

LAKE WINNIPESAUKEE

Scale
1" = 455'



During the winter, the lake ice damaged the existing submarine cable feeding from property on Allen Road in Tuftonboro out to the most Easterly of the two Twin Islands. The entire run of cable needs to be replaced, starting at NHEC pole 16503.2/7 on the Pavaglio Trust property (Tuftonboro Tax map 2, Lot 66).

The run of cable will come underground in a trench approximately 36"-40" deep from the pole for a run of about 98 feet in conduit to the shore and then extend under Lake Winnepesaukee in conduit and with concrete covers over it until it can lay on the bottom of the lake with 6 feet of water over it. At that point it will run along the bottom of the lake for about 1700 feet until it approaches Twin Island. At that point, it will again be sleeved in conduit with concrete covers as placed needed and come into an underground vault 16503.2/7.1 on the Northeastern end of the island to serve two existing meters on a post.

The submarine cable un-reeled from a barge. The disturbed area will be re-vegetated and any displaced rocks will be replaced

Refeed to Twin Islands

Exhibit A

LENA ALLEN of TUFTON BORO,
 State of NEW HAMPSHIRE: (Unmarried) (Husband and Wife) for consideration
 paid, grant to the New Hampshire Electric Cooperative, Inc., a New Hampshire corporation and
 the TUFTON BORO Telephone Company, a NEW HAMPSHIRE corporation,
 their respective successors and assign forever, with warranty covenants, the RIGHT and EASEMENT to
 construct, repair, operate, maintain, patrol, replace and remove overhead and underground lines, consisting
 of wires, cables, ducts, poles and other apparatus necessary for the transmission and distribution of elec-
 tricity and/or telephone service on, over and under my/our land in the city/town of TUFTON BORO,....
 MELVIN VILLAGE, County of CARROLL, New Hampshire.
 more particularly described as follows:

Land on the SOUTH side of 109, bounded northerly by
 land of 109, southerly by land of LANE, WINDY, PERRIN, easterly
 by land of DAVID LADD, and westerly by land of Robie, T. B. BEL;

copy
 CARROLL COUNTY REGISTRY

RECEIVED 9AM. July 8, 1974

Frey Beale

16505.1
 2

This conveyance shall include the right to clear and keep clear a right-of-way of all trees and under-
 brush by such means as the grantees may select.

The location of said right-of-way shall be determined by mutual consent and become permanent upon
 the installation of said lines.

The width of the right-of-way clearing shall not exceed feet. Necessary guy wires
 and anchors may be located beyond the cleared area.

The grantor shall continue to enjoy use of the property for any purposes not adverse to the grantee's
 rights. Planting of trees, building of structures or storage of lumber and/or other materials within the
 granted right-of-way shall not be undertaken without the grantee's knowledge and consent. The grantee
 agrees to make reasonable modification of the lines within the grantor's property at the grantor's expense to
 accommodate future needs of the grantor in the use of his property.

The grantor (s) release to the grantee (s) all rights and dower/curtesy, homestead and other interests
 in the rights and easements hereby conveyed.

Witness my/our hand (s) and seal (s) this 11th day of July, 1973

WITNESSES:

Margaret C. Bradley

GRANTORS SIGNATURES:

Lena Allen



STATE OF NEW HAMPSHIRE

County of Carroll

On this 11th day of July, 1973, before me the undersigned officer, personally appeared Lena Allen
 known to me (or satisfactorily proven) to be the person(s) whose name(s) subscribed to the
 within instrument and acknowledged that he executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

Exhibit B

Mary B. Craig

Notary Public - Justice of the Peace

My commission expires 6.1.1978

I/we Benjamin F. Hart and Lily D. Hart of Moultonboro
 State of New Hampshire (Unmarried) (Husband and Wife) for consideration
 paid, grant to the New Hampshire Electric Cooperative, Inc., a New Hampshire corporation and
 the Taft-Hart Telephone Company, a New Hampshire corporation,
 their respective successors and assigns forever, with warranty covenants, the RIGHT and EASEMENT to
 construct, repair, operate, maintain, patrol, replace and remove overhead and underground lines, consisting
 of wires, cables, ducts, poles and other apparatus necessary for the transmission and distribution of elec-
 tricity and/or telephone service on, over and under my/our land in the city/town of
Moultonboro, County of Carroll, New Hampshire,
 more particularly described as follows:

Land on the side of, bounded northerly by
 land of, southerly by land of, easterly
 by land of, and westerly by land of

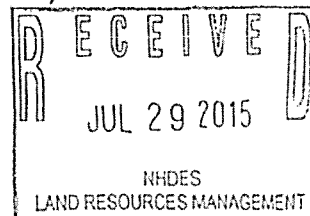
Easterly of the twin Islands off Haley's Point

CARROLL COUNTY REGISTRY

RECEIVED 9th M. Dec 26, 1973

Tercy Seal

16503.2
6



This conveyance shall include the right to clear and keep clear a right-of-way of all trees and under-
 brush by such means as the grantees may select.

The location of said right-of-way shall be determined by mutual consent and become permanent upon
 the installation of said lines.

The width of the right-of-way clearing shall not exceed feet. Necessary guy wires
 and anchors may be located beyond the cleared area.

The grantor shall continue to enjoy use of the property for any purposes not adverse to the grantee's
 rights. Planting of trees, building of structures or storage of lumber and/or other materials within the
 granted right-of-way shall not be undertaken without the grantee's knowledge and consent. The grantee
 agrees to make reasonable modification of the lines within the grantor's property at the grantor's expense to
 accommodate future needs of the grantor in the use of his property.

The grantor (s) release to the grantee (s) all rights and dower/curtesy, homestead and other interests
 in the rights and easements hereby conveyed.

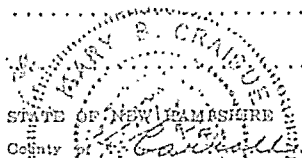
Witness my/our hand (s) and seal (s) this day of July, 1973

WITNESSES:

Mary B. Craig for both

GRANTORS SIGNATURES:

Lily D. Hart
Benjamin F. Hart



STATE OF NEW HAMPSHIRE
 County of Carroll

On this 11th day of July, 1973 before me the undersigned officer, personally appeared Lily D. Hart
Benjamin F. Hart (or satisfactorily proven) to be the person(s) whose name(s) subscribed to the
 within instrument and acknowledged that he executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.

"CONSIDERATION LESS THAN \$100"

Exhibit C

Mary B. Craig
 Notary Public - Justice of the Peace
 My commission expires July 31, 1973

SHORELAND PERMIT BY NOTIFICATION (PBN)¹

Water Division/ Shoreland Program

Land Resources Management

Check the Status of your Notification: <http://des.nh.gov/onestop>

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



Office use only: Accepted <input checked="" type="checkbox"/> Expires: <u>7/29/20</u> Rejected <input type="checkbox"/>
Check Amount \$ <u>132.50</u> Check No. <u>146326</u> Initials: <u>DCF</u> Date: <u>7/29/15</u>

Shoreland File Number 2015- 01976 Reviewed Date: 7/29/15 Initials: DCF

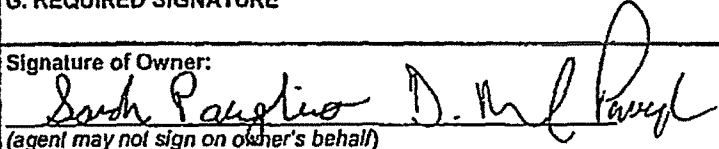
A. PROJECT AND OWNER INFORMATION				
1.	Project Property Address	Town/City	State	Zip code
	<u>2 Lane Road - 1 Allen Lane</u>	<u>Tuftsboro</u>	<u>NH</u>	<u>03816</u>
2.	Waterbody Name	Tax Map	Lot	Block
	<u>Lake Winniesaukee</u>	<u>2.</u>	<u>66.</u>	
3.	Property Owner Name (last, first, MI)	Phone No.	Fax No.	An email address authorizes electronic communication
	<u>Paveglio Trust</u>	<u>603-724-8595</u>		
	Mailing address	Town/City	State	Zip code
	<u>72 Lane Road</u>	<u>Chichester</u>	<u>NH</u>	<u>03258</u>
B. PROPOSED PROJECT DETAILS: (NOTE: This process <u>cannot</u> be used: a) for impacts to areas under the jurisdiction of RSA 482-A including surface waters and their banks, wetlands, tidal areas including the 100 ft tidal buffer zone, sand dunes and beaches, or; b) to expand the footprint of nonconforming primary structures within the waterfront buffer.)				
TOTAL PROPOSED IMPACT AREA:		NEW IMPERVIOUS AREA PROPOSED:		
<u>300 square feet</u>		<u> </u> square feet		
DESCRIPTION: A complete description of the proposed project <u>must</u> be stated here. It must <u>list</u> all proposed temporary and permanent impacts, new pervious and impervious areas, and structures. This project is to replace the submarine cable feeding out to Twin Island from NHEC pole 16503.2/7 on this property. The new cable will be placed in conduit in a trench from the existing pole out to the water's edge. The intent is to not to cut any trees if possible in this process.				

C. CONDITIONS: Agree to the following Permit by Notification conditions by <u>initialing each one</u> :	
<u>DWB</u> 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.
<u>DWB</u> 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.
<u>DWB</u> 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.
<u>DWB</u> Env-Wq 1406.17(d)	Any fill used shall be clean sand, gravel, rock, or other suitable material.
<u>DWB</u> 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 a shoreland file number is assigned and the notification is accepted, dated and initialed by DES.

D. PBN CRITERIA: In addition to meeting all requirements of RSA 483-B and Rule Chapter Env-Ws1400 the project must meet one of the following. Please check the appropriate qualifying criteria per RSA 483-B:5-b:	
<input checked="" 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 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) relative to geotechnical borings <input type="checkbox"/> Env-Wq 1406.05(b) relative to monitoring wells <input type="checkbox"/> Env-Wq 1406.05(c) relative to drinking water wells <input type="checkbox"/> Env-Wq 1406.05(d) relative to remediation activities

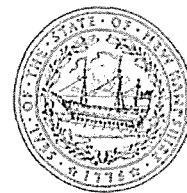
E. IMPACT AREA AND APPLICATION FEE: Indicate the project type, impact area and fee by checking the appropriate box below.		
<input checked="" type="checkbox"/>	1. The proposed project will impact 300 square feet within 250 feet of the reference line. (All areas of soil disturbance, fill, construction and structure removal shall be considered in the area of impact. Total impact area 300 x \$0.10 per square foot + \$100 = \$130.00 This is the project filing fee. If the result is more the \$250 you cannot use this form.	(Max \$250) \$ 130.00
<input type="checkbox"/>	2. The proposed project is a public infrastructure maintenance or repair project.	Fee Exempt
<input type="checkbox"/>	3. The proposed project meets the criteria of Section D.3. above.	\$100.00

F. REQUIRED CERTIFICATIONS: <u>Carefully</u> read each of the statements below. By signing below, you are certifying that you understand and agree to comply with each statement.	
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.	
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.	
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.	
4. I understand that project proposals that do not meet the minimum standards of RSA 483-B and Administrative Rules Chapter Env-Wq 1400 shall be rejected.	
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.	
6. I understand that incomplete notifications will be rejected and the notification fee will be forfeited.	
G. REQUIRED SIGNATURE	
Signature of Owner:  (agent may not sign on owner's behalf)	Date: 6/29/15

H. AGENT INFORMATION: If this form has been completed by an agent or any person acting on behalf of the owner, said person shall provide the following information:				
1.	Agent Name (last, first, MI)	Phone No.	Fax No.	An email address authorizes electronic communication
	Dean Benton for NHEC	603-536-8603		bentond@nhec.com
	Mailing address	Town/City	State	Zip code
	579 Tenney Mln Hwy	Plymouth	NH	03264



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

NOTICE OF ACCEPTANCE OF PERMIT APPLICATION
LAND RESOURCES MANAGEMENT
WETLANDS PROGRAM

July 30, 2015

MICHAEL & SARAH PAVEGLIO TRUST
72 LANE RD
CHICHESTER NH 03258

RE: Wetland Program Permit Application (RSA 482:A)
DES File Number 2015-01979
Subject Property: 3 Allen Lane, Tuftonboro, Tax Map/Lot#: 2 / 66

Dear Property Owner:

Pursuant to RSA 482-A-3, XIV, the Department of Environmental Services (NHDES) has accepted your application and supporting materials received on 07/30/2015 for the permit program and subject property referenced above. Please check that the permit type and property information above is correct and notify us of any errors.

Your application package has been forwarded to technical review. A detailed technical review of your application package will be completed within the applicable timeframe: 30 days for a minimum impact expedited application, 75 days for projects where the applicant proposes under one acre of jurisdictional impacts, or 105 days for all other projects, from the date of this letter. **Please note that this is not a permit or authorization to begin work.** The technical staff will notify you through separate correspondence if any additional information is required to support your application package.

You may use the Internet to check the status of your permit application review using OneStop, which is accessed through the DES website (see <http://www2.des.state.nh.us/OneStop>).

We appreciate your commitment to comply with state environmental protection rules and laws. If you have any questions, please contact the NHDES Wetlands Program at (603) 271-2147.

Thank you,

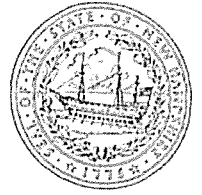
Land Resources Management

cc: James Bakas, NH Electric Cooperative, Inc.
Dean Benton, NH Electric Cooperative, Inc. ✓

Exhibit E



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

NOTICE OF ACCEPTANCE OF PERMIT APPLICATION
LAND RESOURCES MANAGEMENT

July 30, 2015

TUFTONBORO MUNICIPAL CLERK
PO BOX 98
CENTER TUFTONBORO NH 03816

RE: Wetlands Program Permit Application (RSA 482:A)
DES File Number: 2015-01979
Subject Property: 3 Allen Lane, Tuftonboro, Tax Map/Lot#: 2 / 66

Dear Sir or Madam:

Pursuant to RSA 541-A:39, please be advised that the Department of Environmental Services (NHDES) accepted an application on 07/30/2015 for the permit program and subject property referenced above. Please note that this letter is not a permit or authorization to begin work.

The application requests a permit for impacts to a jurisdictional wetland at the subject property.

If the municipal conservation commission intends to intervene, they must submit a notice to NHDES pursuant to RSA 482-A:11, III by 08/07/2015. All comments should reference the DES File Number and be directed to the following address:

NHDES Wetlands Program
29 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095

Please provide a copy of this notice to all interested departments, boards and commissions. Also note that under current state law and regulations, NHDES is not authorized to consider local zoning and regulatory issues pertaining to a project; these must be addressed at the local level.

If you have any questions, please contact the NHDES Wetlands Program at (603) 271-2147.

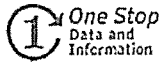
Thank you,

Land Resources Management

cc: Michael & Sarah Paveglio Trust
James Bakas, NH Electric Cooperative, Inc.
Dean Benton, NH Electric Cooperative, Inc. ✓



DES Home | Master Query | OneStop Menu | A to Z LIST



Wetland And Shoreland Permits Query Results

Column Definitions

Wetlands Contact: (603) 271-2147

Shoreland Contact: shoreland@des.nh.gov (603) 271-2147

This website was last updated on: 08/31/2015 09:08

[Printable Version in Excel](#) | [Printable Version Help](#)

Wetlands Permits

File Number: 2015-01979

Application Type: STANDARD DREDGE AND FILL APPLICATION

Owner:

MICHAEL & SARAH PAVEGLIO TRUST

Status: UNDER TECHNICAL REVIEW

Location:

3 ALLEN LANE

Admin Complete: 07/30/2015

TUFTONBORO, NH

Tax Map: 2

Water Body: LAKE WINNIPESAUKEE

Lot Number: 66

Date Received: 07/30/2015

Reviewer: DCF

Proposed Project: Winter lake ice has damaged the submarine cable originating from this property out to Twin Island. NHEC needs to replace the cable in its entirety from this location out into the water and onto Twin Island.

Preliminary Category: MAJOR IMPACT PROJECT

Final Category: MAJOR IMPACT PROJECT

Agent: NEW HAMPSHIRE ELECTRIC COOPERATIVE INC

1

[Prev](#) | [Next](#)

[Printable Version in Excel](#) | [Printable Version Help](#)

[Return to Query](#)

New Hampshire Department of Environmental Services | PO Box 95 | 29 Hazen Drive | Concord, NH 03302-0095
603.271.3503 | TDD Access: Relay NH 1.800.735.2964 | Hours: M-F, 8am-4pm

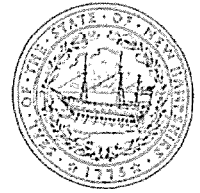
[NH.gov](#) | [privacy policy](#) | [accessibility policy](#)

copyright 2008. State of New Hampshire

The Department of Environmental Services is dedicated to making more environmental information more readily available to more people while maintaining user confidence in the information. The information is the best available according to the procedures and standards of each of the contributing programs and of this system. The different programs are regularly maintaining the information in their databases, and the system is periodically being modified to respond to user needs. As a result, the system may not always provide access to all existing information, and it may occasionally contain unintentional inaccuracies. The Department has made every effort to present the information in a clear and understandable way for a variety of users. We can not be responsible, however, for the misuse or misinterpretation of the information presented by this system.



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

NOTICE OF ACCEPTANCE OF PERMIT APPLICATION
LAND RESOURCES MANAGEMENT
WETLANDS PROGRAM

August 07, 2015

HART REALTY TRUST
C/O LILY D HART
6 BOARDMAN ST
GEORGETOWN MA 01833

RE: Wetland Program Permit Application (RSA 482:A)
DES File Number 2015-01966
Subject Property: 1 Twin Island, Tuftonboro, Tax Map/Lot#: 1 / 2

Dear Property Owner:

Pursuant to RSA 482-A-3, XIV, the Department of Environmental Services (NHDES) has accepted your application and supporting materials received on 08/07/2015 for the permit program and subject property referenced above. Please check that the permit type and property information above is correct and notify us of any errors.

Your application package has been forwarded to technical review. A detailed technical review of your application package will be completed within the applicable timeframe: 30 days for a minimum impact expedited application, 75 days for projects where the applicant proposes under one acre of jurisdictional impacts, or 105 days for all other projects, from the date of this letter. **Please note that this is not a permit or authorization to begin work.** The technical staff will notify you through separate correspondence if any additional information is required to support your application package.

You may use the Internet to check the status of your permit application review using OneStop, which is accessed through the DES website (see <http://www2.des.state.nh.us/OneStop>).

We appreciate your commitment to comply with state environmental protection rules and laws. If you have any questions, please contact the NHDES Wetlands Program at (603) 271-2147.

Thank you,

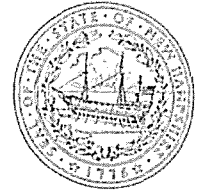
Land Resources Management

cc: James Bakas, NH Electric Cooperative, Inc.
Dean Benton, NH Electric Cooperative, Inc.

Exhibit F



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

NOTICE OF ACCEPTANCE OF PERMIT APPLICATION
LAND RESOURCES MANAGEMENT

August 07, 2015

TUFTONBORO MUNICIPAL CLERK
PO BOX 98
CENTER TUFTONBORO NH 03816

RE: Wetlands Program Permit Application (RSA 482:A)
DES File Number: 2015-01966
Subject Property: 1 Twin Island, Tuftonboro, Tax Map/Lot#: 1 / 2

Dear Sir or Madam:

Pursuant to RSA 541-A:39, please be advised that the Department of Environmental Services (NHDES) accepted an application on 08/07/2015 for the permit program and subject property referenced above. Please note that this letter is not a permit or authorization to begin work.

The application requests a permit for impacts to a jurisdictional wetland at the subject property.

If the municipal conservation commission intends to intervene, they must submit a notice to NHDES pursuant to RSA 482-A:11, III by 09/07/2015. All comments should reference the DES File Number and be directed to the following address:

NHDES Wetlands Program
29 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095

Please provide a copy of this notice to all interested departments, boards and commissions. Also note that under current state law and regulations, NHDES is not authorized to consider local zoning and regulatory issues pertaining to a project; these must be addressed at the local level.

If you have any questions, please contact the NHDES Wetlands Program at (603) 271-2147.

Thank you,

Land Resources Management

cc: Lily D. Hart, Hart Realty Trust
James Bakas, NH Electric Cooperative, Inc.
Dean Benton, NH Electric Cooperative, Inc. ←

[DES Home](#)[Master Query](#)[OneStop Menu](#)[A to Z LIST](#)

Wetland And Shoreland Permits Query Results

Column Definitions

Wetlands Contact: (603) 271-2147

Shoreland Contact: shoreland@des.nh.gov (603) 271-2147

This website was last updated on: 08/31/2015 09:08

[Printable Version in Excel](#)[Printable Version Help](#)

Wetlands Permits

File Number: 2015-01966**Application Type:** STANDARD DREDGE AND FILL APPLICATION**Owner:**

HART REALTY TRUST

Status: UNDER TECHNICAL REVIEW**Location:**

1 TWIN ISLAND

Admin Complete: 08/07/2015

TUFTONBORO, NH

Tax Map: 1**Water Body:** LAKE WINNIPESAUKEE**Lot Number:** 2**Date Received:** 08/07/2015**Reviewer:** DCF

Proposed Project: The project is to replace the submarine cable feeding out to Twin Island from NHEC pole 16503.2/7, located on property on Tax Map 2, Lot 66. The new cable will be placed in conduit in a trench from the existing pole out to the water's edge. The cable will run along the bottom of the lake until reaching Twin Island and will be buried in conduit until it reaches the transformer pad where it will be terminated.

Preliminary Category: MINIMUM IMPACT PROJECT**Final Category:** MINIMUM IMPACT PROJECT**Agent:** NEW HAMPSHIRE ELECTRIC COOPERATIVE INC

1

[Prev](#)[Next](#)[Printable Version in Excel](#)[Printable Version Help](#)[Return to Query](#)

New Hampshire Department of Environmental Services | PO Box 95 | 29 Hazen Drive |
Concord, NH 03302-0095
603.271.3503 | TDD Access: Relay NH 1.800.735.2964 | Hours: M-F, 8am-4pm

[NH.gov](#) | [privacy policy](#) | [accessibility policy](#)

copyright 2008. State of New Hampshire

The Department of Environmental Services is dedicated to making more environmental information more readily available to more people while maintaining user confidence in the information. The information is the best available according to the procedures and standards of each of the contributing programs and of this system. The different programs are regularly maintaining the information in their databases, and the system is periodically being modified to respond to user needs. As a result, the system may not always provide access to all existing information, and it may occasionally contain unintentional inaccuracies. The Department has made every effort to present the information in a clear and understandable way for a variety of users. We can not be responsible, however, for the misuse or misinterpretation of the information presented by this system.

SUBMARINE CABLE

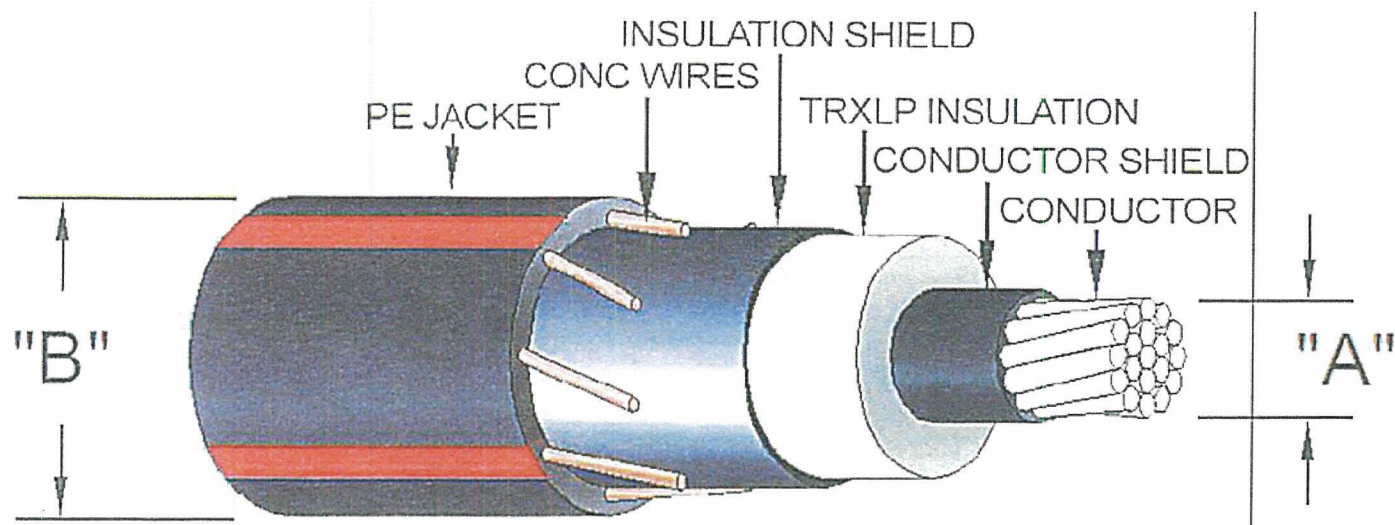


Exhibit G

	Material #	Description	A(IN.)	B(IN.)
UW1.010.SUB	15560005	Cond, Sub 1/0 AL 15 kV	.398	1.720
ZUW1.010.SUB	15560006	Cond, Sub 1/0 AL 35 kV	-	-



CONSTRUCTION STANDARDS

PRIMARY UNDERGROUND CABLE

UW1

ISSUE DATE: 01/06

IUSUB

MATERIALS FURNISHED AND INSTALLED BY CONSUMER

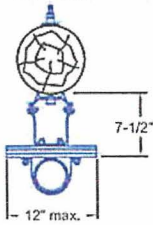
- ① 4" CONDUIT
SCHEDULE 80 PVC
- ② 4" 90° SWEEP
GALVANIZED STEEL
- ③ 4" ADAPTER
(IF NEEDED)
- ④ CONDUIT END CAPS
- ⑤ 1/4" POLYPROPYLENE STRING
INSTALLED IN ALL CONDUITS WITH STRING
EXPOSED AND TIED OFF AT ENDS THRU
CAPS AT END OF CONDUIT.

MATERIALS FURNISHED AND INSTALLED BY NHEC

POLE
GROUND ROD AND CONNECTOR
ALUMA-FORM STANDOFF BRACKETS

STANDOFF BRACKET

TOP VIEW

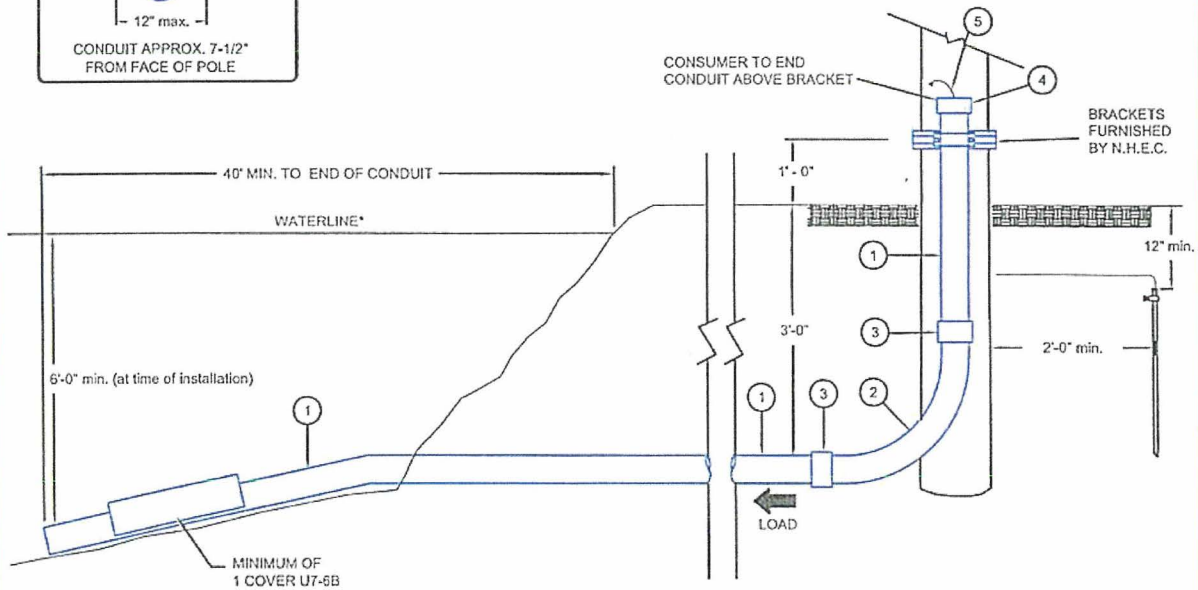


CONDUIT APPROX. 7-1/2"
FROM FACE OF POLE

STANDOFF BRACKET IMPORTANT NOTES:

CONTRACTOR SWEEPS CONDUIT TO 7-1/2" FROM FACE OF POLE.

NHEC PERSONNEL WILL PROVIDE A STANDOFF BRACKET TO ASSIST
STEEL SWEEP DISTANCE TO THE POLE.



NOTES:

- 1.) ALL CONDUIT AND ACCESSORIES MUST MEET ELECTRICAL GRADE SPECIFICATIONS.
- 2.) ALL CONSUMER FURNISHED MATERIAL TO BE ON HAND, AND ALL NECESSARY EXCAVATION AND CONDUIT READY PRIOR TO TIME OF INSTALLATION OF EQUIPMENT ON POLE BY NHEC PERSONNEL.
- 3.) CONDUIT TO BE ON QUADRANT OF POLE OPPOSITE FLOW OF TRAFFIC.



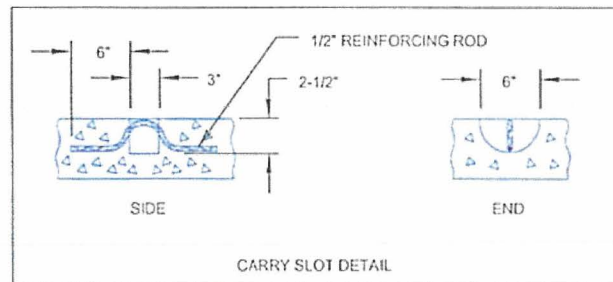
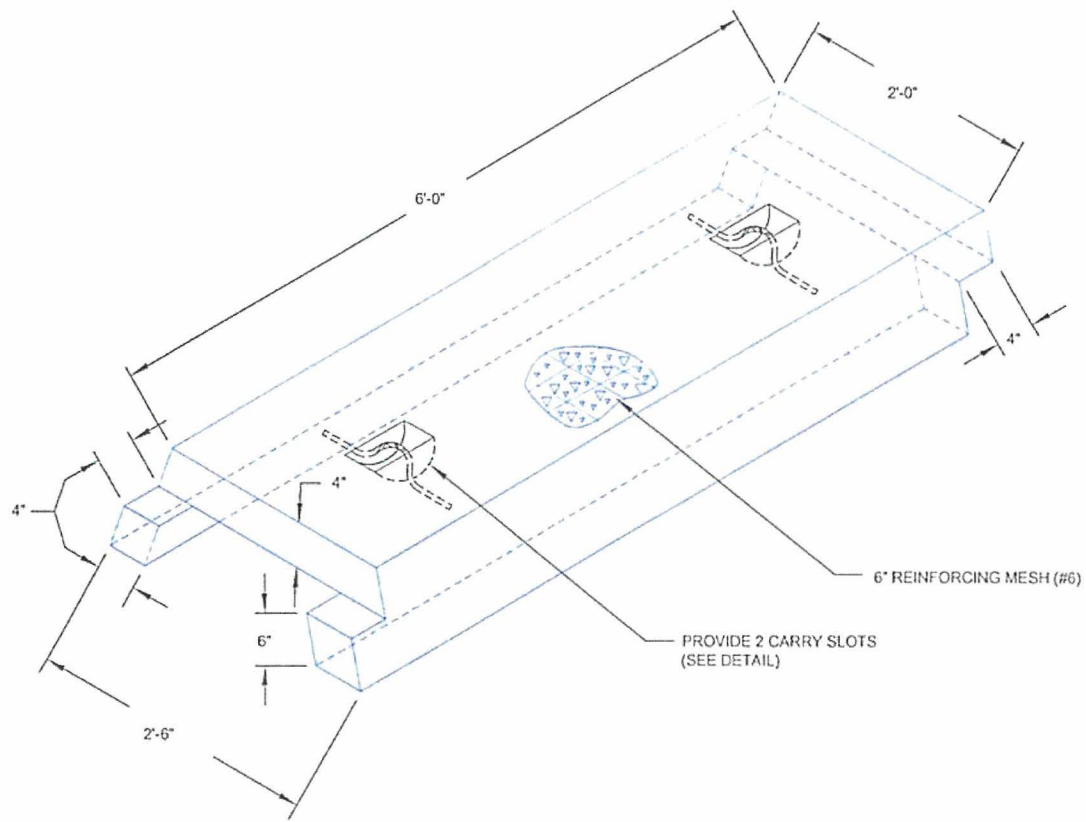
CONSTRUCTION STANDARDS
UNDERGROUND PRIMARY
RADIAL FEED
PRIMARY POLE MATERIALS

IUSUB

ISSUE DATE: 01/06

Exhibit H

U7-6B



NOTE:

- 1.) CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 5000 P.S.I. AFTER 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C 39-72 (LATEST EDITION).



CONSTRUCTION STANDARDS

UNDERWATER CABLE COVER

U7-6B

ISSUE DATE: 01/06

Exhibit I

INSTALLATION REQUIREMENTS FOR SUBMARINE CABLES

TYPICAL CONDUIT SETUP IN WATER

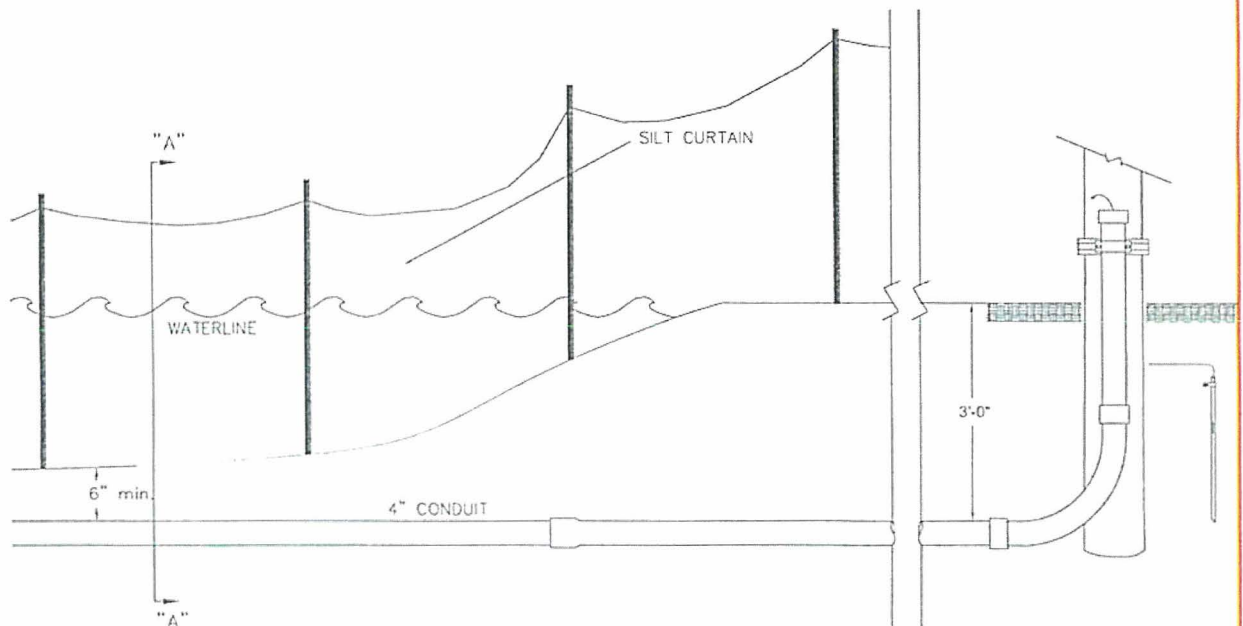
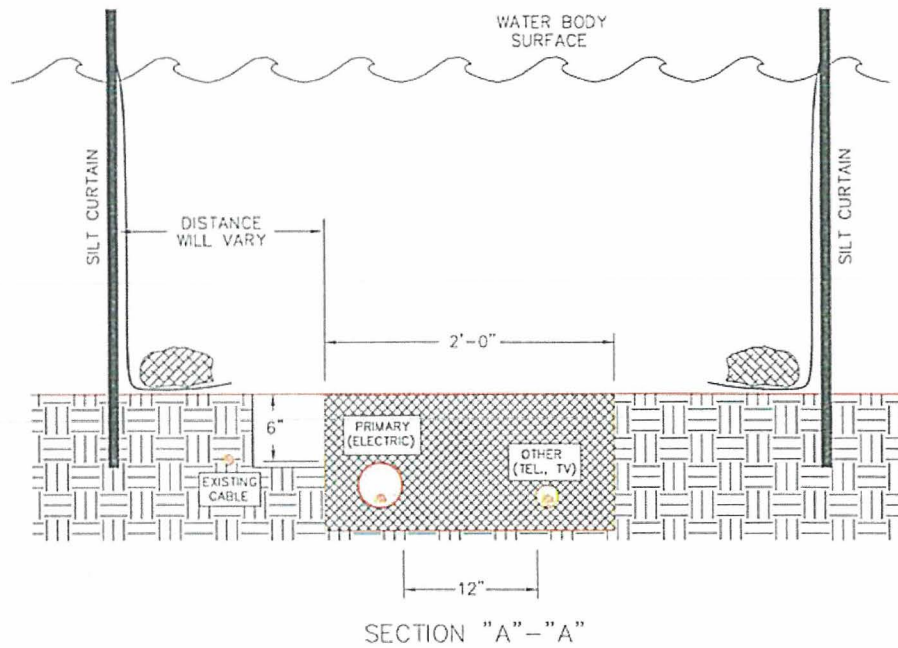


Exhibit J

NOTES:

- 1.) THIS CROSS-SECTION SHOWS THE 4" CONDUIT ENTERING THE BOTTOM OF THE BODY OF WATER IN A TYPICAL SETTING. THE CONDUIT WILL BE IN A TRENCH, 36" - 40" DEEP UNTIL IT ENTERS THE WATER, AND AT THAT POINT IT WILL HAVE A 6" COVER OF EXISTING MATERIAL.



REV.	DATE
ORIGINAL	1/04

UNDERGROUND PRIMARY
RADIAL FEED
PRIMARY POLE MATERIALS

OPER. APPROVAL: J.D.

ENG. APPROVAL: J.S.

TRENCH

URD 1W-1