
State of Rhode Island
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879
(401)783-3370

State of Rhode Island
Department of Environmental Management
Office of Technical and Customer Asst.
235 Promenade Street
Providence, RI 02908-5767
(401)222-6822

JOINT PUBLIC NOTICE

September 10, 2026

Coastal Resources Management Council File: **2026-08-019**
RIDEM Water Quality Certification: **IA – 0000025752**

This office has under consideration the application request of: **Rhode Island Country Club** for a State of Rhode Island Dredge Permit, that includes a State of Rhode Island Water Quality Certification in accordance with the *Rules and Regulations for Dredging and the Management of Dredge Materials* and the *State Water Quality Regulations*. The applicant proposes dredging the Mussachuck Creek Inlet to maintain adequate tidal exchange between Narragansett Bay and the Mussachuck Creek estuarine system.

The proposed dredge area will follow the limits of the previously dredged footprint from the 2006/2007 dredge event. The area will be excavated to a design elevation of -2.2 feet NAVD 88 with 0.5 feet of allowable overdredge which also aligns with previously approved maintenance dredge event template dimensions. Approximately 1,920 cubic yards of sediment will be removed from the inlet channel.

Dredged material will be transported to and beneficially reused on the Applicant's property, specifically within the Rhode Island Country Club driving range. Following placement, the material will be graded, layered with 2"-3" of clean topsoil or loam, and seeded to match existing conditions on the driving range.

for State of Rhode Island Assent (in accordance with the Coastal Resources Management Program), and State of Rhode Island Water Quality Certification (in accordance with Chapter 42-35 pursuant to Chapters 46-12 and 42-17.1 of the RIGL, as amended).

Project Location:	Rhode Island Country Club, Mussachuck Creek Inlet		
Street & Number:	150 Nayatt Road		
City/Town:	Barrington		
Plat Number:	05 and 06	Lot Number:	000-F and 002

Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter. You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

RICRMC/RIDEM Joint Public Notice
CRMC File No. 2026-08-019
RIDEM WQ Cert: IA – 0000025752
September 10, 2026
Page Two

This also serves as notice that the Rhode Island Department of Environmental Management, Office of Water Resources, Water Quality Certification Program has under consideration and review the same proposed activity as described above for compliance with the State's Water Quality Regulations (AUTHORITY: in accordance with Clean Water Act, as amended (33 U.S.C. 1251 et.seq.; Chapter 42-35 pursuant to Chapters 46-12 and 42-17.1 of the Rhode Island General Laws of 1956, as amended).

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing and be received at this office on or before **October 10, 2026**. Please provide comments via email at cstaff1@crmc.ri.gov or via USPS to Coastal Resources Management Council, O. S. Government Center, 4808 Tower Hill Road, Rm 116; Wakefield, RI 02879.

It is expected that objectors will review the application and associates plans thoroughly. Comments that pertain to this Joint Notice must be submitted in writing and must be addressed to Rhode Island Coastal Resources Management Council and Rhode Island Department of Environmental Management at the above referenced addresses.

/lat

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Site Plans & Volume Calculations



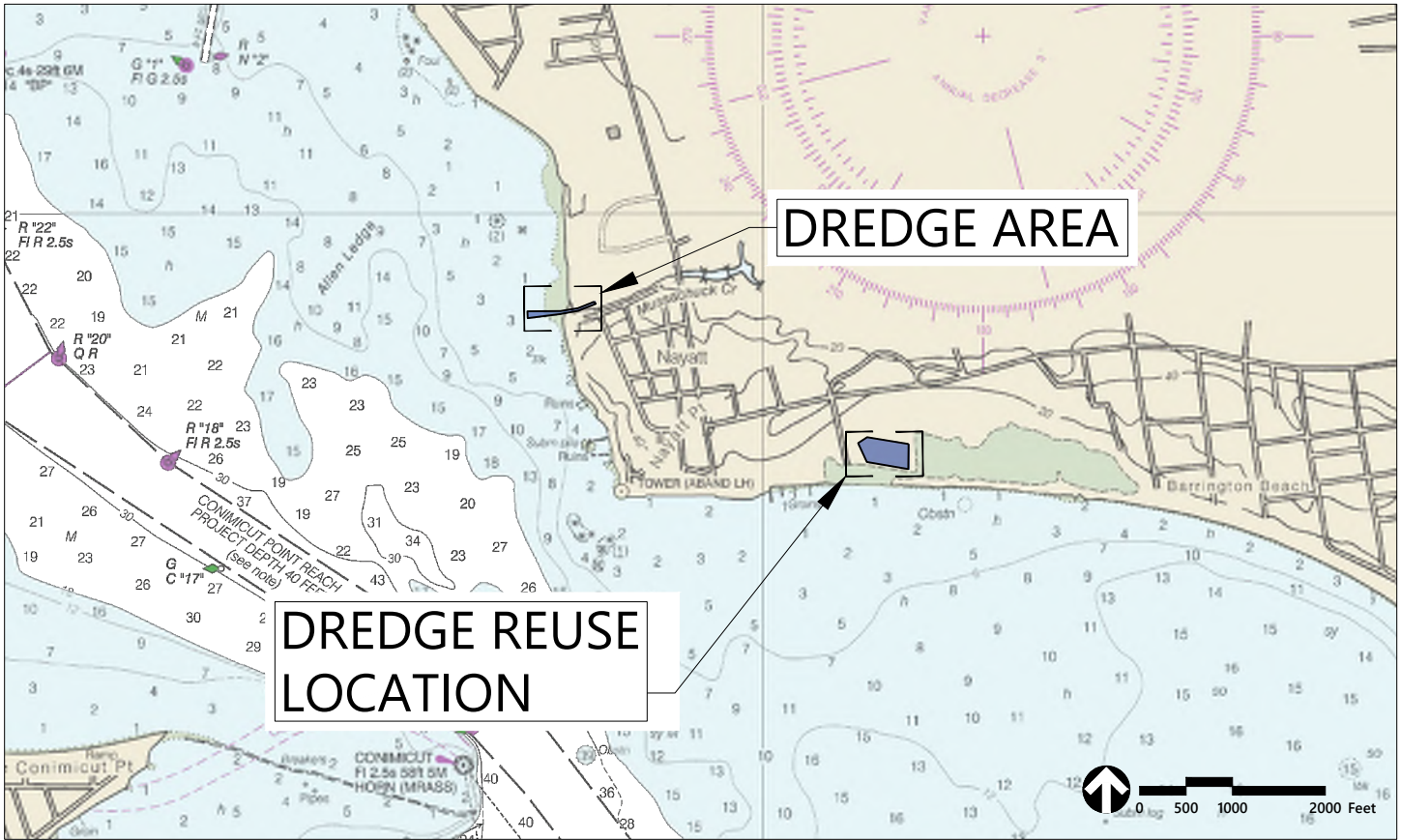
Dredge Plan

Issued for Regulatory Review

DATE ISSUED: **July 17, 2026**
LATEST ISSUED: **----**

Mussachuck Creek Inlet

150 Nayyat Road
Barrington RI



Source: NOAA. "Custom Chart Geospatial Database, Version 3.0C", [date accessed]. Datum: Mean Lower Low Water (MLLW).



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- NOTES:**
- VICINITY CHART WAS OBTAINED FROM NATIONAL OCEANIC AND ATMOSPHERIC ASSOCIATION (NOAA). "CUSTOM CHART GEOSPATIAL DATABASE, VERSION 3.0C", MARCH 17, 2026. <https://devgis.charttools.noaa.gov/pod/> (Accessed: 7/17/2026). SOUNDINGS INCLUDED ON THE CHART REFER TO MEAN LOWER LOW WATER (MLLW) DATUM.
 - STORM SURGE STILL WATER LEVEL (SWL) ELEVATIONS AND BASE FLOOD ELEVATION WERE OBTAINED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA). "FLOOD INSURANCE STUDY (FIS) NUMBER 44001CV000B FOR BRISTOL COUNTY, RHODE ISLAND", JULY 7, 2014. COASTAL TRANSECT #2 WAS USED AS A REFERENCE.
 - HIGH TIDE LINE (HTL) WAS OBTAINED FROM NATIONAL OCEANIC AND ATMOSPHERIC ASSOCIATION (NOAA). "NOAA TIDE PREDICTIONS CONIMICUT LIGHT, RI. THE MAXIMUM ANNUAL PREDICTED HEIGHT WAS USED TO ESTIMATE HTL.
 - TIDAL BENCHMARKS WERE OBTAINED FROM NATIONAL OCEANIC AND ATMOSPHERIC ASSOCIATION (NOAA). "ONLINE VERTICAL DATUM TRANSFORMATION TOOL (VDATUM), VERSION 4.8" (SEPTEMBER, 2025). <https://vdatum.noaa.gov/vdatumweb/> (Accessed: 7/17/2026). LATITUDE 41.730353 AND LONGITUDE -71.341011 WERE USED AS REFERENCES.

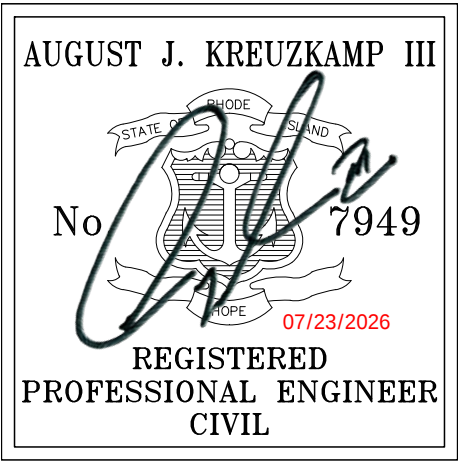
Owner(s)

Rhode Island Country Club
150 Nayyat Road
Barrington RI, 02806

Sheet Index		
No.	Sheet Title	Latest Issue
1	Cover Sheet	
2	Notes	
3	Existing Conditions	
4	Proposed Dredge Excavation	
5	Dredge Section Views	
6	Reuse Placement Plan	
7	Disposal Plan (1 of 2)	
8	Disposal Plan (2 of 2)	

Tidal Datum Benchmark		
Benchmark	Elevation (NAVD88)	Elevation (MLLW)
FEMA Base Flood Elevation (BFE)	18.0	20.4
FEMA 1% Recurrence (100YR) SWL	11.5	13.9
FEMA 2% Recurrence (50YR) SWL	9.6	12.0
FEMA 10% Recurrence (10YR) SWL	6.8	9.2
High Tide Line (HTL)	3.3	5.7
Mean Higher High Water (MHHW)	2.2	4.6
Mean High Water (MHW)	2.0	4.4
North American Veritcal Datum 1988 (NAVD88)	0.0	2.4
Mean Low Water (MLW)	-2.2	0.2
Mean Lower Low Water (MLLW)	-2.4	0.0

Source: FEMA. "FIS Number 44001CV000B (Bristol County, Rhode Island)", July 7, 2014, Transect 2;
NOAA. "NOAA Tide Predictions - Station 84529444 Conimicut Light, RI, Accepted May 06, 2020.
NOAA. "Online Vertical Datum Transformation Tool, Version 4.8, September 2025.



GENERAL NOTES:

- 1. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND PRESERVE ALL EXISTING BENCHMARKS AND TO SET ADDITIONAL BENCHMARKS AS NEEDED TO COMPLETE THE WORK.
- 2. DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- 3. OWNER AND/OR CONTRACTOR TO CONFIRM DREDGE CUT WILL NOT UNDERMINE STRUCTURE FOUNDATIONS.

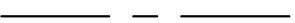
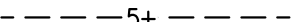
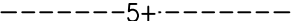
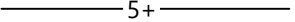
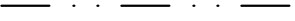
CHART AND BENCHMARK REFERENCES:

- 1. NAVIGATION CHART PRESENTED HEREIN WAS OBTAINED FROM NOAA CHART #13224 FOR THE PROVIDENCE RIVER AND THE HEAD OF THE NARRAGANSETT BAY. SOUNDINGS INCLUDED ON THE CHART REFER TO MEAN LOWER LOW WATER (MLLW) DATUM.
- 2. TIDAL ELEVATIONS WERE OBTAINED FORM NOAA VDATUM ONLINE TOOL USING LAT/LONG COORDINATES IN THE VICINITY OF THE PROJECT AREA.

SITE PLAN REFERENCE NOTES:

- 1. EXISTING SITE CONDITIONS PRESENTED HEREIN ARE BASED ON A COMPILATION OF SITE INFORMATION THAT INCLUDES:
 - 1.1. TOPOGRAPHIC SURVEY PLAN OF THE DREDGE EXCAVATION AREA AND IMMEDIATE VICINITY PERFORMED BY WATERMAN ENGINEERING COMPANY AND PROVIDED ON A PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY PLAN MUSSACHUCK CREEK NAYATT ROAD BARRINGTON, RHODE ISLAND" DATED 5/12/2025.
 - 1.1. EXISTING CONDITIONS LINEWORK WAS DIGITIZED FROM APRIL 2025 ORTHOPHOTOGRAPHY OBTAINED FROM NEARMAP.
 - 1.2. SUPPLEMENTAL TOPOGRAPHY BASED ON 2022 USGS 1-FT LIDAR CONTOURS OBTAINED FROM THE NOAA DATA ACCESS VIEWER.
 - 1.3. THE PROPERTY LINES DEPICTED ON THESE PLANS ARE BASED ON A BOUNDARY OPINION FROM WATERMAN SURVEY ON A PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY PLAN MUSSACHUCK CREEK NAYATT ROAD BARRINGTON, RHODE ISLAND" DATED 5/12/2025, AND SUPPLEMENTED BY THE TOWN OF BARRINGTON, RHODE ISLAND, TAX ACCESSOR MAP PLAT 5 AND 6.
 - 1.4. TOPOGRAPHIC ELEVATIONS ASSOCIATED WITH CONTOURS AND SPOT ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) AND ARE NEGATIVE UNLESS DENOTED WITH A POSITIVE SIGN (+).
- 2. DREDGE EXCAVATION DEPTHS AND SIDE SLOPES ARE DESIGNED TO REPLICATE PREVIOUSLY PERFORMED DREDGING ACTIVITIES AS SHOWN ON CONSTRUCTION PLANS BY EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. TITLED "RHODE ISLAND COUNTRY CLUB RESTORATION PROJECT" DATED 8/16/06.
- 3. SEDIMENT SAMPLING ELEVATIONS ACCOUNT FOR PROPOSED DREDGE DEPTH, OVER DREDGE AN ADDITIONAL ONE (1) FOOT.

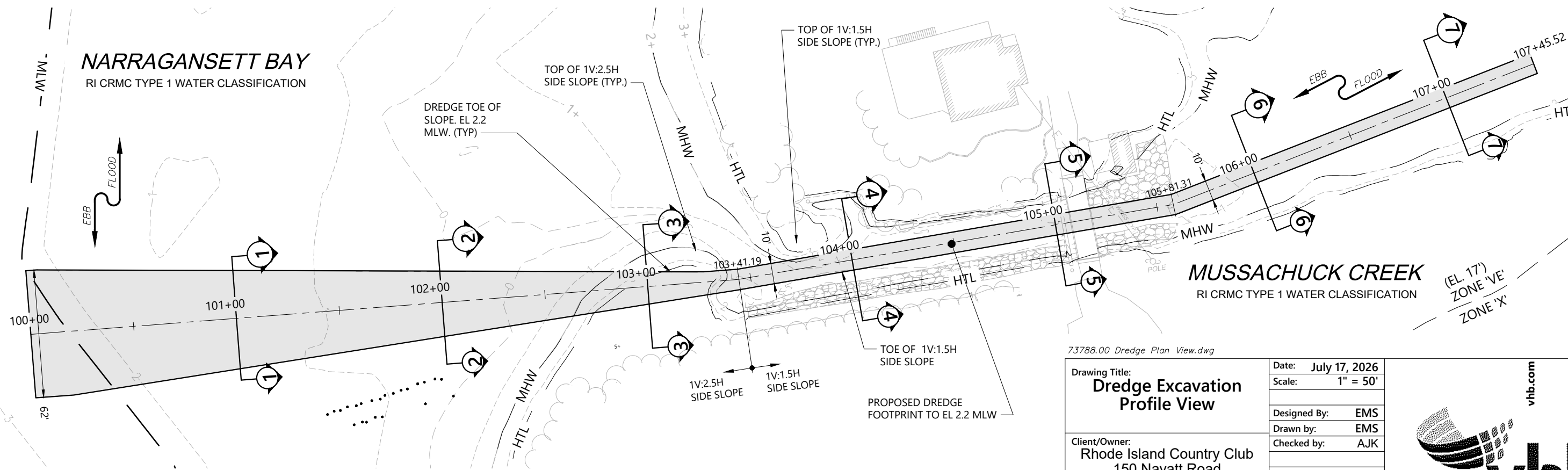
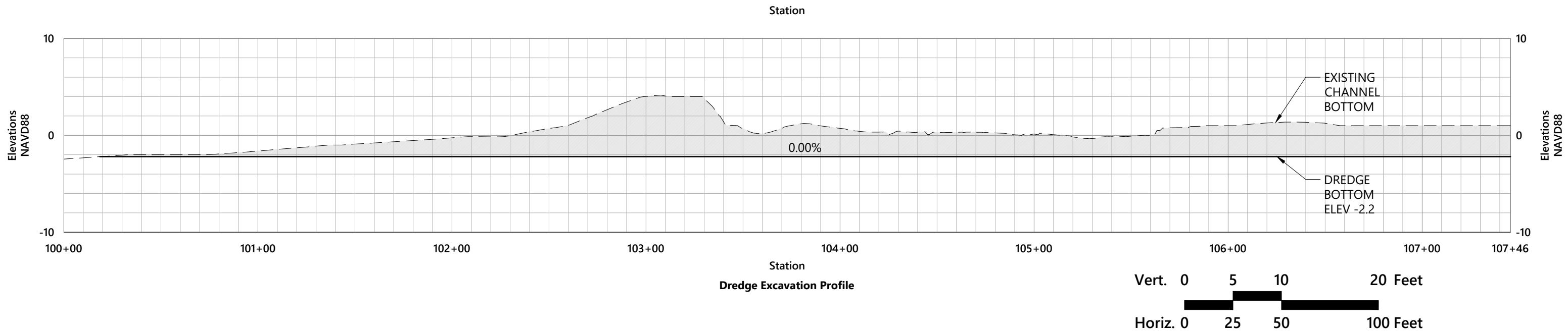
Legend

PROPERTY LINE	
EXISTING MAJOR CONTOUR	
EXISTING MINOR CONTOURS	
PROPOSED CONTOUR	
FLOOD ZONE BOUNDARY	
SAMPLE LOCATION	



73788.00 Notes.dwg

Drawing Title: Notes	Date: July 17, 2026	 vhb.com 1 Cedar Street Suite 400 Providence, RI 02903 401.272.8100
	Scale:	
	Designed By: EMS	
	Drawn by: EMS	
Client/Owner: Rhode Island Country Club 150 Nayatt Road Barrington, RI 02806	Checked by: AJK	
Project Number: 73788.00		
Issued for: Regulatory Review Mussachuck Creek Inlet Maintenance	Sheet 2 of 8	
	Drawing Number: C2.0	



Plan View

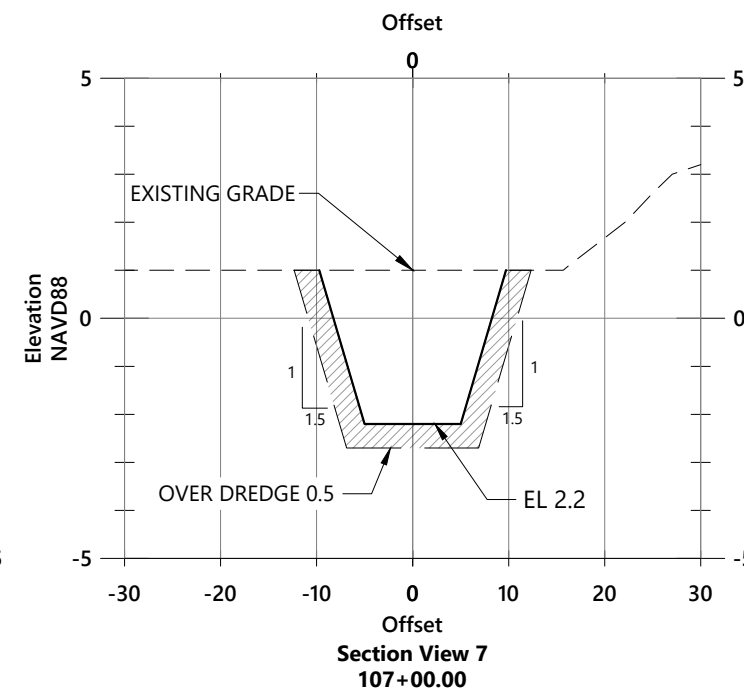
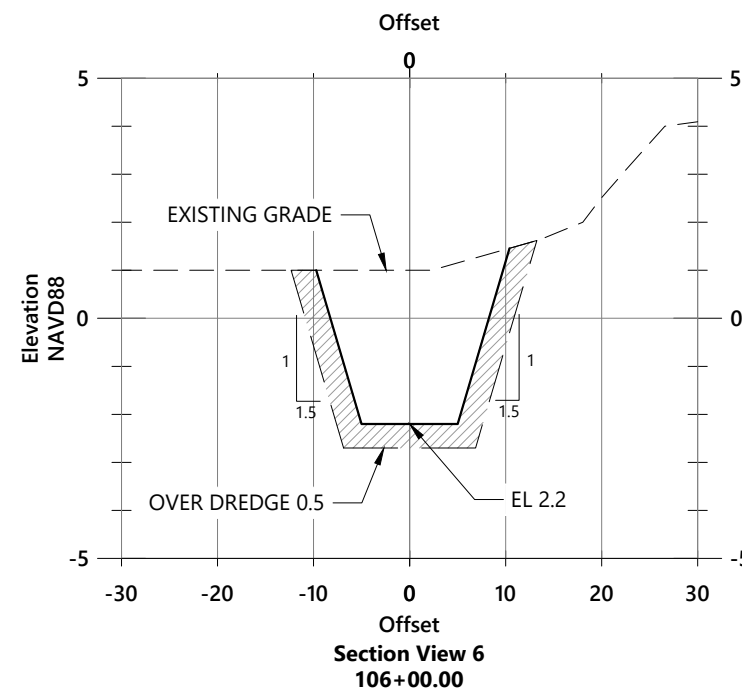
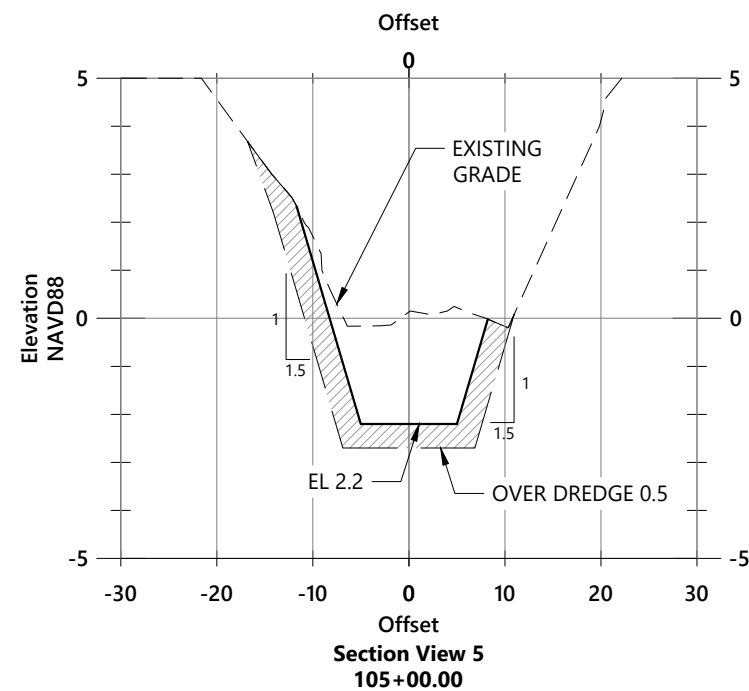
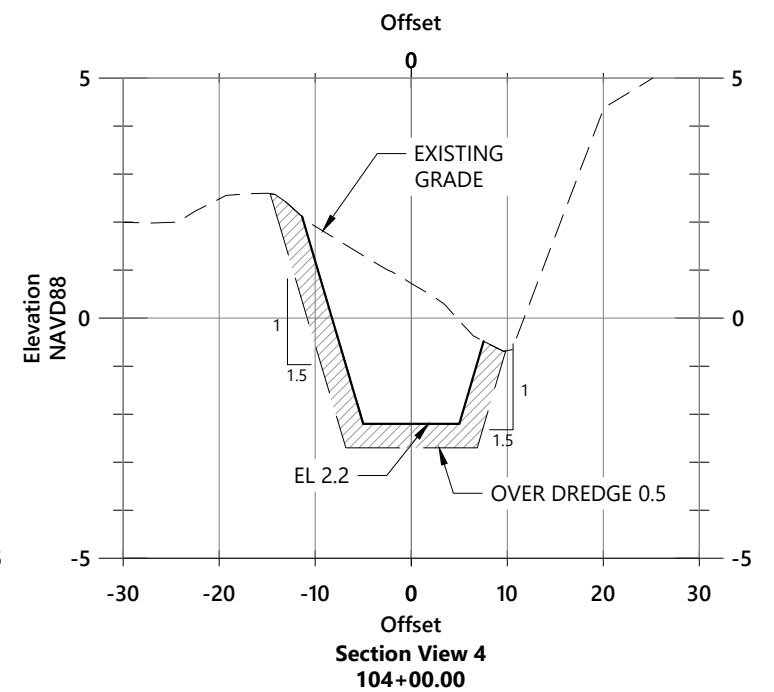
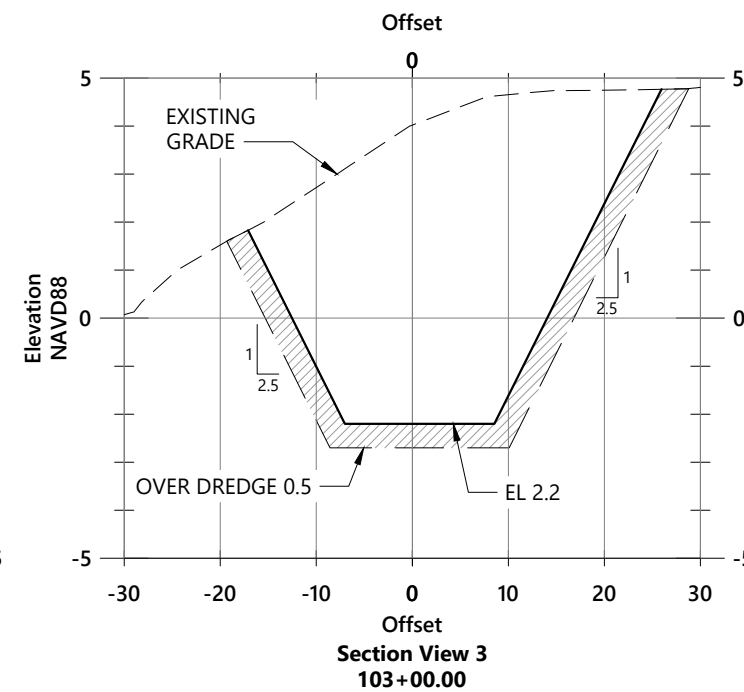
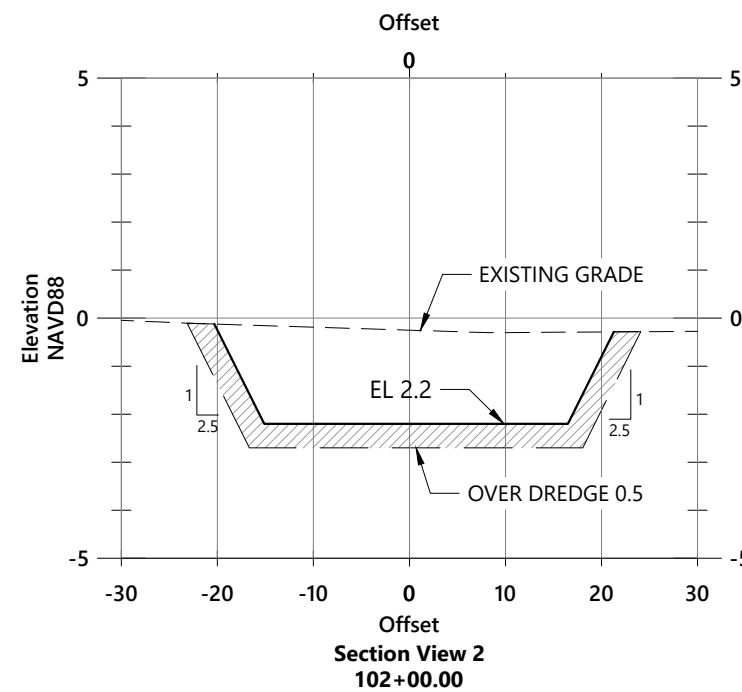
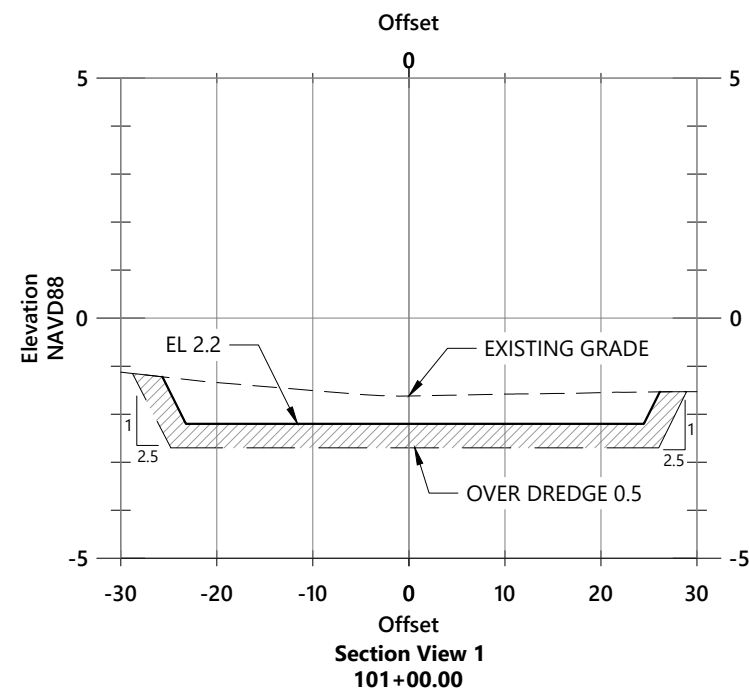


73788.00 Dredge Plan View.dwg

Drawing Title: Dredge Excavation Profile View	Date: July 17, 2026
	Scale: 1" = 50'
Client/Owner: Rhode Island Country Club 150 Nayatt Road Barrington, RI 02806	Designed By: EMS
	Drawn by: EMS
Issued for: Regulatory Review Mussachuck Creek Inlet Maintenance	Checked by: AJK
	Project Number: 73788.00
	Sheet 4 of 8
	Drawing Number: C4.1

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Dredge Volume Summary

Area	22,700± S.F.
Template Volume	1,500± C.Y.
Overdredge Volume	420 ± C.Y
Total Volume	1,920± C.Y.

Vert. 0 2 4 8 Feet
 Horiz. 0 10 20 40 Feet

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Drawing Title:
**Dredge Excavation
Section Views**

Client/Owner:
Rhode Island Country Club
150 Nayatt Road
Barrington, RI 02806

Issued for:
Regulatory Review
Mussachuck Creek
Inlet Maintenance

Date: July 17, 2026

Scale: 1" = 20'

Designed By: EMS

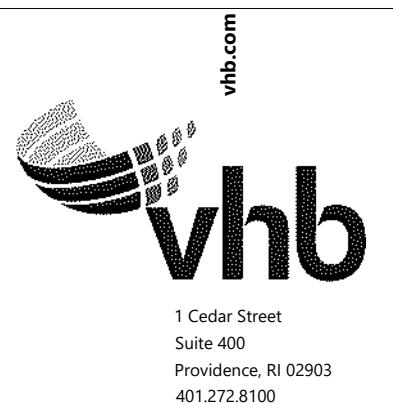
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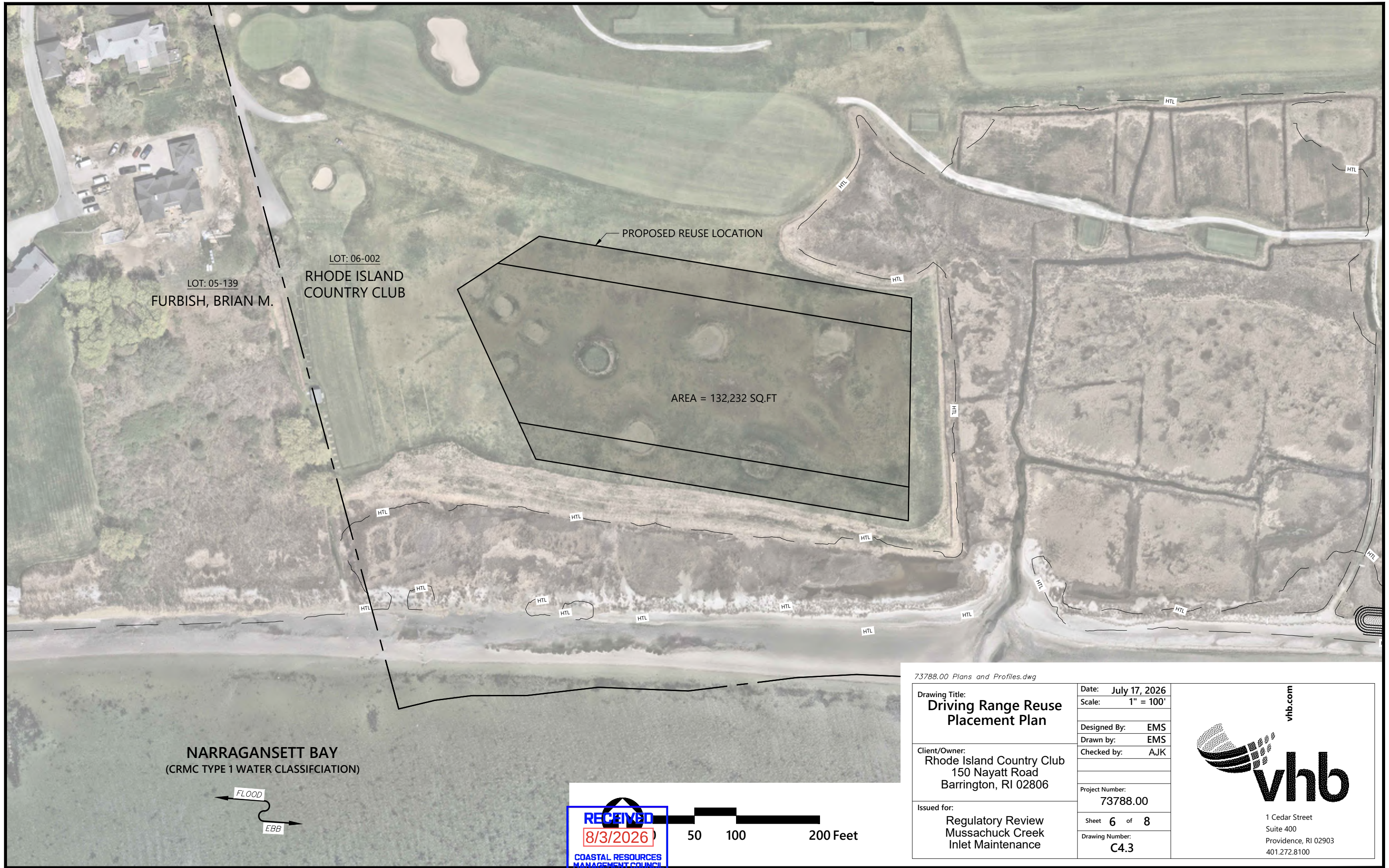
Checked by: AJK

Project Number:
73788.00

Sheet 5 of 8

Drawing Number:
C4.2





73788.00 Plans and Profiles.dwg

Drawing Title:
**Driving Range Reuse
Placement Plan**

Client/Owner:
Rhode Island Country Club
150 Nayatt Road
Barrington, RI 02806

Issued for:
Regulatory Review
Mussachuck Creek
Inlet Maintenance

Date: **July 17, 2026**

Scale: **1" = 100'**

Designed By: **EMS**

Drawn by: **EMS**

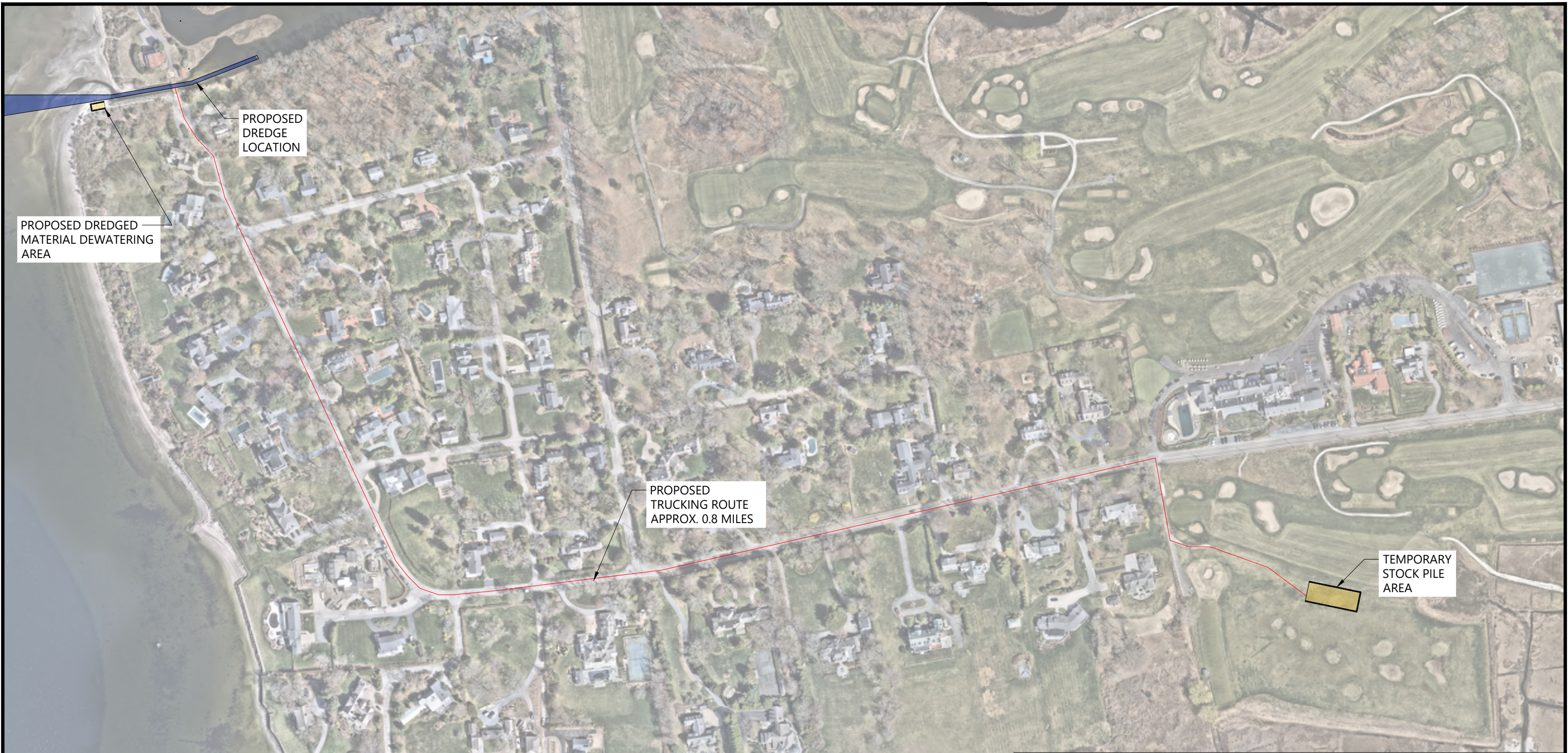
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Project Number:
73788.00

Sheet **6** of **8**

Drawing Number:
C4.3

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PROPOSED DREDGED
MATERIAL DEWATERING
AREA

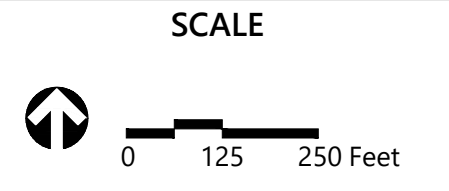
PROPOSED
DREDGE
LOCATION

PROPOSED
TRUCKING ROUTE
APPROX. 0.8 MILES

TEMPORARY
STOCK PILE
AREA



LEGEND	
	TRUCKING ROUTE
	TEMP. STOCKPILE
	DREDGE AREA

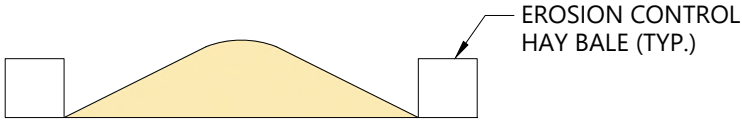


73788.00 Access Plan.dwg

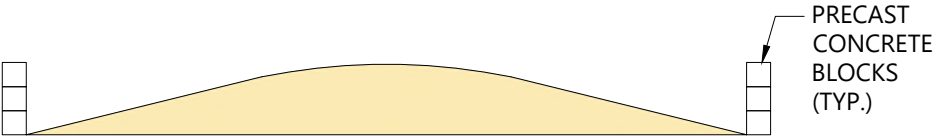
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Client/Owner:	Rhode Island Country Club 150 Nayatt Road Barrington, RI 02806
Issued for:	Regulatory Review Mussachuck Creek Inlet Maintenance

Date:	July 17, 2026
Scale:	1" = 250'
Designed By:	EMS
Drawn by:	EMS
Checked by:	AJK
Project Number:	73788.00
Sheet	7 of 8
Drawing Number:	D-1


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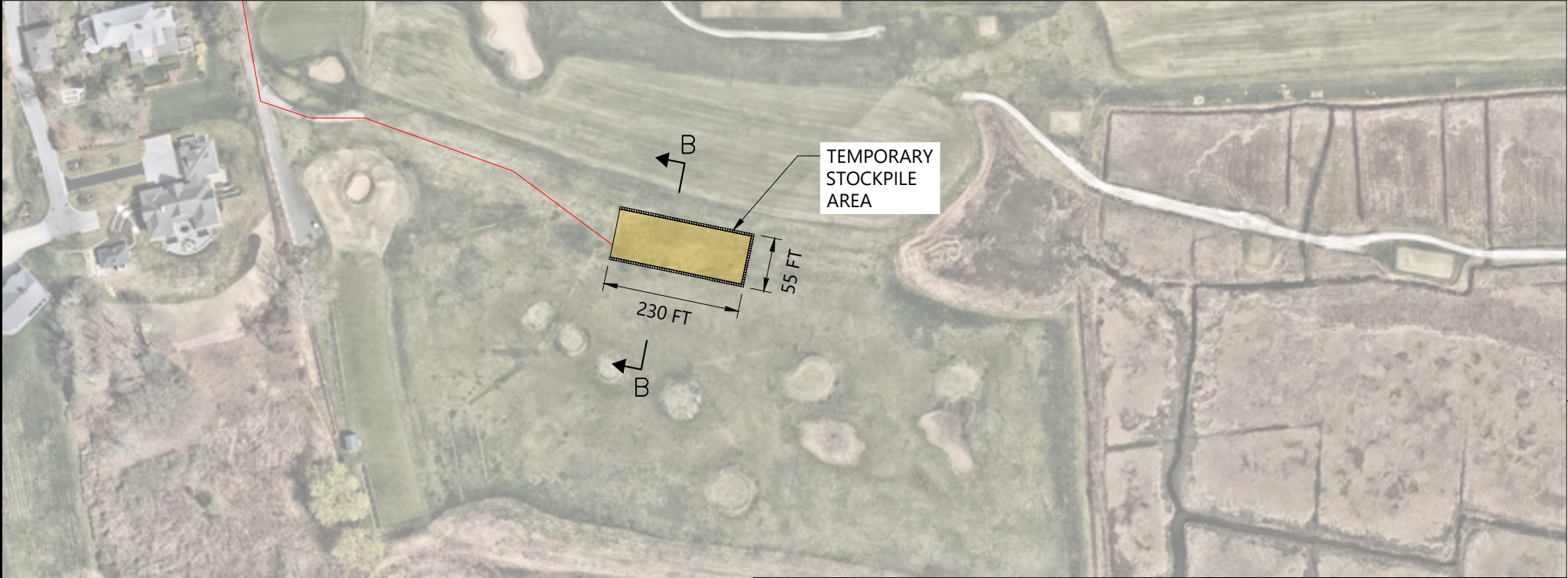


SECTION A-A
PROPOSED DEWATERING AREA CROSS-SECTION
(NTS)



SECTION B-B
PROPOSED STOCKPILE CROSS-SECTION
(NTS)

- NOTES:**
1. DUST AND/OR EROSION CONTROLS SHALL BE IMPLEMENTED FOR ALL DREDGED MATERIAL AS NEEDED.



LEGEND

- TRUCKING ROUTE
- TEMP. STOCKPILE
- DREDGED MATERIAL

SCALE

0 75 150 Feet

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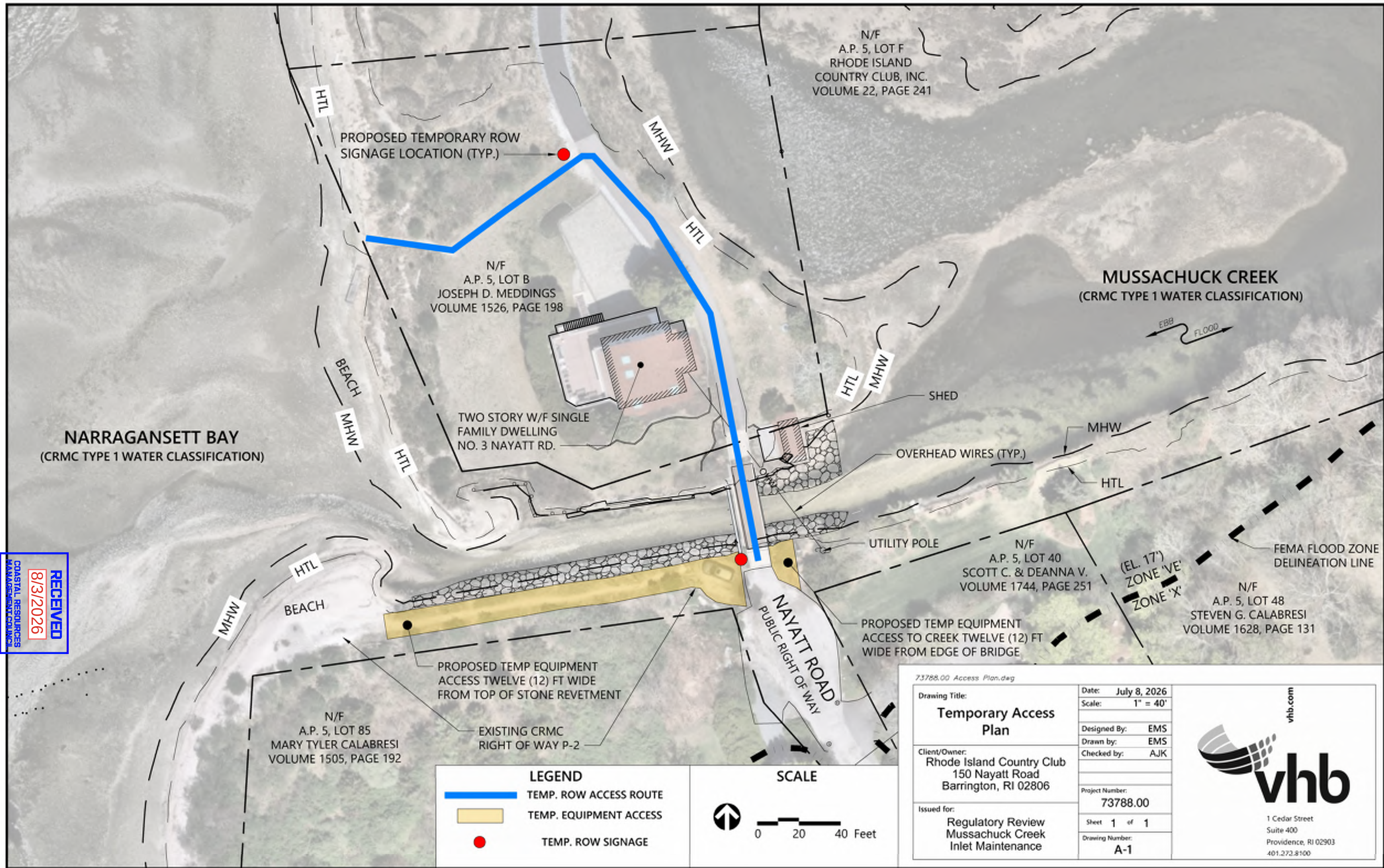
73788.00 Access Plan.dwg		 vhb.com 1 Cedar Street Suite 400 Providence, RI 02903 401.272.8100	
Drawing Title: Dewatering & Stockpile Plan		Date: July 17, 2026	
Client/Owner: Rhode Island Country Club 150 Nayatt Road Barrington, RI 02806		Scale:	
		Designed By: EMS	
		Drawn by: EMS	
Issued for: Regulatory Review Mussachuck Creek Inlet Maintenance		Checked by: AJK	
		Project Number: 73788.00	
		Sheet 8 of 8	
		Drawing Number: D-2	

6

Temporary ROW/Access Plan



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7

Representative Site Photos





Photo 1: View of Mussachuck Creek Inlet from the Nayatt Rd. Bridge. Roughly halfway through an outgoing tide. (Facing West)



Photo 2: View of Mussachuck Creek from the Nayatt Rd. Bridge. Roughly halfway through an outgoing tide. (Facing East)



Photo 3: View of the Mussachuck Creek delta from the western edge of the CRMC ROW. (Facing West)



Photo 4: View of Mussachuck Creek Inlet. Standing on the main plug of material. (Facing the Nayatt Rd. Bridge to the East)



Photo 5: CRMC ROW entrance on the south side of the creek. (Facing West)

8

Approved Sampling Plan and Testing Results



Analytical Results

Results of the chemical and physical analysis from the proposed dredge location are summarized below.

Chemical Analysis

VHB compared the analytical results of the sediment core samples to the Residential Disposal Criteria outlined on the RIDEM & RICRMC approved SAP. Of the three (3) sediment core samples submitted for chemical analysis, results indicated there were no exceedances of the applicable criteria:

An Analytical Data Summary table of the USACE chemical analysis is provided as **Table 1**.

Table 1 - Chemical & Heavy Metals Data Summary					
Mussachuck Creek Dredging - Sediment Analysis					
Parameter	Units	Residential Criteria	Site A / 19915	Site B / 19914	Site C / 19913
Metals					
Arsenic	mg/kg	7.0	1.20	0.65	1.91
Cadmium	mg/kg	39.0	<0.17	<0.15	<0.12
Chromium	mg/kg	390.0	6.13	5.66	7.90
Copper	mg/kg	3,100.0	8.70	6.40	7.40
Lead	mg/kg	150.0	<0.1	<0.1	<0.092
Mercury	mg/kg	23.0	5.46	4.75	8.09
Nickel	mg/kg	1,000.0	8.72	9.44	10.40
Zinc	mg/kg	6,000.0	27.20	22.80	32.00
TPH					
Fuel Oil #2 / Diesel Fuel	mg/kg	-	ND	ND	ND
Fuel Oil #4	mg/kg	-	ND	ND	ND
Fuel Oil #6	mg/kg	-	ND	ND	ND
Kerosene	mg/kg	-	ND	ND	ND
Motor Oil	mg/kg	-	ND	ND	ND
Total TPH	mg/kg	500.0	ND	ND	ND
SVOC (8270 SIM)					
2-Methylnaphthalene	mg/kg	123.0	ND	ND	ND
Acenaphthene	mg/kg	43.0	ND	ND	ND
Acenaphthylene	mg/kg	23.0	ND	ND	0.01
Anthracene	mg/kg	35.0	0.01	ND	0.01
Benzo(a)anthracene	mg/kg	0.9	0.10	0.05	0.10
Benzo(a)pyrene	mg/kg	0.4	0.07	0.03	0.08
Benzo(b)fluoranthene	mg/kg	0.9	0.07	0.03	0.07
Benzo(ghi)perylene	mg/kg	0.8	0.04	0.02	0.04
Benzo(k)fluoranthene	mg/kg	0.9	0.07	0.03	0.07
Chrysene	mg/kg	0.4	0.10	0.05	0.10
Dibenz(a,h)anthracene	mg/kg	0.4	0.01	ND	0.01
Fluoranthene	mg/kg	20.0	0.28	0.09	0.17
Fluorene	mg/kg	28.0	ND	ND	ND
Hexachlorobenzene	mg/kg	0.4	ND	ND	ND
Hexachlorobutadiene	mg/kg	8.2	ND	ND	ND
Indeno(1,2,3-cd)pyrene	mg/kg	0.9	0.05	0.02	0.06
Naphthalene	mg/kg	54.0	ND	ND	ND
Pentachlorophenol	mg/kg	5.3	ND	ND	ND
Phenanthrene	mg/kg	40.0	0.15	0.03	0.08
Phenol	mg/kg	6000.0	ND	ND	ND
Pyrene	mg/kg	13.0	0.19	0.06	0.14
Pyridine	mg/kg	-	ND	ND	ND
PCBs					
PCB-1016	mg/kg	-	ND	ND	ND
PCB-1221	mg/kg	-	ND	ND	ND
PCB-1232	mg/kg	-	ND	ND	ND
PCB-1242	mg/kg	-	ND	ND	ND
PCB-1248	mg/kg	-	ND	ND	ND
PCB-1254	mg/kg	-	ND	ND	ND
PCB-1260	mg/kg	-	ND	ND	ND
PCB-1262	mg/kg	-	ND	ND	ND
PCB-1268	mg/kg	-	ND	ND	ND
Total PCBs	mg/kg	10.0	ND	ND	ND

Notes: Phoenix Labs created their own internal sample ID #'s as follows:

Site A = 19915

Site B = 19914

Site C = 19913

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Physical Analysis

The three samples ranged from coarse gravel to fine sands with traces of silt. The entrance to the inlet (Sample Site C) contained a larger concentration of gravel and coarse to medium sand with traces of fine sand and silt.

As the samples move up the creek (from west to east), the grain size distribution gradually shifts from coarser material to finer material which aligns accurately with visual field observations during sample collection.

Overall, the bulk of the material is in the range of fine gravel to medium to fine sand. The largest quantity of material to be dredged is at the entrance to the inlet near Sample Site C so it can be expected that the bulk of material to be dredged and disposed of at the driving range will fall in the fine gravel to medium sand range.

The physical analysis for samples from the proposed dredge area are summarized in **Table 2**.

Table 2 - Physical Data Summary				
Mussachuck Creek Dredging - Sediment Analysis				
Parameter	Units	Site A/19915	Site B/19914	Site C/19913
General Chemistry				
Moisture	%	27.0	27.0	9.0
Solids, Total	%	73.0	73.0	91.0
Grain Size (Sieve Analysis)				
Cobble	%	0.0	0.0	0.0
Coarse Gravel	%	0.0	5.4	10.4
Fine Gravel	%	17.2	22.0	32.4
Coarse Sand	%	11.1	9.8	12.7
Medium Sand	%	49.2	44.6	38.8
Fine Sand	%	20.5	17.3	5.0
Total Fines	%	2.0	0.9	0.7

Notes: Phoenix Labs created their own internal sample ID #'s as follows:

Site A = 19915

Site B = 19914

Site C = 19913

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MANAGEMENT COUNCIL

RIDEM & CRMC SAP



APPENDIX 1

Date: _____ Applicant(s): _____

Project Name: _____ Address: _____

Estimated Volume of Dredge (cy): _____ New (cy): _____ Maintenance (cy): _____

Area of Dredge (sf): _____ Depth of Dredge: _____

Proposed Disposal Location (include Plat/Lot if on land): _____

WQ Class of Dredge Area (if known): _____ GW Class of Disposal Area (if, known): _____

Sediment Sampling Plan for Dredging Projects

Submit Site plan 8½" x 11" (Google Earth printout and Navigation Chart or engineered plans) Mark all within 200' of proposed dredge limits:

- ☐ Outfalls and Gas docks or any other potential areas of contamination
☐ eelgrass, salt marsh, flounder or shellfish habitat
☐ Proposed dredge footprint and average depth of dredge

Proposed Depth of Samples _____
Proposed Coring Method _____

of Sampling Locations _____

Submit Proposed Analysis and detection limits depending on disposal location: The detection limits for an analyte should be no greater than one-third (one-half log unit) of the appropriate value for the analyte and matrix of concern. Whenever possible, an MDL of three to five times below the criteria is expected. If the criteria are Non-Detect then the procedures and MRL's set forth in the OTM (USEPA and USACE 1991) below are appropriate to follow. In-water disposal must meet all Army Corps Requirements.

Place a ☐ **CHECK** in each box you are proposing to sample and **CIRCLE** intended laboratory method.

Sample	Beach Criteria	CAD Cap Criteria	GA Leachability Criteria TCLP/SPLP	Residential Disposal Criteria ¹	Commercial/Industrial Exposure ²	TCLP Criteria for Haz. Waste ³	Acceptable EPA Method(s)	MRL**
Grain Size	☐ <10% silt/clay	☐	☐	☐	☐	☐		
% Moisture	☐ <25%	☐	☐	☐	☐	☐		
TPH	☐ ND	☐	☐ 500 mg/kg	☐ 500 mg/kg	☐ 2500 mg/kg		SW 8015C	100 mg/Kg
SVOC	☐	☐	☐ Table 2 ³	☐ Table 1 ¹	☐ Table 1 ²		8270 SIM	10 ug/Kg
PCB	☐ *ND	☐ 0.4 mg/kg	☐ 10 mg/kg	☐ 10 mg/kg	☐ 10 mg/kg		8082	* .02 mg/Kg
PAH		☐ 4.0 mg/kg					8270- Six (6) Tier 1 compounds	
Arsenic (As)	☐ 1.7 mg/kg	☐ 10 mg/kg		☐ 7.0 mg/kg	☐ 7.0 mg/kg	☐ 5.0 mg/L	6010,6020,7061,7062,7000, 7010	0.4 mg/Kg
Cadmium (Cd)	☐ 1 mg/kg	☐ 5 mg/kg	☐ 0.03 mg/L	☐ 39 mg/kg	☐ 1000 mg/kg	☐ 1.0 mg/L	6010,6020,7000,7010	0.07 mg/Kg
Chromium (Cr)	☐ 10 mg/kg	☐ 100 mg/kg	☐ 1.1 mg/L	☐ 390 mg/kg	☐ 10000 mg/kg	☐ 5.0 mg/L	6010,6020,7000,7010	0.5 mg/Kg
Copper (Cu)	☐ 10 mg/kg	☐ 200 mg/kg		☐ 3100 mg/kg	☐ 10000 mg/kg		6010,6020,7000,7010	0.5 mg/Kg
Lead (Pb)	☐ 25 mg/kg	☐ 100 mg/kg	☐ 0.04 mg/L	☐ 150 mg/kg	☐ 500 mg/kg	☐ 5.0 mg/L	6010,6020,7000, 7010	0.5 mg/Kg
Mercury (Hg)	☐ 0.5 mg/kg	☐ 0.5 mg/kg	☐ 0.02 mg/L	☐ 23 mg/kg	☐ 610 mg/kg	☐ 0.2 mg/L	7470,7471,7472	0.07 mg/Kg
Nickel (Ni)	☐ 5 mg/kg	☐ 50 mg/kg	☐ 1 mg/L	☐ 1000 mg/kg			6010, 6020,7000, 7010	0.5 mg/Kg
Zinc (Zn)	☐ 25 mg/kg	☐ 200 mg/kg		☐ 6000 mg/kg			6010,6020,7000,7010	1.0 mg/Kg
TCLP or SPLP							1311 or 1312	
Barium (Ba)						☐ 100 mg/L	6010, 6020	
Selenium (Se)						☐ 1.0 mg/L	6010, 6020, 7741, 7742	
Silver (Ag)						☐ 5.0 mg/L	6010, 6020	

* For each arachlor **For Beach Criteria - any other MRL should be at least three to five times below the criteria

¹ Residential Direct Exposure Criteria are defined in Table 1 in Section 8 of the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases.

² Commercial/Industrial Direct Exposure Criteria are defined in Table 1 in Section 8 of the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases.

³ GA Leachability Criteria are defined in Table 2 in Section 8 of the Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases.

Approvals

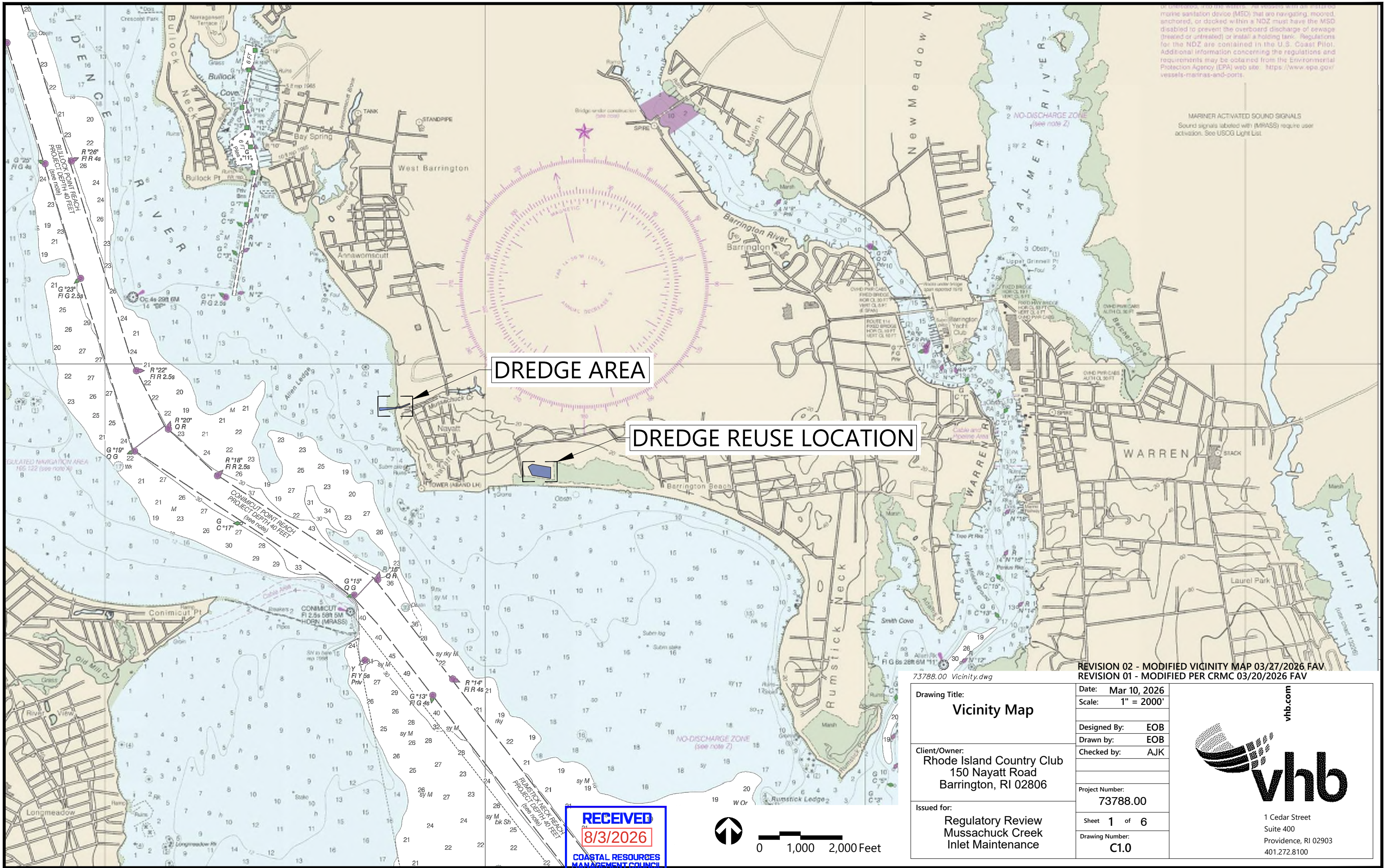
Dredge Coordinator (CRMC) : _____ Date: _____

WQC Program (DEM): _____ Date: _____

GW Program (DEM), if upland _____ Date: _____

Dredge Coordinator (DEM): _____ Date: _____





or discharge into the water. No vessels with an onboard marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: <https://www.epa.gov/vessels-marinas-and-ports>.

MARINER ACTIVATED SOUND SIGNALS
Sound signals labeled with (MIRASS) require user activation. See USCG Light List

DREDGE AREA

DREDGE REUSE LOCATION

REVISION 02 - MODIFIED VICINITY MAP 03/27/2026 FAV
REVISION 01 - MODIFIED PER CRMC 03/20/2026 FAV

73788.00 Vicinity.dwg

Drawing Title:
Vicinity Map

Client/Owner:
Rhode Island Country Club
150 Nayatt Road
Barrington, RI 02806

Issued for:
Regulatory Review
Mussachuck Creek
Inlet Maintenance

Date: **Mar 10, 2026**
Scale: **1" = 2000'**

Designed By: **EOB**
Drawn by: **EOB**
Checked by: **AJK**

Project Number:
73788.00

Sheet **1** of **6**
Drawing Number:
C1.0

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

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0 1,000 2,000 Feet

GENERAL NOTES:

- 1. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN AND PRESERVE ALL EXISTING BENCHMARKS AND TO SET ADDITIONAL BENCHMARKS AS NEEDED TO COMPLETE THE WORK.
- 2. DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- 3. OWNER AND/OR CONTRACTOR TO CONFIRM DREDGE CUT WILL NOT UNDERMINE STRUCTURE FOUNDATIONS.

CHART AND BENCHMARK REFERENCES:

- 1. NAVIGATION CHART PRESENTED HEREIN WAS OBTAINED FROM NOAA CHART #13224 FOR THE PROVIDENCE RIVER AND THE HEAD OF THE NARRAGANSETT BAY. SOUNDINGS INCLUDED ON THE CHART REFER TO MEAN LOWER LOW WATER (MLLW) DATUM.
- 2. TIDAL ELEVATIONS WERE OBTAINED FORM NOAA VDATUM ONLINE TOOL USING LAT/LONG COORDINATES IN THE VICINITY OF THE PROJECT AREA.

SITE PLAN REFERENCE NOTES:

- 1. EXISTING SITE CONDITIONS PRESENTED HEREIN ARE BASED ON A COMPILATION OF SITE INFORMATION THAT INCLUDES:
 - 1.1. TOPOGRAPHIC SURVEY PLAN OF THE DREDGE EXCAVATION AREA AND IMMEDIATE VICINITY PERFORMED BY WATERMAN ENGINEERING COMPANY AND PROVIDED ON A PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY PLAN MUSSACHUCK CREEK NAYATT ROAD BARRINGTON, RHODE ISLAND" DATED 5/12/2025.
 - 1.1. EXISTING CONDITIONS LINEWORK WAS DIGITIZED FROM APRIL 2025 ORTHOPHOTOGRAPHY OBTAINED FROM NEARMAP.
 - 1.2. SUPPLEMENTAL TOPOGRAPHY BASED ON 2022 USGS 1-FT LIDAR CONTOURS OBTAINED FROM THE NOAA DATA ACCESS VIEWER.
 - 1.3. THE PROPERTY LINES DEPICTED ON THESE PLANS ARE BASED ON A BOUNDARY OPINION FROM WATERMAN SURVEY ON A PLAN TITLED "PARTIAL TOPOGRAPHIC SURVEY PLAN MUSSACHUCK CREEK NAYATT ROAD BARRINGTON, RHODE ISLAND" DATED 5/12/2025, AND SUPPLEMENTED BY THE TOWN OF BARRINGTON, RHODE ISLAND, TAX ACCESSOR MAP PLAT 5 AND 6.
 - 1.4. TOPOGRAPHIC ELEVATIONS ASSOCIATED WITH CONTOURS AND SPOT ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) AND ARE NEGATIVE UNLESS DENOTED WITH A POSITIVE SIGN (+).
- 2. DREDGE EXCAVATION DEPTHS AND SIDE SLOPES ARE DESIGNED TO REPLICATE PREVIOUSLY PERFORMED DREDGING ACTIVITIES AS SHOWN ON CONSTRUCTION PLANS BY EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. TITLED "RHODE ISLAND COUNTRY CLUB RESTORATION PROJECT" DATED 8/16/06.
- 3. SEDIMENT SAMPLING ELEVATIONS ACCOUNT FOR PROPOSED DREDGE DEPTH, OVER DREDGE AN ADDITIONAL ONE (1) FOOT.

Legend

PROPERTY LINE	_____
EXISTING MAJOR CONTOUR	- - - -5+ - - - -
EXISTING MINOR CONTOURS	-----5+-----
PROPOSED CONTOUR	_____5+_____
FLOOD ZONE BOUNDARY	— . . — . . —
SAMPLE LOCATION	

TIDAL DATUM TABLE (NOT TO SCALE)

	MLLW	NAVD88
HIGH TIDE LINE (HTL)	+5.8'	+3.4'
MEAN HIGHER HIGH WATER (MHHW)	+4.6'	+2.2'
MEAN HIGH WATER (MHW)	+4.4'	+2.0'
NORTH AMERICAN VERTICAL DATUM+1988 (NAVD88)	+2.4'	0.0'
MEAN LOW WATER (MLW)	+0.2'	-2.2'
MEAN LOWER LOW WATER (MLLW)	0.0'	-2.4'

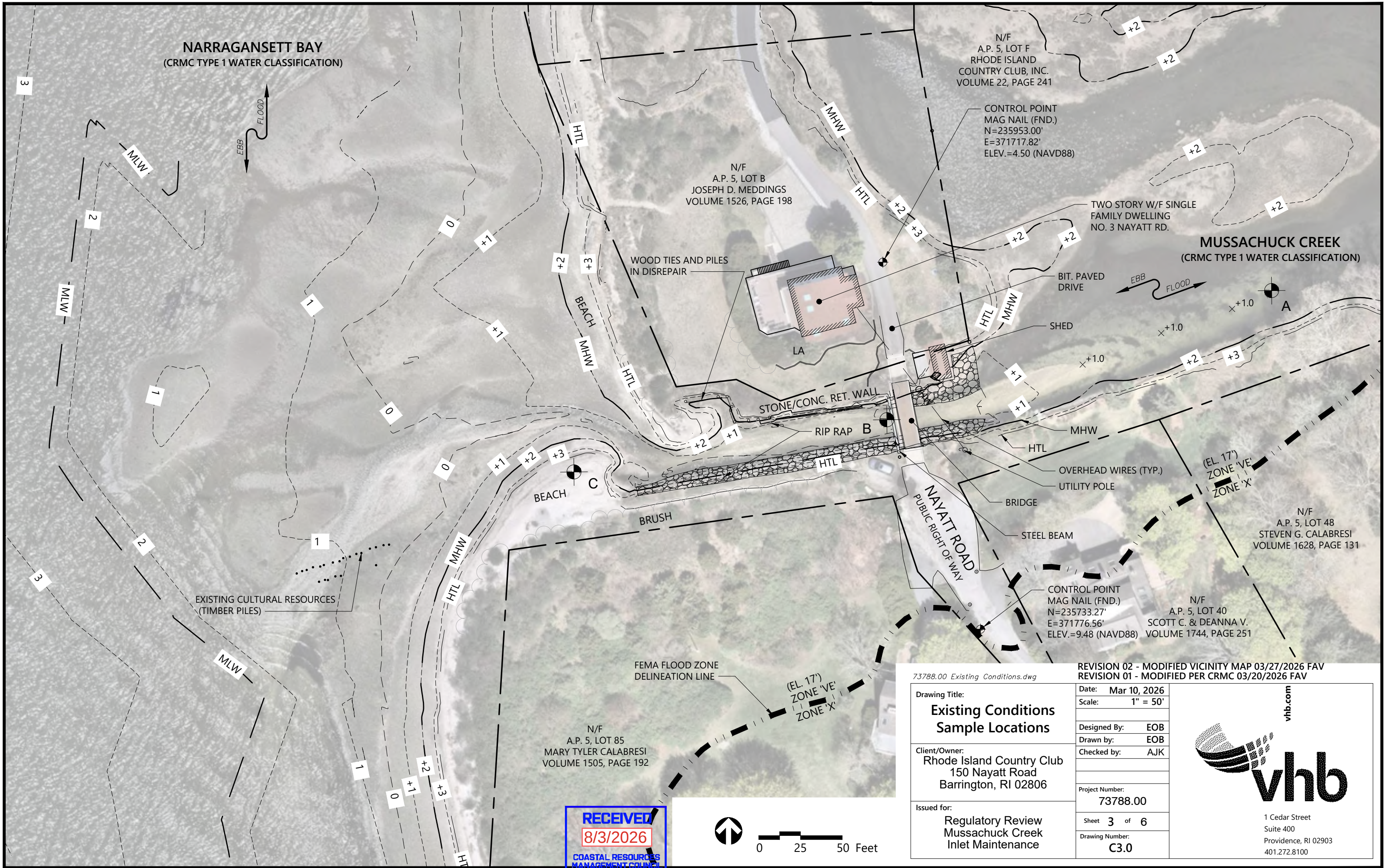


73788.00 Notes.dwg

Drawing Title:	Notes	Date:	Mar 10, 2026
		Scale:	
		Designed By:	EOB
		Drawn by:	EOB
Client/Owner:	Rhode Island Country Club 150 Nayatt Road Barrington, RI 02806	Checked by:	AJK
		Project Number:	73788.00
Issued for:	Regulatory Review Mussachuck Creek Inlet Maintenance	Sheet	2 of 6
		Drawing Number:	C2.0



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Suite 400
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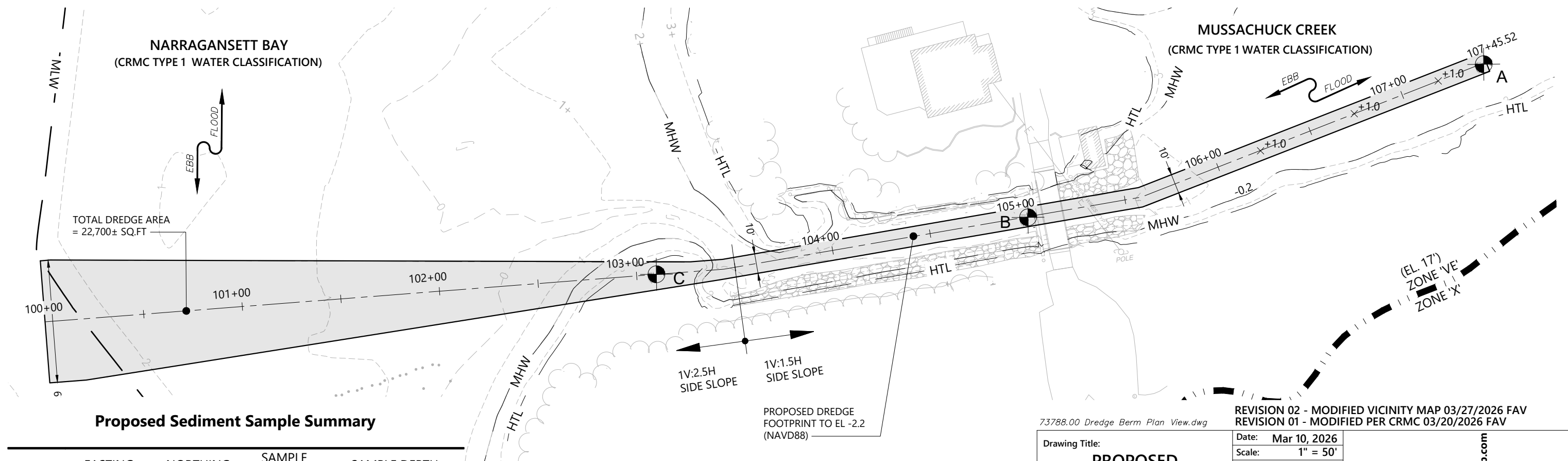
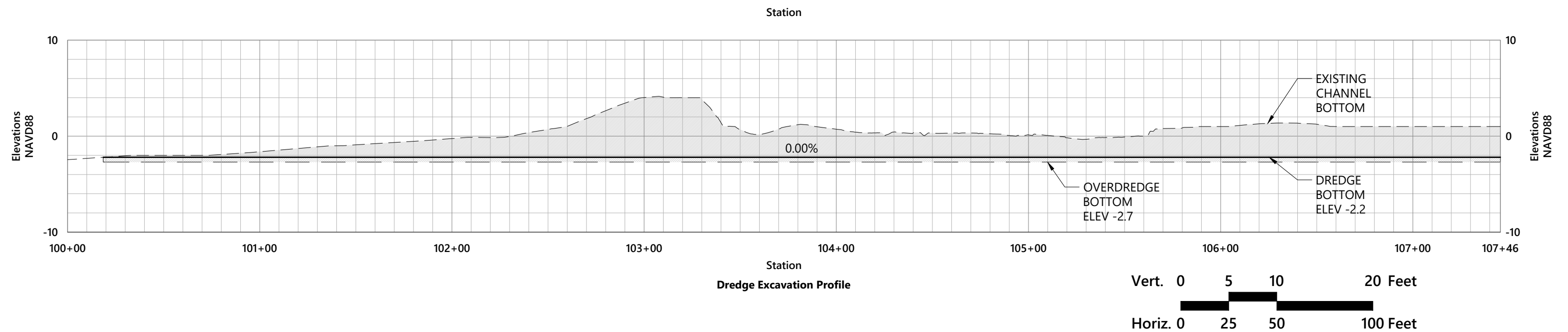


73788.00 Existing Conditions.dwg		REVISION 02 - MODIFIED VICINITY MAP 03/27/2026 FAV REVISION 01 - MODIFIED PER CRMC 03/20/2026 FAV	
Drawing Title: Existing Conditions Sample Locations		Date:	Mar 10, 2026
Client/Owner: Rhode Island Country Club 150 Nayatt Road Barrington, RI 02806		Scale:	1" = 50'
Issued for: Regulatory Review Mussachuck Creek Inlet Maintenance		Designed By:	EOB
		Drawn by:	EOB
		Checked by:	AJK
		Project Number:	73788.00
		Sheet	3 of 6
		Drawing Number:	C3.0



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Proposed Sediment Sample Summary

SAMPLE #	EASTING (NAD83)	NORTHING (NAD83)	SAMPLE DEPTH (NAVD88)	SAMPLE DEPTH (BELOW MUDLINE, FT)
A	371950.752	235936.138	EL. -3.7	4.7
B	371720.369	235858.827	EL. -3.7	3.7
C	371532.256	235829.432	EL. -3.7	7.1

Plan View



73788.00 Dredge Berm Plan View.dwg

Drawing Title:
**PROPOSED
DREDGE EXCAVATION**

Client/Owner:
Rhode Island Country Club
150 Nayatt Road
Barrington, RI 02806

Issued for:
Regulatory Review
Mussachuck Creek
Inlet Maintenance

REVISION 02 - MODIFIED VICINITY MAP 03/27/2026 FAV
REVISION 01 - MODIFIED PER CRMC 03/20/2026 FAV

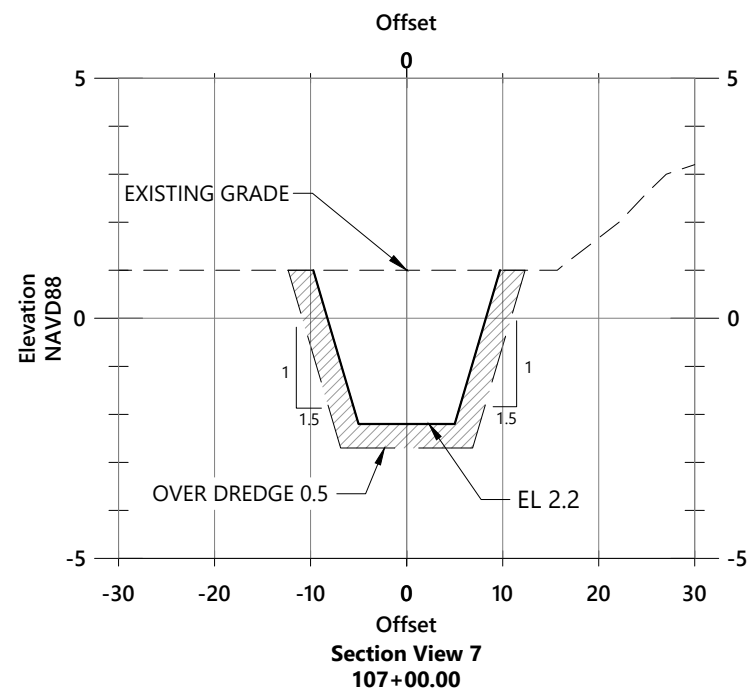
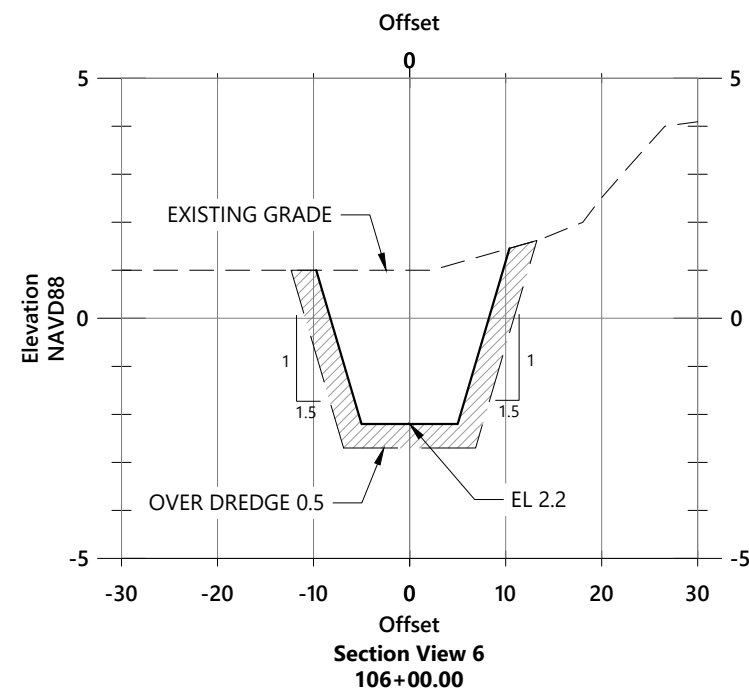
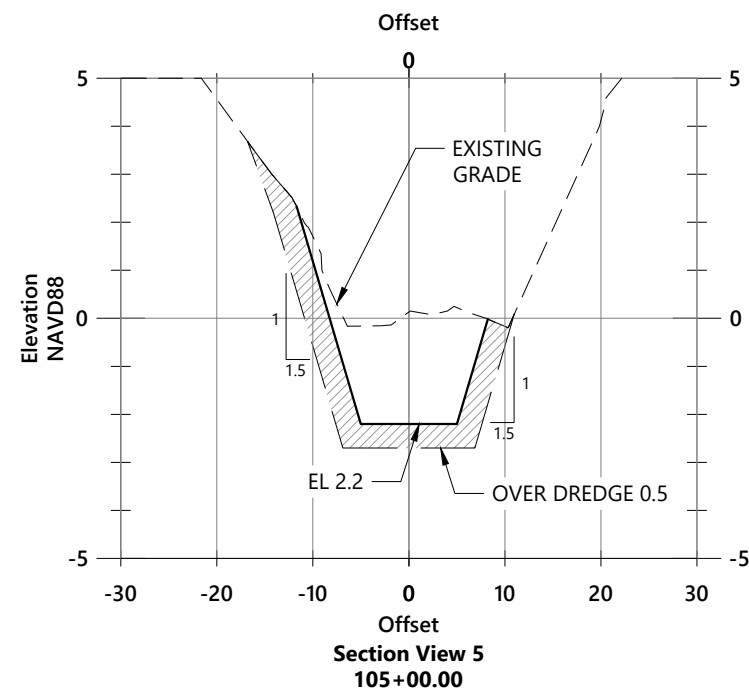
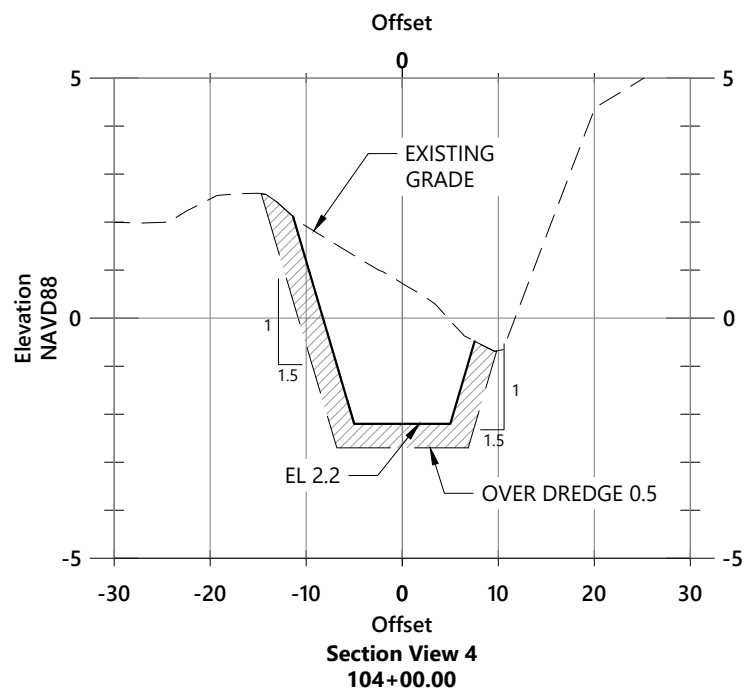
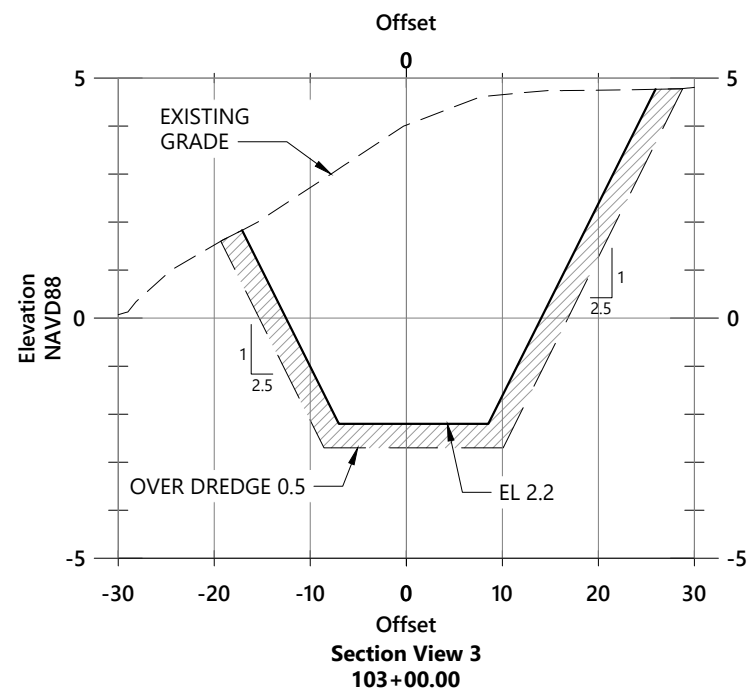
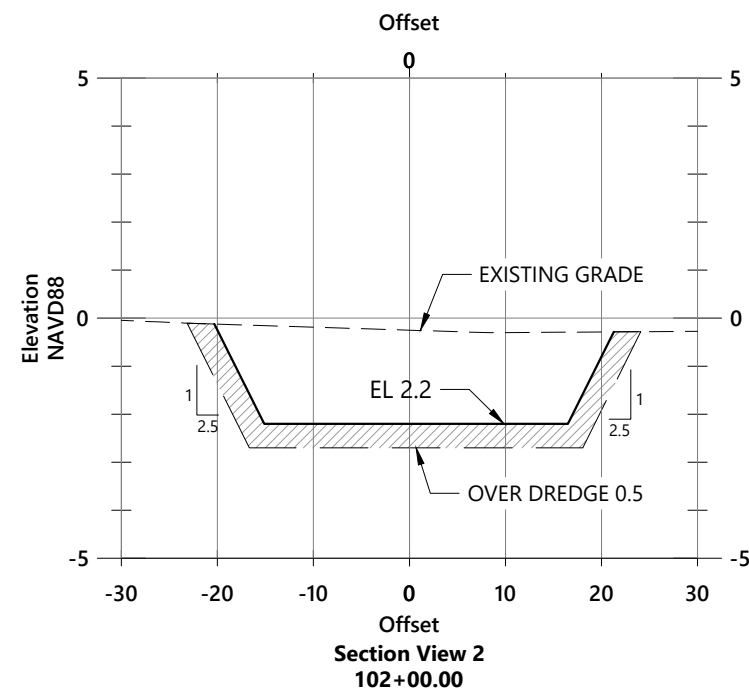
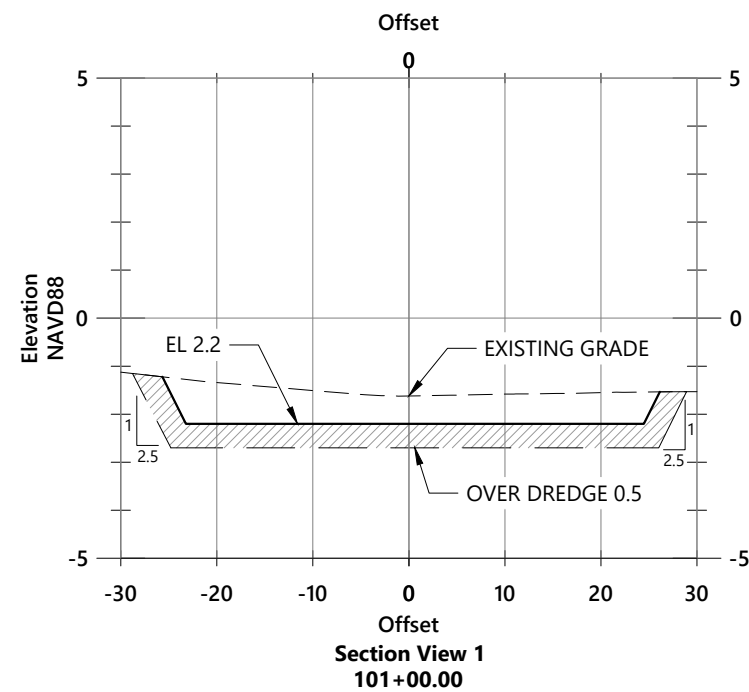
Date: Mar 10, 2026
Scale: 1" = 50'

Designed By: EOB
Drawn by: EOB
Checked by: AJK

Project Number:
73788.00

Sheet 4 of 6
Drawing Number:
C4.1





Dredge Volume Summary

Area	22,700± S.F.
Template Volume	1,500± C.Y.
Overdredge Volume	420 ± C.Y.
Total Volume	1,920± C.Y.

Vert. 0 2 4 8 Feet

Horiz. 0 10 20 40 Feet

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Drawing Title:
**Dredge Excavation
Section Views**

Client/Owner:
Rhode Island Country Club
150 Nayatt Road
Barrington, RI 02806

Issued for:
Regulatory Review
Mussachuck Creek
Inlet Maintenance

REVISION 02 - MODIFIED VICINITY MAP 03/27/2026 FAV
REVISION 01 - MODIFIED PER CRMC 03/20/2026 FAV

Date: Mar 10, 2026

Scale: 1" = 20'

Designed By: EOB

Drawn by: EOB

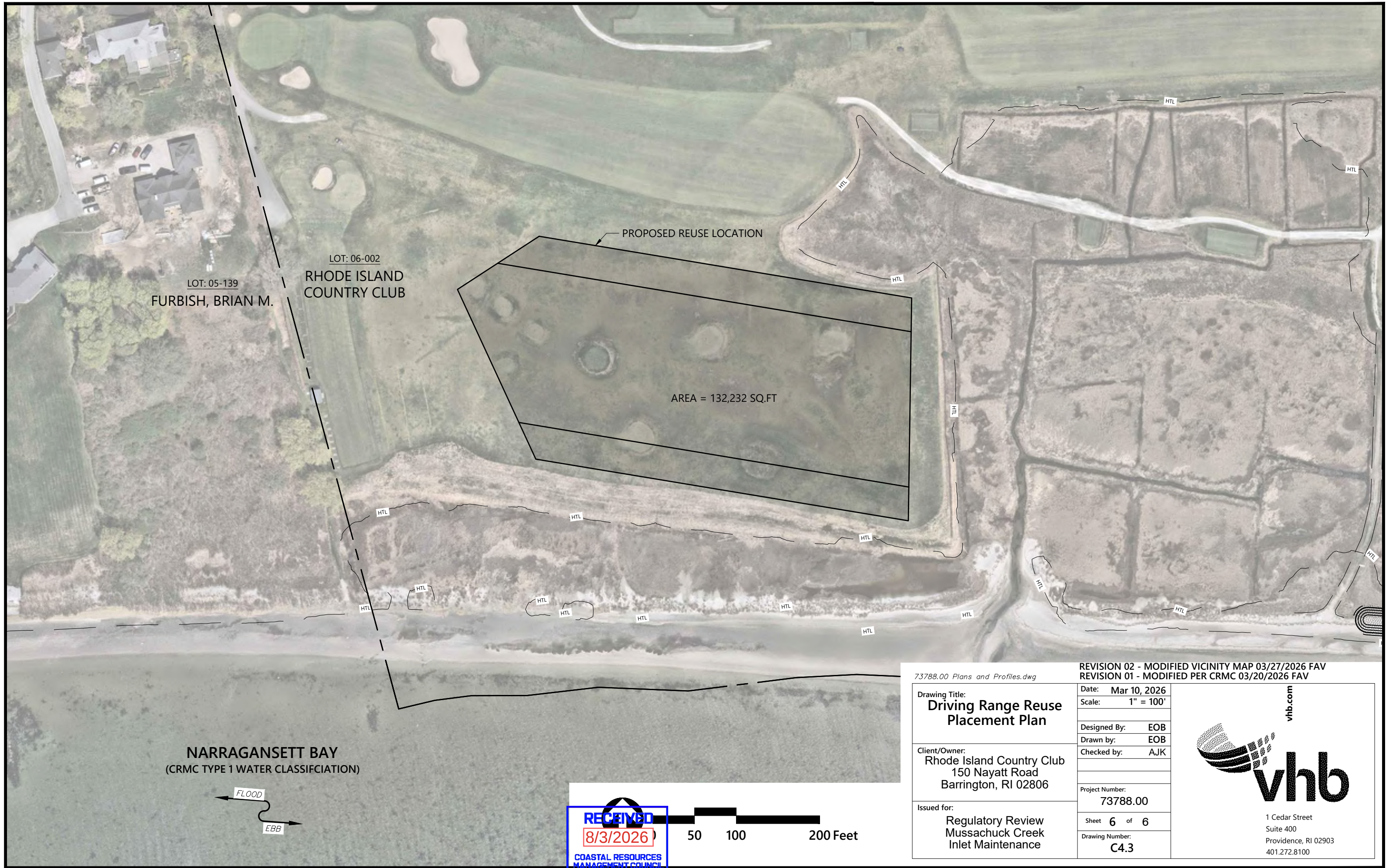
Checked by: AJK

Project Number:
73788.00

Sheet 5 of 6

Drawing Number:
C4.2





73788.00 Plans and Profiles.dwg		REVISION 02 - MODIFIED VICINITY MAP 03/27/2026 FAV	
Drawing Title: Driving Range Reuse Placement Plan		Date:	Mar 10, 2026
Client/Owner: Rhode Island Country Club 150 Nayatt Road Barrington, RI 02806		Scale:	1" = 100'
Issued for: Regulatory Review Mussachuck Creek Inlet Maintenance		Designed By:	EOB
		Drawn by:	EOB
		Checked by:	AJK
		Project Number:	73788.00
		Sheet	6 of 6
		Drawing Number:	C4.3



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