



CAP 21-017

PEASE

INTERNATIONAL

PORTS AND HARBORS

555 Market Street, Suite 1 Portsmouth, NH 03801

September 8, 2021

Honorable Chair John Graham
Capital Budget Overview Committee
c/o Office of Legislative Budget Assistant
State House Room 102
Concord, NH 03301

Attn:

Re: Harbor Dredging and Pier Maintenance Fund

REQUESTED ACTION

In accordance with RSA 12-G:46, III, Harbor Dredging and Pier Maintenance Fund Established, the Pease Development Authority Division of Ports and Harbors ("the Division") is requesting prior approval of the Capital Budget Overview Committee to expend not more than \$50,000 from the Harbor Dredging and Pier Maintenance Fund for the purpose of effecting repairs at Division facilities on an as-needed basis.

EXPLANATION

The Division is requesting the Capital Budget Overview Committee (the Committee ") approve the expenditure of not more than \$50,000.00, subject to the approval by the Pease Development Authority Board of Directors, for the purpose of effecting repairs at Division facilities on an as-needed basis. From time to time, the marine facilities require immediate repair to insure the safety of the vessels and the persons utilizing the facilities. As our marine facilities age, the Division encounter issues which cannot be anticipated. Due to the urgency of these repairs, our immediate response is necessary and the process of submitting individual and advance requests to the Committee could cause critical delays in effecting repairs and/or require the temporary closure of the marine operations. The Division shall report to the Committee in writing the specifics of the expenditures as they are made, or as otherwise directed by the Committee.

Therefore, the Pease Development Authority, Division of Ports and Harbors requests approval to spend no more than \$50,000.00 from the Harbor Dredging and Pier Maintenance Fund. The balance of the Harbor Dredging and Pier Maintenance Fund as of September 8, 2021 is \$319,814.00.

Sincerely,

Geno J. Marconi, Division Director

Cc: Paul E. Brean, Executive Director
Suzy Anzalone, Director of Finance

○ ○ ○ ○ T A K I N G Y O U T H E R E

ph 603-436-8500 fax: 603-436-2780 www.peasedev.org

September 8, 2021

Honorable Chair John Graham
Capital Budget Overview Committee
c/o Office of Legislative Budget Assistant
State House Room 102
Concord, NH 03301

Re: Harbor Dredging and Pier Maintenance Fund, Expenditure Report

Dear Chairman Graham,

As required by a vote of the Capital Budget Overview Committee (the "Committee") on April 2, 2021 please accept this report of expenditures, with invoices attached, from the Harbor Dredging and Pier Maintenance Fund (RSA 12-G:46) as authorized by the Committee. The beginning balance of authorized funds available since the April 2, 2021 report and approval was \$54,578.31.

Since that time the following expenditures have been made, or are expected to be made soon:

6/30/2021	Yates Electric		\$1,544.45	Electric work for installation of fuel hose reels at the Rye Harbor Marine Facility
8/17/2021	Lakes Region Environmental		\$6,427.00	Installation of fuel hose reels at the Rye Harbor Marine Facility
8/27/2021	Monadnock Security Systems		\$9,068.00	Security Camera System Replacement, Rye Harbor Marine Facility
8/27/2021	Monadnock Security Systems		\$5,820.00	NVR Replacement, Rye Harbor Marine Facility
Pending	Appledore Marine Engineering		\$19,912.00	Float and Pile replacement, Hampton Harbor Marine Facility
Pending	Lakes Region Environmental		\$29,391.25	Underground Fuel Storage line replacement, Rye Harbor Marine Facility
Pending	NH DES		\$10,595.00	Wetlands and Alteration of Terrain permit application fees, in relation to the BUILD Main Pier Rehabilitation Project, Market St. Marine Terminal

Invoices and/or proposals are attached for reference. The remaining balance of funds authorized by the Committee as of September 8, 2021 is -\$28,179.39.

Sincerely,



Geno Marconi, Division Director

Cc: Paul E. Brean, Executive Director
Suzy Anzalone, Director of Finance

88A Dover Road
Durham, NH 03824



Commercial & Industrial Electrical Contractors
www.yates-electric.com

Tel (603) 868-8295
Fax (603) 868-7900

Pease Development Authority
Whit Anderson
555 Market Street
Portsmouth, NH 03801

June 25, 2021

Invoice 3343

INVOICE

Rye Harbor - Fuel Reels

Relocate existing conduit, wiring and outlets, to expand the Class 1 area, for new Fuel Reels.

Provide Class 1 wiring connections to (2) new Fuel Reels.

Labor	\$1,280.00
Material	\$264.55

90-940-7005
HDPM \$50,000
emergency allocation

J.W.
DATE 6/29/2021

TOTAL AMOUNT OF THIS INVOICE:

\$1,544.55

Thank You for Your Business

Terms: Net 30
We accept Visa and MasterCard
Finance Charge of 1-1/2% after 30 Days from Invoice Date

Lakes Region Environmental Contractors

PO Box 1236
Belmont, NH 03220

*A Small Business
Company*

INVOICE

Invoice Number: 12675
Invoice Date: Aug 17, 2021
Page: 1

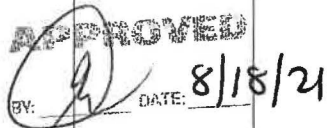
Main Office 603-267-7000
Fax: 603-267-8039
Email: Lmowery@LREnvironmental.net

RECEIVED AUG 17 2021

Bill To:
Pease Development Authority Div. of Ports & Harbors 555 Market St Portsmouth, NH 03801

Ship to:
Rye Harbor Marina Rye Harbor 1870 Ocean Blvd Rye, NH 03870

Customer ID	Customer PO	Payment Terms	
PDA	Replace Hose Reels	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	UPS Ground		9/16/21

Quantity	Item	Description	Unit Price	Backorder Qty	Amount
		6/22- Remove and replace two (2) hose reels with new Hannay power rewind reels.			
		Cost			6,427.00
<p><i>ADPM - 50 G Allocation</i></p> <p style="text-align: right;">  <i>90-940-7005</i> </p>					

Subtotal	6,427.00
Sales Tax	
Freight	
Total Invoice Amount	6,427.00
Payment/Credit Applied	
TOTAL	6,427.00

Check/Credit Memo No:

Geno Marconi; Director
Pease Development Authority
Divisions of Ports and Harbors
555 Market Street
Portsmouth, NH 03801

April 14, 2021

RE: Hose Reel Upgrades at Rye Harbor.

Mr. Marconi,

Following please find my scope of work and cost to replace two hose reels at Rye Harbor. As always, please call with any questions or comments.

Scope of Work

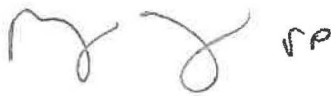
Replace the two (2) existing hose reels with new Hannay power rewind reels, including:

1. Remove the existing reels.
2. Install new reels in their place. One will be for ¾" x 100' of hose and the other will be for 1" x 100' of hose.
3. The new reels will be stainless steel except for the fluid path pipes and the motors.
4. They will come with rollers for the hose to retract through.
5. The swivels will be stainless steel *SuperSwivels*.
6. Your existing hoses, nozzles and piping will be reused on the new reels.

Cost for the installation described above: \$6,427.00

Please call with any questions.

Sincerely,



Digitally signed by Roy Creley
Date: 2021.04.16 11:22:07
-04'00'

ACCEPTANCE

I, Geno Marconi, of The Pease Development Authority, being duly authorized to enter into this contract hereby approve of the equipment, services and terms listed herein and am authorizing the work to commence.


Signed

4/16/2021
Date

Division Director
Title



P.O. Box 256
 New Ipswich, NH 03071
 (603)878-0600

Invoice

Date	Invoice #
8/27/2021	49004

Bill To
Pease Development Authority 555 Market Street Portsmouth, NH 03801

RECEIVED AUG 27 2021

W/O. No.	P.O. No.	Terms	Project
W210601		ON RECEIPT	Rye Harbor

Serviced	Item	Description	Qty	Rate	Amount
8/20/2021	Sales A NH	Camera Replacements Per Proposal Q210075 at Rye Harbor <i>90-940-7005 PSD G Allocation</i>		9,068.00	9,068.00

APPROVED
 BY: *[Signature]* DATE: 8/27/21

Subtotal	\$9,068.00
Sales Tax ()	\$0.00
Total	\$9,068.00
Payments/Credits	\$0.00
Balance Due	\$9,068.00

*Credit Card payments over \$1,000 will be subject to 2.95% Fee
 1.5% Monthly Charge will be added to all Invoices over 30 Days



Invoice

P.O. Box 256
 New Ipswich, NH 03071
 (603)878-0600

Date	Invoice #
8/27/2021	49003

Bill To
Pease Development Authority 555 Market Street Portsmouth, NH 03801

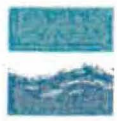
RECEIVED AUG 27 2021

W/O. No.	P.O. No.	Terms	Project
		ON RECEIPT	Rye Harbor

Serviced	Item	Description	Qty	Rate	Amount
	Sales A NH	NVR Replacement Per Proposal Q210254 at Rye Harbor		5,820.00	5,820.00
<p>90-940-7005 \$50 G Allocation</p> <p>APPROVED <small>BY: [Signature] DATE: 8/27/21</small></p>					

Subtotal		\$5,820.00
Sales Tax ()		\$0.00
Total		\$5,820.00
Payments/Credits		\$0.00
Balance Due		\$5,820.00

*Credit Card payments over \$1,000 will be subject to 2.95% Fee
 1.5% Monthly Charge will be added to all Invoices over 30 Days



Appledore Marine Engineering, LLC

600 State Street, Suite E | Portsmouth New Hampshire 03801

September 2, 2021

Captain Geno Marconi
Director Division of Ports and Harbors
555 Market Street, PO Box 369
Portsmouth, New Hampshire 03802

Re: Proposal to Provide Marine Engineering Services
Hampton Harbor Floating Dock Replacement and Pile Replacement
Hampton, New Hampshire

Dear Captain Marconi:

Appledore Marine Engineering, LLC (AME) is pleased to present this proposal for Marine Engineering services for the above-referenced project. This proposal will discuss the Background, Scope of Services, Schedule of Work and Fee for the services required to complete the work.

BACKGROUND:

In 2012 the Hampton Harbor marine facilities were rehabilitated to include the existing floating dock systems along the bulkhead. The floating docks are reportedly sustaining failures due to corrosion and failure of the aluminum framing members and replacement of the southern 130-foot section is desired. Additionally, the steel pipe piles mooring the concrete floating dock to the northwestern end of the facility have advanced deterioration and require replacement.

This proposal provides the engineering services for the above referenced project.

SCOPE OF SERVICES:

The scope of services includes the following tasks to support the owner in sourcing construction bids, and providing quality assurance services during construction.

The project is to replace the existing 130 foot long southern floating dock and to replace all (eight) steel guide piles mooring the northwestern concrete floating dock. The following tasks are envisioned to be required.

- Site inspection – At the commencement of the project, an above water site inspection will be completed to evaluate the existing facility for noted deterioration including the pile supports and collect detailed measurements for the replacement design.
- Regulatory approvals – Replacement of concrete float dock piles will require a Permit By Notification required by the NH Department of Environmental Services (NHDES) to carry out the proposed project.
- Bidding documents – Leveraging the existing design drawings, simple sketches and technical specifications will be developed to allow sourcing of bids from pre-selected and qualified marine contractors. A full comprehensive bidding package is not being requested due to the intent to replace existing structures and elements in-kind.
- Construction support services – Limited construction support services will be provided to include review of construction submittals and two visits during the progression of construction.

EXCLUSIONS AND CLARIFICATIONS:

This proposal is based on the following considerations:

- Construction bids will be sourced from pre-selected contractors based on a limited plans and specs package and full bidding documents are not required. If it is later determined to be needed a mod to this proposal will be provided.
- It is assumed that the proposed work will be replacement in-kind and that pile installation will not occur between November 15 and March 15. If these conditions cannot be met, the project will not qualify as Permit by Notification and a mod to this contract would be required.

SCHEDULE:

AME will commence work on the project immediately upon written notice to proceed with anticipated completion of the construction sketches within 45 days to allow sourcing of pricing.

FEES:

Fees for consulting services will be on a fixed fee basis in the amount of \$19,912 in accordance with the attached schedule.

Prompt payment of invoices is necessary for us to maintain a schedule and provide responsible service. We will invoice monthly for our engineering services and reimbursable expenses. Payment is due within thirty (30) days of date of invoice.

Thank you for giving us the opportunity to present a proposal for this work.

If you have any questions or require additional information, please do not hesitate to contact me.

Regards,



Noah J. Elwood, PE
President

This Proposal is subject and subordinate to the Agreement for Marine Engineering Services between the Parties dated July 1, 2017.

A&E FEE PROPOSAL WORKSHEET

FIRM NAME: Appledore Marine Engineering, LLC
Contract No. AME 30244
Project Title Hampton Harbor Floating Dock Replacement & Pile Replacement

DATE: 02, September 21

Hampton Harbor Floating Dock Replacement	19,912
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TOTAL	\$19,912
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Hampton Harbor Floating Dock Replacement

LABOR

Engineering Discipline	Rate	Site Visit		Construction Sketches		Permitting	
		Hours	Salary	Hours	Salary	Hours	Salary
Principal	\$93.74	0	\$0	1	\$94	0	\$0
Project Manager/Diver	\$82.28	1	\$82	2	\$165	2	\$165
Sr. Engineer/Diver	\$74.10	4	\$296	16	\$1,186	4	\$296
Engineer/Diver	\$53.43	0	\$0	0	\$0	0	\$0
Technician/Diver	\$46.89	0	\$0	0	\$0	0	\$0
CADD Tech/Diver	\$34.86	0	\$0	24	\$837	20	\$697
Clerical	\$25.97	0	\$0	0	\$0	1	\$26
Subtotals:		5	\$379	43	\$2,281	27	\$1,184

Engineering Discipline	Rate	Construction Support		Hours	Salary	Hours	Salary
		Hours	Salary				
Principal	\$93.74	1	\$94	0	\$0	0	\$0
Project Manager/Diver	\$82.28	4	\$329	0	\$0	0	\$0
Sr. Engineer/Diver	\$74.10	24	\$1,778	0	\$0	0	\$0
Engineer/Diver	\$53.43	0	\$0	0	\$0	0	\$0
Technician/Diver	\$46.89	0	\$0	0	\$0	0	\$0
CADD Tech/Diver	\$34.86	0	\$0	0	\$0	0	\$0
Clerical	\$25.97	0	\$0	0	\$0	0	\$0
Subtotals:		29	\$2,201	0	\$0	0	\$0

Subtotal for Labor:		104	\$6,045				
Overhead:	144.75%		\$8,750				
Profit:	10.0%		\$1,479				
Total Cost for Labor:			\$16,274				

TRAVEL AND PER DIEM		
Item	Expense	Cost
Per Diem:		\$0
Rate:	\$0	
# of Persons:	0	
# of Days:	0	
Airfare:		\$0
Rate:	\$0	
Excess Baggage:	\$0	
# of Round Trips:	0	
Vehicle Rental:		\$0
Rate:	\$0	
Gas:	\$0	
# of Days/wks:	0	
Mileage		\$0
Rate:	\$0.54	
Miles	0	
Airport Parking		\$0
Rate:	\$0.000	
# Days:	0	
Total for Travel:		\$0

DIRECT COSTS FOR FIELD WORK		
Item	Expense	Cost
Permitting Consultant (Christine Perron)	\$3,308	\$3,638
		\$0
		\$0
		\$0
		\$0
		\$0
		\$0
Total for Direct Costs:		\$3,638

REPRODUCTION COSTS			
Item	Unit	Price/Unit	Cost
Deliverable	0		
Report (Color)	0	\$1.00	\$0
Specs, Reports (B&W)	0	\$0.75	\$0
Plans (11x17)	0	\$1.50	\$0
Plans (22x34)	0	\$3.00	\$0
CD-ROM:	0	\$4.00	\$0
			\$0
			\$0
Total Cost for Reproduction:			\$0

PROPOSAL

Pease Development Authority
Division of Ports & Harbors
555 Market St. P.O. Box 369
Portsmouth, N.H. 03801

August 12, 2021

Re: Underground Fuel Storage Tank Piping Replacement-2021

Location: Rye Harbor
1870 Ocean Blvd
Rye Harbor, New Hampshire
UST Facility # 0-111064 / DES Site: # 199912055

Mr. Geno Marconi,

Thank you for allowing us to quote the project which is mentioned above. The following proposal is based upon the upgrade of your underground fuel piping. Lakes Region Environmental will make every effort to provide you with a cost-effective project. If any existing fuel components can be reused for the upgrades, per NHDES regulations we will make every effort.

Description of Scopes

Provide services to properly remove the existing underground piping and install New UL971 Double-wall Fuel Pipe w/ Containment Sump Equipment including:

Description of Scope I Underground Fuel Piping Closure

- A. Lakes Region environmental will Premark the area for excavation, per Dig Safe regulations and will be responsible for obtaining a utility clearance code from Dig Safe. however, any other underground utilities must be located and properly marked by owner prior to our arrival.
- B. Prior to are arrival the underground fuel tank should be half or full, if there is a high-water table in the area (*ballast will be a concern*).
- C. The area will be closed off to traffic and / or public for safety during the construction.
- D. Saw cut a small section of the existing concrete slab and asphalt for the piping upgrade and remove. **Note; this quote is based on an 8" thick pad, any increase of the pads thickness will increase the contract amount including over reinforcement rebar.**
- E. Remove and dispose of the concrete and asphalt to a recycling facility, as applicable.
- F. Excavate to expose the underground (*tank sump and piping that feeds the fuel dispenser located on the end of the dock; this is required per NHDES closure regulations.*
- G. Damage to, destruction of, or repair/replacement to any underground structure or appurtenance is not the responsibility of Lakes Region Environmental if not notified prior to excavation. **Note: relocation or supporting of utilities if required is not included.**
- H. Drain the underground product lines to be replaced, (*fuel will be put back into the tank*).
- I. Remove two (2) sections of underground fuel piping to the dispenser & fuel tanks.

- J. Purge the piping to a lower explosive limit of 5% or less.
- K. Field screening of the soils will be performed during the excavation using a photo ionization detector for the presence of volatile compounds.
- L. Pressure test the primary piping from the tank to the building to confirm tightness and / or one soil sample per New Hampshire Department of Environmental Services regulations Env-Or 400 approval.
- M. Cut the piping open and clean, the piping will be disposed at a Recycling Facility.
- N. Remove the underground pipe for to (collect soil samples from the piping trench & piping /dispenser sumps) to be analyzed as required and by the State of New Hampshire Department of Environmental Services guidelines.
- O. Should contamination be encountered LRE will be required to notification to the State of NH Department of Environmental Services and retrieve a soil sample for analyses.
Note: These samples will be charged as an extra to the contract.
- P. A State of NH Closure report and a brief summary report with digital pictures will be prepared and submitted to the owner and to the State of NH Department of Environmental Services.

Description of Scope II Soil Field Screening /Sampling & Reporting

- A) Lakes Region Environmental will perform the proper Aboveground Fuel Storage Tank Closure per Env-Or 300. Field screening will be performed using a photo ionization detector for the presence of volatile organic compound. Two (2) soil samples and closure reports are included in the base price. (*if water is encounter water samples will be charged as an extra*). **Note;** should contamination be encountered additional sampling may be required and notification to the State of New Hampshire Department of Environmental Services. *These soil samples will be charged as an extra to the contract.*
- B) Pressure test the primary piping from the tank to the pump and/or building to confirm tightness and / or one soil sample per New Hampshire Department of Environmental Services regulations Env-Or 400 approval.
- C) The State of NH Closure report and a brief summary report will be prepared and submitted by Lakes Region Environmental to the owner and to the State of NH Dept. of Environmental Services.

Description of Scope III Professional Engineer Services

- A. Provide approved Professional Engineered (PE) design plans from the State of New Hampshire Department of Environmental Services and permits from local officials.
- B. Site survey, State application, Application Fee, Site Plan, Tank Diagram, certification letter and As-builts for the fuel piping upgrade only.
- C. Lakes Region Environmental will obtain permits and /or approvals from the local fire department and state agency prior to the start of the project.
- D. Shoreline /Wetland Permits Application with Fees and a Designed Proposed Impact Plan showing the impervious areas, stormwater run-off management is **Not Included**
- E. Any additional piping and /or upgrades of the existing fuel systems that is required by NHDES review of the State Plans submitted is **Not included** including any extensions.

Description of Scope IV New Fuel Piping Installation

1. Lakes Region Environmental will provide approved professional engineered design plans from the State of New Hampshire Department of Environmental Services
2. A small section of the parking lot will have to be used during the piping installation for equipment staging. *Note: Every effort will be made to minimize the impact; however, this may not be possible do to circumstances beyond our control.*
3. Electrical will need to be disconnected and tag out on the fuel system by Lakes Region Environmental (LRE) & our electrician prior to the start of the project. **Note: there will be no gasoline during this piping replacement.** every effort will be made to minimize the down time during the project.
4. The existing underground (***Gasoline & Diesel***) fuel storage tanks, piping sumps at tank, piping, leak monitoring console, liquid level probe, interstitial & piping sensors, spill bucket, vent line, extractor, including the pump and controls will be reused, with the existing electrical underground and inside the building as necessary. **Note: *the existing tank opening must facilitate the piping upgrade.***
5. Reuse the existing gasoline / diesel fuel dispenser piping sump & hose reels located on dock. **Note: *(it is unknown of the condition of the tank sump and/or if the sump will pass the hydrostatic testing required by DES, additional cost may be required)***
6. Reuse the existing Veeder-Root & Owens-Coring Leak Monitor Consoles including piping sump leak sensors and fuel level probes.
7. Reuse the existing “Emergency Fuel Shut-offs” **Note: *(any additional emergency shutoffs needed to meet NHDES and/o NFPA requirements will be an extra to the contract).***
8. Reuse the existing 4” inch Ducting Piping Chase from the tank to the gasoline /diesel dispensers **Note: *(it is unknown if the existing piping chase can be reused or the condition of the pipe chase along & under the dock , if the chase cannot utilize for the new fuel piping installation there will be additional cost)***
9. Replace two (2) sections of underground fuel piping from the fuel tanks to the dispensers **Note: *(The existing Petroplas fuel piping from the low point sump to the dispenser will be reused it is assumed the existing piping is in good condition).***
Note II: *(Any replacement of this piping will be an extra over the contract amount).*
10. Reuse the existing Total Containment Piping Containment Sumps at the tank, low point sump and dispenser. **Note: *any replacement of the piping sumps will be an extra to the contract amount below.***
11. Supply and install the appropriate *APT DDB-100-SC & FEB 075-D* Piping Sump Flexible Entry Boots & hardware, mounted with proper adhesive *Bostic* Epoxy Sealant.
12. Supply and install up to 120’ total *APT DCT-400 4”* flexible ducting piping from the tank to the low point & tank sumps as needed, per designed plans.
13. Supply and install up to 120’ total of 1.5” *Double-Trac Coaxial* flexible primary piping from the tank to the pumps w/ the appropriate *Omega-Flex Fittings*, connected to the existing underground piping at the low point sump.
14. Supply and install four (4) *Double-Trac 1.5” Test Assembly’s* on the primary lines.
15. Supply and install up to 21’ of 1.5” SCH 40 carbon steel exterior piping & fittings at the low point sump & connections at the tank.
16. Supply and install Four (4) *Sharpe 1.5”* full port ball valves and check valves as required at the tank and pump set per NFPA 30 & 31 Standards, to the existing piping.
17. Supply and install Two (2) 1½” *OPW* Pipeline Expansion Relief Valve and fittings
18. Provide piping tightness testing per NHDES Env-Or 400

19. Provide hydrostatic testing on the piping sump, per NHDES Env-Or 400
20. The existing electrical conduit & wiring will be reused underground and inside the building. **Note;** *if the underground conduit cannot be used and / or will not be sufficient for the completions of any wiring of the system, additional cost will occur.*
21. Supply and install ¾" electrical ridged conduit, boxes, seal-off, unions and wire to supply all the new fuel system components as needed, "only".
22. Supply and install 3/8" stone around the containments sumps for proper drainage, including crushed gravel as needed for the asphalt areas.
23. Supply and install Two (2) new 44" Composite Piping Sump manholes w/ 10" skirt
24. Install and/or replace the reinforced concrete (tank pads) with a broom finish and edge as required (*only in the small section removed for the piping upgrade*), per approved plans.
25. Replace the asphalt in parking lot, piping trenches and/or around tank concrete pads.
26. Re-spread the existing loam and/or stone around the concrete pads and/or asphalt areas and seed. **Note:** *(watering and maintenance of grass areas by others*
27. Verify that all "existing" sensors, probes are working properly including the monitor console for visual / audible alarms, per Env-Or 400 rules. Start-up & testing by a certified *Veeder-Root* Technician. **Note:** any replacement of these components will be an extra.
28. Lakes Region Environmental will verify proper operation of the system; a representative from (Rye Harbor - technician) will need to be on site to start the fuel system after the installation is completed.
29. Supply and install the appropriate overfill signs located next to the fill area and the proper NFPA labeling on the tank, buildings & dock areas as specified marina signage, per DES
30. Calibrate the fuel dispensers per New Hampshire Weights and Measures.

Items included for above work

- Installation and inspections by a Professional Engineer, Certified ICC Tank Technician & ABC Operator as required by the State of N.H. Department of Environmental Services.
- Notify Local and State official for fuel system final inspections
- Lakes Region Environmental will prepare a Health and Safety Plan for their employees, including Confine Space Permits as required per OSHA 29CFR 1910.146
- Concrete coring and/ or saw cut the existing concrete to be removed as needed.
- Concrete coring patching interior pipe penetrations
- Concrete removal, disposal and /or replacement as required at a recycling facility
- All excavation and backfilling, compacting equipment including 3/8" stone and gravel.
- Provide written reports of the underground tank closure to the owner and the New Hampshire Department of Environmental Services.

Items not included

- Shoreline and/or Wet Land Permit Application with Fee and a Designed Proposed Impact Plan showing the impervious areas, stormwater run-off management is **Not Included**
- Groundwater Discharge Permits, DES Dewatering permits, Wet Land Permits if required during construction process.
- Any additional piping and /or hardware required by NHDES review of the State Plans
- Any additional electrical requirements per NFPA 30 & 30A
- Any underground utilities not marked by Dig Safe hiring of a private locator, by Owner
- Carpenter repairs and /or upgrades on the (dock) or support beams as required for the installation of the new fuel piping system & electrical.

- Asphalt removal and/or replacement including disposal at a recycling facility.
- Damage to destruction of, or repair/ replacement to any underground structure or appurtenance are not the responsibility of Lakes Region Environmental.
- Any removal of ledge and /or concrete "hold down" devices or the need for shoring, dewatering, or bracing may be charged as an extra if occurred.
- Any surface restoration not specified above (*landscaping, trees, shrubs, walkways, sprinklers replacement, maintenance by others*) is not included in contract.
- Professional cleaning services in the building.
- Disposal of any petroleum products.
- Soil contamination removal, disposal and /or sampling.
- Temporarily tank for heating and/or fueling setups
- Cathodic Protection including locating and /or identify specific tank system problems.
- Tenting the excavations if required by Lakes Region Environmental do to snow an inclement weather including snow removal & heating if required.
- Removal of frost and disposal of unsuitable materials for replacement
- Dewatering of excavations including permits, pumps, hoses & maintenance
- Personnel loss of time and / or parking, including customers

Not Included: *Any additional work or and/or materials not listed above that may be required including any additional work required by the New Hampshire Department of Environmental Services review of the installation plan or during the inspection process will be extra to the contract. Signed approvals will be needed before work is to be done.*

We Propose hereby to furnish materials and labor-complete in accordance with above specifications, for the sum of; **Base Price; \$ 29,391.25 / Balance upon completion / Net 30**

Plus, any additional options, work and/or materials are not included in the base price.

Quote is based on 2021 prices

(Due to the industry volatility Quote is valid for 30-days from date above)

All material is guaranteed to be specified. All work to be completed in a workmanlike manner according to standard practice. Any alteration or deviation from above specifications involving extra cost will be executed only upon written orders and will become an extra charge over and above the proposed contract price. All agreements contingent upon strikes, accidents, or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Exclusive jurisdiction and venue over any disputes hereunder shall be New Hampshire Superior court.

Authorized Signature; *John J. Paradise*

John J. Paradise, Project Manager

Note; this proposal may be withdrawn by us if not accepted within 30 days

Acceptance of Proposal

The price, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do as specified. Payment as outlined above.

Pease Development Authority - (Division of Ports & Harbors) Representative;

Signature; _____ **Date:** _____

Print: _____ **Title:** _____

PO#: _____

Rye Harbor
Rye, New Hampshire
Underground Fuel Storage Tank Piping Replacement-2021

LRE Quote# J9321-REV 3



Pease Development Authority
Division of Ports and Harbors

NHDES Wetlands Permit Application



Market Street Marine Terminal BUILD Project Main Wharf Rehabilitation

Wetlands Permit Application

Prepared by:



McFarland Johnson

53 Regional Drive • Concord, NH 03301



**Appledore Marine
Engineering, LLC**

600 State Street • Portsmouth, NH 03801

September 2021



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Section 1 – Project Information



**STANDARD DREDGE AND FILL
WETLANDS PERMIT APPLICATION**
Water Division/Land Resources Management
Wetlands Bureau
[Check the Status of your Application](#)



RSA/Rule: RSA 482-A/Env-Wt 100-900

APPLICANT'S NAME: Geno Marconi

TOWN NAME: Portsmouth

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.:
			Check No.:
			Amount:
			Initials:

A person may request a waiver of the requirements in Rules Env-Wt 100-900 to accommodate situations where strict adherence to the requirements would not be in the best interest of the public or the environment but is still in compliance with RSA 482-A. A person may also request a waiver of the standards for existing dwellings over water pursuant to RSA 482-A:26, III(b). For more information, please consult the [Waiver Request Form](#).

SECTION 1 - REQUIRED PLANNING FOR ALL PROJECTS (Env-Wt 306.05; RSA 482-A:3, I(d)(2))	
Please use the Wetland Permit Planning Tool (WPPT) , the Natural Heritage Bureau (NHB) DataCheck Tool , the Aquatic Restoration Mapper , or other sources to assist in identifying key features such as: priority resource areas (PRAs) , protected species or habitats , coastal areas, designated rivers, or designated prime wetlands.	
Has the required planning been completed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does the property contain a PRA? If yes, provide the following information:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<ul style="list-style-type: none"> • Does the project qualify for an Impact Classification Adjustment (e.g. NH Fish and Game Department (NHF&G) and NHB agreement for a classification downgrade) or a Project-Type Exception (e.g. Maintenance or Statutory Permit-by-Notification (SPN) project)? See Env-Wt 407.02 and Env-Wt 407.04. • Protected species or habitat? <ul style="list-style-type: none"> ○ If yes, species or habitat name(s): Atlantic Sturgeon, Shortnose Sturgeon, Eelgrass ○ NHB Project ID #: NHB20-3736 • Bog? • Floodplain wetland contiguous to a tier 3 or higher watercourse? • Designated prime wetland or duly-established 100-foot buffer? • Sand dune, tidal wetland, tidal water, or undeveloped tidal buffer zone? 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is the property within a Designated River corridor? If yes, provide the following information:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • Name of Local River Management Advisory Committee (LAC): n/a • A copy of the application was sent to the LAC on Month: Day: Year: 	

irm@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

For dredging projects, is the subject property contaminated? • If yes, list contaminant: n/a no dredging is proposed	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is there potential to impact impaired waters, class A waters, or outstanding resource waters?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
For stream crossing projects, provide watershed size (see <u>WPPT</u> or Stream Stats): n/a	
SECTION 2 - PROJECT DESCRIPTION (Env-Wt 311.04(i))	
Provide a brief description of the project and the purpose of the project, outlining the scope of work to be performed and whether impacts are temporary or permanent. DO NOT reply "See attached"; please use the space provided below.	
<p>The Pease Development Authority (PDA) Division of Ports and Harbors (DPH) is proposing the rehabilitation of the main wharf at the Market Street Marine Terminal in Portsmouth, New Hampshire.</p> <p>This project will consist of the following components:</p> <ul style="list-style-type: none"> • Replacement of failed approach bridge • Construction of deck infill over the open area between the wharf and shore • Repair deteriorated caissons (install protective jackets and sacrificial anodes) • Repair deteriorated concrete superstructure elements • Drainage, grading, and repaving to tie into the deck infill. <p>The proposed deck infill will result in the addition of 14,000 square feet of deck surface, considered to be a permanent impact to the river. The area of grading will result in slight modifications to existing grades within an area of 19,000 square feet, all of which is located within the developed tidal buffer zone. Additional riprap (340 sq ft) will be installed at the toe of existing riprap to further stabilize the shoreline.</p>	
SECTION 3 - PROJECT LOCATION	
Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.	
ADDRESS: Market Street Marine Terminal	
TOWN/CITY: Portsmouth	
TAX MAP/BLOCK/LOT/UNIT: Map 119/Lot 5	
US GEOLOGICAL SURVEY (USGS) TOPO MAP WATERBODY NAME: Piscataqua River <input type="checkbox"/> N/A	
(Optional) LATITUDE/LONGITUDE in decimal degrees (to five decimal places):	43.08371° North 70.76099° West

SECTION 4 - APPLICANT (DESIRED PERMIT HOLDER) INFORMATION (Env-Wt 311.04(a))		
If the applicant is a trust or a company, then complete with the trust or company information.		
NAME: Marconi, Geno - NH Division of Ports and Harbors		
MAILING ADDRESS: 555 Market Street		
TOWN/CITY: Portsmouth	STATE: NH	ZIP CODE: 03801
EMAIL ADDRESS: g.marconi@peasedev.org		
FAX:	PHONE: 436-8500	
ELECTRONIC COMMUNICATION: By initialing here: _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 5 - AUTHORIZED AGENT INFORMATION (Env-Wt 311.04(c))		
<input type="checkbox"/> N/A		
LAST NAME, FIRST NAME, M.I.: Perron, Christine		
COMPANY NAME: McFarland-Johnson, Inc		
MAILING ADDRESS: 53 Regional Drive		
TOWN/CITY: Concord	STATE: NH	ZIP CODE: 03301
EMAIL ADDRESS: cperron@mjinc.com		
FAX:	PHONE: 225-2978	
ELECTRONIC COMMUNICATION: By initialing here cjp, I hereby authorize NHDES to communicate all matters relative to this application electronically.		
SECTION 6 - PROPERTY OWNER INFORMATION (IF DIFFERENT THAN APPLICANT) (Env-Wt 311.04(b))		
If the owner is a trust or a company, then complete with the trust or company information.		
<input type="checkbox"/> Same as applicant		
NAME:		
MAILING ADDRESS:		
TOWN/CITY:	STATE:	ZIP CODE:
EMAIL ADDRESS:		
FAX:	PHONE:	
ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.		

SECTION 7 - RESOURCE-SPECIFIC CRITERIA ESTABLISHED IN Env-Wt 400, Env-Wt 500, Env-Wt 600, Env-Wt 700, OR Env-Wt 900 HAVE BEEN MET (Env-Wt 313.01(a)(3))

Describe how the resource-specific criteria have been met for each chapter listed above (please attach information about stream crossings, coastal resources, prime wetlands, or non-tidal wetlands and surface waters):

Env-Wt 400: Resources located within the proposed project area include the Piscataqua River, a tidal water with a Cowardin Classification of E1UBL. The total impact area of shading from deck infill will be approximately 14,000 square feet. The project is also located within a Priority Resource Area (PRA) including Tidal Waters and Floodplain Wetlands Adjacent to a Tier 3 Stream. Therefore, based on the impacts to a PRA the proposed project is classified as a Major impact project.

Env-Wt 500: The proposed work will address an existing, permanent commercial/industrial docking structure. Applicable conditions in Chapter 500 have been met. The work will also include the installation of additional riprap at the toe of an existing riprap slope. The high velocities of the river and industrial use of the site preclude the use of vegetative, bioengineered, or sem-natural alternatives to slope stabilization.

Env-Wt 600: All of the required information outlined in Env-Wt 600 has been provided with this application including a Coastal Functional Assessment and a Coastal Vulnerability Assessment. Please refer to the supporting documentation included with this permit application for additional information regarding coastal resources and tidal waters.

Env-Wt 700: Not Applicable - No Prime Wetlands located in the vicinity of the proposed project.

Env-Wt 900: Not Applicable - The proposed project does not involve any stream crossings.

SECTION 8 - AVOIDANCE AND MINIMIZATION

Impacts within wetland jurisdiction must be avoided to the maximum extent practicable (Env-Wt 313.03(a)).* Any project with unavoidable jurisdictional impacts must then be minimized as described in the Wetlands Best Management Practice Techniques For Avoidance and Minimization and the Wetlands Permitting: Avoidance, Minimization and Mitigation Fact Sheet. For minor or major projects, a functional assessment of all wetlands on the project site is required (Env-Wt 311.03(b)(10)).*

Please refer to the application checklist to ensure you have attached all documents related to avoidance and minimization, as well as functional assessment (where applicable). Use the Avoidance and Minimization Checklist, the Avoidance and Minimization Narrative, or your own avoidance and minimization narrative.

*See Env-Wt 311.03(b)(6) and Env-Wt 311.03(b)(10) for shoreline structure exemptions.

SECTION 9 - MITIGATION REQUIREMENT (Env-Wt 311.02)

If unavoidable jurisdictional impacts require mitigation, a mitigation pre-application meeting must occur at least 30 days but not more than 90 days prior to submitting this Standard Dredge and Fill Permit Application.

Mitigation Pre-Application Meeting Date: Month: 07 Day: 28 Year: 2021

N/A - Mitigation is not required

SECTION 10 - THE PROJECT MEETS COMPENSATORY MITIGATION REQUIREMENTS (Env-Wt 313.01(a)(1)c)

Confirm that you have submitted a compensatory mitigation proposal that meets the requirements of Env-Wt 800 for all permanent unavoidable impacts that will remain after avoidance and minimization techniques have been exercised to the maximum extent practicable: I confirm submittal.

N/A – Compensatory mitigation is not required

SECTION 11 - IMPACT AREA (Env-Wt 311.04(g))

For each jurisdictional area that will be/has been impacted, provide square feet (SF) and, if applicable, linear feet (LF) of impact, and note whether the impact is after-the-fact (ATF; i.e., work was started or completed without a permit).

For intermittent and ephemeral streams, the linear footage of impact is measured along the thread of the channel. *Please note, installation of a stream crossing in an ephemeral stream may be undertaken without a permit per Rule Env-Wt 309.02(d), however other dredge or fill impacts should be included below.*

For perennial streams/ivers, the linear footage of impact is calculated by summing the lengths of disturbances to the channel and banks.

Permanent impacts are impacts that will remain after the project is complete (e.g., changes in grade or surface materials).

Temporary impacts are impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

JURISDICTIONAL AREA		PERMANENT			TEMPORARY		
		SF	LF	ATF	SF	LF	ATF
Wetlands	Forested Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Scrub-shrub Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Emergent Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Wet Meadow			<input type="checkbox"/>			<input type="checkbox"/>
	Vernal Pool			<input type="checkbox"/>			<input type="checkbox"/>
	Designated Prime Wetland			<input type="checkbox"/>			<input type="checkbox"/>
	Duly-established 100-foot Prime Wetland Buffer			<input type="checkbox"/>			<input type="checkbox"/>
Surface Water	Intermittent / Ephemeral Stream			<input type="checkbox"/>			<input type="checkbox"/>
	Perennial Stream or River			<input type="checkbox"/>			<input type="checkbox"/>
	Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
	Docking - River			<input type="checkbox"/>			<input type="checkbox"/>
Banks	Bank - Intermittent Stream			<input type="checkbox"/>			<input type="checkbox"/>
	Bank - Perennial Stream / River			<input type="checkbox"/>			<input type="checkbox"/>
	Bank / Shoreline - Lake / Pond			<input type="checkbox"/>			<input type="checkbox"/>
Tidal	Tidal Waters	340	241	<input type="checkbox"/>			<input type="checkbox"/>
	Tidal Marsh			<input type="checkbox"/>			<input type="checkbox"/>
	Sand Dune			<input type="checkbox"/>			<input type="checkbox"/>
	Undeveloped Tidal Buffer Zone (TBZ)			<input type="checkbox"/>			<input type="checkbox"/>
	Previously-developed TBZ	19,000		<input type="checkbox"/>			<input type="checkbox"/>
	Docking - Tidal Water	14,000		<input type="checkbox"/>			<input type="checkbox"/>
TOTAL							

SECTION 12 - APPLICATION FEE (RSA 482-A:3, I)

MINIMUM IMPACT FEE: Flat fee of \$400.

NON-ENFORCEMENT RELATED, PUBLICLY-FUNDED AND SUPERVISED RESTORATION PROJECTS, REGARDLESS OF IMPACT CLASSIFICATION: Flat fee of \$400 (refer to RSA 482-A:3, 1(c) for restrictions).

MINOR OR MAJOR IMPACT FEE: Calculate using the table below:

Permanent and temporary (non-docking): 19,340 SF × \$0.40 = \$ 7,736

Seasonal docking structure: SF × \$2.00 = \$

Permanent docking structure: 14,000 SF × \$4.00 = \$ 56,000

Projects proposing shoreline structures (including docks) add \$400 = \$ 400

Total = \$ 64,000

The application fee for minor or major impact is the above calculated total or \$400, whichever is greater = \$ 10,000

irm@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

SECTION 13 - PROJECT CLASSIFICATION (Env-Wt 306.05)
 Indicate the project classification.

<input type="checkbox"/> Minimum Impact Project	<input type="checkbox"/> Minor Project	<input checked="" type="checkbox"/> Major Project
---	--	---

SECTION 14 - REQUIRED CERTIFICATIONS (Env-Wt 311.11)

Initial each box below to certify:

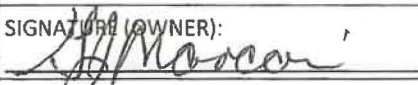
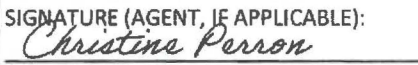
Initials: CJP	To the best of the signer's knowledge and belief, all required notifications have been provided.
----------------------	--

Initials: CJP	The information submitted on or with the application is true, complete, and not misleading to the best of the signer's knowledge and belief.
----------------------	--

Initials: CJP	The signer understands that: <ul style="list-style-type: none"> • The submission of false, incomplete, or misleading information constitutes grounds for NHDES to: <ol style="list-style-type: none"> 1. Deny the application. 2. Revoke any approval that is granted based on the information. 3. If the signer is a certified wetland scientist, licensed surveyor, or professional engineer licensed to practice in New Hampshire, refer the matter to the joint board of licensure and certification established by RSA 310-A:1. • The signer is subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641. • The signature shall constitute authorization for the municipal conservation commission and the Department to inspect the site of the proposed project, except for minimum impact forestry SPN projects and minimum impact trail projects, where the signature shall authorize only the Department to inspect the site pursuant to RSA 482-A:6, II.
----------------------	--

Initials: CJP	If the applicant is not the owner of the property, each property owner signature shall constitute certification by the signer that he or she is aware of the application being filed and does not object to the filing.
----------------------	---

SECTION 15 - REQUIRED SIGNATURES (Env-Wt 311.04(d); Env-Wt 311.11)

SIGNATURE (OWNER): 	PRINT NAME LEGIBLY: Geno Marconi	DATE: 9/7/21
SIGNATURE (APPLICANT, IF DIFFERENT FROM OWNER): _____	PRINT NAME LEGIBLY: Geno Marconi	DATE:
SIGNATURE (AGENT, IF APPLICABLE): 	PRINT NAME LEGIBLY: Christine Perron	DATE: 9/3/21

SECTION 16 - TOWN / CITY CLERK SIGNATURE (Env-Wt 311.04(f))

As required by RSA 482-A:3, I(a)(1), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

TOWN/CITY CLERK SIGNATURE: _____	PRINT NAME LEGIBLY:
-------------------------------------	---------------------

TOWN/CITY: Portsmouth	DATE:
-----------------------	-------

DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3, I(a)(1)

1. IMMEDIATELY sign the original application form and four copies in the signature space provided above.
2. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
3. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board.
4. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

Submit the original permit application form bearing the signature of the Town/City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery at the address at the bottom of this page. Make check or money order payable to "Treasurer – State of NH".

\$595⁰⁰

NHDES-W-01-003



ALTERATION OF TERRAIN PERMIT APPLICATION



Water Division/ Alteration of Terrain Bureau/ Land Resources Management
Check the Status of your Application: www.des.nh.gov/onestop

RSA/ Rule: RSA 485-A:17, Env-Wq 1500

1. APPLICANT INFORMATION (INTENDED PERMIT HOLDER)

Applicant Name: NH Division of Ports & Harbors		Contact Name: Geno Marconi	
Email: g.marconi@peasedev.org		Daytime Telephone: (603) 436-8500	
Mailing Address: 555 Market Street			
Town/City: Portsmouth		State: NH	Zip Code: 03801

2. APPLICANT'S AGENT INFORMATION If none, check here:

Business Name: McFarland-Johnson, Inc.		Contact Name: Brian Colburn	
Email: bcolburn@mjinc.com		Daytime Telephone: 603-766-1870	
Address: 53 Regional Drive			
Town/City: Concord		State: NH	Zip Code: 03301

3. PROPERTY OWNER INFORMATION (IF DIFFERENT FROM APPLICANT)

Applicant Name:		Contact Name:	
Email:		Daytime Telephone:	
Mailing Address:			
Town/City:		State:	Zip Code:

4. PROPERTY OWNER'S AGENT INFORMATION If none, check here:

Business Name:		Contact Name:	
Email:		Daytime Telephone:	
Address:			
Town/City:		State:	Zip Code:

5. CONSULTANT INFORMATION If none, check here:

Engineering Firm: McFarland-Johnson, Inc		Contact Name: Brian Colburn, PE	
Email: bcolburn@mjinc.com		Daytime Telephone: 603-766-1870	
Address: 53 Regional Drive			
Town/City: Concord		State: NH	Zip Code: 03301

6. PROJECT TYPE			
<input checked="" type="checkbox"/> Excavation Only	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	<input type="checkbox"/> Golf Course
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Land Conversion	<input type="checkbox"/> Other:	
<input type="checkbox"/> School <input type="checkbox"/> Municipal			
7. PROJECT LOCATION INFORMATION			
Project Name: Main Wharf Rehabilitation Project			
Street/Road Address: 555 Market Street			
Town/City: Portsmouth		County: Rockingham	
Tax Map: 0119	Block: 0005	Lot Number: 0000	Unit: NA
Location Coordinates: 43.083689, -70.76100		<input checked="" type="checkbox"/> Latitude/Longitude	<input type="checkbox"/> UTM <input type="checkbox"/> State Plane
Post-development, will the proposed project withdraw from or directly discharge to any of the following? If yes, identify the purpose.			
1. Stream or Wetland Purpose: Concrete Deck Proposed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Withdrawal	<input checked="" type="checkbox"/> Discharge
2. Man-made pond created by impounding a stream or wetland Purpose:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Withdrawal	<input type="checkbox"/> Discharge
3. Unlined pond dug into the water table Purpose:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Withdrawal	<input type="checkbox"/> Discharge
Post-development, will the proposed project discharge to:			
• A surface water impaired for phosphorus and/or nitrogen? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - include information to demonstrate that project will not cause net increase in phosphorus and/or nitrogen			
• A Class A surface water or Outstanding Resource Water? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - include information to demonstrate that project will not cause net increase in phosphorus and/or nitrogen			
• A lake or pond not covered previously? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes - include information to demonstrate that project will not cause net increase in phosphorus in the lake or pond			
Is the project a High Load area? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, specify the type of high load land use or activity: t			
Is the project within a Water Supply Intake Protection Area (WSIPA)?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the project within a Groundwater Protection Area (GPA)?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Will the well setbacks identified in Env-Wq 1508.02 be met?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Note: Guidance document titled " <i>Using NHDES's OneStop WebGIS to Locate Protection Areas</i> " is available online. For more details on the restrictions in these areas, read Chapter 3.1 in Volume 2 of the NH Stormwater Manual.			
Is any part of the property within the 100-year floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes: Cut volume: _____ cubic feet within the 100-year floodplain			
Fill volume: _____ cubic feet within the 100-year floodplain			
<input type="checkbox"/> Project IS within ¼ mile of a designated river Name of River:			
<input checked="" type="checkbox"/> Project is NOT within ¼ mile of a designated river			
<input checked="" type="checkbox"/> Project IS within a Coastal/Great Bay Region community - include info required by Env-Wq 1503.08(I) if applicable			
<input type="checkbox"/> Project is NOT within a Coastal/Great Bay Region community			
8. BRIEF PROJECT DESCRIPTION (PLEASE DO NOT REPLY "SEE ATTACHED")			
The project will rehabilitate the main wharf to address the structure's deteriorated condition and cargo handling issues associated with the open area between the wharf and the shore. The project consists of replacement of the failed approach bridge, construction of a deck in the open area, repair of deteriorated caissons and concrete superstructure elements, and grading and drainage.			
9. IF APPLICABLE, DESCRIBE ANY WORK STARTED PRIOR TO RECEIVING PERMIT			
NA			

10. ADDITIONAL REQUIRED INFORMATION

A. Date a copy of the application was sent to the municipality as required by Env-Wq 1503.05(e)¹: / / .
(Attach proof of delivery)

B. Date a copy of the application was sent to the local river advisory committee if required by Env-Wq 1503.05(e)²: / / na.
(Attach proof of delivery)

C. Type of plan required: Land Conversion Detailed Development Excavation, Grading & Reclamation Steep Slope

D. Additional plans required: Stormwater Drainage & Hydrologic Soil Groups Source Control Chloride Management

E. Total area of disturbance: 19,000 square feet

F. Additional impervious cover as a result of the project: 14,000 square feet (use the “-” symbol to indicate a net reduction in impervious coverage).
 Total final impervious cover: square feet

G. Total undisturbed cover: square feet

H. Number of lots proposed: 0

I. Total length of roadway: 0 linear feet

J. Name(s) of receiving water(s): 1

K. Identify all other NHDES permits required for the project, and for each indicate whether an application has been filed and is pending, or if the required approval has been issued provide the permit number, registration date, or approval letter number, as applicable.

Type of Approval	Application Filed?	Status	
		Pending	If Issued:
1. Water Supply Approval	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Permit number:
2. Wetlands Permit	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/>	Permit number:
3. Shoreland Permit	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Permit number:
4. UIC Registration	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Registration date:
5. Large/Small Community Well Approval	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Approval letter date:
6. Large Groundwater Withdrawal Permit	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	Permit number:
7. Other:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	Permit number:

L. List all species identified by the Natural Heritage Bureau as threatened or endangered or of concern: Shortnose Sturgeon, Atlantic Sturgeon, Peregrine Falcon, Eelgrass beds

M. Using NHDES’s Web GIS OneStop program (www2.des.state.nh.us/gis/onestop/), with the Surface Water Impairment layer turned on, list the impairments identified for each receiving water. If no pollutants are listed, enter “N/A.” ENTEROCOCCUS, ESTUARINE BIOASSESSMENTS

N. Did the applicant/applicant’s agent have a pre-application meeting with AOT staff? Yes No
 If yes, name of staff member: Mike Hansen

O. Will blasting of bedrock be required? Yes No If yes, estimated quantity of blast rock: cubic yards
 If yes, standard blasting BMP notes must be placed on the plans, available at:
<http://des.nh.gov/organization/commissioner/pip/publications/wd/documents/wd-10-12.pdf>
NOTE: If greater than 5,000 cubic yards of blast rock will be generated, a groundwater monitoring program must be developed and submitted to NHDES. Contact AOT staff for additional detail.

¹ Env-Wq 1503.05(c)(6), requires proof that a completed application form, checklist, plans and specifications, and all other supporting materials have been sent or delivered to the governing body of each municipality in which the project is proposed.

² Env-Wq 1503.05(c)(6), requires proof that a completed application form, checklist, plans and specifications, and all other supporting materials have been sent or delivered to the Local River Advisory Committee, if the project is within ¼ mile of a designated river.

11. CHECK ALL APPLICATION ATTACHMENTS THAT APPLY (SUBMIT WITH APPLICATION IN ORDER LISTED)**LOOSE:**

- Signed application form: des.nh.gov/organization/divisions/water/aot/index.htm (with attached proof(s) of delivery)
- Check for the application fee: des.nh.gov/organization/divisions/water/aot/fees.htm
- Color copy of a USGS map with the property boundaries outlined (1" = 2,000' scale)
- If Applicant is not the property owner, proof that the applicant will have a legal right to undertake the project on the property if a permit is issued to the applicant.

BIND IN A REPORT IN THE FOLLOWING ORDER:

- Copy of the signed application form & application checklist (des.nh.gov/organization/divisions/water/aot/index.htm)
- Copy of the check
- Copy of the USGS map with the property boundaries outlined (1" = 2,000' scale)
- Narrative of the project with a summary table of the peak discharge rate for the off-site discharge points
- Web GIS printout with the "Surface Water Impairments" layer turned on - <http://www4.des.state.nh.us/onestopdatamapper/onestopmapper.aspx>
- Web GIS printouts with the AOT screening layers turned on - <http://www4.des.state.nh.us/onestopdatamapper/onestopmapper.aspx>
- NHB letter using DataCheck Tool – www.nhdf.org/about-forests-and-lands/bureaus/natural-heritage-bureau/
- The Web Soil Survey Map with project's watershed outlined – websoilsurvey.nrcs.usda.gov
- Aerial photograph (1" = 2,000' scale with the site boundaries outlined)
- Photographs representative of the site
- Groundwater Recharge Volume calculations (one worksheet for each permit application): des.nh.gov/organization/divisions/water/aot/documents/bmp_worksh.xls
- BMP worksheets (one worksheet for each treatment system): des.nh.gov/organization/divisions/water/aot/documents/bmp_worksh.xls
- Drainage analysis, stamped by a professional engineer (see Application Checklist for details)
- Riprap apron or other energy dissipation or stability calculations
- Site Specific Soil Survey report, stamped and with a certification note prepared by the soil scientist that the survey was done in accordance with the Site Specific Soil Mapping standards, *Site-Specific Soil Mapping Standards for NH & VT, SSSNNE Special Publication No. 3*.
- Infiltration Feasibility Report (example online) [Env-Wq 1503.08(f)(3)]
- Registration and Notification Form for Storm Water Infiltration to Groundwater (UIC Registration-for underground systems only, including drywells and trenches): (http://des.nh.gov/organization/divisions/water/dwgb/dwspp/gw_discharge)
- Inspection and maintenance manual with, if applicable, long term maintenance agreements [Env-Wq 1503.08(g)]
- Source control plan

PLANS:

- One set of design plans on 34 - 36" by 22 - 24" white paper (see Application Checklist for details)
- Pre & post-development color coded soil plans on 11" x 17" (see Application Checklist for details)
- Pre & post-development drainage area plans on 34 - 36" by 22 - 24" white paper (see Application Checklist for details)

100-YEAR FLOODPLAIN REPORT:

- All information required in Env-Wq 1503.09, submitted as a separate report.

ADDITIONAL INFORMATION RE: NUTRIENTS, CLIMATE

- See Checklist for Details

- REVIEW APPLICATION FOR COMPLETENESS & CONFIRM INFORMATION LISTED ON THE APPLICATION IS INCLUDED WITH SUBMITTAL.

12. REQUIRED SIGNATURES

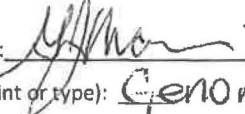
By initialing here, I acknowledge that I am required by Env-Wq 1503.20(e) to submit a copy of all approved documents to the department in PDF format on a CD within one week after permit approval.

By signing below, I certify that:

- The information contained in or otherwise submitted with this application is true, complete, and not misleading to the best of my knowledge and belief;
- I understand that the submission of false, incomplete, or misleading information constitutes grounds for the department to deny the application, revoke any permit that is granted based on the information, and/or refer the matter to the board of professional engineers established by RSA 310-A:3 if I am a professional engineer; and
- I understand that I am subject to the penalties specified in New Hampshire law for falsification in official matters, currently RSA 641.

APPLICANT

APPLICANT'S AGENT:

Signature: 
Name (print or type): Geno Marconi

Date: 9/7/2021
Title: Director

PROPERTY OWNER

PROPERTY OWNER'S AGENT:

Signature: _____
Name (print or type): _____

Date: _____
Title: _____

ATTACHMENT A: ALTERATION OF TERRAIN PERMIT APPLICATION CHECKLIST

Check the box to indicate the item has been provided or provide an explanation why the item does not apply.

DESIGN PLANS

- Plans printed on 34 - 36" by 22 - 24" white paper
- PE stamp
- Wetland delineation
- Temporary erosion control measures
- Treatment for all stormwater runoff from impervious surfaces such as roadways (including gravel roadways), parking areas, and non-residential roof runoff. Guidance on treatment BMPs can be found in Volume 2, Chapter 4 of the NH Stormwater Management Manual.
- Pre-existing 2-foot contours
- Proposed 2-foot contours
- Drainage easements protecting the drainage/treatment structures
- Compliance with the Wetlands Bureau, RSA 482- A <http://des.nh.gov/organization/divisions/water/wetlands/index.htm>. Note that artificial detention in wetlands is not allowed.
- Compliance with the Comprehensive Shoreland Protection Act, RSA 483-B. <http://des.nh.gov/organization/divisions/water/wetlands/cspa>
- Benches. Benching is needed if you have more than 20 feet change in elevation on a 2:1 slope, 30 feet change in elevation on a 3:1 slope, 40 feet change in elevation on a 4:1 slope.
- Check to see if any proposed ponds need state Dam permits.
<http://des.nh.gov/organization/divisions/water/dam/documents/damdef.pdf>

DETAILS

- Typical roadway x-section
- Detention basin with inverts noted on the outlet structure
- Stone berm level spreader
- Outlet protection – riprap aprons
- A general installation detail for an erosion control blanket
- Silt fences or mulch berm
- Storm drain inlet protection. Note that since hay bales must be embedded 4 inches into the ground, they are not to be used on hard surfaces such as pavement.
- Hay bale barriers
- Stone check dams
- Gravel construction exit
- Temporary sediment trap
- The treatment BMP's proposed
- Any innovative BMP's proposed

CONSTRUCTION SEQUENCE/EROSION CONTROL

- Note that the project is to be managed in a manner that meets the requirements and intent of RSA 430:53 and Chapter Agr 3800 relative to invasive species.
- Note that perimeter controls shall be installed prior to earth moving operations.
- Note that temporary water diversion (swales, basins, etc) must be used as necessary until areas are stabilized.
- Note that ponds and swales shall be installed early on in the construction sequence (before rough grading the site).
- Note that all ditches and swales shall be stabilized prior to directing runoff to them.
- Note that all roadways and parking lots shall be stabilized within 72 hours of achieving finished grade.
- Note that all cut and fill slopes shall be seeded/loamed within 72 hours of achieving finished grade
- Note that all erosion controls shall be inspected weekly AND after every half-inch of rainfall.
- Note the limits on the open area allowed, see Env-Wq 1505.02 for detailed information.

Example note: The smallest practical area shall be disturbed during construction, but in no case shall exceed 5 acres at any one time before disturbed areas are stabilized.

- Note the definition of the word "stable"

Example note: An area shall be considered stable if one of the following has occurred:

- Base course gravels have been installed in areas to be paved.
- A minimum of 85 percent vegetated growth has been established.
- A minimum of 3 inches of non-erosive material such stone or riprap has been installed.
- Or, erosion control blankets have been properly installed.

- Note the limit of time an area may be exposed
Example note: All areas shall be stabilized within 45 days of initial disturbance.

- Provide temporary and permanent seeding specifications. (Reed canary grass is listed in the Green Book; however, this is a problematic species according to the Wetlands Bureau and therefore should not be specified)

- Provide winter construction notes that meet or exceed our standards.

Standard Winter Notes:

- All proposed vegetated areas that do not exhibit a minimum of 85 percent vegetative growth by October 15, or which are disturbed after October 15, shall be stabilized by seeding and installing erosion control blankets on slopes greater than 3:1, and seeding and placing 3 to 4 tons of mulch per acre, secured with anchored netting, elsewhere. The installation of erosion control blankets or mulch and netting shall not occur over accumulated snow or on frozen ground and shall be completed in advance of thaw or spring melt events.
- All ditches or swales which do not exhibit a minimum of 85 percent vegetative growth by October 15, or which are disturbed after October 15, shall be stabilized temporarily with stone or erosion control blankets appropriate for the design flow conditions.
- After October 15, incomplete road or parking surfaces, where work has stopped for the winter season, shall be protected with a minimum of 3 inches of crushed gravel per NHDOT item 304.3.

- Note at the end of the construction sequence that "Lot disturbance, other than that shown on the approved plans, shall not commence until after the roadway has the base course to design elevation and the associated drainage is complete and stable." – This note is applicable to single/duplex family subdivisions, when lot development is not part of the permit.

DRAINAGE ANALYSES

Please double-side 8 1/2" x 11" sheets where possible but, do not reduce the text such that more than one page fits on one side.

PE stamp

Rainfall amount obtained from the Northeast Regional Climate Center- <http://precip.eas.cornell.edu/>. Include extreme precipitation table as obtained from the above referenced website.

Drainage analyses, in the following order:

- Pre-development analysis: Drainage diagram.
- Pre-development analysis: Area Listing and Soil Listing.
- Pre-development analysis: Node listing 1-year (if applicable), 2-year, 10-year and 50-year.
- Pre-development analysis: Full summary of the 10-year storm.
- Post-development analysis: Drainage diagram.
- Post-development analysis: Area Listing and Soil Listing.
- Post-development analysis: Node listing for the 2-year, 10-year and 50-year.
- Post-development analysis: Full summary of the 10-year storm.

Review the Area Listing and Soil Listing reports

- Hydrologic soil groups (HSG) match the HSGs on the soil maps provided.
- There is the same or less HSG A soil area after development (check for each HSG).
- There is the same or less "woods" cover in the post-development.
- Undeveloped land was assumed to be in "good" condition.
- The amount of impervious cover in the analyses is correct.

Note: A good check is to subtract the total impervious area used in the pre analysis from the total impervious area used in the post-analysis. For residential projects without demolition occurring, a good check is to take this change in impervious area, subtract out the roadway and divide the remaining by the number of houses/units proposed. Do these numbers make sense?

Check the storage input used to model the ponds.

Check to see if the artificial berms pass the 50-year storm, i.e., make sure the constructed berms on ponds are not overtopped.

Check the outlet structure proposed and make sure it matches that modeled.

Check to see if the total areas in the pre and post analyses are same.

Confirm the correct NRCS storm type was modeled (Coos, Carroll & Grafton counties are Type II, all others Type III).

PRE- AND POST-DEVELOPMENT DRAINAGE AREA PLANS

Plans printed on 34 - 36" by 22 - 24" on white paper.

Submit these plans separate from the soil plans.

A north arrow.

A scale.

Labeled subcatchments, reaches and ponds.

Tc lines.

A clear delineation of the subcatchment boundaries.

Roadway station numbers.

Culverts and other conveyance structures.

PRE AND POST-DEVELOPMENT COLOR-CODED SOIL PLANS

NHDES-W-01-003

- 11" x 17" sheets suitable, as long as it is readable.
- Submit these plans separate from the drainage area plans.
- A north arrow.
- A scale.
- Name of the soil scientist who performed the survey and date the soil survey took place.
- 2-foot contours (5-foot contours if application is for a gravel pit) as well as other surveyed features.
- Delineation of the soil boundaries and wetland boundaries.
- Delineation of the subcatchment boundaries.
- Soil series symbols (e.g., 26).
- A key or legend which identifies each soil series symbol and its associated soil series name (e.g., 26 = Windsor).
- The hydrologic soil group color coding (A = Green, B = yellow, C= orange, D=red, Water=blue, & Impervious = gray).

Please note that excavation projects (e.g., gravel pits) have similar requirements to that above, however the following are common exceptions/additions:

- Drainage report is not needed if site does not have off-site flow.
- 5 foot contours allowed rather than 2 foot.
- No PE stamp needed on the plans.
- Add a note to the plans that the applicant must submit to the Department of Environmental Services a written update of the project and revised plans documenting the project status every five years from the date of the Alteration of Terrain permit.
- Add reclamation notes.

See NRCS publication titled: *Vegetating New Hampshire Sand and Gravel Pits* for a good resource, it is posted online at:
<http://des.nh.gov/organization/divisions/water/aot/categories/publications>.

ADDITIONAL INFORMATION RE: NUTRIENTS, CLIMATE

- If project will discharge stormwater to a surface water impaired for phosphorus and/or nitrogen, include information to demonstrate that project will not cause net increase in phosphorus and/or nitrogen.
- If project will discharge stormwater to a Class A surface water or Outstanding Resource Water, include information to demonstrate that project will not cause net increase in phosphorus and/or nitrogen.
- If project will discharge stormwater to a lake or pond not covered previously, include information to demonstrate that project will not cause net increase in phosphorus in the lake or pond.
- If project is within a Coastal/Great Bay Region community, include info required by Env-Wq 1503.08(l) if applicable.

ridge.mauck@des.nh.gov or (603) 271-2147

NHDES Alteration of Terrain Bureau, PO Box 95, Concord, NH 03303-0095
www.des.nh.gov