



The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

October 28, 2019

His Excellency, Governor Christopher T. Sununu
 and The Honorable Council
 State House
 Concord, NH 03301

REQUESTED ACTION

Approve Michelle Momenee's request to perform the following work on Squamscott River in Newfields. File # 2019-00815. This project will not have significant impact on or adversely affect the values of Squamscott River.

Impact 40 square feet of previously developed upland tidal buffer zone and 473 square feet of tidal wetland to construct a new tidal docking structure. The structure consists of a 4 foot by 10 foot access way (located landward of the highest observable tide line) connected to a 4 foot by 42 foot fixed pier connected to a 3 foot by 35 foot ramp connected to a 10 foot by 20 foot float. The overall structure length seaward of the highest observable tide line is 87 feet, providing one slip on 172 feet of frontage on the Squamscott River. In addition, the project will impact 244 square feet of tidal wetland to restore salt marsh and 240 square feet of previously developed upland tidal buffer zone to relocate an existing boat house from the salt marsh to previously developed upland tidal buffer zone; 420 square feet of previously developed upland tidal buffer zone will be temporarily impacted for construction access and installation.

The New Hampshire Department of Environmental Services (NHDES) imposed the following conditions as part of this approval:

1. All work shall be in accordance with plans by Ambit Engineering dated December 2018, and revised through August 05, 2019, last received by the NH Department of Environmental Services (NHDES) on August 08, 2019.
2. This permit shall not be effective until recorded at the Rockingham County Registry of Deeds Office by the permittee. A copy of the recorded permit shall be submitted to the NHDES Wetlands Bureau prior to construction.
3. Not less than 5 state business days prior to starting work authorized by this permit, the permittee shall notify the NHDES Wetlands Bureau Pease office and the local conservation commission in writing of the date on which work under this permit is expected to start.
4. Any future work in jurisdiction as specified in RSA 482-A on this property will require a new application and approval by the NHDES Wetlands Bureau.
5. No person undertaking any activity shall cause or contribute to, or allow the activity to cause or contribute to, any violations of the surface water quality standards in RSA 485-A and New Hampshire Administrative Rule Env-Wq 1700.

6. This permit does not authorize the removal of trees or saplings within the waterfront buffer that would result in a tree and sapling point score below the minimum required per RSA 483-B:9, V, (a)(2)(D)(iv).
7. There shall be no removal of mature trees along the shoreline of the river on this property associated with the construction of the dock and access way.
8. Native vegetation within an area of at least 25% of the Natural Woodland Buffer located between 50 and 150 feet landward of the reference line shall be retained in an unaltered state in order to comply with RSA 483-B:9, V, (b), (2).
9. This tidal docking structure consisting of a 4 foot by 10 foot access way (located landward of the highest observable tide line) connected to a 4 foot by 42 foot fixed pier connected to a 3-foot by 35 foot ramp connected to a 10 foot by 20 foot float with an overall structure length seaward of the highest observable tide line of 87 feet, providing one slip on 172 feet of frontage along the Squamscott River shall be the only docking structure on this water frontage.
10. Construction of the dock and demolition of the existing boat house shall occur from a barge equipped with a crane, at low tide, seaward of any emergent vegetation, to reduce potential impacts to the river bank and the estuarine intertidal and subtidal wetlands.
11. Pile driving or pile removal work shall be done during low tide.
12. Pilings to be removed shall be cut level with the substrate rather than pulled, in order to limit the creation of turbidity.
13. The height of the pier's decking over the surface of the tidal marsh at mean high tide shall be equal to or greater than the width of the decking.
14. Decking shall have at least 3/4-inch spacing between the decking planks to provide sufficient sunlight penetration and rainfall to underlying vegetation.
15. The seasonal structures, including the gangway and float, shall be removed during the non-boating season and stored on the existing pier or in an upland location.
16. All construction-related debris shall be properly disposed of outside of the areas subject to RSA 482-A.
17. The permittee or permittee's contractor shall properly restore the salt marsh, in accordance with the approved plans and narratives, and shall take such remedial actions as may be necessary to re-establish native vegetation and natural condition similar to that of the adjacent salt marsh area. Remedial measures may include re-planting, relocating plantings and/or removal of invasive species.
18. To prevent the import or export of invasive plant species to and from the site, the permittee's contractor(s) shall clean all soils and vegetation from construction equipment and matting before such equipment is moved to or from the site.
19. Work shall be conducted in a manner so as to minimize turbidity and sedimentation to surface waters and wetlands.
20. Work shall be conducted in a manner that avoids excessive discharges of sediments to fish spawning areas.
21. Appropriate siltation/erosion/turbidity controls shall be in place prior to construction, shall be maintained during construction, and shall remain in until the area is stabilized.
22. The contractor responsible for completion of the work shall use techniques described in the New Hampshire Stormwater Manual, Volume 3, Erosion and Sediment Controls During Construction (December 2008).
23. Construction equipment shall be inspected daily for leaking fuel, oil, and hydraulic fluid prior to entering surface waters or wetlands or operating in an area where such fluids could reach groundwater, surface waters, or wetlands.

24. The permittee's contractor shall maintain appropriate oil/diesel fuel spill kits on site that are readily accessible at all times during construction, and shall train each operator in the use of the kits.
25. Within three days of final grading or temporary suspension of work in an area that is adjacent to wetlands or surface waters, all exposed soil areas shall be stabilized by seeding and mulching during the growing season, or if not within the growing season, by mulching with tack or netting and pinning on slopes steeper than 3:1.

MONITORING:

26. A certified wetlands scientist or qualified professional, as applicable, shall be on-site to monitor the project during restoration activities to verify that all work is done in accordance with the approved plans and narratives, adequate siltation and erosion controls are properly implemented, no water quality violations occur and salt marsh vegetation is installed and established successfully.
27. The permittee or permittee's contractor shall conduct a follow-up inspection in October or November following the first two (2) growing seasons to review the success of the restored salt marsh area and to schedule remedial actions if necessary.
28. The permittee shall notify the NHDES Wetlands Bureau in writing of the certified wetlands scientist or qualified professional, as applicable, who will be responsible for monitoring and ensuring that the project area is constructed and restored in accordance with the approved plans. The permittee shall re-notify the NHDES Wetlands Bureau if the identity of the individual changes during the project.
29. A report prepared by the Certified Wetland Scientist or Qualified Professional, as applicable, documenting status of the restored jurisdictional area, including photographs, shall be submitted to the NHDES Wetlands Bureau (Stefanie.Giallongo@des.nh.gov) within 60 days of the completion of restoration activities and by December 31st following each annual inspection for two (2) consecutive growing seasons upon completion of the project.
30. The restored area shall have at least 75% successful establishment of native salt marsh vegetation after two (2) growing seasons, or shall be replanted and re-established until the function is replicated in a manner satisfactory to the NHDES Wetlands Bureau.

EXPLANATION

The NHDES approved this project on September 09, 2019. The NHDES supported its decision with the following findings:

1. This is a Major Project per New Hampshire Administrative Rule Env-Wt 303.02(a), projects in sand dunes, tidal wetlands, or bogs, except for the repair of existing structures pursuant to New Hampshire Administrative Rule Env-Wt 303.04(v).
2. The applicant has provided evidence which demonstrates that this proposal is the alternative with the least adverse impact to areas and environments under the department's jurisdiction per New Hampshire Administrative Rule Env-Wt 302.03.
3. The project includes relocation of an existing boat house currently located within the salt marsh to a new location landward within the previously-developed upland tidal buffer zone. The area of the existing boat house will be restored and monitored for two consecutive growing seasons to ensure successful establishment of native salt marsh vegetation.
4. The dock is the minimum length necessary to provide full access for the majority of the tidal cycle at this location.

5. The float will be supported by float stops in order to maintain a minimum 18 inches of clearance above the mud at low tide.
6. The decking will have a minimum of have 3/4-inch spacing between planks.
7. A barge and crane will be utilized to complete construction of the dock and demolition of the existing boat house from the water, to minimize adverse impacts to the river bank and the estuarine intertidal and subtidal wetlands.
8. In correspondence dated April 04, 2019, signed authorization was provided by the applicant to allow their agent to act on their behalf throughout the permitting process.
9. The applicant has demonstrated by plan and example that each factor listed in New Hampshire Administrative Rule Env-Wt 302.04(a) and (c), Requirements for Application Evaluation, has been considered in the design of the project.
10. The NH Natural Heritage Bureau (NHB) has record of sensitive plant species and exemplary natural communities within the vicinity of the project (NHB19-0271).
11. In correspondence dated March 19 through April 05, 2019, NHB coordinated with the applicant's agent to ensure that impacts to the underlying salt marsh will be minimized to the maximum extent practicable.
12. NHDES staff field inspection on May 09, 2019 found that the site is accurately represented in the application.
13. In accordance with RSA 482-A:8, NHDES finds that the requirements for a public hearing do not apply as the permitted project is not of substantial public interest, and will not have a significant impact on or adversely affect the values of the estuarine resource, as identified under RSA 482-A:1.
14. In correspondence dated April 11, 2019 the Pease Development Authority, Division of Ports and Harbors, determined that the project would have no negative effect on navigation in the channel.
15. In correspondence dated March 19, 2019 the Newfields Conservation Commission stated no opposition to the project as proposed.
16. In correspondence dated April 05, 2019, the NH Division of Historical Resources found that the project will not have an adverse effect on historical properties.
17. In accordance with NH Administrative Rule Env-Wt 304.04, in correspondence dated February 21, 2019, signed authorization was obtained from the abutting property owner, to which the project will occur within 20 feet of the shared property boundary.
18. The proposed project is located within a Designated River Corridor and proper notification to the local river management advisory committee (Exeter-Squamscott River Local Advisory Committee; ESRLAC) was sent on March 21, 2019.
19. In correspondence dated March 28, 2019, ESRLAC provided a review of the application, which has been incorporated into the final approved plan and permit conditions.
20. No other comments of concern were received by the NHDES from abutters or local governing organizations.

Application file documents are being forwarded to the Governor and the Executive Council in connection with their consideration of this matter pursuant to RSA 482-A:3,II.(a) as it is a major project in public waters of the state.

We respectfully request your approval of this item.



Robert R. Scott, Commissioner



WETLANDS PERMIT APPLICATION

Land Resources Management

Wetlands Bureau

Check the status of your application: www.des.nh.gov/onestop



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

RECEIVED MAR 18 2019 LAND RESOURCES MANAGEMENT	COMPLETE MAR 18 2019	INCOMPLETE MAR 19 2019	2019-0815 2590 4/13/20 706
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1. REVIEW TIME:
 Indicate your Review Time below. Refer to Guidance Document A for instructions.

Standard Review (Minimum Minor or Major Impact) Expedited Review (Minimum Impact only)

2. PROJECT LOCATION:
 Separate applications must be filed with each municipality that jurisdictional impacts will occur in.

ADDRESS: 3 Route 108 TOWN/CITY: Newfields

TAX MAP: 202 BLOCK: LOT: 1 UNIT:

USGS TOPO MAP WATERBODY NAME: Squamscott River NA STREAM WATERSHED SIZE: NA

LOCATION COORDINATES (If known): X: 1,181,482.0113 Y: 197,521.1495

State Plane Latitude/Longitude UTM

3. PROJECT DESCRIPTION:
 Provide a brief description of the project outlining the scope of work. Attach additional sheets as needed to provide a detailed explanation of your project. **DO NOT** reply. See Attached in the space provided below.

The project proposes 473 s. f. of perm. impact and 538 s. f. of temp. construction impact to tidal wetlands, and 64 s. f. of perm. impact and 283 s. f. of temp. construction impact to the previously developed 100' Tidal Buffer Zone for "in-kind" replacement of an existing boathouse and construction of a tidal docking structure consisting of a 4' x 16' accessway, a 4' x 42' fixed pier, a 3' x 35' aluminum gangway, and 10' x 20' float located by moorings (overall structure length 87') providing one slip on 150 feet of frontage.

4. SHORELINE FRONTAGE:

NA This lot has no shoreline frontage. SHORELINE FRONTAGE: 150 feet

Shoreline frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line.

5. RELATED PERMITS, ENFORCEMENT, EMERGENCY AUTHORIZATION, SHORELAND, ALTERATION OF TERRAIN, ETC.

6. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS:
 See the Instructions & Required Attachments document for instructions to complete a & b below.

a. Natural Heritage Bureau File ID: NHB 19 - 0271

DESIGNATED RIVER
 REVIEW UNDER RSA 483

b. Designated River the project is in ¼ miles of _____; and
 date a copy of the application was sent to the Local River Management Advisory Committee: Month: ___ Day: ___ Year: ___

NA



WETLANDS PERMIT APPLICATION

Land Resources Management
Wetlands Bureau

Check the status of your application: www.des.nh.gov/onestop



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

1. REVIEW TIME
Indicate your Review Time below. Refer to Guidance Document A for instructions.

Standard Review (Minimum, Minor or Major Impact) Expedited Review (Minimum Impact only)

2. PROJECT LOCATION
Separate applications must be filed with each municipality that jurisdictional impacts will occur in.

ADDRESS: **3 Route 108** TOWN/CITY: **Newfields**

TAX MAP: **202** BLOCK: LOT: **1** UNIT:

USGS TOPO MAP WATERBODY NAME: **Squamscott River** NA STREAM WATERSHED SIZE: NA

LOCATION COORDINATES (if known): **X:1,181,482.0113 Y:197,521.1495** Latitude/Longitude UTM State Plane

3. PROJECT DESCRIPTION
Provide a brief description of the project outlining the scope of work. Attach additional sheets as needed to provide a detailed explanation of your project. DO NOT reply see Attached in the space provided below.

The project proposes 473 s. f. of perm. impact and 538 s. f. of temp. construction impact to tidal wetlands, and 64 s. f. of perm. impact and 283 s. f. of temp. construction impact to the previously developed 100' Tidal Buffer Zone for "in-kind" replacement of an existing boathouse and construction of a tidal docking structure consisting of a 4' x 16' accessway, a 4' x 42' fixed pier, a 3' x 35' aluminum gangway, and 10' x 20' float located by moorings (overall structure length 87') providing one slip on 150 feet of frontage.

4. SHORELINE FRONTAGE

NA This lot has no shoreline frontage. SHORELINE FRONTAGE: **150 feet**

Shoreline frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line.

5. RELATED PERMITS, ENFORCEMENT, EMERGENCY AUTHORIZATION, SHORELAND, ALTERATION OF TERRAIN, ETC.

6. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS
See the Instructions & Required Attachments document for instructions to complete a & b below.

a. Natural Heritage Bureau File ID: NHB **19** - **0271**

b. Designated River the project is in ¼ miles of: **Squamscott River**; and date a copy of the application was sent to the Local River Management Advisory Committee: Month: **3** Day: **21** Year: **2019**

NA

shoreland@des.nh.gov or (603) 271-2147
NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095
www.des.nh.gov

7. APPLICANT INFORMATION (Desired permit holder)

LAST NAME, FIRST NAME, M.I.: **Momenee, Michelle, D.**

TRUST / COMPANY NAME: _____ MAILING ADDRESS: _____

TOWN/CITY: _____ STATE: _____ ZIP CODE: _____

EMAIL or FAX: _____ PHONE: _____

ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.

8. PROPERTY OWNER INFORMATION (if different than applicant)

LAST NAME, FIRST NAME, M.I.: _____

TRUST / COMPANY NAME: _____ MAILING ADDRESS: _____

TOWN/CITY: _____ STATE: _____ ZIP CODE: _____

EMAIL or FAX: _____ PHONE: _____

ELECTRONIC COMMUNICATION: By initialing here _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.

9. AUTHORIZED AGENT INFORMATION

LAST NAME, FIRST NAME, M.I.: **Riker, Steven, D.**

COMPANY NAME: **Ambit Engineering, Inc.**

MAILING ADDRESS: **200 Griffin Road, Unit 3**

TOWN/CITY: **Portsmouth** STATE: **NH** ZIP CODE: **03801**

EMAIL or FAX: **sdr@ambitengineering.com** PHONE: **603-430-9282**

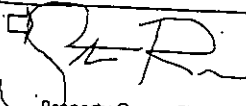
ELECTRONIC COMMUNICATION: By initialing here *SR*, I hereby authorize NHDES to communicate all matters relative to this application electronically.

10. PROPERTY OWNER SIGNATURE

See the Instructions & Required Attachments document for clarification of the below statements.

By signing the application, I am certifying that:

- I authorize the applicant and/or agent indicated on this form to act in my behalf in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.
- I have reviewed and submitted information & attachments outlined in the Instructions and Required Attachment document.
- All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900.
- I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type.
- I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative.
- Any structure that I am proposing to repair/replace was either previously permitted by the Wetlands Bureau or would be considered grandfathered per Env-Wt 101.47.
- I have submitted a Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) to the NH State Historic Preservation Officer (SHPO) at the NH Division of Historical Resources to identify the presence of historical/ archeological resources while coordinating with the lead federal agency for NHPA 106 compliance.
- I authorize NHDES and the municipal conservation commission to inspect the site of the proposed project.
- I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate.
- I understand that the willful submission of falsified or misrepresented information to the New Hampshire Department of Environmental Services is a criminal act, which may result in legal action.
- I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining.

	Agent-See Authorization	Steven D. Riker	3 / 15 / 19
Property Owner Signature		Print name legibly	Date

shoreland@des.nh.gov or (603) 271-2147
 NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095
www.des.nh.gov

MUNICIPAL SIGNATURES

11. CONSERVATION COMMISSION SIGNATURE

The signature below certifies that the municipal conservation commission has reviewed this application, and:

1. Waives its right to intervene per RSA 482-A:11.
2. Believes that the application and submitted plans accurately represent the proposed project, and
3. Has no objection to permitting the proposed work.

<input type="checkbox"/>	Print name legibly	Date
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DIRECTIONS FOR CONSERVATION COMMISSION

1. Expedited review ONLY requires that the conservation commission's signature is obtained in the space above.
2. Expedited review requires the Conservation Commission signature be obtained prior to the submittal of the original application to the Town/City Clerk for signature.
3. The Conservation Commission may refuse to sign. If the Conservation Commission does not sign this statement for any reason, the application is not eligible for expedited review and the application will reviewed in the standard review time frame.

12. TOWN / CITY CLERK SIGNATURE

As required by Chapter 482-A:3 (amended 2014), 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	Sue E. McKinnon Print name legibly	Newfields Town/City	3/15/19 Date
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DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3:

1. For applications where "Expedited Review" is checked on page 1, if the Conservation Commission signature is not present, NHDES will accept the permit application; but it will NOT receive the expedited review time.
2. IMMEDIATELY sign the original application form and four copies in the signature space provided above;
3. 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.
4. 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; and
5. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

1. Submit the single, 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.

shoreland@des.nh.gov or (603) 271-2147
 NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095
www.des.nh.gov

13: IMPACT AREA
 For each jurisdictional area that will be/has been impacted, provide square feet and, if applicable, linear feet of impact.
 Permanent impacts that will remain after the project is complete.
 Temporary impacts not intended to remain (and will be restored to pre-construction conditions) after the project is complete.

JURISDICTIONAL AREA	PERMANENT Sq. Ft. / Lin. Ft.	TEMPORARY, Sq. Ft. / Lin. Ft.
Forested wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Scrub-shrub wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Emergent wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Wet meadow	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Intermittent stream	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Perennial Stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Intermittent stream	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Perennial stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Tidal water	/ <input type="checkbox"/> ATF	538 / <input type="checkbox"/> ATF
Salt marsh	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Sand dune	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland buffer	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Undeveloped Tidal Buffer Zone (TBZ)	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	64 <input type="checkbox"/> ATF	283 <input type="checkbox"/> ATF
Docking - Lake / Pond	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - River	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Tidal Water	473 <input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	537 /	821 /

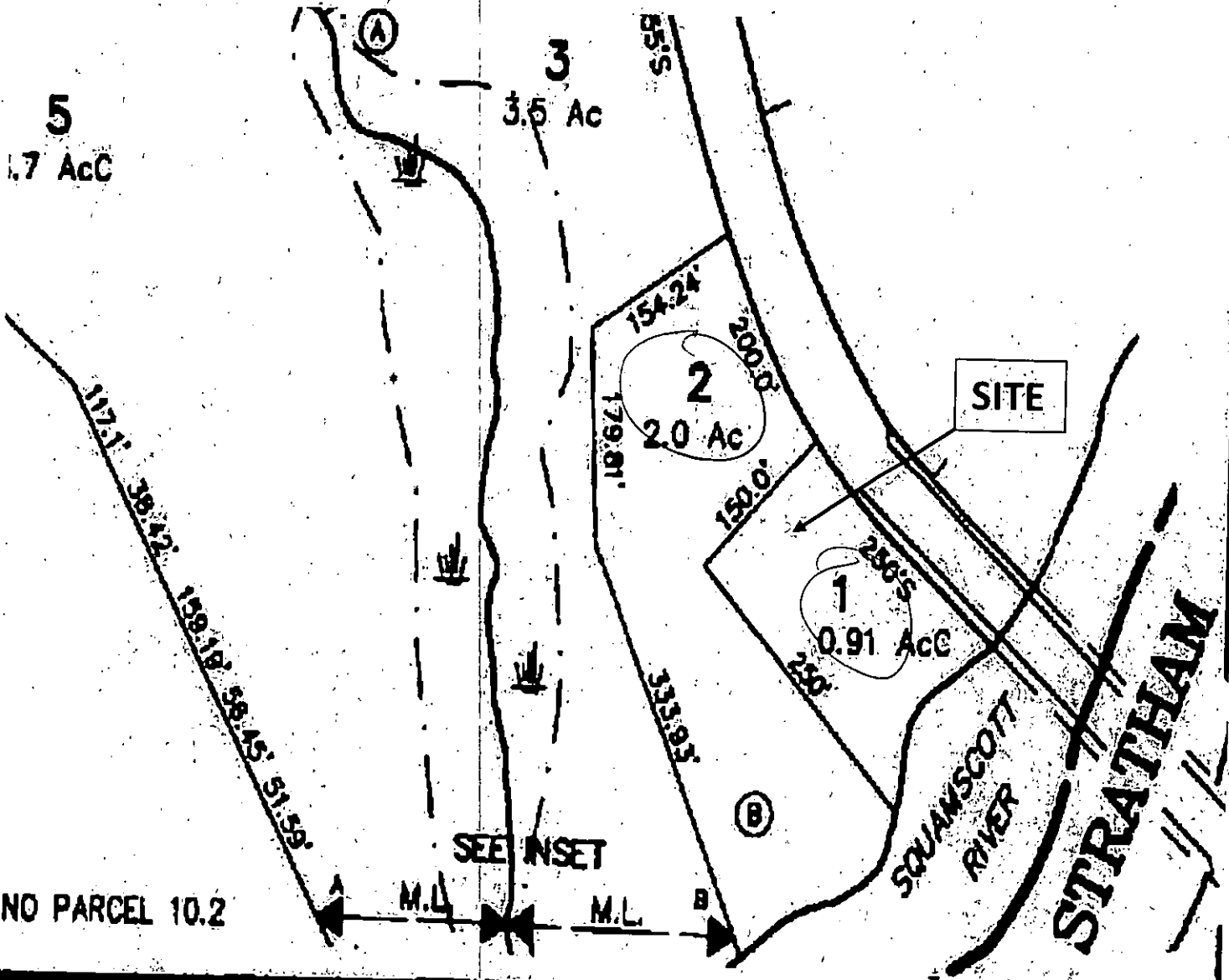
14: APPLICATION FEE: See the Instructions & Required Attachments document for further instruction

- Minimum Impact Fee: Flat fee of \$ 200
- Minor or Major Impact Fee: Calculate using the below table below

Permanent and Temporary (non-docking)	821 sq. ft.	X \$0.20 =	\$ 164.20
Temporary (seasonal) docking structure:	305 sq. ft.	X \$1.00 =	\$ 305.00
Permanent docking structure:	232 sq. ft.	X \$2.00 =	\$ 464.00
Projects proposing shoreline structures (including docks) add \$200 =			\$ 200.00
Total =			\$ 1,133.20

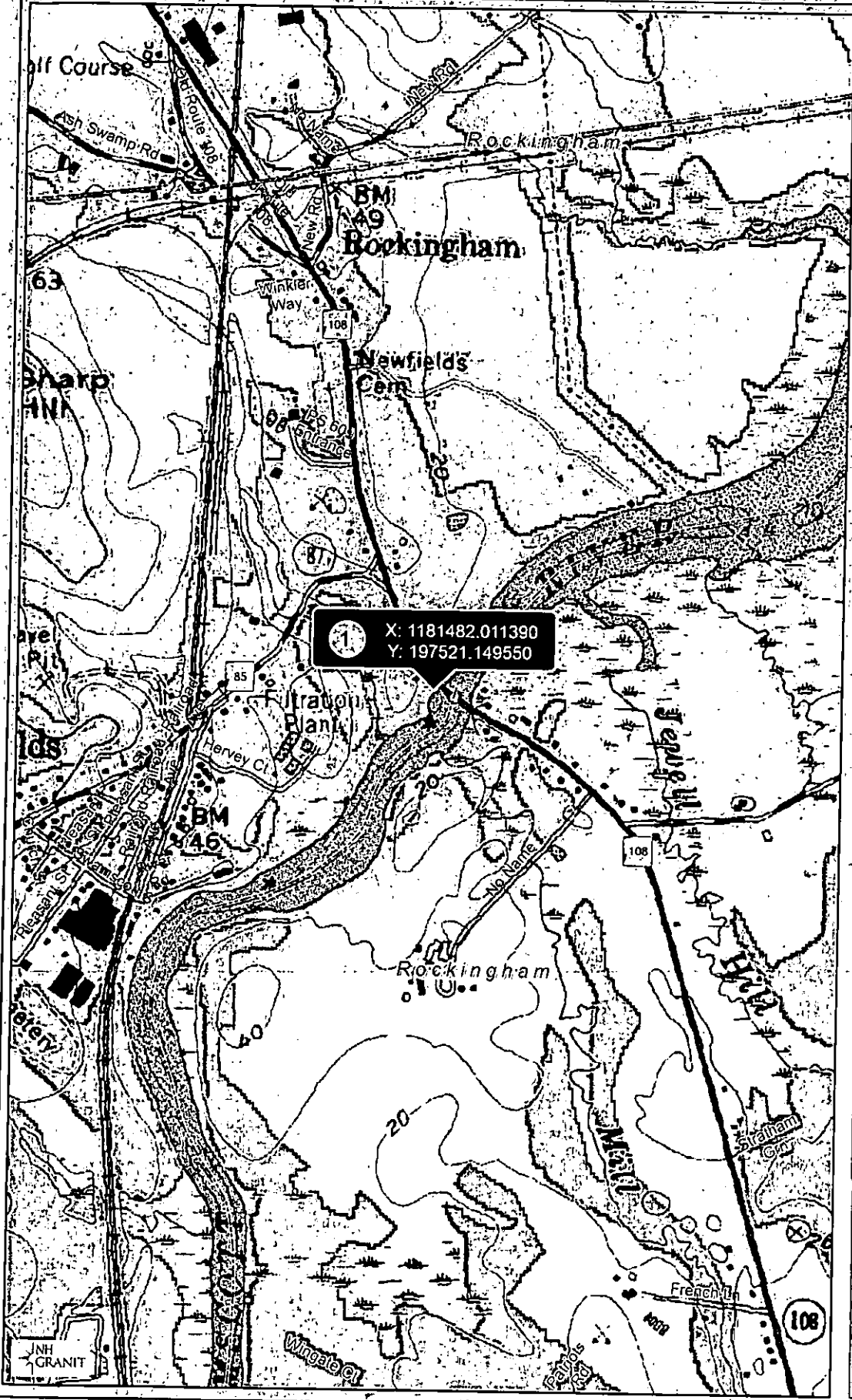
The Application Fee is the above calculated Total or \$200, whichever is greater = \$

shoreland@des.nh.gov or (603) 271-2147
 NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095
www.des.nh.gov



TOWN OF		MAP NO.
NEWFIELDS		202
NEW HAMPSHIRE		
REVISED THROUGH	APRIL 1, 2014	

Map by NH GRANIT



Legend

- State
- County
- City/Town

X: 1181482.011390
Y: 197521.149550

Map Scale

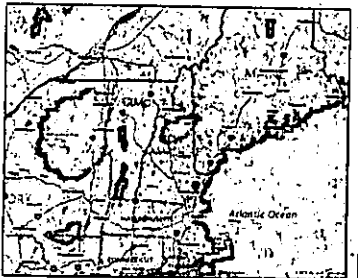
1: 12,988



© NH GRANIT, www.granit.unh.edu

Map Generated: 7/10/2018

Notes



CONFIDENTIAL – NH Dept. of Environmental Services review

Memo



NH NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

To: John Chagnon, Ambit Engineering, Inc.
200 Griffin Road
Unit 3
Portsmouth, NH. 03801

From: Amy Lamb, NH Natural Heritage Bureau
Date: 1/31/2019 (valid for one year from this date)
Re: Review by NH Natural Heritage Bureau
NHB File ID: NHB19-0271
Description: The project proposes a tidal docking structure to provide recreational boating access to the Squamscott River.

Town: Newfields

Location: Tax Maps: Tax Map 202, Lot 1

As requested, I have searched our database for records of rare species and exemplary natural communities, with the following results:

Comments: Please send NHB a site plan showing the proposed dock location and salt marsh impacts. Photos of the site, if available, will also aid in our review.

Natural Community

High salt marsh

State¹ Federal Notes

Threats to these communities are primarily alterations to the hydrology of the wetland (such as ditching or tidal restrictions that might affect the sheet flow of tidal waters across the intertidal flat) and increased input of nutrients and pollutants in storm runoff.

Low salt marsh

Threats to these communities are primarily alterations to the hydrology of the wetland (such as ditching or tidal restrictions that might affect the sheet flow of tidal waters across the intertidal flat) and increased input of nutrients and pollutants in storm runoff.

Salt marsh system

-- Threats are primarily changes to the hydrology of the system, introduction of invasive species, and increased input of nutrients and pollutants.

Subtidal system

-- Threats to these communities are primarily alterations to the hydrology of the wetland (such as alterations that might affect the sheet flow of tidal waters across the intertidal flat) and increased input of nutrients and pollutants in storm runoff.

Plant species

perennial saltmarsh American-aster
(*Symphyotrichum tenuifolium* var. *tenuifolium*)

State¹ Federal Notes

E -- Threats to this estuarine species are primarily alterations to the hydrology of the wetland, such as ditching or tidal restrictions that might affect the sheet flow of tidal waters across the intertidal flat, activities that eliminate plants, and increased input of

CONFIDENTIAL – NH Dept. of Environmental Services review

Memo



NH NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

prolific yellow-flowered knotweed (*Polygonum ramosissimum* ssp. *prolificum*)*

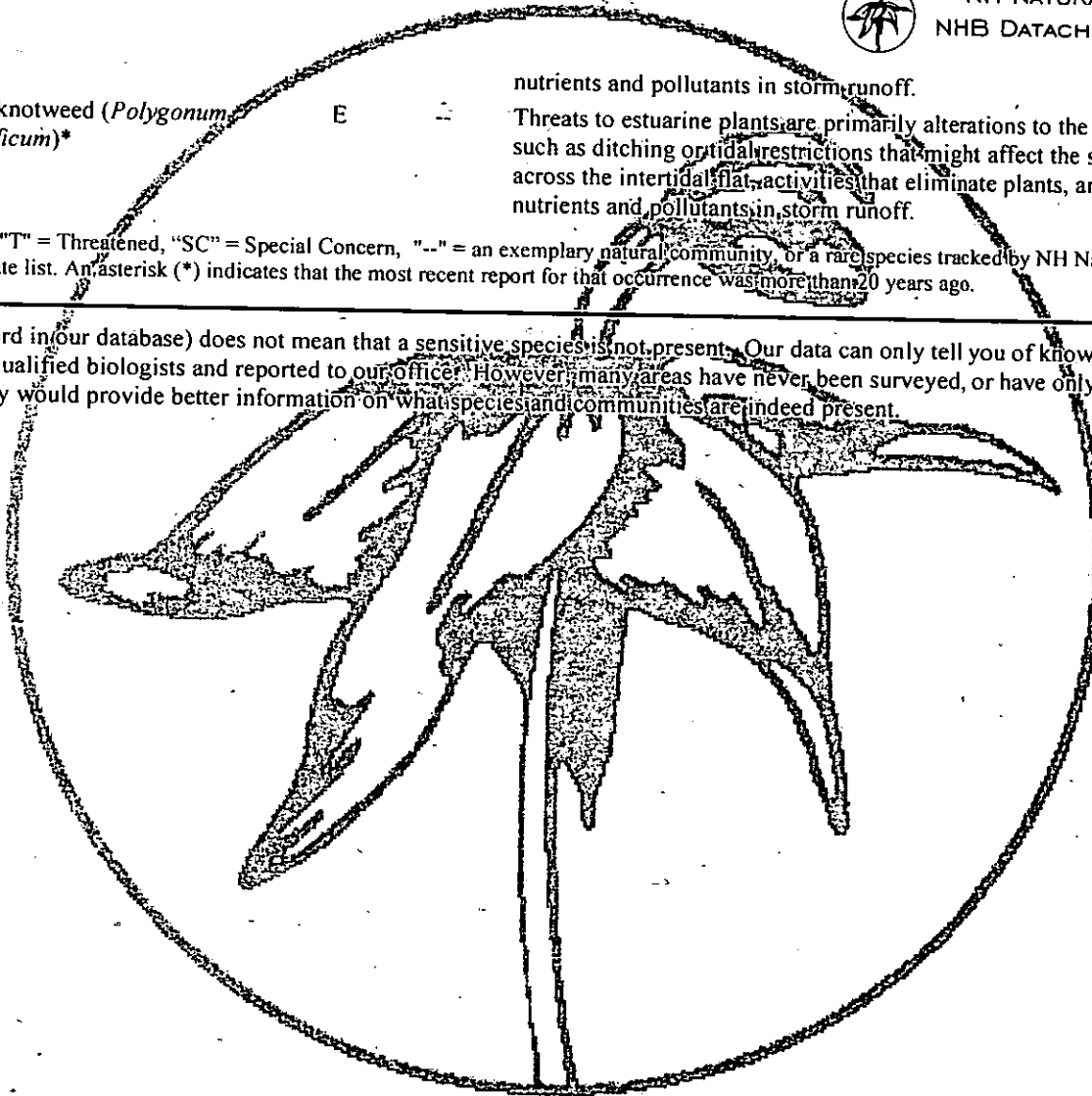
E

nutrients and pollutants in storm runoff.

Threats to estuarine plants are primarily alterations to the hydrology of the wetland, such as ditching or tidal restrictions that might affect the sheet flow of tidal waters across the intertidal flat, activities that eliminate plants, and increased input of nutrients and pollutants in storm runoff.

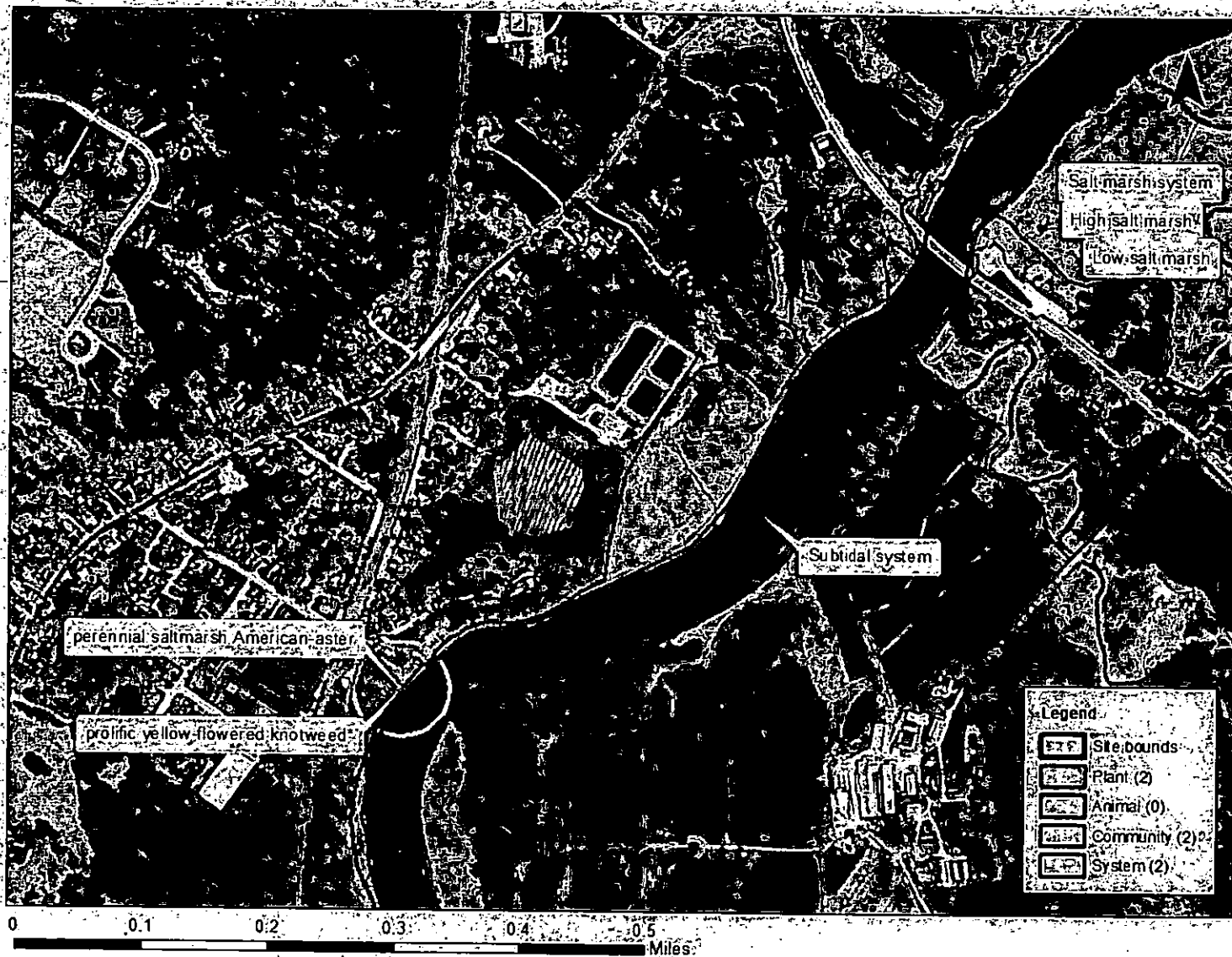
Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list. An asterisk (*) indicates that the most recent report for that occurrence was more than 20 years ago.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.



CONFIDENTIAL – NH Dept. of Environmental Services review

NHB19-0271



ABUTTER'S LIST

JN 2552.48

Michelle D. Momenee

MAP	LOT	NAME(S)	PO BOX	STREET ADDRESS	CITY/STATE/ZIP
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202	2	Messner 2016 Trust Richard A. Messner Trustee			
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Engineer

Ambit Engineering, Inc.
Civil Engineers & Land Surveyors

200 Griffin Road, Unit 3

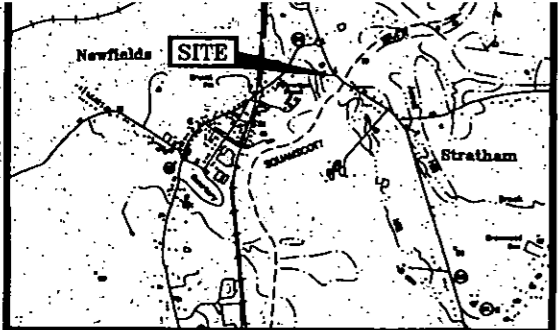
Portsmouth, NH 03801

Applicant/Owner

202

1

Michelle D. Momenee



LOCATION MAP SCALE 1" = 2,000'

LEGEND:

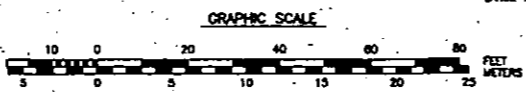
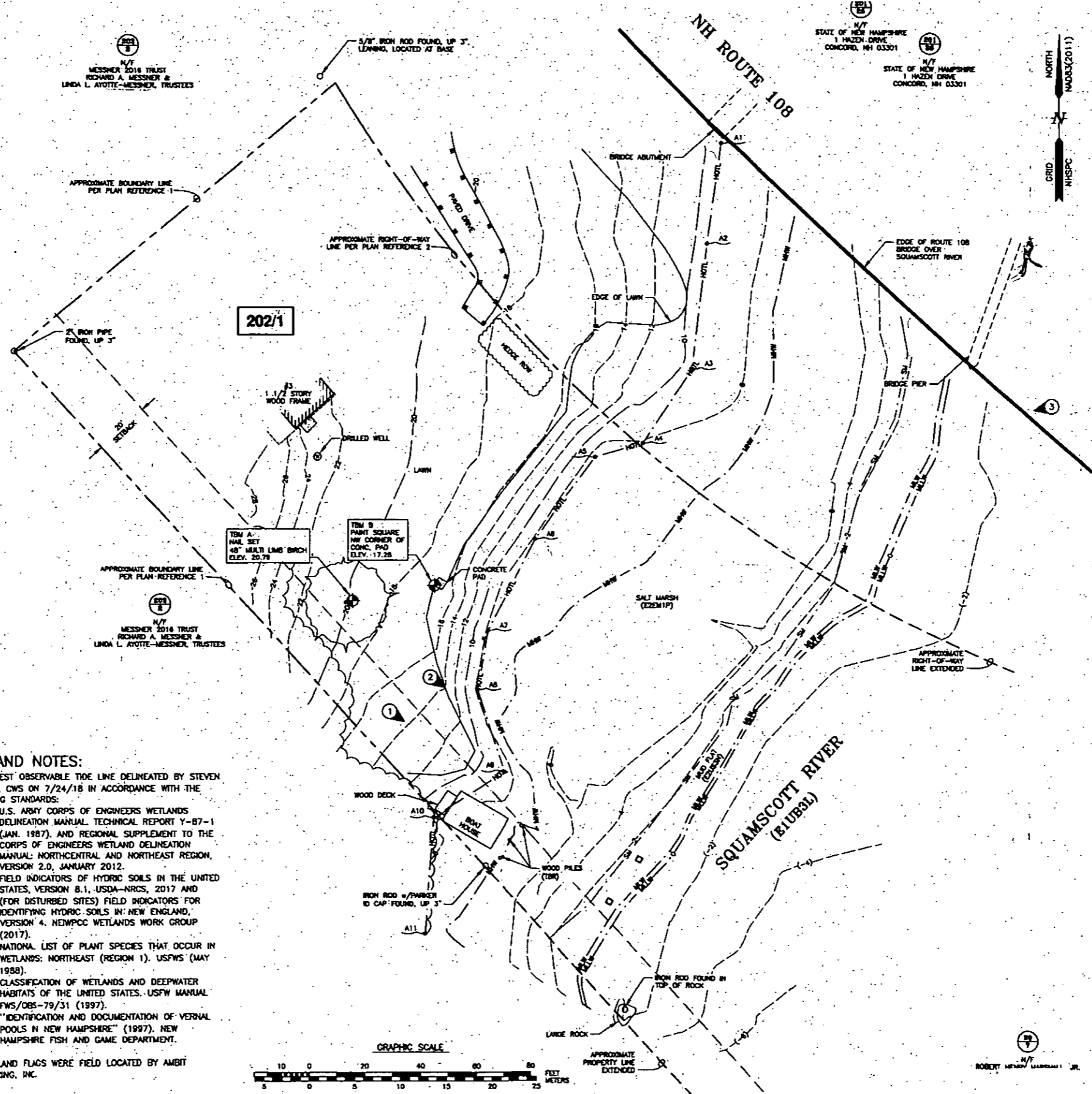
EXISTING		NOW OR FORMERLY RECORD OF PROBATE ROCKINGHAM COUNTY REGISTRY OF DEEDS MAP 11 / LOT 21	
N/F	NOV OR FORMERLY RECORD OF PROBATE	RAILROAD SPIKE FOUND/SET	
RP	RECORD OF PROBATE	IRON ROD FOUND/SET	
RCRD	RECORD OF DEEDS	IRON PIPE FOUND/SET	
(Symbol)		DRILL HOLE FOUND/SET	
(Symbol)		NEEDLE POINT FOUND	
(Symbol)		TOWN BOUND FOUND	
(Symbol)		BOUND =/ DRILL HOLE	
(Symbol)		STONE BOUND =/ DRILL HOLE	
(Symbol)		MEAN HIGH WATER LINE	
(Symbol)		HIGHEST OBSERVABLE TIDE LINE	
(Symbol)		STORM DRAIN	
(Symbol)		UNDERGROUND ELECTRIC	
(Symbol)		OVERHEAD ELECTRIC/WIRES	
(Symbol)		CONTOUR	
(Symbol)		SPOT ELEVATION	
(Symbol)		EDGE OF PAVEMENT (TOP)	
(Symbol)		WOODS / TREE LINE	
(Symbol)		UTILITY POLE (w/ GUY)	
(Symbol)		WATER SHUT OFF/CURB STOP	
(Symbol)		GATE VALVE	
(Symbol)		HYDRANT	
(Symbol)		METER (GAS, WATER, ELECTRIC)	
(Symbol)		CATCH BASIN	
(Symbol)		TEST PIT	
(Symbol)		EDGE OF WETLAND FLAGGING	
(Symbol)		ELEVATION	
(Symbol)		EDGE OF PAVEMENT	
(Symbol)		TEMPORARY BENCHMARK	
(Symbol)		TYPICAL	
(Symbol)		SITE PHOTO LOCATION/DIRECTION	

PLAN REFERENCES:

- SUBDIVISION OF LAND FOR LAWRENCE BOND IN NEWFIELDS, N.H. PREPARED BY BRUCE L. POHOPEK LAND SURVEYORS, DATED FEBRUARY 20, 1979. R.C.R.D. PLAN C-8628.
- RIGHT-OF-WAY PLANS FEDERAL AID PROJECT 00F-STP-BRS-MGS-X-225(8) N.H. PROJECT NO. P4386 N.H. ROUTE 108, PREPARED BY THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, DATED SEPTEMBER 25, 2002. NOT RECORDED.

WETLAND NOTES:

- HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS ON 7/24/18 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL TECHNICAL REPORT Y-87-1 (JAN. 1987), AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
 - FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.1, USDA-NRCS, 2017 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4, NEWPCC WETLANDS WORK GROUP (2017).
 - NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1), USFWS (MAY 1988).
 - CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, USFW MANUAL FWS/OBS-79/31 (1997).
 - "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997), NEW HAMPSHIRE FISH AND GAME DEPARTMENT.
- WETLAND FLAGS WERE FIELD LOCATED BY AMBIT ENGINEERING, INC.



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
209 Orinda Road - Unit 8
Portsmouth, N.H. 03801-7114
Tel: (603) 430-8888
Fax: (603) 430-2315

RIVERIDE ENGINEERING
MARINE CONTRACTORS

NOTES:

- PROJECT LOCATION:
3 RT 108
NEWFIELDS, N.H. 03858
PARCEL I.D.:
TAX MAP 202 / LOT 1
OWNER:
MICHELLE D. MOMENEE
- ZONING DISTRICT:
R-A RESIDENTIAL AGRICULTURAL
- LOT AREA:
39,639 ± S.F. (PER ASSESSOR)
0.910 ACRES (PER ASSESSOR)
- VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW). BASIS OF VERTICAL DATUM IS NH DOT BENCHMARK 431-0210; REDUCTION FROM NAVD88 TO MLLW BASED ON NOAA STATION 8420411, DOVER, COCHeco RIVER. MLLW BEING 3.93' LOWER THAN 0 NAVD88. MHW LINE AS SHOWN IS AT ELEV. 7.30 MLLW.
- THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS OF LOT 1 ON TAX MAP 202.

MOMENEE RESIDENCE
3 ROUTE 108
NEWFIELDS, N.H.

NO.	DESCRIPTION	DATE
0	ISSUED FOR COMMENT	7/30/18

RECEIVED
AUG 08 2018
ENVIRONMENTAL SERVICES
BY NH DES WETLANDS BUREAU

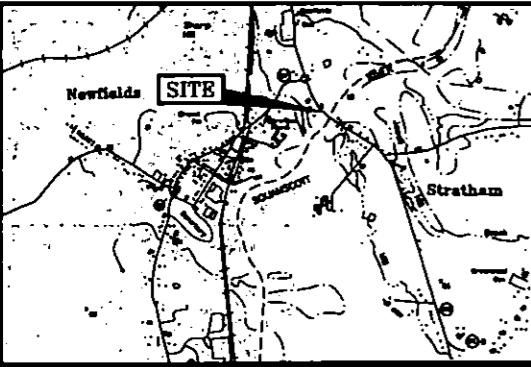
SCALE 1" = 20' JULY 2018

EXISTING CONDITIONS PLAN **EX**

J:\JOBSET\182506\18 2550\18 2552\182521.dwg Momenee 3 Route 108, Newfields, NH 2018 Permitting\Plan & Specs\182521.dwg PERMITTING 2018.dwg, EDT

"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000."

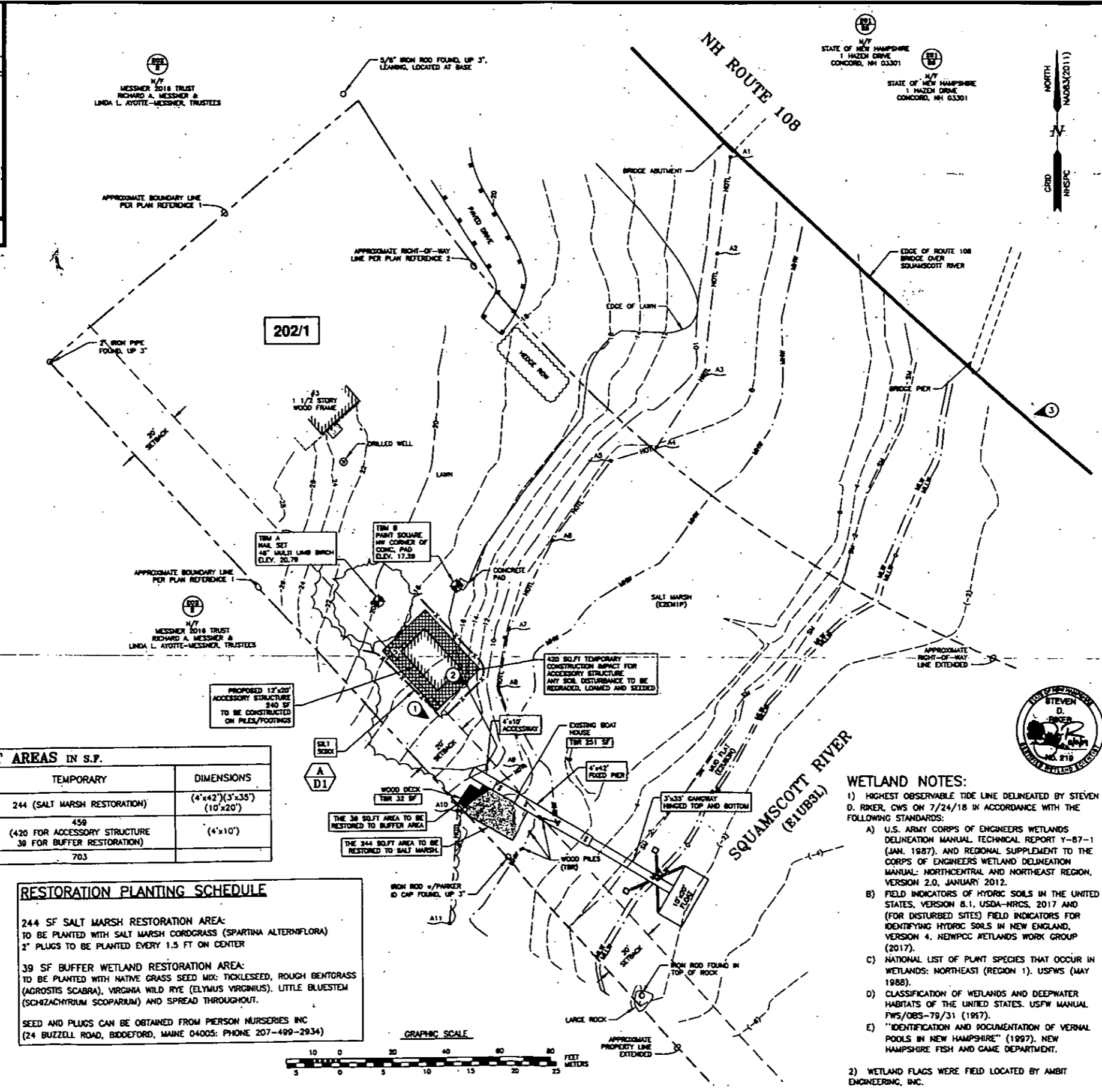
PAUL A. DOBBERSTEIN, LLS DATE



LOCATION MAP SCALE 1" = 2,000'

LEGEND:

- EXISTING**
- N/F
 - RP
 - RCRD
 - RR SPK FND
 - IR FND
 - IP FND
 - DH FND
 - MBH FND
 - TB FND
 - BND +/-DH
 - ST BND +/-DH
 - MEAN HIGH WATER LINE
 - HIGHEST OBSERVABLE TIDE LINE
 - STORM DRAIN
 - UNDERGROUND ELECTRIC
 - OVERHEAD ELECTRIC/WIRES
 - CONTOUR
 - SPOT ELEVATION
 - EDGE OF PAVEMENT (EP)
 - WOODS / TREE LINE
 - UTILITY POLE (+/- GUY)
 - WATER SHUT OFF/CURB STOP
 - GATE VALVE
 - HYDRANT
 - METER (GAS, WATER, ELECTRIC)
 - CATCH BASIN
 - TEST PIT
 - EDGE OF WETLAND FLAGGING
 - ELEVATION
 - EP
 - TM
 - TYP
 - SITE PHOTO LOCATION/DIRECTION
- HOW OR FORMERLY RECORD OF PROBATE**
ROCKINGHAM COUNTY
REGISTRY OF DEEDS
MAP 11 / LOT 21
- RAILROAD SPIKE FOUND/SET
 - IRON ROD FOUND/SET
 - IRON PIPE FOUND/SET
 - DRILL HOLE FOUND/SET
 - MOODY BOUND FOUND
 - TOWN BOUND FOUND
 - BOUND +/- DRILL HOLE
 - STONE BOUND +/- DRILL HOLE
 - ST. BND +/-DH



WETLAND IMPACT AREAS IN S.F.

	PERMANENT IMPACT AREAS	TEMPORARY	DIMENSIONS
TIDAL WATERS WETLAND (E2US3N/E2EM1P)	473	244 (SALT MARSH RESTORATION)	(4'x42')(3'x35') (10'x20')
*TIDAL BUFFER ZONE	280 (240 FOR ACCESSORY STRUCTURE 40 FOR ACCESSWAY)	459 (420 FOR ACCESSORY STRUCTURE 39 FOR BUFFER RESTORATION)	(4'x10')
TOTAL	753	703	

PLAN REFERENCES:

- SUBMISSION OF LAND FOR LAWRENCE BOND IN NEWFIELDS, N.H. PREPARED BY BRUCE L. PONOPEK LAND SURVEYORS, DATED FEBRUARY 20, 1979, R.C.R.D. PLAN C-8628.
- RIGHT-OF-WAY PLANS FEDERAL AID PROJECT OOF-STP-BRS-MCS-X-225(B) N.H. PROJECT NO. P4388 N.H. ROUTE 108, PREPARED BY THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, DATED SEPTEMBER 25, 2002, NOT RECORDED.

"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000."

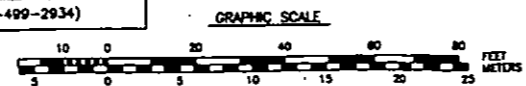
PAUL A. DOBBERSTEIN, L.L.S. DATE

RESTORATION PLANTING SCHEDULE

244 SF SALT MARSH RESTORATION AREA:
TO BE PLANTED WITH SALT MARSH CORDGRASS (SPARTINA ALTERNIFLORA)
2" PLUGS TO BE PLANTED EVERY 1.5 FT ON CENTER

39 SF BUFFER WETLAND RESTORATION AREA:
TO BE PLANTED WITH NATIVE GRASS SEED MIX: TICKLESEED, ROUGH BENTGRASS (AGROSTIS SCABRA), VIRGINIA WILD RYE (ELYMIUS VIRGINIUS), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM) AND SPREAD THROUGHOUT.

SEED AND PLUGS CAN BE OBTAINED FROM PIERSON NURSERIES INC (24 BUZZELL ROAD, BIDDEFORD, MAINE 04005; PHONE 207-499-2934)



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
NEWFIELDS, N.H. 03856
Tel (603) 436-8285
Fax (603) 436-8315

RIVERSIDE PICKERING
MARINE CONTRACTORS

NOTES:

- PROJECT LOCATION: 3 RT 108 NEWFIELDS, N.H. 03856
PARCEL I.D.: TAX MAP 202 / LOT 1
OWNER: BRUCE L. PONOPEK
5757/152
ZONING DISTRICT: R-A RESIDENTIAL AGRICULTURAL
- LOT AREA: 38,638 ± S.F. (PER ASSESSOR)
0.810 ACRES (PER ASSESSOR)
- THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
- CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (REVISED DECEMBER 2008).
- THE LIMIT OF WORK IS TO BE CLEARLY UNDERSTOOD WITHIN JURISDICTIONAL AREAS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- WORK TO BE PERFORMED BY RIVERSIDE & PICKERING MARINE CONTRACTORS.
- VERTICAL DATUM: MEAN LOWER LOW WATER (MLLW), BASIS OF VERTICAL DATUM IS NH DOT BENCHMARK 431-0210, REDUCTION FROM NAVD83 TO MLLW BASED ON NOAA STATION 8422411, COVER, COCHeco RIVER, MLLW BEING 3.93' LOWER THAN 0 NAVD83. NAV LINE AS SHOWN IS AT ELEV. 7.30 MLLW.
- THE PURPOSE OF THIS PLAN IS TO SHOW THE LOCATION OF A PROPOSED DOCK ON TAX MAP 202 LOT 1 IN THE TOWN OF NEWFIELDS.
- PROPOSED DOCKING STRUCTURE IS NOT LOCATED ADJACENT TO, OR IN PROXIMITY OF A FEDERAL NAVIGATIONAL CHANNEL, AS ONE DOES NOT EXIST IN THIS REACH OF THE SQUAMSCOTT RIVER.
- THE PROPERTY CONTAINS 172 FEET OF SHORELINE FRONTAGE. THE SHORELINE FRONTAGE WAS CALCULATED BY AVERAGING THE LENGTH OF NAVIGABLE SHORELINE FRONTAGE (144W-190 FEET) AND A STRAIGHT LINE DRAWN BETWEEN THE PROPERTY LINES (154 FEET).

RECEIVED
NOV 11 2018
WETLANDS SECTION

MOMENEE RESIDENCE
3 ROUTE 108
NEWFIELDS, N.H.

NO.	REVISIONS	DATE
1	REVISED PER NHDES	8/5/18
0	ISSUED FOR COMMENT	1/21/19

WETLAND NOTES:

- HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS ON 7/24/18 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL TECHNICAL REPORT Y-87-1 (JAN. 1987), AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHEAST AND NORTHWEST REGION, VERSION 2.0, JANUARY 2012.
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SCALE 1" = 20' DECEMBER 2018

NHDES DOCK PERMIT PLAN **C1**

