



## Connecticut Department of Energy and Environmental Protection License\*

### Structures, Dredging & Fill and Tidal Wetlands Permit Section 401 Water Quality Certification

**Licensee(s):** Palmer Landing Community, Inc

**Licensee Address(s):** 123 Harbor Drive  
Stamford CT 06902

**License Number(s):** 202302291-SDFTWQ

**Municipality:** Stamford

**Project Description:** Replacement of revetment

**Project Address/Location:** 123 Harbor Drive

**Waters:** Stamford Harbor

**Authorizing CT Statute(s) and/or Federal Law:** CGS Section 22a-28 to 35; CGS Section 22a-359 to 363g; CGS Section 22a-90 to 112; Section 401 CWA (33 USC 1341)

**Applicable Regulations of CT State Agencies:** 22a-30-1 to 17, 22a-426-1 to 9

**Agency Contact:** Land & Water Resources Division,  
Bureau of Water Protection & Land Reuse, 860-424-3019

**License Expiration:** Five (5) years from the date of issuance of this license.

**Project Site Plan Set:** 10 plan sheets titled *Palmer Landing Condominiums Erosion Remediation* dated March 1, 2023 with sheets 1-3 and 8-10 revised January 8, 2024, and sheets 4-7 revised January 22, 2024 prepared by RACE Coastal Engineering.

**License Enclosures:** LWRD General Conditions; Site Plan Set; Land Record Filing; LWRD Dredging Report; LWRD Work Commencement Form, Tidal Wetland Planting Restoration Plan

\*Connecticut's Uniform Administrative Procedure Act defines License to include, "the whole or part of any agency permit, certificate, approval, registration, charter or similar form of permission required by law . . ."

**Authorized Activities:**

The Licensee is hereby authorized to conduct the following work as described in application # 202302291-SDFTWQ and as depicted on any site plan sheets / sets cited herein:

1. reconstruct the existing 1,800 square foot revetment including:
  - a. installing a turbidity curtain;
  - b. reusing approximately 1,350 square feet / 25 cubic yards of existing scattered stone;
  - c. placing an additional 1150 square feet / 130 cubic yards of stone;
  - d. placing approximately 300 cubic yards of material on the slopes;
  - e. installing coir mat along slope; and,
  - f. removing turbidity curtain.
2. mitigate impacts to approximately 365 square feet of tidal wetland vegetation in accordance with terms and conditions, paragraph 2., below.

***Failure to comply with the terms and conditions of this license shall subject the Licensee and / or the Licensee's contractor(s) to enforcement actions and penalties as provided by law.***

**This license is subject to the following Terms and Conditions:**

1. **License Enclosure(s) and Conditions.** The Licensee shall comply with all applicable terms and conditions as may be stipulated within the License Enclosure(s) listed above.
2. **Tidal Wetland Mitigation, Monitoring and Reporting.** The Licensee shall conduct the mitigation in accordance with the written plan titled *Tidal Wetland Planting Restoration Plan* dated November 17, 2023 and plan sheets 5 and 9, prepared by RACE Coastal Engineering to plant tidal wetland plantings over a 1,576 square foot area.

Monitoring shall be conducted during the growing season (April 1 – September 30) with the Tidal Wetland Monitoring Report submitted to DEEP.LWRDRregulatory@ct.gov by December 31<sup>st</sup> of each year following the initial planting.

3. **Turbidity Curtain.** Prior to the commencement of work authorized herein, the Licensee shall install turbidity curtains extending from the water surface to the substrate around the work area. Such erosion and sediment control structures shall be maintained in optimal operating condition until project completion at which time the erosion and sediment controls shall be removed to an upland location.

Issued under the authority of the Commissioner of Energy and Environmental Protection on:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Emma Cimino  
Deputy Commissioner  
Environmental Quality Branch



## LWRD General Conditions

1. **Land Record Filing (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) no later than sixty (60) days after license issuance. If a Land Record Filing form is not enclosed and the work site is not associated with an upland property, no filing is required.
2. **Contractor Notification.** The Licensee shall give a copy of the license and its attachments to the contractor(s) who will be carrying out the authorized activities prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Licensee's contractor(s) shall conduct all operations at the site in full compliance with the license and, to the extent provided by law, may be held liable for any violation of the terms and conditions of the license. At the work site, the contractor(s) shall, whenever work is being performed, have on site and make available for inspection a copy of the license and the authorized plans.
3. **Work Commencement<sup>1</sup>.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov), on the Work Commencement Form attached hereto, 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.
  - For water diversion activities authorized pursuant to 22a-377(c)-1 of the Regulations of Connecticut State Agencies, the Licensee shall also notify the Commissioner in writing two weeks prior to initiating the authorized diversion.
  - For emergency activities authorized pursuant Connecticut General Statutes Section 22a-6k, the Licensee shall notify the Commissioner, in writing, of activity commencement at least one (1) day prior to construction and of activity completion no later than five (5) days after conclusion.
4. **For Coastal Licenses Only - License Notice.** The Licensee shall post the first page of the License in a conspicuous place at the work area while the work authorized therein is undertaken.
5. **Unauthorized Activities.** Except as specifically authorized, no equipment or material, including but not limited to, fill, construction materials, excavated material or debris, shall be

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<sup>1</sup> The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.

deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not conduct work within wetlands or watercourses other than as specifically authorized, unless otherwise authorized in writing by the Commissioner. Tidal wetlands means “wetland” as defined by section 22a-29 and “freshwater wetlands and watercourses” means “wetlands” and “watercourses” as defined by section 22a-38.

- 6. Management of Materials.** Any materials removed from the site shall be managed in accordance with all federal, state, and local requirements, including Chapter 446K Water Pollution Control, Chapter 445 Hazardous Waste, and Chapter 446d Solid Waste of the Connecticut General Statutes.
- 7. Unconfined Instream Work.** Unless otherwise noted in a condition of the license, the following conditions apply to projects in non-coastal waters:
  - Unconfined instream work is limited to the period June 1 through September 30.
  - Confinement of a work area by cofferdam techniques using sand bag placement, sheet pile installation (vibratory method only), portadam, or similar confinement devices is allowed any time of the year. The removal of such confinement devices is allowed any time of the year.
  - Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
  - The confinement technique used shall completely isolate and protect the confined area from all flowing water. The use of silt boom/curtain or similar technique as a means for confinement is prohibited.
- 8. For State Actions Only - Material or Equipment Storage in the Floodplain.** Unless approved by a Flood Management Exemption, the storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five-hundred (500) year flood is prohibited. Any other material or equipment stored at the site below said elevation by the Licensee or the Licensee's contractor must be firmly anchored, restrained or enclosed to prevent flotation. The quantity of fuel stored below such elevation for equipment used at the site shall not exceed the quantity of fuel that is expected to be used by such equipment in one day. In accordance with the licensee's Flood Contingency Plan, the Licensee shall remove equipment and materials from the floodplain during periods when flood warnings have been issued or are anticipated by a responsible federal, state or local agency. It shall be the Licensee's responsibility to obtain such warnings when flooding is anticipated.
- 9. Temporary Hydraulic Facilities for Water Handling.** If not reviewed and approved as a part of the license application, temporary hydraulic facilities shall be designed by a qualified professional and in accordance with the *Connecticut Guidelines for Soil Erosion and Sediment Control*, the *2004 Connecticut Stormwater Quality Manual*, or the *Department of Transportation's ConnDOT Drainage Manual*, as applicable. Temporary hydraulic facilities may include channels, culverts or bridges which are required for haul roads, channel relocations, culvert installations, bridge construction, temporary roads, or detours.

- 10. Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and managed in a manner which prevents additional impacts to wetlands and watercourses.
- 11. Best Management Practices.** The Licensee shall not cause or allow pollution of any wetlands or watercourses, including pollution resulting from sedimentation and erosion. In constructing or maintaining any authorized structure or facility or conducting any authorized activity, or in removing any such structure or facility, the Licensee shall employ best management practices to control storm water discharges, to prevent erosion and sedimentation, and to otherwise prevent pollution of wetlands and other waters of the State. For purposes of the license, “pollution” means “pollution” as that term is defined by CGS section 22a-423. Best Management Practices include, but are not limited, to practices identified in the *Connecticut Guidelines for Soil Erosion and Sediment Control* as revised, *2004 Connecticut Stormwater Quality Manual*, Department of Transportation’s *ConnDOT Drainage Manual* as revised, and the Department of Transportation Standard Specifications as revised.
- 12. In-Water Work Vessel Staging and Storage. (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** For any barge, vessel, skiff or floating work platform (“work vessels”) utilized in the execution of the work authorized herein, the Licensee shall ensure that such work vessels:
- do not rest on, or come in contact with, the substrate at any time, unless specifically authorized in the license.
  - are not stored over intertidal flats, submerged aquatic vegetation or tidal wetland vegetation or in a location that interferes with navigation. In the event any work vessel is grounded, no dragging or prop dredging shall occur to free it.
- 13. Work Site Restoration.** Upon completion of any authorized work, the Licensee 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.
- 14. Inspection.** The Licensee shall allow any representative of the Commissioner to inspect the project location at reasonable times to ensure that work is being or has been conducted in accordance with the terms and conditions of this license.
- 15. Change of Use. (Applies only if a use is specified within the License “Project Description”)**
- a. The work specified in the license is authorized solely for the purpose set forth in the license. No change in purpose or use of the authorized work or facilities as set forth in the license may occur without the prior written approval of the Commissioner. The Licensee shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this license, request permission 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.
- 16. De Minimis Alteration.** The Licensee shall not deviate from the authorized activity without

prior written approval from the Commissioner. The Licensee may request a de minimis change to any authorized structure, facility, or activity. A de minimis alteration means a change in the authorized design, construction or operation that individually and cumulatively has minimal additional environmental impact and does not substantively alter the project as authorized.

- For diversion activities authorized pursuant to 22a-377(c)-2 of the Regulations of Connecticut State Agencies, a de minimis alteration means an alteration which does not significantly increase the quantity of water diverted or significantly change the capacity to divert water.

**17. Extension Request.** The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) at least thirty (30) days prior to the license expiration. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. The Commissioner may extend the expiration date of this license for a period of up to one year, in order for the Licensee to complete the authorized activities. It shall be at the Commissioner's sole discretion to grant or deny such request. No more than three (3) one-year extensions will be granted under this license.

**18. Compliance Certification.** Not later than 90 days after completion of the authorized work, the Licensee shall prepare and submit to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov), the attached Compliance Certification Form. Such Compliance Certification shall be completed, signed, and sealed by the Licensee and a Connecticut Licensed Design Professional. If non-compliance is indicated on the form, or the Commissioner has reason to believe the activities and/or structures were conducted in non-compliance with the license, the Commissioner may require the Licensee to submit as-built plans as a condition of this license.

**19. Maintenance.** The Licensee shall maintain all authorized structures or work in optimal condition or shall remove such structures or facility and restore the affected waters to their pre-work condition. Any such maintenance or removal activity shall be conducted in accordance with applicable law and any additional approvals required by law.

**20. No Work After License Expiration.** Work conducted after the license expiration date is a violation of the license and may subject the licensee to enforcement action, including penalties, as provided by law.

**21. License Transfer.** The license is not transferable without prior written authorization of the Commissioner. A request to transfer a license shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Licensee's obligations under the license shall not be affected by the passage of title to the license site to any other person or municipality until such time as a transfer is approved by the Commissioner.

**22. Document Submission.** Any document required to be submitted to the Commissioner under the license or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

[DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) or

Regulatory Section  
Land & Water Resources Division  
Department of Energy and Environmental Protection  
79 Elm Street  
Hartford, Connecticut 06106-5127  
860-424-3019

- 23. Date of Document Submission.** The date of submission to the Commissioner of any document required by the license shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under the license, 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 the license, the word “day” as used in the license means calendar day. Any document or action which is required by the license 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.
- 24. Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under the license shall be signed by the Licensee 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.”
- 25. Accuracy of Documentation.** In evaluating the application for the license, the Commissioner has relied on information and data provided by the Licensee and on the Licensee’s representations concerning site conditions, design specifications and the proposed work, including but not limited to representations concerning the commercial, public or private nature of the work or structures, 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, the license may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
- 26. Limits of Liability.** In granting the license, the Commissioner has relied on all representations of the Licensee, including information and data provided in support of the Licensee’s application. Neither the Licensee’s representations nor the issuance of the license shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
- 27. Reporting of Violations.** In the event that the Licensee becomes aware that they did not or may not comply, or did not or may not comply on time, with any provision of this license or of any document incorporated into the license, the Licensee shall immediately notify the



agency contact specified within the license 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 agency contact, the Licensee shall provide, for the agency's review and written approval, a report including the following information:

- a. the provision(s) of the license that has been violated;
- b. the date and time the violation(s) was first observed and by whom;
- c. the cause of the violation(s), if known;
- d. if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
- e. if the violation(s) has not ceased, the anticipated date when it will be corrected;
- f. steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented; and
- g. the signatures of the Licensee and of the individual(s) responsible for actually preparing such report.

If the violation occurs outside of normal business hours, the Licensee shall contact the Department of Energy and Environmental Protection Emergency Dispatch at 860-424-3333. The Licensee shall comply with any dates which may be approved in writing by the Commissioner.

- 28. Revocation/Suspension/Modification.** The license may be revoked, suspended, or modified in accordance with applicable law.
- 29. Other Required Approvals.** License issuance does not relieve the Licensee of their obligations to obtain any other approvals required by applicable federal, state and local law.
- 30. Rights.** The license 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.
- 31. Condition Conflicts.** In the case where a project specific special condition listed on the license differs from, or conflicts with, one of the general conditions listed herein, the project specific special condition language shall prevail. It is the licensee's responsibility to contact the agency contact person listed on the license for clarification if needed prior to conducting any further regulated activities.

# PALMER LANDING CONDOMINIUMS EROSION REMEDIATION

DRAWING LIST	
DRAWING No.	DRAWING TITLE
1	TITLE SHEET & GENERAL NOTES
2	VICINITY MAP
3	TAX ASSESSOR'S MAP
4	EXISTING AND S&E CONTROL PLAN
5	PROPOSED SITE PLAN
6	EXISTING SECTION A-A
7	PROPOSED SECTION A-A
8	EXISTING SECTION B-B
9	PROPOSED SECTION B-B
10	SURROUNDING AREA PLAN

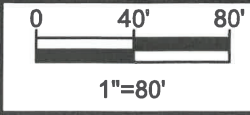
### GENERAL NOTES

1. THE PURPOSE OF THESE DRAWINGS ARE FOR REGULATORY REVIEW ONLY.
2. VICINITY MAP TAKEN FROM USGS 7.5 MINUTE QUADRANGLE STAMFORD, CT.
3. ELEVATIONS REFERENCE NORTH AMERICAN VERTICAL DATUM OF 1988, UNLESS NOTED OTHERWISE.
4. THIS SITE INFORMATION HAS BEEN TAKEN FROM A DRAWING TITLED "JETTY AT PALMER LANDING", PREPARED FOR SCHOONER COVE ASSOCIATION, BY REDNISS AND MEAD, DATED 07/23/2015.
5. SUPPLEMENTARY INFORMATION OBTAINED BY RACE COASTAL ENGINEERING, LLC ON 05/03/2022 AND ONLY REPRESENT THE SITE CONDITIONS AT THAT TIME.
6. TIDAL ELEVATION DATA HAS BEEN TAKEN FROM BENCH MARK SHEET FOR STAMFORD HARBOR, CT 8469198 FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TIDES AND CURRENTS WEBSITE.
7. TAX MAP PER CITY OF STAMFORD ONLINE GIS.

### PROJECT TIDAL ELEVATIONS:

DATUM	NAVD 88 (FT)	MLW (FT)
COASTAL JURISDICTIONAL LIMIT (CJL)	5.50	9.30
HIGH TIDE LINE (HTL)	5.50	9.30
MEAN HIGH WATER (MHW)	3.38	7.18
NAVD 88	0.00	3.80
MEAN LOW WATER (MLW)	-3.80	0.00

 <p>611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com</p>	Prepared For: <b>PALMER LANDING CONDOMINIUMS</b> 123 HARBOR DRIVE STAMFORD, CT 06902	SEAL:	Date: <b>3/1/2023</b> Drawn By: <b>JBA</b> Datum: <b>NAVD88</b> Project No.: <b>2022043</b>	Rev.: <b>1</b> 1/8/2024 Checked By: <b>JAP/ADS</b> Scale: <b>NTS</b> Drawing No.: <b>1 of 10</b>
	Project: <b>EROSION REMEDIATION</b> 123 HARBOR DRIVE STAMFORD, CT 06902		NOT VALID WITHOUT ENGINEER'S SEAL	
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**TAX MAP**

**RACE**  
COASTAL ENGINEERING

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Tel: 203-377-0663 racecoastal.com

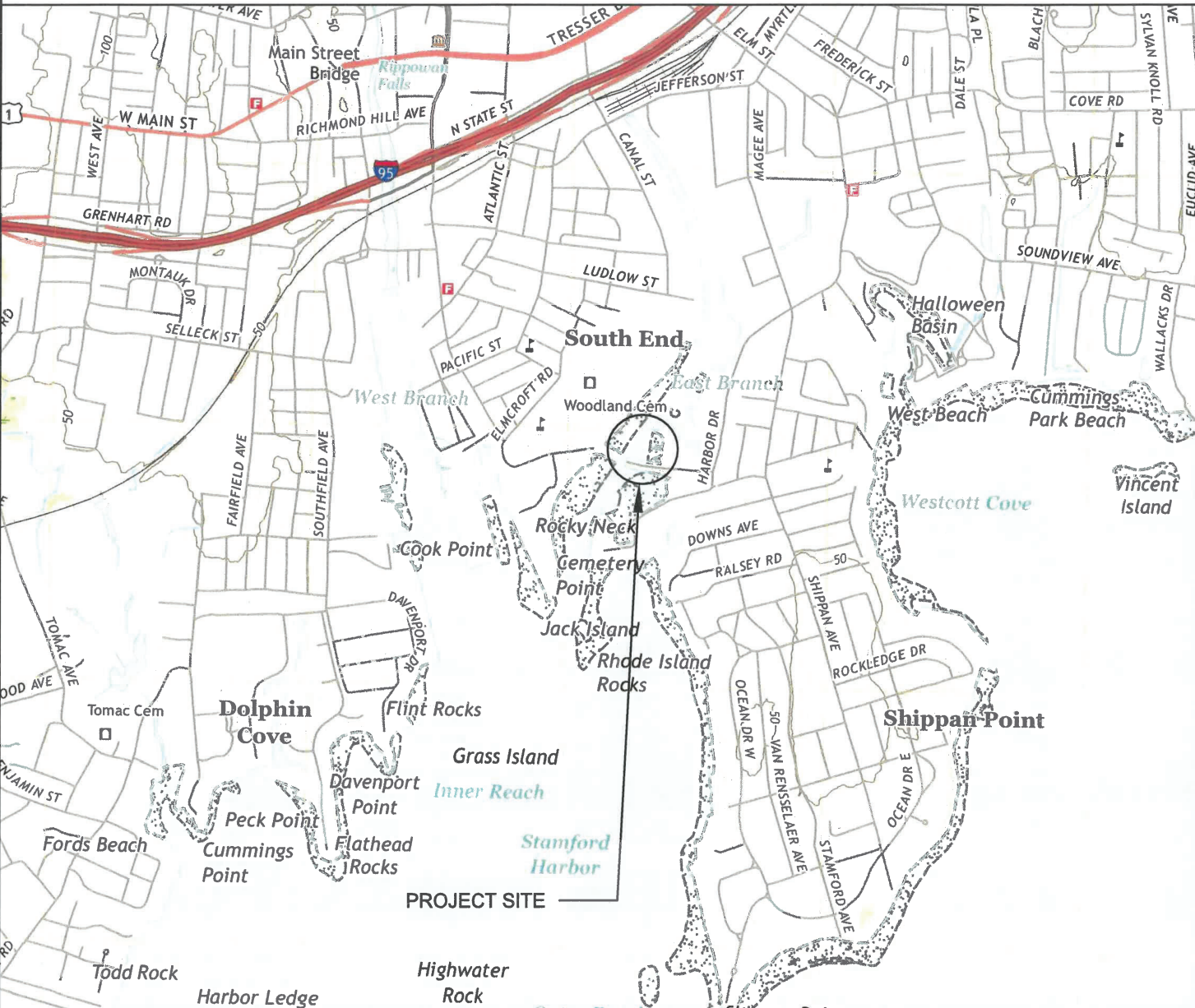
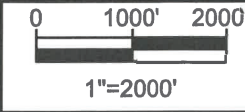
Prepared For:  
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STAMFORD, CT 06902

Project:  
**EROSION REMEDIATION**  
123 HARBOR DRIVE  
STAMFORD, CT 06902

SEAL:

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Date:	Rev.: 1
3/1/2023	1/8/2024
Drawn By:	Checked By:
JBA	JAP/ADS
Datum:	Scale:
NAVD88	1"=80'
Project No.:	Drawing No.:
2022043	2 of 10



**VICINITY MAP**

**RACE**  
COASTAL ENGINEERING

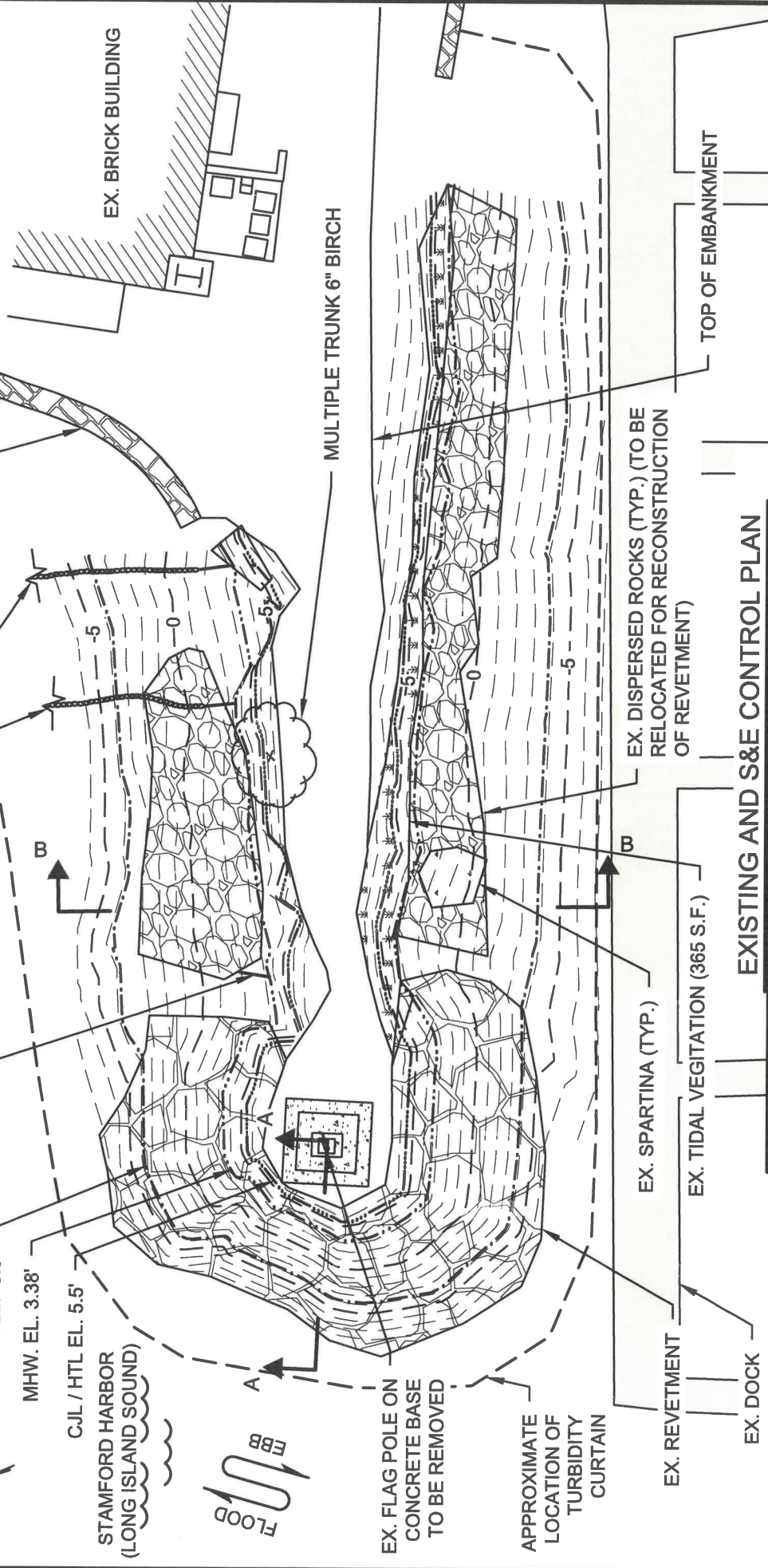
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Tel: 203-377-0663 racecoastal.com

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STAMFORD, CT 06902

Project:  
**EROSION REMEDIATION**  
123 HARBOR DRIVE  
STAMFORD, CT 06902

SEAL:

Date:	Rev.: 1
3/1/2023	1/8/2024
Drawn By:	Checked By:
JBA	JAP/ADS
Datum:	Scale:
NAVD88	1"= 2000'
Project No.:	Drawing No.:
2022043	3 of 10



**EXISTING AND S&E CONTROL PLAN**

Date:	3/1/2023	Rev.:	2
Drawn By:	JBA	Checked By:	JAP/ADS
Datum:	NAVD88	Scale:	1"=20'
Project No.:	2022043	Drawing No.:	4 of 10

SEAL: [Professional Engineer Seal: AZURE DE VLEIGER, STATE OF CONNECTICUT, LICENSED PROFESSIONAL ENGINEER, NO. 23744]

NOT VALID WITHOUT ENGINEER'S SEAL

Prepared For:  
**PALMER LANDING CONDOMINIUMS**  
 123 HARBOR DRIVE  
 STAMFORD, CT 06902

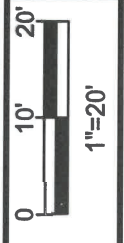
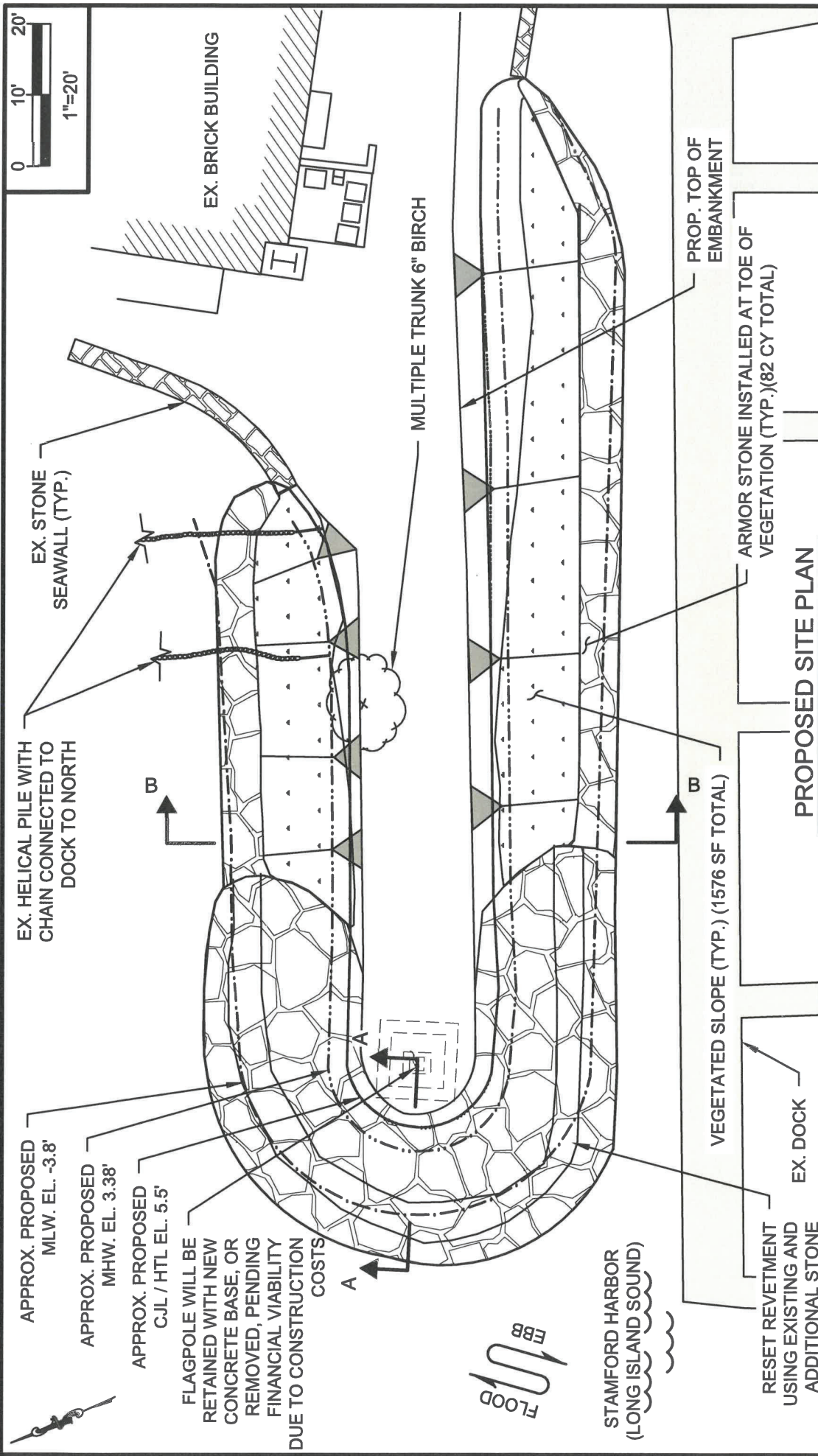
Project:  
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Rev.: 2	Date: 3/1/2023	Drawn By: JBA	Datum: NAVD88	Project No.: 2022043
Checked By: JAP/ADS	Scale: 1"=20'	Scale: 1"=20'	Project No.: 2022043	Drawing No.: 5 of 10

SEAL:

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Prepared For:  
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Project:  
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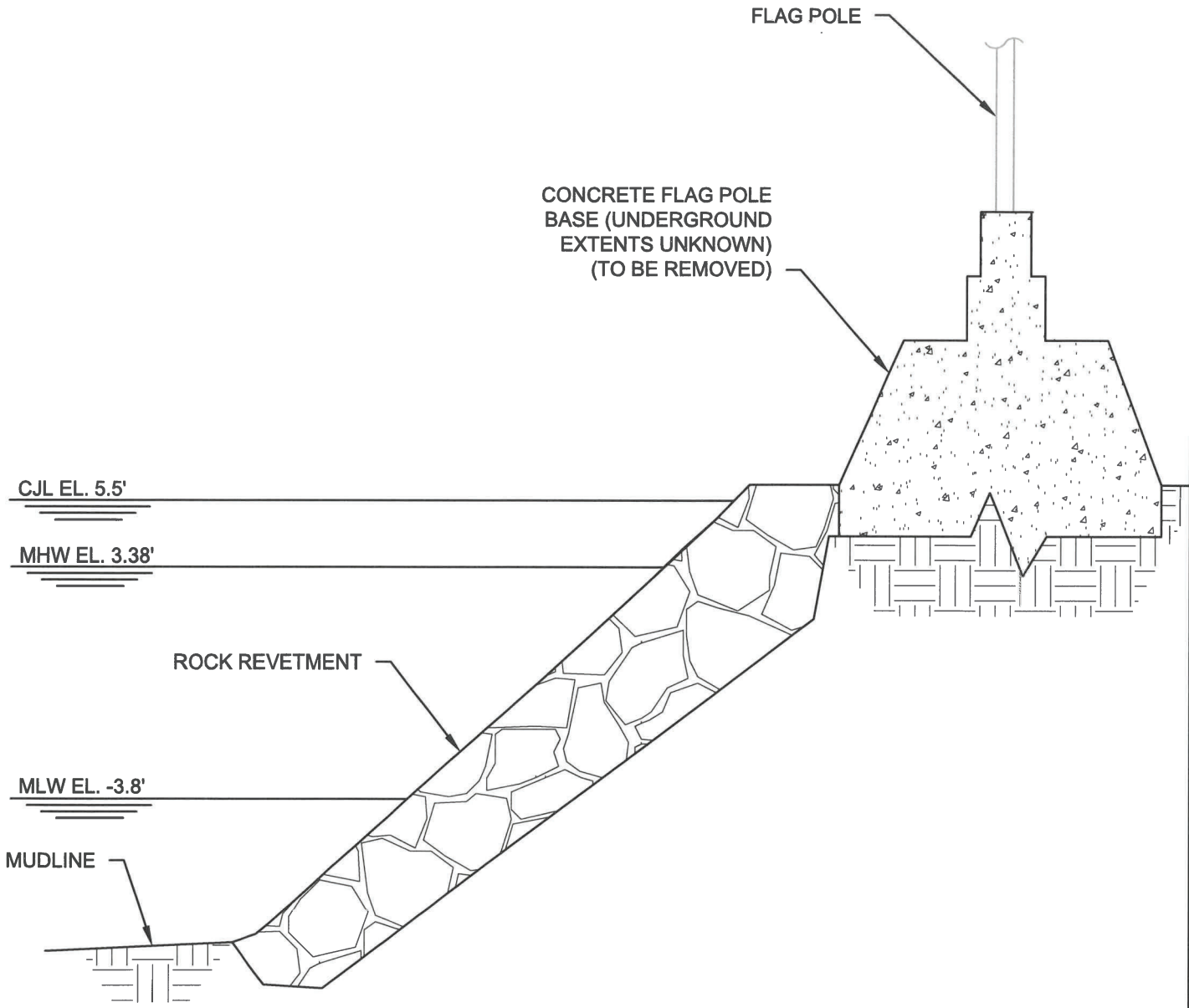
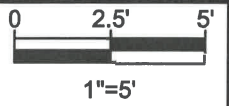
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**PROPOSED SITE PLAN**



**EXISTING SECTION A - A**

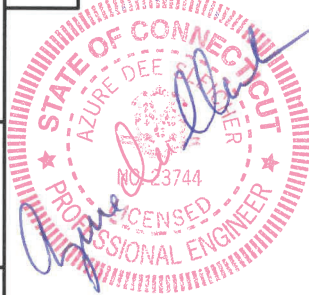


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Tel: 203-377-0663 racecoastal.com

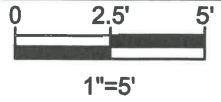
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SEAL:



Date:	3/1/2023	Rev.: 2	1/22/2024
Drawn By:	JBA	Checked By:	JAP/ADS
Datum:	NAVD88	Scale:	1"=5'
Project No.:	2022043	Drawing No.:	6 of 10



REMOVE EX. FLAG POLE AND  
CONCRETE BASE

FLAGPOLE WILL BE RETAINED WITH  
NEW CONCRETE BASE, OR REMOVED,  
PENDING FINANCIAL VIABILITY DUE  
TO CONSTRUCTION COSTS. DESIGN  
OF BASE TO BE DETERMINED

EXISTING GRADE

CJL EL. 5.5'

MHW EL. 3.38'

RESET REVETMENT USING  
EXISTING AND ADDITIONAL STONE

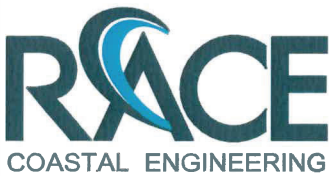
MLW EL. -3.8'

FILTER STONE

FILTER FABRIC

MUDLINE

**PROPOSED SECTION A - A**

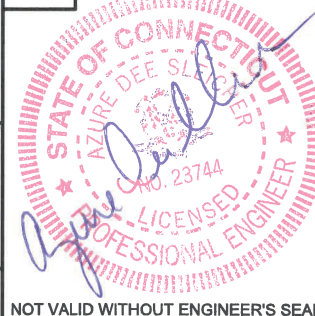


611 Access Road Stratford, CT 06615  
Tel: 203-377-0663 racecoastal.com

Prepared For:  
**PALMER LANDING CONDOMINIUMS**  
123 HARBOR DRIVE  
STAMFORD, CT 06902

Project:  
**EROSION REMEDIATION**  
123 HARBOR DRIVE  
STAMFORD, CT 06902

SEAL:



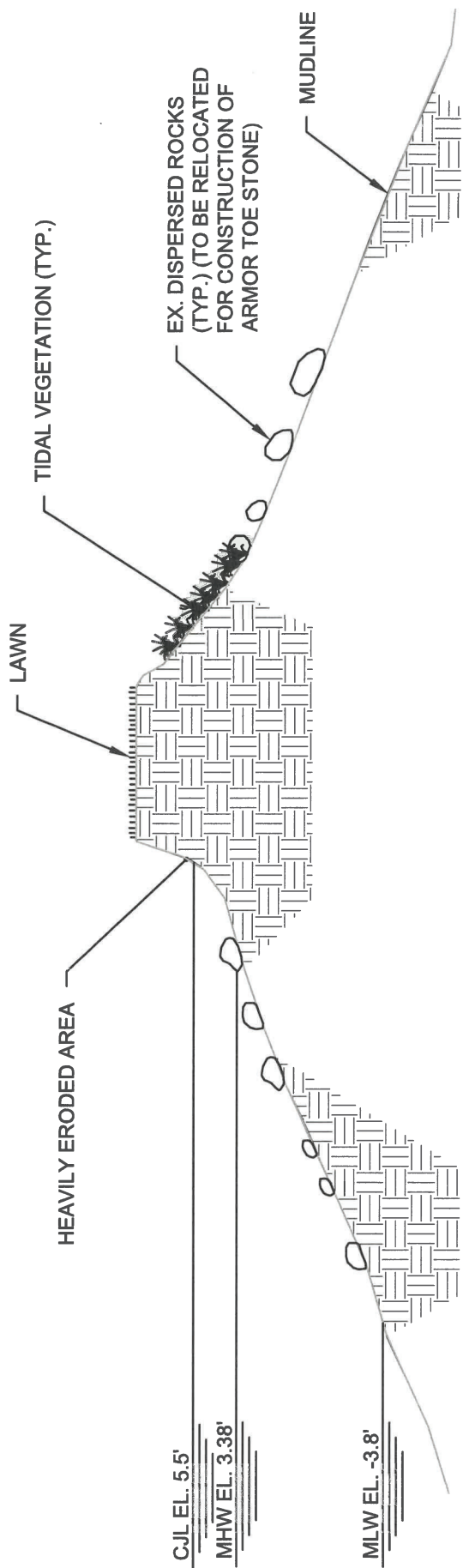
Date:	Rev.: 2
3/1/2023	1/22/2024
Drawn By:	Checked By:
JBA	JAP/ADS
Datum:	Scale:
NAVD88	1"=5'
Project No.:	Drawing No.:
2022043	7 of 10

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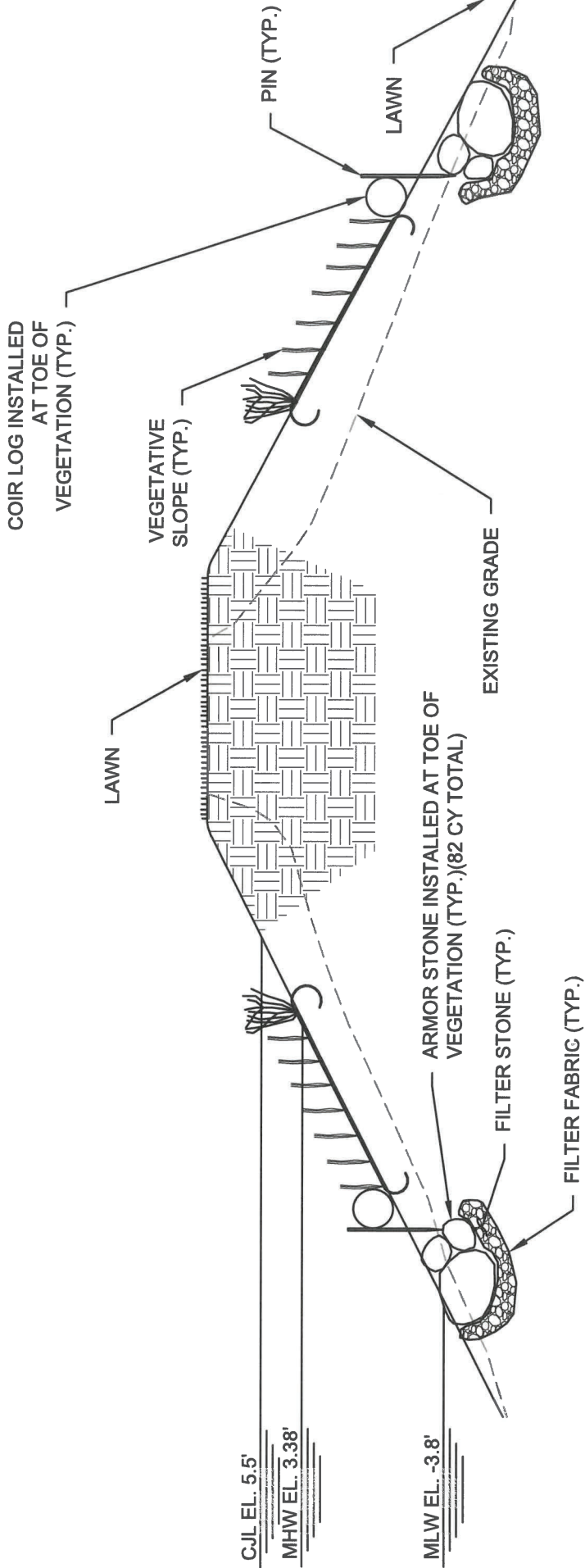




**EXISTING SECTION B - B**

<b>RACE</b> COASTAL ENGINEERING 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For: <b>PALMER LANDING CONDOMINIUMS</b> 123 HARBOR DRIVE STAMFORD, CT 06902	Date: <b>3/1/2023</b>	Rev.: <b>1</b>
	Project: <b>EROSION REMEDIATION</b> 123 HARBOR DRIVE STAMFORD, CT 06902	Drawn By: <b>JBA</b>	Checked By: <b>JAP/ADS</b>
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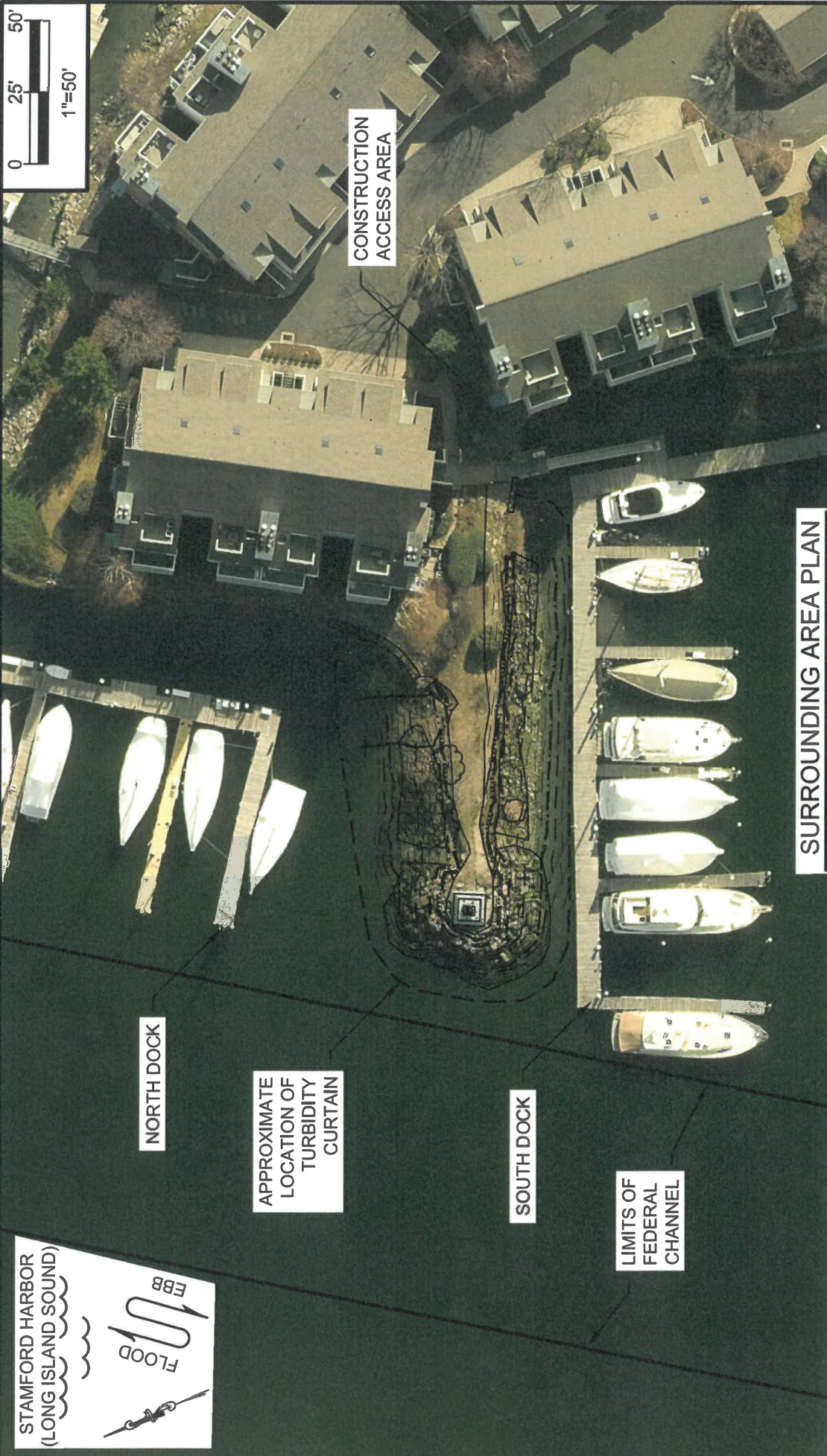


**PROPOSED SECTION B - B**

 <b>RACE</b> COASTAL ENGINEERING 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For: <b>PALMER LANDING CONDOMINIUMS</b> 123 HARBOR DRIVE STAMFORD, CT 06902	Date: <b>3/1/2023</b>	Rev.: <b>1</b>
	Project: <b>EROSION REMEDIATION</b> 123 HARBOR DRIVE STAMFORD, CT 06902	Drawn By: <b>JBA</b>	Checked By: <b>JAP/ADS</b>
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SEAL:

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**SURROUNDING AREA PLAN**

Date:	3/1/2023	Rev:	1
Drawn By:	JBA	Checked By:	JAP/ADS
Datum:	NAVD88	Scale:	1"=50'
Project No.:	2022043	Drawing No.:	10 of 10

SEAL:

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Project:  
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 STAMFORD, CT 06902

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**NOTE: AERIAL IMAGERY  
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## **Tidal Wetland Planting Restoration Plan Palmer Landing Condominiums Erosion Remediation**

November 17<sup>th</sup>, 2023

Per DEEP request, as part of Structures, Dredging, and Fill & Tidal Wetlands application #202302291, RACE Coastal Engineering has prepared this Tidal Wetland Planting Restoration Plan. In conjunction with DEEP guidance document “Tidal Wetland Planting Creation/Restoration/Mitigation,” this plan will be followed for the planting and monitoring of tidal wetlands being restored at Palmer Landing.

Existing tidal plants onsite consist mostly of *spartina alterniflora*, with some *iva frutescens* and *phragmites australis* present above the mean high water line.

The intent of this project is to stabilize the lower areas on the north and south sides of the peninsula with riprap and to restore wetlands in the area landward of the stone. After the existing revetment is reset, and stone installed at the toe of the slope, wetland plants will be planted according to the project plans, and as follows:

- *Spartina alterniflora* plugs will be planted in an alternating staggered grid below the mean high water line between 12” and 18” on center. Approximately 775 plugs will be planted below mean high water.
- *Juncus gerardii*, *distichlis spicata*, and *spartina patens* plugs will be planted in an alternating staggered grid above the mean high water line between 12” and 18” on center. Approximately 35 plugs of each species will be planted above mean high water.

Plugs will be planted in the spring, after the last frost and before June 1<sup>st</sup>. A coir log will be staked at the toe of the planting area with a coir mat that will span to the top of the planting area to help stabilize the vegetation until they are established. See page 9 of the project drawings for a section view of the planting area.

The plantings will be monitored regularly and a monitoring report will be submitted to the commissioner on an annual basis before December 31<sup>st</sup> for the three year monitoring period following the restoration plantings. Information to be included on the monitoring report includes:

- a. remedial actions taken during the monitoring year including site stabilization and invasive plant control;

- b. visual estimates of percent plant cover in the restoration areas;
- c. plan for invasive plant removal;
- d. descriptions of the restoration areas' general health and vigor;
- e. site photographs of each of the restoration areas; and
- f. remedial measures recommended to achieve or maintain the proposed functions and values of the restoration areas.

Watering, weeding, and waterfowl restoration will be implemented during the monitoring period. Plant survival rate will be used to measure the success of the restoration area. A survival rate of 85 percent or higher is desired.

Long term maintenance of the restoration area will include watering and weeding. It is anticipated that after the monitoring period has ended the plants will be well established and will continue to naturally colonize.

Very truly yours,

**RACE COASTAL ENGINEERING, Inc.**

A handwritten signature in cursive script that reads "Jeffrey Aselin".

Jeffrey Aselin  
Engineer

**Land Record Filing\***

**To:** DO NOT FILE

**Signature and**

**NOTE: Due to the electronic delivery of this license and the legal requirement to have a live signature on this document, the “Land Record Filing” as detailed in General Condition #1 will be sent to the Licensee via U.S. Mail for the Licensee to file with the city/town clerk.**

**Date:**

**Subject:** \_\_\_\_\_  
License # \_\_\_\_\_

If you have any questions pertaining to this matter, please contact the Land & Water Resources Division at 860-424-3019.

~~Return to:~~

~~Land & Water Resources Division  
State of Connecticut  
Department of Energy & Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127~~

\*The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice 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 license issuance.



## Compliance Certification Form

The following certification must be signed by the licensee working in consultation with a Connecticut-licensed design professional and must be submitted to the address indicated at the end of this form within ninety (90) days of completion of the authorized work.

1. Licensee Name: <u>Palmer Landing Marina</u> DEEP License Number(s): <u>202302291-SDFTWQ</u> Municipality in which project is occurring: <u>Stamford</u>	
2. <b>Check one:</b> (a) <input type="checkbox"/> "I certify that the final site conditions and / or structures are in general conformance with the approved site plans". Identify and describe any deviations and attach to this form. (b) <input type="checkbox"/> "The final site conditions and / or structures are not in general conformance with the approved site plans. The enclosed "as-built" plans note the modifications".	
3. "I understand that any false statement in this certification is punishable as a criminal offence under section 53a-157b of the General Statutes and under any other applicable law."	
_____ Signature of Licensee	_____ Date
_____ Name of Licensee (print or type)	
_____ Signature of CT-Licensed Design Professional	_____ Date
_____ Name of CT-Licensed Design Professional (print or type)	
_____ Professional License Number (if applicable)	Affix Stamp Here
<ul style="list-style-type: none"> <li>As-built plans shall include: elevations or tidal datums, as applicable, and structures, including any proposed elevation views and cross sections included in the approved license plans. Such as-built plans shall be the original ones and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut.</li> <li>The Licensee will be notified by staff of the Land and Water Resources Division (LWRD) if further compliance review is necessary. Lack of response by LWRD staff does not imply compliance.</li> </ul> <p>Submit this completed form to :  <a href="mailto:DEEP.LWRDRegulatory@ct.gov">DEEP.LWRDRegulatory@ct.gov</a> or  <b>Regulatory Section</b>  <b>Department of Energy and Environmental Protection</b>  <b>Land &amp; Water Resources Division</b>  <b>79 Elm Street</b>  <b>Hartford, CT 06106-5127</b></p>	



**LWRD Work Commencement Form**

**To:** [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) or  
Regulatory Section  
Department of Energy and Environmental Protection  
Land & Water Resources Division  
79 Elm Street  
Hartford, CT 06106-5127

**Licensee Name:** Palmer Landing Marina  
**Municipality in which the project is occurring:** Stamford  
**DEEP License No(s):** 202302291-SDFTWQ

**CONTRACTOR(s):**

# 1 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

# 2 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

# 3 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

Date Contractor(s) received a copy  
of the license and approved plans: \_\_\_\_\_

EXPECTED DATE OF COMMENCEMENT OF WORK: \_\_\_\_\_

EXPECTED DATE OF COMPLETION OF WORK: \_\_\_\_\_

LICENSEE: \_\_\_\_\_  
(Signature) (Date)