PUBLIC NOTICE

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

Comment Period Begins: April 25th, 2023
Comment Period Ends: May 25th, 2023
File Number: NAE-2010-145
In Reply Refer To: Charles Farris
Phone: (978) 318-8336
E-mail: Charles.n.farris@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from Gregg Fraser, Town of Falmouth. This work is proposed at various dredging footprints and beach nourishment sites in Buzzards Bay and Vineyard Sound in Falmouth, MA. The site coordinates are: Latitude 41.53456 ºN, Longitude 70.64165 ºW.

The work involves permitting the Comprehensive Permits for the Town of Falmouth's dredging and beach nourishment projects. It is a comprehensive effort to consolidate and manage thirty-one (31) dredging and beach nourishment sites required to maintain the Town's waterways, harbors, and salt ponds; twenty (20) existing dredging projects and eleven existing (11) beach nourishment projects. The overall proposed project includes:

- All sites that were included in the original Comprehensive Permits;
- All amendments that were added to the project over the last ten (10) years;
- Two (2) new maintenance dredge sites, which were previously authorized under separate permits; and
- The addition of one new beach nourishment site.

The work is shown on the enclosed plans entitled "Town of Falmouth Comprehensive Permit for Dredging and Beach Nourishment," on 45 sheets, and revised "February 28, 2022."

Maintenance dredging is proposed to be conducted at the following twenty (20) sites as represented in the project plans: Wild Harbor Outer Channel and Inner Harbor, Trunk River Outer Channel and Inner Channel, Salt Pond Channel, Fresh River Outer Channel and Inner Channel, Falmouth Harbor Entrance Channel, Little Pond Outer Channel and Inner Channel, Great Pond Outer Channel and Inner Channel, Green Pond Outer Channel and Inner Channel, Bourne's Pond Approach Channel, Inlet Channel, and Inner Channel, Eel River Approach and Inner Channel, and Waquoit Bay Outer Channel. These sites have previously received permits for dredging and the work is considered maintenance dredging.

Beach nourishment in association with the dredging projects is proposed to be conducted at the following eleven (11) sites: New Silver Beach, Surf Drive Beach, Clinton Ave. Beach, Falmouth Heights Beach, Bristol Beach, Inn Season Resorts Beach, Acapesket Improvement Association Beach, KFN Hillside Nominee Trust Beach (formerly Pyne Trustee Beach), Menauhant Beach, and Washburn Island. These sites have been used previously as beneficial reuse sites for dredged materials from Falmouth waterways. A new beach nourishment site is also proposed at Megansett Beach.

The dredging will be performed by hydraulic dredging. Most of the material is predominantly sand with sand grain fractions of 90%. Any material that is not predominantly sand will be placed in an upland location in Falmouth (the Town's permitted upland waste recycling facility).

No mitigation requirements are expected. The Corps will perform the required consultations under Section 7 of the Endangered Species Act and the Magnusson-Stevens for impacts to Endangered Species and Essential Fish Habitat respectively.

AUTHORITY

Permits are required pursuant to:

_x_ Section 10 of the Rivers and Harbors Act of 1899
_x_ Section 404 of the Clean Water Act
____ Section 103 of the Marine Protection, Research and Sanctuaries Act.
_x_ Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408)

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers, New England District (USACE), is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. The USACE will consider all comments received to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

The activities proposed herein will also require permission from the USACE pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a USACE federally authorized Civil Works project known as Falmouth Harbor. The proposed alteration involves dredging the channel, which has been partly shoaled to a depth of -10' MLW. The proposed alteration is located in the mouth of the Falmouth Harbor Entrance Channel, next to the jetty. A permit pursuant to Section 10/404 shall not be granted until the Section

408 permission is issued. Through this public notice we are soliciting information necessary to inform the USACE evaluation and review.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

The dredging portion of this project will impact approximately 821,805 SF of EFH. Habitat at this site can be described as shallow marine and estuarine water with sandy and fine-grained sediments. Loss of this habitat may adversely affect species that use these waters and substrate. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

The dredged material disposal is proposed for various beach nourishment locations in Falmouth. A small amount of the material will be disposed of at an upland location.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that little likelihood exists for the proposed work to impinge upon properties with cultural or Native American significance, or listed in, or eligible for listing in, the National Register of Historic Places. Therefore, no further consideration of the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, is necessary. This determination is based upon one or more of the following:

a. The permit area has been extensively modified by previous work.
b. The permit area has been recently created.
c. The proposed activity is of limited nature and scope.
d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.
e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s).

ENDANGERED SPECIES CONSULTATION

The USACE has reviewed the application for the potential impact on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect with the application of special conditions a listed species or their critical habitat. We are coordinating with the National Marine

Fisheries Service and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

The states of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable, the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

(x) Permit, license or assent from State.
(x) Permit from local wetland agency or conservation commission.
(x) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

To properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Charles Farris at (978) 318-8336, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The USACE holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS <u>NOT</u> AN AUTHORIZATION TO DO ANY WORK.

Paul Maniccia

Paul Maniccia

Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil.

Dredged Material Disposal Mitigation Discussion:

The alternatives considered in the dredged material disposal analysis fall into four general categories: beneficial use, upland disposal, confined disposal, and open-water disposal. The feasibility of disposal alternatives was analysed relative to the physical and chemical quality of the dredged material, the volume of material to be dredged, the availability of suitable disposal and beneficial use sites, and the cost of disposal. All of the material was either predominantly sand from high energy environments or fine-grained material not suitable for beach placement. The predominantly sandy material met the exclusionary criteria for the evaluation of dredged materials AND would be placed on the beach above the high tide line. For this reason, the material was not expected to be placed in jurisdictional waters of the US, making further sediment analysis unnecessary. All fine-grained material will be placed in an upland location and for this reason, the material was not expected to be placed in jurisdictional waters of the US, making further sediment analysis unnecessary.

Based on the characteristics of the dredged material, the suitable alternate disposal would be the placement of dredged materials at beach nourishments sites in town, constituting a beneficial use of the materials. This option represents the most feasible, practical, cost-effective and environmentally acceptable alternative for the placement of dredged materials from the proposed dredging.

Testing Information

For Section 404 Permits
Based in part on a review of historical data and a lack of potential sources of contaminants, it is our preliminary determination that the material is acceptable for placement at the designated beach nourishment locations.

Any permit issued for this project will include special conditions requiring best management practices when placing this material at the designated beach nourishment sites. There will also be a time of year restriction included as a special condition which prohibits dredging and placement operations during ecologically sensitive times of years. Time of year restrictions will be implemented between April 1 through August 31 to protect endangered shorebirds within the project footprint. The proposed dredge footprint is within Winter Flounder, Diadromous Fish, and Horseshoe Crab mapped habitat, therefore a time of restriction for dredging will be required between January 15 through June 30.

Summary Tables

Table 1. Falmouth Beach Nourishment Projects Summary.

Nourishment Sites	Total Area ($ft^{2)}$
Megansett Beach	6,900
New Silver Beach	8,000
Surf Drive Beach	66,280
Clinton Ave Beach	7,100
Falmouth Heights Beach	129,000
Bristol Beach	13,000
Inn Season Resorts Beach	22,600
Acapesket Improvement Association Beach	15,300
KFN Hillside Nominee Trust Beach	10,500
Menauhant Beach	75,100
Washburn Island	54,000
TOTAL	**407,780**

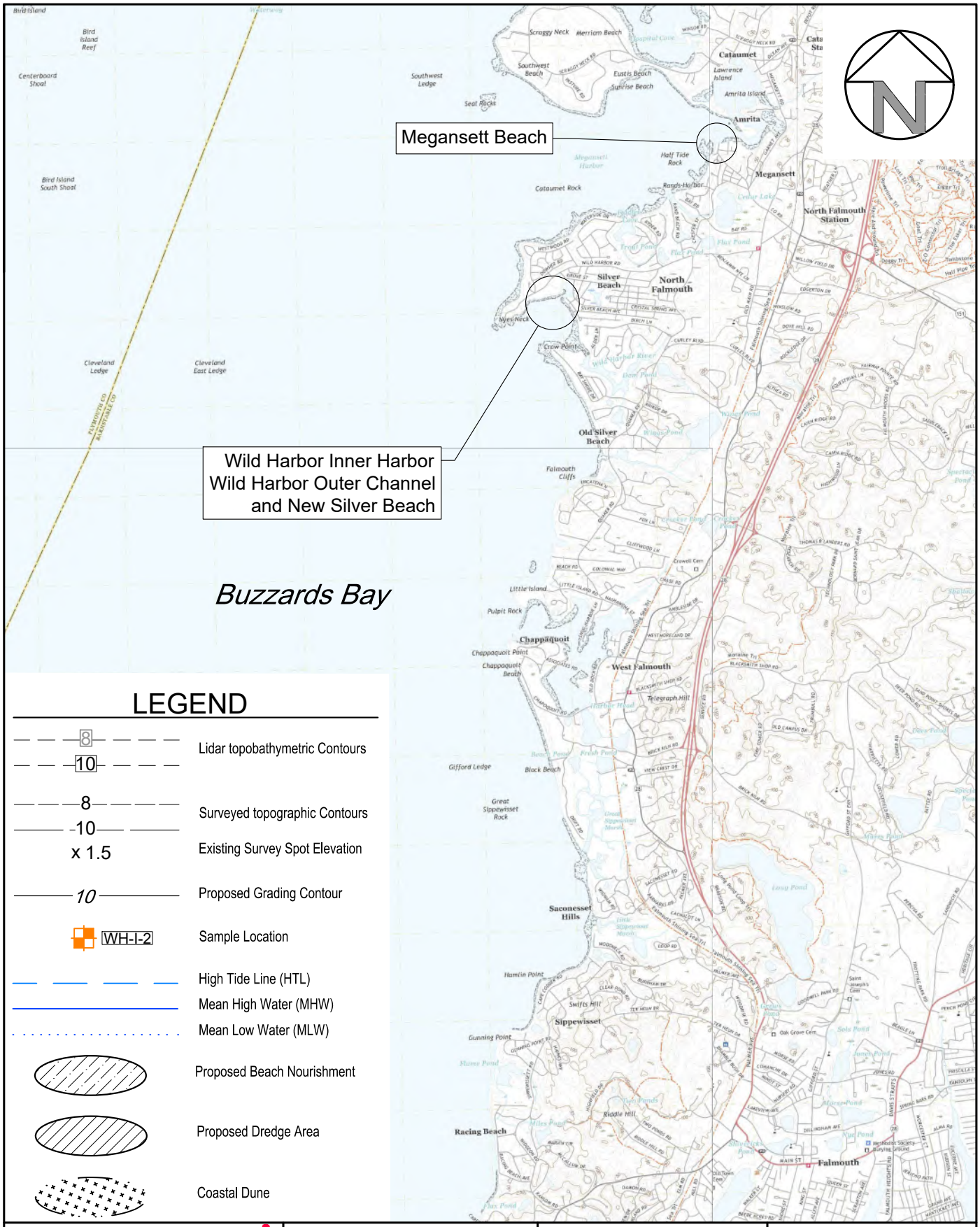
Table 2. Falmouth Dredging Projects Summary.

Dredging Sites	Approximate Total Area (ft^2)[1]	Annual Dredge Volume (yd^3)	Maximum 5-Yr Dredge Volume (yd^3)[2]	Maximum 10-Yr Dredge Volume (yd^3)[3]
Wild Harbor Outer Channel	41,920	1,500	7,500	15,000
Wild Harbor Inner Harbor	11,980	1,600	8,000	16,000
Trunk River Outer Channel	960	100/event or 400 (~4 events/yr)	2,000	4,000
Trunk River Inner Channel	18,124	2,020 (every 8-10 yrs)	2,020	2,020
Salt Pond Channel	1,800	100/event or 400 (~4 events/yr)	2,000	4,000
Fresh River Outer Channel	1,500	100/event or 400 (~4 events/yr)	2,000	4,000
Fresh River Inner Channel	33,600	900 (every 5 yrs)	900	1,800
Falmouth Harbor Entrance Channel	83,088	5,000	25,000	50,000
Little Pond Outer Channel	2,050	100	500	1,000
Little Pond Inner Channel	2,400	140	700	1,400
Great Pond Outer Channel	18,363	2,000	10,000	20,000
Great Pond Inner Channel	140,680	4,000 (every 5 yrs)	4,000	8,000
Green Pond Outer Channel	31,350	3,000	15,500	31,000
Green Pond Inner Channel	33,685	1,100	5,500	11,000
Bourne's Pond Approach Channel	48,409	2,000	10,000	20,000
Bourne’s Pond Inlet Channel	21,540	1,500	7,500	15,000
Bourne's Pond Inner Channel	52,320	4,000 (every 5-10 yrs)	4,000	8,000
Eel River Approach Channel	54,272	3,500	17,500	35,000

[1] Areas include dredge channel plus side slopes.
[2] Maximum potential dredge volume over lifetime of Permits issued for 5 years.
[3] Maximum potential dredge volume over lifetime of Permits issued for 10 years.

Eel River Inner Channel	107,374[4]	3,700	18,500	37,000
Waquoit Bay Outer Channel	116,390	1,200	6,000	12,000
Totals	**821,805**	**38,460**	**149,120**	**296,220**

[4] Includes 0.12 acres of impact above MLW



LEGEND

8 / 10	Lidar topobathymetric Contours
8 / 10	Surveyed topographic Contours
x 1.5	Existing Survey Spot Elevation
10	Proposed Grading Contour
WH-I-2	Sample Location
	High Tide Line (HTL)
	Mean High Water (MHW)
	Mean Low Water (MLW)
	Proposed Beach Nourishment
	Proposed Dredge Area
	Coastal Dune

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Town of Falmouth Comprehensive Permit for Dredging & Beach Nourishment
Locus Maps - Buzzards Bay

APPLICATION BY:
TOWN OF FALMOUTH

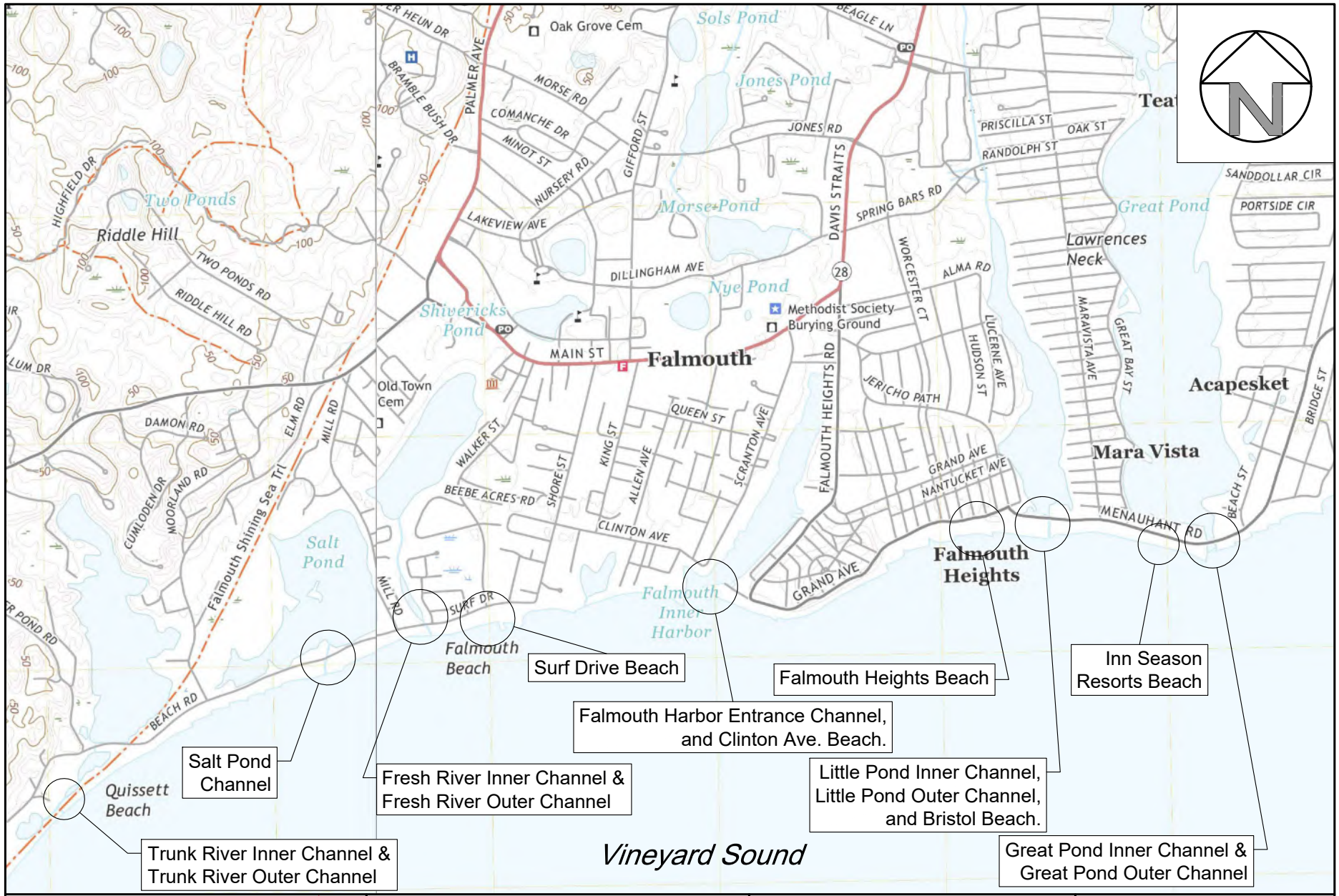
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 1 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

LOCUS MAPS.DWG



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Town of Falmouth Comprehensive Permit for Dredging & Beach Nourishment
Locus Maps
Vineyard Sound West

APPLICATION BY:
TOWN OF FALMOUTH

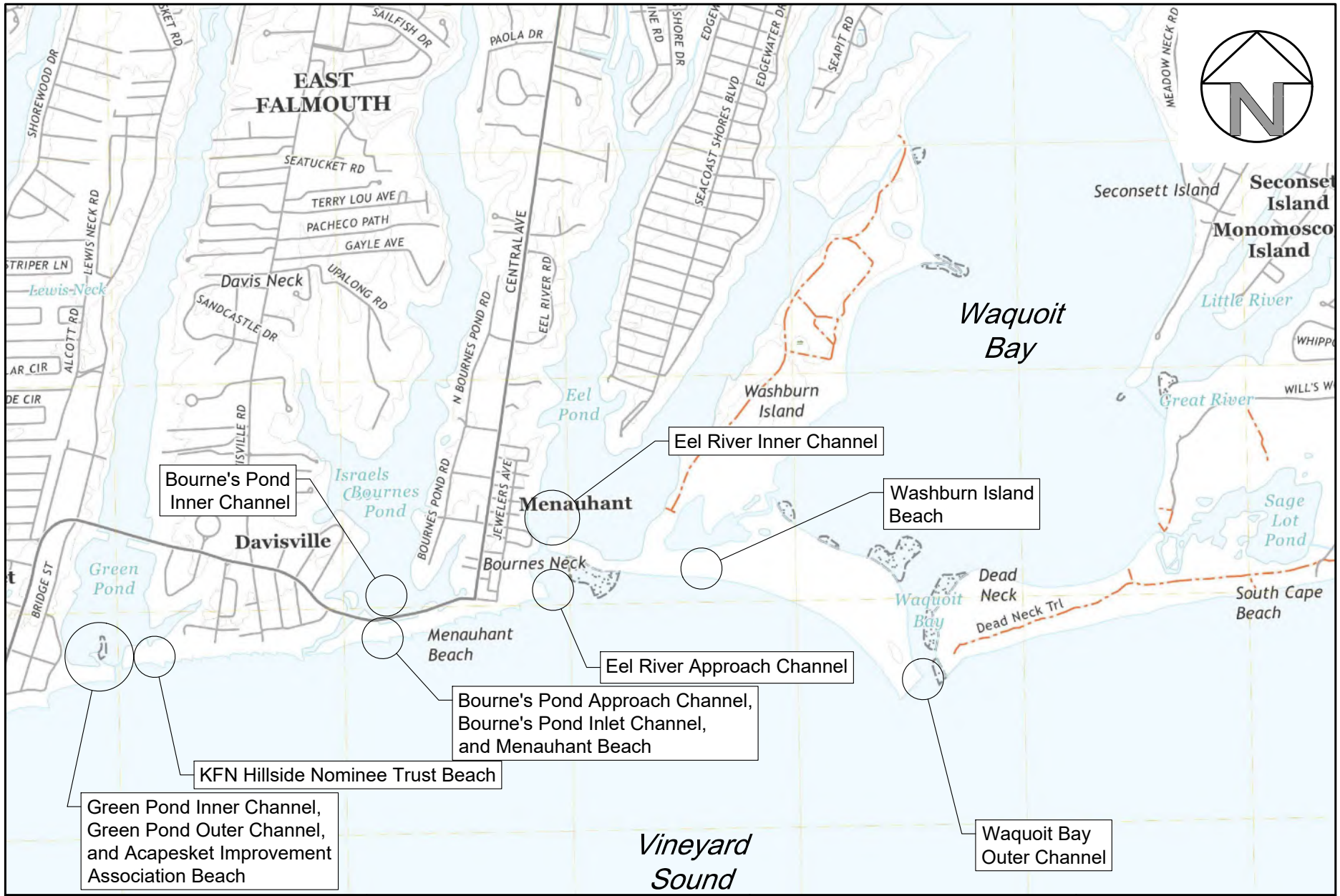
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 2 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

LOCUS MAPS.DWG



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Town of Falmouth Comprehensive Permit for Dredging & Beach Nourishment
Locus Maps
Vineyard Sound East

APPLICATION BY:
TOWN OF FALMOUTH

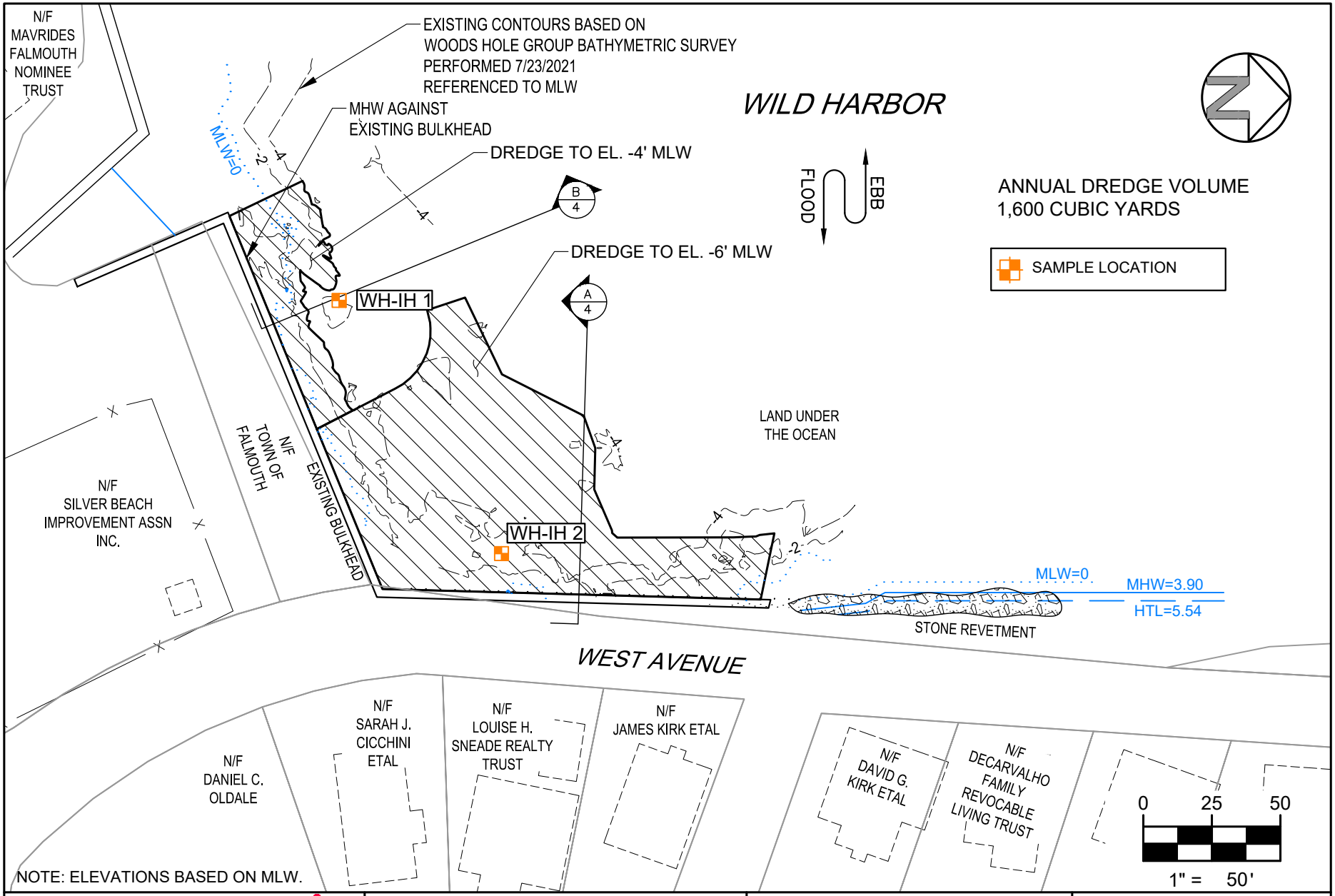
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 3 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

LOCUS MAPS.DWG



NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Wild Harbor - Inner Harbor Dredging

APPLICATION BY:
TOWN OF FALMOUTH

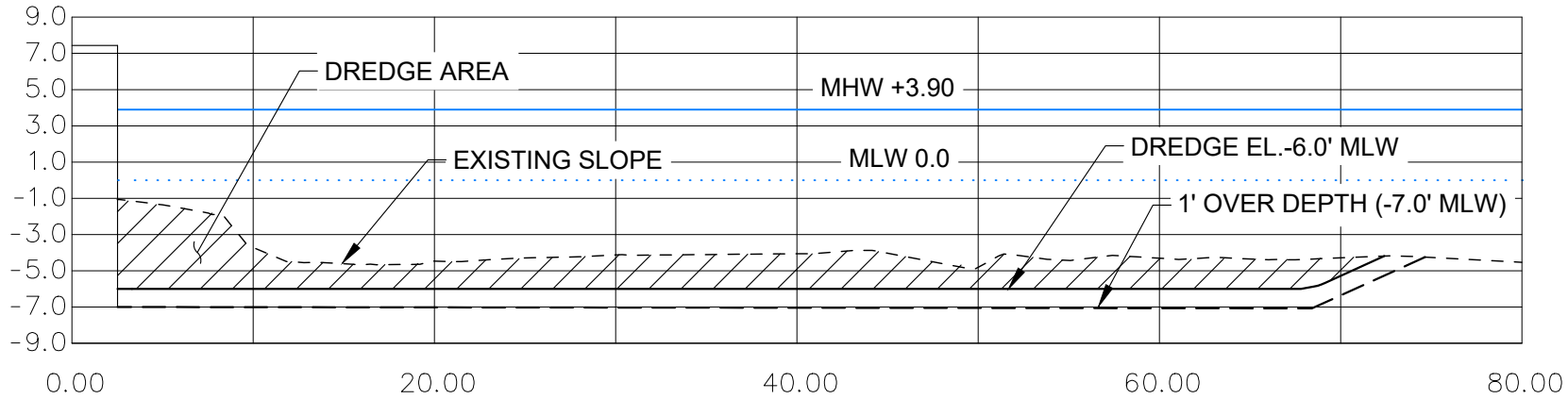
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 4 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

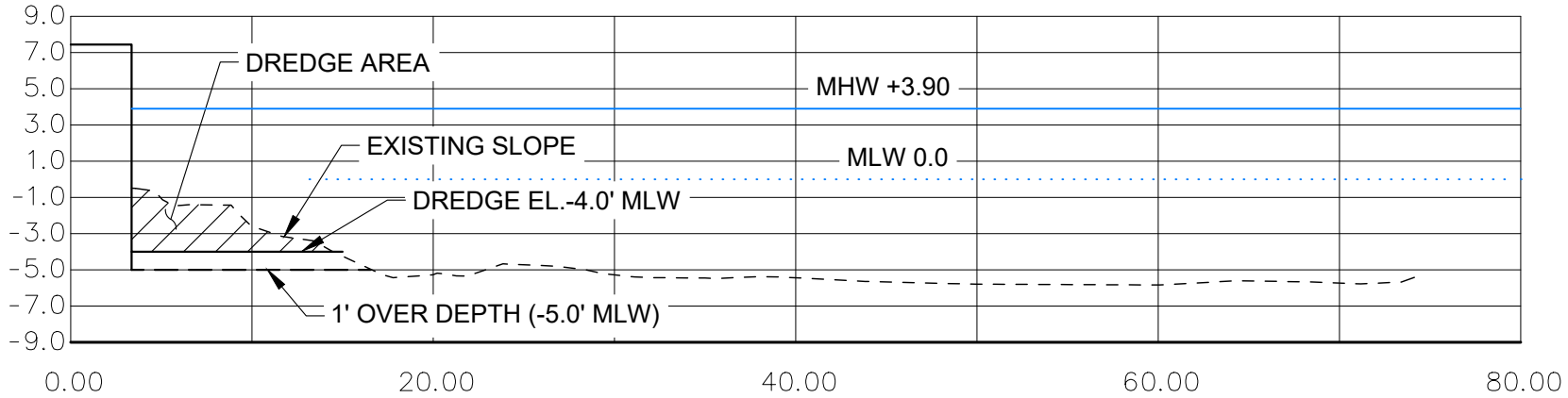
WILD HARBOR INNER_2021.DWG



A
4

DREDGE PROFILE

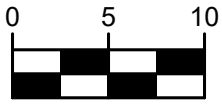
SCALE:1" = 10'



B
4

DREDGE PROFILE

SCALE:1" = 10'



1" = 10'

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Wild Harbor - Inner Harbor
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

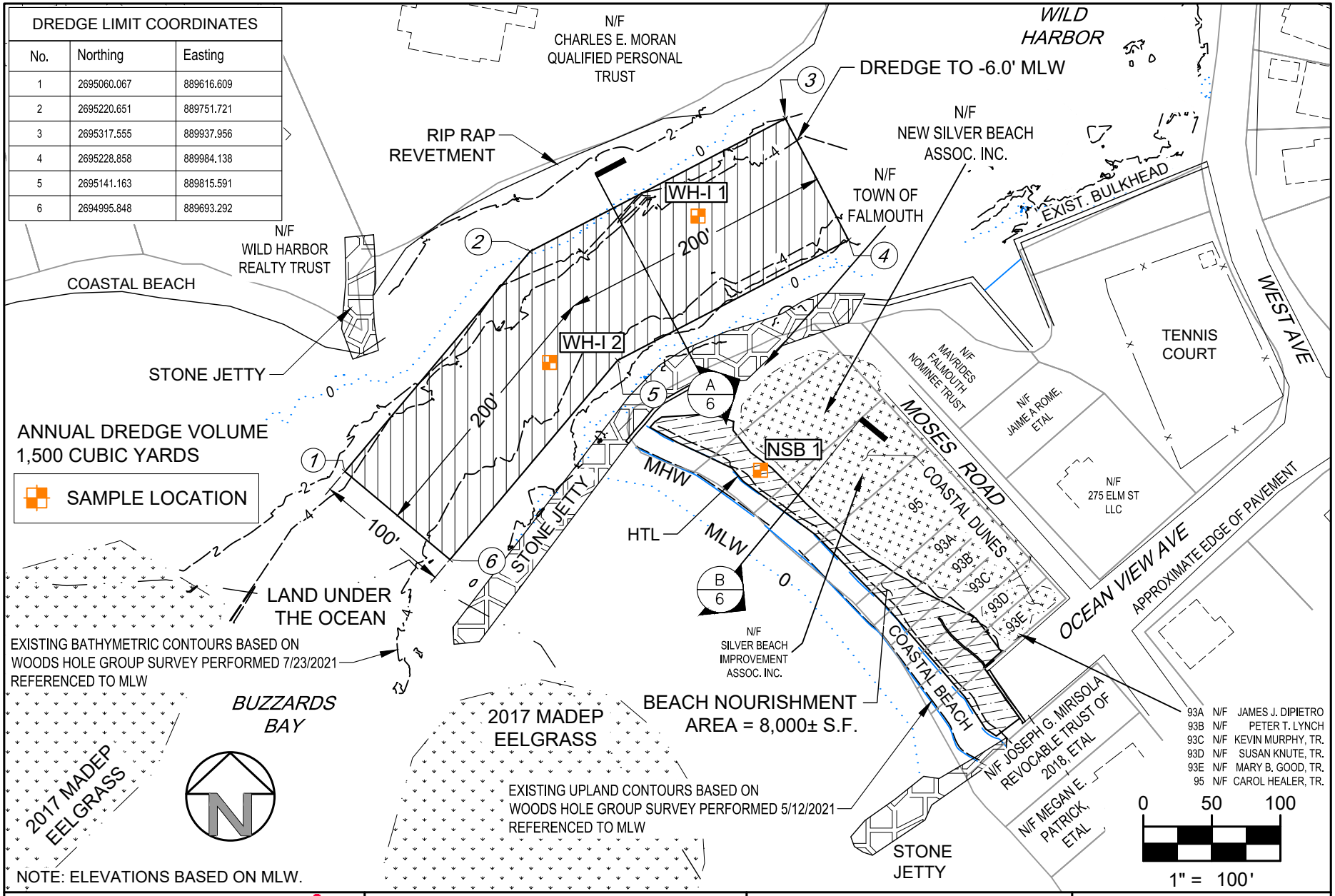
SHEET 5 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

WILD HARBOR INNER_2021.DWG

DREDGE LIMIT COORDINATES		
No.	Northing	Easting
1	2695060.067	889616.609
2	2695220.651	889751.721
3	2695317.555	889937.956
4	2695228.858	889984.138
5	2695141.163	889815.591
6	2694995.848	889693.292



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Wild Harbor - Outer Channel
Dredging & New Silver Beach Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

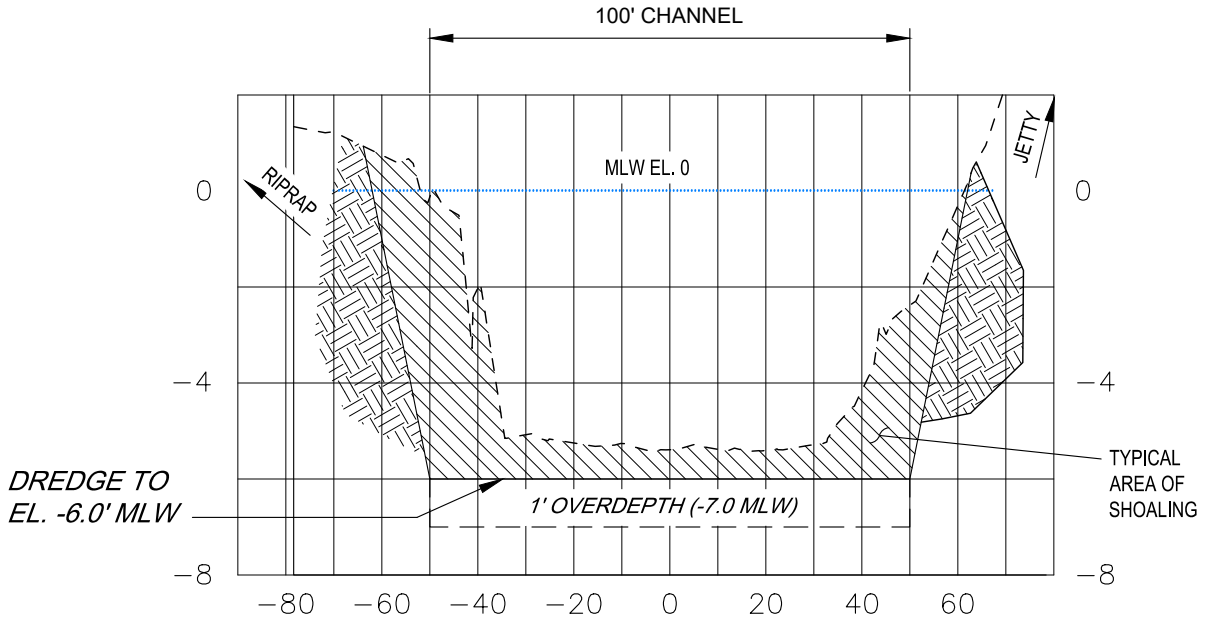
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 6 OF 45

DATE: 01/10/2022

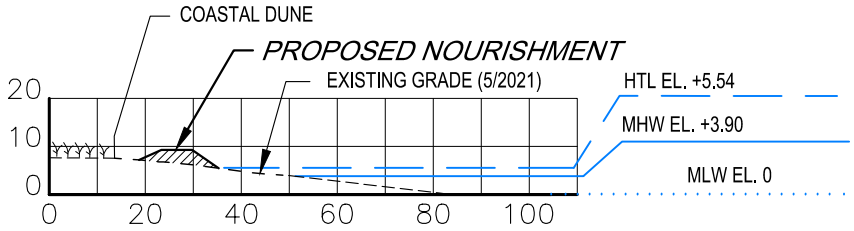
REVISED: 02/28/2022

WILD HARBOR OUTER_2021.DWG



A/6 TYPICAL DREDGE SECTION

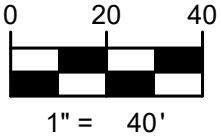
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'



B/6 TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 40'

NOTE:
ELEVATIONS BASED ON MLW.



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Wild Harbor Outer Channel
& New Silver Beach
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 7 OF 45

DATE: 01/10/2022

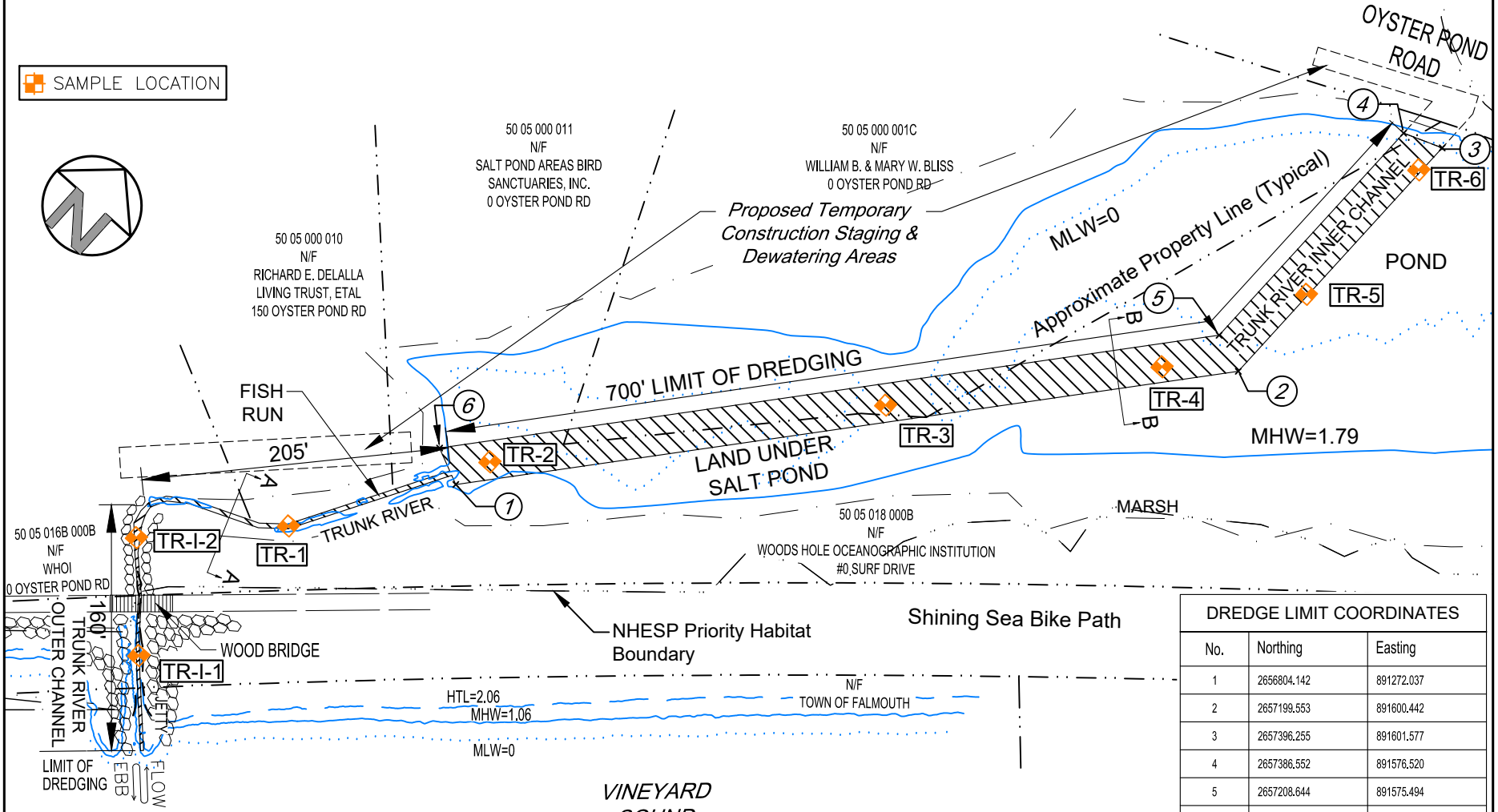
REVISED: 02/28/2022

WILD HARBOR OUTER_2021.DWG

OUTER CHANNEL ANNUAL DREDGE VOLUME
400 CUBIC YARDS
(100 CUBIC YARDS/EVENT X ~4 EVENTS/YR)

INNER CHANNEL ANNUAL DREDGE VOLUME
2,020 CUBIC YARDS EVERY 8-10 YEARS

Graphic Scale
0 50 100
1" = 100'



NOTE: ELEVATIONS BASED ON MLW.

DREDGE LIMIT COORDINATES

No.	Northing	Easting
1	2656804.142	891272.037
2	2657199.553	891600.442
3	2657396.255	891601.577
4	2657386.552	891576.520
5	2657208.644	891575.494
6	2656814.681	891248.292

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Trunk River Inner Channel
& Outer Channel
Dredging

APPLICATION BY:
TOWN OF FALMOUTH

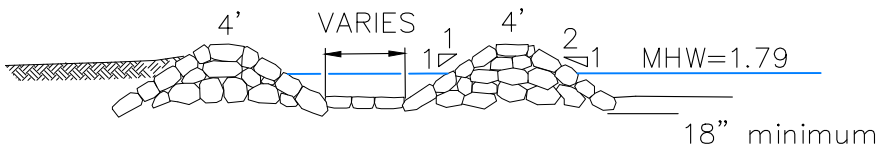
TOWN: FALMOUTH
COUNTY: Barnstable
STATE: MA

SHEET 8 OF 45

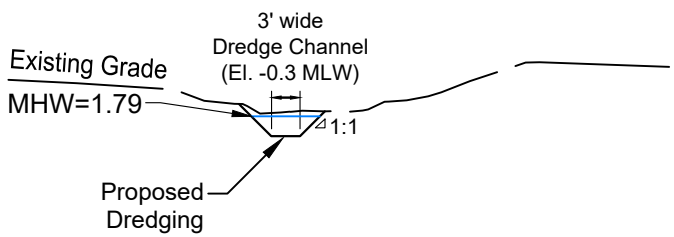
DATE: 01/10/2022

REVISED: 02/28/2022

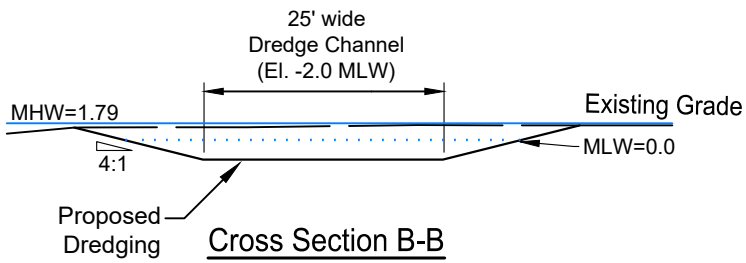
TRUNK RIVER_2021.DWG



SECTION AT JETTIES
SCALE NONE

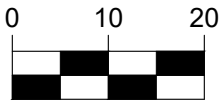


Cross Section A-A
Scale: 1" = 20'



Cross Section B-B
Scale: 1" = 20'

Graphic Scale



1" = 20'

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Trunk River Inner Channel
& Outer Channel
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

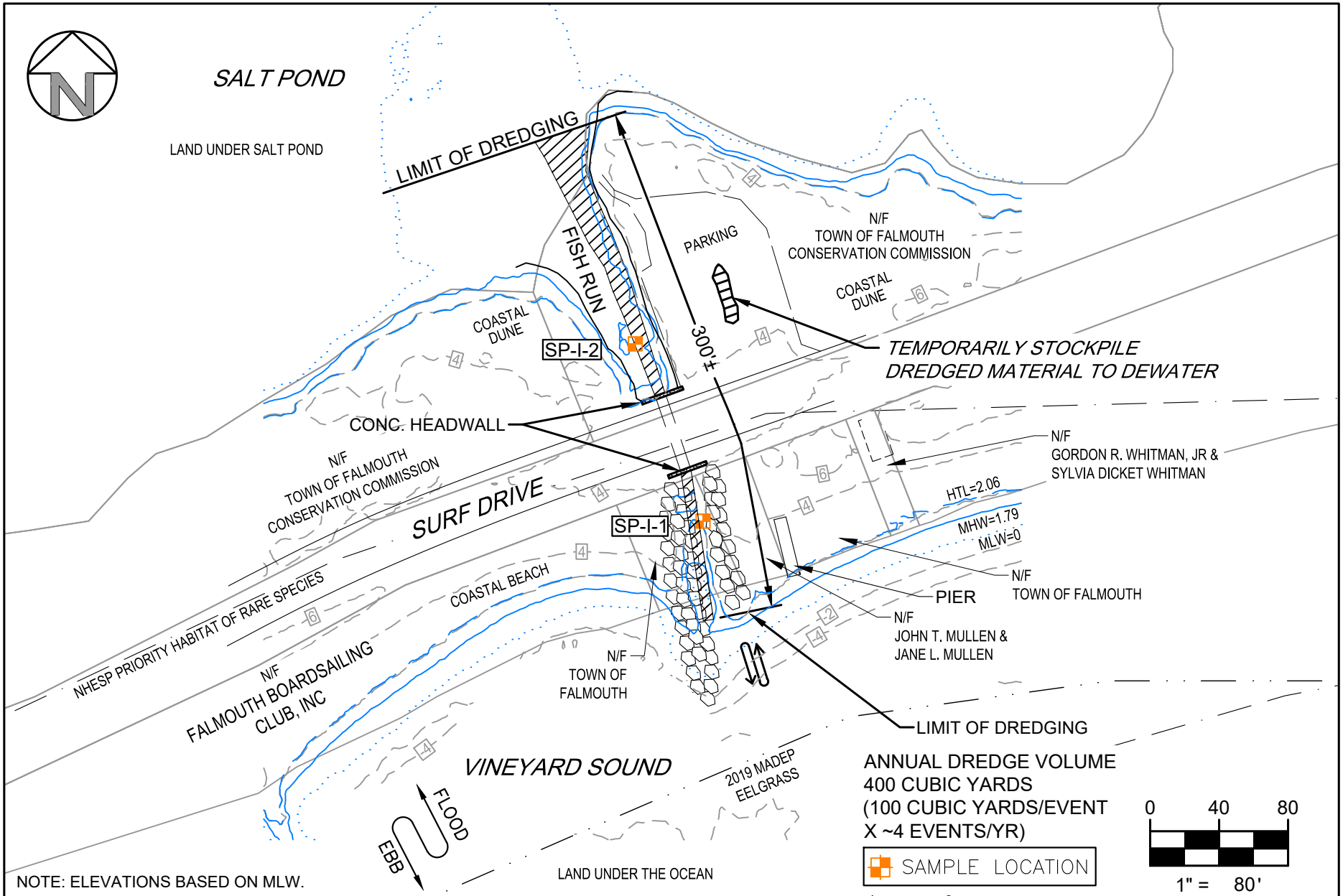
TOWN: FALMOUTH
COUNTY: Barnstable
STATE: MA

SHEET 9 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

TRUNK RIVER_2021.DWG



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Salt Pond
Channel Dredging

APPLICATION BY:
TOWN OF FALMOUTH

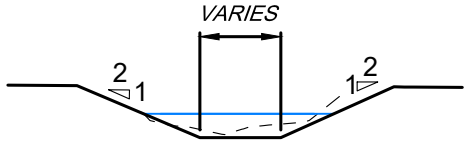
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 10 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

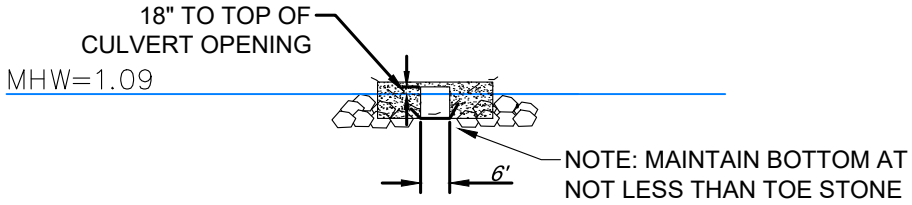
SALT POND_2021.DWG



NOTE: MAINTAIN BOTTOM AT NOT LESS THAN INVERT OF CULVERT

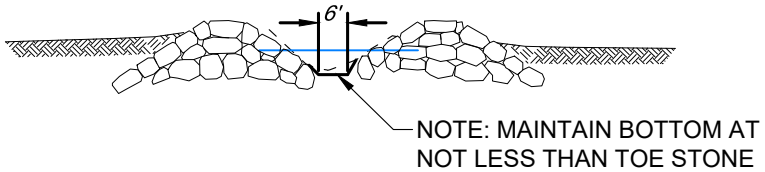
SECTION AT CHANNEL

SCALE: NONE



SECTION AT HEADWALL

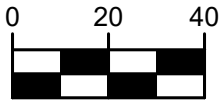
SCALE: NONE



SECTION AT JETTIES

SCALE: NONE

NOTE:
ELEVATIONS BASED ON MLW.



1" = 40'

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Salt Pond Channel
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

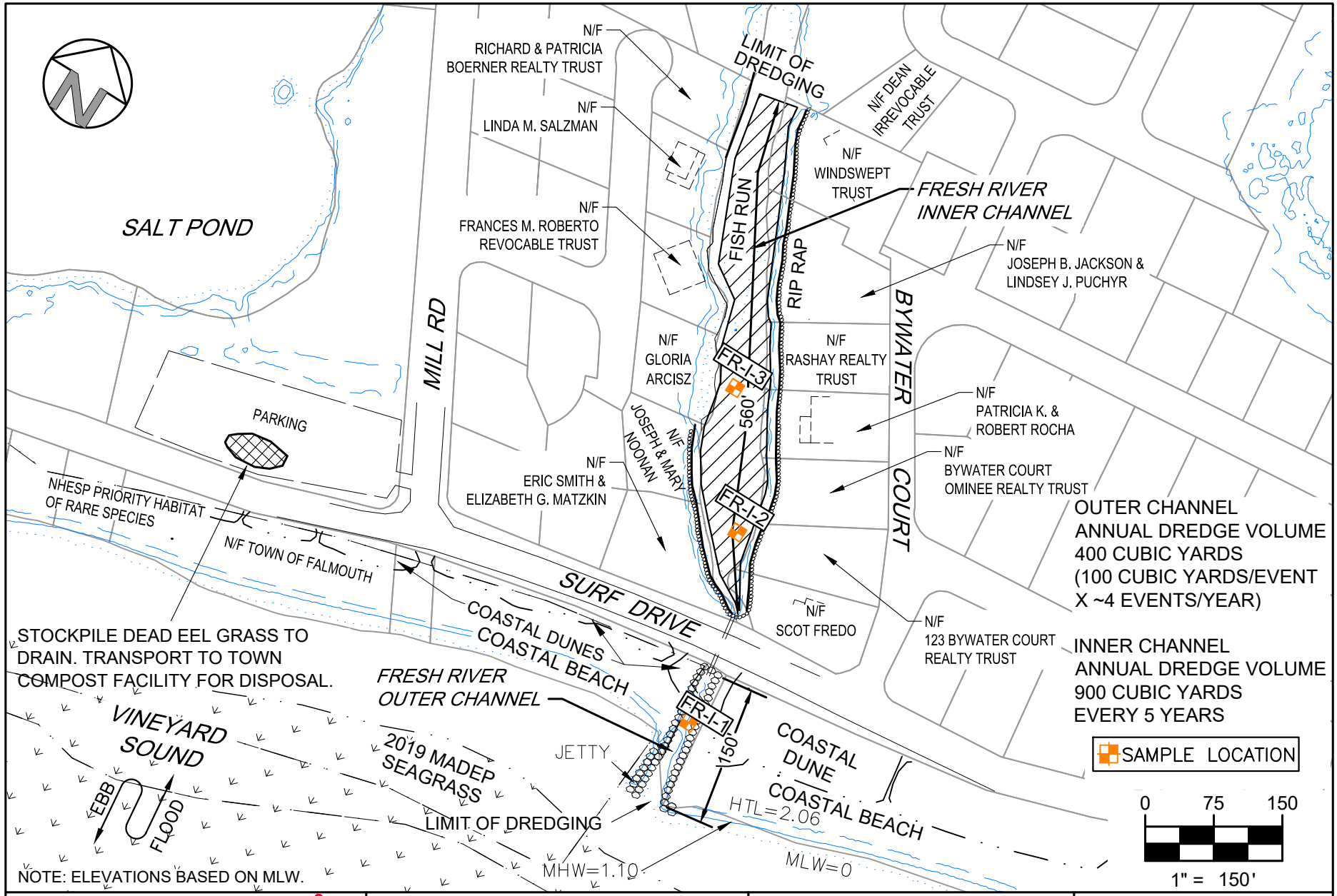
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 11 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

SALT POND_2021.DWG



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Fresh River Inner Channel
& Outer Channel
Dredging

APPLICATION BY:
TOWN OF FALMOUTH

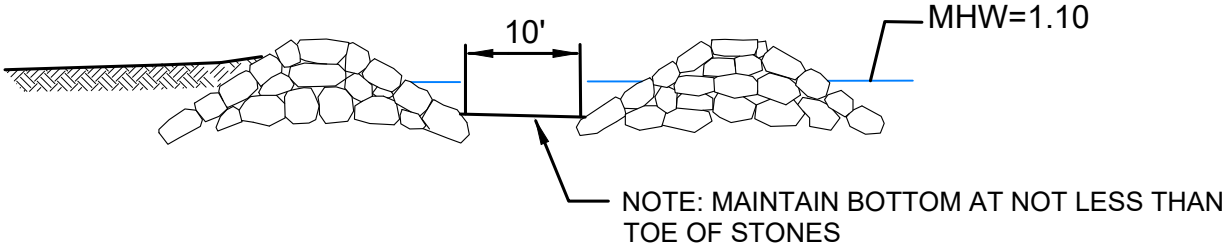
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 12 OF 45

DATE: 01/10/2022

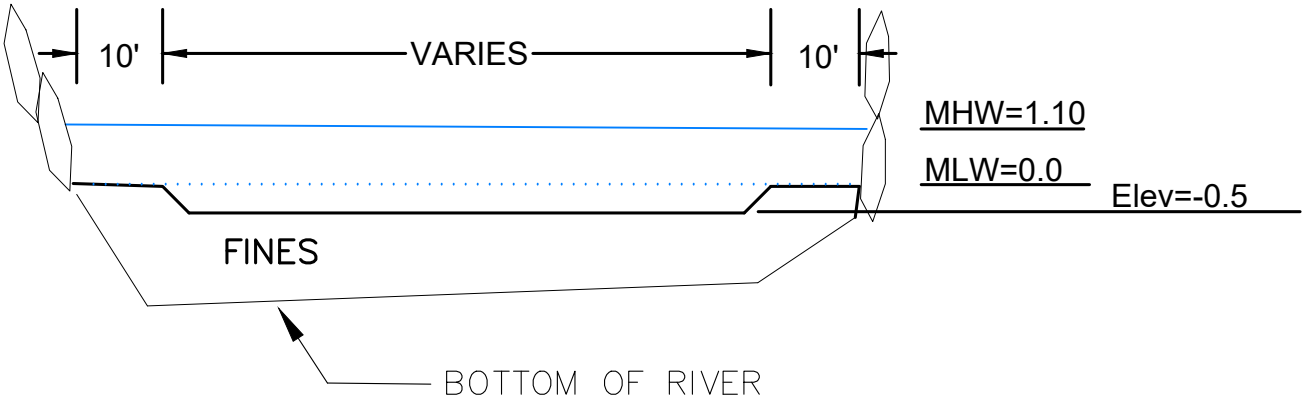
REVISED: 02/28/2022

FRESH RIVER_2021.DWG



OUTER CHANNEL TYPICAL SECTION

NOT TO SCALE



INNER CHANNEL TYPICAL SECTION

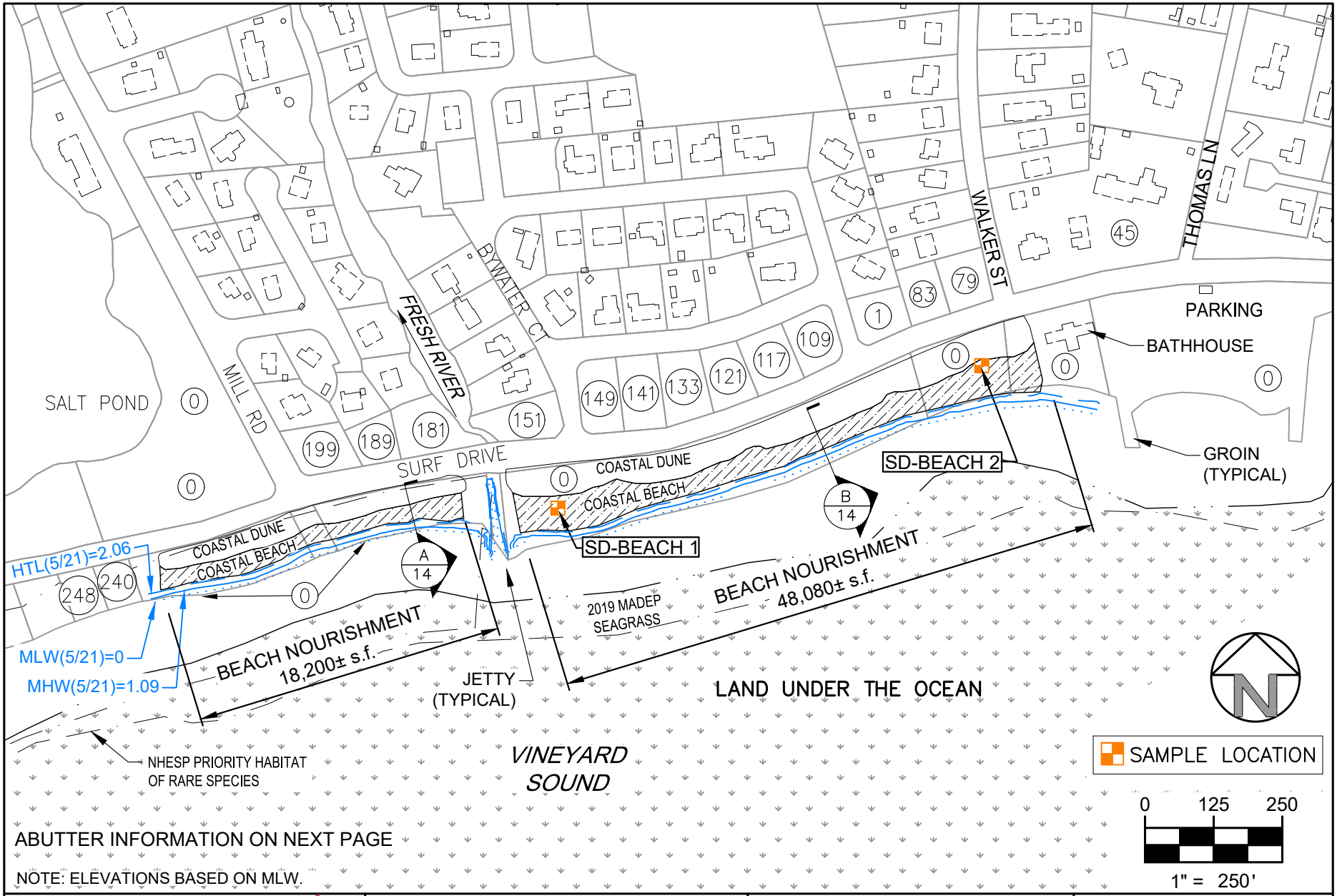
NOT TO SCALE

NOTE:
ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:	APPLICATION BY:	SHEET 13 OF 45
Fresh River Inner Channel & Outer Channel Typical Sections	TOWN OF FALMOUTH	DATE: 01/10/2022
	TOWN: FALMOUTH COUNTY: BARNSTABLE STATE: MA	REVISED: 02/28/2022

FRESH RIVER_2021.DWG



ABUTTER INFORMATION ON NEXT PAGE

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Surf Drive
Beach Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 14 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

SURF DRIVE_2021.DWG

Address	Owner
0 SURF DR	N/F TOWN OF FALMOUTH
199 SURF DR	N/F HERBERT F. FOSTER, JR
189 SURF DR	N/F PHILIP CHISCHPORTICH TRUST AGREEMENT OF 2013, ETAL
181 SURF DR	N/F ERIC SMITH, ETAL
151 SURF DR	N/F SCOT FREDO
149 SURF DR	N/F THE STEVEN J. MOLINSKY REVOCABLE TRUST, ETAL
141 SURF DR	N/F JULIANNE M. WALSH, ETAL
133 SURF DR	N/F JOSEPH R. MOURA, ETAL
121 SURF DR	N/F BLAIR ANTHONY, ETAL
117 SURF DR	N/F FAGGIO LP
109 SURF DR	N/F HENRY HERRMANN, ETAL
1 BYWATER CT	N/F 1 BYWATER COURT REALTY TRUST
83 SURF DR	N/F THOMAS M. LARRACEY, ETAL
79 SURF DR	N/F W A L J REALTY TRUST
45 SURF DR	N/F BEACHSIDE VILLAGE RESORT CONDOMINIUM ASSOCIATION
240 SURF DR	N/F PCA NOMINEE TRUST
248 SURF DR	N/F THREE HUNDRED COMMITTEE INC

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Surf Drive Beach
Abutters

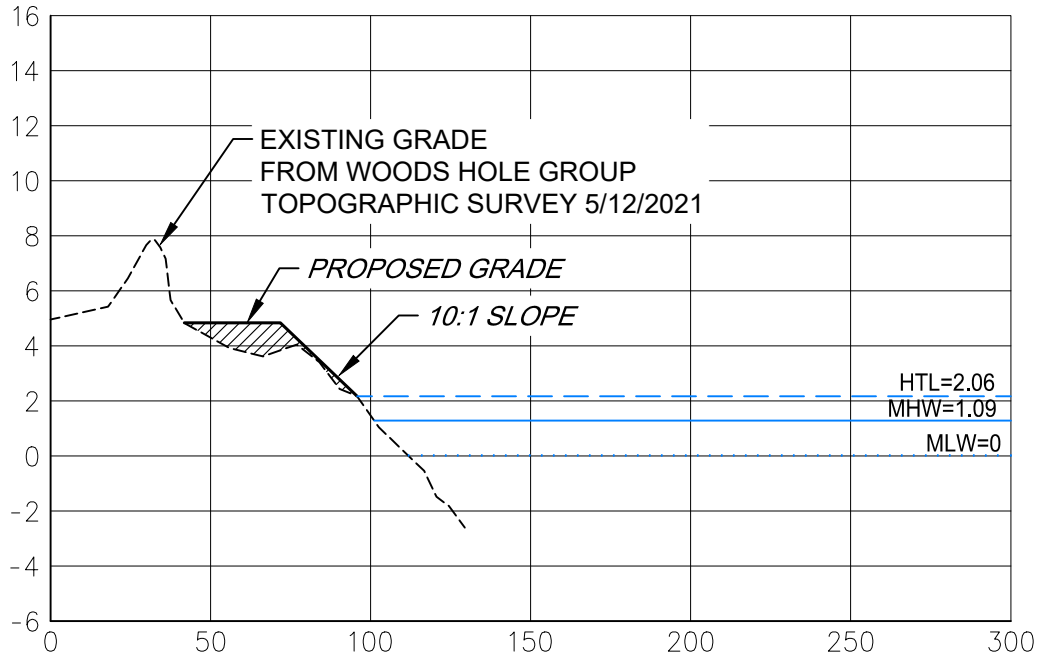
APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

DATE: 01/10/2022

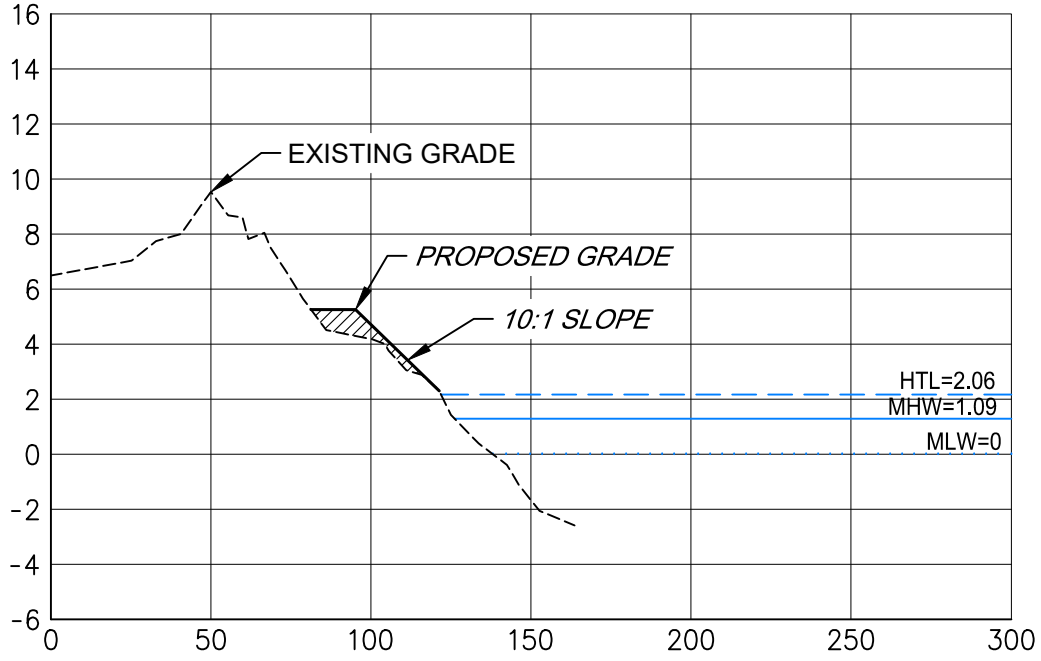
REVISED: 02/28/2022

SURF DRIVE_2021.DWG



A/14 TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 7'



B/14 TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 7'

0 30 60

1" = 60'

NOTE: ELEVATIONS BASED ON MLW

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Surf Drive Beach
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

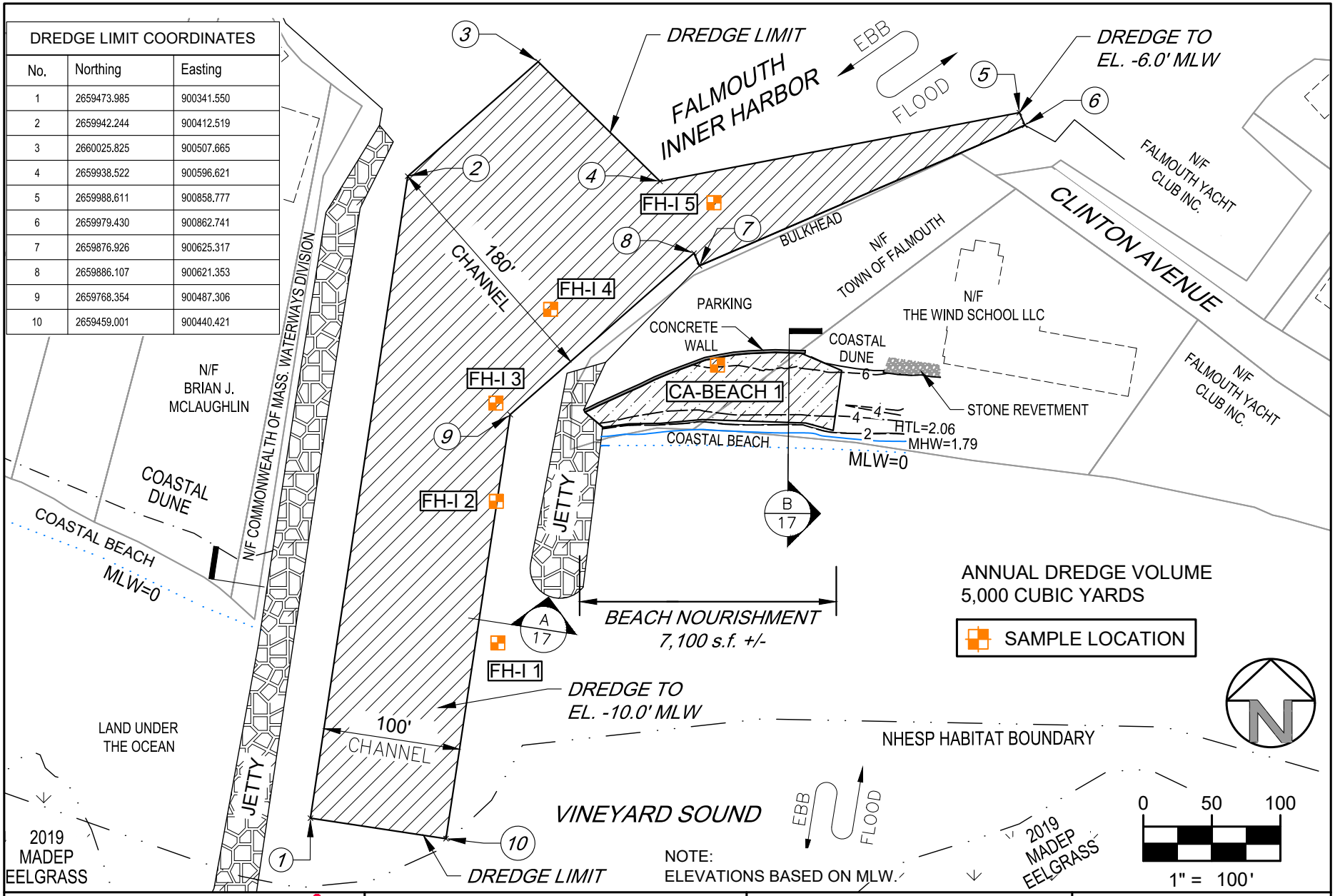
SHEET 16 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

SURF DRIVE_2021.DWG

DREDGE LIMIT COORDINATES		
No.	Northing	Easting
1	2659473.985	900341.550
2	2659942.244	900412.519
3	2660025.825	900507.665
4	2659938.522	900596.621
5	2659988.611	900858.777
6	2659979.430	900862.741
7	2659876.926	900625.317
8	2659886.107	900621.353
9	2659768.354	900487.306
10	2659459.001	900440.421



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Falmouth Harbor Entrance Channel Dredging
And Clinton Avenue Beach Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

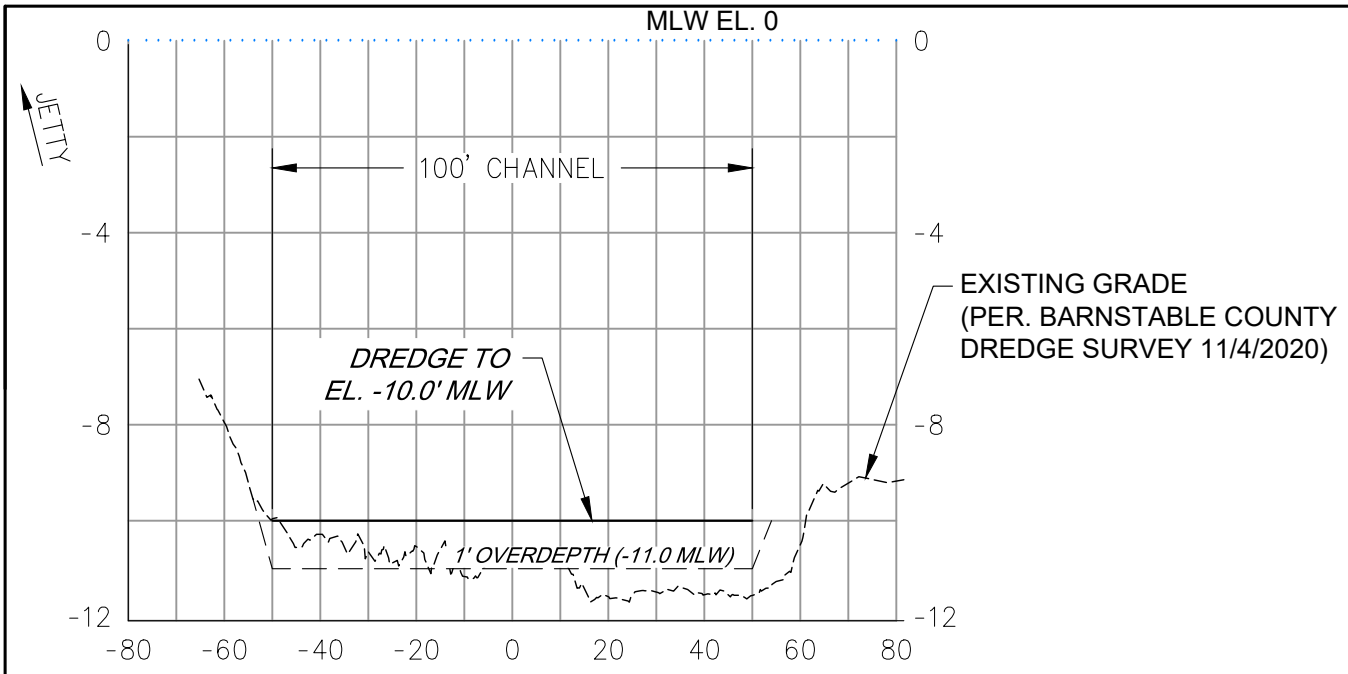
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 17 OF 45

DATE: 01/10/2022

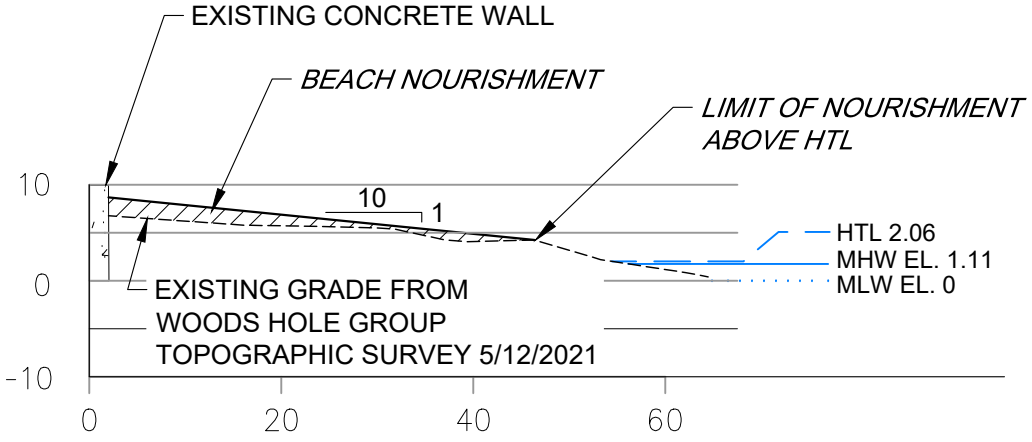
REVISED: 02/28/2022

FALMOUTH HARBOR_2021.DWG



A/17 TYPICAL DREDGE SECTION

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'



B/17 TYPICAL BEACH NOURISHMENT SECTION

SCALE: 1" = 20'

NOTE:
ELEVATIONS BASED ON MLW.

0 10 20
1" = 20'

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Falmouth Harbor Entrance Channel Dredging And Clinton Avenue Beach Nourishment - Typical Sections

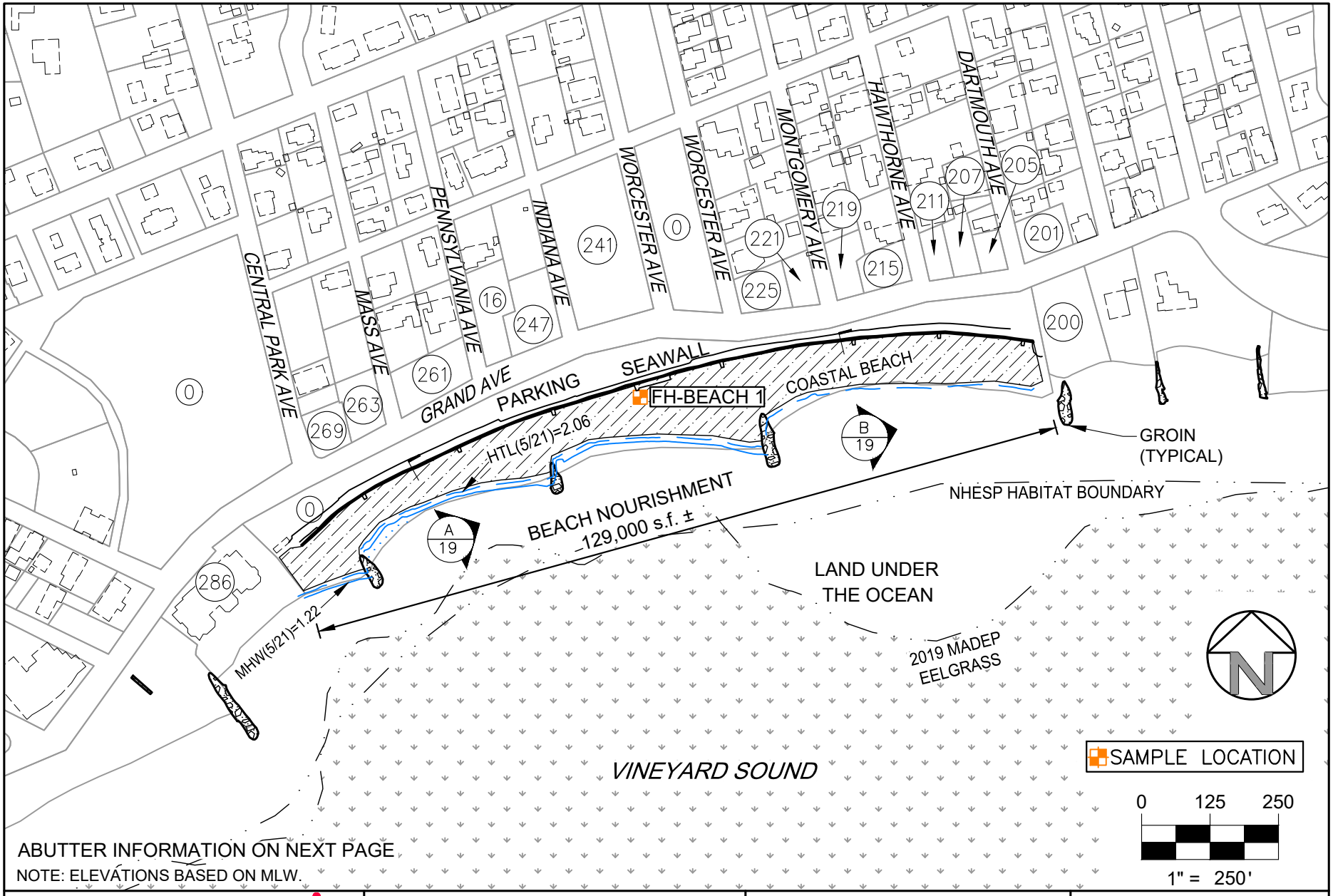
APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

DATE: 01/10/2022

REVISED: 02/28/2022

FALMOUTH HARBOR_2021.DWG



ABUTTER INFORMATION ON NEXT PAGE

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Falmouth Heights
Beach Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 19 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

FALMOUTH HEIGHTS_2021.DWG

Address	Owner
0 GRAND AVE	N/F TOWN OF FALMOUTH
200 GRAND AVE	N/F CLEMENT E.PAPAZIAN, TR.
286 GRAND AVE	N/F CASINO WHARF CONDO OWNERS
0 CENTRAL PARK AVE	N/F TOWN OF FALMOUTH
201 GRAND AVE	N/F LAWRENCE A. RYBACKI ETAL
205 GRAND AVE	N/F FRANCIS S. WALKER ETAL
207 GRAND AVE	N/F HAROLD E. DEWSNAP ETAL
211 GRAND AVE	N/F 211 GRAND LLC
215 GRAND AVE	N/F MATHEW PIMENTAL
219 GRAND AVE	N/F 219 GRAND AVE REALTY TRUST
221 GRAND AVE	N/F HILTZ FALMOUTH REALTY TRUST
225 GRAND AVE	N/F 225 GRAND AVE SOUTH LLC
241 GRAND AVE	N/F CAPTAINS QUARTERS AT SURFSIDE RESORT CONDOMINIUM
247 GRAND AVE	N/F WALTER S. SPOKOWSKI ETAL
16 PENNSYLVANIA AVE	N/F DEBORAH A. FANALE
261 GRAND AVE	N/F SCHECTER CAPE COD REALTY TRUST
263 GRAND AVE	N/F FALMOUTH HEIGHTS REAL ESTATE LLC
269 GRAND AVE	N/F FALMOUTH HEIGHTS REAL ESTATE LLC
0 WORCESTER AVE	N/F TOWN OF FALMOUTH

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Falmouth Heights Beach Abutters

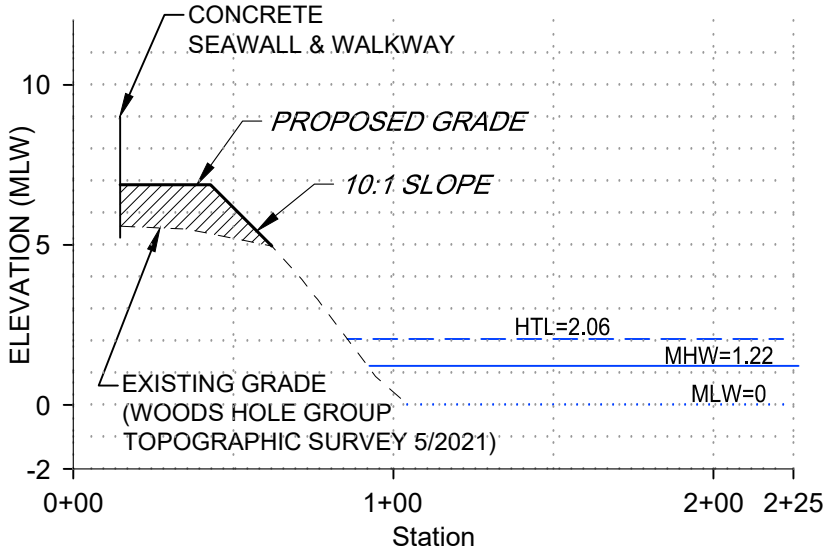
APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

DATE: 01/10/2022

REVISED: 02/28/2022

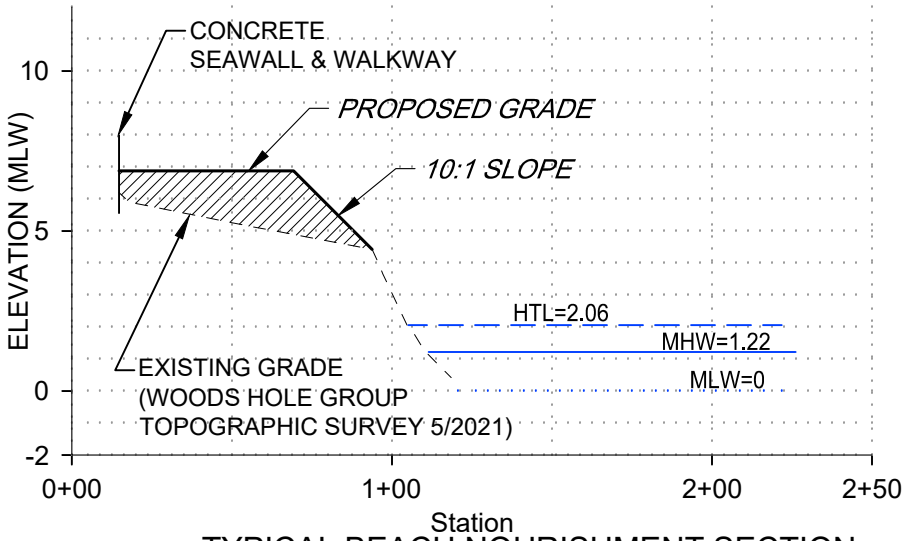
FALMOUTH HEIGHTS_2021.DWG



A
19

TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'



B
19

TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 7'

NOTE:
ELEVATIONS BASED ON MLW

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Falmouth Heights Beach
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

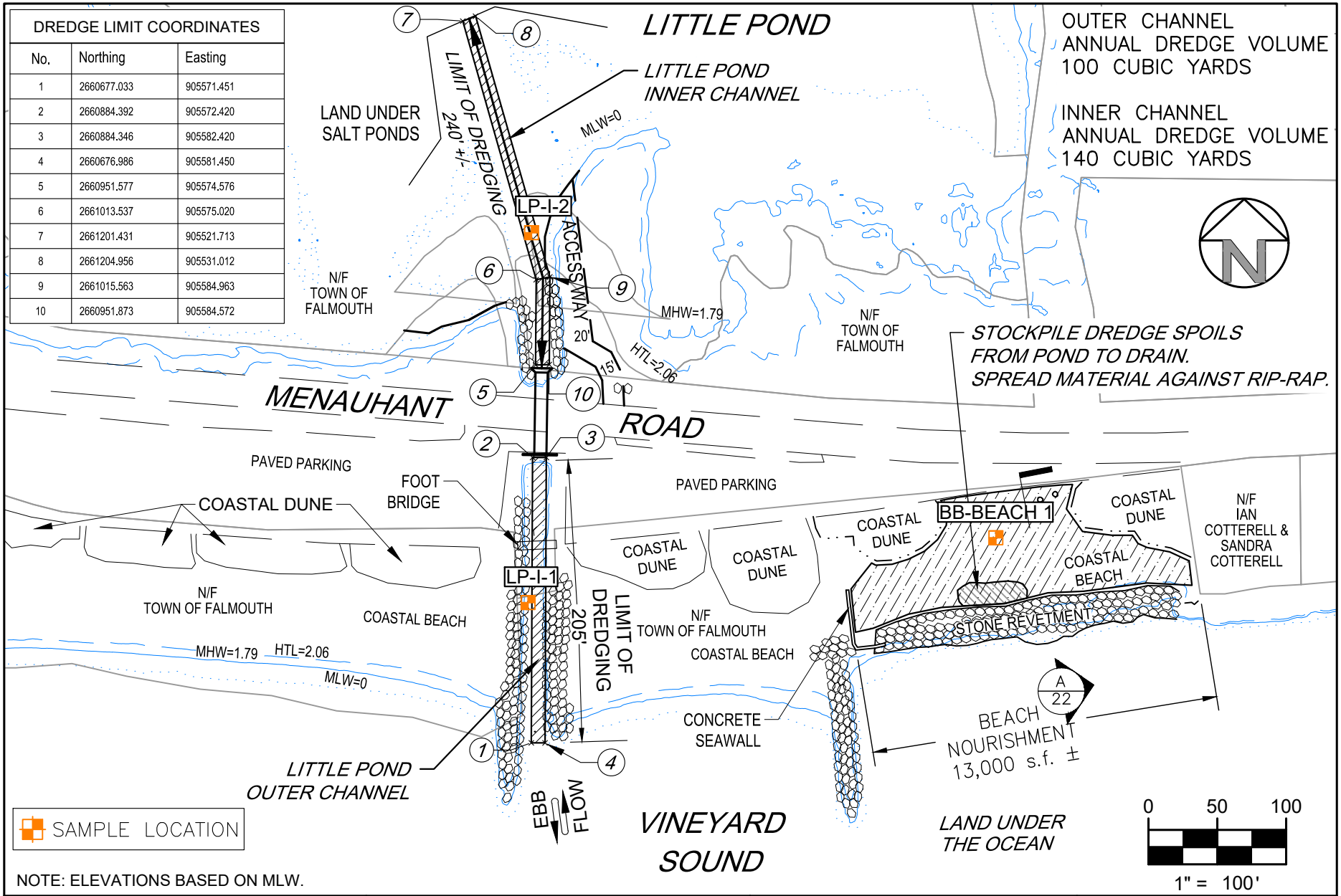
SHEET 21 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

FALMOUTH HEIGHTS_2021.DWG

DREDGE LIMIT COORDINATES		
No.	Northing	Easting
1	2660677.033	905571.451
2	2660884.392	905572.420
3	2660884.346	905582.420
4	2660676.986	905581.450
5	2660951.577	905574.576
6	2661013.537	905575.020
7	2661201.431	905521.713
8	2661204.956	905531.012
9	2661015.563	905584.963
10	2660951.873	905584.572



NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Little Pond Inner Channel & Outer Channel Dredging & Bristol Beach Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

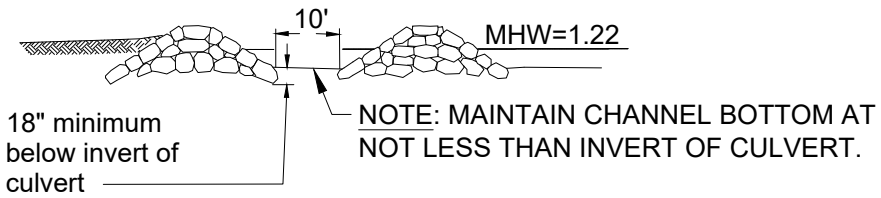
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 22 OF 45

DATE: 01/10/2022

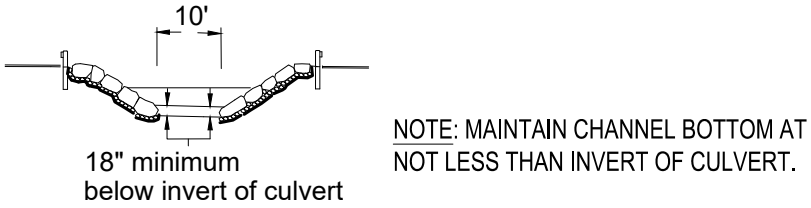
REVISED: 02/28/2022

LITTLE POND_2021.DWG



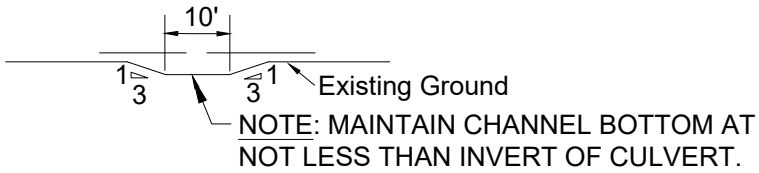
SECTION AT JETTIES

SCALE: NONE



SECTION AT RIP RAP CHANNEL

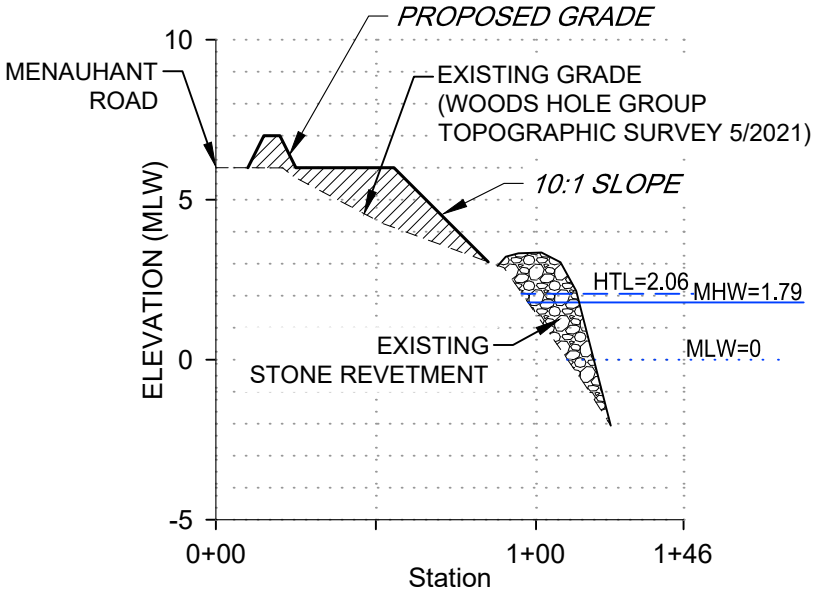
SCALE: NONE



SECTION IN POND

SCALE: NONE

NOTE: ELEVATIONS BASED ON MLW.



A
22

TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Little Pond Inner Channel & Outer Channel & Bristol Beach - Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

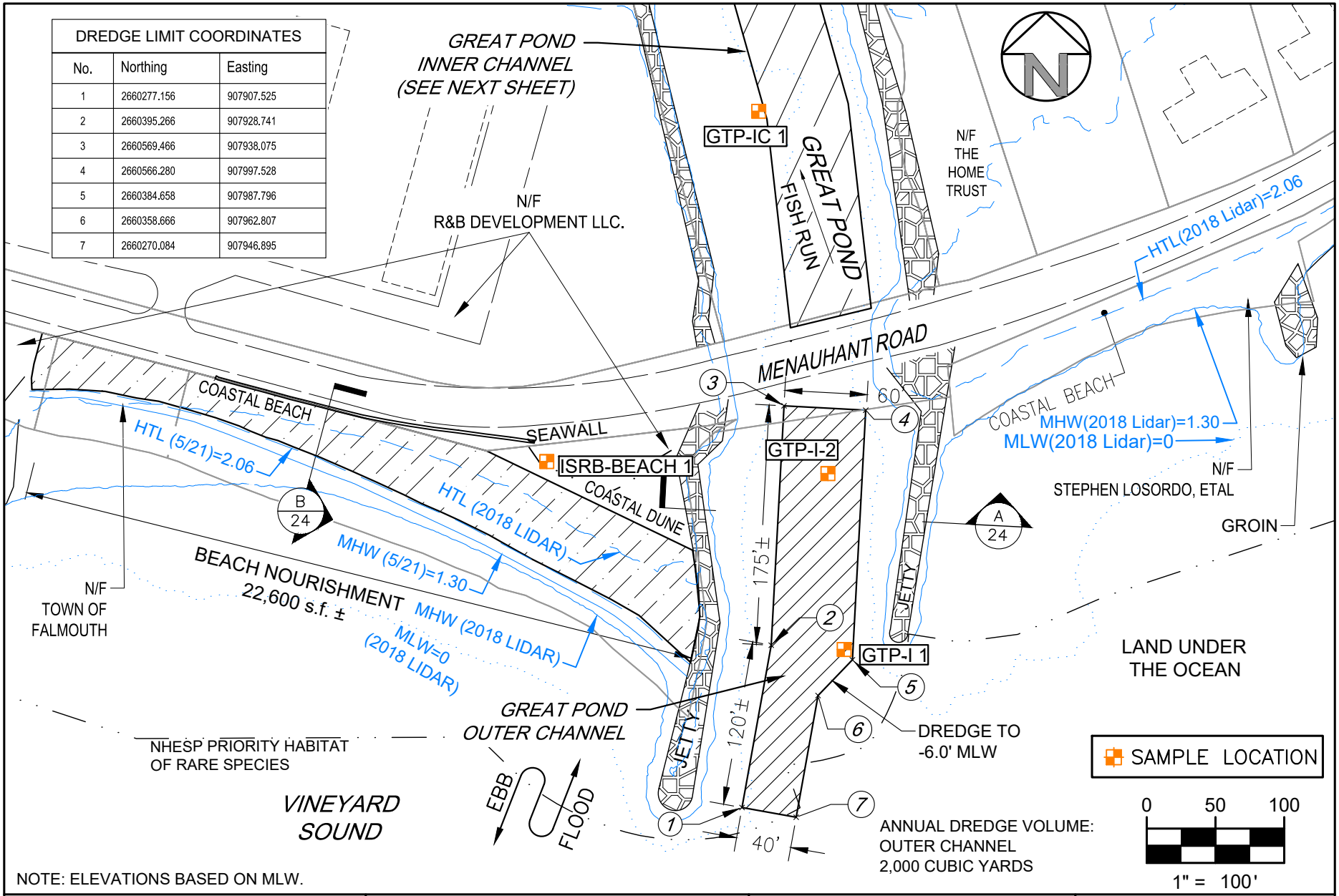
SHEET 23 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

LITTLE POND_2021.DWG

DREDGE LIMIT COORDINATES		
No.	Northing	Easting
1	2660277.156	907907.525
2	2660395.266	907928.741
3	2660569.466	907938.075
4	2660566.280	907997.528
5	2660384.658	907987.796
6	2660358.666	907962.807
7	2660270.084	907946.895



NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Great Pond Outer Channel Dredging
& Inn Season Resorts Beach Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

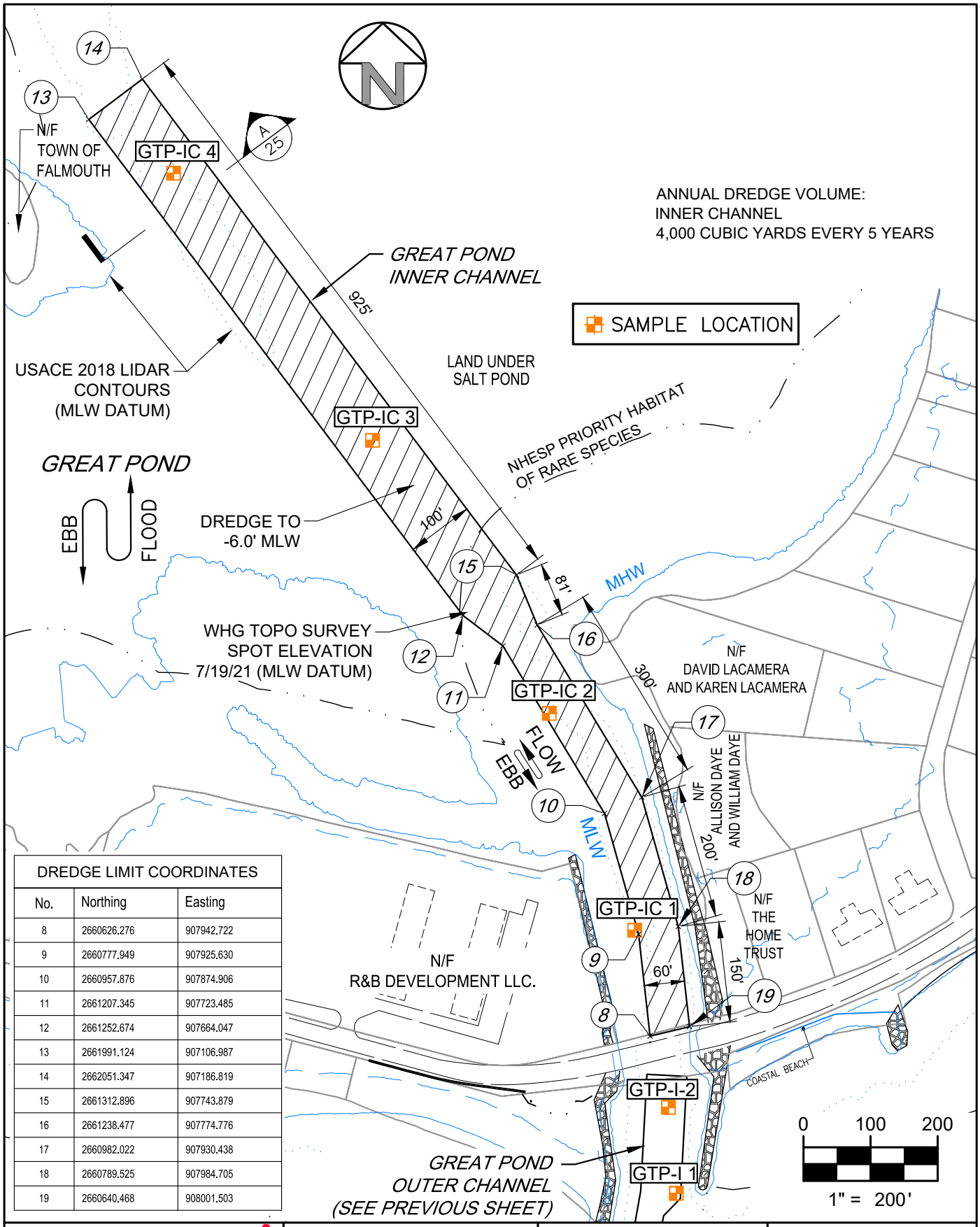
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 24 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

GREAT POND_2021.DWG



DREDGE LIMIT COORDINATES		
No.	Northing	Easting
8	2660626.276	907942.722
9	2660777.949	907925.630
10	2660957.876	907874.906
11	2661207.345	907723.485
12	2661252.674	907664.047
13	2661991.124	907106.987
14	2662051.347	907186.819
15	2661312.896	907743.879
16	2661238.477	907774.776
17	2660982.022	907930.438
18	2660789.525	907984.705
19	2660640.468	908001.503

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Great Pond Inner Channel Dredging

APPLICATION BY:
TOWN OF FALMOUTH

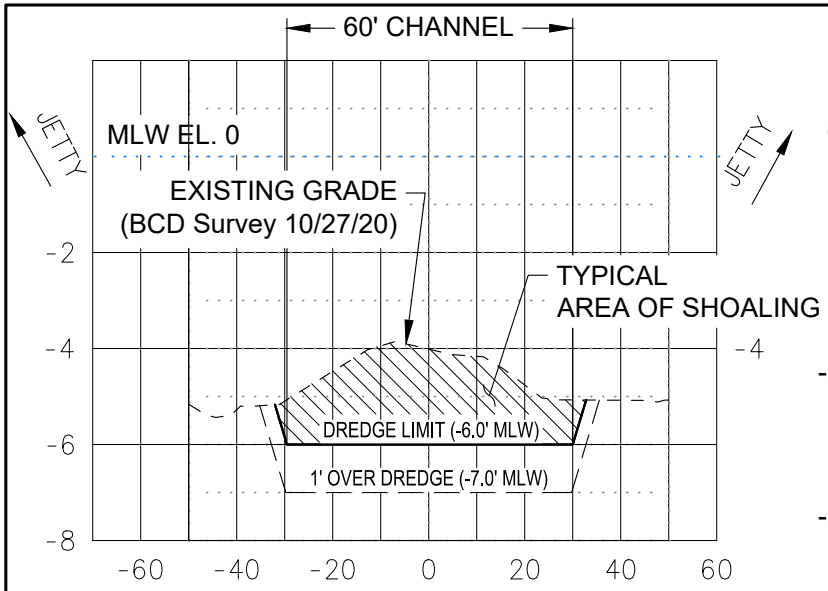
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 25 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

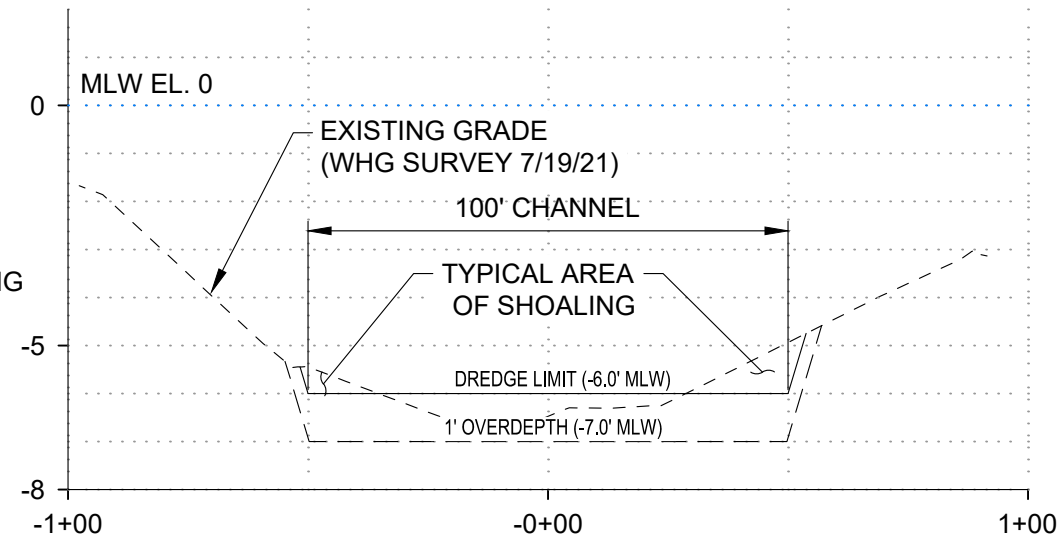
GREAT POND_2021.DWG



TYPICAL DREDGE SECTION -OUTER CHANNEL

A/24

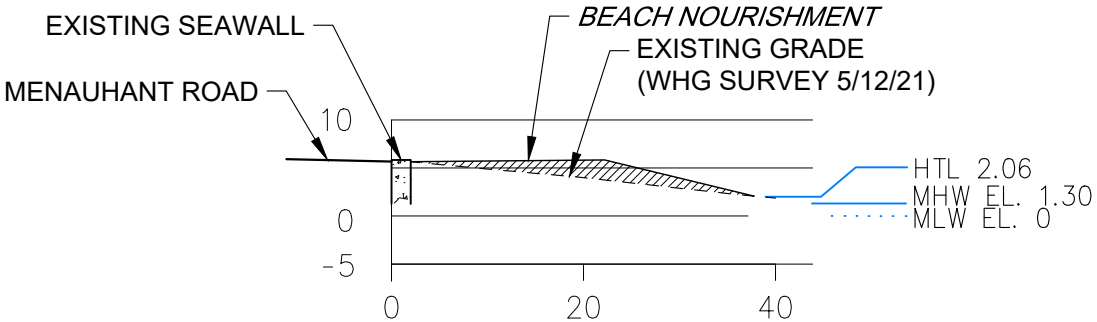
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'



TYPICAL DREDGE SECTION -INNER CHANNEL

A/25

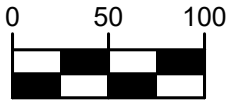
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'



TYPICAL BEACH NOURISHMENT SECTION

B/24

HORIZONTAL & VERTICAL SCALE: 1" = 20'



1" = 100'

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Great Pond Inner Channel & Outer Channel
& Inn Season Resorts Beach - Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

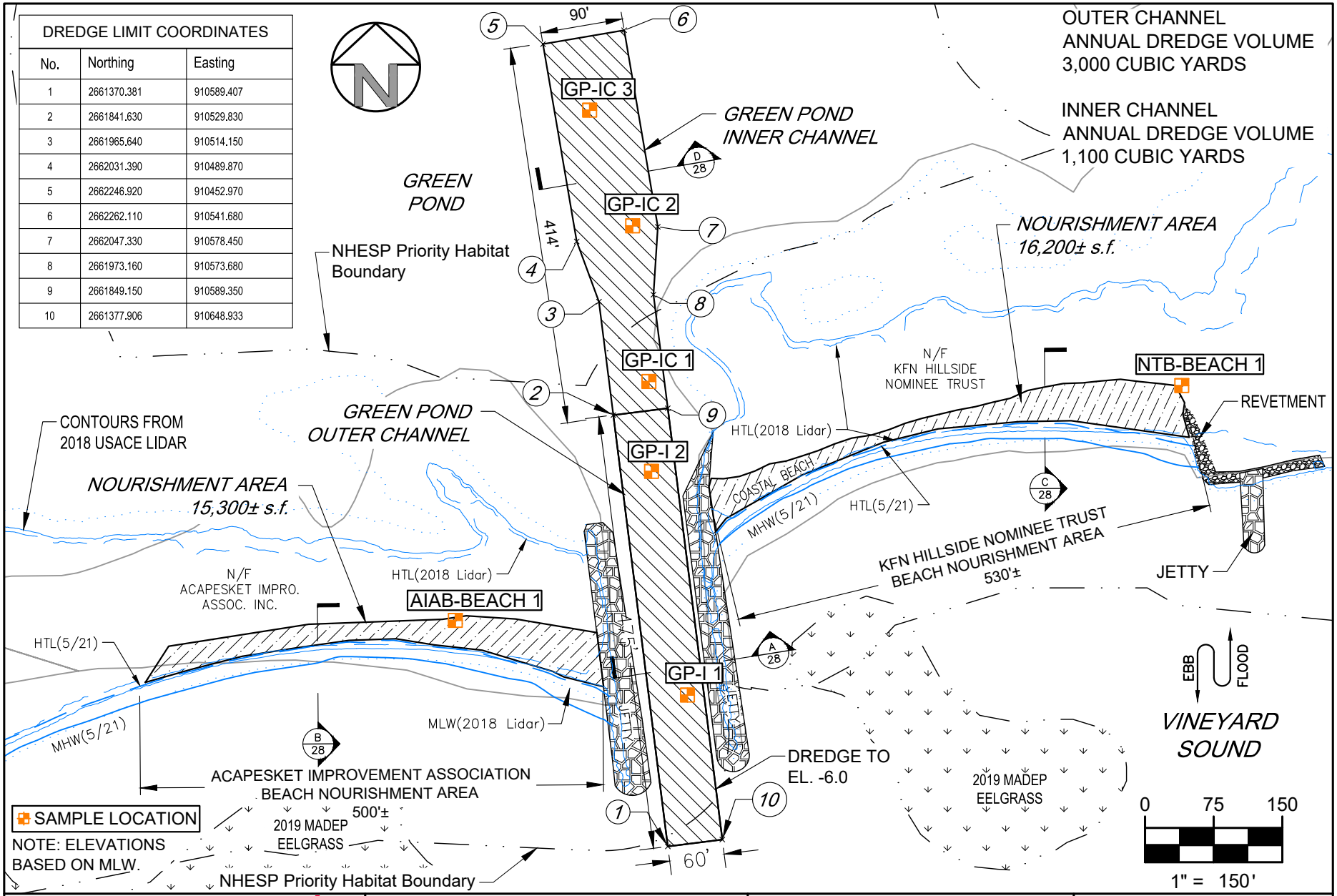
SHEET 26 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

GREAT POND_2021.DWG

DREDGE LIMIT COORDINATES		
No.	Northing	Easting
1	2661370.381	910589.407
2	2661841.630	910529.830
3	2661965.640	910514.150
4	2662031.390	910489.870
5	2662246.920	910452.970
6	2662262.110	910541.680
7	2662047.330	910578.450
8	2661973.160	910573.680
9	2661849.150	910589.350
10	2661377.906	910648.933



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Green Pond Inner Channel & Outer Channel Dredging
Acapesket Imp. Assoc. And KFN Hillside Nom. Trust Beach Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

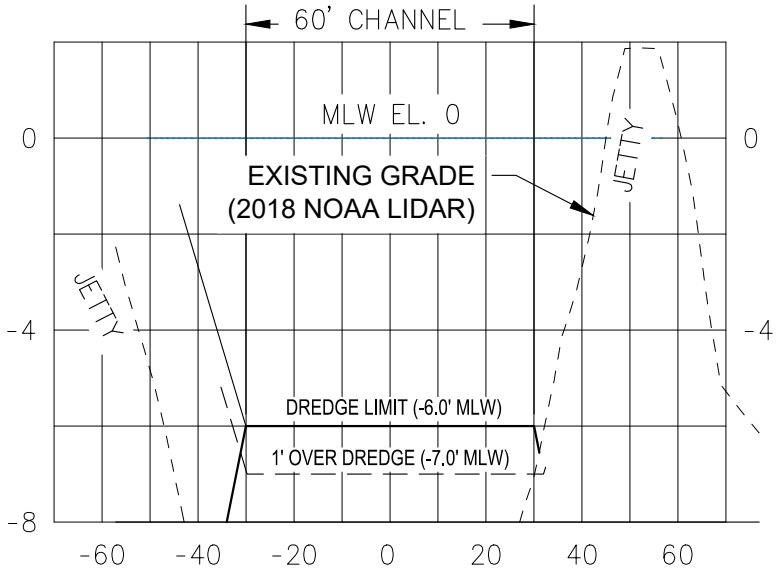
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 27 OF 45

DATE: 01/10/2022

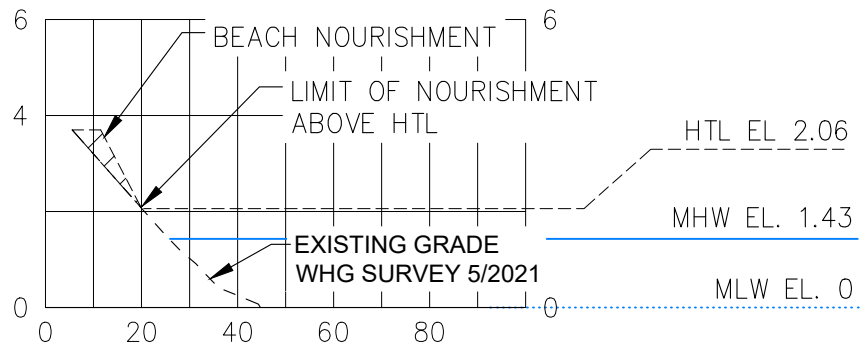
REVISED: 02/28/2022

GREEN POND_2021.DWG



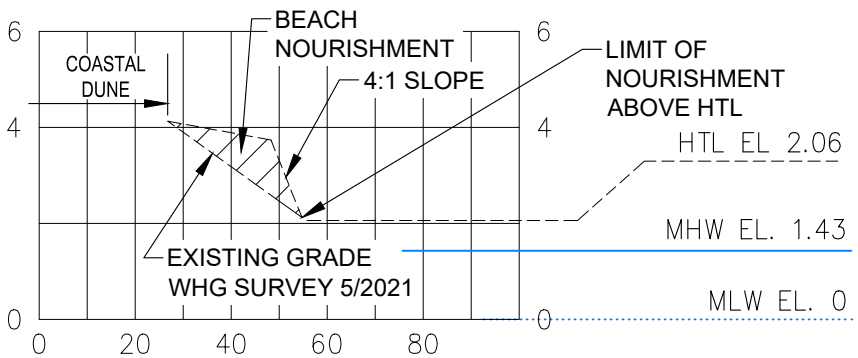
TYPICAL DREDGE SECTION
OUTER CHANNEL

A
28



TYPICAL BEACH NOURISHMENT SECTION

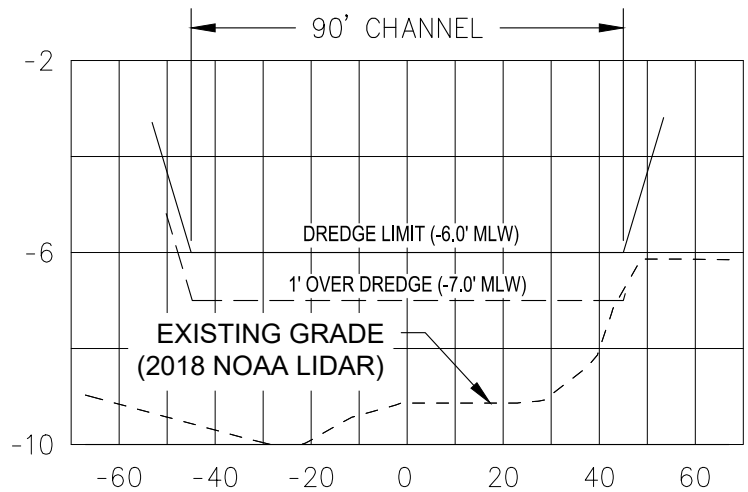
B
28



TYPICAL BEACH NOURISHMENT SECTION

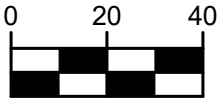
C
28

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'



TYPICAL DREDGE SECTION
INNER CHANNEL

D
28



1" = 40'

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Green Pond Dredging And Beach Nourishment
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

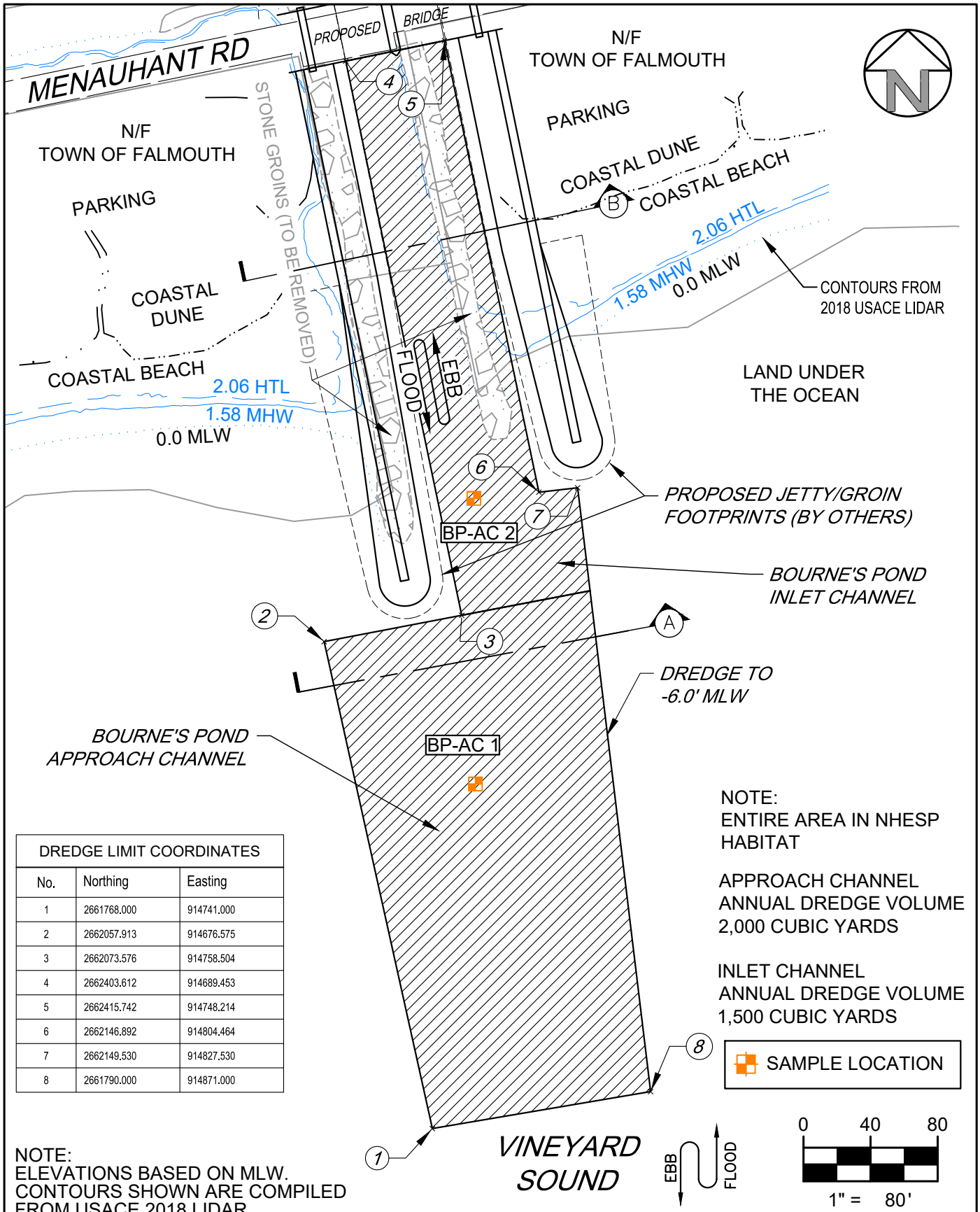
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 28 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

GREEN POND_2021.DWG



DREDGE LIMIT COORDINATES		
No.	Northing	Easting
1	2661768.000	914741.000
2	2662057.913	914676.575
3	2662073.576	914758.504
4	2662403.612	914689.453
5	2662415.742	914748.214
6	2662146.892	914804.464
7	2662149.530	914827.530
8	2661790.000	914871.000

NOTE:
ENTIRE AREA IN NHESP HABITAT

APPROACH CHANNEL
ANNUAL DREDGE VOLUME
2,000 CUBIC YARDS

INLET CHANNEL
ANNUAL DREDGE VOLUME
1,500 CUBIC YARDS

SAMPLE LOCATION

NOTE:
ELEVATIONS BASED ON MLW.
CONTOURS SHOWN ARE COMPILED FROM USACE 2018 LIDAR.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Bourne's Pond
Approach Channel &
Inlet Channel Dredging

APPLICATION BY:
TOWN OF FALMOUTH

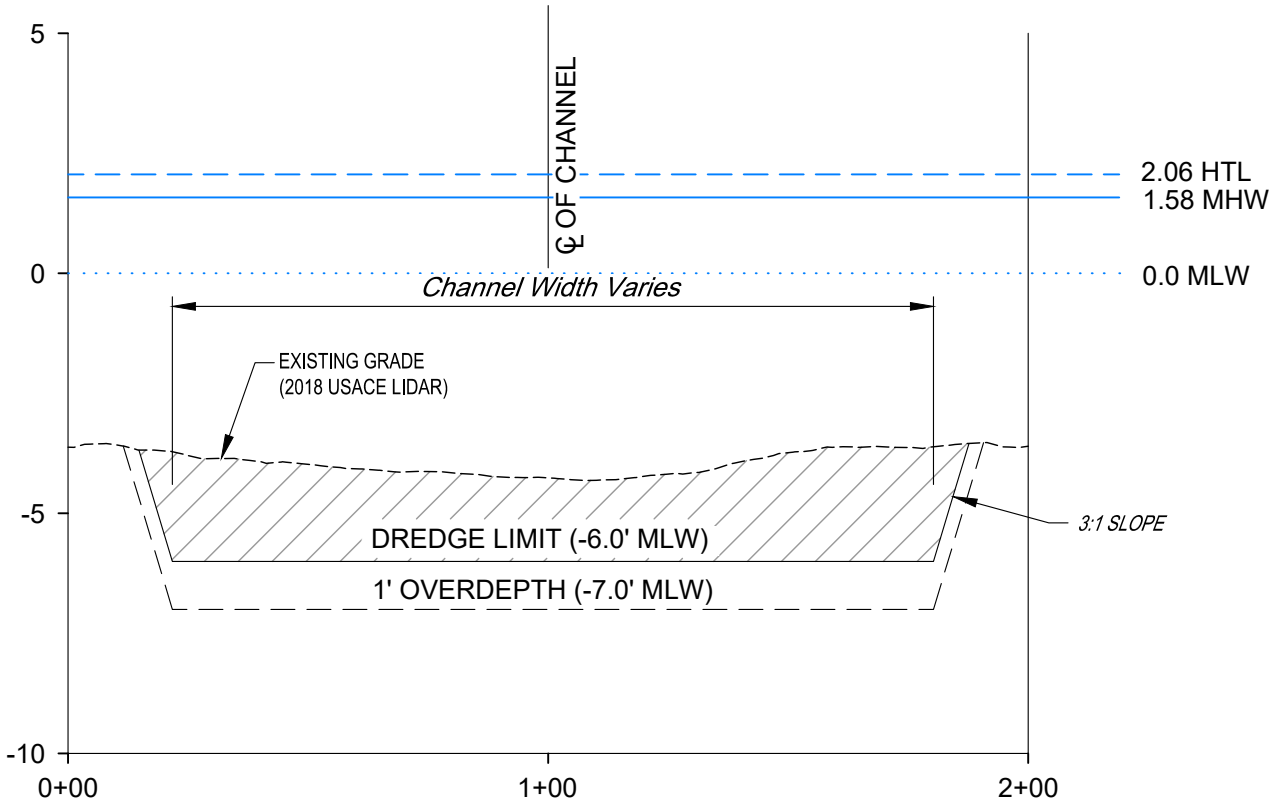
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 29 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

BOURNE POND OUTER_2021.DWG



TYPICAL DREDGE SECTION
APPROACH CHANNEL

A
29

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

0 20 40
1" = 40'

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Bourne's Pond Approach Channel - Typical Section

APPLICATION BY:
TOWN OF FALMOUTH

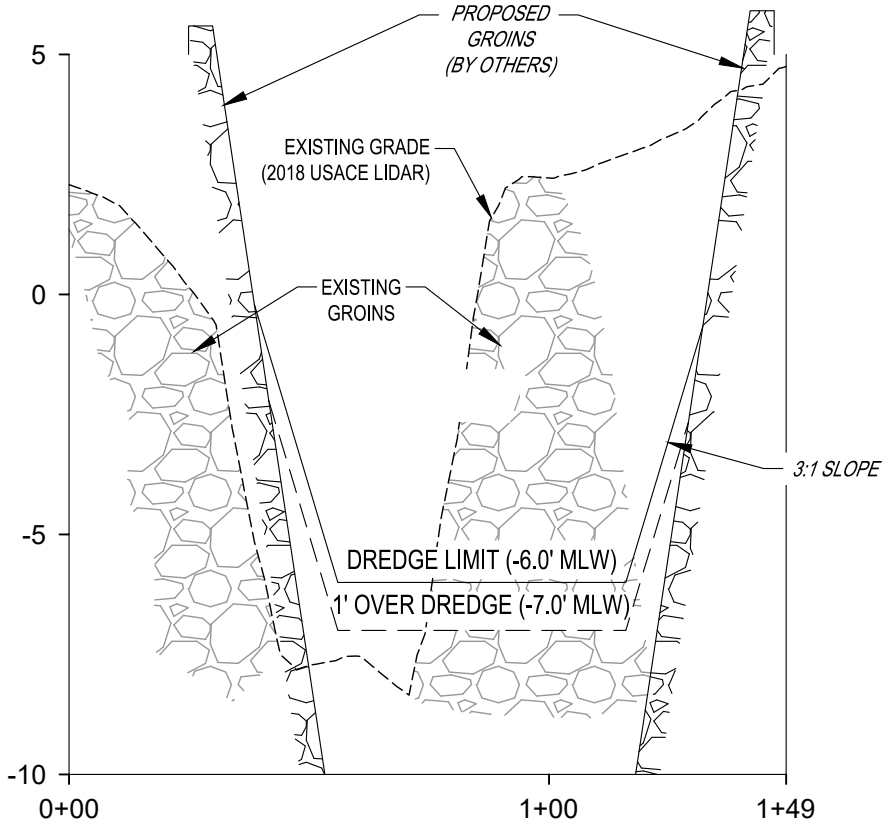
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 30 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

BOURNE POND OUTER_2021.DWG



TYPICAL DREDGE SECTION
INLET CHANNEL

B
29

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

0 20 40
1" = 40'

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Bourne's Pond Inlet Channel - Typical Section

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

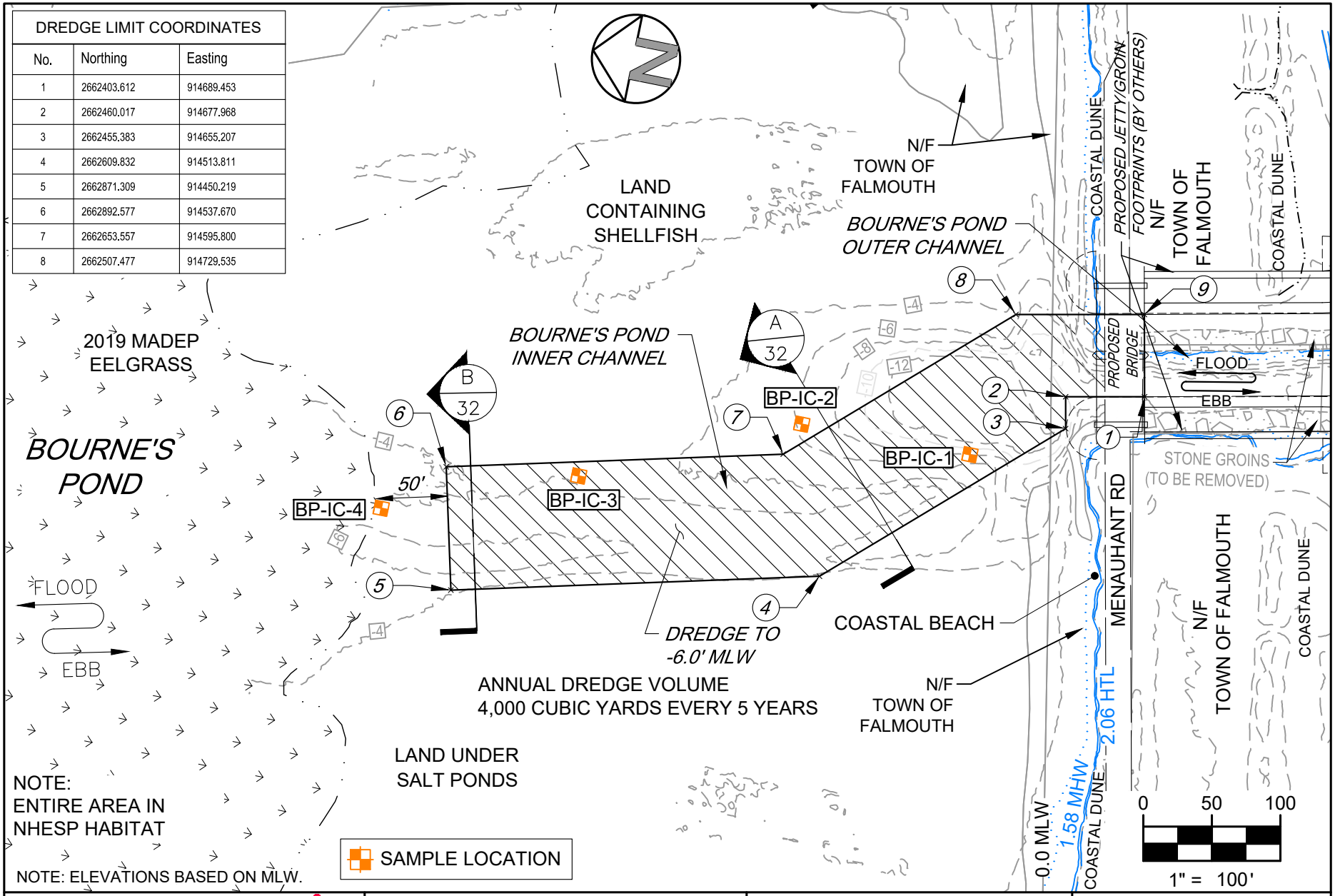
SHEET 31 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

BOURNE POND OUTER_2021.DWG

DREDGE LIMIT COORDINATES		
No.	Northing	Easting
1	2662403.612	914689.453
2	2662460.017	914677.968
3	2662455.383	914655.207
4	2662609.832	914513.811
5	2662871.309	914450.219
6	2662892.577	914537.670
7	2662653.557	914595.800
8	2662507.477	914729.535



NOTE:
ENTIRE AREA IN NHESP HABITAT

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Bourne's Pond Inner Channel Dredging

APPLICATION BY:
TOWN OF FALMOUTH

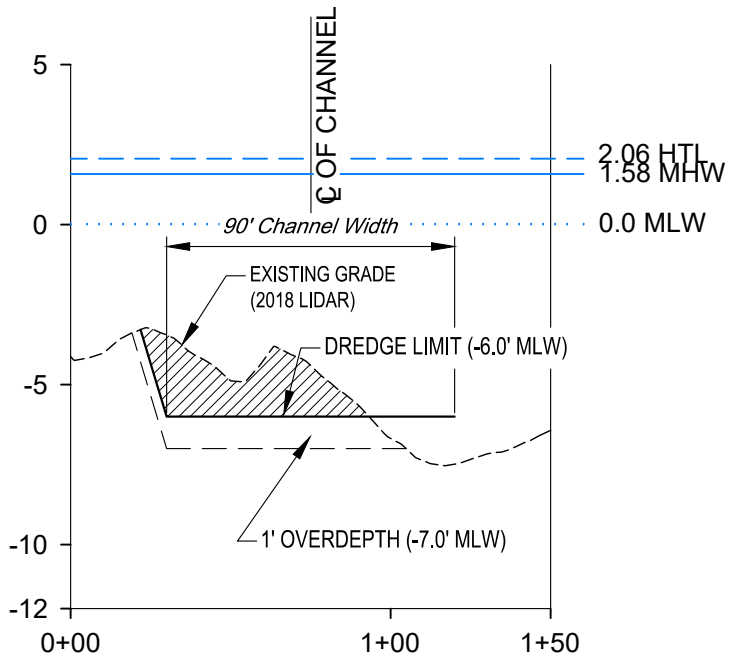
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 32 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

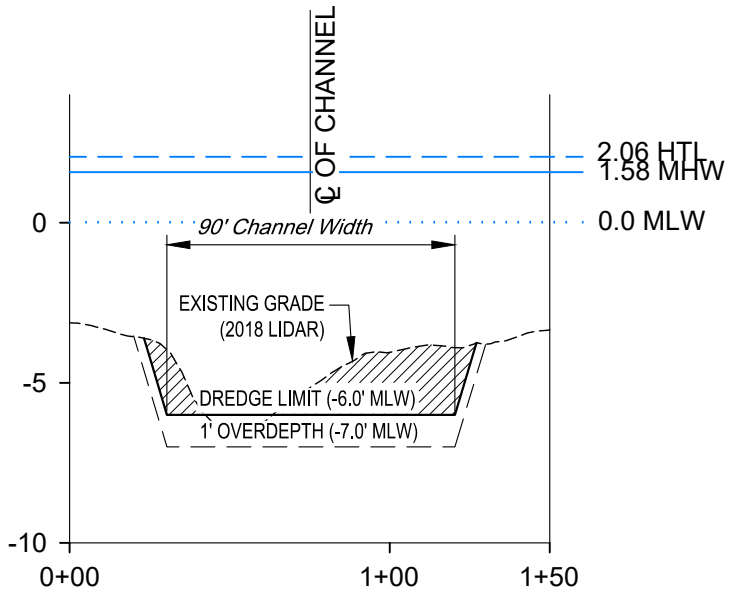
BOURNE POND INNER_2021.DWG



A
32

TYPICAL DREDGE SECTION

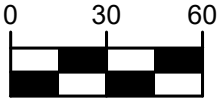
HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'



B
32

TYPICAL DREDGE SECTION

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'



1" = 60'

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Bourne Pond Inner Channel
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

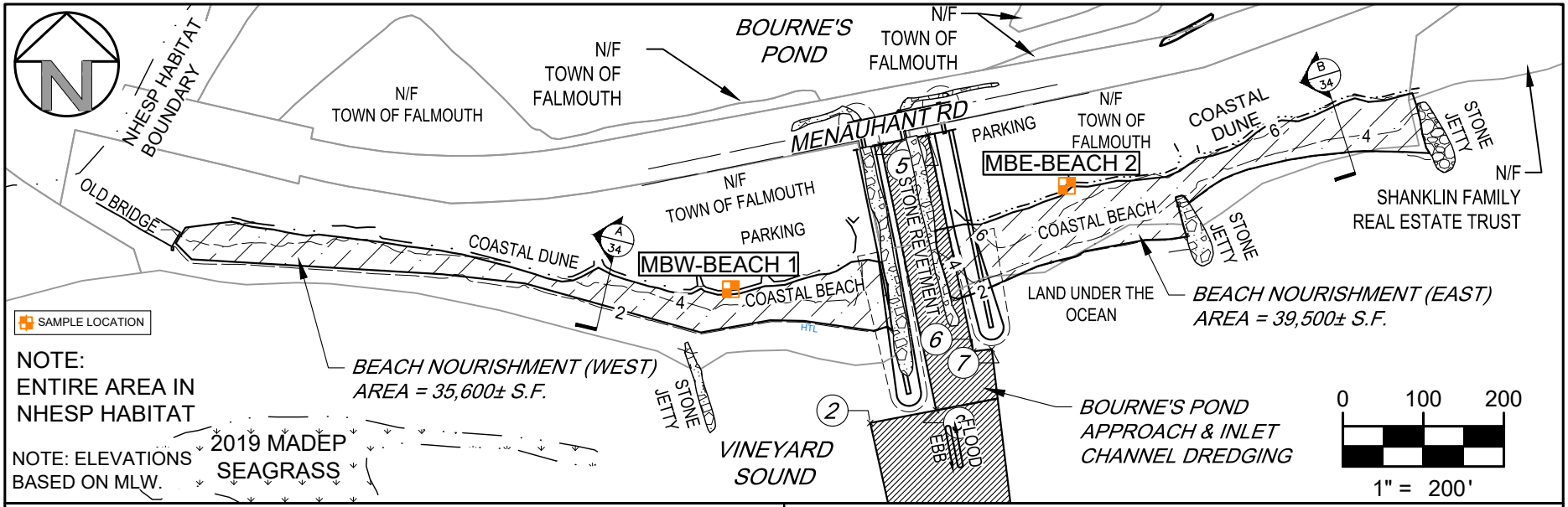
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

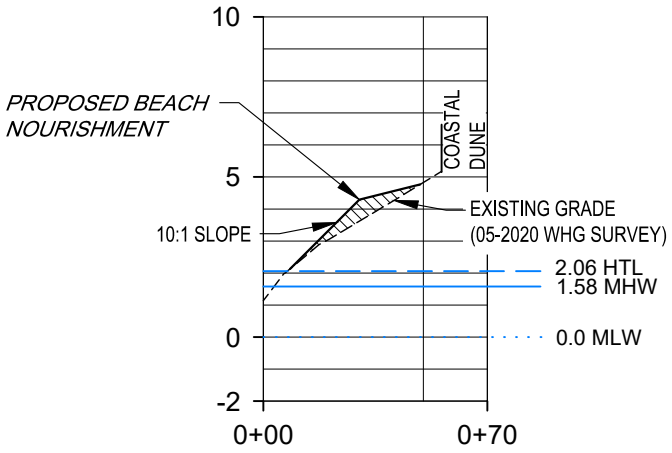
SHEET 33 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

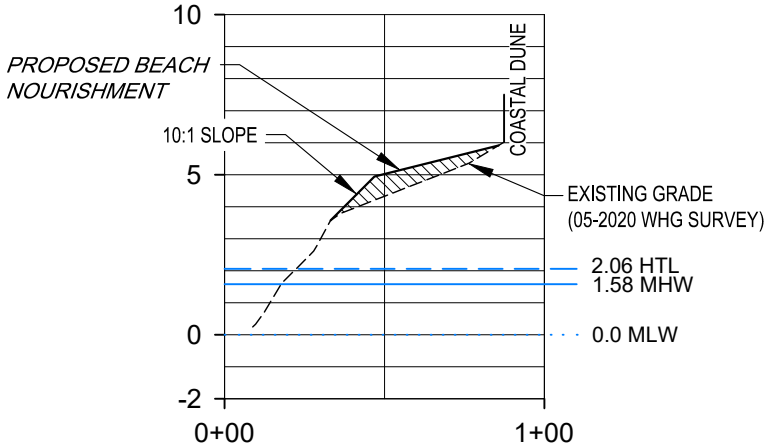
BOURNE POND INNER_2021.DWG





A/34 TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'



B/34 TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 60'
VERTICAL SCALE: 1" = 6'

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Menauhant Beach Nourishment & Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

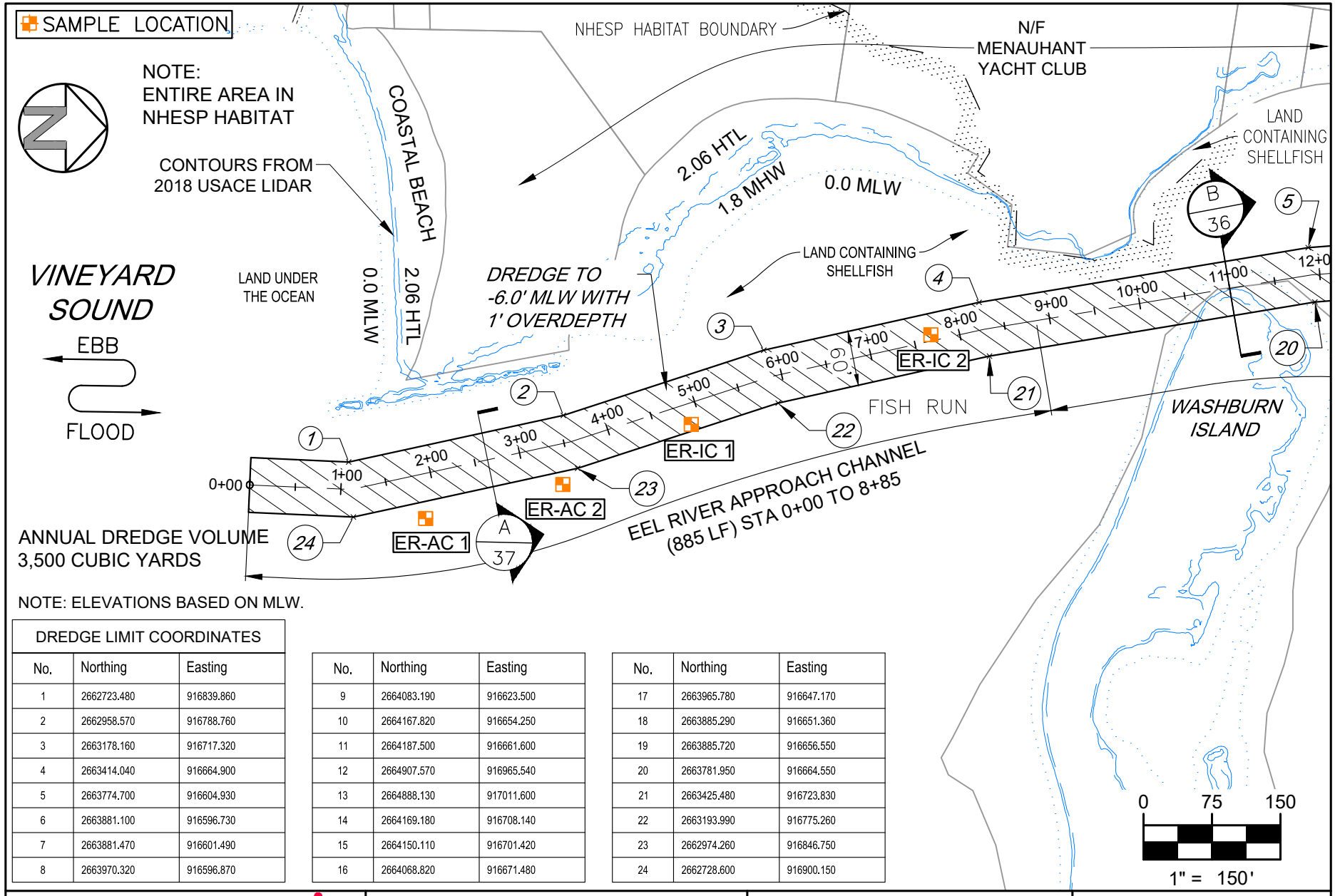
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 34 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

MENAUHANT BEACH_2021.DWG



ANNUAL DREDGE VOLUME
3,500 CUBIC YARDS

NOTE: ELEVATIONS BASED ON MLW.

DREDGE LIMIT COORDINATES

No.	Northing	Easting
1	2662723.480	916839.860
2	2662958.570	916788.760
3	2663178.160	916717.320
4	2663414.040	916664.900
5	2663774.700	916604.930
6	2663881.100	916596.730
7	2663881.470	916601.490
8	2663970.320	916596.870

No.	Northing	Easting
9	2664083.190	916623.500
10	2664167.820	916654.250
11	2664187.500	916661.600
12	2664907.570	916965.540
13	2664888.130	917011.600
14	2664169.180	916708.140
15	2664150.110	916701.420
16	2664068.820	916671.480

No.	Northing	Easting
17	2663965.780	916647.170
18	2663885.290	916651.360
19	2663885.720	916656.550
20	2663781.950	916664.550
21	2663425.480	916723.830
22	2663193.990	916775.260
23	2662974.260	916846.750
24	2662728.600	916900.150

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Eel River Approach Channel Dredging

APPLICATION BY:
TOWN OF FALMOUTH

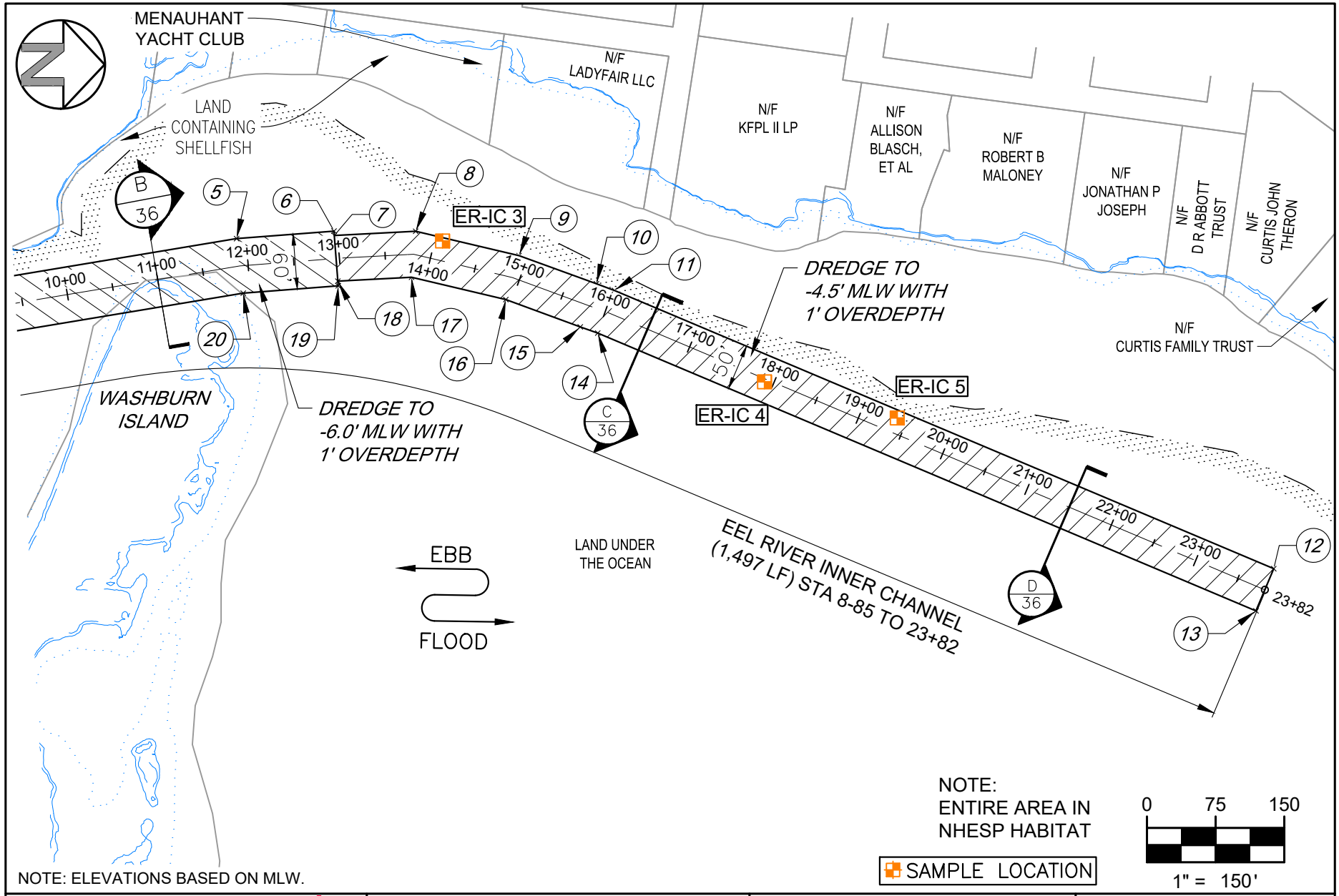
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 35 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

EEL RIVER_2021.DWG



NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Eel River Inner Channel Dredging

APPLICATION BY:
TOWN OF FALMOUTH

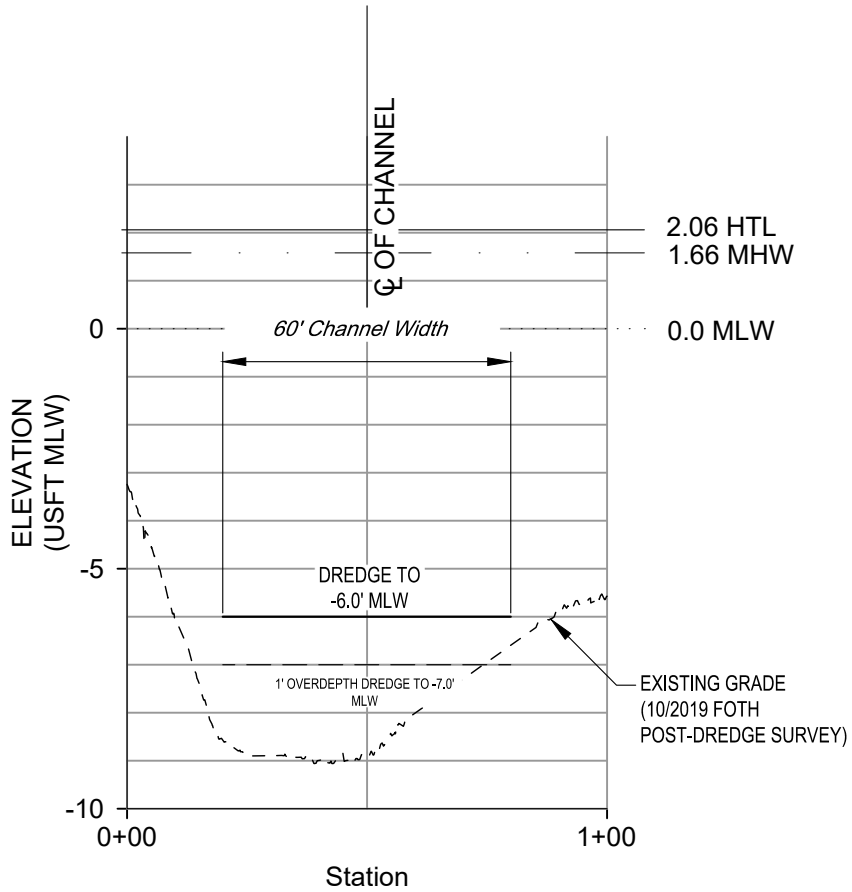
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 36 OF 45

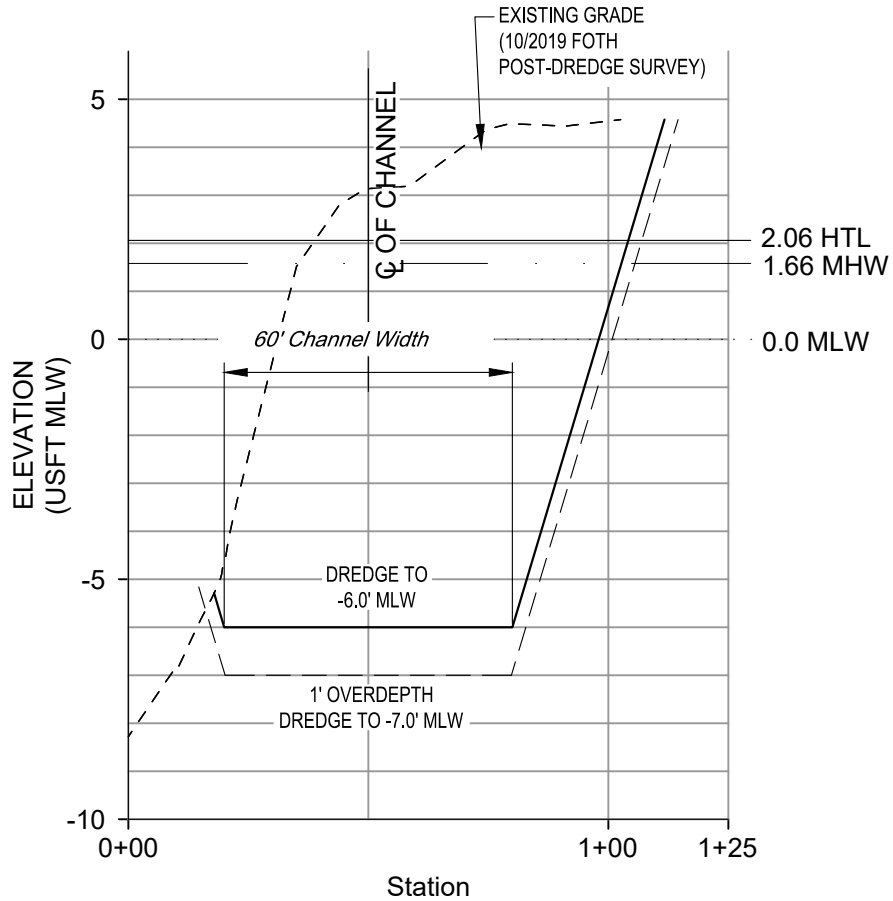
DATE: 01/10/2022

REVISED: 02/28/2022

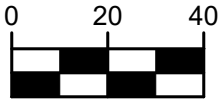
EEL RIVER_2021.DWG



CROSS SECTION A
SCALE 1" = 40'



CROSS SECTION B
SCALE 1" = 40'



1" = 40'

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Eel River Channel Dredging
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

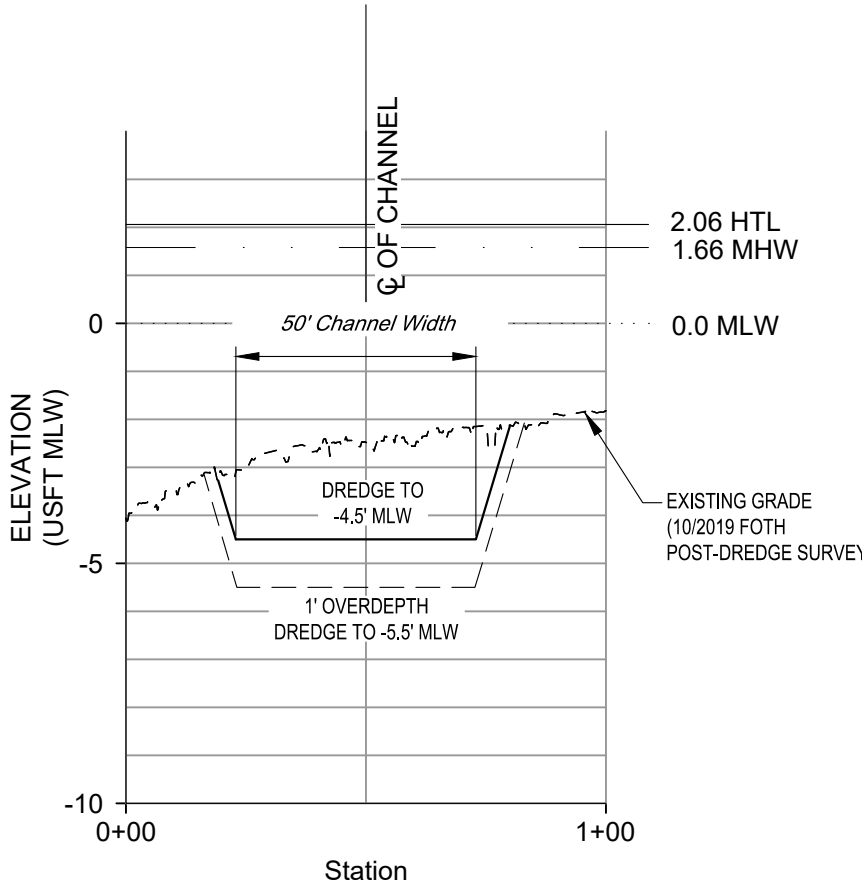
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 37 OF 45

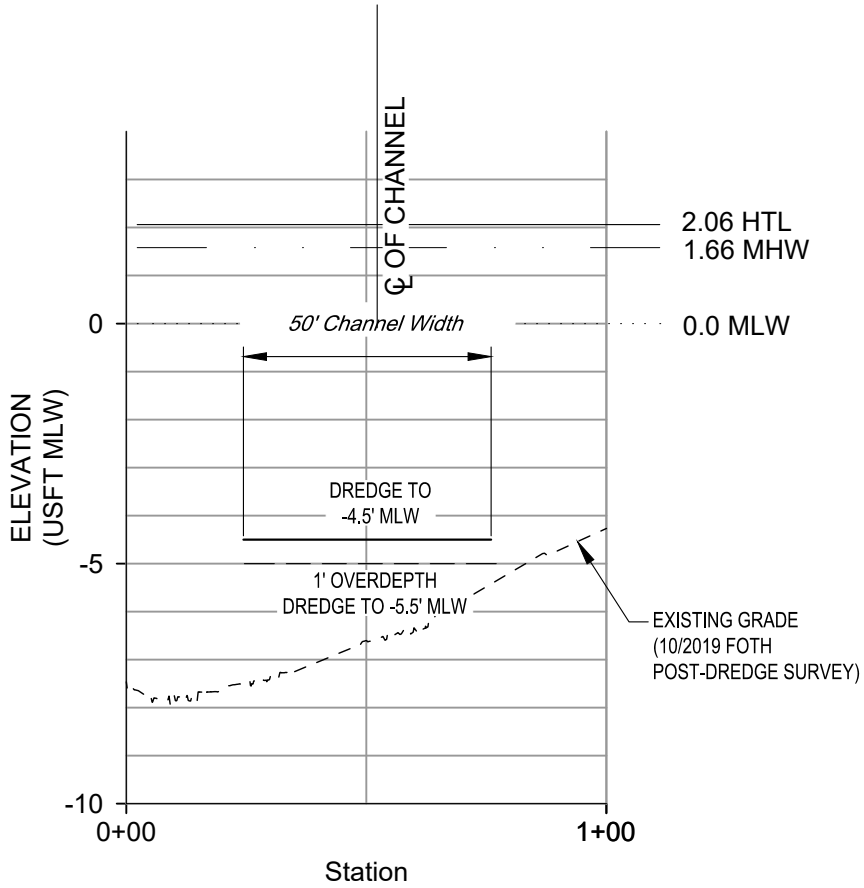
DATE: 01/10/2022

REVISED: 02/28/2022

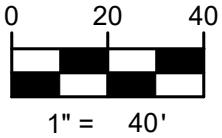
EEL RIVER_2021.DWG



CROSS SECTION C
SCALE 1" = 40'



CROSS SECTION D
SCALE 1" = 40'



NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Eel River Channel Dredging
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

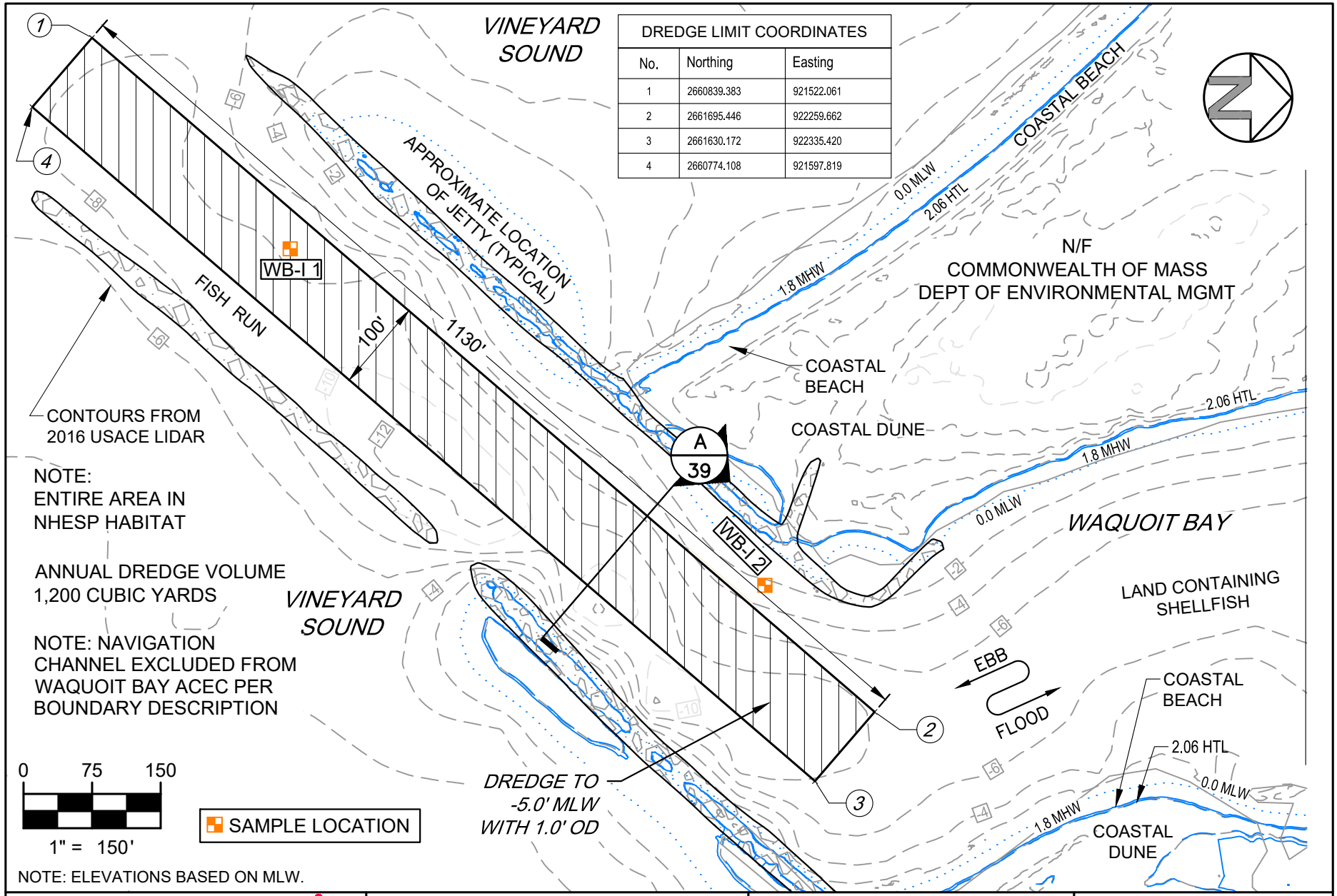
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 38 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

EEL RIVER_2021.DWG



DREDGE LIMIT COORDINATES		
No.	Northing	Easting
1	2660839.383	921522.061
2	2661695.446	922259.662
3	2661630.172	922335.420
4	2660774.108	921597.819

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Waquoit Bay Outer Channel Dredging

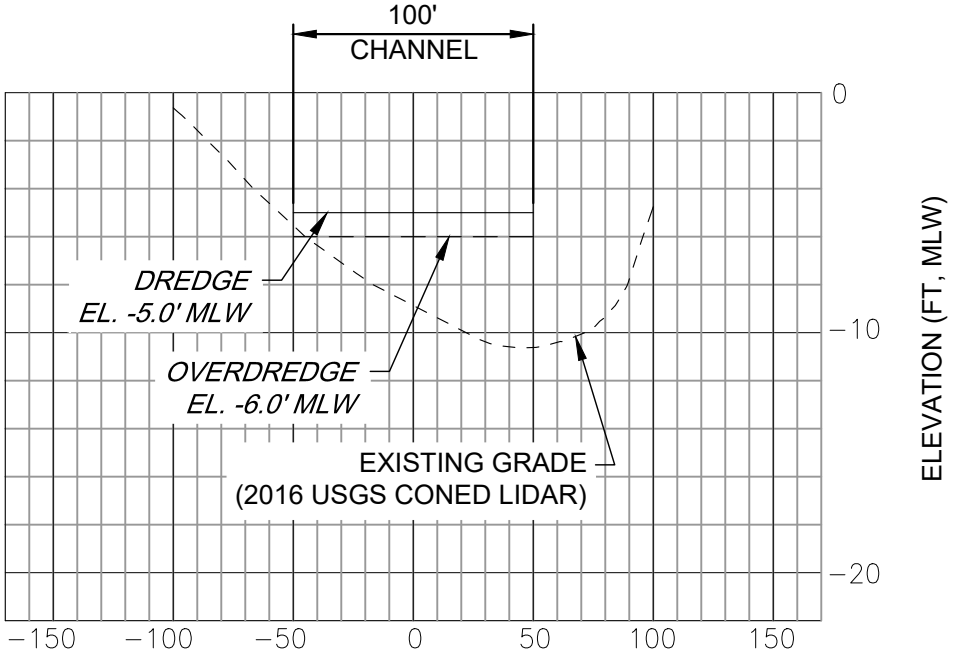
APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

DATE: 01/10/2022

REVISED: 02/28/2022

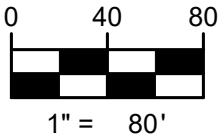
WAQUOIT BAY_2021.DWG



A
39

TYPICAL DREDGE SECTION

HORIZONTAL SCALE: 1"=80'
VERTICAL SCALE: 1"=8'



NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Waquoit Bay Outer Channel
Typical Section

APPLICATION BY:
TOWN OF FALMOUTH

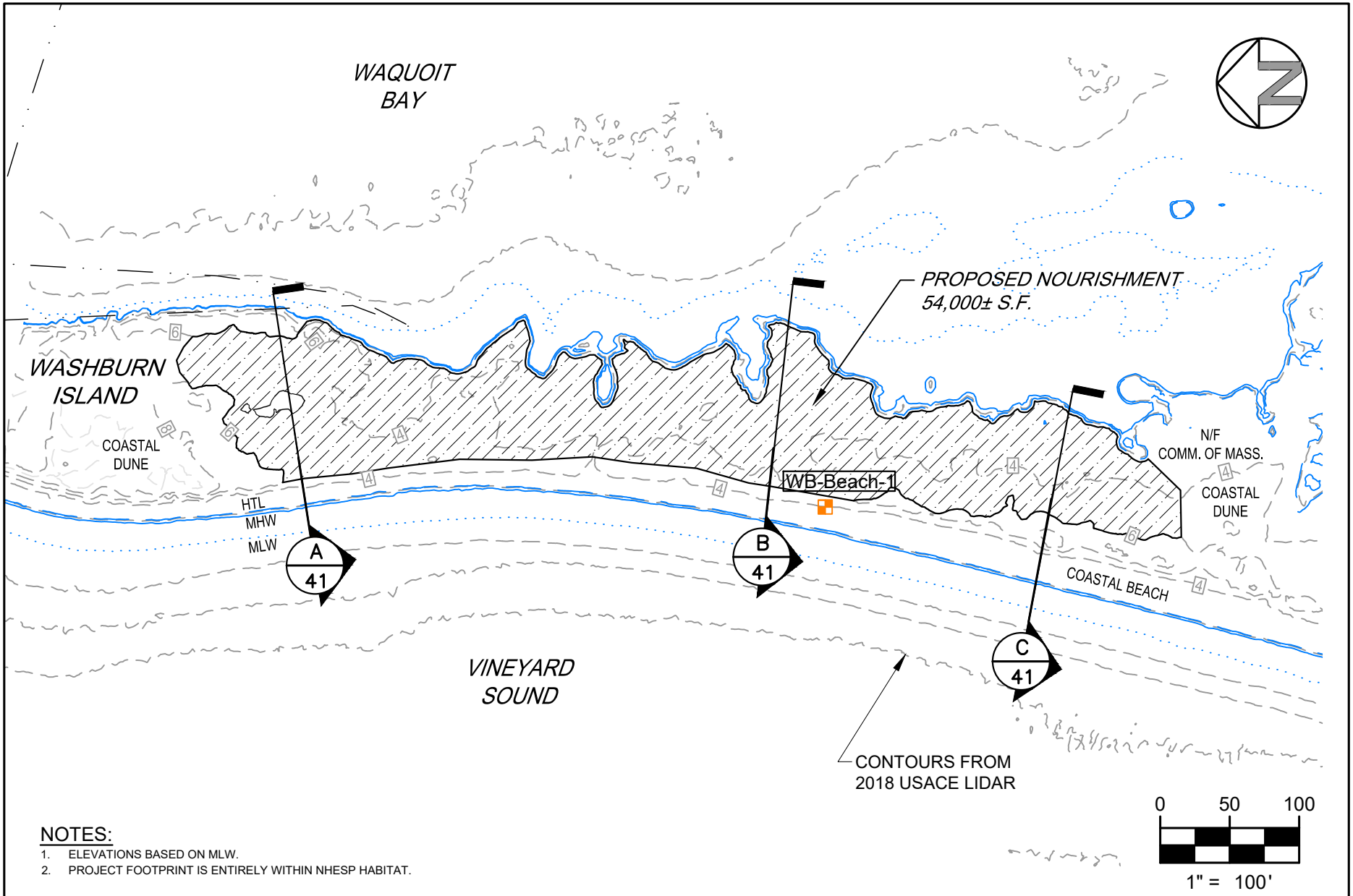
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 40 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

WAQUOIT BAY_2021.DWG



NOTES:

1. ELEVATIONS BASED ON MLW.
2. PROJECT FOOTPRINT IS ENTIRELY WITHIN NHESP HABITAT.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Washburn Island Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

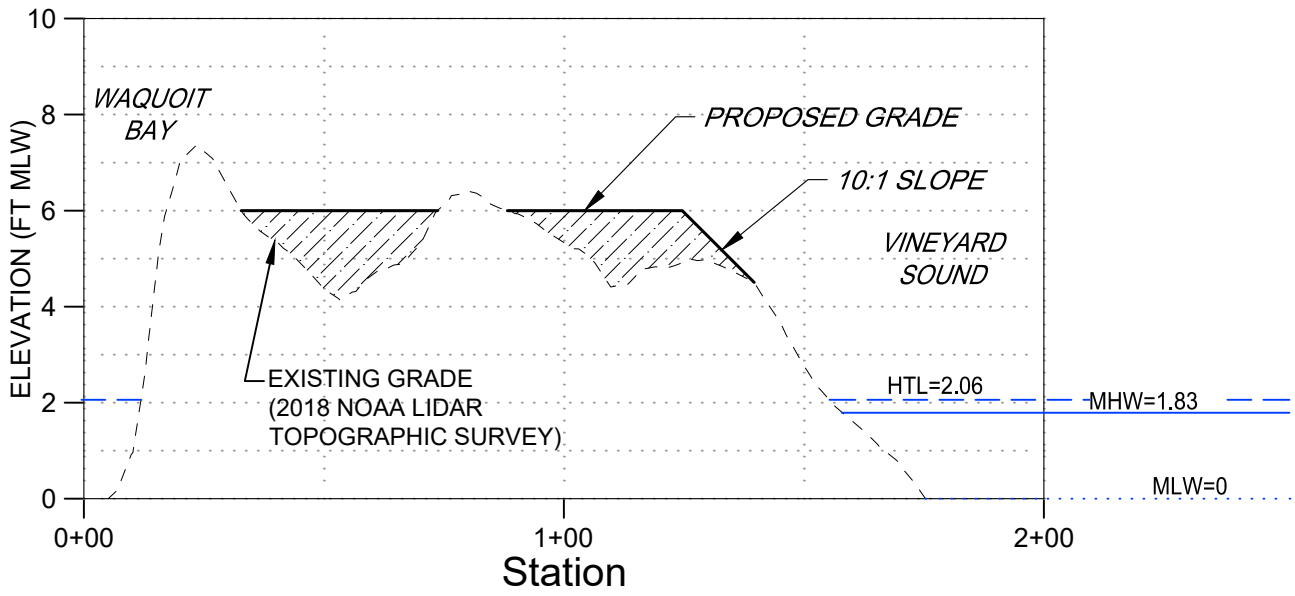
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 41OF 45

DATE: 01/10/2022

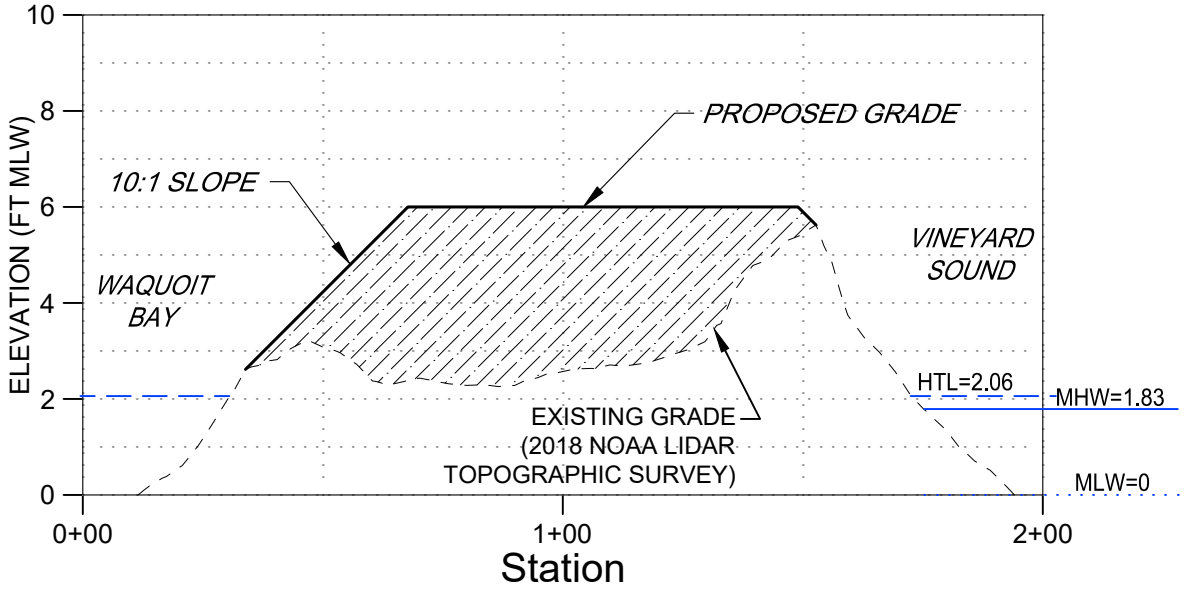
REVISED: 02/28/2022

WASHBURN_2021.DWG



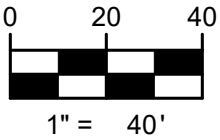
A / 41 TYPICAL NOURISHMENT SECTION

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



B / 41 TYPICAL NOURISHMENT SECTION

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'



NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Washburn Island
Nourishment
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

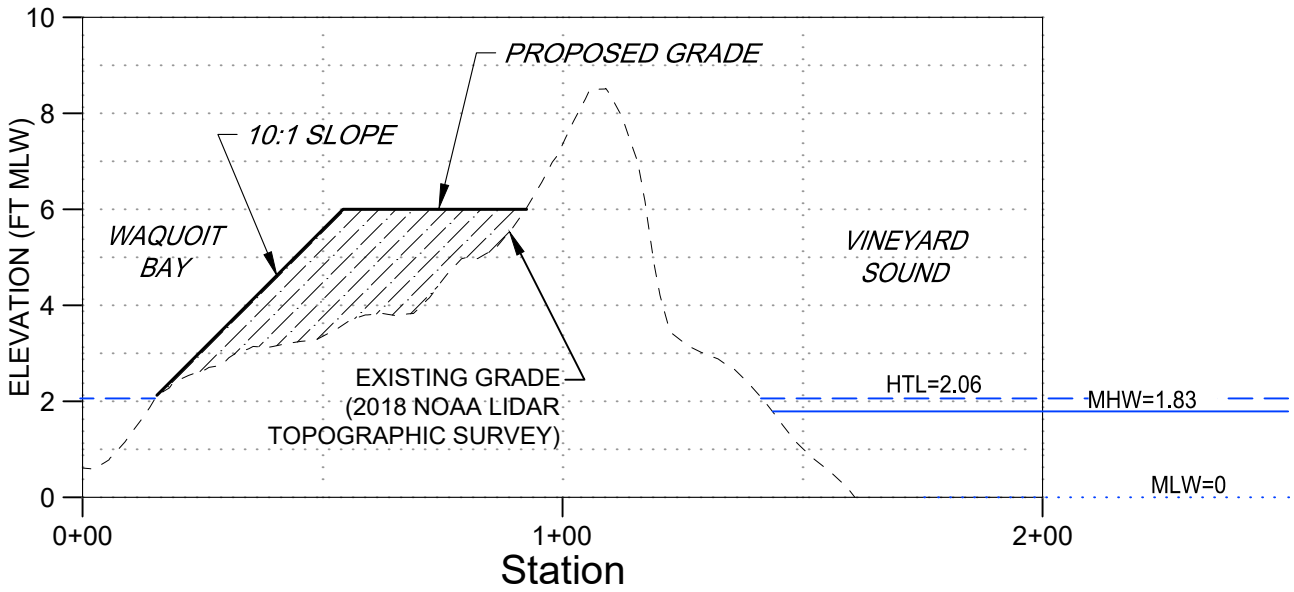
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 42 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

WASHBURN_2021.DWG



C
41

TYPICAL NOURISHMENT SECTION

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=4'

NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Washburn Island
Nourishment
Typical Sections

APPLICATION BY:
TOWN OF FALMOUTH

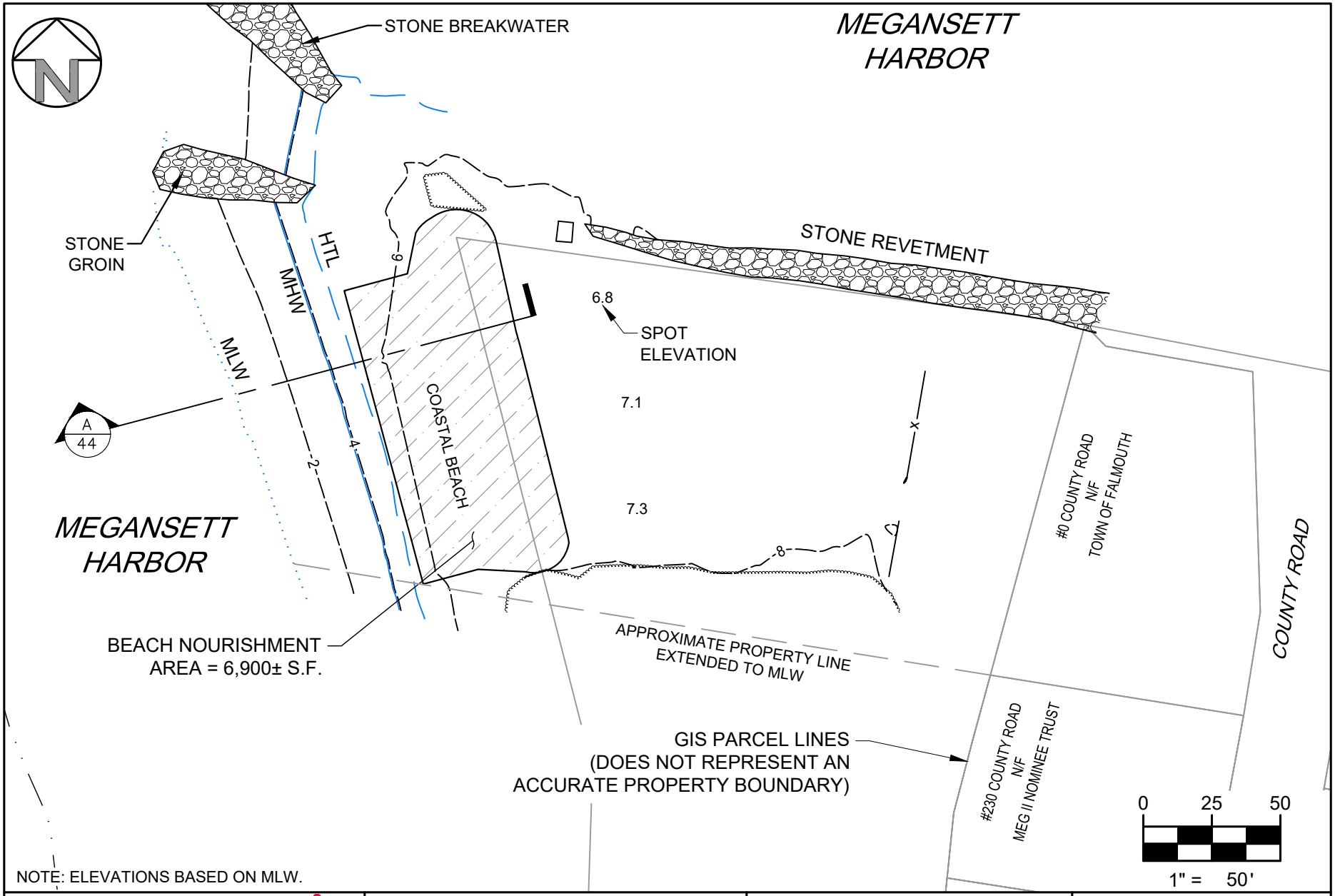
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 43 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

WASHBURN_2021.DWG



NOTE: ELEVATIONS BASED ON MLW.

WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Megansett Beach Nourishment

APPLICATION BY:
TOWN OF FALMOUTH

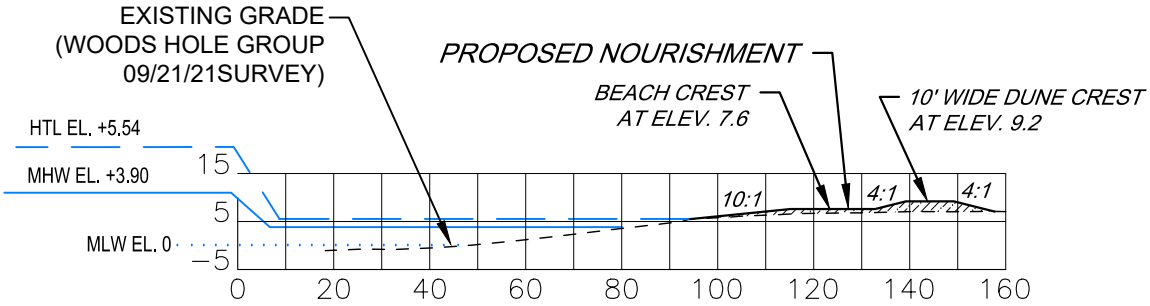
TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 44 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

MEGANSETT BEACH_2021.DWG

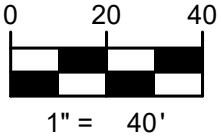


A
44

TYPICAL BEACH NOURISHMENT SECTION

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 40'

NOTE:
ELEVATIONS BASED ON MLW.



WOODS HOLE GROUP
A CLS COMPANY
107 WATERHOUSE ROAD, BOURNE, MA 02532
TELEPHONE: (508) 540-8080 FAX: (508) 540-1001

TITLE:
Megansett Beach
Typical Section

APPLICATION BY:
TOWN OF FALMOUTH

TOWN: FALMOUTH
COUNTY: BARNSTABLE
STATE: MA

SHEET 45 OF 45

DATE: 01/10/2022

REVISED: 02/28/2022

MEGANSETT BEACH_2021.DWG