



REGULAR MEETING – HARBOR MANAGEMENT COMMISSION AGENDA

**JANUARY 22, 2025, 6:00 PM
BY ZOOM VIRTUAL MEETING**

To allow public access, anyone may access a meeting by telephone and/or Zoom, or a recording in the City of Norwalk YouTube channel. Specific instructions and links can be found at norwalkct.gov/meetings.



Members of the public may call in to participate. Callers will not be able to see the meeting participants. All participants will be muted upon entering the meeting. To speak, dial *9 on the phone and you will be called on by the host of the meeting during the public comment section. All speakers must state their name and address. Comments must be on a topic on the agenda, and are limited to three minutes. Anyone disrupting the orderly conduct of the meeting, including by using threatening, hateful, or sexually-explicit language, will be removed. Please find the information using the link above.



Members of the public who wish to provide "live comments" may also use the Zoom meeting platform. All participants will be muted upon entering the meeting. To speak, click the "raise your hand indicator" and you will be called by the host of the meeting during the public comment section. All speakers must state their name and address. Comments must be on a topic on the agenda, and are limited to three minutes. Anyone disrupting the orderly conduct of the meeting, including by using threatening, hateful, or sexually-explicit language, will be removed. Please find the information using the link above.



Members of the public who wish to provide public comment are encouraged to submit those via email in advance of the meeting. For these comments to be included into the record, they must be submitted by 12:00 p.m. the day of the meeting. Please email Amelia Williams at amelia.williams@norwalkct.gov with the subject line "Public Comment" to provide written public comment prior to the meeting.

- I. **CALL TO ORDER**
- II. **ROLL CALL**
- III. **PUBLIC PARTICIPATION**
- IV. **CORRESPONDENCE**
- V. **ACCEPTANCE OF MINUTES**
 - A. **Regular Meeting: December 18th, 2024**
- VI. **APPLICATION REVIEW COMMITTEE**
 - A. **46 Shorehaven Road – Pre-submission Consultation: The applicant proposes to construct a pier, ramp, landing float, and floating dock for recreational boating.**

- B. 17 Mack Street – Certificate of Permission: The applicant has submitted an application to CT DEEP for maintenance dredging at the South Norwalk Boat Club.

VII. REPORTS

A. Chairperson

B. Shellfish Commission

C. Staff

- 1. Harbor Master
- 2. Consultant

D. Committee

- 1. Mooring and Harbor Safety
- 2. Finance
- 3. Plans and Recommendations
- 4. Newsletter/Website
- 5. Water Quality
- 6. Nominating

VIII. ADJOURNMENT

**CITY OF NORWALK
NORWALK HARBOR MANAGEMENT COMMISSION
REGULAR MEETING
DECEMBER 18, 2024**

ATTENDANCE: Jeff Mangels, Vice-Chair; Chris MacDonnell; Mike Matthews; Dr. John Pinto; Chris White; Laurie Jones, Secretary; Matt Gifford

ABSENT: Alan Kibbe, Chair; Don Remson

STAFF: Amelia Williams

OTHER: Bruce Lovallo, Harbor Master; Steve Bartush, Shellfish Commission; Justin Bisceglie, Marine PD; Robert Stowers, Recreation & Parks; Owen Lee, Deputy Harbor Master

CALL TO ORDER/PLEDGE

Vice-Chair Mangels called the meeting to order at 6:03 P.M. There was a quorum present.

ROLL CALL

A Roll Call of those present was performed.

PUBLIC COMMENT

Ms. Amelia Williams reported that four emails have been received and forwarded to all Commissioners regarding the 30 South Beach Drive 4/40 dock application.

Ms. Lynnelle Jones came forward to accuse the HMC of ignoring issues that aren't on the agenda. She laid out her further grievances with the Harbor Commission including with the Secretary.

Mr. Mike Madigan came forward to express concerns pertaining to the 30 South Beach Drive application on tonight's agenda.

Mr. Tim Gaylord came forward and wished to know what the purpose of the meeting was for. It was clarified for him what the purpose of the meeting was.

APPROVAL OF MINUTES

NOVEMBER 20TH, 2024

Mr. Mangels asked Secretary Jones for clarification regarding the recording of Public Comment per Ms. Lynnelle Jones's comments.

**** DR. PINTO MOVED TO APPROVE THE MINUTES OF NOVEMBER 20, 2024 AS AMENDED.**

**** MR. WHITE SECONDED THE MOTION.**

**** THE MOTION PASSED UNANIMOUSLY.**

APPLICATION REVIEW COMMITTEE – DR. PINTO

30 SOUTH BEACH DRIVE - DEEP COASTAL GENERAL PERMIT REGISTRATION FOR 4/40 DOCK AND ACCESS STAIRS: CONSTRUCT DOCK WITH ASSOCIATED RAMPS AND PILINGS. CONTINUED FROM LAST MEETING.

This application was previously postponed due to questions regarding littoral rights. Dr. Pinto provided a review of the application for those present. Discussion followed regarding property lines and littoral rights. It was decided to postpone the application review and to contact the authorities at DEEP for discussion.

**** DR. PINTO MOVED TO TABLE APPLICATION UNTIL FURTHER INFORMATION WAS GATHERED FROM DEEP.**

**** MR. MACDONNELL SECONDED THE MOTION.**

**** THE MOTION PASSED UNANIMOUSLY.**

STANDING ACTION ITEMS: OPEN DISCUSSION OF FUTURE WALK BRIDGE PROPOSALS REGARDING PLACEMENT OF TRANSMISSION CABLES AND EXCLUSION ZONE PROPOSAL BY EVERSOURCE, DOT'S PLANS FOR STATIONING WORK BARGES IN NORWALK HARBOR AND HARBOR MASTER'S AUTHORITY; DOT'S PLANS TO MONITOR WATER QUALITY, AND BULKHEAD CONSTRUCTION AT PROPOSED SOUTH WATER STREET STAGING PROPERTIES.

This item was not discussed at this time.

NEW BUSINESS

REVIEW AND APPROVAL OF A LETTER ADDRESSING THE PROPOSAL FROM THE CONNECTICUT HARBOR MANAGEMENT ASSOCIATION TO MAYOR RILLING

Dr. Pinto came forward to discuss this item. He said the letter is an effort to clarify language in the existing Harbor Management Plan due to the disappointing ruling made in the recent Greenwich court case. The recent ruling determined that Harbor Management Commissions don't have authority to approve or disapprove projects that are not specifically already contemplated in their current Harbor Management Plan. The letter has support from several CT

Harbor Commissions already and Dr. Pinto expressed hope that all 23 Harbor Management Commissions in the state would support the letter. He went into further detail about its contents and the goal of the letter.

**** MR. GIFFORD MOVED TO APPROVE THE LETTER ADDRESSING THE PROPOSAL FROM THE CONNECTICUT HARBOR MANAGEMENT ASSOCIATION TO MAYOR RILLING.**

**** MR. MATTHEWS SECONDED THE MOTION.**

**** THE MOTION PASSED WITH SIX (6) IN FAVOR (MANGELS, MACDONNELL, MATTHEWS, WHITE, JONES, GIFFORD) AND ONE (1) ABSTENTION (PINTO)**

CORRESPONDENCE

There was no correspondence other than that already mentioned regarding the 30 South Beach application.

CHAIRPERSON'S REPORT – KIBBE

There was no report at this time.

NOMINATING COMMITTEE SELECTION

Dr. Pinto, Mr. Gifford, and Mr. Matthews volunteered to serve on the Committee. Vice-Chair Mangels said they would need the nominations by the February meeting.

STAFF REPORTS

HARBOR MASTER – LOVALLO

Mr. Lovallo came forward to deliver his report. He has started the online mooring renewal process. Emails will be sent out the first week of January. He then reviewed the situation with the recent boat fire at South Norwalk Boat Club.

CONSULTANT – STEADMAN

There was no report at this time.

SHELLFISH COMMISSION – BARTUSH

Mr. Bartush came forward to discuss this item. He said the South Norwalk Boat Club proposed dredging was maintenance dredging. As a result, the Shellfish Commission had no objection to the application moving forward.

COMMITTEE REPORTS

City Of Norwalk
Norwalk Harbor Management Commission
Regular Meeting
December 18, 2024

MOORING AND HARBOR SAFETY – MANGELS

Vice-Chair Mangels came forward to give his report. He said that transient boaters had spent 91 nights in Norwalk and gave a revenue report. Norwalk Transient Moorings was awarded the Elite Fleet Award for outstanding support for visitors. He thanked everyone who was involved and stressed that the goal is to promote Norwalk as a great destination. They are looking into adding floating docks that would be anchored near the Visitor's Dock. The mooring balls have been delivered and he provided more information regarding their status. Mooring renewals will be emailed January 1, 2025. The order for the drone has been placed as well.

FINANCE – MACDONNELL

Mr. MacDonnell came forward to deliver his report. The application for the '24-25 fiscal year grant has been submitted to the City.

PLANS AND RECOMMENDATIONS – JONES

Ms. Jones came forward to discuss this item. She said review is continuing for the Harbor Management Plan. She has asked three Commissioners to serve on a Dredging Committee. Dr. Pinto said that he had spoken with the local Army Corps of Engineers contact who asked that the ACOE not be contacted until the summer since they are very busy.

NEWSLETTER/WEBSITE – WHITE

Mr. White came forward to deliver his report. He provided an update on the newsletter and said he wanted to include the news of the Elite Fleet Award.

WATER QUALITY – TBD

There was no report at this time.

ADJOURNMENT

- ** MS. JONES MOVED TO ADJOURN.**
- ** DR. PINTO SECONDED THE MOTION.**
- ** THE MOTION PASSED UNANIMOUSLY.**

The meeting adjourned at 6:57 P.M.

Respectfully Submitted,
Ian A. Soltes
Telesco Secretarial Services

City Of Norwalk
Norwalk Harbor Management Commission
Regular Meeting
December 18, 2024



Connecticut Department of
Energy & Environmental Protection
Bureau of Water Protection & Land Reuse
Land & Water Resources Division

LWRD License Application Pre-Submission Consultation Form Harbor Management Commission

You need to complete and submit this form only if your town has a [Harbor Management Commission](#).

To the applicant- Prior to the submission of your license application to the Connecticut Department of Energy and Environmental Protection (DEEP) Land & Water Resources Division (LWRD), please complete Part I, below, and submit this form to your local harbor management commission (contact the town for the appropriate contact person) with a location map of your site and project plans. Once the commission returns the completed form to you, please submit it along with your license application to DEEP.

Part I: To be completed by APPLICANT

1. Applicant/Registrant Information

Name: Ms. Ann Gervase

Mailing Address: 46 Shorehaven Road

City/Town: Norwalk

State: CT

Zip Code: 06855

Business Phone: _____

Ext.: _____

Contact Person: _____

Title: _____

Business Phone: _____

Ext.: _____

E-mail: anngervase1@gmail.com

2. Engineer/Surveyor/Agent Information (list as applicable)

Name: John Hilts

Title: Application Preparer

Mailing Address: Post Office Box 47

City/Town: Rowayton

State: CT

Zip Code: 06853-0047

Business Phone: 475-441-1244

Ext.: _____

Contact Person: _____

Title: _____

Business Phone: _____

Ext.: _____

E-mail: mrhilts@erols.com

Service Provided: Preparation of permit applications

3. Site Location:

Name of Site : Gervase Boat Dock

Street Address: 46 Shorehaven Road

City/Town: Norwalk

State: CT

Zip Code: 06855

Tax Assessor's Reference: Map 23SE

Block 79

Lot 19

Name of Waterbody: Canfield Island Creek

4. ☒ Confirm location map and site plans are attached.

Date of plans: 1/06/25, 1/07/25

5. Provide or attach a brief, but thorough description of the project.

Construct a 4' by 54' timber pier, 3' by 36' aluminum ramp, 5' by 6' timber ramp landing float, and 7' by 14.25' piling-anchored timber floating dock for private recreational boating launching and landing.

Part II: To be completed by HARBOR MANAGEMENT COMMISSION

This consultation form is required to be submitted as part of an application for a Structures, Dredging & Fill license (Connecticut General Statutes (CGS) Section 22a-361) and/or Tidal Wetlands license (CGS Section 22a-32) to DEEP LWRD. The application has not yet been submitted to DEEP. Please review the enclosed materials and determine whether the project is consistent or inconsistent with your local Harbor Management Plan. You may also provide comments or recommendations regarding the proposal. The Harbor Management Commission may still provide written comments to the Commissioner during DEEP's public notice comment period. Should you have any questions regarding this process, please call LWRD at 860-424-3019. **Please return the completed form to the applicant within 60 days of receipt or consistency will be assumed.**

HARBOR MANAGEMENT COMMISSION DETERMINATION:

Check one of the following:

- ☐ The Commission has determined that the work as described in Part I of this form and attachments is **CONSISTENT** with the Harbor Management Plan.
- ☐ The Commission has determined that the work as described in Part I of this form and attachments is **INCONSISTENT** with the following section of the Harbor Management Plan: _____

COMMENTS/RECOMMENDATIONS (or check here if attached: ☐):

Signature of Commission Representative

Date

Print Name of Commission Representative

Title



VICINITY MAP

FROM U.S.G.S. NORWALK SOUTH QUADRANGLE MAP

SCALE: 1:24000

PURPOSE: PRIVATE RECREATIONAL BOATING ACCESS
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988
ADJACENT PROPERTY OWNERS: AS NOTED
APPLICATION PREPARED BY: JOHN HILTS P.O. BOX 47, ROWAYTON, CT 06853

PROPOSED PIER, RAMP AND FLOATING DOCK IN CANFIELD ISLAND CREEK AT 46
SHOREHAVEN ROAD, NORWALK, FAIRFIELD COUNTY, CONNECTICUT
APPLICATION BY: MS. ANN GERVAISE
DATE: 1/06/25 SHEET 1 OF 5 REVISION NUMBER: DATE:



A S S E S S O R ' S M A P

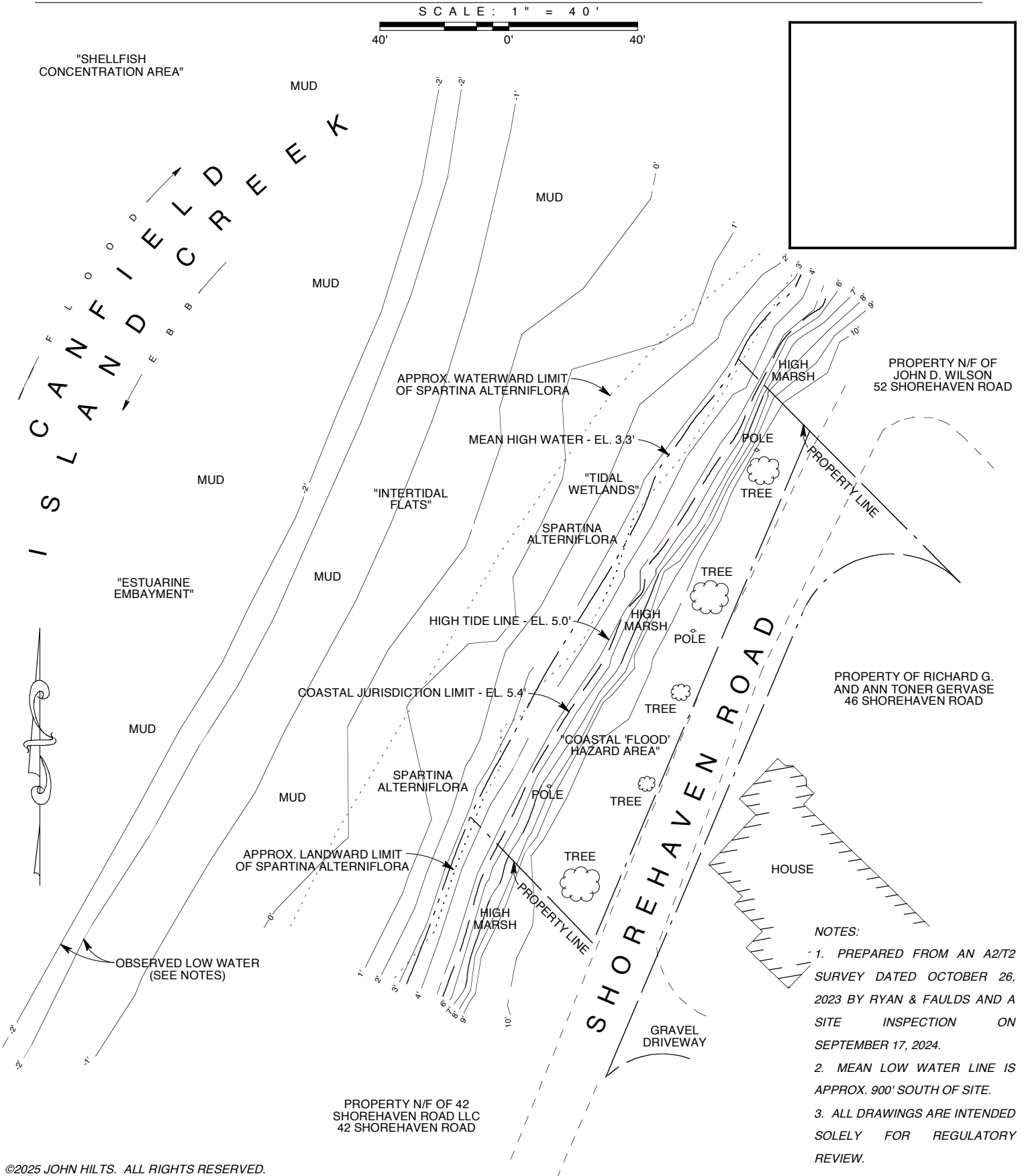
FROM NORWALK G.I.S.

ASSESSOR'S MAP 23SE BLOCK 79 LOT 19

PURPOSE: PRIVATE RECREATIONAL BOATING ACCESS
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988
ADJACENT PROPERTY OWNERS: AS NOTED
APPLICATION PREPARED BY: JOHN HILTS P.O. BOX 47, ROWAYTON, CT 06853

PROPOSED PIER, RAMP AND FLOATING DOCK IN CANFIELD ISLAND CREEK AT 46
SHOREHAVEN ROAD, NORWALK, FAIRFIELD COUNTY, CONNECTICUT
APPLICATION BY: MS. ANN GERVASE
DATE: 1/06/25 SHEET 2 OF 5 REVISION NUMBER: DATE:

EXISTING GENERAL PLAN VIEW

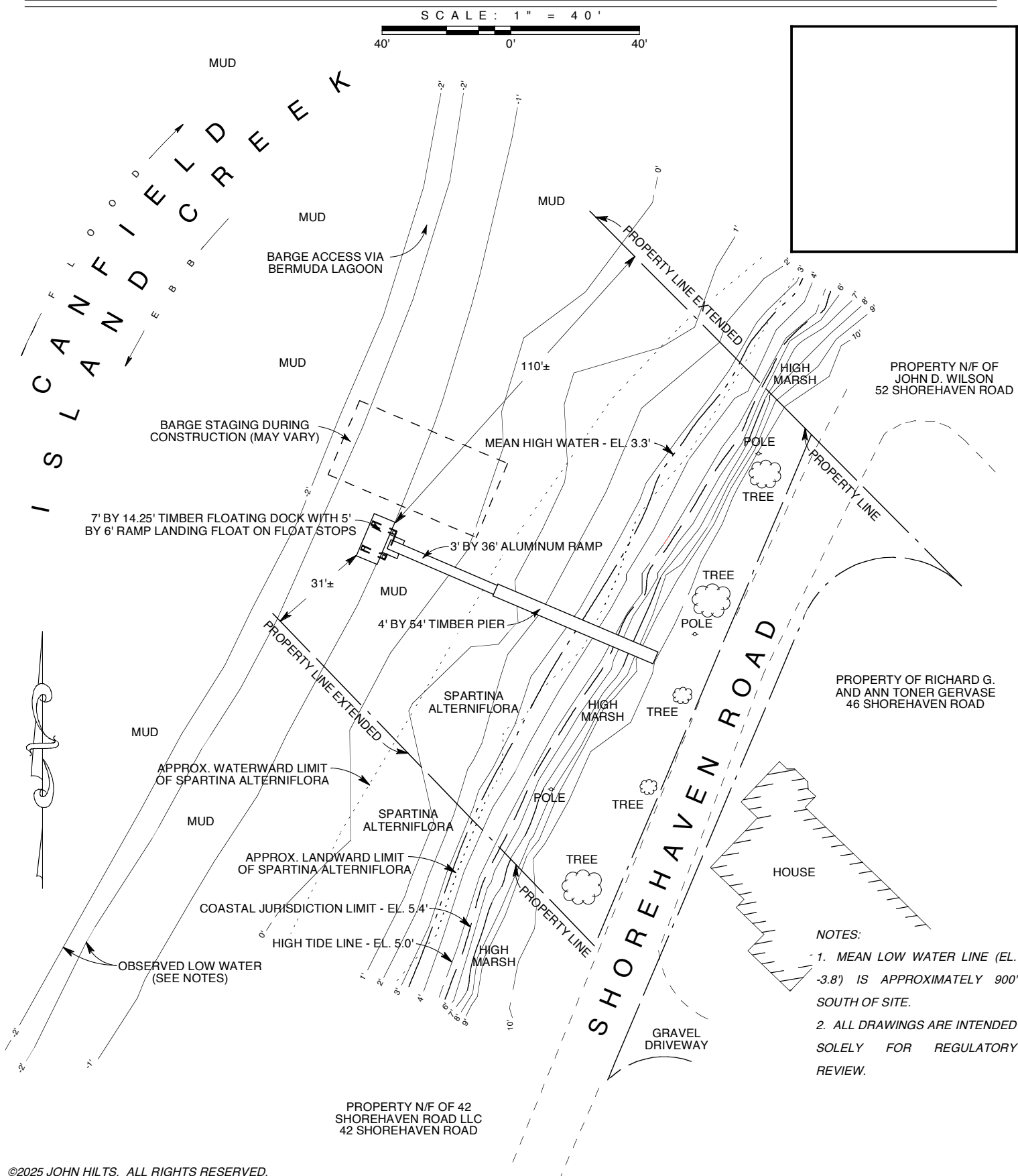


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PURPOSE: PRIVATE RECREATIONAL BOATING ACCESS
 DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988
 ADJACENT PROPERTY OWNERS: AS NOTED
 APPLICATION PREPARED BY: JOHN HILTS P.O. BOX 47, ROWAYTON, CT 06853

PROPOSED PIER, RAMP AND FLOATING DOCK IN CANFIELD ISLAND CREEK AT 46 SHOREHAVEN ROAD, NORWALK, FAIRFIELD COUNTY, CONNECTICUT
 APPLICATION BY: MS. ANN GERVASE
 DATE: 1/06/25 SHEET 3 OF 5 REVISION NUMBER: DATE:

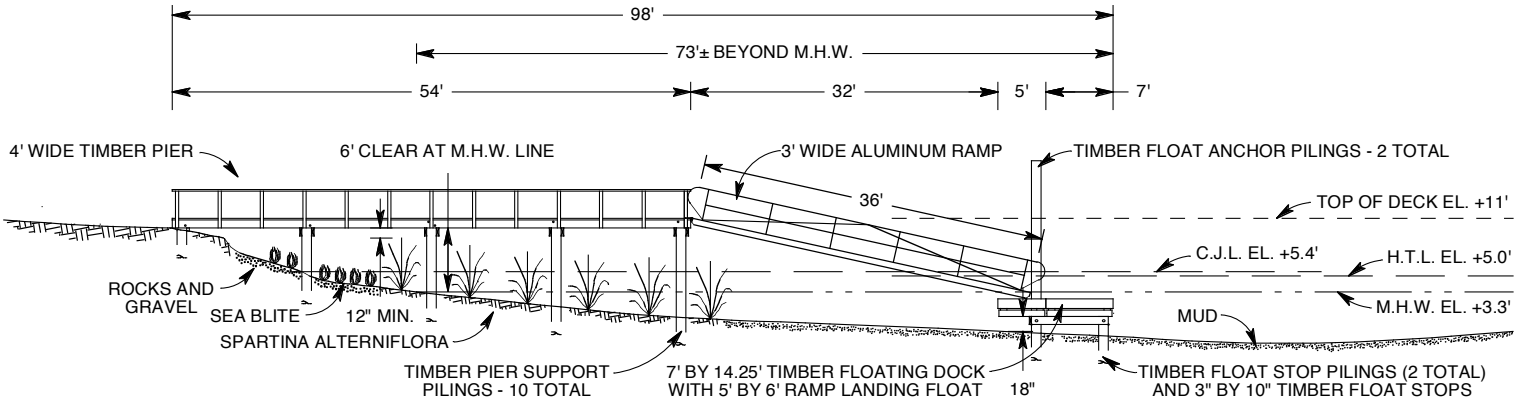
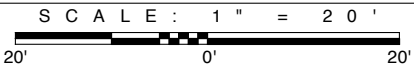
PROPOSED GENERAL PLAN VIEW



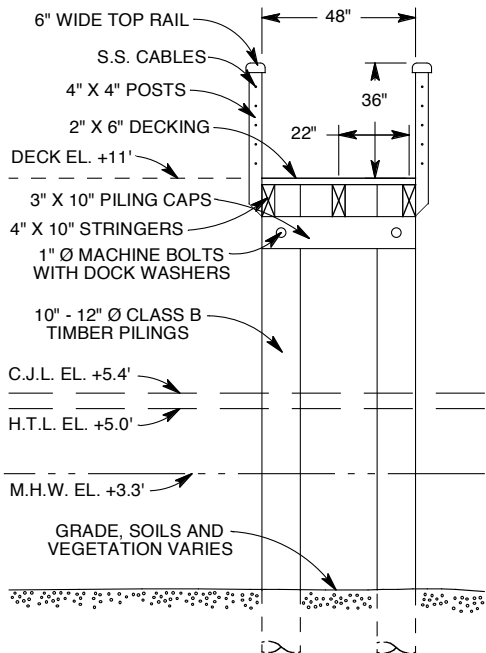
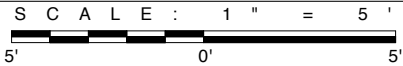
©2025 JOHN HILTS. ALL RIGHTS RESERVED.

PURPOSE: PRIVATE RECREATIONAL BOATING ACCESS DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 ADJACENT PROPERTY OWNERS: AS NOTED APPLICATION PREPARED BY: JOHN HILTS P.O. BOX 47, ROWAYTON, CT 06853	PROPOSED PIER, RAMP AND FLOATING DOCK IN CANFIELD ISLAND CREEK AT 46 SHOREHAVEN ROAD, NORWALK, FAIRFIELD COUNTY, CONNECTICUT APPLICATION BY: MS. ANN GERVASE DATE: 1/06/25 SHEET 4 OF 5 REVISION NUMBER: 1 DATE: 1/07/25
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PROPOSED NORTH ELEVATION



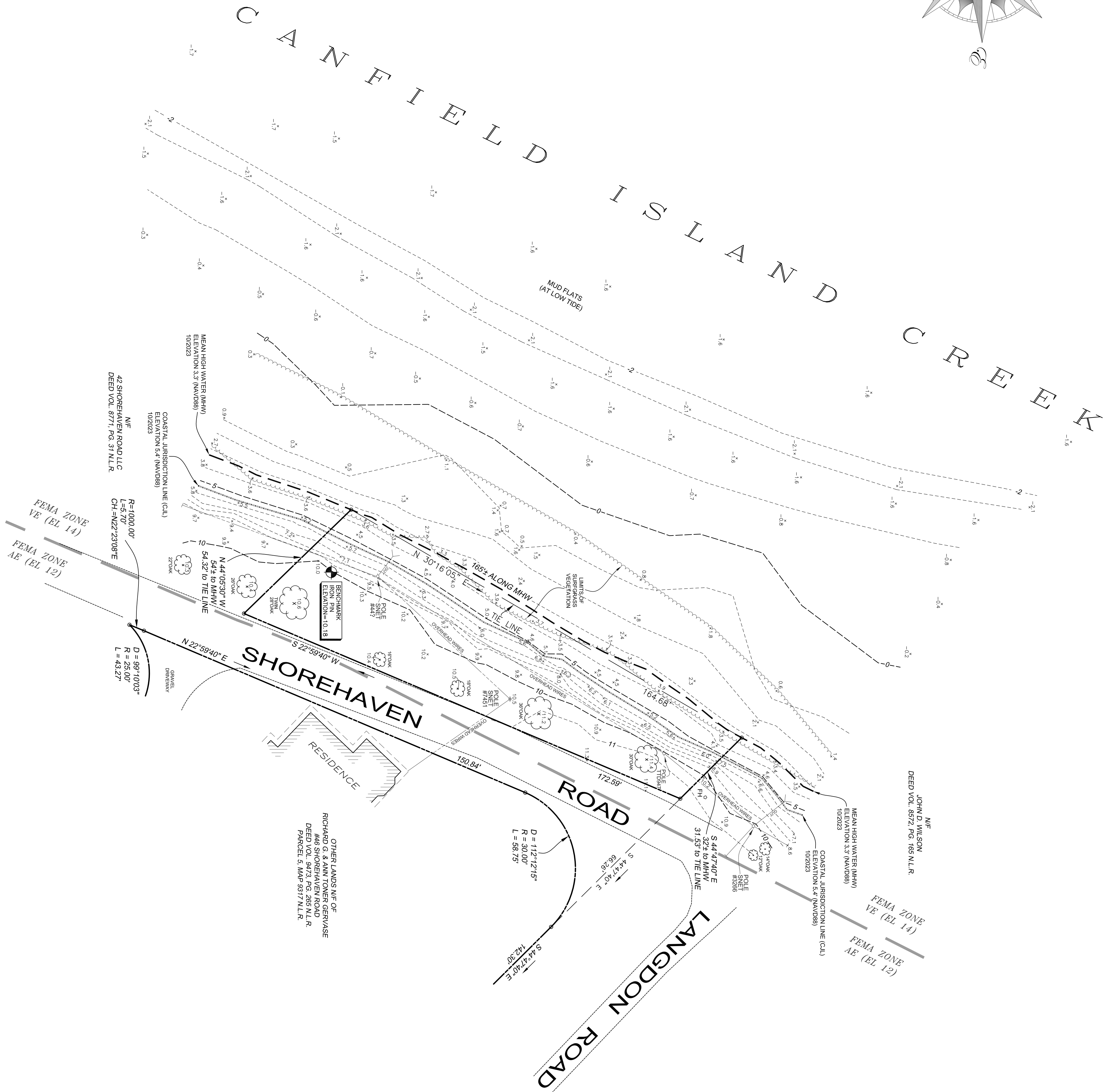
PROPOSED PIER SECTION



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NOTE: DRAWING IS INTENDED FOR REGULATORY REVIEW ONLY.

PURPOSE: PRIVATE RECREATIONAL BOATING ACCESS	PROPOSED PIER, RAMP AND FLOATING DOCK IN CANFIELD ISLAND CREEK AT 46
DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988	SHOREHAVEN ROAD, NORWALK, FAIRFIELD COUNTY, CONNECTICUT
ADJACENT PROPERTY OWNERS: AS NOTED	APPLICATION BY: MS. ANN GERVAISE
APPLICATION PREPARED BY: JOHN HILTS P.O. BOX 47, ROWAYTON, CT 06853	DATE: 1/06/25 SHEET 5 OF 5 REVISION NUMBER: DATE:



1. This map has been prepared in accordance with Sections 20-30(b)(1) through 20-30(b)(4) of the Regulations of Connecticut State Agencies and the Standards for Surveys and Maps in the State of Connecticut as adopted by the Board of Survey and Maps. The map is not to be construed as a deed, and the Topographic Survey, the Plan and the accompanying documents which is a Return of portions of the boundaries as specifically depicted hereon are not conforming to Horizontal Accuracy Class A-2 and Topographic accuracy class T-2.
2. Reference is made to Parcel 5A, Map 1185S of the Norwalk Land Records (N.L.R.), and Map 600 of the Westport Land Records (W.L.R.).
3. Reference is made to Maps 9317 N.L.R. & 804W W.L.R.
4. Reference is made to Warranty Deed Vol. 9473, Pg. 265 N.L.R. and for items listed therein.
5. Parcel Area = 7.130 S.F. ± 10.16 Acres to Mean High Water
6. Elevation depicted hereon are based on North American Vertical Datum of 1988 (NAVD89).
7. Reference is made to FEMA Flood Insurance Rate Map (FIRM) No. 0807/C03553, Effective Date 7/8/2013. Shaded Purple Area within Specified Flood Hazard Area VE (EL+1). Zone line depicted hereon transferred from said FEMA.

**GENERAL LOCATION &
PARTIAL TOPOGRAPHIC SURVEY**

DEPICTING

PARCEL 5-A, MAP 11655 N.L.R.

NORMALK, CONNECTICUT

PREPARED FOR

RICHARD G. & ANN TONER GERVASE

Scale:

1" = 20' 20' 40'

RYAN and FAULKS

LAND SURVEYORS & ENGINEERS A MEMBER COMPANY

57 Dushier Road, Suite 203 | Wilton, CT 06897

Tel: 203.762.8492 | www.ryanandfaulk.com

REDNISS & MEAD

REGISTERED PROFESSIONAL ENGINEERS

100 Main Street, Suite 200 | Wilton, CT 06897

Tel: 203.762.8492 | www.rednissandmead.com

**LAND SURVEYING
CIVIL ENGINEERING
PLANNING & ZONING CONSULTING
PERMITTING**

Sheet No.

GLS/STS

Drawn By: CMV **Date:** 10/25/2023

Checked By: LWP **Comm. No.:** 5852RFR-1

Notes: **Notes:**

1. On the knowledge and belief this map is substantially correct as shown.

2. This document and copies hereon are valid only if they bear the signature and seal of a duly licensed Professional Engineer.

3. Unlicensed personnel are not to be employed hereon and shall not be responsible for any errors or omissions on this drawing.

James H. Toner

JAMES H. TONER, P.E.

LAWRENCE W. POSSON, JR., C.T. #18180

DATE:

10/16/2023



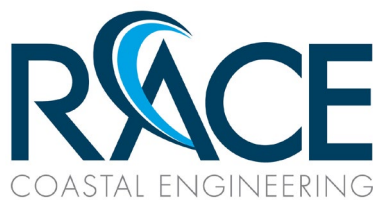
STATE OF CONNECTICUT DEPARTMENT OF
ENERGY & ENVIRONMENTAL PROTECTION
LAND AND WATER RESOURCE DIVISION
BUREAU OF WATER PROTECTION AND LAND REUSE
CERTIFICATE OF PERMISSION APPLICATION

APPLICANT:

South Norwalk Boat Club
Maintenance Dredging
17 Mack Street
Norwalk, CT 06854

January 2025

Prepared By:



611 Access Road
Stratford, CT 06615
Tel: (203) 377-0663
Fax: (203) 375-6561

Project No. 2023017

Table of Contents

<u>Section</u>	<u>Attachment</u>	<u>Description</u>	<u>Form</u>
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2.	6	Harbor Management Notification	
3.	10	Site Photographs	
4.	14	Project Plans	
5.	20	Natural Diversity Data Base (NDDB) Application & Determination	DEEP-LWRD-APP-007
6.	24	Department of Agriculture/ Bureau of Aquaculture Consultation Form	DEEP-LWRD-APP-001Q
7.	22	Dredging DEEP Consultation Form	DEEP-LWRD-APP-001V
8.	27	USACE DEEP Permit Consultation Form	DEEP-LWRD-APP-001U
9.	23	Fisheries DEEP Permit Consultation Form	DEEP-OLISP-APP-101
10.	41	Applicant Compliance Information Form	DEEP-LWRD-APP-001U
11.	42	Applicant Background Information Form	
12.	43	Other Information	
		• CT DEEP Permit #201301125-SJ	DEEP-APP-002
			DEEP-APP-008



SECTION 1

Permit Application Form DEEP-LWRD-APP-001D





Connecticut Department of
Energy & Environmental Protection
Bureau of Water Protection & Land Reuse
Land & Water Resources Division

LWRD License Application Form D

Certificate of Permission

All sections of the LWRD application, when applicable, must be posted to the DEEP LWRD FTP site as instructed on Part VII of the LWRD Transmittal Form. See [LWRD Application Instructions](#) for general guidance.

Application Number (as assigned in CPPU e-mail): 202500506

Applicant Name (same name used on Part III of the LWRD Transmittal Form): South Norwalk Boat Club

Part I: Pre-Submission Consultations

The application process requires preliminary coordination and input from other agencies/groups depending on the activity and the location. Consultations with other agencies must occur prior to application submission. Please allow 6-8 weeks for the necessary coordination. For this application, the applicant should start with these consultations, as applicable (See Part VII for further guidance).

Attachments:

- | | |
|----------------------|---|
| 20 NDDB | 23 Fisheries |
| 21 Wildlife- osprey | 24 Aquaculture |
| 22 Dredging Projects | 26 Shellfish Commission (for beach
nourishment/groin replacement only) |

Part II: Notifications

If your town has a [Harbor Management Commission](#), submit a copy of this completed application by certified mail to the Commission and submit the certified mail receipt as Attachment 6 following this form.

Part III: Site and Resource Information

1. SITE ADDRESS

Address: 17 Mack Street

City/Town: Norwalk

State: CT

Zip Code: 06854

Part III: Site and Resource Information (continued)

2. MUNICIPAL ZONING

Is the proposed work consistent with municipal zoning requirements?

☒ Yes ☐ No If no, explain: _____

3. WATERBODY/WATERCOURSES/WETLANDS

List names of all waters impacted by the proposed activity: Norwalk Harbor, Long Island Sound

4. INDIAN LANDS

Is the activity that is the subject of this application located on federally recognized Indian lands? ☐ Yes ☒ No

5. AQUIFER PROTECTION AREAS

Is the site located within a mapped Level A or Level B Aquifer Protection Area, as defined in CGS section 22a-354a through 22a-354bb?

☐ Yes ☒ No If yes, check one: ☐ Level A or ☐ Level B

If Level A, are any of the regulated activities, as defined in RCSA section 22a-354i-1(34), conducted on this site? ☐ Yes ☐ No If yes, and your business is **not** already registered with the Aquifer Protection Program, contact the aquifer protection agent or DEEP to take appropriate action.

For more information on the Aquifer Protection Area Program, contact the program at 860-424-3019 or visit the website at www.ct.gov/deep/aquiferprotection. See LWRD Application Instructions for further guidance.

6. CONSERVATION OR PRESERVATION RESTRICTIONS

Will the activity which is the subject of this application be located within a conservation or preservation restriction area? ☐ Yes ☒ No

If yes, provide proof of written notice of this application to the holder of such restriction, and/or a letter from the holder of such restriction verifying that this application is in compliance with the terms of the restriction, as Attachment 8.

7. LICENSE HISTORY

Indicate the number and date of issuance of any previous state permits or certificates issued by DEEP or USACE which authorized work at the site, and the names to whom they were issued.

<i>License/Permit/COP Authorization Number and Name of Agency</i>	<i>Date Issued</i>	<i>Name of Permittee/ Certificate Holder</i>	<i>Brief Description of Work Authorized</i>
<u>COP-1004-146-SJ</u>	<u>12/16/2005</u>	<u>SNBC</u>	<u>DREDGING -8.0' MLW</u>
<u>200903062-SJ</u>	<u>10/28/2009</u>	<u>SNBC</u>	<u>DREDGING -8.0' MLW</u>
<u>201301125-SJ</u>	<u>4/11/2013</u>	<u>SNBC</u>	<u>DREDGING -8.0' MLW</u>
_____	_____	_____	_____
_____	_____	_____	_____

8. SOIL AND/OR GROUNDWATER REMEDIATION

Does the site work include soil and/or groundwater remediation? ☐ Yes ☒ No

If yes, please provide reference documentation including a) plan views of the site showing the area of contamination and b) a summary of remediation with chemical analysis, clean-up status, and remediation program identification, as Attachment 9.

Part III: Site and Resource Information (continued)

9. ENFORCEMENT HISTORY

Is this application associated with a formal or informal enforcement action that is pending with DEEP?

☐ Yes ☒ No

If yes, please provide the enforcement action reference number and name of the DEEP staff contact:

Enforcement Action #: _____

DEEP Division/Program: _____

DEEP Staff Contact: _____

If the property was the subject of any historical enforcement actions known to the applicant, explain:

10. Regulatory Limit – See [Reference Guide for Regulatory Jurisdiction](#) for further explanation if necessary. Indicate the landward extent of the State's regulatory jurisdiction by checking one box:

☒ **Coastal Jurisdiction Line (CJL)**– for CJL information, refer to the [Coastal Jurisdiction Fact Sheet and Chart](#).

☐ **Mean High Water (MHW)** – for projects located upstream of a tide gate, dam or weir (structure must be shown on project plans).

☐ **Tidal Wetland Boundary** – To be used if tidal wetlands are located landward of CJL or MHW. Include one foot above local extreme high water, if applicable.

11. Tidal Elevations

Provide site elevations for CJL, MHW, Mean Low Water (MLW) and the High Tide Line (HTL)* in NAVD88. For general elevation reference and conversion, please refer to [USACE Tidal Flood Profiles](#); [CO-OPS Map - NOAA Tides & Currents](#); or, [Online VDatum: Vertical Datums Transformation](#).

CJL = +5.4

MHW = +3.2

MLW = -3.6

HTL = +4.6

*The HTL is necessary for USACE jurisdiction and required as part of the USACE application.

Part III: Site and Resource Information (continued)

12. Coastal Resource Impact Table

Check the applicable boxes below to identify coastal resources to be impacted by the proposed activity at the project site. Describe the impacts, as applicable. For definitions, refer to the [Connecticut Coastal Management Manual](#).

Resource Type	square feet			Describe Impacts
	Permanent impact	Temporary impact	Mitigation	
☐ Beaches/Dunes below HTL below CJL				
☐ Tidal Wetlands				Identify if existing vegetation is salt, brackish or freshwater wetland. A maximum of 100 s.f. of temporary wetland impacts may be considered. The wetland impact must be completely restored, preferably in-place, but absolutely on-site. Plan details of the existing and proposed impact area must include the temporary storage location of the plants.
☒ Nearshore waters				Maintenance dredging of approximately 161,000 SF of nearshore bottom substrate.
Resource Type	Describe Impacts (temporary and permanent)			
☐ Benthic Habitat				
☐ Intertidal Flats				
☐ Submerged Aquatic Vegetation (SAV)				
☐ Rocky Shorefront	Include rocky intertidal areas.			
☐ Finfish				
☐ Wildlife				
☒ Shellfish Areas	Maps available at The Aquaculture Mapping Atlas . Identified as a natural bed area is "Prohibited" for shell fishing.			
☒ Coastal Hazard Area	Discuss FEMA compliance. The site is located in a Zone AE (EL 13) and a Zone AE (EL 11). There are no impacts anticipated.			
☐ Bluffs/Escarpments	Describe impacts associated with flood and erosion control structures.			
☐ Islands	If new access is proposed, describe how island resources will be impacted.			
☐ Coastal Flooding	Describe how tide gates/fill/seawall height increases will impact flooding.			
☐ Water Circulation Patterns	Describe impacts from groins/abutments/jetties.			
☐ Drainage Patterns	Describe impacts from impervious surfaces/outfalls/weep holes and stormwater modifications.			
☐ Visual Quality	Only applies to public views of statewide scenic significance.			
☒ Water Quality	Discuss sediment and erosion controls, water handling, and stormwater treatment. Turbidity is expected during dredging activities but should be limited to the dredge			

	footprint and temporary in duration.
--	--------------------------------------

Part IV: Project Information

1. Describe, briefly, the *existing* structures within state regulatory jurisdiction, and their conditions and uses at the site of the proposed work. **Provide photographs showing resources and existing site conditions as Attachment 10.**
See Attachment.

- 2a. Describe the proposed regulated work and activities in a detailed narrative, including the number and dimensions of structures and the volume and area of fill or excavations. See [LWRD Application Instructions](#) for required information.
See Attachment

- b. Describe the construction activities involved for the project in detail, including methods, sequencing, equipment, and any alternative construction methods that might be employed. For coastal dredging projects, identify the type of equipment with bucket and barge capacity and, for upland disposal, provide containment facility details (See [Reference for Coastal/Tidal Dredging](#)).
See Attachment

- c. Describe any erosion and sedimentation or turbidity control installation and maintenance schedule and plans in detail. Such plans should be prepared in accordance with the [2002 Connecticut Guidelines for Soil Erosion and Sediment Control](#), as revised, established pursuant to CGS section 22a- 328.
See Attachment

- d. Anticipated date of project initiation: TBD Fall/Winter
Indicate the length of time needed to complete the project and identify any anticipated time restrictions:
Dredge Window- October 1st-January 31st -Project work should take 2-3 months to complete

3. After all measures to eliminate or minimize adverse resource impacts have been incorporated in the proposed project, describe why any adverse impacts that remain should be deemed acceptable by the Land & Water Resources Division. For projects involving stormwater management, low-impact development practices should be incorporated to the greatest extent practicable. Explain any reasons for not using a low-impact development practice. See [LWRD Application Instructions](#) for further guidance.
N/A

4. The proposed work is associated with which of the following uses? (Check all that apply.)

☒ Marine commercial/industrial use including aquaculture	☐ Flood and erosion control
☐ Residential boating access	☐ Public access
☐ Shared residential boating access	☐ Infrastructure improvement
☐ Other – explain: _____	

Part IV: Project Information (continued)

5. If the site is a marina or yacht club, provide the following:
- Number of boat slips and moorings: 328 (should be consistent with plans submitted as Attachment 14)
 - Type of marine sanitation service provided at the facility. None
 - ☒ Check here to confirm that at least one plan view notes the location of upland support including adequate parking, a marina office, and restrooms.
 - Check the applicable services provided:

☐ boat repair/maintenance	☒ winter storage
☐ gas/fuel hook-up	☒ electric hook-up
☐ fishing amenities	☐ boating and/or equipment sales
6. If local/municipal review has or will require a Coastal Site Plan Review for activities at this site, please explain the associated upland work. N/A
7. If modifications are proposed to a pre-1995 flood and erosion control structure (FECS), please confirm:
- | N/A | Confirm |
|-------------------------------------|---|
| ☒ | ☐ FECS modifications will not support an increase in upland fill |
| ☒ | ☐ Seawall height increase is less than 12.0" and justified in Part IV, question 3. |
| ☒ | ☐ If FECS consists of riprap or revetment, no more than 10% volume of new stone is proposed |
| ☒ | ☐ No more than 12"-18" of new waterward encroachment for bulkhead replacement/repair with appropriate justification for the encroachment in Item 3, above. New encroachment should be measured from the outermost bulkhead whaler or piling. |
8. ☐ Check here if the proposed work is related to a pre-1939, pre-1987 (installed above MHW), and/or pre-1995 structure, and provide photographs, including dates, to document the date of installation as Attachment 11 following this form.

Part V: Engineering Support Documentation and Certification

Certain types of projects require documentation of engineering design. If you answer yes to one of the questions below, you must submit a completed [Engineering Report Cover Sheet](#) (DEEP-LWRD-APP-001R) as Attachment 18 along with the relevant engineering report(s).

1. Does the proposed activity include engineered structures such as bridges, culverts, stormwater management systems, detention basins, and/or flood & erosion control structures?
- ☐ Yes ☒ No

2. Is the proposed activity located in a FEMA-designated Riverine or Coastal Floodplain?

☒ Yes ☐ No

If yes, provide documentation in the Engineering Report which demonstrates that the project is in compliance with FEMA's National Flood Insurance Program requirements and the local flood ordinance for the municipality.

NOTE – Only the following activities in the Coastal Floodplain require engineering: buildings, flood and erosion control structures; public access facilities; and, tide regulating structures. See Engineering Report Cover Sheet for further guidance.

3. Is the proposed activity located in a FEMA-designated Floodway ☐ Yes ☒ No

If yes, the Engineering Report must include a statement signed by a registered professional engineer that there is no-rise. This documentation must be supported by technical data that is derived from a standard step-backwater computer model utilizing source data from the Flood Insurance Rate Map (FIRM) or Flood Boundary and Floodway Map (FBFM).

If a No-rise Certification form is available through the municipality, please include it in the Engineering Report. For further information on No-Rise Certification, see [No-Rise Certification for Floodways | FEMA.gov](#)

The *Engineering Report Cover Sheet* shall be signed and sealed by a Professional Engineer licensed in the State of Connecticut. Supporting documentation as identified in the checklist may consist of engineering studies and other documentation, as appropriate, in order to describe the hydrologic and hydraulic effects of the proposed actions.

Part VI: Certificate of Permission Eligibility

Check all applicable boxes to confirm eligibility.

Pursuant to Connecticut General Statutes (CGS) Section 22a-363b(a) and (b):

Previously Authorized Structures or Activities

- ☐ A. Substantial maintenance or repair of existing structures, fill, obstructions or encroachments authorized pursuant to CGS section 22a-33 or 22a-361 or installed prior to June 24, 1939, CGS section 22a-363b(c).
- ☒ B. Maintenance dredging of areas which have been dredged and continuously maintained and serviceable as authorized pursuant to CGS section 22a-33 or 22a-361.
- ☐ C. Minor alterations or amendments to permitted activities consistent with the original permit.
- ☐ D. Placement or reconfiguration of piers, floats, docks, and moorings within existing waterward boundaries of recreational marinas or yacht clubs which have been authorized pursuant to CGS section 22a-33 or 22a-361.

Pre-1995 Structures or Activities

- ☐ E. Retention of activities completed prior to January 1, 1995.
- ☐ F. Minor alterations to activities completed prior to January 1, 1995.
- ☐ G. Substantial maintenance of any structures, fill, obstructions or encroachments in place prior to January 1, 1995, and continuously maintained and serviceable since such time.

Pre-1987 Structures

- ☐ H. Substantial maintenance or repair of structures, fill, obstructions or encroachments placed landward of the mean high waterline and waterward of the coastal jurisdiction line, completed prior to October 1, 1987, and continuously maintained and serviceable since said date.

Other Activities

- ☐ I. The removal of derelict structures or vessels.
- ☐ J. Placement of temporary structures for water-dependent uses as defined in CGS section 22a-93.
- ☐ K. Open water marsh management, tidal wetland restoration, resource restoration or enhancement activity, as defined in CGS subsection (a) of section 22a-361, including beach nourishment, and conservation activities undertaken by or under the supervision of the Department of Energy & Environmental Protection.

Pursuant to CGS Sec. 22a-363h:

- ☐ L. Living shoreline projects with consent from LWRD staff.

Part VII: Supporting Documents

The following attachments correspond to Form D. **If the Attachment name is followed by “REQUIRED”, the attachment must be submitted with every application.** When submitting any supporting documents, please label the documents as indicated in this part (e.g., Attachment 6, etc.) and be sure to include the same applicant name used on Page 1 of this application form. Please check the box next to the attachments listed to indicate that they have been submitted, and provide the applicable attachments following this form. NOTE: Attachment numbering is NOT consecutive as the attachments relate to multiple LWRD program applications.

Attachment I.D.	Attachment Description
☒ Attachment 6	Harbor Management Notification If your town has a Harbor Management Commission , submit the certified mail receipt as proof that this completed application was sent by certified mail to the Commission.
☐ Attachment 8	Conservation or Preservation Restriction Information, if applicable.
☐ Attachment 9	Remediation Documentation , if applicable.
☒ Attachment 10	Photographs showing existing conditions of the site REQUIRED
☐ Attachment 11	Photographic Documentation of pre 1939, pre-1987 (above MHW) and/or pre-1995 installation.
☒ Attachment 14	Project Plans , use Project Plan Checklist for requirements REQUIRED
☐ Attachment 18	Engineering Report Cover Sheet (DEEP-LWRD-APP-001R)
☒ Attachment 20	Natural Diversity Data Base (NDDDB) Completed NDDDB Determination #: <u>120572</u> If the proposed activity is within an NDDDB area, complete and submit a Request for NDDDB State Listed Species Review Form (DEEP-APP-007) to the address specified on the form, prior to submitting this application. For NDDDB maps and more information, visit the DEEP website at www.ct.gov/deep/nddbrequest or call the NDDDB staff at 860-424-3011. Please note NDDDB review generally takes 4 to 6 weeks and may require the applicant to produce additional documentation, such as ecological surveys, which must be completed prior to submitting this permit application. A copy of the NDDDB Final Determination response letter that has not expired must be submitted as Attachment 20. Include a copy of any mitigation measures or management plan developed for this activity and approved by NDDDB. Please DO NOT include a copy of the NDDDB Review Request/Application. Be aware that you must renew your NDDDB Determination if it expires before project work commences.
☐ Attachment 21	DEEP Wildlife Division – Osprey Consultation If the proposed activity will occur within 300 feet of an osprey platform, please note that work will be prohibited between May 1 st and July 31 st unless a DEEP waiver is obtained. If this seasonal prohibition conflicts with the proposed work schedule, please contact the DEEP Wildlife Division's Wildlife Diversity Program staff at deep.wildlife@ct.gov or 860-424-3011 for technical assistance before submitting your application. If you are seeking a seasonal prohibition waiver, documentation of the waiver issued by Wildlife Diversity Program staff must be submitted as Attachment 21. For known nesting locations, reference the Osprey Map at: https://www.google.com/maps/d/viewer?mid=1GyxnB-UAGxmselecH9Zj4UdH1uq&usp=sharing or https://www.ctaudubon.org/citizen-science .

Part VI: Supporting Documents (continued)

- | | |
|---|---|
| ☒ Attachment 22 | Dredging Consultation Form
(<i>REQUIRED for dredging activities only.</i>)
If dredging is proposed, please refer to Reference for Coastal/Tidal Dredging and submit a completed Dredging Consultation Form . |
| ☒ Attachment 23 | Fisheries Consultation Form
If your project involves maintenance dredging, beach nourishment (may be required for groin replacement), or cofferdam installation, submit a completed Fisheries Consultation Form (DEEP-FISH-APP-007). Note: Fisheries consultation is not required for disposal only of dredge sediment at one of the open water sites (generally NY dredge projects). |
| ☒ Attachment 24 | Department of Agriculture/Bureau of Aquaculture Consultation
If your project involves maintenance dredging or beach nourishment (may be required for groin replacement), submit a completed Department of Agriculture/Bureau of Aquaculture Consultation Form . Consultation is not required for towns north of: Orange and Derby/Ansonia on the Housatonic River system; Lyme and Essex on the Connecticut River; and Norwich and Preston on the Thames River. |
| ☐ Attachment 26 | Shellfish Commission Consultation Form
If your town has a Shellfish Commission and your project includes beach nourishment (may be required for groin replacement), submit a completed Shellfish Commission Consultation Form . |
| ☒ Attachment 41 | Applicant Compliance Information Form (DEEP-APP-002) REQUIRED |
| ☒ Attachment 42 | Applicant Background Information Form (DEEP-APP-008) REQUIRED |
| ☐ Attachment 43 | Other Information: Any other applicable information the applicant deems relevant or is required by DEEP. |

Attachment to DEEP-LWRD-APP-001D

Part IV: Project Information

1. Describe, briefly, the existing structures within state regulatory jurisdiction, and their conditions and uses at the site of the proposed work.

South Norwalk Boat Club is a boat club facility located in Norwalk Harbor, in Norwalk, CT. The address of the site is 17 Mack Street, Norwalk, CT. Upland areas of the Club consist primarily of paved drive and parking areas. Structures in the upland include a primary clubhouse, patio, deck, gazebo, travel lift, and other accessory support buildings for these developments. The shoreline of the site is characterized by a steel bulkhead structures which supports the developed upland areas. A floating dock marina is situated between the bulkhead and the east side of the 12-Ft Federal Navigation Channel, located just offshore of the site. The marina supports approximately 328 slips for seasonal and long-term berthing of member boats. Vessel hauling and launching activities are provided by an on-site travel lift well. Over time, and as a result of natural coastal processes, depths around the SNBC docks have become limited, posing risks to safe vessel navigation in and out of the marina area, during periods of low-water. The proposed dredging activities seek to restore depths in these areas to limit the potential for grounding of boats, and further support the water-dependent activities at the site.

2a. Describe the proposed regulated work and activities in a detailed narrative, including the number and dimensions of structures and the volume and area of fill or excavations. See LWRD Application Instructions for required information.

The Applicant proposes dredging work for maintenance dredging of the existing marina area, within previously authorized footprint, and to a previously authorized depth of -2.7' MLLW (-3.0' MLW) and -7.7' MLLW (-8.0' MLW). A 1-foot dredge overdepth allowance is additionally proposed to ensure that the base dredge depths area met as a recognition of the construction tolerances associated with the dredging process. The dredging work is to be conducted over an area of approximately 161,000 square feet. The proposed maintenance dredge footprint and extents were previously authorized under COP-201301125-SJ. The proposed maintenance dredging work will allow for better access to the water as well as maintain service of the marina during all tides. The Applicant proposes a base dredge removal of approximately 13,000 CY with a 1' overdepth allowance of approximately 6,200 C; for a total project volume of approximately 19,200 CY. See Attached Plans

b. Describe the construction activities involved for the project in detail, including methods, sequencing, equipment, and any alternative construction methods that might be employed. For coastal dredging projects, identify the type of equipment with bucket and barge capacity and, for upland disposal, provide containment facility details. (See Reference for Coastal/Tidal Dredging).

The dredging work is proposed to be conducted by mechanical dredging means. The material is proposed for relocation to either the Western or Central Long Island Sound Disposal Sites. It is anticipated that a barge-mounted excavator or crane with clamshell bucket will be deployed to the Site conduct the work. A bottom-dump scow will be staged adjacent to the barge and filled with dredged material until at capacity, at which point a push boat will transport the scow to the designated open-water site. The scow will then bottom-dump the material and the process will repeat until the area is cleared to depth. The time of year for the work will be contingent upon the moratorium period imposed by the regulatory agencies.



c. Describe any erosion and sedimentation or turbidity control installation and maintenance schedule and plans in detail. Such plans should be prepared in accordance with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as revised, established pursuant to CGS section 22a-328.

No erosion or turbidity controls are proposed for this work.



SECTION 2

Attachment 6 Harbor Management Notification



SECTION 3

Attachment 10 Site Photographs



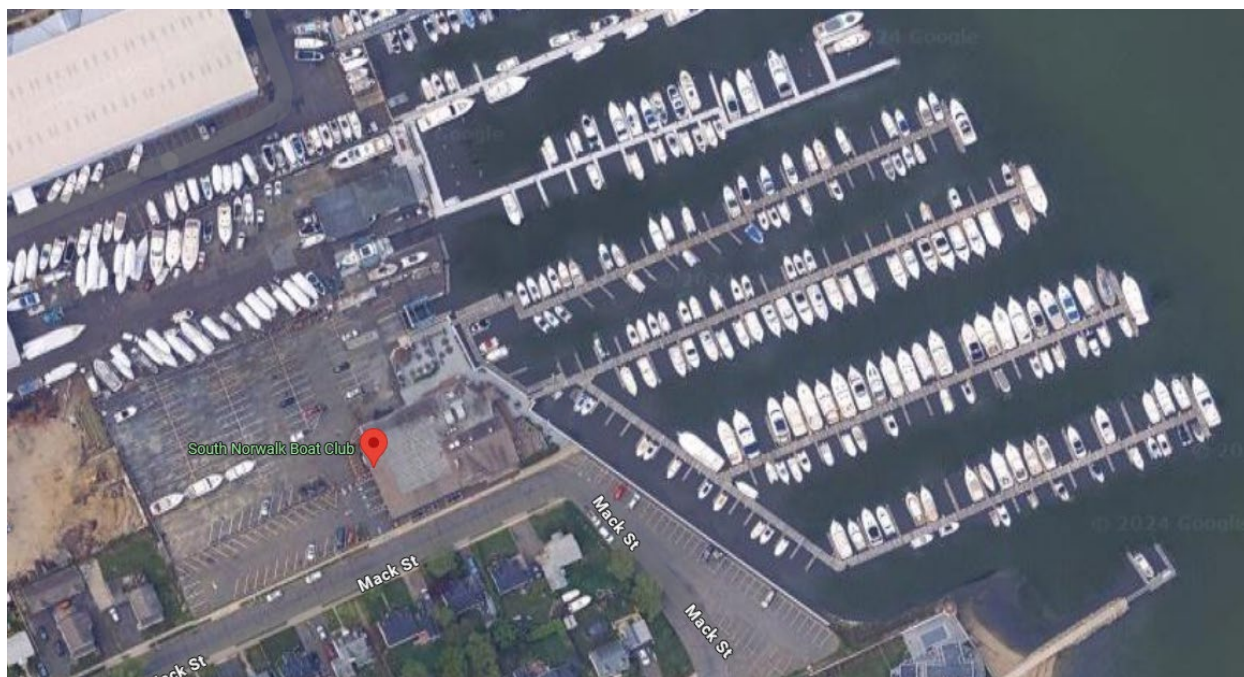


Figure 1: Aerial Image of Site



Figure 2: Marina from the river

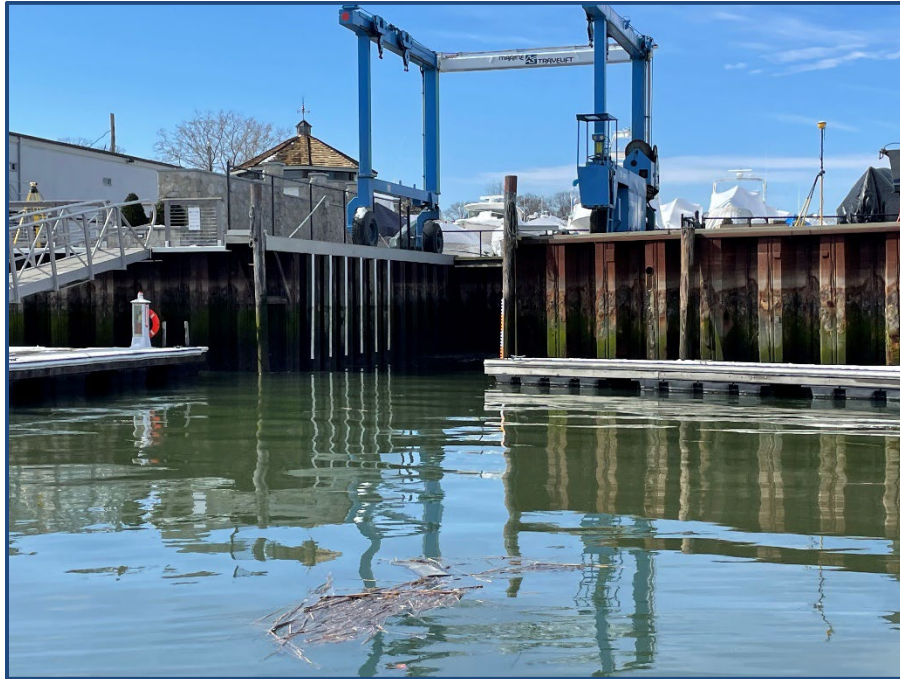


Figure 2: Travel lift well



Figure 4: Photograph of bulkhead in dredge area

SECTION 4

Attachment 14 Project Plans



SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING

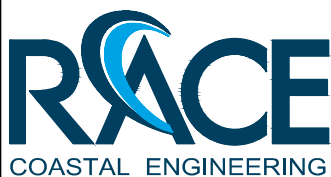
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DWG No.	DRAWING TITLE
1	TITLE SHEET & GENERAL NOTES
2	VICINITY MAP
3	TAX ASSESSOR'S MAP
4	EXISTING SITE PLAN
5	DREDGE PLAN
6	SECTIONS 1 & 2
7	DREDGE VOLUMES & COORDINATE PLAN

GENERAL NOTES

1. THE PURPOSE OF THESE DRAWINGS ARE FOR REGULATORY REVIEW ONLY.
2. VICINITY MAP TAKEN FROM USGS TOPOGRAPHIC MAP STAMFORD QUADRANGLE, CONNECTICUT-NEW YORK., 7.5 MINUTE SERIES, NORWALK, CT 2021.
3. ELEVATIONS REFERENCE MEAN LOWER LOW WATER (MLLW), UNLESS NOTED OTHERWISE.
4. BACKGROUND MAPPING PER DRAWING TITLED, "ZONING MAP OF PROPERTY PREPARED FOR SOUTH NORWALK BOAT CLUB", AND DATED 6/17/14, BY DENNIS A. DEILUS LAND SURVEYORS.
5. HYDROGRAPHIC SURVEY PERFORMED BY RACE COASTAL ENGINEERING, INC. ON 03/1/2023 AND ONLY REPRESENT THE SITE CONDITIONS AT THAT TIME.
6. TIDAL ELEVATION DATA HAS BEEN TAKEN FROM BENCH MARK SHEET FOR SOUTH NORWALK, CT 8468448 FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TIDES AND CURRENTS WEBSITE.

PROJECT TIDAL ELEVATIONS MLLW

DATUM	ELEVATION (FT)
COASTAL JURISDICTION LINE (CJL)	+9.4
HIGH TIDE LINE (HTL)	+9.4
MEAN HIGH WATER (MHW)	+7.4
NAVD 88	+4.0
NGVD 29	+2.9
MEAN LOW WATER (MLW)	+0.3
MEAN LOWER LOW WATER (MLLW)	0.0



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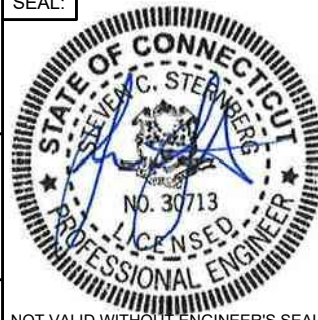
Prepared For:

SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT 06854

Project:

SOUTH NORWALK BOAT CLUB
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

SEAL:



Date:

11-19-2024

Rev.:

Drawn By:

CBK

Checked By:

SCS

Datum:

MLLW

Scale:

N/A

Project No.:

2023017

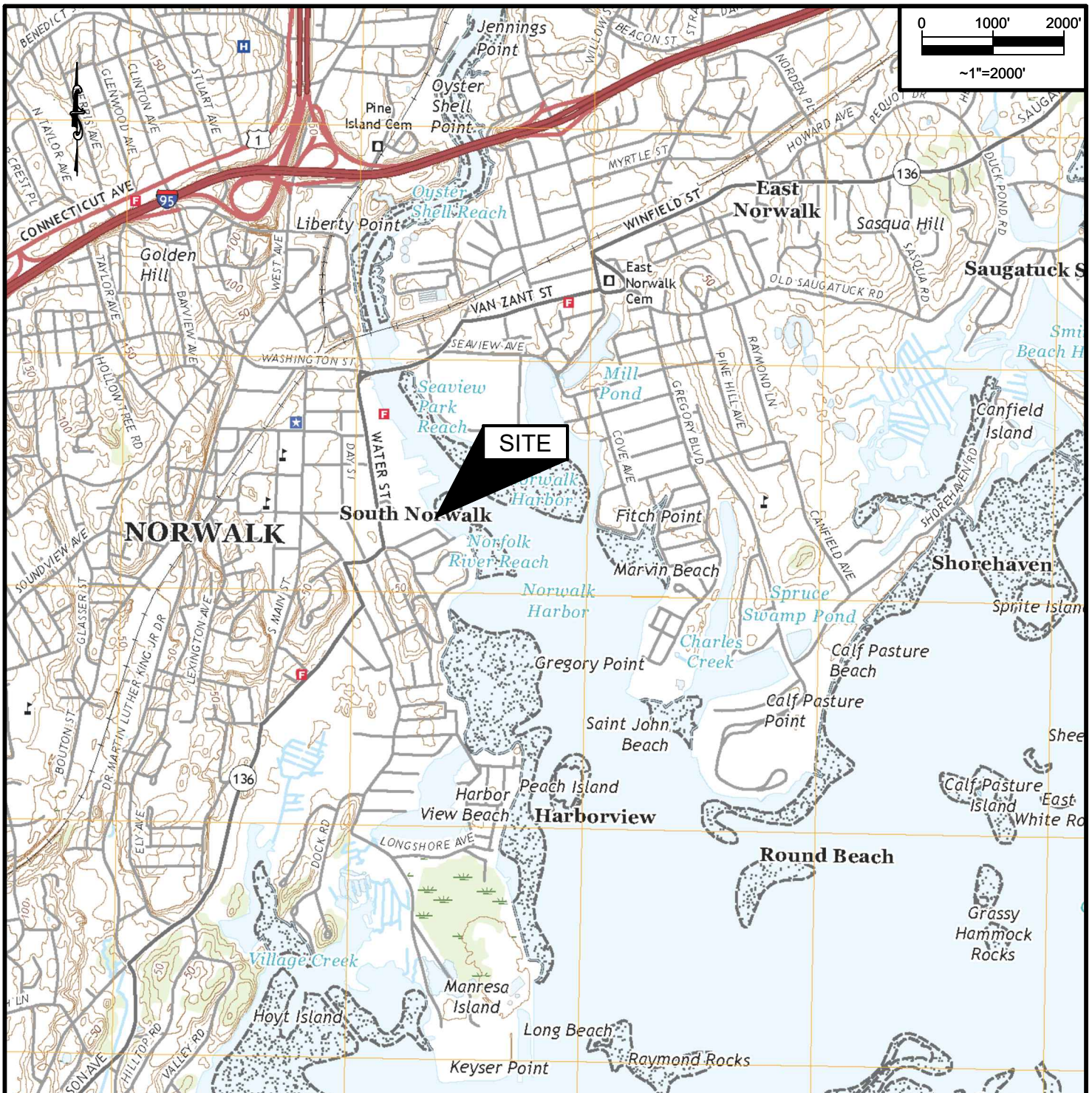
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1 of 7

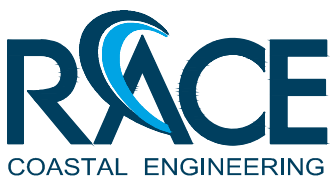
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VICINITY MAP

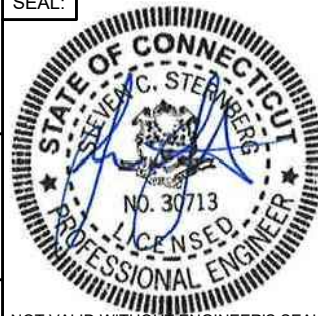


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NORWALK, CT 06854

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MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

SEAL:

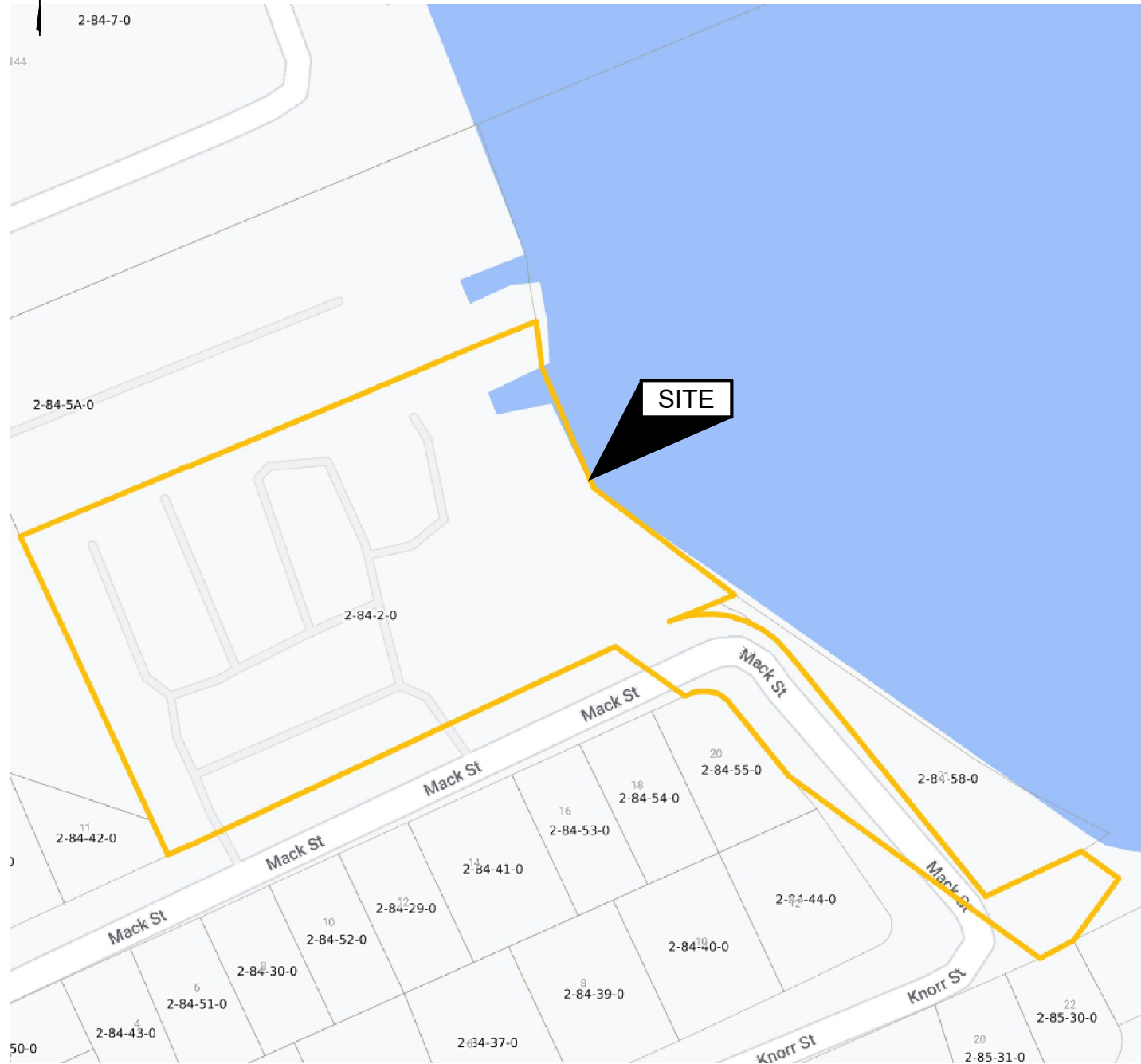
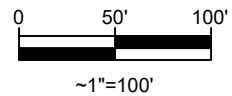


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11-19-2024	
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CBK	SCS
Datum:	Scale:
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Project No.:	Drawing No.:
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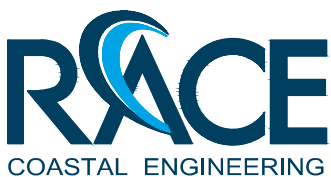
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TAX ASSESSOR'S MAP

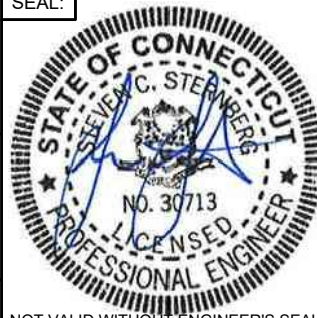


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NORWALK, CT 06854**

Project: **SOUTH NORWALK BOAT CLUB
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854**

SEAL:



Date:

11-19-2024

Rev.:

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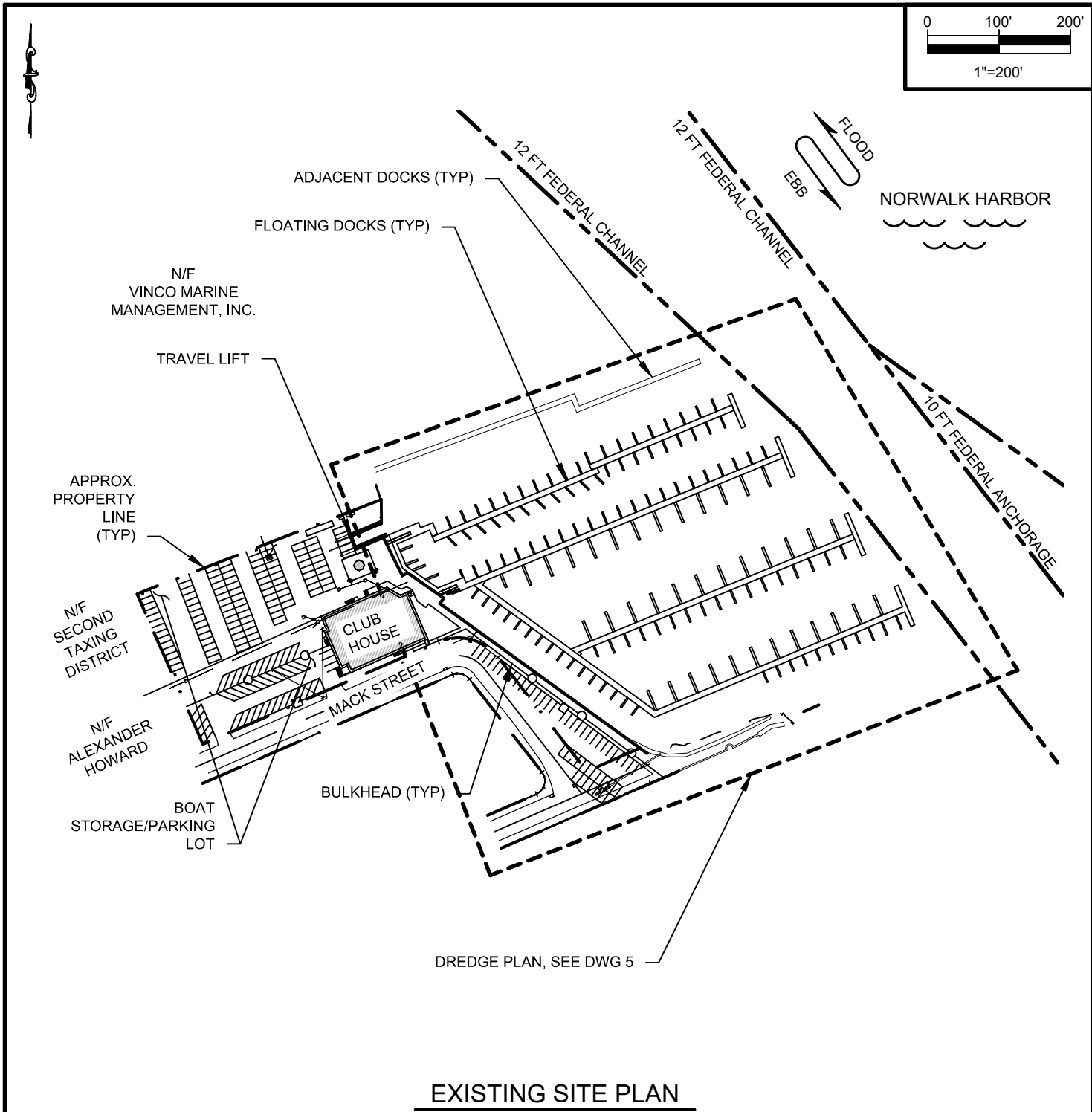
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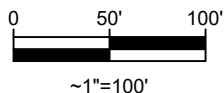
EXISTING SITE PLAN

 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For: SOUTH NORWALK BOAT CLUB 17 MACK STREET NORWALK, CT 06854	SEAL: 	Date:	Rev.:
	Project: SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING 17 MACK STREET NORWALK, CT 06854		11-19-2024	
			Drawn By:	Checked By:
			CBK	SCS
			Datum:	Scale:
	MLLW	1"=200'		
	Project No.:	Drawing No.:		
	2023017	4 of 7		



LEGEND:

- 7.7' MLLW (-8.0 MLW) DREDGE AREA
- 1V:3H DREDGE SIDE SLOPE AREA
- 2.7' MLLW (-3.0 MLW) DREDGE AREA



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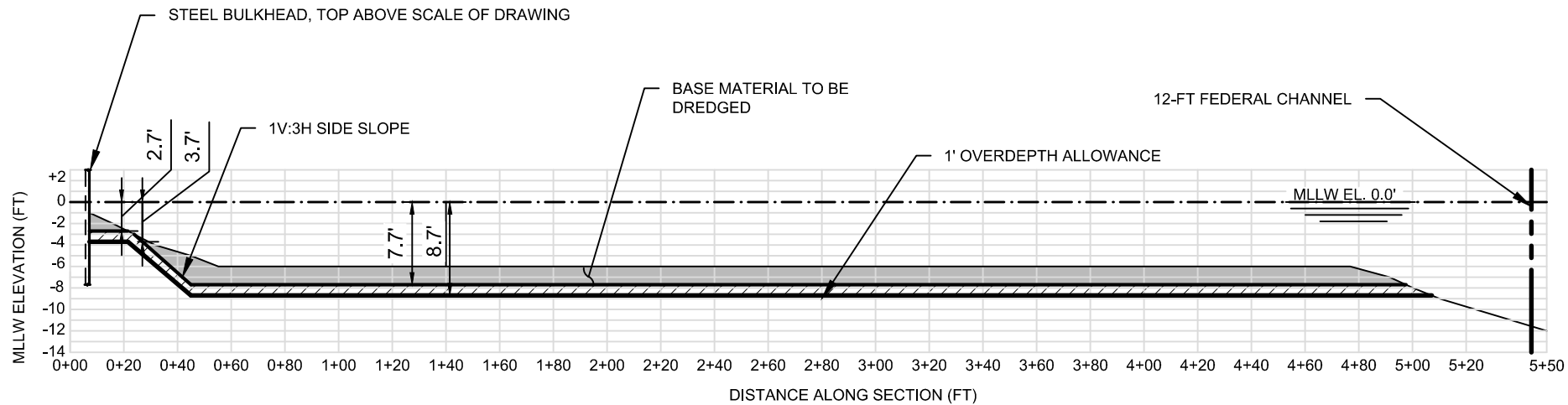
Prepared For:
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17 MACK STREET
NORWALK, CT 06854

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MAINTENANCE DREDGING
17 MACK STREET
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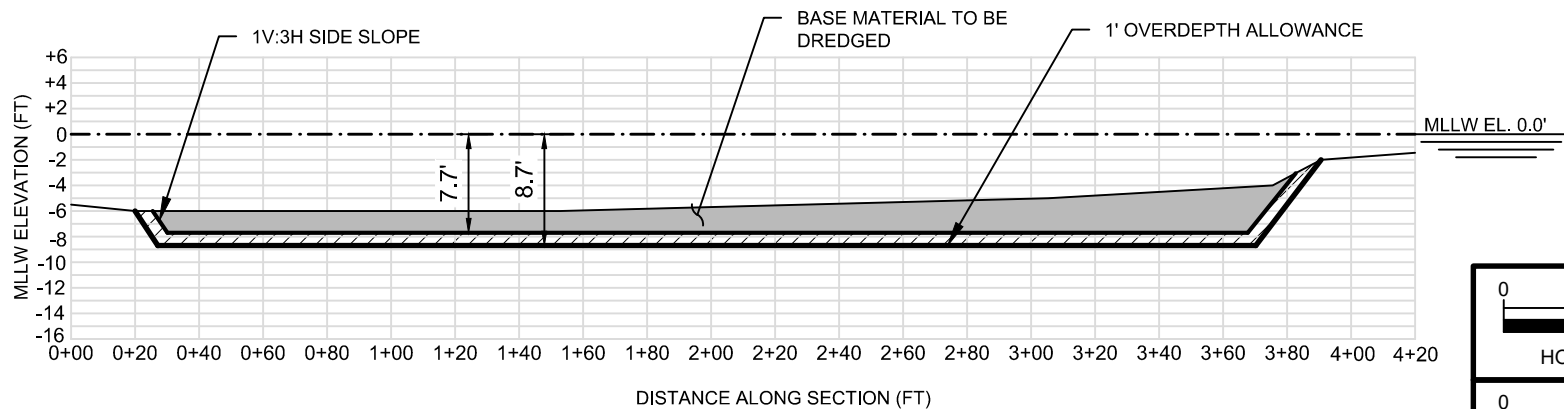
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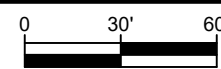
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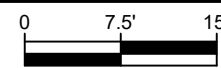
SECTION 1



SECTION 2



HORZ. 1"=60'



VERT. 1"=15'

NOTE(S):

1. CJL, HTL, MHW BEYOND SCALE OF DRAWING.
2. DOCKS NOT SHOWN FOR CLARITY.



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MAINTENANCE DREDGING
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NORWALK, CT 06854

SEAL:



Date:

11-19-2024

Drawn By:

CBK

Datum:

MLLW

Project No.:

2023017

Rev.:

Checked By:

SCS

Scale:

AS NOTED

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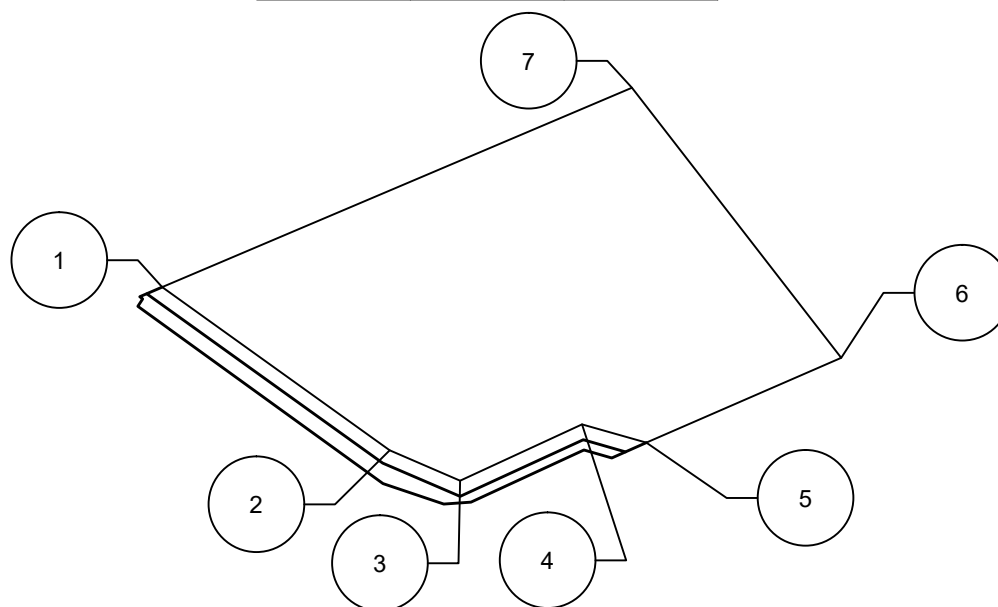
6 of 7

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DREDGE VOLUME SUMMARY (CY)	
BASE DREDGE VOLUME	13,000
1' OVERDEPTH VOLUME	6,200
TOTAL DREDGE VOLUME	19,200
TOTAL AREA	161,000 SF

DREDGE TOE COORDINATES CT STATE PLANE (NAD83)		
POINT	NORTHING	EASTING
1	595332.76	817480.00
2	595162.73	817717.00
3	595131.28	817790.98
4	595189.75	817917.95
5	595170.72	817985.01
6	595259.29	818187.99
7	595540.56	817966.96



DREDGE COORDINATE PLAN

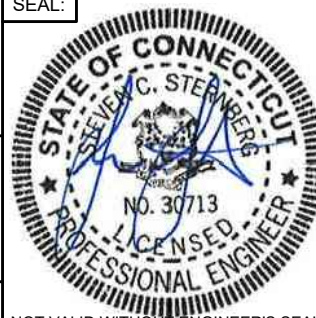


611 Access Road Stratford, CT 06615
Tel: 203-377-0663 racecoastal.com

Prepared For:
SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT 06854

Project: SOUTH NORWALK BOAT CLUB
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

SEAL:



Date:	11-19-2024	Rev.:	
Drawn By:	CBK	Checked By:	SCS
Datum:	MLLW	Scale:	N/A
Project No.:	2023017	Drawing No.:	7 of 7

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SECTION 5

Attachment 20 Natural Diversity Data Base (NDDDB) Application & Determination DEEP-APP-007



Generated by eNDDDB on:
11/19/2024

Chris Kane
RACE COASTAL ENGINEERING, LLC
611 Access Rd
Stratford, CT 06615
ckane@racecoastal.com

Subject: Filing # 120572
SNBC Dredging 2024
NDDDB – New Determination Number: 202411556
17 Mack St
Norwalk

Expiration Date: 11/19/2026

Based on current data maintained by the Natural Diversity Database (NDDDB) and housed in the DEEP ezFile portal, negative impacts to populations of Federal or State Endangered, Threatened, or Special Concern species (RCSA Sec. 26-306) are not anticipated from the proposed Dredge and Dredge Disposal / Dredging - Maintenance of a Marina (including dredge disposal), SNBC Dredging 2024.

This NDDDB – New determination may be utilized to fulfill the Endangered and Threatened Species requirements for state-issued permit applications, licenses, registration submissions, and authorizations. However, please be aware of the following limitations and conditions:

- This determination does not preclude the possibility that listed species may be encountered on site. Should this occur, a report must be submitted to the Natural Diversity Database promptly and additional action may be necessary to remain in compliance with certain state permits. Please fill out the [appropriate survey form](#) and follow the instructions for submittal.
- If your project involves preparing an Environmental Impact Assessment, this NDDDB consultation and determination should not be substituted for conducting biological field surveys assessing on-site habitat and species presence.
- This determination applies only to the project as described in the submission and summarized at the end of this letter. Please re-submit an updated Request for Review if the project's scope of work and/or timeframe changes, including if work has not begun by 11/19/2026.

The NDDDB – New determination for the SNBC Dredging 2024 at 17 Mack St, Norwalk as described in the submitted information and summarized at the end of this document is valid for two years from the date on this letter.

Natural Diversity Database information includes all information regarding listed species available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, land owners, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Database and accessed through the ezFile portal as it becomes available.

This letter is computer generated and carries no signature. If however, any clarification is needed, or if you have further questions, please contact the following:

CT DEEP Bureau of Natural Resources
Wildlife Division
Natural Diversity Database
79 Elm Street, 6th floor
Hartford, CT 06106-5127
(860) 424-3011
deep.nddbrequest@ct.gov

Please reference the Determination Number provided in this letter when you e-mail or write. Thank you for submitting your project through DEEP's ezFile portal for Natural Diversity Database reviews.

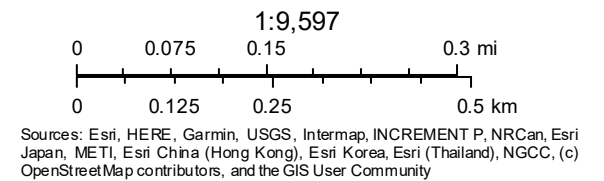
Application Details:

Project involves federal funds or federal permit:	No
Project involves state funds, state agency action, or relates to CEPA request:	No
Project requires state permit, license, registration, or authorization:	Yes
DEEP enforcement action related to project:	
Project Type:	Dredge and Dredge Disposal
Project Sub-type:	Dredging - Maintenance of a Marina (including dredge disposal)
Project Name:	SNBC Dredging 2024
Project Description:	

SNBC Dredging 2024 Map



November 19, 2024



SECTION 6

Attachment 24 Department of Agriculture/ Bureau of Aquaculture Consultation Form DEEP-LWRD-APP-001Q





Connecticut Department of
Energy & Environmental Protection
Bureau of Water Protection & Land Reuse
Land & Water Resources Division

LWRD License Application Pre-Submission Consultation Form

State of CT, Department of Agriculture, Bureau of Aquaculture

A pre-submission consultation with Aquaculture is required for some of the LWRD license applications. Please refer to the application form for specific projects and locations which require consultation.

To the applicant- Prior to the submission of your license application to the Connecticut Department of Energy and Environmental Protection (DEEP) Land & Water Resources Division (LWRD), please complete Part I and submit this form to the Department of Agriculture, Bureau of Aquaculture ("DOA/BOA") by: hardcopy, P.O. Box 97, Milford, CT, 06460; facsimile, 203-783-9976; or e-mail, david.carey@ct.gov. Include a location map of your site and project plans. Once the DOA/BOA returns the completed form to you, please submit it along with your license application to DEEP.

Part I: *To be completed by APPLICANT*

1. Applicant/Registrant Information

Name: South Norwalk Boat Club

Mailing Address: 17 Mack Street

City/Town: Norwalk

State: CT

Zip Code: 06854

Business Phone: _____

Ext.: _____

Contact Person: _____

Title: _____

Business Phone: _____

Ext.: _____

E-mail: _____

2. Engineer/Surveyor/Agent Information (list as applicable)

Name: RACE Coastal Engineering

Title: _____

Mailing Address: 611 Access Road

City/Town: Stratford

State: CT

Zip Code: 06615

Business Phone: 203-377-0663

Ext.: _____

Contact Person: Chris Kane

Title: Project Engineer

Business Phone: _____

Ext.: _____

E-mail: ckane@racecoastal.com

Service Provided: Engineering

3. Site Location:

Name of Site : South Norwalk Boat Club

Street Address: 17 Mack Street

City/Town: Norwalk

State: CT

Zip Code: 06854

Tax Assessor's Reference: Map _____

Block _____

Lot 2

Name of Waterbody: Norwalk Harbor

4. ☒ Confirm location map and site plans are attached.

Date of plans: 11/21/2024

Part I: To be completed by APPLICANT (continued)

5. Provide or attach a brief, but thorough description of the project. See Attachment

Part II: To be completed by DOA/BOA

This consultation form is required to be submitted as part of an application for a Structures, Dredging & Fill license (Connecticut General Statutes (CGS) Section 22a-361) and/or Tidal Wetlands license (CGS Section 22a-32) and some of the General Permits to DEEP LWRD. The application has not yet been submitted to DEEP. Please review the enclosed materials and determine whether the project will significantly impact shellfish beds. You may also provide comments or recommendations regarding the proposal. Should you have any questions regarding this process, please call DEEP LWRD at 860-424-3019. **Please return the completed form to the applicant.**

CGS Section 22a-361(b) requires that the Commissioner of DEEP shall hold a public hearing on license applications submitted pursuant to CGS section 22a-361 provided that a petition requesting such hearing signed by 25 or more persons is received **and** if the project will significantly impact any shellfish area, as determined by the DOA/BOA.

DOA/BOA DETERMINATION:

Project located on (check one): ☐ natural bed ☐ state bed ☐ local bed ☐ none
☒ other, please specify: Previously disturbed

If project is located upon a franchised or leased shellfish bed, please provide the owner or lessee's contact information below.

Check one of the following:

- ☒ I have determined that the work described in Part I of this form and attachments **WILL NOT** significantly impact any shellfish area.
- ☐ I have determined that the work described in Part I of this form and attachments **WILL** significantly impact any shellfish area and that a public hearing must be held if the DEEP issues a public notice for the project as currently designed and a qualified petition is received.

COMMENTS/RECOMMENDATIONS (or check here if attached: ☐):

David H. Carey

Signature of Commission Representative

11/21/2024

Date

Aquaculture Director

Print Name of Commission Representative

Title

Part I: To be completed by Applicant

5. Provide or attach a brief, but thorough description of the project.

South Norwalk Boat Club is a boat club facility located in Norwalk Harbor, in Norwalk, CT. The address of the site is 17 Mack Street, Norwalk, CT. Upland areas of the Club consist primarily of paved drive and parking areas. Structures in the upland include a primary clubhouse, patio, deck, gazebo, travel lift, and other accessory support buildings for these developments. The shoreline of the site is characterized by a steel bulkhead structures which supports the developed upland areas. A floating dock marina is situated between the bulkhead and the east side of the 12-Ft Federal Navigation Channel, located just offshore of the site. The marina supports approximately 300 slips for seasonal and long-term berthing of member boats. Vessel hauling and launching activities are provided by an on-site travel lift well.

Over time, and as a result of natural coastal processes, depths around the SNBC docks have become limited, posing risks to safe vessel navigation in and out of the marina area, during periods of low-water. The proposed dredging activities seek to restore depths in these areas to limit the potential for grounding of boats, and further support the water-dependent activities at the site.

The proposed dredging work is for maintenance dredging of the existing marina area, within previously authorized footprint, and to a previously authorized depth of -2.7' MLLW (-3.0' MLW) and -7.7' MLLW (-8.0' MLW). A 1-foot dredge overdepth allowance is additionally proposed to ensure that the base dredge depths area met as a recognition of the construction tolerances associated with the dredging process. The dredging work is to be conducted over an area of approximately 161,000 square feet. The calculated dredge volumes are summarized in the following table:

SNBC DREDGING SUMMARY	
Base Dredge Volume (-2.7' and -7.7' MLLW)	13,000 CY
1-FT Allowable Overdepth Volume	6,200 CY
Total Volume: Base Dredge + 1-FT Overdepth	19,200 CY
Total Area	161,000 SF

The dredging work is proposed to be conducted by mechanical dredging means. The material is proposed for relocation to either the **Western or Central Long Island Sound Disposal Sites**. It is anticipated that a barge-mounted excavator or crane with clamshell bucket will be deployed to the Site to conduct the work. A bottom-dump scow will be staged adjacent to the barge and filled with dredged material until at capacity, at which point a push boat will transport the scow to the designated open-water site. The scow will then bottom-dump the material and the process will repeat until the area is cleared to depth. The time of year for the work will be contingent upon the moratorium period imposed by the regulatory agencies. It is anticipated that the work will take place anytime between October 1 and January 31 of any given year of the issued permits and will take approximately 1 month to complete pending weather.

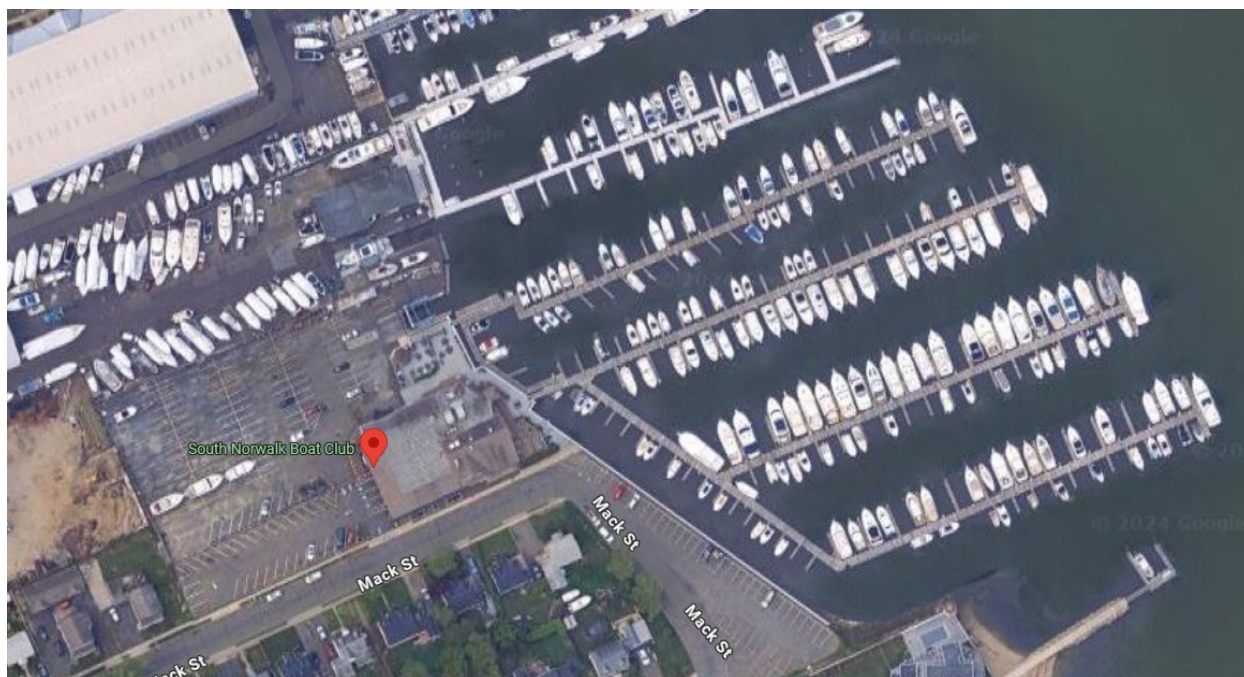


Figure 1: Aerial Image of Site



Figure 2: Marina from the river

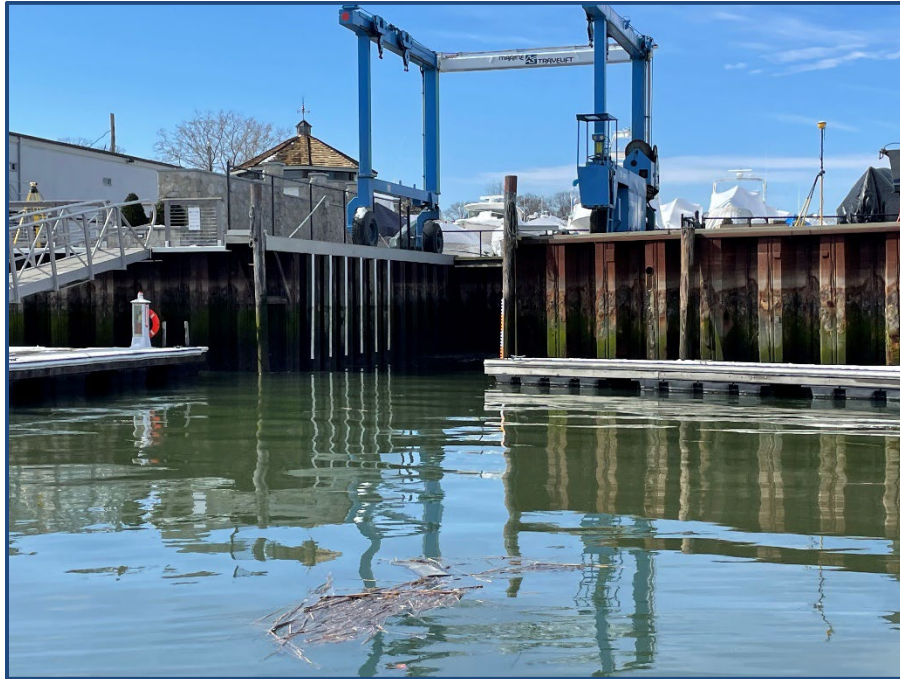


Figure 2: Travel lift well



Figure 4: Photograph of bulkhead in dredge area

SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING

DRAWING LIST	
DWG No.	DRAWING TITLE
1	TITLE SHEET & GENERAL NOTES
2	VICINITY MAP
3	TAX ASSESSOR'S MAP
4	EXISTING SITE PLAN
5	PROPOSED PARTIAL PLAN
6	SECTIONS 1 & 2
7	VOLUMES

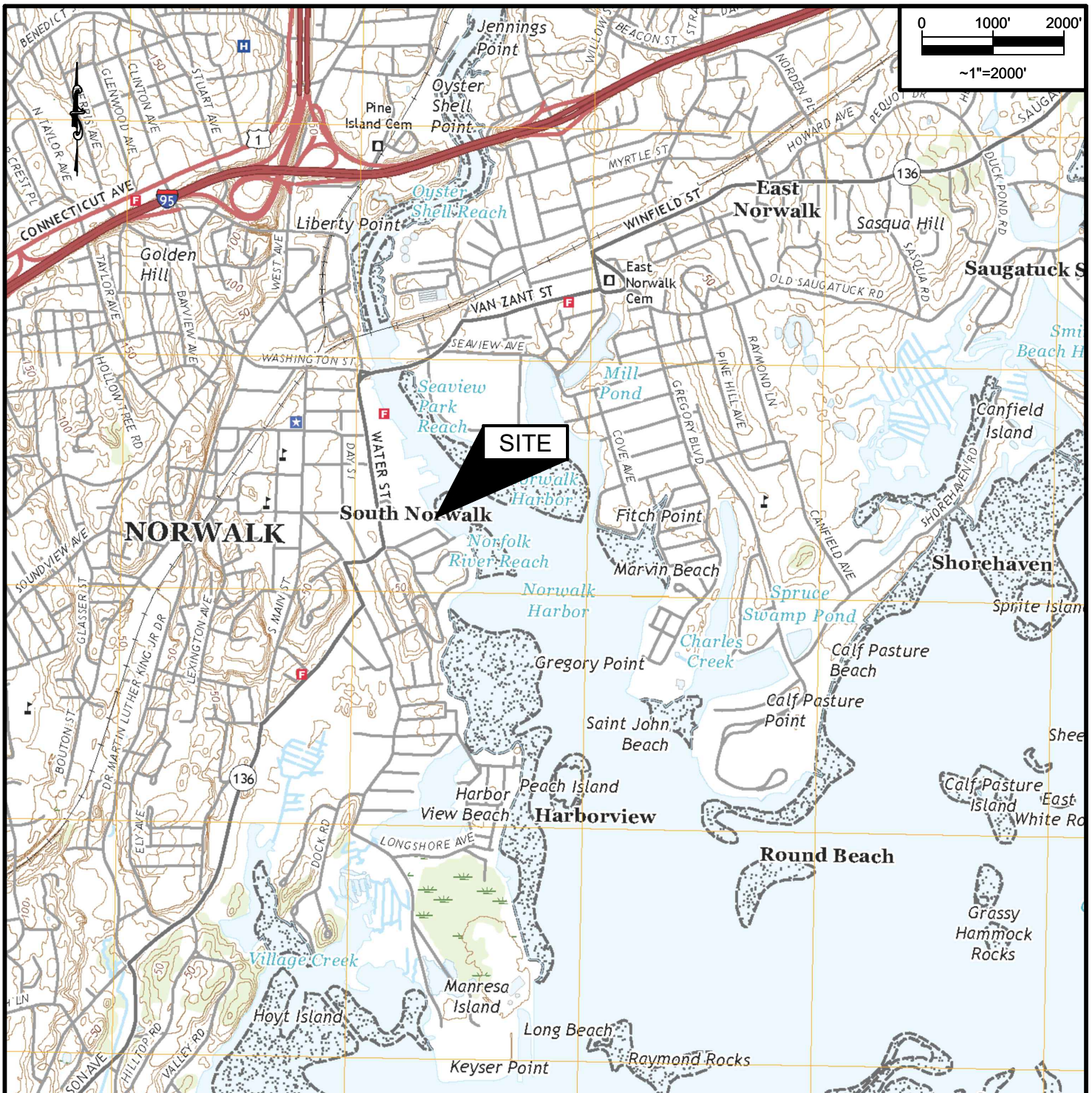
GENERAL NOTES

1. THE PURPOSE OF THESE DRAWINGS ARE FOR REGULATORY REVIEW ONLY.
2. VICINITY MAP TAKEN FROM USGS TOPOGRAPHIC MAP STAMFORD QUADRANGLE, CONNECTICUT-NEW YORK, 7.5 MINUTE SERIES, NORWALK, CT 2021.
3. ELEVATIONS REFERENCE MEAN LOWER LOW WATER (MLLW), UNLESS NOTED OTHERWISE.
4. BACKGROUND MAPPING PER DRAWING TITLED, "ZONING MAP OF PROPERTY PREPARED FOR SOUTH NORWALK BOAT CLUB", AND DATED 6/17/14, BY DENNIS A. DEILUS LAND SURVEYORS.
5. HYDROGRAPHIC SURVEY PERFORMED BY RACE COASTAL ENGINEERING, INC. ON 03/1/2023 AND ONLY REPRESENT THE SITE CONDITIONS AT THAT TIME.
6. TIDAL ELEVATION DATA HAS BEEN TAKEN FROM BENCH MARK SHEET FOR SOUTH NORWALK, CT 8468448 FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TIDES AND CURRENTS WEBSITE.

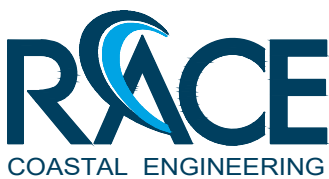
PROJECT TIDAL ELEVATIONS MLLW	
DATUM	ELEVATION (FT)
COASTAL JURISDICTION LINE (CJL)	+9.4
HIGH TIDE LINE (HTL)	+9.4
MEAN HIGH WATER (MHW)	+7.4
NAVD 88	+4.0
NGVD 29	+2.9
MEAN LOW WATER (MLW)	+0.3
MEAN LOWER LOW WATER (MLLW)	0.0

 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For: SOUTH NORWALK BOAT CLUB 17 MACK STREET NORWALK, CT 06854	SEAL: FOR REGULATORY REVIEW ONLY	Date: 11-19-2024	Rev.:
	Project: SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING 17 MACK STREET NORWALK, CT 06854		Drawn By: CBK	Checked By: SCS
			Datum: MLLW	Scale: N/A
			Project No.: 2023017	Drawing No.: 1 of 7
			ALL RIGHTS RESERVED. ©2024 RACE COASTAL ENGINEERING, INC.	

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VICINITY MAP



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SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT 06854

Project:

SOUTH NORWALK BOAT CLUB
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

SEAL:

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Date:

11-19-2024

Rev.:

Drawn By:

CBK

Checked By:

SCS

Datum:

MLLW

Scale:

~1"=2000'

Project No.:

2023017

Drawing No.:

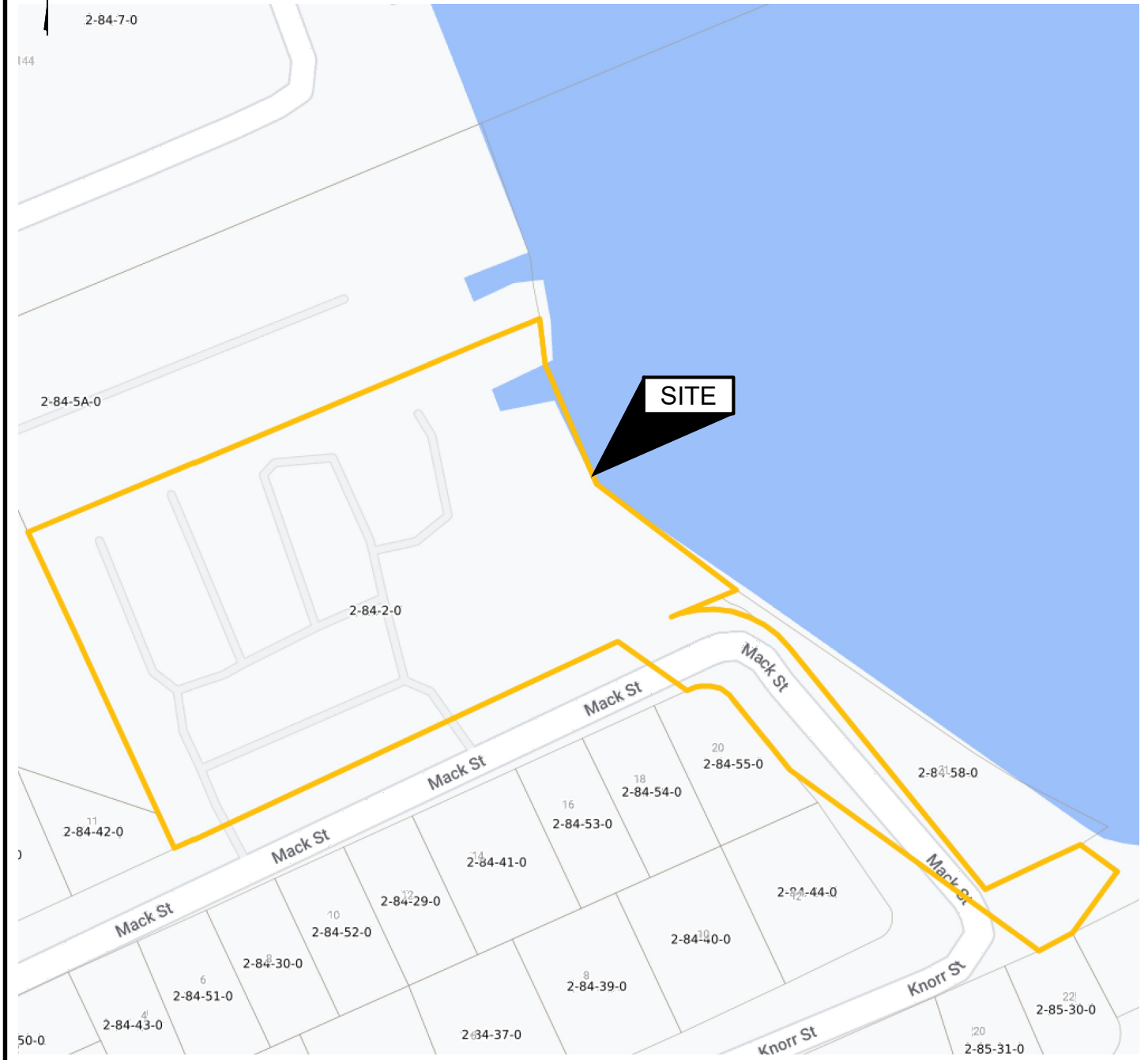
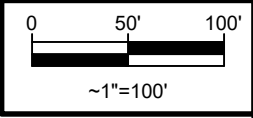
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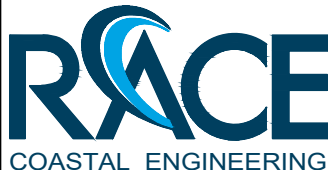
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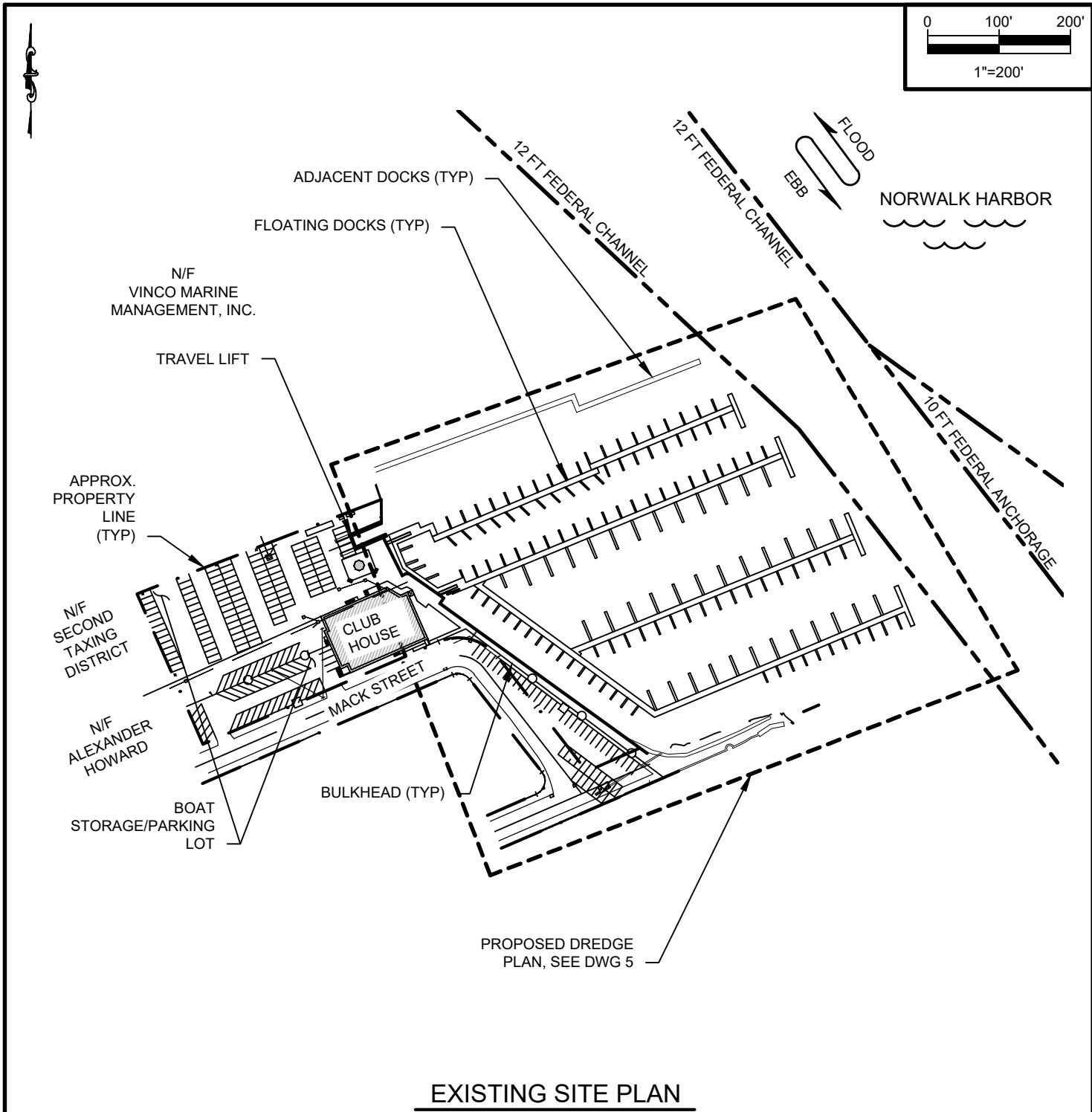
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TAX ASSESSOR'S MAP

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	Project: SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING 17 MACK STREET NORWALK, CT 06854		Drawn By: CBK	Checked By: SCS
			Datum: MLLW	Scale: ~1"=100'
			Project No.: 2023017	Drawing No.: 3 of 7
			ALL RIGHTS RESERVED. ©2024 RACE COASTAL ENGINEERING, INC.	
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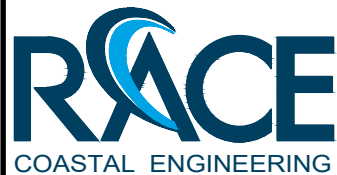
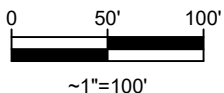


 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For:		SEAL:	Date:	Rev.:
	SOUTH NORWALK BOAT CLUB 17 MACK STREET NORWALK, CT 06854		FOR REGULATORY REVIEW ONLY	11-19-2024	
	Project:			Drawn By:	Checked By:
	SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING 17 MACK STREET NORWALK, CT 06854			CBK	SCS
				Datum:	Scale:
		MLLW		1"=200'	
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		NOT VALID WITHOUT ENGINEER'S SEAL		2023017	4 of 7



DREDGE PLAN

- 8.0' MLW (-7.7 MLLW) DREDGE AREA
- 1V:3H DREDGE SIDE SLOPE AREA
- 3.0' MLW (-2.7 MLLW) DREDGE AREA



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17 MACK STREET
NORWALK, CT 06854

Project: SOUTH NORWALK BOAT CLUB
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

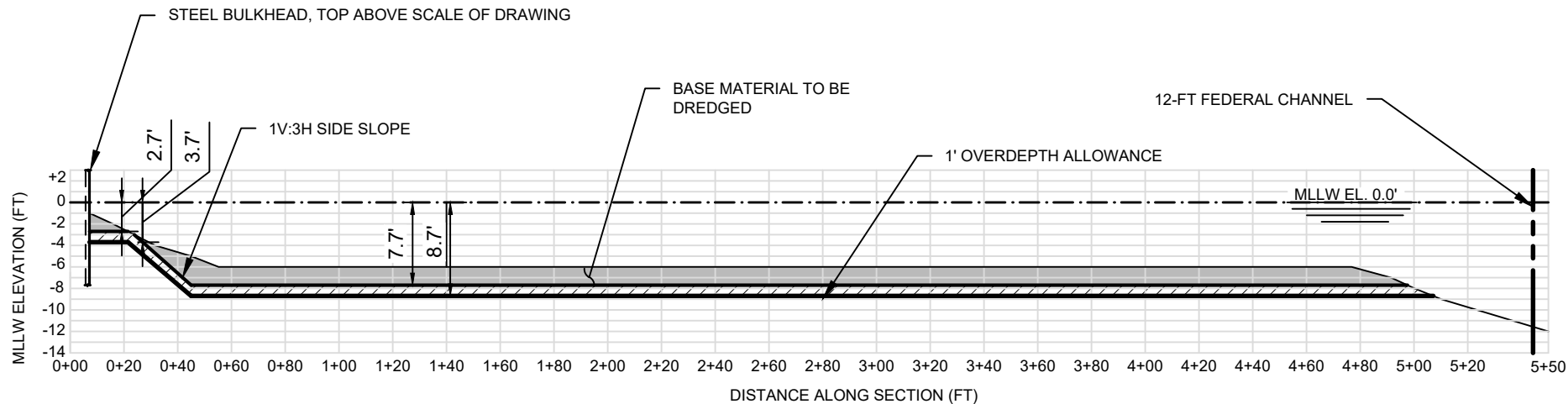
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SEAL:

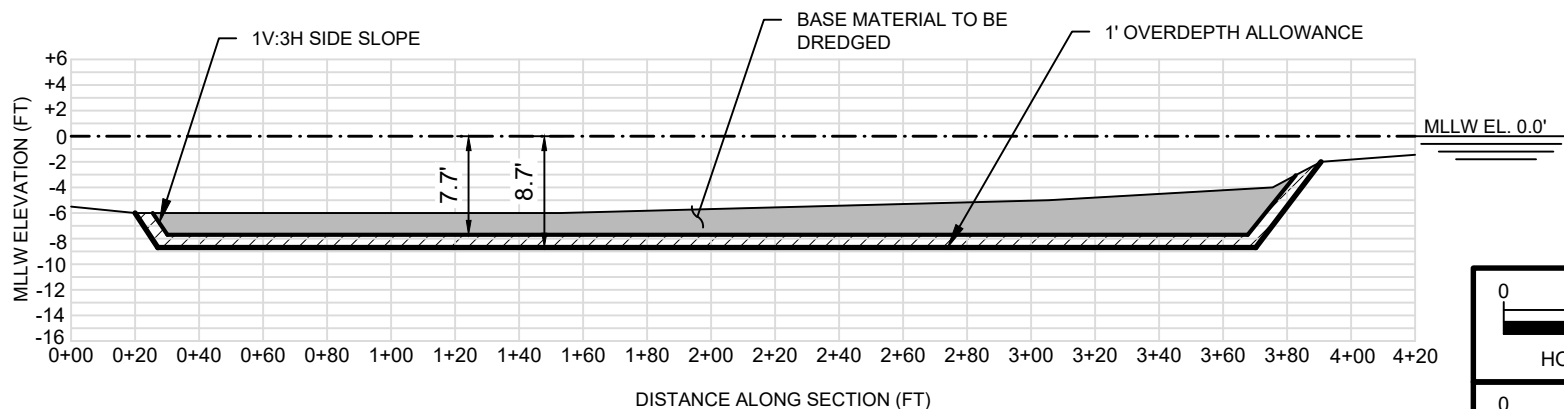
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REGULATORY
REVIEW ONLY

NOT VALID WITHOUT ENGINEER'S SEAL

Date:	Rev.:
11-19-2024	
Drawn By:	Checked By:
CBK	SCS
Datum:	Scale:
MLLW	1"=100'
Project No.:	Drawing No.:
2023017	5 of 7



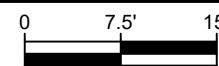
SECTION 1



SECTION 2



HORZ. 1"=60'



VERT. 1"=15'

NOTE(S):

1. CJL, HTL, MHW BEYOND SCALE OF DRAWING.
2. DOCKS NOT SHOWN FOR CLARITY.



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Prepared For:
SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT 06854

Project: **SOUTH NORWALK BOAT CLUB**
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

SEAL:

**FOR
REGULATORY
REVIEW ONLY**

Date:
11-19-2024

Drawn By:
CBK

Datum:
MLLW

Project No.:
2023017

Rev.:

Checked By:
SCS

Scale:
AS NOTED

Drawing No.:
6 of 7

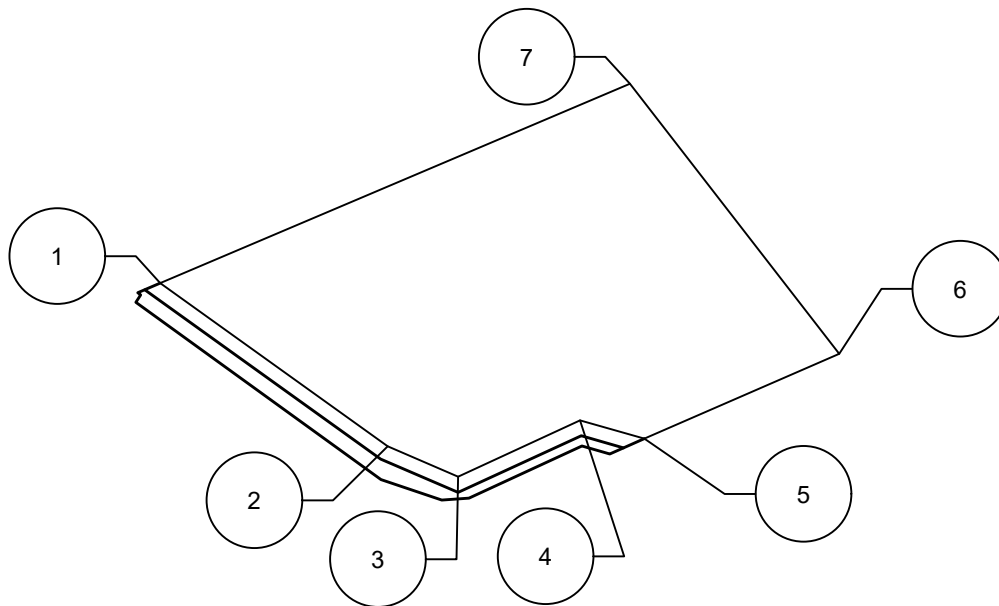
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DREDGE VOLUME SUMMARY (CY)	
BASE DREDGE VOLUME	13,000
1' OVERDEPTH VOLUME	6,200
TOTAL DREDGE VOLUME	19,200
TOTAL AREA	161,000 SF

DREDGE VOLUMES

DREDGE COORDINATES (NAD83) CT 0600		
POINT	NORTHING	EASTING
1	595332.76	817480.00
2	595162.73	817717.00
3	595131.28	817790.98
4	595189.75	817917.95
5	595170.72	817985.01
6	595259.29	818187.99
7	595540.56	817966.96



DREDGE COORDINATE PLAN



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NORWALK, CT 06854

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N/A

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SECTION 7

Attachment 25 DEEP Dredging Consultation Form DEEP-LWRD-APP-001V



FINAL Suitability Determination for South Norwalk Boat Club, Norwalk, CT, File Number NAE-2023-00974

1. Summary:

This determination addresses the suitability of dredged material from the proposed maintenance dredging of the South Norwalk Boat Club for unconfined open water disposal at the Western Long Island Sound Disposal Site (WLDS) and the Central Long Island Sound Disposal Site (CLDS). The New England District (NAE) of the U.S. Army Corps of Engineers (USACE) finds that sufficient data have been provided to satisfy the evaluation and testing requirements of Section 404 of the Clean Water Act (CWA). Based on an evaluation of the project site and the material proposed to be dredged, NAE finds the sediments suitable for unconfined open water disposal as proposed.

2. Project Description: The applicant is proposing to mechanically dredge approximately 19,200 cubic yards (cy) of material from shoaled areas totaling 3.7 acres of the property, located in the town of Norwalk, CT (Figure 1). This area will be dredged to the proposed depths of -2.7 -and -7.7 feet at mean lower low water (MLLW) plus one foot of allowable overdepth (Figures 2 and 3). The applicant requested that disposal of the proposed dredge material be evaluated for WLDS and CLDS as potential alternatives for this project.

3. Conceptual Site Model: NAE reviewed historic testing data, previous environmental assessments, water quality data, and adjacent land-use information to develop a conceptual site model (CSM) for the South Norwalk Boat Club project (Figure 4). NAE used this CSM to characterize the system and to identify potential sources of contamination, site-specific contaminants of concern, exposure pathways, and biological receptors to inform this suitability determination.

Project Setting: The project area is associated with the South Norwalk Boat Club facility, located in Norwalk Harbor, in Norwalk, CT. The facility supports approximately 300 slips for seasonal and long-term berthing of member boats as well as vessel hauling and launching activities using an on-site travel lift well. The shoreline of the site is characterized by steel bulkhead structures which support the developed upland area. A floating dock marina is situated between the bulkhead and the west side of the Norwalk Harbor Federal Navigation Project (FNP) -12 foot MLLW channel. Structures in the upland include a clubhouse, gazebo, travel lift, and other accessory support buildings for these developments.

Land use in the surrounding area is mixed residential and commercial with several private residences and marinas nearby. The site is bordered by Rex Marine Center, Total Marine, and Ischoda Yacht Club to the north and private

residences to the south. The adjacent Rex Marine Center is a full-service marina providing fueling, sanitary pump-out, boat and engine repair, and dry-dock winter storage services. The Clean Marine Energy shipping company is located approximately 330 feet north of the project area. The Veteran's Memorial Park and Marina is located across the harbor from the project area, approximately 700 feet to the north.

Water Quality: Water quality in Norwalk Harbor is dictated by tidal exchange with Long Island Sound and freshwater input from the upstream portion of the Norwalk River, overland runoff, and five outfalls located along the northwestern and southeastern sections of the property's waterfront. The State of Connecticut classifies the waters of the lower portion of the Norwalk Harbor as SB (CTDEEP, 2018). Class SB waters designated uses include habitat for marine fish and aquatic life and wildlife; commercial shellfish harvesting; recreation; industrial water supply; and navigation. However, shellfish harvesting is conditionally restricted in the project area (CTDOAG, 2023).

Dredge History and Existing Testing Data: The project area was last dredged in 2013 when approximately 19,200 cy of material were removed to depths of -3 and -8 feet at mean low water (MLW) and placed at WLDS. Sampling and testing of this material in 2012 documented sediments as predominately fine grained. A review of the associated chemistry data found arsenic, cadmium, copper, lead, mercury, nickel, zinc, total DDX (the sum of 4,4'-DDD, 4,4'-DDE, 4,4'-DDT), and total polychlorinated biphenyls (PCBs) detected at concentrations with the potential to cause toxicity based on current sediment screening guidelines. A suitability determination from 2013 found the sediments not suitable for unconfined open water disposal at CLDS, with the exception of the southwestern corner of the dredge area along the bulkhead, though the sediments could be capped at CLDS. However, all of the sediments were found suitable for unconfined open water disposal at WLDS.

The adjacent Rex Marine Center was last dredged in 2008 when approximately 8,300 cy of sediment were removed to a depth of -8 feet MLW and placed at CLDS. Sampling and testing of this material in 2004 documented sediments as predominately fine grained. A review of the associated chemistry data found arsenic, cadmium, copper, lead, mercury, and nickel detected at concentrations with the potential to cause toxicity based on current sediment screening guidelines. A suitability determination from 2004 found the sediments suitable for disposal at CLDS with special management and suitable for unconfined open water disposal at WLDS. More recent sampling and testing of this material in 2022 also documented sediments as predominately fine grained. A review of the associated chemistry data found arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc, total DDX, total high and low molecular weight polycyclic aromatic hydrocarbons (HPAHs and LPAHs), total chlordane, and total PCBs detected at concentrations with the potential to cause toxicity based on sediment screening guidelines. In some areas, copper, mercury, zinc, 4,4'-DDD, total

HPAHs, total LPAHs, and total PCBs were also found at concentrations likely to cause toxicity based on sediment screening guidelines. These sediments were unsuitable for open water disposal without additional testing.

Spill Data: Based on information provided by the applicant and a review of the Connecticut Department of Energy and Environmental Protection (CTDEEP) Document Online Search Portal (<https://filings.deep.ct.gov/DEEPDocumentSearchPortal/>), NAE determined that there have been no spills within the vicinity of the project area since it was last dredged.

Disposal Site: WLDS is located approximately 8 miles southwest and CLDS is located approximately 28 miles southeast of the project area. WLDS and CLDS have been monitored by the NAE Disposal Area Monitoring System (DAMOS) Program and the results are documented in multiple reports (<https://www.nae.usace.army.mil/Missions/Disposal-Area-Monitoring-System-DAMOS/Reports/>). The most recent DAMOS surveys of WLDS occurred in 2023 (USACE, 2024) and the most recent survey of CLDS occurred in 2021 (USACE, 2021).

Risk ranking: Following this tier one review of the site characteristics and the available historical data, the South Norwalk Boat Club project was given a **high** risk ranking according to the following matrix.

Table 1: Project Risk Ranking

Rank	Guidelines
Low	Few or no sources of contamination. Data available to verify no significant potential for adverse biological effects.
Low-Moderate	Few or no sources of contamination but existing data is insufficient to confirm ranking.
Moderate	Contamination sources exist within the vicinity of the project with the potential to produce chemical concentrations that may cause adverse biological effects.
High	Known sources of contamination within the project area and project area or project(s) in the vicinity were previously unsuitable for unconfined open water placement.

4. Sampling, Testing, and Analysis:

NAE prepared a sampling and analysis plan (SAP) in August of 2023. The SAP called for the collection of seven samples for bulk sediment chemistry and grain size analysis (Figure 3). Samples for grain size and bulk chemistry analysis were collected in October of 2023. The reported sample locations and core lengths are presented in Table 2 and core logs are provided in Appendix A.

Table 2: Sample Locations and Core Lengths

Sample ID	Longitude	Latitude	Project Depth with Overdepth (ft MLLW)	Water Depth (ft MLLW)	Required Core Length (ft)	Penetration /Recovery (ft)	Chemistry Sample Interval (ft)
SNBC-1	41.092960	-73.412110	-3.7	-1.6	2.1	2.1/2.0	0-2.0
SNBC-2	41.092482	-73.411138	-3.7	-1.4	2.3	2.3/1.8	0-1.8
SNBC-3	41.093050	-73.411630	-8.7	-6.5	2.2	2.2/1.7	0-1.7
SNBC-4	41.092850	-73.410980	-8.7	-5.7	3.0	3.0/3.0	0-3.0
SNBC-5	41.093350	-73.410800	-8.7	-6.2	2.5	2.5/2.2	0-2.2
SNBC-6	41.093352	-73.410808	-8.7	-6.1	2.6	2.6/2.5	0-2.5
SNBC-7	41.092710	-73.410190	-8.7	-4.7	4.0	4.0/3.5	0-3.5

Physical and Chemical Analysis of Sediments

Samples were described as black organic silt and contained greater than 92% fines with the exception of station SNBC-2 which contained 46.1% fines with some gravel and sand. Grain size data are presented in Table 3.

Table 3: Grain Size Results

% Grain Size:	Total Gravel	Coarse Sand	Medium Sand	Fine Sand	Total Fines
SNBC-1	0.1	0.6	3.7	2.8	92.8
SNBC-2	21.5	7.1	14.1	11.2	46.1
SNBC-3	0	0.1	0.4	1.6	97.9
SNBC-4	0	0.1	0.6	1.5	97.8
SNBC-5	0	0.3	0.6	1.9	97.2
SNBC-6	0	0.2	0.9	1.4	97.5
SNBC-7	0	0.3	0.9	1.6	97.2

Samples were analyzed for the standard suite of contaminants specified in the *Regional Implementation Manual for the Evaluation of Dredged Material Proposed for Disposal in New England Waters* (RIM) (EPA/USACE, 2004), as no additional project specific contaminants of concern were identified in the CSM.

To examine the sediment concentrations in an ecologically meaningful context, NAE used Sediment Quality Guidelines (SQGs) to screen the chemical concentrations found in the sediment samples from the South Norwalk Boat Club project. Applicable SQG screening values for marine and estuarine sediments are the National Oceanic and Atmospheric Administration (NOAA) effects-range low (ERL) and effects-range median (ERM). It is important to understand that these values were not derived as toxicity pass-fail thresholds.

Rather, ERL and ERM values are empirically derived guidelines based on a large number of studies nationwide that identify contaminant levels that indicate probability of toxic effects to inform decision making (Long et al., 1998). Effects are considered unlikely at concentrations below the ERL with an increased probability of toxic effects as concentrations increase. At concentrations above the ERM toxic effects are considered likely. For samples with sediment concentrations that fall between the ERL and ERM levels, consideration is given to both the number of contaminants that exceed ERL values and where the concentrations fall in the range between ERL and ERM values in assessing the probability of toxic effects and the potential need for additional testing.

Several metals were greater than the ERL and disposal site reference values in all sample locations. All metals in stations SNBC-4 and SNBC-5 were greater than the ERL, all metals except for chromium were greater than the ERL in stations SNBC-1 and SNBC-3, all metals except for arsenic and chromium in stations SNBC-6 and SNBC-7 were greater than the ERL while station SNBC-2 contained all metals except for arsenic, chromium, and lead at concentrations greater than the ERL. Total high molecular weight PAHs (HPAHs) exceeded the ERL and reference values in samples SNBC-1 and SNBC-2 and acenaphthylene was greater than the ERL and reference site values in station SNBC-1. Total DDX (the sum of the pesticides 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT) and 4,4'-DDT exceeded the ERL and reference site values in all stations. 4,4'-DDD was greater than the ERL and reference values in station SNBC-1 while 4,4'-DDE exceeded the ERL and reference values in all stations except for SNBC-7. No other pesticides were detected in the project samples. Total polychlorinated biphenyl (PCB) concentrations exceeded the ERL and reference site values in all stations except for SNBC-6 and SNBC-7.

A summary of the bulk sediment chemistry data is presented in Table 4 with comparison to the ERL/ERM values and reference concentrations for WLDS and CLDS. The full bulk chemistry results are presented in Appendix B.

Table 4: Summary of Bulk Sediment Chemistry Results

South Norwalk Boat Club NAE-2023-00974					WLDS		CLDS		SNBC-1		SNBC-2		SNBC-3		SNBC-4		SNBC-5		SNBC-6		SNBC-7	
Parameter	CAS Number	Units	ERL	ERM	Value	Q	Value	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Physical																						
Total organic carbon	14762744	%			1.0		1.8		2.7		3.1		2.9		3.0		2.9		2.8		2.8	
Metals																						
Arsenic	7440382	mg/kg	8.2	70	4.15		5.86		9.20		6.28		8.49		9.18		8.84		7.74		7.67	
Cadmium	7440439	mg/kg	1.2	9.6	0.10		0.08		1.39		1.25		1.76		1.97		1.85		1.48		1.30	
Chromium	7440473	mg/kg	81	370	32.1		35.7		67.4		64.5		74.1		81.2		83.0		79.4		68.9	
Copper	7440508	mg/kg	34	270	29.7		26.1		205		133		166		197		179		175		157	
Lead	7439921	mg/kg	46.7	218	22.1		24.3		83.5		43.0		63.1		68.3		67.5		59.8		52.5	
Mercury	7439976	mg/kg	0.150	0.710	0.10		0.11		0.47		0.30		0.44		0.57		0.57		0.48		0.48	
Nickel	7440020	mg/kg	20.9	51.6	14.3		20.0		31.5		22.9		25.7		27.0		27.0		26.2		23.7	
Zinc	7440666	mg/kg	150	410	75.8		91.3		328		211		247		271		259		263		245	
PAHs																						
Acenaphthylene	208968	ug/kg	44	640	6.0		10		53		42		29		29		33		31		2	U
<i>Total LPAH</i>	<i>SUMLPAH</i>	ug/kg	552	3,160	50		77		191		164		99		127		130		99		63	
<i>Total HPAH</i>	<i>SUMHPAH</i>	ug/kg	1,700	9,600	514		725		2167		1884		1034		960		1069		873		854	
Pesticides																						
4,4`-DDD	72548	ug/kg	2	20	0.29		0.38		10		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
4,4`-DDE	72559	ug/kg	2.2	27	0.26		0.56		6.7		6.3		7.3		4.9		3.6		5.0		0.33	U
4,4`-DDT	50293	ug/kg	1	7	0.25	U	0.15	U	3.3	J-	4.5	J-	4.0	J-	4.5	J-	3.8	J-	3.4	J-	3.0	J-
<i>Total DDX</i>	<i>SUMDDX</i>	ug/kg	1.58	46.1	0.81		1.1		20		11		12		9.7		7.7		8.7		3.7	
PCBs																						
<i>Total PCBs</i>	<i>SumNOAA18</i>	ug/kg	22.7	180	14		7.3		41		40		26		52		30		13	U	12	U

Notes:

Yellow indicates an exceedance of the ERL

Red indicates an exceedance of the ERM

U: Compound was analyzed for but was not detected (non-detect)

J: Indicates an estimated value

J-: Indicates an estimated value biased low

Total PCBs were calculated using the NOAA 18 method

Non-detects are reported as half the MDL

Half the MDL was used for U-qualified values to calculate summary values

Biological Analysis of Sediments

Based on both the number of contaminants in the sediment chemistry results that exceed ERL values and where the concentrations fall in the range between ERL and ERM values, NAE decided that biological testing would be required to determine the suitability of the dredged sediments from the South Norwalk Boat Club project for unconfined open water placement under Section 404 of the CWA. NAE prepared a supplemental biological SAP in February of 2024. Based on the chemistry results and location of sample stations, NAE provided the applicant with a compositing plan for biological testing following the tiered testing protocol outlined in the Evaluation of Dredged Material Proposed for Discharge in Waters of the U.S. – Testing Manual (ITM, EPA/USACE, 1998). The applicant collected material for biological testing in April of 2024. One composite sample was collected according to the compositing plan in Table 5 to determine the potential for the dredged sediment to cause adverse effects to the biological receptors identified in the CSM. Compliance with water quality criteria was determined through elutriate testing, sediment toxicity was measured through a 10-day whole sediment acute toxicity test, and water column toxicity was determined through a suspended particulate phase test as described in the ITM (EPA/USACE, 1998). NAE, in consultation with EPA Region 1, determined that bioaccumulation testing was not warranted based on a comparison with other regional dredging projects evaluated for placement at WLDS and CLDS.

Table 5: Biological Testing Composites

Biological Composite	Sample Stations
Comp-1	SNBC-1, 2, 3, 4, 5, 6, 7

Evaluating Potential Effects to Benthic Organisms

The CSM identified the uptake of contaminants from placed dredged material at WLDS and CLDS as a primary exposure pathway for project sediments and the potential for acute toxicity was determined through a 10-day whole sediment acute toxicity test as described in the ITM (EPA/USACE, 1998).

Mean mortality in the control samples of the 10-day whole sediment acute toxicity tests was less than 10% for the amphipod (*Leptocheirus plumulosus*) and for the mysid (*Americamysis bahia*); therefore, the tests were valid based on criteria established in the testing protocols.

Mean survivability for *L. plumulosus* was between 96% in the composite sample and was not statistically different when compared to survivability in the WLDS and CLDS reference sediments. The material proposed to be dredged is not considered acutely toxic to the amphipods used in this assessment.

Mean survivability for *A. bahia* was between 96% in the composite sample and was not statistically different when compared to survivability in the WLDS and CLDS reference sediment. The material proposed to be dredged is not considered acutely toxic to the mysids used in this assessment. Results from the 10-day whole sediment toxicity test are summarized in Table 6.

Table 6: Mean Survivability in the 10-day Whole Sediment Toxicity Test

Composite	<i>A. bahia</i>	<i>L. plumulosus</i>
Lab Control	96%	100%
WLDS Reference	87%	92%
CLDS Reference	97%	91%
Comp-1	96%	96%

Evaluating Potential Effects to Fish and Marine Invertebrates

The conceptual site model identified the uptake of contaminants from the water column during the placement of dredged material at WLDS and CLDS as a primary exposure pathway for project sediments. The potential for water column toxicity was determined through a suspended particulate phase (SPP) toxicity test as described in the ITM (EPA/USACE, 1998).

The results from the suspended particulate phase toxicity test were used to determine the median lethal concentration (LC₅₀) for the three target species exposed to the sediment elutriates. The mysid, *Americamysis bahia*, the minnow, *Menidia beryllina*, and the urchin, *Arbacia punctulata*, showed no adverse effects on survival after exposure to the elutriate from the three composite samples, all with LC₅₀ values >100% (Table 7).

Table 7: LC₅₀ Values in the Suspended Particulate Phase Toxicity Test

Composite	<i>A. bahia</i>	<i>M. beryllina</i>	<i>A. punctulata</i>
Comp-1	>100%	>100%	>100%

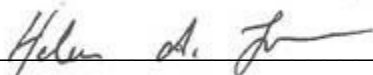
The limiting permissible concentration (LPC) of dissolved plus suspended contaminants, after allowance for mixing, cannot exceed 0.01 of the toxic (LC₅₀) concentration beyond the boundaries of the mixing zone as described in the ITM (EPA/USACE, 1998). To determine if the discharge of dredged material would meet the limiting permissible concentration, NAE utilized the Short-Term Fate (STFATE) numerical model to analyze the disposal cloud as it descends through the water column after release from a scow. Results of the STFATE evaluation using the lowest LPC (LC₅₀ of 100% and an application factor of 0.01) predicted that the water column would attain the LPC within four hours of disposal of material at WLDS and CLDS.

Additionally, all contaminants of concern in the elutriate sample were below the Connecticut water quality criteria. Elutriate chemistry concentrations are presented in Appendix C.

5. Suitability Determination:

Based on the weight of evidence including the conceptual site model, sediment chemistry results, biological testing results, and subsequent modeling, no significant adverse impacts through the exposure pathways identified in the conceptual site model were found for the South Norwalk Boat Club sediments. According to the testing and evaluation requirements set forth in Section 404 of the CWA, and after completing a Tier III evaluation according to the ITM, the sediments to be dredged from the South Norwalk Boat Club are considered suitable for unconfined open water disposal at WLDS and CLDS.

This suitability determination was coordinated with EPA Region 1 and CTDEEP. CTDEEP concurred with the determination and EPA Region 1 conducted an individual evaluation of the project and documented their findings in a separate memo.

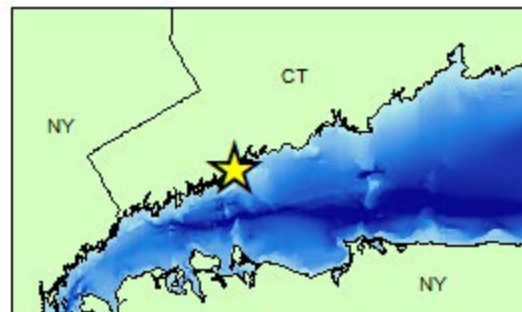
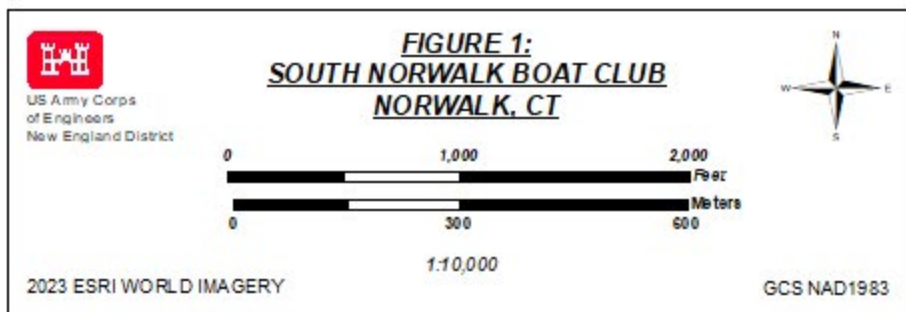
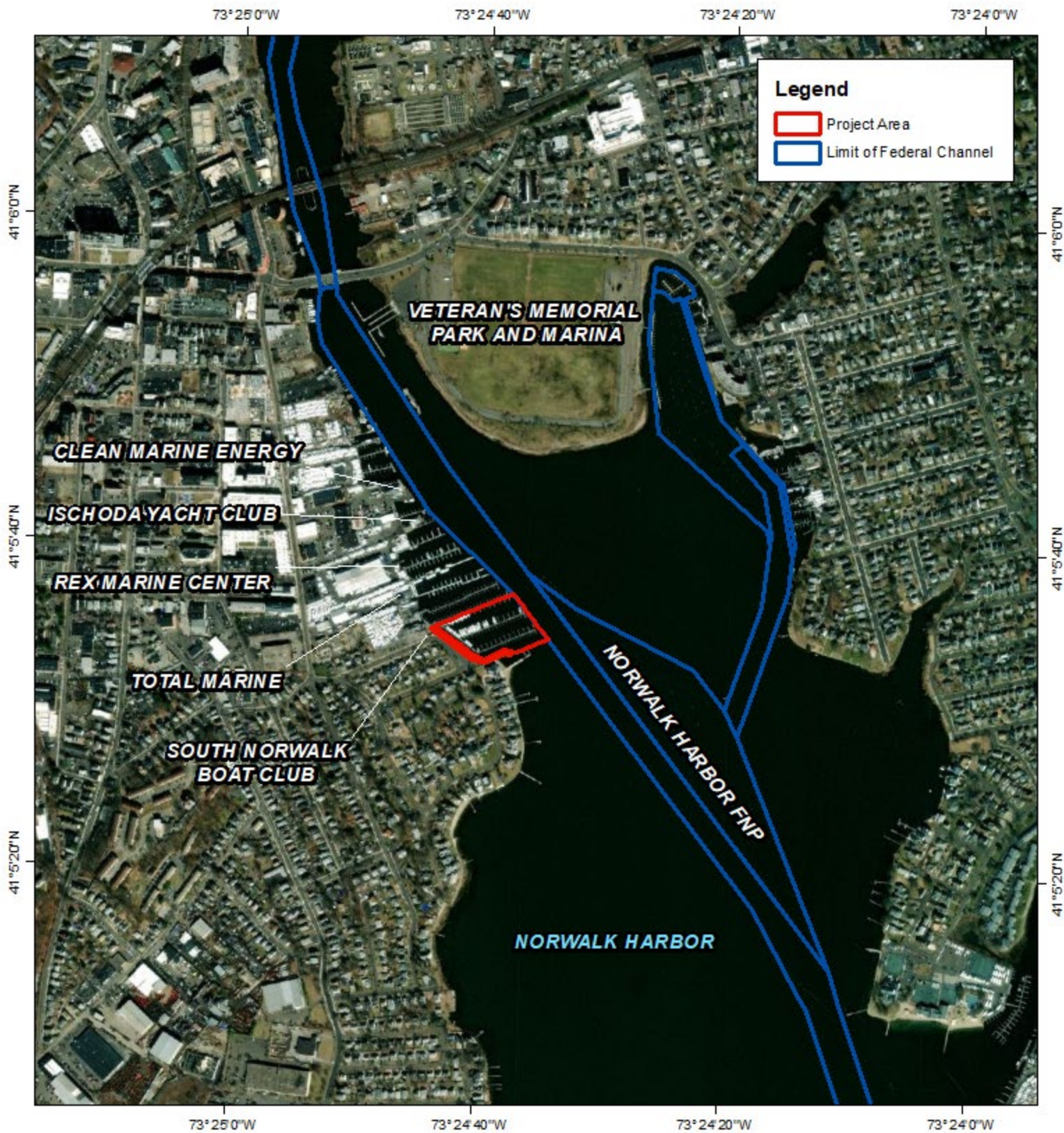


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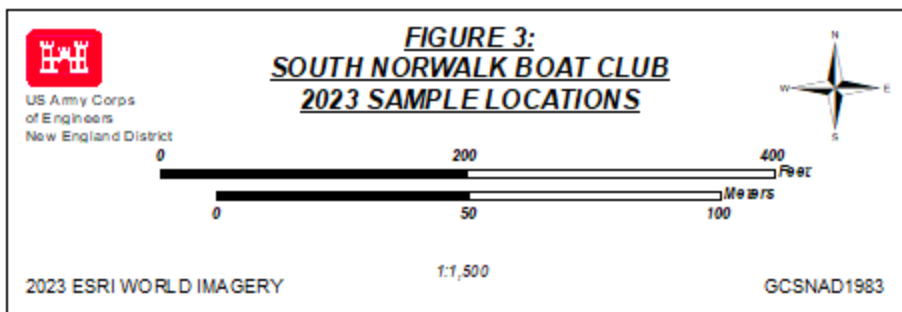
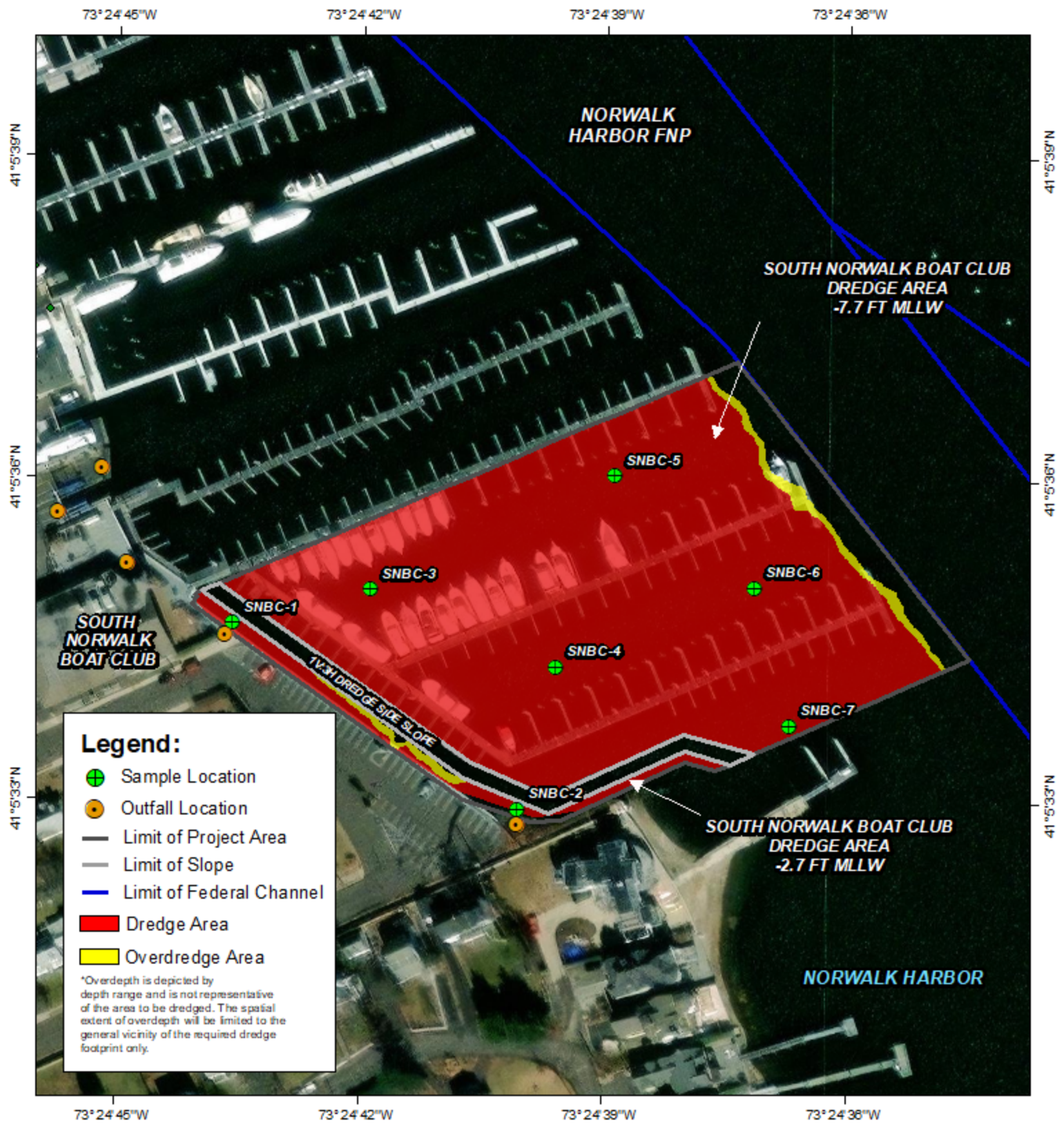
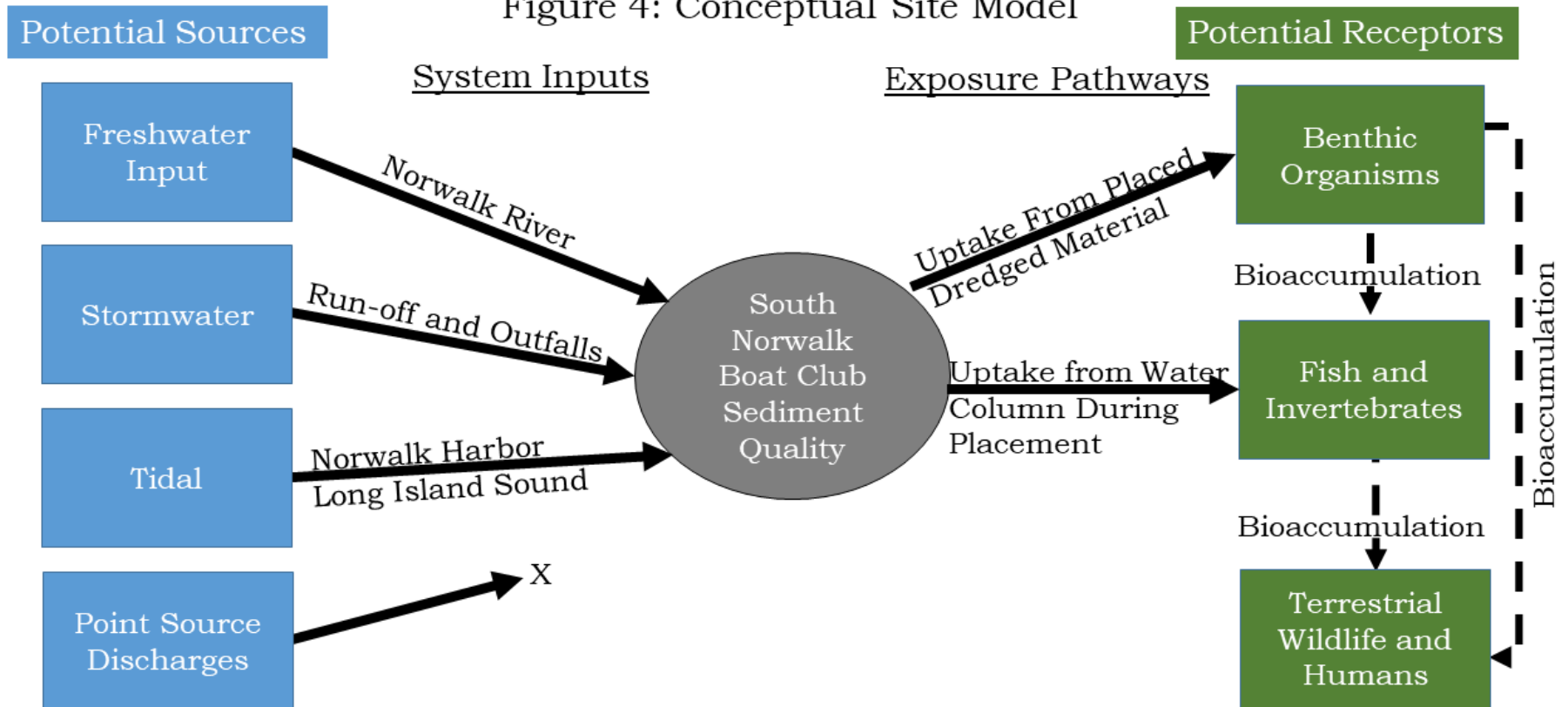


Figure 4: Conceptual Site Model



Appendix A

Core Logs

 611 Access Road Stratford, CT 06615 T: 203.377.0663 F: 203.375.6561 racecoastal.com		SEDIMENT CORE LOG		Core ID:
				SNBC-1
Project: South Norwalk Boat Club		Project No.: 2023017	Date: 10/5/2023	
Client: South Norwalk Boat Club		Location: Norwalk CT	Time: 0913	
ACOE File No.: NAE-2023-00974		Vessel: Whaler	Crew: MM, CK, ZV	
TIDE LEVEL		COORDINATES		
Tide Height (ft): 2.4	Source: Network RTK	Northing: 595295.9	Easting: 817492.7	
Water Depth (ft): 4.0	Datum: MLLW	SPC Zone: CT 0600	Datum: NAD 83	
Corrected Mudline EL. (ft): -1.6		Lat: 41.09296	Long: -73.41211	
Project Dredge El. Incl. Overdredge (ft): -3.7		GPS: WAAS	Accuracy (ft): 9.0	
Required Core Length (ft): 2.1				
Depth (ft)	Elevation (ft)	Sample ID	ASTM D2488 Description	
0.0	-1.6	~~~ <i>Norwalk Harbor</i> ~~~		
		SNBC-1	Organic Soil (OL/OH) – About 100 % fines; wet, black, organic odor	
2.1	-3.7			
Sampling Device: SDI Vibecore Mini		Core Barrel Diameter (in.): 3		Liner: Polyliner
Deployment	1	2	3	
Core Penetration (ft):	2.1	2.1	2.1	
Recovered Core Length (ft):	0.0	1.0	2.0	
Recover Length/Penetration (%)	0.0	0.0	95.0	
Core Length Retained (ft):	0.0	0.0	2.0	

Comments/Photographs:



Photograph 1 - Core SNBC-1: 0.0-2.0' of recovery

 611 Access Road Stratford, CT 06615 T: 203.377.0663 F: 203.375.6561 racecoastal.com		SEDIMENT CORE LOG		Core ID:
				SNBC-2
Project: South Norwalk Boat Club		Project No.: 2023017	Date: 10/5/2023	
Client: South Norwalk Boat Club		Location: Norwalk CT	Time: 0836	
ACOE File No.: NAE-2023-00974		Vessel: Whaler	Crew: MM, CK, ZV	
TIDE LEVEL		COORDINATES		
Tide Height (ft): 3.0	Source: Network RTK	Northing: 595120.6	Easting: 817758.4	
Water Depth (ft): 4.4	Datum: MLLW	SPC Zone: CT 0600	Datum: NAD 83	
Corrected Mudline El. (ft): -1.4		Lat: 41.092482	Long: -73.411138	
Project Dredge El. Incl. Overdredge (ft): -3.7		GPS: WAAS	Accuracy (ft): 9.0	
Required Core Length (ft): 2.3				
Depth (ft)	Elevation (ft)	Sample ID	ASTM D2488 Description	
0.0	-1.4	<i>~ ~ ~ Norwalk Harbor ~ ~ ~</i>		
		SNBC - 2	Organic Soil (OL/OH) – 1.0' About 100 % fines; wet, black, organic odor	
2.3	-3.7			
Sampling Device: SDI Vibecore Mini		Core Barrel Diameter (in.): 3		Liner: Polyliner
Deployment	1	2	3	
Core Penetration (ft):	2.3	2.3	2.3	
Recovered Core Length (ft):	0.0	0.0	1.83	
Recover Length/Penetration (%)	0.0	0.0	79.0	
Core Length Retained (ft):	0.0	0.0	1.83	

Comments/Photographs:



Photograph 1 - Core SNBC-2: 0.0-1.83'' of recovery

 611 Access Road Stratford, CT 06615 T: 203.377.0663 F: 203.375.6561 racecoastal.com		SEDIMENT CORE LOG		Core ID:
				SNBC-3
Project: South Norwalk Boat Club		Project No.: 2023017	Date: 10/5/2023	
Client: South Norwalk Boat Club		Location: Norwalk CT	Time: 1100	
ACOE File No.: NAE-2023-00974		Vessel: Whaler	Crew: MM, CK, ZV	
TIDE LEVEL		COORDINATES		
Tide Height (ft): 1.9	Source: Network RTK	Northing: 595327.1	Easting: 817622.9	
Water Depth (ft): 8.4	Datum: MLLW	SPC Zone: CT 0600	Datum: NAD 83	
Corrected Mudline EL. (ft): -6.5		Lat: 41.09305	Long: -73.41163	
Project Dredge El. Incl. Overdredge (ft): -8.7		GPS: WAAS	Accuracy (ft): 9.0	
Required Core Length (ft): 2.2				
Depth (ft)	Elevation (ft)	Sample ID	ASTM D2488 Description	
0.0	-6.5	<i>~ ~ ~ Norwalk Harbor ~ ~ ~</i>		
		SNBC-3	Organic Soil (OL/OH) – About 100 % fines; wet, black, organic odor	
2.2	-8.7			
Sampling Device: SDI Vibecore Mini		Core Barrel Diameter (in.): 3		Liner: Polyliner
Deployment	1	2	3	
Core Penetration (ft):	2.2	2.2		
Recovered Core Length (ft):	0.0	1.7		
Recover Length/Penetration (%)	0.0	77.0		
Core Length Retained (ft):	0.0	1.7		

Comments/Photographs:



Photograph 1 - Core SNBC-3: 0.0 - 1.7' of recovery

 611 Access Road Stratford, CT 06615 T: 203.377.0663 F: 203.375.6561 racecoastal.com		SEDIMENT CORE LOG		Core ID:
				SNBC-4
Project: South Norwalk Boat Club		Project No.: 2023017	Date: 10/5/2023	
Client: South Norwalk Boat Club		Location: Norwalk CT	Time: 1015	
ACOE File No.: NAE-2023-00974		Vessel: Whaler	Crew: MM, CK, ZV	
TIDE LEVEL		COORDINATES		
Tide Height (ft): 1.8	Source: Network RTK	Northing: 595255.3	Easting: 817801.1	
Water Depth (ft): 7.5	Datum: MLLW	SPC Zone: CT 0600	Datum: NAD 83	
Corrected Mudline EL. (ft): -5.7		Lat: 41.09285	Long: -73.41098	
Project Dredge El. Incl. Overdredge (ft): -8.7		GPS: WAAS	Accuracy (ft): 9.0	
Required Core Length (ft): 3.0				
Depth (ft)	Elevation (ft)	Sample ID	ASTM D2488 Description	
0.0	-5.7	<i>~ ~ ~ Norwalk Harbor ~ ~ ~</i>		
		SNBC - 4	Organic Soil (OL/OH) – About 100 % fines; wet, black, organic odor	
3.0	-8.7			
Sampling Device: SDI Vibecore Mini		Core Barrel Diameter (in.): 3		Liner: Polyliner
Deployment	1	2	3	
Core Penetration (ft):	3.0	3.0	3.0	
Recovered Core Length (ft):	0.0	1.1	3.0	
Recover Length/Penetration (%)	0.0	0.0	100.0	
Core Length Retained (ft):	0.0	0.0	3.0	

Comments/Photographs:



Photograph 1 - Core SNBC-4: 3.0' of recovery



Photograph 2 - Core SNBC-4: 0.0-2.0' of recovery



Photograph 2 - Core SNBC-4: 2.0'-4.0' of recovery

 611 Access Road Stratford, CT 06615 T: 203.377.0663 F: 203.375.6561 racecoastal.com		SEDIMENT CORE LOG		Core ID:
				SNBC- 5
Project: South Norwalk Boat Club		Project No.: 2023017	Date: 10/5/2023	
Client: South Norwalk Boat Club		Location: Norwalk CT	Time: 1140	
ACOE File No.: NAE-2023-00974		Vessel: Whaler	Crew: MM, CK, ZV	
TIDE LEVEL		COORDINATES		
Tide Height (ft): 2.2	Source: Network RTK	Northing: 595436.6	Easting: 817852.0	
Water Depth (ft): 8.4	Datum: MLLW	SPC Zone: CT 0600	Datum: NAD 83	
Corrected Mudline El. (ft): -6.2		Lat: 41.09335	Long: -73.41080	
Project Dredge El. Incl. Overdredge (ft): -8.7		GPS: WAAS	Accuracy (ft): 9.0	
Required Core Length (ft): 2.5				
Depth (ft)	Elevation (ft)	Sample ID	ASTM D2488 Description	
0.0	-6.2	<i>~ ~ ~ Norwalk Harbor ~ ~ ~</i>		
		SNBC - 5	Organic Soil (OL/OH) – About 100 % fines; wet, black, organic odor	
2.5	-8.7			
Sampling Device: SDI Vibecore Mini		Core Barrel Diameter (in.): 3		Liner: Polyliner
Deployment	1	2	3	
Core Penetration (ft):	2.5	2.5	2.5	
Recovered Core Length (ft):	0.0	1.0	2.2	
Recover Length/Penetration (%)	0.0	0.0	88.0	
Core Length Retained (ft):	0.0	0.0	2.2	

Comments/Photographs:



Photograph 1 - Core SNBC-5: 0.0-2.0' of recovery



Photograph 2 - Core SNBC-5: 2.0'-2.2' of recovery

 611 Access Road Stratford, CT 06615 T: 203.377.0663 F: 203.375.6561 racecoastal.com		SEDIMENT CORE LOG		Core ID:
				SNBC- 6
Project: South Norwalk Boat Club		Project No.: 2023017	Date: 10/5/2023	
Client: South Norwalk Boat Club		Location: Norwalk CT	Time: 1040	
ACOE File No.: NAE-2023-00974		Vessel: Whaler	Crew: MM, CK, ZV	
TIDE LEVEL		COORDINATES		
Tide Height (ft): 1.7	Source: Network RTK	Northing: 595328.7	Easting: 817988.8	
Water Depth (ft): 7.8	Datum: MLLW	SPC Zone: CT 0600	Datum: NAD 83	
Corrected Mudline El. (ft): -6.1		Lat: 41.0933520	Long: -73.4108077	
Project Dredge El. Incl. Overdredge (ft): -8.7		GPS: WAAS	Accuracy (ft): 9.0	
Required Core Length (ft): 2.6				
Depth (ft)	Elevation (ft)	Sample ID	ASTM D2488 Description	
0.0	-6.1	<i>~ ~ ~ Norwalk Harbor ~ ~ ~</i>		
		SNBC- 6	Organic Soil (OL/OH) – About 100 % fines; wet, black, organic odor	
2.6	-8.7			
Sampling Device: SDI Vibecore Mini		Core Barrel Diameter (in.): 3		Liner: Polyliner
Deployment	1	2	3	
Core Penetration (ft):	2.6	2.6	2.6	
Recovered Core Length (ft):	0.0	1.0	2.5	
Recover Length/Penetration (%)	0.0	0.0	96.0	
Core Length Retained (ft):	0.0	0.0	2.5	

Comments/Photographs:



Photograph 1 - Core SNBC-6: 0.0-2.5' of recovery



Photograph 2 - Core SNBC-6: 2.0-2.5' of recovery

 611 Access Road Stratford, CT 06615 T: 203.377.0663 F: 203.375.6561 racecoastal.com		SEDIMENT CORE LOG		Core ID:
				SNBC- 7
Project: South Norwalk Boat Club		Project No.: 2023017	Date: 10/5/2023	
Client: South Norwalk Boat Club		Location: Norwalk CT	Time: 0940	
ACOE File No.: NAE-2023-00974		Vessel: Whaler	Crew: MM, CK, ZV	
TIDE LEVEL		COORDINATES		
Tide Height (ft): 2.0	Source: Network RTK	Northing: 595201.5	Easting: 818017.9	
Water Depth (ft): 6.7	Datum: MLLW	SPC Zone: CT 0600	Datum: NAD 83	
Corrected Mudline El. (ft): -4.7		Lat: 41.09271	Long: -73.41019	
Project Dredge El. Incl. Overdredge (ft): -8.7		GPS: WAAS	Accuracy (ft): 9.0	
Required Core Length (ft): 4.0				
Depth (ft)	Elevation (ft)	Sample ID	ASTM D2488 Description	
0.0	-4.7	<i>~ ~ ~ Norwalk Harbor ~ ~ ~</i>		
		SNBC- 7	Organic Soil (OL/OH) – About 100 % fines; wet, black, organic odor	
4.0	-8.7			
Sampling Device: SDI Vibecore Mini		Core Barrel Diameter (in.): 3		Liner: Polyliner
Deployment		1	2	3
Core Penetration (ft):		4.0	4.0	4.0
Recovered Core Length (ft):		3.5	2.25	0.0
Recover Length/Penetration (%)		87.0	56.0	0.0
Core Length Retained (ft):		3.5	2.25	0.0

Comments/Photographs:



Photograph 1 - Core SNBC-7: 3.5' of recovery



Photograph 2 - Core SNBC-7: 0.0 - 2.0' of recovery



Photograph 3 - Core SNBC-7: 2.0' - 3.5' of recovery

Appendix B

Bulk Sediment Chemistry Results

South Norwalk Boat Club NAE-2023-00974					WLDS		CLDS		SNBC-1		SNBC-2		SNBC-3		SNBC-4		SNBC-5		SNBC-6		SNBC-7	
Parameter	CAS Number	Units	ERL	ERM	Value	Q	Value	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Physical																						
Total organic carbon	14762744	%			1.0		1.8		2.7		3.1		2.9		3.0		2.9		2.8		2.8	
Metals																						
Arsenic	7440382	mg/kg	8.2	70	4.15		5.86		9.20		6.28		8.49		9.18		8.84		7.74		7.67	
Cadmium	7440439	mg/kg	1.2	9.6	0.10		0.08		1.39		1.25		1.76		1.97		1.85		1.48		1.30	
Chromium	7440473	mg/kg	81	370	32.1		35.7		67.4		64.5		74.1		81.2		83.0		79.4		68.9	
Copper	7440508	mg/kg	34	270	29.7		26.1		205		133		166		197		179		175		157	
Lead	7439921	mg/kg	46.7	218	22.1		24.3		83.5		43.0		63.1		68.3		67.5		59.8		52.5	
Mercury	7439976	mg/kg	0.150	0.710	0.10		0.11		0.47		0.30		0.44		0.57		0.57		0.48		0.48	
Nickel	7440020	mg/kg	20.9	51.6	14.3		20.0		31.5		22.9		25.7		27.0		27.0		26.2		23.7	
Zinc	7440666	mg/kg	150	410	75.8		91.3		328		211		247		271		259		263		245	
PAHs																						
Acenaphthene	83329	ug/kg	16	500	2.3		2.0		1.7	U	1.7	U	1.6	U	1.7	U	1.7	U	1.7	U	1.7	U
Acenaphthylene	208968	ug/kg	44	640	6.0		10		53		42		29		29		33		31		2	U
Anthracene	120127	ug/kg	85.3	1,100	10		10		33		32		21		35		43		23		17	
Fluorene	86737	ug/kg	19	540	2.7	U	3.8		1.7	U	1.7	U	1.6	U	1.7	U	1.7	U	1.7	U	1.7	U
Naphthalene	91203	ug/kg	160	2,100	2.2	U	9.4		1.7	U	1.7	U	1.6	U	1.7	U	1.7	U	1.7	U	1.7	U
Phenanthrene	85018	ug/kg	240	1500	26		41		100		85		44		58		49		40		39	
Total LPAH	SUMLPAH	ug/kg	552	3,160	50		77		191		164		99		127		130		99		63	
Benzo(a)anthracene	56553	ug/kg	261	1,600	50		51		200		180		88		81		99		76		69	
Benzo(a)pyrene	50328	ug/kg	430	1,600	62		81		240		210		120		100		110		98		95	
Benzo(b)fluoranthene	205992	ug/kg			64		74		340		290		160		140		140		130		130	
Benzo(g,h,i)perylene	191242	ug/kg			39		68		160		120		76		66		62		60		68	
Benzo(k)fluoranthene	207089	ug/kg			26		82		100		87		48		40		47		43		37	
Chrysene	218019	ug/kg	384	2,800	60		69		180		150		81		86		100		68		71	
Dibenz(a,h)anthracene	53703	ug/kg	63.4	260	9.5		14		47		37		21		19		18		18		19	
Fluoranthene	206440	ug/kg	600	5,100	71		107		310		320		170		170		210		130		140	
Indeno(1,2,3-cd)pyrene	193395	ug/kg			67		67		210		160		100		88		83		80		85	
Pyrene	129000	ug/kg	665	2,600	67		112		380		330		170		170		200		170		140	
Total HPAH	SUMHPAH	ug/kg	1,700	9,600	514		725		2167		1884		1034		960		1069		873		854	
Pesticides																						
4,4'-DDD	72548	ug/kg	2	20	0.29		0.38		10		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
4,4'-DDE	72559	ug/kg	2.2	27	0.26		0.56		6.7		6.3		7.3		4.9		3.6		5.0		0.33	U
4,4'-DDT	50293	ug/kg	1	7	0.25	U	0.15	U	3.3	J-	4.5	J-	4.0	J-	4.5	J-	3.8	J-	3.4	J-	3.0	J-
Total DDX	SUMDDX	ug/kg	1.58	46.1	0.81		1.1		20		11		12		9.7		7.7		8.7		3.7	
Aldrin	309002	ug/kg			0.23	U	0.07	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Alpha-Chlordane (cis)	5103719	ug/kg			0.17	U	0.07	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.50	U
cis-Nonachlor	5103731	ug/kg							0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Dieldrin	60571	ug/kg	0.02	8	0.18	U	0.15		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Endosulfan I	959988	ug/kg			0.20	U	0.08	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Endosulfan II	33213659	ug/kg			0.28	U	0.47		0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Endrin	72208	ug/kg			0.70	U	0.08	U	0.33	U	0.33	U	0.50	U	0.33	U	0.33	U	0.33	U	0.33	U
Gamma-Chlordane (trans)	5103742	ug/kg			0.19	U	0.06	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Heptachlor	76448	ug/kg			0.24	U	0.12	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Heptachlor epoxide	1024573	ug/kg			0.18	U	0.07	U	0.33	U	0.33	U	0.33	U	0.33	U	0.50	U	0.33	U	0.33	U
Hexachlorobenzene	118741	ug/kg							0.33	UJ	0.33	UJ	0.33	UJ	0.33	UJ	0.33	UJ	0.50	UJ	0.50	UJ
Lindane	58899	ug/kg			0.22	U	0.10	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Methoxychlor	72435	ug/kg			0.41	U	0.28	U	0.33	U	0.33	U	0.33	U	0.33	U	0.50	U	0.33	U	0.33	UJ
Oxychlordane	27304138	ug/kg							0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Toxaphene	8001352	ug/kg			5.7	U	7.3	U	8.5	U	8.5	U	8.5	U	8.0	U	8.5	U	8.5	U	8.5	U
trans-Nonachlor	39765805	ug/kg							0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
Total Chlordane	SUMCHLOR	ug/kg	0.5	6	0.36	U	0.14	U	1.7	U	1.7	U	1.7	U	1.6	U	1.7	U	1.7	U	1.8	U
PCBs																						
PCB 008	34883437	ug/kg			0.29	U	0.09	U	0.50	U	0.33	U	0.33	U	0.50	U	0.34	U	0.33	U	0.33	U
PCB 018	37680652	ug/kg			1.5	U	0.07	U	3.2		0.33	U	0.33	U	4.1		0.34	U	0.33	U	0.33	U
PCB 028	7012375	ug/kg			0.50		0.24		3.2		2.5		2.0		4.1		2.4		0.33	U	0.33	U
PCB 044	41464395	ug/kg			0.12		0.06	U	0.50	U	0.50	U	0.33	U	1.6		0.34	U	0.33	U	0.33	U
(PCB 049)	41464408	ug/kg			0.38		0.06	U	2.4		2.5		0.50	U	2.8		2.1		0.33	U	0.33	U
PCB 052	35693993	ug/kg			0.59		0.09	U	2.1		2.4		0.50	U	2.4		1.8		0.33	U	0.33	U
PCB 066	32598100	ug/kg			0.29		0.48		1.8		2.0		1.4		2.1		1.5		0.50	U	0.33	U
(PCB 087)	38380028	ug/kg			0.12	U	0.06	U	0.34	U	1.7		0.33	U	0.50	U	0.34	U	0.33	U	0.33	U
PCB 101	37680732	ug/kg			0.34	U	0.27		3.0		3.9		1.7		3.7		2.8		0.50	U	0.50	U
PCB 105	32598144	ug/kg			0.65	U	0.08		0.34	U	0.33	U	0.33	U	0.33	U	0.34	U	0.33	U	0.33	U
PCB 118	31508006	ug/kg			0.69		0.32		0.34	U	1.5		1.1		1.4		0.34	U	0.33	U	0.33	U
PCB 128	38380073	ug/kg			0.09	U	0.07		0.34	U	0.33	U	0.33	U	0.33	U	0.34	U	0.33	U	0.33	U
PCB 138	35065282	ug/kg			0.36		0.40		2.1		2.3		1.9		2.30		2.0		0.50	U	0.33	U
PCB 153	35065271	ug/kg			0.71		0.68		1.3		1.6		0.97		1.4		0.50	U	0.33	U	0.33	U
PCB 170	35065306	ug/kg			0.13		0.07	U	0.34	U	0.33	U	0.33	U	0.33	U	0.34	U	0.33	U	0.33	U
PCB 180	35065293	ug/kg			0.19		0.19		0.34	U	0.33	U	0.33	U	0.33	U	0.34	U	0.33	U	0.33	U
(PCB 183)	52663691	ug/kg			0.04	U	0.05	U	0.34	U	0.33	U	0.33	U	0.33	U	0.34	U	0.33	U	0.33	U
(PCB 184)	74472483	ug/kg			0.08	U	0.15	U	0.34	U	0.33	U	0.33	U	0.33	U	0.34	U	0.33	U	0.33	U
PCB 187	52663680	ug/kg			0.28		0.19		0.34	U	0.33	U	0.33	U	0.33	U	0.34	U	0.33	U	0.33	U
PCB 195	52663782	ug/kg			0.04	U	0.06	U	0.34	U	0.33	U	0.33	U	0.33	U	0.34	U	0.33	U	0.33	U
PCB 206	40186729	ug/kg			0.07		0.23		0.34	U	0.33	U	0.33	U	0.							

Appendix C

Elutriate Chemistry Results

South Norwalk Boat Club NAE-2023-00974			CT WQC	Elutriate COMP AVG	Q	Site Water AVG	Q	NSW AVG	Q
Parameter	CAS Number	Units							
Metals									
Arsenic	7440382	ug/L	69	9.37		0.70	J	0.81	J
Cadmium	7440439	ug/L	40	0.60	U	0.60	U	0.60	U
Hexavalent Chromium	18540299	ug/L	1100	1.50	U	1.50	U	1.50	U
Copper	7440508	ug/L	4.8	3.84	U	3.84	U	3.84	U
Lead	7439921	ug/L	210	3.43	U	3.43	U	3.43	U
Mercury	7439976	ug/L	1.8	0.01	U	0.01	U	0.01	U
Nickel	7440020	ug/L	74	5.56	U	5.56	U	5.56	U
Selenium	7782492	ug/L	290	0.07	U	0.07	U	0.07	U
Silver	7440224	ug/L	1.9	1.63	U	1.63	U	1.63	U
Zinc	7440666	ug/L	90	34.10	U	34.10	U	34.1	U
Industrial Chemicals									
Pentachlorophenol	87865	ug/L	13	0.211	U	0.210	U	0.211	U
Pesticides									
4,4'-DDT	50293	ug/L	0.065	0.00008	U	0.00008	U	0.00008	U
Aldrin	309002	ug/L	0.65	0.00016	U	0.00016	U	0.00016	U
Alpha-Chlordane (cis)	5103719	ug/L		0.00008	U	0.00008	U	0.00008	U
Dieldrin	60571	ug/L	0.355	0.00004	U	0.00004	U	0.00004	U
Chlorpyrifos	2921882	ug/L	0.011	0.00008	U	0.00008	U	0.00008	U
Endosulfan I	959988	ug/L	0.017	0.00007	U	0.00007	U	0.00007	U
Endosulfan II	33213659	ug/L	0.017	0.00007	U	0.00007	U	0.00007	U
Endrin	72208	ug/L	0.019	0.00008	U	0.00008	U	0.00008	U
Gamma-Chlordane (trans)	5103742	ug/L		0.00004	U	0.00003	U	0.00003	U
Heptachlor	76448	ug/L	0.027	0.00006	U	0.00006	U	0.00006	U
Heptachlor epoxide	1024573	ug/L	0.027	0.00007	U	0.00006	U	0.00006	U
Lindane	58899	ug/L	0.08	0.00005	U	0.00005	U	0.00005	U
Toxaphene	8001352	ug/L	0.21	0.00249	U	0.00247	U	0.00247	U
Chlordane (alpha + gamma)	SUMCHLOR	ug/L	0.045	0.00011	U	0.00011	U	0.00011	U
PCBs									
PCB 008	34883437	ug/L		0.00007	U	0.00007	U	0.00007	U
PCB 018	37680652	ug/L		0.00086	J	0.00009	U	0.00009	U
PCB 028	7012375	ug/L		0.00070	UJ	0.00009	U	0.00009	U
PCB 044	41464395	ug/L		0.00043	*	0.00006	U	0.00006	U
(PCB 049)	41464408	ug/L		0.00005	U	0.00005	U	0.00005	U
PCB 052	35693993	ug/L		0.00005	U	0.00005	U	0.00009	*
PCB 066	32598100	ug/L		0.00024	*	0.00007	U	0.00007	U
(PCB 087)	38380028	ug/L		0.00009	U	0.00009	U	0.00009	U
PCB 101	37680732	ug/L		0.00051	*	0.00011	U	0.00011	U
PCB 105	32598144	ug/L		0.00008	U	0.00008	U	0.00008	U
PCB 118	31508006	ug/L		0.00050	*	0.00006	U	0.00006	U
PCB 128	38380073	ug/L		0.00008	U	0.00008	U	0.00008	U
PCB 138	35065282	ug/L		0.00053	*	0.00005	U	0.00005	U
PCB 153	35065271	ug/L		0.00070	UJ	0.00004	U	0.00004	U
PCB 170	35065306	ug/L		0.00008	U	0.00008	U	0.00008	U
PCB 180	35065293	ug/L		0.00007	U	0.00007	U	0.00007	U
(PCB 183)	52663691	ug/L		0.00007	U	0.00007	U	0.00007	U
(PCB 184)	74472483	ug/L		0.00007	U	0.00007	U	0.00007	U
PCB 187	52663680	ug/L		0.00005	U	0.00005	U	0.00005	U
PCB 195	52663782	ug/L		0.00004	U	0.00004	U	0.00004	U
PCB 206	40186729	ug/L		0.00009	U	0.00009	U	0.00009	U
PCB 209	2051243	ug/L		0.00004	U	0.00004	U	0.00004	U
Total PCBs	SumNOAA18	ug/L	0.03	0.01019		0.00234	U	0.00240	U

Notes

U: Compound was analyzed for but was not detected (non-detect)

J: Indicates an estimated value

* indicates average includes detects and non-detects

Non-detects are reported as 1/2 the MDL

Half the MDL was used for U-qualified values to calculate summary and average values

Yellow=exceedance of water quality criteria

Total PCBs were calculated using the NOAA 18 method

Total PCB WQC is for chronic exposure as no acute exposure value available

Chlorpyrifus compared to federal critieria as no state criteria available

NSW=natural seawater diluent

SECTION 8

Attachment 27 USACE Permit Consultation Form DEEP-OLISP-APP-101



From: [Veinotte, Christopher L CIV USARMY CENAE \(USA\)](#)
To: [Chris Kane](#)
Date: Thursday, December 5, 2024 10:08:04 AM
Attachments: [consultdredgingpdf.pdf](#)

Hi Chris,

CT DEEP uses a different a different consultation form for dredging projects. I have attached it for your reference. No need to send it to Robert DeSista.

FYSA. USACE no longer provides comments on the CT DEEP consultation forms.

Best,
Chris

Christopher L. Veinotte
Senior Project Manager
U.S. Army Corps of Engineers, New England District
696 Virginia Road
Concord, MA 01742
978-318-8495 (Desk)
978-514-1252 (Mobile)

From: Chris Kane <ckane@racecoastal.com>
Sent: Thursday, November 21, 2024 3:47 PM
To: cenae-r-ct <cenae-r-ct@usace.army.mil>
Subject: [Non-DoD Source] FW: SNBC Dredging

Please use this document as the plans did not attach.

Sorry for confusion

Chris Kane, E.I.T.
Project Engineer/Field Operations Specialist
611 Access Road, Stratford, CT 06615
T: 203.377.0663 | M: 860.912.7221
ckane@racecoastal.com
www.racecoastal.com
[***Join us on LinkedIn***](#)

From: Chris Kane
Sent: Thursday, November 21, 2024 3:38 PM
To: cenae-r-ct <cenae-r-ct@usace.army.mil>
Subject: SNBC Dredging

Good afternoon

On behalf of South Norwalk Boat club, I am reaching out for the completion of the CT DEEP Army Corps Consultation form to be completed by your office. All sediment analysis and suitability determination has been completed and issued with NAE-2023-00974-SD

This is for maintenance dredging of the marina which was previously authorized with CT DEEP license- COP-201301125-SJ

Please see attached and I look forward from hearing from you.

Best,

Chris Kane, E.I.T.
Project Engineer/Field Operations Specialist
611 Access Road, Stratford, CT 06615
T: 203.377.0663 | M: 860.912.7221
ckane@racecoastal.com
www.racecoastal.com
[Join us on LinkedIn](#)

SECTION 9

Attachment 28 Fisheries DEEP Consultation Form DEEP-OLISP-APP-101



DEEP Fisheries Consultation Form

To the Applicant - Prior to the submission of your license application to the Connecticut Department of Energy & Environmental Protection (DEEP) Water Planning and Management Division (WPMD) or Land and Water Resources Division (LWRD), please complete Part I below and e-mail the following to deep.inland.fisheries@ct.gov:

1. this completed DEEP *Fisheries Consultation Form*;
2. a site location map,
3. a PDF version of the proposed project plans including a site survey of existing conditions (if available), and
4. photos of the site.

Fisheries Division staff will contact you if further details are needed. Once the Fisheries Division staff returns the completed form to you, please include the form, and any signed plans (if applicable) in your license application submittal to DEEP.

Part I: Applicant and Site Information (to be completed by APPLICANT)

1. Applicant/Registrant Information

Name: South Norwalk Boat Club

Mailing Address: 17 Mack Street

City/Town: Norwalk

State: CT

Zip Code: 06854

Business Phone: _____

Ext.: _____

Contact Person: _____

Phone: _____

Ext: _____

E-mail Address: _____

2. Engineer/Surveyor/Agent Information (list as applicable)

Name: RACE Coastal Engineering

Mailing Address: 611 Access Road

City/Town: Stratford

State: CT

Zip Code: 06615

Business Phone: 203-377-0663

Ext.: _____

Contact Person: Chris Kane

Phone: _____

Ext: _____

E-mail Address: ckane@racecoastal.com

Service Provided: Engineering

3. Site Location:

Name of Site: South Norwalk Boat Club

Address of Site or Location Description: 17 Mack Street

City/Town: Norwalk

State: CT

Zip Code: 06854

Parcel Location/Tax Assessor's Reference: Map _____

Block _____

Lot 2

Name of Stream or Waterbody: Norwalk Harbor

4. Activity: Check the box best describing your activity: (check all that apply):

☐ new public/fishing access;

☐ new docks and marinas on the Connecticut River;

☒ coastal/tidal dredging projects;

☐ activities in inland/non-tidal waterbodies and watercourses;

☐ withdrawal of water from a non-tidal/inland river, stream, pond or lake;

☐ withdrawal of water from a wetland, marsh, swamp, or bog hydrologically connected to a non-tidal/inland river, stream, pond or lake;

☐ withdrawal of groundwater from stratified drift deposits hydrologically connected to a non-tidal/inland river, stream, pond or lake.

Note: Fisheries consultation is **not required** for docks and marinas on Long Island Sound.

Part I: Applicant and Site Information (to be completed by APPLICANT) (continued)

5. DEEP Pre-application Contact: Indicate name of permit analyst or engineer, if applicable.

6. Project Description: Provide or attach a brief, but thorough, description of the project including any measures to protect, enhance or restore fish populations:

See attachment

Part II: Fisheries Determination (To be completed by DEEP Fisheries Staff only)

To Fisheries Staff - This completed consultation form is required to be submitted as part of an application to DEEP. The application has not yet been submitted to DEEP. Please review the enclosed materials and determine whether the project will significantly impact any fisheries or fisheries habitat. You may provide comments or recommendations regarding the proposal. Send this completed form to the applicant and copy the DEEP analyst, if known, or the applicable WPMD/LWRD Supervisor. If the proposed work **WILL** significantly impact any fisheries and/or habitat or if you have any comments or concerns regarding the regulatory review for this project, contact the DEEP analyst, if known, or the applicable WPMD/LWRD Supervisor.

DEEP FISHERIES DIVISION DETERMINATION

Date Consultation Form received: 11/22/24

Please check applicable boxes and return the completed Consultation Form to the applicant:

- ☐ I have determined that the work described in Part I of this form and attachments **WILL NOT** significantly impact any fisheries and/or habitat;
- ☒ I have determined that the work described in Part I of this form and attachments **WILL NOT** significantly impact any fisheries and/or habitat **if the below Recommendations are followed**; and/or,
- ☐ I have determined that the work described in Part I of this form and attachments **WILL NOT** significantly impact any fisheries and/or habitat **if the design features shown on the attached plans are incorporated**. Fisheries staff to sign and date plans and return to the applicant with the completed Consultation Form.

COMMENTS/RECOMMENDATIONS (or check here if these are attached following this page: ☐):

Consistent with previous recommendations for dredging at this site the Fisheries Division makes the following recommendations:

1) Prohibit dredging from February 1 through May 15 to protect winter flounder early life-stage development.

2) Prohibit dredging from April 1 through June 30 to protect diadromous fish migration.

"By entering my name below, I agree that I am providing my legal signature, and am legally bound by the determination above."

<u>Bruce H Williams</u>	<u>12/03/24</u>
Signature of Fisheries Division Staff	Date
Bruce H Williams	Senior Fisheries Biologist
Print Name of Fisheries Division Staff	Title

Part I: To be completed by Applicant

5. Provide or attach a brief, but thorough description of the project.

South Norwalk Boat Club is a boat club facility located in Norwalk Harbor, in Norwalk, CT. The address of the site is 17 Mack Street, Norwalk, CT. Upland areas of the Club consist primarily of paved drive and parking areas. Structures in the upland include a primary clubhouse, patio, deck, gazebo, travel lift, and other accessory support buildings for these developments. The shoreline of the site is characterized by a steel bulkhead structures which supports the developed upland areas. A floating dock marina is situated between the bulkhead and the east side of the 12-Ft Federal Navigation Channel, located just offshore of the site. The marina supports approximately 300 slips for seasonal and long-term berthing of member boats. Vessel hauling and launching activities are provided by an on-site travel lift well.

Over time, and as a result of natural coastal processes, depths around the SNBC docks have become limited, posing risks to safe vessel navigation in and out of the marina area, during periods of low-water. The proposed dredging activities seek to restore depths in these areas to limit the potential for grounding of boats, and further support the water-dependent activities at the site.

The proposed dredging work is for maintenance dredging of the existing marina area, within previously authorized footprint, and to a previously authorized depth of -2.7' MLLW (-3.0' MLW) and -7.7' MLLW (-8.0' MLW). A 1-foot dredge overdepth allowance is additionally proposed to ensure that the base dredge depths area met as a recognition of the construction tolerances associated with the dredging process. The dredging work is to be conducted over an area of approximately 161,000 square feet. The calculated dredge volumes are summarized in the following table:

SNBC DREDGING SUMMARY	
Base Dredge Volume (-2.7' and -7.7' MLLW)	13,000 CY
1-FT Allowable Overdepth Volume	6,200 CY
Total Volume: Base Dredge + 1-FT Overdepth	19,200 CY
Total Area	161,000 SF

The dredging work is proposed to be conducted by mechanical dredging means. The material is proposed for relocation to either the **Western or Central Long Island Sound Disposal Sites**. It is anticipated that a barge-mounted excavator or crane with clamshell bucket will be deployed to the Site to conduct the work. A bottom-dump scow will be staged adjacent to the barge and filled with dredged material until at capacity, at which point a push boat will transport the scow to the designated open-water site. The scow will then bottom-dump the material and the process will repeat until the area is cleared to depth. The time of year for the work will be contingent upon the moratorium period imposed by the regulatory agencies. It is anticipated that the work will take place anytime between October 1 and January 31 of any given year of the issued permits and will take approximately 1 month to complete pending weather.

As stated above the project will occur in October 1 - January 31st, which will be meant to limit any adverse impacts to fish habitats.

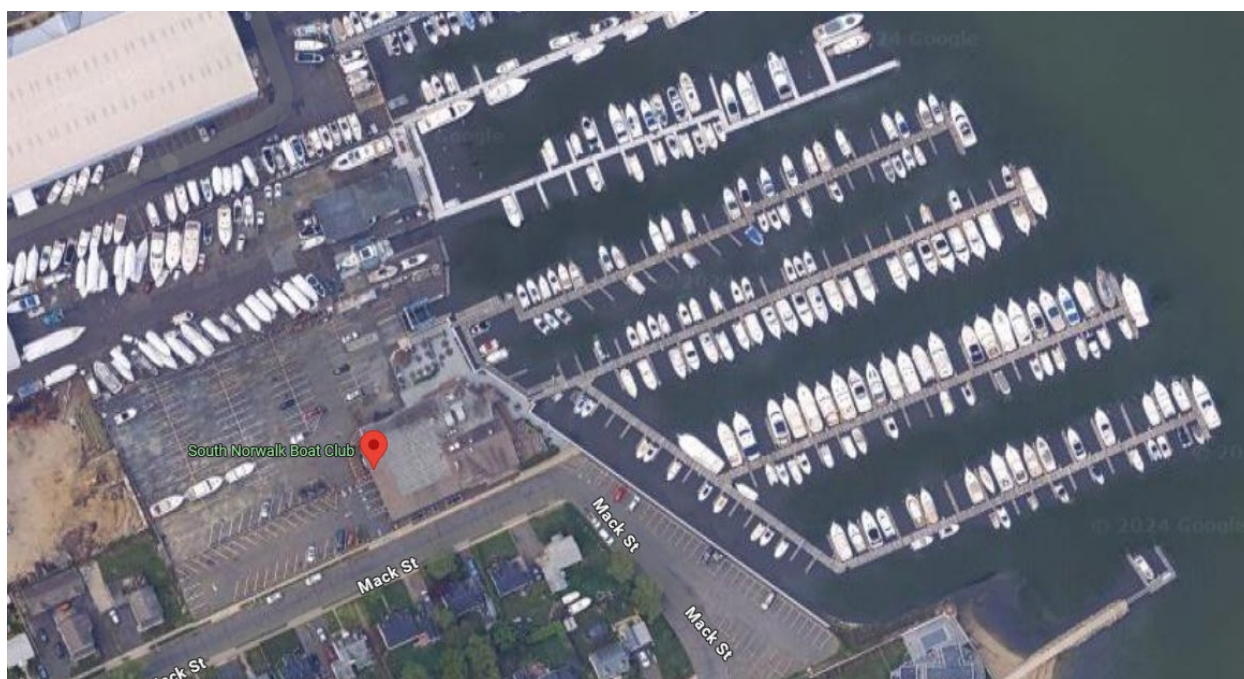


Figure 1: Aerial Image of Site



Figure 2: Marina from the river

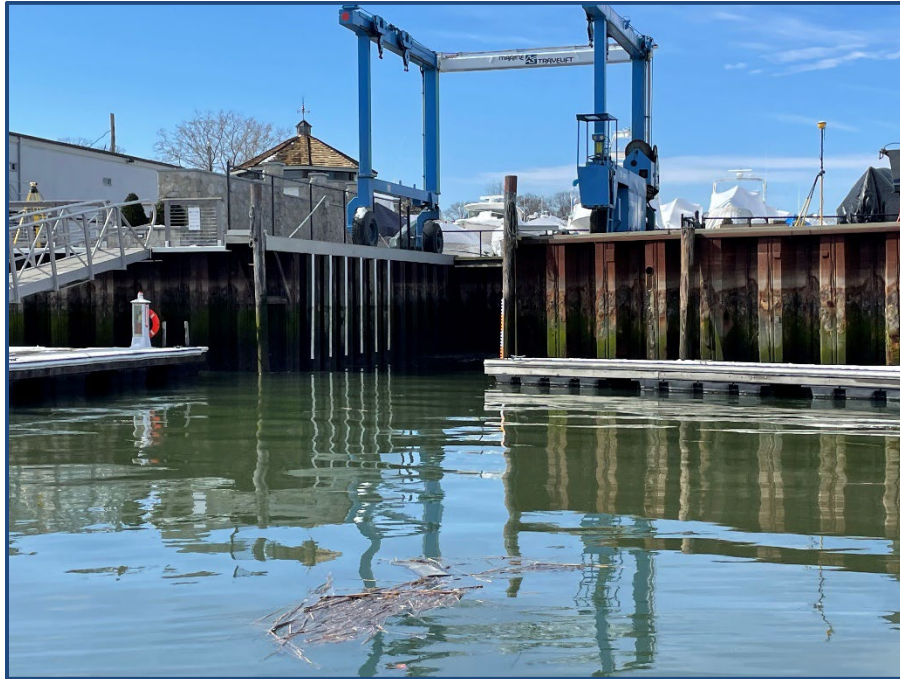


Figure 2: Travel lift well



Figure 4: Photograph of bulkhead in dredge area

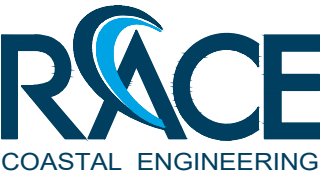
SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING

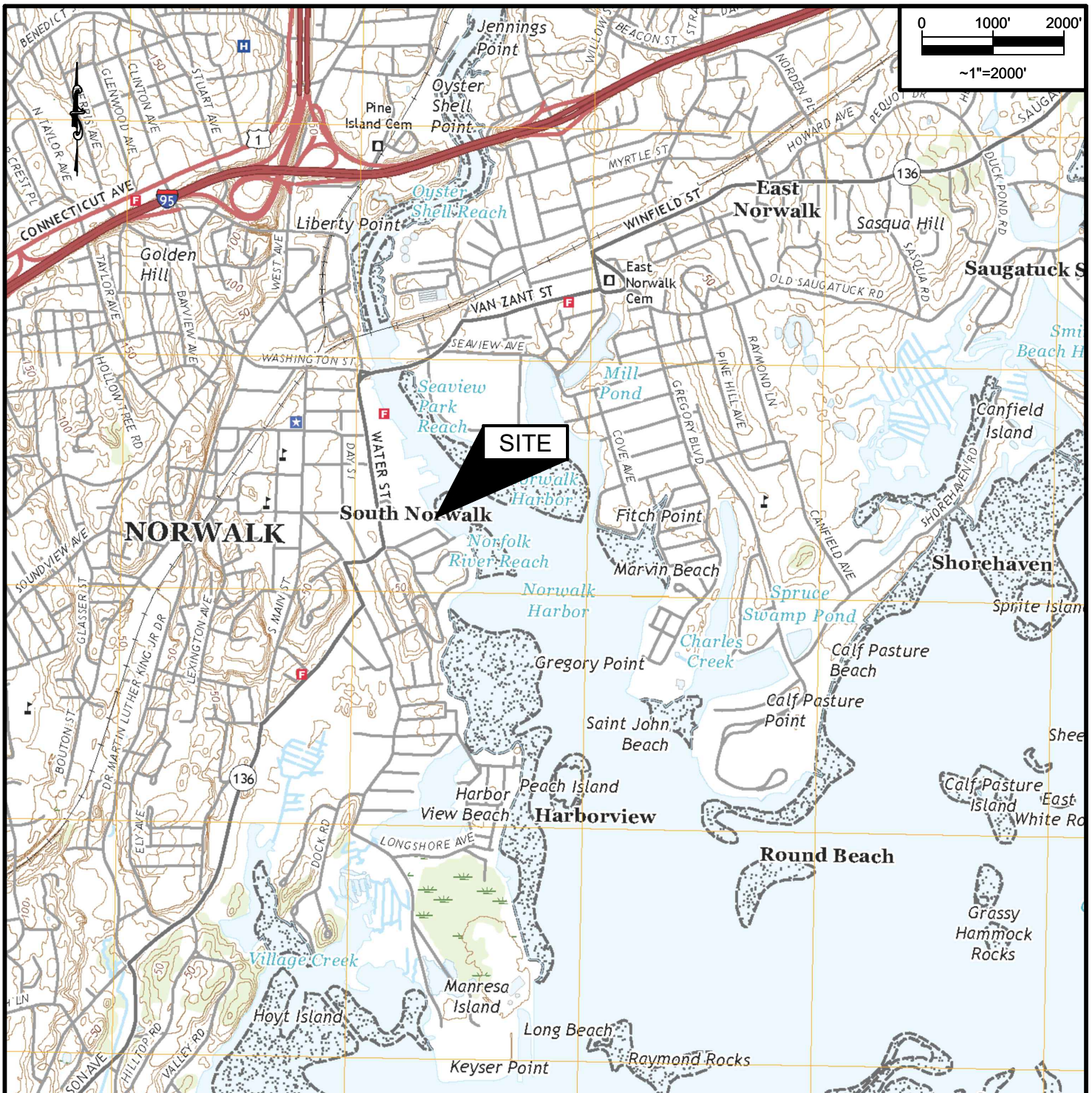
DRAWING LIST	
DWG No.	DRAWING TITLE
1	TITLE SHEET & GENERAL NOTES
2	VICINITY MAP
3	TAX ASSESSOR'S MAP
4	EXISTING SITE PLAN
5	PROPOSED PARTIAL PLAN
6	SECTIONS 1 & 2
7	VOLUMES

GENERAL NOTES

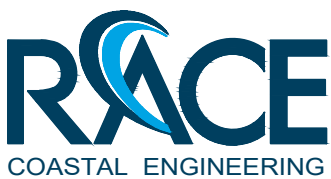
1. THE PURPOSE OF THESE DRAWINGS ARE FOR REGULATORY REVIEW ONLY.
2. VICINITY MAP TAKEN FROM USGS TOPOGRAPHIC MAP STAMFORD QUADRANGLE, CONNECTICUT-NEW YORK, 7.5 MINUTE SERIES, NORWALK, CT 2021.
3. ELEVATIONS REFERENCE MEAN LOWER LOW WATER (MLLW), UNLESS NOTED OTHERWISE.
4. BACKGROUND MAPPING PER DRAWING TITLED, "ZONING MAP OF PROPERTY PREPARED FOR SOUTH NORWALK BOAT CLUB", AND DATED 6/17/14, BY DENNIS A. DEILUS LAND SURVEYORS.
5. HYDROGRAPHIC SURVEY PERFORMED BY RACE COASTAL ENGINEERING, INC. ON 03/1/2023 AND ONLY REPRESENT THE SITE CONDITIONS AT THAT TIME.
6. TIDAL ELEVATION DATA HAS BEEN TAKEN FROM BENCH MARK SHEET FOR SOUTH NORWALK, CT 8468448 FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TIDES AND CURRENTS WEBSITE.

PROJECT TIDAL ELEVATIONS MLLW	
DATUM	ELEVATION (FT)
COASTAL JURISDICTION LINE (CJL)	+9.4
HIGH TIDE LINE (HTL)	+9.4
MEAN HIGH WATER (MHW)	+7.4
NAVD 88	+4.0
NGVD 29	+2.9
MEAN LOW WATER (MLW)	+0.3
MEAN LOWER LOW WATER (MLLW)	0.0

 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For: SOUTH NORWALK BOAT CLUB 17 MACK STREET NORWALK, CT 06854	SEAL: FOR REGULATORY REVIEW ONLY	Date: 11-19-2024	Rev.:
	Project: SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING 17 MACK STREET NORWALK, CT 06854		Drawn By: CBK	Checked By: SCS
			Datum: MLLW	Scale: N/A
			Project No.: 2023017	Drawing No.: 1 of 7
			ALL RIGHTS RESERVED. NOT FOR CONSTRUCTION ©2024 RACE COASTAL ENGINEERING, INC. FOR REGULATORY REVIEW ONLY	



VICINITY MAP



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Tel: 203-377-0663 racecoastal.com

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SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT 06854

Project: **SOUTH NORWALK BOAT CLUB**
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

SEAL:

**FOR
REGULATORY
REVIEW ONLY**

Date:
11-19-2024

Drawn By: **CBK**
Checked By: **SCS**

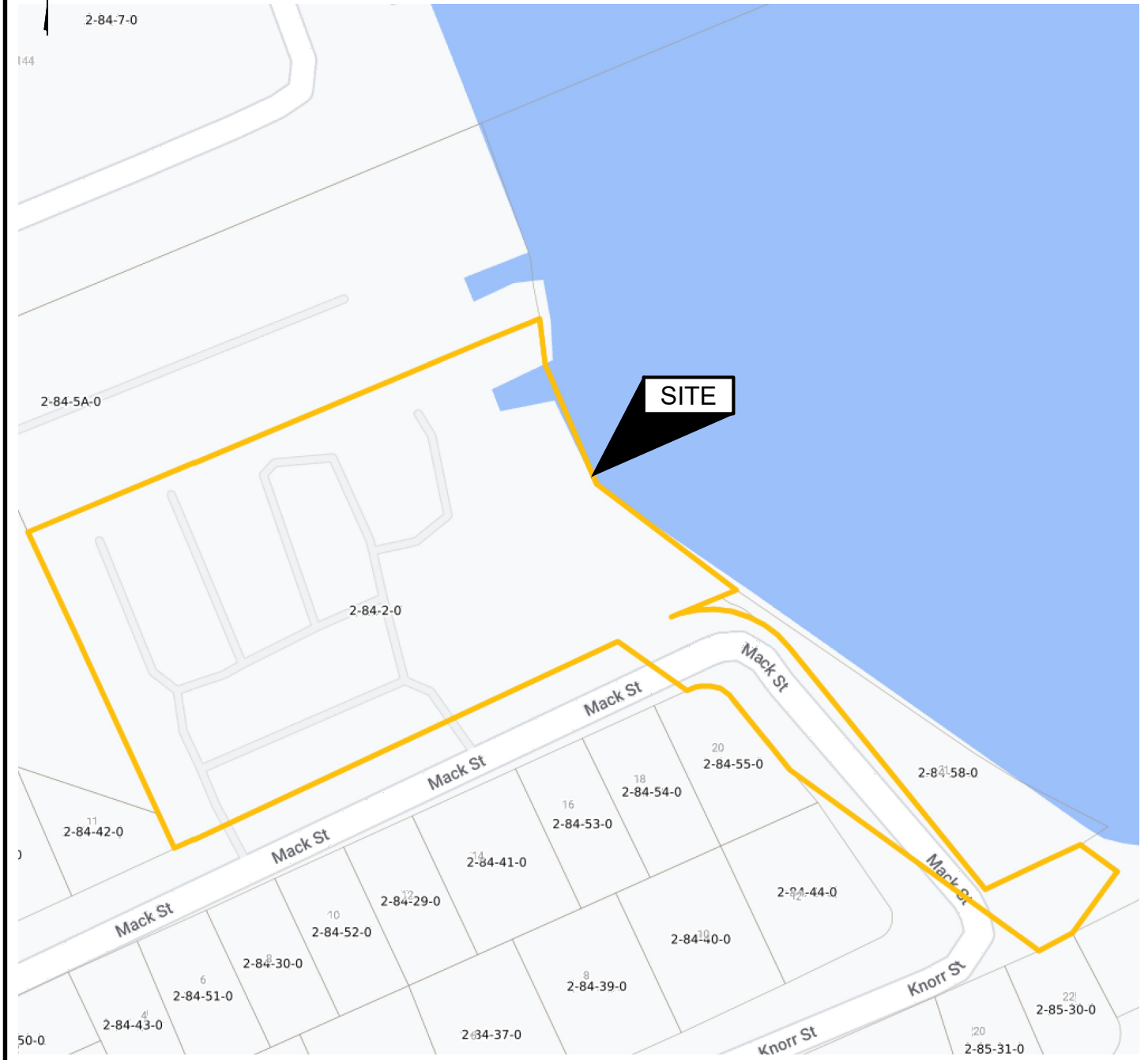
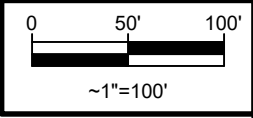
Datum: **MLLW**
Scale: **~1"=2000'**

Project No.: **2023017**
Drawing No.: **2** of 7

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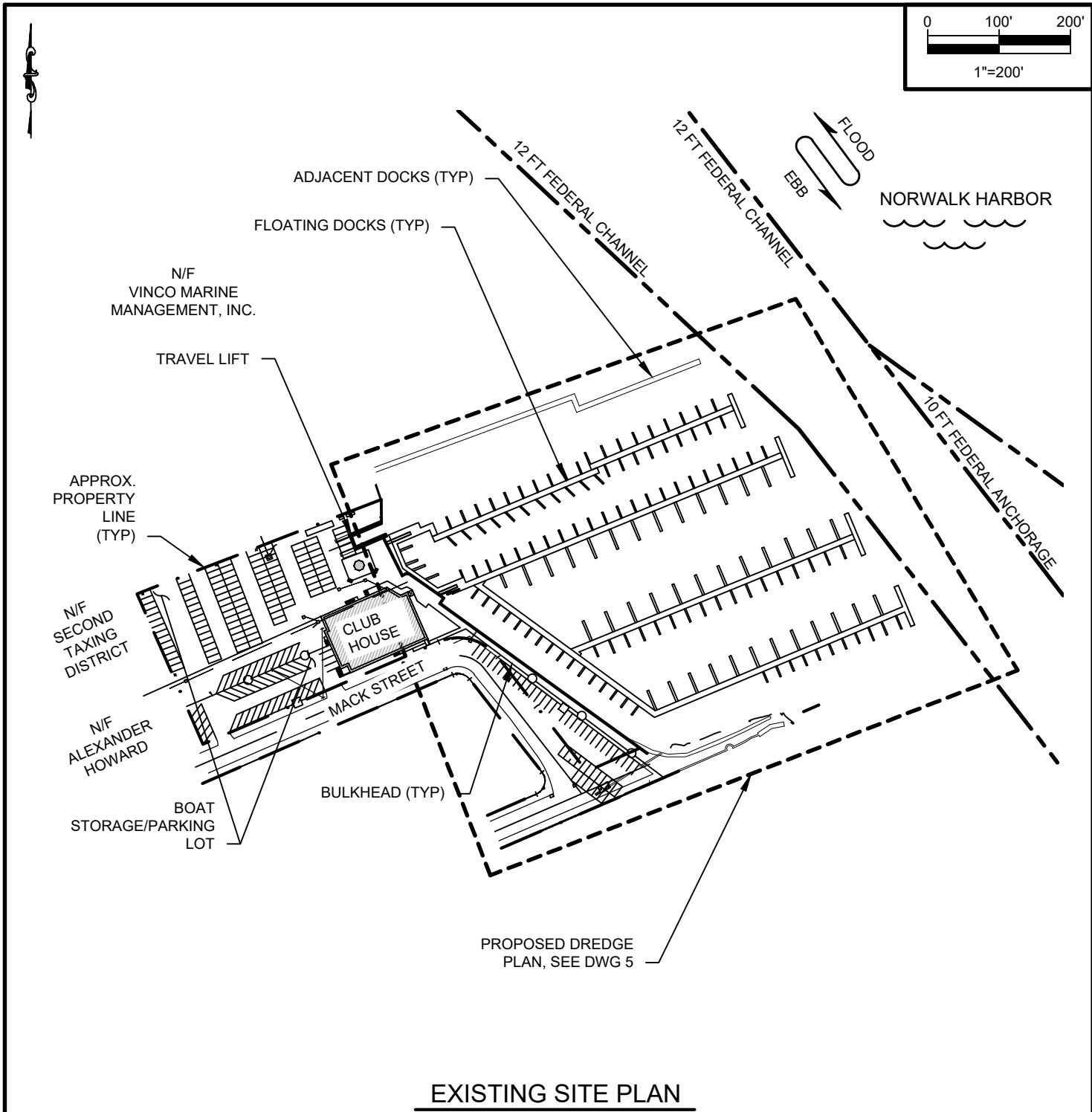
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TAX ASSESSOR'S MAP

 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For:	SOUTH NORWALK BOAT CLUB 17 MACK STREET NORWALK, CT 06854	SEAL:	Date:	11-19-2024	Rev.:	
	Project:	SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING 17 MACK STREET NORWALK, CT 06854	FOR REGULATORY REVIEW ONLY	Drawn By:	CBK	Checked By:	SCS
	Datum:	MLLW		Scale:	~1"=100'		
	Project No.:	2023017		Drawing No.:	3 of 7		
	ALL RIGHTS RESERVED. ©2024 RACE COASTAL ENGINEERING, INC.			NOT FOR CONSTRUCTION FOR REGULATORY REVIEW ONLY		NOT VALID WITHOUT ENGINEER'S SEAL	

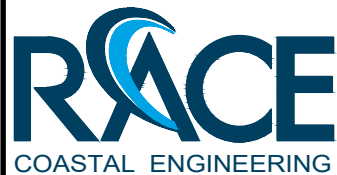
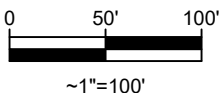


 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For:		SEAL:	Date:	Rev.:
	SOUTH NORWALK BOAT CLUB 17 MACK STREET NORWALK, CT 06854		FOR REGULATORY REVIEW ONLY	11-19-2024	
	Project:			Drawn By:	Checked By:
	SOUTH NORWALK BOAT CLUB MAINTENANCE DREDGING 17 MACK STREET NORWALK, CT 06854			CBK	SCS
				Datum:	Scale:
		MLLW		1"=200'	
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		NOT VALID WITHOUT ENGINEER'S SEAL		2023017	4 of 7



DREDGE PLAN

- 8.0' MLW (-7.7 MLLW) DREDGE AREA
- 1V:3H DREDGE SIDE SLOPE AREA
- 3.0' MLW (-2.7 MLLW) DREDGE AREA



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Tel: 203-377-0663 racecoastal.com

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SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT 06854

Project: **SOUTH NORWALK BOAT CLUB**
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

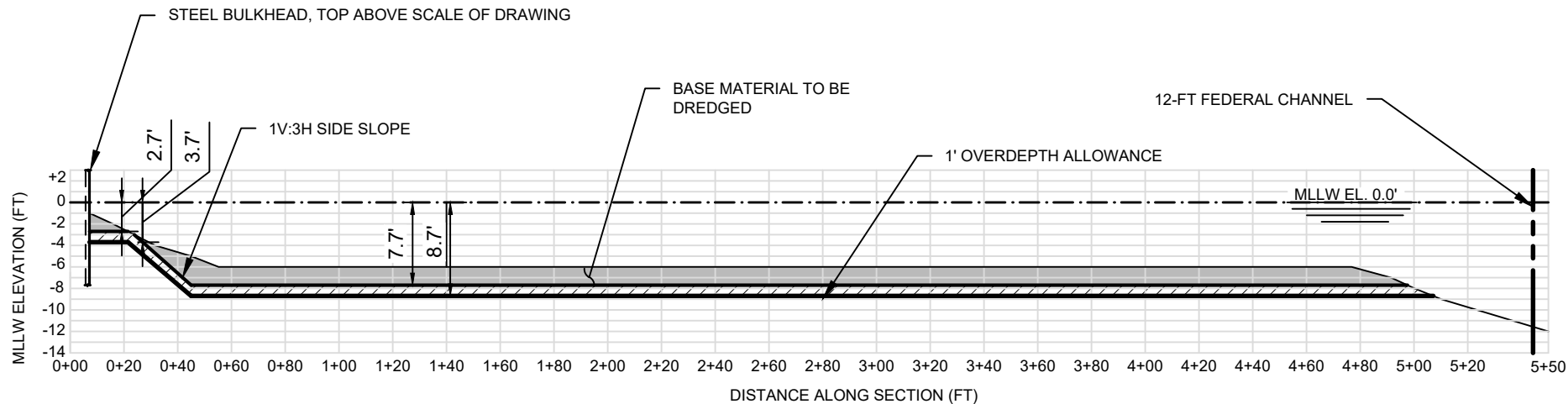
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FOR REGULATORY REVIEW ONLY

SEAL:

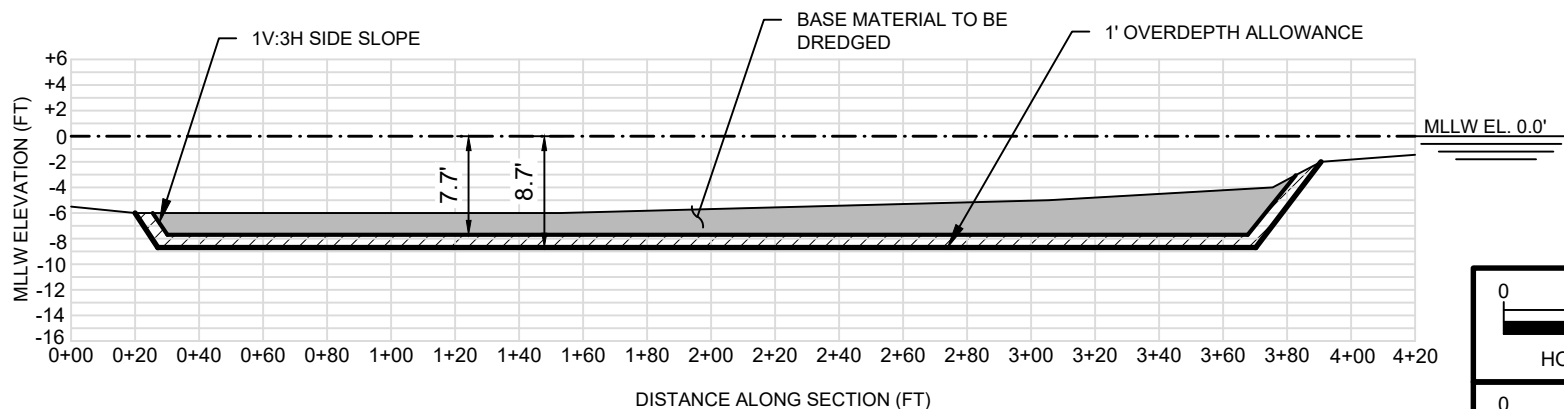
FOR
REGULATORY
REVIEW ONLY

NOT VALID WITHOUT ENGINEER'S SEAL

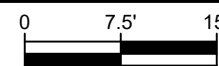
Date:	Rev.:
11-19-2024	
Drawn By:	Checked By:
CBK	SCS
Datum:	Scale:
MLLW	1"=100'
Project No.:	Drawing No.:
2023017	5 of 7



SECTION 1



SECTION 2



NOTE(S):

1. CJL, HTL, MHW BEYOND SCALE OF DRAWING.
2. DOCKS NOT SHOWN FOR CLARITY.



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Prepared For:
SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT 06854

Project: SOUTH NORWALK BOAT CLUB
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

SEAL:

FOR
REGULATORY
REVIEW ONLY

Date:
11-19-2024

Drawn By:
CBK

Datum:
MLLW

Project No.:
2023017

Rev.:

Checked By:
SCS

Scale:
AS NOTED

Drawing No.:
6 of 7

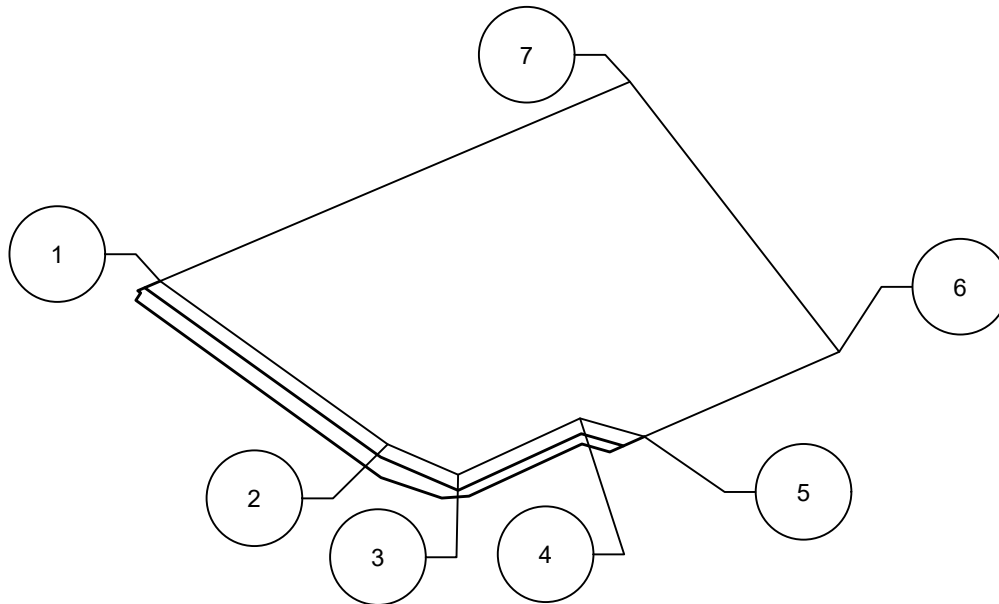
NOT FOR CONSTRUCTION
FOR REGULATORY REVIEW ONLY

NOT VALID WITHOUT ENGINEER'S SEAL

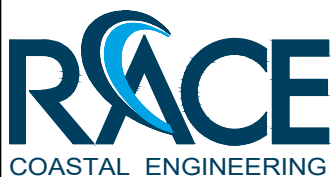
DREDGE VOLUME SUMMARY (CY)	
BASE DREDGE VOLUME	13,000
1' OVERDEPTH VOLUME	6,200
TOTAL DREDGE VOLUME	19,200
TOTAL AREA	161,000 SF

DREDGE VOLUMES

DREDGE COORDINATES (NAD83) CT 0600		
POINT	NORTHING	EASTING
1	595332.76	817480.00
2	595162.73	817717.00
3	595131.28	817790.98
4	595189.75	817917.95
5	595170.72	817985.01
6	595259.29	818187.99
7	595540.56	817966.96



DREDGE COORDINATE PLAN



611 Access Road Stratford, CT 06615
Tel: 203-377-0663 racecoastal.com

Prepared For:
SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT 06854

Project: SOUTH NORWALK BOAT CLUB
MAINTENANCE DREDGING
17 MACK STREET
NORWALK, CT 06854

SEAL:

FOR
REGULATORY
REVIEW ONLY

Date:
11-19-2024

Drawn By: CBK
Checked By: SCS

Datum: MLLW
Scale: N/A

Project No.: 2023017
Drawing No.: 7 of 7

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SECTION 10

Attachment 41 Applicant Compliance Information Form DEEP-APP-002





**Connecticut Department of
Energy & Environmental Protection**

Applicant Compliance Information

DEEP ONLY

App. No. _____

Co./Ind. No. _____

Applicant Name: South Norwalk Boat and Yacht Club

Mailing Address: **17 Mack Street**

City/Town: **Norwalk**

State: **CT**

Zip Code: **06845**

Business Phone: _____

ext.: _____

Contact Person: **Glenn Perschino**

Phone: _____

ext. _____

*E-mail: **gperschino@gmail.com**

If you answer **yes** to any of the questions below, you must complete the Table of Enforcement Actions on the reverse side of this sheet as directed in the instructions for your permit application.

- A. During the five years immediately preceding submission of this application, has the applicant been convicted in any jurisdiction of a criminal violation of any environmental law?

☐ Yes ☒ No

- B. During the five years immediately preceding submission of this application, has a civil penalty been imposed upon the applicant in any state, including Connecticut, or federal judicial proceeding for any violation of an environmental law?

☐ Yes ☒ No

- C. During the five years immediately preceding submission of this application, has a civil penalty exceeding five thousand dollars been imposed on the applicant in any state, including Connecticut, or federal administrative proceeding for any violation of an environmental law?

☐ Yes ☒ No

- D. During the five years immediately preceding submission of this application, has any state, including Connecticut, or federal court issued any order or entered any judgement to the applicant concerning a violation of any environmental law?

☐ Yes ☒ No

- E. During the five years immediately preceding submission of this application, has any state, including Connecticut, or federal administrative agency issued any order to the applicant concerning a violation of any environmental law?

☐ Yes ☒ No

Table of Enforcement Actions

(1) Type of Action	(2a) Date Commenced	(2b) Date Terminated	(3) Jurisdiction	(4) Case/Docket/ Order No.	(5) Description of Violation

☐ Check the box if additional sheets are attached. Copies of this form may be duplicated for additional space.

SECTION 11

Attachment 42 Applicant Background Information Form DEEP-APP-008





Connecticut Department of
Energy & Environmental Protection

Applicant Background Information

Check the box by the entity which best describes the applicant and complete the requested information. **You must choose one of the following:** corporation, limited liability company, limited partnership, general partnership, voluntary association and individual or business type. Be sure to include the signatory authority or authorized representative certifying the application.



Corporation



Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. Parent Corporation

Name: **South Norwalk Boat Club, INC.**

Mailing Address: 17 Mack Street

City/Town: Norwalk, CT

State: CT

Zip Code: 06854

Business Phone:

ext.:

Contact Person: Glenn Perschino

Phone:

ext.

E-mail: gperschino@gmail.com

2. Subsidiary Corporation:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

3. Directors:

Name: **Clyde Mount (Commodore) & John J Bove (Agent)**

Mailing Address: 17 Mack Street

City/Town: Norwalk

State: CT

Zip Code: 06854

Business Phone:

ext.:

E-mail:

4. Officers:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Applicant Background Information (continued)

☐ **Limited Liability Company**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. List each member.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

2. List any manager(s) who, through the articles of organization, are vested the management of the business, property and affairs of the limited liability company.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Applicant Background Information (continued)

☐ **Limited Partnership**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. General Partners:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

2. Limited Partners:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Applicant Background Information (continued)

☐ **General Partnership**

☐ Check the box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. General Partners:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

Contact Person:

Phone:

ext.

E-mail:

Applicant Background Information (continued)

☐ **Voluntary Association**

☐ Check box if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. List authorized persons of association or list all members of association.

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

☐ **Individual or Other Business Type**

☐ Check the box, if additional sheets are necessary. If so, label and attach additional sheet(s) to this sheet with the required information.

1. Name:

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.:

E-mail:

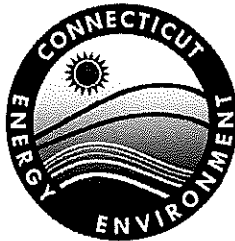
2. State other names by which the applicant is known, including business names.

Name:

SECTION 12

Attachment 43 NORWALK SHELLFISH PREAPP-NOT NEEDED FOR SUBMISSION CT DEEP Permit #201301125-SJ





Connecticut Department of
Energy & Environmental Protection
Bureau of Water Protection & Land Reuse
Land & Water Resources Division

LWRD License Application Pre-Submission Consultation Form Shellfish Commission

You need to complete and submit this form only if your town has a Shellfish Commission.

To the applicant - Prior to the submission of your license application to the Connecticut Department of Energy and Environmental Protection (DEEP) Land & Water Resources Division (LWRD), please complete Part I, below, and submit this form to your local shellfish commission (contact the town for the appropriate contact person) with a location map of your site and project plans. Once the commission returns the completed form to you, please submit it along with your license application to DEEP.

Part I: *To be completed by APPLICANT*

1. Applicant/Registrant Information

Name: South Norwalk Boat Club

Mailing Address: 17 Mack Street

City/Town: Norwalk

State: CT

Zip Code: 06854

Business Phone: _____

Ext.: _____

Contact Person: _____

Title: hairman

Business Phone: _____

Ext.: _____

E-mail: _____

2. Engineer/Surveyor/Agent Information (list as applicable)

Name: RACE Coastal Engineering INC.

Title: _____

Mailing Address: 611 Access Road

City/Town: Stratford

State: CT

Zip Code: 06615

Business Phone: _____

Ext.: _____

Contact Person: Chris Kane

Title: Project Engineer

Business Phone: _____

Ext.: _____

E-mail: ckane@racecoastal.com

Service Provided: Permitting & Design

3. Site Location:

Name of Site : South Norwalk Boat club

Street Address: 17 Mack Street

City/Town: Norwalk

State: CT

Zip Code: 06854

Tax Assessor's Reference: Map _____

Block _____

Lot _____

Name of Waterbody: Norwalk Harbor-Long Island Sound

4. ☒ Confirm location map and site plans are attached.

Date of plans: 11/20/2024_____

NSC for SNBC Dredging

Part II: To be completed by SHELLFISH COMMISSION

This consultation form is required to be submitted as part of an application for a Structures, Dredging & Fill license (Connecticut General Statutes (CGS) Section 22a-361) and/or Tidal Wetlands license (CGS Section 22a-32) to DEEP LWRD. The application has not yet been submitted to DEEP. Please review the enclosed materials and determine whether the project will significantly impact shellfish beds. You may also provide comments or recommendations regarding the proposal. Should you have any questions regarding this process, please call DEEP LWRD at 860-424-3019. **Please return the completed form to the applicant within 60 days of receipt or no adverse impact will be assumed.**

SHELLFISH COMMISSION DETERMINATION:

Project located on (check one): ☒ natural bed ☐ state bed ☐ local bed ☐ none
☐ other, please specify: _____

If project is located upon a franchised or leased shellfish bed, please provide the owner or lessee's contact information below.

Check one of the following:

- ☐ I have determined that the work described in Part I of this form and attachments **WILL NOT** adversely impact a shellfish area.
- ☒ I have determined that the work described in Part I of this form and attachments **WILL** adversely impact a shellfish area. A summary of the Shellfish Commission's project-specific concerns/comments is described below or attached.

COMMENTS/RECOMMENDATIONS (check the box if attached: ☐):

- We have determined that the work described will adversely impact a shellfish area. However, this is a summary of our recommendations to mitigate damage to this natural shellfish bed as this local Tract area is indicated on that certain map entitled the "Map of the Natural Oyster, Clam and Mussel Beds in the Town of Norwalk, Connecticut, December 1882, G.S. Aiken, C.E." Said designation of the natural oyster, clam and mussel beds was confirmed by a decree of the Superior Court for Fairfield County, dated December 12, 1882.
- No objection or disqualification noted to move forward to full application. Commission reserves the right to comment on full application.
- Any construction boats or barges potentially aground at low water must be removed for low tide to a mooring. Mooring location and technical specifications to be approved by the Norwalk Harbormaster.
- No other benthic changes applied for nor reviewed.
- Recommended dredging time window for permit December 1st to February 1st.
- Requested sediment testing data for our records.
- Use of best practices for sediment plume control and containment including incoming and/or slack tide work.
- The NSC may conduct site work inspections to review compliance.


Signature of Commission Representative

16-Dec-24
Date

Steven Bortosh
Print Name of Commission Representative

Chair, Norwalk Shellfish Commission.
Title



April 11, 2013

South Norwalk Boat Club
Craig MacDow
17 Mack Street
Norwalk, CT 06854-3749

Subject: Certificate of Permission #201301125-SJ
17 Mack Street, Norwalk

Dear Mr. MacDow:

Enclosed please find a copy of the certificate of permission ("certificate") which is being issued pursuant to your application of February 28, 2013. Your attention is directed to the conditions of the enclosed certificate. All work must conform to that which is specifically authorized by this certificate. Any work in tidal wetlands or waterward of the coastal jurisdiction line in tidal, navigable and coastal waters of the State which has not been authorized by a valid permit or certificate is a violation of state law and subject to enforcement action by the Department of Energy and Environmental Protection and the Office of the Attorney General.

Your initiation of authorized activities will be relied upon as your agreement to comply with the terms and conditions of the certificate. Please note that Appendix B of the certificate has been enclosed for your convenience to comply with Connecticut General Statutes Section 22a-363g. Also, the Permit Notice, found at the back of your authorization, must be posted at the work area while the work is being undertaken. Please refer to the SPECIAL TERMS AND CONDITIONS of your certificate for further details.

If you have not already done so, you should contact your local Planning and Zoning Office to determine local permit requirements for your project. Also, your activity may be eligible for General Permit authorization from the U.S. Army Corps of Engineers ("Corps"). Most maintenance and reconstruction activities require no further authorization from the Corps. Other activities, generally involving work in tidal wetlands or other special aquatic sites, and in or near a federal Navigation Project or involving filling, must receive written authorization from the Corps prior to beginning work. The State of Connecticut will automatically forward this certificate to the Corps for its determination of General Permit eligibility. You do not need to apply directly to the Corps unless they notify you. For more information regarding this federal process, you may write to the Corps New England Division, Regulatory Branch, 696 Virginia Road,

Concord, Massachusetts, 02254 or call 978-318-8335 or 800-343-4789.

Sincerely,



Susan Jacobson, Environmental Analyst
Office of Long Island Sound Programs
Bureau of Water Protection and Land Reuse

Enclosure – COP #201301125-SJ (original cover letter, Appendix B and Permit Notice;
COP copy)

cc: File #201301125-SJ (original COP; copy cover letter, Appendix B, Permit Notice)
via e-mail: Devin Santa, RACE
Municipal CEO
Corps
Harbor Master



CERTIFICATE OF PERMISSION

Certificate No: 201301125-SJ

Municipality: Norwalk

Site of Activity: Long Island Sound off property located at 17 Mack Street

Certificate Holder: South Norwalk Boat Club
17 Mack Street
Norwalk, CT 06854-3749

Pursuant to section 22a-363b of the Connecticut General Statutes (“CGS”) and in accordance with section 401 of the Federal Clean Water Act, as amended, CGS sections 22a-359 to 22a-363g, 22a-98, and the Connecticut Water Quality Standards effective February 25, 2011, a certificate of permission (“certificate”) is hereby granted to conduct maintenance dredging for marine commercial use as is more specifically described below in the SCOPE OF AUTHORIZATION. The work performed shall conform to the terms and conditions of this certificate.

*******NOTICE TO CERTIFICATE HOLDERS AND CONTRACTORS*******

UPON INITIATION OF ANY WORK AUTHORIZED HEREIN, THE CERTIFICATE HOLDER ACCEPTS AND AGREES TO COMPLY WITH ALL TERMS AND CONDITIONS OF THIS CERTIFICATE. FAILURE TO CONFORM TO THE TERMS AND CONDITIONS OF THIS CERTIFICATE MAY SUBJECT THE CERTIFICATE HOLDER AND ANY CONTRACTOR TO ENFORCEMENT ACTIONS, INCLUDING INJUNCTIONS AS PROVIDED BY LAW AND PENALTIES UP TO \$1,000.00 PER DAY PURSUANT TO THE ADMINISTRATIVE CIVIL PENALTY POLICY DESCRIBED IN SECTIONS 22a-6b-1 THROUGH 22a-6b-15 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES.

SCOPE OF AUTHORIZATION

The Certificate Holder is hereby authorized to conduct the following work as described in application number 201301125-SJ, including five sheets of plans dated February 5, 2013, submitted by the Certificate Holder to the Commissioner of Energy and Environmental Protection (“Commissioner”) and attached hereto:

1. conduct maintenance dredging, by mechanical means, of approximately 19,200 cubic yards over an approximately 172,600 square foot area to achieve depths from -3.0’ to -8.0’ MLW plus no more than 1.0’ of overdredge, and

2. dispose of the sediment at the Western Long Island Sound Disposal Site.

SPECIAL TERMS AND CONDITIONS

1. Unconfined in-water excavation, dredging, filling or removal of debris or other material is prohibited between February 1st and September 30th, inclusive, of any year unless otherwise authorized in writing by the Commissioner. The specific closure dates are as follows: February 1st through May 15th in order to protect winter flounder early life-stage development; April 1st through June 30th in order to protect anadromous fish migration; and June 1st through September 30th in order to protect spawning shellfish.
2. Not later than two (2) weeks prior to the commencement of any work authorized herein, the Certificate Holder shall submit to the Commissioner, on the form attached hereto as Appendix A, the name(s) and address(es) of all contractor(s) employed to conduct such work and the expected date for commencement and completion of such work, if any.
3. The Certificate Holder shall file Appendix B on the land records of the municipality in which the subject property is located not later than thirty (30) days after certificate issuance pursuant to CGS Section 22a-363g. A copy of Appendix B with a stamp or other such proof of filing with the municipality shall be submitted to the Commissioner no later than sixty (60) days after certificate issuance.
4. The Certificate Holder shall give a copy of this certificate to the contractor(s) who will be carrying out the activities authorized herein prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Certificate Holder's contractor(s) shall conduct all operations at the site in full compliance with this certificate and, to the extent provided by law, may be held liable for any violation of the terms and conditions of this certificate. At the work area the contractor(s) shall, whenever work is being performed, make available for inspection a copy of this certificate and the final plans for the work authorized herein.
5. The Certificate Holder shall post the attached Permit Notice in a conspicuous place at the work area while the work authorized herein is undertaken.
6. Except as specifically authorized by this certificate, no equipment or material including, but not limited to, fill, construction materials, excavated material or debris, shall be deposited, placed or stored in any wetland or watercourse on or off-site, nor shall any wetland or watercourse be used as a staging area or accessway other than as provided herein.
7. The Certificate Holder shall dispose of aquatic sediments in accordance with the terms and conditions of this certificate.
8. On or before ninety (90) days after completion of the work authorized herein, the Certificate Holder shall submit to the Commissioner an "as-dredged" survey of the work area showing contours, bathymetries, and tidal datums. Such survey shall be the original one and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut.

9. Dragging the bottom with a spoil barge, scow, vessel, beam or similar equipment outside of the area authorized by this certificate to be dredged or excavated is prohibited.
10. Sidecasting or in-water rehandling of dredged or excavated material is prohibited.
11. Spoil scows or barges shall be loaded and navigated in a manner which prevents uncontrollable motion or spillage and washout of dredged or excavated materials.
12. Sediment dredged pursuant to this authorization shall not be sold nor shall any fee for its use be charged without the express prior written authorization of the Commissioner and payment of a \$4.00 per yard royalty to the state of Connecticut Department of Energy and Environmental Protection, pursuant to CGS section 22a-361(e).
13. The Certificate Holder shall dispose of dredged or excavated material in accordance with the requirements of the United States Army Corps of Engineers-New England District, except that if the disposal site location is modified from the site authorized herein, the Certificate Holder shall submit a request for modification of the location to the Commissioner and shall not dispose of the material until such location modification has been approved by the Commissioner in writing.

GENERAL TERMS AND CONDITIONS

1. All work authorized by this certificate shall be completed within three (3) years from date of issuance of this certificate ("work completion date") in accordance with all conditions of this permit and any other applicable law.
 - a. The Certificate Holder may request a one-year extension of the work completion date. Such request shall be in writing and shall be submitted to the Commissioner at least thirty (30) days prior to said work completion date. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. It shall be the Commissioner's sole discretion to grant or deny such request.
 - b. Any work authorized herein conducted after said work completion date or any authorized one-year extension thereof is a violation of this certificate and may subject the Certificate Holder to enforcement action, including penalties, as provided by law.
2. In conducting the work authorized herein, the Certificate Holder shall not deviate from the attached plans, as may be modified by this certificate. The Certificate Holder shall not make de minimis changes from said plans without prior written approval of the Commissioner.
3. The Certificate Holder may not conduct work waterward of the coastal jurisdiction line or in tidal wetlands at this certificate site other than the work authorized herein, unless otherwise authorized by the Commissioner pursuant to CGS section 22a-359 et. seq. and/or CGS section 22a-28 et. seq.
4. The Certificate Holder shall maintain all structures or other work authorized herein in good condition. Any such maintenance shall be conducted in accordance with applicable law

including, but not limited to, CGS sections 22a-28 through 22a-35 and CGS sections 22a-359 through 22a-363g.

5. In undertaking the work authorized hereunder, the Certificate Holder shall not cause or allow pollution of wetlands or watercourses, including pollution resulting from sedimentation and erosion. For purposes of this certificate, "pollution" means "pollution" as that term is defined by CGS section 22a-423.
6. Upon completion of any work authorized herein, the Certificate Holder shall restore all areas impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.
7.
 - a. The work specified in the SCOPE OF AUTHORIZATION is authorized solely for the purpose set forth in this certificate. No change in purpose or use of the authorized work or facilities as set forth in this certificate may occur without the prior written authorization of the Commissioner. The Certificate Holder shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this certificate, request authorization from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
 - b. A change in the form of ownership of any structure authorized herein from a rental/lease commercial marina to a wholly-owned common interest community or dockominium may constitute a change in purpose as specified in paragraph (a) above.
8. The Certificate Holder shall allow any representative of the Commissioner to inspect the work authorized hereunder at reasonable times to ensure that it is being or has been accomplished in accordance with the terms and conditions of this certificate.
9. This certificate is not transferable without prior written authorization of the Commissioner. A request to transfer a certificate shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Certificate Holder's obligations under this certificate shall not be affected by the passage of title to the certificate site to any other person or municipality until such time as a transfer is authorized by the Commissioner.
10. Any document required to be submitted to the Commissioner under this certificate or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

Permit Section
Office of Long Island Sound Programs
Department of Energy and Environmental Protection
79 Elm Street
Hartford, Connecticut 06106-5127
(860) 424-3034
Fax # (860) 424-4054
11. The date of submission to the Commissioner of any document required by this certificate shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under this certificate, including but not limited to notice of approval or

disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this certificate, the word "day" as used in this certificate means calendar day. Any document or action which is required by this certificate to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.

12. Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under this certificate shall be signed by Certificate Holder and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense."
13. In evaluating the application for this certificate the Commissioner has relied on information and data provided by the Certificate Holder and on the Certificate Holder's representations concerning site conditions, design specifications and the proposed work authorized herein, including but not limited to representations concerning the commercial, public or private nature of the work or structures authorized herein, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, this certificate may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
14. In granting this certificate, the Commissioner has relied on all representations of the Certificate Holder, including information and data provided in support of the Certificate Holder's application. Neither the Certificate Holder's representations nor the issuance of this certificate shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
15. In the event that the Certificate Holder becomes aware that he did not or may not comply, or did not or may not comply on time, with any provision of this certificate or of any document required hereunder, the Certificate Holder shall immediately notify the Commissioner and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the Commissioner, the Certificate Holder shall state in writing the reasons for the noncompliance or delay and propose, for the review and written approval of the Commissioner, dates by which compliance will be achieved, and the Certificate Holder shall comply with any dates which may be approved in writing by the Commissioner. Notification by the Certificate Holder shall not excuse noncompliance or delay and the Commissioner's approval of any compliance dates proposed shall not excuse noncompliance or delay unless specifically stated by the Commissioner in writing.

16. This certificate may be revoked, suspended, or modified in accordance with applicable law.
17. The issuance of this certificate does not relieve the Certificate Holder of his obligations to obtain any other approvals required by applicable federal, state and local law.
18. This certificate is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.

Issued on April 11, 2013.

STATE OF CONNECTICUT
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION



Brian P. Thompson, Director
Office of Long Island Sound Programs
Bureau of Water Protection and Land Reuse

Certificate of Permission No. 201301125-SJ
South Norwalk Boat Club

SOUTH NORWALK BOAT CLUB PERMIT DRAWINGS

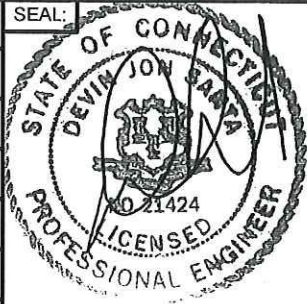
DRAWING LIST			
DRAWING No.	DRAWING TITLE	DATE	REV
1	TITLE SHEET & GENERAL NOTES	02/05/2013	0
2	VICINITY MAP	02/05/2013	0
3	EXISTING SITE PLAN	02/05/2013	0
4	PROPOSED SITE PLAN	02/05/2013	0
5	SECTIONS	02/05/2013	0

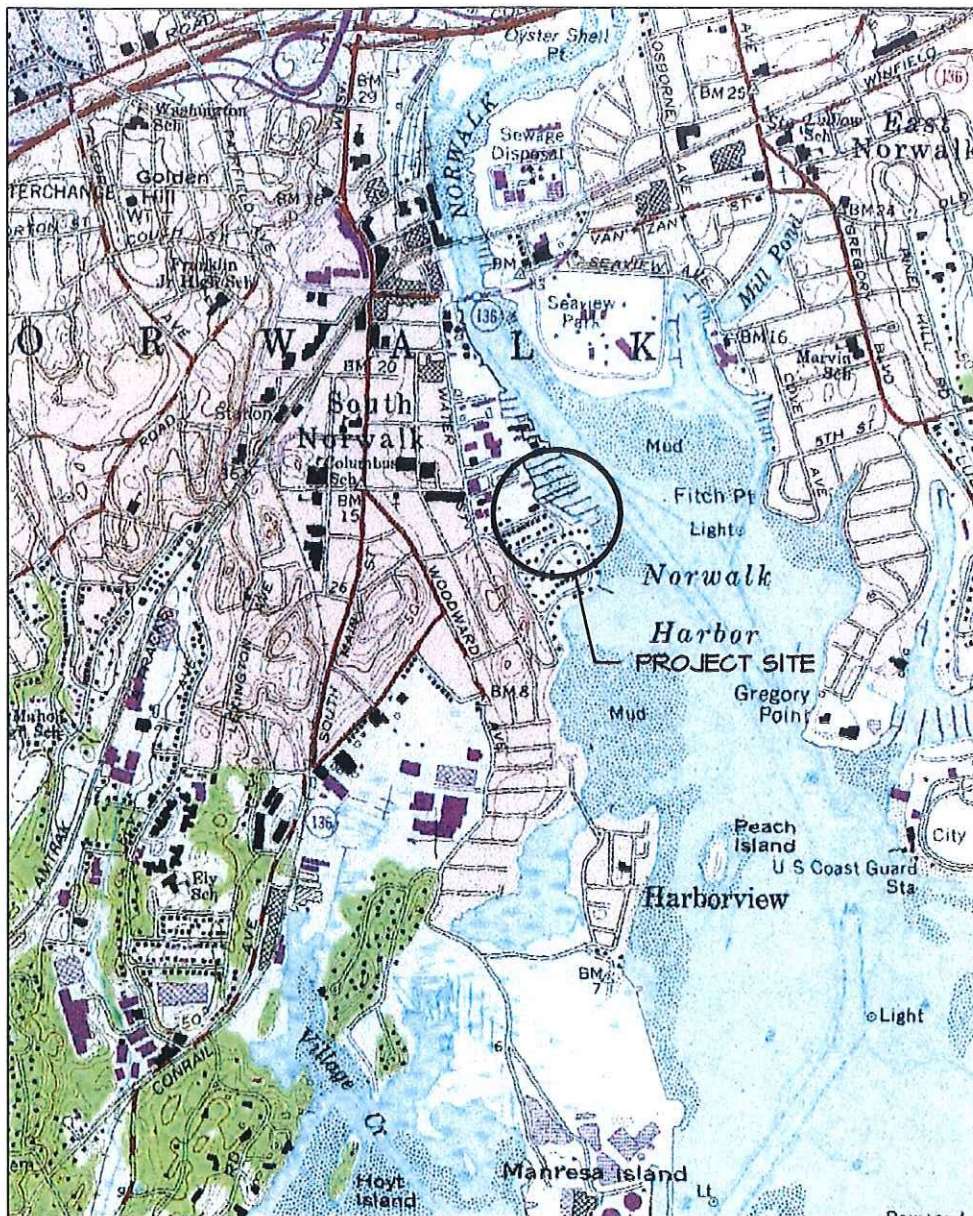
GENERAL NOTES:

1. THE PURPOSE OF THESE DRAWINGS IS FOR PERMIT APPLICATIONS ONLY. DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION.
2. HYDROGRAPHIC SURVEY PERFORMED ON 6-19-12 BY ROBERGE ASSOCIATES COASTAL ENGINEERS, LLC AND CAN ONLY REPRESENT CONDITIONS AT THE TIME OF THE SURVEY.
3. PROJECT BENCHMARK IS A PK NAIL SET IN ASPHALT ELEVATION +10.66' MLW PROVIDED BY CABEZAS-DEANGELIS, LLC ON JULY 11, 2012.
4. ALL HORIZONTAL POSITIONS REFER TO CONNECTICUT STATE PLANE NAD 83.
5. SOUNDINGS ARE IN FEET AND REFERENCED TO MEAN LOW WATER (MLW). SOUNDINGS ABOVE THE PLANE OF MLW ARE PRECEED WITH A (+) SIGN.
6. ALL IN WATER DEPTHS RECORDED WITH INnersPACE 455 DEPTH SOUNDER. HORIZONTAL POSITIONING IS OBTAINED FROM DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS).
7. SURVEY INFORMATION FOR UPLAND STRUCTURES OBTAINED FROM THE DRAWING TITLED "PROXIMITY MAP 17 MACK STREET" PREPARED FOR SOUTH NORWALK BOAT CLUB BY WILLIAM W. SEYMOUR & ASSOCIATES, P.C. AND DATED JUNE 24, 2009.
8. THE LOCATION OF FLOATING DOCKS WERE DETERMINED FROM A DRAWING TITLED "PROXIMITY MAP 17 MACK STREET" PREPARED BY WILLIAM W. SEYMOUR & ASSOCIATES, P.C., AN AERIAL PHOTO TITLED "CONNECTICUT 2010 NAIP 4 BAND ORTHOPHOTO" PROVIDED CONNECTICUT ENVIRONMENTAL CONDITIONS ONLINE, AS WELL AS A SITE INVESTIGATION PERFORMED BY RACE LLC. DOCK POSITIONS ARE APPROXIMATE AND FOR REFERENCE ONLY.
9. CONSTRUCTION METHODOLOGY, CONSTRUCTION SEQUENCE, AND TEMPORARY WORK, DEVELOPED BY THE CONTRACTOR, SHALL BE IN ACCORDANCE WITH THE CT-DEEP PERMIT.

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FOR REGULATORY REVIEW ONLY
NOT FOR CONSTRUCTION

DRAWN BY: MRR CHECKED BY: DJS DATUM: MLW SCALE: 1" = 100' DATE: 02/05/2013 REV: PROJECT #: 201244	SEAL: 	PROJECT: CT-DEEP COP APPLICATION MAINTENANCE DREDGING NORWALK HARBOR APPLICANT: SOUTH NORWALK BOAT CLUB 17 MACK STREET NORWALK, CT	 ROBERGE ASSOCIATES Coastal Engineers, LLC 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 www.racellc.com
NOT VALID WITHOUT ENGINEER'S SEAL		DRAWING NO. 1 of 5	

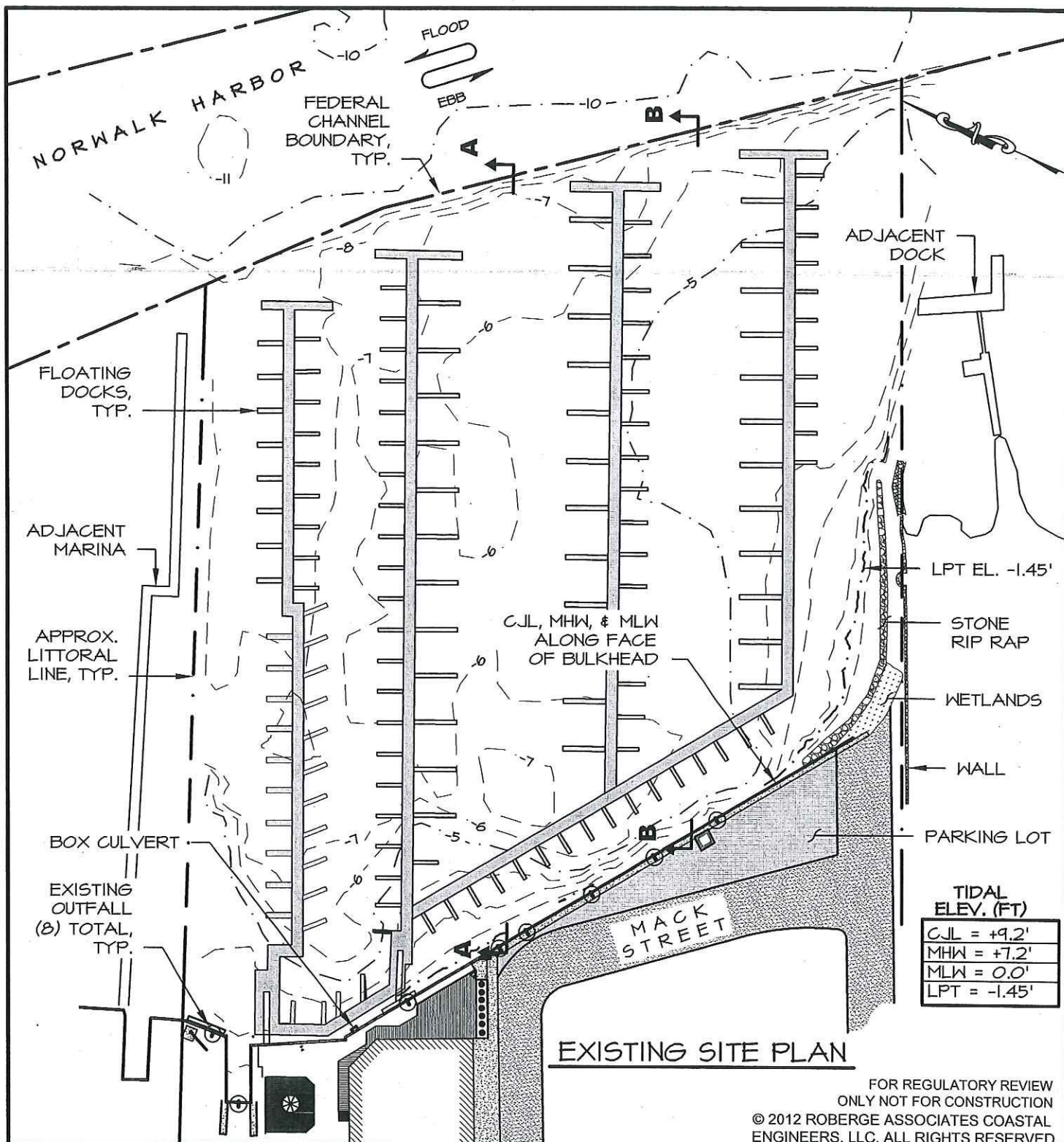


VICINITY MAP

© 2012 ROBERGE ASSOCIATES COASTAL ENGINEERS, LLC. ALL RIGHTS RESERVED.

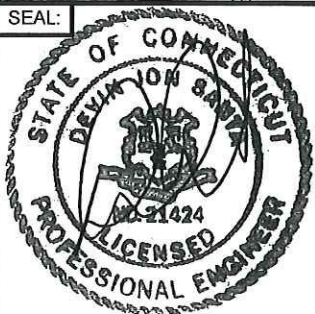
FOR REGULATORY REVIEW ONLY
NOT FOR CONSTRUCTION

DRAWN BY: JMD CHECKED BY: DJS DATUM: N/A SCALE: 1" = 2,000' DATE: 02/05/2013 REV: PROJECT #: 201249	SEAL:  NOT VALID WITHOUT ENGINEER'S SEAL	PROJECT: CT-DEEP COP APPLICATION MAINTENANCE DREDGING NORWALK HARBOR APPLICANT: SOUTH NORWALK BOAT CLUB 17 MACK STREET NORWALK, CT	 ROBERGE ASSOCIATES Coastal Engineers, LLC 611 Access Road Tel: 203-377-0663 Stratford, CT 06615 www.racellc.com DRAWING NO. 2 of 5
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FOR REGULATORY REVIEW
ONLY NOT FOR CONSTRUCTION
© 2012 ROBERGE ASSOCIATES COASTAL
ENGINEERS, LLC. ALL RIGHTS RESERVED.

DRAWN BY: JMD
CHECKED BY: DJS
DATUM: MLW
SCALE: 1" = 100'
DATE: 02/05/2013
REV:
PROJECT #: 201249



NOT VALID WITHOUT ENGINEER'S SEAL

PROJECT:

CT-DEEP COP APPLICATION
MAINTENANCE DREDGING
NORWALK HARBOR

APPLICANT:

SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT

RACE

ROBERGE ASSOCIATES
Coastal Engineers, LLC

611 Access Road
Tel: 203-377-0663

Stratford, CT 06615
www.racellc.com

DRAWING NO. 3 of 5

DREDGE TOE COORDINATES

PT.	NORTHING (FT)	EASTING (FT)
1	595259.3	818188.0
2	595170.2	817985.0
3	595184.8	817918.0
4	595131.3	817790.9
5	595162.7	817717.7
6	595332.8	817480.8
7	595540.6	817970.0

*CT STATE PLANE NAD 83

FEDERAL CHANNEL
BOUNDARY, TYP.

FLOATING
DOCKS, TYP.

ADJACENT
MARINA

APPROX.
LITTORAL
LINE, TYP.

DREDGE TOE
COORDINATE,
TYP.

BOX CULVERT
EXISTING OUTFALL
(1 TOTAL), TYP.

TIDAL
ELEV. (FT)

CJL = +9.2'
MHW = +7.2'
MLW = 0.0'
LPT = -1.45'

PROPOSED SITE PLAN

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ENGINEERS, LLC. ALL RIGHTS RESERVED.

DRAWN BY: JMD
CHECKED BY: DJS
DATUM: MLW
SCALE: 1" = 125'
DATE: 02/05/2013
REV:
PROJECT #: 201249



NOT VALID WITHOUT ENGINEER'S SEAL

PROJECT:

CT-DEEP COP
APPLICATION
MAINTENANCE DREDGING
NORWALK HARBOR

APPLICANT:

SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT

LEGEND:

- DREDGE TO -8.0' W/ 0.5'
OVERDREDGE (155,300 S.F.)
- DREDGE SLOPE 3H:1V
(8,700 S.F.)
- DREDGE TO -3.0' W/ 0.5'
OVERDREDGE (8,600 S.F.)
- SAMPLING LOCATION

DREDGE VOLUMES

BASE DREDGE
VOLUME: -8.0'
TO -3.0 MLW
#16,100 C.Y.

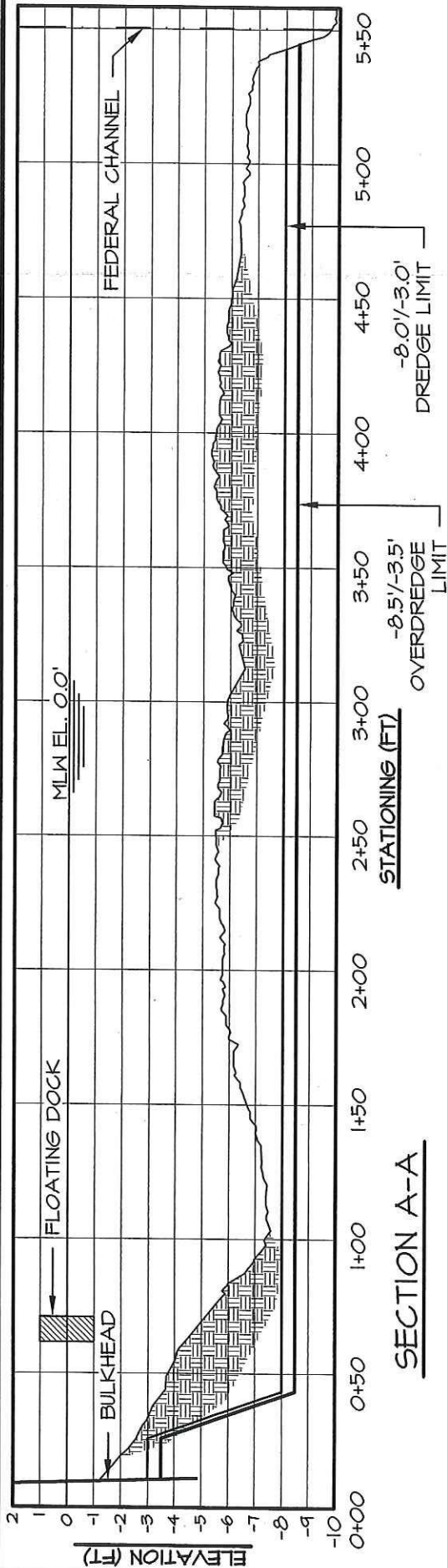
0.5' ALLOWABLE
OVERDREDGE
VOLUME: -8.5'
TO 3.5' MLW
#19,200 C.Y.

RACE
ROBERGE ASSOCIATES
Coastal Engineers, LLC

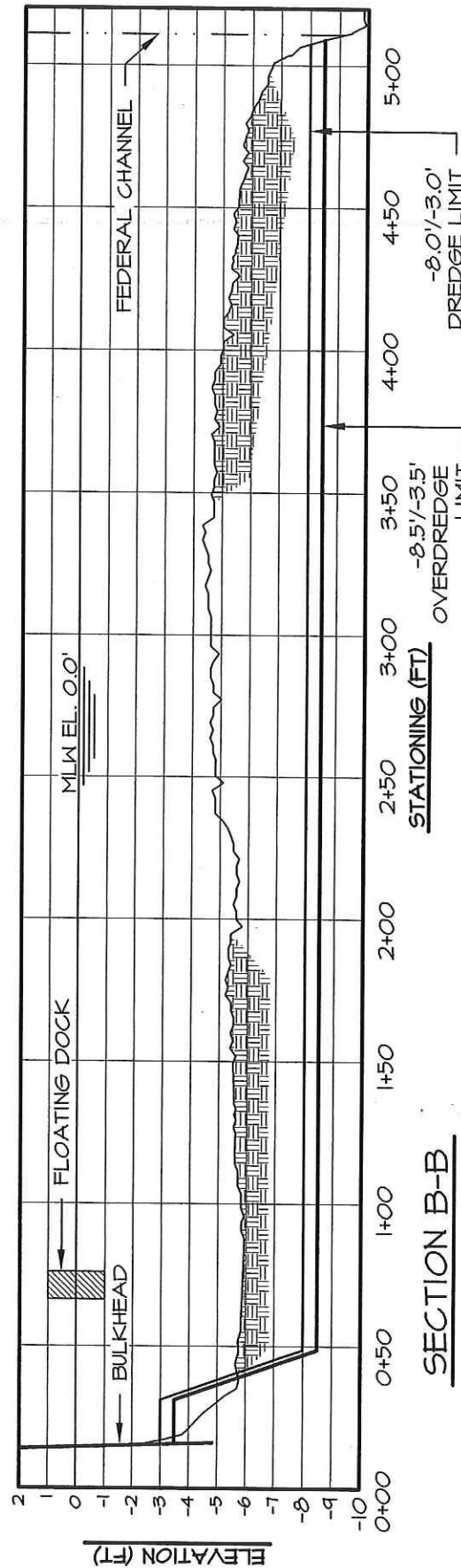
611 Access Road
Tel: 203-377-0663

Stratford, CT 06615
www.racellc.com

DRAWING NO. 4 of 5



SECTION A-A



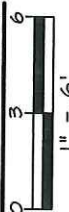
SECTION B-B

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HORIZONTAL SCALE:



VERTICAL SCALE:



SEAL:

DRAWN BY: JMD

CHECKED BY: DJS

DATUM: MLW

SCALE: AS NOTED

DATE: 02/05/2013

REV:

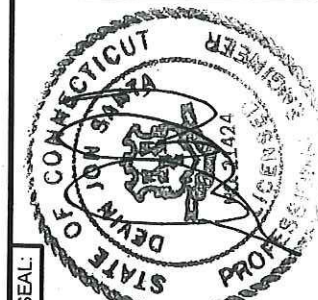
PROJECT #: 201249

PROJECT:

CT-DEEP COP APPLICATION
MAINTENANCE DREDGING
NORWALK HARBOR

APPLICANT:

SOUTH NORWALK BOAT CLUB
17 MACK STREET
NORWALK, CT



NOT VALID WITHOUT ENGINEER'S SEAL



ROBERGE ASSOCIATES
Coastal Engineers, LLC

611 Access Road
Tel: 203-377-0663
Stratford, CT 06615
www.racellc.com

DRAWING NO. 5 of 5



PERMIT NOTICE

This Certifies that Authorization to perform work below the Coastal Jurisdiction Line and/or within Tidal Wetlands of coastal, tidal, or navigable waters of Connecticut

Has been issued to: South Norwalk Boat Club

At this location: 17 Mack Street, Norwalk

To conduct the following:

maintenance dredging.

Permit #: 201301125-SJ

Issued on: 4-11-13 SSA

This Authorization expires on: 4-11-16

This Notice must be posted in a conspicuous place on the job during the entire project.

Department of Energy and Environmental Protection
Office of Long Island Sound Programs
79 Elm Street • Hartford, CT 06106-5127
Phone: (860) 424-3034 Fax: (860) 424-4054
www.ct.gov/deep

OFFICE OF LONG ISLAND SOUND PROGRAMS

APPENDIX A

TO: Permit Section
Department of Energy and Environmental Protection
Office of Long Island Sound Programs
79 Elm Street
Hartford, CT 06106-5127

Certificate Holder: South Norwalk Boat Club
17 Mack Street
Norwalk, CT 06854-3749

Certificate No: 201301125-SJ, Norwalk

CONTRACTOR 1: _____

Address: _____

Telephone #: _____

CONTRACTOR 2: _____

Address: _____

Telephone #: _____

CONTRACTOR 3: _____

Address: _____

Telephone #: _____

EXPECTED DATE OF COMMENCEMENT OF WORK: _____

EXPECTED DATE OF COMPLETION OF WORK: _____

PERMITTEE: _____
(signature) (date)



OFFICE OF LONG ISLAND SOUND PROGRAMS

APPENDIX B

NOTICE OF CERTIFICATE ISSUANCE
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION

To: Norwalk City Clerk

Signature and
Date:

Deann Foster 4/11/13

Subject: 17 Mack Street
Certificate of Permission #201301125-SJ

Pursuant to Section 22a-363g and Section 22a-363b of the Connecticut General Statutes, the Commissioner of Energy and Environmental Protection gives notice that a certificate has been issued to **South Norwalk Boat Club**, 17 Mack Street, Norwalk, CT, 06854-3749 to:

conduct maintenance dredging.

If you have any questions pertaining to this matter, please contact the Office of Long Island Sound Programs at 860-424-3034.