



July 23, 2012

Job No.2010-142

ACOE-Regulatory Branch
Attn: Kevin Kotelly
696 Virginia Road
Concord, MA 01742-2751

Via Certified Mail/Return Receipt Requested

RE: ACOE General Permit Application

Proposed 10 Year Comprehensive Permit for Maintenance Dredging & Beach Nourishment
Town of Edgartown
Edgartown & Oak Bluffs, MA

Dear Kevin:

On behalf of our client, the Town of Edgartown, we are submitting an original plus one copy of the ACOE Individual Permit Application for the above referenced project.

Information on this project is also being sent to the Mass. Historical Commission, the Wampanoag Tribe, and the Board of Underwater Archeological Resources (see enclosed cover letters).

Please contact our office if you have any questions or require any additional information.

Thank you for your assistance.

Sincerely,

A handwritten signature in black ink that reads "Tara Marden".

Tara Marden
Coastal Geologist/Project Manager

TPM/beh

Enclosures: as stated

cc: Howell Kelly, Chairman, Edgartown Dredge Advisory Board

Edgartown Dredging and Beach Nourishment Sites





Army Corps of Engineers Individual Permit Application

Proposed 10-Year Comprehensive Permit for Maintenance Dredging & Beach Nourishment for the Town of Edgartown



Prepared For:

Army Corps of Engineers
New England District
Regulatory Branch
696 Virginia Road
Concord, MA 01742-2751

Prepared By:

Woods Hole Group, Inc.
81 Technology Park Drive
East Falmouth, MA 02536

July 2012

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Section A

Army Corps of Engineers Application

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
(33 CFR 325)

OMB APPROVAL NO. 0710-0003
EXPIRES: 31 August 2012

Public reporting burden for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please **DO NOT RETURN** your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
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(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME: First - Howell Middle - Last - Kelly Company - Town of Edgartown E-mail Address - jhkky@cs.com		8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required) First - Tara Middle - Last - Marden Company - Woods Hole Group, Inc. E-mail Address - tmarden@whgrp.com	
6. APPLICANT'S ADDRESS. Address - P.O. Box 3413 City - Edgartown State - MA Zip - 02539 Country -		9. AGENT'S ADDRESS Address - 81 Technology Park Dr. City - E. Falmouth State - MA Zip - 02536 Country -	
7. APPLICANT'S PHONE NOS. W/AREA CODE. a. Residence b. Business c. Fax 508-627-9548		10. AGENT'S PHONE NOS. W/AREA CODE a. Residence b. Business c. Fax 508-397-9689	

STATEMENT OF AUTHORIZATION

11. I hereby authorize, Woods Hole Group to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.


APPLICANT'S SIGNATURE

7/19/12
DATE

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions) Proposed 10-Year Comprehensive Permit for Maintenance Dredging & Beach Nourishment			
13. NAME OF WATERBODY, IF KNOWN (if applicable) Various, see Project Description		14. PROJECT STREET ADDRESS (if applicable) Address N/A City - Edgartown State - MA Zip - 02539	
15. LOCATION OF PROJECT Latitude: °N Longitude: °W			
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID Municipality Section - Township - Range -			
17. DIRECTIONS TO THE SITE Directions to any site can be provided if necessary.			

18. Nature of Activity (Description of project, include all features)

The proposed project is for a 10-year comprehensive permit for maintenance dredging and beach nourishment. See attached Project Description in Appendix B.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

The purpose of the project is to improve navigation for recreational and commercial boating, and access to public boat ramps, landings, mooring fields and shellfish areas. See Project Description.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

The dredge material will be beneficially reused as beach nourishment.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
The 15 dredge sites will yield 124,035 cy of fine to course grain sand.		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres
Or The 21 beach nourishment sites have approximately 1,794,246 sf (41 acres) of disposal area.
Liner Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

Dredging in same footprints as previously authorized.

24. Is Any Portion of the Work Already Complete? Yes ☐ No ☒ IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

Address - See attached in Appendix E.

City - State - Zip -


26. List of Other Certifications or Approvals/Denials Received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
Cons Comm	Order of Conditions	SE 20-1178		9/9/09	
Mass. DEP	Chapter 91 Permit No.	12559		12/14/09	
Mass. DEP	Water Quality Cert. Transmittal No.	X228327		11/4/09	

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

 7/19/12
SIGNATURE OF APPLICANT DATE

 7/19/2012
SIGNATURE OF AGENT DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

Section B

Project Description

B. PROJECT DESCRIPTION

The Town of Edgartown is requesting an interchangeable permit for maintenance dredging and beach nourishment at thirty-six (36) different sites within the Towns of Edgartown and Oak Bluffs. This permit, otherwise known as a “Comprehensive Permit”, is a blanket permit that would allow compatible dredged material from any of the fifteen historic dredge sites to be placed on any one of the twenty-one disposal sites within the Towns of Edgartown and Oak Bluffs. The purpose of the proposed maintenance dredging is to improve navigation for recreational and commercial boating and access to public boat ramps, landings, mooring fields and shellfish areas. Additionally, the material yielded from the maintenance dredging will be beneficially reused to restore badly eroding public and private beaches.

The proposed project includes periodic maintenance dredging of approximately 124,035 cubic yards of sediment, from fifteen (15) previously permitted sites including the following; at: Cape Poge: The Gut, The Narrows, Dike Bridge Approach. Edgartown Harbor: Eel Pond Boat Ramp & Channel, Lighthouse Point, Inner Harbor, Collins Beach, Caleb’s Pond, Katama Bay Boat Ramp & Channel. Edgartown Great Pond: Great Pond Boat Ramp (Wilson’s Landing), Great Pond Delta & Channel, Great Pond Sluiceway Approach, Herring Creek Restoration. Sengekontacket Pond: Inner Channel, Borrow Site 1. The dredge materials will be placed on the beach on any of the twenty one (21) permitted sites including the following; Cape Poge: Cape Poge Elbow, North Gut, Narrows Over Sand Roads, Narrows Nantucket Sound Beach, Dike Bridge Approach Over Sand Roads. Edgartown Harbor: Eel Pond Spit, Lighthouse (Fuller) Beach, Private Properties Sites A-F (6 sites) and Froelich property. Edgartown Great Pond: South Beach, Town beach adjacent to Great Pond Boat Ramp (Wilson’s Landing). Sengekontacket Pond: Sylvia State Beach, Bend in the Road Beach, Cow Bay Beach, Pay Beach and Inkwell Beaches. Depending on need, different sites will be targeted for dredging and beach nourishment each year.

Ten-Year Comprehensive Dredging and Beach Nourishment Plan History

The Towns of Edgartown and Oak Bluffs have conducted maintenance dredging of their waterways under various ACOE Permits over the past 2 decades. In an effort to streamline the beach nourishment and dredging activities, the Edgartown Dredge Advisory Committee (EDAC) created a long term master plan for dredging and dredging management. The Master Plan was completed in March 27, 1996. The plan was incorporated into the Edgartown Harbor Plan, which was approved by the Secretary of Environmental Affairs on October 28, 1997. In 2003, the EDAC updated and revised the master plan. With voter’s approval, the Town purchased/leased its own Ellicott 370 dredge and related equipment, which has been operating annually for the past 9 years.

The EDAC is once again updating and revising the Master Plan and one component of the update is a 10-year comprehensive dredging and beach nourishment permit. The objective of the 10-year comprehensive dredge permit is to provide flexibility for the Town to manage the dredging/beach nourishment activities. The Edgartown Conservation Commission has issued a 10-year comprehensive permit under Order of Conditions, SE 20-1178. The Mass. Department

of Environmental Protection Chapter 91 Waterways Division has issued a 10-year comprehensive permit under Chapter 91 Permit No. 12559, and the 401 Water Quality Division has issued a 5-year Water Quality Certificate under Transmittal No. X228327. A list of historical Army Corp permits for the aforementioned dredging and beach nourishment sites is found below

Historical ACOE Dredging/Nourishment Permits:

I. Cape Poge:

The Gut and Nourishment Areas:

Cape Poge North Gut

Cape Poge Elbow

- ACOE NAE-2004-3801 issued 01/26/2005
- Dredged 1998, 2003, 2006, 2010

The Narrows and Nourishment Areas:

Cape Poge Narrows Trails

Cape Poge Narrows Beach

- ACOE NAE-2004-3803 issued 01/26/2005
- Dredged 1998, 2003, 2006

Dike Bridge Approach and Nourishment Area:

Dike Bridge (Over Sand Roads)

- ACOE NAE-2005-3802 issued 01/26/2007
- Dredged 1998, 2003, 2006

II. Edgartown Harbor:

Eel Pond Boat Ramp and Channel and Nourishment Areas:

Eel Pond Spit Barrier Beach

Eel Pond Alternate Froelich (Private)

- ACOE NAE-2006-3245 issued 08/24/2007
- Dredged 1999, 2000, 2004, 2007

Lighthouse Point and Nourishment Area:

Lighthouse (Fuller) Beach

- ACOE NAE-2005-3805 issued 01/26/2005
- Dredged 1999

Inner Harbor and Nourishment Area:

Lighthouse (Fuller) Beach

- ACOE NAE-2004-3804 issued 01/26/2005
- Dredged 2002

Collins Beach and Nourishment Area:
Nourishment Site E (Private)

- ACOE CENAE-CO-R-199901569 issued 01/21/2000
- Dredged 2001, 2002, 2003

Caleb's Pond and Nourishment Areas:
Nourishment Sites A-F (Private)

- ACOE NAE-2004-114 issued date unknown
- ACOE NAE-2004-114 (Amended) issued 03/13/2006
- Dredged 2006

Katama Bay Boat Ramp and Channel

- ACOE #200301586 issued 11/26/2003
- ACOE NAE-2000-00373 issued 04/11/2011

III. Edgartown Great Pond:

Great Pond Boat Ramp (Wilson's Landing) and Nourishment Area:
Great Pond Boat Ramp Nourishment Site

- ACOE NAE-2005-4047 issued 12/19/2005
- Not dredged

Great Pond Delta & Channel/Seasonal Excavation and Nourishment Area:
South Beach

- ACOE 200001739 issued 12/31/2000
- ACOE NAE-2005-4050 issued 12/29/2005
- Dredged 2001,2002,2004, 2010

Great Pond Sluiceway Approach and Nourishment Area:
South Beach

- ACOE NAE-2005-4048 issued 12/19/2005
- Dredged 2001, 2002, 2004

Herring Creek Restoration and Nourishment Area:
South Beach

- ACOE NAE-2005-4049 issued 12/23/2005
- Dredged 2004

IV. Sengekontacket Pond:

Borrow Area #1 and Nourishment Areas:
Sylvia State Beach
Bend in the Road Beach
Cow Bay Beach

- ACOE NAE-2006-3749 issued 05/29/2007

- Dredged 1997, 2008

Sengekontacket Pond Inner Channel and Nourishment Areas:

Sylvia State Beach

Pay Beach & Inkwell Beaches

Cow Bay Beach

- ACOE NAE-2006-3749 issued 05/29/2007
- ACOE 2009-01128 issued 04/20/2010
- Dredged 2004, 2010, 2011

Bend in the Road Beach

- ACOE NAE-2008-1616 issued 09/18/2008
- ACOE NAE-2008-1616 Reauthorized 08/02/2010

Cow Bay Beach Nourishment

- ACOE NAE-2010-1627 issued 10/08/2010

Project Locations: There are four general locations:

- Cape Poge Bay
- Edgartown Harbor (including Katama Bay)
- Edgartown Great Pond
- Sengekontacket Pond

Maintenance dredging in Cape Poge Bay includes of three (3) dredge locations: The Gut, The Narrows, and The Dike Bridge Approach. There are five (5) beach nourishment sites: Cape Pogue Elbow, North Gut, The Narrows Over Sand Roads, The Narrows Nantucket Sound Beach, and Dike Bridge Approach Over Sand Roads.

Maintenance dredging in Edgartown Harbor includes six (6) dredge locations: Eel Pond Boat Ramp and Channel, Lighthouse Point, Inner Harbor, Collins Beach, and Caleb's Pond and Katama Bay Boat Ramp and Channel. There are nine (9) beach nourishment sites: Eel Pond Spit Barrier Beach, Lighthouse (Fuller) Beach, Nourishment sites "A"- "F" (six sites), and the Froelich property.

Maintenance dredging in The Edgartown Great Pond includes four (4) dredge locations: Great Pond Boat Ramp (Wilson's Landing), Great Pond Delta and Channel, Sluiceway Approach, and Herring Creek Restoration. There are two (2) beach nourishment sites: Town beach adjacent to Great Pond Boat Ramp (Wilson's Landing) and South Beach.

Maintenance dredging in Sengekontacket Pond includes two (2) dredge locations: Borrow Site #1 and Sengekontacket Inner Channel. There are five (5) beach nourishment sites: Sylvia State Beach, Bend in the Road Beach, Cow Bay Beach, Pay Beach and Inkwell Beach.

Summary of Dredging and Beach Nourishment Projects:

1. CAPE POGE

Dredging:

The Cape Poge project includes maintenance dredging for navigation and beach nourishment. The total maintenance dredging volume of the three areas in Cape Poge Pond is 16,640 yd³. Dredging will be done by hydraulic dredge. Maintenance dredging of these channels is vital to navigation for commercial and recreational shell fishing and tidal pond flushing. Time of year (TOY) restrictions for dredging are found in Table 3.

- **The Gut** is maintenance dredging of 10,900 yd³ of material to -4 ft NAVD88 over 157,900 ft² area.
- **The Narrows** is maintenance dredging of 4,770 yd³ of material to -4.5 ft NAVD88 over 48,500 ft² area.
- **Dike Bridge Approach** is maintenance dredging of 970 yd³ of material to -4.5 ft NAVD88 over 45,000 ft² area.

Beach Nourishment:

In coordination with Trustees of Reservations for all five (5) nourishment locations, dredged materials will be placed as beach nourishment above mean high water on previously permitted beaches, and over the sand roads. Silt barriers will be placed to protect salt marsh in the nourishment areas as required by the Conservation Commission Order of Conditions and removed by April 15. Dredged material shall be dewatered within a temporary dewatering basin prior to final placement on the beach. Placement of dredge pipes across the marsh will be coordinated with a minimal amount of disturbance. Efforts will be made to minimize the impact of dredge pipes on beach vegetation. Any vegetation disturbed by placement of dredge pipe shall be replanted in coordination with the Conservation Commission. Beach nourishment will only take place between September 1 and March 15 to minimize adverse impacts to nesting shorebirds.

- **Cape Poge Elbow and North Gut.** The Cape Poge Elbow nourishment area will affect 140,000 ft² of beach of which 29,500 ft² is below the high tide line. The North Gut nourishment area will affect 43,380 ft² of beach of which 16,600 ft² is below the high tide line. This project was reviewed by NHESP file # 97-1566 and is determined to be near but not within plover and least tern nesting habitat. Prior to work, including the laying of pipe, qualified persons will demarcate the nesting sites of snowy egret and the black-crowned night heron. No beach nourishment material will be deposited within 10 feet of vegetation containing heron nests. Dredge pipe will not run through or within 10 feet of any heron nests.
- **The Narrows Over Sand Road and Nantucket Sound Beach.** The over sand roads nourishment area will affect 46,150 ft² above the high tide line. The

Nantucket Sound nourishment area will affect 43,370 ft² of beach of which 5,190 ft² is below the high tide line. This project was reviewed by NHESP file # 97-1666 and has been determined that it is within the actual habitat of piping plovers. The sand will be spread at a 10:1 slope to provide habitat for plovers. Work will be monitored by a qualified bird monitor, over the short duration of construction activities (3 days).

- **Dike Bridge Approach Over Sand Roads.** The on/over sand roads nourishment site will affect 47,990 ft² above the high tide line. This project was reviewed by NHESP file # 97-1562. Disturbance to marsh vegetation will be avoided in an effort not to disturb the adult and chick foraging areas.

2. EDGARTOWN HARBOR

Dredging:

The total maintenance dredging volume of the six (6) areas in Edgartown Harbor is 15,770 yd³. The dredged material will be hydraulically dredged and used for beach nourishment at various locations around the Harbor. Maintenance dredging of these channels is necessary to provide access to commercial and recreational shellfish locations, to provide safe navigation, and for beach nourishment. Time of year (TOY) restrictions for dredging are found in Table 3.

- **Eel Pond Channel and Boat Ramp** includes maintenance dredging of 1,850 yd³ of material to -5.7 ft NAVD88 over a 59,000 ft² area in the channel, and 230 yd³ to -5.7 ft NAVD88 over a 9,900 ft² area in the ramp area.
- **Lighthouse Point** includes maintenance dredging of 2,280 yd³ of material to -8.5 ft NAVD88 over a 38,210 ft² area, at the entrance to Edgartown Harbor for navigation.
- **Inner Harbor** is maintenance dredging of 7,760 yd³ of material to -7.5 ft NAVD88 over a 121,360 ft² area in the mooring area off Chappaquiddick Point to maintain navigation for commercial and recreational vessels.
- **Collins Beach** is maintenance dredging of 140 yd³ of material to -6.5 ft NAVD88 over a 23,050 ft² area to maintain navigation for commercial and recreational vessels.
- **Caleb's Pond Channel** is maintenance dredging of 1,680 yd³ of material to -5.5 ft NAVD88 over a 50,520 ft² area to maintain navigation to the Pond for commercial and recreational shell fishing.

- **Katama Bay Boat Ramp and Channel** is maintenance dredging of 1,830 yd³ of material to -6.5 ft NAVD88 over a 72,870 ft² area to maintain the area around the boat ramp and navigation channel.

Beach Nourishment:

For all nine (9) nourishment sites, dredged sand will be placed as beach nourishment material on previously permitted beaches. Nourishment will provide storm protection and habitat for endangered shorebirds. Silt barriers will be placed to protect salt marsh in the nourishment areas required by the Conservation Commission Order of Conditions. Dredged material will be dewatered on the beach. Placement of dredge pipes will be coordinated with Conservation Commission and/or Sheriff's Meadow Foundation. Efforts shall be made to minimize the impact of dredge pipes on beach vegetation. Any vegetation disturbed by placement of dredge pipe shall be replanted in coordination with the Conservation Commission. To comply with TOY restrictions, disposal will only occur between September 1 and March 15 to minimize any adverse effect on nesting shorebirds.

- **Eel Pond Spit Barrier Beach.** The barrier beach nourishment area is adjacent to the dredge area and owned by Sheriff's Meadow Foundation. Private eroding beaches, also adjacent to the dredge area, will be available for renourishment if, in consultation with Sheriff's Meadow Foundation that its beach area is not available. The Barrier Beach nourishment area will affect 117,350 ft² of which 38,750 ft² is below the high tide line. This project was reviewed by NHESP file # 97-1566 and was determined to be within plover and Least Tern nesting habitat. Slope of the Sheriff's Meadow Beach is 10:1.
- **Froelich Private Beach.** The Froelich private beach nourishment area will affect 14,170 ft² of which 1,430 ft² is below the high tide line. The private beaches were reviewed by NHESP file# 06-21069 and there were no known nesting sites on this property. Monitoring will be required if species are found in the future.
- **Lighthouse (Fuller) Beach.** Nourishment area is a barrier beach. Nourishment site will affect 49,160 ft² above the high tide line. This project was reviewed by NHESP file # 98-3287, and was determined to be within the actual habitat of endangered shorebirds. Nourishment will be placed at a slope of 10:1 to maintain habitat for endangered shorebirds.
- **Segment A-F (six sites).** Nourishment sites are located on six (6) separate beach areas in Edgartown Inner Harbor. Segment A nourishment area will affect 23,230 ft² of beach of which 11,830 ft² is below the high tide line. Segment B nourishment area will affect 1,540 ft² of beach of which 1,360 ft² is below the high tide line. Segment C nourishment area will affect 6,150 ft² of beach of which 4,120 ft² is below the high tide line. Segment D nourishment area will affect 4,900 ft² of beach of which 3,620 ft² is below the high tide line. Segment E nourishment

area will affect 52,630 ft² of beach of which 8,600 ft² is below the high tide line. Segment F nourishment area will affect 42,300 ft² of beach of which 10,180 ft² is below the high tide line.

3. EDGARTOWN GREAT POND

Dredging:

The total maintenance dredging volume of the four (4) areas in Edgartown Great Pond is 38,565 yd³. The dredged material will be used for beach nourishment at two (2) separate beach nourishment locations. There are no eelgrass beds or shellfish located in the project areas. Time of year (TOY) restrictions for dredging are found in Table 3.

- **Great Pond Boat Ramp (Wilson's Landing)** includes maintenance dredging of 85 yd³ to -4.5' ft NAVD88 over a 1,930 ft² area to maintain the navigation area at a Town owned boat ramp known as Wilson's Landing.
- **Great Pond Delta & Channel** includes maintenance dredging of inlet delta and seasonal excavation of a channel on the barrier beach between the Pond and the Atlantic Ocean to allow the exchange of water between the Pond and the ocean, for tidal flushing and improvement to marine fisheries habitat within the Pond. The dredging volume is 22,130 yd³ to -7.5 ft NAVD88 over a 105,430 ft² in the delta inside the pond. The excavation volume is 830 yd³ to -6.5 ft NAVD88 over a 3,200 ft² area in the channel at the outlet to the Atlantic Ocean.
- **Sluiceway Approach** is maintenance dredging of 11,660 yd³ of material to -6.5 ft NAVD88 over 121,900 ft² area to maintain the approach to the Herring Creek restored sluiceway and fish run.
- **Herring Creek Restoration** is maintenance dredging to maintain a restored historic anadromous fish way from Katama Bay through Herring Creek and Crackatuxet Cove to Edgartown Great Pond, using mechanical dredging. Some maintenance excavation will also be carried out using conventional construction equipment operating from the beach, bank or dune. Where necessary, invasive nuisance species will be removed, by hand if possible, and disposed of at an approved upland location. Disturbed areas will be replanted with native species. The dredge volume between Edgartown Great Pond and the Sluiceway is 2,380 yd³ of material to -4.5 ft NAVD88 over a 9,080 ft² area. The dredge volume between the Sluiceway and Crackatuxet Cove is 1,430 yd³ of material to -4.5 ft NAVD88 over a 8,410 ft² area. The area on the east side of Herring Creek Road is 50 yd³ of material to -2.5 ft NAVD88 over a 350 ft² area.

Beach Nourishment:

All material appropriate for beach nourishment will be placed on previously permitted beaches above and below the high tide line. No beach nourishment shall occur from April 1 to August 31 for the protection of nesting shorebirds on South Beach. Beach nourishment placement on the Wilson's Landing Beach is dictated by water levels in the Pond and not time of year restrictions associated with nesting shorebirds. Slope will be set at 10:1 and there will be no planting on the beach for the maintenance of shorebird habitat.

- **South Beach.** The South Beach nourishment area is the permitted site for placement of dredged materials from the Sluiceway Approach, Great Pond Channel and Delta, and compatible material from the Herring Creek Restoration. Beach nourishment placement will impact 175,400 ft² of beach of which 124,850 ft² is below the high tide line. Material will be pumped through a pipeline and pumped directly onto the beach from each of the sites except Herring Creek Restoration. The compatible material from Herring Creek that is suitable for beach nourishment will be transported to the nourishment site via rubber-tired trucks.
- **Great Pond Boat Ramp Beach.** The material dredged from the Wilson's Landing Boat Ramp will be placed on the adjacent Town beach when the water level in the Pond is low and under supervision of the Conservation Commission. Nourishment will impact 13,240 ft² of beach, all of which is below the high tide line.

4. SENGEKONTACKET POND

Dredging

The total maintenance dredging volume of the two (2) areas in Sengekontacket Pond is 53,060 yd³ to be used for beach nourishment on the adjacent barrier and coastal beaches. Time of year (TOY) restrictions for dredging are found in Table 3.

- **Borrow Site 1** is maintenance dredging of 21,790 yd³ of material to -6.5 ft NAVD88 over a 191,190 ft² area.
- **Inner Channel (Oak Bluffs)** is maintenance dredging of 31,270 yd³ of material to -6.5 ft NAVD88 over a 646,670 ft² area.

Beach Nourishment

The five (5) permitted nourishment areas all have the benefit of providing much needed storm damage protection and flood control for the barrier and coastal beaches, roads and other infrastructure along State Road in Edgartown and Oak Bluffs. For Sylvia State

Beach, Bend in the Road and Cow Bay Beach, the beach nourishment designs were done accordance with NHESP requirements to enhance and maintain endangered shorebird habitat and therefore have 10:1 slopes and time of year restrictions for nourishment.

- **Sylvia State Barrier Beach (Oak Bluffs).** The nourishment area will impact 418,580 ft² of beach, of which 235,880 ft² is below the high tide line. Beach nourishment is necessary along Sylvia State Beach for storm damage prevention and flood control and to protect the valuable ecosystem in Sengekontacket Pond. Temporary groins were installed as part of the 1997 Beach Road Erosion Control project in an effort to trap sand and ultimately reduce erosion rates for this repetitively damaged section of roadway, which had been impacted by storms many times the preceding decades. More recently, Dukes County and the Barrier Beach Task Force implemented a Beach Management program to monitor the beach erosion at Sylvia State Beach.
- **Bend in the Road Beach.** The nourishment area will impact 68,860 ft² of coastal beach, of which 47,180 ft² is below the high tide line. This popular Town beach was recently restored with dune construction and subsequent beach nourishment and the Town plans to perform routine maintenance with additional renourishment as often as necessary to protect State Road and the recreational beach.
- **Cow Bay Beach.** The nourishment area will impact 355,800 ft² of barrier beach, of which 235,900 ft² is below the high tide line. The Cow Bay dune restoration and beach nourishment project was initiated in 2008 with the construction of much needed protective dunes. Beach nourishment activities occurred annually for the subsequent three years until the design criteria were met. Nesting habitat for endangered shorebirds was incorporated into the design and Piping Plovers, Least Terns and American Oyster Catchers have been nesting, each year, since the nourishment was placed.
- **Pay Beach and Inkwell Beaches (Oak Bluffs).** Nourishment areas will impact 130,046 ft² of beach, which is all above the high tide line.

Tables 1, 2 and 3 describe the total area of impact, above and below the high tide line and Time of Year (TOY) restrictions for each site described above. All authorized work shall be in the locations shown and to the dimensions indicated in the permit plans in Table 4 – Summary Plans Edgartown Maintenance Dredging and Beach Nourishment.

Table 1- Edgartown Beach Nourishment Projects Summary

Nourishment Sites	Total ft²	Below HTL ft²
Cape Pogue Gut (Elbow)	140,000	29,500
Cape Pogue Gut (North Gut)	43,380	16,600
Cape Pogue Narrows (Over Sand Roads)	46,150	0
Cape Pogue Narrows (Nantucket Sound Beach)	43,370	5,190
Cape Pogue Dike Bridge Approach (Over Sand Roads)	47,990	0
Eel Pond Spit Barrier Beach	117,350	38,750
Eel Pond Froelich Beach	14,170	1,430
Lighthouse (Fuller) Beach	49,160	0
Caleb's Pond Segment Area A	23,230	11,830
Caleb's Pond Segment Area B	1,540	1,360
Caleb's Pond Segment Area C	6,150	4,120
Caleb's Pond Segment Area D	4,900	3,620
Caleb's Pond Segment Area E	52,630	8,600
Caleb's Pond Segment Area F	42,300	10,180
South Beach	175,400	124,850
Great Pond Boat Ramp (Wilson's Landing)	13,240	13,240
Sylvia State Beach (Oak Bluffs)	418,580	235,880
Bend in the Road Beach	68,860	47,180
Cow Bay Beach	355,800	235,900
Pay Beach (Oak Bluffs)	103,175	0
Inkwell Beach (Oak Bluffs)	26,871	0
Total Area, ft²	1,794,246	788,230

Table 2 - Edgartown Dredging Projects Summary

Dredge Sites	ft²	yd³
Cape Poge The Gut	157,900	10,900
Cape Poge The Narrows	48,500	4,770
Cape Poge Dike Bridge Approach	45,000	970
Eel Pond Channel	59,000	1,850
Eel Pond Boat Ramp	9,900	230
Lighthouse Point	38,210	2,280
Inner Harbor	121,360	7,760
Collins Beach	23,050	140
Caleb's Pond	50,520	1,680
Katama Bay Boat Ramp & Channel	72,870	1,830
Great Pond Boat Ramp (Wilson's Landing)	1,930	85
Great Pond Delta & Channel	108,630	22,960
Great Pond Sluiceway Approach	121,900	11,660
Herring Creek Restoration	17,840	3,860
Sengekontacket Pond Borrow Site #1	191,190	21,790
Sengekontacket Pond Inner Channel (Oak Bluffs)	646,670	31,270
Total	1,714,470	124,035*

* Volume does not include one foot overdredge allowance

Table 3 - Summary of Key Species and Required Time-of-Year (TOY) Restrictions

Project Site	Dredge /Fill	Winter Flounder 1/15-5/31	Diadromous Alewife 4/1-6/15 Blueback 4/1-6/30 Perch 4/1-6/15 American shad 5/1-7/15	Horseshoe Crab Dredge 5/1-6/30 Fill 5/1-7/31	Shorebirds 4/1-8/31	Combined TOY
Cape Poge Gut	D	Yes	No	No	N/A	1/15-5/31
Cape Poge Elbow	F	N/A	N/A	No	Yes	4/1-8/31
Cape Poge North Gut	F	N/A	N/A	No	No	None
Cape Poge Narrows	D	Yes	No	No	N/A	1/15-5/31
Cape Poge Narrows Over Sand Roads & Beach	F	N/A	N/A	No	Yes	4/1-8/31
Cape Poge Dike Bridge Approach	D	Yes	No	No	N/A	1/15-5/31
Cape Poge Dike Bridge Over Sand Roads	F	N/A	N/A	No	Yes	4/1-8/31
Eel Pond Boat Ramp & Channel	D	Yes	No	No	N/A	1/15-5/31
Eel Pond Spit Barrier Beach	F	N/A	N/A	No	Yes	4/1-8/31
Eel Pond Alternate Froelich (Private)	F	N/A	N/A	No	No	None
Lighthouse Point	D	Yes	No	Yes	N/A	1/15-5/31
Lighthouse (Fuller) Beach	F	N/A	N/A	No	Yes	4/1-8/31
Inner Harbor	D	Yes	Alewife	No	N/A	1/15-6/15
Collins Beach	D	Yes	No	No	N/A	1/15-5/31
Caleb's Pond	D	Yes	No	No	N/A	1/15-5/31
Caleb's Pond Areas "A-F" (Private)	F	N/A	N/A	No	No	None
Katama Bay Boat Ramp & Channel	D	Yes	No	Yes	N/A	1/15-5/31

Project Site	Dredge /Fill	Winter Flounder 1/15-5/31	Diadromous Alewife 4/1-6/15 Blueback 4/1-6/30 Perch 4/1-6/15 American shad 5/1-7/15	Horseshoe Crab Dredge 5/1-6/30 Fill 5/1-7/31	Shorebirds 4/1-8/31	Combined TOY
Great Pond Boat Ramp	D	No	Alewife, Shad, Perch	No	N/A	4/1-7/15
Great Pond Boat Ramp Nourishment Area	F	N/A	N/A	No	No	None
Great Pond Channel & Delta	D	No	Alewife, Shad, Perch	No	N/A	4/1-7/15
Great Pond Sluiceway Approach	D	No	Alewife, Shad, Perch	No	N/A	4/1-7/15
Herring Creek Restoration	D	No	Alewife, Shad, Perch	No	N/A	4/1-7/15
South Beach	F	N/A	N/A	No	Yes	4/1-8/31
Sengekontacket Pond Borrow Site #1	D	Yes	Alewife	No	N/A	1/15-6/15
Sengekontacket Pond Inner Channel	D	Yes	No	No	N/A	1/15-5/31
Sylvia State Beach	F	N/A	N/A	No	Yes	4/1-8/31
Bend in the Road Beach	F	N/A	N/A	No	Yes	4/1-8/31
Cow Bay Beach	F	N/A	N/A	No	Yes	4/1-8/31
Pay & Inkwell Beaches	F	N/A	N/A	No	No	None

Table 4 – Plans Summary
Edgartown Maintenance Dredging and Beach Nourishment

Location	Plan Title	Sheet #	Plan Date
Cape Poge The Gut, Elbow & North Gut	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Cape Poge The Gut, Dukes County, Edgartown, MA	Sheets 1-7	July 2012
Cape Poge The Narrows, Over Sand Roads & Beach	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Cape Poge The Narrows, Duke County, Edgartown, MA	Sheets 1-5	July 2012
Cape Poge Dike Bridge Approach & Over Sand Roads	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Cape Poge Dike Bridge Approach, Dukes County, Edgartown, MA	Sheets 1-5	July 2012
Eel Pond Boat Ramp, Channel, Barrier & Private Beaches	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Eel Pond, Dukes County, Edgartown, MA	Sheets 1-9	July 2012
Lighthouse Point	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Lighthouse Point, Dukes County, Edgartown, MA	Sheets 1-6	July 2012
Inner Harbor	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Inner Harbor, Dukes County, Edgartown, MA	Sheets 1-6	July 2012
Lighthouse (Fuller) Beach	See Plans for Lighthouse Point and Inner Harbor		
Collins Beach	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Collins Beach, Dukes County, Edgartown, MA	Sheets 1-5	July 2012
Caleb's Pond & Nourishment Segments A-F	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Caleb's Pond, Dukes County, Edgartown, MA	Sheets 1-11	July 2012

Location	Plan Title	Sheet #	Plan Date
Katama Bay Boat Ramp & Channel	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging for Katama Bay Boat Ramp and Channel, Dukes County, Edgartown, MA	Sheets 1-3	July 2012
Edgartown Great Pond Boat Ramp & Nourishment Site	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Edgartown Great Pond Boat Ramp/Wilson's Landing, Duke County, Edgartown, MA	Sheets 1-5	July 2012
Edgartown Great Pond Channel & Delta	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Edgartown Great Pond Channel & Delta, Dukes County, Edgartown, MA	Sheets 1-6	July 2012
Edgartown Great Pond Sluiceway Approach	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Edgartown Great Pond Sluiceway Approach, Dukes County, Edgartown, MA	Sheets 1-6	July 2012
Herring Creek Restoration	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging and Beach Nourishment for Herring Creek Restoration, Dukes County, Edgartown, MA	Sheets 1-8	July 2012
South Beach	See Plans for Edgartown Great Pond Delta & Channel, Sluiceway Approach, and Herring Creek Restoration		
Sengekontacket Pond Inner Channel and Borrow Site1	Plan Accompanying Petition of Town of Edgartown for Proposed Maintenance Dredging for Sengekontacket Pond Inner Channel, Oak Bluffs and Borrow Site 1, Edgartown, Dukes County, MA	Sheets 1-10	July 2012
Sylvia State Beach, Bend in the Road Beach, and Cow Bay Beach	Plan Accompanying Petition of Town of Edgartown for Proposed Beach Nourishment for Cow Bay Beach, Bend in the Road Beach and Sylvia State Beach, Dukes County, Edgartown and Oak Bluffs, MA	Sheets 1-21	July 2012
Pay & Inkwell Beaches	Plan Accompanying Petition of Town of Oak Bluffs, P.O. Box 1327, Oak Bluffs, MA 02557 To Permit Beach Nourishment in Nantucket Sound, Oak Bluffs, Dukes County, MA	Sheets 1-5	7/21/09

Section C

Mass. Historical Commission – Project Notification Form

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A

MASSACHUSETTS HISTORICAL COMMISSION

220 MORRISSEY BOULEVARD

BOSTON, MASS. 02125

617-727-8470, FAX: 617-727-5128

PROJECT NOTIFICATION FORM

Project Name: 10-Year Comprehensive Permit for Maintenance Dredging and Beach Nourishment

Location / Address: Various Locations in Edgartown and Oak Bluffs

City / Town: Edgartown and Oak Bluffs

Project Proponent

Name: Town of Edgartown, Attn: Howell Kelly

Address: P.O. Box 3413

City/Town/Zip/Telephone: Edgartown, MA 02539 / 508-627-9548

Agency license or funding for the project (list all licenses, permits, approvals, grants or other entitlements being sought from state and federal agencies).

Agency Name

Type of License or funding (specify)

Mass. DEP Chapter 91 Permit No. 12559, issued 12/14/2009

Mass. DEP Water Quality Certificate, Transmittal No. X228327, issued 11/4/2009

ACOE Permit Application filed on 7/23/2012

Project Description (narrative):

See Attached.

Does the project include demolition? If so, specify nature of demolition and describe the building(s) which are proposed for demolition.

No

Does the project include rehabilitation of any existing buildings? If so, specify nature of rehabilitation and describe the building(s) which are proposed for rehabilitation.

No

Does the project include new construction? If so, describe (attach plans and elevations if necessary).

No

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A (continued)

To the best of your knowledge, are any historic or archaeological properties known to exist within the project's area of potential impact? If so, specify. NO

What is the total acreage of the project area? *=Beach Nourishment Locations

Woodland _____	acres	Productive Resources:	
Wetland <u>41*</u>	acres	Agriculture _____	acres
Floodplain _____	acres	Forestry _____	acres
Open space _____	acres	Mining/Extraction _____	acres
Developed _____	acres	Total Project Acreage _____	acres

What is the acreage of the proposed new construction? _____ acres N/A

What is the present land use of the project area?

Land Under the Ocean is where the proposed dredging will occur. Coastal Beach and Coastal Dune are where the proposed beach nourishment will occur.

Please attach a copy of the section of the USGS quadrangle map which clearly marks the project location.

See Attached.

This Project Notification Form has been submitted to the MHC in compliance with 950 CMR 71.00.

Signature of Person submitting this form: Tara Marden/beh

Date: 7-19-12

Name: Tara Marden, Woods Hole Group, Inc.

Address: 81 Technology Park Drive

City/Town/Zip: East Falmouth, MA 02536

Telephone: 508-397-9689

REGULATORY AUTHORITY

950 CMR 71.00: M.G.L. c. 9, §§ 26-27C as amended by St. 1988, c. 254.

Section D

Cover Letters



July 23, 2012

Job No.2010-142

State Historic Preservation Officer
Mass. Historical Commission
The Mass. Archives Bldg.
220 Morrissey Boulevard
Boston, MA 02125

By Certified Mail/Return Receipt Requested

Re: Mass. Historical Commission: Project Notification Form
Proposed 10 Year Comprehensive Permit for Maintenance Dredging & Beach Nourishment
Town of Edgartown
Edgartown & Oak Bluffs, MA

Per the instructions of the Department of the Army General Permit, we are submitting a Project Notification Form for the above referenced project. The following items are enclosed:

- Mass. Historical Commission Project Notification Form
- Project Description
- Edgartown USGS Topographic Maps
- Project Plans

If you have any questions or require additional information, please give our office a call. Thank you.

Sincerely,

Tara Marden
Coastal Geologist

TPM/beh

Enclosures: as stated

cc: U.S. Army Corps of Engineers (cover letter only)



July 23, 2012

Job No.2010-142

Mass. Board of Underwater Archaeological Resources
Attn: Victor Mastone
251 Causeway Street, Suite 800
Boston, MA 02114

By Certified Mail/Return Receipt Requested

Re: Mass. Historical Commission: Project Notification Form
Proposed 10 Year Comprehensive Permit for Maintenance Dredging & Beach Nourishment
Town of Edgartown
Edgartown & Oak Bluffs, MA

Per the instructions of the Department of the Army General Permit, we are submitting a Project Notification Form for the above referenced project. The following items are enclosed:

- Mass. Historical Commission Project Notification Form
- Project Description
- Edgartown USGS Topographic Maps
- Project Plans

If you have any questions or require additional information, please give our office a call. Thank you.

Sincerely,

Tara Marden
Coastal Geologist

TPM/beh

Enclosures: as stated

cc: U.S. Army Corps of Engineers (cover letter only)



July 23, 2012

Job No.2010-142

Wampanoag Tribal Historic Preservation Officer
Wampanoag Tribe of Gay Head
20 Black Brook Road
Aquinnah, MA 02535

By Certified Mail/Return Receipt Requested

Re: Mass. Historical Commission: Project Notification Form
Proposed 10 Year Comprehensive Permit for Maintenance Dredging & Beach Nourishment
Town of Edgartown
Edgartown & Oak Bluffs, MA

Per the instructions of the Department of the Army General Permit, we are submitting a Project Notification Form for the above referenced project. The following items are enclosed:

- Mass. Historical Commission Project Notification Form
- Project Description
- Edgartown USGS Topographic Maps
- Project Plans

If you have any questions or require additional information, please give our office a call. Thank you.

Sincerely,

Tara Marden
Coastal Geologist

TPM/beh

Enclosures: as stated

cc: U.S. Army Corps of Engineers (cover letter only)

Section E

Waterfront Abutters

E. WATERFRONT ABUTTERS

CAPE POGE AREAS: The Gut, The Narrows & Dike Bridge Approach

Map 18 Lot 1

David & Lucia Tyler, Trs
5396 Rice Road
Trumansburg, NY 14886

Map 18 Lot 3

Town of Edgartown
PO Box 5158
Edgartown, MA 02539

Map 18 Lot 16

MV Land Bank Commission
PO Box 2057
Edgartown, MA 02539

Map 18 Lot 17

Nicholas Burgin
c/o Goldman Sachs
85 Broad Street
New York, NY 10004

Map 18 Lot 68

Elizabeth St. J Villard Et Al
6 North Neck Road
Edgartown, MA 02539

Map 15 Lot 6

SSL Inc.
Herndon & Hartell, Trs
73 Forest Avenue
Cohasset, MA 02025

Map 15 Lots 2, 3, 4

Trustees of Reservations
572 Essex Street
Beverly, MA 01915

Map 32 Lot 2

Trustees of Reservations
572 Essex Street
Beverly, MA 01915

Map 32 Lot 1.3

Christopher & Barbara Cole
266 Hopewell Amwell Road
Hopewell, NJ 08525

EDGARTOWN HARBOR AREAS:

Eel Pond

Map 13 Lot 14.1, 14.2

Robert Froelich
875 Park Avenue
New York, NY 10021

Map 13 Lot 13

Three Sandbars LLC
113 Bristol Road
Wellesley, MA 02481

Map13 Lot 15

Arthur Yorke Allen, Trs
Athearn House Nominee Trust
1095 Park Avenue
New York, NY 10128

Map 19A Lot 1

Sheriffs Meadow Foundation Inc.
Wakeman Conservation Center
RFD 319X
Vineyard Haven, MA 02568

Map 20B Lot 80

Jerri & Wendy Grannis, Trs
Grannis Realty Trust
8 Lookout Farm Road
South Natick, MA 01760

Map 20B Lot 78.2

David F Stein
875 Park Avenue
New York, NY 10021

Lighthouse Point & Lighthouse (Fuller) Beach

Map 19B Lot 6

Scout Harbor View Property 1 LLC
c/o Scout Real Estate Capital
12 Oak Street
Nantucket, MA 02554

Map 19B Lot 7 & 8

Town of Edgartown
PO Box 5158
Edgartown, MA 02539

Map 19B Lot 9

United States of America
Box
Edgartown, MA 02539

Map 19A Lot 8.2 & 13

Town of Edgartown
PO Box 5158
Edgartown, MA 02539

Inner Harbor

Map 30 Lot 3

Town of Edgartown
PO Box 5158
Edgartown, MA 02539

Collins Beach & Beach Nourishment Segment Area E

Map 29B Lot 67

Edgartown LLC
c/o Louis E Valker PNC Bank NA
201 East 5th St., 4th Floor
Cincinnati, OH 45202

Map 29B Lot 64

Edith M Radley
PO Box 781
Edgartown, MA 02539

Map 29B Lot 15

Jane L Bradbury, Trs
39 Montpelier Square
London SW71JY
England

Map 29B Lot 14

Marvin Waldman, Trs
Water St Nom Trs Suite 623
c/o Waldman & Co.
1 Penn Plz, Ste 705
New York, NY 10119-1403

Map 29B Lot 78.1

Edward Starr III, Trs
c/o Carstensen
PO Box 4846
Pocatello, ID 83205

Map 29B Lot 80

Dunrob LLC
865 South Figueroa Street, Ste 700
Los Angeles, CA 90017

Map 29B Lot 32

Arundale Family Trust
c/o DW Arundale
PO Box 12780311
Sioux Falls, SD 57186

Map 29B Lot 69

ADEC Dunham Rd Real Estate LLC
172 South Ocean Blvd.
Palm Beach, FL 33480

Map 29B Lot 70

Warren D Vose Jr, Trs
PO Box 5279
Edgartown, MA 02539

Map 29B Lot 71

Julien W Vose
Family LLC
PO Box 950
Edgartown, MA 02539

Map 29B Lot 74

Edgartown Harbor LLC
c/o David Schuster
Sentinel Oak LLC
PO Box 3000, PMB 3099
West Tisbury, MA 02575

Map 29 Lot 125.1

Ernest & Barbara Boch
c/o Subaru of New England
95 Morse Street
Norwood, MA 02062

Caleb's Pond & Beach Nourishment Segment Areas A, B, C, D, F

Map 30 Lot 19

Elizabeth Stetson MCC
c/o C A Chianese
72 Van Sant Drive
Hamilton Square, NJ 08690

Map 30 Lot 20

Charlotte Armstrong
501 East 79th St., Apt 3C
New York, NY 10075-0732

Map 30 Lot 21 & 36

David & Tanya Murphy
5 Stony Point Road
Westport, CT 06880

Map 30 Lot 22

H.W., S.F. & George B. Barnard Jr., Trs
1957 Wood Duck Lane
Boise, ID 83706

Map 30 Lot 37.1

Marcia & Bruce Fowle
1192 Park Avenue
New York, NY 10128

Map 30 Lot 41

Lane & Barbara Bates
24 Caleb Pond Road
Edgartown, MA 02539

Map 30 Lot 42

Todd & Linda Davis
83 Old Kings Highway So
Darien, CT 06820

Map 30 Lot 44

Antoine DuBourg
c/o Clare J Gesualdo
PO Box 1910
Newport, RI 02840-0190

Map 30 Lot 45

Summerhouse LLC
c/o Walsh
P O Box 7206
Portland, ME 04112-7206

Map 30 Lot 47

Martin & Hope Lynn
206 Winding River Road
Wellesley, MA 02482

Map 30 Lot 50

Edward B Meyer III
5 Overlook Road
Locust Valley, NY 11560

Map 30 Lot 52.1

Duncan D & Susan Ebersol, Trs
c/o Provident Financial Management
2850 Ocean Park Blvd, Ste 300
Santa Monica, CA 90405

Map 30 Lot 53.211

Barbara Giordano
215 East 72nd St., Apt 12W
New York, NY 10021

Map 35 Lot 2

Chappy Holdings LLC
1177 George Bush Blvd, Ste 307
Delray Beach, FL 33483

Katama Bay

Map 51 Lot 39 & 52

Town of Edgartown
PO Box 5158
Edgartown, MA 02539

Map 51 Lot 38

Rose F & Campbell C Groel Jr
c/o Hunter W. Corbin, Trs
12 Brook Terrace
Fair Haven, NJ 07704

Map 51 Lot 40

Beatrice & David Brown
c/o Adam Brown
545 Cedar Lane
Teaneck, NJ 07666

Map 46 Lot 51 & 52

MV Land Bank Commission
PO Box 2057
Edgartown, MA 02539

Map 46 Lot 53

Karen Swett Conway
301 Otis Street
Newton, MA 02165

Map 46 Lot 55

Bonanno MV LLC
14 Warewoods Road
Saddle River, NJ 07458

EDGARTOWN GREAT POND AREAS:

Great Pond Delta & Channel, Sluiceway Approach & Herring Creek Restoration

Map 45 Lot 25

Town of Edgartown
PO Box 5158
Edgartown, MA 02539

Map 52 Lot 2

Commonwealth of Mass.
Box
Edgartown, MA 02539

Map 53 Lot 1, 2 & 19

MV Land Bank Commission
PO Box 2057
Edgartown, MA 02539

Map 53 Lot 3

Rosabeth Moss Kanter
6 Channing Place
Cambridge, MA 02138

Map 53 Lot 4

Brown R A Enterprises Inc.
RFD 300A
Edgartown, MA 02539

Map 53 Lot 7

MV Regency Group LLC
c/o Geller Family Office Services LLC
PO Box 1510
New York, NY 10150-1510

Map 53 Lot 11

Herring Creek Farm LOA Inc.
Attn: Faith Strader
120 E De la Guerra St.
Commer Capital Bldg
Santa Barbara, CA 93101

Map 53 Lot 12

Cracktuxet Trust
PO Box 959
Edgartown, MA 02539

Map 53 Lot 15

Commonwealth of Mass.
Box
Edgartown, MA 02539

Map 53 Lot 16

Town of Edgartown
Conservation Commission
PO Box 1065
Edgartown, MA 02539

Map 53 Lot 20

Anthony M O'Connor
1158 Fifth Avenue
New York, NY 10029

Map 53 Lot 21

Katherine M Burke
Off Slough Cove Road
Edgartown, MA 02539

Map 54 Lot 6.1

Jeremiah Mackenty Et Al
RR1 Box 73Y
Edgartown, MA 02539

Great Pond Boat Ramp (Wilson's Landing)

Map 37 Lot 15

Richard A Brown
RFD 300A
Edgartown, MA 02539

Map 38 Lot 8.3

Karen L & Alan M Muney, Trs
70 Leeuwarden Road
Darien, CT 06820

Map 43 Lot 5

John O'Keefe
10 Farm Street
Dover, MA 02030

SENGEKONTACKET POND AREAS:

Inner Channel & Sylvia State Beach (Oak Bluffs)

Map 32 Lot 1

Commonwealth of Mass.
State Beach
Oak Bluffs, MA 02557

Map 32 Lot 2

Town of Oak Bluffs
PO Box 1327
Oak Bluffs, MA 02557

Map 32 Lot 3 & 4

Curlew Land & Cattle Co. Limited Partnership
1 Pierrepont St.
Brooklyn, NY 11201

Borrow Site 1 & Bend in the Road Beach

Map 5 Lot 1 & 2

Commonwealth of Mass.
Dept. of Natural Resources
Boston, MA 02114

Map 12 Lot 21

Cow Bay Corporation
c/o Gloria O'Connell
16 Rock Ridge Ave.
Greenwich, CT 06831

Cow Bay Beach

Map 13 Lot 2

Solar Properties LLC
200 Greenwich Ave.
Greenwich, MA 06830

Map 13 Lot 3

Azur Properties LLC
200 Greenwich Ave.
Greenwich, MA 06830

Map 13 Lot 4.1

Julie A Kulhanjian, Trs
Trapps Pond Realty Trust
c/o The Roda Group
918 Parker St., Ste A14
Berkeley, CA 94710

Map 13 Lot 4.3

Roger A Strauch, Trs
KMV Realty Trust
c/o The Roda Group
918 Parker St., Ste A14
Berkeley, CA 94710

Map 13 Lot 4.21

Joann M Mettler
401 Sackett Point Road
North Haven, CT 06473

Map 13 Lot 13

Three Sandbars LLC
113 Bristol Road
Wellesley, MA 02481

Section F

Current Local & State Comprehensive Permits

310 CMR 10.99

Edgartown, Mass
Town Clerk's Office
9 Sept 2009
Rec'd for Record
AT 3H17MPM

DEP File No.

SE20-1178

(To be provided by DEP)

Form 5

City/Town Edgartown 17-09Applicant Town of Edgartown
Dredge DepartmentCommonwealth
of Massachusetts

Order of Conditions
Massachusetts Wetlands Protection Act
G.L. c. 131, §40
and the Edgartown Wetlands Protection Act

From The Edgartown Conservation Commission Issuing AuthorityTo Town of Edgartown - Dredge Department
(Name of Applicant) (Name of property owner)Address PO Box 5158 Address Edgartown MA 02539

This order is issued and delivered as follows:

- ☒ by hand delivery to applicant or representative on 9 Sept 2009 (date)
☐ by certified mail, return receipt requested on _____ (date)

This project is located at MultipleThe property is recorded at the Registry of Dukes County

Book _____ Page _____

Certificate (if registered) _____

The Notice of Intent for this project was filed on 26 May 2009 (date)The public hearing was closed on 19 August 2009 (date)

Findings

The Commission has reviewed the above-referenced Notice of Intent and plans and has held a public hearing on the project. Based on the information available to the Commission at this time, the Commission has determined that the area on which the proposed work is to be done is significant to the following interests in accordance with the Presumptions of Significance set forth in the regulations for each Area Subject to Protection Under the Act (check as appropriate):

- | | | |
|---|--|---|
| <input type="checkbox"/> Public water supply | <input type="checkbox"/> Flood control | <input type="checkbox"/> Land containing shellfish |
| <input type="checkbox"/> Private water supply | <input type="checkbox"/> Storm damage prevention | <input type="checkbox"/> Fisheries |
| <input type="checkbox"/> Ground water supply | <input type="checkbox"/> Prevention of pollution | <input type="checkbox"/> Protection of Wildlife Habitat |

Total Filing Fee Submitted Exempt State Share _____
(1/2 fee in excess of \$25)

City/Town Share _____

Total Refund Due \$ _____ City/Town Portion \$ _____ State Portion \$ _____
(1/2 total) (1/2 total)

Therefore, the Commission hereby finds that the following conditions are necessary, in accordance with the Performance Standards set forth in the regulations, to protect those interests checked above. The Commission orders that all work shall be performed in accordance with said conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications or other proposals submitted with the Notice of Intent, the 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.
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 and both that date and the special circumstances warranting the extended time period are set forth 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 Commission on the form at the end of this Order 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 Quality Engineering,
File Number SE 20 - 1178".
10. Where the Department of Environmental Quality Engineering 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 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:

Plans:

Title:	Date:	Signed & stamped by:	On file with:
Notice of Intent	20 May 2009		Commission

Special Conditions:

1. This order permits the dredging and nourishment of all the sites listed in the town of Edgartown's Comprehensive Dredge Permit.
2. The Commission, its agents and employees, shall have the right of entry upon the properties to inspect for compliance with this order.
3. This permit is granted for a term of ten years. Extensions may be granted at the request of the applicant.
4. All projects are subject to the conditions stated in the Massachusetts Natural Heritage and Endangered Species Program letter dated 19 August 2009 and in the letter from the Dredge Committee dated 16 July 2009.
5. Permission to traverse the beach must be obtained from all property owners.
6. Access shall be clearly defined and marked in the field.
7. Disposed materials must be compatible with the existing natural beach sand.
8. Upon completion of the work, beach shall be returned to preexisting grades and conditions - unless changes have been authorized under the terms of this permit.
9. Prior to any work on site, including the mobilization of equipment, the Conservation Agent and the project manager shall review a construction protocol on site.
10. Any replanting of nourished areas shall be subject to review and approval of a planting plan by the Conservation Agent.
11. Supplemental planting and snow fencing are not permitted in areas deemed suitable nesting habitat for piping plovers and terns.
12. At the beginning of each dredge season - and prior to any work commencing - the Commission shall review each project proposed for that year.

Issued by The Edgartown Conservation Commission

Signature(s) _____

Glenn W. Geller
[Signature]

[Signature]

This order must be signed by a majority of the Conservation Commission.

On this 9th day of September 2009, before me personally appeared Christina Brown, 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.

PERSONAL KNOWLEDGE OF IDENTITY

Notary Public

Lisa C. Morrison

11 May 2012
 My commission expires

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land upon which the proposed work is to be done, or any ten residents of the city or town in which such land is located, are hereby notified of their right to appeal to the Superior Court within sixty (60) days of the filing of this permit with the Town Clerk. Concurrently, the applicant and the conservation commission shall be notified of the appeal by certified mail.

Detach on dotted line and submit to the Commission prior to commencement of work.

To The Edgartown Conservation Commission Issuing Authority

Please be advised that the Order of Conditions for the project at multiple locations
 File Number SE20-1178 has been recorded at the Registry of Dukes and
 has been noted in the chain of title of the affected property in accordance with General Condition B on

If recorded land, the instrument number which identifies this transaction is _____
 If registered land, the document number which identifies this transaction is _____
 Signature _____ Applicant



EDGARTOWN CONSERVATION COMMISSION
BOX 1065 EDGARTOWN, MASSACHUSETTS 02539
TELEPHONE: 508-627-6165
FAX: 508-627-6123

Edgartown, Mass
Town Clerk's Office
September 10 20 10
Rec'd for Record
AT 2 H 45 P M

AMENDMENT FOR TOWN OF EDGARTOWN
COMPREHENSIVE DREDGE PERMIT
DEP SE 20-1178

1. This Amendment permits the placement of beach nourishment below mean high water on Sylvia State Beach and Cow Bay beaches as per the plan on file: Town of Edgartown Proposed Beach Nourishment for Sylvia State and Cow Bay Beaches, Sheets 1-4, signed and stamped by Kirk R. Bosma, RPE, dated August 17, 2010.
2. Access for the disposal shall be reviewed and approved by the Conservation Agent.
3. The portion of the beach designated as suitable nesting habitat shall be nourished in accordance with restrictions issued by Mass. Natural Heritage and Endangered Species Program.

Date of Issuance: 10 Sept 2010

Issued by the Edgartown Conservation Commission

[Signature]
Edith W. Potter

[Signature]
Bill Province

On this 10th day of Sept 2010, before me personally appeared Edith W. Potter
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.

[Signature]
Notary Public: Lisa C. Morrison

PERSONAL KNOWLEDGE OF IDENTITY

11 May 2012
My Commission expires



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

PERMIT NO. 12559

Town of Edgartown
P.O. Box 3413
Edgartown, MA 02539

Town of Oak Bluffs
P.O. Box 1327
Oak Bluffs, MA 02557

Issued: December 14, 2009
Expires: December 14, 2019
Amend #1: October, 25, 2010

Permission is hereby given by the Department of Environmental Protection to: the towns of Edgartown and Oak Bluffs for a "Ten-Year Comprehensive Dredging and Beach Nourishment Plan" to dredge approximately 200,000 cubic yards of sediment from seventeen (17) previously permitted sites including the following; at Cape Pogue: The Gut, The Narrows, Dike Bridge Approach and Outside Cape Pogue Pond. Edgartown Harbor: Eel Pond, Eel Pond Ramp, Lighthouse, Collins Beach, Calebs Pond and Katama Bay. Edgartown Great Pond: Great Pond Ramp, Channel Sluiceway and Seasonal Excavation and Herring Creek Restoration Dredging and Excavation. Sengekontacket Pond: Borrow Areas 1 & 2, Little Bridge and Sengekontacket Pond In & Outside. Beach nourishment areas consist of eighteen (18) permitted sites including the following: Cape Pogue: Cape Pogue Elbow, North Gut, Narrows Trails and Beach and Dike Bridge. Edgartown Harbor: Eel Pond Barrier Island and Beach, Lighthouse (Fuller) Beach, Norton Point, Private Properties Sites A-E, Gardner and Froelich properties, Edgartown Great Pond: South Beach, Great Pond Ramp and Butler's Cove Private. Sengekontacket Pond: Sylvia State Beach, State Beach Alternative, Bend in the Road Beach, Cow Bay Dunes, Pay Beach and Inkwell Beach.

Ten-Year Comprehensive Dredging and Beach Nourishment Plan History

The Towns of Edgartown and Oak Bluffs have conducted maintenance dredging of their waterways under various Waterway Permits, Water Quality Certifications (WQC), Order of Conditions (OoCs) and 404 Permits. There are currently 17 permits/certificates for dredging and 18 permits for beach nourishment. Although the permitting process for maintenance dredging and sand management is "manageable", the Edgartown Dredge Advisory Committee (EDAC) desired to have a long range master plan for dredging and dredging management. The Master Plan was completed in March 27, 1996. The plan was incorporated into the Edgartown Harbor



Plan, which was approved by the Secretary of Environmental Affairs on October 28, 1997. In 2003, the EDAC updated and revised the master plan. With voter approval, the Town purchased/leased its own Ellicott 370 dredge and related equipment.

The EDAC is once again updating and revising the Master Plan and one component of the update is a 10 year comprehensive dredging permit. The objective of the 10 year comprehensive dredge permit is to provide flexibility for the Town to manage the dredging/nourishment activities.

Historical Dredging/Nourishment Permits:

I. Cape Pogue:

The Gut and Nourishment area NSELB
Cape Pogue North Gut A&B – NSNG (#2)
Cape Pogue Elbow C-G – NSELB (#1)

- Order of Conditions SE20-655 issued 04/07/1997
- DEP Ch. 91 permit# 320 issued 10/17/2007
- DEP WQC T# 123381 issued 10/03/1997
- ACOE NAE-2004-3801 issued 01/26/2005
- NHESP 97-1566
- Dredged 1998, 2003, 2006

The Narrows and Nourishment area
Cape Pogue Narrows Trails – NSNT(#3)
Cape Pogue Narrows Beach –NSNB(#4)

- Order of Conditions SE20-653 issued 04/07/1997
- DEP Chp91 permit# 322 issued 10/17/1997
- DEP WQC T# 122716 issued 10/03/1997
- ACOE NAE-2004-3803 issued 01/26/2005
- NHESP 97-1666
- Dredged 1998, 2003, 2006

Dike Bridge Approach and Nourishment area:
Cape Pogue Dike Bridge (OVR Trails) – NSDB (#5)

- Order of Conditions SE20-651 issued 04/07/1997
- DEP Ch. 91 Permit# 323 issued 10/17/1997
- DEP WQC T# 125062 issued 10/03/1997
- ACOE NAE-2005-3802 issued 01/26/2007
- NHESP 97-1562
- Dredged 1998, 2003, 2006

Cape Pogue Pond Outside Channel:

- Order of Conditions SE3-3743 issued 01/13/2009
- DEP Ch. 91 Permit # 12492 issued 09/09/2009

- DEP WQC# X228095 issued 08/31/2009

II. Edgartown Harbor:

Eel Pond and Eel Pond Ramp

Eel Pond Barrier Island – NSEBI (#6)

Eel Pond Barrier Beach – NSEPBB(#7)

Eel Pond Alternate Froelich (Private) – NEPALT(#8)

- Order of Conditions SE20-654 issued 04/07/1998
- DEP Ch. 91 Permit# 321 issued 10/17/1997
- DEP Ch. 91 Permit# 370 issued 01/21/1999
- DEP WQC T# 122151 issued 10/03/1997
 - Amended 12/31/1998
- ACOE NAE-2006-3245 issued 08/24/2007
- Dredged 1999, 2000,2004,2007

Lighthouse

- Order of Conditions SE20-723 issued 06/30/1998
- DEP Ch. 91 Permit # 358 issued 12/29/1998
- DEP WQC T# 125423 issued 09/21/1998
 - Amended T#121066 issued 12/14/1998
- ACOE NAE-2005-3805 issued 08/24/2007
- Dredged 1999

Inner Harbor

- Order of Conditions SE20-774 issued 06/30/1999
- DEP Ch. 91 Permit# 383 issued 10/25/1999
- DEP WQC T# W995749 issued 10/01/1999
- ACOE NAE-2004-3804 issued 01/26/2005
- Dredged 2002

Collins Beach

- Order of Conditions SE20-770 issued 5/27/1999
- DEP Ch. 91 Permit# 384 issued 2/24/2000
- DEP WQC T# W003958 issued 2/26/2000
- ACOE CENAE-CO-R-199901569 issued 1/21/2000
- NHESP 99-4950
- Dredged 2001,2002,2003

Calebs Pond

Nourishment Site E (Private) – NSE (#12)

Nourishment Site A-D, F (Private) – NSA-D, F (#13)

- Order of Conditions SE20-989 issued 08/04/2004
 - Amended 12/11/2005

- DEP Ch. 91 Permit# 10128 issued 02/08/2005
 - Amended issued 10/24/2005
- DEP WQC T# W053604 issued 01/12/2005
- ACOE NAE-2004-114 issued 03/26/2006
- EOEA#13263
- Dredged 2006

Katama Boat Ramp and Channel

- Order of Conditions SE20-722 issued 06/30/1998
- DEP Ch. 91 Permit# 359 issued 10/01/2008
- DEP WQC T# 125429 issued 09/17/1998
- ACOE #200301586 issued 11/26/2003
- Emergency Authorization issued 09/14/2009
- Dredged 1999, 2005,

Katama Bay

- DEP Ch. 91 Permit# 9869 issued 01/28/2009
- Order of Conditions SE20-949 issued 08/28/2003
- DEP WQC T# W040597 issued 12/22/2003
- ACOE 200301586 issued 11/26/2003
- EOEA 12823
- Dredged 2005

Norton Point Nourishment Site

- DEP Ch. 91 Permit# 9869 issued 01/28/2004
- NHESP 02-10721

Private Beach Nourishment sites A-F

- DEP Ch. 91 Permit# 10128 issued 02/08/2005
 - Amended issued 10/24/2005
- DEP Ch. 91 Permit# 383 issued 10/25/1999
- DEP Ch. 91 Permit# 384 issued 02/24/2000

Fuller Beach Nourishment site

- DEP Ch. 91 Permit # 383 issued 10/25/1999
- DEP Ch. 91 Permit # 358 issued 12/29/1998
- NHESP 98-3287

Eel Pond Nourishment

- DEP Ch. 91 Permit # 370 issued 01/21/1999
- NHESP 97-1667

III. Edgartown Great Pond:

Great Pond Boat Ramp (Wilson's Landing)

Great Pond Ramp Nourishment – NSGRP (#17)

- Order of Conditions SE20-868 issued 11/19/2001
- DEP Ch. 91 Permit# 9534 issued 11/20/2002
- DEP WQC T# W026369 issued 11/12/2002
- ACOE NAE-2005-407
- Not dredged

Great Pond Channel/Seasonal Excavation

- Order of Conditions SE20-809 issued 07/27/2000
- Order of Conditions SE20-818 issued 12/14/2000
- DEP Ch. 91 Permit # 405 issued 10/13/2000
- DEP Ch. 91 Permit# 11751 issued 03/28/2007
- DEP WQC T# W012990 issued 10/03/2005
- ACOE 200001739 issued 12/29/2005
- EOEA 12265
- Dredged 2001,2002,2004

Great Pond Sluiceway Approach

- Order of Conditions SE20-854 issued 08/10/2001
- DEP Ch. 91 Permit# 9174 issued 01/24/2002
- DEP WQC T# W21487 issued 11/17/2006
- ACOE NAE-2005-40848 issued 12/19/2005
- Dredged 2001, 2002, 2004

Herring Creek Restoration

- Order of Conditions SE20-911 issued 12/19/2002
- DEP Ch. 91 License# 9569 issued 02/27/2003
- DEP WQC T# W031738 issued 12/17/2002
- ACOE NAE-2005-4048 issued 12/19/2005
- NHESP 02-10618
- EOEA 12580
- CZM 2/25/03
- Dredged, 2004

South Beach Nourishment Area

- DEP Ch. 91 Permit# 9174 issued 01/24/2002
- DEP Ch. 91 License# 9569 issued 02/27/2003
- DEP Ch. 91 Permit# 11751 issued 03/28/2007
- NHESP 99-5501

IV. Sengekontacket Pond:

Borrow Area #1

- Order of Conditions SE20-1111 issued 04/27/2007
- DEP Ch. 91 Permit # 11859 issued 07/30/2007
 - revised issued 10/15/2008
 - revised issued 10/22/2009
- DEP WQC T# W075131 issued 06/27/2007
- ACOE NAE-2006-3749 issued 05/29/2007
- Dredged 1997, 2008
- EOEA 6386

Borrow Area #2

- Order of Conditions SE53-0520 issued 07/05/2007 Oak Bluffs
- Order of Conditions SE20-1111 issued 04/27/2007
- DEP Ch. 91 Permit# 11859 issued 07/30/2007
 - revised issued 10/15/2008
- DEP WQC T# W075131 issued 06/27/2007
- ACOE NAE-2006-3749 issued 05/29/2007
- EOEA 6386
- Dredged 1997

Little Bridge

- Order of Conditions SE53-0520 issued 07/05/2007 Oak Bluffs
- DEP Ch. 91 Permit# 11859 issued 07/30/2007
 - revised issued 10/15/2008
- DEP WQC T# W075131 issued 06/27/2007
- ACOE NAE-2006-3749 issued 05/29/2007
- EOEA 6386
- Dredged Yearly

Sengekontacket Pond Inner Channel

State Beach Alternate – NSSB (#20)

Sylvia Beach, Pay Beach, Inkwell Beach

- Order of Conditions SE53-0520 issued 07/05/2007 Oak Bluffs
- DEP Ch. 91 Permit# 12540 issued 08/25/2009 Oak Bluffs
- DEP WQC #228786 issued 08/10/2009 Oak Bluffs

Sylvia State Beach

- Order of Conditions SE53-0520 issued 07/05/2007 Oak Bluffs
- Order of Conditions SE53-0572 revised 07/2009
- DEP Ch. 91 Permit# 11859 issued 07/30/2007
- revised issued 10/15/2008
- DEP WQC T# W075131 issued 06/27/2007

- ACOE NAE-2006-3749 issued 05/29/2007
- EOEA 6386
- NHESP 06-20947
- CZM 2/25/03
- Dredged 2004
- **EOEEA Notice Project Change #14425 issued 09/10/2010**
- **ACOC NAE-2010-1627 issued 10/08/2010**
- **Order of Conditions SE20-1178 Amend issued 09/10/10**
- **Comp. WQC Amendment 1 issued 10/25/2010**
Nourishment below MHW
- **Ch. 91 Permit Amendment 1 issued 10/25/2010**

Bend in the Road Beach

Cow Bay Nourishment above MHW & below MHW

- DEP Ch. 91 Permit# 12217 issued 08/27/2008
- DEP WQC T# W075131 issued 08/22/2008 Amend #1
- ACOE NAE-2008-1616 issued 09/18/2008
- NHESP 07-23113,06-20624
- EOEA 14138
- **EOEEA Notice Project Change #14425 issued 09/10/2010**
- **ACOE NAE-2010-1627 issued 10/08/2010**
- **Comp. WQC Amendment 1 issued 10/25/2010**
- **Order of Conditions S-20-1178 Amend issued 09/10/2010**
Nourishment below MHW
- **Ch. 91 Permit Amendment issued 10/25/2010**
Below MHW

Cow Bay Beach Nourishment/Dune Restoration

- DEP Ch. 91 Permit# 11859 issued 10/15/2008 Upland only
- DEP WQC T# W075131 issued 11/28/2008 Amend #2
- NHESP 07-23113
- EOEA 14138

Project Locations: There are four general locations:

- Cape Pogue Bay
- Edgartown Harbor
- Edgartown Great Pond
- Sengekontacket Pond

Maintenance dredging in Cape Pogue Bay consists of four dredge areas, the Gut, the Narrows, Dike Bridge Approach, and Outer Channel. There are three nourishment sites: Cape Pogue

Elbow (NSELB) and Gut Nourishment site, Dike Bridge (NSDB), Nourishment Site, the Narrows (NSN),

The Edgartown Harbor component consists of eight dredge areas: Eel Pond, Lighthouse, Inner Harbor, Collins Beach, Caleb's Pond, Katama Boat Ramp and Channel, and Katama Channel. There are 5 Beach nourishment sites: Eel Pond (EPNS), Fuller Beach (FBNS), Nourishment site "E" (NSE), Nourishment sites "A"- "D" (NSA-D), NBNS (Norton Beach).

The Edgartown Great Pond component consists of four maintenance dredging areas: Great Pond Ramp (Wilson's Landing), Great Pond Channel, Sluiceway Approach, and Herring Creek Restoration Project. Nourishment site is South Beach (SBNS).

Sengekontacket Pond component consists of four dredging areas: Borrow Area #1, Borrow Area #2, Little Bridge Outside Channel, and Sengekontacket Inner Channel. Nourishment sites are Sylvia State Beach (SBNS), Bend in the Road (BITRNS) Beach, Cow Bay Dunes (CBNS).

Summary of Dredging and Beach Nourishment Projects:

1. CAPE POGUE

Cape Pogue Dredging:

The Cape Pogue project is maintenance dredging for navigation and beach nourishment. The total maintenance dredging volume of the three areas in Cape Pogue Pond is 16,190 yd³. Dredging will be done by hydraulic dredge. Maintenance dredging of these channels is vital to navigation for commercial and recreational shellfishing and tidal pond flushing. There are no eelgrass beds or shellfish located in any of the project areas. There is eelgrass in the vicinity of the Gut, but not in the project area. Previous information received during the initial permitting has indicated that Winter flounder will not be impacted in the Narrows or the Dyke Bridge Approach. Due to the high current velocity in the area of the Gut, it is unlikely that winter flounder will spawn in the entrance channel. Work in the three project areas will occur between Nov 1 and March 15 to avoid adverse impacts nesting birds.

- **The Gut** is maintenance dredging of 9,900 yd³ of sediment to -2.5 ft MLW over 135,000 ft² area.
- **The Narrows** is maintenance dredging of 3,100 yd³ to -3 ft MLW over 48,500 ft² area.
- **Dike Bridge Approach** is maintenance dredging of 1,800 yd³ to -3 ft MLW over 21,000 ft² area.
- **Outer Channel** is maintenance/improvement dredging of 1,390 yd³ to -6 ft MLW over 20,000 ft² area.

Cape Pogue Beach Nourishment:

In coordination with Trustees of Reservations for all three nourishment sites, dredged materials will be placed as beach nourishment material above mean high water on previously permitted barrier beaches, and over the sand roads... Silt barriers will be placed to protect salt marsh in the

nourishment areas as required by the Conservation Commission Order of Conditions and removed by April 15. Dredged sand shall be dewatered within a temporary dewatering basin prior to final placement on the beach. Placement of dredge pipes across the marsh will be coordinated with a minimal amount of disturbance. Efforts will be made to minimize the impact of dredge pipes on beach vegetation. Any vegetation disturbed by placement of dredge pipe shall be replanted in coordination with the Conservation Commission. Beach nourishment will only take place between Nov 1 and March 15 to minimize adverse effect of piping plovers.

- **Cape Pogue Elbow (NSELB) and North Gut (NSNG)** Nourishment area will affect 101,000 ft² of beach above the high tide line. This project was reviewed by NHESP file # 97-1566 and is determined to be **near** but not within plover and least tern nesting habitat. Prior to work, including the laying of pipe, the nesting sites of snowy egret and the black-crowned night heron will be demarcated by qualified persons. No beach nourishment material will be deposited within 10 feet of vegetation containing heron nests. Dredge pipe will not run through or within 10 feet of any heron nests.
- **The Narrows (NSN)** Nourishment will affect an area of 25,000 ft² above the mean high tide line. This project was reviewed by NHESP file # 97-1666 and has been determined that it is within the actual habitat of piping plovers. 45,000 ft² of beach nourishment area along the Nantucket Sound will be at a 10:1 slope to provide habitat for plovers. Over the short duration of construction activities (3 days), work will be monitored by qualified monitor.
- **Dike Bridge (NSDB)** Nourishment site, will affect 21,000 ft² above the mean high tide line on over the sand roads. This project was reviewed by NHESP file # 97-1562. Disturbance to marsh vegetation will be avoided in an effort not to disturb the adult and chick foraging areas.

2. EDGARTOWN HARBOR

Dredging:

The total maintenance dredging volume of the seven areas in Edgartown Harbor is 44,015 yd³. Dredging will be done by hydraulic dredge. Maintenance dredging of these channels is vital to maintain access for commercial and recreational shell fishermen, maintain shellfish habitat, navigation and public safety, and for beach nourishment.

- **Eel Pond channel and ramp** consist of maintenance dredging 3,200 yd³ of sediment to -4 ft MLW over a 59,000 ft² area, and also 800 yd³ of sediment to a depth of -2.5 ft MLW over an area of 10,000 ft² in the ramp area. There will be no dredging in eelgrass beds. There are no shellfish located in any of the project areas.

- **Lighthouse Point** is maintenance dredging of 8,400 yd³ of sediment to a depth of -7 ft MLW over an area of 50,990 ft², at the entrance to Edgartown Harbor for navigation safety.
- **Inner Harbor** is maintenance dredging of 8,500 yd³ of sediment over an area of 113,000 ft² to a depth of -6 ft MLW in the mooring area off Chappaquiddick Point to maintain navigation for commercial and recreational vessels.
- **Collins Beach** is maintenance dredging of 2,150 yd³ of sediment to a depth of -6 ft MLW to maintain navigation for commercial and recreational vessels.
- **Calebs Pond Channel** is maintenance dredging of 8,400 yd³ of sediment over an area of 92,000 ft² to a depth of -4 ft MLW to maintain navigation to the Pond for commercial and recreational shellfishing.
- **Katama Boat Ramp** is maintenance dredging of 9,390 yd³ of sediment to a depth of -5 ft MLW to maintain the area around the boat ramp and a navigation channel.
- **Katama Channel** is maintenance dredging of 3,975 yd³ of sediment over an area of 50,094 ft² to a depth of -5 ft MLW to maintain navigation for commercial, recreational and emergency vessels.

Beach Nourishment:

For all five nourishment sites, dredged sand will be placed as beach nourishment material on previously permitted beaches, above mean high water. Nourishment will provide storm protection and habitat for endangered shorebirds. Silt barriers will be placed to protect salt marsh in the nourishment areas required by the Conservation Commission Order of Conditions. Dredged material will be dewatered on the beach. Placement of dredge pipes will be coordinated with Conservation Commission and/or Sheriff's Meadow. Efforts shall be made to minimize the impact of dredge pipes on beach vegetation. Any vegetation disturbed by placement of dredge pipe shall be replanted in coordination with the Conservation Commission. To comply with TOY restrictions, disposal will only take place between Nov 1 and April 1 to minimize any adverse effect on nesting shorebirds. Unless otherwise noted, beach slope will be 10:1 for shorebird habitat.

- **Eel Pond (NSEP)** nourishment area is adjacent to the dredge area and owned by Sheriff's Meadow. Private eroding beaches, also adjacent to the dredge area, will be available for renourishment if, in consultation with Sheriff's Meadow that its beach area is not available. 1,800 yd³ of dredged material will be placed below the HTL over an area of 19,500 ft² and 1,400 yd³ of dredged material will be placed above HTL over an area of 9,700 ft². This project was reviewed by NHESP file # 97-1566 and was determined to be within plover and Least Tern nesting habitat. Slope of the Sheriff's Meadow Beach is 10:1. Private Beaches were reviewed by

NHESP file# 06-21069. There is no known nesting taking place in this area. Monitoring will be required if species are found.

- **Fuller Beach (NSFB)** nourishment area is a barrier beach. It was reviewed by NHESP file # 98-3287, and was determined to be within the actual habitat of endangered shorebirds. Nourishment will be placed above MHW at a slope of 10:1 to maintain habitat for endangered shorebirds.
- **A-D, F (NSA-D,F) and (NSE)** nourishment sites are located on separate beach areas in Edgartown Inner Harbor. Nourishment will be placed landward of MHW of the nourishment sites.
- **(NSNB)** nourishment area at Norton Beach is located at the southern edge of Katama Bay. Material will be placed above MHW. Slope will be 10:1 for shorebird habitat. Reviewed by NHESP file # 02-10721

3. EDGARTOWN GREAT POND

Dredging:

Total maintenance dredge volume for the four dredging projects in Edgartown Great Pond is 25,900 yd³. The dredged material will be used for beach nourishment. Maintenance dredging of these channels is vital to navigation and tidal pond flushing. There are no eelgrass beds or shellfish located in the project areas. Great Pond Channel excavation may occur between April 1 and July 31 with approved monitoring of shorebirds and in consultation with Conservation Commission. Work will be done under the supervision and conditions set forth by the Conservation Commission Order of Conditions, SE 20-868, SE 20-854, SE 20-911, SE 20-809, 20-818.

- **Great Pond Ramp** project is to hydraulically dredge 500 yd³ to maintain the navigation area at a Town owned boat ramp known as Wilson's Landing.
- **Great Pond Channel** project is for maintenance excavation/dredging of 9,800 yd³ in the channel at the outlet to the Atlantic Ocean to enhance tidal flushing and improve marine fisheries habitat within the Pond.
- **Sluiceway Approach** project is for maintenance dredging of 9,800 yd³ of sediment to maintain the approach to the Herring Creek restored sluiceway and fish run.
- **Herring Creek Restoration** Project is for maintenance dredging of 5,800 yd³ of sediment to maintain a restored historic anadromous fishway from Katama Bay through Herring Creek and Crackatuxet Pond to Edgartown Great Pond, using a combination of hydraulic and mechanical dredging. Some maintenance excavation will be carried out using conventional construction equipment operating from the

beach, bank or dune. Where necessary invasive nuisance species will be removed, by hand if possible, and disturbed areas will be replanted with native species.

Beach Nourishment:

All material appropriate for beach nourishment will be placed above the MLW. No beach nourishment shall occur from April 1 to August 31 for the protection of shore birds. Slope will be set at 10-1 and there will be no planting on the beach for the maintenance of shorebird habitat

- **(SBNS)** South Beach is the permitted nourishment site for dredged materials from the Sluiceway Approach, Great Pond Channel and compatible material from the Herring Creek Restoration. Material will be pumped through a pipeline and pumped directly onto the beach. For Herring Creek Restoration project, the material suitable for beach nourishment will be placed into trucks and transported to the permitted South Beach (SBNS), barrier beach renourishment area and placed landward of MHW. Any invasive nuisance vegetation will be disposed of upland.
- **(BRNS)** Great Pond Boat Ramp (Wilson's Landing) disposal area will be used for the Boat Ramp project only and disposal will occur only when the Pond is low, on Town beach adjacent to the Ramp and under supervision of the Conservation Commission.

4. SENGEKONTACKET POND

Dredging

Four areas in Sengekontacket Pond are permitted for maintenance dredging of 130,500 yd³ to be used for beach nourishment on the barrier and coastal beaches.

- **Borrow Area #1** is permitted to dredge 67,000 yd³ of sediment over an area of 720,000 ft² to a depth of -3 ft MLW.
- **Borrow Area #2** is permitted to dredge 2,500 yd³ of sediment over an area of 147814 ft² to a depth of -3 ft MLW.
- **Little Bridge Outside Channel** is permitted to dredge 4,000 yd³ of sediment over an area of 12,000 ft² to a depth of -5 ft MLW.
- **Sengekontacket Inside Channel** is permitted to dredge 57,000 yd³ of sediment over an area of 832,000 ft² to a depth of -5 ft MLW.

Beach Nourishment

The four permitted nourishment areas are part of the barrier beach system and are all important for storm and flood protection for the barrier and coastal beaches, roads and infrastructure. Severe winter storms make erosion a constant issue. All projects are designed to maintain and enhance endangered shorebird habitat. Recreational value is enhanced on the very popular public beaches.

- **(SBNS)** Sylvia State Barrier Beach requires nourishment to provide storm protection for the State Highway and Sengekontacket Pond. Temporary groins were installed as part of the 1997 Beach Road Erosion Control project. These groins help control the rate of erosion and need to be maintained. Dukes County and the Barrier Beach Task Force have implemented a Beach Management program to monitor the beach erosion at Sylvia and the need for maintenance. ***Under Amendment 1 SBNS will be nourished below MHW.***
- **(BITRNS)** Bend in the Road is part of the barrier beach system protect Sengekontacket Pond and the State Highway. This popular Town beach was recently restored and will need to be maintained. Dunes were restored and habitat for endangered species was created. ***Under Amendment 1 BITRNS will be nourished below MHW.***
- **(CBNS)** Cow Bay Dunes is maintenance of badly eroded dunes on private beaches. Trapps Pond and upland infrastructure are protected by these dunes. Habitat for endangered shorebirds was created and will need to be maintained. ***Under Amendment 1 CBNS will be nourished below MHW – NSCBF (#22).***
- **Pay Beach and Inkwell beach** are also included as beach nourishment sites.

Future Projects: (see Condition No. 9)

The following projects have not received the necessary permits/certification to conduct the work. By including these future projects in the 401 application, they are eligible to be part of the comprehensive WQC in pursuant to 314 CMR 9.09(b).

Edgartown Harbor

- Eel Pond Alternate #2 beach nourishment (private)*
- Gardner Property (Alternate)*

Great Pond

- Butlers Cove Alternate Disposal (private) – NSBC (#16)*

Sengekontacket Pond

- Future dredge in Sengekontacket - Future #1A)**
- Future Dredge Outside Sengekontacket - Future (#2)**
- Cow Bay Future Nourishment (Private) – NSCBF (#22) below MHW* (***implemented under the October 25, 2010 Amendment 1***)

* Amendment must document beach nourishment compatibility

** Information required in the amendment is same as the 401 WQC application

Proposed project: This project entails implementation of the Town of Edgartown and Oak Bluff's maintenance dredging and beach nourishment plan. The Plan is a comprehensive effort to consolidate and manage existing dredge and beach nourishment sites within both Towns. The project is designed to provide the Town with more effective ways to manage these ongoing maintenance beach nourishment and dredging activities. Under this proposal, dredged material from any one of the permitted dredge sites can be used as nourishment material at any one of the permitted nourishment sites providing the dredged material is compatible as beach nourishment material (Condition 7c and 12).

The total volume of maintenance dredging is approximately 216,605 yd³ at various waterways (hence after referred as areas) and an allowance of one foot overdredge. Dredging will be done by the Town owned hydraulic dredge and piped the sediment slurry directly onto the beach nourishment locations.

Table 1- Edgartown Beach Nourishment Projects Summary (November 4, 2009)

Nourishment Areas	Total ft²	Above HTL	MHW-HTL	MLW-MHW	Above MHW	Below MHW
Cape Pogue (Elbow/Gut)	148,000	148000				
Narrows (Trails/beach)	86000				86,000	
Dike Bridge (OVR Trails)	21000	21000				
Eel Pond Barrier Island, Beach	217,000	50000				167000
Eel Pond Froelich (Private)	29200	9700	19500			
Lighthouse (Fuller) Beach	82,000				74580	7420
Area "E" (Private)	68,500	50,000	5700	12800		
Area "A-"D", "F" (Private)	93230	27375	8575	20300		36710
Norton Point	153,500	153500				
South Beach	213,630	85640	72143	55,847		
Great Pond Ramp	10,270	10270				
Bend in the Road Beach	71874	23957				47917
Cow Bay Dunes (Private)	175113				175113	
Sylvia State Beach	484,027	464749				19278
Total Area, ft²	1,853,344	1,044,191	105918	88947	335693	278325

Table 1A- Edgartown Beach Nourishment Projects Summary (September 2010 Amendment 1)

Nourishment Areas	Total ft²	Above HTL	MHW-HTL	MLW-MHW	Above MHW	Below MHW
Cape Pogue (Elbow/Gut)	148,000	148,000				
Narrows (Trails/beach)	86,000				86,000	
Dike Bridge (OVR Trails)	21,000	21,000				
Eel Pond Barrier Island, Beach	217,000	50,000				167,000
Eel Pond Froelich (Private)	29,200	9,700	19,500			
Lighthouse (Fuller) Beach	82,000				74,580	7,420
Area "E" (Private)	68,500	50,000	5,700	12,800		
Area "A-"D", "F" (Private)	93,230	27,375	8,575	20,300		36,710
Norton Point	153,500	153,500				
South Beach	213,630	85,640	72,143	55,847		
Great Pond Ramp	10,270	10,270				
Bend in the Road Beach	71,874	23,957				47,917
Cow Bay Dunes (Private)	447,086				175,113	271,973
Sylvia State Beach	492,057	464,749				26,308
Total Area, ft²	2,132,347	1,044,191	105,918	8,8947	335,693	557,328

Table 2 - Edgartown Salt Pond Dredging Projects Summary

Dredge Sites	ft²	yd³	Project areas
Borrow Area #1	720,000	67000	Sengekontacket Pond (Edgartown)
Borrow Area #2	147,814	2500	Sengekontacket Pond (Oak Bluffs)
Inner Channel	150,000	57000	Sengekontacket Pond (Oak Bluffs)
Great Pond	253,186	19,600	Channel, Sluiceway,
Herring Creek Restoration	15,000	5,800	Herring Creek
Great Pond Ramp	3,415	500	Wilson's Landing
Total	1,289,415	152,400*	

* Volume does not include one foot overdredge allowance

Table 3 - Edgartown Land Under Ocean Dredging Projects Summary

Dredge Sites	ft ²	yd ³	Project areas
Little Bridge	12,000	4000	Sengekontacket Pond (Oak Bluffs)
Eel Pond (EP)	59,000	3200	Ramp, Channel,
Cape Pogue	228,500	16190	Narrows, Gut, Dyke Bridge, Outer Channel
Inner Harbor	239,690	27450	Harbor, Lighthouse, Collins, Calebs Pond
Katama Bay	147,834	13365	Ramp and channel, Katama Bay
Total (ft ²)	705,325	64205*	

* Volume does not include one foot overdredge allowance

Table 4 - Summary of Time-of-Year (TOY) Restriction
Edgartown Maintenance Dredging and Beach Nourishment

Dredge Site	Feature ¹	Winter Flounder TOY 1/15-5/31	Diadromous TOY Alewife 4/1-6/15 Blueback 4/1-6/30 American shad 5/1-7/15 White Perch 4/1-6/15	Horseshoe Crab TOY 5/1 – 6/30
Borrow Area # 1 (#13)	Embayment	Y	Y (alewife)	N
Borrow Area # 2 (#14)	Embayment	Y	Y (alewife)	N
Great Pond Channel (15)	Embayment	N	Y (alewife/shad/perch)	N
Great Pond Sluiceway(16)	Inlet	N	Y (alewife/shad/perch)	N
Great Pond Sea. Excavation (15)	Inlet	N	Y (alewife/shad/perch)	N
Herring Creek Dredging (17)	Embayment	N	Y (alewife/shad/perch)	N
Herring Creek Exc. (18)	Embayment	N	Y (alewife/shad/perch)	N
Great Pond Ramp (18)	Embayment	N	Y (alewife/shad/perch)	N
Gut (1)	Embayment/Inlet	Y	N	N
Narrows (2)	Embayment	Y	N	unknown
Dyke Bridge Approach(3)	Embayment	Y	N	unknown
Eel Pond (4)	Embayment	Y	N	N
Eel Pond Ramp (5)	Embayment	Y	N	N
Lighthouse (6)	Inlet	Y	N	Y
Inner Harbor (7)	Embayment/Inlet	Y	Y (alewife)	N
Collins Beach (8)	Embayment	Y	N	N
Calebs Pond (9)	Inlet	Y	N	N
Katama Bay Ramp/Channel (10)	Embayment	Y	N	Y
Katama Bay (11)	Embayment	Y	N	Y
Little Bridge (12)	Inlet	Y	Y (alewife/blueback)	N
Future Site # 1	Embayment	Y	Y (alewife/blueback)	N
Future Site # 2	Inlet	Y	N	N
Future Site # 3	Approach	N	N	N
Norton Point (14)				5/1-7/31
Lighthouse Beach (10)				5/1-7/31
Cape Pogue Narrows (3)				unknown

¹ The first component of the TOY Guidelines project requires defining Approach Channel, Inlet Channel, and Embayment Features. These features have not been formally drawn for Edgartown. But based on the information presented, DMF has tentatively identified the Feature-type for each of the sites.

Table 5 – Summary Plans
Edgartown Maintenance Dredging and Beach Nourishment

	Plan Title	Prepared By	Signed/Stamped	Final Revision
Cape Pogue Gut	Dredging Plan for the Gut	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Narrows	Dredging Plan for the Narrows	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Dike Bridge	Dredging Plan for Dike Bridge	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Eel Pond	Dredging Plan for the Eel Pond Areas	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Lighthouse	Dredge Plan in Edgartown Harbor at Edgartown Lighthouse	CLE Engineering	John DeRuggeris	10/15/98
Inner Harbor	Proposed Maintenance Dredging in Edgartown at Inner Harbor	Bourne Consulting	Danni Goulet	9/10/99
Collins Beach	Proposed Maintenance Dredging in Edgartown Harbor at Collins Beach	Bourne Consulting	Danni Goulet	1/4/00
Calebs Pond	Proposed Dredging Plan in Calebs Creek, Edgartown Harbor	CLE Engineering	Carlos Pena	1/21/04
Katama Boat Ramp	Proposed Dredging Plan in Katama Bay, Edgartown Harbor	CLE Engineering	John DeRuggeris	7/8/98
Katama Bay	Katama Bay Navigational Channel	Bourne Consulting	Joseph Hanlon	4/4/02
Sluiceway Approach	At Sluiceway Approach	Bourne Consulting	Danni Goulet	5/22/01
Herring Creek Restoration	Great Pond/Herring Creek Restoration	Bourne Consulting	Joseph Hanlon	9/05/02
Boat Ramp	Great Pond Boat Ramp Dredge/Disposal	Bourne Consulting	Danni Goulet	10/01/01
Borrow Area#1	Plans Accompanying Petition of Mass Highway Department for Waterways License	Mass Highway Dept.	Thomas Broderick	8/1996
Borrow Area#2, Little Bridge	Plans Accompanying Petition of Mass Highway Department for Waterways License	Mass Highway Dept.	Thomas Broderick	8/1996
Little Bridge	Sengekontacket Pond Dredging Edgartown and Oak Bluffs	Mass Highways		4/5/93
Cape Pogue Elbow	Dredging Plan for the Gut	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Narrows	Dredging Plan for the Narrows	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Dike Bridge	Dredging Plan for Dike Bridge	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997

	Plan Title	Prepared By	Signed/Stamped	Final Revision
Eel Pond	Dredging Plan for the Eel Pond Areas	Schoefield, Barbini & Hoehn	R Barbini	4/10/1997
Eel Pond	Repair Groins and Beach Nourishment	Bourne Engineering	Danni Goulet	11/18/98
Fuller Beach	Proposed Beach Nourishment and Future Nourishment	CLE Engineering	John DeRuggeris	10/15/98
Calebs Pond A,B,C,E	Calebs Pond Disposal Area Volume/Area Determination	Schoefield, Barbini & Hoehn	Richard Barbini	10/04/03
Calebs Pond F	Nourishment Plan	Bourne Engineering	Joseph Hanlon	10/5/05
Norton Beach	Proposed Conditions at Norton Beach	Bourne Engineering	Joseph Hanlon	2/24/3
Norton Beach	Plan View of Proposed Disposal Site/Beach Nourishment Area (Boat Ramp)	CLE Engineering	John DeRuggeris	7/8/98
South Beach	Site Plan Beach Nourishment at South Beach	Bourne Engineering	Danni Goulet	6/13/00
Sylvia State Beach	Plans Accompanying Petition of the Massachusetts Highway Department for Waterways License	Mass Highway Dept	Thomas Broderick	8/1996
Boat Ramp	Great Pond Boat Ramp Dredge/Disposal	Bourne Consulting	Danni Goulet	10/01/01
Bend in the Road	Bend in the Road Beach Nourishment	Woods Hole Group	Kirk Bosma	4/21/08
Cow Bay	Dune Design for Cow Bay Beach	Woods Hole Group	Kirk Bosma	10/02/08
Sylvia State and Cow Bay Beaches	<i>Proposed Beach Nourishment for Sylvia State and Cow Bay Beaches 12 sheets (below MHW)</i>	<i>Woods Hole Group</i>		<i>8/11/2010</i>

1. *No beach nourishment at Sylvia State and Cow Bay Beach between April 1st and September 1st of any year.*

All work authorized herein shall in the locations shown and to the dimensions indicated in the permit plans in **Table 5 – Summary Plans Edgartown Maintenance Dredging and Beach Nourishment.**

STANDARD WATERWAYS PERMIT CONDITIONS

1. Acceptance of the 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 applicable authorizations necessitated due to the provisions hereof shall be secured by the Permittee prior to the commencement of any activities authorized pursuant to this Permit.
3. This Waterways Permit shall be revoked 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 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 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 cost 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 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 a 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 hydraulic methods.
2. Dredging shall be to depths and volumes indicated in **"Summary of Dredging and Beach Nourishment Projects"** and as indicated on **"Table 1- Edgartown Beach Nourishment Projects Summary"**, *Table 1A -Edgartown Beach Nourishment Projects Summary (September 2010 Amendment I)*, **Table 2 – Edgartown Salt Pond Dredging Projects Summary"**, **"Table 3 – Edgartown Land Under Ocean Dredging Projects Summary"** and in accordance with **"Table 5- Summary Plans Edgartown Maintenance Dredging and Beach Nourishment"**.
3. In order to protect fisheries resources, as indicated on **"Table 4 – Summary of Time of Year (TOY) Restrictions Edgartown Maintenance Dredging and Beach Nourishment"**, the Permittee shall comply with the TOY restrictions as indicated on the table or as may be specified by the MA Division of Marine Fisheries(MDMF).
4. Work in waters and wetlands shall conform substantially to plans submitted in application to this Department, as summarized in **"Table 5"**. 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 of change, prior approval by the Department may be required.
5. The Department shall be notified, attention Mitch Ziencina 508-946-2734, or David Hill at 508 946-2730 one week prior to the annual start of in-water work so that Department staff may inspect the work for compliance with the terms and conditions of this Permit.
6. Future maintenance dredging may be conducted as necessary for the duration of this Permit, provided that:
 - a. the initial project and any subsequent dredging has been conducted satisfactorily with no violations of the terms and conditions of this Permit,
 - b. if the dredged material is not used as beach nourishment material, information is submitted to the Department regarding final end use/disposal of the dredged material for its prior review and approval. Under no circumstances can future maintenance dredging commence without obtaining approval from the Department.
 - c. **documentation** is provided to the Department that the grain-size distribution of the sediment to be dredged is compatible with the grain-size distribution of the approved receiving beach(es) in accordance with the document entitled Beach Nourishment, Mass DEP's Guide to Best Management Practices for Projects in Massachusetts, March 2007,

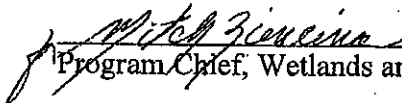
- d. a due-diligence evaluation is conducted to determine that no known spills of oil or other toxic substances have occurred which could have contaminated the sediment in the dredge area since the last dredging occurred.
 - e. the total volume of future maintenance dredging does not exceed 200,000 cubic yards in any dredging event.
 - f. the Department is notified prior to commencement of the annual maintenance dredging in accordance with Special Condition No. 5.
 - g. the Department is notified of any problem related to the dredging and nourishment activities in accordance with Special Condition No. 15.
 - h. the applicant submits notification to the DEP taking into consideration the TOY restrictions recommended by the MDMF and MA Natural Heritage Endangered Species Program (NHESP) so as to comply with the TOY restrictions and NHESP conditions.
7. The applicant shall comply with the conditions set forth by NHESP and submit an amendment request to the Department if there are any changes to the conditions.
8. Right of public access shall be provided for beach nourishment projects on private beaches in accordance with 310 CMR 9.40(4).
9. For future work identified on page 16 of the Permit application, information needed for the required amendment shall be equivalent to that required for a Chapter 91 application.
10. Best Management Practices (BMPs) such as a dewatering trench or basin shall be implemented at the beach nourishment locations to minimize sediment slurry from flowing back to the receiving water body.
11. At the end of each dredging season, a dredging and beach nourishment activities summary report shall be prepared and submitted to the Wetlands and Waterways Program, Southeast Regional Office, in Lakeville. At a minimum, the summary shall include, but not be limited to, dredge volume and locations, beach nourishment locations, compatibility of grain-size distribution of the dredged material with the grain-size distribution of the receiving beach based on current gradation analysis, findings of an updated due diligence evaluation, valid Order of Conditions. The annual summary report shall be submitted to the Department no later than March 1st of the following year.
12. A minimum of 25 feet shall remain unaltered between the edge of vegetated wetlands, salt marsh or vegetated shallows (i.e. eelgrass), and seaward edge of the top of the slope of the dredging area.
13. Maintenance dredging shall not occur during the TOY as indicated on "Table 4" and as specified in Special Condition 3.
14. If the site is located within the Priority Habitats of Rare Species, Estimated Habitats of Rare Wildlife, in accordance with the Massachusetts Natural Heritage Atlas, 13th Edition. As summarized in the Historical Dredging/Nourishment Permits Section below the Permittee shall comply with the conditions set forth by the MA Division of Fisheries & Wildlife, Natural

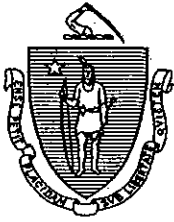
Heritage & Endangered Species Program (NHESP) for the approved beach nourishment locations. Special Condition No. 6 requires the applicant to comply with the conditions set forth by NHESP.

15. If at any time during implementation of the project incidents occur relating to the dredging activities which impact surrounding resource areas and habitats such as, but not limited to, observed dead or distressed fish, aquatic organisms, observation of oily sheen on surface water, sediment spill, turbidity plume beyond the deployed BMP's, barging or equipment accident/spills all site related activities impacting the water shall cease until the source of the problem is identified and mitigating measure employed. The DEP shall be notified verbally and in writing within 24 hours of the occurrence. The dredge/beach nourishment shall not commence until the DEP is satisfied that the mitigation measures implemented have adequately addressed impacts from the incident.

16. Within 30 days of the completion of each dredging area, a bathymetric survey of the dredged area depicting post-dredge conditions, shall be included in the annual dredging report and sent to the Wetlands and Waterways Program in the Southeast Regional Office in Lakeville.

DEPARTMENT OF ENVIRONMENTAL PROTECTION


Program Chief, Wetlands and Waterways



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 25, 2010

Shelly O'Neil
Town of Edgartown/Oak Bluffs
P.O. Box 3413
Edgartown, MA 02539

Re: **EDGARTOWN COMPREHENSIVE 401 WATER QUALITY CERTIFICATION
Amendment #1**
Application for BRP WW 07, Major project dredging

At: Edgartown Waterways, EDGARTOWN/OAK BLUFFS

Comprehensive 401 WQC Transmittal No: X228327
ACoE Application No:

Dear Ms. O'Neil:

The Department has reviewed your September 2010 amendment request for an Edgartown Comprehensive 401 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 Edgartown are designated in the Massachusetts Surface Water Quality Standards as Class SA water. Such waters are intended "as excellent 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."

Summary of Amendment No. 1*

Beach nourishment at Sylvia State Beach and Cow Bay Beach – below Mean High Water

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD# 1-866-539-7622 or 1-617-574-6868.

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

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Sylvia State Beach- 7,030 ft²
Cow Bay Beach – 271,973ft²

* *Amendment No.1 scope of work is highlighted in bold, italic and underlined*

Background: The Town of Edgartown and Oak Bluffs have conducted maintenance dredging of their waterways under various Waterway Permits, Water Quality Certifications (WQC), Order of Conditions (OoCs) and 404 Permits. There are currently 17 permits/certificates for dredging and 18 permits for beach nourishment. Although the permitting process of maintenance dredging and sand management is “manageable”, the Edgartown Dredge Advisory Committee (EDAC) desired to have a long range master plan for dredging and dredging management. The Master Plan was completed in March 27, 1996. The plan was incorporated into the Edgartown Harbor Plan, which was approved by the Secretary of Environmental Affairs on October 28, 1997. In 2003, the EDAC updated and revised the master plan. With voter’s approval, the Town purchased/leased its own Ellicott 370 dredge and related equipment.

The EDAC is once again updating and revising the Master Plan and one component of the update is a 10 year comprehensive dredging permit. The objective of the 10 year comprehensive dredge permit is to provide flexibility for the Town to manage the dredging/nourishment activities.

Historical Dredging/Nourishment Permits:

I. Cape Pogue:

The Gut and Nourishment area NSELB

Cape Pogue North Gut A&B – NSNG (#2)

Cape Pogue Elbow C-G – NSELB (#1)

- | | |
|--------------------------------|-------------------|
| • Order of Conditions SE20-655 | issued 04/07/1997 |
| • DEP Ch. 91 permit# 320 | issued 10/17/2007 |
| • DEP WQC T# 123381 | issued 10/03/1997 |
| • ACOE NAE-2004-3801 | issued 01/26/2005 |
| • NHESP 97-1566 | |
| • Dredged 1998, 2003, 2006 | |

The Narrows and Nourishment area

Cape Pogue Narrows Trails – NSNT(#3)

Cape Pogue Narrows Beach – NSNB(#4)

- | | |
|--------------------------------|-------------------|
| • Order of Conditions SE20-653 | issued 04/07/1997 |
| • DEP Chp91 permit# 322 | issued 10/17/1997 |
| • DEP WQC T# 122716 | issued 10/03/1997 |
| • ACOE NAE-2004-3803 | issued 01/26/2005 |
| • NHESP 97-1666 | |
| • Dredged 1998, 2003, 2006 | |

Dike Bridge Approach and Nourishment area:

Cape Pogue Dike Bridge (ORV Trails) – NSDB (#5)

- Order of Conditions SE20-651 issued 04/07/1997
- DEP Ch. 91 Permit# 323 issued 10/17/1997
- DEP WQC T# 125062 issued 10/03/1997
- ACOE NAE-2005-3802 issued 01/26/2007
- NHESP 97-1562
- Dredged 1998, 2003, 2006

Cape Pogue Pond Outside Channel:

- Order of Conditions SE3-3743 issued 01/13/2009
- DEP Ch. 91 Permit # 12492 issued 09/09/2009
- DEP WQC# X228095 issued 08/31/2009

II. Edgartown Harbor:

Eel Pond and Eel Pond Ramp

Eel Pond Barrier Island – NSEBI (#6)

Eel Pond Barrier Beach – NSEPBB(#7)

Eel Pond Alternate Froelich (Private) – NEPALT(#8)

- Order of Conditions SE20-654 issued 04/07/1998
- DEP Ch. 91 Permit# 321 issued 10/17/1997
- DEP Ch. 91 Permit# 370 issued 01/21/1999
- DEP WQC T# 122151 issued 10/03/1997
 - Amended 12/31/1998
- ACOE NAE-2006-3245 issued 08/24/2007
- Dredged 1999, 2000, 2004, 2007

Lighthouse

- Order of Conditions SE20-723 issued 06/30/1998
- DEP Ch. 91 Permit # 358 issued 12/29/1998
- DEP WQC T# 125423 issued 09/21/1998
 - Amended T#121066 issued 12/14/1998
- ACOE NAE-2005-3805 issued 08/24/2007
- Dredged 1999

Inner Harbor

- Order of Conditions SE20-774 issued 06/30/1999
- DEP Ch. 91 Permit# 383 issued 10/25/1999
- DEP WQC T# W995749 issued 10/01/1999
- ACOE NAE-2004-3804 issued 01/26/2005
- Dredged 2002

Collins Beach

- Order of Conditions SE20-770 issued 5/27/1999
- DEP Ch. 91 Permit# 384 issued 2/24/2000
- DEP WQC T# W003958 issued 2/26/2000
- ACOE CENAE-CO-R-199901569 issued 1/21/2000
- NHESP 99-4950
- Dredged 2001,2002,2003

Calebs Pond

Nourishment Site E (Private) – NSE (#12)

Nourishment Site A-D, F (Private) – NSA-D, F (#13)

- Order of Conditions SE20-989 issued 08/04/2004
 - Amended 12/11/2005
- DEP Ch. 91 Permit# 10128 issued 02/08/2005
 - Amended 10/24/2005
- DEP WQC T# W053604 issued 01/12/2005
- ACOE NAE-2004-114 issued 03/26/2006
- EOEA#13263
- Dredged 2006

Katama Boat Ramp and Channel

- Order of Conditions SE20-722 issued 06/30/1998
- DEP Ch. 91 Permit# 359 issued 10/01/2008
- DEP WQC T# 125429 issued 09/17/1998
- ACOE #200301586 issued 11/26/2003
- Emergency Authorization issued 09/14/2009
- Dredged 1999, 2005,

Katama Bay

- DEP Ch. 91 Permit# 9869 issued 01/28/2009
- Order of Conditions SE20-949 issued 08/28/2003
- DEP WQC T# W040597 issued 12/22/2003
- ACOE 200301586 issued 11/26/2003
- EOEA 12823
- Dredged 2005

Norton Point Nourishment Site

- DEP Ch. 91 Permit# 9869 issued 01/28/2004
- NHESP 02-10721

Private Beach Nourishment sites A-F

- DEP Ch. 91 Permit# 10128 issued 02/08/2005
 - Amended issued 10/24/2005
- DEP Ch. 91 Permit# 383 issued 10/25/1999
- DEP Ch. 91 Permit# 384 issued 02/24/2000

Fuller Beach Nourishment site

- DEP Ch. 91 Permit # 383 issued 10/25/1999
- DEP Ch. 91 Permit # 358 issued 12/29/1998
- NHESP 98-3287

Eel Pond Nourishment

- DEP Ch. 91 Permit # 370 issued 01/21/1999
- NHESP 97-1667

III. Edgartown Great Pond:

Great Pond Boat Ramp (Wilson's Landing)

Great Pond Ramp Nourishment – NSGRP (#17)

- Order of Conditions SE20-868 issued 11/19/2001
- DEP Ch. 91 Permit# 9534 issued 11/20/2002
- DEP WQC T# W026369 issued 11/12/2002
- ACOE NAE-2005-407
- Not dredged

Great Pond Channel/Seasonal Excavation

- Order of Conditions SE20-809 issued 07/27/2000
- Order of Conditions SE20-818 issued 12/14/2000
- DEP Ch. 91 Permit # 405 issued 10/13/2000
- DEP Ch. 91 Permit# 11751 issued 03/28/2007
- DEP WQC T# W012990 issued 10/03/2005
- ACOE 200001739 issued 12/29/2005
- EOEA 12265
- Dredged 2001,2002,2004

Great Pond Sluiceway Approach

- Order of Conditions SE20-854 issued 08/10/2001
- DEP Ch. 91 Permit# 9174 issued 01/24/2002
- DEP WQC T# W21487 issued 11/17/2006
- ACOE NAE-2005-40848 issued 12/19/2005
- Dredged 2001, 2002, 2004

Herring Creek Restoration

- Order of Conditions SE20-911 issued 12/19/2002
- DEP Ch. 91 License# 9569 issued 02/27/2003
- DEP WQC T# W031738 issued 12/17/2002
- ACOE NAE-2005-4048 issued 12/19/2005
- NHESP 02-10618
- EOEA 12580

- CZM 2/25/03
- Dredged, 2004

South Beach Nourishment Area

- DEP Ch. 91 Permit# 9174 issued 01/24/2002
- DEP Ch. 91 License# 9569 issued 02/27/2003
- DEP Ch. 91 Permit# 11751 issued 03/28/2007
- NHESP 99-5501

IV. Sengekontacket Pond:

Borrow Area #1

- Order of Conditions SE20-1111 issued 04/27/2007
- DEP Ch. 91 Permit # 11859 issued 07/30/2007
 - revised issued 10/15/2008
- DEP WQC T# W075131 issued 06/27/2007
- ACOE NAE-2006-3749 issued 05/29/2007
- Dredged 1997, 2008
- EOEA 6386

Borrow Area #2

- Order of Conditions SE53-0520 issued 07/05/2007 Oak Bluffs
- Order of Conditions SE20-1111 issued 04/27/2007
- DEP Ch. 91 Permit# 11859 issued 07/30/2007
 - revised issued 10/15/2008
- DEP WQC T# W075131 issued 06/27/2007
- ACOE NAE-2006-3749 issued 05/29/2007
- EOEA 6386
- Dredged 1997

Little Bridge

- Order of Conditions SE53-0520 issued 07/05/2007 Oak Bluffs
- DEP Ch. 91 Permit# 11859 issued 07/30/2007
 - revised issued 10/15/2008
- DEP WQC T# W075131 issued 06/27/2007
- ACOE NAE-2006-3749 issued 05/29/2007
- EOEA 6386
- Dredged Yearly

Sengekontacket Pond Inner Channel

State Beach Alternate – NSSB (#20)

Sylvia Beach, Pay Beach, Inkwell Beach

- Order of Conditions SE53-0520 issued 07/05/2007 Oak Bluffs
- DEP Ch. 91 Permit# 12540 issued 08/25/2009 Oak Bluffs

- DEP WQC #228786 issued 08/10/2009 Oak Bluffs

Sylvia State Beach

- Order of Conditions SE53-0520 issued 07/05/2007 Oak Bluffs
- Order of Conditions SE53-0572 revised 07/2009
- DEP Ch. 91 Permit# 11859 issued 07/30/2007
 - revised issued 10/15/2008
- DEP WQC T# W075131 issued 06/27/2007
- ACOE NAE-2006-3749 issued 05/29/2007
- EOEA 6386
- NHESP 06-20947
- CZM 2/25/03
- Dredged 2004
- EOEEA NPC #14425 issued 09/10/2010
- ACOC NAE-2010-1627 issued 10/08/2010
- OOC SE20-1178 Amend issued 09/10/2010
- Comp. WQC Amendment 1 issued 10/25 /2010
Nourishment below MHW
- Ch. 91 Permit Amendment 1 issued 10/25/2010

Bend in the Road Beach

Cow Bay Nourishment above MHW

- DEP Ch. 91 Permit# 12217 issued 08/27/2008
- DEP WQC T# W075131 issued 08/22/2008 Amend #1
- ACOE NAE-2008-1616 issued 09/18/2008
- NHESP 07-23113,06-20624
- EOEA 14138
-

Cow Bay Beach Nourishment/Dune Restoration

- DEP Ch. 91 Permit# 11859 issued 10/15/2008 Upland only
- DEP WQC T# W075131 issued 11/28/2008 Amend #2
- NHESP 07-23113
- EOEA 14138
- EOEEA NPC #14425 issued 09/10/2010
- ACOC NAE-2010-1627 issued 10/08/2010
- OOC SE20-1178 Amend issued 09/10/2010
- Comp. WQC Amendment 1 issued 10/25 /2010
Nourishment (Private) – NSCBF (#22) below MHW
- Ch. 91 Permit Amendment 1 issued 10/25/2010

Future Projects: (see Condition No. 11)

The following projects have not received the necessary permits/certification to conduct the work. By including these future projects in the 401 application, they are eligible to be part of the comprehensive WQC in pursuant to 314 CMR 9.09(b).

Edgartown Harbor

- Eel Pond Alternate #2 beach nourishment (private)*
- Gardner Property (Alternate)*

Great Pond

- Butlers Cove Alternate Disposal (private) – NSBC (#16)*

Sengekontacket Pond

- Future dredge in Sengekontacket - Future #1A)**
- Future Dredge Outside Sengekontacket - Future (#2)**
- Cow Bay Future Nourishment (Private) – NSCBF (#22) below MHW* (implemented under the September 2010 Amendment request)

* Amendment must document beach nourishment compatibility

** Information required in the amendment is same as the 401 WQC application

Proposed project: This project entails implementation of the Town of Edgartown and Oak Bluff's maintenance dredging and beach nourishment plan. The Plan is a comprehensive effort to consolidate and manage existing dredge and beach nourishment sites within both Towns. The project is designed to provide the Town with more effective ways to manage these ongoing maintenance beach nourishment and dredging activities. Under this proposal, dredged material from any one of the permitted dredge sites can be used as nourishment material at any one of the permitted nourishment sites providing the dredged material is compatible as beach nourishment material (Condition 7c and 12).

The total volume of maintenance dredging is approximately 216,605 yd³ at various waterways (hence after referred as areas) and an allowance of one foot overdredge. Dredging will be done by the Town owned hydraulic dredge and piped the sediment slurry directly onto the beach nourishment locations.

Project Locations: There are four general locations:

- Cape Pogue Bay
- Edgartown Harbor
- Edgartown Great Pond
- Sengekontacket Pond

Maintenance dredging in Cape Pogue Bay consists of four dredge areas, the Gut, the Narrows, Dike Bridge Approach, and Outer Channel. There are three nourishment sites: Cape Pogue

Elbow (NSELB) and Gut Nourishment site, Dike Bridge (NSDB), Nourishment Site, the Narrows (NSN),

The Edgartown Harbor component consists of eight dredge areas: Eel Pond, Lighthouse, Inner Harbor, Collins Beach, Caleb's Pond, Katama Boat Ramp and Channel, and Katama Channel. There are 5 Beach nourishment sites: Eel Pond (EPNS), Fuller Beach (FBNS), Nourishment site "E" (NSE), Nourishment sites "A"- "D" (NSA-D), NBNS (Norton Beach).

The Edgartown Great Pond component consists of four maintenance dredging areas: Great Pond Ramp (Wilson's Landing), Great Pond Channel, Sluiceway Approach, and Herring Creek Restoration Project. Nourishment site is South Beach (SBNS).

Sengekontacket Pond component consists of four dredging areas: Borrow Area #1, Borrow Area #2, Little Bridge Outside Channel, and Sengekontacket Inner Channel. Nourishment sites are Sylvia State Beach (SBNS), Bend in the Road (BITRNS) Beach, Cow Bay Dunes (CBNS).

Summary of Dredging and Beach Nourishment Projects:

1. CAPE POGUE

Cape Pogue Dredging:

The Cape Pogue project is maintenance dredging for navigation and beach nourishment. The total maintenance dredging volume of the three areas in Cape Pogue Pond is 16,190 yd³. Dredging will be done by hydraulic dredge. Maintenance dredging of these channels is vital to navigation for commercial and recreational shellfishing and tidal pond flushing. There are no eelgrass beds or shellfish located in any of the project areas. There is eelgrass in the vicinity of the Gut, but not in the project area. Previous information received during the initial permitting has indicated that Winter flounder will not be impacted in the Narrows or the Dyke Bridge Approach. Due to the high current velocity in the area of the Gut, it is unlikely that winter flounder will spawn in the entrance channel. Work in the three project areas will occur between Nov 1 and March 15 to avoid adverse impacts nesting birds.

- **The Gut** is maintenance dredging of 9,900 yd³ of sediment to -2.5 ft MLW over 135,000 ft² area.
- **The Narrows** is maintenance dredging of 3,100 yd³ to -3 ft MLW over 48,500 ft² area.
- **Dike Bridge Approach** is maintenance dredging of 1,800 yd³ to -3 ft MLW over 21,000 ft² area.
- **Outer Channel** is maintenance/improvement dredging of 1,390 yd³ to -6 ft MLW over 20,000 ft² area.

Cape Pogue Beach Nourishment:

In coordination with Trustees of Reservations for all three nourishment sites, dredged materials will be placed as beach nourishment material above mean high water on previously permitted

barrier beaches, and over the sand roads.. Silt barriers will be placed to protect salt marsh in the nourishment areas as required by the Conservation Commission Order of Conditions and removed by April 15. Dredged sand shall be dewatered within a temporary dewatering basin prior to final placement on the beach. Placement of dredge pipes across the marsh will be coordinated with a minimal amount of disturbance. Efforts will be made to minimize the impact of dredge pipes on beach vegetation. Any vegetation disturbed by placement of dredge pipe shall be replanted in coordination with the Conservation Commission. Beach nourishment will only take place between Nov 1 and March 15 to minimize adverse effect of piping plovers.

- **Cape Pogue Elbow (NSELB) and North Gut (NSNG)** Nourishment area will affect 101,000 ft² of beach above the high tide line. This project was reviewed by NHESP file # 97-1566 and is determined to be **near** but not within plover and least tern nesting habitat. Prior to work, including the laying of pipe, the nesting sites of snowy egret and the black-crowned night heron will be demarcated by qualified persons. No beach nourishment material will be deposited within 10 feet of vegetation containing heron nests. Dredge pipe will not run through or within 10 feet of any heron nests.
- **The Narrows (NSN)** Nourishment will affect an area of 25,000 ft² above the mean high tide line. This project was reviewed by NHESP file # 97-1666 and has been determined that it is within the actual habitat of piping plovers. 45,000 ft² of beach nourishment area along the Nantucket Sound will be at a 10:1 slope to provide habitat for plovers. Over the short duration of construction activities (3 days), work will be monitored by qualified monitor.
- **Dike Bridge (NSDB)** Nourishment site, will affect 21,000 ft² above the mean high tide line on over the sand roads. This project was reviewed by NHESP file # 97-1562. Disturbance to marsh vegetation will be avoided in an effort not to disturb the adult and chick foraging areas.

2. EDGARTOWN HARBOR

Dredging:

The total maintenance dredging volume of the seven areas in Edgartown Harbor is 44,015 yd³. Dredging will be done by hydraulic dredge. Maintenance dredging of these channels is vital to maintain access for commercial and recreational shellfishermen, maintain shellfish habitat, navigation and public safety, and for beach nourishment.

- **Eel Pond channel and ramp** consist of maintenance dredging 3,200 yd³ of sediment to -4 ft MLW over a 59,000 ft² area, and also 800 yd³ of sediment to a depth of -2.5 ft MLW over an area of 10,000 ft² in the ramp area. There will be no dredging in eelgrass beds. There are no shellfish located in any of the project areas.

- **Lighthouse Point** is maintenance dredging of 8,400 yd³ of sediment to a depth of -7 ft MLW over an area of 50,990 ft², at the entrance to Edgartown Harbor for navigation safety.
- **Inner Harbor** is maintenance dredging of 8,500 yd³ of sediment over an area of 113,000 ft² to a depth of -6 ft MLW in the mooring area off Chappaquiddick Point to maintain navigation for commercial and recreational vessels.
- **Collins Beach** is maintenance dredging of 2,150 yd³ of sediment to a depth of -6 ft MLW to maintain navigation for commercial and recreational vessels.
- **Calebs Pond Channel** is maintenance dredging of 8,400 yd³ of sediment over an area of 92,000 ft² to a depth of -4 ft MLW to maintain navigation to the Pond for commercial and recreational shellfishing.
- **Katama Boat Ramp** is maintenance dredging of 9,390 yd³ of sediment to a depth of -5 ft MLW to maintain the area around the boat ramp and a navigation channel.
- **Katama Channel** is maintenance dredging of 3,975 yd³ of sediment over an area of 50,094 ft² to a depth of -5 ft MLW to maintain navigation for commercial, recreational and emergency vessels.

Beach Nourishment:

For all five nourishment sites, dredged sand will be placed as beach nourishment material on previously permitted beaches, above mean high water. Nourishment will provide storm protection and habitat for endangered shorebirds. Silt barriers will be placed to protect salt marsh in the nourishment areas required by the Conservation Commission Order of Conditions. Dredged material will be dewatered on the beach. Placement of dredge pipes will be coordinated with Conservation Commission and/or Sheriff's Meadow. Efforts shall be made to minimize the impact of dredge pipes on beach vegetation. Any vegetation disturbed by placement of dredge pipe shall be replanted in coordination with the Conservation Commission. To comply with TOY restrictions, disposal will only take place between Nov 1 and April 1 to minimize any adverse effect on nesting shorebirds. Unless otherwise noted, beach slope will be 10:1 for shorebird habitat.

- **Eel Pond (NSEP)** nourishment area is adjacent to the dredge area and owned by Sheriff's Meadow. Private eroding beaches, also adjacent to the dredge area, will be available for renourishment if, in consultation with Sheriff's Meadow that its beach area is not available. 1,800 yd³ of dredged material will be placed below the HTL over an area of 19,500 ft² and 1,400 yd³ of dredged material will be placed above HTL over an area of 9,700 ft². This project was reviewed by NHESP file # 97-1566 and was determined to be within plover and Least Tern nesting habitat. Slope of the Sheriff's Meadow Beach is 10:1. Private Beaches were reviewed by

NHESP file# 06-21069. There is no known nesting taking place in this area. Monitoring will be required if species are found.

- **Fuller Beach (NSFB)** nourishment area is a barrier beach. It was reviewed by NHESP file # 98-3287, and was determined to be within the actual habitat of endangered shorebirds. Nourishment will be placed above MHW at a slope of 10:1 to maintain habitat for endangered shorebirds.
- **A-D, F (NSA-D,F) and (NSE)** nourishment sites are located on separate beach areas in Edgartown Inner Harbor. Nourishment will be placed landward of MHW of the nourishment sites.
- **(NSNB)** nourishment area at Norton Beach is located at the southern edge of Katama Bay. Material will be placed above MHW. Slope will be 10:1 for shorebird habitat. Reviewed by NHESP file # 02-10721

3. EDGARTOWN GREAT POND

Dredging:

Total maintenance dredge volume for the four dredging projects in Edgartown Great Pond is 25,900 yd³. The dredged material will be used for beach nourishment. Maintenance dredging of these channels is vital to navigation and tidal pond flushing. There are no eelgrass beds or shellfish located in the project areas. Great Pond Channel excavation may occur between April 1 and July 31 with approved monitoring of shorebirds and in consultation with Conservation Commission. Work will be done under the supervision and conditions set forth by the Conservation Commission Order of Conditions, SE 20-868, SE 20-854, SE 20-911, SE 20-809, 20-818.

- **Great Pond Ramp** project is to hydraulically dredge 500 yd³ to maintain the navigation area at a Town owned boat ramp known as Wilson's Landing.
- **Great Pond Channel** project is for maintenance excavation/dredging of 9,800 yd³ in the channel at the outlet to the Atlantic Ocean to enhance tidal flushing and improve marine fisheries habitat within the Pond.
- **Sluiceway Approach** project is for maintenance dredging of 9,800 yd³ of sediment to maintain the approach to the Herring Creek restored sluiceway and fish run.
- **Herring Creek Restoration** Project is for maintenance dredging of 5,800 yd³ of sediment to maintain a restored historic anadromous fishway from Katama Bay through Herring Creek and Crackatuxet Pond to Edgartown Great Pond, using a combination of hydraulic and mechanical dredging. Some maintenance excavation will be carried out using conventional construction equipment operating from the

beach, bank or dune. Where necessary invasive nuisance species will be removed, by hand if possible, and disturbed areas will be replanted with native species.

Beach Nourishment:

All material appropriate for beach nourishment will be placed above the MLW. No beach nourishment shall occur from April 1 to August 31 for the protection of shore birds. Slope will be set at 10-1 and there will be no planting on the beach for the maintenance of shorebird habitat

- **(SBNS)** South Beach is the permitted nourishment site for dredged materials from the Sluiceway Approach, Great Pond Channel and compatible material from the Herring Creek Restoration. Material will be pumped through a pipeline and pumped directly onto the beach. For Herring Creek Restoration project, the material suitable for beach nourishment will be placed into trucks and transported to the permitted South Beach (SBNS), barrier beach renourishment area and placed landward of MHW. Any invasive nuisance vegetation will be disposed of upland.
- **(BRNS)** Great Pond Boat Ramp (Wilson's Landing) disposal area will be used for the Boat Ramp project only and disposal will occur only when the Pond is low, on Town beach adjacent to the Ramp and under supervision of the Conservation Commission.

4. SENGEKONTACKET POND

Dredging

Four areas in Sengekontacket Pond are permitted for maintenance dredging of 130,500 yd³ to be used for beach nourishment on the barrier and coastal beaches.

- **Borrow Area #1** is permitted to dredge 67,000 yd³ of sediment over an area of 720,000 ft² to a depth of -3 ft MLW.
- **Borrow Area #2** is permitted to dredge 2,500 yd³ of sediment over an area of 147814 ft² to a depth of -3 ft MLW.
- **Little Bridge Outside Channel** is permitted to dredge 4,000 yd³ of sediment over an area of 12,000 ft² to a depth of -5 ft MLW.
- **Sengekontacket Inside Channel** is permitted to dredge 57,000 yd³ of sediment over an area of 832,000 ft² to a depth of -5 ft MLW.

Beach Nourishment

The six permitted nourishment areas are part of the barrier beach system and are all important for storm and flood protection for the barrier and coastal beaches, roads and infrastructure. Severe winter storms make erosion a constant issue. All projects are designed to maintain and enhance endangered shorebird habitat. Recreational value is enhanced on the very popular public beaches.

- (SBNS) Sylvia State Barrier Beach requires nourishment to provide storm protection for the State Highway and Sengekontacket Pond. Temporary groins were installed as part of the 1997 Beach Road Erosion Control project. These groins help control the rate of erosion and need to be maintained. Dukes County and the Barrier Beach Task Force have implemented a Beach Management program to monitor the beach erosion at Sylvia and the need for maintenance.
- (SBNS) Sylvia State Beach below Mean High Water, to be consistent with the design for Bent in the Road (BRIT) Beach to improve the longevity of the (BRIT) beach nourishment effort.
- (BITRNS) Bend in the Road is part of the barrier beach system protect Sengekontacket Pond and the State Highway. This popular Town beach was recently restored and will need to be maintained. Dunes were restored and habitat for endangered species was created.
- (CBNS) Cow Bay Dunes is maintenance of badly eroded dunes on private beaches. Trapps Pond and upland infrastructure are protected by these dunes. Habitat for endangered shorebirds was created and will need to be maintained.
- (CBNS) Mean High Water, to be consistent with the design for Bent in the Road (BRIT) Beach to improve the longevity of the (BRIT) beach nourishment effort.
- Pay Beach and Inkwell beach are also included as beach nourishment sites.

Table 1- Edgartown Beach Nourishment Projects Summary (November 4, 2009)

Nourishment Areas	Total ft ²	Above HTL	MHW-HTL	MLW-MHW	Above MHW	Below MHW
Cape Pogue (Elbow/Gut)	148,000	148000				
Narrows (Trails/beach)	86000				86,000	
Dike Bridge (OVR Trails)	21000	21000				
Eel Pond Barrier Island, Beach	217,000	50000				167000
Eel Pond Froelich (Private)	29200	9700	19500			
Lighthouse (Fuller) Beach	82,000				74580	7420
Area "E" (Private)	68,500	50,000	5700	12800		
Area "A-"D", "F" (Private)	93230	27375	8575	20300		36710
Norton Point	153,500	153500				
South Beach	213,630	85640	72143	55,847		
Great Pond Ramp	10,270	10270				

Bend in the Road Beach	71874	23957				47917
Cow Bay Dunes (Private)	175113				175113	
Sylvia State Beach	484,027	464749				19278
Total Area, ft ²	1,853,344	1,044,191	105918	88947	335693	278325

**Table 1A- Edgartown Beach Nourishment Projects Summary (September 2010
Amendment 1)**

Nourishment Areas	Total ft²	Above HTL	MHW- HTL	MLW- MHW	Above MHW	Below MHW
Cape Pogue (Elbow/Gut)	148,000	148,000				
Narrows (Trails/beach)	86,000				86,000	
Dike Bridge (OVR Trails)	21,000	21,000				
Eel Pond Barrier Island, Beach	217,000	50,000				167,000
Eel Pond Froelich (Private)	29,200	9,700	19,500			
Lighthouse (Fuller) Beach	82,000				74,580	7,420
Area "E" (Private)	68,500	50,000	5,700	12,800		
Area "A-"D", "F" (Private)	93,230	27,375	8,575	20,300		36,710
Norton Point	153,500	153,500				
South Beach	213,630	85,640	72,143	55,847		
Great Pond Ramp	10,270	10,270				
Bend in the Road Beach	71,874	23,957				47,917
Cow Bay Dunes (Private)	<u>447,086</u>				175,113	<u>271,973</u>
Sylvia State Beach	<u>492,057</u>	464,749				<u>26,308</u>
Total Area, ft ²	<u>2,132,347</u>	1,044,191	105,918	8,8947	335,693	<u>557,328</u>

Table 2 - Edgartown Salt Pond Dredging Projects Summary

Dredge Sites	ft²	yd³	Project areas
Borrow Area #1	720,000	67000	Sengekontacket Pond (Edgartown)
Borrow Area #2	147,814	2500	Sengekontacket Pond (Oak Bluffs)
Inner Channel	150,000	57000	Sengekontacket Pond (Oak Bluffs)
Great Pond	253,186	19,600	Channel, Sluiceway,
Herring Creek Restoration	15,000	5,800	Herring Creek
Great Pond Ramp	3,415	500	Wilson's Landing
Total	1,289,415	152,400*	

* Volume does not include one foot overdredge allowance

Table 3 - Edgartown Land Under Ocean Dredging Projects Summary

Dredge Sites	ft²	yd³	Project areas
Little Bridge	12,000	4000	Sengekontacket Pond (Oak Bluffs)
Eel Pond (EP)	59,000	3200	Ramp, Channel,
Cape Pogue	228,500	16190	Narrows, Gut, Dyke Bridge, Outer Channel
Inner Harbor	239,690	27450	Harbor, Lighthouse, Collins, Calebs Pond
Katama Bay	147,834	13365	Ramp and channel, Katama Bay
Total (ft ²)	705,325	64205*	

* Volume does not include one foot overdredge allowance

Table 4 - Summary of Time-of-Year (TOY) Restriction
Edgartown Maintenance Dredging and Beach Nourishment

Dredge Site	Feature¹	Winter Flounder TOY 1/15-5/31	Diadromous TOY Alewife 4/1-6/15 Blueback 4/1-6/30 American shad 5/1-7/15 White Perch 4/1-6/15	Horseshoe Crab TOY 5/1 – 6/30
Borrow Area # 1 (#13)	Embayment	Y	Y (alewife)	N
Borrow Area # 2 (#14)	Embayment	Y	Y (alewife)	N
Great Pond Channel (15)	Embayment	N	Y (alewife/shad/perch)	N
Great Pond Sluiceway(16)	Inlet	N	Y (alewife/shad/perch)	N
Great Pond Sea. Excavation (15)	Inlet	N	Y (alewife/shad/perch)	N
Herring Creek Dredging (17)	Embayment	N	Y (alewife/shad/perch)	N
Herring Creek Exc. (18)	Embayment	N	Y (alewife/shad/perch)	N
Great Pond Ramp (18)	Embayment	N	Y (alewife/shad/perch)	N
Gut (1)	Embayment/Inlet	Y	N	N
Narrows (2)	Embayment	Y	N	unknown
Dyke Bridge Approach(3)	Embayment	Y	N	unknown
Eel Pond (4)	Embayment	Y	N	N
Eel Pond Ramp (5)	Embayment	Y	N	N
Lighthouse (6)	Inlet	Y	N	Y
Inner Harbor (7)	Embayment/Inlet	Y	Y (alewife)	N
Collins Beach (8)	Embayment	Y	N	N
Calebs Pond (9)	Inlet	Y	N	N
Katama Bay Ramp/Channel (10)	Embayment	Y	N	Y
Katama Bay (11)	Embayment	Y	N	Y
Little Bridge (12)	Inlet	Y	Y (alewife/blueback)	N
Future Site # 1	Embayment	Y	Y (alewife/blueback)	N
Future Site # 2	Inlet	Y	N	N
Future Site # 3	Approach	N	N	N
Norton Point (14)				5/1-7/31
Lighthouse Beach (10)				5/1-7/31
Cape Pogue Narrows (3)				unknown

¹ The first component of the TOY Guidelines project requires defining Approach Channel, Inlet Channel, and Embayment Features. These features have not been formally drawn for Edgartown. But based on the information presented, DMF has tentatively identified the Feature-type for each of the sites.

Table 5 – Summary Plans
Edgartown Maintenance Dredging and Beach Nourishment

	Plan Title	Prepared By	Signed/Stamped	Final Revision
Cape Pogue Gut	Dredging Plan for the Gut	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Narrows	Dredging Plan for the Narrows	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Dike Bridge	Dredging Plan for Dike Bridge	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Eel Pond	Dredging Plan for the Eel Pond Areas	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Lighthouse	Dredge Plan in Edgartown Harbor at Edgartown Lighthouse	CLE Engineering	John DeRuggeris	10/15/98
Inner Harbor	Proposed Maintenance Dredging in Edgartown at Inner Harbor	Bourne Consulting	Danni Goulet	9/10/99
Collins Beach	Proposed Maintenance Dredging in Edgartown Harbor at Collins Beach	Bourne Consulting	Danni Goulet	1/4/00
Calebs Pond	Proposed Dredging Plan in Calebs Creek,Edgartown Harbor	CLE Engineering	Carlos Pena	1/21/04
Katama Boat Ramp	Proposed Dredging Plan in Katama Bay,Edgartown Harbor	CLE Engineering	John DeRuggeris	7/8/98
Katama Bay	Katama Bay Navigational Channel	Bourne Consulting	Joseph Hanlon	4/4/02
Sluiceway Approach	At Sluiceway Approach	Bourne Consulting	Danni Goulet	5/22/01
Herring Creek Restoration	Great Pond/Herring Creek Restoration	Bourne Consulting	Joseph Hanlon	9/05/02
Boat Ramp	Great Pond Boat Ramp Dredge/Disposal	Bourne Consulting	Danni Goulet	10/01/01
Borrow Area#1	Plans Accompanying Petition of Mass Highway Department for Waterways License	Mass Highway Dept.	Thomas Broderick	8/1996
Borrow Area#2, Little Bridge	Plans Accompanying Petition of Mass Highway Department for Waterways License	Mass Highway Dept.	Thomas Broderick	8/1996
Little Bridge	Sengekontacket Pond Dredging Edgartown and Oak Bluffs	Mass Highways		4/5/93
Cape Pogue Elbow	Dredging Plan for the Gut	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Narrows	Dredging Plan for the Narrows	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997
Dike Bridge	Dredging Plan for Dike Bridge	Schoefield, Barbini &Hoehn	R Barbini	4/10/1997

	Plan Title	Prepared By	Signed/Stamped	Final Revision
Eel Pond	Dredging Plan for the Eel Pond Areas	Schoefield, Barbini & Hoehn	R Barbini	4/10/1997
Eel Pond	Repair Groins and Beach Nourishment	Bourne Engineering	Danni Goulet	11/18/98
Fuller Beach	Proposed Beach Nourishment and Future Nourishment	CLE Engineering	John DeRuggeris	10/15/98
Calebs Pond A,B,C,E	Calebs Pond Disposal Area Volume/Area Determination	Schoefield, Barbini & Hoehn	Richard Barbini	10/04/03
Calebs Pond F	Nourishment Plan	Bourne Engineering	Joseph Hanlon	10/5/05
Norton Beach	Proposed Conditions at Norton Beach	Bourne Engineering	Joseph Hanlon	2/24/3
Norton Beach	Plan View of Proposed Disposal Site/Beach Nourishment Area (Boat Ramp)	CLE Engineering	John DeRuggeris	7/8/98
South Beach	Site Plan Beach Nourishment at South Beach	Bourne Engineering	Danni Goulet	6/13/00
Sylvia State Beach	Plans Accompanying Petition of the Massachusetts Highway Department for Waterways License	Mass Highway Dept	Thomas Broderick	8/1996
Boat Ramp	Great Pond Boat Ramp Dredge/Disposal	Bourne Consulting	Danni Goulet	10/01/01
Bend in the Road	Bend in the Road Beach Nourishment	Woods Hole Group	Kirk Bosma	4/21/08
Cow Bay	Dune Design for Cow Bay Beach	Woods Hole Group	Kirk Bosma	10/02/08
<u>Sylvia State and Cow Bay Beaches</u>	<u>Proposed Beach Nourishment for Sylvia State and Cow Bay Beaches</u> <u>12 sheets (below MHW)</u>	<u>Woods Hole Group</u>		<u>8/11/2010</u>

The site is located within the Priority Habitats of Rare Species, Estimated Habitats of Rare Wildlife, in accordance with the Massachusetts Natural Heritage Atlas, 13th Edition. As summarized in the Historical Dredging/Nourishment Permits Section, there are various letters with conditions issued by the Division of Fisheries & Wildlife, Natural Heritage & Endangered Species Program (NHESP) for the approved beach nourishment locations. Condition No. 9 requires the applicant to comply with the conditions set forth by NHESP.

Sediment dewatering: Dredged material will be piped the sediment slurry directly onto the beach nourishment locations. Condition No. 10 requires the applicant to implement Best Management Practices (BMPs) to minimize resuspended sediment returning to the receiving waterbody.

Sediment sampling data: Samples have been collected within the proposed dredge footprint for gradation analysis. Results of the gradation analysis indicated that the dredged material containing particles with less than ten percent passing the No. 200 U.S. Standard Series Testing Sieve, and it is compatible as beach nourishment material for various approved nourishment locations.

Public Notice: The 401 WQC application public notice was published in the Vineyard Gazette on September 9, 2009 and the Department received one comment during the 21-day public comment period, which ended on September 30, 2009.

A joint Chapter 91 and 401 public notice was published in the Vineyard Gazette on September 17, 2010 and the Department did not receive any comment on the 401 Amendment during the 21-day public comment period, which ended on October 12, 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 EOE No. 14425 and the Secretary's Certificate, issued on July 17, 2009 found that 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 to be 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, 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 substantially to plans submitted in application to this Department, as summarized in Table 5. 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 annual 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 five years. The Certification can be amended and or extended in accordance with 314 CMR 9.09(2) and (3), providing that the annual dredging

and beach nourishment activities summary report is submitted to the Department (Condition 13).

7. 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. If the dredged material is not used as beach nourishment material, submit information to the Department regarding final end use/disposal of the dredged material for review and approval. Under no circumstances that future maintenance dredging can commenced without obtaining approval from the Department.
 - c. **documenting** the grain-size distribution of the sediment to be dredged is compatible with the grain-size distribution of the **approved** receiving beach(es) in accordance
 - d. with the document entitled Beach Nourishment, Mass DEP's Guide to Best Management Practices for Projects in Massachusetts, March 2007,
 - 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. the volume of future maintenance dredging does not exceed 216,605 yd³ in any dredging event.
 - g. the Department is notified prior to commencement of the annual maintenance dredging in accordance with Condition 5.
 - h. The Department is notified of any problem related the dredging and nourishment activities in accordance with Condition 20.
8. The applicant shall develop a comprehensive dredging and beach nourishment schedule taking into consideration of the time-of-year restrictions recommended by the Division of Marine Fisheries (DMF) and the Natural Heritage Endangered Species Program. A copy of the schedule shall be provided to the Department.
9. The applicant shall comply with the conditions set forth by NHESP and submit an amendment request to the Department if there are any changes to the conditions.
10. Right of public access shall be provided for beach nourishment projects on private beaches in accordance with 310 CMR 9.40(4).
11. For future works identified on page 7 of the Certification, an amendment request (BRP WW 09 Form) shall be submitted to the Department for approval. At a minimum, information provided for the amendment shall be equivalent to the 401 WQC application and Chapter 91 application.
12. BMPs such a dewatering trench or basin shall be implemented at the beach nourishment locations to minimize sediment slurry from flowing back to the receiving waterbody.

13. At the end of each dredging season, a dredging and beach nourishment activities summary report shall be prepared and submitted to the Wetlands and Waterways Program. At a minimum, the summary shall include, but not limited to, dredge volume and locations, beach nourishment locations, compatibility of grain-size distribution of the dredged material with the grain-size distribution of the receiving beach based on current gradation analysis, findings of an updated due diligence evaluation, valid Order of Conditions. The annual summary report shall be submitted to the Department no later than March 1st of the following year.
14. A minimum of 25 feet shall remain unaltered between the edge of vegetated wetlands, salt marsh or vegetated shallows (i.e. eelgrass), and waterward edge of the top of the slope of the dredging area.
15. 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.
16. Within 30 days of the completion of each dredging area, a bathymetric survey of the dredged area depicting post-dredge conditions, shall be included in the annual dredging report and sent to the Wetlands and Waterways Program in the Boston Office.
17. In order to protect spawning, larval and juvenile development of winter flounder, diadromous fish migration, and horseshoe crab, the time-of-year restriction for dredging summarized in Table 4 shall be adhered to. The Department reserves the right to change the TOY based on recommendation(s) from DMF.
18. 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 2nd for winter flounder, March 15th for white perch, March 15th for alewife and blueback, April 15th for horseshoe crab. 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 prior to the starting of the TOY. Requests for amendment received after the above the specific dates will be considered at the Department's discretion.

19. Maintenance dredging shall not begin prior to the end date of the TOY in Table 4.
20. No later than four weeks after issuance of the Certification, 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.
21. **No beach nourishment at Sylvia State and Cow Bay Beach between April 1st and September 1st of any year.**
22. **The initial and all subsequent beach nourishment activities shall be placed at a 10:1 (10 horizontal to 1 vertical) slope and have no vegetation planting except in areas that will not adversely affect piping plover habitat.**
23. **A Piping Plover Management Plan approved by Natural Heritage Endangered Species Program (NHESP) and or U.S. Fish and Wildlife Services, shall be in place and implemented for the proposed onshore nourishment and/or related construction activity.**

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 in 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

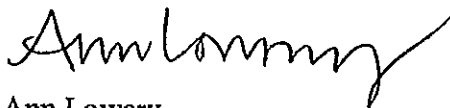
The request will be dismissed if the filing fee is not paid, unless the appellant is exempt or granted a waiver. The filing fee is not required if the appellant is a city or town (or municipal agency), county, or district of the Commonwealth of Massachusetts, or a municipal housing authority. The Department 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

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
Bileen Feeney, DMF, 838 South Rodney French Blvd., New Bedford, MA 02744
Mitch Ziencina, Liz Kouloheras, DEP SERO
Edgartown Conservation Commission, P.O. Box 1065, Edgartown, MA 02539
Oak Bluffs Conservation Commission, 56 School Street, Oak Bluffs, MA 02557

KC/X22837

Section G

Historical ACOE Permits



REPLY TO
ATTENTION OF

The Gut

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
686 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

January 26, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2004-3801

Ms. Lynne Fraker
Town of Edgartown
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to dredge an approximately 135,000 square-foot area to a depth of 2.5 feet below mean low water at Cape Pogue Pond in Edgartown, Massachusetts. Approximately 9900 cubic yards of sediments will be removed by hydraulic means and disposed of below the high tide line on 101,000 square feet of an adjacent beach. The work is described on the enclosed plans entitled "Dredging Plan for The Gut - Cape Pogue Pond," on 3 sheets, and dated November 25, 1997.

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP) provided you comply with the following special conditions:

1. There shall be no dredging from January 15 to April 15 of any year in order to minimize adverse impact to winter flounder.
2. In order to avoid adversely affecting breeding piping plovers (*Charadrius melodus*) on Cape Pogue, dredge disposal should only occur between September 1 and March 15 of any year. However, given the small amount of dredge material, work may occur outside of the recommended time-of-year restriction if a qualified piping plover monitor has determined that piping plovers are not present within 300 meters of the proposed disposal site. We request that the U.S. Fish and Wildlife Service be contacted at (603) 223-2541 at least two weeks prior to any work proposed outside of the September 1 through March 15 window.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with the special condition provided above, all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS provided EFH conservation recommendations, which we included in special condition #1 listed above. This condition will reduce turbidity and sedimentation effects on winter flounder.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

You must commence or have under contract to commence the work authorized herein by January 20, 2010, and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

Please note that this determination does not constitute an authorization to proceed until all other applicable Federal, state and local permits are obtained. Performing work not specifically authorized by this permit, starting work without obtaining other Federal, state and local approvals, or failing to comply with the permit conditions may subject you to the enforcement provisions of our regulations.

Narrows



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

January 26, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2004-3803

Ms. Lynne Fraker
Town of Edgartown
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to dredge an approximately 48,500 square-foot area to a depth of 3 feet below mean low water at the Narrows, Cape Poge Pond, Edgartown, Massachusetts. Approximately 3100 cubic yards of sediments will be removed by hydraulic means and disposed of below the high tide line on 25,000 square feet of an adjacent beach. The authorized work is described on the enclosed plans entitled, "Dredging Plan for The Narrows," on two sheets and dated April 10, 1997.

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP) provided you comply with the following special condition:

In order to avoid adversely affecting breeding piping plovers (*Charadrius melodus*) on Cape Pogue, dredge disposal should only occur between September 1 and March 15 of any year. However, given the small amount of dredge material and the short duration (three days) of construction activities, work may occur outside of the recommended time-of-year restriction if a qualified piping plover monitor has determined that piping plovers are not present within 300 meters of the proposed disposal site. We request that the U.S. Fish and Wildlife Service be contacted at (603) 223-2541 at least two weeks prior to any work proposed outside of the September 1 through March 15 window.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work

fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

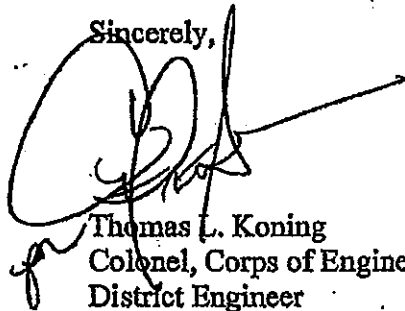
You must commence or have under contract to commence the work authorized herein by January 20, 2010, and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

Please note that this determination does not constitute an authorization to proceed until all other applicable Federal, state and local permits are obtained. Performing work not specifically authorized by this permit, starting work without obtaining other Federal, state and local approvals, or failing to comply with the permit conditions may subject you to the enforcement provisions of our regulations.

If you have any questions, please contact Kevin Kotelly of my staff at (978) 318-8703.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Koning', with a long horizontal stroke extending to the right.

Thomas L. Koning
Colonel, Corps of Engineers
District Engineer

Enclosures

Dike Bridge



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

January 26, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2004-3802

Ms. Lynne Fraker
Town of Edgartown
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to dredge an approximately 45,000 square-foot area to a depth of 3 feet below mean low water at the Dike Bridge Approach in Edgartown, Massachusetts. Approximately 1800 cubic yards of sediments will be removed by hydraulic means and disposed of below the high tide line on 21,000 square feet of an adjacent beach. The authorized work is described on the enclosed plans entitled, "Dredging Plan for the Dike Bridge Approach," on two sheets and dated August 1, 1997.

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP).

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

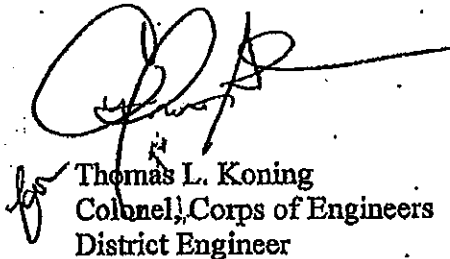
You must commence or have under contract to commence the work authorized herein by January 20, 2010, and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

Please note that this determination does not constitute an authorization to proceed until all other applicable Federal, state and local permits are obtained. Performing work not specifically authorized by this permit, starting work without obtaining other Federal, state and local approvals, or failing to comply with the permit conditions may subject you to the enforcement provisions of our regulations.

If you have any questions, please contact Kevin Kotelly of my staff at (978) 318-8703.

Sincerely,



for Thomas L. Koning
Colonel, Corps of Engineers
District Engineer

Enclosures

Copies Furnished:

John McCulloch, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, Massachusetts 02114-2023

Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298

William Neidermyer, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300,
Concord, New Hampshire 03301-5087

Elizabeth F. Kouloheras, DEP Southeast Regional Office, Wetlands and Waterways,
20 Riverside Drive, Lakeville, Massachusetts 02347

Eel Pond



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
896 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO:
ATTENTION OF:

August 24, 2007

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2006-3245

Paul Bagnall, Shellfish Constable
Town of Edgartown
P.O. Box 481
Edgartown, Massachusetts 02539

Dear Mr. Bagnall:

We have reviewed your application to dredge an approximately 59,000 square-foot (SF) area to a depth of 4 feet (FT) below mean low water (MLW) and an approximately 10,000 SF area to a depth of 2.5 FT below MLW in Eel Pond and Nantucket Sound in Edgartown, Massachusetts. Approximately 3,200 cubic yards of sand will be removed by hydraulic means and disposed of at an adjacent beach located west of Eel Pond. Approximately 1,800 CY of the material will be disposed of below the high tide line (HTL) over an area of 19,500 SF and approximately 1,400 CY of the material will be disposed of above the HTL over an area of 9,700 SF. The work is shown on the attached plans entitled, "Dredging Plan for Eel Pond Areas Prepared for Town of Edgartown," on six sheets, and dated, "October 23, 1998."

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts on waters of the United States, including wetlands. Therefore, this work is authorized as a Category 2 activity under the attached Federal permit known as the Massachusetts Programmatic General Permit (PGP). This work must be performed in accordance with the terms and conditions of the PGP and also in compliance with the following special conditions:

1. *There shall be no dredging from January 15th to June 30th of any year in order to minimize adverse impacts to Winter Flounder.*
2. *There shall be no dredging in eelgrass.*
3. *There shall be no discharge of dredged material on the adjacent beach from March 16th to October 31st in order to minimize adverse impacts to nesting shore birds.*

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) as designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS provided EFH conservation recommendations, which we included in special conditions #1 and 2 listed above. These conditions are intended to minimize adverse impacts to Winter Flounder and eelgrass.

You are responsible for complying with all of the PGP's requirements. Please review the attached PGP carefully, in particular the PGP conditions beginning on Page 9, to familiarize yourself with its contents. You should ensure that whoever does the work fully understands the requirements and that a copy of the permit document and this authorization letter are at the project site throughout the time the work is underway.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives Water Quality Certification (WQC) as required under Section 401 of the Clean Water Act. In the event the DEP denies the 401 WQC, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the attached PGP.

Your project is located within, or may affect resources within the coastal zone. The Massachusetts Office of Coastal Zone Management (CZM) has already determined that no further Federal Consistency Review is required.

This authorization expires on January 20, 2010, unless the PGP is modified, suspended or revoked. You must complete the work authorized herein by January 20, 2010. If you do not, you must contact this office to determine the need for further authorization before continuing the activity. We recommend you contact us *before* this permit expires to discuss a time extension or permit reissuance.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

This authorization requires you to 1. notify us before beginning work so we may inspect the project, and 2. submit a Compliance Certification Form. You must complete and return the enclosed Work Start Notification Form to this office at least two weeks before the anticipated starting date. You must complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work.

This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law, as listed on Page 1 of the PGP. Performing work not specifically authorized by this determination or failing to comply with any special conditions provided above or all the terms and conditions of the PGP may subject you to the enforcement provisions of our regulations.

Please contact Kevin Kotelly of my staff at (978) 318-8703 if you have any questions.

Sincerely,

Ted Lento, Acting Chief
for Curtis L. Thalken
Colonel, Corps of Engineers
District Engineer

Attachments

Copies Furnished:

Ed Reiner, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWP, Boston,
Massachusetts 02114-2023

Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298

Maria Tur, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, New
Hampshire 03301-5087

Elizabeth F. Kouloheras, DEP SERO, Wetlands and Waterways, 20 Riverside Drive, Lakeville,
Massachusetts 02347

Robert Boeri, Coastal Zone Management, 251 Causeway Street, Suite 900, Boston,
Massachusetts 02114

Lynne Fraker, Town of Edgartown, P.O. Box 481; Edgartown, Massachusetts 02539

Lighthouse Point



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO
ATTENTION OF

January 26, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2004-3805

Ms. Lynne Fraker
Town of Edgartown
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to dredge an approximately 50,990 square foot area to a depth of -7 feet mean low water from the channel at the mouth of Edgartown Harbor in Edgartown, Massachusetts. Approximately 8,400 cubic yards of sand will be removed by hydraulic means and discharged directly on Lighthouse Beach in Edgartown, impacting 7,420 square feet below the high tide line. The work is described on the enclosed plans entitled "Proposed Dredging Plan in Edgartown Harbor At: Edgartown Lighthouse, County of Dukes, Application By Town of Edgartown," on six sheets, and dated October 15, 1998.

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP) provided you comply with the following special condition:

1. There shall be no dredging from January 15 to April 15 of any year in order to minimize adverse impacts to winter flounder.
2. All suitable piping plover habitat created by work performed under this authorization shall be managed (a) in accordance with the attached Guidelines for Managing Recreational Activities in Piping Plover Breeding Habitat on the U.S. Atlantic Coast to Avoid Take Under Section 9 of the Endangered Species Act issued by the U.S. Fish and Wildlife Service in 1996 and (b) in consultation with the Supervisor, New England Field Office, U.S. Fish and Wildlife Service, 22 Bridge St., Unit 1, Concord, NH 03301-4986, Telephone (603) 225-1411.
3. Each year, before dredged material is placed at any site, a qualified piping plover monitor shall determine whether suitable piping plover nesting habitat exists at that site. A qualified piping plover monitor is a person who has the skills, knowledge, and ability to conduct monitoring. Aptitude for monitoring includes keen powers of observation, familiarity with avian biology, experience observing birds or other wildlife for sustained periods, tolerance for adverse weather, patience, and the ability to maintain detailed organized notes. The permittee shall contact the U.S. Fish and Wildlife Service at (603) 223-2541 before placing

dredged material at any site where the monitor determines that suitable piping plover habitat exists.

4. Suitable piping plover nesting habitat that is degraded by work performed under this authorization shall be restored to its pre-construction level of suitability immediately following completion of work at that site. The applicant shall provide the U.S. Fish and Wildlife Service with a copy of a work-start notification form as well as a ground photograph of the post-construction site (Send to: Supervisor, New England Field Office, U.S. Fish and Wildlife Service, 22 Bridge St., Unit 1, Concord, NH 03301-4986).
5. On suitable piping plover nesting habitat all construction activities are prohibited during the period April 1 to September 1 of each year unless:
 - a. At least two weeks before construction begins the U.S. Fish and Wildlife Service is notified at (603) 223-2541 of (1) when construction activities are proposed to start and (2) the location of the construction activities;
 - b. A qualified piping plover monitor is in place to document the location and activities of breeding piping plovers at least one week prior to the start of any construction activity. In any calendar year pre-activity surveys shall begin one week prior to April 1 or one week prior to the commencement of any on-site project activity, whichever occurs first. On at least four non-consecutive days the piping plover monitor shall survey the project area (including landing, staging, operation, sand-transport and beach nourishment areas) for the occurrence of territorial, courting or nesting piping plovers. Each day's monitoring shall consist of two separate surveys conducted during different times of the tidal cycle;
 - c. Dredge/disposal activities are located 100 meters or more from piping plover territories, nests and/or broods and do not disturb piping plovers;
 - d. Plovers are monitored continuously during project activities and, if it is determined that piping plovers are disturbed by the activity, (1) all work ceases immediately and (2) the U.S. Fish and Wildlife Service is notified immediately at (603) 223-2541 for further consultation. Piping plover monitoring field notes shall be provided to the U.S. Fish and Wildlife Service upon request. Piping plover monitoring is the process of observing and recording data on piping plover breeding activities without causing disturbance to the birds under observation. Monitoring includes, but is not limited to, detecting and recording locations of territorial and courting adults, locating nests and incubating adults, locating broods, interpreting piping plover behaviors, and documenting observations in legible, complete field notes. Except to determine the number of eggs in a newly discovered nest, monitoring is done using binoculars or spotting scopes from a distance of at least 50 meters;
 - e. If a crushed nest or a dead piping plover chick or adult is found, the permittee immediately contacts the Division of Law Enforcement, U.S. Fish and Wildlife Service, 70 Everett Avenue, Suite 315, Chelsea, Massachusetts 02150, Telephone (617) 889-6616.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with the special condition provided above, all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS provided EFH conservation recommendations, which we included in special condition #1 listed above. This condition will reduce turbidity and sedimentation effects on winter flounder.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

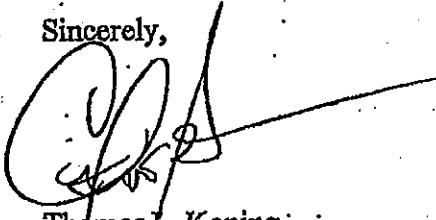
You must commence or have under contract to commence the work authorized herein by January 20, 2010, and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

Please note that this determination does not constitute an authorization to proceed until all other applicable Federal, state and local permits are obtained. Performing work not specifically authorized by this permit, starting work without obtaining other Federal, state and local approvals, or failing to comply with the permit conditions may subject you to the enforcement provisions of our regulations.

If you have any questions, please contact Kevin Kotelly of my staff at (978) 318-8703.

Sincerely,



Thomas L. Koning
Colonel, Corps of Engineers
District Engineer

Enclosures

Copies Furnished:

John McCulloch, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, Massachusetts 02114-2023

Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298

William Neidermyer, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300,
Concord, New Hampshire 03301-5087

Elizabeth F. Kouloheras, DEP Southeast Regional Office, Wetlands and Waterways,
20 Riverside Drive, Lakeville, Massachusetts 02347

Inner Harbor



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

January 26, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2004-3804

Ms. Lynne Fraker
Town of Edgartown
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to dredge an approximately 113,000 square-foot area to a depth of -6 feet mean low water at Chappaquiddick Point in Edgartown Harbor, Edgartown, Massachusetts. Approximately 8,500 cubic yards of sediments will be removed by hydraulic means and disposed of below the high tide line on 7,420 square feet of Lighthouse Beach located to the north. The authorized work is described on the enclosed plans of various titles on six sheets and dated September and May, 1998.

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP) provided you comply with the following special condition:

There shall be no dredging from January 15 to October 15 of any year in order to minimize adverse impacts to winter flounder.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with the special condition provided above, all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS provided EFH conservation recommendations, which we included in the special condition listed above. This condition will reduce turbidity and sedimentation effects on winter flounder.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

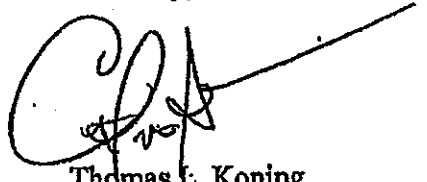
You must commence or have under contract to commence the work authorized herein by January 20, 2010, and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

Please note that this determination does not constitute an authorization to proceed until all other applicable Federal, state and local permits are obtained. Performing work not specifically authorized by this permit, starting work without obtaining other Federal, state and local approvals, or failing to comply with the permit conditions may subject you to the enforcement provisions of our regulations.

If you have any questions, please contact Kevin Kotelly of my staff at (978) 318-8703.

Sincerely,



Thomas E. Koning
Colonel, Corps of Engineers
District Engineer

Enclosures

Copies Furnished:

John McCulloch, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, Massachusetts 02114-2023
Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298
William Neidermyer, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300,
Concord, New Hampshire 03301-5087
Elizabeth F. Kouloheras, DEP Southeast Regional Office, Wetlands and Waterways,
20 Riverside Drive, Lakeville, Massachusetts 02347

Collins Beach



REPLY TO
ATTENTION OF

Regulatory Branch
CENAE-CO-R-199901569

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

January 21, 2000

Mr. Charles Blair
Edgartown Harbormaster
c/o Robert L. Fultz and Associates
74 Colonial Road
Marshfield, Massachusetts 02050

Dear Mr. Blair:

This is to inform you that we have reviewed your application to dredge an approximately 24,700 square feet (SF) area to a depth of -5' mean low water at Collins Beach, Edgartown, Massachusetts. Approximately 2,140 cubic yards of sand will be removed by hydraulic method and disposed of on the beach located approximately 900' to the south. Approximately 22,440 SF of sand will be placed below the high tide line. This work is described on the enclosed plans entitled "PURPOSE: DREDGING & BEACH NOURISHMENT," on six pages, and dated "JAN. '00."

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. The Federal permit known as the Massachusetts Programmatic General Permit (PGP) therefore authorizes this activity, provided you comply with the following special condition:

There shall be no dredging between February 15th and June 15th of any year. This is to minimize impacts to spawning, larval and juvenile winter flounder.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that this project is below applicable thresholds and does not require Federal consistency concurrence.

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS provided EFH conservation recommendations, which are included in the above listed special condition. This condition will minimize impacts to spawning, larval and juvenile winter flounder.

You must perform the activity authorized herein in compliance with the special condition provided above, all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification. Enclosed is a copy of the PGP. Please review it carefully to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the

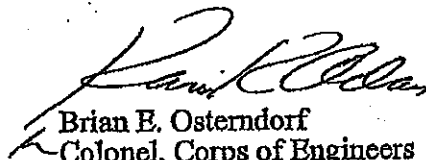
conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

Please note that this determination does not constitute an authorization to proceed until all other applicable state and local permits are obtained. Performing work not specifically authorized by this permit, starting work without obtaining other applicable State and local approvals, or failing to comply with the permit conditions may subject you to the enforcement provisions of our regulations.

Condition 33 of the PGP (page 12) provides one year for completion of work that has commenced prior to the expiration of this PGP on January 11, 2005. You will need to apply for reauthorization for any work within Corps jurisdiction that is not completed by January 1, 2006. Please complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date to allow us to inspect the project if necessary.

If you have any questions, please contact Mr. Greg Penta, of my staff, at (978) 318-8862.

Sincerely,



Brian E. Osterndorf
Colonel, Corps of Engineers
District Engineer

Enclosures

Copies Furnished:

Mr. John McCulloch, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, MA 02114-2023
Mr. Eric Hutchins, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298
Mr. Phil Morrison, U.S. Fish and Wildlife Service, 22 Bridge Street, Unit #1, Concord,
New Hampshire 03301-4901
Ms. Elizabeth F. Kouloheras, DEP Southeast Regional Office, Wetlands and Waterways,
20 Riverside Drive, Lakeville, Massachusetts 02347



Caleb's Pond

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
698 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO
ATTENTION OF

March 13, 2006

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2004-114

Charles J. Blair, Harbormaster
Town of Edgartown
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Mr. Blair:

We have reviewed your application to add an additional disposal site to the Caleb's Pond dredging and beach nourishment project previously permitted under permit number NAE-2004-114. The total area of proposed fill below the high tide line at the additional disposal site will be 36,710 square feet (SF). The additional disposal site is described on the enclosed plans entitled, "Application By: Town of Edgartown, In: Edgartown Harbor, At: Caleb's Pond," on 4 sheets and dated "October, 2005."

The main project which was previously permitted under permit number NAE-2004-114 is to dredge an approximately 51,000 SF area consisting of a channel 30-foot (FT) wide at the bottom and 1700-FT long to a depth of 4-FT below mean low water at Caleb's Creek in Edgartown, Massachusetts. Approximately 8,400 cubic yards of fine gravel to fine sand will be removed by hydraulic means and pumped to five separate beach areas in Edgartown inner harbor to be used as beach nourishment. The total area of fill below the high tide line for beach nourishment over the five beaches will be 47,375 SF. The authorized work is described on the enclosed plans entitled, "Proposed Dredging Plan In Caleb's Creek, Edgartown Harbor," on 12 sheets and dated "January 21, 2004." The project purpose is to provide navigational access into Caleb's Creek, primarily for access to shellfish beds.

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP) provided you comply with the following special condition:

There shall be no dredging or disposal from January 15 to May 30 of any year in order to minimize adverse impact to winter flounder spawning and juvenile development:

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with the special condition provided above, all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS provided EFH conservation recommendations, which we included in the special condition listed above. This condition will minimize adverse impact to winter flounder spawning and juvenile development.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

You must commence or have under contract to commence the work authorized herein by January 20, 2010, and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

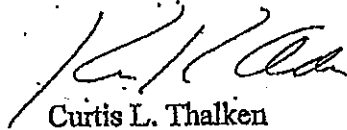
This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

Please note that this determination does not constitute an authorization to proceed until all other applicable Federal, state and local permits are obtained. Performing work not specifically authorized by this permit, starting work without obtaining other Federal, state and local approvals, or failing to comply with the permit conditions may subject you to the enforcement provisions of our regulations.

This permit letter supersedes the permit letter previously issued by the Corps for this project dated October 19, 2004.

If you have any questions, please contact Kevin Kotelly of my staff at (978) 318-8703.

Sincerely,



Curtis L. Thalken

Colonel, Corps of Engineers
District Commander

Attachments

Enclosures

Copies Furnished:

Ed Reinert, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, Massachusetts 02114-2023

Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298

Maria Tur, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300,
Concord, New Hampshire 03301-5087

Elizabeth F. Kouloheras, DEP Southeast Regional Office, Wetlands and Waterways,
20 Riverside Drive, Lakeville, Massachusetts 02347

Truman Henson, Coastal Zone Management, 251 Causeway Street, Suite 900, Boston,
Massachusetts 02114

Burton B. Bryan, Robert L. Fultz and Associates, 181 Winter Street, Norwell, Massachusetts
02061

Katama Bay Boat Ramp &
Channel



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO
ATTENTION OF

April 11, 2011

Regulatory Division
CENAE-R-PEA
File Number: NAE-2000-00373

Norman Rankow
Town of Edgartown
P.O. Box 3413
Edgartown, Massachusetts 02539

Dear Mr. Rankow:

We have reviewed your application to annually hydraulically dredge a channel with an area of approximately 2.4 acres in Katama Bay to a depth of -5' mean low water (MLW). Once dredged, the material will be pumped to a dewatering site located at 87 Edgartown Bay Road that will be constructed out of jersey barriers. Approximately 1,229 cu. yds. of material will be removed from the channel and disposed of on Bend in the Road Beach, Edgartown, Massachusetts. Disposal will be above and below the high tide line (HTL). The work is shown on the attached plans entitled "PLAN ACCOMPANYING PETITION OF: The Town of Edgartown for Proposed Annual Maintenance Dredging for Katama Bay Boat Ramp Basin and Navigation Channel, in Katama Bay, Edgartown, MA", on 3 sheets, and dated "3-4-10" and on plan entitled "Town of Edgartown Katama Bay Boat Ramp Channel Edgartown, Massachusetts", on 1 sheet, and dated "3-4-10".

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts on waters of the United States, including wetlands. Therefore, this work is authorized as a Category 2 activity under the attached Federal permit known as the Massachusetts General Permit (GP). This work must be performed in accordance with the terms and conditions of the GP and also in compliance with the following special conditions:

1. The attached state-approved Piping Plover Management Plan ("Plan") or U.S. Fish and Wildlife Service (USFWS) approved Piping Plover Management Agreement ("Agreement") shall be in place and implemented for the proposed onshore dredge disposal and/or any related construction activity ("beach nourishment") location prior to, during and after any disposal of dredged material.
2. The initial and all subsequent beach nourishment activities authorized herein, unless otherwise directed by the Corps, shall be placed at a 10:1 (10 horizontal to 1 vertical) slope as shown on the attached plans and have no vegetation plantings. This is to create or restore degraded plover habitat.

3. All beach nourishment and related construction activities are prohibited on or within 200 meters of suitable piping plover nesting habitat from April 1st to September 1st of any year. If any disposal or construction activity could unavoidably extend into this restriction period, the permittee must notify the USFWS (see 3d below) at least two weeks prior and the USFWS may require the following in order to avoid adversely affecting breeding piping plovers:

a. A qualified piping plover monitor¹ must be in place by April 1st of the year in which disposal is to occur to document location and activities of breeding plovers and to observe disposal activities relative to plover activities during the upcoming disposal period. In any calendar year, pre-disposal or related construction activity surveys shall begin one week prior to April 1st or one week prior to the commencement of any on-site project activity if the activity starts after April 1st. On at least four non-consecutive days, the piping plover monitor shall survey the project area (including landing, staging, operation, sand-transport and beach nourishment areas) for the occurrence of territorial, courting or nesting piping plovers. Each day's monitoring shall consist of two separate surveys conducted during different times of the tidal cycle;

b. Dredge/disposal activities must be located 200 meters or more from piping plover territories and/or nests;

c. Plovers must be monitored continuously during project activities. Piping plover monitoring field notes shall be provided to the USFWS upon request. Piping plover monitoring is the process of observing and recording data on piping plover breeding activities without causing disturbance to the birds under observation. Monitoring includes, but is not limited to, detecting and recording locations of territorial and courting adults, locating nests and incubating adults, locating broods, interpreting piping plover behaviors, and documenting observations in legible, complete field notes. Except to determine the number of eggs in a newly discovered nest, monitoring is done using binoculars or spotting scopes from a distance of at least 50 meters;

d. If it is determined by the on-site qualified piping plover monitor that piping plovers are disturbed by the activity, (i) all work shall cease immediately and (ii) the USFWS shall be notified immediately at (603) 223-2541 x22 for further consultation.

4. In association with authorized activities, if a crushed nest or a dead piping plover chick or adult is found, the permittee is required to immediately contact the Division of Law Enforcement, USFWS, Office of Law Enforcement, 70 Everett Avenue, Suite 315, Chelsea, MA 02150; (617) 889-6616.

5. The following management actions, which also may be listed in the approved Plan or Agreement, must be implemented each year following disposal in perpetuity as long as the piping plover monitor determines that it remains potentially suitable piping plover nesting habitat². This is to avoid adverse effects to Piping Plovers from recreational impacts associated with the nourished beach:

a. Any suitable piping plover habitat created by work performed under this authorization shall be managed in accordance with the USFWS, Northeast Region, April 15, 1994 document titled, *Guidelines for Managing Recreational Activities in Piping Plover*

¹A qualified piping plover monitor is a person who has the skills, knowledge and ability to conduct monitoring.

²"Potentially suitable piping plover nesting habitat" is habitat that contains natural features associated with known plover habitat and that could be reasonably expected to be occupied by piping plovers either in the upcoming nesting season or in the reasonably foreseeable future.

Breeding Habitat on the U.S. Atlantic Coast to Avoid Take Under Section 9 of the Endangered Species Act ("Guidelines") for managing recreational beaches on which Federally listed piping plovers may be present. This document is located at:

<http://www.fws.gov/northeast/pipingplover/recguide.html>.

b. The disposal area shall be posted with warning signs and/or "symbolic fencing"³ before April 1 of each year and managed according to the Guidelines.

6. These conditions are applicable as long as piping plovers are listed under Section 4 of the Endangered Species Act.

7. There shall be no dredging from January 15th through June 30th of any year in order to minimize adverse impacts to winter flounder.

You are responsible for complying with all of the GP's requirements. Please review the attached GP carefully, in particular the GP conditions beginning on Page 5, to familiarize yourself with its contents. You should ensure that whoever does the work fully understands the requirements and that a copy of the permit document and this authorization letter are at the project site throughout the time the work is underway.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (MassDEP) issues or waives Water Quality Certification (WQC) as required under Section 401 of the Clean Water Act. In the event the DEP denies the 401 WQC, this determination becomes null and void. The address of the MassDEP Regional office for your area is provided in the attached GP.

Your project is located within, or may affect resources within the coastal zone. The Massachusetts Office of Coastal Zone Management (CZM) has already determined that no further Federal Consistency Review is required.

This GP expires on January 21, 2015. Activities authorized under this GP that have commenced (i.e., are under construction) or are under contract to commence before this GP expires will have until January 21, 2016 to complete the activity under the terms and general conditions of the current GP. For work within Corps jurisdiction that is not completed by January 21, 2016, you will need to reference any reissued GP to see if your project is still authorized under Category 1 (no application required), or Category 2 (application required). If it is no longer authorized you must submit an application and receive written authorization before you can continue work within our jurisdiction. Please contact us immediately if you change the plans or construction methods for work within our jurisdiction. This office must approve any changes before you undertake them.

³ Symbolic fencing refers to two strands of light-weight string, tied between posts to delineate at least a 50 meter radius around nest areas where pedestrians and vehicles should not enter.

This authorization requires you to complete and return the attached Work Start Notification Form to this office at least two weeks before the anticipated starting date. You must also complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work and any required mitigation (but not mitigation monitoring, which requires separate submittals).

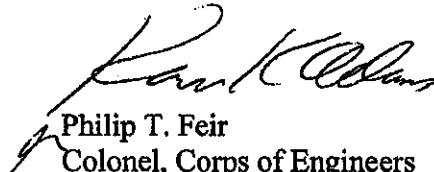
This authorization presumes that the work as described above and as shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, submit a request for an approved jurisdictional determination in writing to this office.

This permit does not obviate the need to obtain other federal, state, or local authorizations required by law, as listed on Page 2 of the GP. Performing work not specifically authorized by this determination or failing to comply with any special conditions provided above or all the terms and conditions of the GP may subject you to the enforcement provisions of our regulations.

We continually strive to improve our customer service. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at <http://per2.nwp.usace.army.mil/survey.html>

If you have any questions regarding this letter, please contact me at (978) 318-8171, (800) 343-4789, (800) 362-4367 within Massachusetts, or Richard.C.Kristoff@usace.army.mil.

Sincerely,


Philip T. Feir
Colonel, Corps of Engineers
District Engineer

Attachments

Great Pond Ramp



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO:
ATTENTION OF:

December 19, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2005-4047

Lynne Fraker, Dredge Administrator
Town of Edgartown
Dredge Advisory Committee
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to dredge 500 cubic yards of sand from a 3,415 square foot area of Great Pond. This material will be used as beach nourishment on the adjacent beach in Edgartown, Massachusetts and will cover a 10,275 square foot area. This project was previously permitted under the Department of the Army permit number 200202121. This work is located in Mashacket Cove at Town Park, Mashacket Neck, Edgartown, Massachusetts. The work is described on the enclosed plans entitled "Great Pond Resource Areas," on four sheets, and dated "November 22, 2002."

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP).

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

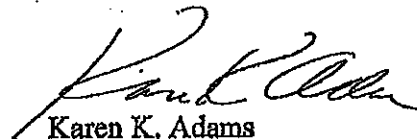
You must commence or have under contract to commence the work authorized herein by ~~January 20, 2010~~ and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

If you have any questions, please contact Kevin Kotelly of my staff at (978) 318-8703.

Sincerely,



Karen K. Adams
Chief, Permits & Enforcement Branch
Regulatory Division

Enclosures

Copies Furnished:

Ed Reiner, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, Massachusetts 02114-2023

Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298

Maria Tur, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, New
Hampshire 03301-5087

Elizabeth F. Kouloheras, DEP Southeast Regional Office, Wetlands and Waterways,
20 Riverside Drive, Lakeville, Massachusetts 02347

Truman Henson, Coastal Zone Management, 251 Causeway Street, Suite 900, Boston,
Massachusetts 02114



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

Great Pond Channel

REPLY TO:
ATTENTION OF:

December 29, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2005-4050

Lynne Fraker
Dredge Administrator
Town of Edgartown
Town Hall
P.O. Box 739
Edgartown, Massachusetts 02539

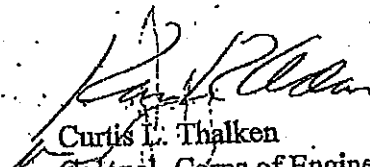
Channel

Dear Mrs. Franklin:

In accordance with your recent request your Department of the Army permit, number 200001739, is hereby extended until December 31, 2007.

All other conditions of the original permit remain in full force and effect:

BY AUTHORITY OF THE SECRETARY OF THE ARMY:


Curtis L. Thalken
Colonel, Corps of Engineers
District Engineer

Copies Furnished:

Ed Reiner, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, Massachusetts 02114-2023
Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298
Maria Tur, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, New
Hampshire 03301-5087
Richard Tomczyk, DEP Northeast Regional office, Wetland and Waterways, One Winter Street -
5th Floor, Boston, Massachusetts 02108

DEPARTMENT OF THE ARMY PERMIT

Town of Edgartown, Town Hall, P.O. Box 739, Edgartown, Massachusetts 02539-0739, ATTN:

Charles Blair, Harbormaster

Permittee Charles Blinn, Ambassador

Permit No. 200001739

Issuing Office New England District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description:

To periodically open Great Pond to the Atlantic Ocean for the purpose of maintaining marine fisheries habitat. The project will dredge an 8'x400' channel to -4' mean low water (MLW) between the pond and the ocean. Inside the pond, a channel 60'x300' and a fan shaped area about 300'x450', encompassing about 115,000 square feet (SF), will be dredged to -5' MLW with a 1' overdredge. About 9,800 cubic yards (CY) of sand will be dredged and discharged to beaches to the east, fronting on the Atlantic Ocean. Approximately 10,027 CY will be placed in a 54,605 SF area above the high tide line (HTL), and 2,854 CY will be placed in a 103,891 SF area below the HTL along 1,100' on the Atlantic Ocean side of the beach. The work is described on the enclosed two sets of plans. The first set is entitled "PURPOSE PROPOSED DREDGE," on four sheets and revised on "9/26/00." The second set is entitled "PURPOSE: BEACH NOURISHMENT," on five sheets, and revised on "MAR. '99."

Project Location:

The dredge and disposal areas are located in the southeast corner of Great Pond. The project is located on the USGS Tisbury, Massachusetts quadrangle sheet at UTM coordinates 4578350 N and 361750 E.

Permit Conditions:

General Conditions:

December 31, 2005

1. The time limit for completing the work authorized ends on December 31, 2005. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archaeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. The permittee shall ensure that a copy of this permit is at the work site whenever work is being performed and that all personnel performing work at the site of the work authorized by this permit are fully aware of the terms and conditions of the permit. This permit, including its drawings and any appendices and other attachments, shall be made a part of any and all contracts and sub-contracts for work which affects areas of Corps of Engineers jurisdiction at the site of the work authorized by this permit. This shall be done by including the entire permit in the specifications for work.

(Special Conditions continued on Page 4)

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

☒ Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

☒ Section 404 of the Clean Water Act (33 U.S.C. 1344).

☐ Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

(PERMITTEE)

(DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

(DISTRICT ENGINEER)
Brian E. Osterndorf
Colonel, Corps of Engineers

(DATE)

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFeree)

(DATE)

(Special Conditions Continued from Page 2)

1. (Continued.) If the permit is issued after the construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. If the permit is issued after receipt of bids or quotes, the entire permit shall be included in the contract or sub-contract as a change order. The term "entire permit" includes permit amendments. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions of the entire permit, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps jurisdiction.

2. This authorization neither authorizes nor requires work on any property without permission of the property owner.

3. There shall be no work performed between March 15 to June 15 of any year to protect finfish passage, spawning and larval development in the project area.

4. The Federally-listed threatened piping plover (*Charadrius melodus*) is known to nest and feed in the vicinity of this project's dredge and disposal activities — on the barrier beach separating Great Pond from the Atlantic Ocean and the Pond's shorelines. Potential adverse effects to the piping plover may result from disturbance to or mortality of breeding plovers and their young from dredging equipment and beach nourishment activities occurring when plovers are present (April through August). In order to minimize potential adverse effects to the piping plover, all construction activities are prohibited on suitable piping plover breeding habitat during the period April 1 to September 1 of each year unless:

a. Each year, before dredging and beach nourishment activities take place, a qualified piping plover monitor shall determine whether suitable piping plover breeding habitat exists at Great Pond. A qualified piping plover monitor is a person who has the skills, knowledge, and ability to conduct monitoring. Aptitude for monitoring includes keen powers of observation, familiarity with avian biology, experience observing birds or other wildlife for sustained periods, tolerance for adverse weather, patience, and the ability to maintain detailed organized notes.

b. Suitable piping plover breeding habitat that is degraded by work performed under this authorization shall be restored to its pre-construction level of suitability immediately following completion of work at that site. The proposed 10:1 slope for beach nourishment falls within the suitable habitat parameters and may not be exceeded.

c. If plovers are present in the project area, they must be monitored *daily* during project activities and, if it is determined that piping plovers are disturbed by the activity:

(1) All work ceases immediately and;

(2) The U.S. Fish and Wildlife (US FWS) is notified immediately at (603) 225-1411 for further consultation. Piping plover monitoring field notes shall be provided

to the US FWS upon request. Piping plover monitoring is the process of observing and recording data on piping plover breeding activities without causing disturbance to the birds under observation. Monitoring includes, but is not limited to, detecting and recording locations of territorial and courting adults, locating nests and incubating adults, locating broods, interpreting piping plover behaviors, and documenting observations in legible, complete field notes. Except to determine the number of eggs in a newly discovered nest, monitoring is done using binoculars or spotting scopes from a distance of at least 50 meters.

d. Changes in water level and the amount of exposed shoreline within 200 yards on either side of the dredged area and within the channel must be monitored and quantified on a weekly basis for three consecutive years between the dates of March 1st and September 1st. Dr. Scott Melvin of the Massachusetts Division of Fisheries and Wildlife (508-792-7270 ext. 150) should be consulted in the design of the shoreline and channel monitoring program. Copies of the report must be sent to the U.S. Fish and Wildlife Service upon completion of the annual dredge cycle. Should data indicate that plover feeding habitat is being adversely affected, additional consultation with the U.S. Fish and Wildlife Service may be required.

e. Should information from shoreline or breeding plover monitoring reports indicate that adverse effects rise above the level of insignificant and discountable, the permittee shall notify the Corps of Engineers. The Corps contact is Greg Penta at (978) 318-8862. The Corps will determine if consultation should be reinitiated under Section 7 of the Endangered Species Act. The consultation could potentially result in permit modification, suspension, or revocation. "Discountable effects" are those effects that are extremely unlikely to occur. Based on best judgement, a person would not:

- (1) be able to meaningfully measure, detect, or evaluate insignificant effects; or
- (2) expect discountable effects to occur.



Sluiceway Approach

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO:
ATTENTION OF:

December 19, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2005-4048

Lynne Fraker, Dredge Administrator
Town of Edgartown
Dredge Advisory Committee
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to dredge and maintain the approach to a sluiceway and fish run in Great Pond, Edgartown, Massachusetts. The project will dredge an approximately 138,186 square foot (SF) area to a depth of -4 feet mean low water. Approximately 9,800 cubic yards of sand will be removed by hydraulic methods and disposed of on the adjacent beach in a 47,851 SF area, of which 31,152 SF are below the high tide line. Note that this description does not include dredging the sluiceway between Great Pond and Edgartown Harbor, as this was not included in the application. The work is described on the enclosed plans entitled "Water Quality and Water Level Control, At Sluiceway Approach, Town of Edgartown," on five sheets, and dated "May 22, 2001."

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP) provided you comply with the following special condition:

There shall be no dredging or disposal from April 15th to August 15th in order to minimize adverse impact to piping plovers.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with the special condition provided above, all the terms and conditions of the PGP, and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.


You must commence or have under contract to commence the work authorized herein by January 20, 2010, and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

If you have any questions, please contact Kevin Kotelly of my staff at (978) 318-8703.

Sincerely,


Curtis L. Thalken
Colonel, Corps of Engineers
District Engineer

Enclosures

Copies Furnished:

Ed Reiner, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, Massachusetts 02114-2023

Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298

Maria Tur, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, New
Hampshire 03301-5087

Elizabeth F. Kouloheras, DEP Southeast Regional Office, Wetlands and Waterways,
20 Riverside Drive, Lakeville, Massachusetts 02347

Truman Henson, Coastal Zone Management, 251 Causeway Street, Suite 900, Boston,
Massachusetts 02114



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
698 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO:
ATTENTION OF:

December 23, 2005

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2005-4049

Lynne Fraker, Dredge Administrator
Town of Edgartown
Dredge Advisory Committee
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to continue beach nourishment operations associated with the Edgartown Great Pond and Herring Creek Restoration Project. The Edgartown Great Pond and Herring Creek Restoration Project involves the discharge of dredged and/or fill material within approximately 15,000 square feet of waters of the United States, including jurisdictional wetlands associated with the restoration of the sluiceway between the Edgartown Great Pond and Crackatuxet Pond and other fishery enhancement projects along Herring Creek in Edgartown, Massachusetts. The purpose for this project is to restore a historic anadromous fish run from Katama Bay through Herring Creek and Crackatuxet Pond to the Edgartown Great Pond. This project involves excavating the sluiceway between the Edgartown Great Pond and Crackatuxet Pond, installing a new sluiceway water control structure with associated scour protection; removing 3,000 square feet of cattails from the eastern end of Crackatuxet Pond; installing a culvert control structure and fishery resting pool at the Herring Creek Road culvert; and installing a flow restriction structure at the Katama Road culvert. Approximately 5,400 cubic yards of material will be excavated and deposited at South Beach landward of the approximate high tide line. In addition, the Town of Edgartown proposes to manually remove vegetation impeding fish migration at the east end Crackatuxet Pond and in Herring Creek. This work is described on the enclosed plans entitled "Fisheries Restoration, Town of Edgartown, Great Pond/Herring Creek, Edgartown," on 21 sheets, and dated "6/21/02" and revised "6/27/02" and 9/05/02".

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts. Therefore, this work is authorized as a Category II activity under the Federal permit, Massachusetts Programmatic General Permit (PGP) provided you comply with the following special conditions:

1. All temporary construction access ways and staging areas shall be located on existing paved roads and/or as per the enclosed drawings in order to minimize direct and indirect impacts to archaeological sites. Any proposed modifications shall be approved by the project's design engineer prior to submission to the Corps of Engineers (Corps) for review and approval. Such modifications shall not be implemented until the Corps approves them in writing.

2. All suitable piping plover habitat created by work performed under this authorization shall be managed (a) in accordance with the attached Guidelines for Managing Recreational Activities in Piping Plover Breeding Habitat on the U.S. Atlantic Coast to Avoid Take Under Section 9 of the Endangered Species Act issued by the U.S. Fish and Wildlife Service in 1996 and (b) in consultation with the Supervisor, New England Field Office, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, NH 03301, Telephone (603) 223-2541.
3. Each year, before dredged material is placed at any site, a qualified piping plover monitor shall determine whether suitable piping plover nesting habitat exists at that site. A qualified piping plover monitor is a person who has the skills, knowledge, and ability to conduct monitoring. Aptitude for monitoring includes keen powers of observation, familiarity with avian biology, experience observing birds or other wildlife for sustained periods, tolerance for adverse weather, patience, and the ability to maintain detailed organized notes. The permittee shall contact the U.S. Fish and Wildlife Service at (603) 223-2541 before placing dredged material at any site where the monitor determines that suitable piping plover habitat exists.
4. Suitable piping plover nesting habitat that is degraded by work performed under this authorization shall be restored to its pre-construction level of suitability immediately following completion of work at that site. The applicant shall provide the U.S. Fish and Wildlife Service with a copy of a work-start notification form as well as a ground photograph of the post-construction site (Send to: Supervisor, New England Field Office, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, NH 03301).
5. No dredge disposal/beach nourishment shall occur at South Beach during the period between April 1st and September 1st of any year, in order to protect nesting habitat of the Atlantic Coast piping plover (*Charadrius melodus*) unless:
 - a. At least two weeks before construction begins you notify the Corps, the U.S. Fish and Wildlife Service (603) 223-2541 and MassWildlife (508) 792-7270 x150 of (1) when construction activities are proposed to start and (2) the location of the construction activities. You may not begin dredge disposal or beach nourishment activities at South Beach until you have received written notification of the time-of-year extension from the Corps and the U.S. Fish and Wildlife Service;
 - b. A qualified piping plover monitor is in place to document the location and activities of breeding piping plovers at least one week prior to the start of any construction activity. In any calendar year pre-activity surveys shall begin one week prior to April 1 or one week prior to the commencement of any on-site project activity, whichever occurs first. On at least four non-consecutive days the piping plover monitor shall survey the project area (including landing, staging, operation, sand-transport and beach nourishment areas) for the occurrence of territorial, courting or nesting piping plovers. Each day's monitoring shall consist of two separate surveys conducted during different times of the tidal cycle;

- c. During construction periods at South Beach all areas of beach and dune habitat where dredged materials are to be placed shall be monitored every three days by a qualified piping plover monitor for the presence of piping plovers, their nests, or recent scrapes that indicate that plovers are present and engaged in pre-nesting behavior. This monitoring shall be conducted by a trained biologist who is experienced in shorebird observation and identification, and shall continue from April 1 until the beach nourishment is completed;
 - d. No beach nourishment work shall occur within 300 feet of any piping plover nest, active scrapes, or areas where adult plovers are engaged in territorial behavior or courtship. If a nest is found during the construction activity, it shall immediately be protected with symbolic fencing (twine or rope strung between wooden posts with warning signs) in order to maintain at least a 50 yard-wide buffer from other human disturbance around the nest;
 - e. After beach nourishment is completed, those sections of South Beach where dredged materials have been placed shall be monitored on a weekly basis until at least July 1 by a qualified piping plover monitor to determine if piping plovers use the site for nesting or chick-rearing;
 - f. If plover nests or scrapes are found post-construction, or if plovers are observed in pre-nesting behavior, then the sections of beach where those plover activities have been observed shall be protected with symbolic fencing as noted above. Further, the Town of Edgartown shall take steps to protect these birds, their habitats, and any eggs or chicks that are present from adverse effects of off-road vehicles and pedestrians, following the attached Guidelines for Managing Recreational Activities in Piping Plover Breeding Habitat on the U.S. Atlantic Coast to Avoid Take Under Section 9 of the Endangered Species Act;
 - g. Plovers located further than 300 feet and less than 1000 feet from construction activities, shall be monitored continuously during project activities by a qualified piping plover monitor and, if it is determined that piping plovers are disturbed by the activity, (1) all work ceases immediately and (2) the U.S. Fish and Wildlife Service is notified immediately at (603) 225-2441 for further consultation;
 - h. If a crushed nest or a dead piping plover chick or adult is found, the permittee immediately contacts the Division of Law Enforcement, U.S. Fish and Wildlife Service, Charlestown Navy Yard, 120 Second Avenue, Charlestown, MA 02129, Telephone (617) 424-5750.
6. Beach nourishment sands placed at South Beach shall be graded to a slope no steeper than 10 (horizontal) to 1 (vertical).
7. Vegetation shall not be planted nor sanding fencing installed on the beach nourishment areas on South Beach.

8. Periodic maintenance dredging to the area and depth limits described herein is authorized until January 11, 2006, provided disposal of the dredged material is at an upland site. NOTE: No periodic maintenance dredging shall be performed between April 1st and November 1st of any year in order to protect the spawning, nursery, and foraging habitat of anadromous fish species.
9. Except where stated otherwise, reports, drawings, correspondence and any other submittals required to be sent to the Corps of Engineers shall be marked with the words "Corps of Engineers File No. 200202110, Town of Edgartown/Edgartown Great Pond and Herring Creek Restoration" and shall be addressed to "CENAB-R-PT, Compliance Section, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, Massachusetts 01742-2751." Documents which are not marked and addressed in this manner may not reach their intended destination and do not comply with the requirements of this permit.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives the necessary 401 Water Quality Certification. In the event the State denies 401 Water Quality Certification, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the enclosed PGP.

You must perform the activity authorized herein in compliance with the special conditions provided above, all the terms and conditions of the PGP and any conditions placed on 401 Water Quality Certification including any required mitigation. Please review the enclosed PGP carefully, including the PGP conditions beginning on page 9, to familiarize yourself with its contents. You are responsible for complying with all of the PGP requirements; therefore, you should be certain that whoever does the work fully understands all of the conditions. You may wish to discuss the conditions of this authorization with your contractor to ensure the contractor can accomplish the work in a manner that conforms to all requirements.

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS indicated that the proposed restoration projects will enhance EFH.

Your project is located within, or may affect resources within the coastal zone. Therefore, in order for the above determination of eligibility to become the Federal authorization, a Federal consistency concurrence from the Massachusetts Office of Coastal Zone Management (MCZM) is required. However, MCZM has already determined that no further Federal Consistency Review is required.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

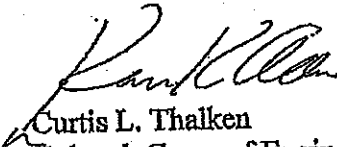
You must commence or have under contract to commence the work authorized herein by January 20, 2010, and complete the work by January 20, 2011, unless the Massachusetts PGP is modified, suspended, or revoked, such that the activity would no longer comply with the terms and conditions of the Massachusetts PGP.

This authorization requires you to notify us before beginning work and allow us to inspect the project. Therefore, you must complete and return the enclosed Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

If you have any questions, please contact Kevin Kotelly of my staff at (978) 318-8703.

Sincerely,


Curtis L. Thalken
Colonel, Corps of Engineers
District Engineer

Enclosures

Copies Furnished:

Ed Reiner, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWQ,
Boston, Massachusetts 02114-2023
Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298
Maria Tur, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, New
Hampshire 03301-5087
Elizabeth F. Kouloheras, DEP Southeast Regional Office, Wetlands and Waterways,
20 Riverside Drive, Lakeville, Massachusetts 02347
Truman Henson, Coastal Zone Management, 251 Causeway Street, Suite 900, Boston,
Massachusetts 02114



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

Sengekontacket
Borrow Site #1

REPLY TO:
ATTENTION OF:

May 29, 2007

Regulatory Division
CENAB-R-PEA
Permit Number: NAB-2006-3749

Mr. Charles Blair, Harbormaster
Town of Edgartown Dredge Advisory Committee
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Mr. Blair:

We have reviewed your application to dredge three areas in Sengekontacket Pond, Edgartown, Massachusetts, as follows:

- Dredge Area #1 – to dredge an approximately 720,000 square foot (SF) area near the Big Bridge to a depth of 5 feet (ft) below mean low water (MLW). Approximately 67,000 cubic yards (CY) of sand will be removed by hydraulic means.
- Dredge Area #2 – to dredge an approximately 147,814 SF area near the Little Bridge to a depth of 3 ft below MLW. Approximately 2,500 CY of sand will be removed by hydraulic means.
- Dredge Area #3 – to dredge an approximately 12,000 SF area from the channel outside Sengekontacket Pond at the Little Bridge to a depth of 5 ft below MLW. Approximately 4,000 CY of sand will be removed by hydraulic means.

Dredged material will be used for beach nourishment at Sylvia State Beach. The work is shown on the attached plans entitled, "Sengekontacket Pond Dredging, Sengekontacket Pond, Edgartown and Oak Bluffs, MA, Dukes County," on 5 sheets, and dated, "April 5, 1993," and entitled, "Massachusetts Highway Department Interim Shore Protection Project, Oak Bluffs/Edgartown," on 8 sheets, and dated, "August, 1996."

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts on waters of the United States, including wetlands. Therefore, this work is authorized as a Category 2 activity under the attached Federal permit known as the Massachusetts Programmatic General Permit (PGP). This work must be performed in accordance with the terms and conditions of the PGP and also in compliance with the following special conditions:

1. There shall be no dredging or disposal from January 15th to June 15th of any year in order to minimize adverse impact to anadromous fish.
2. Dredge disposal activities on Sylvia State Beach may only occur outside of the piping plover breeding season, from September 1st through March 31st.
3. Dredge material on Sylvia State Beach must be graded to a slope of 10:1.
4. Vegetation may not be planted on any part of the newly-nourished beach.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives Water Quality Certification (WQC) as required under Section 401 of the Clean Water Act. In the event the DEP denies the 401 WQC, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the attached PGP.

Your project is located within, or may affect resources within the coastal zone. The Massachusetts Office of Coastal Zone Management (CZM) has already determined that no further Federal Consistency Review is required.

This authorization expires on January 20, 2010, unless the PGP is modified, suspended or revoked. You must complete the work authorized herein by January 20, 2010. If you do not, you must contact this office to determine the need for further authorization before continuing the activity. We recommend you contact us *before* this permit expires to discuss a time extension or permit reissuance.

If you change the plans or construction methods for work within our jurisdiction, please contact us immediately to discuss modification of this authorization. This office must approve any changes before you undertake them.

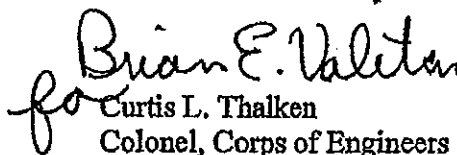
This authorization requires you to 1. notify us before beginning work so we may inspect the project, and 2. submit a Compliance Certification Form. You must complete and return the enclosed Work Start Notification Form to this office at least two weeks before the anticipated starting date. You must complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work.

This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law, as listed on Page 1 of the PGP. Performing work not specifically authorized by this determination or failing to comply with any special conditions provided above or all the terms and conditions of the PGP may subject you to the enforcement provisions of our regulations.

An individual permit was previously issued for this project in 1996. This Category 2 permit is being issued under the PGP as this project is now maintenance dredging. However, it is recommended that a new 10-year individual permit be processed before the expiration of this Category 2 PGP.

Please contact Kevin Kotelly of my staff at (978) 318-8703 if you have any questions.

Sincerely,


Curtis L. Thalken
Colonel, Corps of Engineers
District Engineer

Attachments

Christopher Boelke, National Marine Fisheries Service, One Blackburn Drive, Gloucester,
Massachusetts 01930-2298

Maria Tur, U.S. Fish and Wildlife Service, 70 Commercial Street, Suite 300, Concord, New
Hampshire 03301-5087

Elizabeth F. Koulouheras, DEP SERO, Wetlands and Waterways, 20 Riverside Drive, Lakeville,
Massachusetts 02347 (DEP File No.)

Robert Boeri, Coastal Zone Management, 251 Causeway Street, Suite 900, Boston,
Massachusetts 02114

Sengekontacket Inner
Channel

DEPARTMENT OF THE ARMY PERMIT

Permittee Town of Oak Bluffs

Permit No. 2009-01128

Issuing Office New England District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description:

To perform dredge improvements for an existing 100 ft wide x 6600 ft long navigation channel in Sengekontacket Pond to a depth of approximately -5 feet below the horizontal plane of mean low water. An estimated quantity of approximately 57,000 cubic yards of sand, with some clay and gravel, will be removed by hydraulic means. This estimated volume includes all overdredge material. The dredged material will be used for beach nourishment on Sylvia State Beach, Pay Beach and Inkwell Beach and will be placed above the high tide line.

This work is shown on the attached plans titled "Town of Oak Bluffs" pages 1-5 and dated 07-21-09, revised 10-05-09 and plans by Woods Hole Group, "Town of Oak Bluffs Proposed Dredging Plan for Segekontacket Pond" sheets 1-2, dated 06-26-09.

Project Location:

The dredge work is located at Sengekontacket Pond, Oak Bluffs, Massachusetts.

Permit Conditions:

General Conditions:

December 31, 2015

1. The time limit for completing the work authorized ends on _____. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

ENG FORM 1721, Nov 86

EDITION OF SEP 82 IS OBSOLETE.

(33 CFR 325 (Appendix A))

RECEIVED

MAY - 3 2010

OAK BLUFFS
CONSERVATION COMMISSION

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions:

1. The permittee shall ensure that a copy of this permit is at the work site whenever work is being performed and that all personnel performing work at the site of the work authorized by this permit are fully aware of the terms and conditions of the permit. This permit, including its drawings and any appendices and other attachments, shall be made a part of any and all contracts and sub-contracts for work which affects areas of Corps of Engineers jurisdiction at the site of the work authorized by this permit. This shall be done by including the entire permit in the specifications for work.

(Special Conditions continued on Page 4)

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

☒ Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

☐ Section 404 of the Clean Water Act (33 U.S.C. 1344).

☐ Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1415).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

- e. Damage claims associated with any future modification, suspension, or revocation of this permit.
4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.
5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

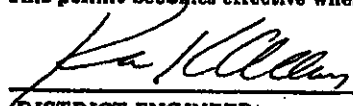
6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

(PERMITTEE)

(DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.



(DISTRICT ENGINEER)



(DATE)

Philip T. Feir
Colonel, Corps of Engineers

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE)

(DATE)

(Special Conditions continued from Page 2)

If the permit is issued after the construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. If the permit is issued after receipt of bids or quotes, the entire permit shall be included in the contract or sub-contract as a change order. The term "entire permit" includes permit amendments. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions of the entire permit, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps jurisdiction.

2. The permittee shall complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work.
3. Dredge slurry shall be dewatered in a dewatering pit/trench constructed on Sylvia State Beach. This will allow the suspended sediment to settle and the water to percolate through the sand back to the Atlantic Ocean. The scheduling of dredging and dewatering shall be such that the capacity of the dewatering pit/trench is not exceeded under any circumstances.
4. Periodic maintenance dredging to the area and depth limits described herein is authorized for ten years from the date of issuance of this permit, **provided disposal of the dredged material is at an upland site**. However, the permittee must notify this office, in writing, 60 days before the intended date of any such dredging and shall not begin such dredging until written authorization has been obtained. This 60-day notification is not required for the initial new and/or maintenance dredging authorized by this permit. A separate authorization shall be required for such dredging if the material to be dredged is to be deposited in open or ocean waters and/or wetlands.
5. The USFWS has identified the following special conditions to avoid adversely affecting piping plovers and formal consultation under Section 7 of the ESA.
 - The attached state-approved Piping Plover Management Plan ("Plan") or U.S. Fish and Wildlife Service (USFWS) approved Piping Plover Management Agreement ("Agreement") shall be in place and implemented for the proposed onshore dredge disposal and/or any related construction activity ("beach nourishment") location prior to, during and after any disposal of dredged material.
 - The initial and all subsequent beach nourishment activities authorized herein, unless otherwise directed by the Corps, shall be placed at a 10:1 (10 horizontal to 1 vertical) slope as shown on the attached plans and have no vegetation plantings on the foredune. This is to create or restore degraded plover habitat. Minimal plantings will be permitted on the back and top sides of the dune to prevent the birds from accessing the road.
 - All beach nourishment and related construction activities are prohibited on or within 200 meters of suitable piping plover nesting habitat from April 1st to September 1st of any year. If any disposal or construction activity could unavoidably extend into this restriction period, the permittee must notify the USFWS at least two weeks prior and the USFWS may require the following in order to avoid adversely affecting breeding piping plovers:

- A qualified piping plover monitor must be in place by April 1st of the year in which disposal is to occur to document location and activities of breeding plovers and to observe disposal activities relative to plover activities during the upcoming disposal period. In any calendar year, pre-disposal or related construction activity surveys shall begin one week prior to April 1st or one week prior to the commencement of any on-site project activity if the activity starts after April 1st. On at least four non-consecutive days, the piping plover monitor shall survey the project area (including landing, staging, operation, sand-transport and beach nourishment areas) for the occurrence of territorial, courting or nesting piping plovers. Each day's monitoring shall consist of two separate surveys conducted during different times of the tidal cycle;
- Dredge/disposal activities must be located 200 meters or more from piping plover territories and/or nests;
- Plovers must be monitored continuously during project activities. Piping plover monitoring field notes shall be provided to the USFWS upon request. Piping plover monitoring is the process of observing and recording data on piping plover breeding activities without causing disturbance to the birds under observation. Monitoring includes, but is not limited to, detecting and recording locations of territorial and courting adults, locating nests and incubating adults, locating broods, interpreting piping plover behaviors, and documenting observations in legible, complete field notes. Except to determine the number of eggs in a newly discovered nest, monitoring is done using binoculars or spotting scopes from a distance of at least 50 meters;
- If it is determined by the on-site qualified piping plover monitor that piping plovers are disturbed by the activity, all work shall cease immediately and the USFWS shall be notified immediately at (603) 223-2541 x22 for further consultation.

6. In association with authorized activities, if a crushed nest or a dead piping plover chick or adult is found, the permittee is required to immediately contact the Division of Law Enforcement, USFWS, Office of Law Enforcement, 70 Everett Avenue, Suite 315, Chelsea, MA 02150; (617) 889-6616.

7. The following management actions, which also may be listed in the approved Plan or Agreement, must be implemented each year following disposal in perpetuity as long as the piping plover monitor determines that it remains potentially suitable piping plover nesting habitat. This is to avoid adverse effects to Piping Plovers from recreational impacts associated with the nourished beach:

a. Any suitable piping plover habitat created by work performed under this authorization shall be managed in accordance with the USFWS, Northeast Region, April 15, 1994 document titled, *Guidelines for Managing Recreational Activities in Piping Plover Breeding Habitat on the U.S. Atlantic Coast to Avoid Take Under Section 9 of the Endangered Species Act* ("Guidelines") for managing recreational beaches on which Federally listed piping plovers may be present. This document is located at:
<http://www.fws.gov/northeast/pipingplover/recguide.html>.

b. The disposal area shall be posted with warning signs and/or "symbolic fencing" before April 1 of each year and managed according to the Guidelines.

8. These conditions are applicable as long as piping plovers are listed under Section 4 of the Endangered Species Act.

9. Essential Fish Habitat

a. National Marine Fisheries Service (NMFS) has provided the following recommendations:

- 1) There shall be no dredging or disposal from January 15 to June 15, inclusive, in order to minimize adverse impacts to winter flounder (*Pleuronectes americanus*)
- 2) An eelgrass monitoring plan shall be developed to ensure the protection of eelgrass beds adjacent to Inkwells and Pay beaches during beach nourishment. The monitoring plan shall be reviewed and approved in writing by the Corps of Engineers in consultation with NMFS prior to the start of any work authorized by this permit. The monitoring plan shall include, at a minimum:
 - a. four monitoring stations within existing beds (two within the beach work zones and two control sites outside the work zones);
 - b. data collected at the four monitoring stations should include
 - i. surficial sediment characteristics;
 - ii. eelgrass density, blade length, and condition;
 - c. four separate DGPS-positioned video transects to confirm the landward location of eelgrass beds;
 - d. one pre-construction survey shall be performed prior to the nourishment;
 - e. one post-construction survey shall be performed in September for any year that a nourishment event exceeds 2,500 cy in the prior year at Inkwells and Pay beaches.

10. Tribal Monitoring of Construction Work

a. The Tribal Historic Preservation Officer (THPO) of the Wampanoag Tribe of Gay Head - Aquinnah must be notified at least 7 business days prior to the start of dredging at the permit area. A tribal representative(s) must be allowed to be present during any ground disturbance or excavation activities to identify any possible cultural or historic items found on site during these construction activities. The representatives will need to comply with construction site safety requirements. During construction of work authorized herein, if a previously unidentified archaeological or other cultural resource is encountered within the area subject to Corps jurisdiction that might be eligible for listing in the National Register of Historic Places, he/she shall stop work and immediately notify the Corps.

b. The permittee shall conduct underwater archeological surveys by a licensed and approved marine archeologist.

(1) Underwater visual assessment of the 100-foot wide-x-1.1-mile long project area consisting of two separate phases of fieldwork, the first to be completed before dredging operations occur, and the second to be completed after dredging operations are finished.

(2) The underwater visual assessment will be performed by a qualified marine archaeologist with experience in submerged settlements archaeology. The 100-foot wide project area will be surveyed along transects to obtain comprehensive coverage of the study area.

Photo documentation (at a minimum) and a written report will be submitted to the Wampanoag Tribe of Gay Head – Aquinnah THPO and the Army Corps of Engineers Regulatory Division project manager for review.

No dredging is to occur outside of the limits specified horizontally and/or vertically identified on the project plans dated 7/21/09 revised 10/05/09.

REPLY TO:
ATTENTION OF:

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
898 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

September 18, 2008

*Bend in the
Road Beach*

Regulatory Division
CENAE-R-PEA
Permit Number: NAE-2008-1616

Lynne Fraker
Town of Edgartown
P.O. Box 739
Edgartown, Massachusetts 02539

Dear Ms. Fraker:

We have reviewed your application to place sand in a 25,000 square feet area below the high tide line for beach nourishment (9,800 cubic yards). Compatible sand would come from a permitted dredge area #1 in Sengekontacket Pond (Corps permit number NAE-2006-3749). The sand from the permitted dredge site will be pumped through a pipe to the beach nourishment site. This project is located in Nantucket Sound at Bend in the Road Beach, and Sengekontacket Pond off Beach Road, Edgartown Massachusetts. The work is shown on the attached plans entitled "Bend in the Road Beach Nourishment Town of Edgartown, MA", on 4 sheets, and dated "4-21-08".

Based on the information you have provided, we have determined that the proposed activity which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts on waters of the United States, including wetlands. Therefore, this work is authorized as a Category 2 activity under the attached Federal permit known as the Massachusetts Programmatic General Permit (PGP). This work must be performed in accordance with the terms and conditions of the PGP and also in compliance with the following special conditions:

1. Dredge slurry shall be dewatered in a dewatering pit/trench constructed on Bend in the Road Beach to allow the suspended sediment (i.e. sediment slurry) to settle and the water to percolate through the sand back to Nantucket Sound. The scheduling of dredging and dewatering shall be such that the capacity of the dewatering pit/trench is not exceeded under any circumstances.
2. There shall be no disposal from January 15 and June 30 of any year in order to minimize adverse impact to winter flounder spawning and rearing, and horseshoe crab spawning.
3. Any suitable piping plover habitat created by work performed under this authorization shall be managed in accordance with the U.S. Fish and Wildlife Service (U.S.FWS), Northeast Region, April 15, 1994 document titled Guidelines for Managing Recreational Activities in Piping Plover Breeding Habitat on the U.S. Atlantic Coast to Avoid Take Under Section 9 of the Endangered Species Act

-2-

- (Guidelines) for managing recreational beaches when federally-listed piping plovers are present. See www.fws.gov/northeast/pipingplover/recguide.html.
4. Before work takes place, assurance of plover management must be provided to the U.S. FWS through a management plan implemented by the permittee or signed management agreement between the permittee and a qualified entity. The U.S. FWS must approve the management plan. Permittees must contact Susi von Oettingen of the U.S. FWS at (603) 223-2541, extension 22 or susi_vonOettingen@fws.gov, for information on preparing a management agreement and its approval.
 5. Beach nourishment that is existing plover habitat should maintain a 10:1 slope and have no vegetation plantings.
 6. Each year, before dredged material is placed in any site authorized under this permit, a qualified piping plover monitor shall determine whether suitable piping plover nesting habitat exists at this site. A qualified piping plover monitor is a person who has the skills, knowledge, and ability to conduct monitoring. If such habitat is present, it shall be posted with warning signs and/or "symbolic fencing" before April 1 of each year and managed according to the Guidelines. "Symbolic fencing" refers to two strands of light-weight string, tied between posts to delineate a least a 50-meter radius around nest areas where pedestrians and vehicles should not enter.
 7. Each year, a qualified monitor shall determine whether suitable piping plover nesting habitat exists at disposal sites that have received dredged material under this authorization. If such habitat is present, it shall be posted with warning signs and/or "symbolic fencing" by April 1 of each year and managed according to the Guidelines referenced above.
 8. On suitable piping plover nesting habitat, all construction activities are prohibited during the period March 30 to September 1 of each year.

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) as designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS provided EFH conservation recommendations, which we included in special conditions # 1 listed above. This condition is intended to reduce turbidity and sedimentation effects on EFH.

You are responsible for complying with all of the PGP's requirements. Please review the attached PGP carefully, in particular the PGP conditions beginning on Page 9, to familiarize yourself with its contents. You should ensure that whoever does the work fully understands the requirements and that a copy of the permit document and this authorization letter are at the project site throughout the time the work is underway.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (DEP) issues or waives Water Quality Certification (WQC) as required under Section 401 of the Clean Water Act. In the event the DEP denies the 401 WQC, this determination becomes null and void. The address of the DEP Regional office for your area is provided in the attached PGP.

-3-

Your project is located within, or may affect resources within the coastal zone. The Massachusetts Office of Coastal Zone Management (CZM) has already determined that no further Federal Consistency Review is required.

This authorization expires on January 20, 2010, unless the PGP is modified, suspended or revoked. You must complete the work authorized herein by January 20, 2010. If you do not, you must contact this office to determine the need for further authorization before continuing the activity. We recommend you contact us *before* this permit expires to discuss a time extension or permit reissuance.

This authorization requires you to complete and return the enclosed Work Start Notification Form to this office at least two weeks before the anticipated starting date. You must also complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work and any required mitigation (but not mitigation monitoring, which requires separate submittals).

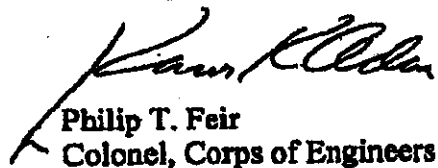
This authorization presumes that the work as described above and as shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, please submit a request for an approved jurisdictional determination in writing to this office.

This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law, as listed on Page 1 of the PGP. Performing work not specifically authorized by this determination or failing to comply with any special conditions provided above or all the terms and conditions of the PGP may subject you to the enforcement provisions of our regulations.

We continually strive to improve our customer service. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at <http://per2.nwp.usace.army.mil/survey.html>

Please contact John Sargent, of my staff at 978-318-8026 if you have any questions.

Sincerely,



Philip T. Feir
Colonel, Corps of Engineers
District Engineer

Attachments

Copies Furnished:

Ed Reiner, U.S. EPA, Region 1, 1 Congress Street, Suite 1100-Mail Code CWP, Boston,
Massachusetts 02114-2023

Cow Bay Beach



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO
ATTENTION OF

October 8, 2010

Regulatory Division
CENAE-R-PEA
File Number: NAE-2010-1627

Norman Rankow
Town of Edgartown
P.O. Box 3143
Edgartown, Massachusetts 02539

Dear Mr. Rankow:

We have reviewed your application to perform work and place fill below the high tide line (HTL) of waters of the United States in order to perform a beach nourishment project. Approximately 7,030 square feet (SF) of sand will be placed below the HTL of Sylvia State Beach and 271,973 SF of sand will be placed below the HTL of Cow Bay Beach, Edgartown, Massachusetts. The sand will be trucked from an upland stockpile area to the beach nourishment sites. Sylvia State Beach and Cow Bay Beach are up and down drift of Bend in the Road Beach which was previously permitted for 25,000 SF of beach nourishment under Corps permit #NAE-2008-1616.

The sand for the beach nourishment will come from three sources: The Sengecontacket Pond Inner Channel in Oak Bluffs permitted under Corps permit #NAE-2009-1128, Sengecontacket Pond Borrow Site 1 in Edgartown permitted under Corps permit #NAE-2008-1616, and from an upland quarry source on Cape Cod.

This project is located in Nantucket Sound at Sylvia State and Cow Bay Beaches in Edgartown, Massachusetts. The work is shown on the attached plans entitled, "PLAN ACCOMPANYING PETITION OF: Town of Edgartown Proposed Beach Nourishment for Sylvia State and Cow Bay Beaches, Edgartown, MA 02539," on 12 sheets, and dated, August 11, 2010.

Based on the information you have provided, we have determined that the proposed activity, which includes a discharge of dredged or fill material into waters or wetlands, will have only minimal individual or cumulative environmental impacts on waters of the United States, including wetlands. Therefore, this work is authorized as a Category 2 activity under the attached Federal permit known as the Massachusetts General Permit (GP). This work must be performed in accordance with the terms and conditions of the GP and also in compliance with the following special conditions:

1. *There shall be no dredging from January 15th to June 15th, inclusive, in order to minimize adverse impacts to alewife and winter flounder.*

2. *The initial and all subsequent beach nourishment activities shall be placed at a 10:1 (10 horizontal to 1 vertical) slope and have no vegetation plantings except in areas that will not adversely affect piping plover habitat.*
3. *No beach nourishment shall occur between April 1st and September 1st of any year.*
4. *A Piping Plover Management Plan or U.S. Fish and Wildlife Service approved Piping Plover Management Agreement shall be in place and implemented for the proposed onshore dredge disposal and/or any related construction activity ("beach nourishment") location prior to, during, and after any disposal of dredged material.*

The Corps of Engineers has consulted with the National Marine Fisheries Service (NMFS) regarding the effects of your project on Essential Fish Habitat (EFH) as designated under the Magnuson-Stevens Fishery Conservation and Management Act. The NMFS has not provided EFH conservation recommendations.

You are responsible for complying with all of the GP's requirements. Please review the attached GP carefully, in particular the GP conditions beginning on Page 5, to familiarize yourself with its contents. You should ensure that whoever does the work fully understands the requirements and that a copy of the permit document and this authorization letter are at the project site throughout the time the work is underway.

This determination becomes valid only after the Massachusetts Department of Environmental Protection (MassDEP) issues or waives Water Quality Certification (WQC) as required under Section 401 of the Clean Water Act. In the event the DEP denies the 401 WQC, this determination becomes null and void. The address of the MassDEP Regional office for your area is provided in the attached GP.

Your project is located within, or may affect resources within the coastal zone. The Massachusetts Office of Coastal Zone Management (CZM) has already determined that no further Federal Consistency Review is required.

This GP expires on January 21, 2015. Activities authorized under this GP that have commenced (i.e., are under construction) or are under contract to commence before this GP expires will have until January 21, 2016 to complete the activity under the terms and general conditions of the current GP. For work within Corps jurisdiction that is not completed by January 21, 2016, you will need to reference any reissued GP to see if your project is still authorized under Category 1 (no application required), or Category 2 (application required). If it is no longer authorized you must submit an application and receive written authorization before you can continue work within our jurisdiction. Please contact us immediately if you change the plans or construction methods for work within our jurisdiction. This office must approve any changes before you undertake them.

This authorization requires you to complete and return the attached Work Start Notification Form to this office at least two weeks before the anticipated starting date. You must also complete and return the enclosed Compliance Certification Form within one month following the completion of the authorized work.

This authorization presumes that the work as described above and as shown on your plans noted above is in waters of the U.S. Should you desire to appeal our jurisdiction, submit a request for an approved jurisdictional determination in writing to this office.

This permit does not obviate the need to obtain other federal, state, or local authorizations required by law, as listed on Page 2 of the GP. Performing work not specifically authorized by this determination or failing to comply with all the terms and conditions of the GP may subject you to the enforcement provisions of our regulations.

We continually strive to improve our customer service. In order for us to better serve you, we would appreciate your completing our Customer Service Survey located at <http://per2.nwp.usace.army.mil/survey.html>

Please contact Kevin Kotelly, of my staff at 978-318-8703 if you have any questions.

Sincerely,



Philip T. Feir
Colonel, Corps of Engineers
District Engineer

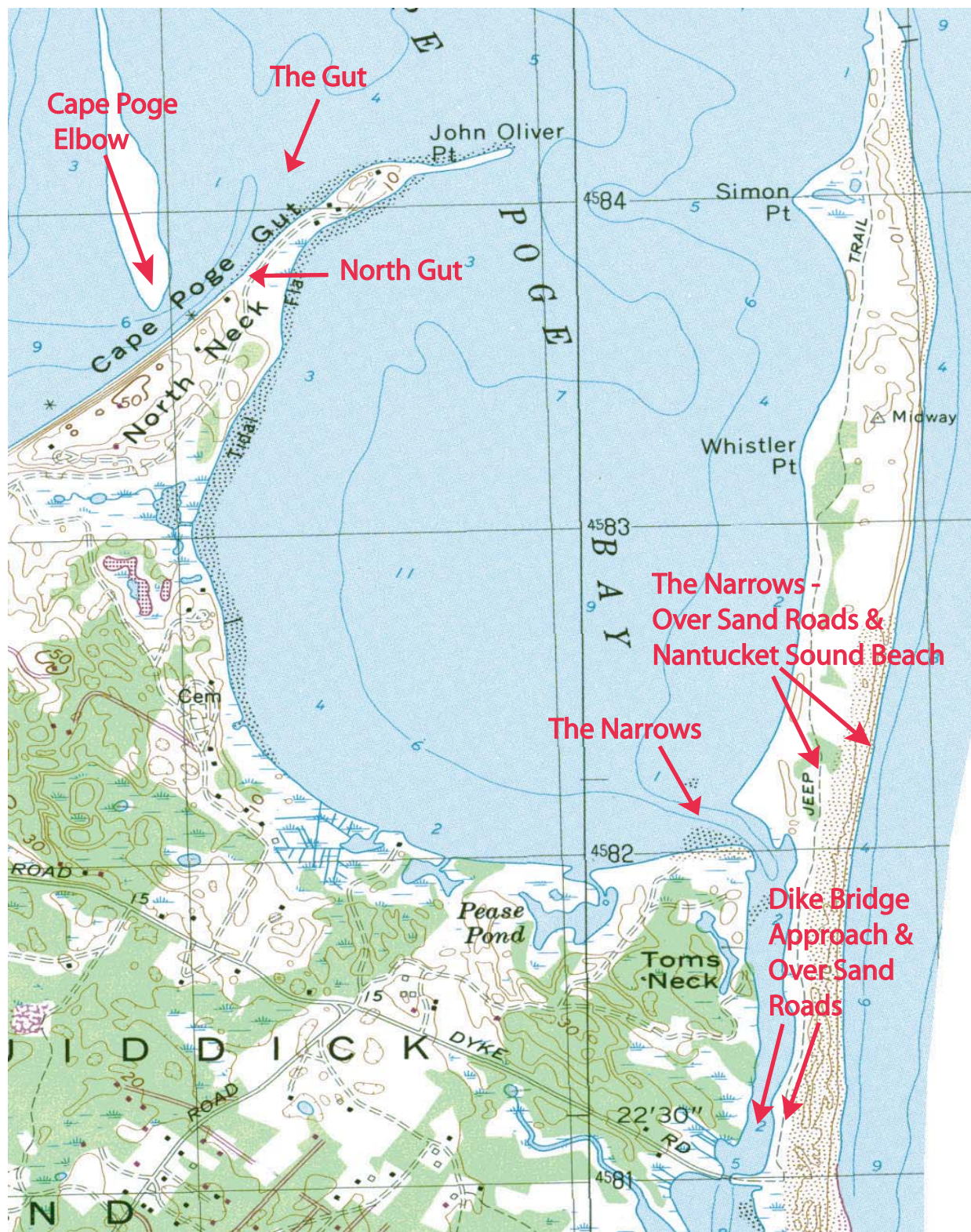
Attachments

Copies Furnished:

Ed Reiner, U.S. EPA, Region 1, Boston, Massachusetts, reiner.ed@epa.gov
Christopher Boelke, National Marine Fisheries Service, Gloucester, Massachusetts,
christopher.boelke@noaa.gov
Elizabeth F. Kouloheras, DEP SERO, Wetlands and Waterways, Lakeville, Massachusetts,
c/o lisa.ramos@state.ma.us
Steve Pothier, First Coast Guard District (dpw-2), Boston, Massachusetts,
steven.r.pothier@uscg.mil
Robert Boeri, Coastal Zone Management, Boston, Massachusetts, Robert.Boeri@state.ma.us
Tara Marden, 81 Technology Park Drive, East Falmouth, Massachusetts 02536

Section H

USGS Maps



The Woods Hole Group
81 Technology Park Drive
E. Falmouth, MA 02536

Town of Edgartown
Cape Poge Bay
Dredging & Beach Nourishment Locations
Edgartown, Massachusetts

USGS Edgartown Quadrangle



The Woods Hole Group
81 Technology Park Drive
E. Falmouth, MA 02536

Town of Edgartown
Edgartown Harbor & Eel Pond
Dredging & Beach Nourishment Locations
Edgartown, Massachusetts

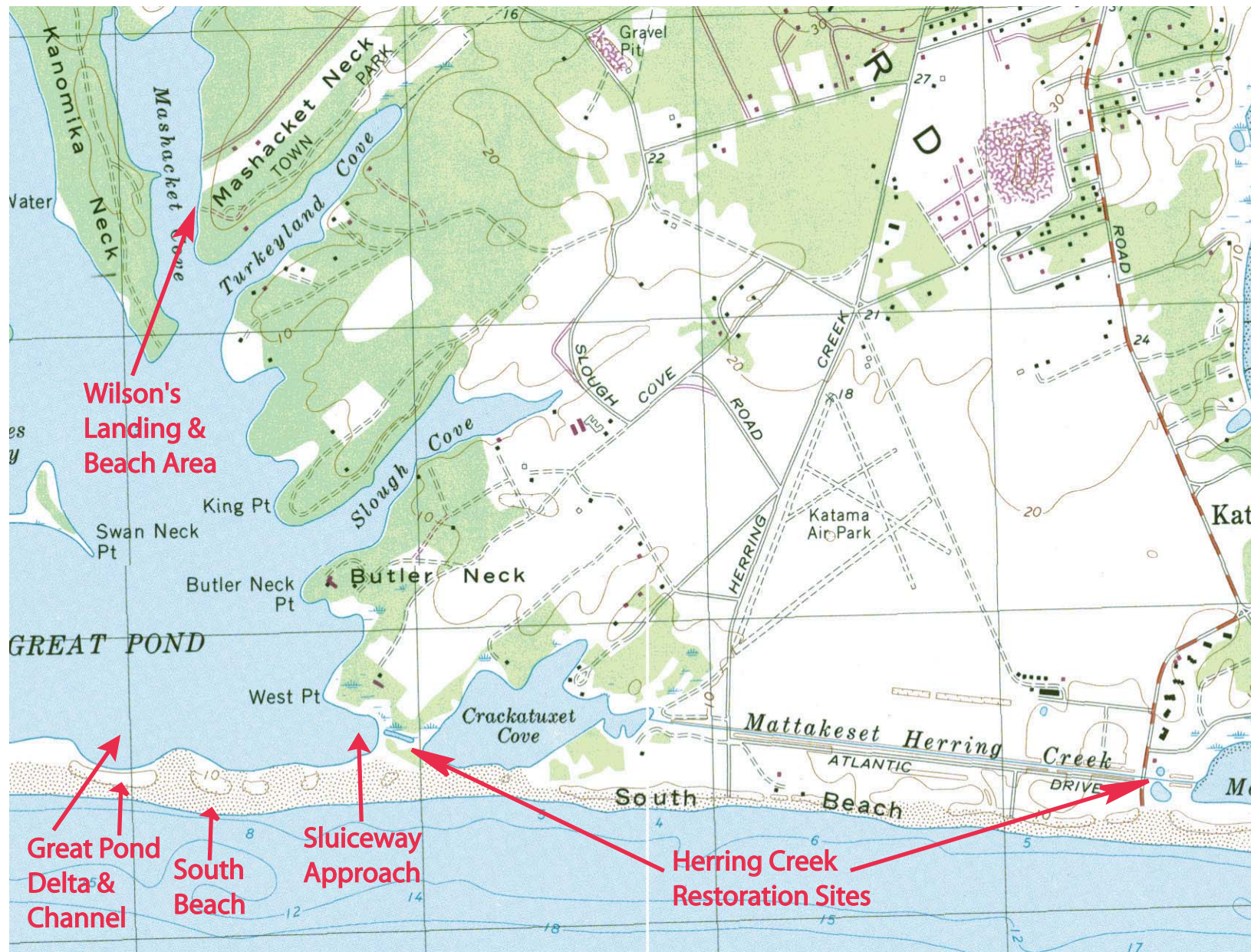
USGS Edgartown Quadrangle



The Woods Hole Group
81 Technology Park Drive
E. Falmouth, MA 02536

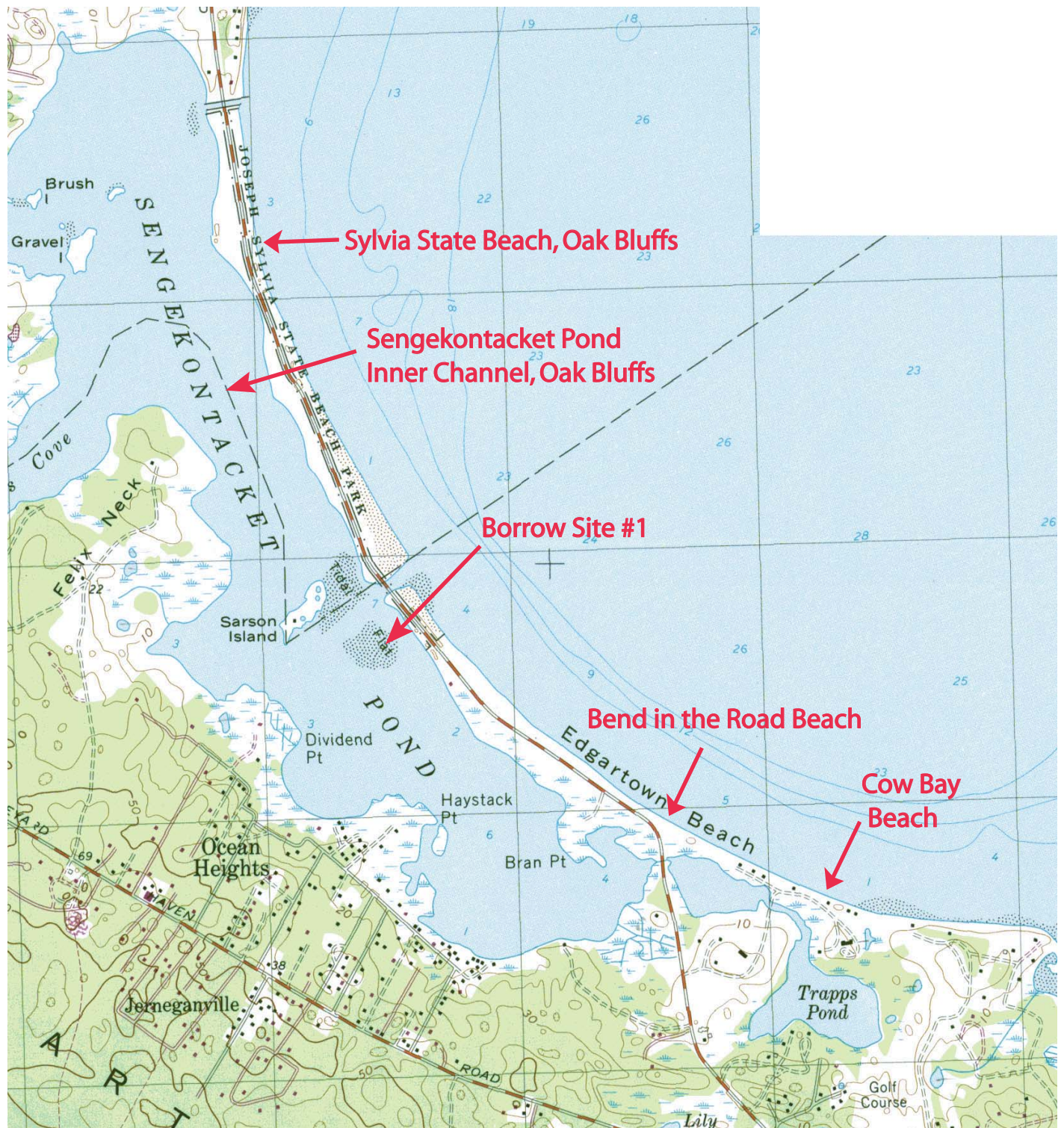
Town of Edgartown
Katama Bay Boat Ramp & Channel
Edgartown, Massachusetts

USGS Edgartown Quadrangle



The Woods Hole Group
81 Technology Park Drive
E. Falmouth, MA 02536

Town of Edgartown
Great Pond Dredging & Beach Nourishment Locations
Edgartown, Massachusetts / USGS Edgartown Quadrangle



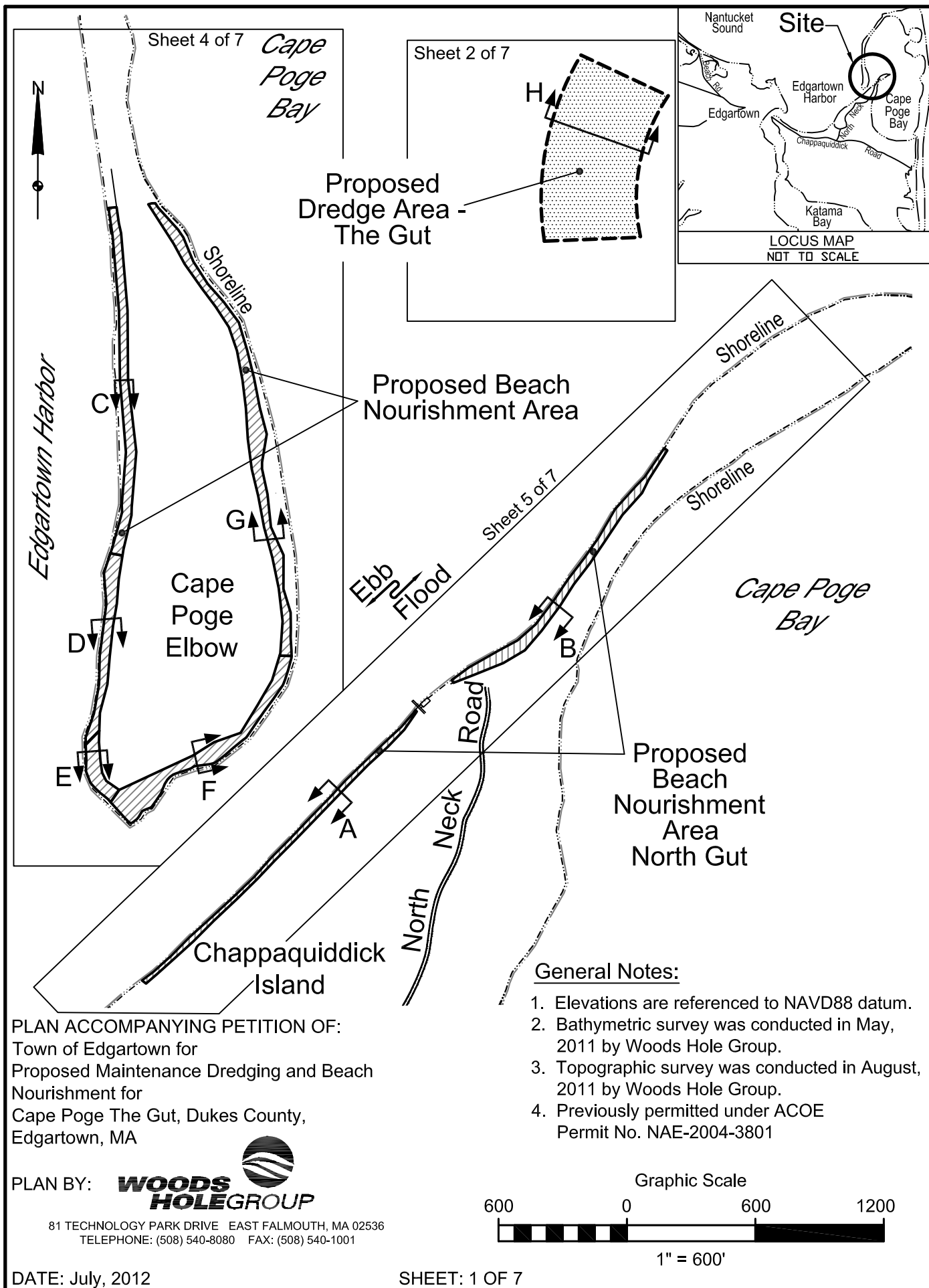
The Woods Hole Group
81 Technology Park Drive
E. Falmouth, MA 02536

Town of Edgartown
Sengekontacket Pond
Dredging & Beach Nourishment Locations
Edgartown and Oak Bluffs, Massachusetts

USGS Edgartown Quadrangle

Section I

Project Plans



Dredge Coordinates

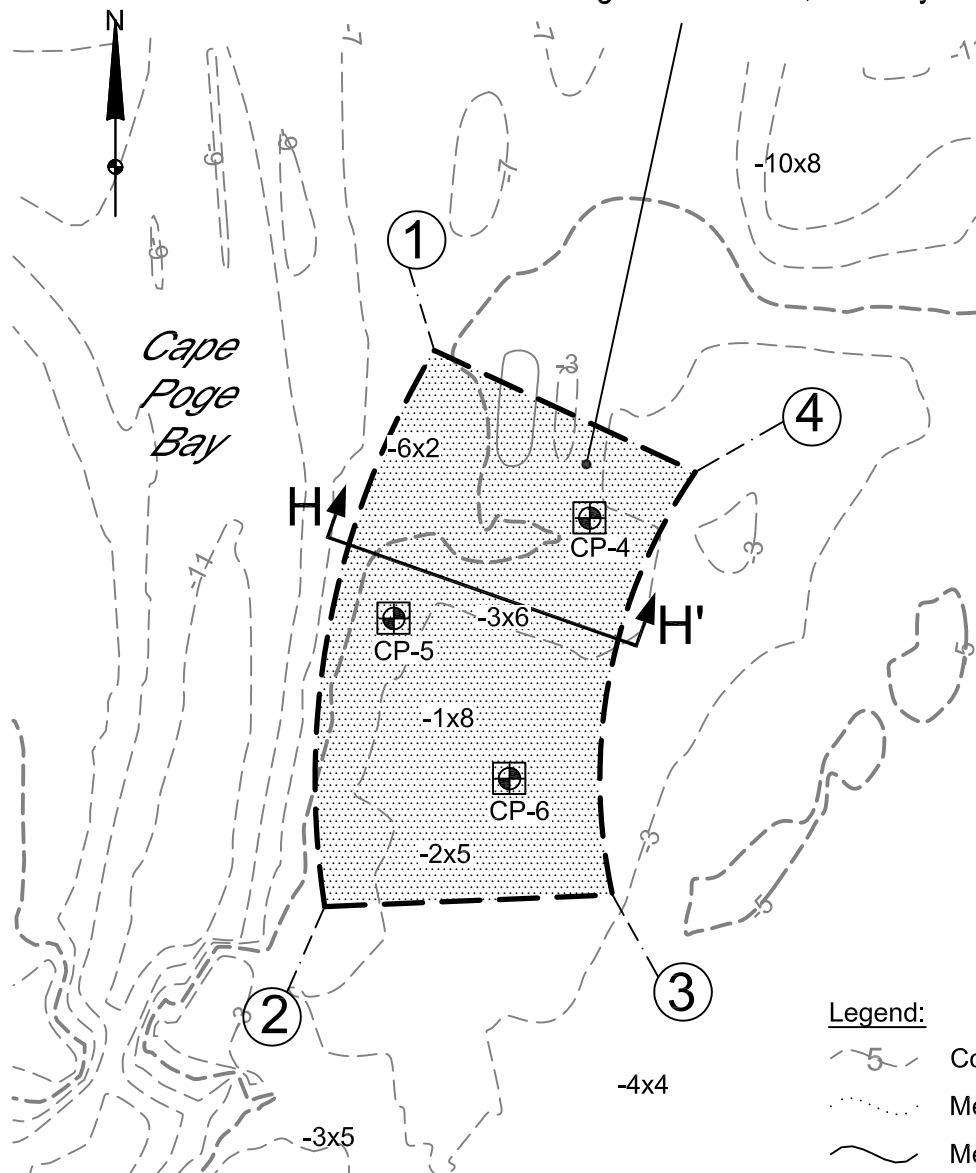
Northing Easting

1	2,609,265	939,471
2	2,608,686	939,356
3	2,608,698	939,656
4	2,609,138	939,472

Proposed Dredge Area
Dredge to -4' NAVD88
157,900± s.f.

Dredge Volume: 10,900± c.y.

Datum	NAVD88 ft
HTL	1.21
MHW	0.65
NAVD88	0
MTL	-0.49
MLW	-1.55



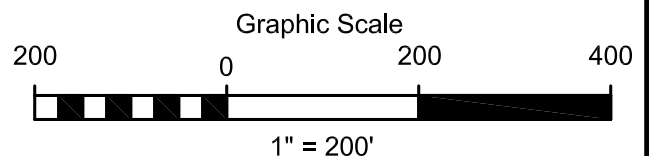
Proposed
Dredge Area
Entirely
Within
NHESP
Priority
Habitat &
DEP
Delineated
Eel Grass
Habitat

Legend:

- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Core Sample

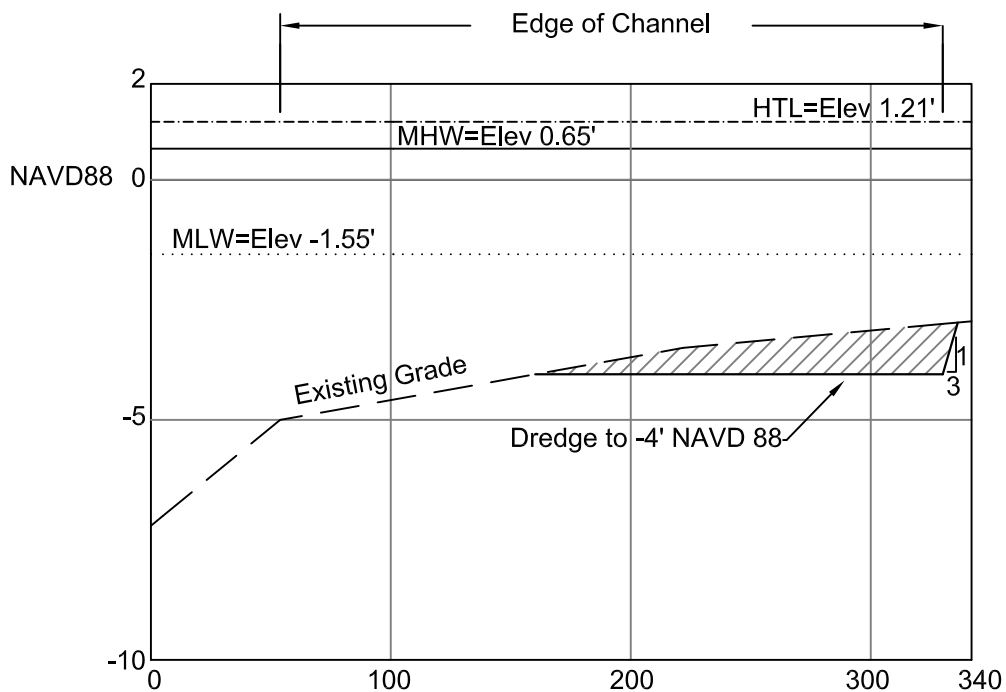
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Cape Poge The Gut

PLAN BY:



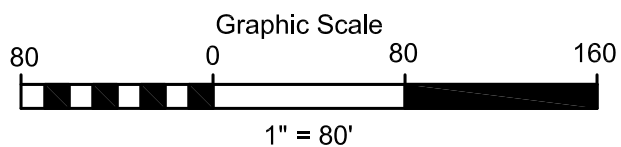
DATE: July, 2012

SHEET: 2 OF 7



Typical Dredge Cross-Section H-H

Scale: 1" = 80'
Dredge to Elev -4' NAVD 88



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Cape Poge The Gut

PLAN BY:



DATE: July, 2012

SHEET: 3 OF 7

2010-142_Site A ACOE.dwg



Shoreline

Assr. Pcl. 15-1
n/f
Cecca/
Gerros

Datum	NAVD88 ft
HTL	1.21
MHW	0.65
NAVD88	0
MTL	-0.49
MLW	-1.55

Proposed Beach
Nourishment Area =
140,000± s.f. of
which 29,500± s.f. is
below HTL

Assessor Parcel
15-2
n/f
Trustees of
Reservations

*Cape
Poge
Bay*

*Edgartown
Harbor*

Cape Poge Elbow 1

Assessor Parcel
15-3
n/f
Trustees of
Reservations

Cape Poge Elbow 3

Proposed Beach
Nourishment
Area Entirely
Within NHESP
Priority Habitat



Assessor Parcel
15-4
n/f
Trustees of
Reservations

Cape
Poge
Elbow

Cape Poge Elbow 4

Cape Poge Elbow 2

Legend:

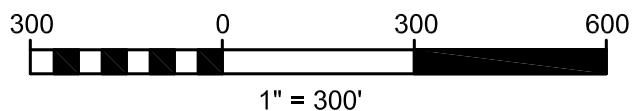
- Property Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Beach Nourishment
- Sediment Sample

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Cape Poge The Gut

PLAN BY:



Graphic Scale

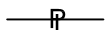
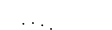






DATE: July, 2012

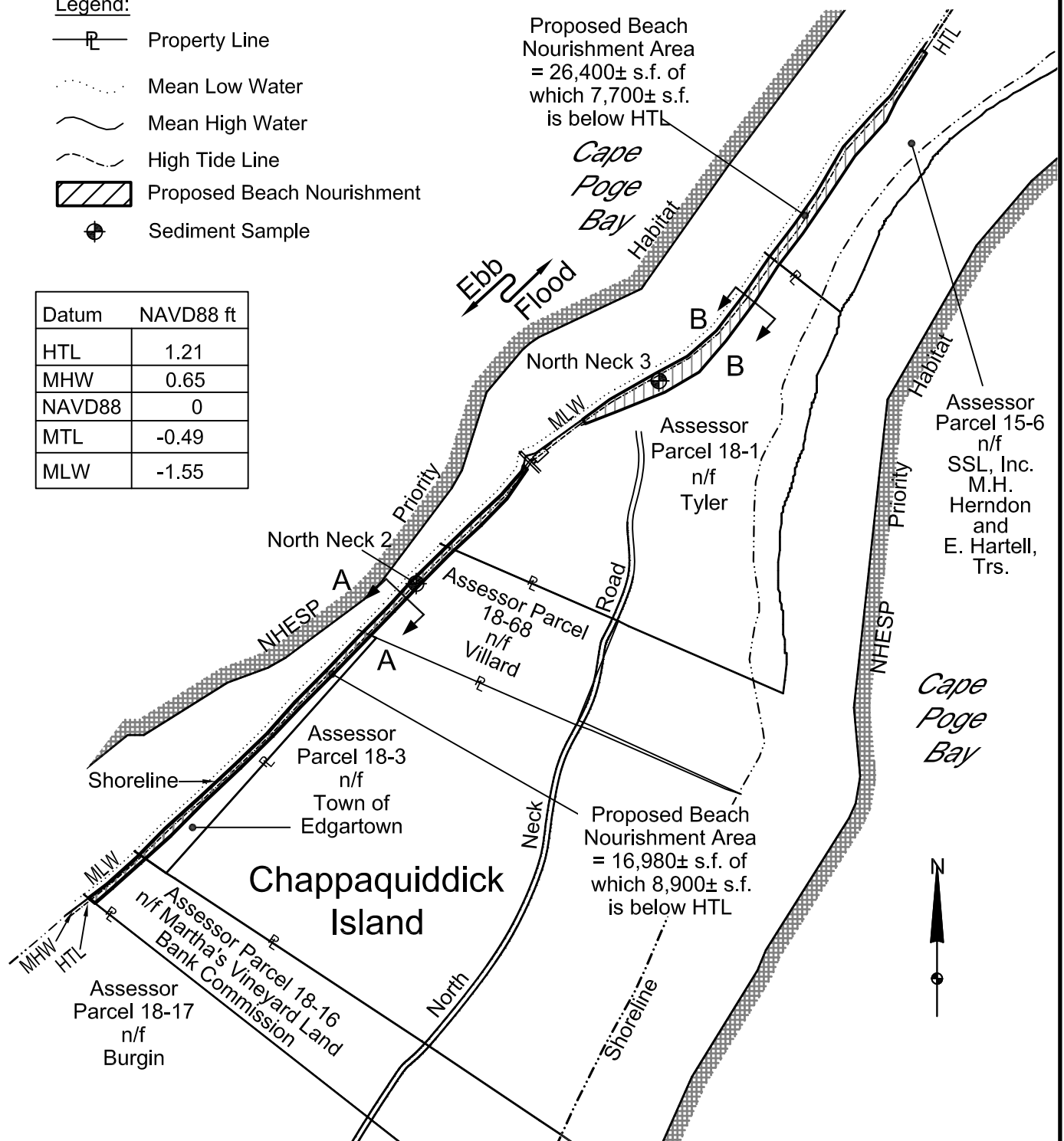
SHEET: 4 OF 7

2010-142_Site A ACOE.dwg

Legend:

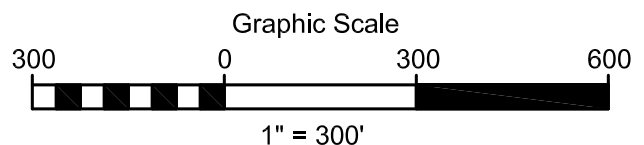
-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample

Datum	NAVD88 ft
HTL	1.21
MHW	0.65
NAVD88	0
MTL	-0.49
MLW	-1.55



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Cape Poge The Gut

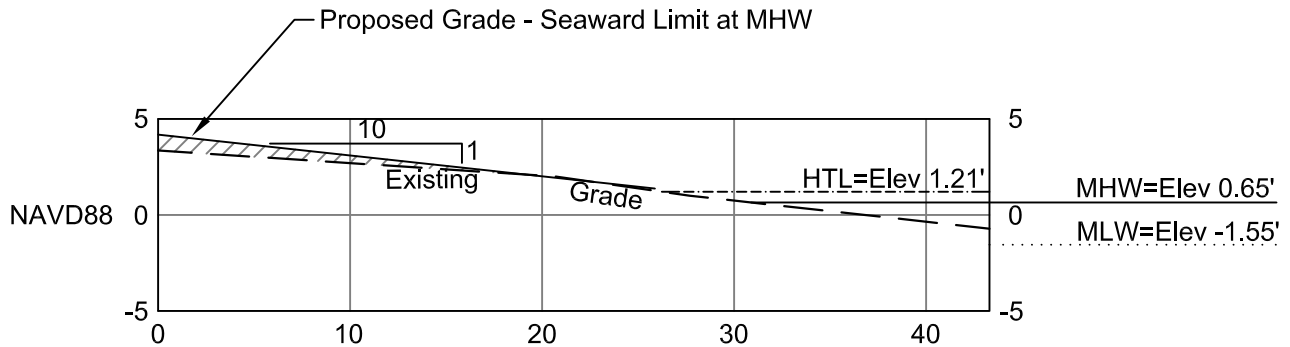
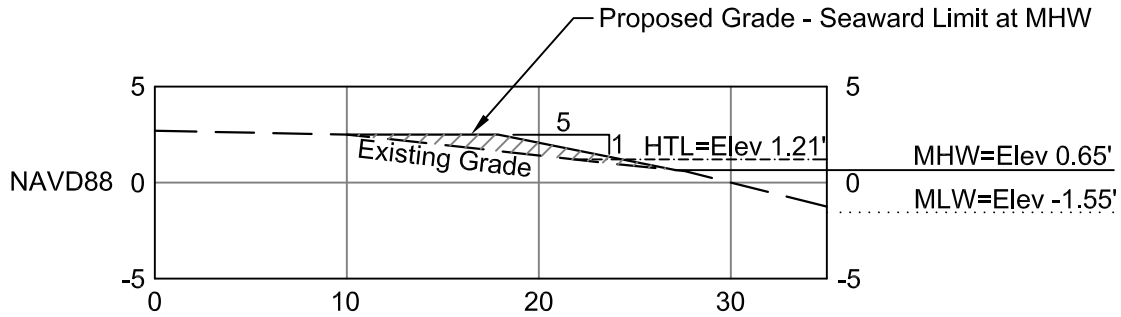
PLAN BY:



DATE: July, 2012

SHEET: 5 OF 7

2010-142_Site A ACOE.dwg



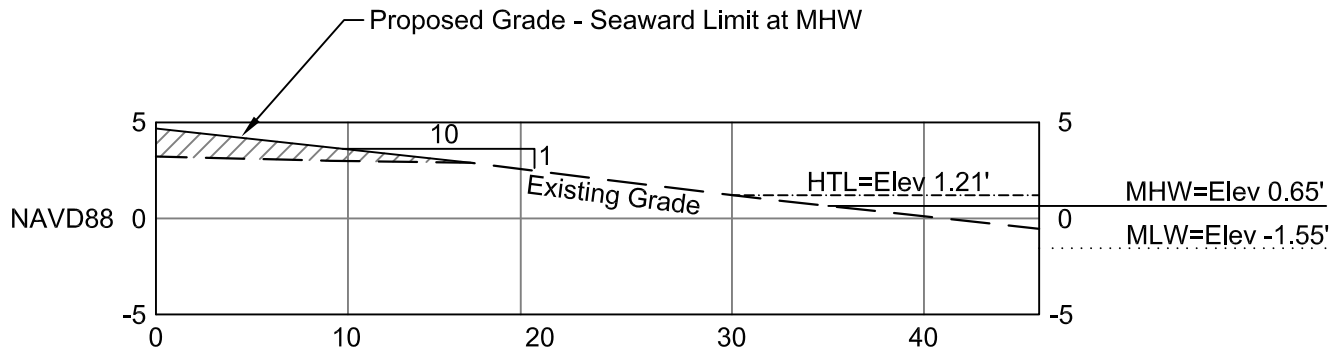
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Cape Poge The Gut

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

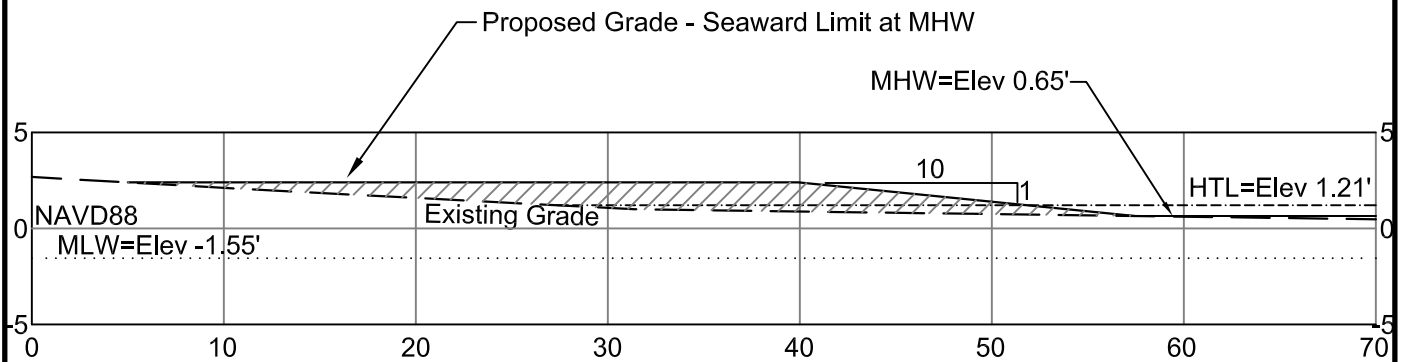
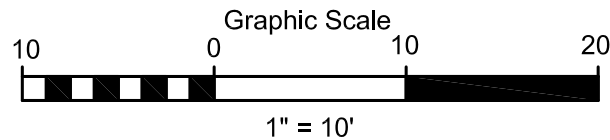
SHEET: 6 OF 7

2010-142_Site A ACOE.dwg



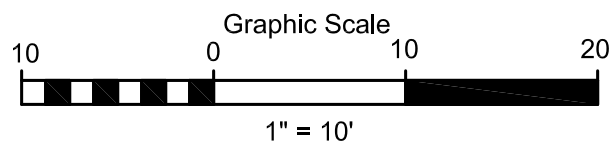
Beach Nourishment Cross-Section D-D

Scale: 1" = 10'



Beach Nourishment Cross Sections for Segments E-G

Scale: 1" = 10'



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Cape Poge The Gut

PLAN BY:



DATE: July, 2012

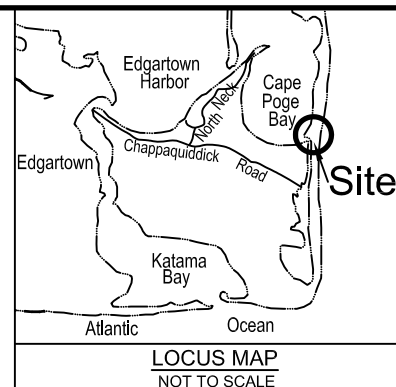
SHEET: 7 OF 7

2010-142_Site A ACOE.dwg



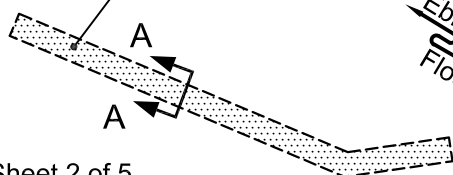
Cape Poge Bay

Shoreline



Site

Proposed Dredge Area - The Narrows



Ebb
Flood

Sheet 2 of 5

Shoreline

Chappaquiddick Island

Proposed Beach Nourishment Area - The Narrows Nantucket Sound Beach

B B

Nantucket Sound

Proposed Beach Nourishment Area - The Narrows Over Sand Roads

Sheet 4 of 5

General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in August, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2004-3803

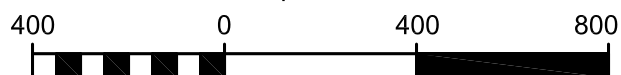
PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for Cape Poge,
The Narrows, Dukes County,
Edgartown, MA

PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

Graphic Scale



1" = 400'

Date: July, 2012









SHEET: 1 OF 5

2010-142_Site B ACOEdwg

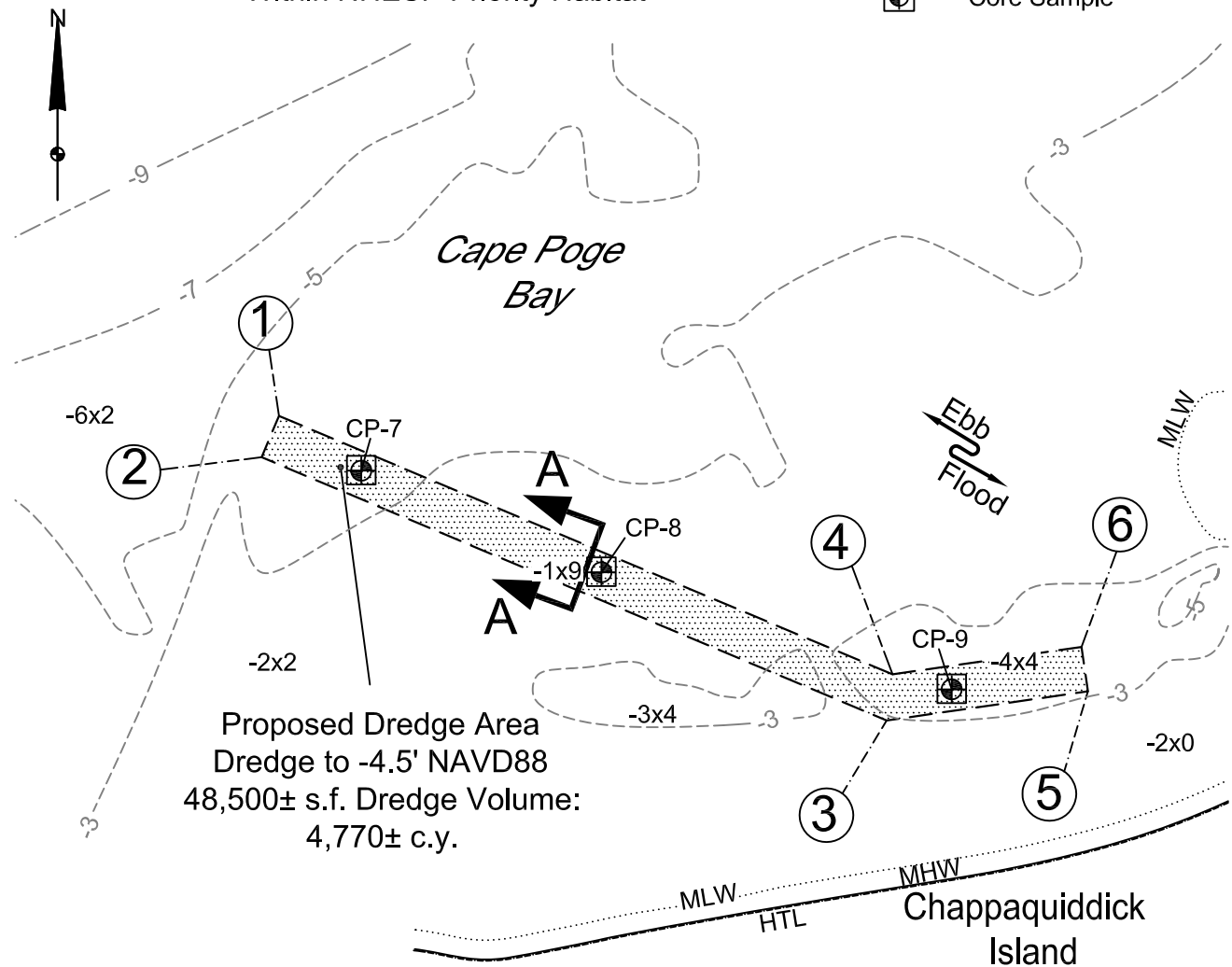
Dredge Coordinates		
	Northing	Easting
1	2,602,149	942,370
2	2,602,104	942,350
3	2,601,810	943,048
4	2,601,861	943,055
5	2,601,842	943,273
6	2,601,892	943,266

Datum	NAVD88 ft
HTL	1.21
MHW	0.65
NAVD88	0
MTL	-0.49
MLW	-1.55

Legend:

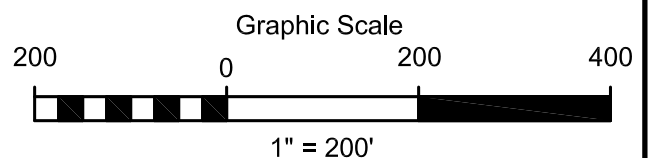
-  Property Line
-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Dredge Channel
-  Dredge Coordinates
-  Core Sample

Proposed Dredge Area Entirely
Within NHESP Priority Habitat



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for Cape Poge,
The Narrows

PLAN BY: **WOODS HOLE GROUP**



Date: July, 2012

SHEET: 2 OF 5

2010-142_Site B ACOEdwg

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for Cape Poge,
The Narrows

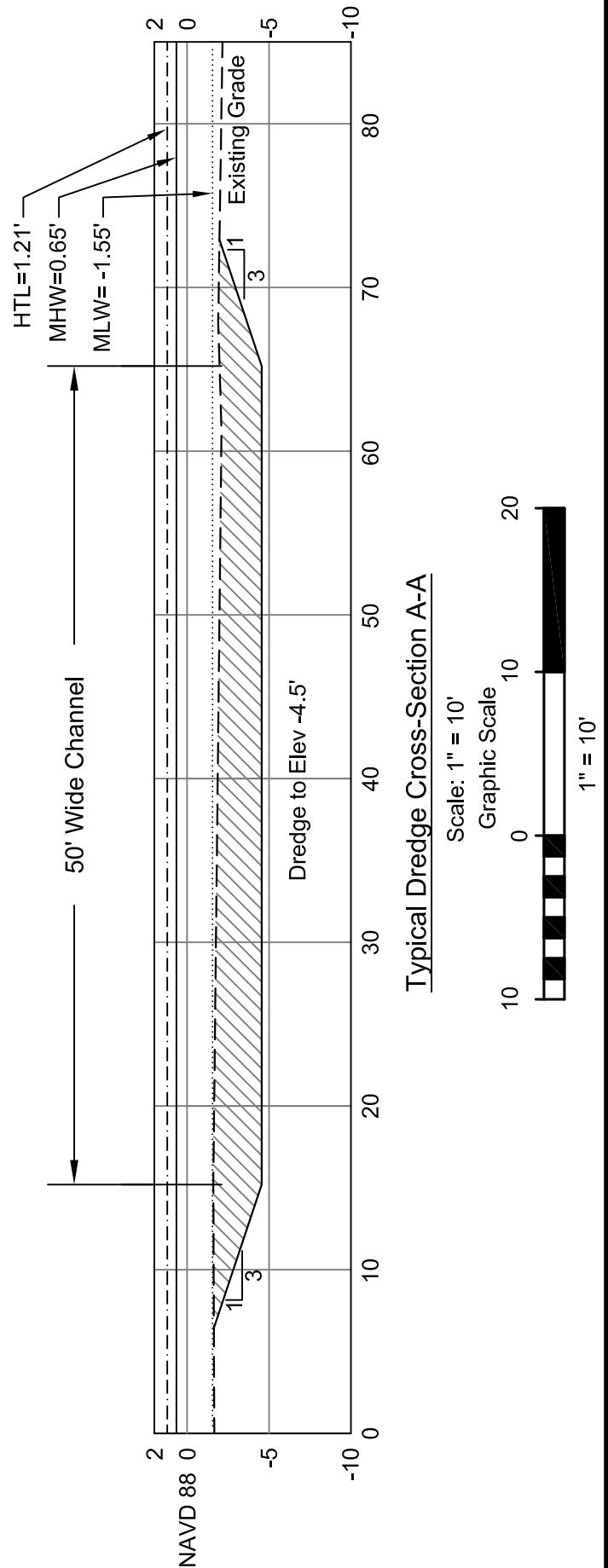
PLAN BY:

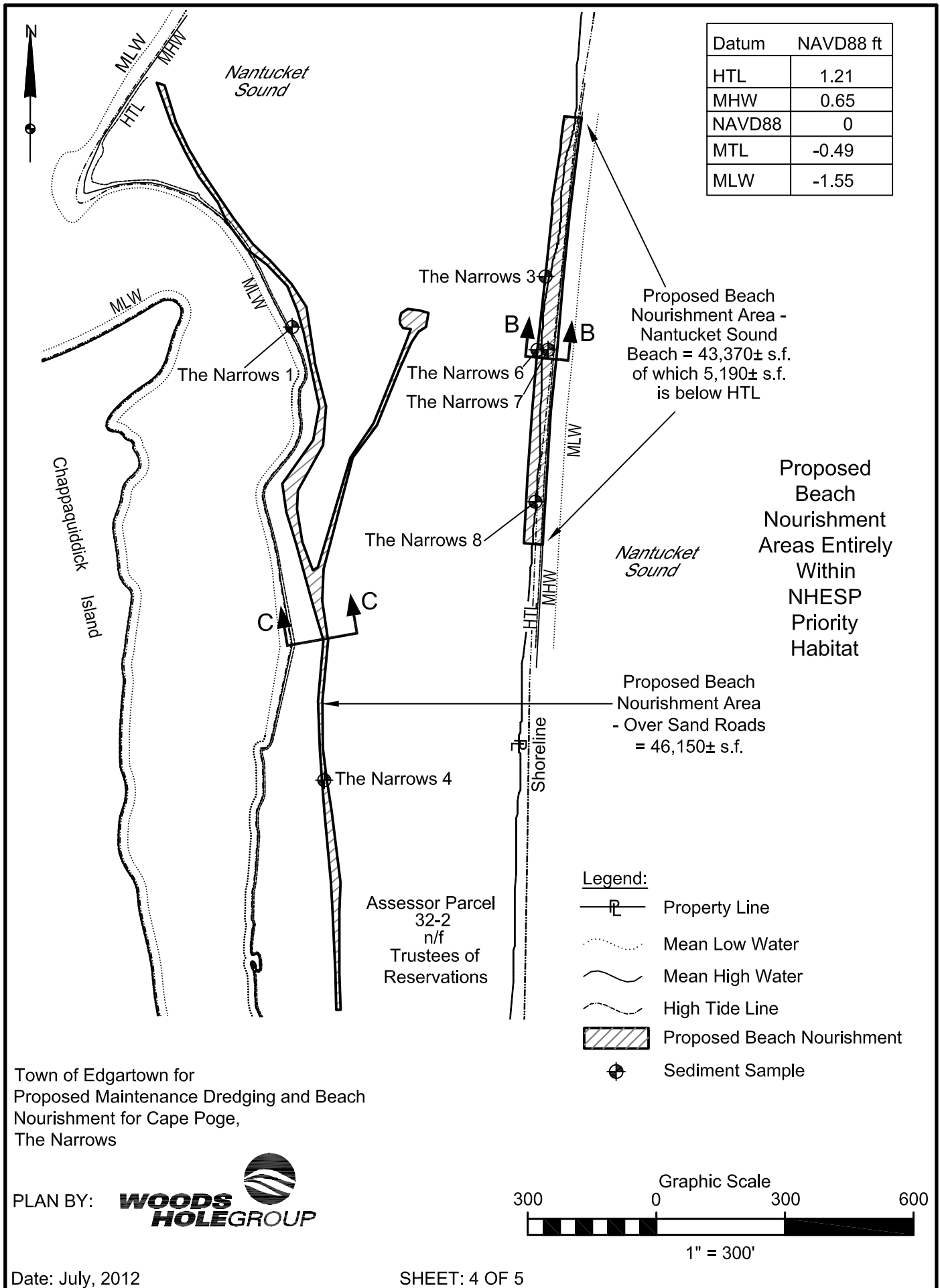


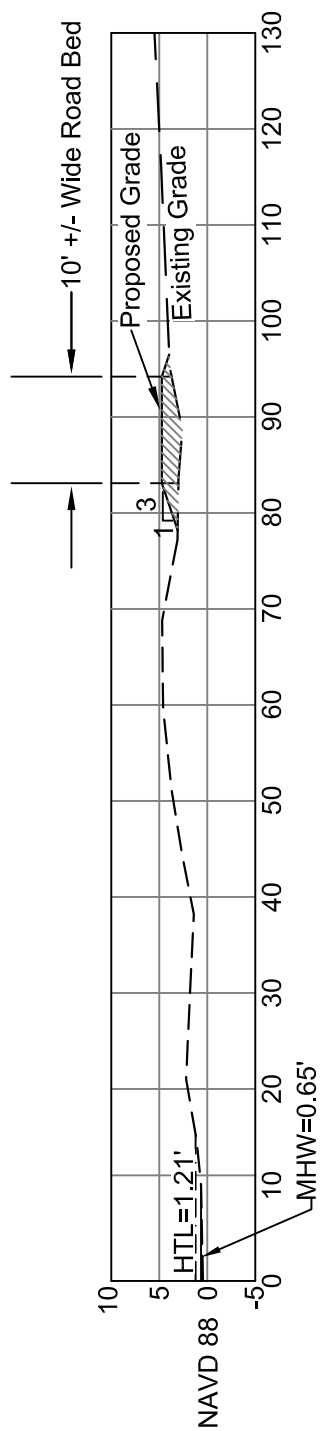
Date: July, 2012

SHEET: 3 OF 5

2010-142_Site B ACOEdwg

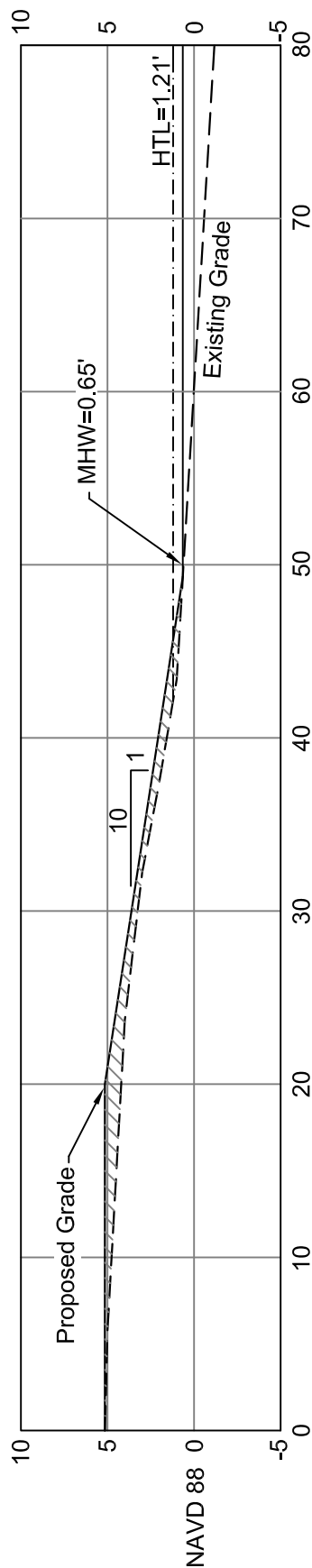






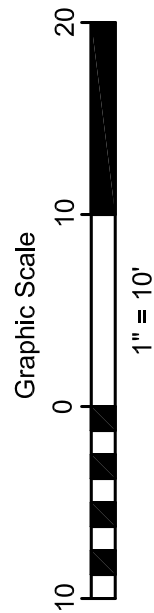
Typical Beach Nourishment Cross Section for Over Sand Roads C-C

Scale: 1" = 20'



Typical Beach Nourishment Cross Section for Nantucket Sound Beach B-B

Scale: 1" = 10'



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for Cape Poge,
The Narrows

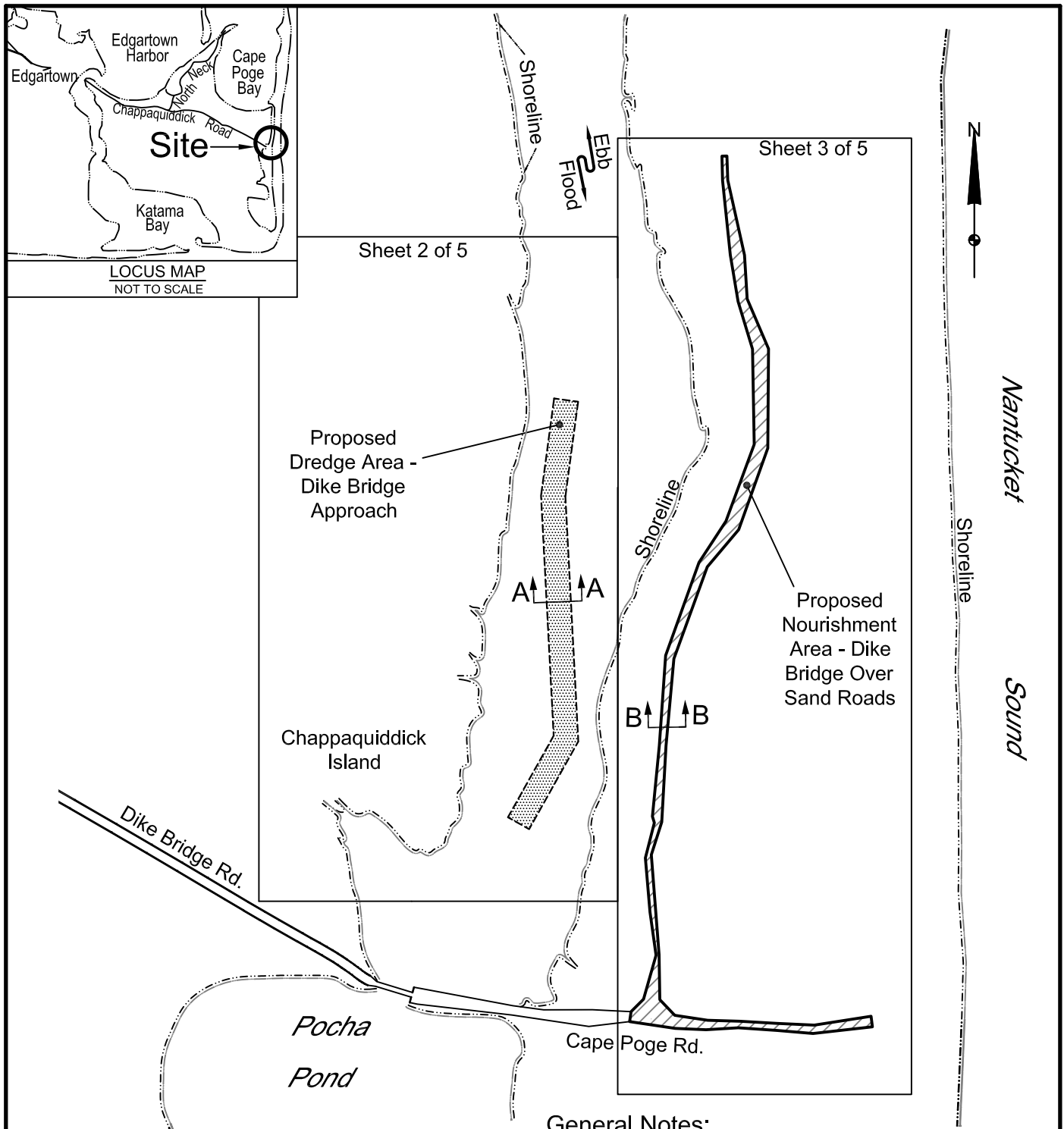
PLAN BY:



Date: July, 2012

SHEET: 5 OF 5

2010-142_Site B ACOEdwg



PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for Cape Poge,
Dike Bridge Approach, Dukes County,
Edgartown, MA

PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in August, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2004-3802

DATE: July, 2012

SHEET: 1 OF 5

2010-142_Site C ACOE.dwg

Dredge Coordinates
Northing Easting

1	2,599,676	943,691
2	2,599,670	943,741
3	2,599,474	943,714
4	2,599,476	943,664
5	2,598,970	943,741
6	2,598,981	943,690
7	2,598,789	943,640
8	2,598,813	943,596

Datum	NAVD88 ft
HTL	1.21
MHW	0.65
NAVD88	0
MTL	-0.49
MLW	-1.55



Legend:

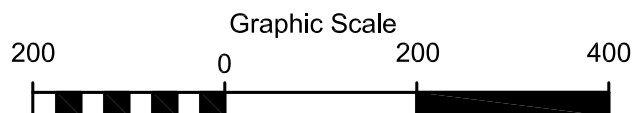
- Property Line
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates

Proposed Dredge
Area Dredge to
-4.5' NAVD88
45,000± s.f.
Dredge Volume:
970± c.y.

Chappaquiddick
Island

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for Cape Poge,
Dike Bridge Approach

PLAN BY:



DATE: July, 2012

SHEET: 2 OF 5

1" = 200'

2010-142_Site C ACOE.dwg

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for Cape Poge,
Dike Bridge Approach

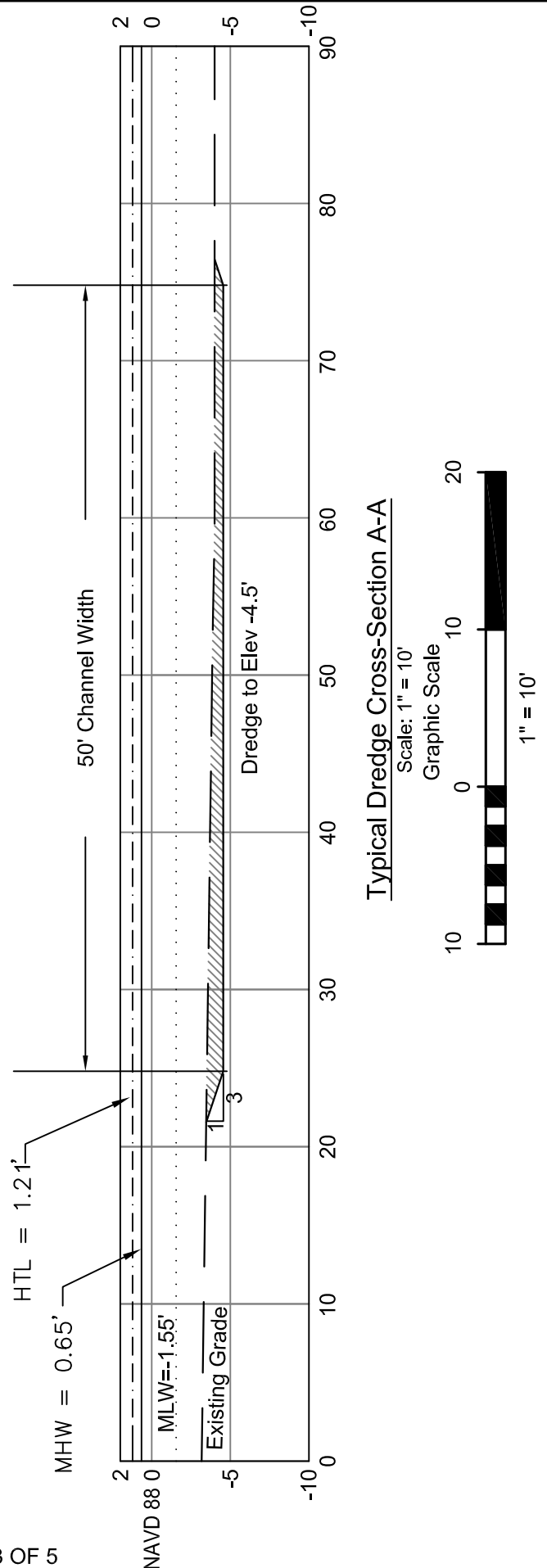
PLAN BY:

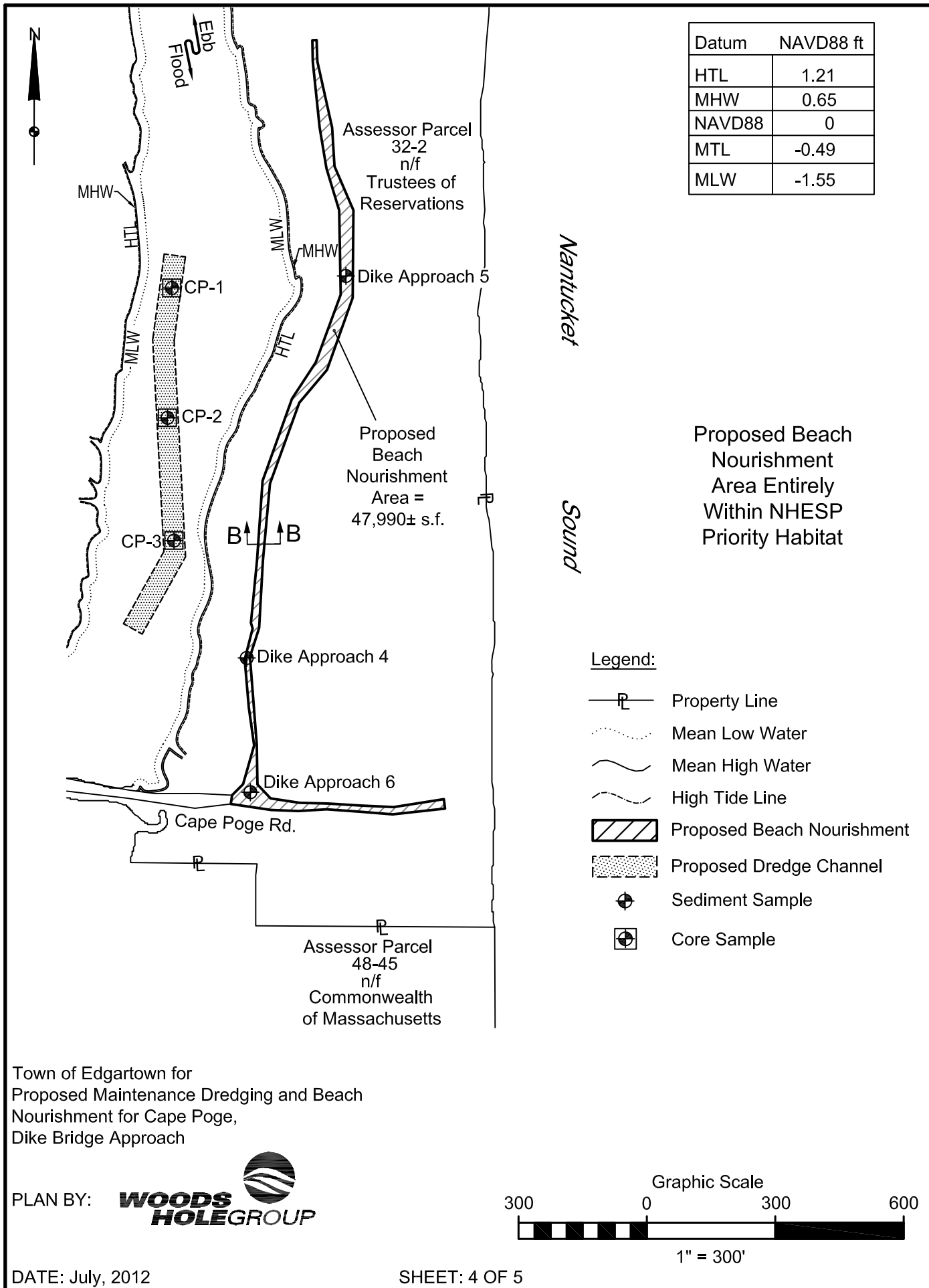


DATE: July, 2012

SHEET: 3 OF 5

2010-142_Site C ACOE.dwg





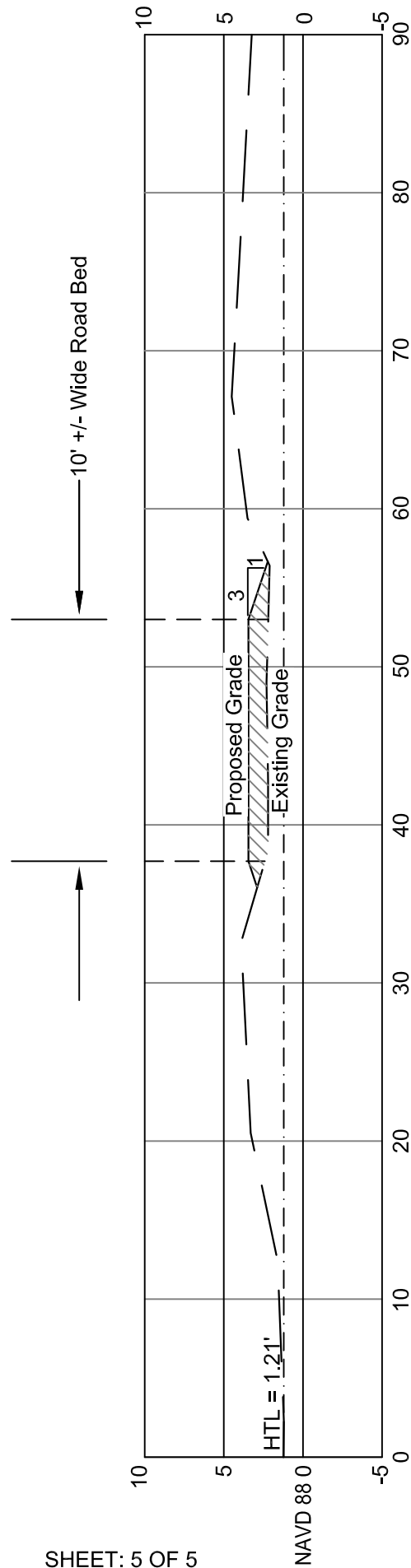
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for Cape Poge,
Dike Bridge Approach

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

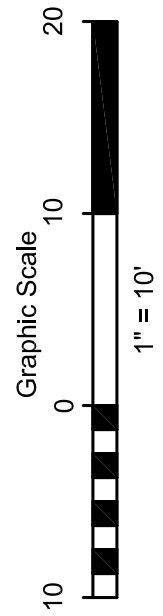
SHEET: 5 OF 5

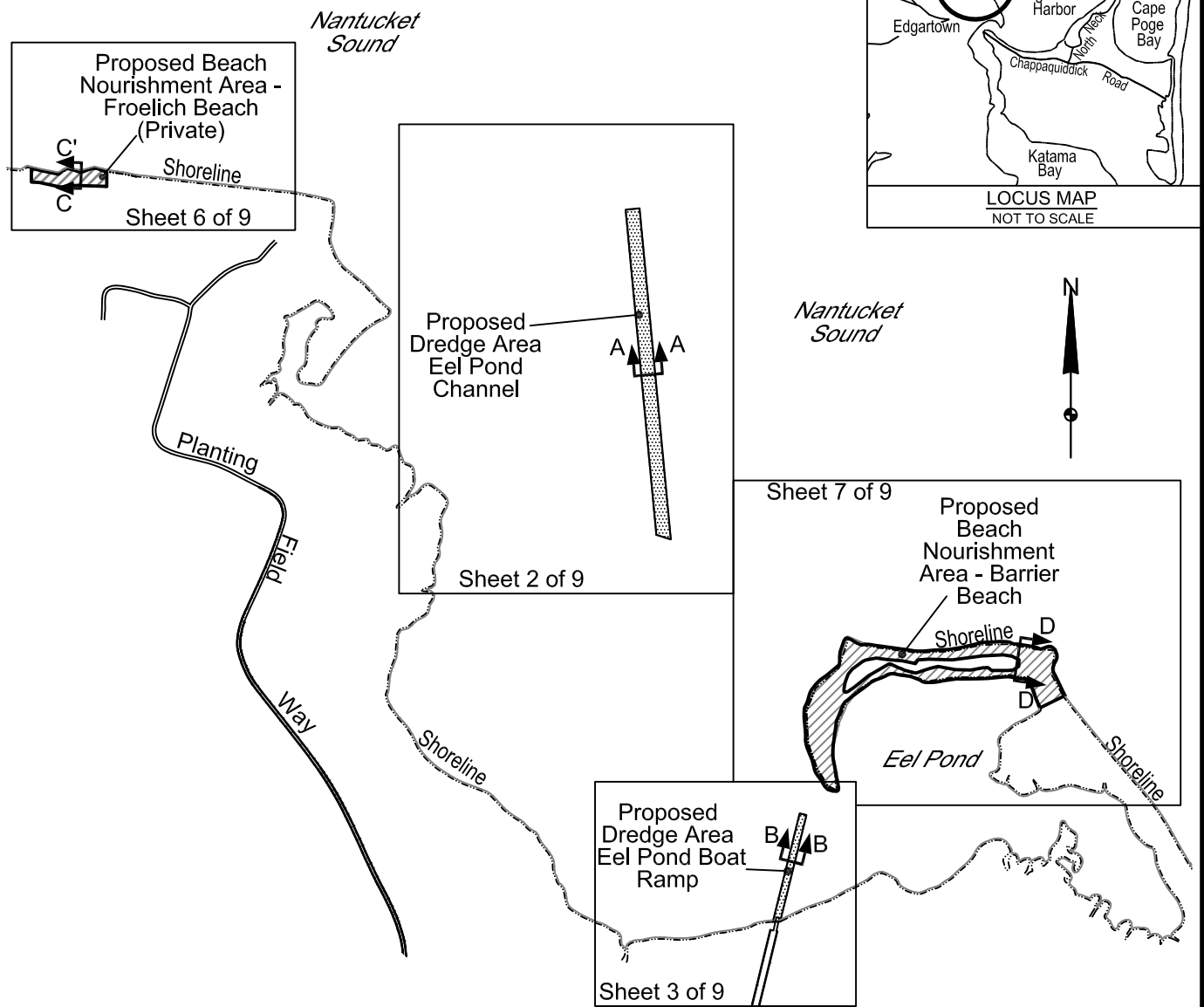
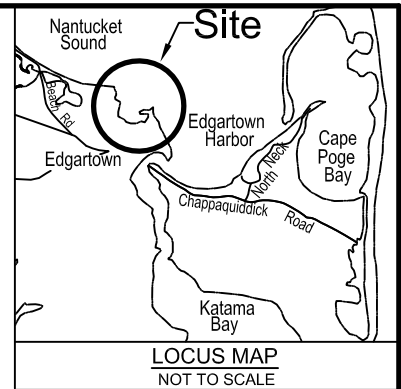
2010-142_Site C ACOE.dwg



Typical Beach Nourishment Cross-Section B-B

Scale: 1" = 10'





General Notes:

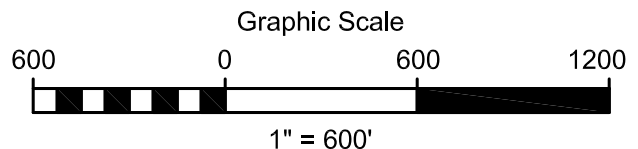
1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in February, 2009 by Woods Hole Group.
3. Topographic survey was conducted in May and September, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2006-3245

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond, Dukes County,
Edgartown, MA

PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001



DATE: July, 2012

SHEET: 1 OF 9

2010-142_Site H ACOE.dwg

Dredge Coordinates

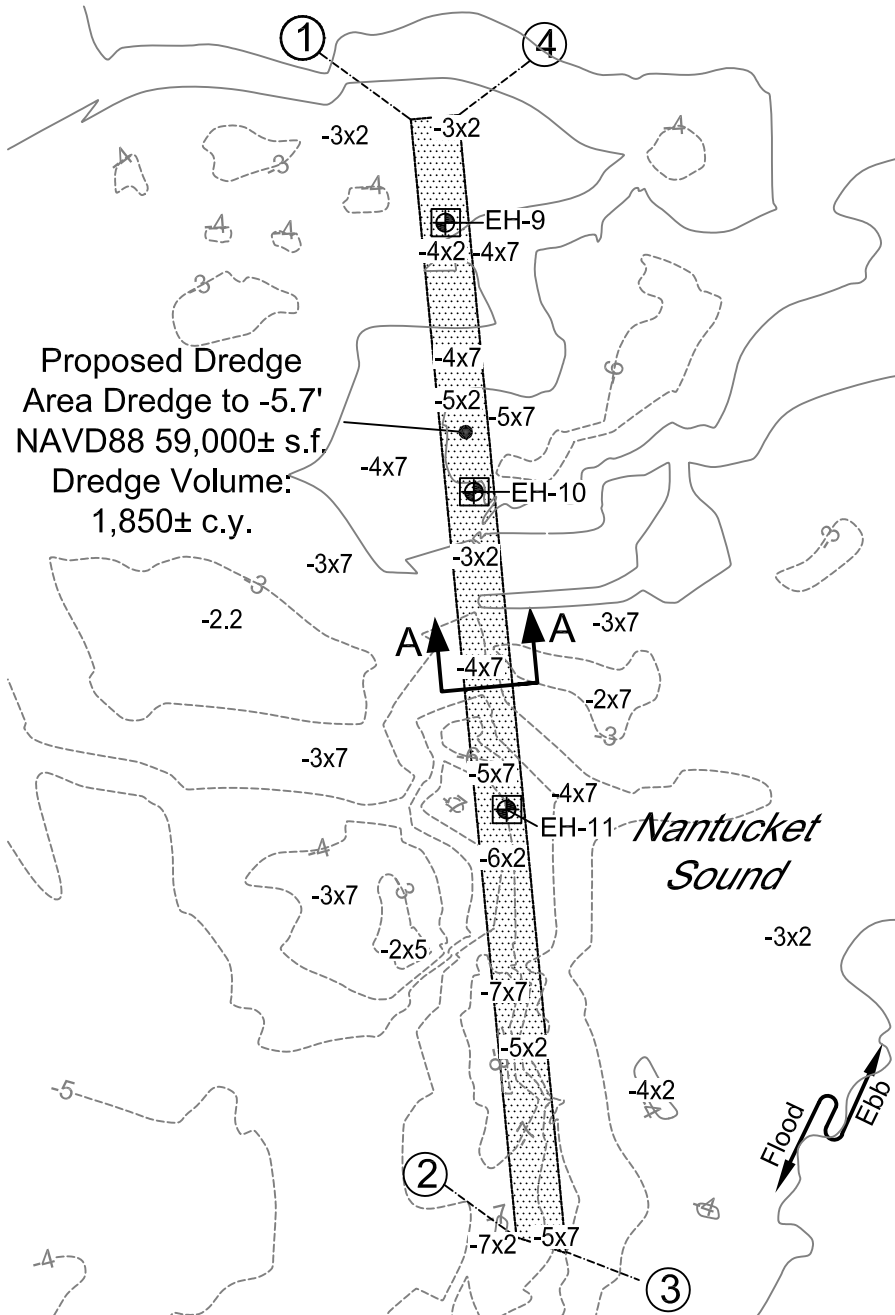
	Northing	Easting
1	2,609,271	926,886
2	2,608,106	926,996
3	2,608,091	927,048
4	2,609,275	926,936



Legend:

- Property Line
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Core Sample

Proposed Dredge
Area Dredge to -5.7'
NAVD88 59,000± s.f.
Dredge Volume:
1,850± c.y.

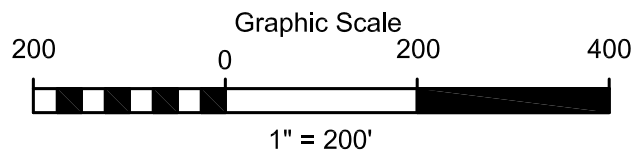


*Nantucket
Sound*

Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond

PLAN BY:



DATE: July, 2012

SHEET: 2 OF 9

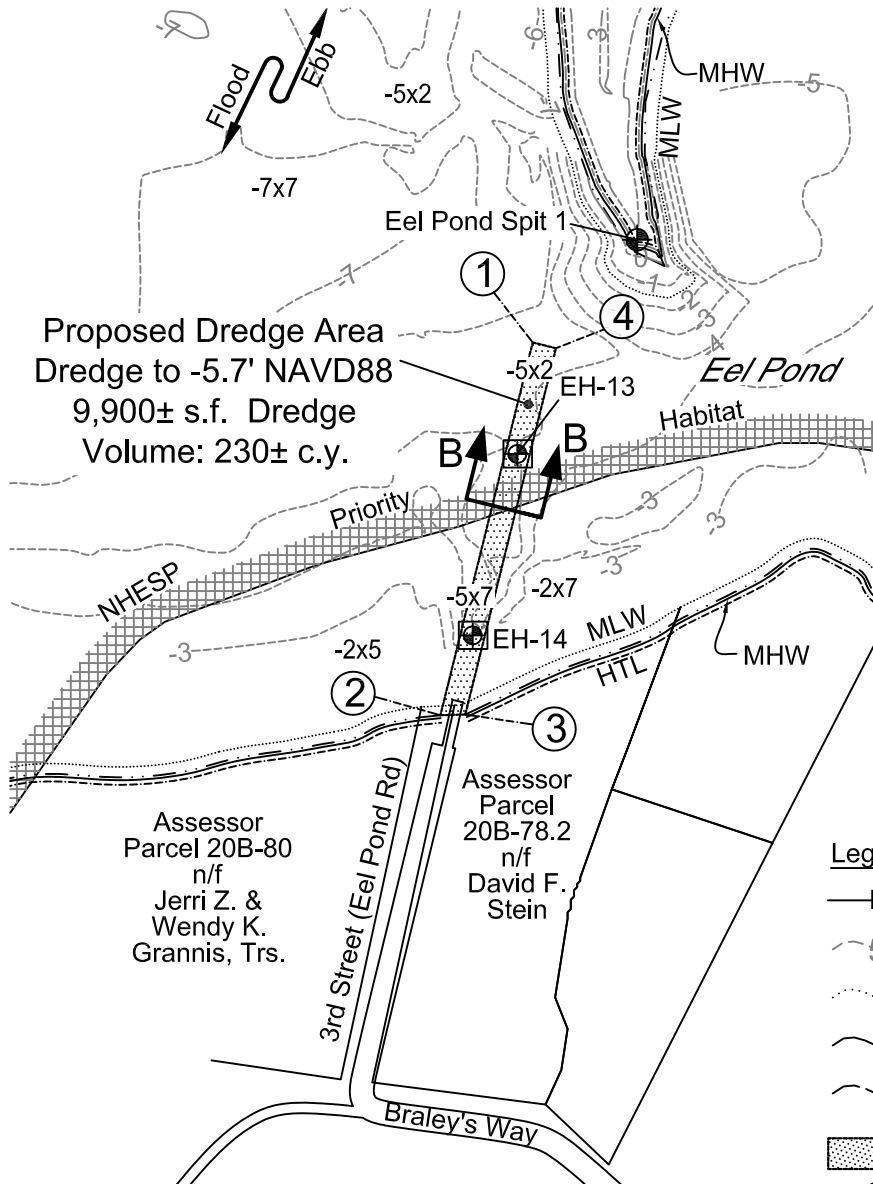
2010-142_Site H ACOE.dwg

Dredge Coordinates

	Northing	Easting
1	2,607,109	927,509
2	2,606,721	927,413
3	2,606,721	927,439
4	2,607,103	927,533

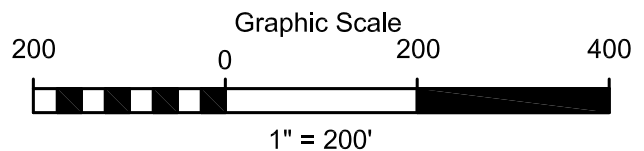


Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond

PLAN BY: **WOODS**
HOLEGROUP



DATE: July, 2012

SHEET: 3 OF 9

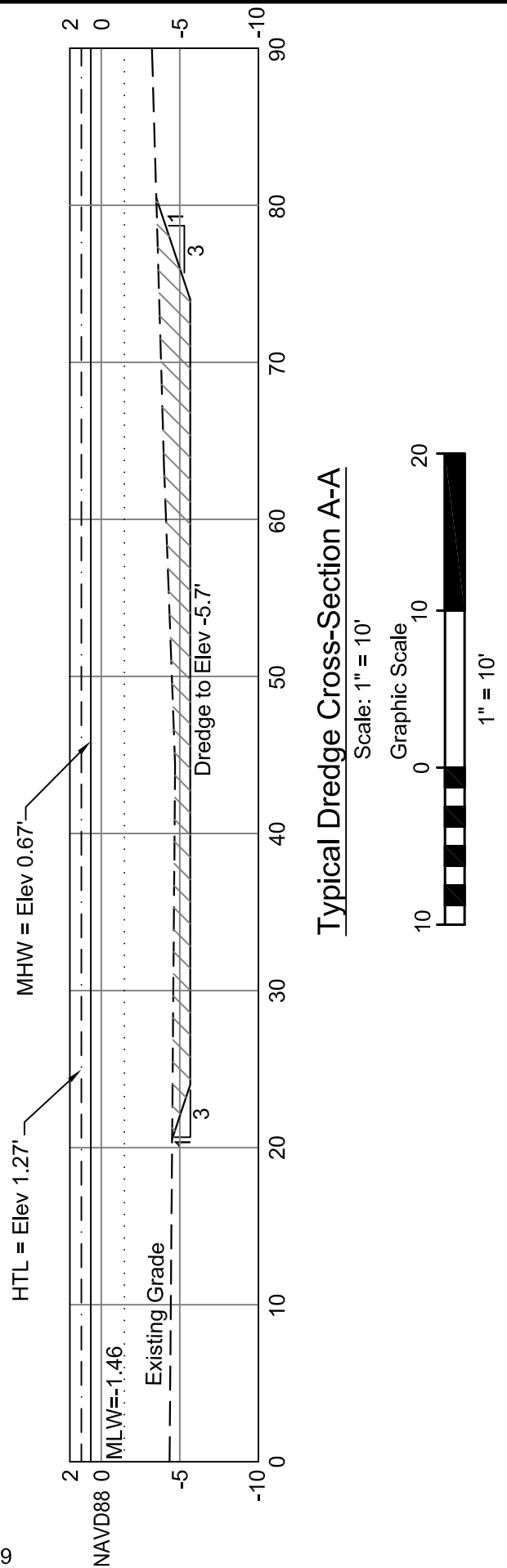
2010-142_Site H ACOE.dwg

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 4 OF 9



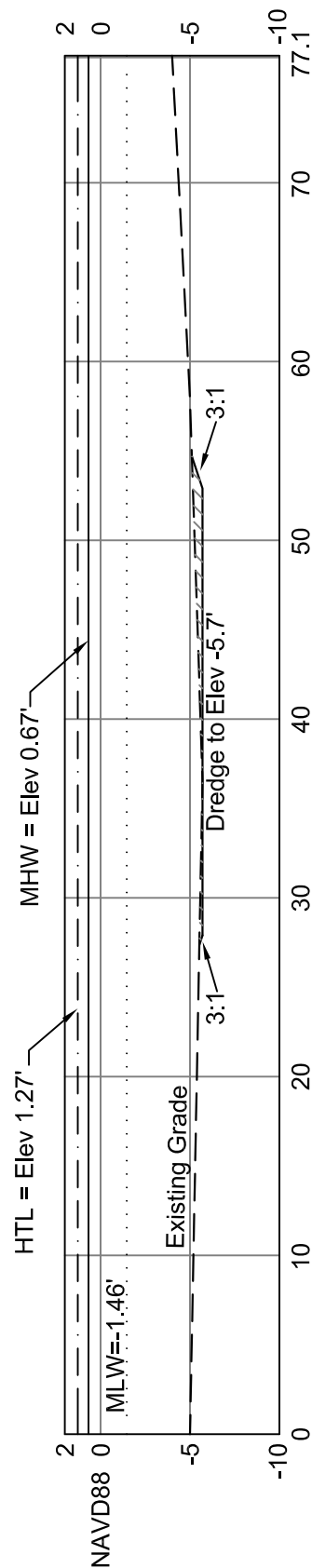
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond

PLAN BY: **WOODS
HOLEGROUP**

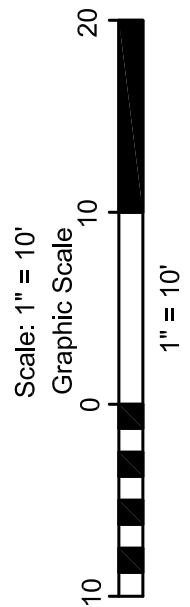
DATE: July, 2012

SHEET: 5 OF 9

2010-142_Site H ACOE.dwg



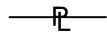
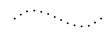
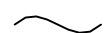
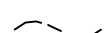


Typical Dredge Cross-Section B-B





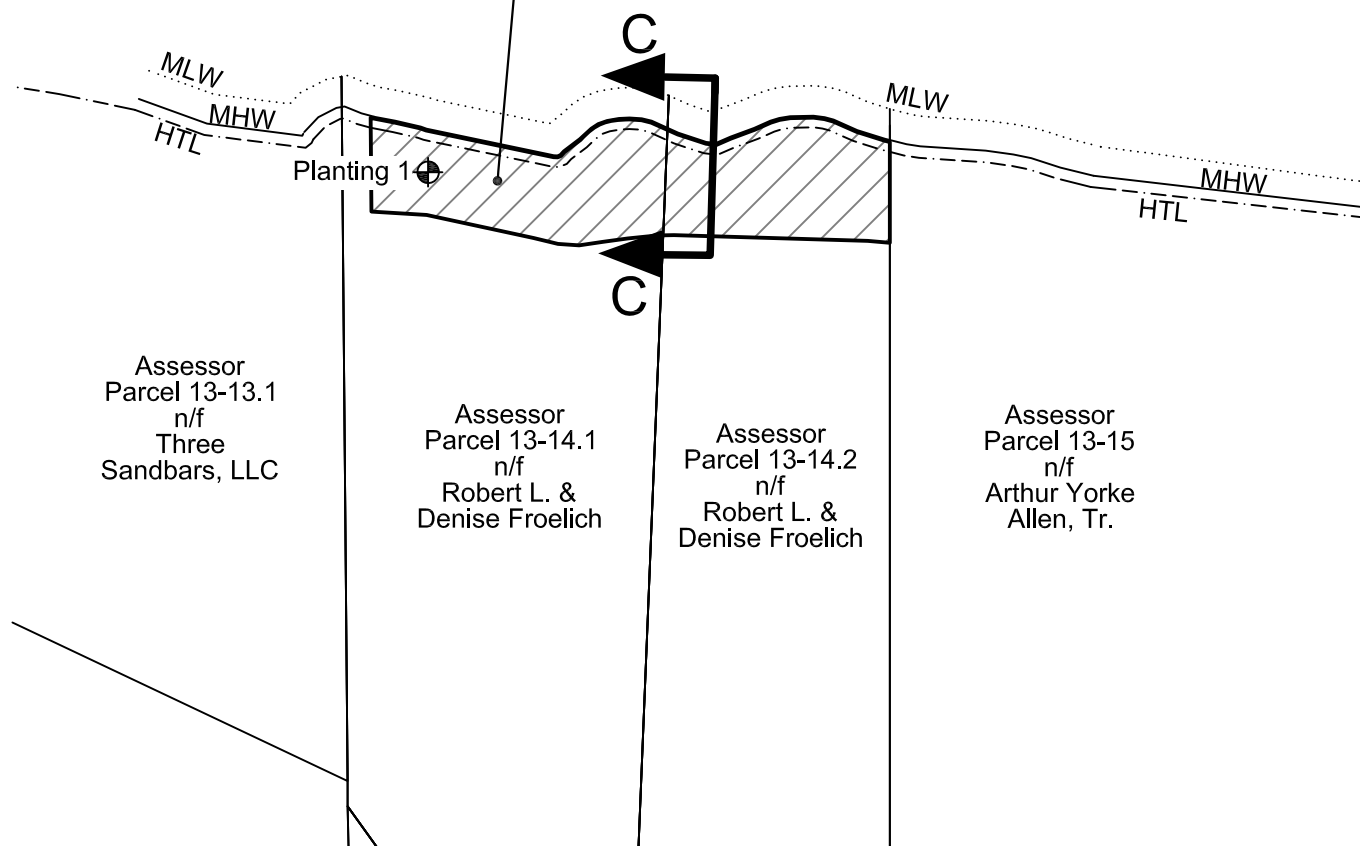
Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample

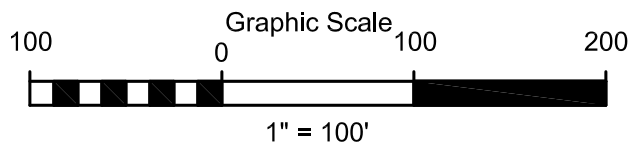
Proposed Beach
Nourishment Area =
14,170± s.f. of
which 1,430± s.f. is
below HTL

*Nantucket
Sound*



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond

PLAN BY:



DATE: July, 2012

SHEET: 6 OF 9

2010-142_Site H ACOE.dwg

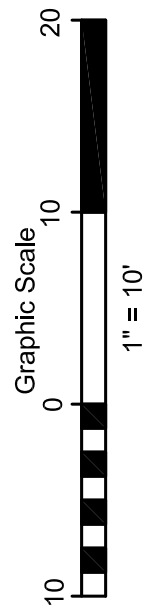
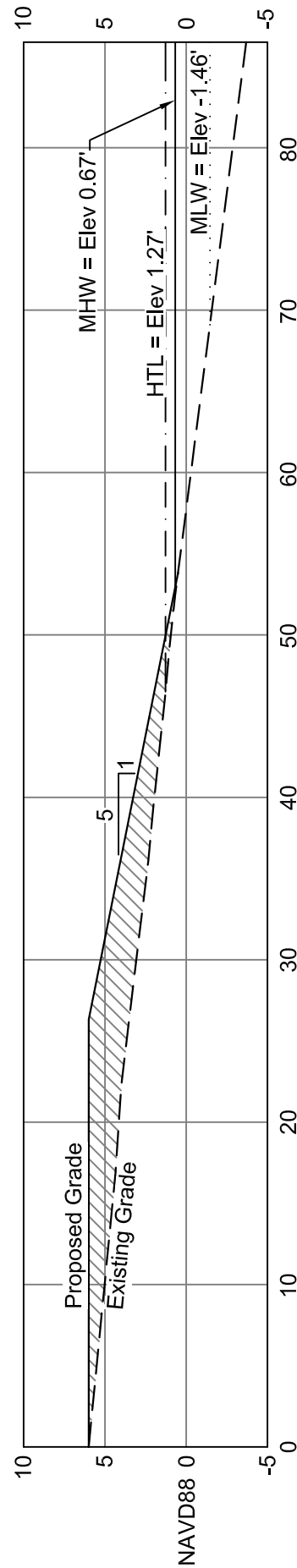
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 7 OF 9







2010-142_Site H ACOE.dwg





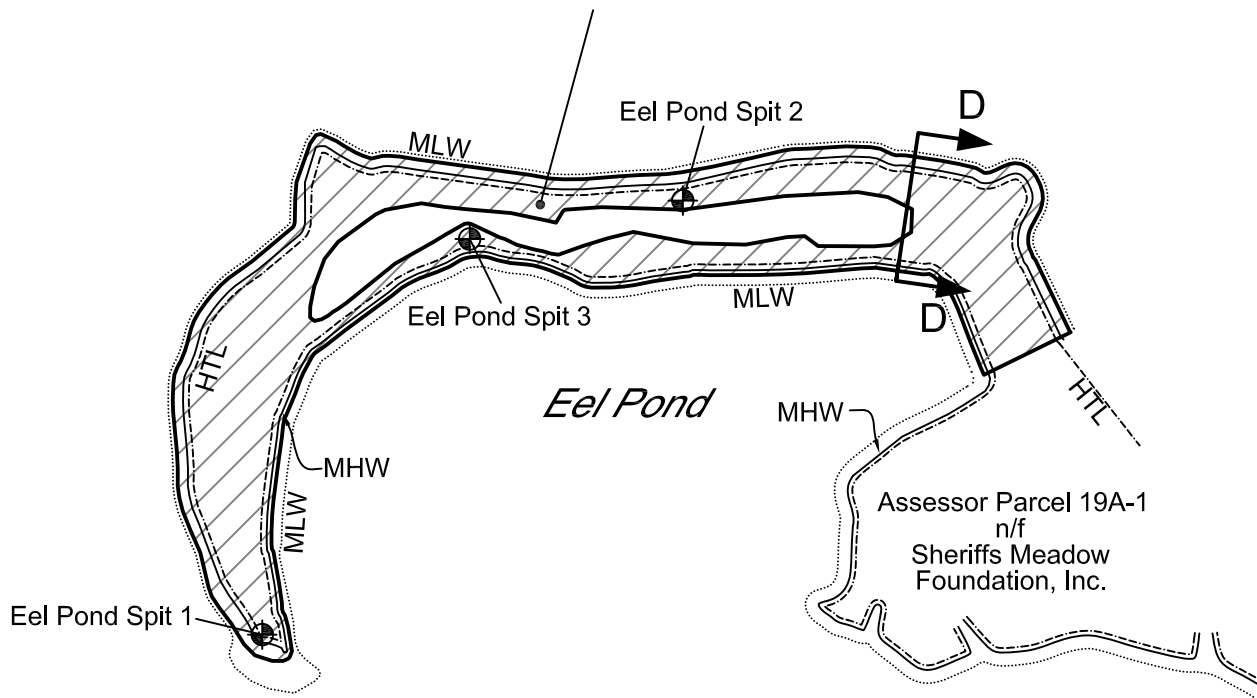
Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample

Proposed Beach
Nourishment Area
= 117,350± s.f. of
which 38,750± is
below HTL

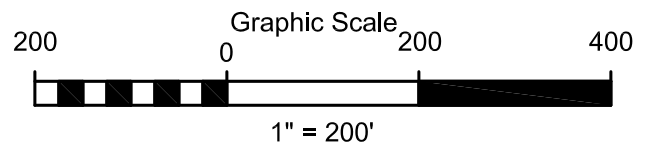
*Nantucket
Sound*



Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond

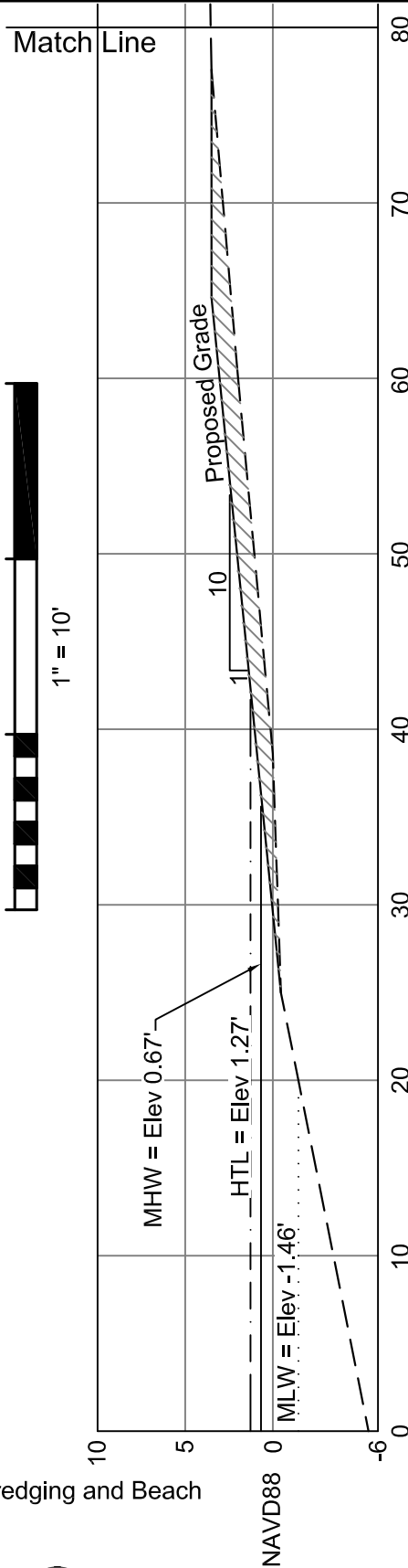
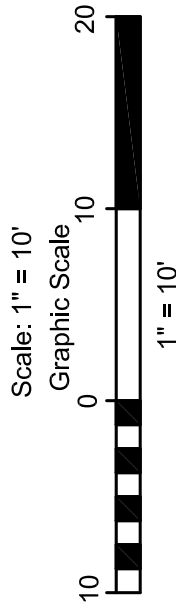
PLAN BY:



DATE: July, 2012

SHEET: 8 OF 9

Typical Beach Nourishment Cross-Section D-D

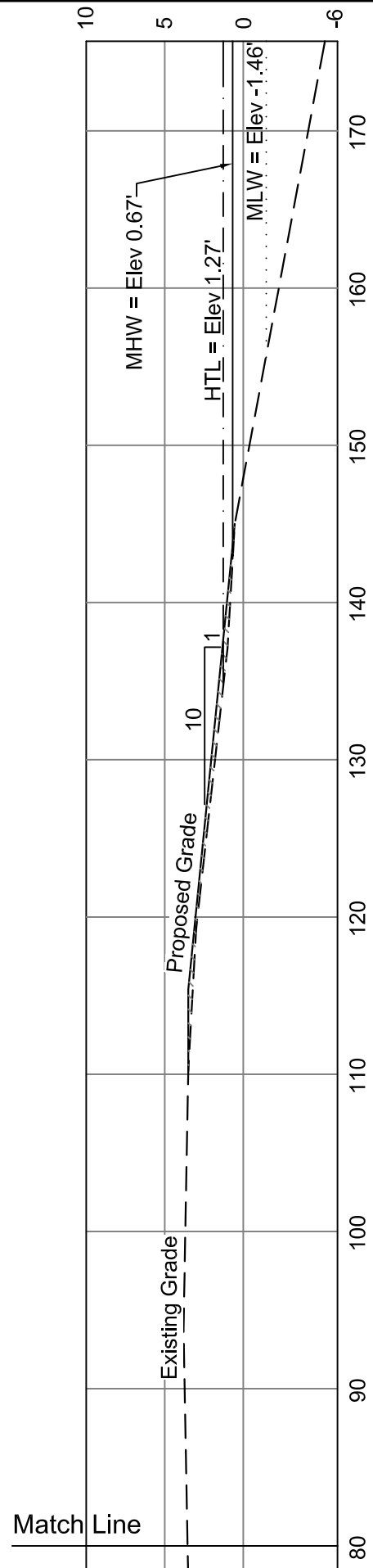


Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Eel Pond

PLAN BY: **WOODS
HOLEGROUP**

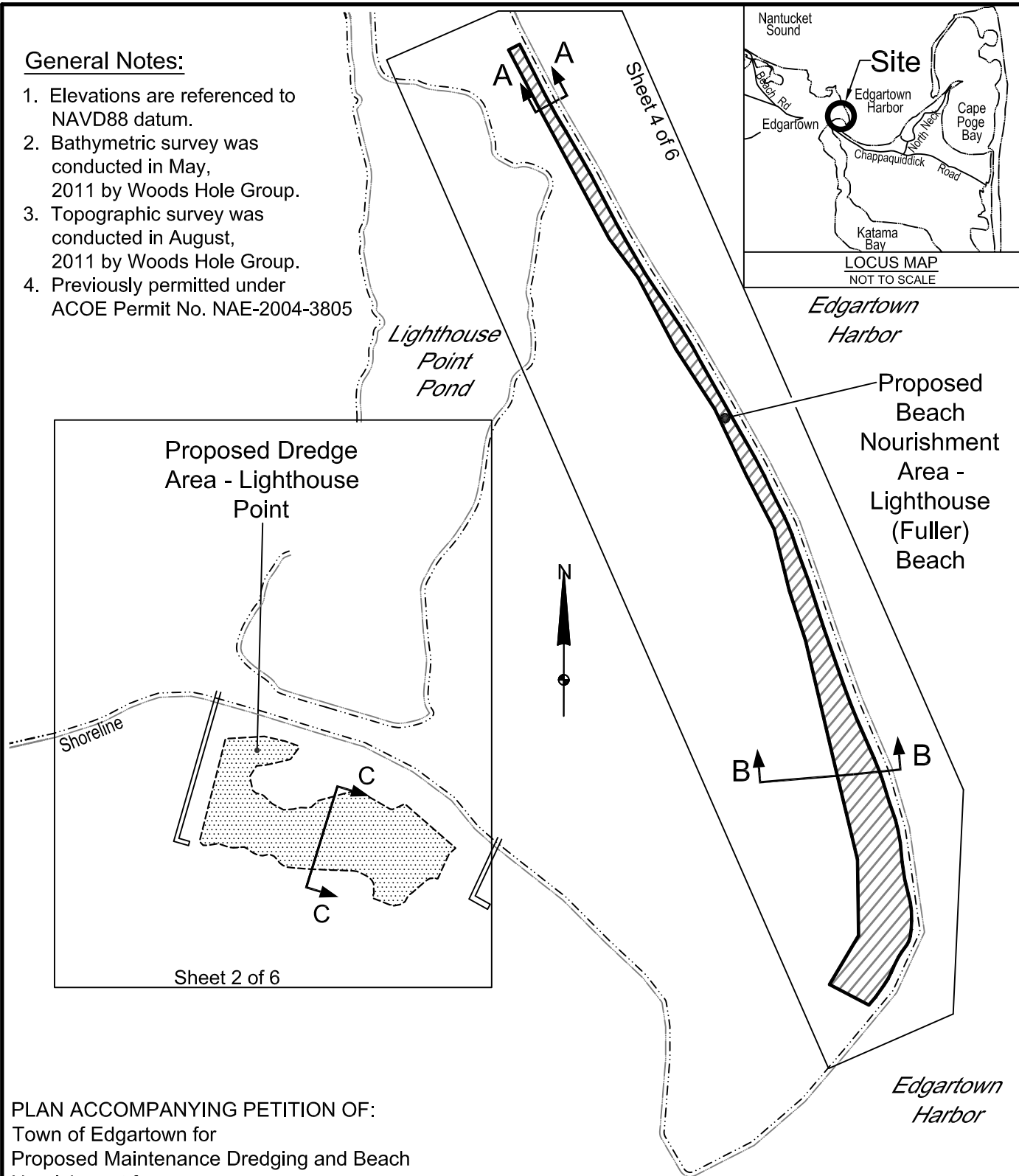
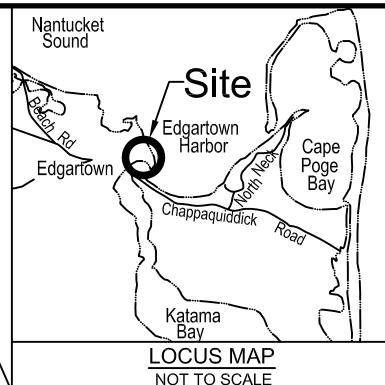
DATE: July, 2012

SHEET: 9 OF 9



General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in August, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2004-3805

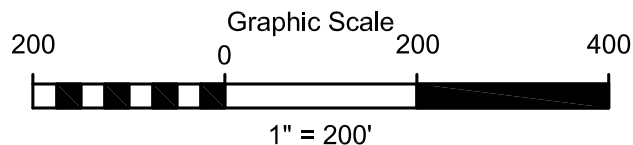


PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Lighthouse Point, Dukes County,
Edgartown, MA

PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001



DATE: July, 2012

SHEET: 1 OF 6

2010-142_Site G ACOE.dwg

Dredge Coordinates

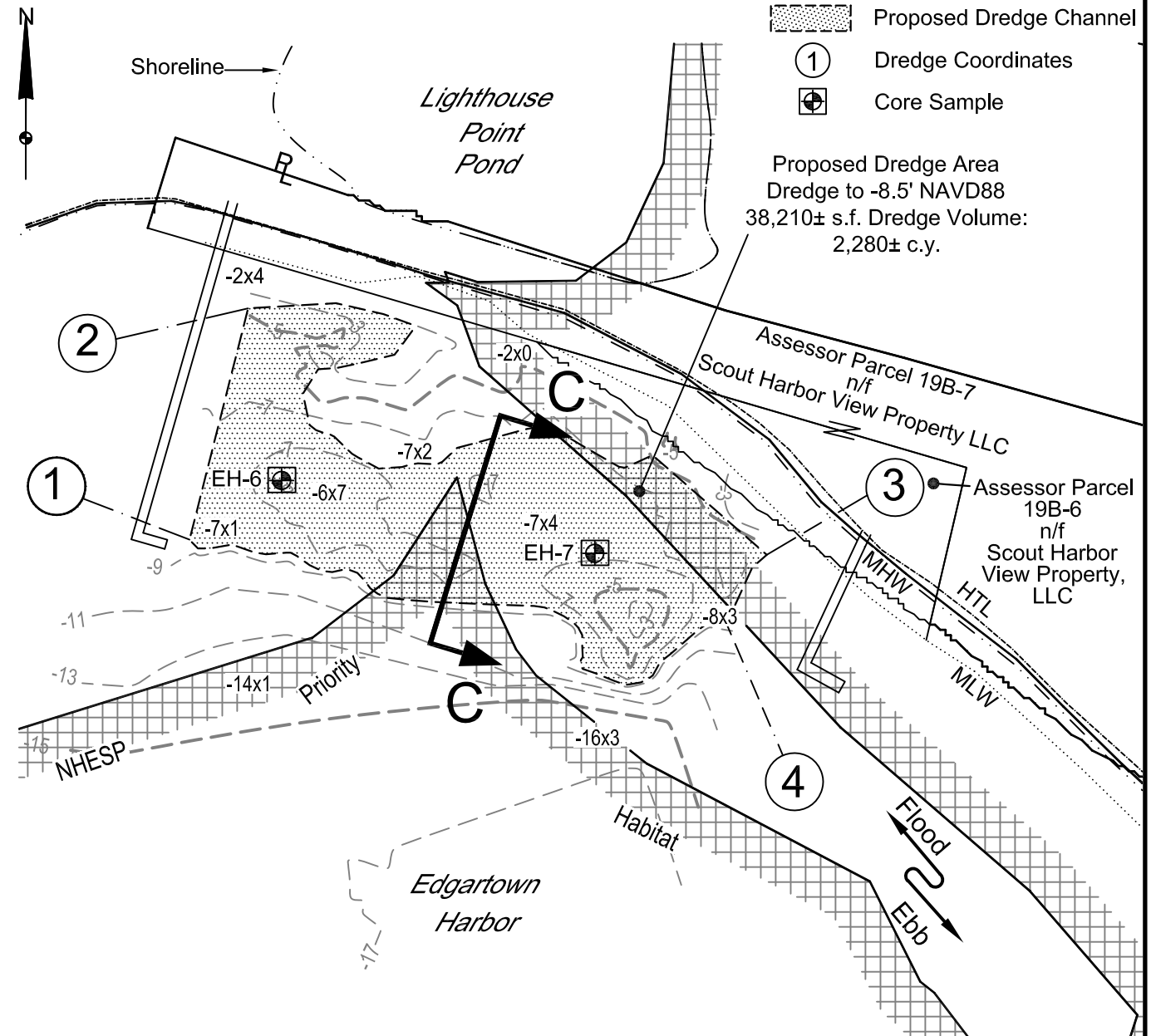
	Northing	Easting
1	2,604,665	928,986
2	2,604,810	929,022
3	2,604,655	928,347
4	2,604,612	928,322

Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

- Property Line
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Core Sample

Proposed Dredge Area
Dredge to -8.5' NAVD88
38,210± s.f. Dredge Volume:
2,280± c.y.



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Lighthouse Point

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

SHEET: 2 OF 6

2010-142_Site G ACOE.dwg

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Lighthouse Point

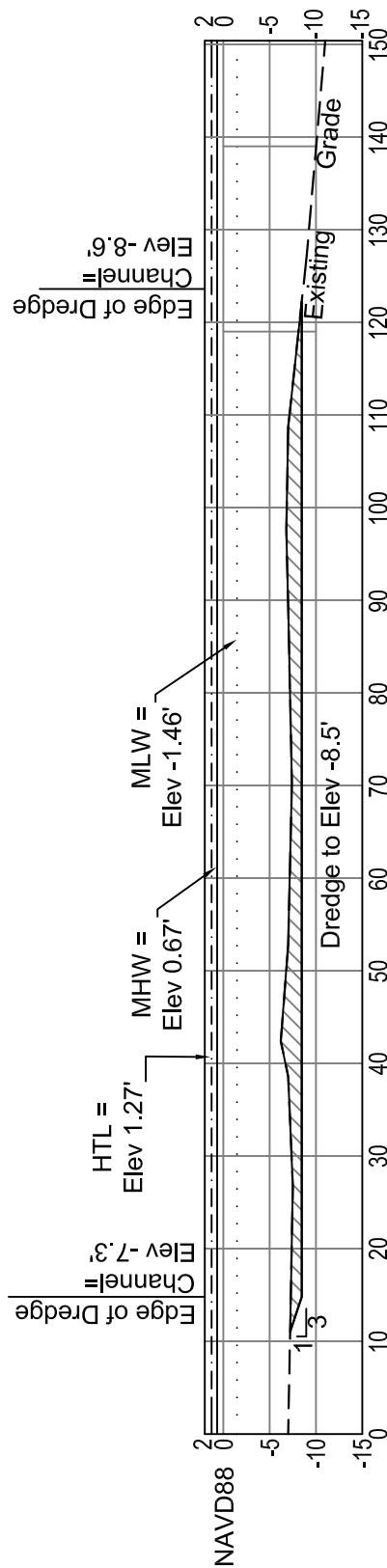
PLAN BY:



DATE: July, 2012

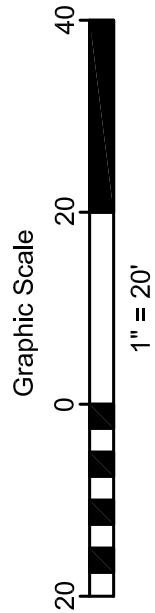
SHEET: 3 OF 6

2010-142_Site G ACOE.dwg



Typical Dredge Cross-Section C-C

Scale: 1" = 20'





Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Proposed Beach Nourishment Area Entirely Within NHESP Priority Habitat

Lighthouse Point Pond

Habitat

Lighthouse Point 3

Assessor Parcel 19A-13 n/f Town of Edgartown

Edgartown Harbor

Proposed Beach Nourishment Area - Lighthouse (Fuller) Beach = 49,160± s.f. all of which is above HTL

Assessor Parcel 19A-8.2 n/f Town of Edgartown

Assessor Parcel 19B-8 n/f Town of Edgartown

MLW

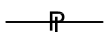
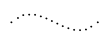

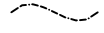


Lighthouse Point 2

Assessor Parcel 19B-7 n/f Town of Edgartown

Assessor Parcel 19B-9 n/f United States of America

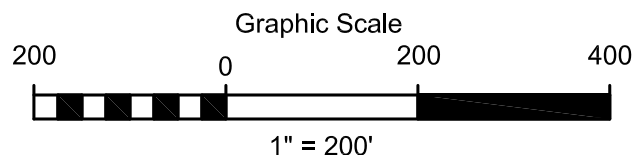
Lighthouse Point 5

Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Lighthouse Point

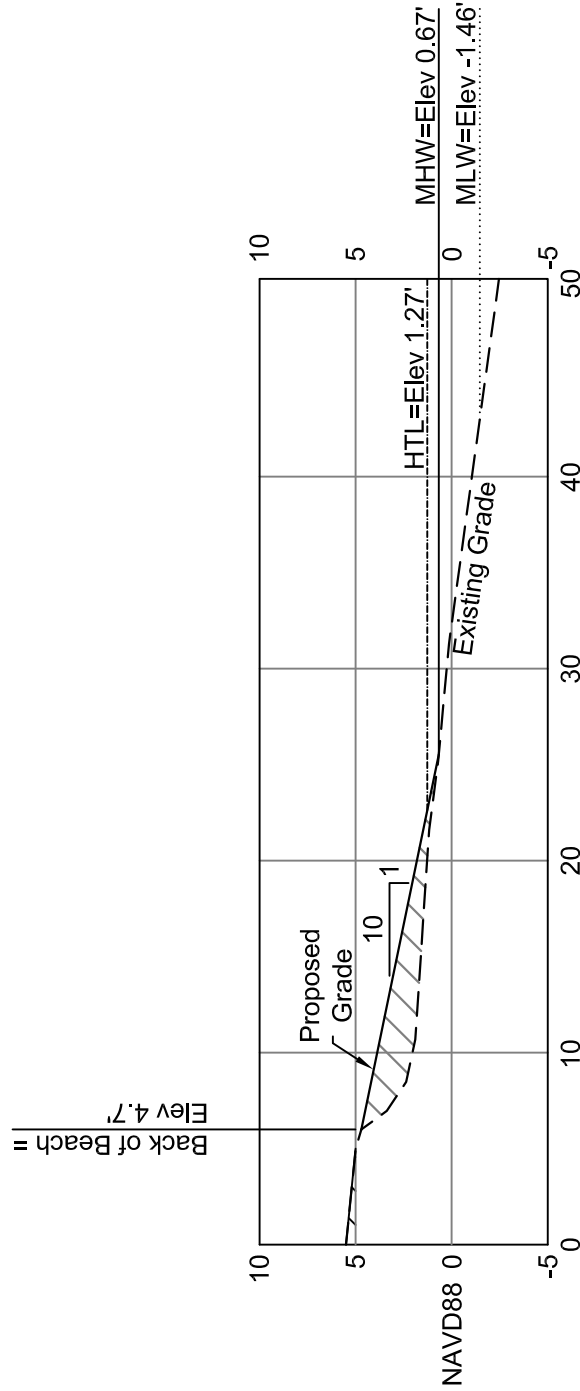
PLAN BY:



DATE: July, 2012

SHEET: 4 OF 6

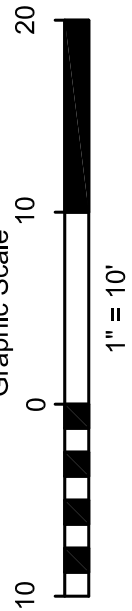
2010-142_Site G ACOE.dwg



Beach Nourishment Cross-Section A-A

Scale: 1" = 10'

Graphic Scale



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Lighthouse Point

PLAN BY:



DATE: July, 2012

SHEET: 5 OF 6

2010-142_Site G ACOE.dwg

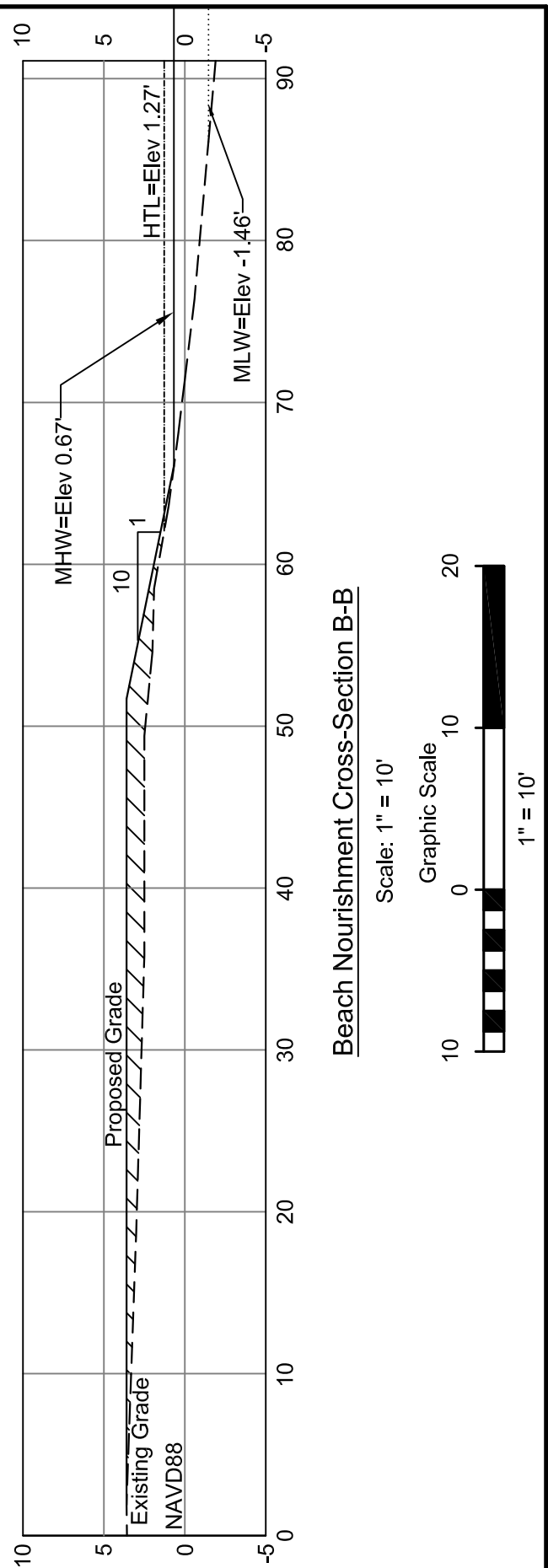
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Lighthouse Point

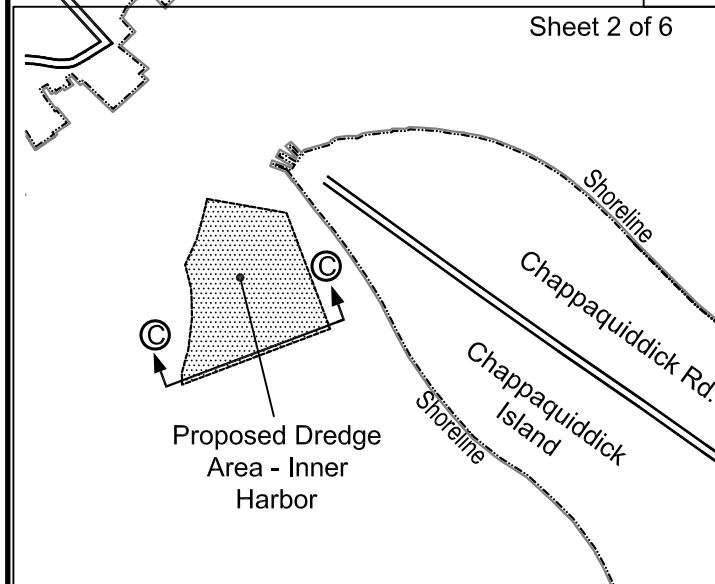
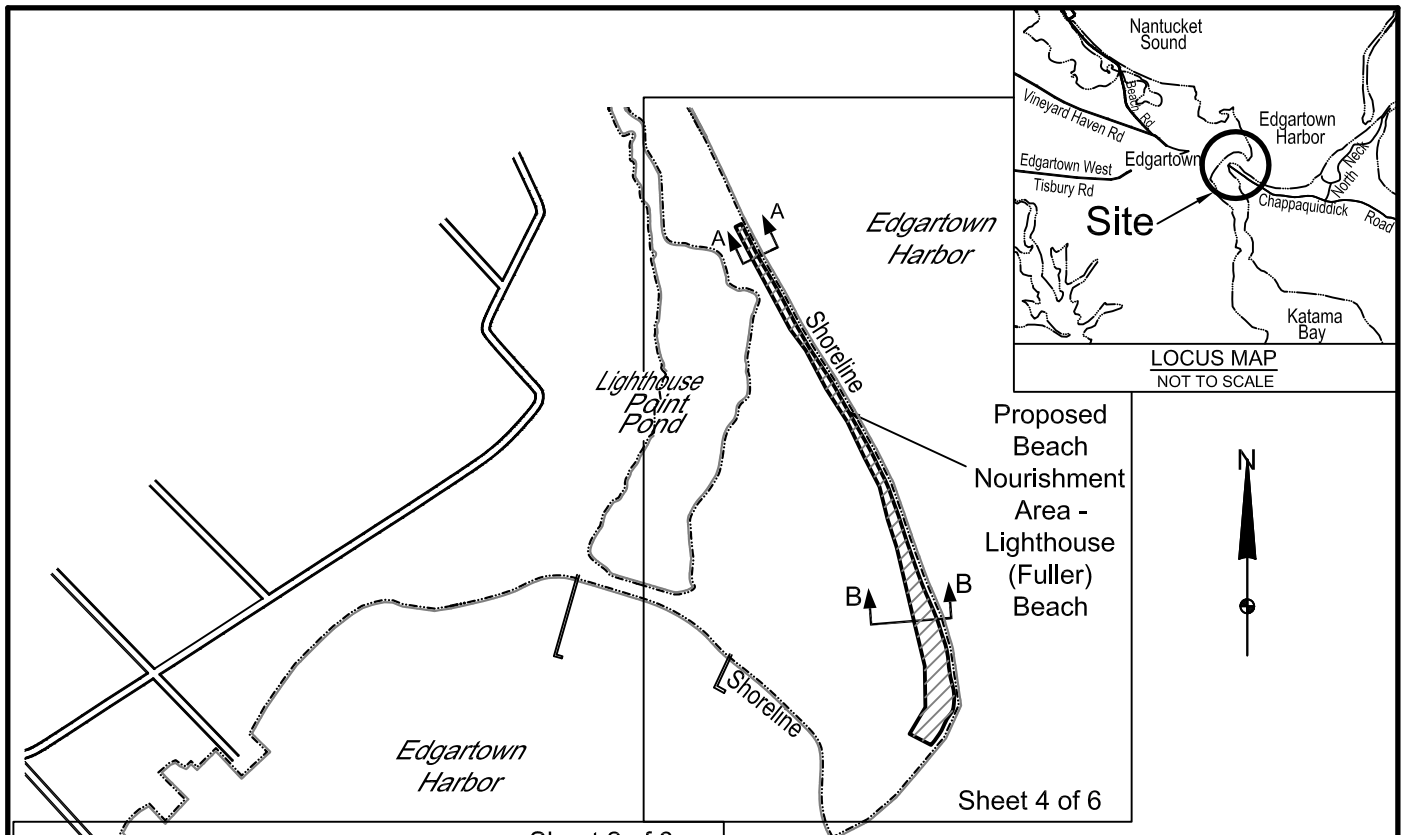
PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 6 OF 6

2010-142_Site G ACOE.dwg





General Notes:

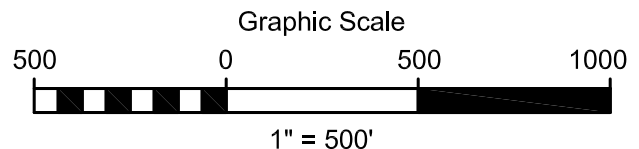
1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in August, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2004-3804

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Inner Harbor, Dukes County,
Edgartown, MA

PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001








DATE: July, 2012

SHEET: 1 OF 6


2010-142_Site J ACOE.dwg

Dredge Coordinates		
	Northing	Easting
1	2,603,733	928,046
2	2,603,561	927,989
3	2,603,249	927,981
4	2,603,395	928,367
5	2,603,697	928,253

Legend:

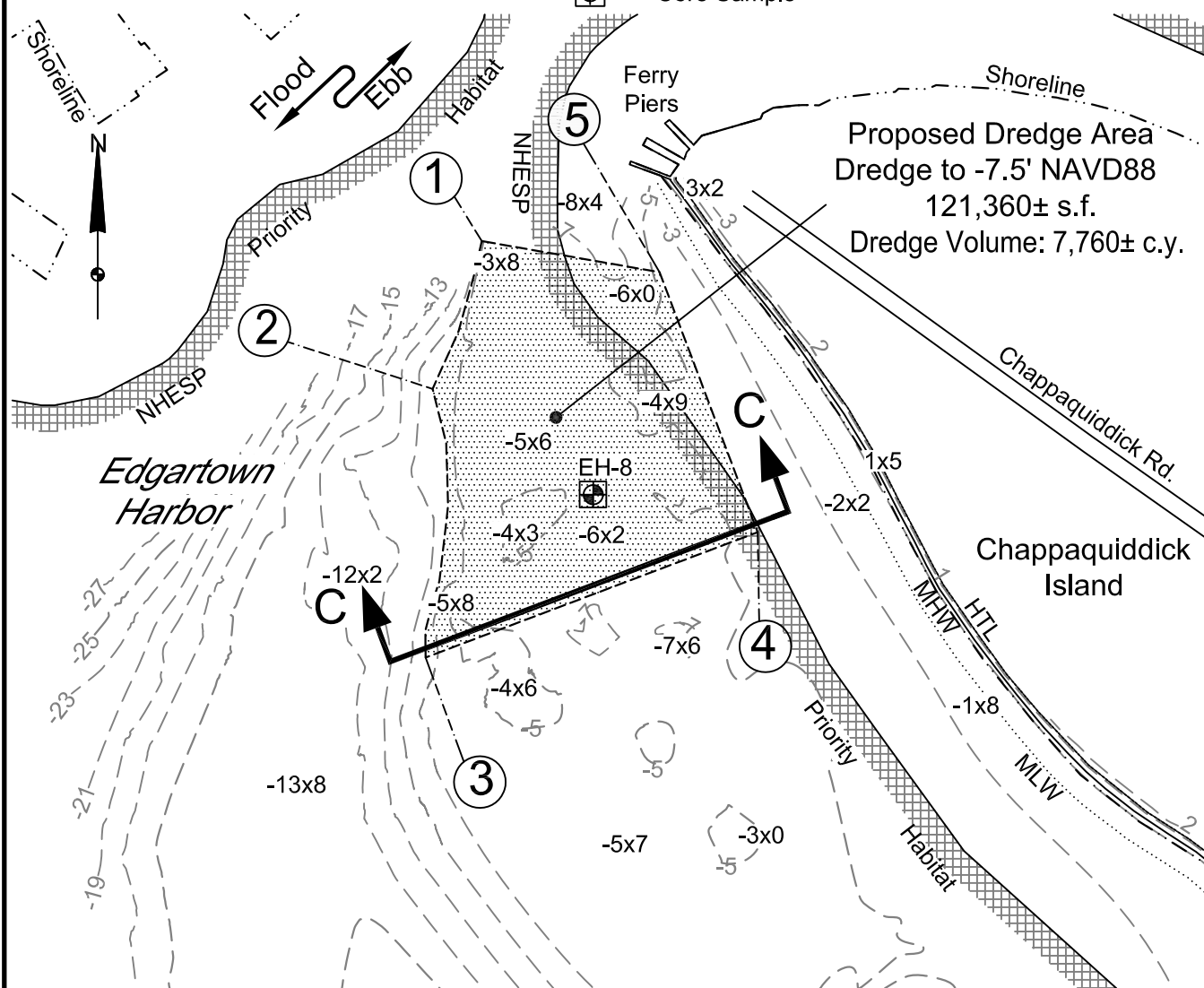
-  Property Line
-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line

Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

 Proposed Dredge Channel

 Dredge Coordinates

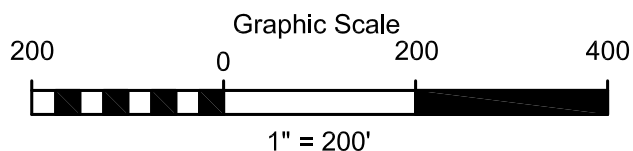
 Core Sample



Proposed Dredge Area
Dredge to -7.5' NAVD88
121,360± s.f.
Dredge Volume: 7,760± c.y.

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Inner Harbor

PLAN BY: **WOODS HOLE GROUP**



DATE: July, 2012

SHEET: 2 OF 6

2010-142_Site J ACOE.dwg

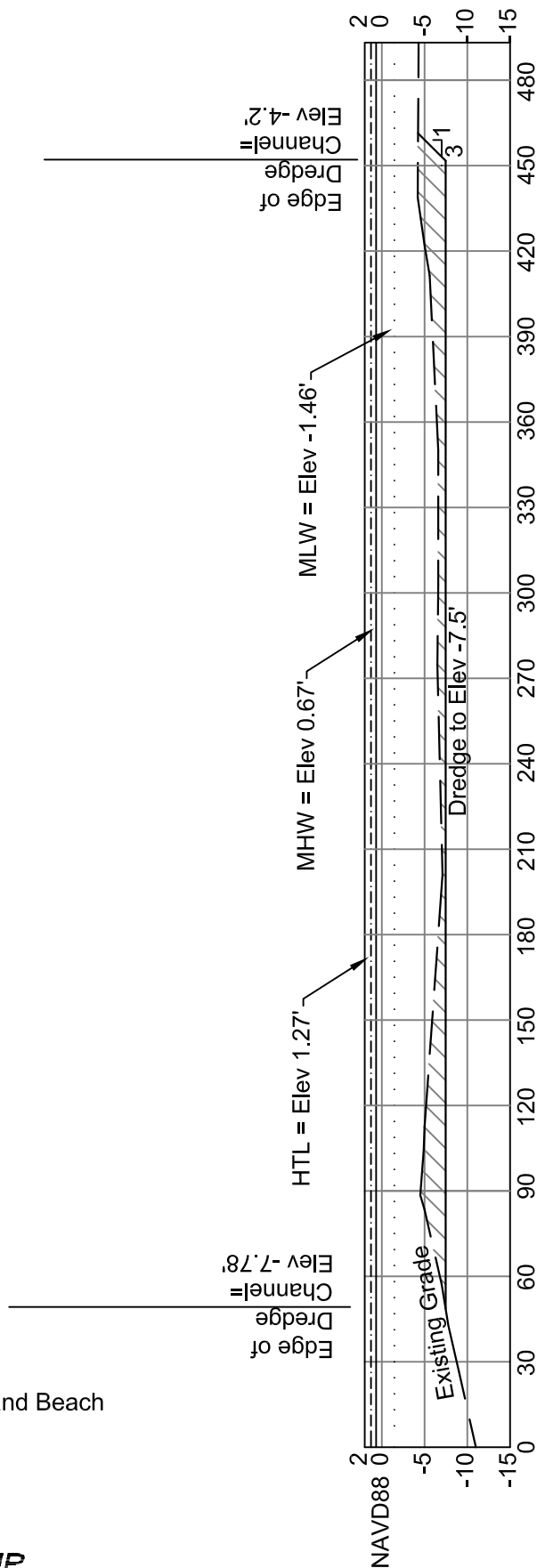
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Inner Harbor

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

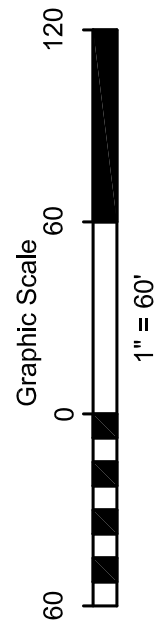
SHEET: 3 OF 6

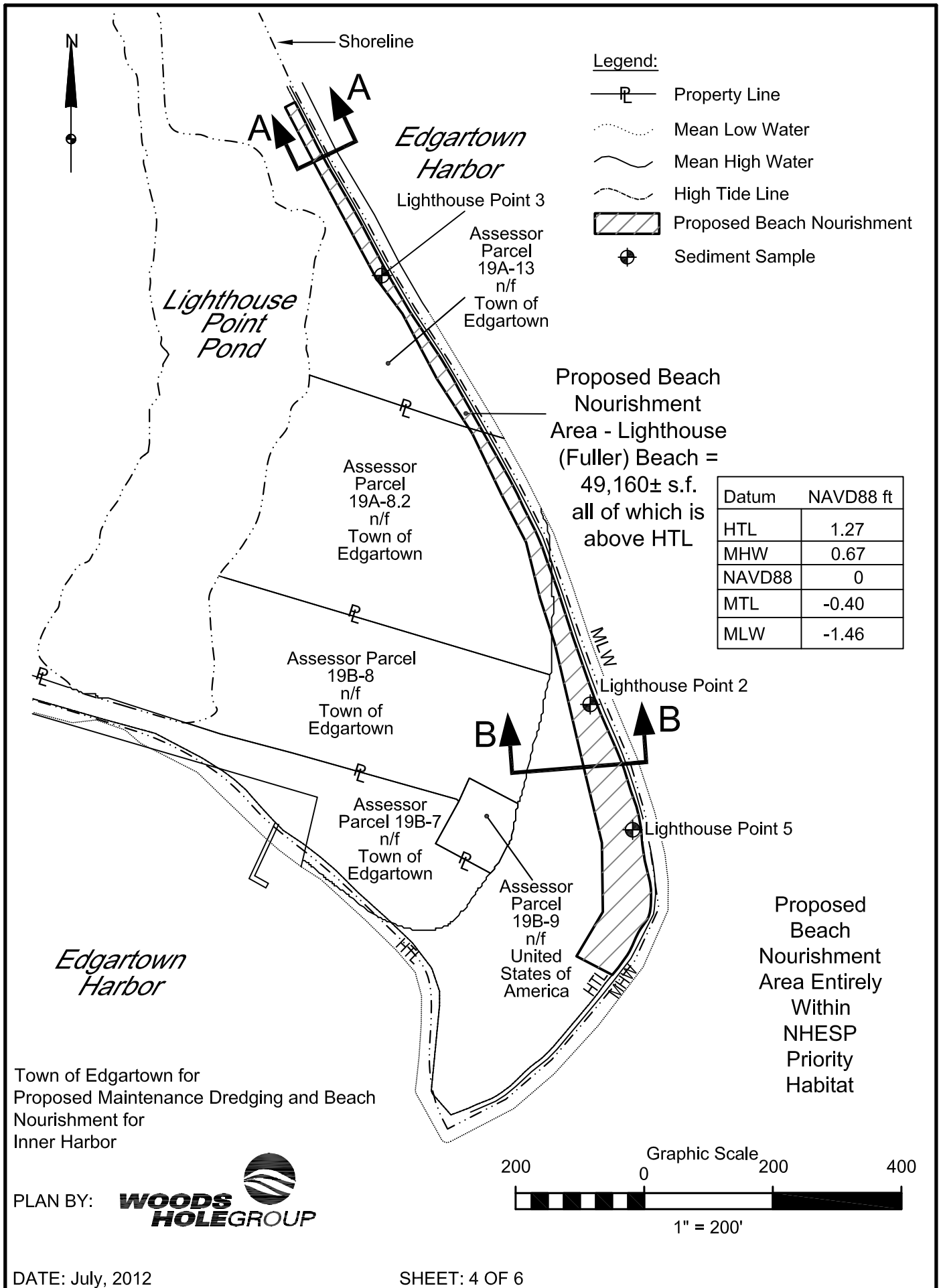
2010-142_Site J ACOE.dwg

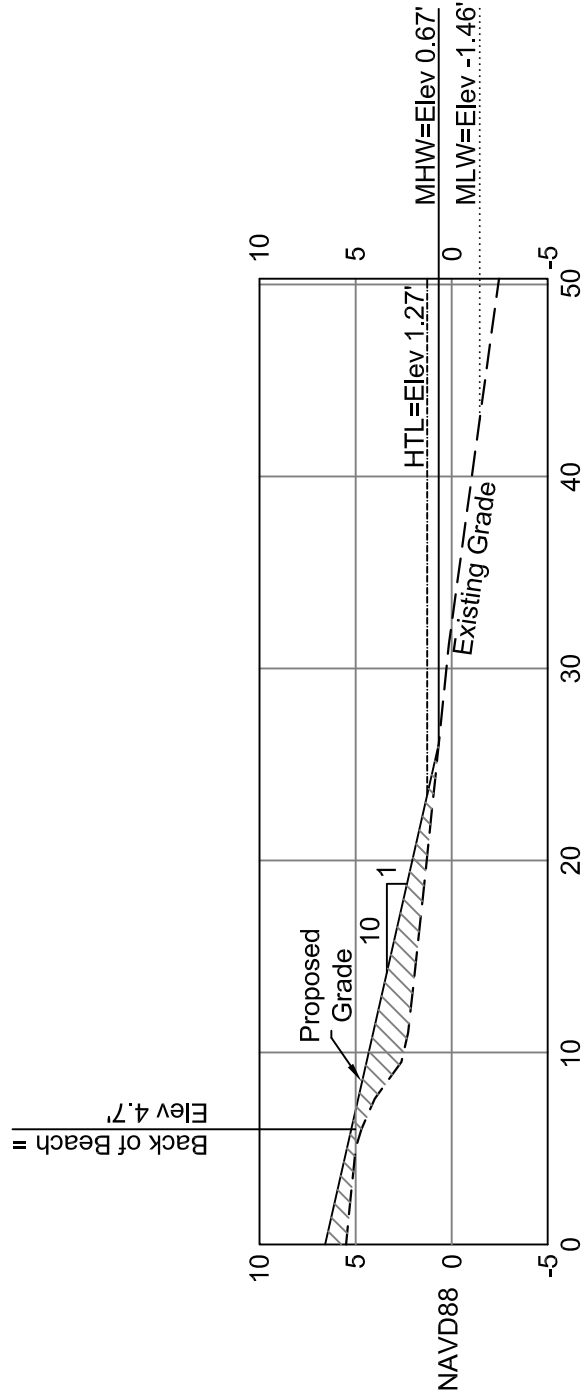


Typical Dredge Cross-Section C-C

Scale: 1" = 60'

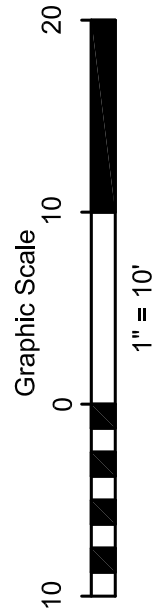






Beach Nourishment Cross-Section A-A

Scale: 1" = 10'



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Inner Harbor

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

SHEET: 5 OF 6

2010-142_Site J ACOE.dwg

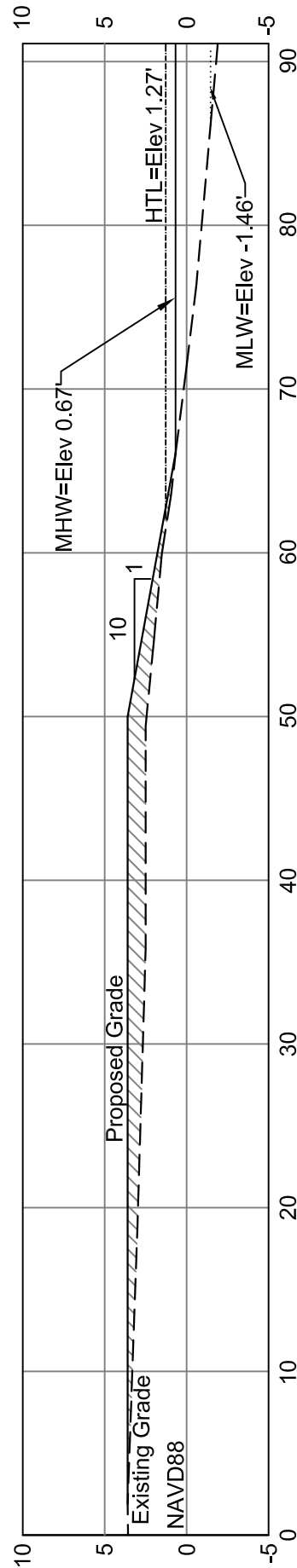
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Inner Harbor

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

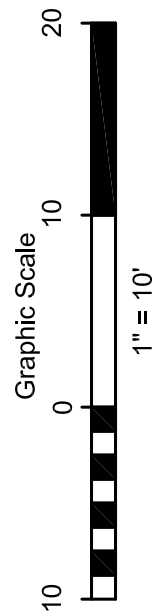
SHEET: 6 OF 6

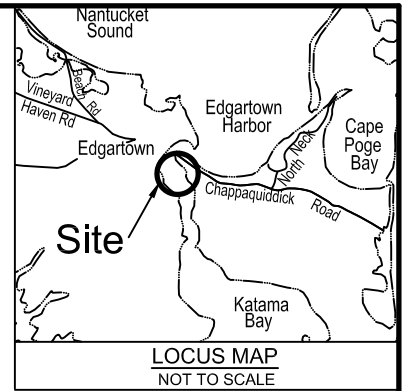
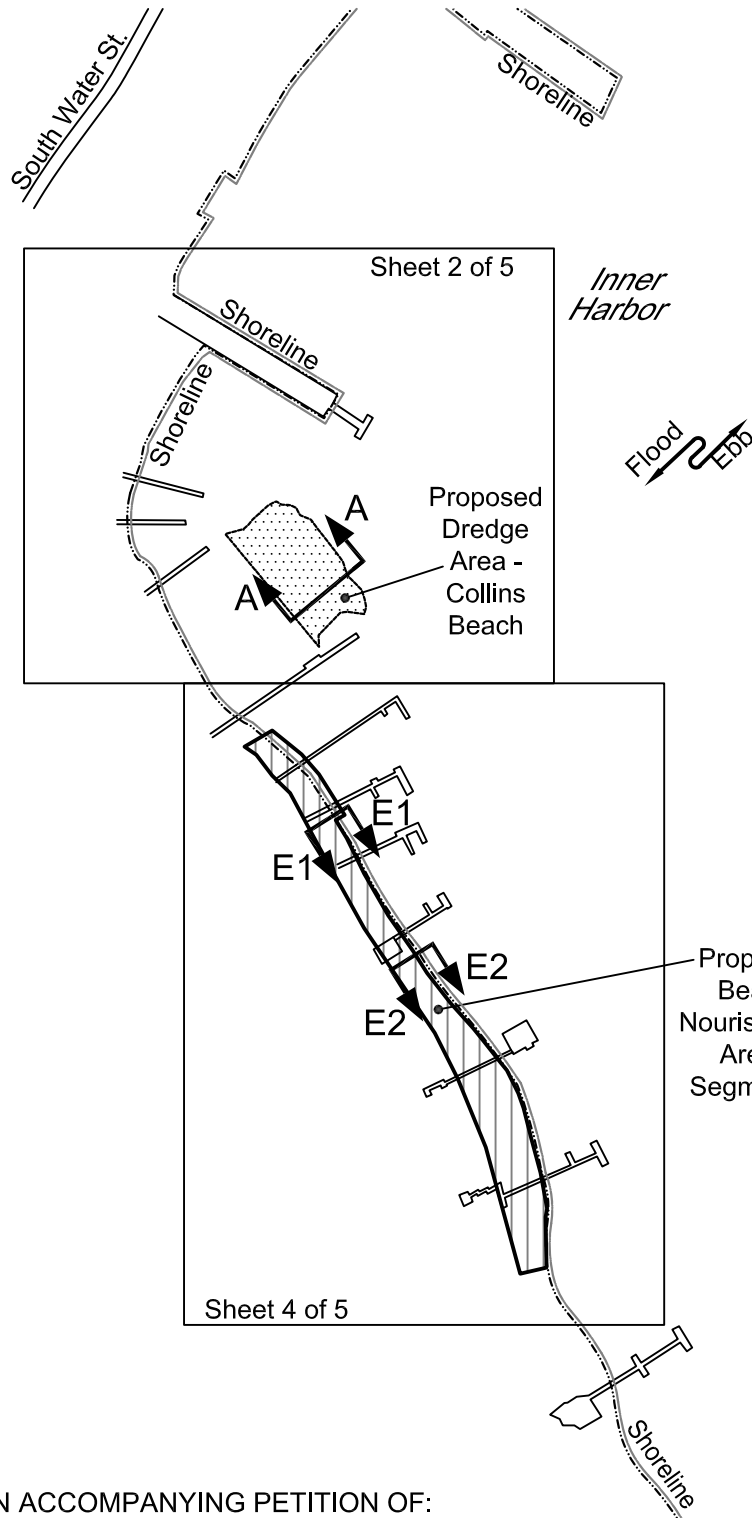
2010-142_Site J ACOE.dwg



Beach Nourishment Cross-Section B-B

Scale: 1" = 10'





General Notes:

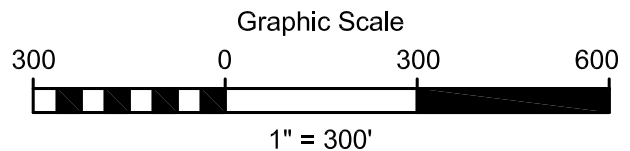
1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in August, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. CENAE-CO-R-199901569

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Collins Beach, Dukes County,
Edgartown, MA

PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001












DATE: July, 2012

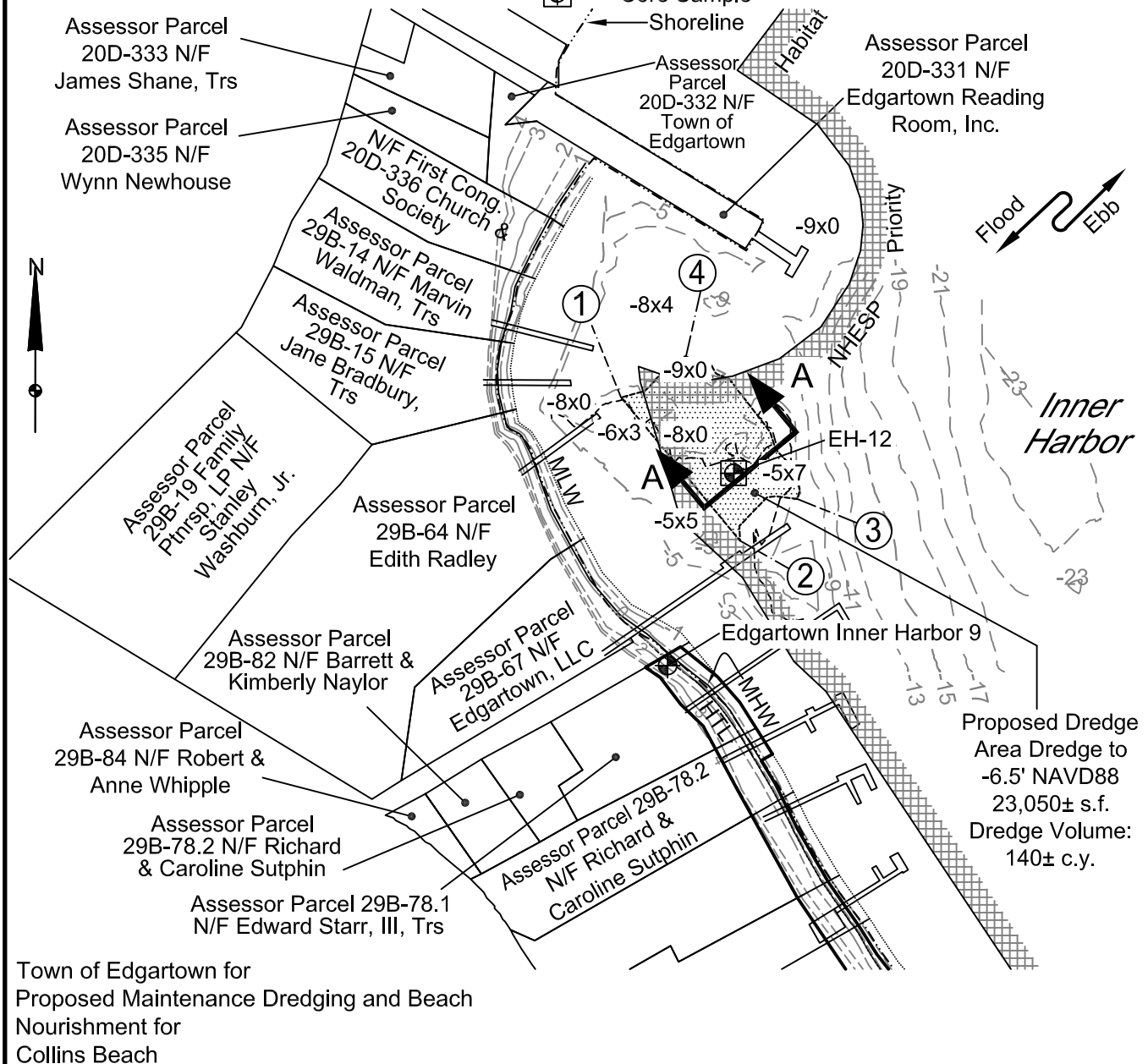
SHEET: 1 OF 5

Dredge Coordinates		
	Northing	Easting
1	2,603,031	926,953
2	2,602,855	927,099
3	2,602,906	927,170
4	2,603,082	927,033

Legend:

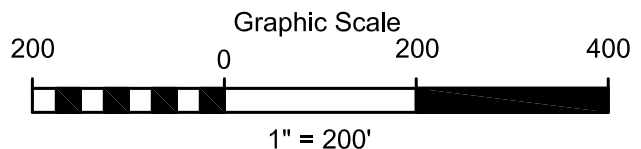
-  Property Line
-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Dredge Channel
-  Dredge Coordinates
-  Sediment Sample
-  Core Sample

Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Collins Beach

PLAN BY: **WOODS HOLE GROUP**



DATE: July, 2012

SHEET: 2 OF 5

2010-142_Site K ACOE.dwg

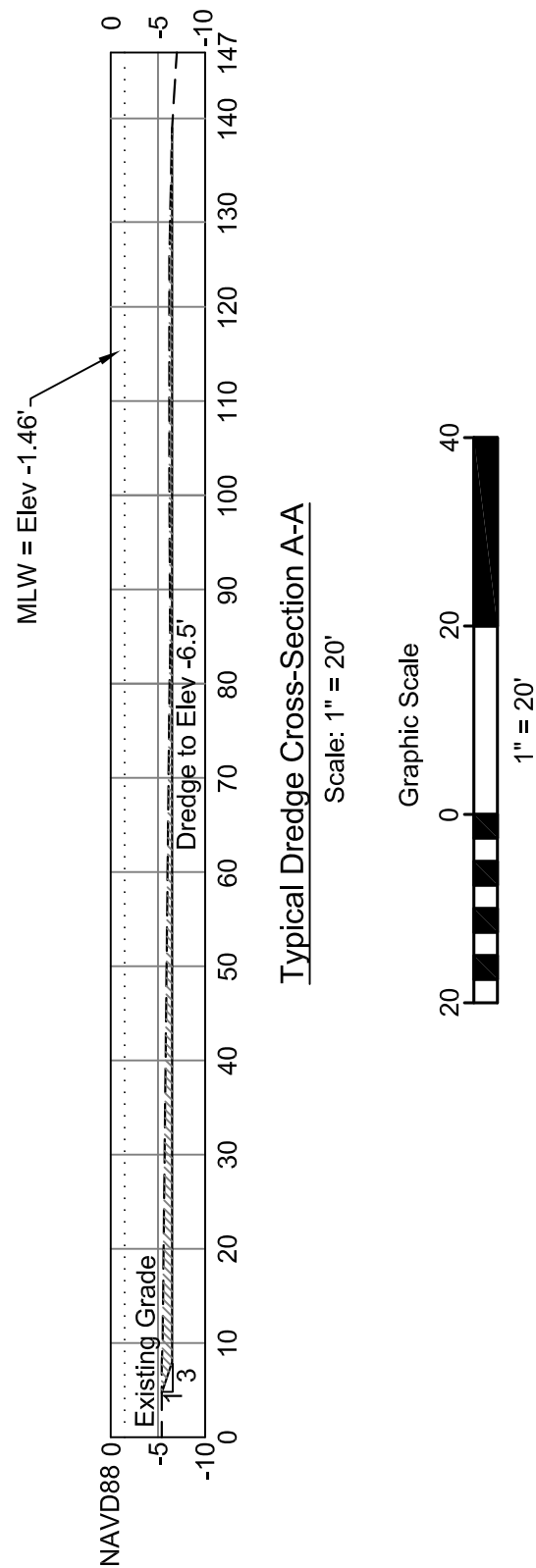
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Collins Beach

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 3 OF 5

2010-142_Site K ACOE.dwg

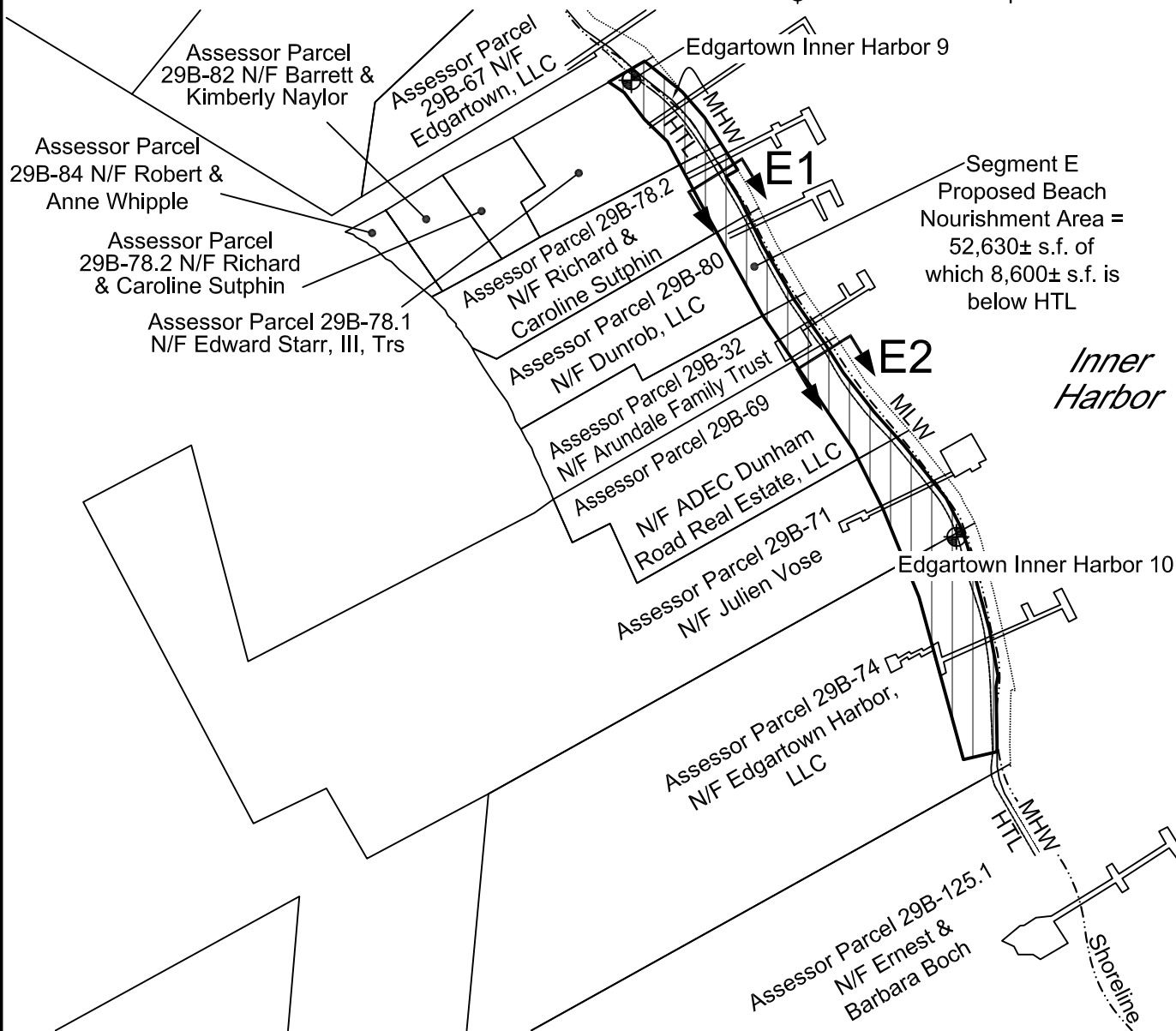




Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

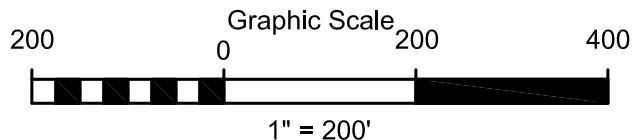
Legend:

- Property Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Beach Nourishment
- Sediment Sample



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Collins Beach

PLAN BY:



DATE: July, 2012

SHEET: 4 OF 5

2010-142_Site K ACOE.dwg

Town of Edgartown for
Proposed Maintenance Dredging
and Beach Nourishment for
Collins Beach

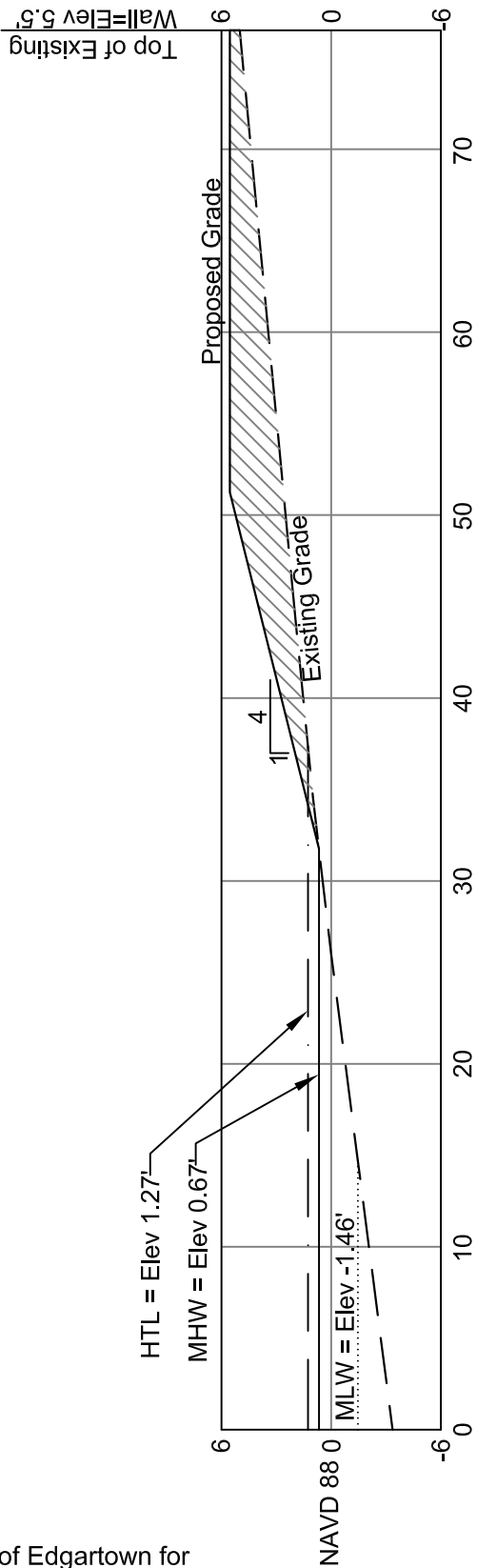
PLAN BY:



DATE: July, 2012

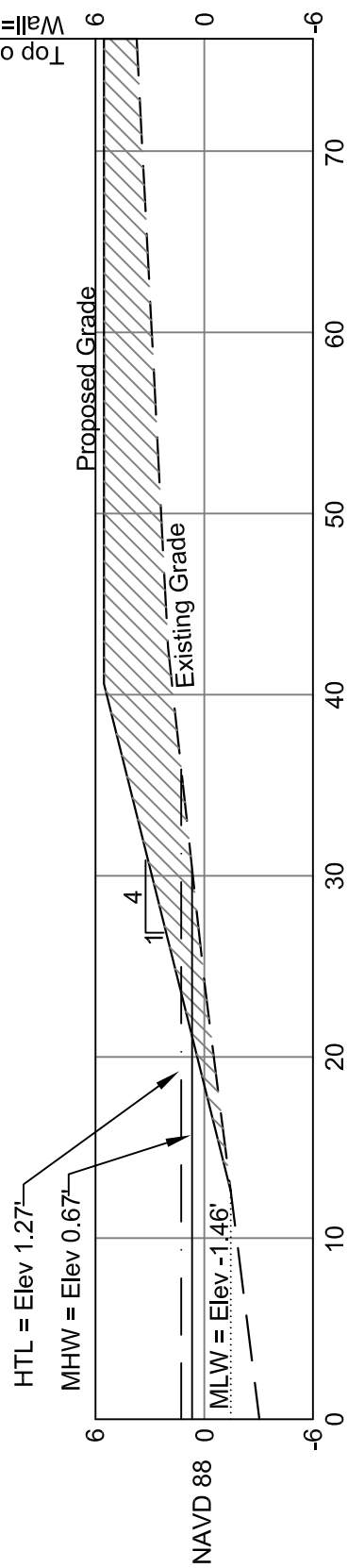
SHEET: 5 OF 5

2010-142_Site K ACOE.dwg



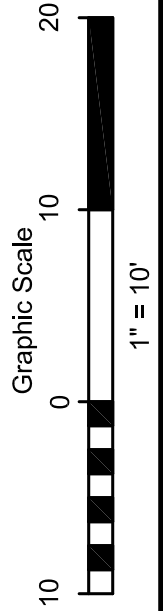
Beach Nourishment Cross-Section E2

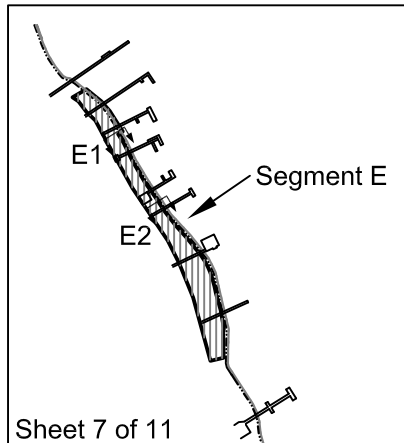
Scale: 1" = 10'



Beach Nourishment Cross-Section E1

Scale: 1" = 10'





Edgartown Inner Harbor

Sheet 5 of 11

Segment A
Chappaquiddick Island

Segment B

Segment C

Calebs Pond Rd.

Calebs Pond

Edgartown Inner Harbor

Segment F

Sheet 2 of 11

Segment D

Proposed Dredge Area - Calebs Pond

Sheet 6 of 11

General Notes:

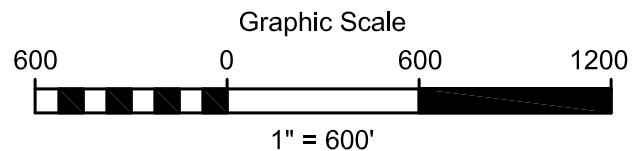
1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in May, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2004-0114

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond, Dukes County,
Edgartown, MA

PLAN BY:



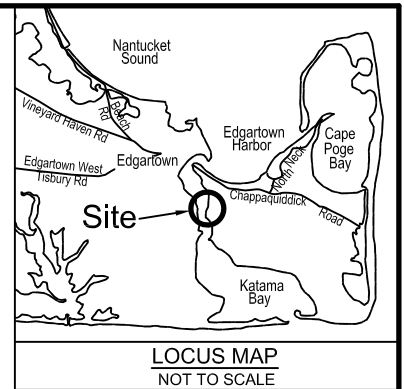
81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001



DATE: July, 2012

SHEET: 1 OF 11

2010-142_Site F ACOE.dwg

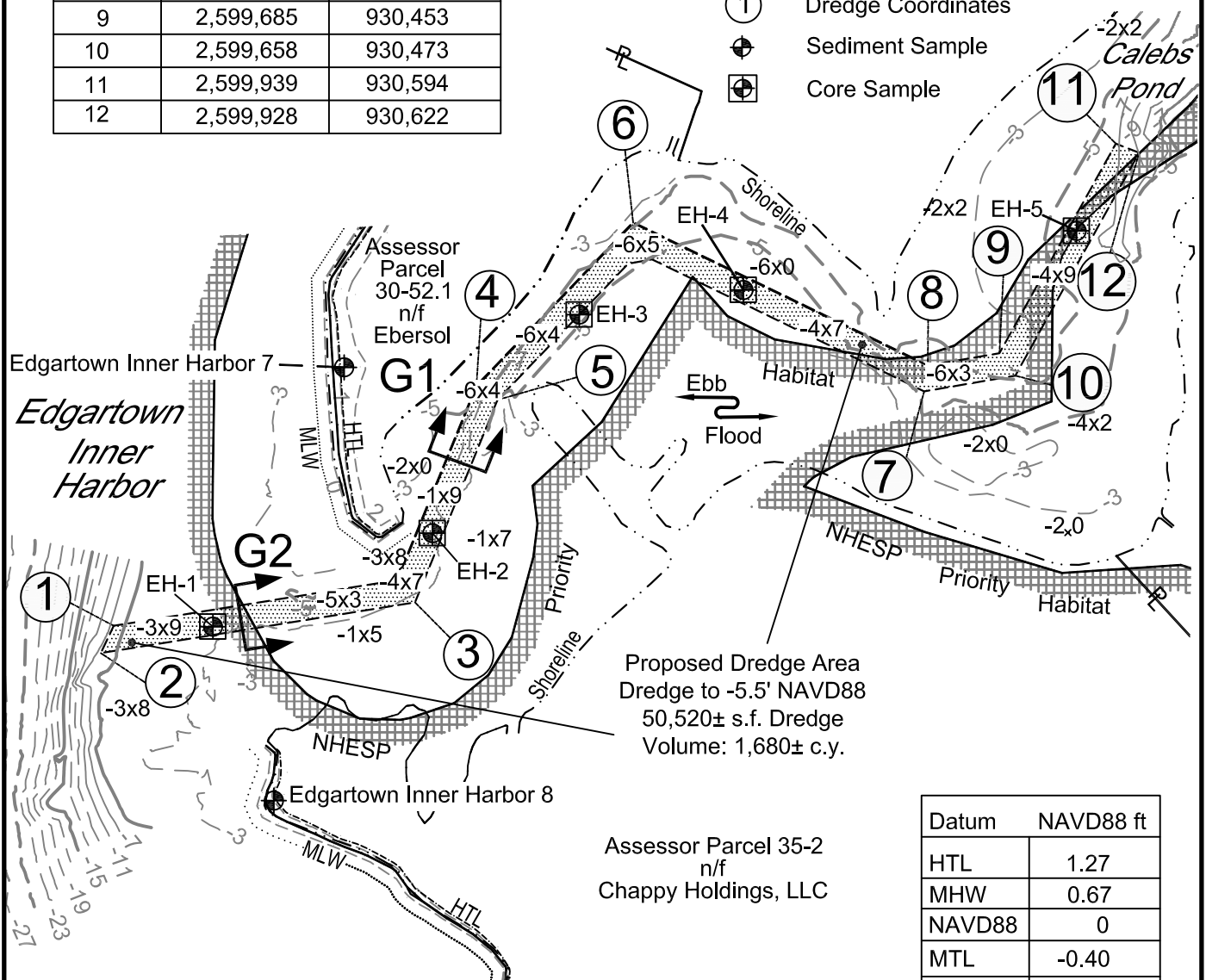


Dredge Coordinates

	Northing	Easting
1	2,599,355	929,382
2	2,599,322	929,367
3	2,599,384	929,747
4	2,599,645	929,821
5	2,599,629	929,847
6	2,599,843	930,011
7	2,599,639	930,362
8	2,599,670	930,367
9	2,599,685	930,453
10	2,599,658	930,473
11	2,599,939	930,594
12	2,599,928	930,622

Legend:

- Shoreline
- Property Line
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Sediment Sample
- Core Sample



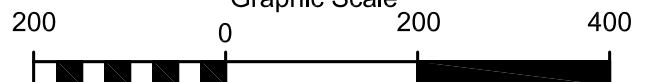
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Cabels Pond

PLAN BY: **WOODS HOLE GROUP**

DATE: July, 2012

SHEET: 2 OF 11

Graphic Scale



1" = 200'

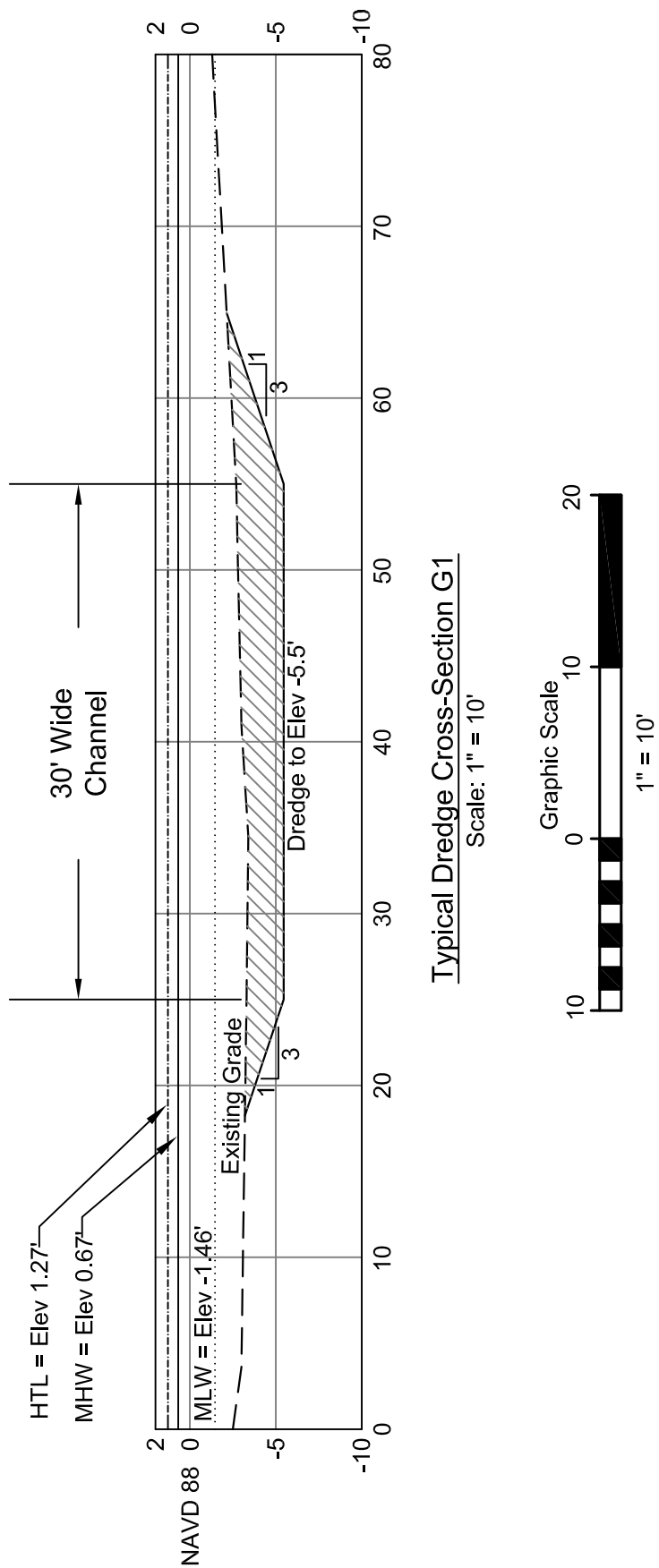
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 3 OF 11

2010-142_Site F ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

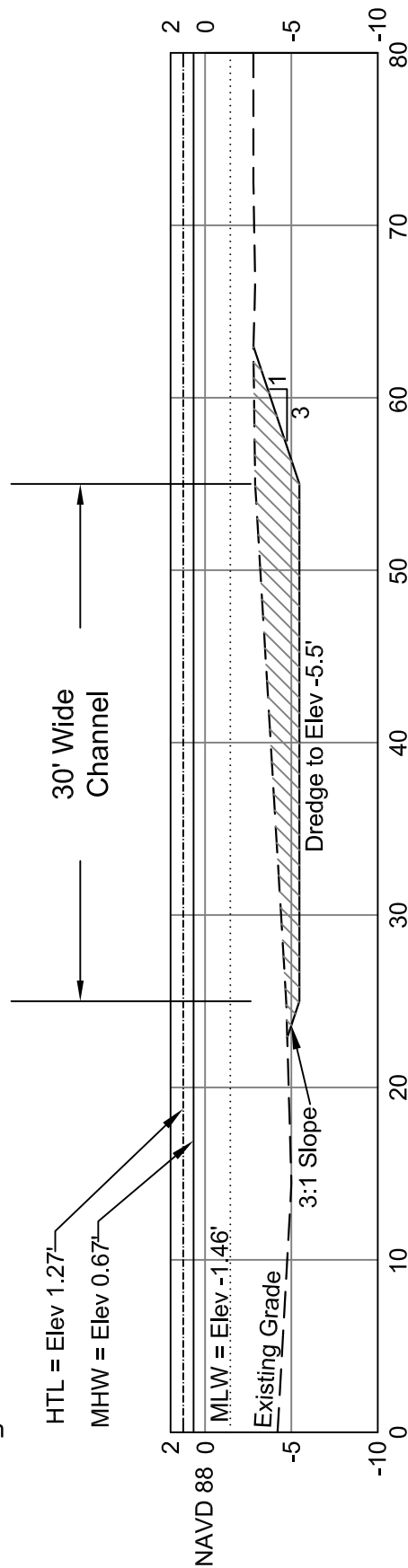
PLAN BY:



DATE: July, 2012

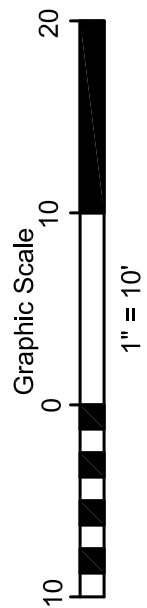
SHEET: 4 OF 11

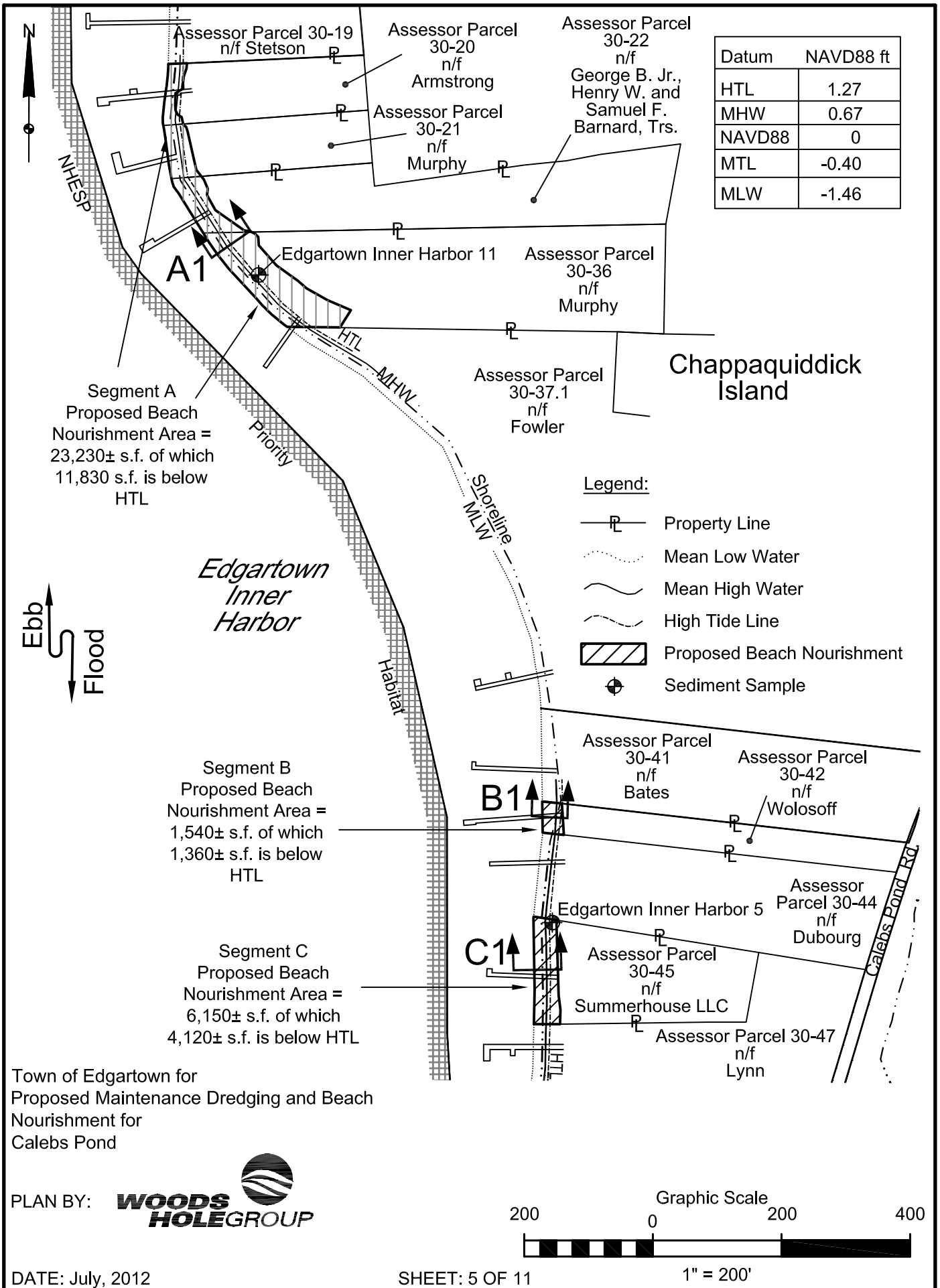
2010-142_Site F ACOE.dwg

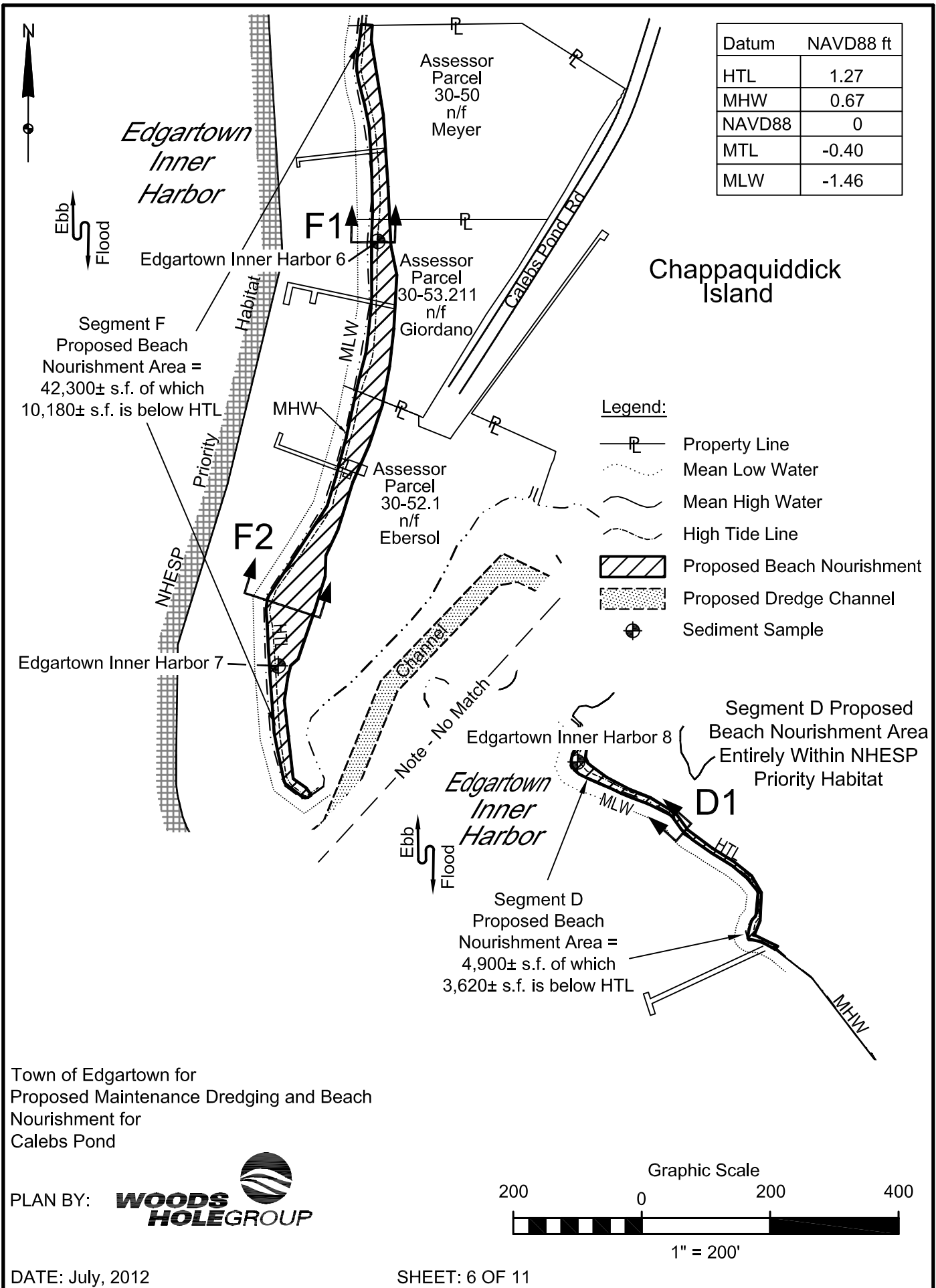


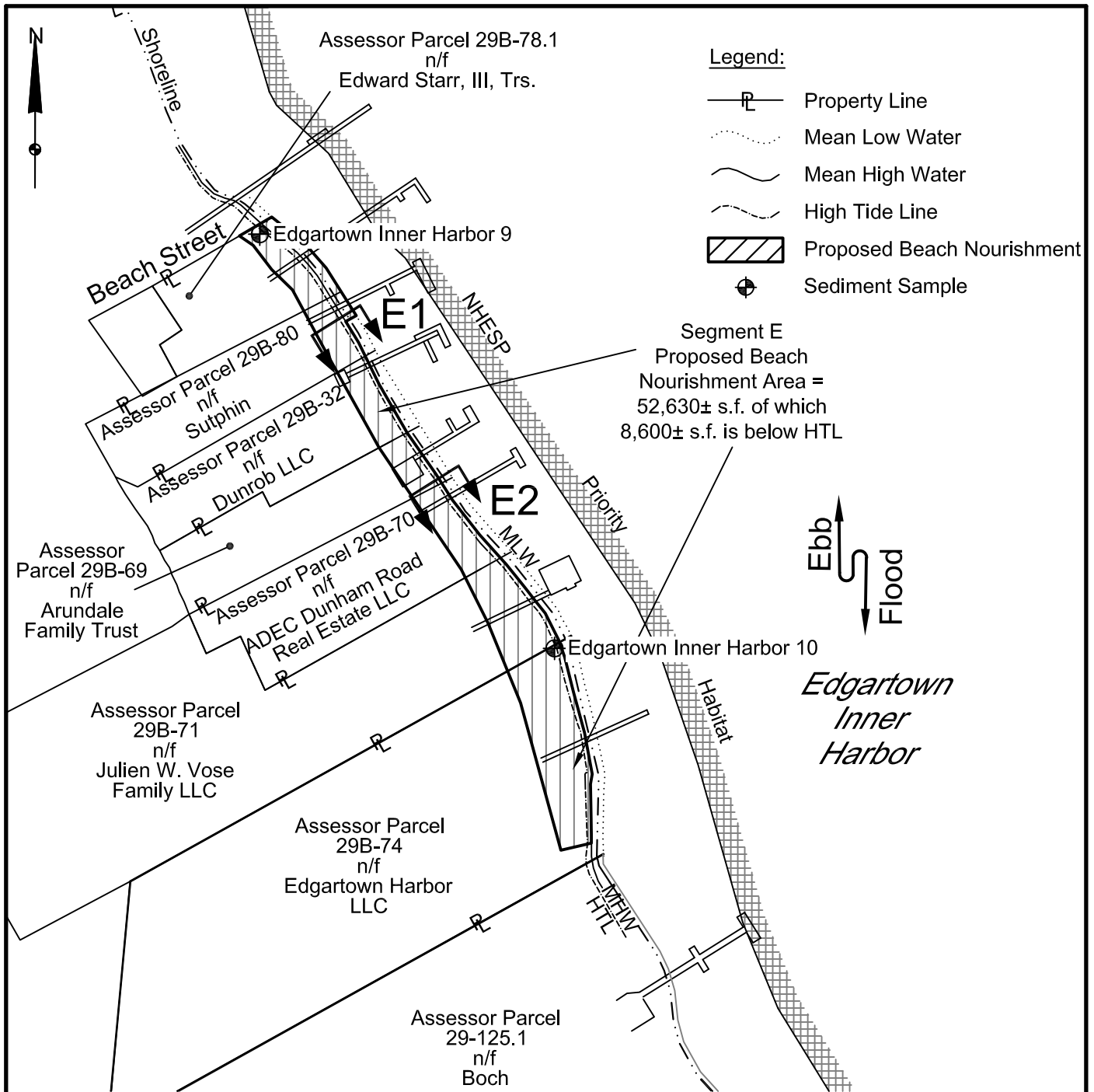
Typical Dredge Cross-Section G2

Scale: 1" = 10'









Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

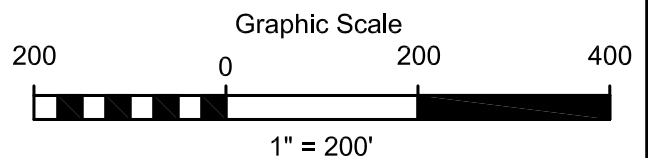
PLAN BY:



DATE: July, 2012

SHEET: 7 OF 11

2010-142_Site F ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

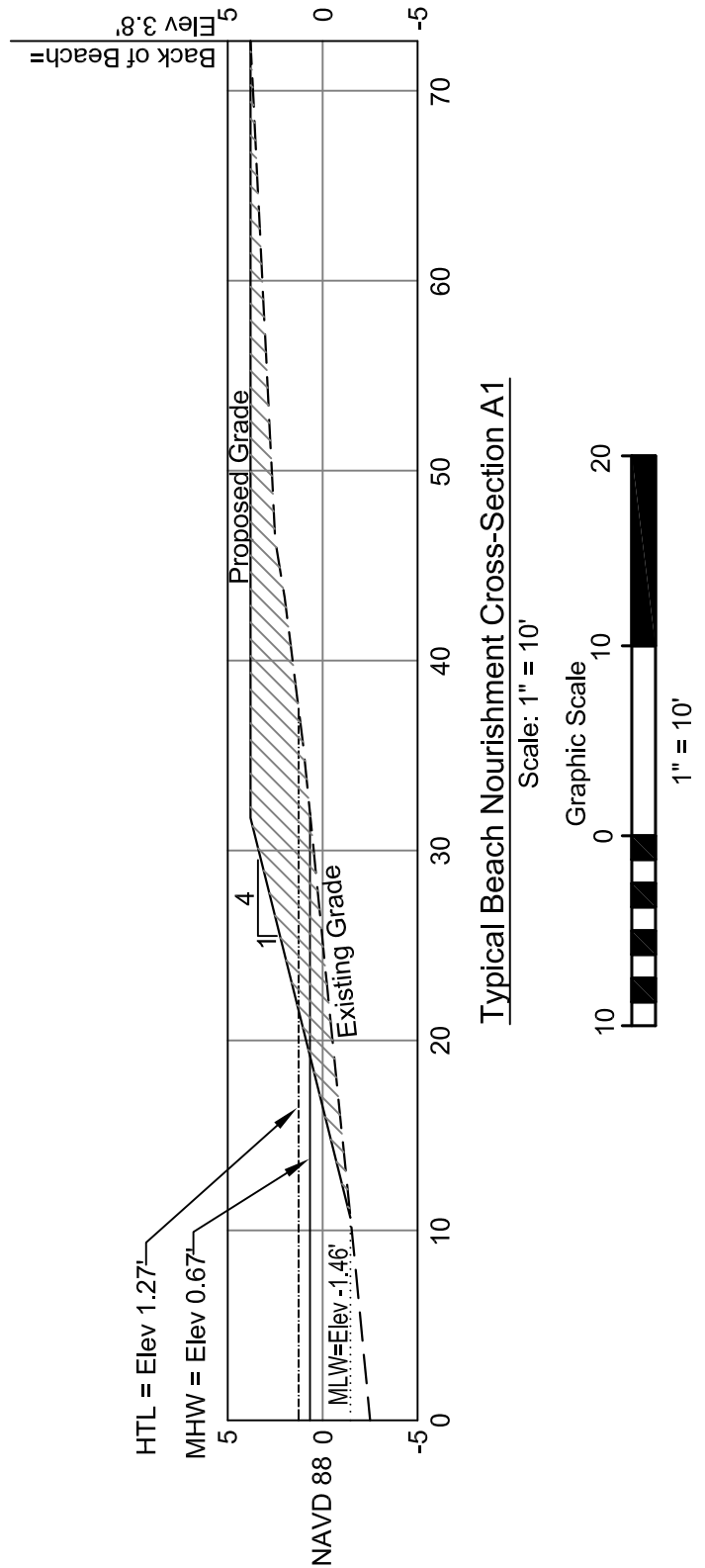
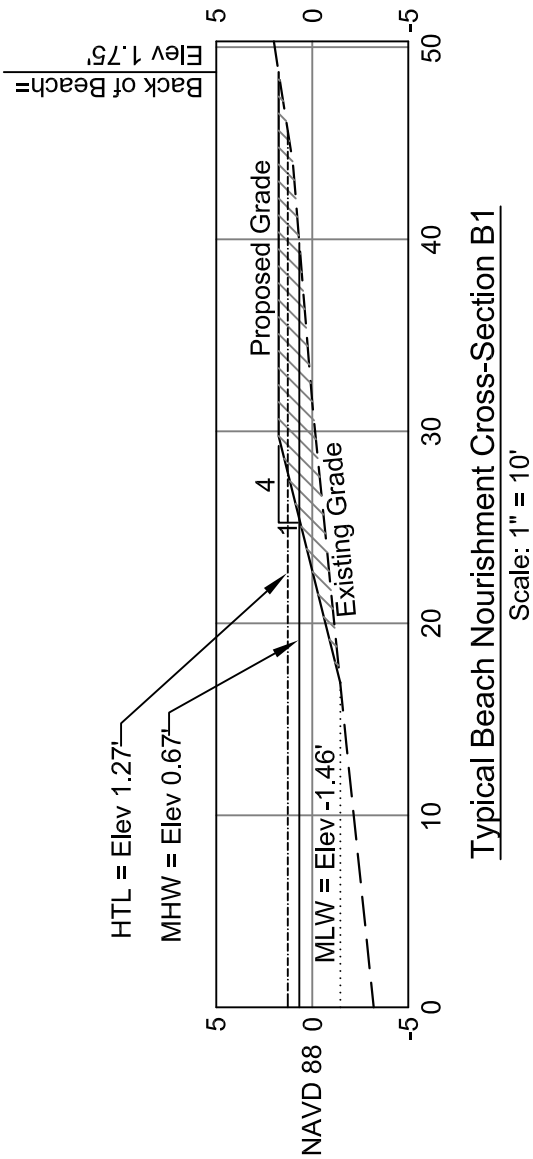
PLAN BY:



DATE: July, 2012

SHEET: 8 OF 11

2010-142_Site F ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

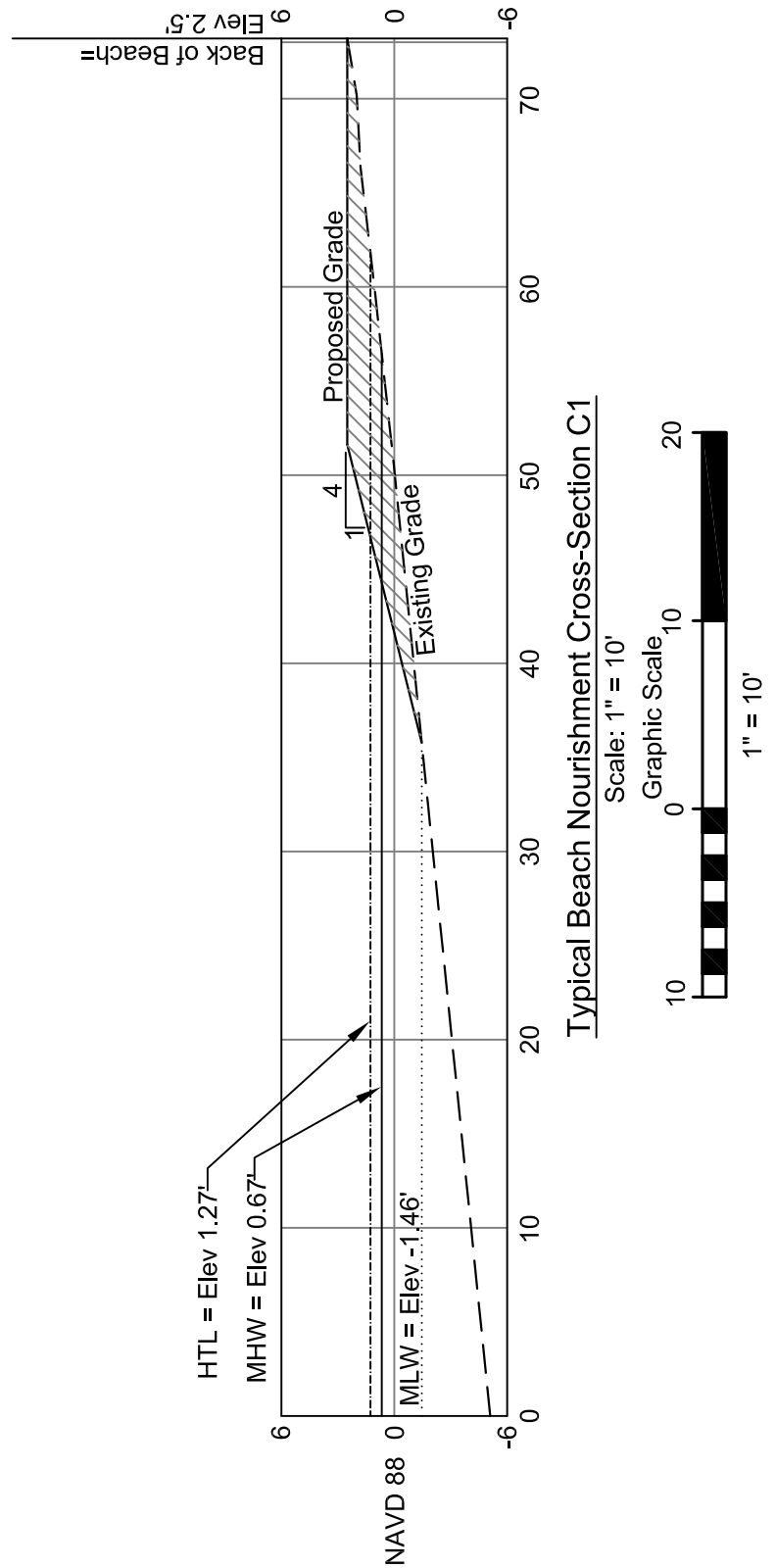
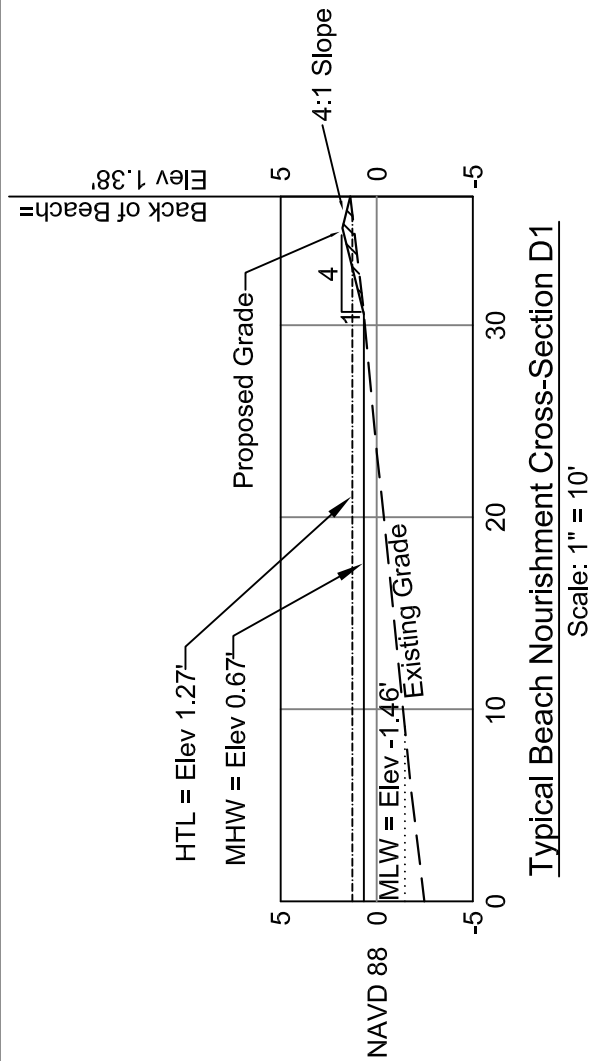
PLAN BY:



DATE: July, 2012

SHEET: 9 OF 11

2010-142_Site F ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

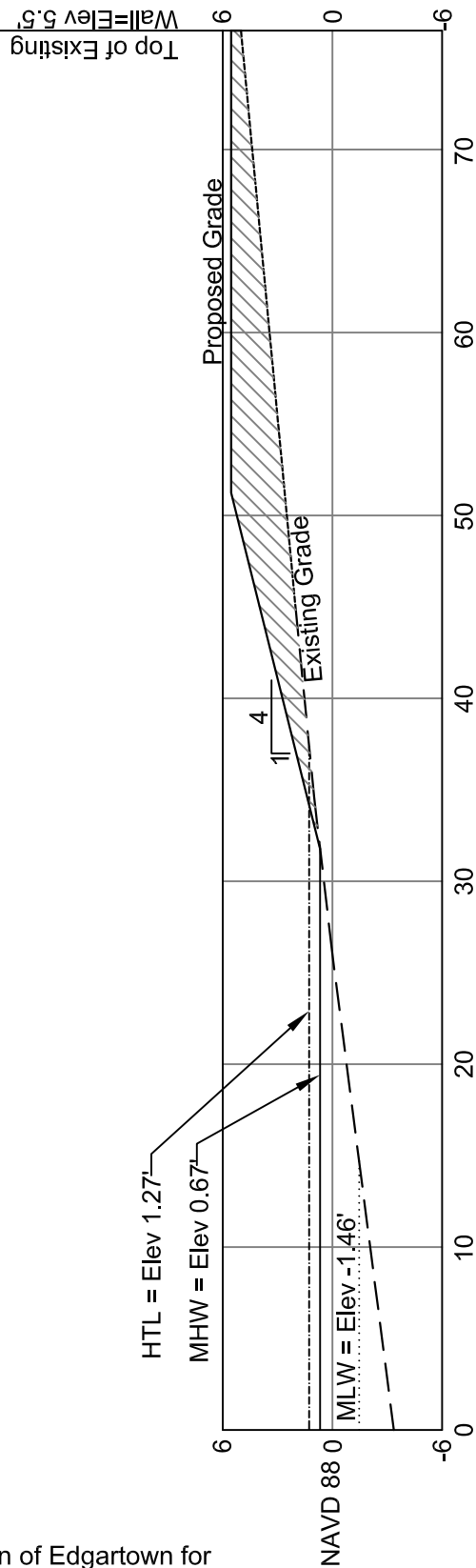
PLAN BY:



DATE: July, 2012

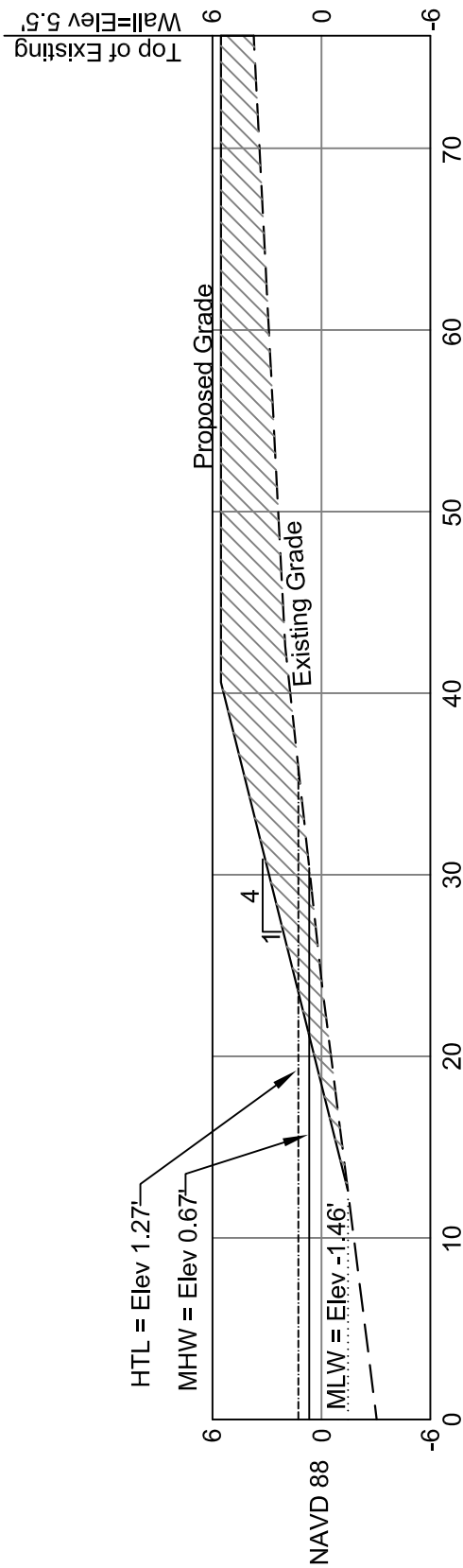
SHEET: 10 OF 11

2010-142_Site F ACOE.dwg



Beach Nourishment Cross-Section E2

Scale: 1" = 10'



Beach Nourishment Cross-Section E1

Scale: 1" = 10'

Graphic Scale



1" = 10'

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

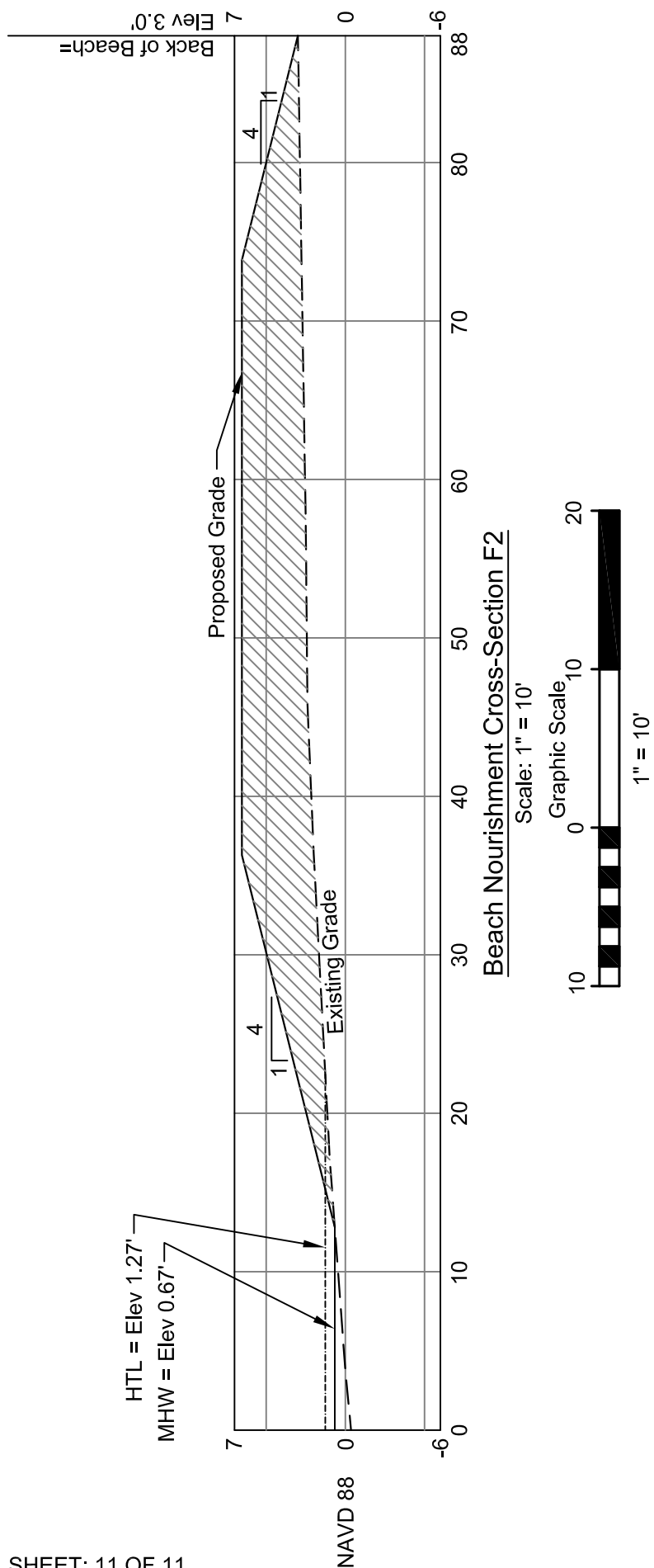
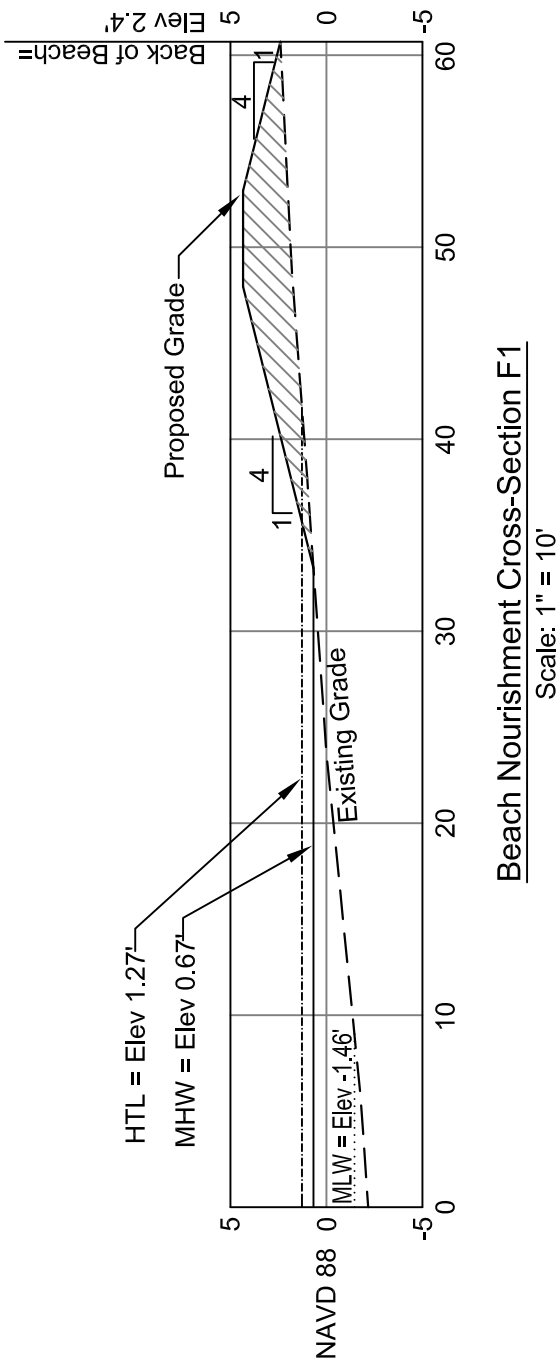
PLAN BY:

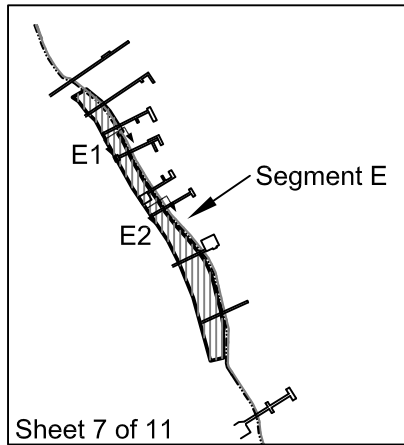


DATE: July, 2012

SHEET: 11 OF 11

2010-142_Site F ACOE.dwg





*Edgartown
Inner
Harbor*

Sheet 5 of 11

Segment A
Chappaquiddick Island

Segment B

Segment C

Calebs Pond Rd.

Calebs Pond

*Edgartown
Inner
Harbor*

Segment F

Sheet 2 of 11

Segment D

Proposed Dredge
Area - Calebs Pond

Sheet 6 of 11

General Notes:

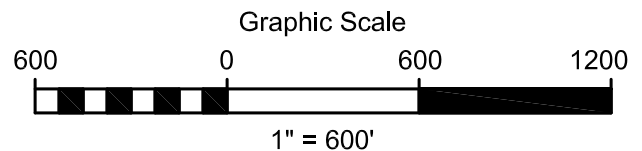
1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in May, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2004-0114

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond, Dukes County,
Edgartown, MA

PLAN BY:



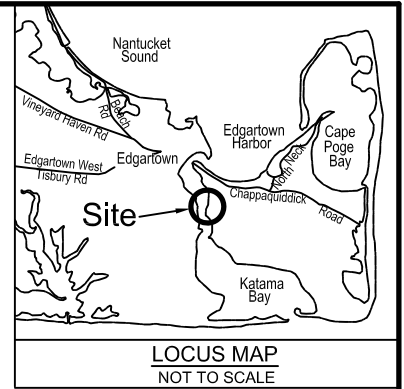
81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001



DATE: July, 2012

SHEET: 1 OF 11

2010-142_Site F ACOE.dwg

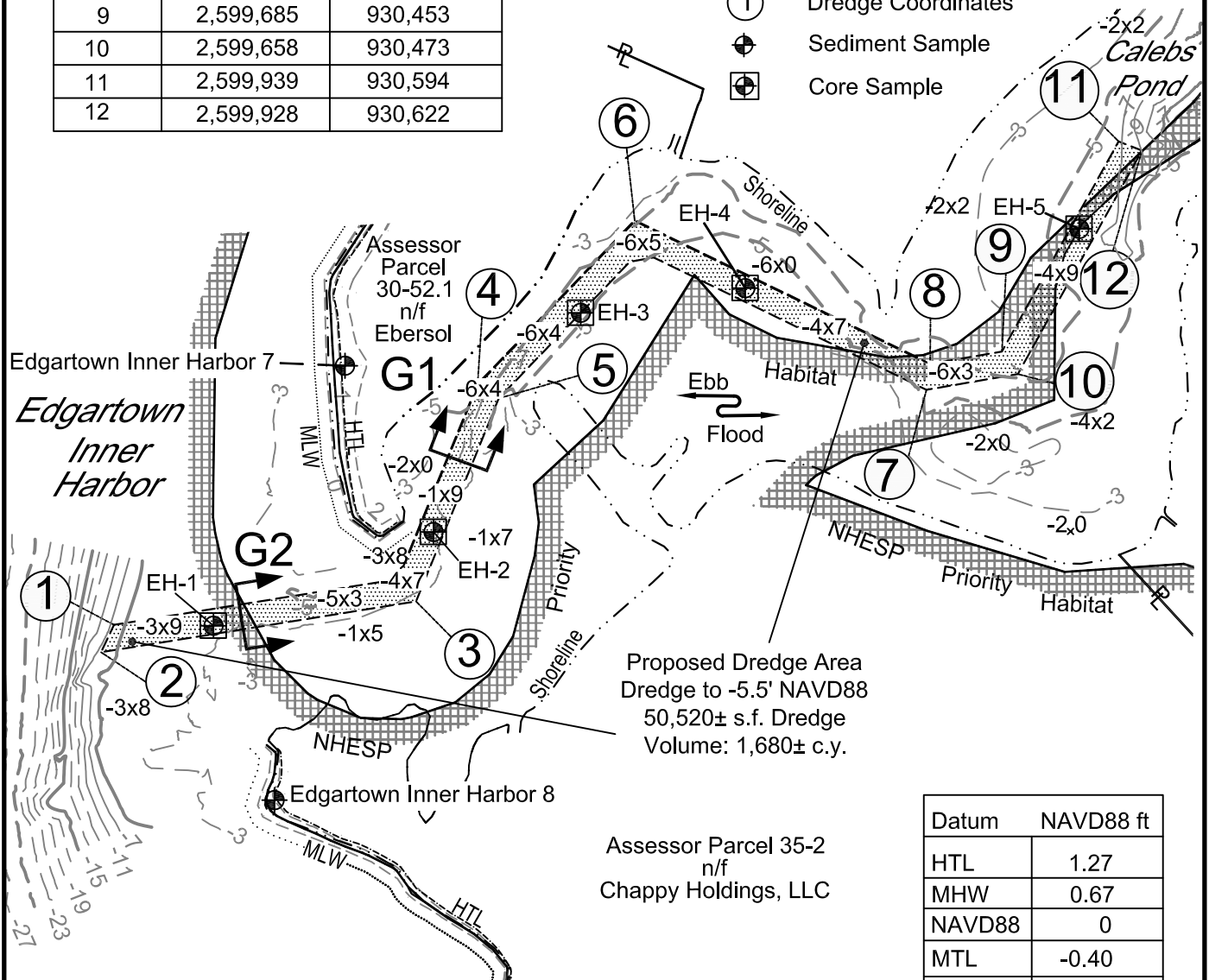


Dredge Coordinates

	Northing	Easting
1	2,599,355	929,382
2	2,599,322	929,367
3	2,599,384	929,747
4	2,599,645	929,821
5	2,599,629	929,847
6	2,599,843	930,011
7	2,599,639	930,362
8	2,599,670	930,367
9	2,599,685	930,453
10	2,599,658	930,473
11	2,599,939	930,594
12	2,599,928	930,622

Legend:

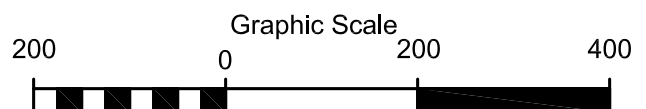
- Shoreline
- Property Line
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Sediment Sample
- Core Sample



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Cabels Pond

PLAN BY: **WOODS HOLE GROUP**



DATE: July, 2012

SHEET: 2 OF 11

1" = 200'

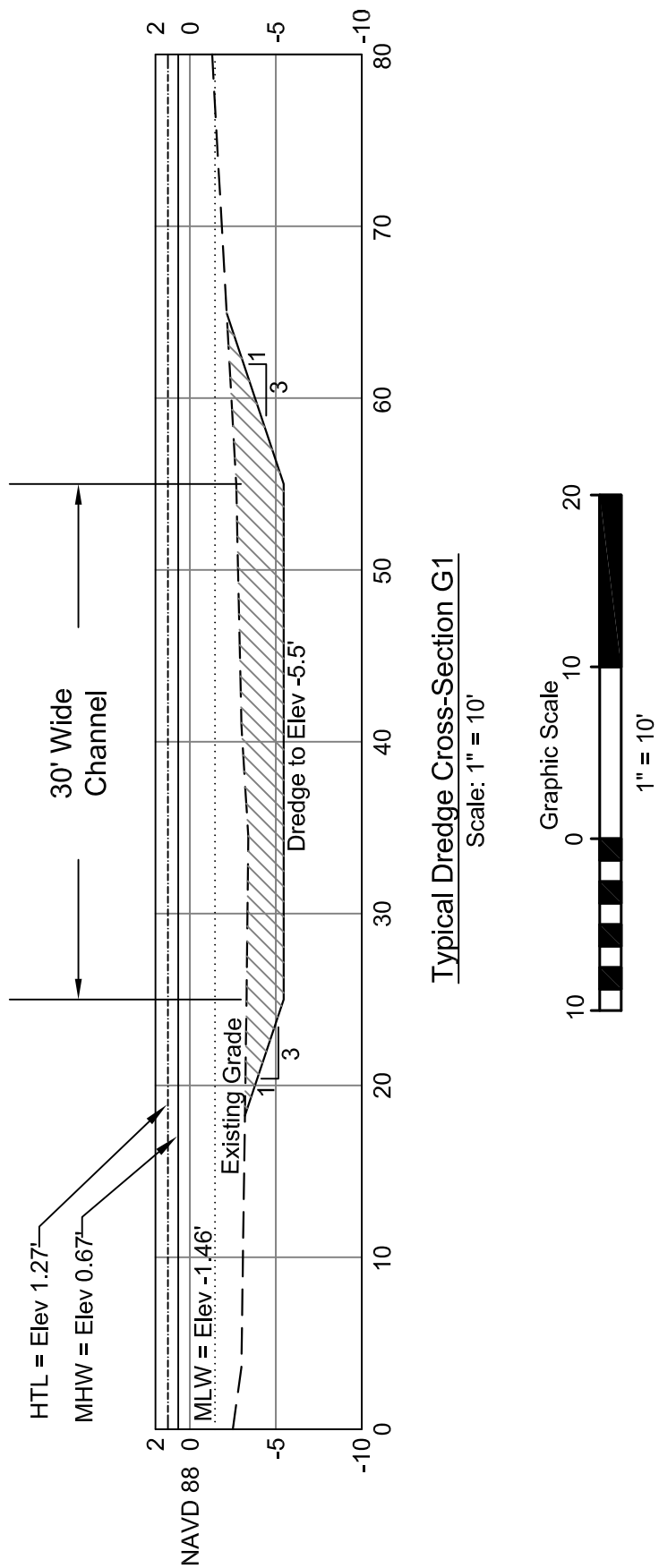
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 3 OF 11

2010-142_Site F ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

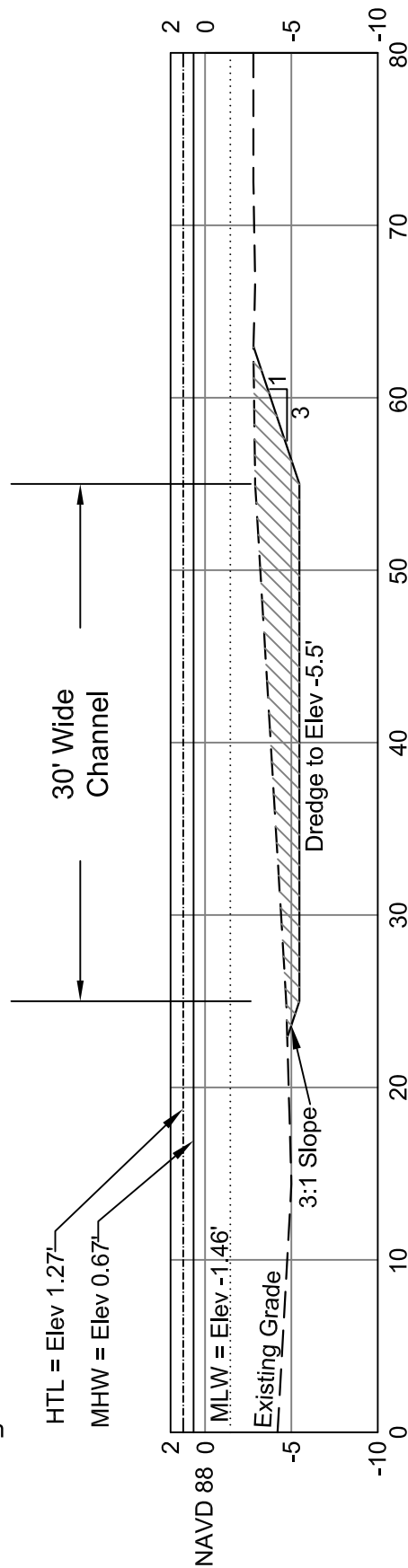
PLAN BY:



DATE: July, 2012

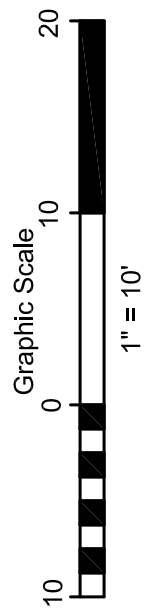
SHEET: 4 OF 11

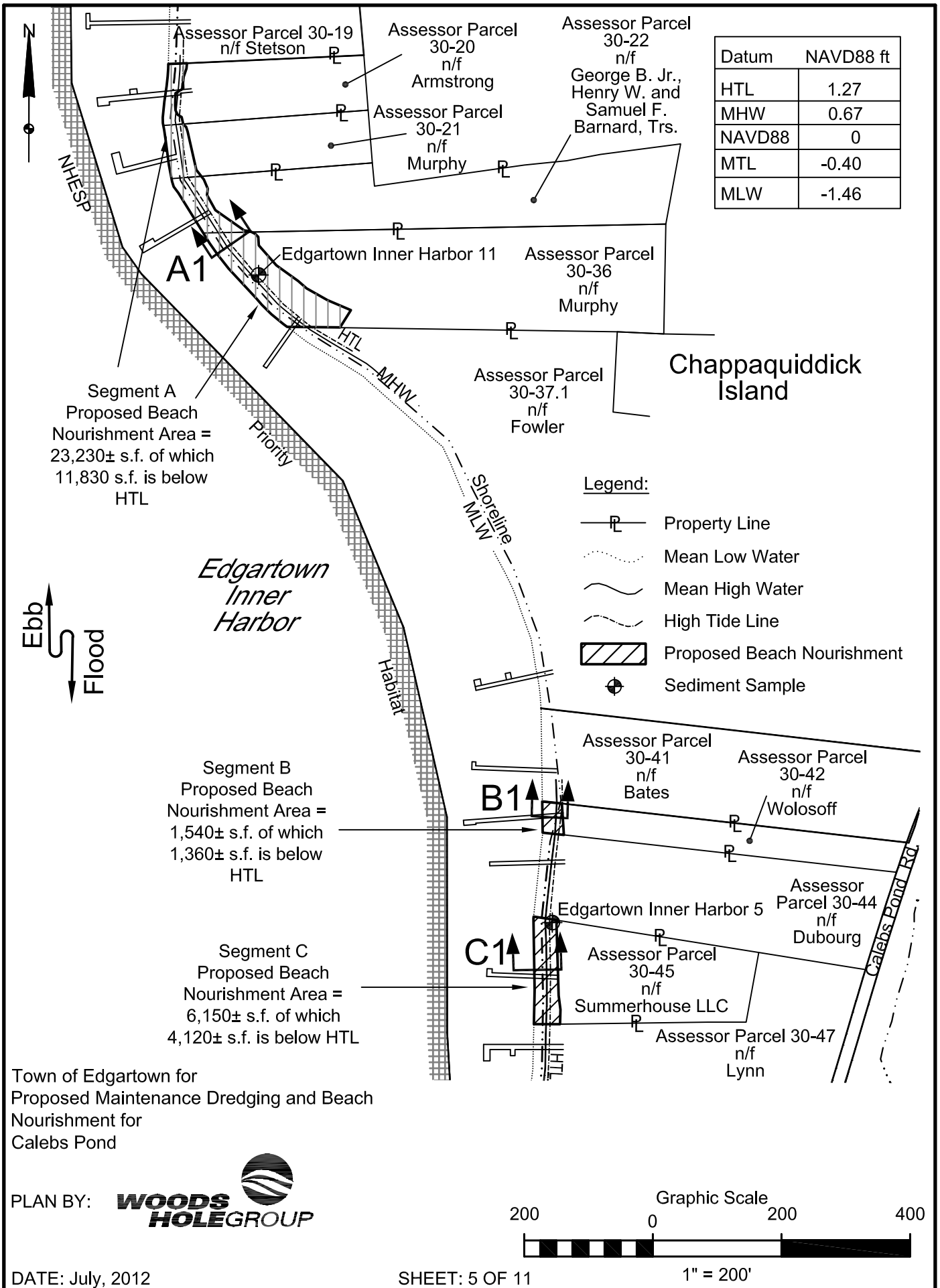
2010-142_Site F ACOE.dwg

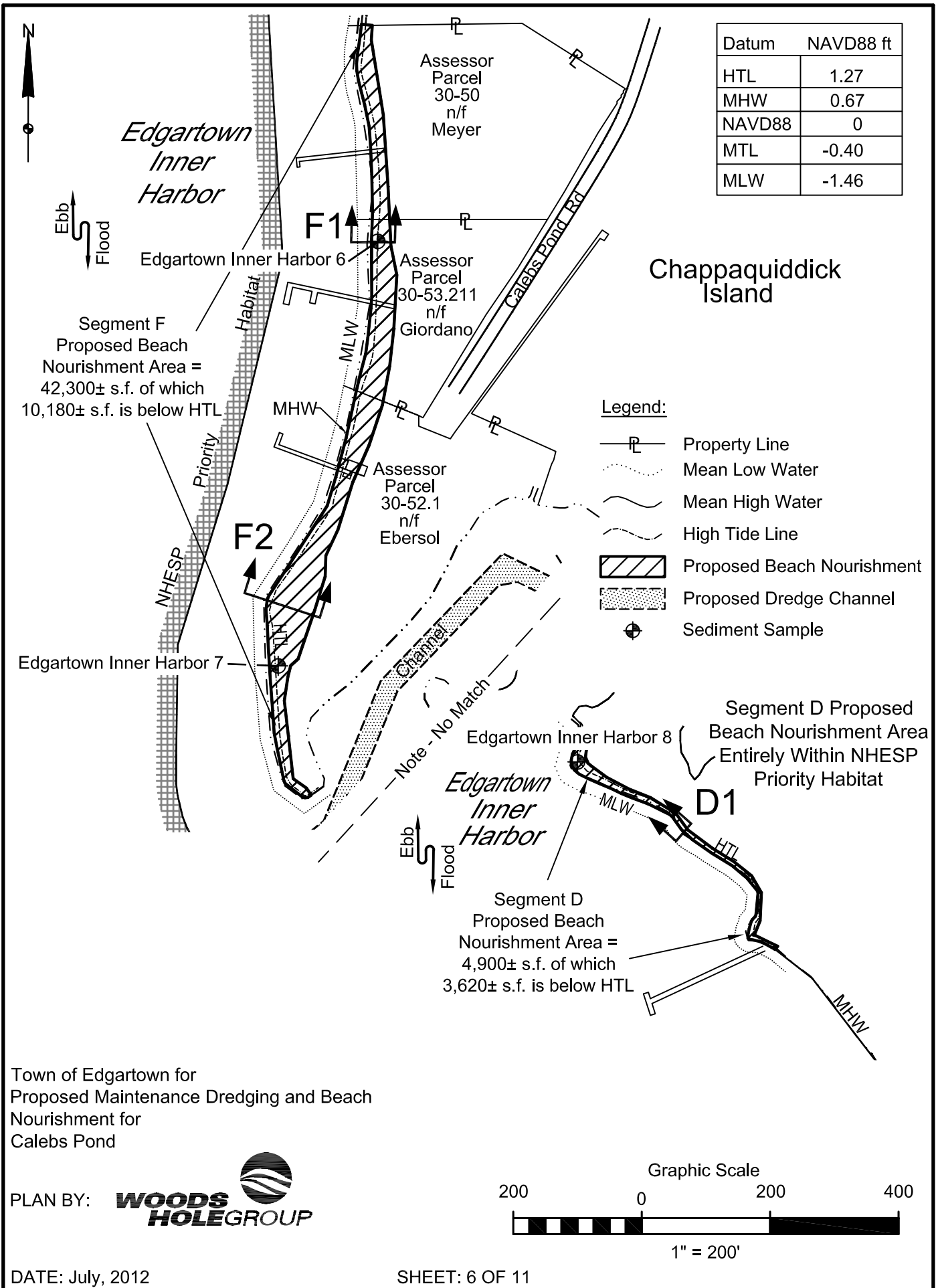


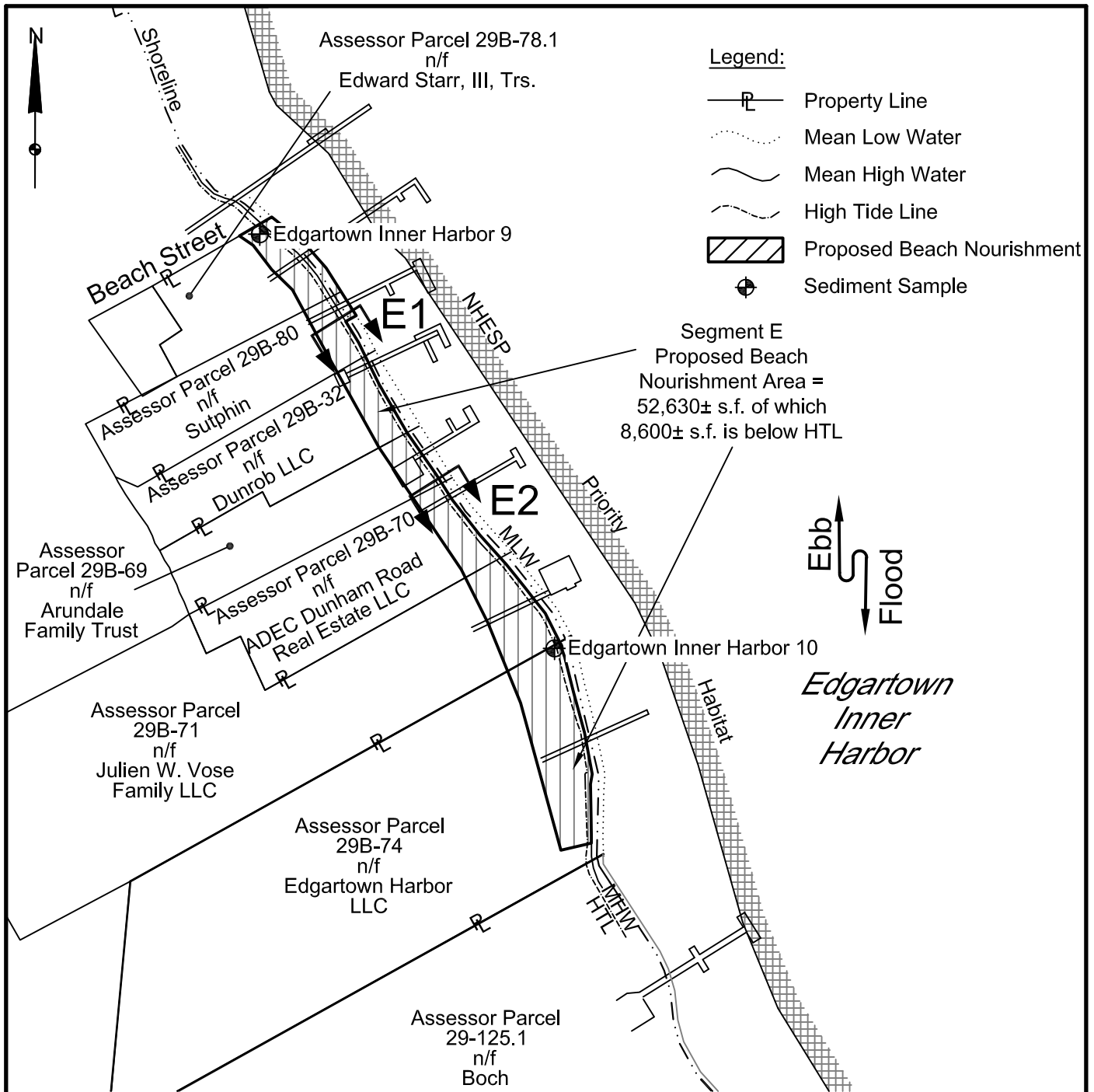
Typical Dredge Cross-Section G2

Scale: 1" = 10'









Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

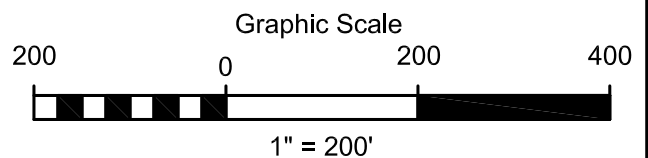
PLAN BY:



DATE: July, 2012

SHEET: 7 OF 11

Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46



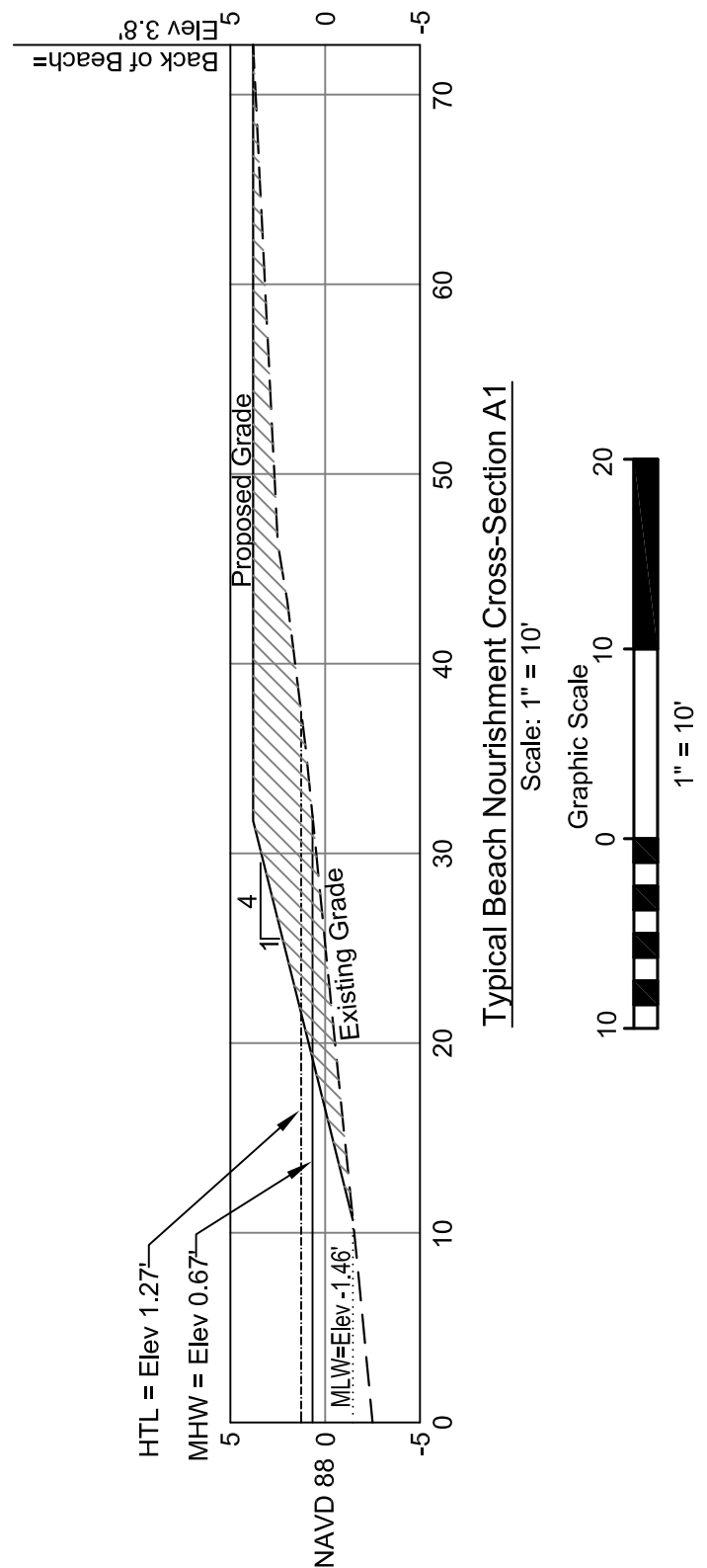
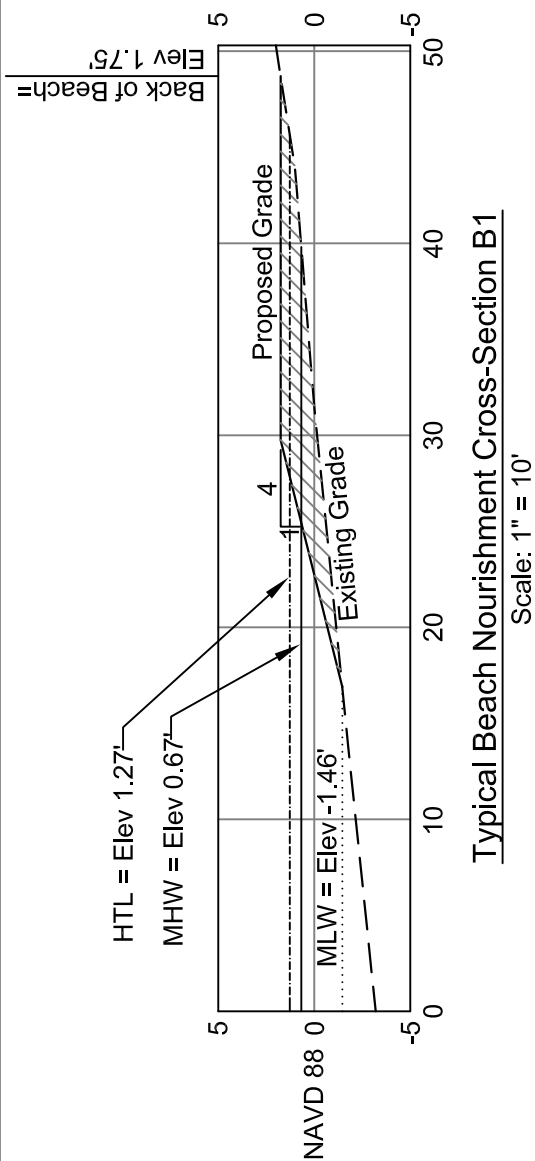
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 8 OF 11

2010-142_Site F ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

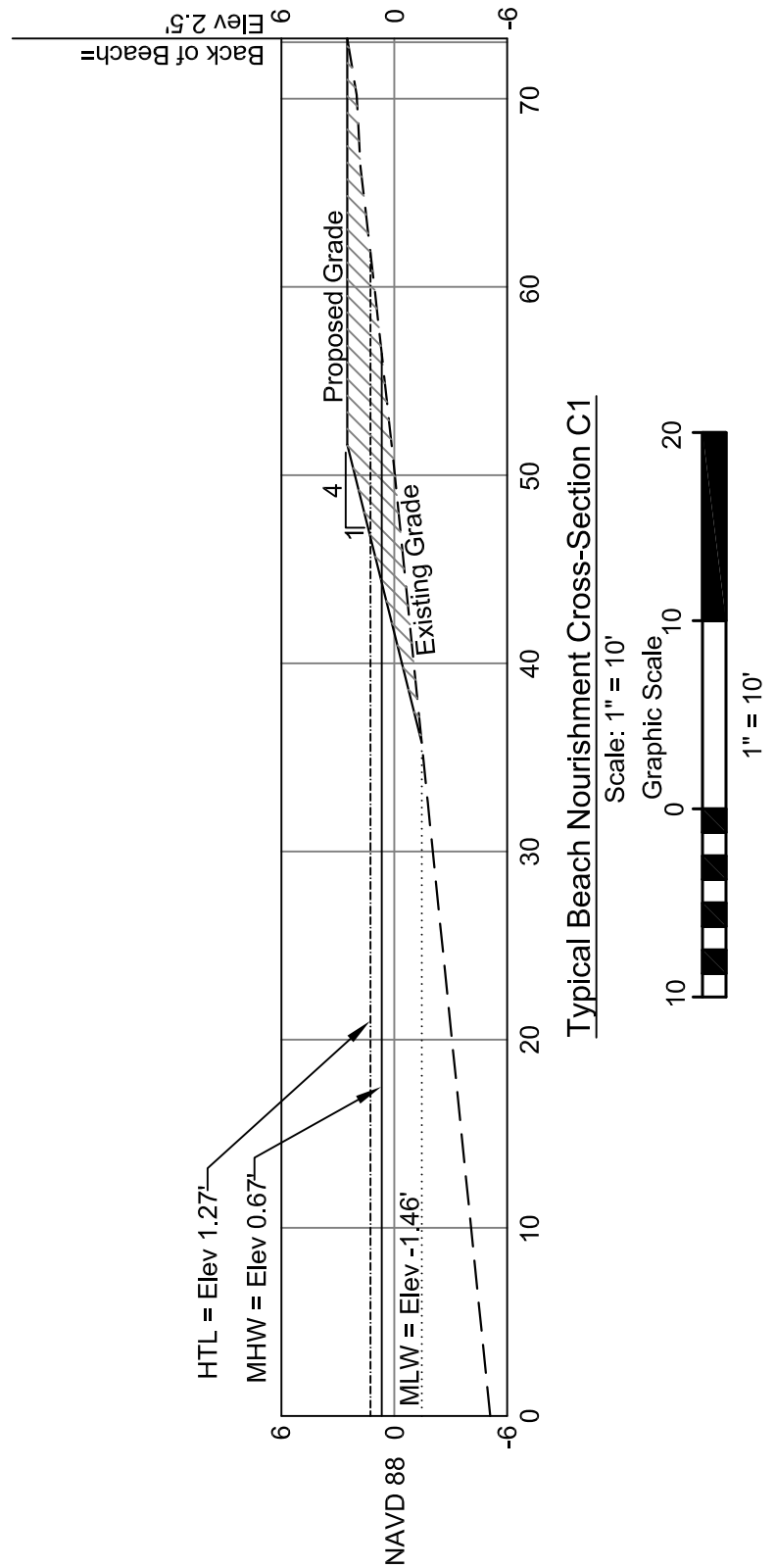
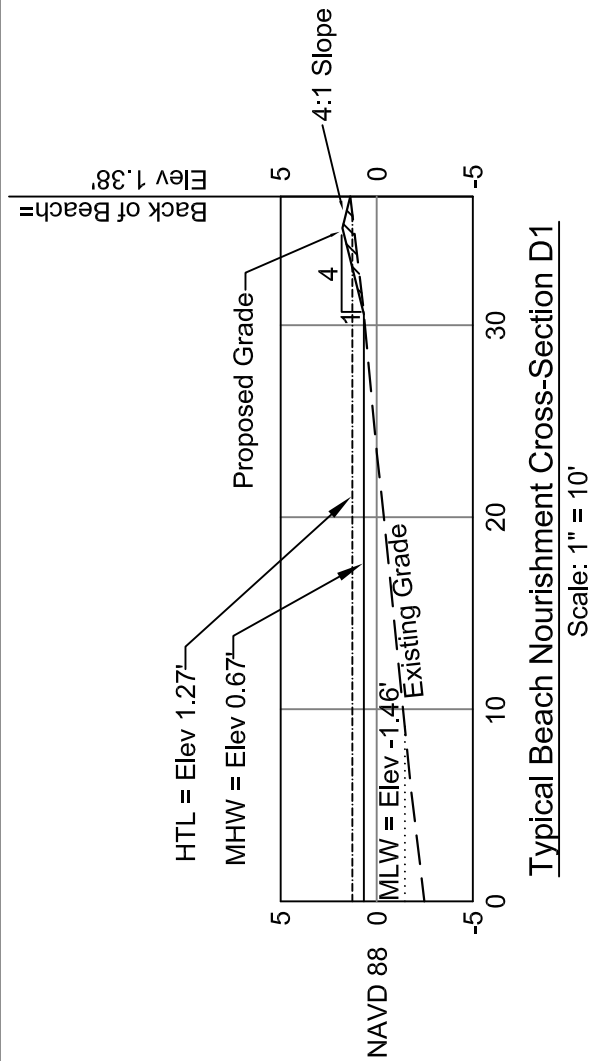
PLAN BY:



DATE: July, 2012

SHEET: 9 OF 11

2010-142_Site F ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

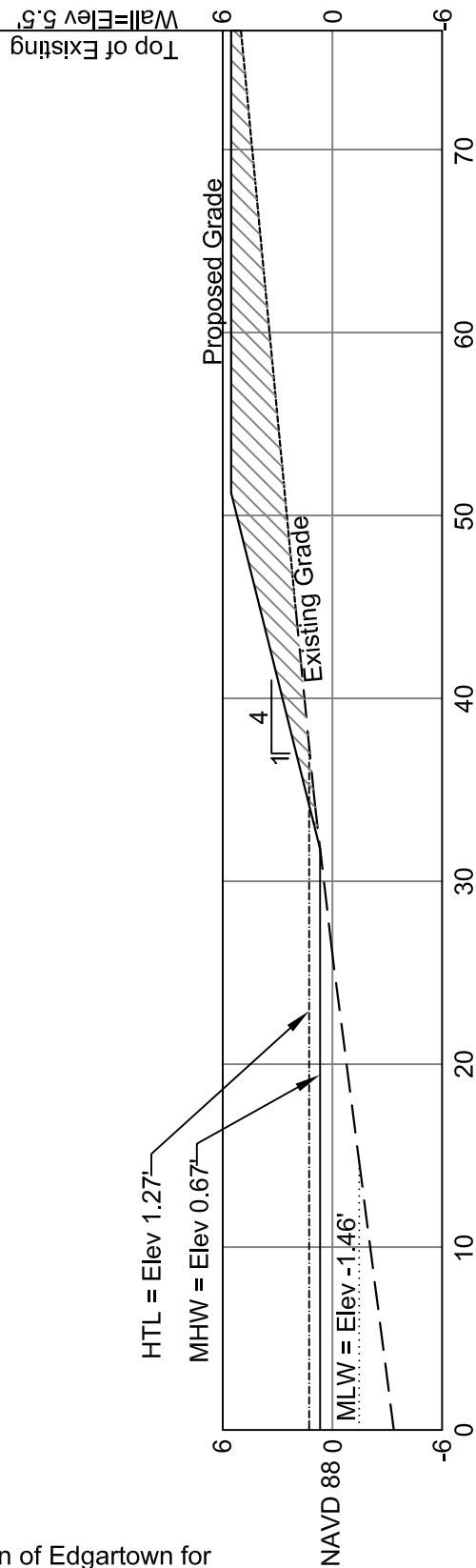
PLAN BY:



DATE: July, 2012

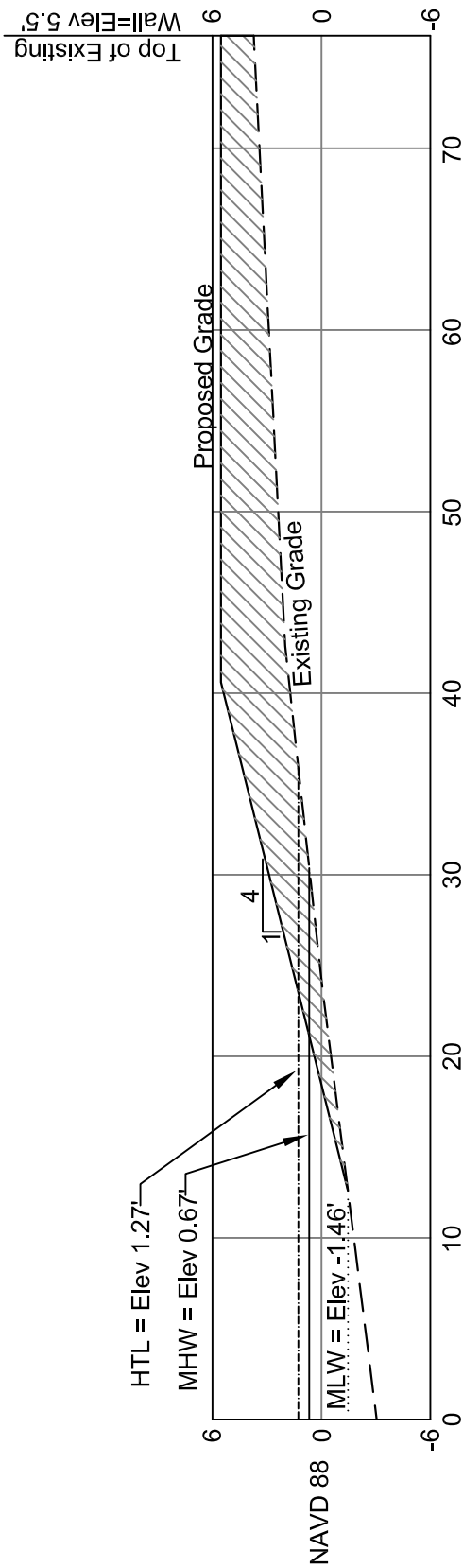
SHEET: 10 OF 11

2010-142_Site F ACOE.dwg



Beach Nourishment Cross-Section E2

Scale: 1" = 10'



Beach Nourishment Cross-Section E1

Scale: 1" = 10'

Graphic Scale



1" = 10'

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Calebs Pond

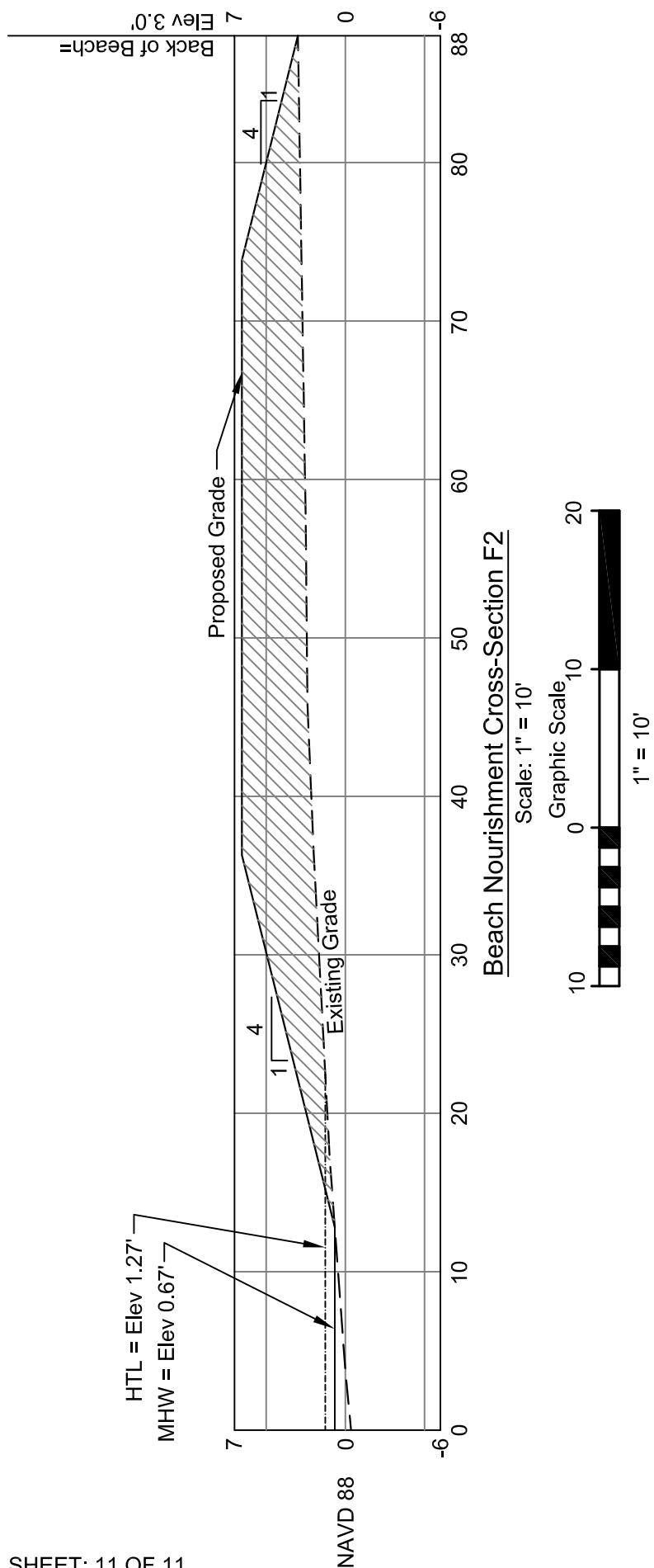
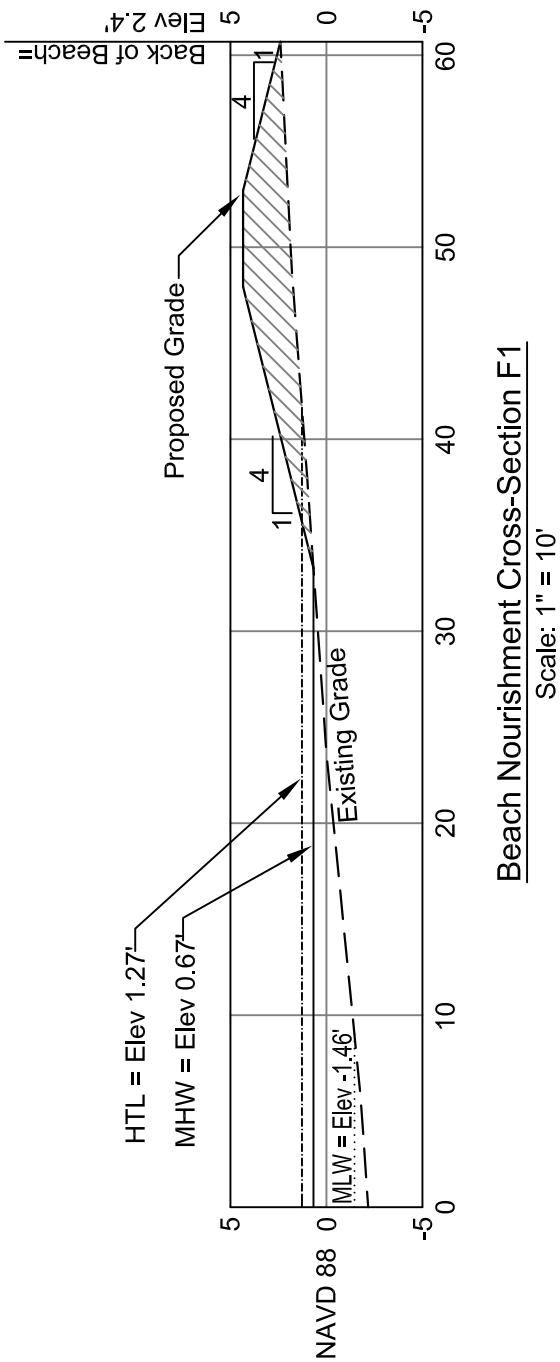
PLAN BY:

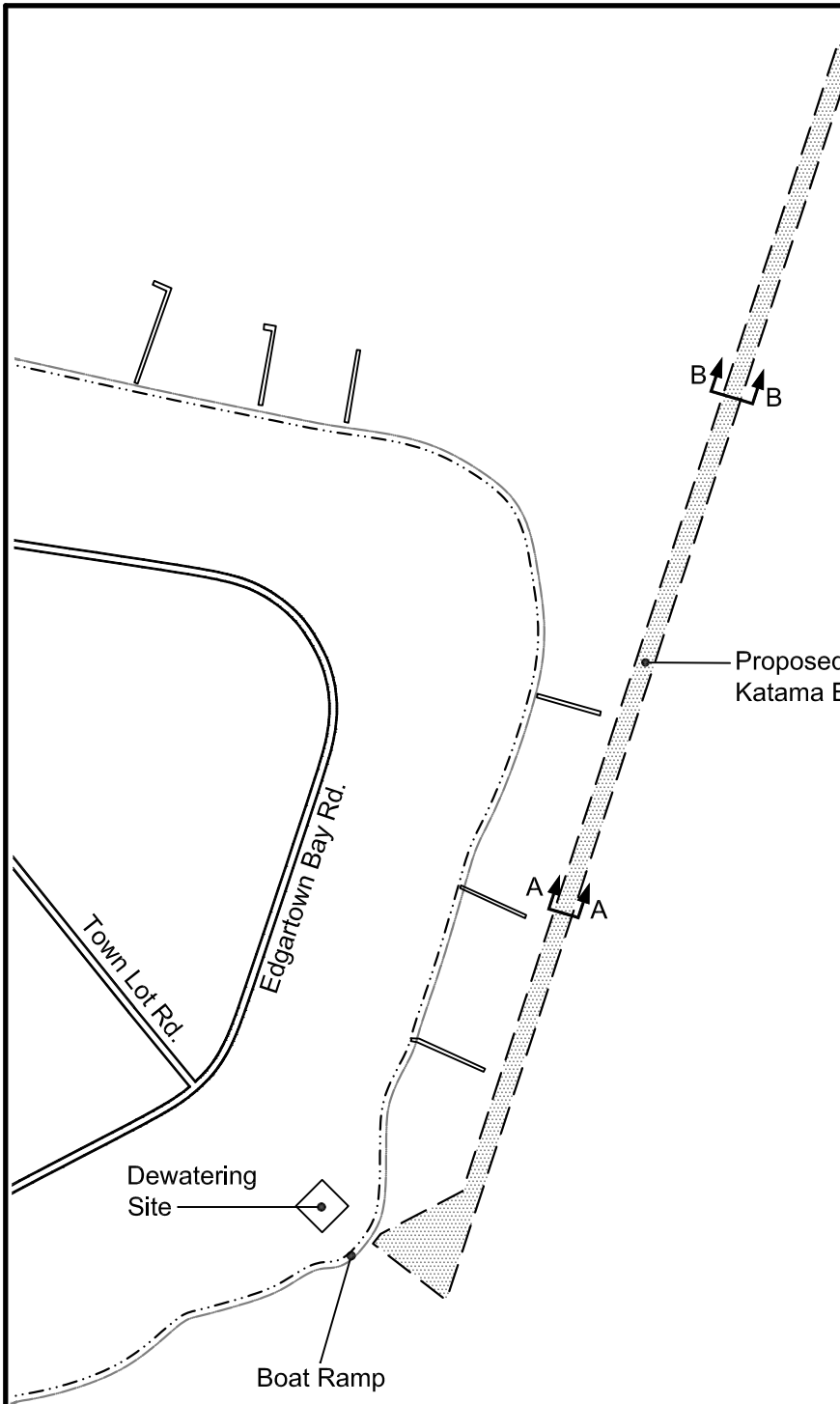
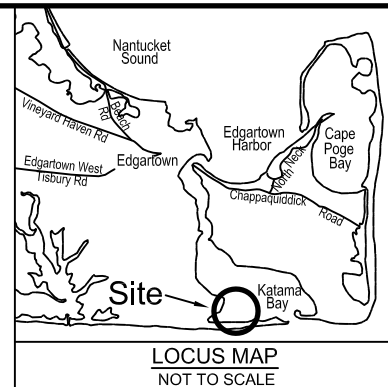


DATE: July, 2012

SHEET: 11 OF 11

2010-142_Site F ACOE.dwg





Proposed Dredge Area -
Katama Boat Ramp and Channel

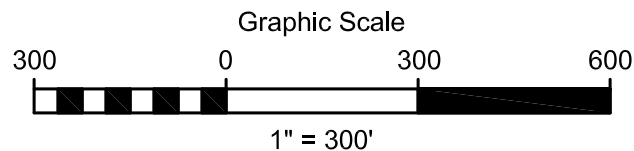
General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in November, 2009 and September, 2010 by Woods Hole Group.
3. Previously permitted under ACOE Permit No. NAE-2000-00373.

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging for
Katama Bay Boat Ramp and Channel,
Dukes County, Edgartown, MA

PLAN BY: **WOODS HOLE GROUP**

81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001



DATE: July, 2012

SHEET: 1 OF 3

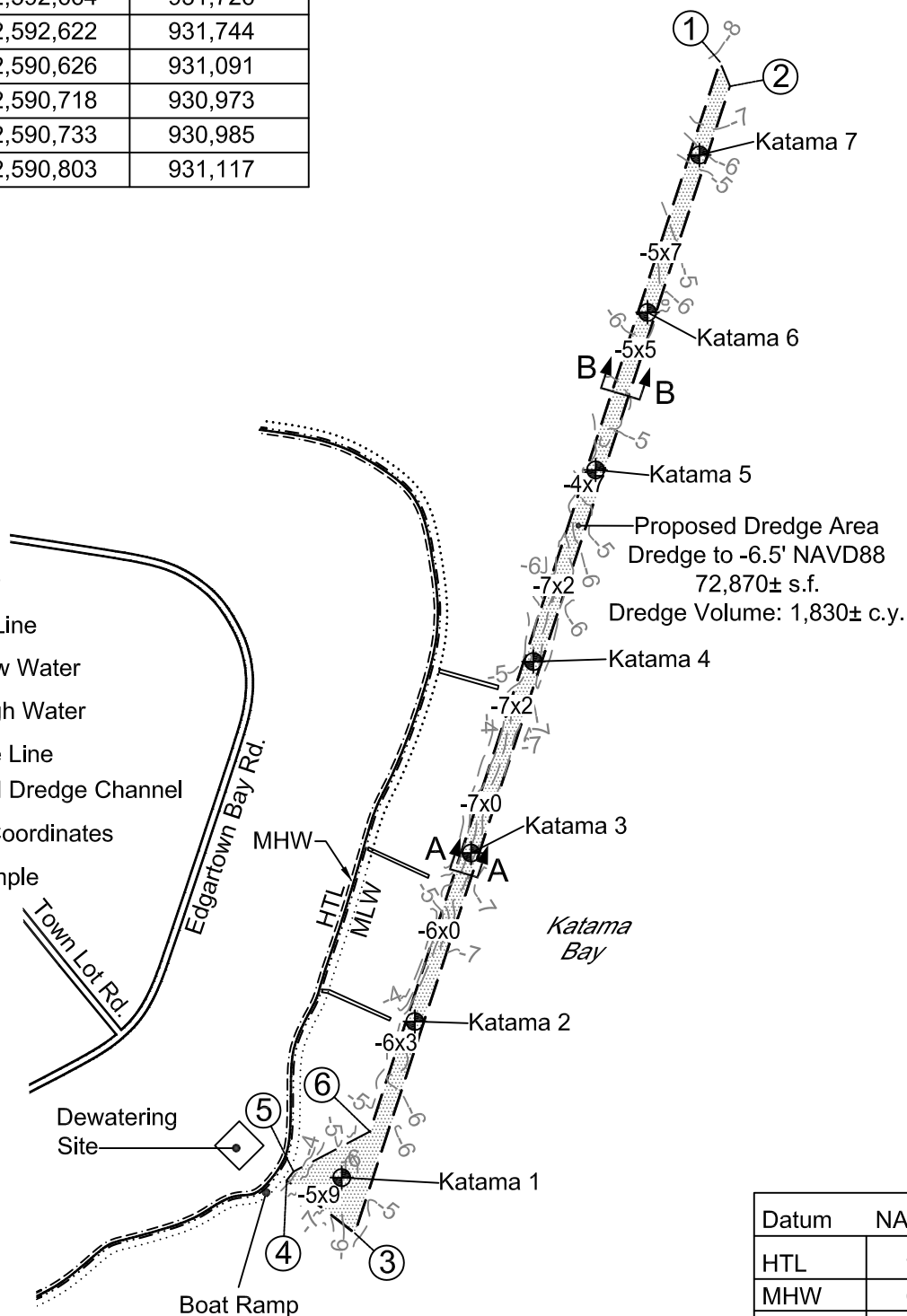
2010-142_Katama ACOE.dwg



Dredge Coordinates		
	Northing	Easting
1	2,592,664	931,726
2	2,592,622	931,744
3	2,590,626	931,091
4	2,590,718	930,973
5	2,590,733	930,985
6	2,590,803	931,117

Legend:

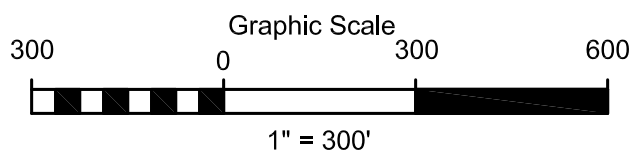
- Shoreline
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Core Sample



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Town of Edgartown for
Proposed Maintenance Dredging for
Katama Bay Boat Ramp and Channel

PLAN BY: **WOODS**
HOLEGROUP



DATE: July, 2012

SHEET: 2 OF 3

2010-142_Katama ACOE.dwg

Town of Edgartown for
Proposed Maintenance Dredging for
Katama Bay Boat Ramp and Channel

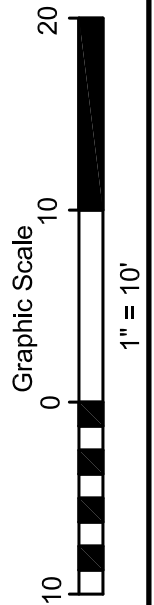
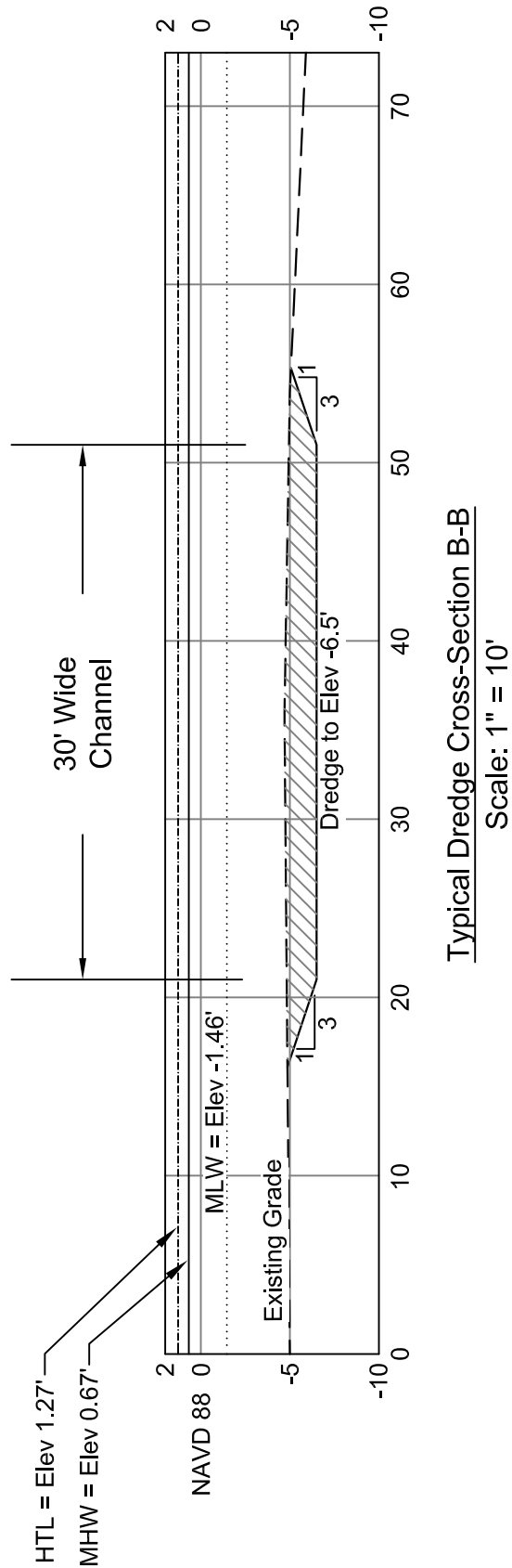
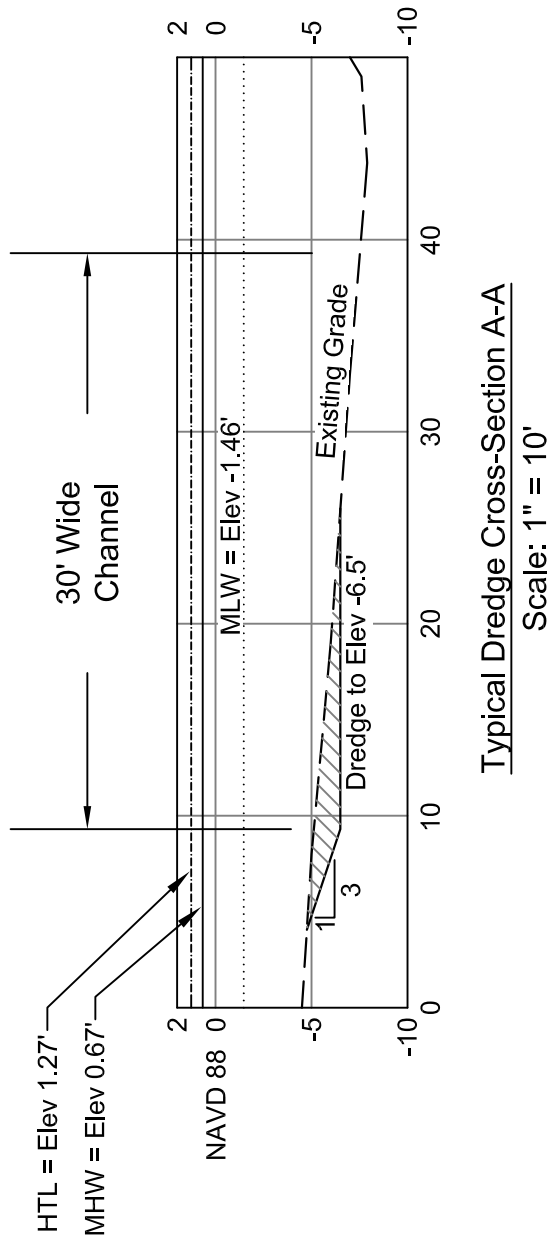
PLAN BY:

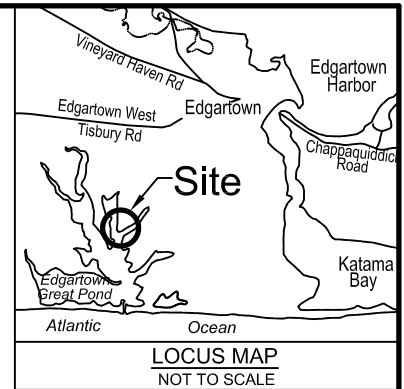
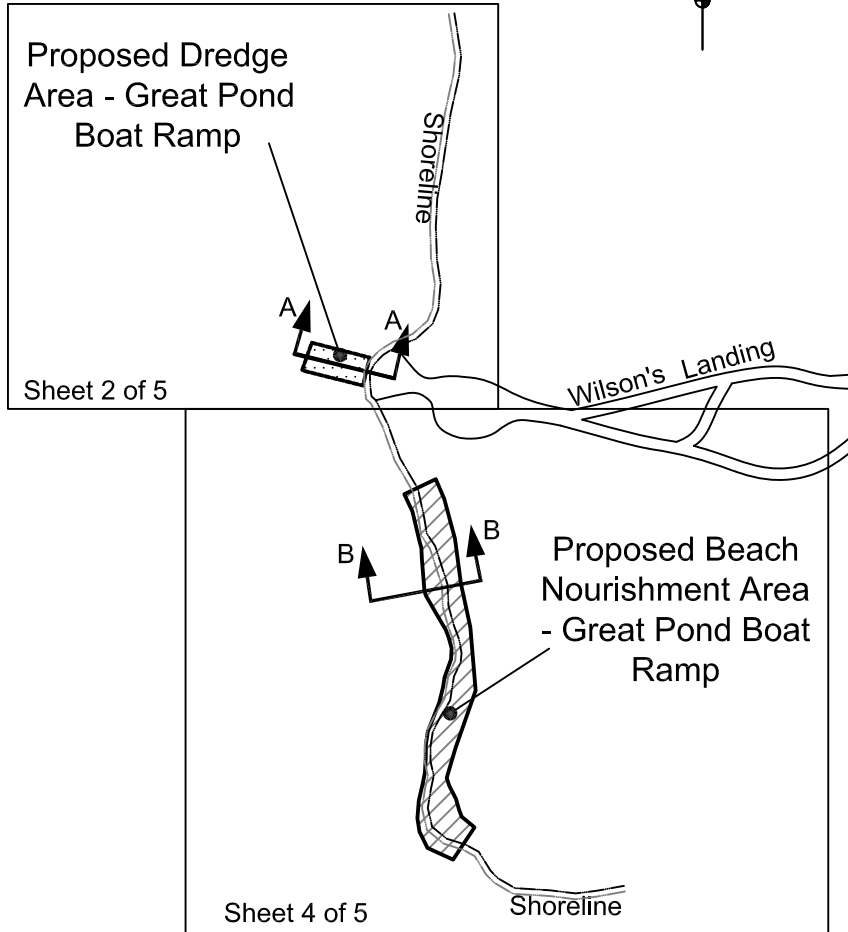


DATE: July, 2012

SHEET: 3 OF 3

2010-142_Katama ACOE.dwg





*Edgartown
Great Pond*

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Boat Ramp/Wilson's
Landing, Dukes County,
Edgartown, MA

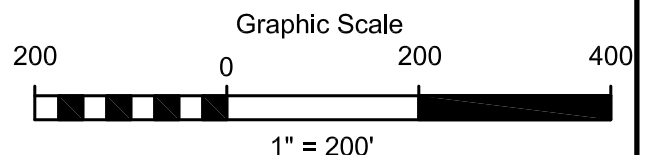
General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in September, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2005-4047

PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001



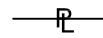

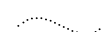






Date: July, 2012

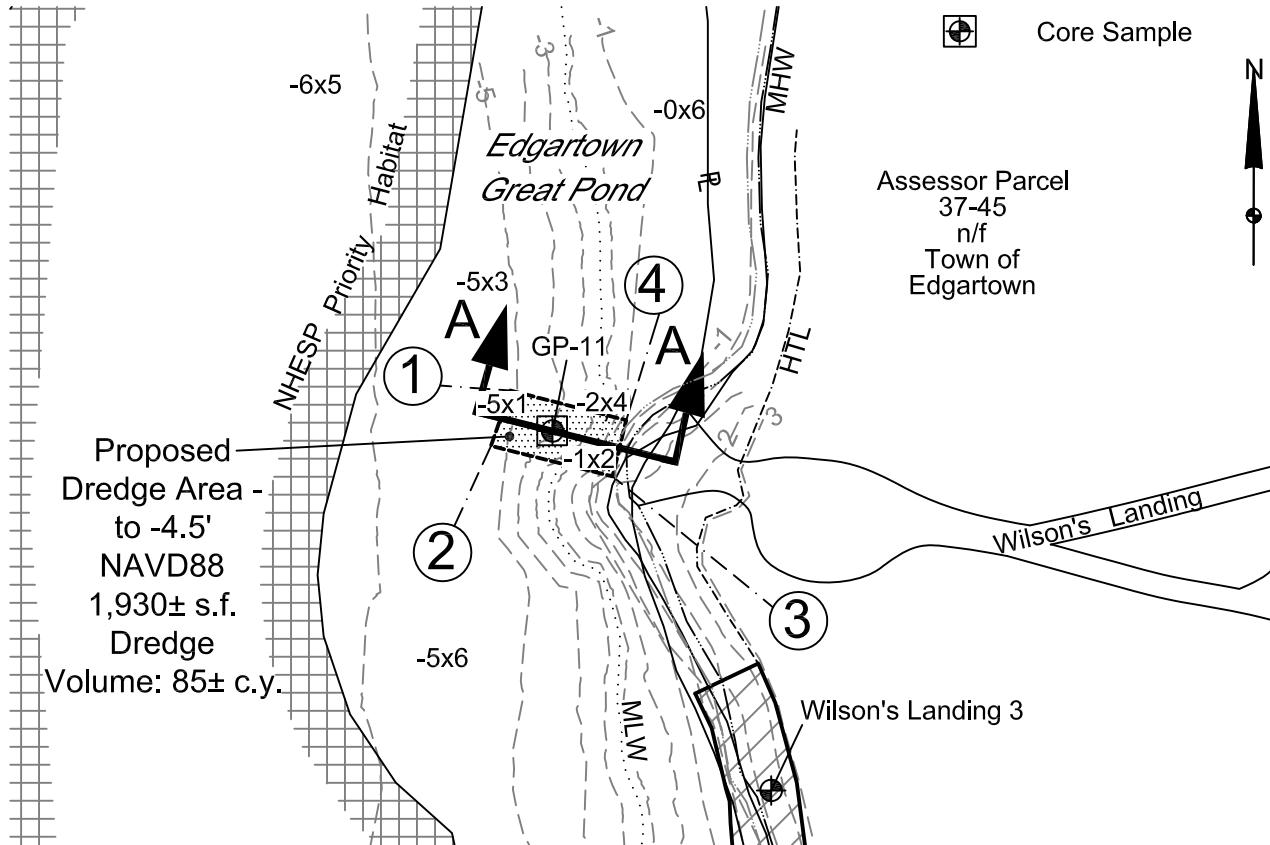
SHEET: 1 OF 5

Dredge Coordinates

	Northing	Easting
1	2,595,804	916,661
2	2,595,775	916,651
3	2,595,760	916,714
4	2,595,789	916,721

Legend:

-  Property Line
-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Dredge Channel
-  Dredge Coordinates
-  Sediment Sample
-  Core Sample



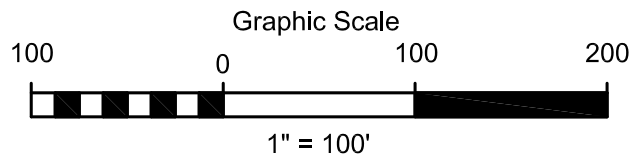
Proposed
Dredge Area -
to -4.5'
NAVD88
1,930± s.f.
Dredge
Volume: 85± c.y.

Assessor Parcel
37-45
n/f
Town of
Edgartown

Datum	NAVD88 ft
HTL	2.61
MHW	0.61
NAVD88	0
MLW	-2.39

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Boat Ramp/Wilson's
Landing

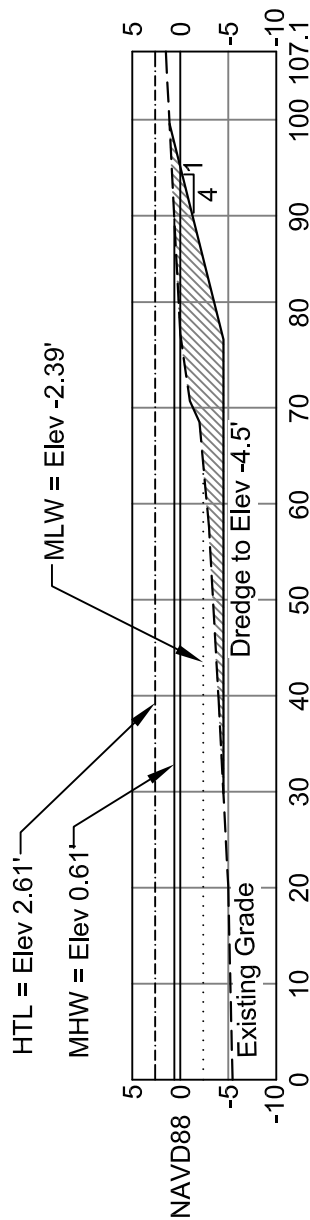
PLAN BY: **WOODS
HOLEGROUP**



Date: July, 2012

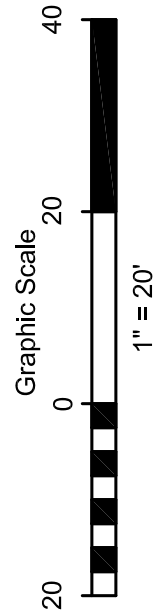
SHEET: 2 OF 5

2010-142_Site L ACOE.dwg



Typical Dredge Cross-Section A-A'

Scale: 1" = 20'



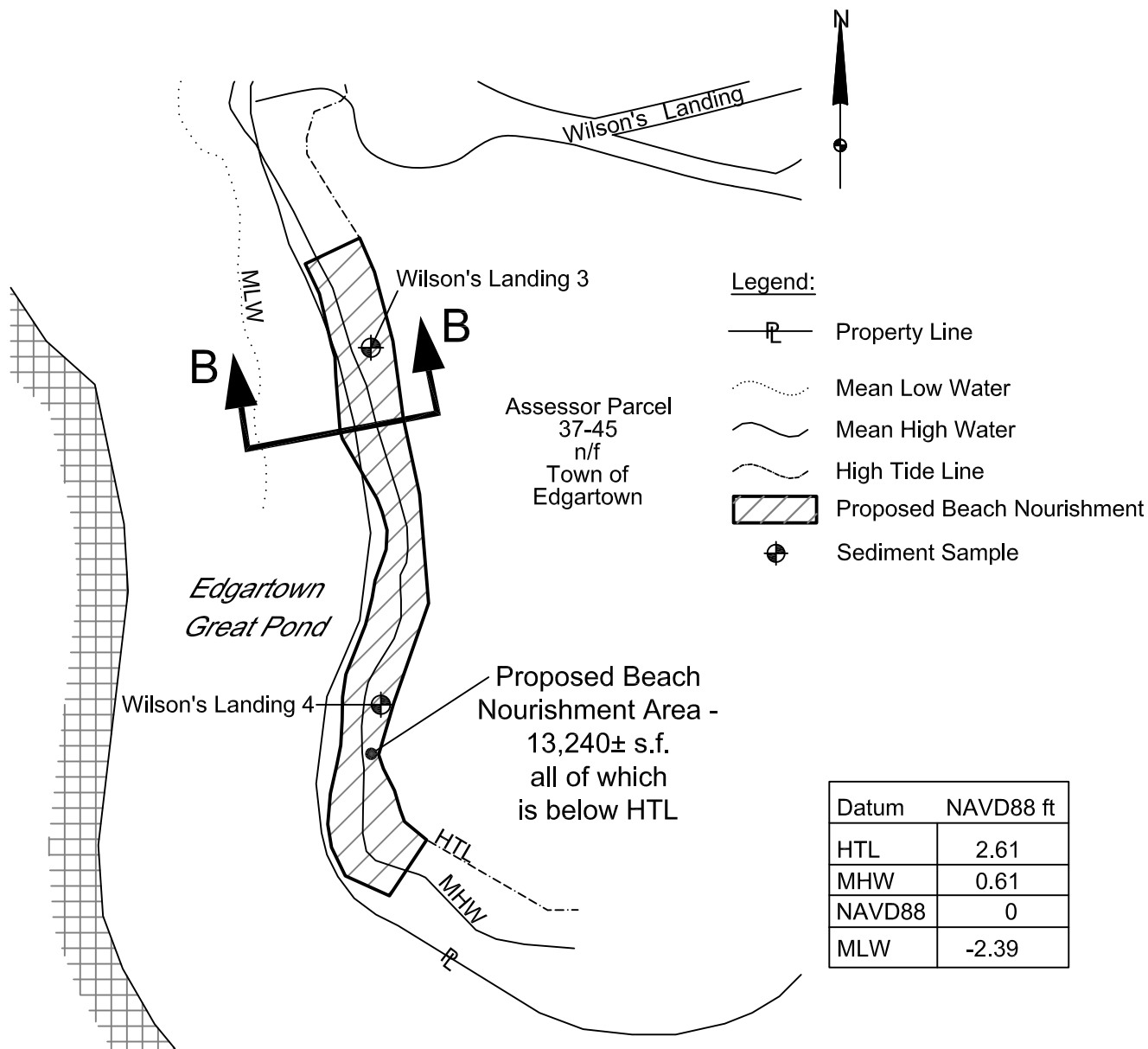
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Boat Ramp/Wilson's
Landing

PLAN BY: **WOODS
HOLEGROUP**

Date: July, 2012

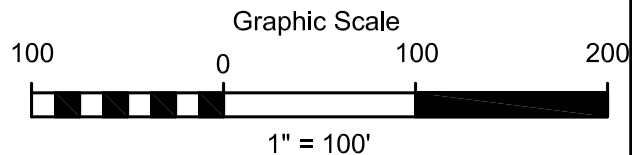
SHEET: 3 OF 5

2010-142_Site L ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Boat Ramp/Wilson's
Landing

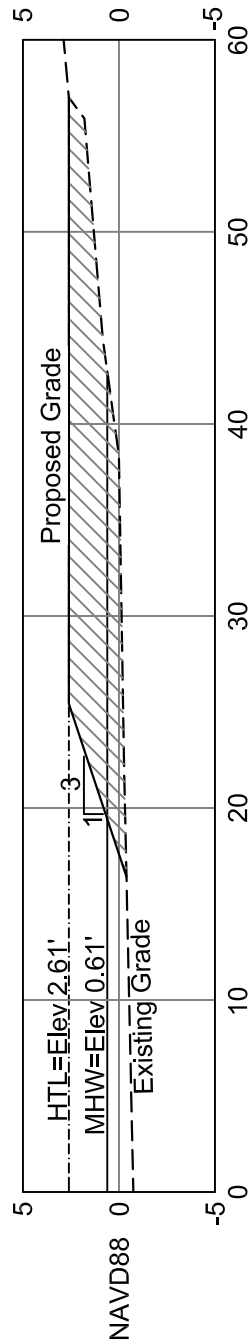
PLAN BY: **WOODS
HOLEGROUP**



Date: July, 2012

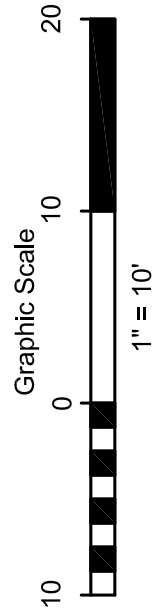
SHEET: 4 OF 5

2010-142_Site L ACOE.dwg



Typical Beach Nourishment Cross-Section B-B'

Scale: 1" = 10'



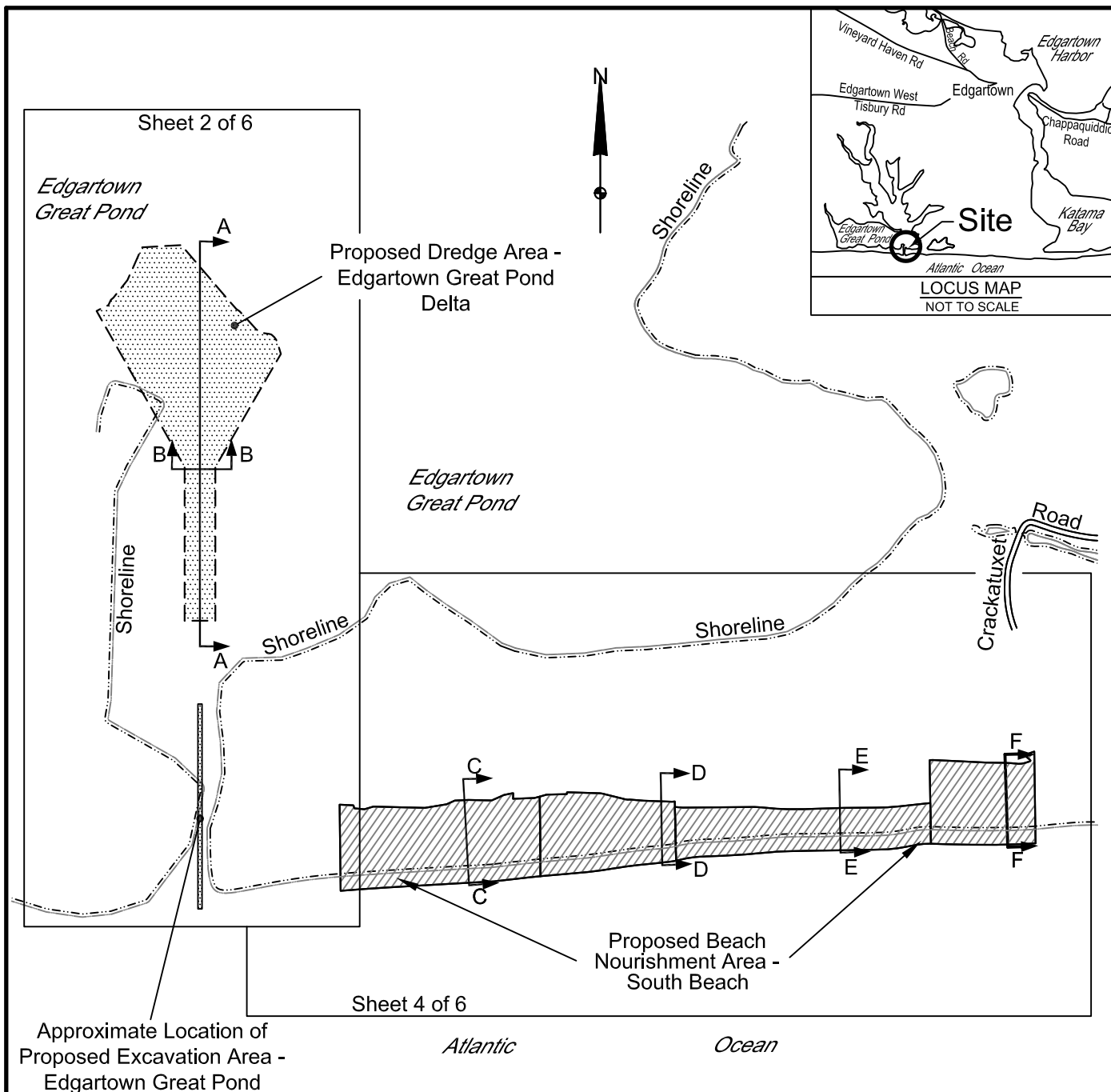
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Boat Ramp/Wilson's
Landing

PLAN BY: **WOODS**
HOLEGROUP

Date: July, 2012

SHEET: 5 OF 5

2010-142_Site L ACOE.dwg



General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in August, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. 200001739 & NAE-2005-4050

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Channel and Delta,
Dukes County, Edgartown, MA

PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

Graphic Scale



1" = 300'

DATE: July, 2012

SHEET: 1 OF 6

2010-142_Site D ACOE.dwg

Dredge Coordinates

	North	East
1	2,590,618	917,335
2	2,590,614	917,259
3	2,590,490	917,170
4	2,590,185	917,342
5	2,589,885	917,342
6	2,589,885	917,402
7	2,590,185	917,402
8	2,590,406	917,530

Proposed
Dredge Area
Entirely
Within
NHESP
Priority
Habitat

Legend:

- Property Line
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Sediment Sample
- Core Sample

Datum	NAVD88 ft
HTL	2.61
MHW	0.61
NAVD88	0
MLW	-2.39

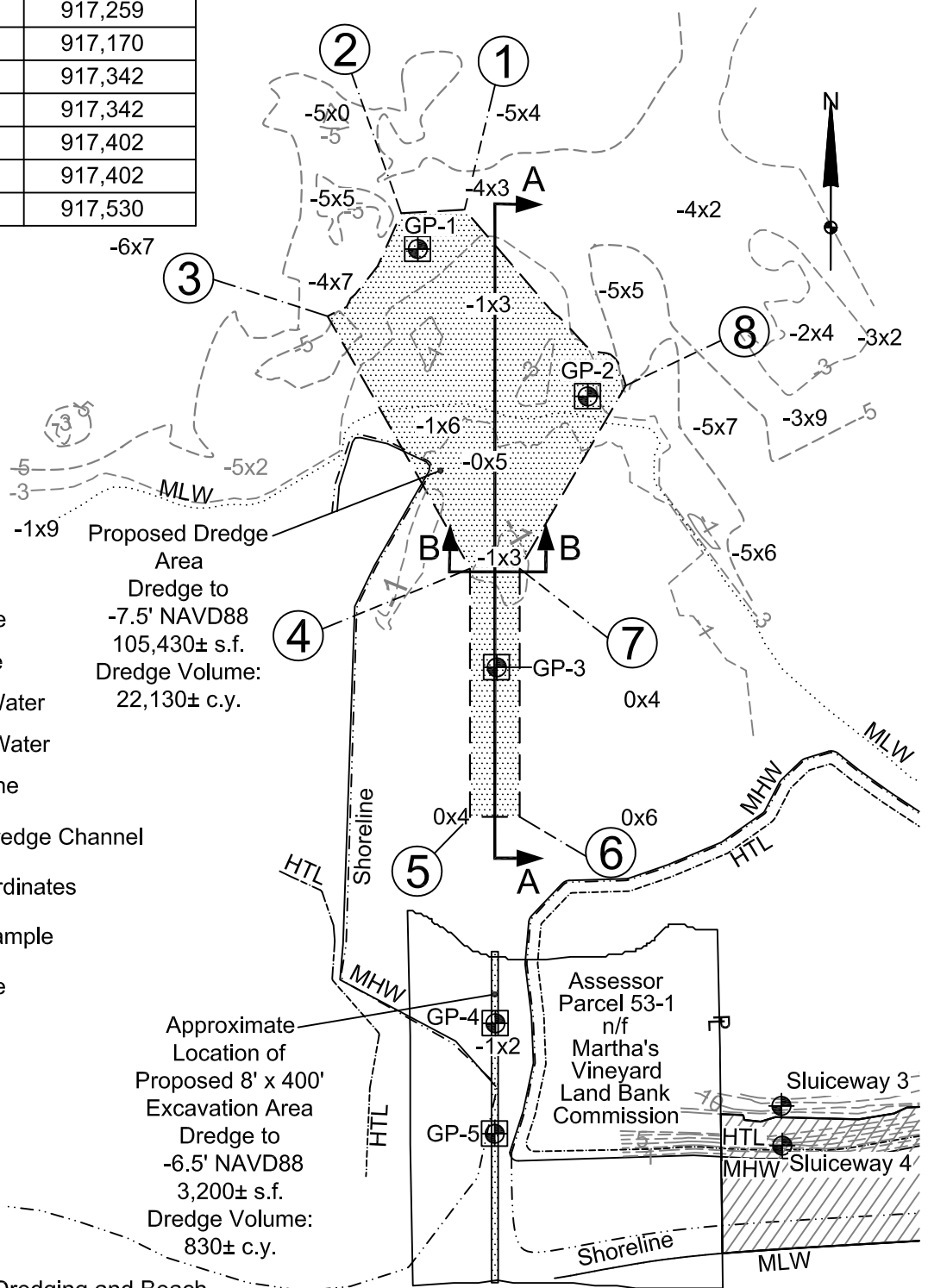
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Channel and Delta

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 2 OF 6

2010-142_Site D ACOE.dwg



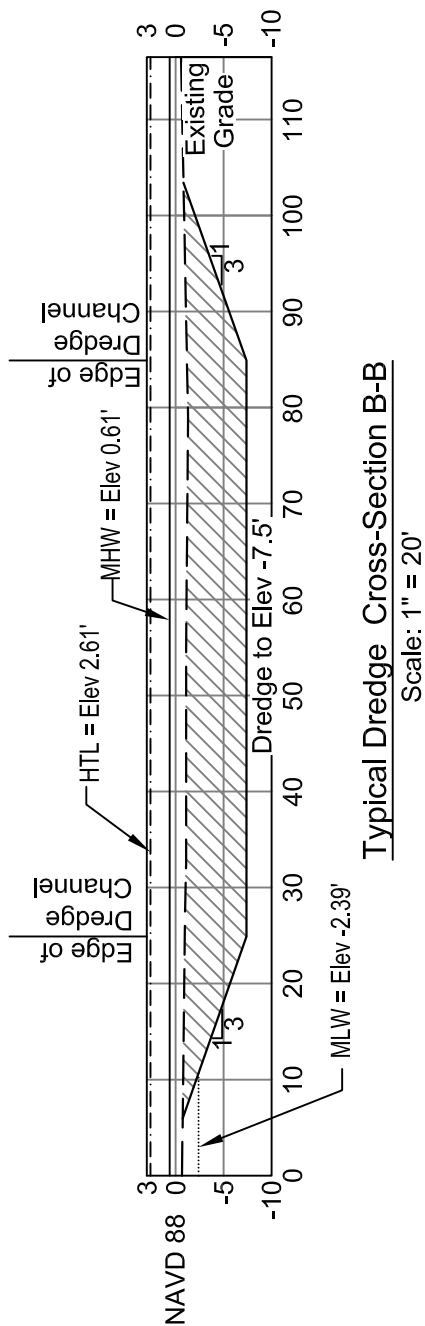
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Channel and Delta

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

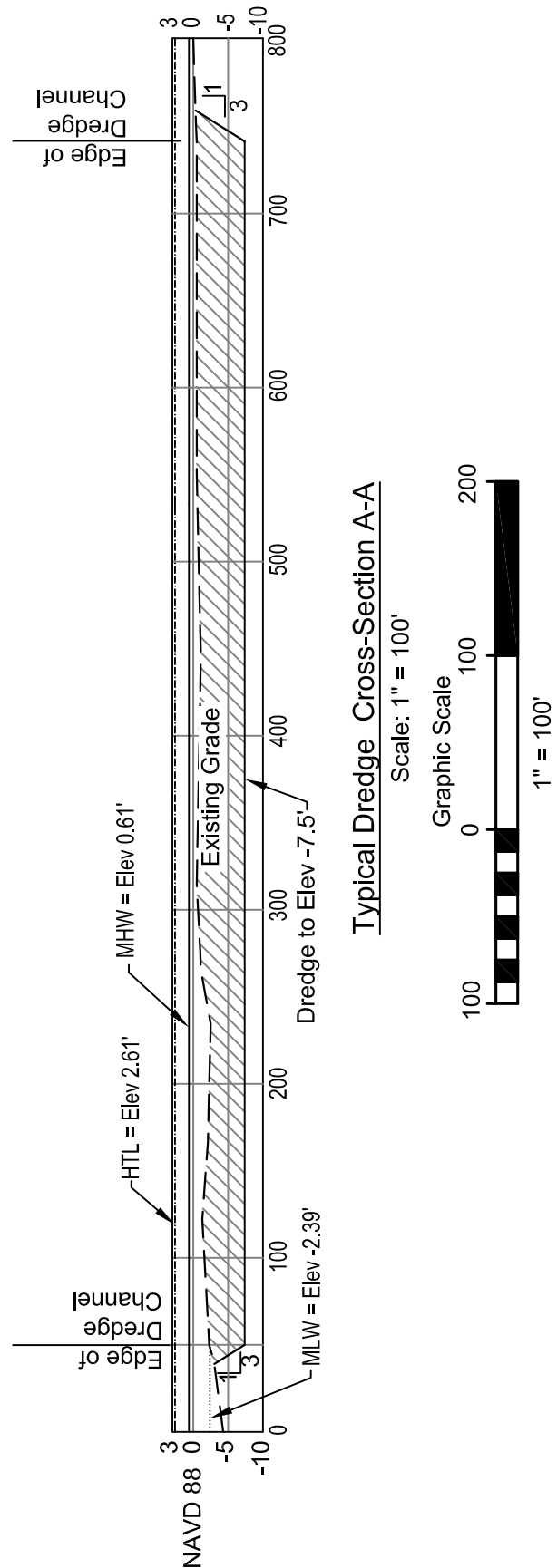
SHEET: 3 OF 6

2010-142_Site D ACOE.dwg



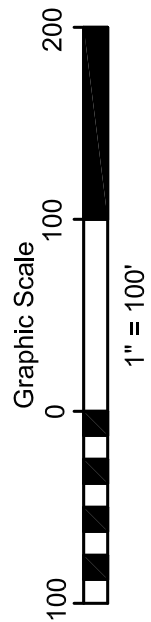
Typical Dredge Cross-Section B-B

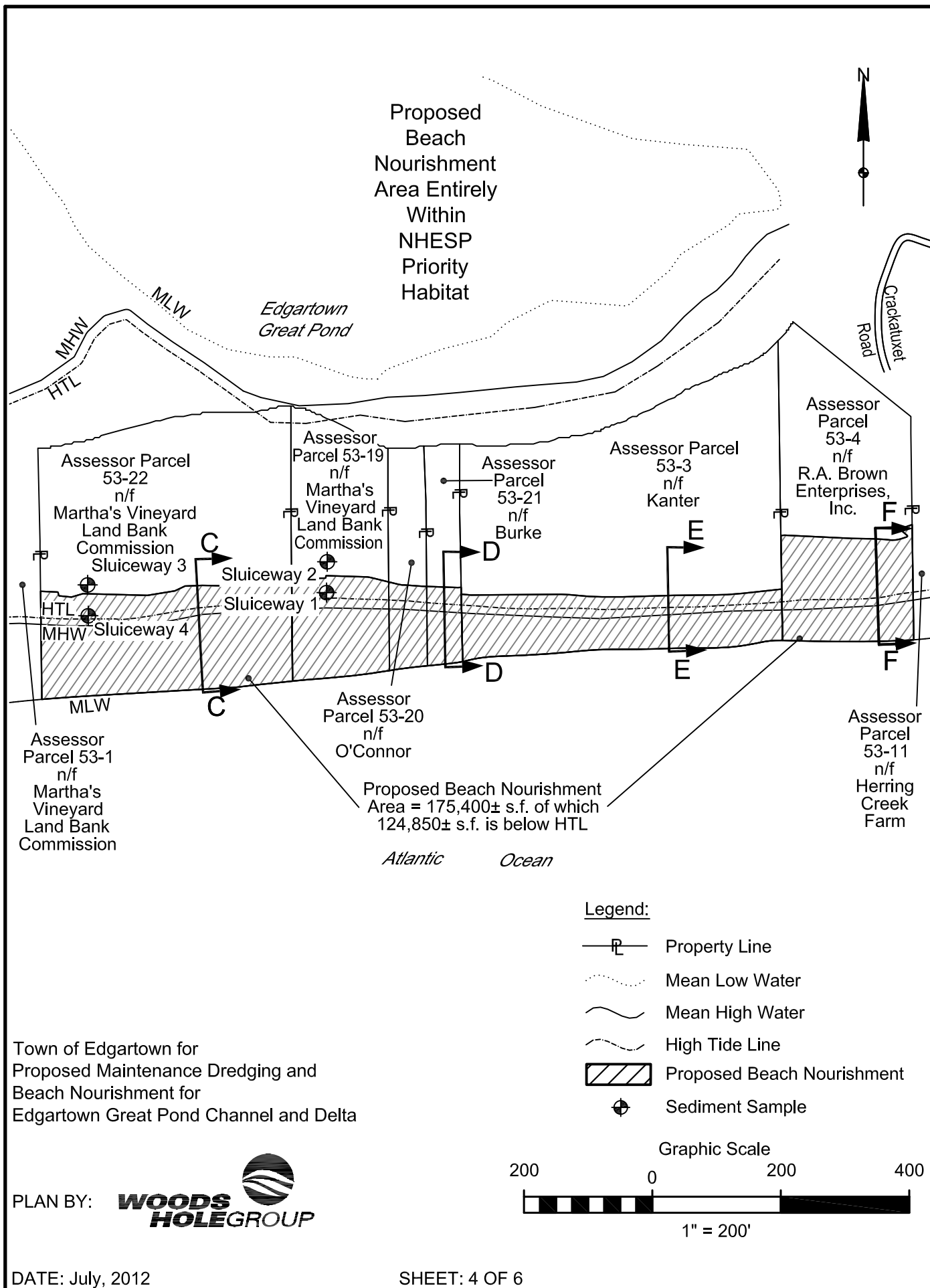
Scale: 1" = 20'



Typical Dredge Cross-Section A-A

Scale: 1" = 100'





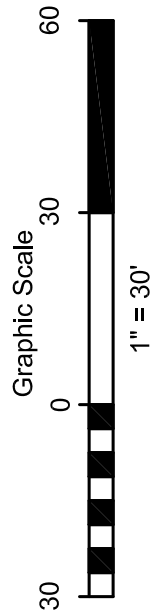
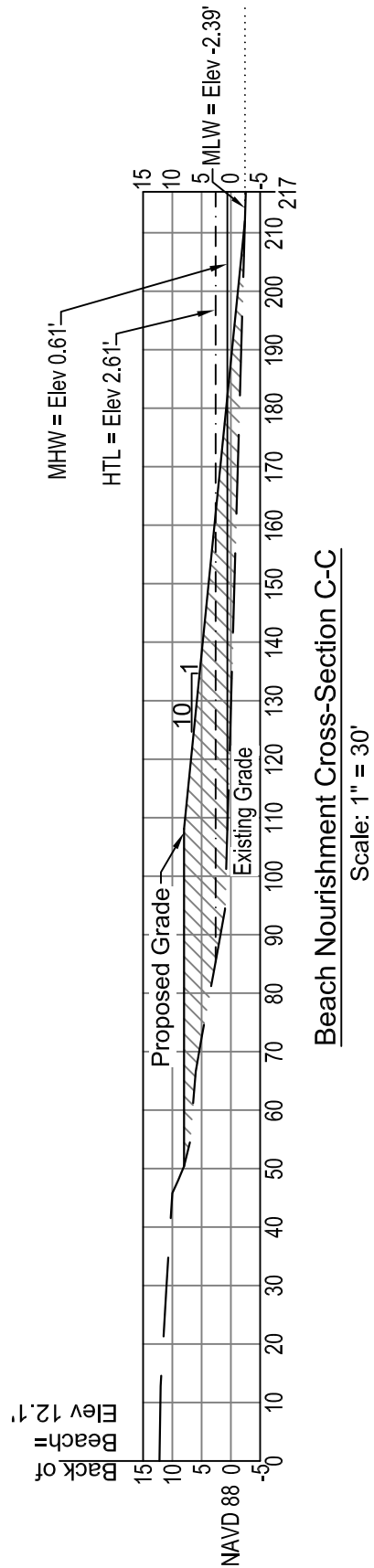
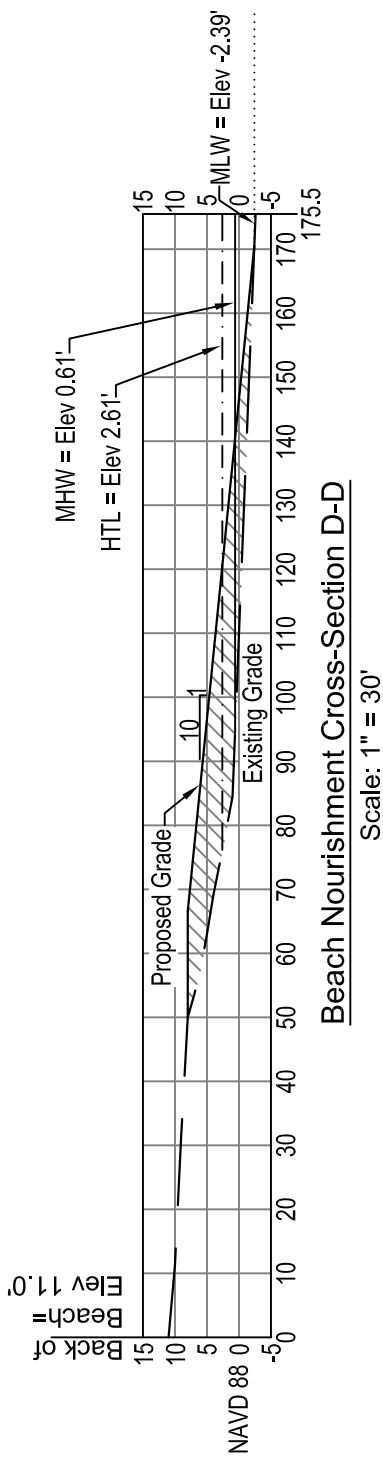
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Channel and Delta

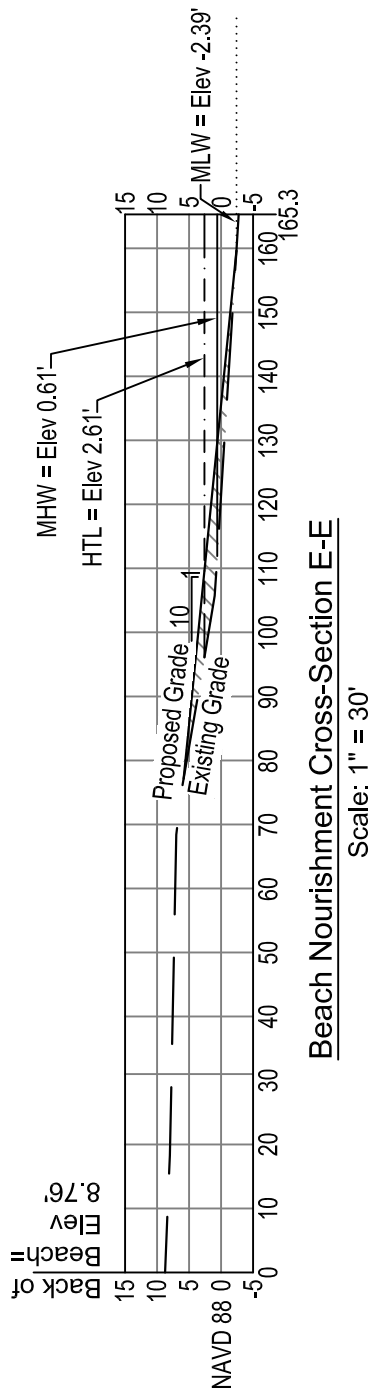
PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 5 OF 6

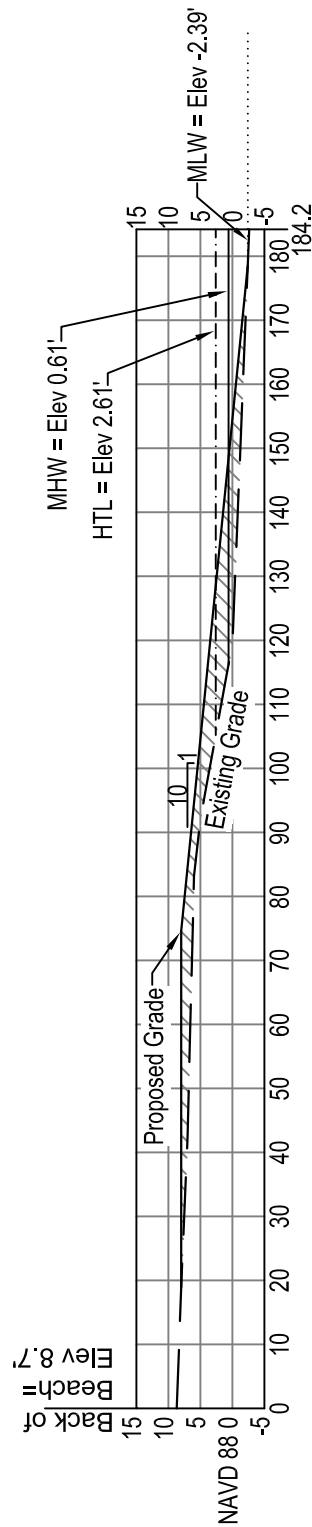
2010-142_Site D ACOE.dwg





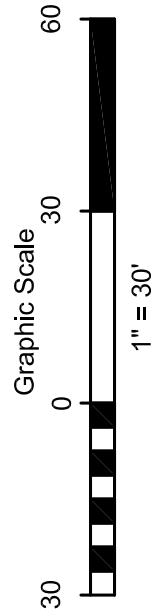
Beach Nourishment Cross-Section E-E

Scale: 1" = 30'



Beach Nourishment Cross-Section F-F

Scale: 1" = 30'



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Channel and Delta

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

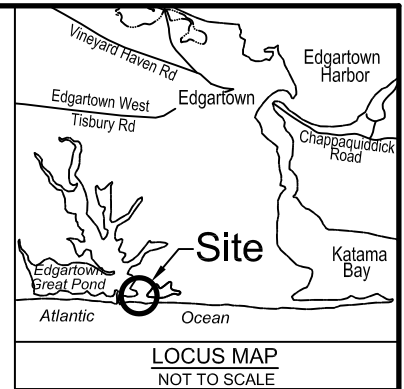
SHEET: 6 OF 6

2010-142_Site D ACOE.dwg



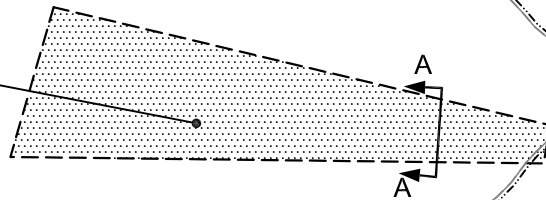
Edgartown
Great Pond

Shoreline



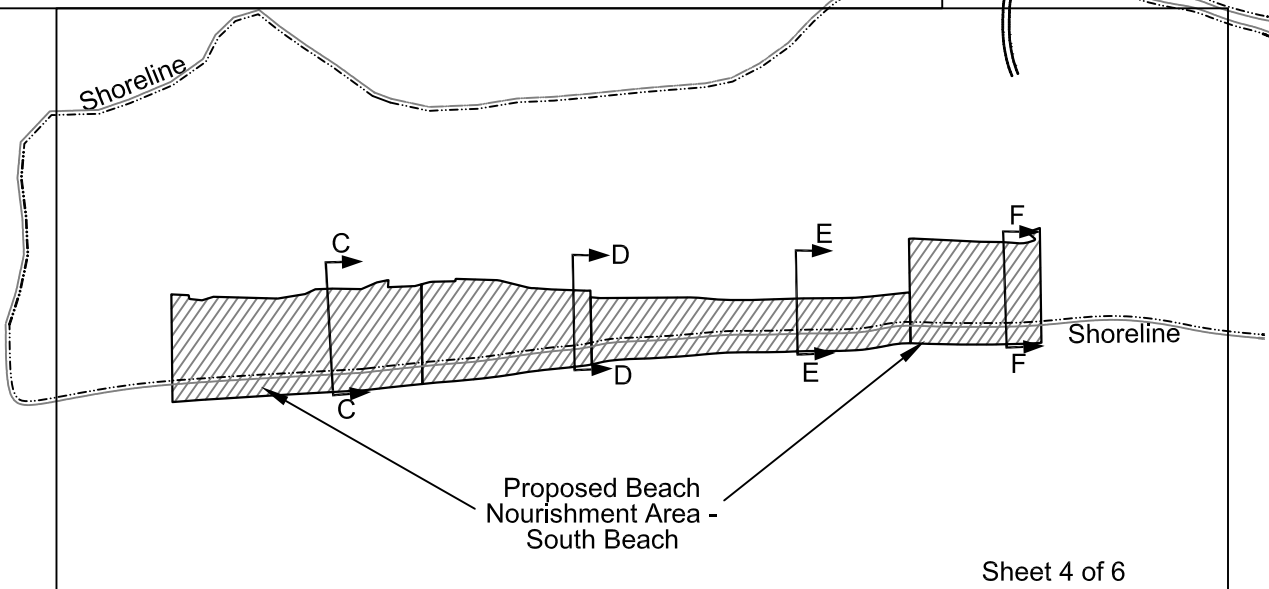
Sheet 2 of 6

Proposed Dredge
Area - Edgartown
Great Pond
Sluiceway Approach



Crackatuxet
Road

Shoreline



Proposed Beach
Nourishment Area -
South Beach

Sheet 4 of 6

Atlantic
Ocean

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and
Beach Nourishment for
Edgartown Great Pond Sluiceway Approach, Dukes
County,
Edgartown, MA

PLAN BY:

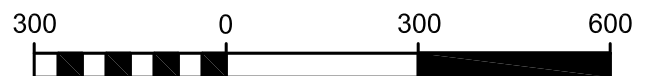


81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in September, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2005-4048

Graphic Scale



1" = 300'

DATE: July, 2012

SHEET: 1 OF 6

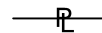
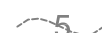
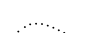




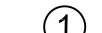
2010-142_Site E ACOE.dwg

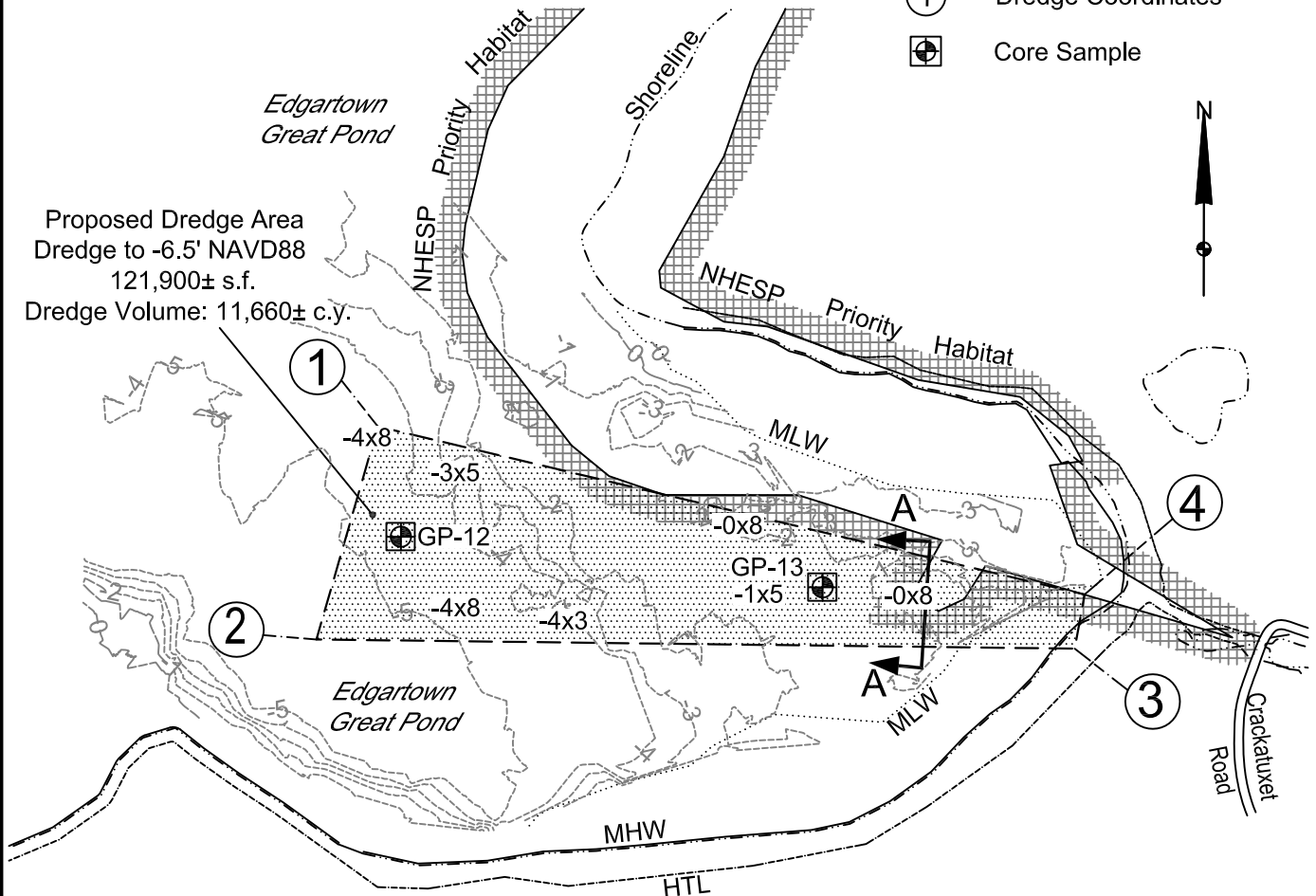
Dredge Coordinates

Northing Easting

1	2,590,295	918,003
2	2,590,061	917,936
3	2,590,051	918,769
4	2,590,111	918,780

Legend:

-  Property Line
-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Dredge Channel
-  Dredge Coordinates
-  Core Sample

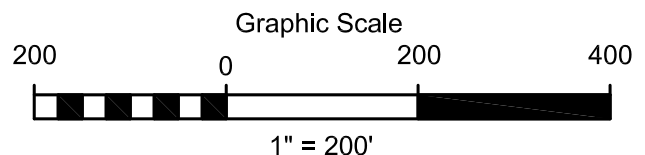


Proposed Dredge Area
Dredge to -6.5' NAVD88
121,900± s.f.
Dredge Volume: 11,660± c.y.

Datum	NAVD88 ft
HTL	2.61
MHW	0.61
NAVD88	0
MLW	-2.39

Town of Edgartown for
Proposed Maintenance Dredging and
Beach Nourishment for
Edgartown Great Pond Sluiceway Approach

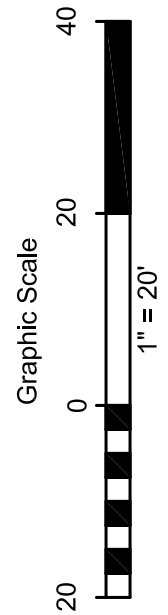
PLAN BY: **WOODS HOLE GROUP**



DATE: July, 2012

SHEET: 2 OF 6

2010-142_Site E ACOE.dwg

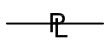
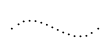

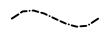




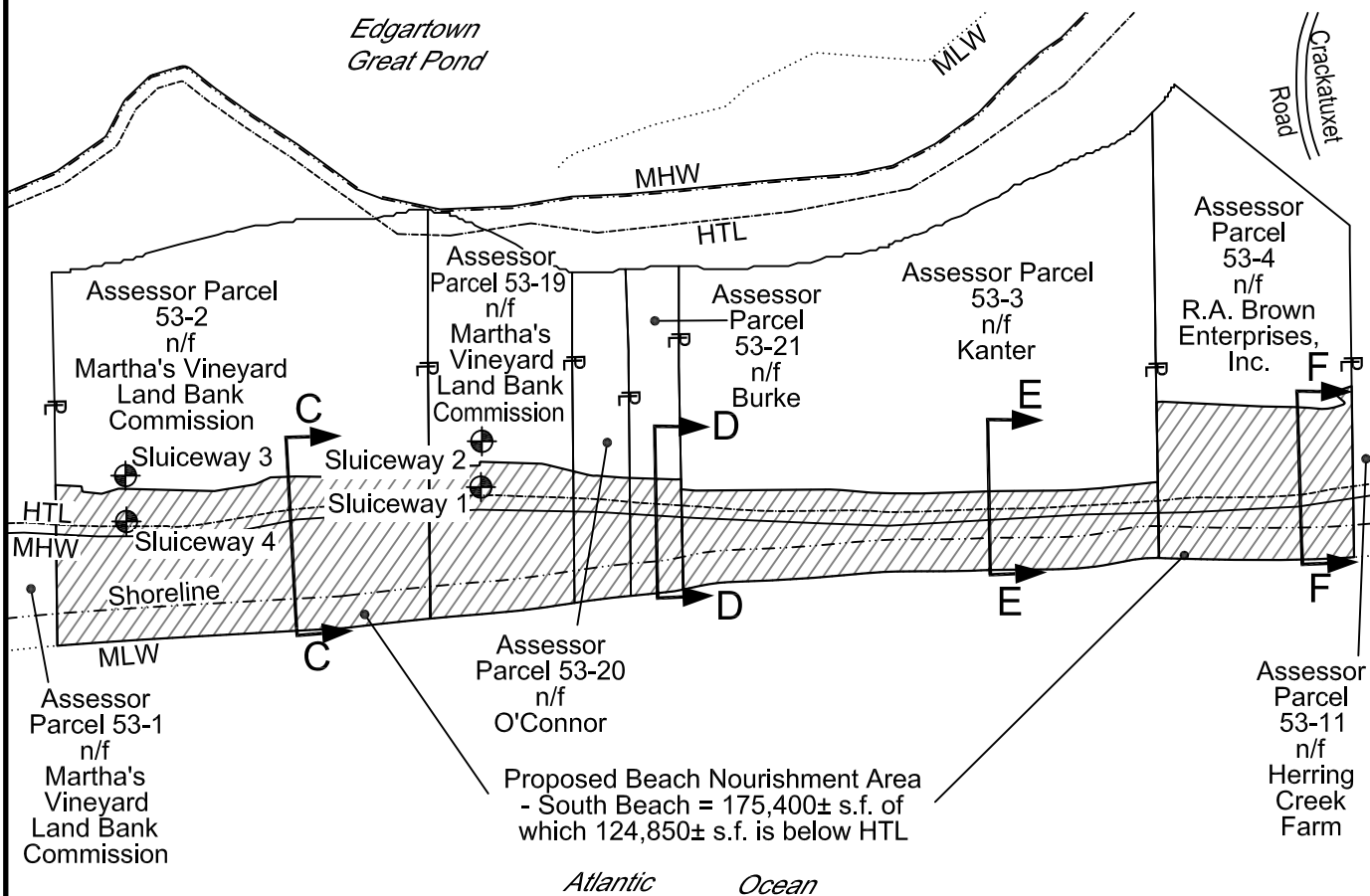
2010-142_Site E ACOE.dwg



Proposed
Beach
Nourishment
Area Entirely
Within
NHESP
Priority
Habitat

Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample

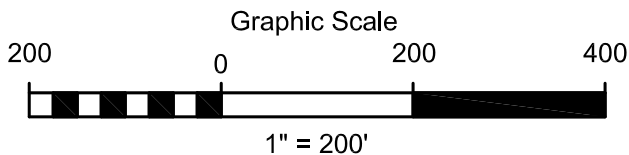


Town of Edgartown for
Proposed Maintenance Dredging and
Beach Nourishment for
Edgartown Great Pond Sluiceway Approach

PLAN BY:



Datum	NAVD88 ft
HTL	2.61
MHW	0.61
NAVD88	0
MLW	-2.39



DATE: July, 2012

SHEET: 4 OF 6

2010-142_Site E ACOE.dwg

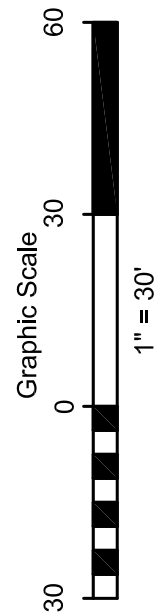
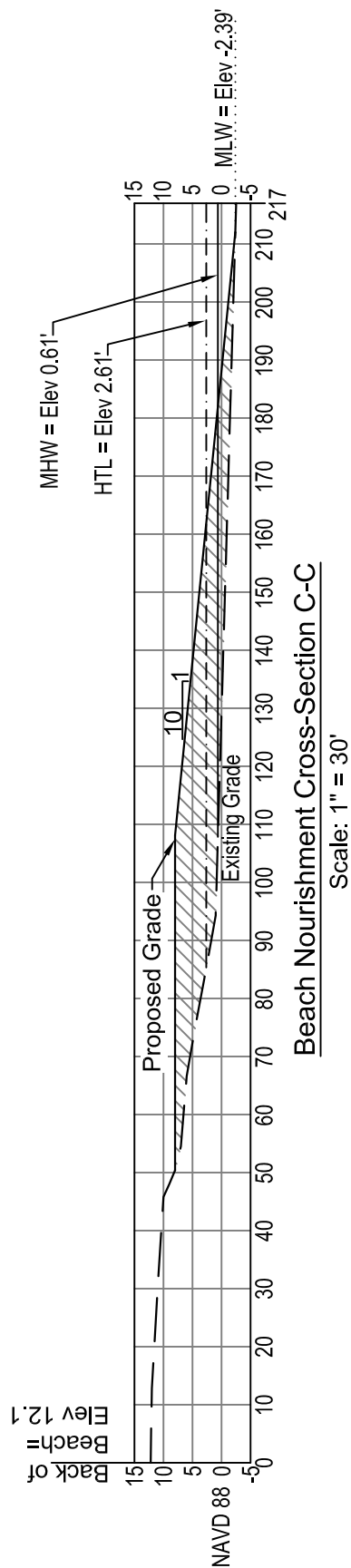
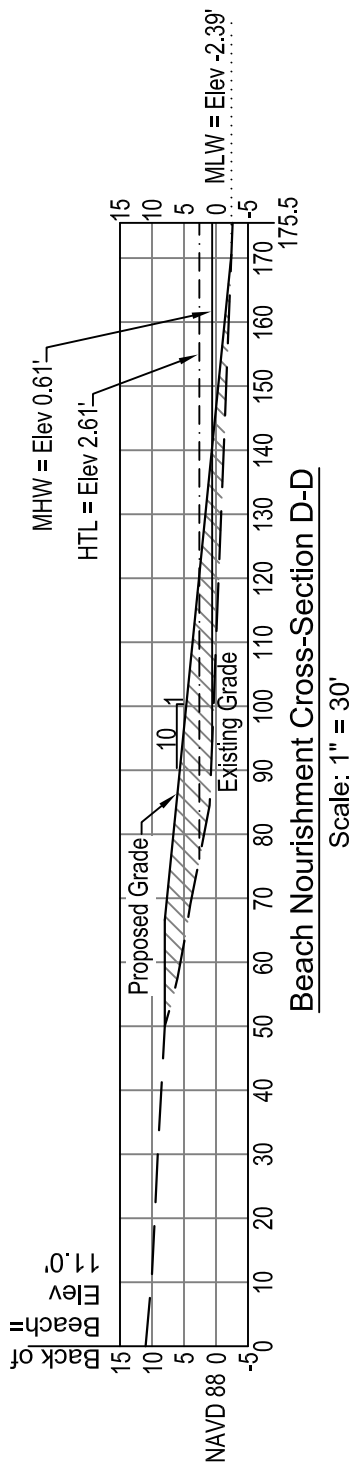
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Sluiceway Approach

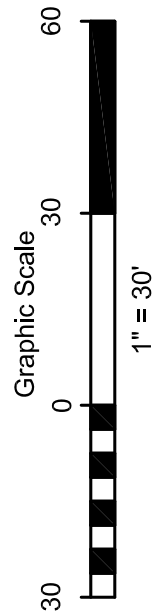
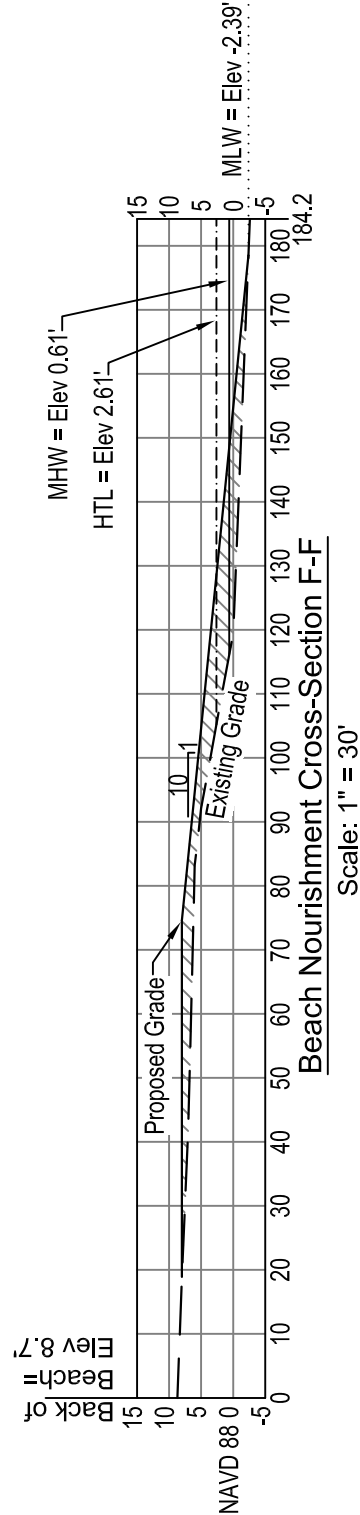
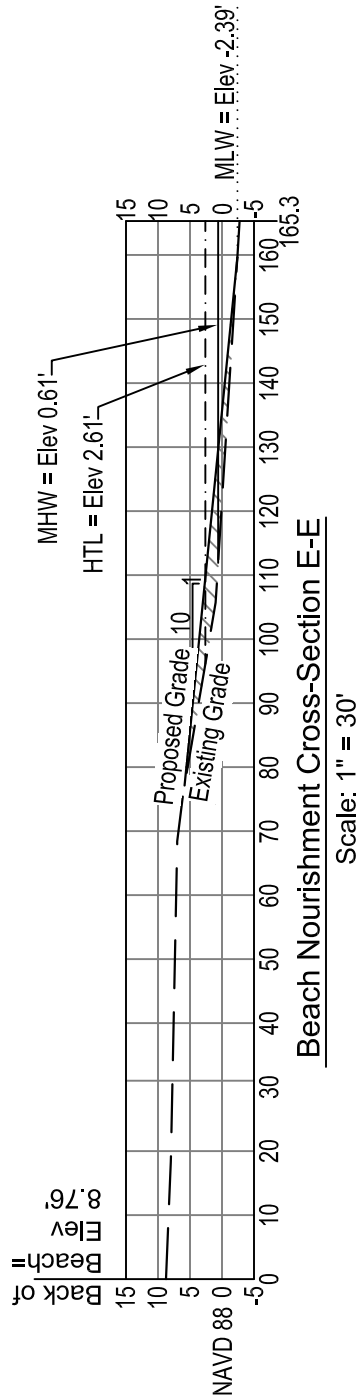
PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 5 OF 6

2010-142_Site E ACOE.dwg





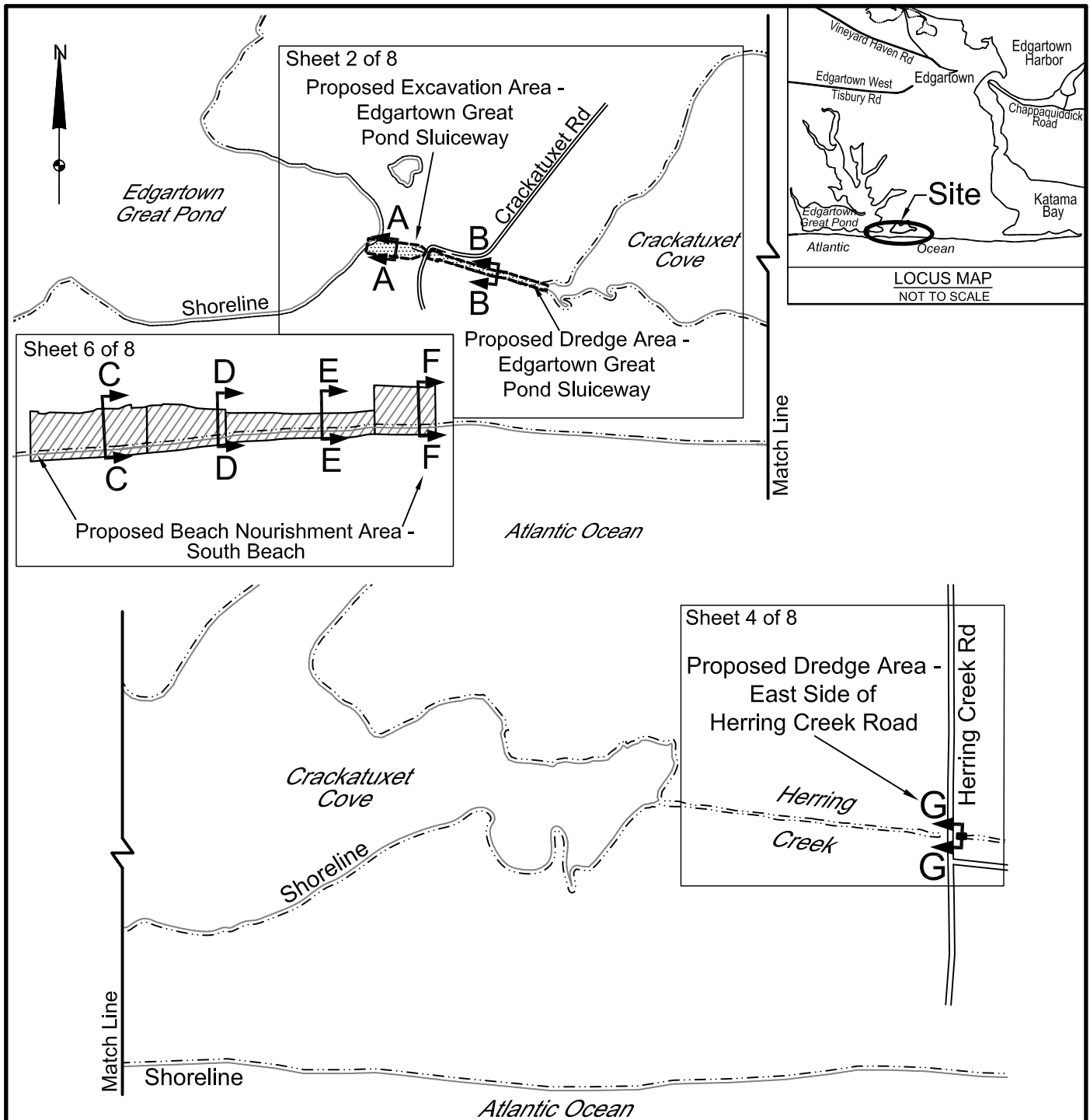
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Edgartown Great Pond Sluiceway Approach

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

SHEET: 6 OF 6

2010-142_Site E ACOE.dwg



PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Herring Creek Restoration,
Dukes County,
Edgartown, MA

PLAN BY:

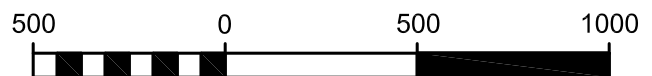


81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey was conducted in May, 2011 by Woods Hole Group.
3. Topographic survey was conducted in September, 2011 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2005-4049

Graphic Scale



1" = 500'

DATE: July, 2012

SHEET: 1 OF 8

2010-142_Site M ACOE.dwg









Dredge Coordinates

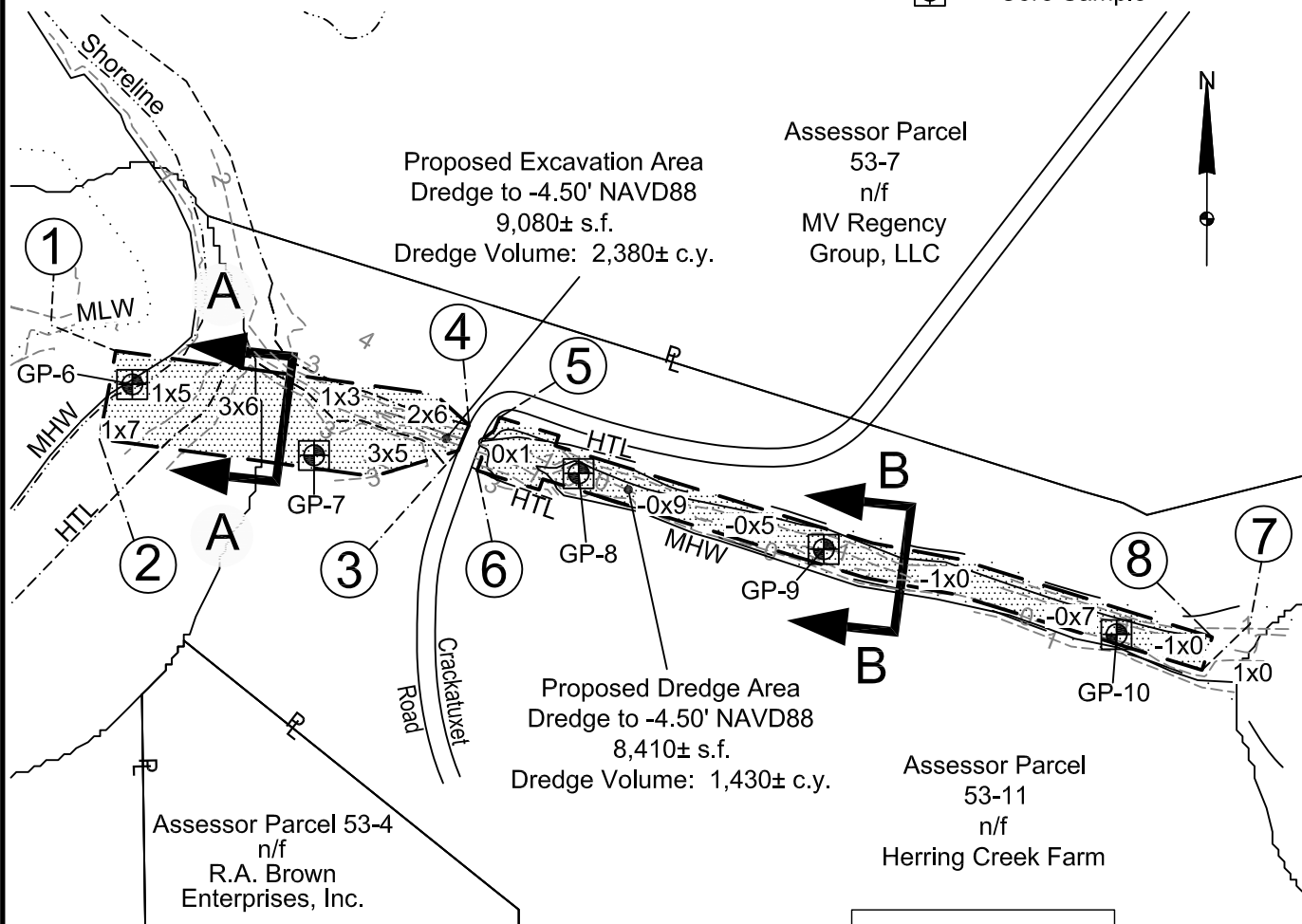
Northing Easting

1	2,590,105	918,779
2	2,590,056	918,770
3	2,590,050	918,966
4	2,590,064	918,972
5	2,590,068	918,989
6	2,590,039	918,976
7	2,589,930	919,375
8	2,589,948	919,380

Proposed
Dredge Areas
Entirely
Within
NHESP
Priority
Habitat

Legend:

-  Property Line
-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Dredge Channel
-  Dredge Coordinates
-  Core Sample

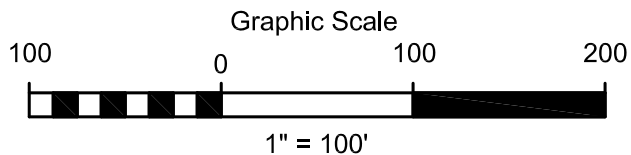


Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Herring Creek Restoration

PLAN BY:



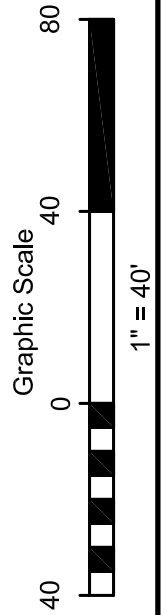
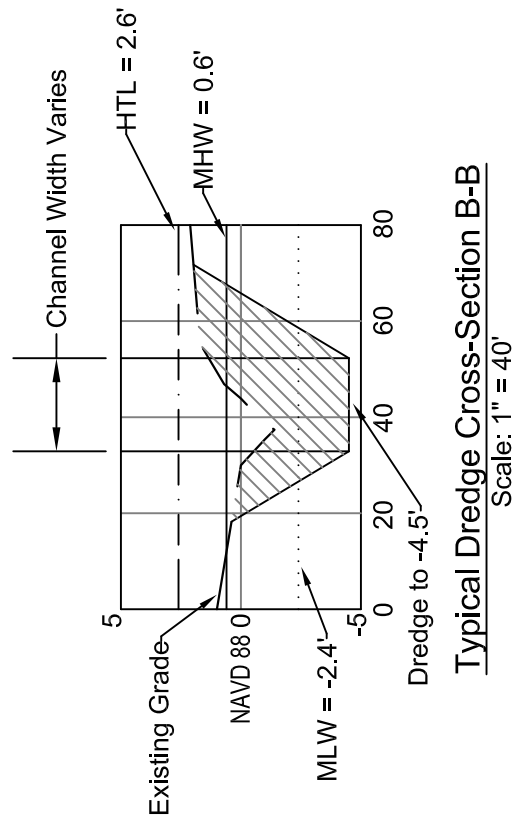
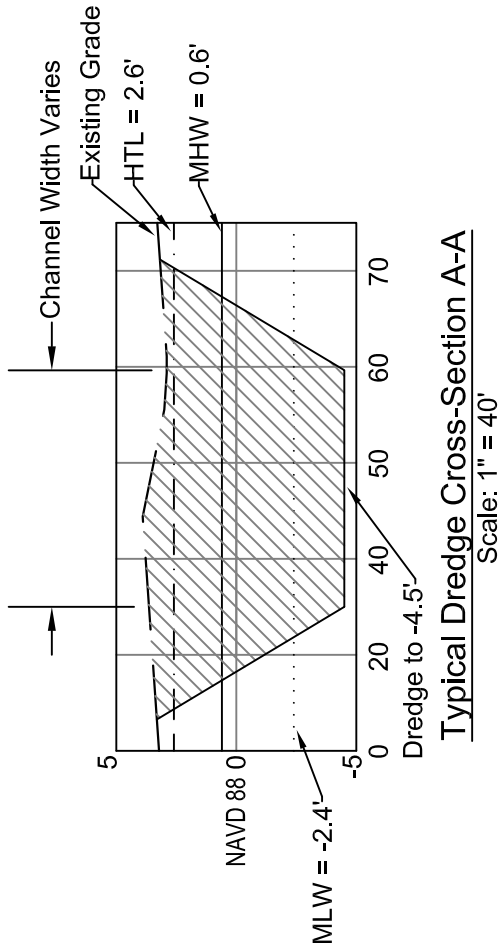
Datum	NAVD88 ft
HTL	2.61
MHW	0.61
NAVD88	0
MLW	-2.39



DATE: July, 2012

SHEET: 2 OF 8

2010-142_Site M ACOE.dwg



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Herring Creek Restoration

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012








SHEET: 3 OF 8

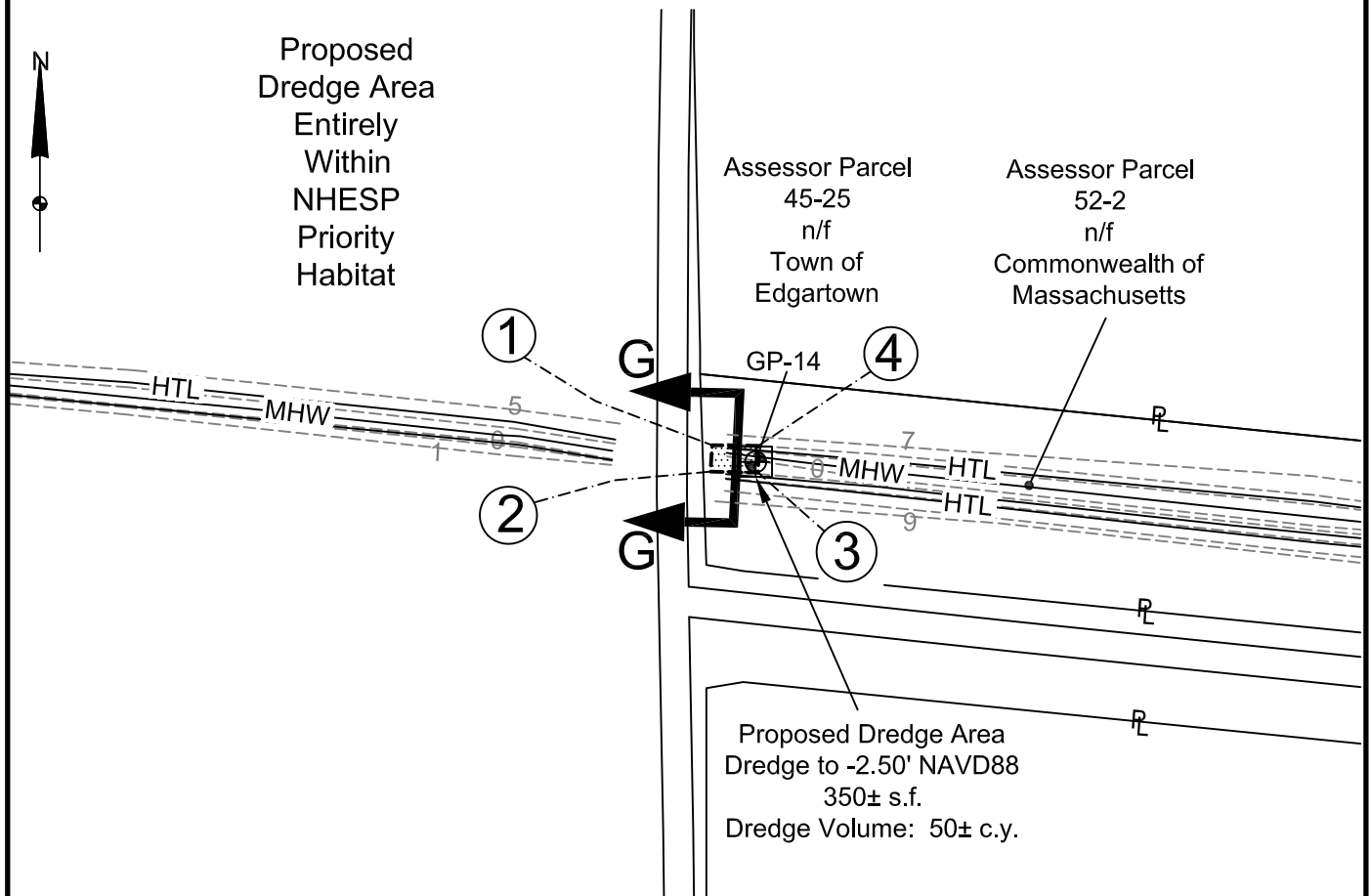
2010-142_Site M ACOE.dwg

Dredge Coordinates

	Northing	Easting
1	2,590,102	922,864
2	2,590,088	922,863
3	2,590,087	922,888
4	2,590,101	922,888

Legend:

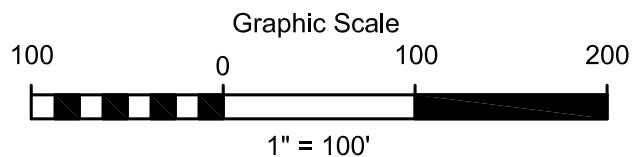
-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Dredge Channel
-  Dredge Coordinates
-  Core Sample



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Herring Creek Restoration

PLAN BY: **WOODS HOLE GROUP**

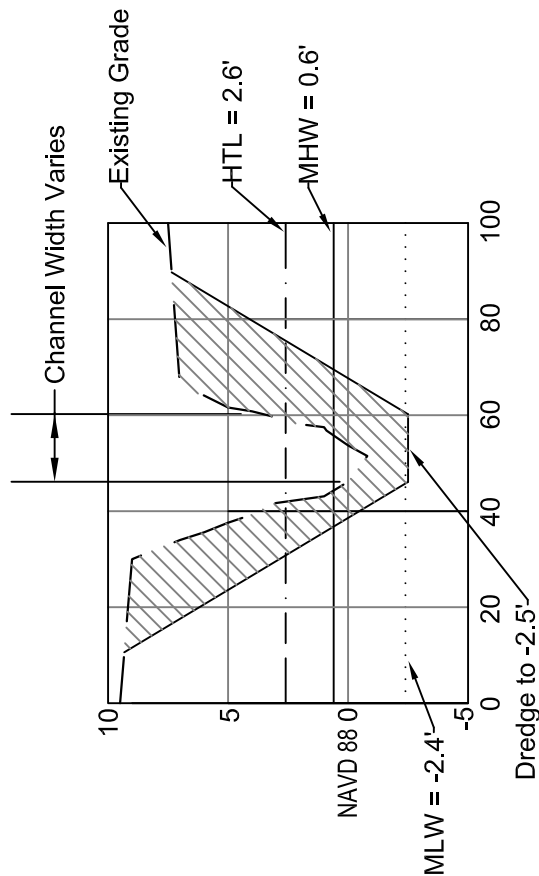
Datum	NAVD88 ft
HTL	2.61
MHW	0.61
NAVD88	0
MLW	-2.39



DATE: July, 2012

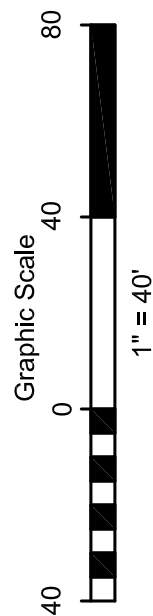
SHEET: 4 OF 8

2010-142_Site M ACOE.dwg



Typical Dredge Cross-Section G-G

Scale: 1" = 40'



Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Herring Creek Restoration

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

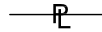
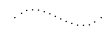




SHEET: 5 OF 8

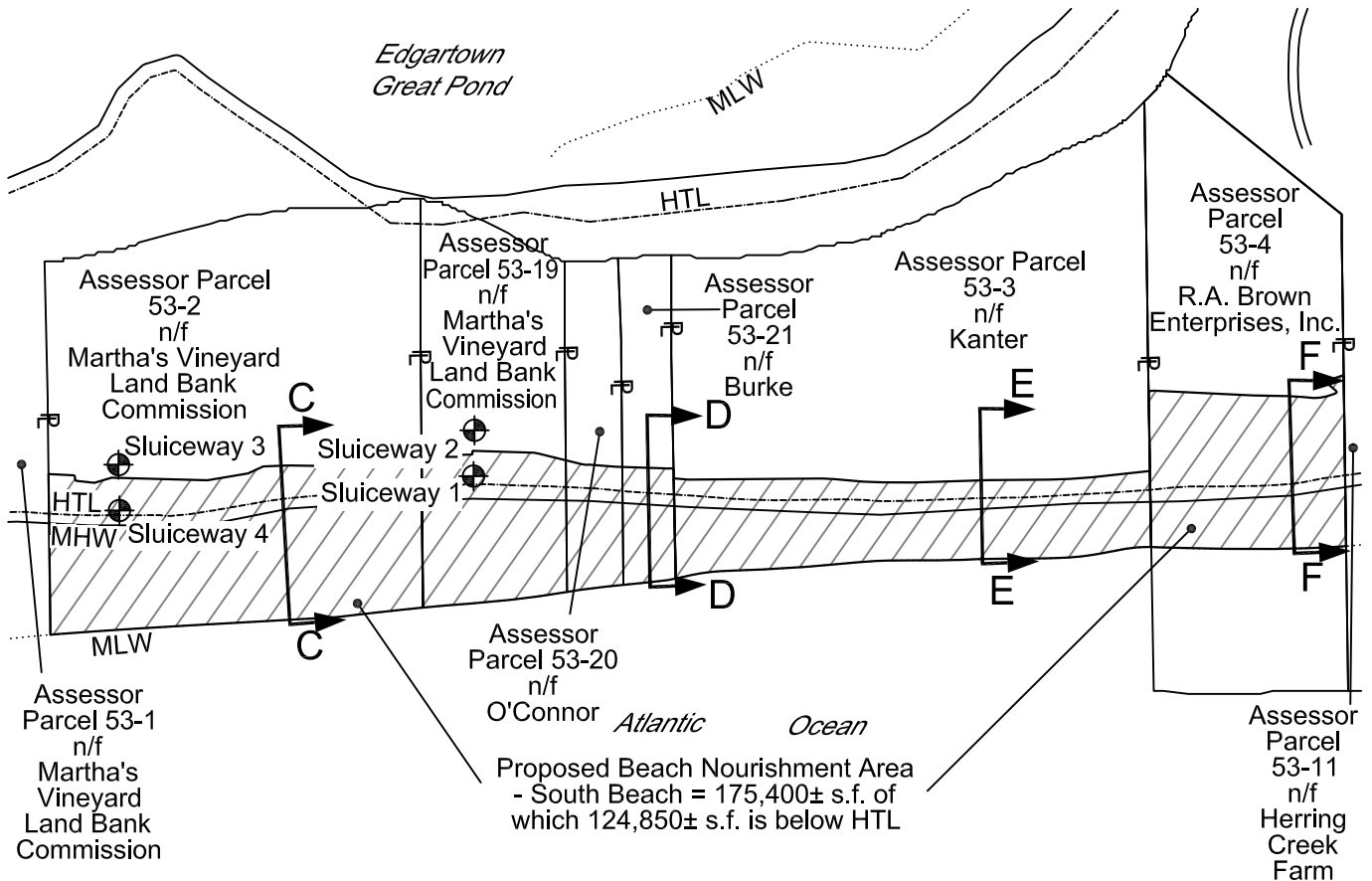
2010-142_Site M ACOE.dwg



Proposed
Beach
Nourishment
Area Entirely
Within
NHESP
Priority
Habitat

Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample

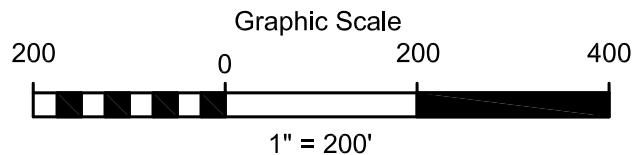


Proposed Beach Nourishment Area
- South Beach = 175,400± s.f. of
which 124,850± s.f. is below HTL

Datum	NAVD88 ft
HTL	2.61
MHW	0.61
NAVD88	0
MLW	-2.39

Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Herring Creek Restoration

PLAN BY: **WOODS
HOLEGROUP**



DATE: July, 2012

SHEET: 6 OF 8

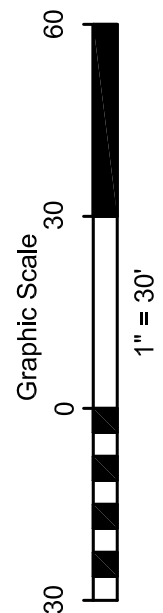
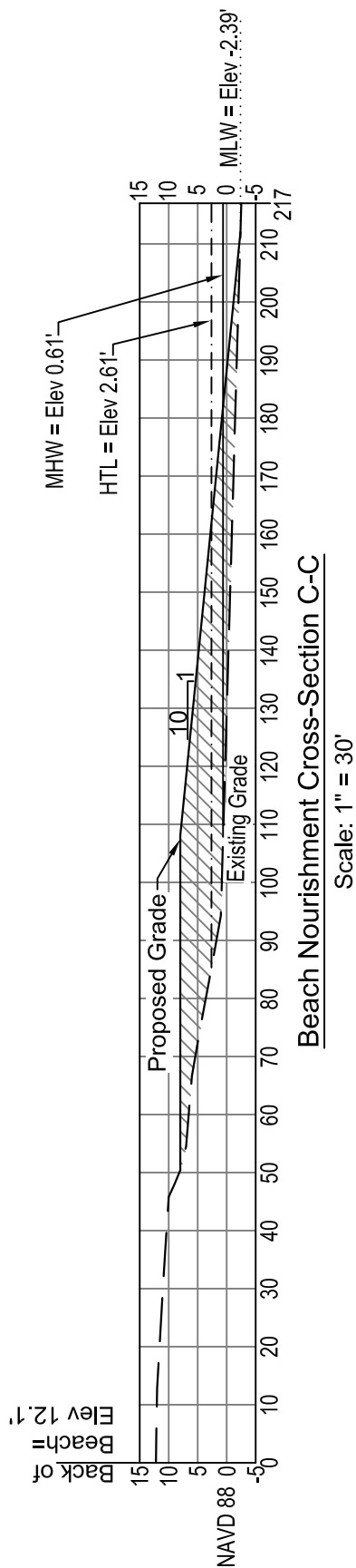
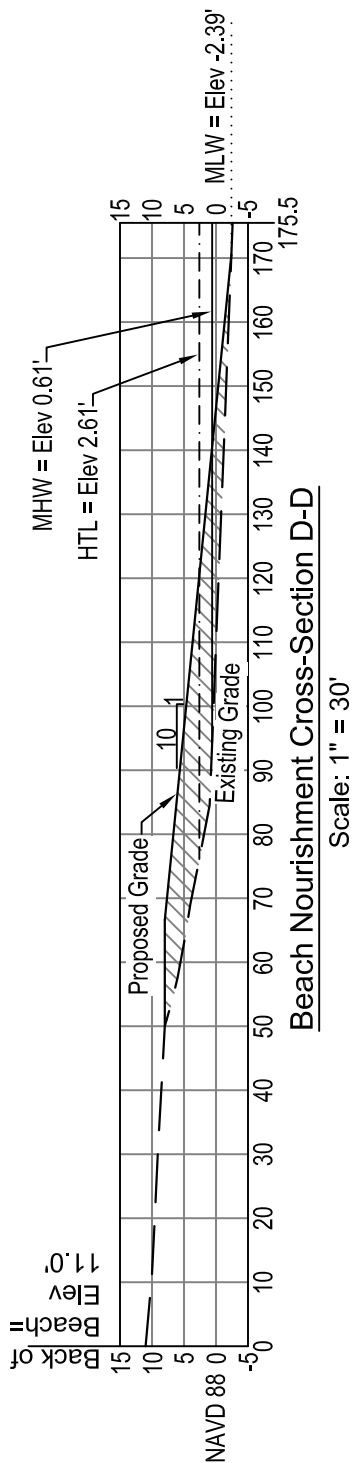
2010-142_Site M ACOE.dwg

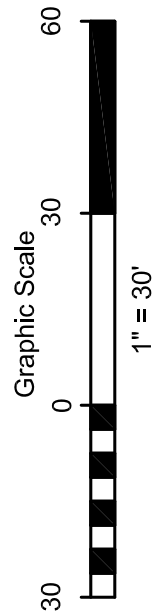
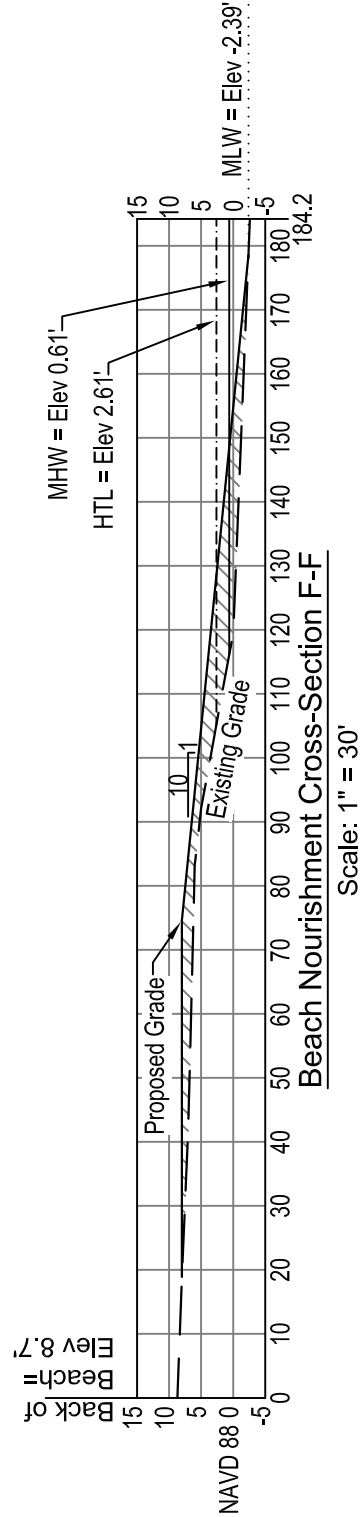
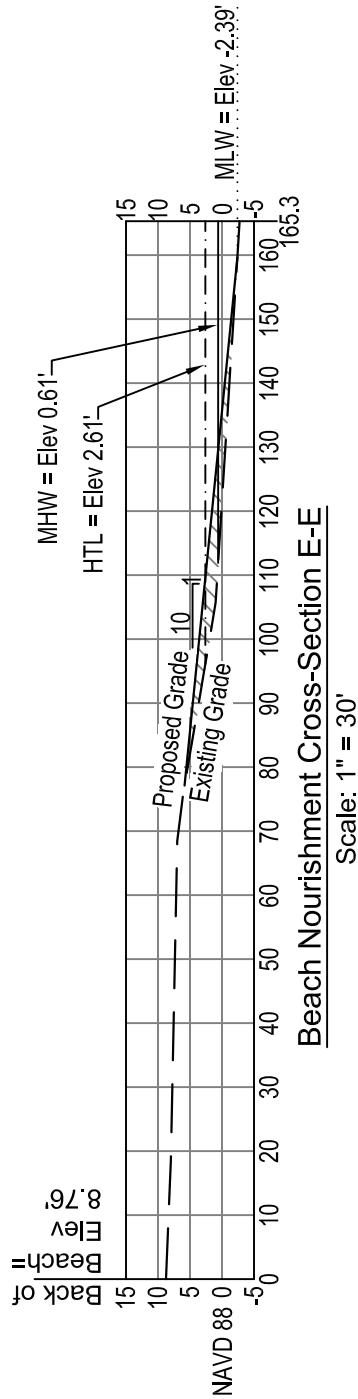
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Herring Creek Restoration

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 7 OF 8





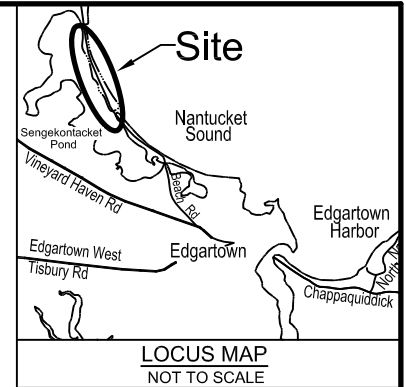
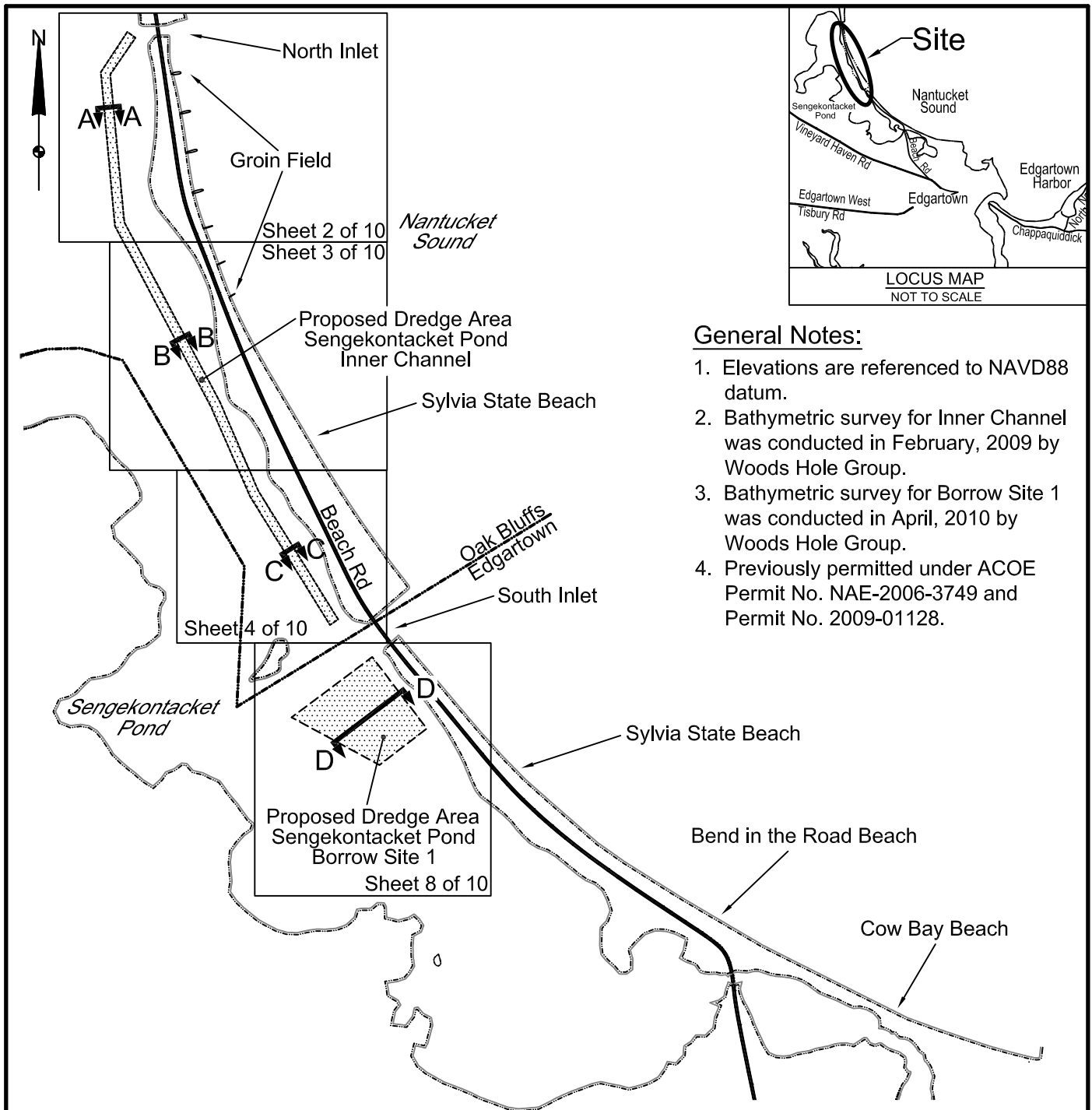
Town of Edgartown for
Proposed Maintenance Dredging and Beach
Nourishment for
Herring Creek Restoration

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

SHEET: 8 OF 8

2010-142_Site M ACOE.dwg



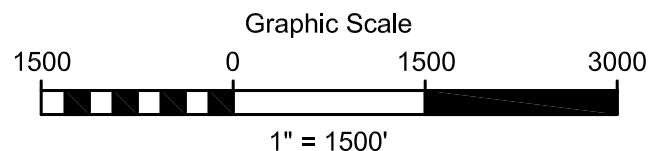
General Notes:

1. Elevations are referenced to NAVD88 datum.
2. Bathymetric survey for Inner Channel was conducted in February, 2009 by Woods Hole Group.
3. Bathymetric survey for Borrow Site 1 was conducted in April, 2010 by Woods Hole Group.
4. Previously permitted under ACOE Permit No. NAE-2006-3749 and Permit No. 2009-01128.

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel,
Oak Bluffs and Borrow Site 1, Edgartown,
Dukes County, MA

PLAN BY: **WOODS HOLE GROUP**

81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001



DATE: July, 2012

SHEET: 1 OF 10

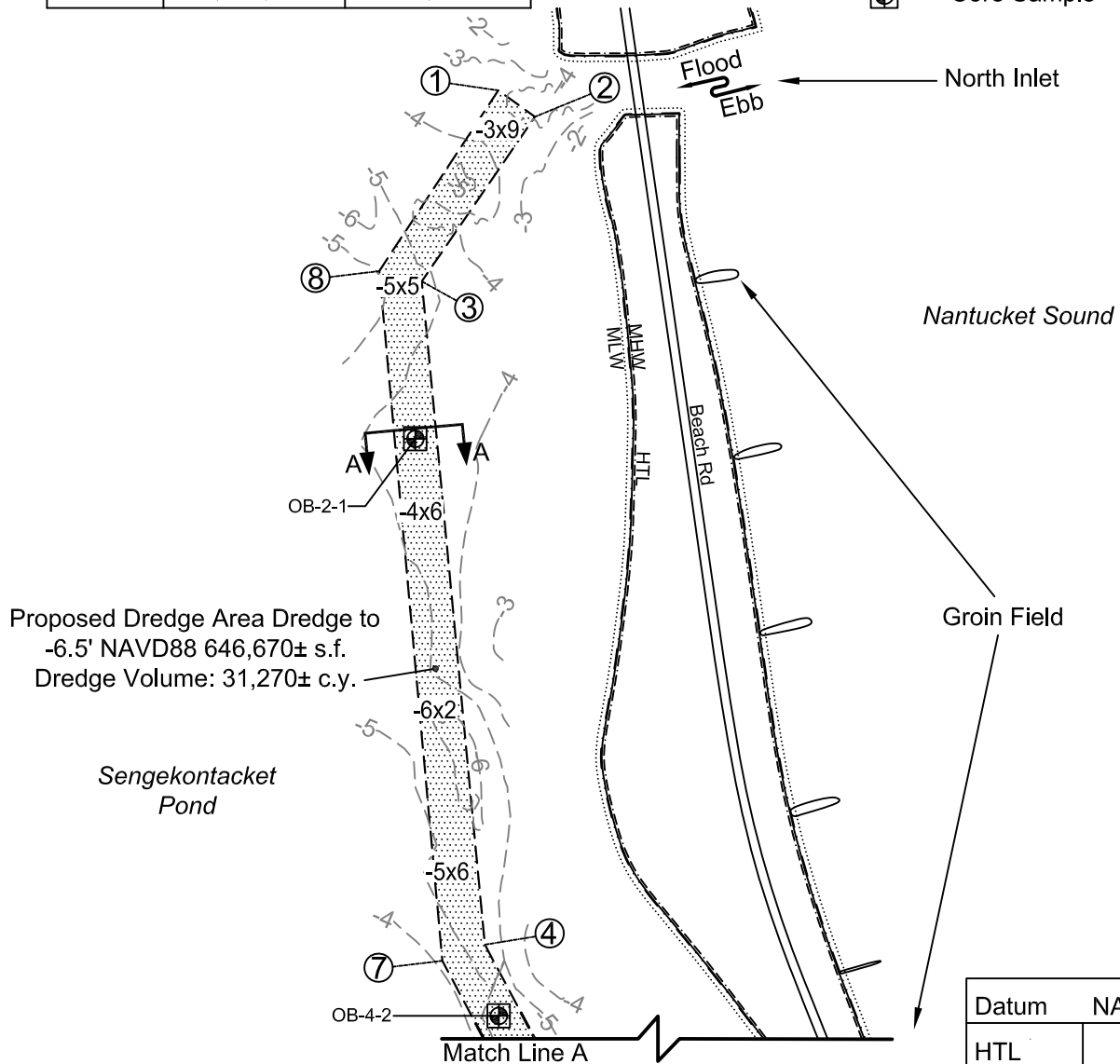


Dredge Coordinates

	Northing	Easting
1	2,619,762	914,595
2	2,619,703	914,677
3	2,619,335	914,424
4	2,617,852	914,565
5	2,613,866	916,711
6	2,613,810	916,629
7	2,617,816	914,470
8	2,619,358	914,329

Legend:

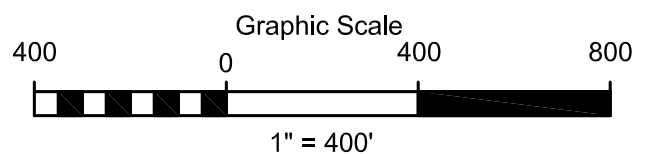
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Core Sample



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Town of Edgartown
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel
and Borrow Site 1

PLAN BY: **WOODS**
HOLEGROUP









DATE: July, 2012

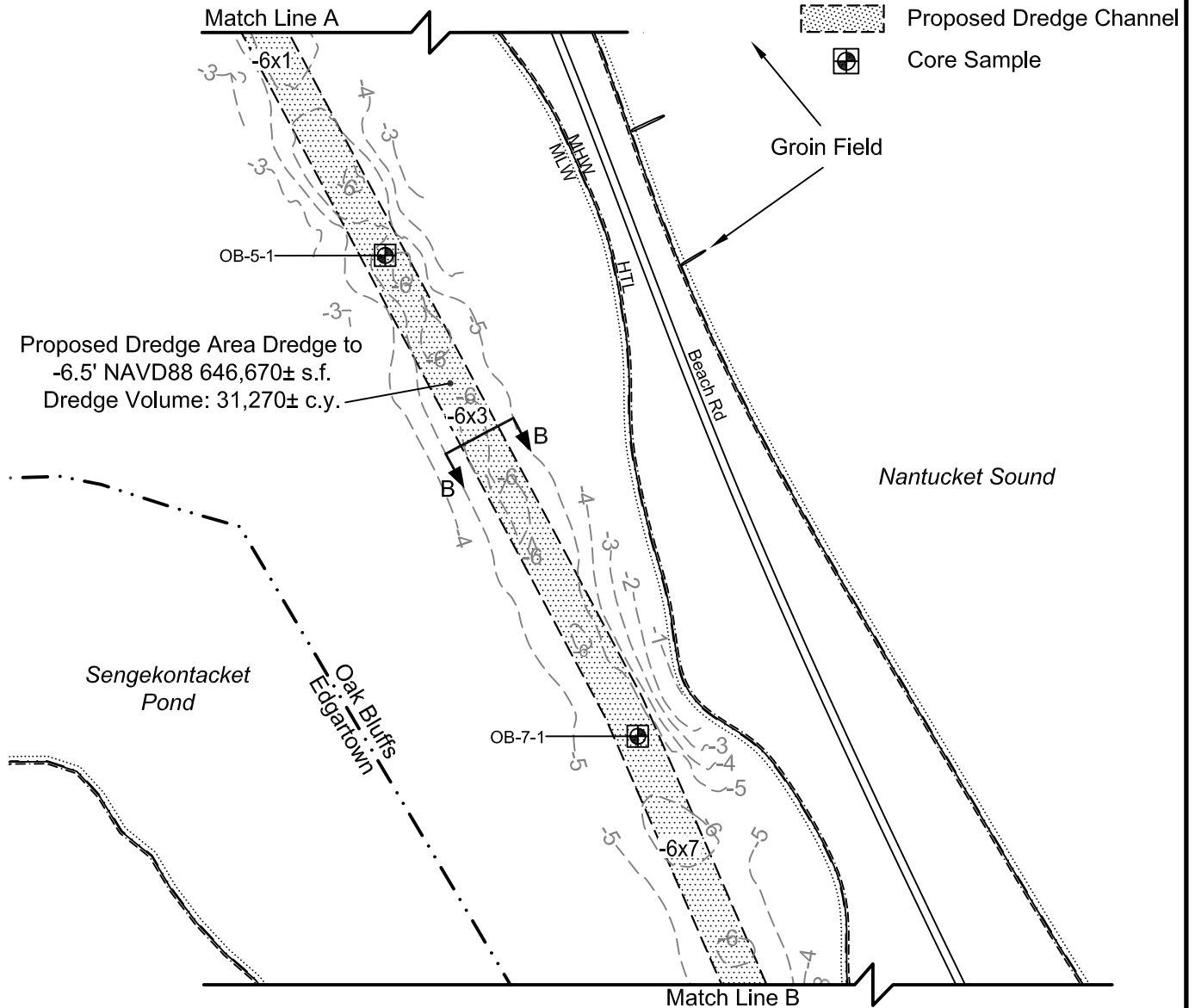
SHEET: 2 OF 10

2010-142_Senge Pond Combined ACOE.dwg



Legend:

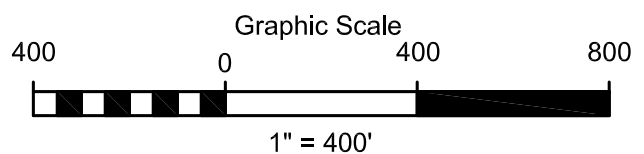
-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Dredge Channel
-  Core Sample



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Town of Edgartown
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel
and Borrow Site 1

PLAN BY: **WOODS**
HOLEGROUP










DATE: July, 2012

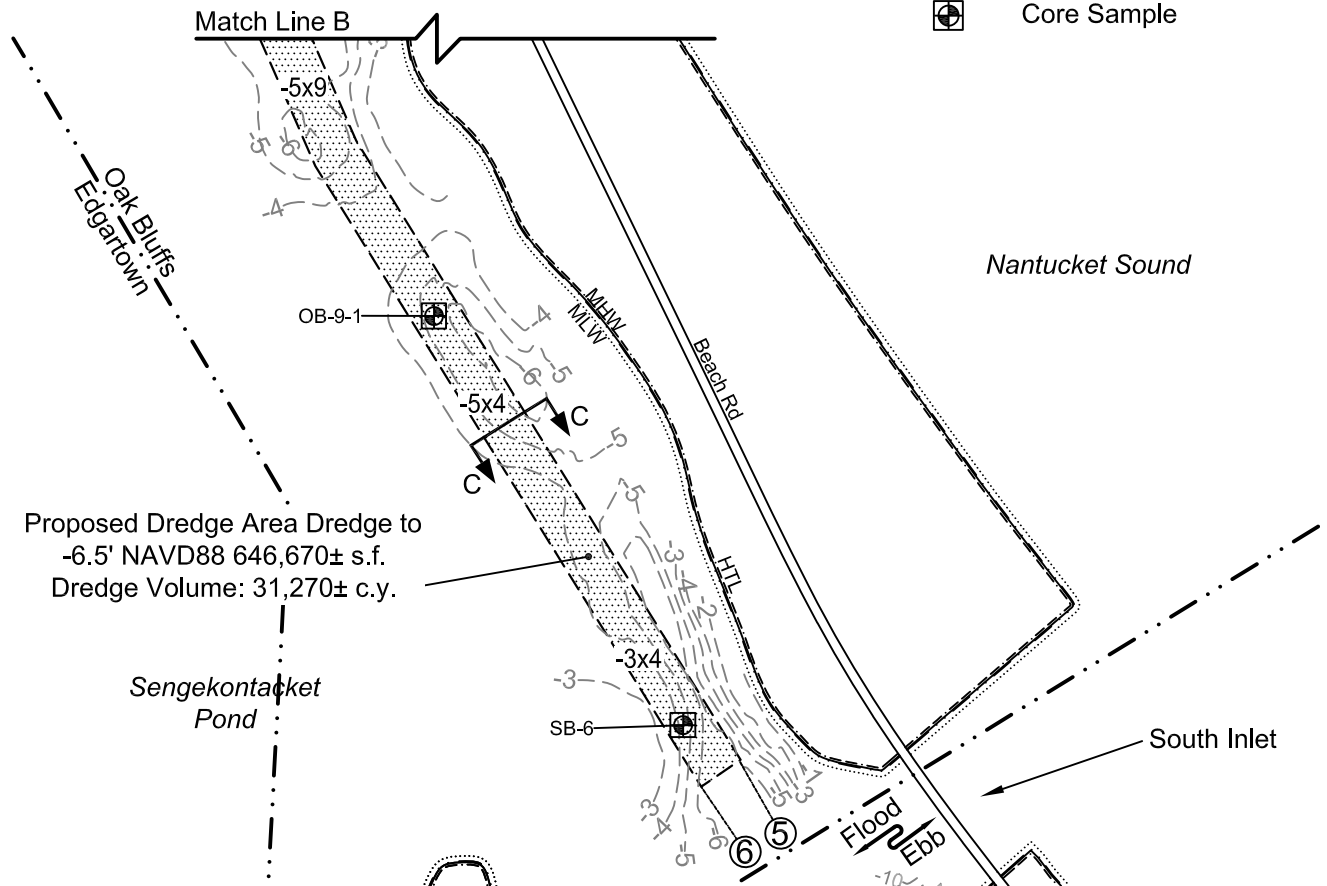
SHEET: 3 OF 10

2010-142_Senge Pond Combined ACOE.dwg



Legend:

-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Dredge Channel
-  Dredge Coordinates
-  Core Sample

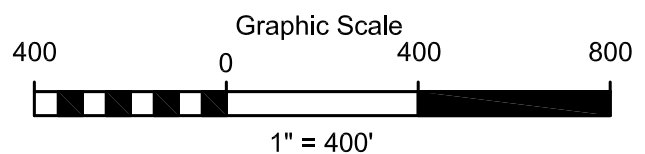


Proposed Dredge Area Dredge to
-6.5' NAVD88 646,670± s.f.
Dredge Volume: 31,270± c.y.

Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Town of Edgartown
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel
and Borrow Site 1

PLAN BY: **WOODS**
HOLEGROUP



DATE: July, 2012

SHEET: 4 OF 10

2010-142_Senge Pond Combined ACOE.dwg

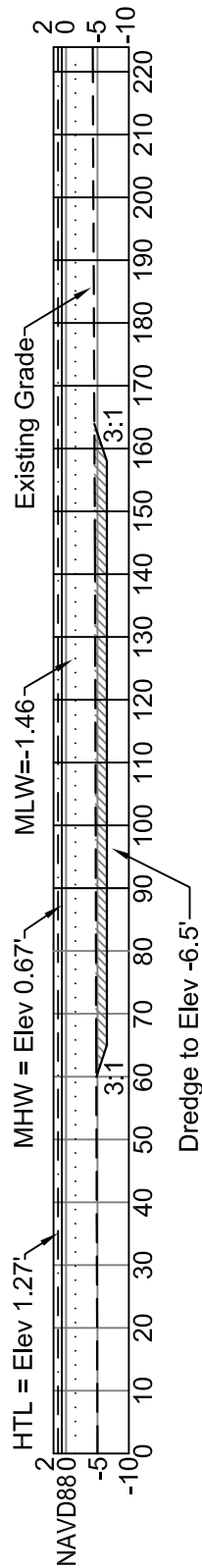
Town of Edgartown
 Proposed Maintenance Dredging for
 Sengekontacket Pond Inner Channel
 and Borrow Site 1

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

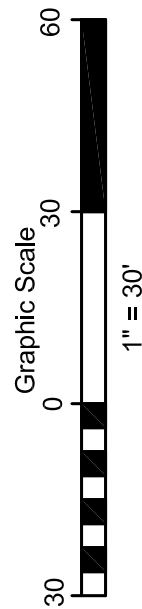
SHEET: 5 OF 10

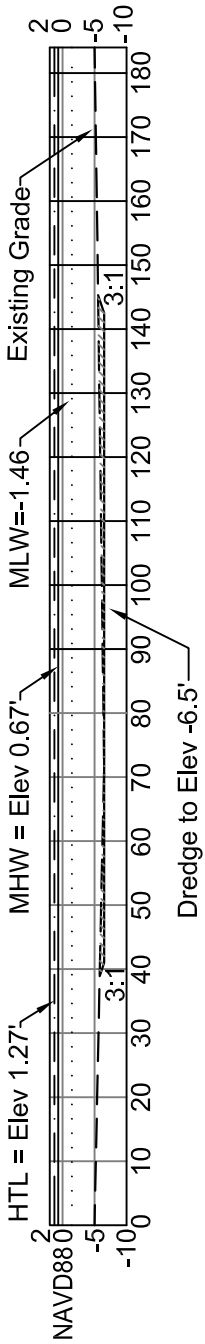
2010-142_Senge Pond Combined ACOE.dwg



Typical Dredge Cross-Section A-A

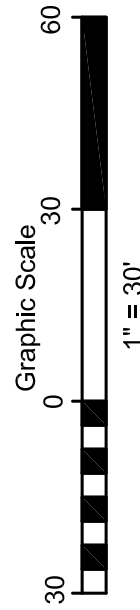
Scale: 1" = 30'





Typical Dredge Cross-Section B-B

Scale: 1" = 30'



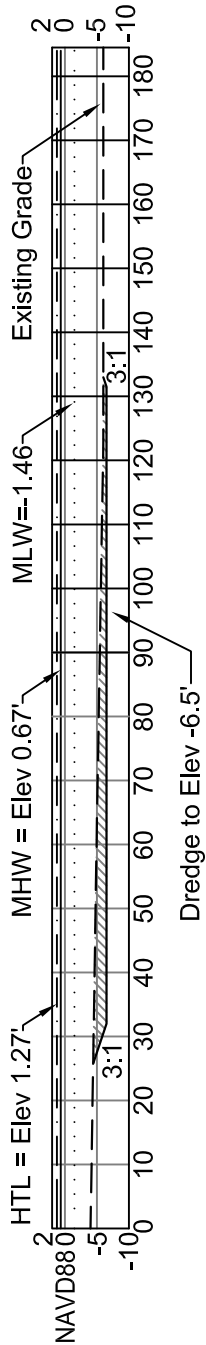
Town of Edgartown
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel
and Borrow Site 1

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

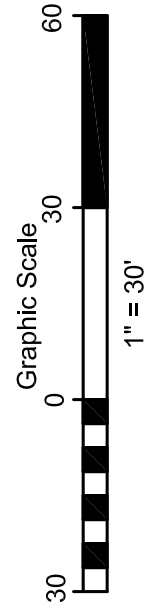
SHEET: 6 OF 10

2010-142_Senge Pond Combined ACOE.dwg



Typical Dredge Cross-Section C-C

Scale: 1" = 30'



Town of Edgartown
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel
and Borrow Site 1

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

SHEET: 7 OF 10

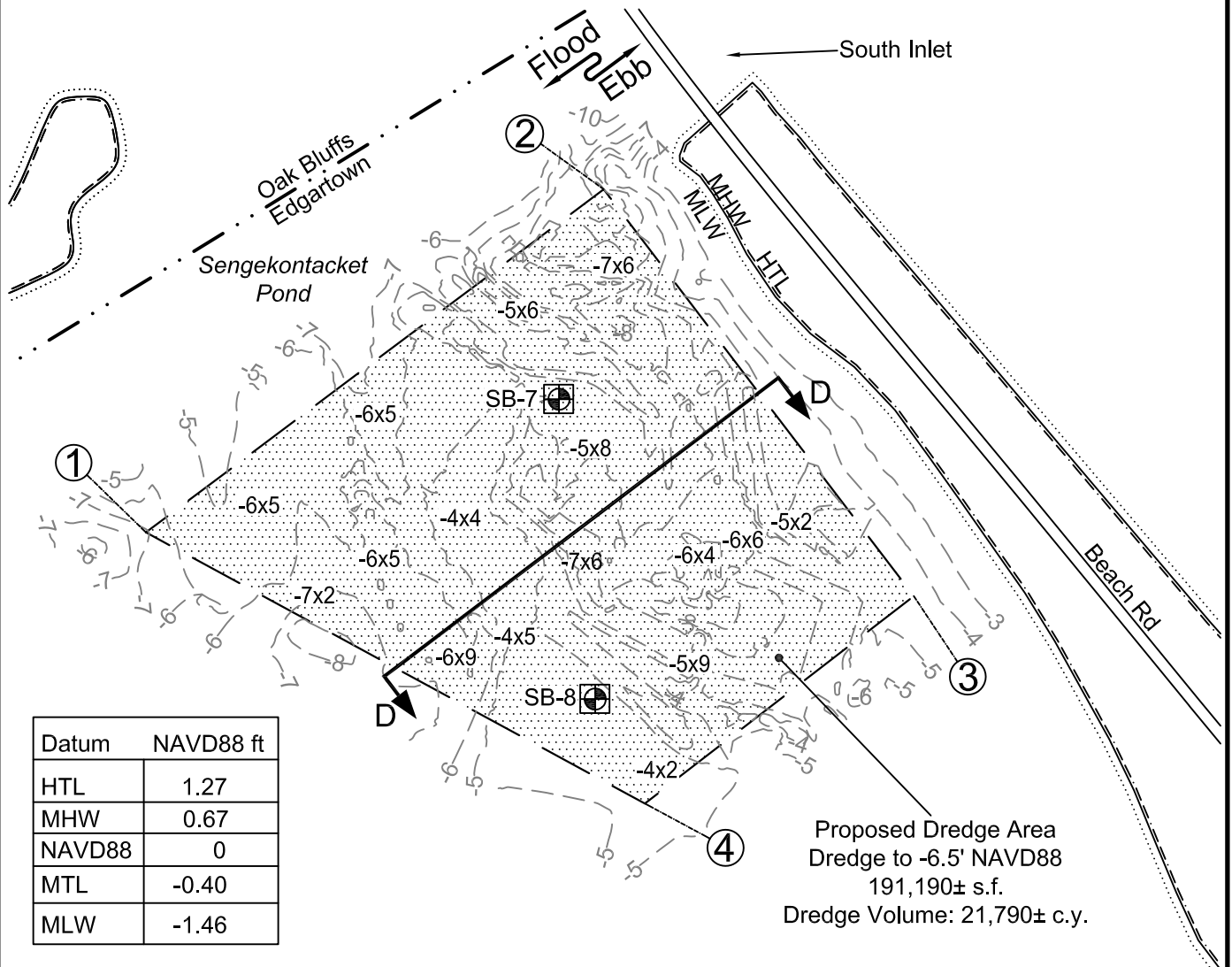
2010-142_Senge Pond Combined ACOE.dwg



Dredge Coordinates		
	Northing	Easting
1	2,612,883	916,244
2	2,613,489	917,053
3	2,612,771	917,601
4	2,612,404	917,126

Legend:

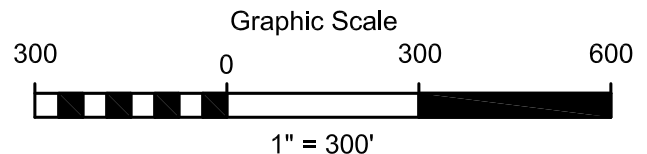
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Dredge Channel
- Dredge Coordinates
- Core Sample



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Town of Edgartown
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel
and Borrow Site 1

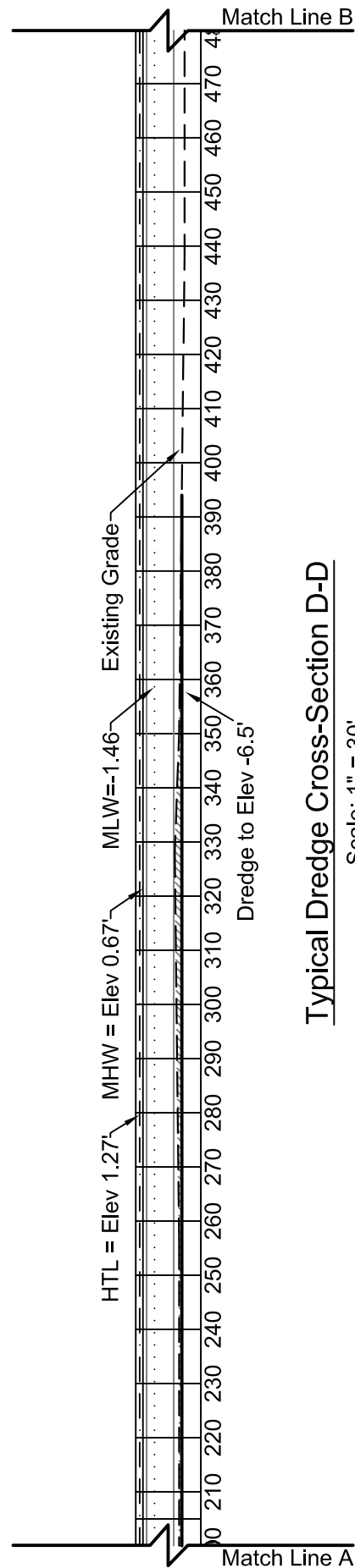
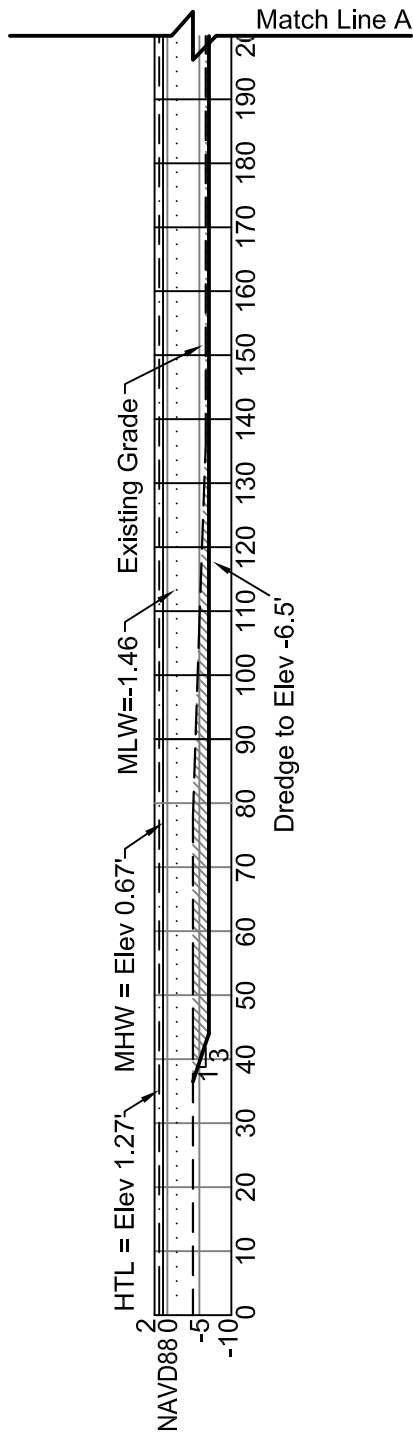
PLAN BY: **WOODS**
HOLEGROUP



DATE: July, 2012

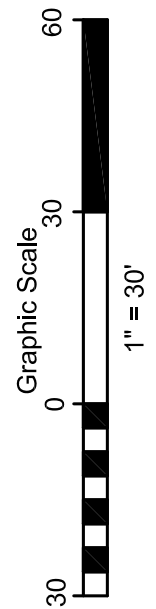
SHEET: 8 OF 10

2010-142_Senge Pond Combined ACOE.dwg



Typical Dredge Cross-Section D-D

Scale: 1" = 30'



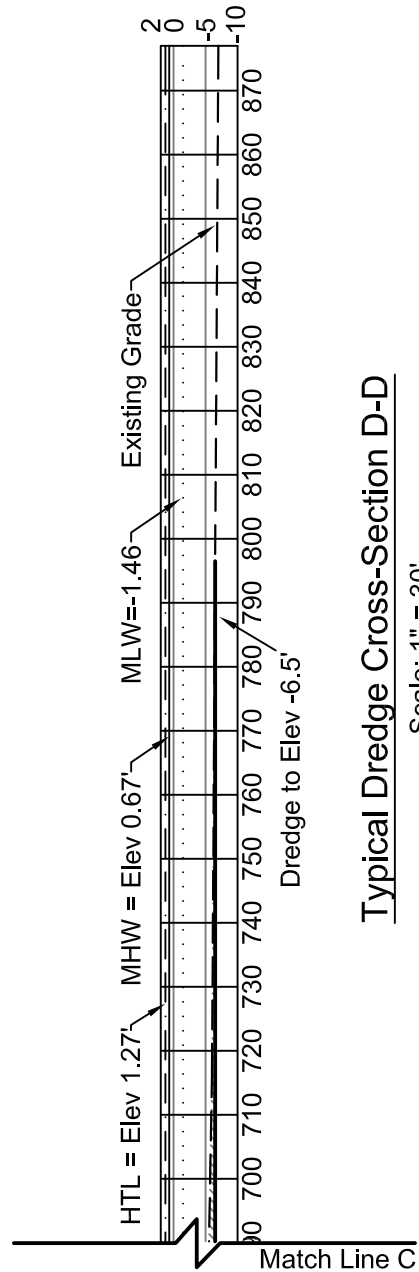
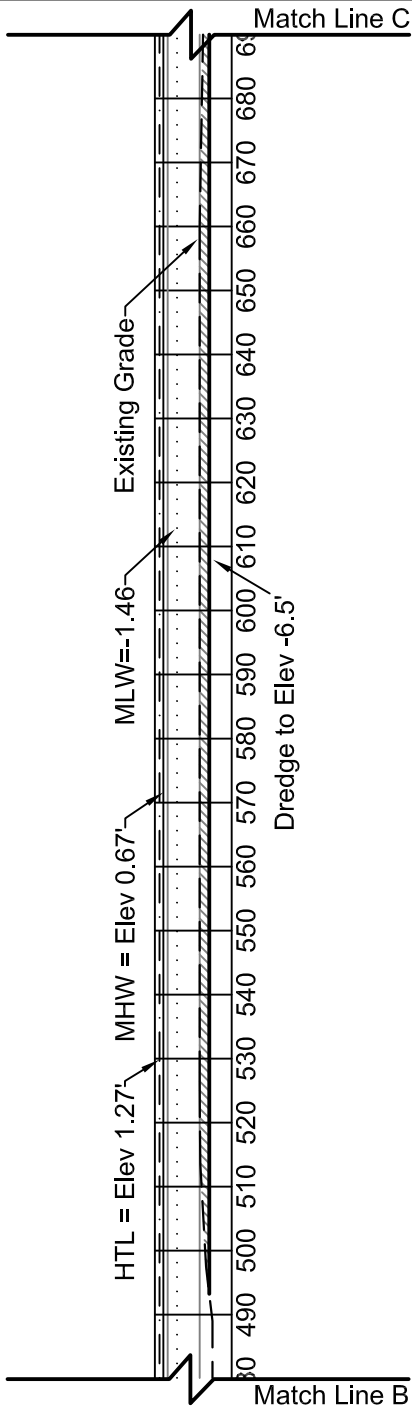
Town of Edgartown
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel
and Borrow Site 1

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

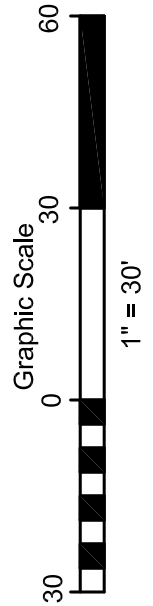
SHEET: 9 OF 10

2010-142_Senge Pond Combined ACOE.dwg



Typical Dredge Cross-Section D-D

Scale: 1" = 30'



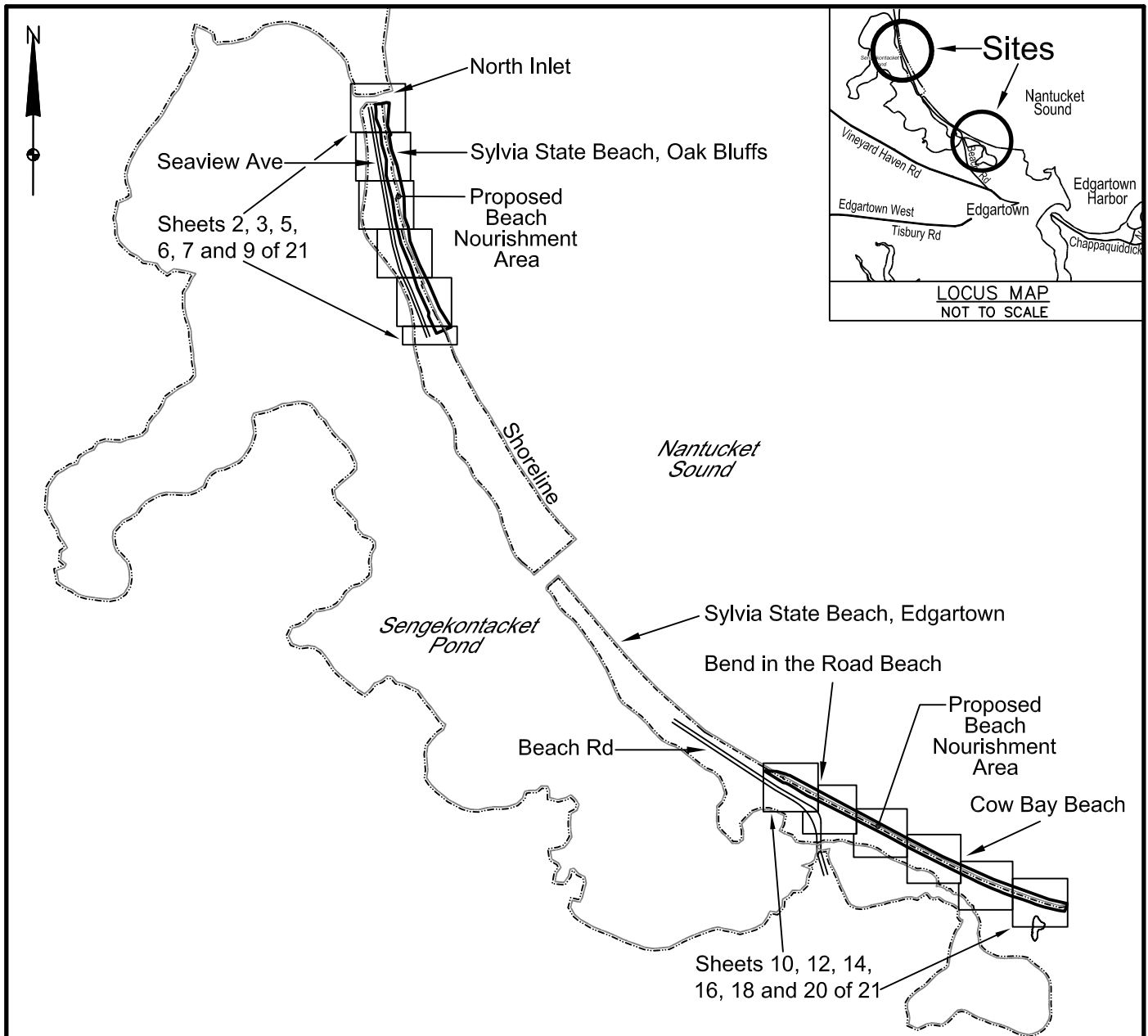
Town of Edgartown
Proposed Maintenance Dredging for
Sengekontacket Pond Inner Channel
and Borrow Site 1

PLAN BY: **WOODS HOLE GROUP**

DATE: July, 2012

SHEET: 10 OF 10

2010-142_Senge Pond Combined ACOE.dwg



General Notes:

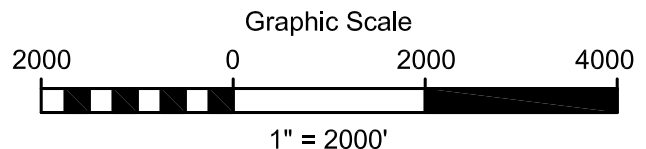
1. Elevations are referenced to NAVD88 datum.
2. Surveys for Cow Bay Beach and Bend in the Road Beach conducted in September, 2011 and survey for Sylvia State Beach conducted February 16, 2012 by Schofield, Barbini and Hoen, Inc.
3. Previously permitted under ACOE Permit No. NAE-2010-1627, NAE-2008-1616 and NAE-2006-3749.

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
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Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
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PLAN BY:



81 TECHNOLOGY PARK DRIVE EAST FALMOUTH, MA 02536
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001



DATE: July, 2012

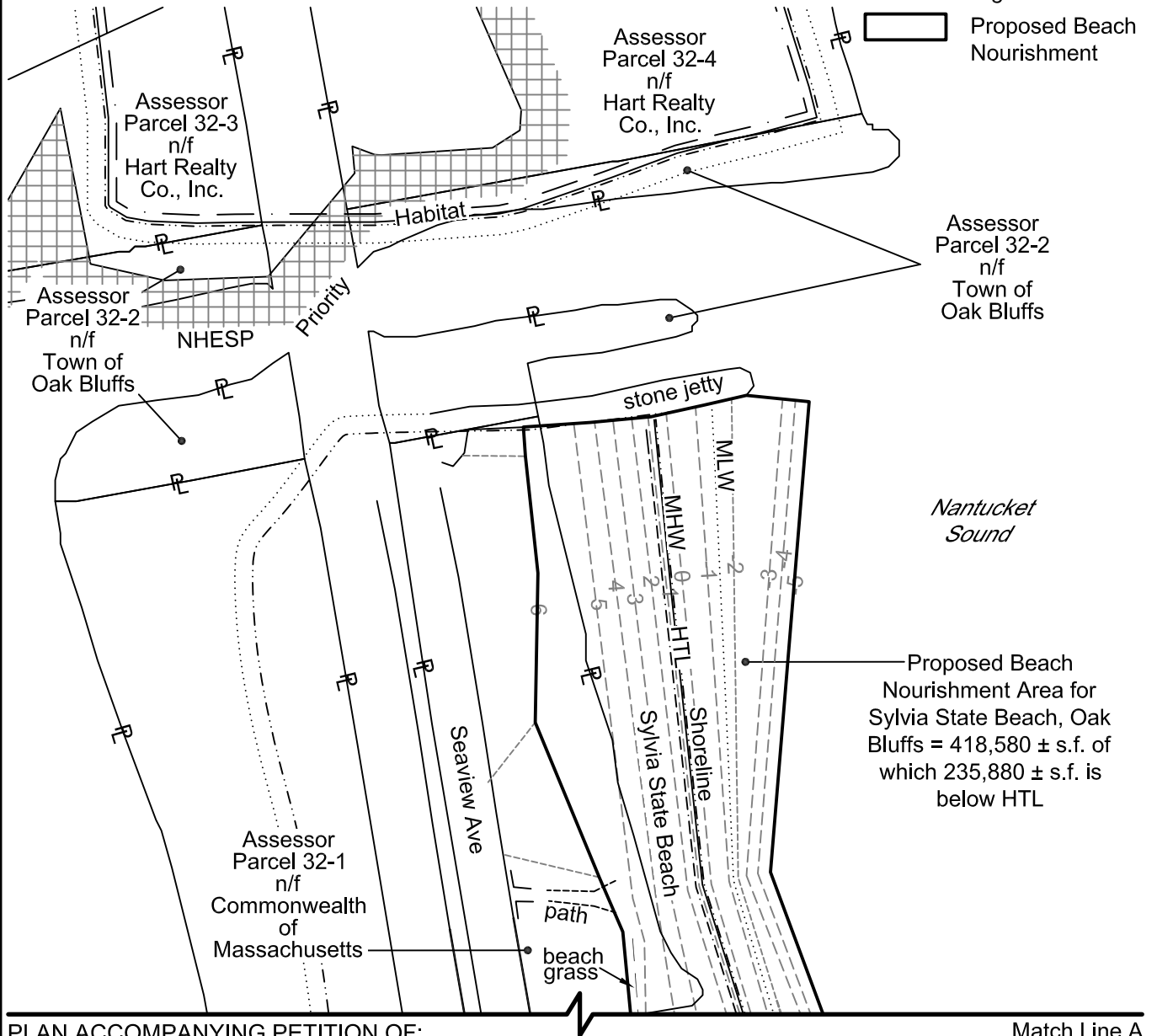
SHEET: 1 OF 21



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

- Property Line
- Contour Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Beach Nourishment

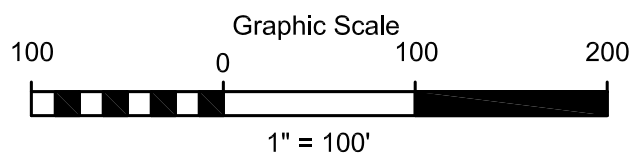


PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Beach Nourishment for
Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
Dukes County, Edgartown and Oak Bluffs, MA

Match Line A

Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat

PLAN BY: **WOODS HOLE GROUP**








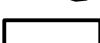

DATE: July, 2012

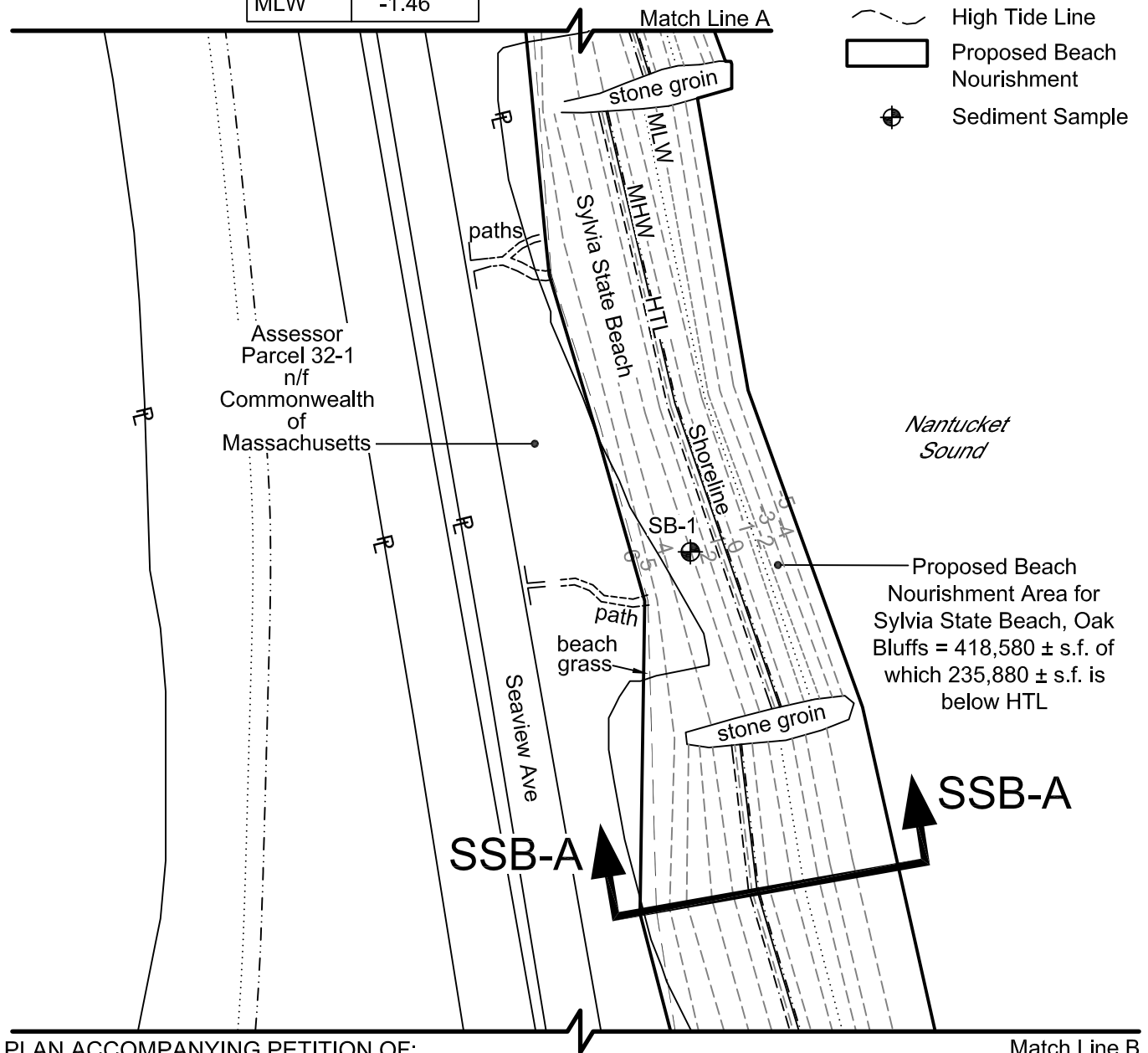
SHEET: 2 OF 21



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

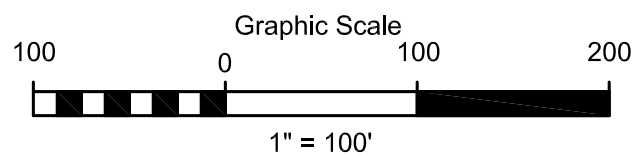
-  Property Line
-  Contour Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample



PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Beach Nourishment for
Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
Dukes County, Edgartown and Oak Bluffs, MA

Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat

PLAN BY: **WOODS HOLE GROUP**



DATE: July, 2012

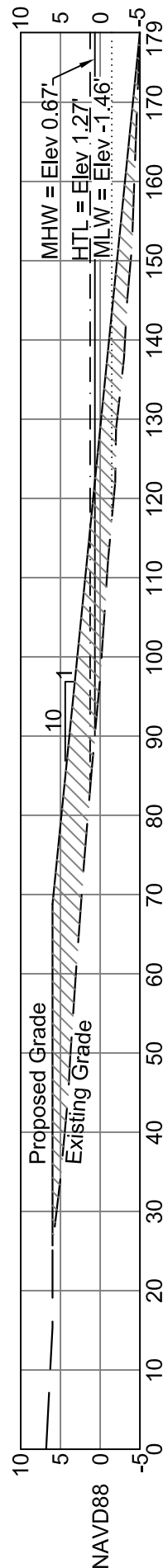
SHEET: 3 OF 21

PLAN ACCOMPANYING PETITION OF:
 Town of Edgartown for
 Proposed Beach Nourishment for
 Cow Bay Beach, Bend in the Road Beach and
 Sylvia State Beach,
 Dukes County, Edgartown and Oak Bluffs, MA

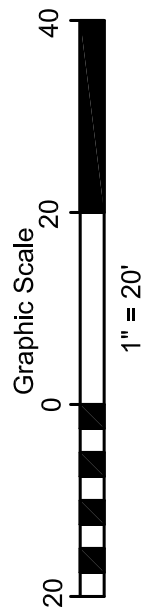
PLAN BY: **WOODS
HOLEGROUP**

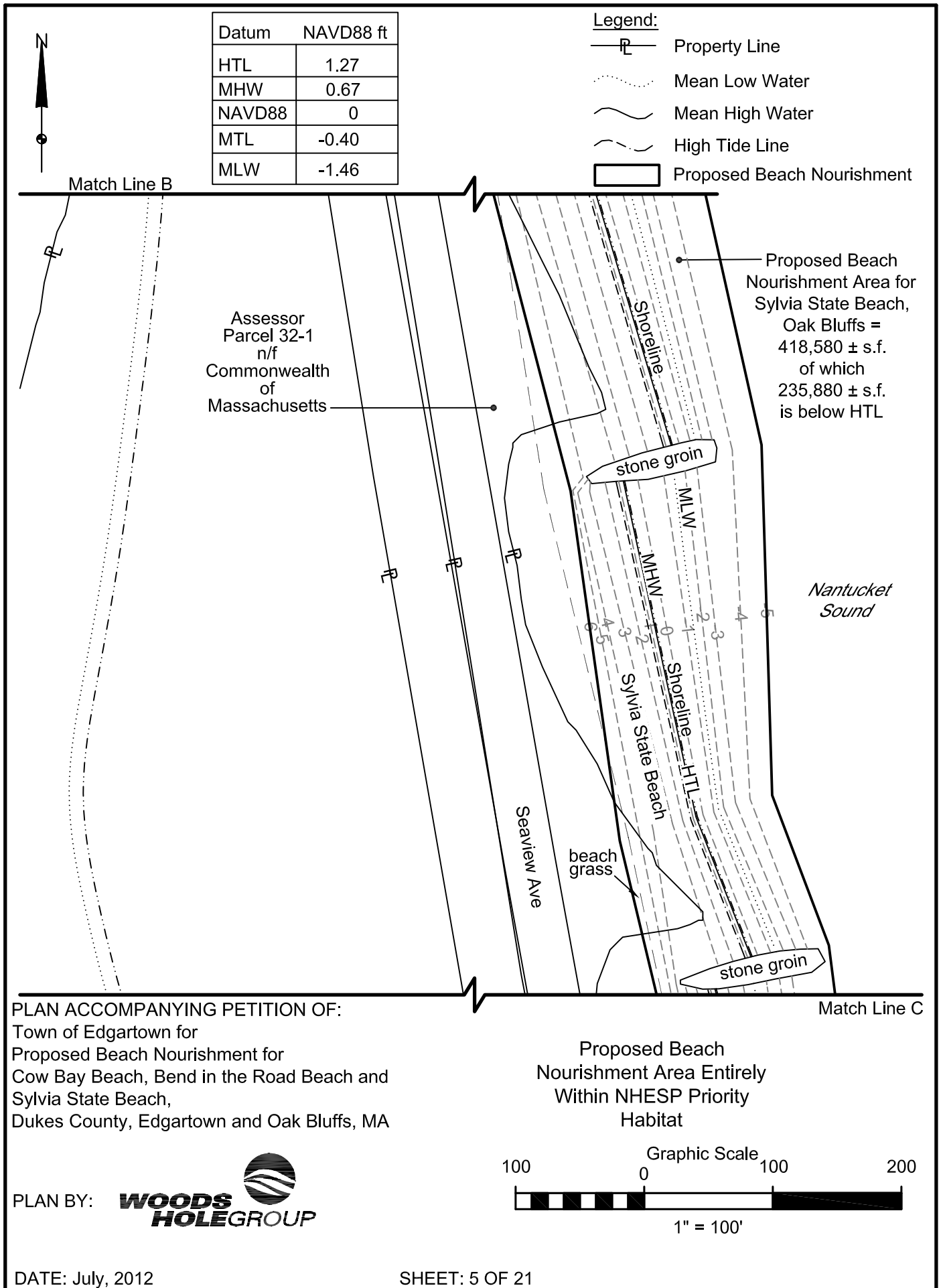
DATE: July, 2012

SHEET: 4 OF 21



Typical Beach Nourishment Cross-Section SSB-A







Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

- Property Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Beach Nourishment
- Sediment Sample

Match Line C

Assessor
Parcel 32-1
n/f
Commonwealth
of
Massachusetts

Sylvia State Beach

MLW

Shoreline

MHW

HTL

SB-2

wood bulkhead

Seaview Ave

Proposed Beach
Nourishment Area for
Sylvia State Beach, Oak
Bluffs = 418,580 ± s.f. of
which 235,880 ± s.f. is
below HTL

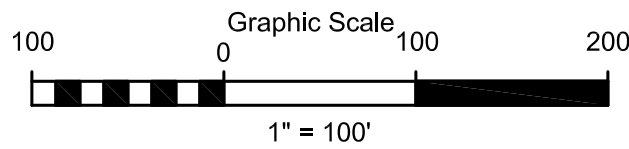
*Nantucket
Sound*

PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Beach Nourishment for
Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
Dukes County, Edgartown and Oak Bluffs, MA

Match Line D

Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat

PLAN BY:



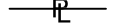
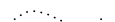



DATE: July, 2012

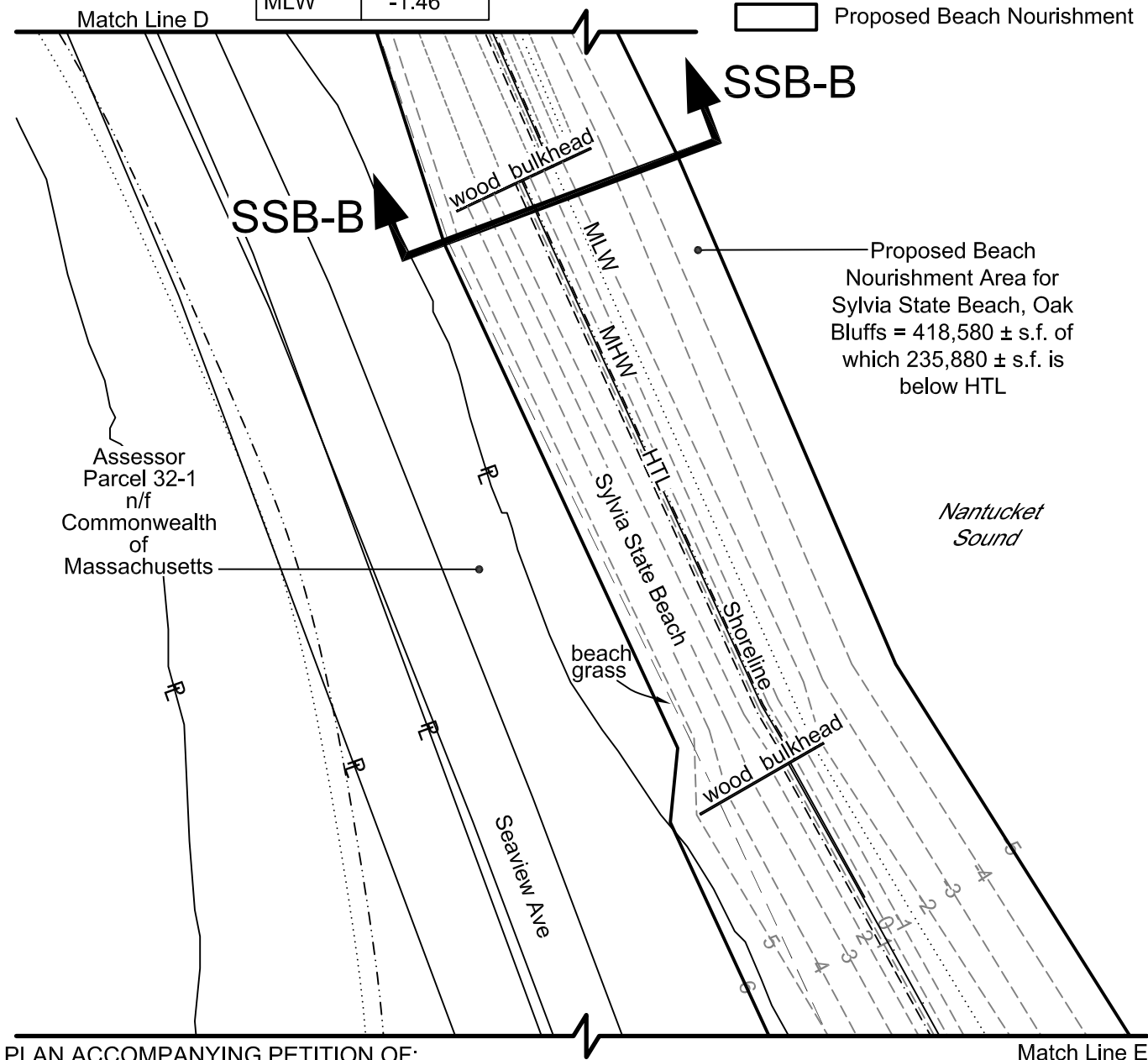
SHEET: 6 OF 21



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

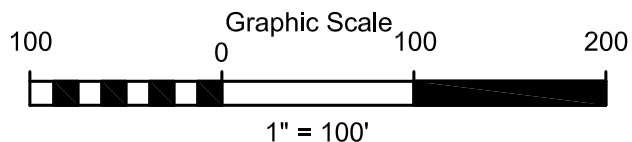
-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment



PLAN ACCOMPANYING PETITION OF:
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Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
Dukes County, Edgartown and Oak Bluffs, MA

Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat

PLAN BY: **WOODS**
HOLEGROUP



DATE: July, 2012

SHEET: 7 OF 21

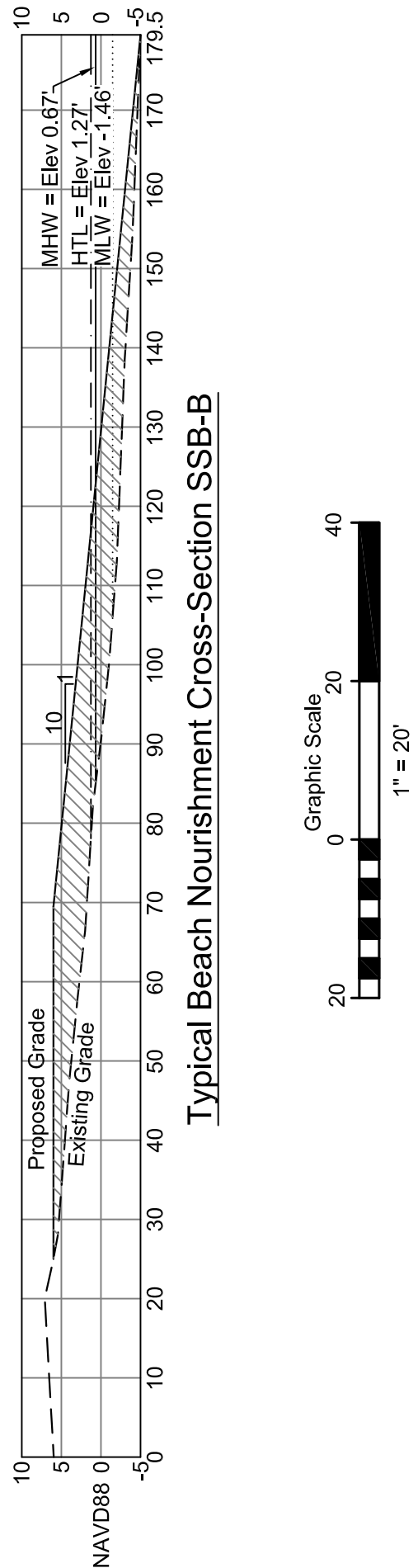
PLAN ACCOMPANYING PETITION OF:
 Town of Edgartown for
 Proposed Beach Nourishment for
 Cow Bay Beach, Bend in the Road Beach and
 Sylvia State Beach,
 Dukes County, Edgartown and Oak Bluffs, MA

PLAN BY: **WOODS
HOLEGROUP**

DATE: July, 2012

SHEET: 8 of 21

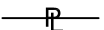
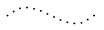
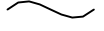


Typical Beach Nourishment Cross-Section SSB-B

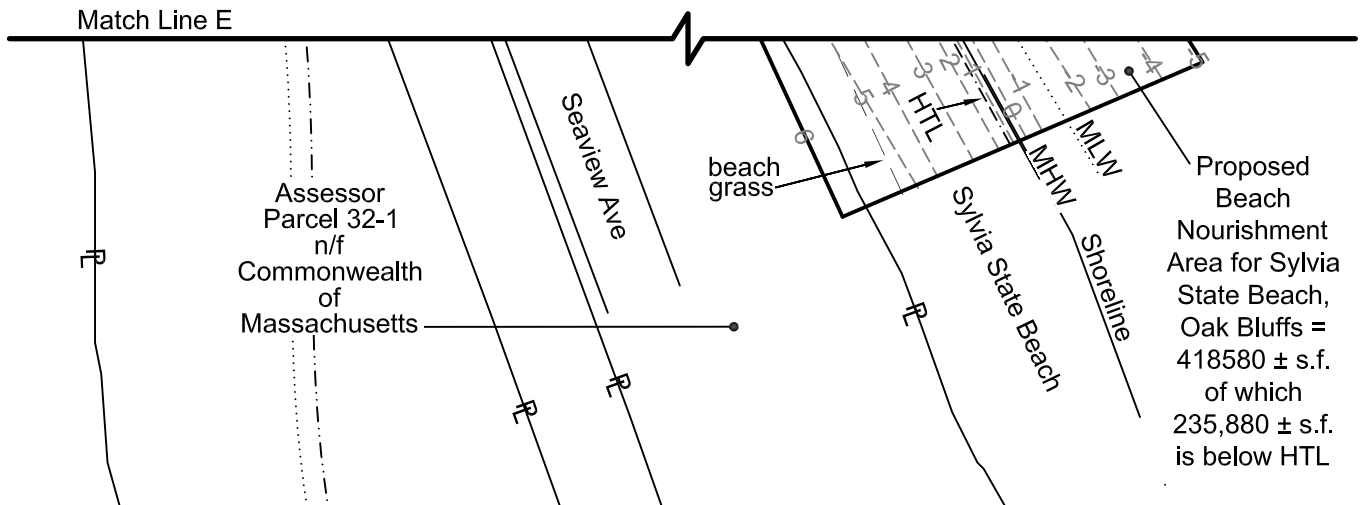




Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment

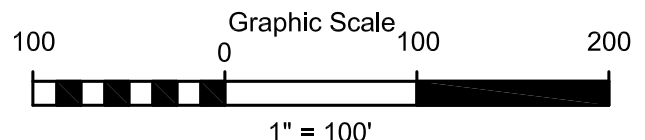


PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
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Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
Dukes County, Edgartown and Oak Bluffs, MA

PLAN BY:



Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat



DATE: July, 2012

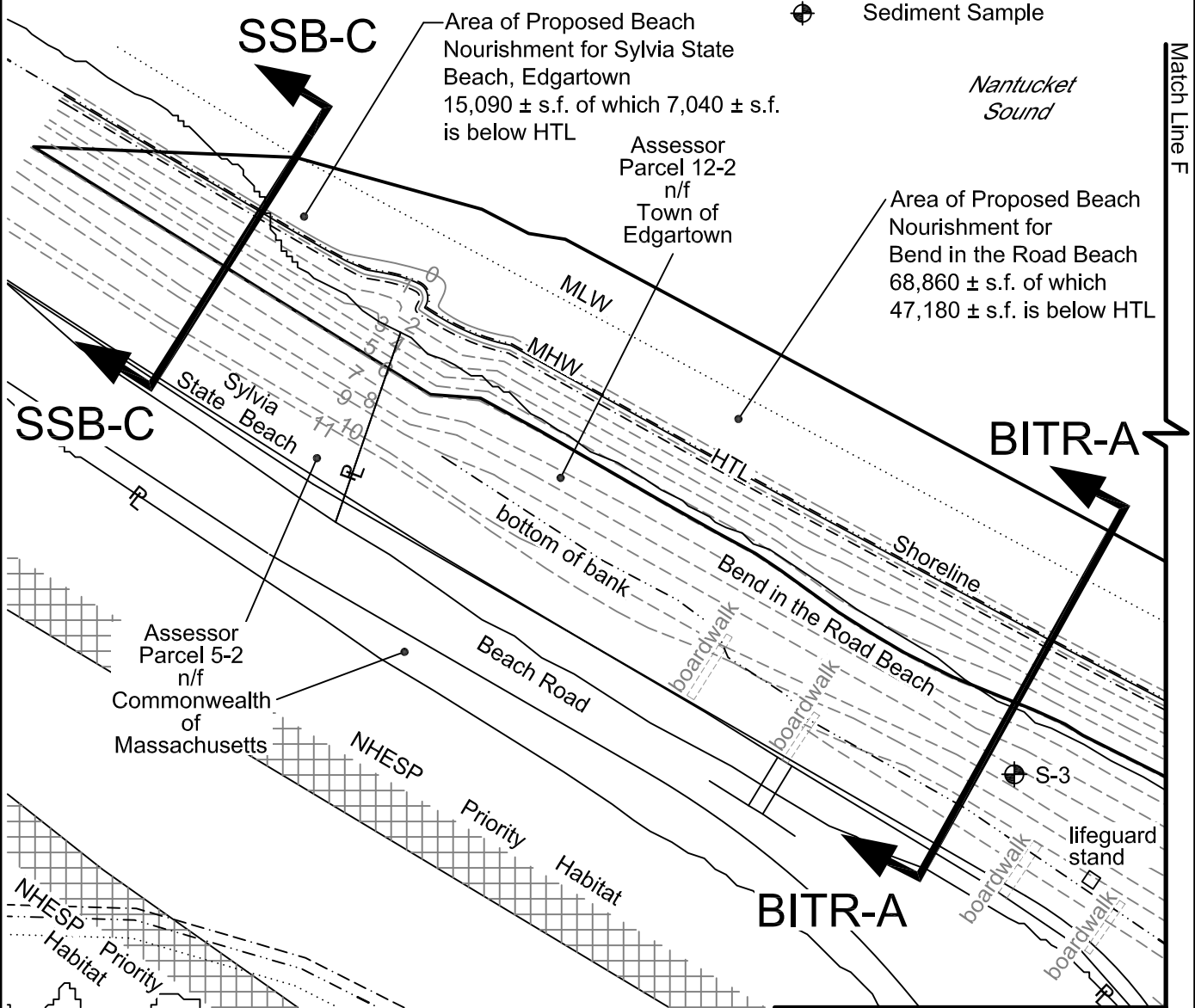
SHEET: 9 OF 21



Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

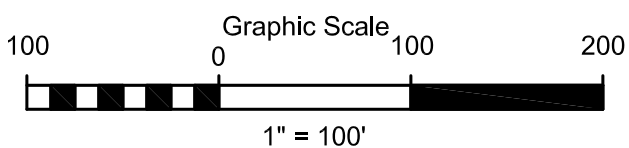
- Property Line
- Mean Low Water
- Mean High Water
- High Tide Line
- Proposed Beach Nourishment
- Sediment Sample



PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Beach Nourishment for
Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
Dukes County, Edgartown and Oak Bluffs, MA

Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat

PLAN BY: **WOODS HOLE GROUP**



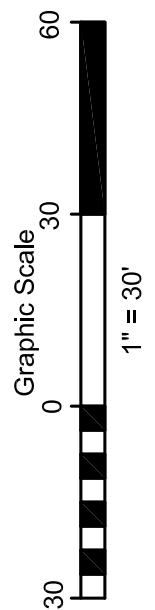
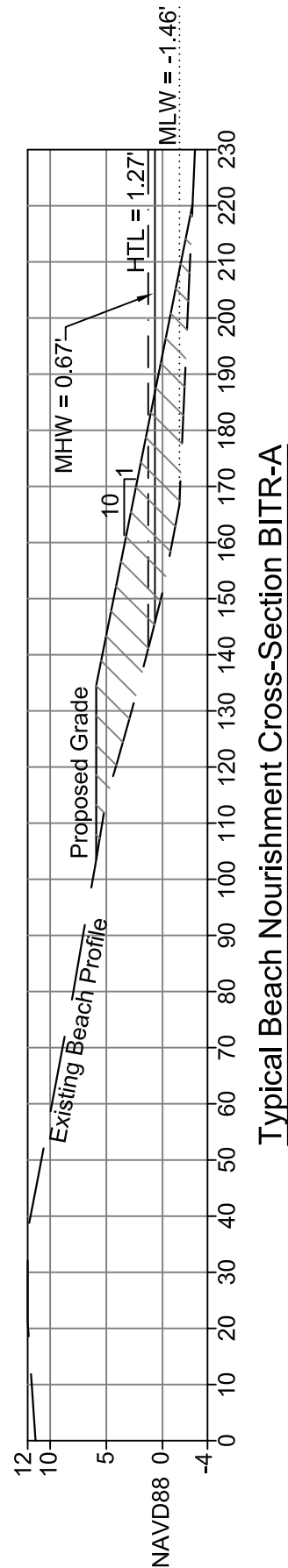
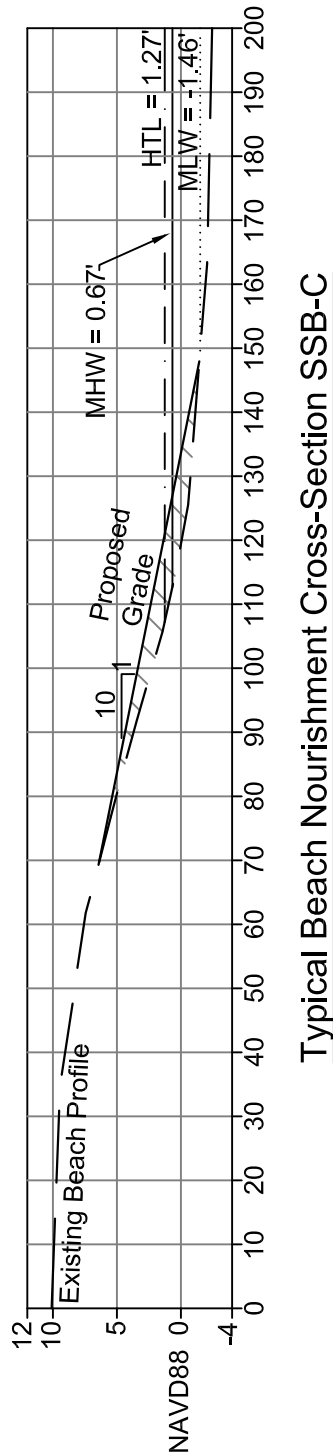
PLAN ACCOMPANYING PETITION OF:
 Town of Edgartown for
 Proposed Beach Nourishment for
 Cow Bay Beach, Bend in the Road Beach and
 Sylvia State Beach,
 Dukes County, Edgartown and Oak Bluffs, MA

PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

SHEET: 11 of 21

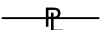
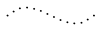
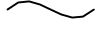


2010-142_CB BITR SSB ACOE.dwg





Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment

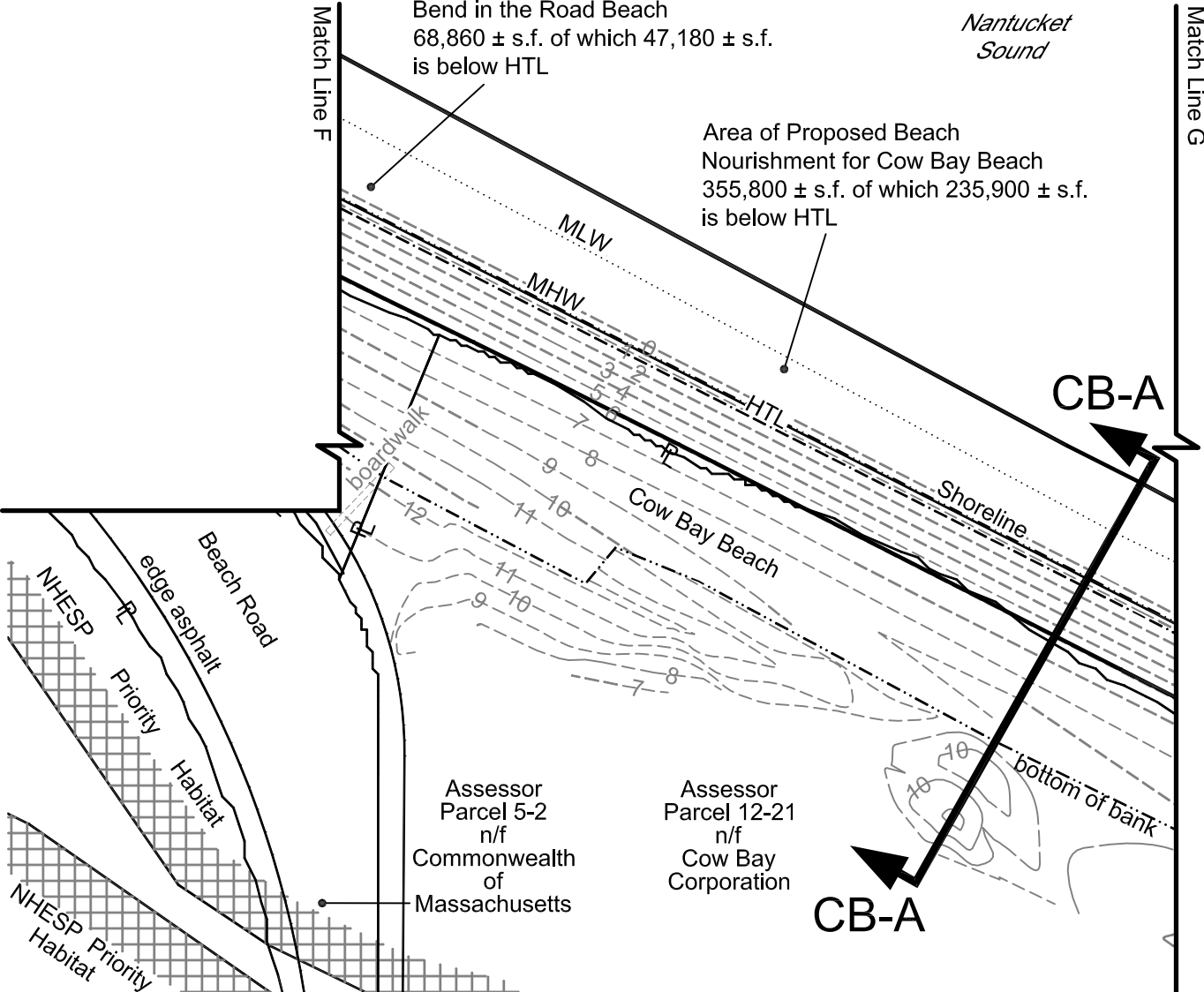
Area of Proposed Beach Nourishment for Bend in the Road Beach
68,860 ± s.f. of which 47,180 ± s.f. is below HTL

Nantucket Sound

Area of Proposed Beach Nourishment for Cow Bay Beach
355,800 ± s.f. of which 235,900 ± s.f. is below HTL

Match Line G

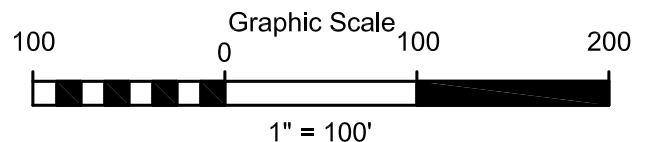
Match Line F



PLAN ACCOMPANYING PETITION OF:
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Dukes County, Edgartown and Oak Bluffs, MA

Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat

PLAN BY: **WOODS HOLE GROUP**



DATE: July, 2012

SHEET: 12 OF 21

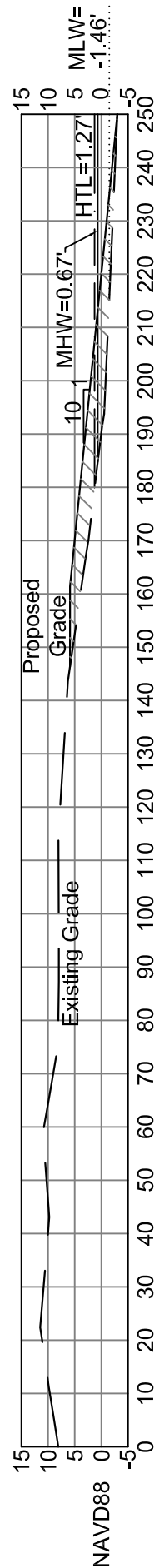
PLAN ACCOMPANYING PETITION OF:
 Town of Edgartown for
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 Cow Bay Beach, Bend in the Road Beach and
 Sylvia State Beach,
 Dukes County, Edgartown and Oak Bluffs, MA

PLAN BY: **WOODS**
HOLEGROUP

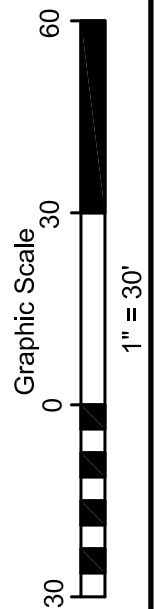
DATE: July, 2012

SHEET: 13 of 21

2010-142_CB BITR SSB ACOE.dwg









Typical Beach Nourishment Cross-Section CB-A

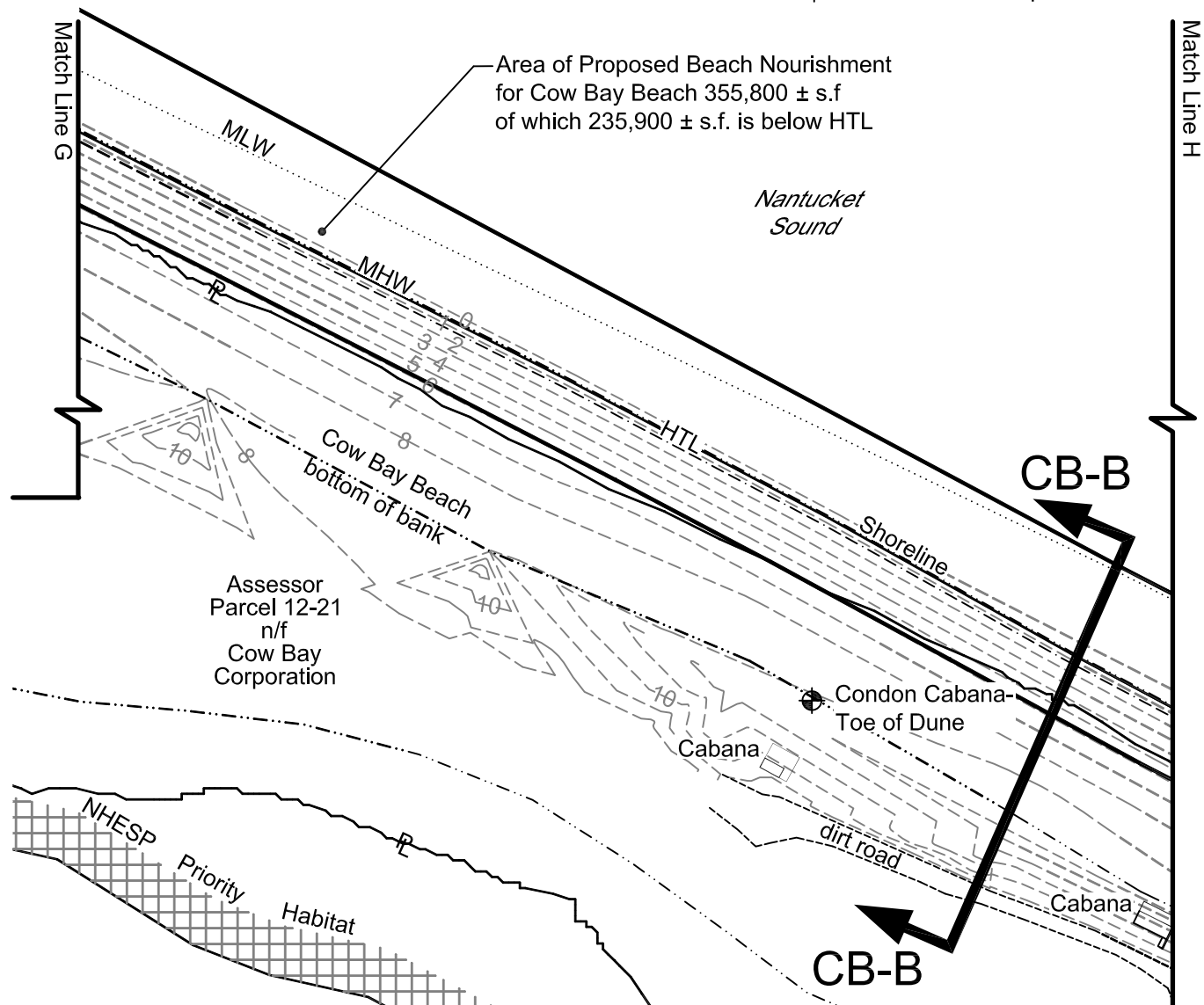




Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

Legend:

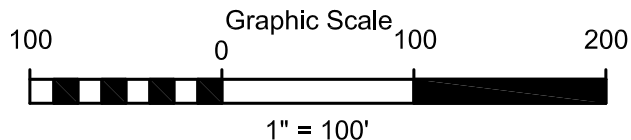
-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample



PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Beach Nourishment for
Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
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Proposed Beach
Nourishment Area Entirely
Within NHESP Priority
Habitat

PLAN BY: **WOODS**
HOLEGROUP



DATE: July, 2012

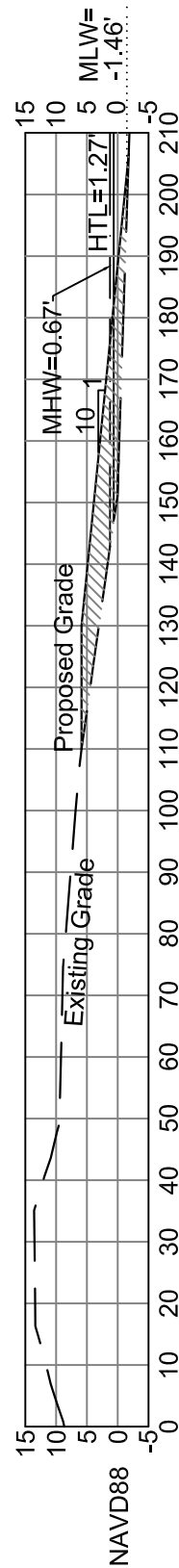
SHEET: 14 OF 21

PLAN ACCOMPANYING PETITION OF:
 Town of Edgartown for
 Proposed Beach Nourishment for
 Cow Bay Beach, Bend in the Road Beach and
 Sylvia State Beach,
 Dukes County, Edgartown and Oak Bluffs, MA

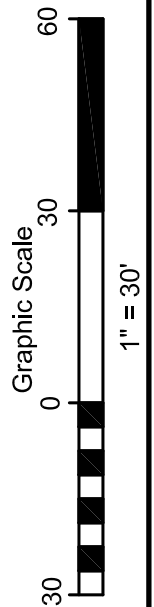
PLAN BY: **WOODS**
HOLEGROUP

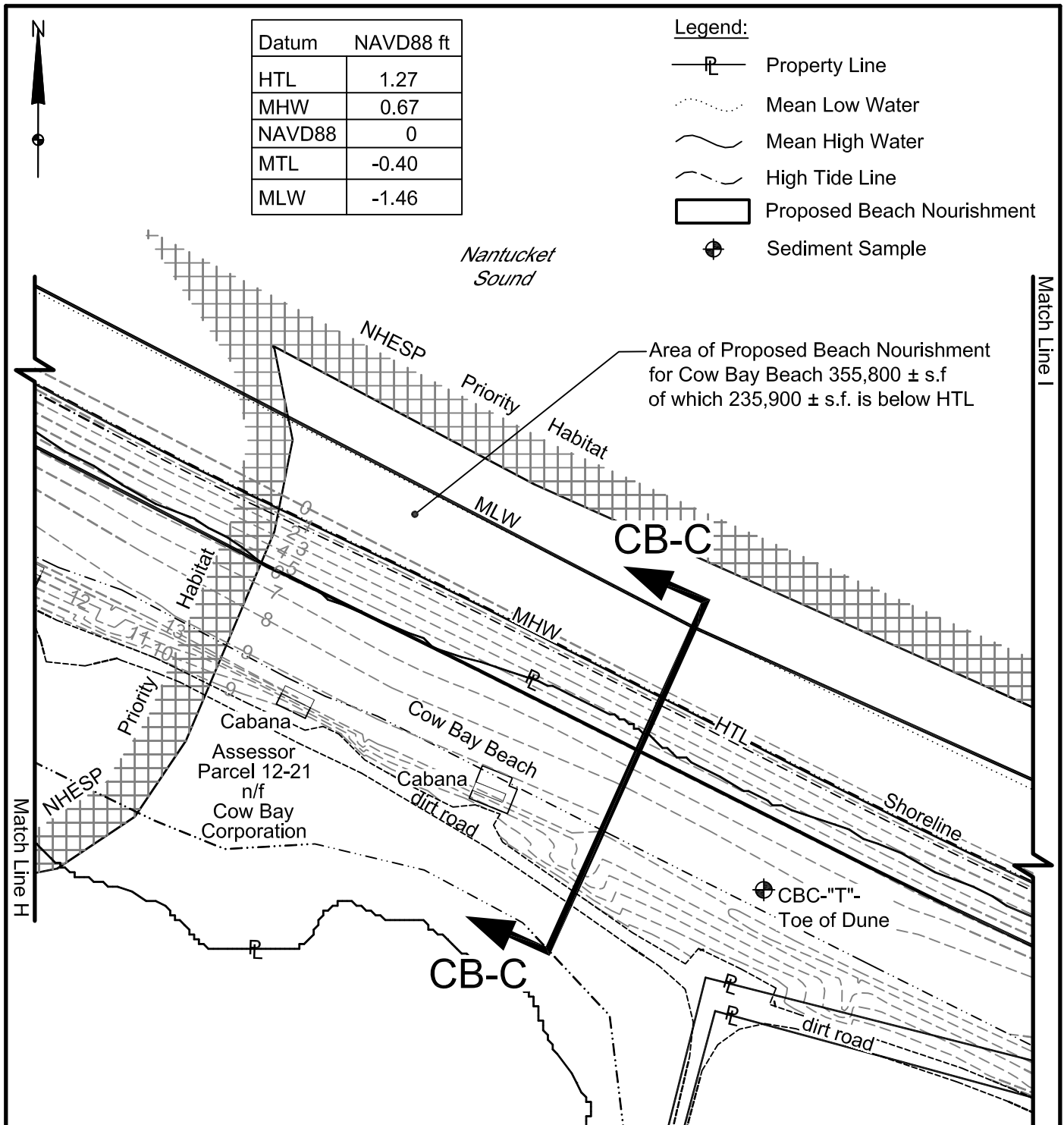
DATE: July, 2012

SHEET: 15 of 21



Typical Beach Nourishment Cross-Section CB-B



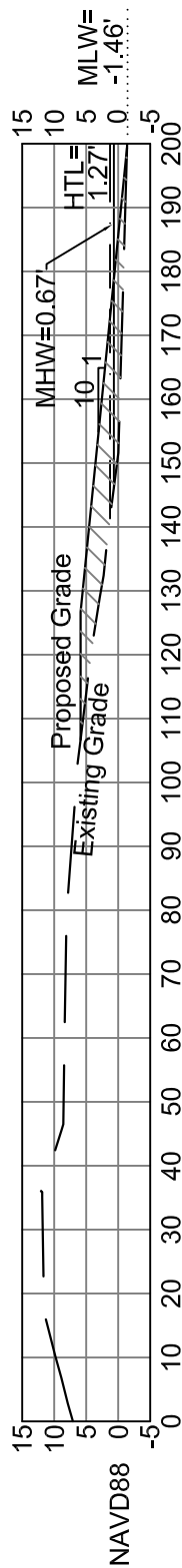


PLAN ACCOMPANYING PETITION OF:
 Town of Edgartown for
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 Sylvia State Beach,
 Dukes County, Edgartown and Oak Bluffs, MA

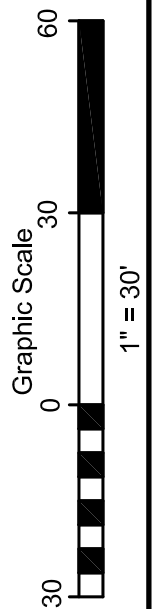
PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

SHEET: 17 of 21








Typical Beach Nourishment Cross-Section CB-C

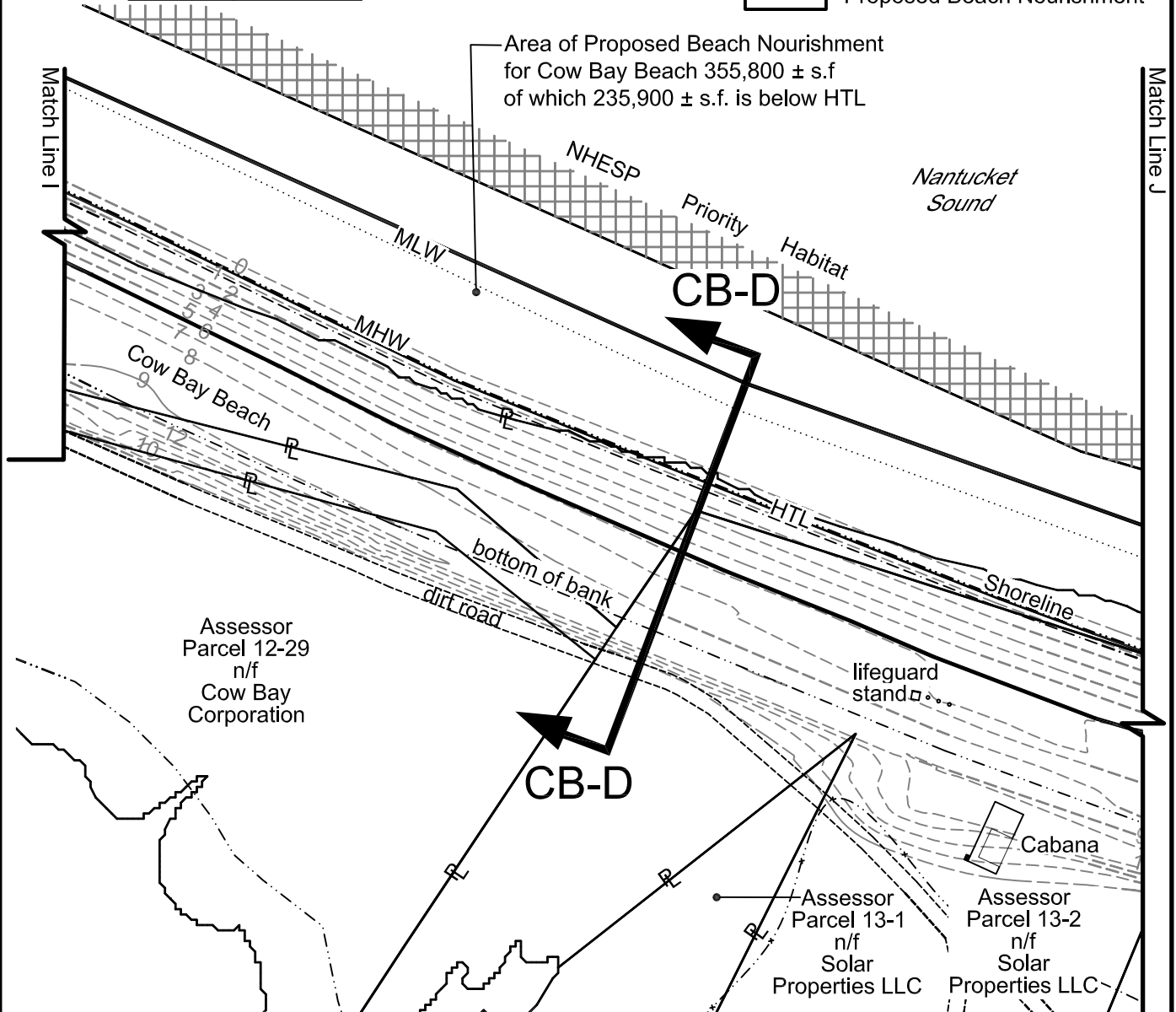




Datum	NAVD88 ft
HTL	1.27
MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

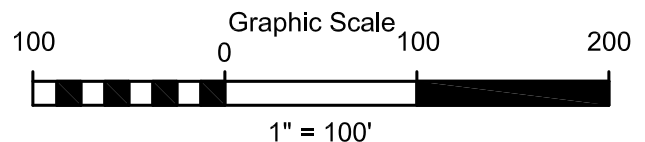
Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment



PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
Proposed Beach Nourishment for
Cow Bay Beach, Bend in the Road Beach and
Sylvia State Beach,
Dukes County, Edgartown and Oak Bluffs, MA

PLAN BY:



DATE: July, 2012

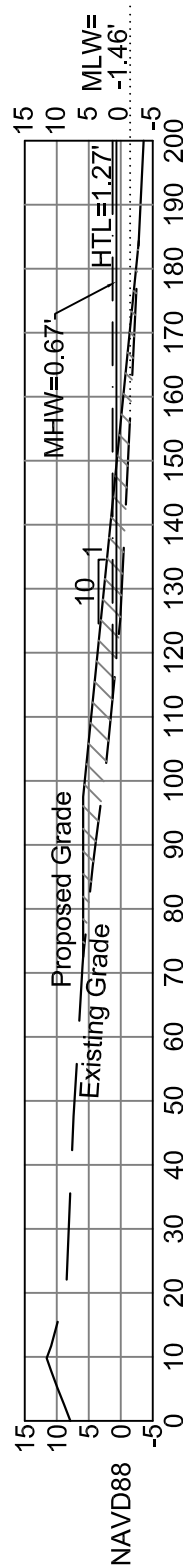
SHEET: 18 OF 21

PLAN ACCOMPANYING PETITION OF:
 Town of Edgartown for
 Proposed Beach Nourishment for
 Cow Bay Beach, Bend in the Road Beach and
 Sylvia State Beach,
 Dukes County, Edgartown and Oak Bluffs, MA

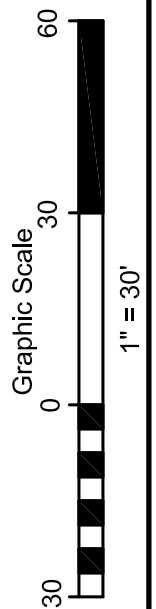
PLAN BY: **WOODS**
HOLEGROUP

DATE: July, 2012

SHEET: 19 of 21









Typical Beach Nourishment Cross-Section CB-D

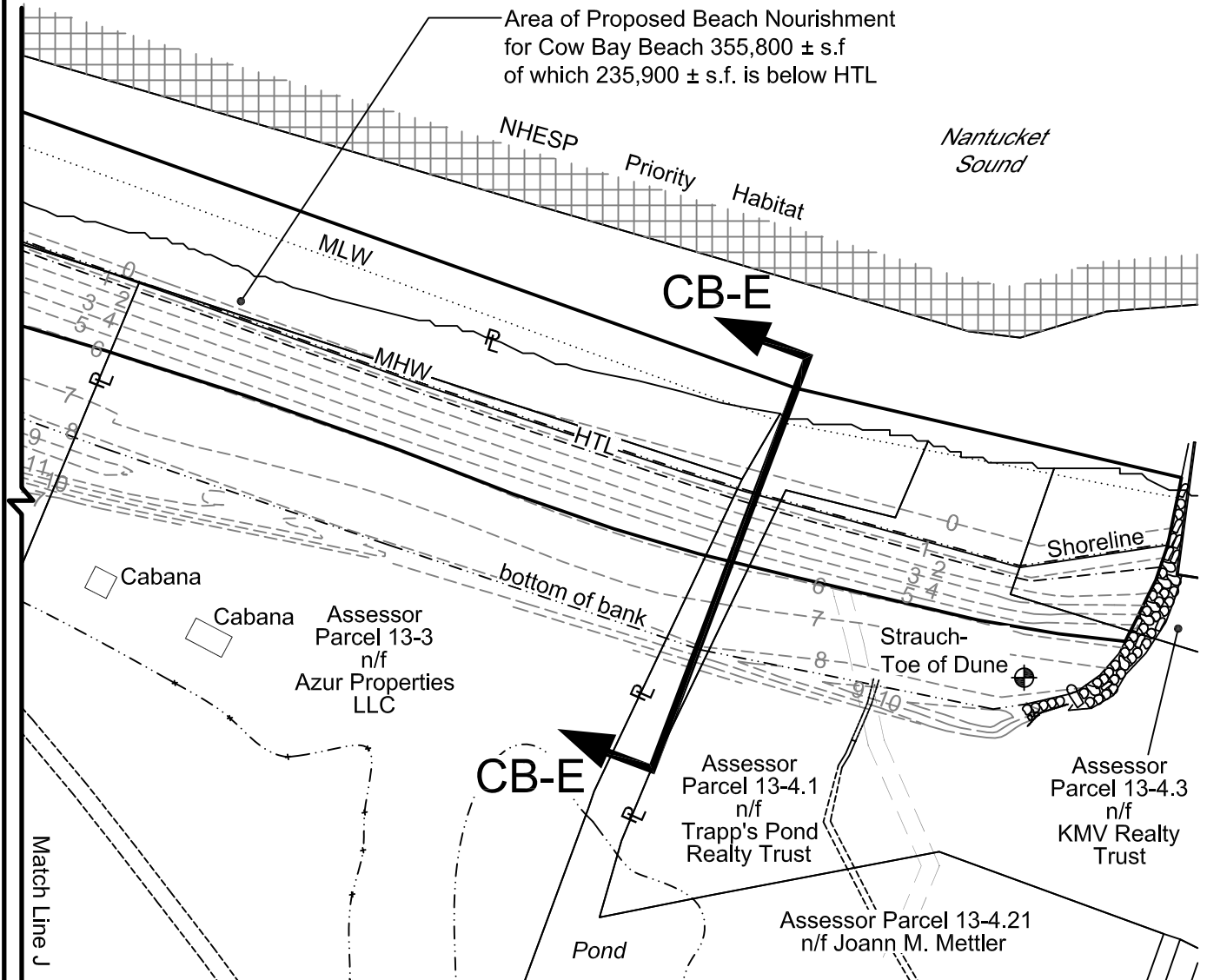




Datum	NAVD88 ft
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MHW	0.67
NAVD88	0
MTL	-0.40
MLW	-1.46

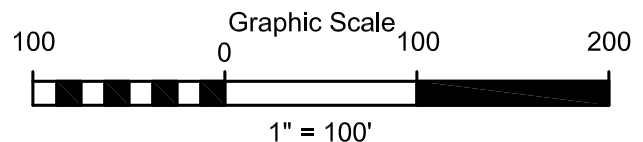
Legend:

-  Property Line
-  Mean Low Water
-  Mean High Water
-  High Tide Line
-  Proposed Beach Nourishment
-  Sediment Sample



PLAN ACCOMPANYING PETITION OF:
Town of Edgartown for
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Sylvia State Beach,
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PLAN BY: **WOODS**
HOLEGROUP



DATE: July, 2012

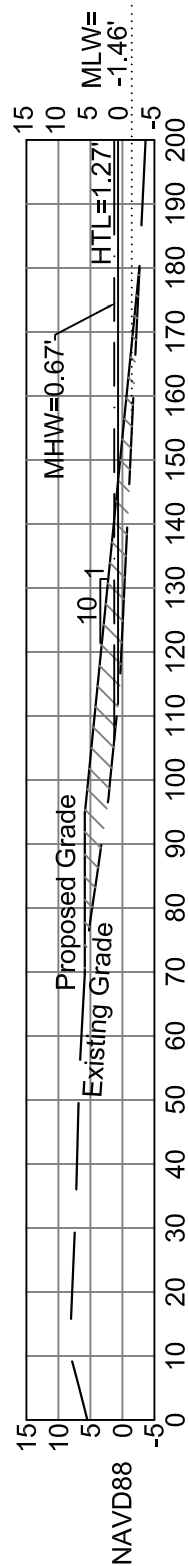
SHEET: 20 OF 21

PLAN ACCOMPANYING PETITION OF:
 Town of Edgartown for
 Proposed Beach Nourishment for
 Cow Bay Beach, Bend in the Road Beach and
 Sylvia State Beach,
 Dukes County, Edgartown and Oak Bluffs, MA

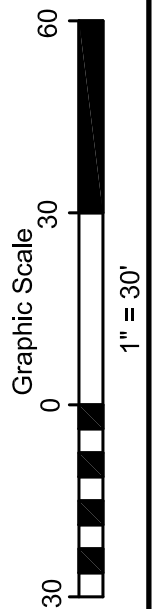
PLAN BY: **WOODS**
HOLEGROUP

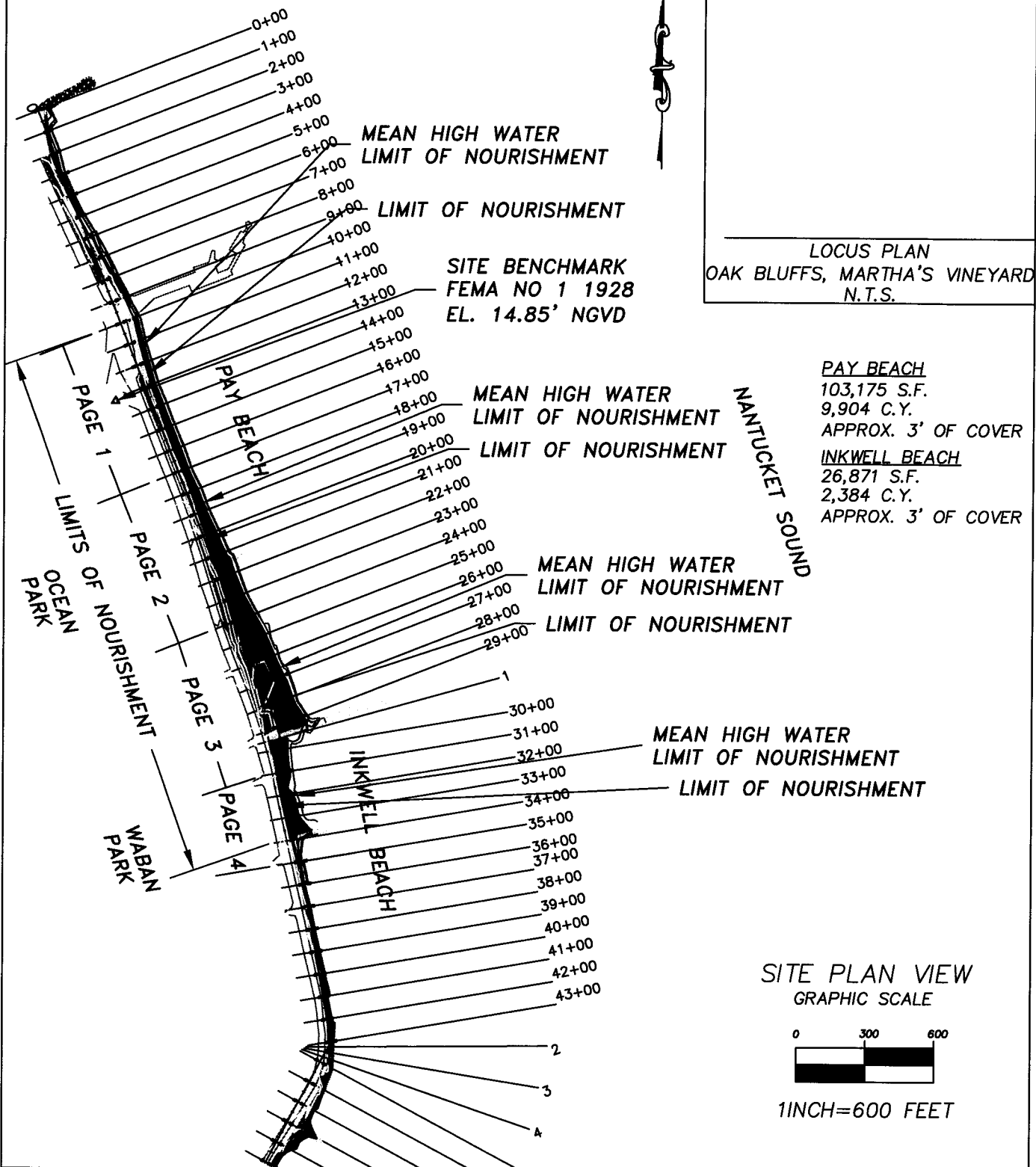
DATE: July, 2012

SHEET: 21 of 21



Typical Beach Nourishment Cross-Section CB-E



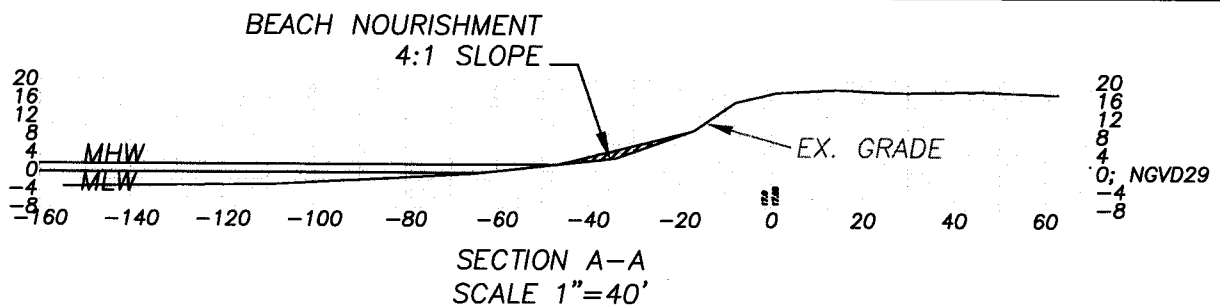
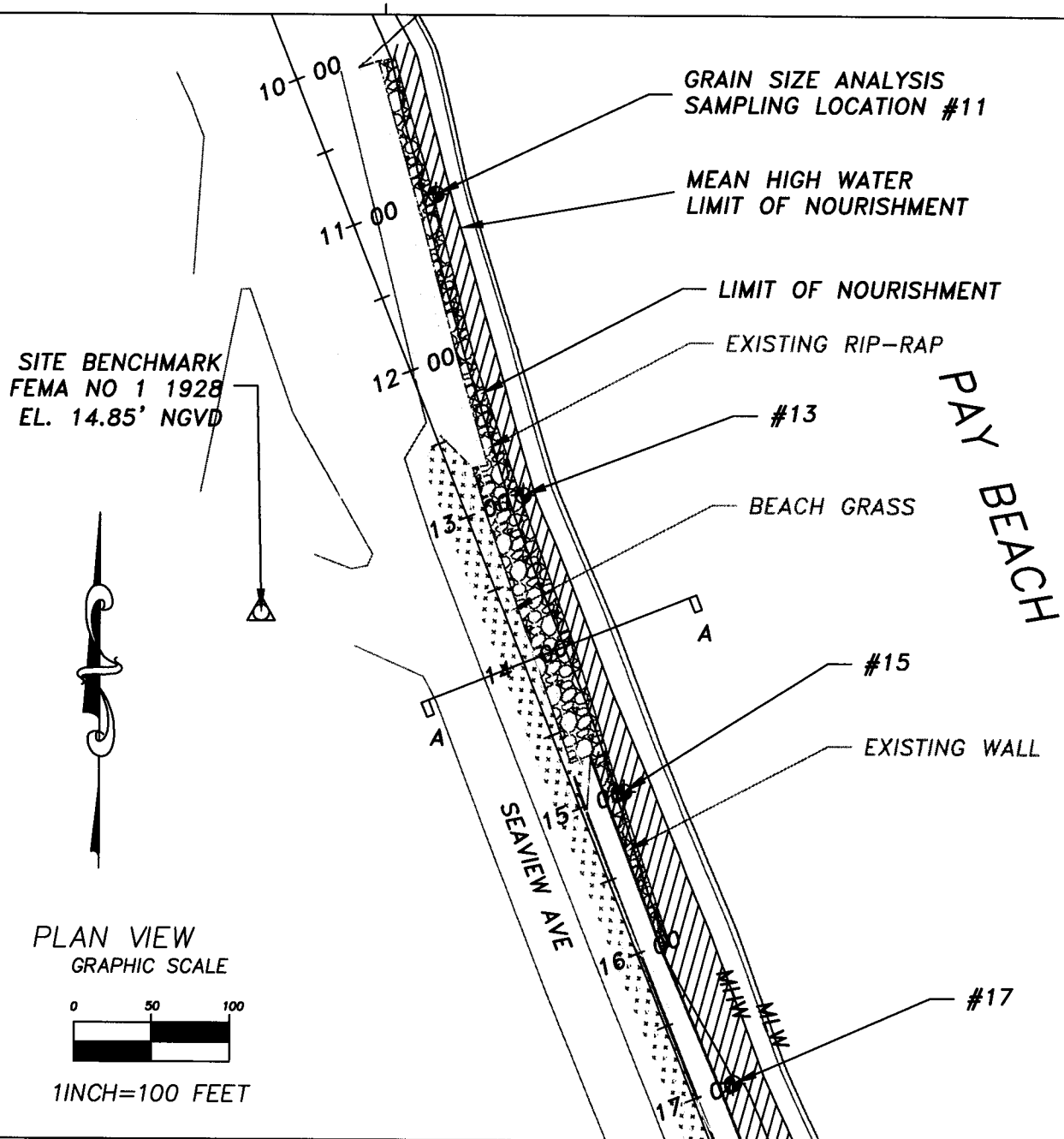


PLAN ACCOMPANYING PETITION OF:
TOWN OF OAK BLUFFS
P.O. BOX 1327
OAK BLUFFS, MA 02557

TO PERMIT BEACH NOURISHMENT

IN NANTUCKET SOUND, OAK BLUFFS, MA
DUKES COUNTY, MA

PAGE 1 OF 5 DATE 07/21/09

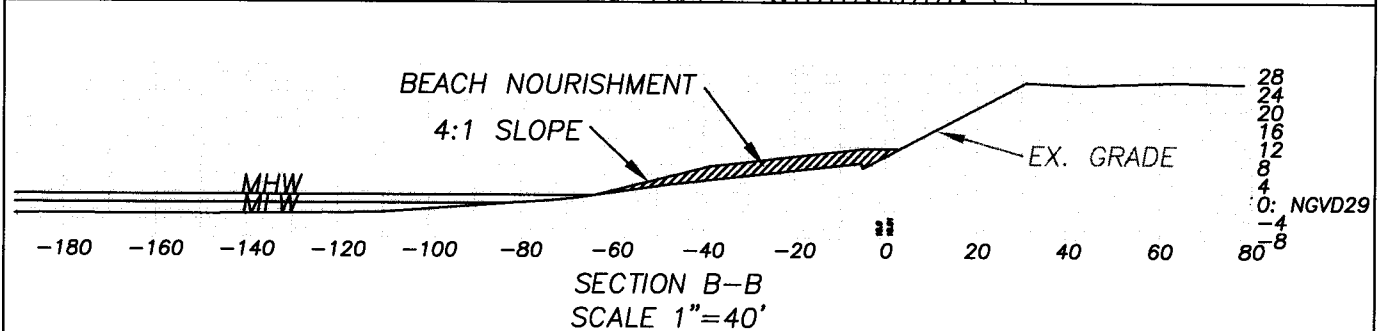
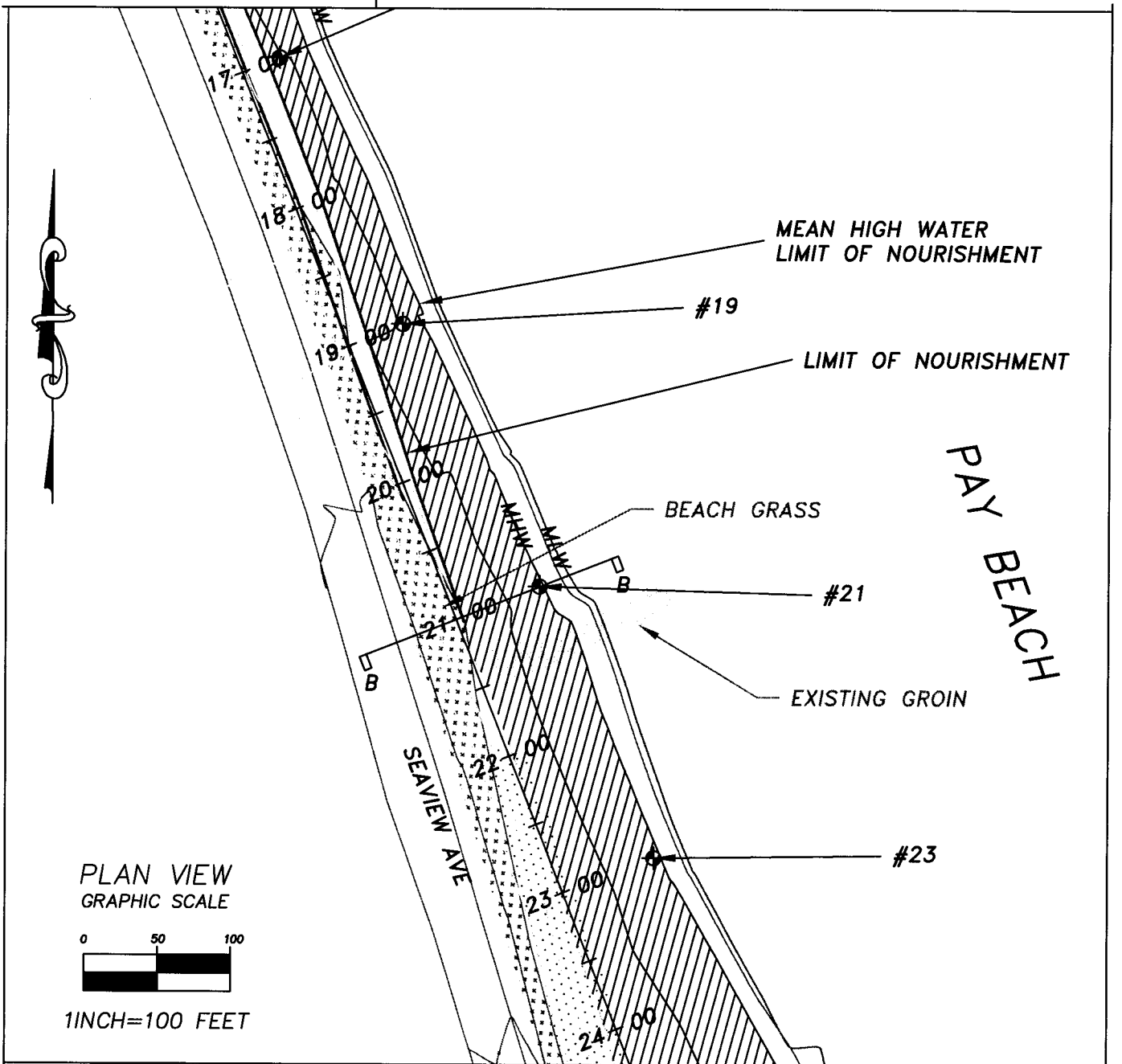


PAGE 2 OF 5 DATE 07/21/09

PLAN ACCOMPANYING PETITION OF:
TOWN OF OAK BLUFFS
P.O. BOX 1327
OAK BLUFFS, MA 02557

TO PERMIT BEACH NOURISHMENT

IN NANTUCKET SOUND, OAK BLUFFS, MA
DUKES COUNTY, MA

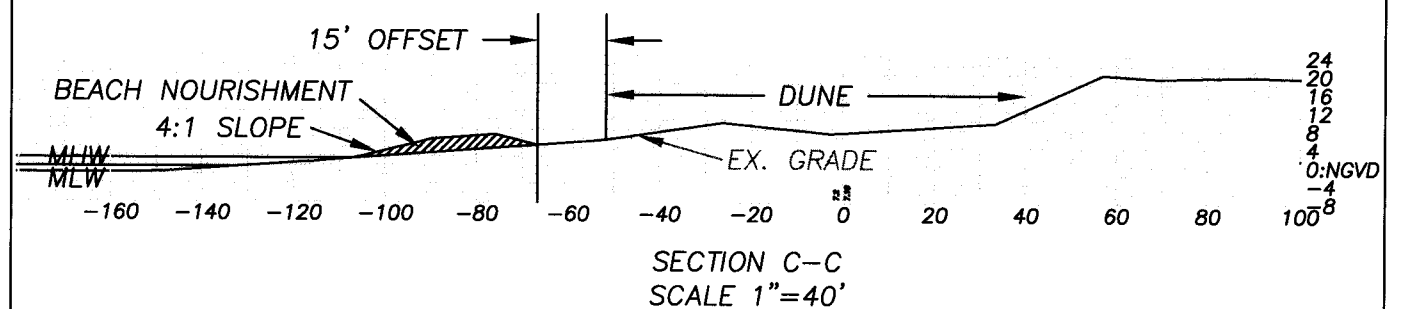
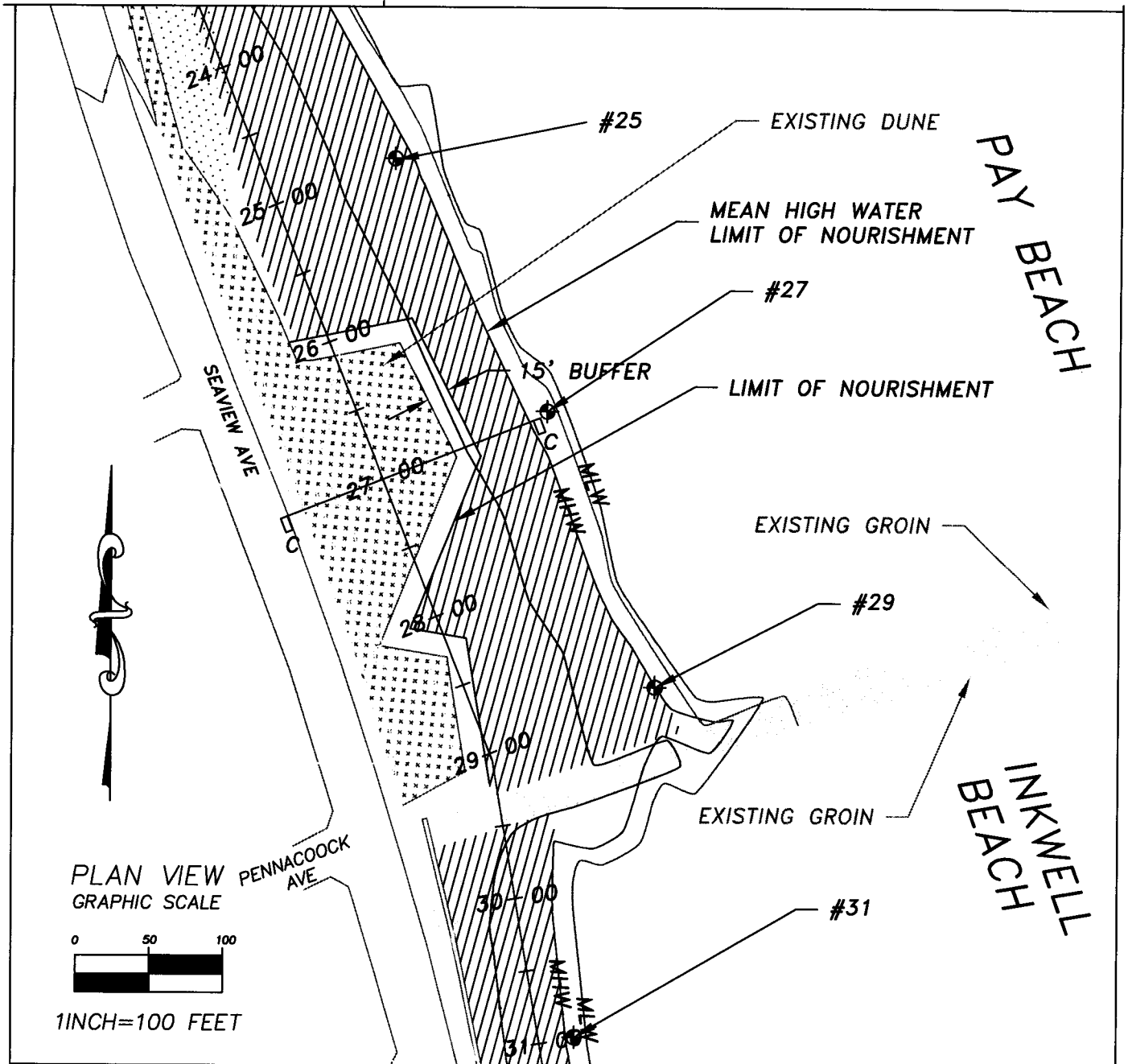


PLAN ACCOMPANYING PETITION OF:
TOWN OF OAK BLUFFS
P.O. BOX 1327
OAK BLUFFS, MA 02557

PAGE 3 OF 5 DATE 07/21/09

TO PERMIT BEACH NOURISHMENT

IN NANTUCKET SOUND, OAK BLUFFS, MA
DUKES COUNTY, MA

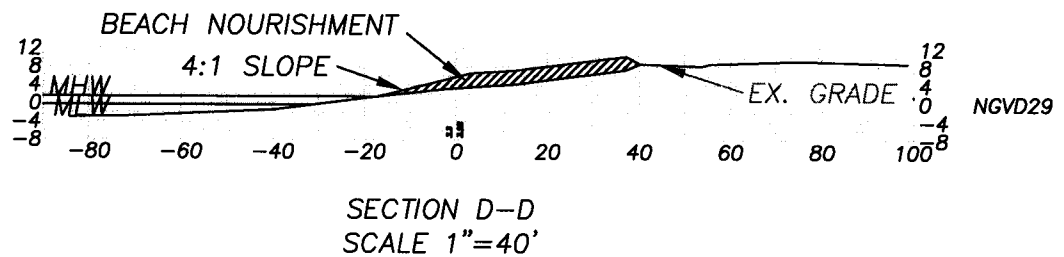
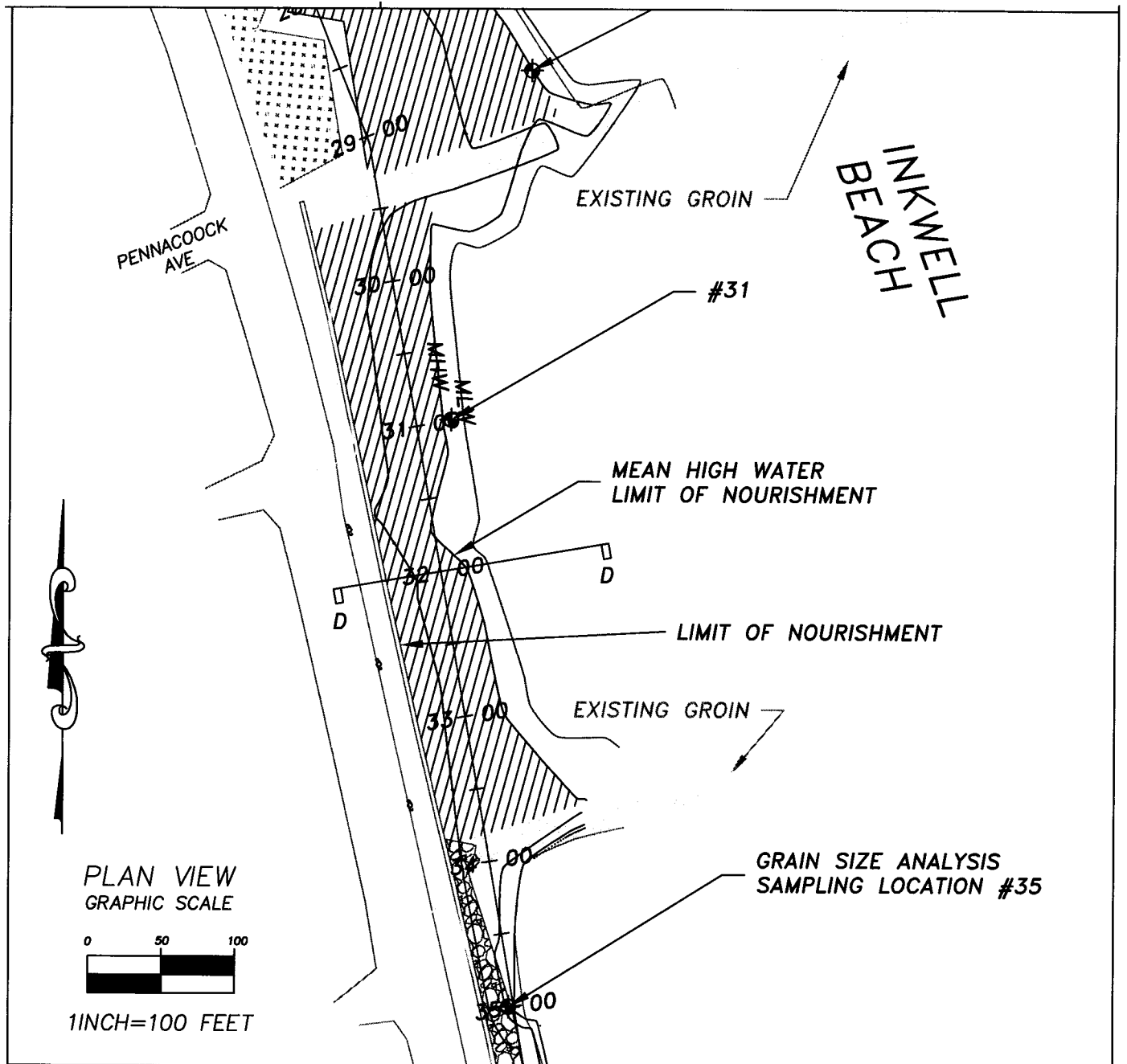


PLAN ACCOMPANYING PETITION OF:
TOWN OF OAK BLUFFS
P.O. BOX 1327
OAK BLUFFS, MA 02557

PAGE 4 OF 5 DATE 07/21/09

TO PERMIT BEACH NOURISHMENT

IN NANTUCKET SOUND, OAK BLUFFS, MA
DUKES COUNTY, MA



PLAN ACCOMPANYING PETITION OF:
TOWN OF OAK BLUFFS
P.O. BOX 1327
OAK BLUFFS, MA 02557

TO PERMIT BEACH NOURISHMENT

IN NANTUCKET SOUND, OAK BLUFFS, MA
DUKES COUNTY, MA

PAGE 5 OF 5 DATE 07/21/09



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