachments to DEP at: DEP.PBRNotification@maine.gov.

DEP will send a copy to the Town Office as evidence of DEP's receipt of notification. No further authorization will be issued by DEP after receipt of notice. A PBR is valid for two years, except Section 4, "Replacement of Structures," are valid for three years. Work carried out in violation of the Natural Resources Protection Act or any provision in Chapter 305 is subject to enforcement.

PROJECT NARRATIVE

The following application is for a stream crossing associated with a thirteen-lot subdivision off Hallowell Road. The stream is thirty inches wide at the proposed crossing location (See Photo 1). We are proposing a 60" spanning arch culvert . We have sized the stream to handle a 100 -year storm . The subcatchment feeding the proposed crossing is primarily wooded and highly draining soils.

Attached to this application is a Site Location Figure (Attachment A), Site Photos (Attachment B), and culvert sizing calculations (Attachment C).

ATTACHMENT A

NORTH POWNAL, ME 2021



ATTACHMENT B



Photo 1- View of the proposed crossing location.

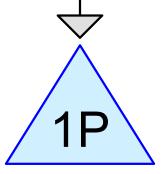


Photo 2- View of the bank opposite the crossing. Bank will be cut down slightly to minimize the fill/footprint of the crossing.

ATTACHMENT C



Crossing SC



Culvert









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Crossing Model
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Area Listing (all nodes)

Are	a CN	Description
(acres	5)	(subcatchment-numbers)
81.06	4 30	Woods, Good, HSG A (1S)
81.06	4 30	TOTAL AREA

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Summary for Subcatchment 1S: Crossing SC

Runoff 1.92 cfs @ 13.85 hrs, Volume= 1.306 af, Depth> 0.19"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.10 hrs Type II 24-hr 100-Year Rainfall=6.94"

	Α	rea (sf)	CN E	Description		
	3,5	31,152	30 V	Voods, Go	od, HSG A	
	3,5	531,152 100.00% Pervious Area		ervious Are	а	
	Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
	22.0	100	0.0200	0.08		Sheet Flow, First 100 Feet
	18.3	936	0.0290	0.85		Woods: Light underbrush n= 0.400 P2= 3.04" Shallow Concentrated Flow, Shallow Concentrated Woodland Kv= 5.0 fps
	4.8	2,774	0.0210	9.73	116.72	Channel Flow, Stream
_						Area= 12.0 sf Perim= 10.0' r= 1.20' n= 0.025 Earth, clean & winding
	45.1	3,810	Total			

Summary for Pond 1P: Culvert

81.064 ac, 0.00% Impervious, Inflow Depth > 0.19" Inflow Area = for 100-Year event

Inflow 1.92 cfs @ 13.85 hrs, Volume= 1.306 af

Outflow 1.91 cfs @ 14.04 hrs, Volume= 1.294 af, Atten= 1%, Lag= 11.2 min

Primary 1.91 cfs @ 14.04 hrs, Volume= 1.294 af

Routing by Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.10 hrs Peak Elev= 162.33' @ 14.04 hrs Surf.Area= 5,036 sf Storage= 1,011 cf

Plug-Flow detention time= 8.6 min calculated for 1.288 af (99% of inflow)

Center-of-Mass det. time= 5.0 min (1,071.1 - 1,066.1)

Volume	Inve	ert Avail.St	orage S	Storage De	escription	
#1	162.0	0' 175,1	51 cf (Custom S	tage Data (Prisma	atic) Listed below (Recalc)
Elevation	on	Surf.Area	Inc.S	Store	Cum.Store	
(fee	et)	(sq-ft)	(cubic-	feet)	(cubic-feet)	
162.0	00	1,123		0	0	
164.0	00	24,963	26	,086	26,086	
166.0	00	124,102	149	,065	175,151	
Device	Routing	Invert	Outlet	Devices		
#1	Primary	162.00	60. 0 "	W x 36.0"	H Arch Culvert	<u> </u>

60.0" W x 36.0" H Arch Culvert L= 40.0' CMP, projecting, no headwall, Ke= 0.900 Inlet / Outlet Invert= 162.00' / 161.50' S= 0.0125 '/' Cc= 0.900 n= 0.020 Corrugated PE, corrugated interior, Flow Area= 8.00 sf **Crossing Model**

Type II 24-hr 100-Year Rainfall=6.94"

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Primary OutFlow Max=1.91 cfs @ 14.04 hrs HW=162.33' (Free Discharge)
—1=Box Culvert (Inlet Controls 1.91 cfs @ 1.45 fps)