

LICENSE APPLICATION STATUS SHEET

(06) 15 YEAR _____ 12) 15 YEAR _____ (01) 30 YEAR

DISP NONE 2CY (between) ML-MH
 OCC \$1 SQ.YD x TERM/LIC

APPLICATION NO. W 10-2920 REVIEWER Dave Hill

TRANSMITTAL NO. X231428 DATE ASSIGNED _____

RECEIVED 1/4/09 APPL. FEES CERTIFICATE OF COMPLIANCE _____ PERMIT 12891
 -LIC# _____

APPLICATION PROCESSING

1. NOTICE MAILED 2-4-10
SE 42-1600 - Amended
2. CONS. COMMISSION 3-09-?
3. CLERK CERTIFICATION 2-12-10
4. PLAN BOARD NOTIF. 2-16-10
5. NEWS AD 2-12-10
6. WATER QUAL. CERT. 10/18/10
- OK 7. MEPA COMPLETE 12764R 2/7/05
8. PROOF OF EXISTANCE PRIOR TO 1/1/84 _____

LICENSING

1. TO PROG. MGR. 10/25/10
2. GOV. Y/N N/A
3. NOTIFY FEE N/A
4. FEE REC'D _____
5. BACK FROM GOV. OFF _____

OCT 25 2010

LICENSE ISSUED _____

- | | | | | | |
|---------------------|-----|------------------|-----|------------------|-----|
| 9. LATERAL ACCESS | Y/N | 10. ACEC | Y/N | 11. OCEAN SANCT. | Y/N |
| 12. ABUTTER APPROV. | Y/N | 13. EPA | Y/N | 14. HARBOR LINE | Y/N |
| 15. GREAT POND | Y/N | 16. RIVER/STREAM | Y/N | 17. WELAND RESTR | Y/N |
| 18. AMNESTY | Y/N | 19. MYLARS | Y/N | | |

Comments

- ✓ 5,400 CY - upland disposal
- ✓ SEE DMF email (TOY 2/1-6/30) not submitted within comment period
- ✓ WQL TOY 2/1-6/30



Enter your transmittal number



X 231428

Transmittal Number

Your unique Transmittal Number can be accessed online: <http://mass.gov/dep/service/online/trasmfrm.shtml> or call MassDEP's InfoLine at 617-338-2255 or 800-462-0444 (from 508, 781, and 978 area codes).

Massachusetts Department of Environmental Protection Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. Copy 2 must accompany your fee payment. Copy 3 should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

* Note:
For BWSC Permits,
enter the LSP.

A. Permit Information

BRP WW01b

Maintenance Dredging

1. Permit Code: 7 or 8 character code from permit instructions

2. Name of Permit Category

Mechanical Dredging with upland disposal

3. Type of Project or Activity

B. Applicant Information - Firm or Individual

Old Allie, LLC d/b/a Taylor Marine

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

2. Last Name of Individual

3. First Name of Individual

4. MI

93 Central Street

5. Street Address

Marshfield (Brant Rock)

MA

02020

(781) 837-9617

6. City/Town

7. State

8. Zip Code

9. Telephone #

10. Ext. #

John W. Taylor, Partner

11. Contact Person

12. e-mail address (optional)

C. Facility, Site or Individual Requiring Approval

Taylor Marine

1. Name of Facility, Site Or Individual

93 Central Street

2. Street Address

Marshfield (Brant Rock)

MA

02020

(781) 837-9617

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

8. DEP Facility Number (if Known)

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

Applicant

1. Name of Firm Or Individual

2. Address

3. City/Town

4. State

5. Zip Code

6. Telephone #

7. Ext. #

John W. Taylor, Partner

8. Contact Person

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? yes no

If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

12764R

EOEA File Number

F. Amount Due

Special Provisions:

1. Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.

2. Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).

3. Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).

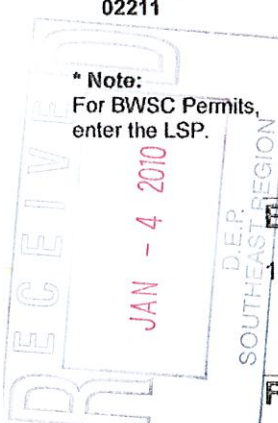
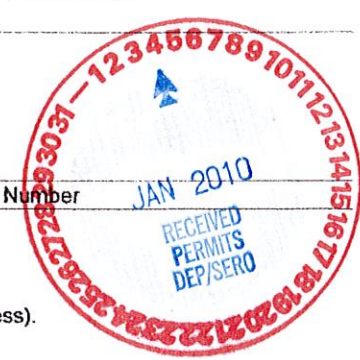
4. Homeowner (according to 310 CMR 4.02).

\$270.00

Check Number

Dollar Amount

Date



DEP Use Only

Permit No:

Rec'd Date:

Reviewer:



TAYLOR MARINE CORP.
 P.O. BOX 697
 BRANT ROCK, MA 02020
 781-837-9617

DATE	INVOICE	AMOUNT

3888

5-7017
2110

PAY Two Hundred Seventy and 00/100 DOLLARS

CHECK NO. 3958	TO THE ORDER OF Commonwealth of Massachusetts	DATE 12/31/09	AMOUNT 270.00
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CITIZENS BANK OF MASSACHUSETTS
 MARSHFIELD OFFICE - BOSTON, MASSACHUSETTS

[Handwritten Signature]



SECURITY FEATURES INCLUDED. DETAILS ON BACK. SECURITY FEATURES INCLUDED. DETAILS ON BACK. SECURITY FEATURES INCLUDED. DETAILS ON BACK. SECURITY FEATURES INCLUDED. DETAILS ON BACK.

⑈003888⑈ ⑆211070175⑆ 1102179261⑈

Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Waterways Regulation Program
Chapter 91 Waterways License Application - 310 CMR 9.00
 Water-Dependent, Nonwater-Dependent, Amendment

X 231428
 Transmittal No.

Important:
 When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

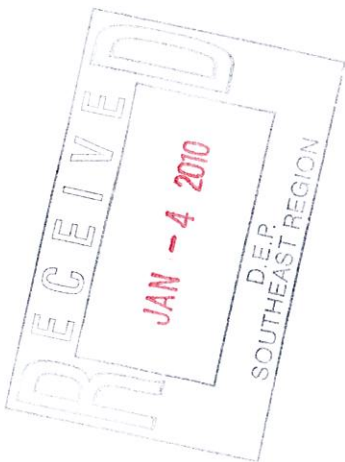


For assistance in completing this application, please see the "Instructions".

A. Application Information (Check one)

NOTE: For Chapter 91 Simplified License application form and information see the Self Licensing Package for BRP WW06.

Name (Complete Application Sections)	Check One	Fee	Application #
WATER-DEPENDENT -			
General (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$175.00	BRP WW01a
	<input checked="" type="checkbox"/> Other	\$270.00	BRP WW01b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW01c
Amendment (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$85.00	BRP WW03a
	<input type="checkbox"/> Other	\$105.00	BRP WW03b
NONWATER-DEPENDENT -			
Full (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$545.00	BRP WW15a
	<input type="checkbox"/> Other	\$1635.00	BRP WW15b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW15c
Partial (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$545.00	BRP WW14a
	<input type="checkbox"/> Other	\$1635.00	BRP WW14b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW14c
Municipal Harbor Plan (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$545.00	BRP WW16a
	<input type="checkbox"/> Other	\$1635.00	BRP WW16b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW16c
Joint MEPA/EIR (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$545.00	BRP WW17a
	<input type="checkbox"/> Other	\$1635.00	BRP WW17b
	<input type="checkbox"/> Extended Term	\$2730.00	BRP WW17c
Amendment (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$435.00	BRP WW03c
	<input type="checkbox"/> Other	\$815.00	BRP WW03d
	<input type="checkbox"/> Extended Term	\$1090.00	BRP WW03e



B. Applicant Information Proposed Project/Use Information

1. Applicant:

Old Allie, LLC d/b/a Taylor Marine

Name

E-mail Address

93 Central Street

Mailing Address

Marshfield (Brant Rock)

City/Town

MA

State

02020

Zip Code

(781) 837-9617

Telephone Number

Fax Number

Note: Please refer to the "Instructions"

2. Authorized Agent (if any):

John W. Taylor, Partner

Name

E-mail Address

P.O. Box 697

Mailing Address

Marshfield (Brant Rock)

City/Town

MA

State

02020

Zip Code

7818379617

Telephone Number

Fax Number

C. Proposed Project/Use Information

1. Property Information (all information must be provided):

Applicant

Owner Name (if different from applicant)

M-10 Block 10 Lot 10

Tax Assessor's Map and Parcel Numbers

N 42-04-55+/-

Latitude

W 70-38-

45+/-

93 Central Street Marshfield (Brant Rock)

Street Address and City/Town

MA

State

02020

Zip Code

2. Registered Land Yes No

3. Name of the water body where the project site is located:

Green Harbor River

4. Description of the water body in which the project site is located (check all that apply):

Type

Nature

Designation

Nontidal river/stream

Natural

Area of Critical Environmental Concern

Flowed tidelands

Enlarged/dammed

Designated Port Area

Filled tidelands

Uncertain

Ocean Sanctuary

Great Pond

Uncertain

Uncertain

C. Proposed Project/Use Information (cont.)

Select use(s) from
 Project Type Table
 on pg. 2 of the
 "Instructions"

5. Proposed Use/Activity description

Maintain existing Marina, Maintenance Dredging with Upland Disposal

6. What is the estimated total cost of proposed work (including materials & labor)?

\$100,000.00

7. List the name & complete mailing address of each abutter (attach additional sheets, if necessary). An abutter is defined as the owner of land that shares a common boundary with the project site, as well as the owner of land that lies within 50' across a waterbody from the project.

Belyea, C. Jr. & E., Trustee 13505 Wilder Court Clifton, VA 02124
 Name Address

Name Address

Name Address

D. Project Plans

1. I have attached plans for my project in accordance with the instructions contained in (check one):

- Appendix A (License plan) Appendix B (Permit plan)

2. Other State and Local Approvals/Certifications

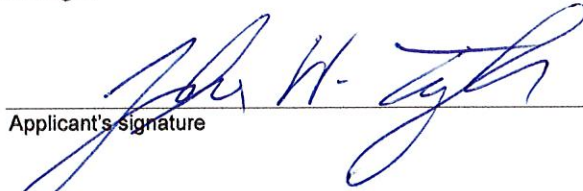
- | | |
|---|------------------|
| <input checked="" type="checkbox"/> 401 Water Quality Certificate | Pending |
| | Date of Issuance |
| <input checked="" type="checkbox"/> Wetlands | Se 42-1600 |
| | File Number |
| <input type="checkbox"/> Jurisdictional Determination | JD- |
| | File Number |
| <input type="checkbox"/> MEPA | 12764R |
| | File Number |
| <input type="checkbox"/> EOEA Secretary Certificate | 2/07/05 |
| | Date |
| <input type="checkbox"/> 21E Waste Site Cleanup | |
| | RTN Number |

E. Certification

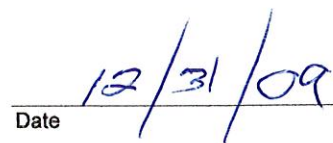
All applicants, property owners and authorized agents must sign this page. All future application correspondence may be signed by the authorized agent alone.

"I hereby make application for a permit or license to authorize the activities I have described herein. Upon my signature, I agree to allow the duly authorized representatives of the Massachusetts Department of Environmental Protection and the Massachusetts Coastal Zone Management Program to enter upon the premises of the project site at reasonable times for the purpose of inspection."

"I hereby certify that the information submitted in this application is true and accurate to the best of my knowledge."



Applicant's signature



Date

John W. Taylor Partner

Property Owner's signature (if different than applicant)

Date

Agent's signature (if applicable)

Date

F. Waterways Dredging Addendum

1. Provide a description of the dredging project

Maintenance Dredging (include last dredge date & permit no.) Improvement Dredging

Maintaining existing Marina boat basin

Purpose of Dredging

2. What is the volume (cubic yards) of material to be dredged?

5,400+/- cy

3. What method will be used to dredge?

Hydraulic

Mechanical

Other

4. Describe disposal method and provide disposal location (include separate disposal site location map)

We are proposing to dispose of the dredged material at the Town of Marshfield's upland disposal site off of Town Pier Road or at a upland disposal site approved by DEP, WPC.

-
5. Provide copy of grain size analysis. If grain size is compatible for beach nourishment purposes, the Department recommends that the dredged material be used as beach nourishment for public beaches. **Note:** In the event beach nourishment is proposed for private property, pursuant to 310 CMR 9.40(4)(a)1, public access easements below the existing high water mark shall be secured by applicant and submitted to the Department.

G. Municipal Zoning Certificate

Old Allie, LLC, dba Taylor Marine
Name of Applicant
93 Central Street
Project street address
Green Harbor River
Waterway
Brant Rock
City/Town

Description of use or change in use:
Maintain existing Marina, maintenance dredging with upland disposal

To be completed by municipal clerk or appropriate municipal official:

"I hereby certify that the project described above and more fully detailed in the applicant's waterways license application and plans is not in violation of local zoning ordinances and bylaws."

Michael J Clancy
Printed Name of Municipal Official
2-17-10
Date

Michael J Clancy
Signature of Municipal Official
Building Commissioner
Title
Marshfield
City/Town

H. Municipal Planning Board Notification

Notice to
Applicant:

Section H should
be completed and
submitted along
with the original
application material.

Old Allie, LLC dba Taylor Marine

Name of Applicant

93 Central Street

Project street address

Green Harbor River

Waterway

Brant Rock

City/Town

Description of use or change in use:

Maintain existing Marina, maintenance dredging with upland disposal

To be completed by municipal clerk or appropriate municipal official:

"I hereby certify that the project described above and more fully detailed in the applicant's waterways license application and plans have been submitted by the applicant to the municipal planning board."

Paul Halkiotis

Printed Name of Municipal Official

2/16/10

Date

Paul Halkiotis

Signature of Municipal Official

Town Planner

Title

Marshfield

City/Town

Note: Any comments, including but not limited to written comments, by the general public, applicant, municipality, and/or an interested party submitted after the close of the public comment period pertaining to this Application shall not be considered, and shall not constitute a basis for standing in any further appeal pursuant to 310 CMR 9.13(4) and/or 310 CMR 9.17.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

DEP File Number



WPA Form 5 Order of Conditions
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

SE42-1600 AMENDED ORDERS	
Watershed	SOUTH COASTAL
Town	MARSHFIELD
Applicant	TAYLOR MARINE

A Applicant Information

From: **Marshfield Conservation Commission**

To Taylor Marine Corporation Same
Applicant Name Property Owner Name

Address: P. O. Box 697, Brant Rock, MA 02020 Address: Same

This Order is issued to the applicant or representative as follows:

- by hand delivery to applicant or representative on _____ (date)
- by certified mail, return receipt requested #7005 3110 0002 3190 9586 (date) 11/10/09

The project site is located at: 93 Central St., Marshfield, MA 02050 Assessors # M06-10-01

and the property is recorded at the Registry of Deeds: Plymouth County, Book 3684 Page 228

or if registered land as Land Court Certificate # _____

The Notice of Intent for this project was filed on July 25, 2001 (date)

The public hearing was closed on October 1, 2001 (date)

This Order expires on Nov. 10, 2012 (date). (Extension must be requested 30 days prior.)

B Findings Findings pursuant to the Massachusetts Wetlands Protection Act:

Following the review of the above-referenced Notice of Intent and based on the information provided in this application and presented at the public hearing, this Commission finds that the area in which work is proposed is significant to the following interests of the Wetlands Protection Act:

- | | | |
|---|---|--|
| <input type="checkbox"/> Public Water Supply | <input type="checkbox"/> Flood Control | <input type="checkbox"/> Storm Damage Prevention |
| <input type="checkbox"/> Private Water Supply | <input checked="" type="checkbox"/> Land Containing Shellfish | <input checked="" type="checkbox"/> Prevention of Pollution |
| <input type="checkbox"/> Groundwater Supply | <input checked="" type="checkbox"/> Fisheries | <input checked="" type="checkbox"/> Protection of Wildlife Habitat |

Furthermore, the Marshfield Conservation Commission hereby finds that the project, as proposed, is **Approved** subject to the following conditions which are necessary, in accordance with the performance standards set forth in the wetlands regulations, to protect those interests checked above. This Commission orders that all the work shall be performed in accordance with the Notice of Intent referenced above, the following General Conditions, and any other special conditions attached to this Order. To the extent that the following conditions modify or differ from the plans, specifications, or other proposals submitted with the Notice of Intent, these conditions shall control.

General Conditions

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. This Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state or local statutes, ordinances, by-laws or regulations.



WPA Form 5 Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B Findings (cont.)

4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
 - (a) the work is a maintenance dredging project as provided for in the Act; or
 - (b) the time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance, if this Order is intended to be valid for more than three years, the extension date and the special circumstances warranting the extended time period are set forth as a special condition in this Order.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order.
6. Any fill used in connection with this project shall be clean fill, containing no trash, refuse, rubbish or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles or parts of any of the foregoing.
7. No work shall be undertaken until all administrative appeal periods from this Order have elapsed or, if such an appeal has been filed, until all proceedings before the Department have been completed.
8. No work shall be undertaken until the Final Order has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is to be done. The recording information shall be submitted to the Conservation Commission on the form at the end of this Order, which form must be stamped by the Registry of Deeds, prior to commencement of the work.
9. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words, "Massachusetts Department of Environmental Protection", [or, "MA DEP"]
"File Number SE 42-1600 Amended."
10. Where the Department of Environmental Protection is requested to make a determination and to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before the Department.
11. Upon completion of the work described herein, the applicant shall forthwith request in writing in the form of a Request for Certificate of Compliance (WPA 8A) submitted to the Conservation Commission that a Certificate of Compliance be issued stating that the work has been satisfactorily completed.
12. The work shall conform to the following plans and special conditions:

Final Approved Plans:

Title Dated Signed and Stamped by:

Plan of Taylor Marine petition to maintain an existing float configuration and to Dredge in & over the waters of Green Harbor, Town of Marshfield, Plymouth county dated May 10, 2001 by Key Environmental Services, Rockland, MA. Signed and Sealed by Thomas Sullivan, RLS and Vicinity Map, Existing Marina Support Facilities & Notes, Float Layout, Dredging Area, Cross Section & Notes on Existing marine Plan with Proposed Maintenance Dredging, Green Harbor River, dated May 2009.

On File with:

Marshfield
Conservation
Commission

SPECIAL CONDITIONS:

13. Any changes to the plans identified in Condition #12 above shall require the applicant to inquire of the Conservation Commission in writing whether the change is significant enough to require the filing of a new Notice of Intent.
14. The Agent or members of the Conservation Commission and Department of Environmental Protection shall have the right to enter and inspect the area subject to this Order at reasonable hours to evaluate compliance with the conditions stated in this Order, and may require the submittal of any data deemed necessary by the Conservation Commission or Department for that evaluation.
15. This Order of Conditions shall apply to any successor in interest or successor in control of the property subject to this Order and to any contractor or other person performing work conditioned by this Order.



WPA Form 5 Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B Findings (cont.)

SPECIAL CONDITIONS:

- A. All work shall be done in accordance with plans dated 5/10/01 and May, 2009. There shall be no deviation allowed without written permission from the Conservation Commission.
- B. The Conservation Administrator will be the overseer of all work on this project for the Conservation Commission. No work shall commence before a site inspection with the Conservation Administrator and the Contractor.
- C. The applicant shall be responsible for informing the contractor of the conditions of this Order and ensuring compliance.
- D. Mechanical dredging is proposed. Dredged sediments may be disposed of at an approved offshore disposal area and/or at an approved upland disposal area.
- E. The estimated amount of sediment to be dredged is now 9,500 cubic yards, an increase from the original estimate due to more sediment accumulation in the ten-years since the permit was issued, and due to increasing the design depth to minus 6-feet MSL for the whole basin to match the Federal channel design depth.
- F. No dredging is permitted during the period of February 1 to June 15 of any year.
- G. Periodic maintenance dredging is permitted providing that:
 - a. The applicant shall notify the Conservation Commission in writing 90 days prior to dredging.
 - b. The applicant shall notify all other permitting agencies in writing 90 days prior to dredging.
 - c. The applicant shall comply with all other conditions of this Order.
 - d. Maintenance dredging shall not enlarge the marina basin.
- H. All the above conditions must be met for the Commission to issue approval in the form of a Certificate of Compliance as is required in General Conditions.



WPA Form 5 Order of Conditions

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B Findings (cont.) This Order is issued by the Marshfield Conservation Commission.

Signatures Amy E. Kwesell Amy E. Kwesell, Chairman
John M. Zimmer John M. Zimmer
Walter Greaney Walter Greaney
Mark Stevenson Mark Stevenson
Jean C. Stewart Jean C. Stewart
Susan Caron Susan Caron
Jason E. Zimmer Jason E. Zimmer

This Order must be signed by the majority of the Conservation Commission.

On this 7th day of October 2009 before me personally appeared the above persons to me known to be the person described in and who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed.

Notary Public: Lois E. Keenlside My Commission expires: February 6, 2015
Lois E. Keenlside

C Appeals

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land subject to this Order, or any ten residents of the town in which such land is located, are hereby notified of their right to request the appropriate Department of Environmental Protection Regional Office to issue a Superseding Order of Conditions. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and a completed Appendix E: Request for Departmental Action Fee Transmittal Form, as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Order. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.

The request shall state clearly and concisely the objections to the Order which is being appealed and how the Order does not contribute to the protection of the interests identified in the Massachusetts Wetlands Protection Act (M.G.L. c. 131, §40 and is inconsistent with the wetlands regulations (310 CMR 10.00).

D Recording Information

This Order of Conditions must be recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land subject to the Order. In the case of registered land, this Order shall also be noted on the Land Court Certificate of Title of the owner of the land subject to the Order of Conditions. The recording information shall be submitted to the Marshfield Conservation Commission on the form below, which must be stamped by the Registry of Deeds.

Detach on dotted line and submit to the Marshfield Conservation Commission

To: Marshfield Conservation Commission

Please be advised that the Order of Conditions for the project at: 93 Central Street, Marshfield, MA (location)

DEP File Number SE42-1600 Amended has been recorded at the Plymouth Registry of Deeds

And has been noted in the chain of title of the affected property in Book _____ Page _____

In accordance with the Order of Conditions issued on _____ (date)

If recorded land, the instrument number which identifies this transaction is _____ (Instrument #)

If registered land, the document number which identifies this transaction is _____ (Document #)

Signature of Applicant _____ (S)



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

October 18, 2010

John Taylor
Old Allie, LLC dba Taylor Marine
93 Central Street P.O. Box 697
Brant Rock, MA 02020

Re: **401 WATER QUALITY CERTIFICATION**
Application for BRP WW 08, Minor project dredging

At: Green Harbor River, BRANT ROCK

401 WQC Transmittal No: X234829
Wetlands File No: SE42-1600
ACoE Application No: NAE-2008-3753

Dear Mr. Taylor:

The Department has reviewed your application for Water Quality Certification (WQC), as referenced above. In accordance with the provisions of Section 401 of the Federal Clean Water Act as amended (33 U.S.C. §1251 et seq.), MGL c.21, §§ 26-53, and 314 CMR 9.00, it has been determined there is reasonable assurance the project or activity will be conducted in a manner which will not violate applicable water quality standards (314 CMR 4.00) and other applicable requirements of state law.

The waters of Green River are designated in the Massachusetts Surface Water Quality Standards as Class B. Such waters are intended "as habitat for fish, other aquatic life and wildlife and for primary and secondary contact recreation." Anti-degradation provisions of these Standards require that "existing uses and the level of water quality necessary to protect the existing uses shall be maintained and protected."

Background: On September 29, 2009, the Department issued a 401 Water Quality Certification, Transmittal No. X229073 to Old Allie LLC, dba Taylor Marine to conduct maintenance and

improvement dredging of approximately 4,100 cubic yards of sediment and dispose the dredged material either at the Massachusetts Bay Disposal Site (MBDS) or the Cape Cod Bay Disposal Site (CCBDS).

On November 13, 2009, the Army Corps of Engineers (ACoE) issued a Programmatic General Permit (PGP) II for the same work. The PGP II expired on January 20, 2010. ACoE extended the PGP II to January 20, 2011 because Taylor Marine had entered a contract with a dredging contractor to perform work prior the expiration date. The September 29, 2009 WQC in effect has the same duration as the PGP II.

Dredging at Taylor Marine has not been conducted because the dredging contractor had three other dredging contracts in the Green Harbor River and was unable to complete the dredging as scheduled due to bad weather and conflict with another dredging contractor who was dredging the navigation channel.

Taking into consideration that the PGP II would expire on January 20, 2011, and potential complications that could delay dredging at Taylor marine, the applicant decided to apply for a new PGP II and WQC.

Proposed project: The project entails conducting maintenance and improvement dredging of 4,100 cubic yards of suitable sediment for MBDS to a depth of -6m feet Mean Low Water (MLW) and 5,400 cubic yards of sediment for upland disposal. The "suitable" dredge footprint is bounded by the Federal Navigation Channel to the east, coordinates N395543.90 and E831640.81; N395241.5 and E831717.5; N395111.63 and E831706.49. The coordinates represent the top of slope and a 3H:1V slope towards the Federal Channel.

It is anticipated that conventional mechanical equipment such as an excavator mounted on a spud barge will be used to remove the sediment. The suitable dredged material will be loaded into a bottom opening scow to be transported to either MBDS or CCBDS. Unsuitable dredged material will be loaded into a scow or deck barge and then transferred to watertight dumpster and trucked to the Town's Dredge Spoils Area (DSA) off Driebeek Way.

The site is not located within the Priority Habitats of Rare Species, Estimated Habitats of Rare Wildlife with the Massachusetts Natural Heritage Atlas, 13th Edition.

Sediment dewatering: The unsuitable dredged material will be dewatered in the DSA. Dredged material dewatering will not be needed for unconfined ocean disposal at the site.

Sediment sampling data: Nine core samples were collected in accordance with the ACoE/USEPA sampling protocol for unconfined ocean disposal. All nine cores were analyzed for gradation analysis. Results of the gradation analysis indicated that sediment is silty, more than 59 percent passing the No. 200 U.S. Standard Series Testing Sieve.

Two composited samples (Core A-F and G&H) were analyzed for the required chemical constituents. Results of the chemical analysis detected the presence of Polynuclear Aromatic Hydrocarbon compounds, Polychlorinated Biphenyls (PCBs), pesticides and trace metals. Based on the sampling results, ACoE determined that only the portion of the dredge area adjacent to the navigation channel is suitable for unconfined ocean disposal.

In November 2009, six core samples were collected from the unsuitable sediment dredge area for gradation and chemical analysis. Results of the gradation analysis showed that the

sediment is also silty containing particle ranging from 50.5 percent to 77 percent passing the No. 200 U.S. Standard Series Testing Sieve.

Results of the chemical analysis detected the presence of metals, Polynuclear Aromatic Hydrocarbons (PAHs), Total Petroleum Hydrocarbons (TPH) and Chlorinated Biphenyls (PCBs). All detected concentrations were below the Reportable Concentration (RC) S1 standard of the Massachusetts Contingency Plan (MCP).

Beneficial Reuse of sediments: The dredged material will be used as intermediate cover material at the DSA in accordance with 314 CMR 9.07(9). Acknowledgement from the Town and the Board of Health is provided in the 401 application.

Public Notice: The public notice was published in the Patriot Ledger on September 4, 2010 and the Department received no comment during the 21-day public comment period for this application, which ended on September 25, 2010.

Section 61 Findings: Pursuant to M.G.L. Chapter 30, Sections 61 to 62H including (M.E.P.A.) this project was reviewed as EOEA No. 12764R and the Secretary's Certificate, issued on February 7, 2005 found an Environmental Impact Report (EIR) would not be required.

Therefore, based on information currently in the record, the Department grants a 401 Water Quality Certification for this project subject to the following conditions to maintain water quality, to minimize impact on waters and wetlands, and to ensure compliance with appropriate state law. The Department further certifies in accordance with 314 CMR 9.00 that there is reasonable assurance the project or activity will be conducted in a manner which will not violate applicable water quality standards (314 CMR 4.00) and other applicable requirements of state law. Finally, the Department has determined that upon satisfying the conditions and mitigation requirements of this approval, the project provides a level of water quality necessary to protect existing uses and accordingly finds that the project as implemented satisfies the Surface Water Quality Standards at 314 CMR 4.00.

- 1) The Contractor shall take all steps necessary to assure that the proposed activities will be conducted in a manner that will avoid violations of the anti-degradation provisions of Massachusetts Surface Water Quality Standards that protect all waters, including wetlands.
- 2) Prior to the start of work or any portion of the work there after, the Department shall be notified of any change(s) in the proposed project or plans that may affect waters or wetlands. The Department will determine whether the change(s) require a revision to this Certification.
- 3) Dredging in accord with this Certification may begin following the 21-day appeal period and once all other permits have been received.
- 4) Work in waters and wetlands shall conform to the Description of Proposed Dredging Site and to plans submitted in application to this Department, five sheets prepared by Michael Beshara, dated May 2009, revised on September 9, 2009, signed and stamped by Michael Beshara. The Department shall be notified if there are modifications and or deletions of work as specified in the plans. Depending on the nature of the scope change, approval by the Department may be required.

- 5) The Department shall be notified, attention Ken Chin 617-292-5893, one week prior to the start of in-water work so that Department staff may inspect the work for compliance with the terms and conditions of this Certification.
- 6) The Certification remains in effect for the same duration of the federal permit that required it or five years from the date of issuance of this Certification whichever comes first.
- 7) If deck barge is used to transport the unsuitable dredged material in the off loading operation to the DSA, hay bales and filter fabric shall be used to contain the slurry.
- 8) Best Management Practices (BMPs) shall be used when transferring the dredged material to watertight container at the boat basin to prevent any fall back of the dredged material into the boat basin during the offloading operation.
- 9) Future maintenance dredging may be conducted as necessary for the duration of this Certification, provided that:
 - a. the initial project and any subsequent dredging has been conducted satisfactorily with no violations of the terms and conditions of this Certification,
 - b. a suitability determination from the Corps (ACoE) for unconfined ocean disposal,
 - c. written acceptance of the unsuitable dredged material to be used as intermediate cover material at the Dredge Spoil Area from the Town of Marshfield,
 - d. final disposition of the unsuitable dredged material if it is not to be reused as intermediate cover material at the Town of Marshfield's Dredge Spoil Area. Under no circumstances that future maintenance dredging can commence without obtaining approval from the Department.
 - e. a due-diligent evaluation to determine that no known spills of oil or other toxic substances have occurred which could have contaminated the sediment in the dredge area
 - f. compliance with Condition 16, bathymetric survey
 - g. volume of future maintenance dredging does not exceed 9,480 cubic yards in any dredging event.
 - h. the Department is notified prior to commencement of maintenance dredging.
- 10) Best Management Practices (BMPs) shall be utilized to minimize turbidity. At a minimum, weighted silt curtain shall be used to surround the dredge area. The design of the silt curtain shall be adequate to prevent "bottoming out" during low tide and withstand the current velocity. If applicable, dredging shall be carried out using a closed, environmental bucket.
- 11) Watertight container shall be used to transfer dredged material to the Dredge Spoil Area off Driebeek Way. Specification or cut sheet of the watertight container shall be provided to the Department prior to commencement of the dredging activity.
- 12) Authorized dredge footprint for unconfined ocean disposal is defined by the limit of the federal navigation channel, and the following coordinates:

N395543.90; E831640.81

N395241.50; E831717.50

N395111.63; E831706.49

- 13) Disposal of any volume of dredged material at any location in tidal waters is subject to approval by this Department and the Massachusetts Coastal Zone Management office.
- 14) Air monitoring will be conducted to confirm whether hydrogen sulfide gas is present. If hydrogen sulfide gas is detected at the stockpile at the DSA, lime shall be added to the dredged material and the pH of the lime/dredged material mixture shall be maintained between 9.0 and 12.0. Air monitoring shall continue to determine the effectiveness of the lime stabilization. Notification shall be made to the Department if hydrogen sulfide gas is detected as the result of the air-monitoring program.
- 15) A Dredged Material Tracking Form (DMTF) or Material Shipping Record (MSR) shall be used to track the dredged material to the Town of Marshfield Dredge Spoil Area. A fully executed copy of the DMTF or MSR shall be provided to the Department within 30 days of final shipment to the reused location or facility.
- 16) Within 30 days of the completion of the initial dredging, a bathymetric survey of the dredged area in Green Harbor River, depicting post-dredge conditions, shall be sent to the Department.
- 17) In order to protect the critically endangered Northern Right Whale, disposal of dredged material at the CCBDS is not allowed from January 1st to May 15th.
- 18) In order to protect passage, spawning, larval and juvenile development of winter flounder, American Shad and rainbow smelt, no dredging shall occur between February 1st and June 30th.
- 19) The applicant, or their contractor, shall make every feasible effort to complete the project within the permitted timeframe. Should the applicant, or their contractor, fail to complete the project and wish to request an amendment to the Certification for incursion into the no-dredge period, the written request shall be received by the Department by January 15th. The following information shall be included in the request:
 - a. project location and transmittal number,
 - b. the date on which dredging started,
 - c. the number of days and hours per day the dredge operated,
 - d. expected daily average production rate and the actual daily average production rate,
 - e. an explanation of why the project failed to remain on schedule,
 - f. an account of efforts made to get the project back on schedule,
 - g. a plan depicting the areas that remain to be dredged,
 - h. the number of cubic yards that remain to be dredged,
 - i. an accurate estimate of the number of days required to complete the project,
 - j. an evaluation of the impact of continued dredging on the species of concern,
 - k. a description of any efforts that will be made to minimize the impacts of the project on the species of concern, and a realistic assessment of any societal/financial effects of a denial of permission to continue dredging.

The Department will share the information with other resource agencies and a decision to grant or deny the amendment shall be made by February 1st. Requests for amendment received after January 15th will be considered at the Department's discretion.

20) Four weeks prior to commencement of the dredging activity, the applicant shall submit a notification procedure outlining the reporting process to the Department for incidents relating to the dredging activities impacting the surrounding resource area and habitats such as, but not limited to, observed dead or distressed fish, or other aquatic organisms, observed oily sheen on surface water, sediment spill, observed turbidity plume beyond the deployed BMPs, barging or equipment accident/spill. If any time during implementation of the project a fish kill or significant water quality problem occurs in the vicinity of the project, all site related activities impacting the water shall cease until the source of the problem is identified and adequate mitigating measures employed to the satisfaction of the Department.

This certification does not relieve the applicant of the obligation to comply with other applicable state or federal statutes or regulations. Any changes made to the project as described in the previously submitted Notice of Intent, 401 Water Quality Certification application, or supplemental documents will require further notification to the Department.

Certain persons shall have a right to request an adjudicatory hearing concerning certifications by the Department when an application is required:

- a. the applicant or property owner;
- b. any person aggrieved by the decision who has submitted written comments during the public comment period;
- c. any ten (10) persons of the Commonwealth pursuant to M.G.L. c.30A where a group member has submitted written comments during the public comment period; or
- d. any governmental body or private organization with a mandate to protect the environment, which has submitted written comments during the public comment period.

Any person aggrieved, any ten (10) persons of the Commonwealth, or a governmental body or private organization with a mandate to protect the environment may appeal without having submitted written comments during the public comment period only when the claim is based on new substantive issues arising from material changes to the scope or impact of the activity and not apparent at the time of public notice. To request an adjudicatory hearing pursuant to M.G.L. c.30A, § 10, a Notice of Claim must be made in writing, provided that the request is made by certified mail or hand delivery to the Department, with the appropriate filing fee specified within 310 CMR 4.10 along with a DEP Fee Transmittal Form within twenty-one (21) days from the date of issuance of this Certificate, and addressed to:

Case Administrator
Department of Environmental Protection
One Winter Street, 2nd Floor
Boston, MA 02108.

A copy of the request shall at the same time be sent by certified mail or hand delivery to the issuing office of the Wetlands and Waterways Program at:

Department of Environmental Protection
One Winter Street, 5th Floor
Boston, MA 02108.

A Notice of Claim for Adjudicatory Hearing shall comply with the Department's Rules for Adjudicatory Proceedings, 310 CMR 1.01(6), and shall contain the following information pursuant to 314 CMR 9.10(3):

- a. the 401 Certification Transmittal Number and DEP Wetlands Protection Act File Number;
- b. the complete name of the applicant and address of the project;
- c. the complete name, address, and fax and telephone numbers of the party filing the request, and, if represented by counsel or other representative, the name, fax and telephone numbers, and address of the attorney;
- d. if claiming to be a party aggrieved, the specific facts that demonstrate that the party satisfies the definition of "aggrieved person" found at 314 CMR 9.02;
- e. a clear and concise statement that an adjudicatory hearing is being requested;
- f. a clear and concise statement of (1) the facts which are grounds for the proceedings, (2) the objections to this Certificate, including specifically the manner in which it is alleged to be inconsistent with the Department's Water Quality Regulations, 314 CMR 9.00, and (3) the relief sought through the adjudicatory hearing, including specifically the changes desired in the final written Certification; and
- g. a statement that a copy of the request has been sent by certified mail or hand delivery to the applicant, the owner (if different from the applicant), the conservation commission of the city or town where the activity will occur, the Department of Environmental Management (when the certificate concerns projects in Areas of Critical Environmental Concern), the public or private water supplier where the project is located (when the certificate concerns projects in Outstanding Resource Waters), and any other entity with responsibility for the resource where the project is located.

The hearing request along with a DEP Fee Transmittal Form and a valid check or money order payable to the Commonwealth of Massachusetts in the amount of one hundred dollars (\$100) must be mailed to:

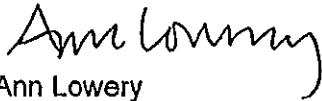
Commonwealth of Massachusetts
Department of Environmental Protection
Commonwealth Master Lockbox
P.O. Box 4062
Boston, MA 02211

The request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver. The filing fee is not required if the appellant is a city or town (or municipal agency), county, or district of the Commonwealth of Massachusetts, or a municipal housing authority. The Department may waive the adjudicatory-hearing filing fee pursuant to 310 CMR 4.06(2) for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file an affidavit setting forth the facts believed to support the claim of undue financial hardship together with the hearing request as provided above.

Failure to comply with this certification is grounds for enforcement, including civil and criminal penalties, under MGL c.21 §42, 314 CMR 9.00, MGL c. 21A §16, 310 CMR 5.00, or other possible actions/penalties as authorized by the General Laws of the Commonwealth.

If you have questions on this decision, please contact Ken Chin at 617-292-5893.

Sincerely,



Ann Lowery
Acting Deputy Assistant Commissioner
Bureau of Resource Protection

enclosure: Departmental Action Fee Transmittal Form
Material Shipping Record & Logs

cc:

Karen Adams, Regulatory/Enforcement Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751
Robert Boeri, CZM, 251 Causeway Street, Suite 800, Boston, MA 02114
Eileen Feeney, DMF, 1213 Purchase St., 3rd floor, New Bedford, MA 02740-6694
David Hill, Liz Kouloheras, DEP SERO
Marshfield Conservation Commission, 870 Moraine Street, Marshfield, MA 02050

KC/X229073



NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Amr Hamam to New Century Mortgage Corporation, dated August 5, 2005 and recorded with the Norfolk County Registry of Deeds at Book 22824, Page 230, of which mortgage Deutsche Bank National Trust Company, as trustee for HSI Asset Securitization Corporation Trust 2006-NC1 Mortgage Pass-Through Certificates, Series 2006-NC1 is the present holder, for breach of the conditions of said mortgage and for the purpose of foreclosing, the same will be sold at Public Auction at 5:00 p.m. on March 2, 2010, on the mortgaged premises located at 441-443 Washington Street, Quincy, Norfolk County, Massachusetts, all and singular the premises described in said mortgage,

TO WIT: certain parcel of land with the buildings thereon in said Quincy, being Lot No. 1 on a 'Revised Plan of and in the City of Quincy, owned by M.S. Ring,' September, 1908, recorded in Norfolk Deeds in Plan Book 50, Plan 2391, bounded and described as follows:

northerly: by Washington Street, fifty-one and 100 (51.4) feet;
 westerly: by land now or formerly of Lewis, one hundred twelve (112) feet;
 southerly: by land now or formerly of Ring, fifty (50) feet; and
 easterly: by land now or formerly of Baxter, one hundred twenty-four (124) feet.
 containing 5,900 square feet. Excepting therefrom 91 square feet taken by the city of Quincy, released by D.J. Ring, October 21, 1918, Norfolk Deeds Book 409, Page 268.

For the mortgagor's(s) title see deed recorded with Norfolk County Registry of Deeds in Book 22824, Page 228.
 These premises will be sold and conveyed subject to and with the benefit of all rights, rights of way, restrictions, easements, covenants, liens or claims in the nature of liens, improvements, public assessments, any and all unpaid taxes, tax titles, tax liens, water and sewer liens and any other municipal assessments or liens or existing encumbrances of record which are in force and are applicable, having priority over said mortgage, whether or not reference to such restrictions, easements, improvements, liens or encumbrances is made in the deed.

TERMS OF SALE:
 A deposit of Ten Thousand (\$10,000.00) Dollars by certified or bank check will be required to be paid by the purchaser at the time and place of sale. The balance is to be paid by certified or bank check at Harmon Law Offices, P.C., 150 California Street, Newton, Massachusetts 02458, or by mail to P.O. Box 10389, Newton Highlands, Massachusetts 02461-389, within thirty (30) days from the date of sale. A deed will be provided to purchaser for recording upon receipt in full of the purchase price. The description of the premises contained in said mortgage shall control in the event of an error in this publication. Other terms, if any, to be announced at the sale.

DEUTSCHE BANK NATIONAL TRUST COMPANY, AS TRUSTEE FOR HSI ASSET SECURITIZATION CORPORATION TRUST 2006-NC1 MORTGAGE PASS-THROUGH CERTIFICATES, SERIES 2006-NC1
 Present holder of said mortgage

By its Attorneys,
HARMON LAW OFFICES, P.C.
 150 California Street
 Newton, MA 02458
 (617) 558-0500
 200803-1020-RED
 2/5, 2/12, 2/19/10



DEPARTMENT OF ENVIRONMENTAL PROTECTION

WATERWAYS REGULATION PROGRAM
 Notice of Permit Application Pursuant to M.G.L. Chapter 91
 Waterways Permit Application Number W10-2920
 Old Allie, LLC

NOTIFICATION DATE: February 22, 2010
 Public notice is hereby given of the waterways application by Old Allie, LLC to perform maintenance dredging with upland disposal at 93 Central Street, in the municipality of Marshfield, in and over flowed tidal lands of Green Harbor River. The proposed project has been determined to be water-dependent.

The Department will consider all written comments of this Waterways application received within 15 days subsequent to the "Notification Date". Failure of any aggrieved person or group of ten citizens or more to submit written comments to the Waterways Regulation Program by the Public Comments Deadline will result in the waiver of any right to an adjudicatory hearing in accordance with 310 CMR 9.13(4)(c).

Additional information regarding this application may be obtained by contacting the Waterways Regulation Program at (508) 946-2748. Project plans and documents for this application are on file with the Waterways Regulation Program for public viewing, by appointment only, at the address below.

Written comments must be addressed to: David E. Hill, Environmental Engineer, DEP Waterways Regulation Program, 20 Riverside Drive, Lakeville, MA 02347.

2/12/10

THE COMMONWEALTH OF MASSACHUSETTS LAND COURT DEPARTMENT OF THE TRIAL COURT



Case No. 417426
 To: Vien Lam; The Thanh Luu and to all persons entitled to the benefit of the Servicemembers Civil Relief Act.

BAC Home Loans Servicing, LP claiming to be the holder of a Mortgage covering real property in Quincy, numbered 888 Sea Street given by Vien Lam and The Thanh Luu to Mortgage Electronic Registration Systems, Inc., dated August 31, 2006, and recorded with the Norfolk County Registry of Deeds at Book 24043, Page 75 and now held by the plaintiff by assignment has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of power of sale.

If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such

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Chimney Cleaning & Repair

J. NALLY CO. New, rebuilt, repaired, cleaning & liners installed. No job too small. 781-635-6831

Electrical & Appliances

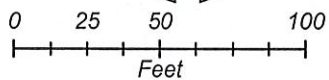
MASTER ELECTRICIAN, Lic. #13685. No Job Too Small. Ins. Free Estimates. Call Basil, 617-471-9067

Licensed Electrician. Free estimates. Insured. Lic. #36635. Bert 781-878-0535

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Permit No. 12891

*"For Intra-Agency Policy
Deliberations Only"*

All data subject to revision

2005 MassGIS Color Orthos

FEBRUARY, 2011 DH

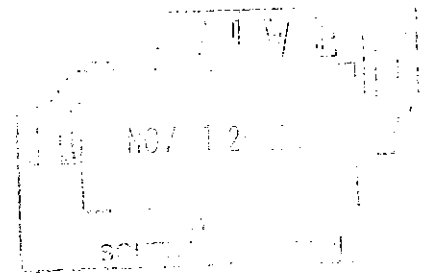
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November 8, 2010

Mr. David Hill
D. E. P., Wetlands and Waterways Section
20 Riverside Drive
Lakeville, Massachusetts 02347



Re: Permit No. 12891
Taylor Marine, Dredging
93 Central Street

Dear Mr. Hill:

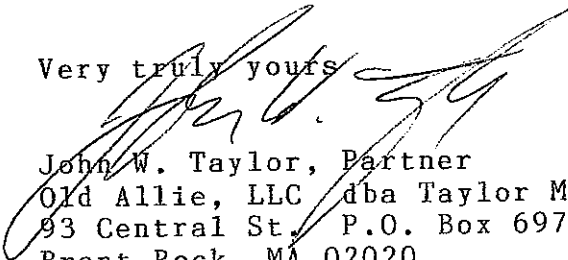
Please be advised that Tripp Marine Construction, 1038 Drift Road, Westport, MA, Telephone No. (508) 636-9095, is scheduled to begin dredging at our Marina on December 1, 2010 and will hopefully be completed by January 1, 2011, under the above reference Permit.

As you may recall, 9,500+/- c.y. of material is scheduled to be dredged from the Marina's 2.5+/- acre mooring basin. Because of the results of the sediment testing within the Marina's mooring basin, the basin has been divided into two (2) dredging areas, one area for upland sediment disposal and the other for ocean sediment disposal. Tripp Marine will only be mechanically dredging, with disposal at the Mass Bay Disposal Site, the most westerly section of the basin. This area is 1.2+/- acres and contains 4,100+/- c.y.

The remaining 1.3+/- acres, containing 5,400+/- c.y. of sediment, will be dredged and disposed of at the Town of Marshfield's upland disposal site off of Joseph Driebeck Way by the Applicant as general contractor, with sub-contracts to Wayne Lopes Contracting, 212 Main Street Marshfield, Telephone No. (781) 834-1718 and Gilman Equipment, P.O. Box 139, Marshfield Hills, Telephone No. (781) 706-7566. This work is also scheduled to begin on December 1, 2010 and hopefully be completed by February 1, 2011

If you need any additional information, please call.

Very truly yours


John W. Taylor, Partner
Old Allie, LLC dba Taylor Marine
93 Central St. P.O. Box 697
Brant Rock, MA 02020
(781) 837-9617



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

PERMIT NO. 12891

Name and Address of Permittee:

Old Allie, LLC, dba Taylor Marine
Attn: John W. Taylor
P.O. Box 697
Brant Rock, MA 02020

ISSUED: October 25, 2010
EXPIRES: October 25, 2020

Permission is hereby given by the Department of Environmental Protection to: perform maintenance dredging of approximately 5,400 cubic yards of sediment from the marina boat basin in Green Harbor River, Marshfield. The dredge material will be beneficially reused as intermediate cover material at the Town of Marshfield Dredge Disposal Area off Town Pier Road.

All work authorized herein shall be in the location shown and to the dimensions indicated in the permit plan titled: "Maintenance Dredging with Upland Disposal, Green Harbor River, Marshfield, Application by Old Allie LLC", Michael L. Beshara, RLS, dated December 2009 (3 Sheets).

STANDARD WATERWAYS PERMIT CONDITIONS

1. Acceptance of this Waterways Permit shall constitute an agreement by the Permittee to conform to all terms and conditions stated herein.
2. This Waterways Permit is issued upon the express condition that any and all other applicable authorizations necessitated due to the provisions hereof shall be secured by the Permittee prior to the commencement of any activity authorized pursuant to this Permit.

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057, TDD# 866-539-7622 or 617-574-6868.

DEP on the World Wide Web: <http://www.mass.gov/dep>

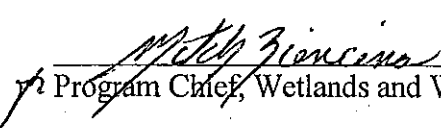
Printed on Recycled Paper

3. This Waterways Permit shall be revocable by the Department for noncompliance with the terms and conditions set forth herein. This Permit may be revoked after the Department has given written notice of the alleged noncompliance to the Permittee, or his/her agent, and those persons who have filed a written request, with the Department, for such notice and has afforded the Permittee a reasonable opportunity to correct said noncompliance. Failure to correct said noncompliance after the issuance of a written notice by the Department shall render this Waterways Permit void.
4. This Waterways Permit is issued subject to all applicable federal, state, county, and municipal laws, ordinances, by-laws, and regulations, including but not limited to, a valid Order of Conditions issued pursuant to the Wetlands Protection Act, M.G.L. Chapter 131, s.40. In particular, this issuance is subject to the provisions of Sections 52 to 56, inclusive of Chapter 91 of the General Law and its Regulations 310 CMR 9.40(5), which provides, in part, that the transportation and dumping of dredge material shall be done under the supervision of the Department, and, when required, the Permittee shall provide at his/her expense a dredge inspector approved by the Department.
5. This Waterways Permit is issued upon the express condition that dredging and transportation and disposal of dredge material shall be in strict conformance with the Water Quality Certification issued by the Department of Environmental Protection.
6. All subsequent maintenance dredging and transportation and disposal of this dredge material, during the term of this Permit, shall conform to all standards and conditions applied to the original dredging operation performed under this Permit.
7. After completion of the work authorized, the Permittee shall furnish to the Department a suitable plan showing the depths at mean low water over the area dredged. Dredging under this Permit shall be conducted so as to cause no unnecessary obstruction of the free passage of vessels, and care shall be taken to cause no shoaling. If, however, any shoaling is caused, the Permittee shall, at his/her expense, remove the shoal areas. The Permittee shall pay all costs of supervision, and if at any time the Department deems necessary a survey or surveys of the area dredged, the Permittee shall pay all costs associated with such work. Nothing in this Permit shall be construed to impair the legal rights of any persons, or to authorize dredging on land not owned by the Permittee without consent of the owner(s) of such property.
8. The Permittee shall assume and pay all claims and demands arising in any manner from the work authorized herein, and shall save harmless and indemnify the Commonwealth of Massachusetts, its officers, employees, and agents from all claims, audits, damages, costs and expenses incurred by reason thereof.
9. The Permittee shall, at least three days prior to the commencement of any dredging in tide water, give written notice to the Department of the time, location and amount of the proposed work.
10. Whosoever violates any provisions of this Permit shall be subject to a fine of \$25,000 per day for each day such violation occurs or continues, or by imprisonment for not more than one year, or both such fine and imprisonment; or shall be subject to civil penalty not to exceed \$25,000 per day for each day such violation occurs or continues.

SPECIAL WATERWAYS PERMIT CONDITIONS

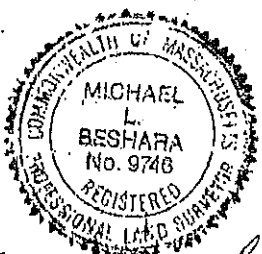
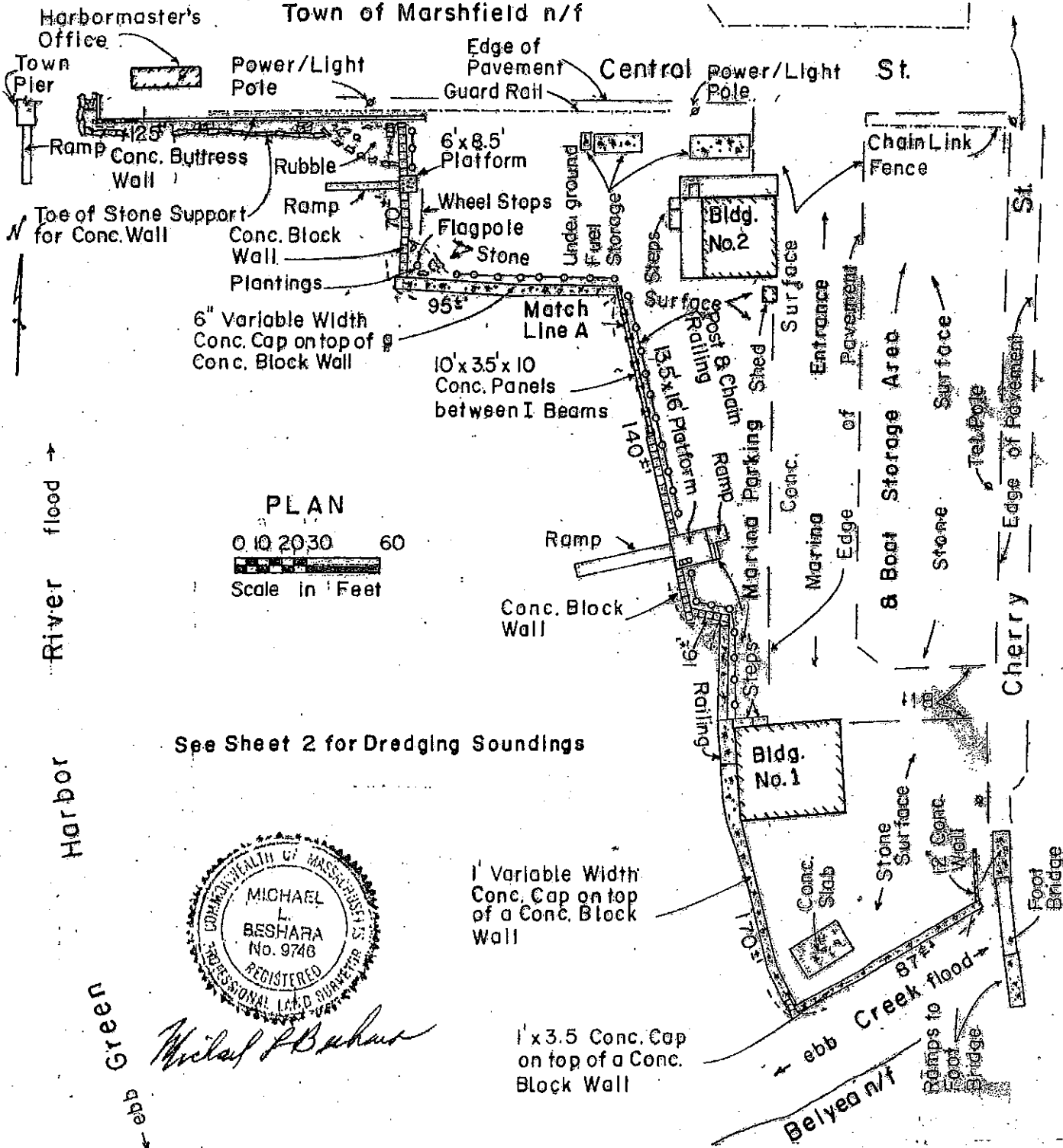
1. Dredging shall be performed by mechanical methods.
2. Dredging shall be to a maximum depth of 6.0 feet below the mean low water (MLW) datum with an allowable one (1) foot over dredge.
3. No dredging shall occur between February 1st to June 30th of any year.
4. Dredge material shall be beneficially reused as intermediate cover material at the Town of Marshfield Dredge Disposal Area off Town Pier Road.
5. Watertight containers shall be used to transfer dredge material from the off loading area to the Town of Marshfield Dredge Disposal Area.
6. Maintenance dredging may be performed for a period of ten (10) years subsequent to the date of issuance of this permit.
7. After completion of the work authorized, the Permittee shall furnish to the Department a suitable plan showing the depths at mean low water over the area dredged within 90 days of completion of dredging.

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Program Chief, Wetlands and Waterways

Town of Marshfield n/f

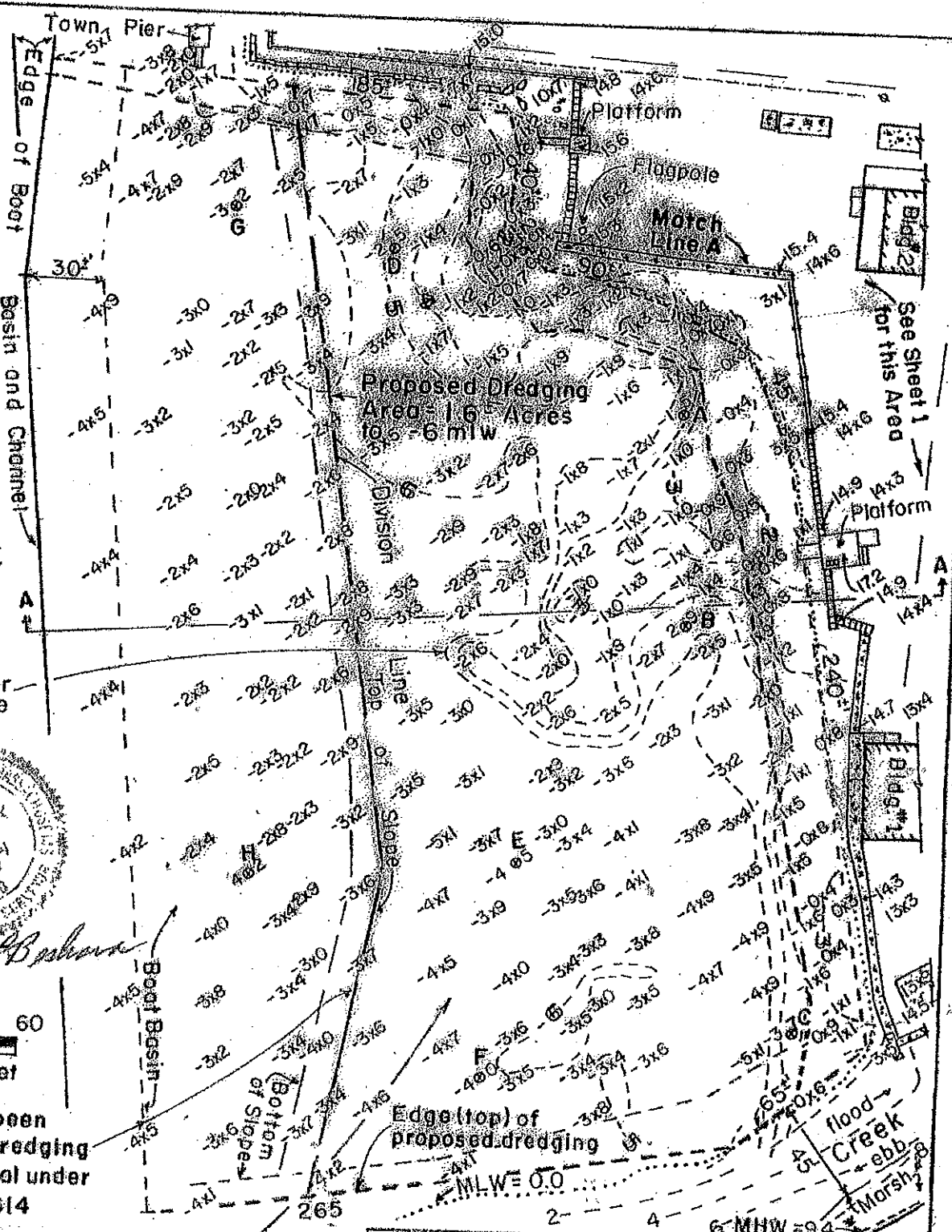


Michael L. Beshara

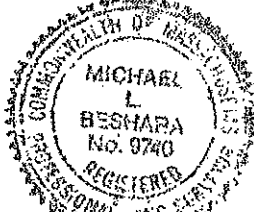
Maintenance Dredging with Upland Disposal, Green Harbor River, Marshfield
 Application by Old Alie, LLC
 December, 2009 Sheet 1 of 3 Sheets

PERMIT NO. 12891
 Approved by Department of Environmental Protection
 Date: **OCT 25 2010**

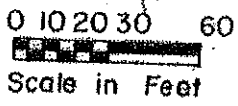
Green Harbor River
 (To be dredged by others)



See Sheet 3 for the intent of the contour lines



Michael Beshara
 PLAN



This area has been approved for Dredging & Ocean Disposal under License No. 12014

Proposed dredging requested for upland disposal by this application. The proposed dredging volume to -6 mlw is 5,400 cy

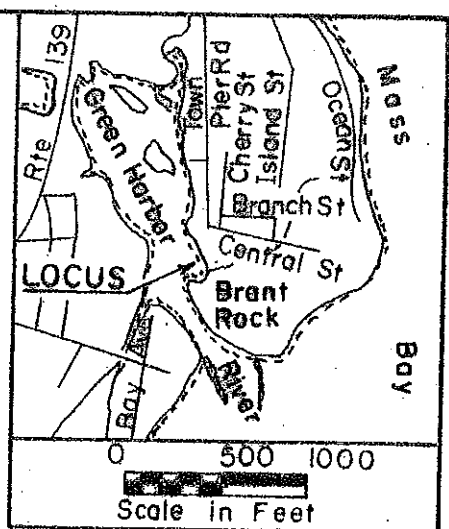
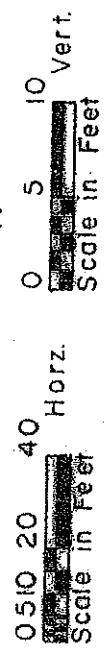
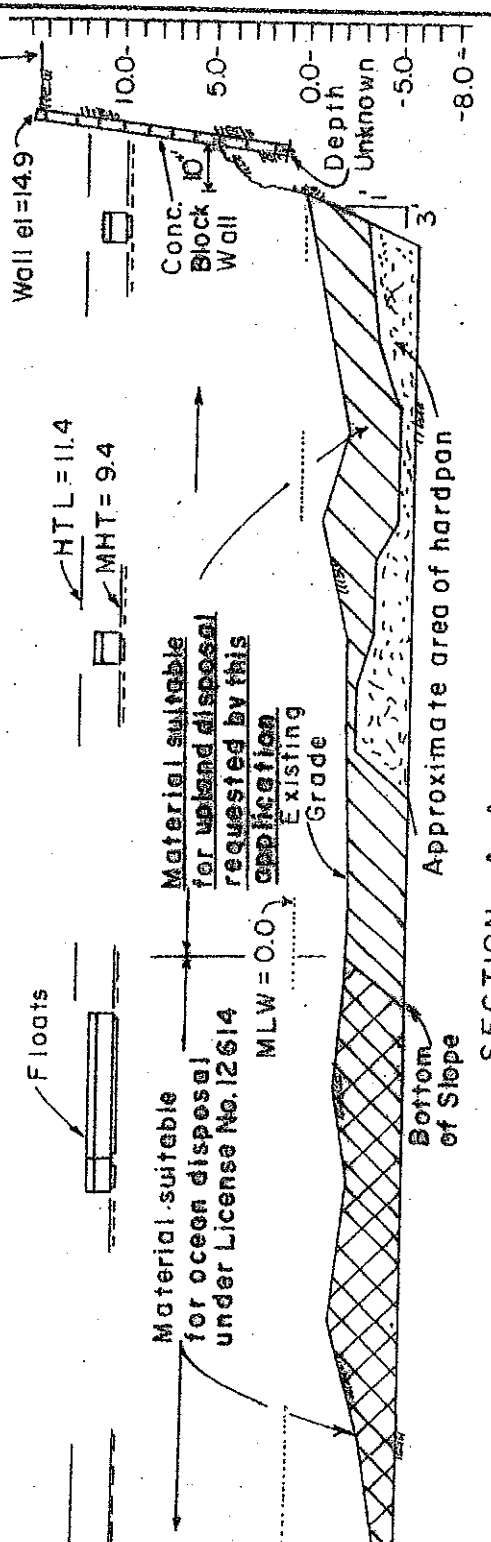
Maintenance Dredging with Upland Disposal, Green Harbor River, Marshfield
 Application by Old Ailie, LLC
 December, 2009 Sheet 2 of 3 Sheets

PERMIT NO. 12891
 Approved by Department of Environmental Protection
 Date: **OCT 25 2010**

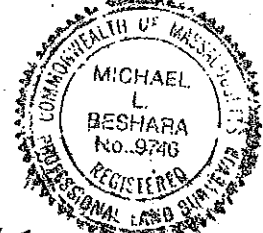
Green Harbor River & Boat Basin
Taylor Marina

HTL = 11.4
MHW = 9.4

MLW = 0.0
Area to be Dredged
- 6 MLW



Notes:
These plans have been prepared for permits for the proposed dredging.
The property lines shown on these plans are not the result of an actual on the ground survey. The lines of ownership have been compiled from plans and deeds of record
Elevations are in feet and tenths of feet and are based on the plane of mean low water. Minus figures represent elevations below that plane.
The contour lines shown on Sheet 2, (---4---) are intended to show the approximate location and depth of hardpan within the dredging area.
The edge of the proposed dredging is to be a minimum of 10' away from the toe of all structures and then a 1:3 slope is to be maintained
Dredging is to - 6 MLW, as shown on Sheet 2 or until hardpan is encountered. See Sheet 2 for approximate depth/s to hardpan.



Michael L. Beshara

Maintenance Dredging with Upland Disposal, Green Harbor River, Marshfield
Application by Old Allie, LLC
December, 2009 Sheet 3 of 3 Sheets

PERMIT NO. 12891
Approved by Department of Environmental Protection
Date: OCT 25 2010



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

OCT 25 2010

Old Allie, LLC, dba Taylor Marine
Attn: John W. Taylor
P.O. Box 697
Brant Rock, MA 02020

RE: ISSUANCE OF CHAPTER 91 WATERWAYS PERMIT

Waterways Application No. W10-2920, Permit No. 12891
Old Allie, LLC, dba Taylor Marine, Green Harbor River, Marshfield

Dear Sir or Madam:

Following an in-depth review of the referenced file, the Department of Environmental Protection has approved the attached permit authorizing you to perform maintenance dredging pursuant to M.G.L. Chapter 91 and Regulations 310 CMR 9.00.

This Permit is not final until all administrative appeal periods from this Permit have elapsed, or if such an appeal has been taken, until all proceedings before the Department have been completed. The appeal period is for twenty-one (21) days. No work shall be undertaken until the Permit has become final.

NOTICE OF APPEAL RIGHTS

Who has the right to appeal?

The following persons shall have the right to an adjudicatory hearing concerning this decision by the Department to grant or deny a license or permit, in accordance with 310 CMR 9.17(1): (a) an applicant who has demonstrated property rights in the lands in question, or which is a public agency; (b) any person aggrieved by the decision of the Department to grant a license or permit who has submitted written comments within the public comment period; (c) ten (10) residents of the Commonwealth who, pursuant to M.G.L. c. 30A, § 10A, have submitted comments within the public comment period with at least 5 of the 10 residents residing in the municipality(s) in which the license or permitted activity is located. The appeal shall clearly and specifically state the facts and grounds for the appeal and the relief sought, and each appealing resident shall file an affidavit stating the intent to be part of the group and to be represented by its authorized representative; (d) the municipal official in the affected municipality who has submitted written comments within the public comment period; and (e) CZM, for any project identified in 310 CMR 9.13(2) (a) for CZM participation or, in an Ocean Sanctuary, if it has filed a notice of participation within the public comment period.

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD# 866-539-7622 or 617-574-6868.

DEP on the World Wide Web: <http://www.mass.gov/dep>

Printed on Recycled Paper

How can I request an adjudicatory hearing?

A person requesting an adjudicatory hearing must submit a "Notice of Claim" to the Department, with a copy of the MassDEP Transmittal Form and including the detail specified below, within twenty-one (21) days of the date of issuance of this decision. The MassDEP Fee Transmittal Form is available at the following website: <http://www.mass.gov/dep/service/adr/adjherfm.doc>. The Notice of Claim must be made in writing and sent by certified mail or hand delivery to:

Case Administrator
MassDEP
One Winter Street, 2nd Floor
Boston, MA 02108

A copy of the complete Notice of Claim must be sent at the same time by certified mail or hand delivery to: (1) the applicant, (2) the municipal official of the city or town where the project is located, and (3) the issuing office of the MassDEP, which in this case is located at:

MassDEP Waterways Regulation Program
20 Riverside Drive
Lakeville, MA 02347

The MassDEP Fee Transmittal Form and a valid check payable to the Commonwealth of Massachusetts in the amount of one hundred dollars (\$100) must be mailed to:

Mass. Department of Environmental Protection
Commonwealth Master Lockbox
P.O. Box 4062
Boston, Massachusetts 02211

What information must be included in the hearing request?

Pursuant to 310 CMR 9.17(3), any Notice of Claim requesting an adjudicatory hearing must include the following information:

- (a) the MassDEP Waterways Application File Number;
- (b) the complete name, address, fax number and telephone number of the applicant;
- (c) the address of the project;
- (d) the complete name, address, fax number, and telephone number of the party filing the request and, if represented by counsel, the name, address, fax number, and phone number of the attorney;
- (e) if claiming to be a person aggrieved, the specific facts that demonstrate that the party satisfies the definition of "aggrieved person" found in 310 CMR 9.02;
- (f) a clear statement that a formal adjudicatory hearing is being requested;
- (g) a clear statement of the facts which are the grounds for the proceedings, the specific objections to the MassDEP's written decision, and the relief sought through the adjudicatory hearing, including specifically the changes desired in the final written decision; and
- (h) a statement that a copy of the request has been sent to: the applicant and the municipal official of the city or town where the project is located.

Dismissal of request

The request for appeal will be dismissed if the filing fee is not paid, unless the appellant is exempt or is

RE: ISSUANCE OF CHAPTER 91 WATERWAYS PERMIT
Waterways Application No. W10-2920, Permit No. 12891
Old Allie, LLC, dba Taylor Marine, Green Harbor River, Marshfield

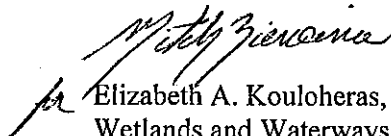
Page 3

granted a waiver. The filing fee is not required if the appellant is a city or town (or municipal agency), county, or district of the Commonwealth of Massachusetts, or a municipal housing authority. The Department may waive the adjudicatory hearing filing fee pursuant to 310 CMR 4.06(2) for a person who shows that paying the fee will create an undue financial hardship. A person seeking a waiver must file an affidavit setting forth the facts believed to support the claim of undue financial hardship together with the hearing request as provided above.

Please note that the Department may revoke this permit for non-compliance with the terms and conditions set forth. Therefore, it is recommended that you contact the Department prior to performing any alterations or use modifications for review and, if necessary, approval pursuant to M.G.L. Chapter 91.

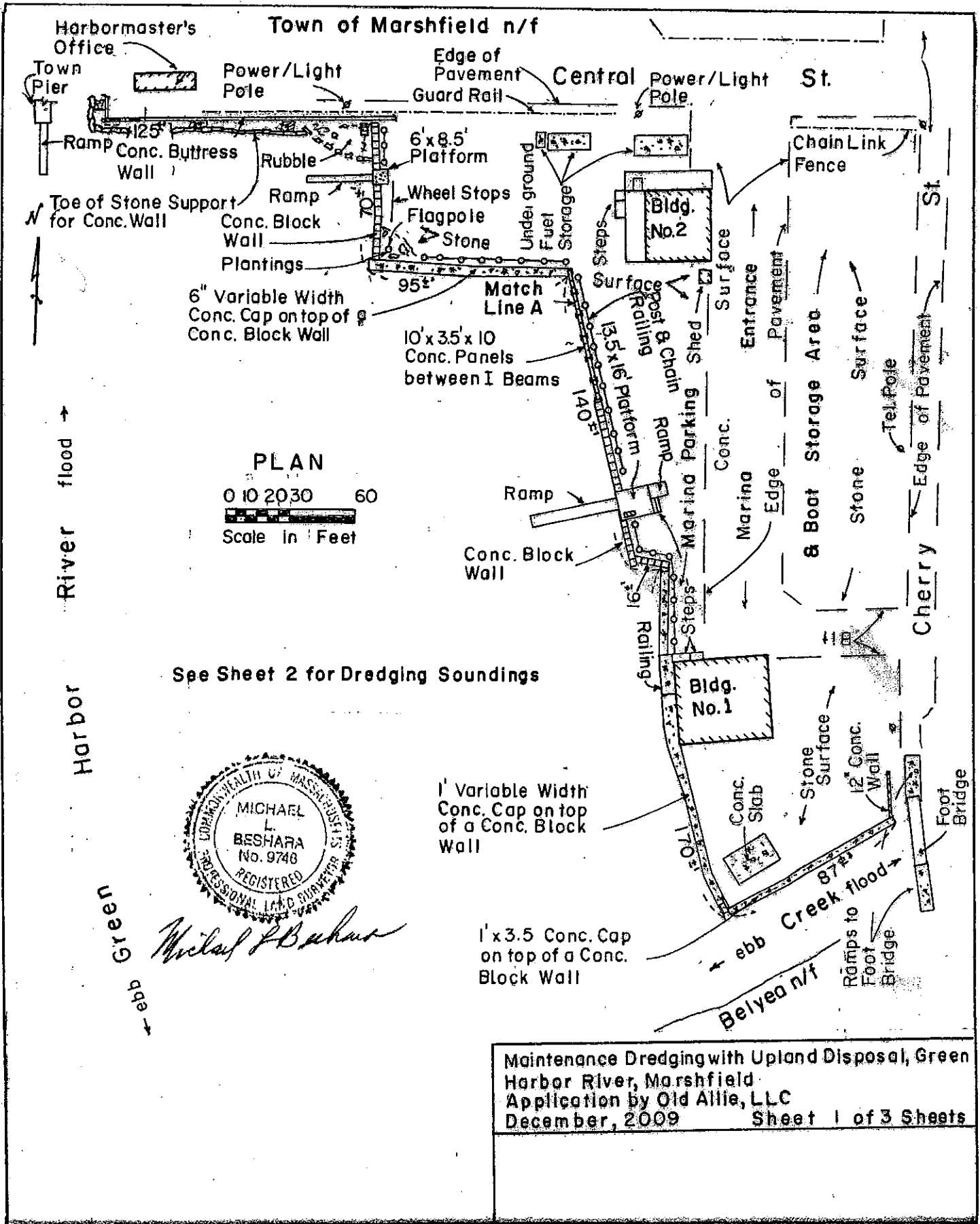
Please feel free to contact Lisa Ramos of the Waterways Regulation Program, (508) 946-2748, if you have any questions pertaining to this Waterways Permit.

Very truly yours,

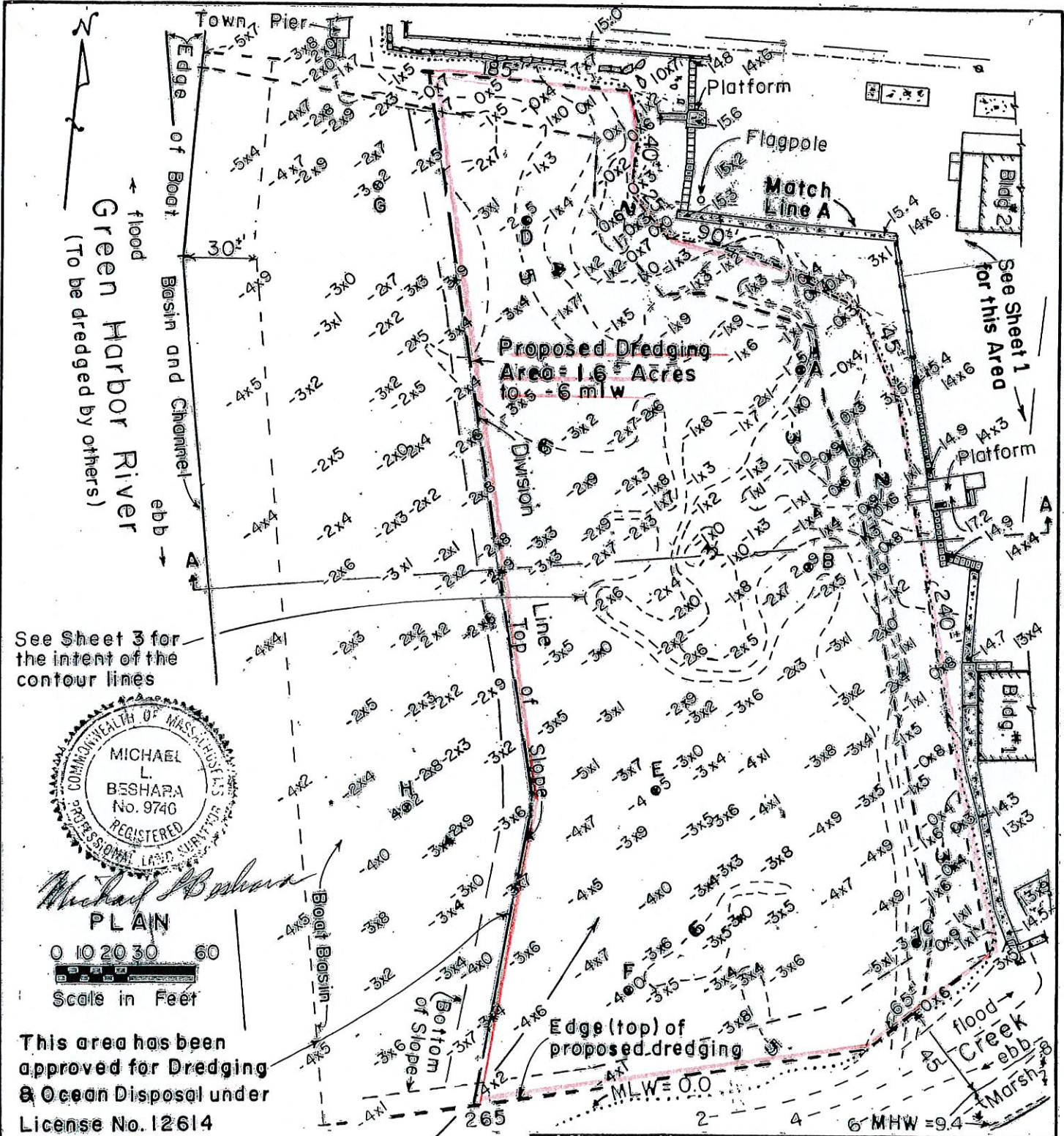

Elizabeth A. Kouloheras, Chief
Wetlands and Waterways Program

cc: Office of Coastal Zone Management
Ben Lynch, Waterways Section Chief, DEP-Boston
Marshfield Harbormaster
Old Allie, LLC, Attn: John W. Taylor

Enclosure(s) Waterways Permit No. 12891



Maintenance Dredging with Upland Disposal, Green Harbor River, Marshfield
 Application by Old Allie, LLC
 December, 2009 Sheet 1 of 3 Sheets



See Sheet 3 for the intent of the contour lines



Michael L. Beshara
PLAIN



This area has been approved for Dredging & Ocean Disposal under License No. 12614

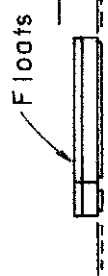
Proposed dredging requested for upland disposal by this application. The proposed dredging volume to -6 mlw is 5,400 cy

Maintenance Dredging with Upland Disposal, Green Harbor River, Marshfield
 Application by Old Allie, LLC
 December, 2009 Sheet 2 of 3 Sheets

Green Harbor River & Boat Basin

Taylor Marina

HTL = 11.4
MHW = 9.4



HTL = 11.4
MHT = 9.4



el = 14.5
Wall el = 14.9

Material suitable for ocean disposal under License No. 12614
Material suitable for upland disposal requested by this application

MLW = 0.0

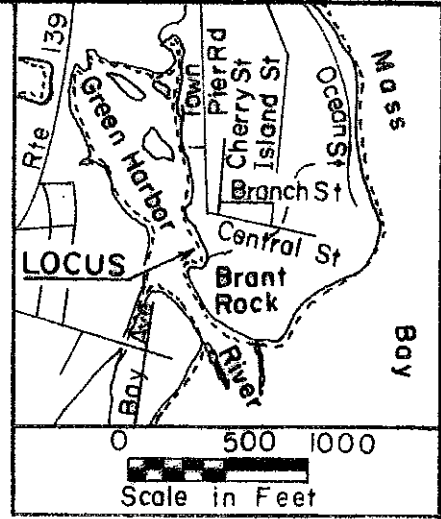
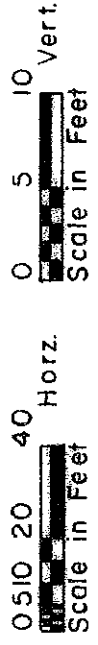
Area to be Dredged
- 6 MLW

Existing Grade

Approximate area of hardpan

Depth Unknown

SECTION A-A



Notes:

These plans have been prepared for permits for the proposed dredging.

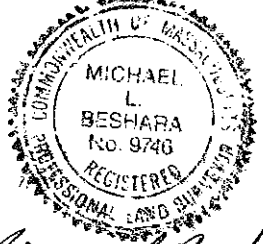
The property lines shown on these plans are not the result of an actual on the ground survey. The lines of ownership have been compiled from plans and deeds of record

Elevations are in feet and tenths of feet and are based on the plane of mean low water. Minus figures represent elevations below that plane.

The contour lines shown on Sheet 2, (---4---) are intended to show the approximate location and depth of hardpan within the dredging area.

The edge of the proposed dredging is to be a minimum of 10' away from the toe of all structures and then a 1:3 slope is to be maintained

Dredging is to - 6 MLW, as shown on Sheet 2 or until hardpan is encountered. See Sheet 2 for approximate depth/s to hardpan.

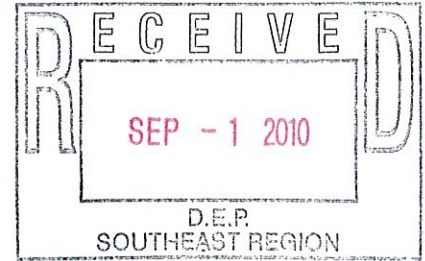


Michael L. Beshara

Maintenance Dredging with Upland Disposal, Green Harbor River, Marshfield
Application by Old Allie, LLC
December, 2009 Sheet 3 of 3 Sheets

August 25, 2010

Mr. Ken Chin
Department of Environmental Protection
Division of Wetlands and Waterways
One Winter Street
Boston, Massachusetts 02108



Re: Taylor Marine
93 Central Street
Brant Rock, Green Harbor River
Trans. No. X 234829

Dear Mr. Chin:

We are enclosing a **NEW** Application, with accompanying supplementary materials, as required by your Department, to issue a Water Quality Certificate (WQC), for the proposed maintenance dredging of 9,480+/- cy of material from our Marina at the above referred to address.

As you may recall, on September 29, 2009, your Department issued a WQC, under Transmittal No. X 229073, for the dredging of a portion of the Marina's Boat Basin, with disposal at sea. We were hoping to dredge the entire Boat Basin and dispose of all of the material at sea, but in the US Army Corps of Engineers' Suitability Determination for the dredge material, they determined only a portion of the material could go to sea and the remainder would have to go to an upland site. This decision created the need for two separate disposal locations for the dredging spoils from the same boat basin.

The Corps issued a Permit, No. 2009-3753, for the dredging and disposal work on November 13, 2009. The expiration date for the Permit was January 20, 2010. However, the Permit would be extended for one year, to January 20, 2011, provided we had a contract with a dredging contractor prior to January 20, 2010, which we do. The above mentioned WQC is in effect for the same duration as the Corps Permit .

Unfortunately, our dredging contractor had three (3) other dredging contracts in the Green Harbor River and while performing those operations, ran into delays because of weather and conflicts with a second dredging contractor working in the river. The second contractor was dredging the Federal Channel for the Corps. Our Marina was scheduled to be dredging last, but because of these delays and the environmental windows closing, our work was not done.

Taking into consideration that the Corps Permit would expire on January 20, 2011, and based on our 'experiences' from last year and knowing the complications we are sure to run into, we decided to file for a new Permit with the Corps. The Corps issued a new Permit on May 6, 2010, copy enclosed, for the dredging and for the disposal at both, at sea and at an upland site.

Again, considering the Department's WQC will also expire on January 20, 2011, and for the other reasons mentioned above, we are respectively requesting your Department issue a new WQC for our project. This request is for the dredging of 9,480+/- cy, of which 4,080+/- cy of material will be disposed of at either the MBDS or the CCBDS and the remaining 5,400+/- cy of material will be disposed of at the Town of Marshfield's upland disposal site off of Joseph Driebeek Way, formerly known as Town Pier Road.

As mentioned above, we are enclosing the following:

- 1) Application Form, WW 07, Major Project Application, with attachments;
- 2) Copy of the Amended Order of Conditions issued on 10/7/2009, by the Town of Marshfield;
- 3) Copy of Transmittal Form No. X 229073 and a copy of the accompanying check in the amount of \$400.00;
- 4) A previously issued Water Quality Certificates, dated 6/07/1990 and 9/29/09;
- 5) Copy of the Secretary's Certificate, dated February 7, 2005;
- 6) A USGS Quad Map of the area;
- 7) Project plans three (3) Sheets, dated December, 2009, with a revision date of 8/25/10, on Sheets 2 and 3,
- 8) Project photographs, and
- 9) Authorization letters from the Town of Marshfield's Board of Health, dated 8/24/10 and the Public Works Department, addressed to you dated 8/23/10, to use the Town's upland disposal site.

Thank you for your continued assistance.

Very truly yours,

JWT

John W. Taylor, Partner
Old Allie LLC, DBA Taylor Marine
93 Central St. P.O. Box 697
Brant Rock, MA 02020
(781) 837-9617

Enclosure
cc: David Hill, DEP, Lakeville

Hill, David (DEP)

From: Petitpas, Christian (FWE)
Sent: Wednesday, March 31, 2010 11:14 AM
To: Hill, David (DEP)
Subject: W10-2920, Old Allie, LLC, Marshfield

Dear Mr. Hill,

Marine Fisheries has reviewed the waterways application by Old Alley, LLC to perform maintenance dredging with upland disposal at 93 Central Street, Green Harbor River, in the municipality of Marshfield. In order to protect passage, spawning, larval and juvenile development of winter flounder and alewife, a TOY restriction on dredging is recommended between February 1 and June 30 of any year.

Christian M. Petitpas
Division of Marine Fisheries
1213 Purchase Street, 3rd Fl
New Bedford, MA 02740

Ph: (508) 990-2860 ext. 141
Fax: (508) 990-0449
christian.petitpas@state.ma.us

February, 16, 2010

Mr. David Hill
Commonwealth of Massachusetts
Department of Environmental Protection
Wetlands and Waterways Section
20 Riverside Drive
Lakeville, Massachusetts 02347

Re: File No. W 10-2920
93 Central Street
Marshfield, MA
Green Harbor River

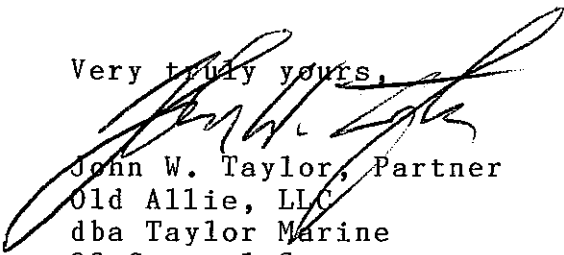
Dear Mr. Hill:

We are enclosing copies of the certified mail notices and a copy of the material we sent to the abutters and the Agencies that you have requested in your letter of February 4, 2010.

Also enclosed is the signed Municipal Zoning Certificate, the signed Municipal Planning Board Notification Form and the Notice of License Application, as it was published in the Patriot Ledger Newspaper on February 12, 2010.

If you need any additional information, please call.

Very truly yours,



John W. Taylor, Partner
Old Allie, LLC
dba Taylor Marine
93 Central Street
Brant Rock, MA 02020
(781) 837-9617

Enclosures:

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATERWAYS REGULATION PROGRAM**

**Notice of Permit Application Pursuant to M. G. L. Chapter 91
Waterways Permit Application Number W10-2920
Old Allie, LLC**

NOTIFICATION DATE: February 22, 2010

Public notice is hereby given of the waterways application by Old Allie, LLC to perform maintenance dredging with upland disposal at 93 Central Street, in the municipality of Marshfield, in and over flowed tidelands of Green Harbor River. The proposed project has been determined to be water-dependent.

The Department will consider all written comments on this Waterways application received within 15 days subsequent to the "Notification Date". Failure of any aggrieved person or group of ten citizens or more to submit written comments to the Waterways Regulation Program by the Public Comments Deadline will result in the waiver of any right to an adjudicatory hearing in accordance with 310 CMR 9.13(4)(c).

Additional information regarding this application may be obtained by contacting the Waterways Regulation Program at (508) 946-2748. Project plans and documents for this application are on file with the Waterways Regulation Program for public viewing, by appointment only, at the address below.

Written comments must be addressed to: David E. Hill, Environmental Engineer, DEP Waterways Regulation Program, 20 Riverside Drive, Lakeville, MA 02347.

Pursuant to 310 CMR 9.13(1)(a), the Applicant is also required to concurrently provide this notification, along with a copy of the project site plans submitted with the Waterways Permit Application and the appropriate municipal officials, regulatory agencies and abutters to the project for their review and comment (see Notification mailing list attached). The applicant shall send the notice of license or permit application by Certified mail to the attached list and abutters and notify the Department when completed.

Mailing List: Notice of Permit Application pursuant to M. G. L. Chapter 91

- ✓ Marshfield Town Hall
- ✓ Marshfield Planning Board
- ✓ Marshfield Zoning Board
- ✓ Marshfield Conservation Commission
- ✓ Marshfield Harbormaster

Coastal Zone Management

- ✓ 251 Causeway Street, Suite 800
Boston, MA 02114

- ✓ Jon Regosin, Ph.D.
Division of Fish & Wildlife and Law Enforcement
Field Headquarters
1 Rabbit Hill Road
Westboro, MA 01581

- ✓ Division of Marine Fisheries
1213 Purchase Street, 3rd Fl.
New Bedford, MA 02740
Attn: Environmental Reviewer

- ✓ Massachusetts Historical Commission
220 Morrissey Blvd., Columbia Point
Boston, MA 02125

- ✓ **Abutters** – For Chapter 91 purposes, an abutter is defined as the owner of land that shares, along the waters edge, a common boundary or corner with a project site, as well as the owner of land that lies within 50' across a waterbody from such site. See 310 CMR 9.02.

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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 44
Certified Fee	280
Return Receipt Fee (Endorsement Required)	230
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.54

Postmark Here

Sent To
 Div. of Marine Fisheries
 Street, Apt. No., or PO Box No. 1213 Purchase St 3rd Fl.
 City, State, ZIP+4 New Bedford, MA 02740

PS Form 3800, August 2006 See Reverse for Instructions

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.54

Postmark Here

Sent To
 Marsh. Conser. Comm.
 Street, Apt. No., or PO Box No. 870 Moraine St
 City, State, ZIP+4 Marshfield, MA 02050

PS Form 3800, August 2006 See Reverse for Instructions

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Postage	\$ 44
Certified Fee	280
Return Receipt Fee (Endorsement Required)	230
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.54

Postmark Here

Sent To
 Marsh. Zoning Board
 Street, Apt. No., or PO Box No. 870 Moraine St
 City, State, ZIP+4 Marshfield, MA 02050

PS Form 3800, August 2006 See Reverse for Instructions

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Postage	\$ 44
Certified Fee	280
Return Receipt Fee (Endorsement Required)	230
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.54

Postmark Here

Sent To
 Marshfield Harbormaster
 Street, Apt. No., or PO Box No. 1639 Ocean St.
 City, State, ZIP+4 Marshfield, MA 02050

PS Form 3800, August 2006 See Reverse for Instructions

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For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 44
Certified Fee	280
Return Receipt Fee (Endorsement Required)	230
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.54

Postmark Here

Sent To
 Marsh. Brd. Selectmen
 Street, Apt. No., or PO Box No. 870 Moraine St
 City, State, ZIP+4 Marshfield, MA 02050

PS Form 3800, August 2006 See Reverse for Instructions

U.S. Postal Service™
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(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 44
Certified Fee	280
Return Receipt Fee (Endorsement Required)	230
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.54

Postmark Here


Sent To
 Marsh. Planning Board
 Street, Apt. No., or PO Box No. 870 Moraine St
 City, State, ZIP+4 Marshfield, MA 02050

PS Form 3800, August 2006 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$ 44	
Certified Fee	280	
Return Receipt Fee (Endorsement Required)	230	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 554	

Sent To **Coastal Zone Management**
 Street, Apt. No.; or PO Box No. **251 Causeway St #800**
 City, State, ZIP+4 **Boston, MA 02114**


PS Form 3800, August 2006 See Reverse for Instructions

5290 9650 0000 2810 0000 7006 2810 0000 8596 0675

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Sent To **Jon Regosin, Ph.D**
 Street, Apt. No.; or PO Box No. **One Rabitt Hill Rd.**
 City, State, ZIP+4 **Westboro, MA 01581**

PS Form 3800, August 2006 See Reverse for Instructions

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Total Postage & Fees	\$ 554	

Sent To **Mass Historical Comm.**
 Street, Apt. No.; or PO Box No. **220 Morrissey Blvd**
 City, State, ZIP+4 **Boston, MA 02125**


PS Form 3800, August 2006 See Reverse for Instructions

2890 9650 0000 2810 0000 7006 2810 0000 8596 0662

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 554	

Sent To **Chas. & Elaine Belyea**
 Street, Apt. No.; or PO Box No. **18505 Wilder Court**
 City, State, ZIP+4 **Clifton, VA 20124**

PS Form 3800, August 2006 See Reverse for Instructions

December 31, 2009

Commonwealth of Massachusetts
Department of Environmental Protection
Lock Box 4062
Boston, Massachusetts 02211



Re: Chapter 91, Permit
Taylor Marine
Trans. No. X 221428
93 Central Street
Brant Rock
Maintenance Dredging

To whom it may concern:

Enclosed is a check in the amount of \$270.00, made payable to the Commonwealth of Massachusetts for an application for a BRP WW 01b, Chapter 91, Dredging Permit. Also enclosed is Transmittal Form No. X 231428.

Very truly yours,

John W. Taylor, Partner
Old Allie LLC, DBA Taylor Marine
93 Central St. P.O. Box 697
Brant Rock, MA 02020
(781) 837-9617

Enclosures



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

February 4, 2010

Old Allie, LLC d/b/a Taylor Marine
93 Central Street
Marshfield, MA 02020
Attn: John W. Taylor, Partner

Re: PUBLIC NOTICE OF WATERWAYS APPLICATION NO. W10-2920
Green Harbor River, Marshfield (Brant Rock), Plymouth County

Dear Sir or Madam:

The Waterways Regulation Program (WRP) has received the referenced application requesting authorization to perform certain activities in state waterways pursuant to M.G.L. Chapter 91, the Public Waterfront Act and its regulations at 310 CMR 9.0 etc. The WRP has assigned this application filing with the above-referenced Waterways License application number. **IT IS IMPERATIVE THAT YOU REFER TO THIS APPLICATION NUMBER WHENEVER YOU SUBMIT OR REQUEST INFORMATION FOR THIS FILE.** Upon review of this application, the WRP has made a determination that this project is a water-dependent use project.

Attached is the WRP's Public Notice form for this application. The Applicant is required to publish this notice, at his/her expense, in one or more newspapers having circulation in the area affected by the proposed activity. This notice must be published in the local newspaper(s) for at least one day on or before the Notification Date. The required public comment period shall begin on this designated Notification Date. The Applicant is required to submit proof of publication to the WRP by sending a copy of the newspaper notice showing the date of publication or a copy of the newspaper notice and a letter from the newspaper indicating the date the public notice was published.

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

DEP on the World Wide Web: <http://www.mass.gov/dep>

Printed on Recycled Paper

**DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATERWAYS REGULATION PROGRAM**

**Notice of Permit Application Pursuant to M. G. L. Chapter 91
Waterways Permit Application Number W10-2920
Old Allie, LLC**

NOTIFICATION DATE: February 22, 2010

Public notice is hereby given of the waterways application by Old Allie, LLC to perform maintenance dredging with upland disposal at 93 Central Street, in the municipality of Marshfield, in and over flowed tidelands of Green Harbor River. The proposed project has been determined to be water-dependent.

The Department will consider all written comments on this Waterways application received within 15 days subsequent to the "Notification Date". Failure of any aggrieved person or group of ten citizens or more to submit written comments to the Waterways Regulation Program by the Public Comments Deadline will result in the waiver of any right to an adjudicatory hearing in accordance with 310 CMR 9.13(4)(c).

Additional information regarding this application may be obtained by contacting the Waterways Regulation Program at (508) 946-2748. Project plans and documents for this application are on file with the Waterways Regulation Program for public viewing, by appointment only, at the address below.

Written comments must be addressed to: David E. Hill, Environmental Engineer, DEP Waterways Regulation Program, 20 Riverside Drive, Lakeville, MA 02347.

Pursuant to 310 CMR 9.13(1)(a), the Applicant is also required to concurrently provide this notification, along with a copy of the project site plans submitted with the Waterways Permit Application and the appropriate municipal officials, regulatory agencies and abutters to the project for their review and comment (see Notification mailing list attached). The applicant shall send the notice of license or permit application by Certified mail to the attached list and abutters and notify the Department when completed.

Mailing List: Notice of Permit Application pursuant to M. G. L. Chapter 91

**Marshfield Town Hall
Marshfield Planning Board
Marshfield Zoning Board
Marshfield Conservation Commission
Marshfield Harbormaster**

**Coastal Zone Management
251 Causeway Street, Suite 800
Boston, MA 02114**

**Jon Regosin, Ph.D.
Division of Fish & Wildlife and Law Enforcement
Field Headquarters
1 Rabbit Hill Road
Westboro, MA 01581**

**Division of Marine Fisheries
1213 Purchase Street, 3rd Fl.
New Bedford, MA 02740
Attn: Environmental Reviewer**

**Massachusetts Historical Commission
220 Morrissey Blvd., Columbia Point
Boston, MA 02125**

Abutters – For Chapter 91 purposes, an abutter is defined as the owner of land that shares, along the waters edge, a common boundary or corner with a project site, as well as the owner of land that lies within 50' across a waterbody from such site. See 310 CMR 9.02.

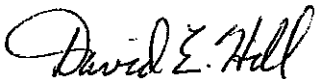
Pursuant to 310CMR 9.13(1)(a), the Applicant is also required to concurrently provide this notification, along with a copy of the project site plans submitted with the Waterways License Application, to the appropriate municipal officials, regulatory agencies and abutters to the project for their review and comment, by Certified mail, (see Notification mailing list attached). For Chapter 91 purposes, an abutter is defined as the owner of land that shares a common boundary or corner with a project site at the water's edge, as well as the owner of land that lies within 50' across a waterbody from such site, see; 310 CMR 9.02. The WRP will publish the Public Notice in The Environmental Monitor, if required.

Lastly, the WRP cannot complete its review of this application until the following information/document(s) checked below have been submitted:

- Proof of publication of the Public Notice
- Receipt of the Municipal Zoning Certification
- Receipt of the Municipal Planning Board Notification Form
- Receipt of a valid Wetlands Order of Conditions or DOA
- Receipt of a valid DEP Water Quality Certification
- Completion of the MEPA review process
- Plans according to the specifications of Appendix A of the Waterways Application.
NOTE: Final Mylar Project Site Plans will be required upon notice from the Department and prior to issuance of the Chapter 91 License.
- Consent letter from abutter(s) for structure less than 25 feet from property line
- Application signed by the Applicant /Owner
- Copies of previously issued Chapter 91 License/Permits for the site.
- Other:

Should you have any questions, please contact me at (508) 946-2730 . Thank you.

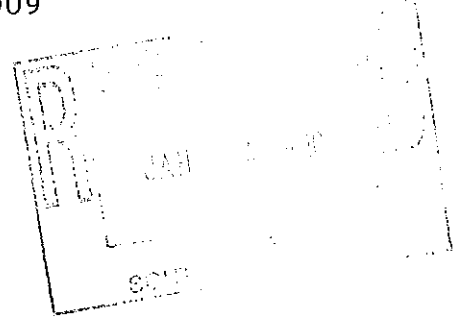
Sincerely,



David E. Hill
Environmental Engineer
Waterways Regulation Program

December 31, 2009

Mr. David Hill
Commonwealth of Massachusetts
DEP, Waterways Section
20 Riverside Drive
Lakeville, Massachusetts 02347



Re: Chapter 91, Waterways
License, 93 Central
Street, Green Harbor
River. Brant Rock
Trans. No. X 231428

Dear Mr. Hill

We are enclosing three (3) copies of the proposed Dredging Permit Plans, three (3) Sheets, and the accompanying Application, including the Dredging Addendum

As you may recall, the Department recently issued License No. 12614, which included authorization for the dredging and ocean disposal of material from a 1.2+/- acre section of the Marina's, 2.8+/- acre Boat Basin. You may also recall, the material from the remaining 1.6+/- acres was not suitable for ocean disposal as determined by the Corps of Engineers, resulting from the chemical analysis.

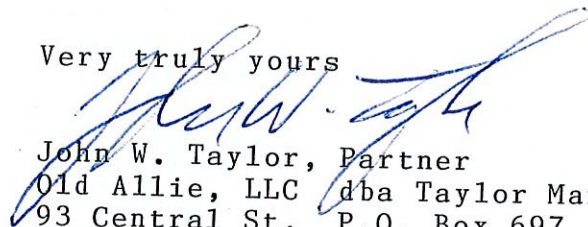
Since the Corps decision, we began pursuing an upland disposal location for the dredging spoils from the remaining 1.6+/- acres. Again, we are proposing to dredge to - 6 MLW and the total volume will be 5,400+/- cy.

We have filed with DEP, for the Water Quality Certificate with the intent of disposing of the material at the Town of Marshfield's Upland Disposal Site, off of Town Pier Road. If this is not successful, we will pursue other upland disposal sites.

We are also enclosing the Grain Size Analysis, a copy of the most recent amendment to the Town's Order of Conditions and a copy of the check accompanying the Trans. No. 231428 Form, in the amount of \$270.00, made payable to the Comm. of Mass. for the proposed maintenance dredging, with upland disposal of the material, for our Marina.

Thank you for your continued assistance.

Very truly yours

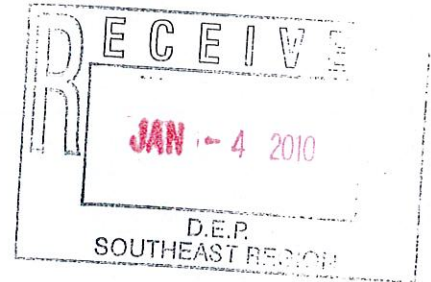


John W. Taylor, Partner
Old Allie, LLC dba Taylor Marine
93 Central St. P.O. Box 697
Brant Rock, MA 02020
(781) 837-9617

Enclosures



ANALYTICAL REPORT



Lab Number:	L0916373
Client:	Norfolk RAM Group 1 Roberts Road Plymouth, MA 02362
ATTN:	Richard Learned
Project Name:	TAYLOR MARINE
Project Number:	1311.1
Report Date:	11/17/09

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: TAYLOR MINE
Project Number: 1311.1

Lab Number: L0916373
Report Date: 11/17/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0916373-01	SB A (2) 0/2'	BRANT ROCK, MA	11/09/09 09:00
L0916373-02	SB B (2) 0/2'	BRANT ROCK, MA	11/09/09 09:30
L0916373-03	SB C (2) 0/3'	BRANT ROCK, MA	11/09/09 10:00
L0916373-04	SB D (2) 0/2'	BRANT ROCK, MA	11/09/09 10:30
L0916373-05	SB E (2) 0/2'	BRANT ROCK, MA	11/09/09 11:00
L0916373-06	SB F (2) 0/3'	BRANT ROCK, MA	11/09/09 11:30

Project Name: TAYLOR RINE
Project Number: 1311.1

Lab Number: L0916373
Report Date: 11/17/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEX data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Title: Technical Director/Representative

Date: 11/17/09

**INORGANICS
&
MISCELLANEOUS**



Project Name: TAYLOR MINE
 Project Number: 1311.1

Lab Number: L0916373
 Report Date: 11/17/09

SAMPLE RESULTS

Lab ID: L0916373-01
 Client ID: SB A (2) 0/2'
 Sample Location: BRANT ROCK, MA
 Matrix: Sediment

Date Collected: 11/09/09 09:00
 Date Received: 11/10/09
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
RIM Grain Size Analysis - Mansfield Lab									
Sieve, #4	99.9		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #10	95.8		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #40	84.8		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #200	72.2		%	0.100	1	-	11/16/09 00:00	12,D422	SE



Project Name: TAYLOR M. E
 Project Number: 1311.1

Lab Number: L0916373
 Report Date: 11/17/09

SAMPLE RESULTS

Lab ID: L0916373-02
 Client ID: SB B (2) 0/2'
 Sample Location: BRANT ROCK, MA
 Matrix: Sediment

Date Collected: 11/09/09 09:30
 Date Received: 11/10/09
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
RIM Grain Size Analysis - Mansfield Lab									
Sieve, #4	89.4		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #10	80.9		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #40	69.8		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #200	53.2		%	0.100	1	-	11/16/09 00:00	12,D422	SE



Project Name: TAYLOR MINE
 Project Number: 1311.1

Lab Number: L0916373
 Report Date: 11/17/09

SAMPLE RESULTS

Lab ID: L0916373-03
 Client ID: SB C (2) 0/3'
 Sample Location: BRANT ROCK, MA
 Matrix: Sediment

Date Collected: 11/09/09 10:00
 Date Received: 11/10/09
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
RIM Grain Size Analysis - Mansfield Lab									
Sieve, #4	99.6		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #10	92.7		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #40	83.6		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #200	59.8		%	0.100	1	-	11/16/09 00:00	12,D422	SE



Project Name: TAYLOR MA E
 Project Number: 1311.1

Lab Number: L0916373
 Report Date: 11/17/09

SAMPLE RESULTS

Lab ID: L0916373-04
 Client ID: SB D (2) 0/2'
 Sample Location: BRANT ROCK, MA
 Matrix: Sediment

Date Collected: 11/09/09 10:30
 Date Received: 11/10/09
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
RIM Grain Size Analysis - Mansfield Lab									
Sieve, #4	93.2		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #10	90.2		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #40	83.1		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #200	62.1		%	0.100	1	-	11/16/09 00:00	12,D422	SE



Project Name: TAYLOR M...
 Project Number: 1311.1

Lab Number: L0916373
 Report Date: 11/17/09

SAMPLE RESULTS

Lab ID: L0916373-05
 Client ID: SB E (2) 0/2'
 Sample Location: BRANT ROCK, MA
 Matrix: Sediment

Date Collected: 11/09/09 11:00
 Date Received: 11/10/09
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
RIM Grain Size Analysis - Mansfield Lab									
Sieve, #4	99.7		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #10	96.9		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #40	92.4		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #200	73.9		%	0.100	1	-	11/16/09 00:00	12,D422	SE



Project Name: TAYLOR MA
 Project Number: 1311.1

Lab Number: L0916373
 Report Date: 11/17/09

SAMPLE RESULTS

Lab ID: L0916373-06
 Client ID: SB F (2) 0/3'
 Sample Location: BRANT ROCK, MA
 Matrix: Sediment

Date Collected: 11/09/09 11:30
 Date Received: 11/10/09
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
RIM Grain Size Analysis - Mansfield Lab									
Sieve, #4	99.2		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #10	96.5		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #40	87.0		%	0.100	1	-	11/16/09 00:00	12,D422	SE
Sieve, #200	50.5		%	0.100	1	-	11/16/09 00:00	12,D422	SE



11170917:52


Lab Duplicate Analysis Batch Quality Control

Project Name: TAYLOR MARINE
Project Number: 1311.1

Lab Number: L0916373
Report Date: 11/17/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
RIM Grain Size Analysis - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: W/G389194-1 QC Sample: L0916373-01 Client ID: SB A (2) 0/2'						
Sieve, #4	99.9	98.7	%	1		25
Sieve, #10	95.8	96.7	%	1		25
Sieve, #40	84.8	89.1	%	5		25
Sieve, #200	72.2	77.0	%	6		25



Project Name: TAYLOR M  NE
 Project Number: 1311.1

Lab Number: L0916373
 Report Date: 11/17/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler Custody Seal
 A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L0916373-01A	Bag	A	N/A	6	Y	Absent	A2-RIM-SIEVE_#200(7),A2-RIM-SIEVE_#4(7),A2-RIM-SIEVE_#40(7),A2-RIM-SIEVE_#10(7)
L0916373-02A	Bag	A	N/A	6	Y	Absent	A2-RIM-SIEVE_#200(7),A2-RIM-SIEVE_#4(7),A2-RIM-SIEVE_#40(7),A2-RIM-SIEVE_#10(7)
L0916373-03A	Bag	A	N/A	6	Y	Absent	A2-RIM-SIEVE_#200(7),A2-RIM-SIEVE_#4(7),A2-RIM-SIEVE_#40(7),A2-RIM-SIEVE_#10(7)
L0916373-04A	Bag	A	N/A	6	Y	Absent	A2-RIM-SIEVE_#200(7),A2-RIM-SIEVE_#4(7),A2-RIM-SIEVE_#40(7),A2-RIM-SIEVE_#10(7)
L0916373-05A	Bag	A	N/A	6	Y	Absent	A2-RIM-SIEVE_#200(7),A2-RIM-SIEVE_#4(7),A2-RIM-SIEVE_#40(7),A2-RIM-SIEVE_#10(7)
L0916373-06A	Bag	A	N/A	6	Y	Absent	A2-RIM-SIEVE_#200(7),A2-RIM-SIEVE_#4(7),A2-RIM-SIEVE_#40(7),A2-RIM-SIEVE_#10(7)

Project Name: TAYLOR LINE
 Project Number: 1311.1

Lab Number: L0916373
 Report Date: 11/17/09

GLOSSARY

Acronyms

- EPA - Environmental Protection Agency.
- LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
- MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD - Matrix Spike Sample Duplicate: Refer to MS.
- NA - Not Applicable.
- NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- ND - Not detected at the reported detection limit for the sample.
- NI - Not Ignitable.
- RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A - Spectra identified as "Aldol Condensation Product".
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)
- R - Analytical results are from sample re-analysis.
- RE - Analytical results are from sample re-extraction.
- J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report



Project Name: TAYLOR MINE
Project Number: 1311.1

Lab Number: L0916373
Report Date: 11/17/09

REFERENCES

- 12 Annual Book of ASTM Standards. American Society for Testing and Materials.

LIMITATION OF LIABILITIES

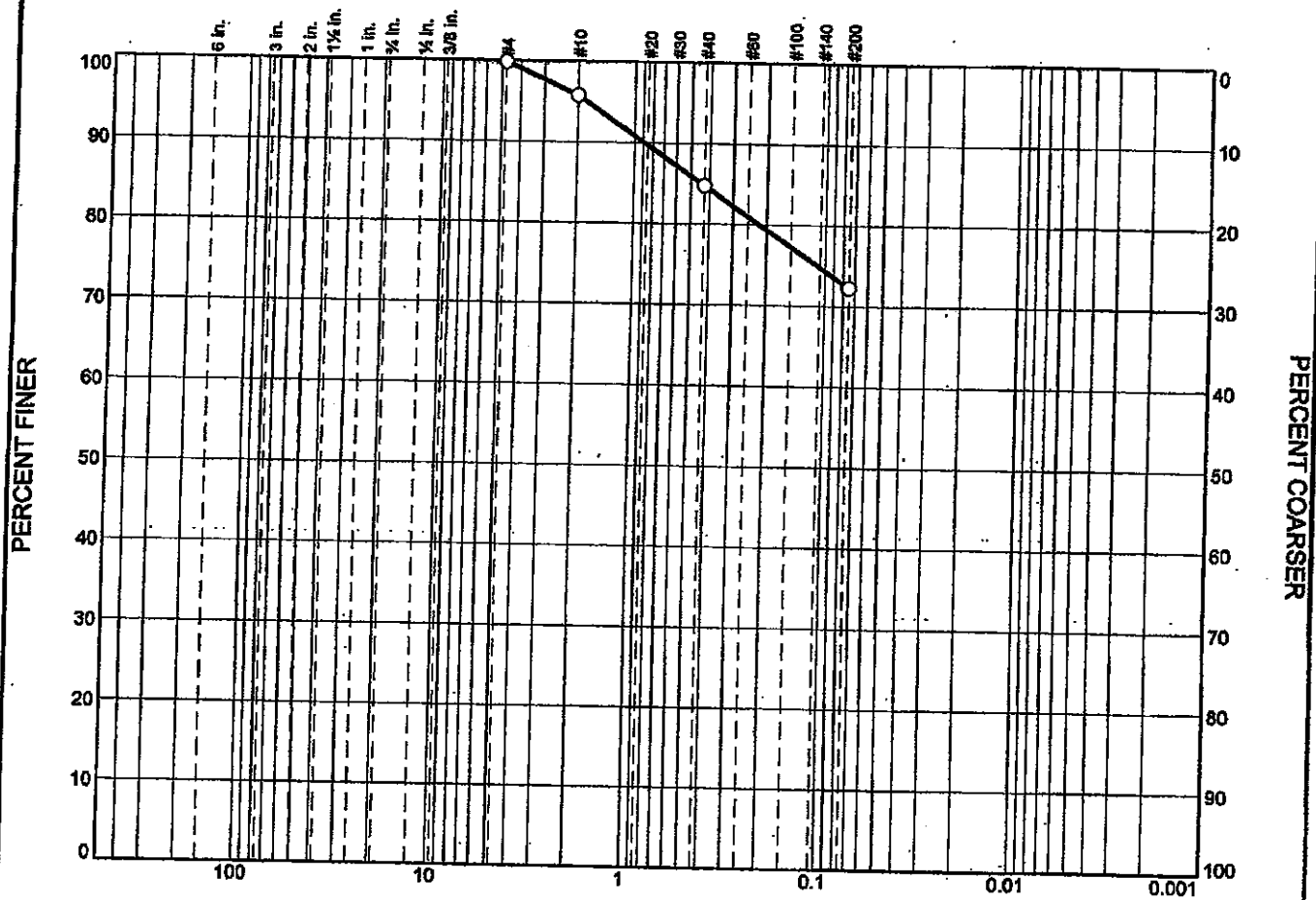
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



ASTM 422D
Bulk Sediment Grain Size

Particle Size Distribution Report



GRAIN SIZE - mm.

%	% Gravel		% Sand			% Fines				
	Cobbles	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay		
○				4.1	11.0	12.6	72.2			
×	LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○			0.4391							

Material Description	USCS	AASHTO
○		

Project No. L0916373 **Client:** Norfolk RAM Group
Project: Taylor Marine

Source of Sample: SBA(2) 0/2 **Sample Number:** L0916373-01

Alpha Analytical
Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

11/17/2009

Client: Norfolk RAM Group
 Project: Taylor Marine
 Project Number: L0916373
 Location: SBA(2) 0/2
 Sample Number: L0916373-01
 Sieve opening list: BS Bulk Sieve

Sieve Test Data

Post #200 Wash Test Weights (grams): Dry Sample and Tare = 41.18
 Tare Wt = 4.61
 Minus #200 from wash = 68.3%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
119.92	4.51	#4	521.85	521.70	99.9	0.1
		#10	489.40	484.70	95.8	4.2
		#40	372.64	359.91	84.8	15.2
		#200	359.60	345.15	72.2	27.8

Fractional Components

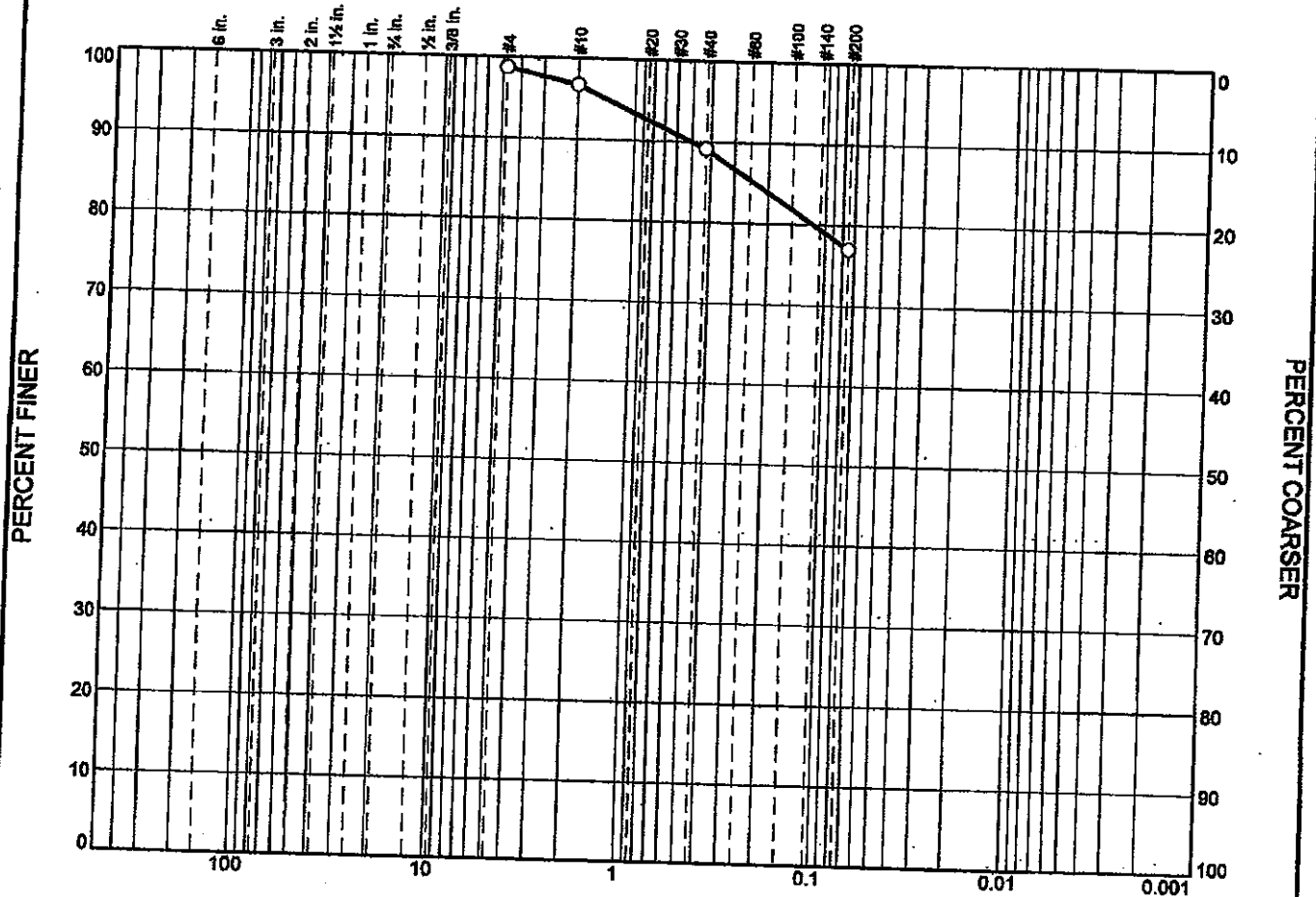
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
				4.1	11.0	12.6	27.7			72.2

D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
						0.2196	0.4391	0.8861	1.7881

Fineness Modulus
0.65

Alpha Analytical

Particle Size Distribution Report



GRAIN SIZE - mm.										
% Cobbles	% Gravel		% Sand			% Fines		Silt	Clay	
	Coarse	Fine	Coarse	Medium	Fine					
			2.0	7.6	12.1	77.0				
<input checked="" type="checkbox"/>	LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
			0.2357							

Material Description							USCS	AASHTO

Project No. L0916373 **Client:** Norfolk RAM Group
Project: Taylor Marine
Source of Sample: SBA(2) 0/2 **Sample Number:** WG389194-1
Alpha Analytical
Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

11/17/2009

Client: Norfolk RAM Group
 Project: Taylor Marine
 Project Number: L0916373
 Location: SBA(2) 0/2
 Sample Number: WG389194-1
 Sieve opening list: BS Bulk Sieve

Sieve Test Data

Post #200 Wash Test Weights (grams): Dry Sample and Tare = 37.29
 Tare Wt. = 4.63
 Minus #200 from wash = 73.0%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
125.58	4.55	#4	522.31	520.77	98.7	1.3
		#10	484.40	481.98	96.7	3.3
		#40	386.99	377.77	89.1	10.9
		#200	361.13	346.49	77.0	23.0

Fractional Components

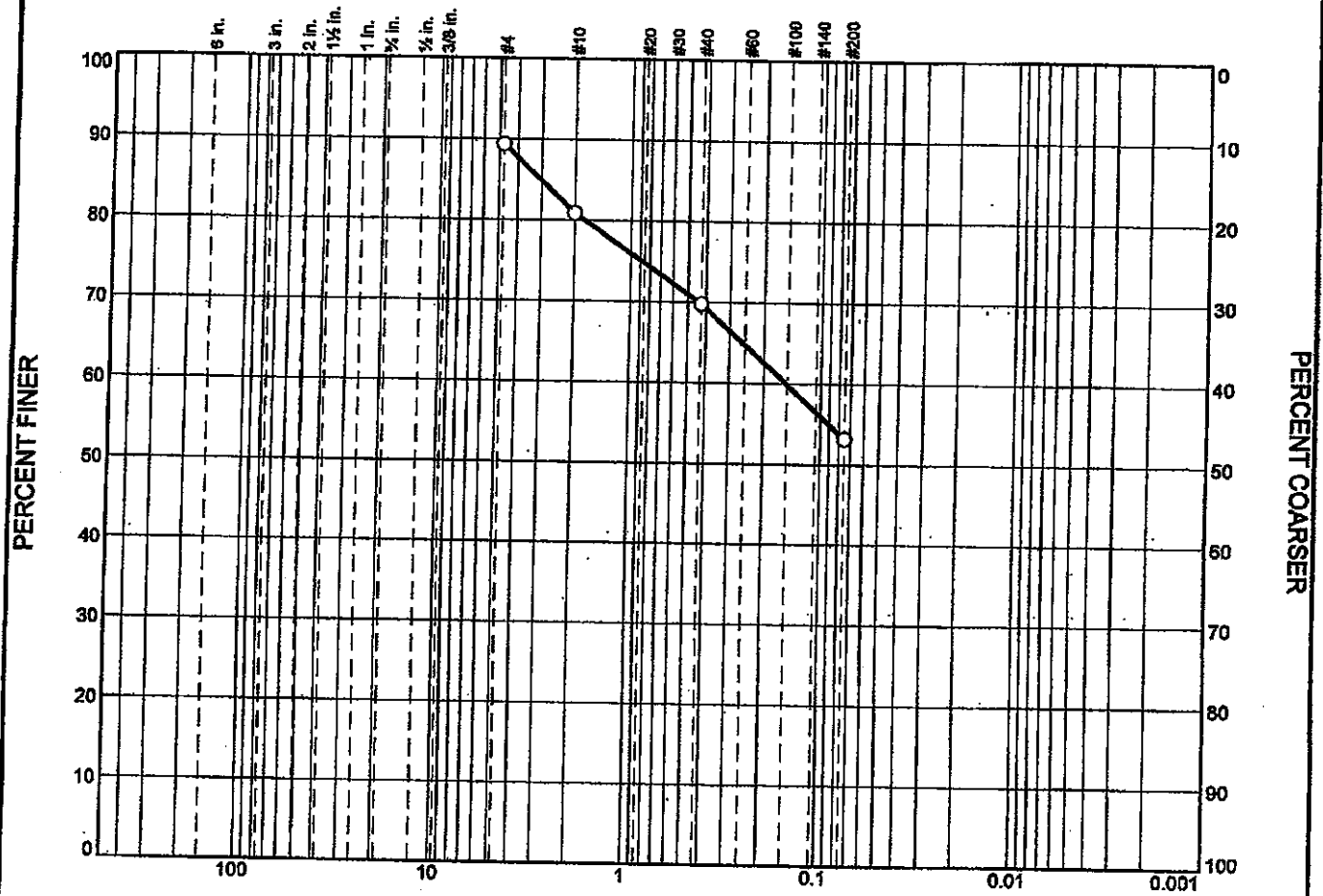
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
				2.0	7.6	12.1	21.7			77.0

D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
						0.1151	0.2357	0.5093	1.4075

Fineness Modulus
0.51

Alpha Analytical

Particle Size Distribution Report



GRAIN SIZE - mm.									
% Cobbles	% Gravel		% Sand			% Fines		C _c	C _u
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay		
<input type="radio"/>			8.5	11.1	16.6	53.2			
<input checked="" type="checkbox"/>	LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	
<input type="radio"/>			3.0409	0.1531					

Material Description						USCS	AASHTO
<input type="radio"/>							

Project No. L0916373 Client: Norfolk RAM Group
 Project: Taylor Marine
 Source of Sample: SBB(2) 0/2 Sample Number: L0916373-02

Remarks:

Alpha Analytical
 Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

11/17/2009

Client: Norfolk RAM Group
 Project: Taylor Marine
 Project Number: L0916373
 Location: SBB(2) 0/2
 Sample Number: L0916373-02
 Sieve opening list: BS Bulk Sieve

Sieve Test Data

Post #200 Wash Test Weights (grams): Dry Sample and Tare = 83.72
 Tare Wt. = 4.71
 Minus #200 from wash = 49.3%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
160.45	4.61	#4	538.27	521.70	89.4	10.6
		#10	497.90	484.70	80.9	19.1
		#40	377.20	359.90	69.8	30.2
		#200	371.09	345.15	53.2	46.8

Fractional Components

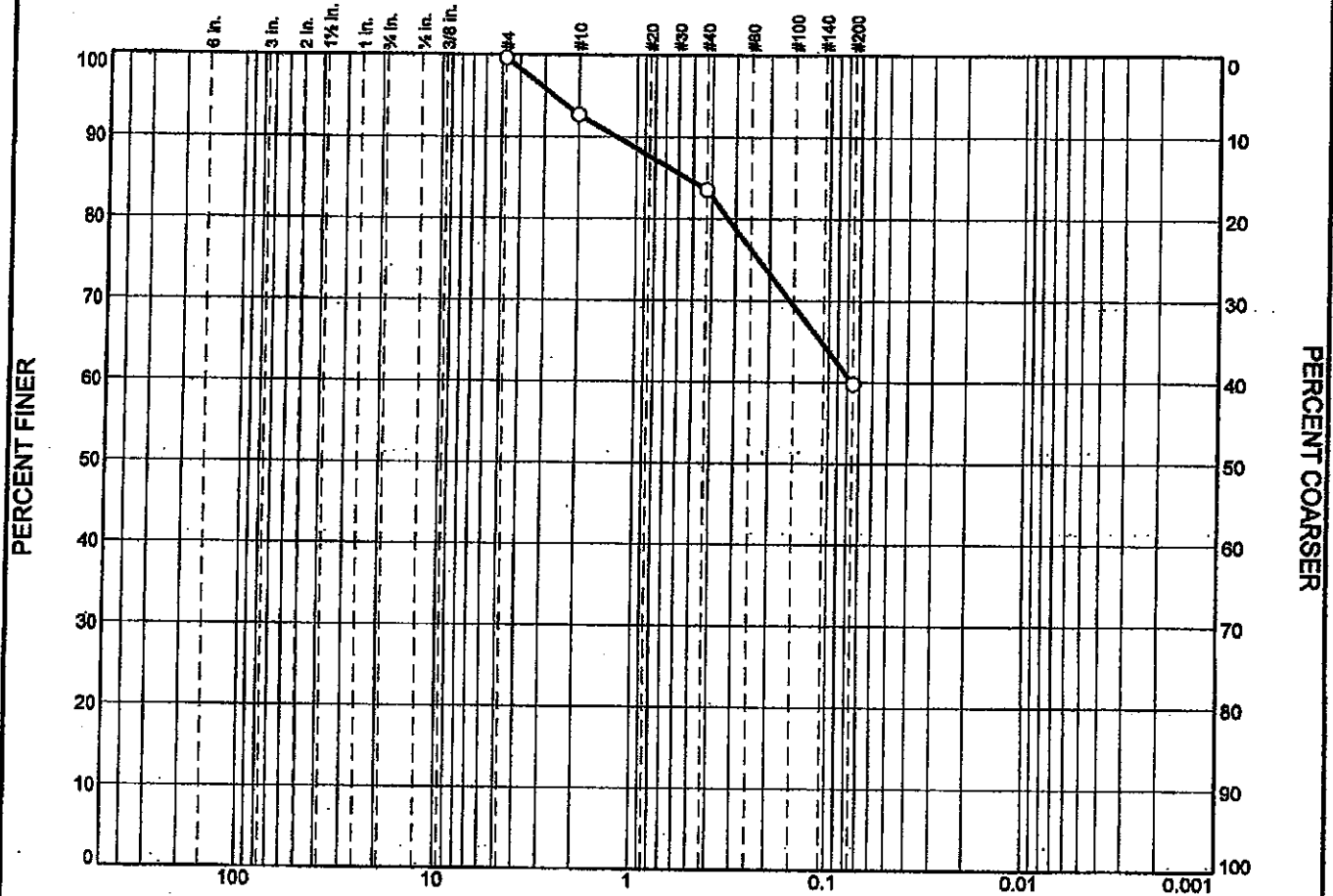
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
				8.5	11.1	16.6	36.2			53.2

D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
					0.1531	1.7647	3.0409		

Fineness Modulus
1.52

Alpha Analytical

Particle Size Distribution Report



GRAIN SIZE - mm.

% Cobbles	% Gravel		% Sand			% Fines				
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay			
0			6.9	9.1	23.8	59.8				
X	LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
0			0.5434	0.0762						

Material Description		USCS	AASHTO
0			

Project No. L0916373 Client: Norfolk RAM Group
 Project: Taylor Marine
 Source of Sample: SBC(2) 0/3 Sample Number: L0916373-03

Remarks:

Alpha Analytical
 Mansfield, MA

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

11/17/2009

Client: Norfolk RAM Group
 Project: Taylor Marine
 Project Number: L0916373
 Location: SBC(2) 0/3
 Sample Number: L0916373-03
 Sieve opening list: BS Bulk Sieve

Sieve Test Data

Post #200 Wash Test Weights (grams): Dry Sample and Tare = 64.38
 Tare Wt. = 4.59
 Minus #200 from wash = 57.2%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
144.26	4.49	#4	521.35	520.77	99.6	0.4
		#10	491.63	481.98	92.7	7.3
		#40	390.53	377.77	83.6	16.4
		#200	379.70	346.49	59.8	40.2

Fractional Components

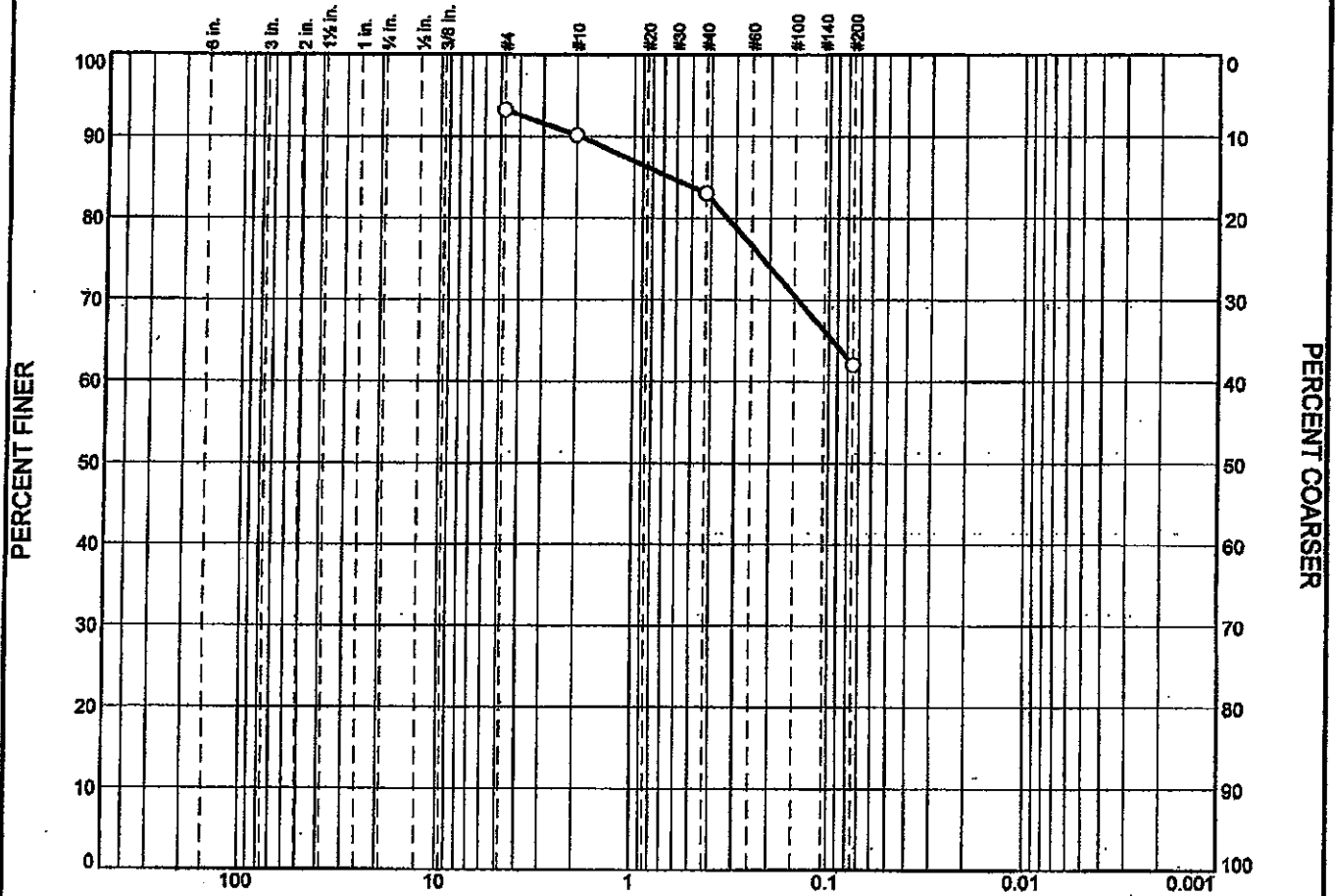
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
				6.9	9.1	23.8	39.8			59.8

D10	D15	D20	D30	D50	D60	D80	D85	D90	D95
					0.0762	0.3279	0.5434	1.2691	2.6743

Fineness Modulus
0.83

Alpha Analytical

Particle Size Distribution Report



GRAIN SIZE - mm.

% Cobbles	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0			3.0	7.1	21.0	62.1	

LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
0		0.6500							

Material Description	USCS	AASHTO
0		

Project No. L0916373 **Client:** Norfolk RAM Group
Project: Taylor Marine

Source of Sample: SBD(2) 0/2 **Sample Number:** L0916373-04

Alpha Analytical
Mansfield, MA

Remarks:

Figure

GRAIN SIZE DISTRIBUTION TEST DATA

11/17/2009

Client: Norfolk RAM Group
 Project: Taylor Marine
 Project Number: L0916373
 Location: SBD(2) 0/2
 Sample Number: L0916373-04
 Sieve opening list: BS Bulk Sieve

Sieve Test Data

Post #200 Wash Test Weights (grams): Dry Sample and Tare = 82.98
 Tare Wt. = 4.68
 Minus #200 from wash = 56.9%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
186.08	4.52	#4	534.01	521.70	93.2	6.8
		#10	490.27	484.70	90.2	9.8
		#40	372.79	359.90	83.1	16.9
		#200	383.23	345.15	62.1	37.9

Fractional Components

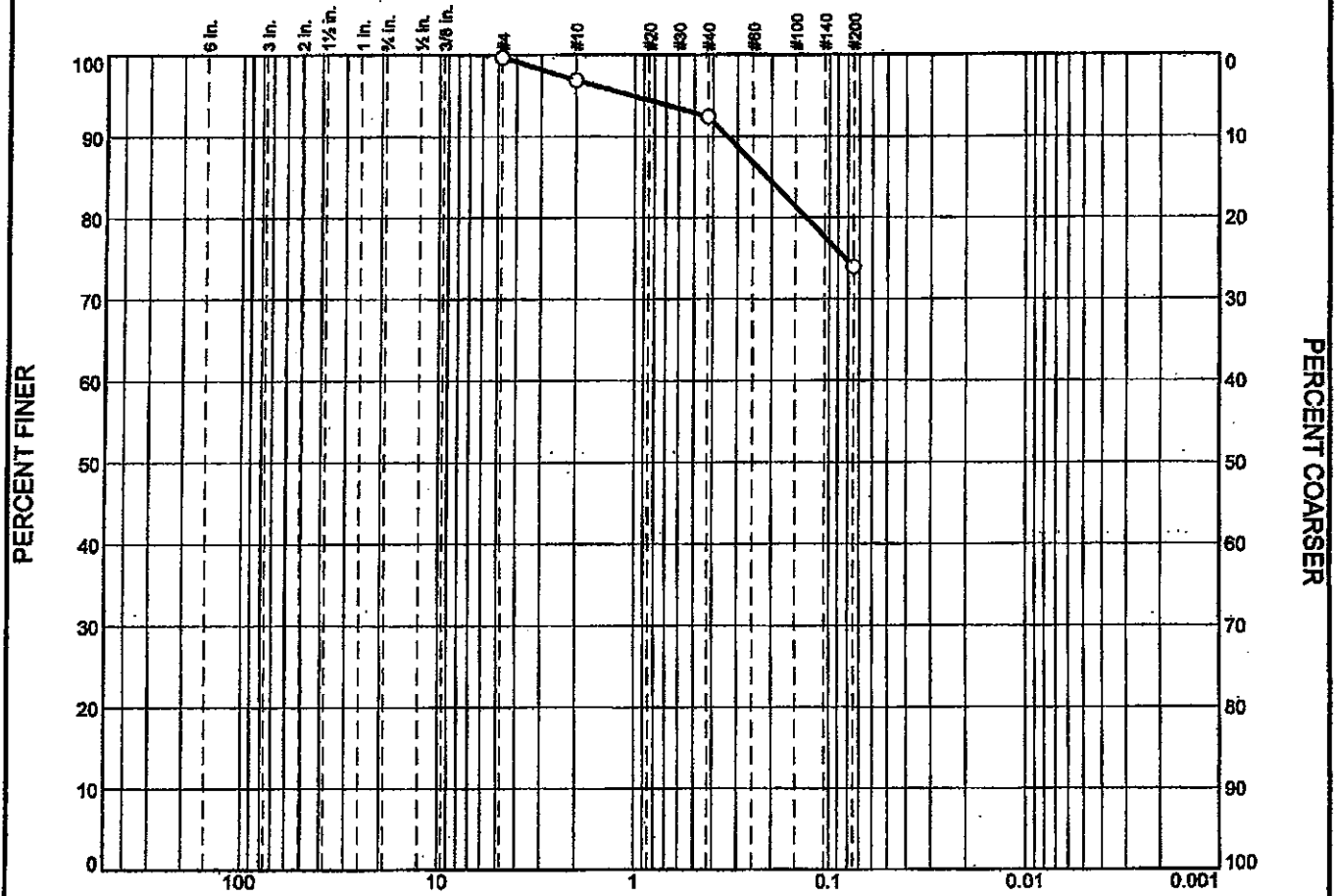
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
				3.0	7.1	21.0	31.1			62.1

D10	D15	D20	D30	D50	D60	D80	D85	D90	D95
						0.3302	0.6500	1.9348	

Fineness Modulus
0.94

Alpha Analytical

Particle Size Distribution Report



GRAIN SIZE - mm.

%	Cobbles	% Gravel		% Sand			% Fines			
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay		
○				2.8	4.5	18.5	73.9			
X	LL	PL	D ₈₅	D ₆₀	D ₅₀	D ₃₀	D ₁₅	D ₁₀	C _c	C _u
○			0.2118							

Material Description	USCS	AASHTO
○		

<p>Project No. L0916373 Client: Norfolk RAM Group</p> <p>Project: Taylor Marine</p> <p>○ Source of Sample: SBE(2) 0/2 Sample Number: L0916373-05</p>	<p>Remarks:</p>
<p>Alpha Analytical</p> <p>Mansfield, MA</p>	<p>Figure</p>

GRAIN SIZE DISTRIBUTION TEST DATA

11/17/2009

Client: Norfolk RAM Group
 Project: Taylor Marine
 Project Number: L0916373
 Location: SBE(2) 0/2
 Sample Number: L0916373-05
 Sieve opening list: BS Bulk Sieve

Sieve Test Data

Post #200 Wash Test Weights (grams): Dry Sample and Tare = 47.46
 Tare Wt. = 4.65
 Minus #200 from wash = 69.6%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
145.30	4.51	#4	521.21	520.77	99.7	0.3
		#10	485.94	481.98	96.9	3.1
		#40	384.04	377.77	92.4	7.6
		#200	372.52	346.49	73.9	26.1

Fractional Components

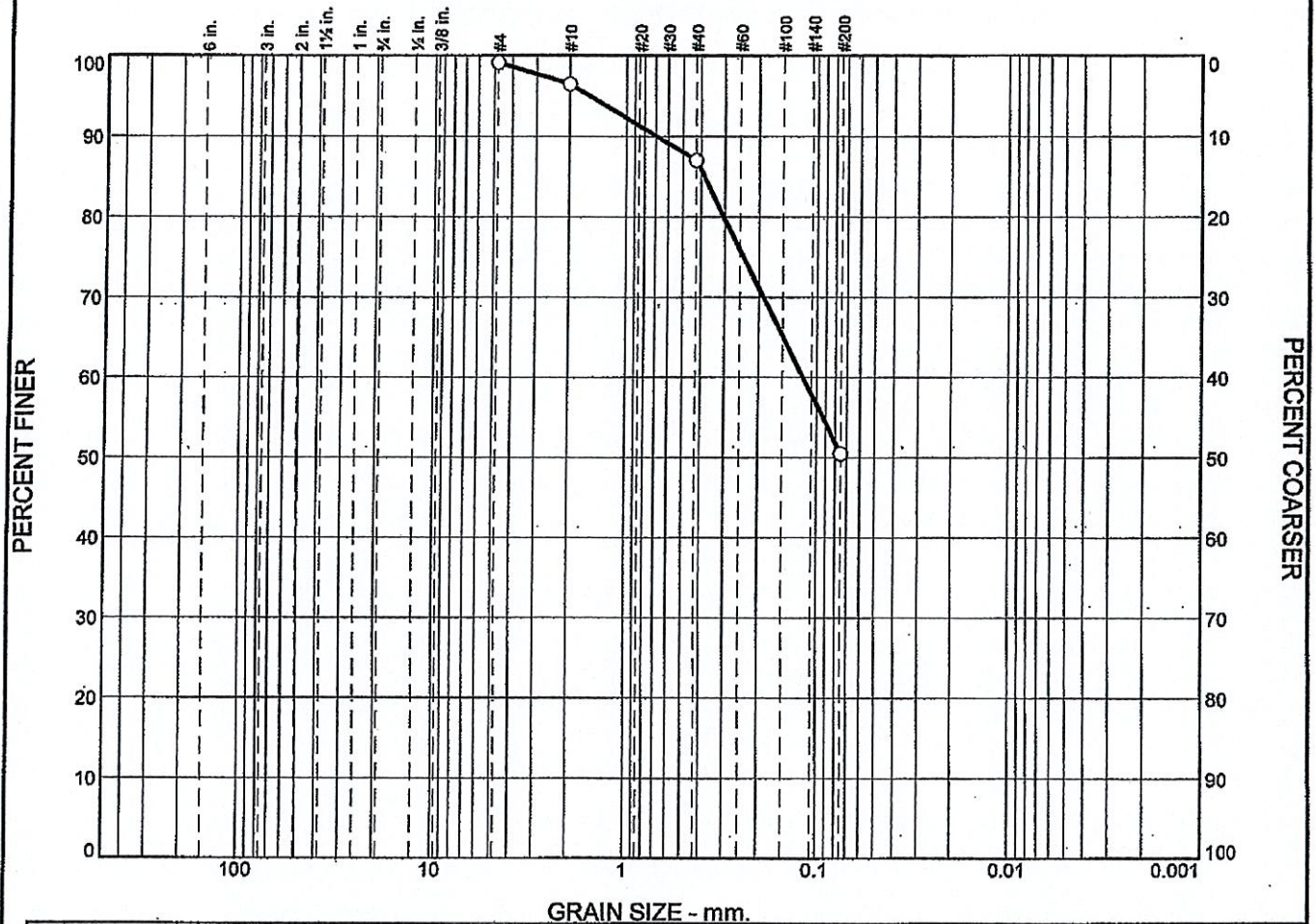
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
				2.8	4.5	18.5	25.8			73.9

D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
						0.1325	0.2118	0.3386	1.0420

Fineness Modulus
0.44

Alpha Analytical

Particle Size Distribution Report



GRAIN SIZE - mm.										
% Cobbles	% Gravel		% Sand			% Fines		Silt	Clay	
	Coarse	Fine	Coarse	Medium	Fine					
○			2.7	9.5	36.5		50.5			
×	LL	PL	D85	D60	D50	D30	D15	D10	Cc	Cu
○			0.3859	0.1178						

Material Description	USCS	AASHTO
○		

<p>Project No. L0916373 Client: Norfolk RAM Group</p> <p>Project: Taylor Marine</p> <p>○ Source of Sample: SBF(2) 0/3 Sample Number: L0916373-06</p>	<p>Remarks:</p>
<p>Alpha Analytical</p> <p>Mansfield, MA</p>	<p>Figure</p>

GRAIN SIZE DISTRIBUTION TEST DATA

11/17/2009

Client: Norfolk RAM Group
 Project: Taylor Marine
 Project Number: L0916373
 Location: SBF(2) 0/3
 Sample Number: L0916373-06
 Sieve opening list: BS Bulk Sieve

Sieve Test Data

Post #200 Wash Test Weights (grams): Dry Sample and Tare = 120.96
 Tare Wt = 4.82
 Minus #200 from wash = 40.9%

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
201.09	4.58	#4	523.37	521.70	99.2	0.8
		#10	489.92	484.70	96.5	3.5
		#40	378.49	359.90	87.0	13.0
		#200	416.99	345.15	50.5	49.5

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
				2.7	9.5	36.5	48.7			50.5

D ₁₀	D ₁₅	D ₂₀	D ₃₀	D ₅₀	D ₆₀	D ₈₀	D ₈₅	D ₉₀	D ₉₅
					0.1178	0.3044	0.3859	0.6907	1.5661

Fineness Modulus
0.77

Alpha Analytical



Table II-1: Completeness Checklist

QC Summary Tables
US Army Corps of Engineers

Quality Assurance/Quality Control Questions	Yes/No? Comments?
1. Was the report signed by the responsible applicant approved representative?	YES
2. Were the methods for sampling, chemical and biological testing described in the Sampling and Analysis Plan (SAP) and the Laboratory QA Plan (LOAP) followed?	YES
3. If not, were deviations documented?	N/A
4. Was the SAP approved by the New England District?	YES
5. Did the applicant use a laboratory with a LOAP on file at the New England District?	YES
6. Did the samples adequately represent the physical/chemical variability in the dredging area?	
7. Were the correct stations sampled (include the precision of the navigation method used)?	
8. Were the preservation and storage requirements in Chapter 8 of the EPA/Corps QA/QC Manual (EPA/USACE 1995) and EPA (2001d) followed?	YES
9. Were the samples properly labeled?	YES
10. Were all the requested data included?	YES
11. Were the reporting limits met?	YES
12. Were the chain-of-custody forms properly processed?	YES
13. Were the method blanks run and were the concentration below the acceptance criteria?	YES
14. Was the MDL study performed on each matrix (with this data submission) or within the last 12 months?	N/A
15. Were the SRM/CRM analyses within acceptance criteria?	N/A
16. Were the matrix spike/matrix spike duplicates run at the required frequency and was the percent recovery/RPD within the acceptance criteria?	N/A
17. Were the duplicate samples analyzed and were the RPDs within the required acceptance criteria?	YES
18. For each analytical fraction of organic compounds, were recoveries for the internal standard within the acceptance criteria?	N/A

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QC Summary Tables
US Army Corps of Engineers

19. Were surrogate recoveries within the required acceptance criteria?	N/A
--	-----

Table II-1 (Continued): Completeness Checklist

Quality Assurance/Quality Control Questions	Yes/No? Comments?
20. Were corrective action forms provided for all non-conforming data?	
21. Were all the species-specific test conditions in Appendix V met?	
22. Were the test-specific age requirements met for each test species?	
23. Was the bulk physical/chemical testing performed on the sediments/composites that were biologically tested?	
24. Were the mortality acceptance criteria met for the water column and sediment toxicity tests?	
25. Were the test performance requirements in Table 11.3 of EPA (1994a) met?	

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Table II-2: Quality Control Summary for Analyses of Polycyclic Aromatic Hydrocarbons (PAHs) and other base-neutrals in Sediment and Tissue Matrices

*QC Summary Tables
US Army Corps of Engineers*

Method Reference Number: 8270C

Quality Control (QC) Element	Acceptance Criteria*	Criteria Met? Yes/No	List results outside criteria (Cross-reference results table in data report)	Location of Results (Retained at Lab or in Data Package)
Initial Calibration	Must be performed prior to the analysis of any QC sample or field sample (<20 % RSD for each compound)			Retained at Lab
Calculation of Method Detection Limits (MDLs)	For each matrix, analyzed once per 12 month period (see Section 5.2 for MDL procedure)			Retained at Lab and On file at USACE-NED
Calibration Verification (Second Source)	Once, after initial calibration (80 to 120% recovery of each compound)			Retained at Lab
Continuing Calibration	At the beginning of every 12 hour shift ($\pm 15\% D$)			Retained at Lab
Standard Reference Materials	Within the limits provided by vendor			In Data Package
Method Blank	No target analytes > RL			In Data Package
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	One set (MS/MSD) per group of field samples. Must contain all target analytes. (Recovery Limits 50 to 120%; RPD <30%)			In Data Package
Analytical Replicates	Analyze one sample in duplicate for each group of field samples (RPD <30%)			In Data Package
Surrogate Recoveries	Calculate % recovery (30 to 150% recovery)			In Data Package
Internal Standard Areas	Within 50 to 200% of internal standards in continuing calibration check			Retained at Lab

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QC Summary Tables
US Army Corps of Engineers
* The Quality Control Acceptance Criteria are general guidelines. If alternate criteria are used, they must be documented in this table.

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Table II-3: Quality Control Summary for the Analyses of Pesticides in Sediment, Tissue, and Water Matrices
QC Summary Tables
US Army Corps of Engineers

Method Reference Number: 8081B

Quality Control (QC) Element	Acceptance Criteria*	Criteria Met? Yes/No	List results outside criteria (Cross-reference results table in data report)	Location of Results (Retained at Lab or in Data Package)
Initial Calibration	Must be performed prior to the analysis of any QC sample or field sample (<20 % RSD for each compound)			Retained at Lab
Calculation of Method Detection Limits (MDLs)	For each matrix, analyzed once per 12 month period (see Section 5.2 for MDL procedure)			Retained at Lab and On file at USACoE-NED
Calibration Verification (Second Source)	Once, after initial calibration (80 to 120% recovery of each compound)			Retained at Lab
Continuing Calibration	Every 20 injections ($\pm 15\% D$)			Retained at Lab
Standard Reference Materials	Within the limits provided by vendor			In Data Package
Method Blank	No target analytes > RL			In Data Package
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	One set (MS/MSD) per group of field samples. Must contain all target analytes. (Recovery Limits 50 to 120%; RPD <30%)			In Data Package
Analytical Replicates	Analyze one sample in duplicate for each group of field samples (RPD <30%)			In Data Package
Surrogate Recoveries	Calculate % recovery (30 to 150% recovery)			In Data Package

* The Quality Control Acceptance Criteria are general guidelines. If alternate criteria are used, they must be documented in this table.

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Table II-4: Quality Control Summary for Analyses of Polychlorinated Biphenyls (PCB Congeners) in Sediment, Tissue, and Water Matrices

*QC Summary Tables
US Army Corps of Engineers*

Method Reference Number: 8270C

Quality Control (QC) Element	Acceptance Criteria*	Criteria Met? Yes/No	List results outside criteria (Cross-reference results table in data report)	Location of Results (Retained at Lab or in Data Package)
Initial Calibration	Must be performed prior to the analysis of any QC sample or field sample (<20 % RSD for each compound)			Retained at Lab
Calculation of Method Detection Limits (MDLs)	For each matrix, analyzed once per 12 month period (see Section 5.2 for MDL procedure)			Retained at Lab and On file at USACoE-NED
Calibration Verification (Second Source)	Once, after initial calibration (80 to 120% recovery of each compound)			Retained at Lab
Continuing Calibration	Every 20 injections (± 15 % D)			Retained at Lab
Standard Reference Materials	Within the limits provided by vendor			In Data Package
Method Blank	No target analytes > RL			In Data Package
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	One set (MS/MSD) per group of field samples. Must contain all target analytes. (Recovery Limits 50 to 120%; RPD <30%)			In Data Package
Analytical Replicates	Analyze one sample in duplicate for each group of field samples (RPD < 30%)			In Data Package
Surrogate Recoveries	Calculate % recovery (30 to 150% recovery)			In Data Package

* The Quality Control Acceptance Criteria are general guidelines. If alternate criteria are used, they must be documented in this table.

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QC Summary Tables
US Army Corps of Engineers

Table II-5: Quality Control Summary for Analyses of Metals in Sediments, Tissue, and Water Matrices

Method Reference Numbers: Various Reference Numbers

Quality Control (QC) Element	Acceptance Criteria*	Criteria Met? Yes/No	List results outside criteria (Cross-reference results table in data report)	Location of Results (Retained at Lab or in Data Package)
Linear Range Determination for ICP	Performed Quarterly			Retained at Lab
Initial Calibration for AA, Hg	Performed Daily (Correlation Coefficient ≥ 0.995)			Retained at Lab
Calculation of Method Detection Limits (MDLs)	For each matrix, analyzed once per 12 month period (see Section 5.2 for MDL procedure)			Retained at Lab and On file at USACoE-NED
Initial Calibration Verification/ Continuing Calibration Verification	Hg: 80 to 120% recovery Other metals: 90 to 110% recovery			Retained at Lab
Initial Calibration Blank/ Continuing Calibration Blank	No target analytes > Instrument Detection Limit (IDL)		Results >3x IDL noted, on file at lab	Retained at Lab
Standard Reference Materials	Within the limits provided by vendor			In Data Package
Method Blank	No target analytes > RL			In Data Package
Sample Spike/ Sample Duplicate	One set per group of field samples. Must contain all target analytes. Recovery Limits (75 to 125%; RPD < 20% or < 35%)			In Data Package
Analytical Replicates	Analyze one sample in duplicate for each group of field samples (RPD < 30%)			In Data Package

* The Quality Control Acceptance Criteria are general guidelines. If alternate criteria are used, they must be documented in this table.

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*QC Summary Tables
US Army Corps of Engineers*

Table II-6: Quality Control Summary for Analyses of other Organic Chemicals not listed in Sediment, Tissue, and Water Matrices

Method Reference Numbers:

Quality Control (QC) Element	Acceptance Criteria*	Criteria Met? Yes/No	List results outside criteria (Cross-reference results table in data report)	Location of Results (Retained at Lab or in Data Package)
Initial Calibration	Must be performed prior to the analysis of any QC sample or field sample (<20 % RSD for each compound)			Retained at Lab
Calculation of Method Detection Limits (MDLs)	For each matrix, analyzed once per 12 month period (see Section 5.2 for MDL procedure)			In Data Package
Calibration Verification (Second Source)	Once, after initial calibration (80 to 120% recovery of each compound)			Retained at Lab
Continuing Calibration	At the beginning of every 12 hour shift ($\pm 15\% D$)			Retained at Lab
Standard Reference Materials	Within the limits provided by vendor			In Data Package
Method Blank	No target analytes > RL			In Data Package
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	One set (MS/MSD) per group of field samples. Must contain all target analytes. (Recovery Limits 50 to 120%; RPD <30%)			In Data Package
Analytical Replicates	Analyze one sample in duplicate for each group of field samples (RPD <30%)			In Data Package
Surrogate Recoveries	Calculate % recovery (30 to 150% recovery)			In Data Package
Internal Standard Areas (if applicable)	Within 50 to 200% of internal standards in continuing calibration check			In Data Package

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QC Summary Tables
US Army Corps of Engineers

Table II-7: Quality Control Summary for Analyses of Sediment Grain Size and Total Organic Carbon
 Method Reference Numbers:

Quality Control (QC) Element	Acceptance Criteria*	Criteria Met? Yes/No	List results outside criteria (Cross-reference results table in data report)	Location of Results (Retained at Lab or in Data Package)
Grain Size: Analytical Replicates	Analyze one sample in duplicate for each group of field samples (RPD < 25%)	YES		In Data Package
Total Organic Carbon: Standard Reference Materials	Within the limits provided by vendor	N/A		In Data Package
Total Organic Carbon: Analytical Replicates	Analyze one sample in duplicate for each group of field samples (RPD < 30%)	N/A		In Data Package

* The Quality Control Acceptance Criteria are general guidelines. If alternate criteria are used, they must be documented in this table.

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Table II-8: Quality Control Summary for Biological Toxicity Testing only

Method Reference Numbers:

Quality Control (QC) Element	Acceptance Criteria*	Criteria Met? Yes/No	List results outside criteria (Cross-reference results table in data report)	Location of Results (Retained at Lab or in Data Package)
Test condition requirements for each species: Temperature, Salinity, pH, D.O., Ammonia (Total, Un-ionized)	Test conditions within the requirements specified for each species			In Data Package
Test species age	Age/health within guidelines for each species (Appendix V)			In Data Package
Bulk physical/chemical analyses (if required by the Sampling plan)	Required? If so, performed? Yes or No			In Data Package
Water column toxicity test:				In Data Package
Control mortality	< 10% mean < 30% mussel/oyster; < 40% clam larvae, < 30% sea urchin larvae			In Data Package
Sediment toxicity test:				In Data Package
Control mortality	< 10% mean (no chamber >20%)			In Data Package
Compliance with applicable test acceptability requirements in Table 11.3 (EPA 1994a)	See EPA (1994a) Section 9; Table 11.3			

* The Quality Control Acceptance Criteria are general guidelines. If alternate criteria are used, they must be documented in this table.

Reference:

Regional Implementation Manual for the Evaluation of Dredged Material Proposed for Disposal in New England Waters, U.S. EPA and U.S. Army Corps of Engineers, New England District, April 2004.

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Certificate/Approval Program Summary

Last revised June 17, 2009 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, 4500NH3-F, EPA 120.1, SM2510B, 2340B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, 420.1, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Maine Department of Human Services Certificate/Lab ID: MA0030.

Wastewater (Inorganic Parameters: EPA 120.1, 300.0, SM 2320, 2510B, 2540C, 2540D, EPA 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-02089. NELAP Accredited.

Non-Potable Water (Organic Parameters: EPA 5030B, EPA 8260)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. NELAP Accredited via LA-DEQ.

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. NELAP Accredited.

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7471. Organic Parameters: EPA 8015, 8270.)

U.S. Army Corps of Engineers

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA
 WESTBORO, MA
 TEL: 508-998-9220
 FAX: 508-998-9193

MANSFIELD, MA
 TEL: 508-422-3300
 FAX: 508-422-3298

Client Information

Client: Norfolk Ram Group
 Address: 1 Roberts Road
 Plymouth, MA 02360
 Phone: 508 247-7900
 Fax: 508 247-3658
 Email: nkelley@norfolkram.com

Project Information

Project Name: Taylor Marine
 Project Location: Great Rock, MA
 Project #: 1311.1
 Project Manager: Rich Learned (ext)

ALPHA Quote #:
 Turn-Around Time:
 Standard RUSH (only confirmed if pre-approved)
 Date Due: Time:

Other Project Specific Requirements/Comments/Detection Limits:
 Run Grain Size and VOC analysis; hold EPH samples and any soil not used in Grain Size analysis until contacted by Norfolk

ALPHA Lab ID (Lab Use Only)

Sample ID

Collection Date Time

Sample Matrix

Sampler's Initials

Sample Specific Comments (Please specify below)

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
1 SB A(a) 0/2'	11/9/09	09:00	B	NK
2 SB B(a) 0/2'		09:30		
3 SB C(a) 0/3'		10:00		
4 SB D(a) 0/2'		10:30		
5 SB E(a) 0/2'		11:00		
6 SB F(a) 0/3'		11:30		

Date Rec'd in Lab:

Report Information - Data Deliverables

- FAX
- ADEX
- EMAIL
- Add'l Deliverables

Billing Information

Same as Client info PO #: 1311.1

Regulatory Requirements/Report Limits

State/Fed Program Criteria

Army Corp/DEP

ANALYSIS
 Grain Size
 VOCs 8260B
 EPH

SAMPLE HANDLING

- Filtration
- Done
- Not needed
- Lab to do Preservation
- Lab to do

Container Type: BAG BY 16
 Preservative: A F A

Relinquished By:

Received By:

Date/Time

[Signature]
 11/09/09 11:05:17 AM

[Signature]
 11/09/09 11:05:17 AM

[Signature]
 11/09/09 11:05:17 AM

[Signature]
 11/09/09 10:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.