



Connecticut Department of Energy and Environmental Protection License*

Structures, Dredging & Fill and Tidal Wetlands Permit

Licensee(s): 2 Lighthouse Lane, LLC

Licensee Address(s): 2 Lighthouse Lane
Old Greenwich, CT 06870

License Number(s): 202307788-SDFTW

Municipality: Greenwich

Project Description: Construct a dock for residential boating access.

Project Address/Location: 2 Lighthouse Lane

Waters: Long Island Sound

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

Applicable Regulations of CT State Agencies: 22a-30-1 to 17

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: Nine Sheets of plans dated 9/26/2023 with sheets 1-3, and 7-9 revised 5/2/2024 and sheets 4-6 revised 7/29/24.

License Enclosures: LWRD General Conditions; Site Plan Set; Land Record Filing; LWRD Work Commencement Form; LWRD Compliance Certification Form; Construction Methodology

*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 # 202307788-SDFTW and as depicted on any site plan sheets / sets cited herein:

1. construct a pier consisting of:
 - a. a 125' x 4' fixed pier with railings, with a landward top of deck elevation of +11' NAVD88 and a waterward top of deck elevation of +9' NAVD88 and associated 18" steel monopiles;
 - b. a 40' x 3' gangway; and
 - c. an 8' x 20' float and four 12" steel float restraint piles; and,
2. place, temporarily, barge and construction matting.

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 Relocation.** At least two weeks prior to work commencement, the Licensee shall submit to DEEP.LWRDRegulatory@ct.gov, for the Commissioner's review and written approval, a tidal wetland relocation plan for those plants impacted by pier support pilings, including relocation methodology and plans with elevations.
3. **Barge Staging and Storage.** Any barge utilized in the execution of the work authorized herein shall occur only during periods of higher water to prevent the barge from resting on, or coming into contact with, the substrate at any time.
4. **Railing Design.** Any railings to be installed on the dock authorized herein shall be minimized to prevent wetland plant shading.
5. **Berthing Restriction.** At no time shall any vessel berthed at the dock authorized herein rest on the substrate at low water.
6. **Construction Methodology.** Construction at the site shall follow the steps and best management practices outlined in Construction Methodology, attached hereto, unless otherwise authorized in writing by the Commissioner.
7. **Shellfish Lessee Notification.** The Licensee shall notify the lessees of shellfish lots Ford North and Ford A West of work commencement at least four weeks prior to the expected commencement date. Proof of such notification shall be submitted to the Commissioner along with the Work Commencement form.

8. **Shellfish Bed Protection.** The shellfish bed boundaries shall be clearly marked with buoys and at no time shall any work vessel or barge anchor in the shellfish beds. Such buoys shall be maintained throughout construction.
9. **Drill Cuttings.** Drill cuttings shall be collected and removed for disposal at an upland site approved for the placement of such waste material, as applicable. The Licensee shall not allow any waste to enter the Long Island Sound.

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

Date

Graham J. Stevens
Bureau Chief
Bureau of Water Protection & Land Reuse

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 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 Commencement¹.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to 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

¹ 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 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, 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 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.

2 LIGHTHOUSE LANE, LLC PROPOSED FIXED PIER AND FLOATING DOCK

DRAWING LIST	
DRAWING No.	DRAWING TITLE
1	TITLE SHEET & GENERAL NOTES
2	VICINITY MAP
3	TAX ASSESSOR'S MAP
4	SITE PLAN
5	EXISTING PARTIAL PLAN
6	PROPOSED PARTIAL PLAN
7	EXISTING AND PROPOSED SECTIONS A-A
8	DRILLED PIPE PILE DETAIL
9	SHELLFISH BED BOUNDARY PLAN

GENERAL NOTES

1. THE PURPOSE OF THESE DRAWINGS ARE FOR REGULATORY REVIEW ONLY.
2. VICINITY MAP TAKEN FROM USGS 7.5 MINUTE QUADRANGLE 20210228 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 "TOPOGRAPHIC SURVEY ON PROPERTY OF ALEX AND ANNA BUZIK - 2 LIGHTHOUSE LANE - OLD GREENWICH", PREPARED FOR ALEX AND ANNA BUZIK, BY S.E. MINOR AND CO., INC. , DATED 11/1/2021.
5. SUPPLEMENTARY INFORMATION OBTAINED BY RACE COASTAL ENGINEERING, LLC ON 11/11/2021 AND ONLY REPRESENT THE SITE CONDITIONS AT THAT TIME.
6. TIDAL ELEVATION DATA HAS BEEN TAKEN FROM BENCH MARK SHEET FOR MIANUS, CT 8469057 FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TIDES AND CURRENTS WEBSITE.

PROJECT TIDAL ELEVATIONS:

DATUM	NAVD 88 (FT)	MLW (FT)
COASTAL JURISDICTIONAL LIMIT (CJL)	5.5	9.3
HIGH TIDE LINE (HTL)	4.5	8.3
MEAN HIGH WATER (MHW)	3.4	7.2
NAVD 88	0.0	3.8
MEAN LOW WATER (MLW)	-3.8	0.0



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

Prepared For:

2 LIGHTHOUSE LANE, LLC
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

Project:

PROPOSED FIXED PIER AND
FLOATING DOCK
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

SEAL:



Date:

9/26/2023

Rev.: 1

5-2-2024

Drawn By:

JBA

Checked By:

ADS

Datum:

NAVD88

Scale:

NTS

Project No.:

2021126

Drawing No.:

1 of 9

ALL RIGHTS RESERVED.

©2023 RACE COASTAL ENGINEERING, INC.

NOT FOR CONSTRUCTION
FOR REGULATORY REVIEW ONLY

NOT VALID WITHOUT ENGINEER'S SEAL



VICINITY MAP



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

Prepared For:
2 LIGHTHOUSE LANE, LLC
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

Project: PROPOSED FIXED PIER AND
FLOATING DOCK
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

SEAL:



Date:	Rev.: 1
9/26/2023	5-2-2024
Drawn By:	Checked By:
JBA	ADS
Datum:	Scale:
NAVD88	1"=2000'
Project No.:	Drawing No.:
2021126	2 of 9

ALL RIGHTS RESERVED.
©2023 RACE COASTAL ENGINEERING, INC.

NOT FOR CONSTRUCTION
FOR REGULATORY REVIEW ONLY

NOT VALID WITHOUT ENGINEER'S SEAL



VICINITY MAP



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

Prepared For:

2 LIGHTHOUSE LANE, LLC
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

Project:

PROPOSED FIXED PIER AND
FLOATING DOCK
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

SEAL:



Date:

9/26/2023

Rev.: 1

5-2-2024

Drawn By:

JBA

Checked By:

ADS

Datum:

NAVD88

Scale:

1"=100'

Project No.:

2021126

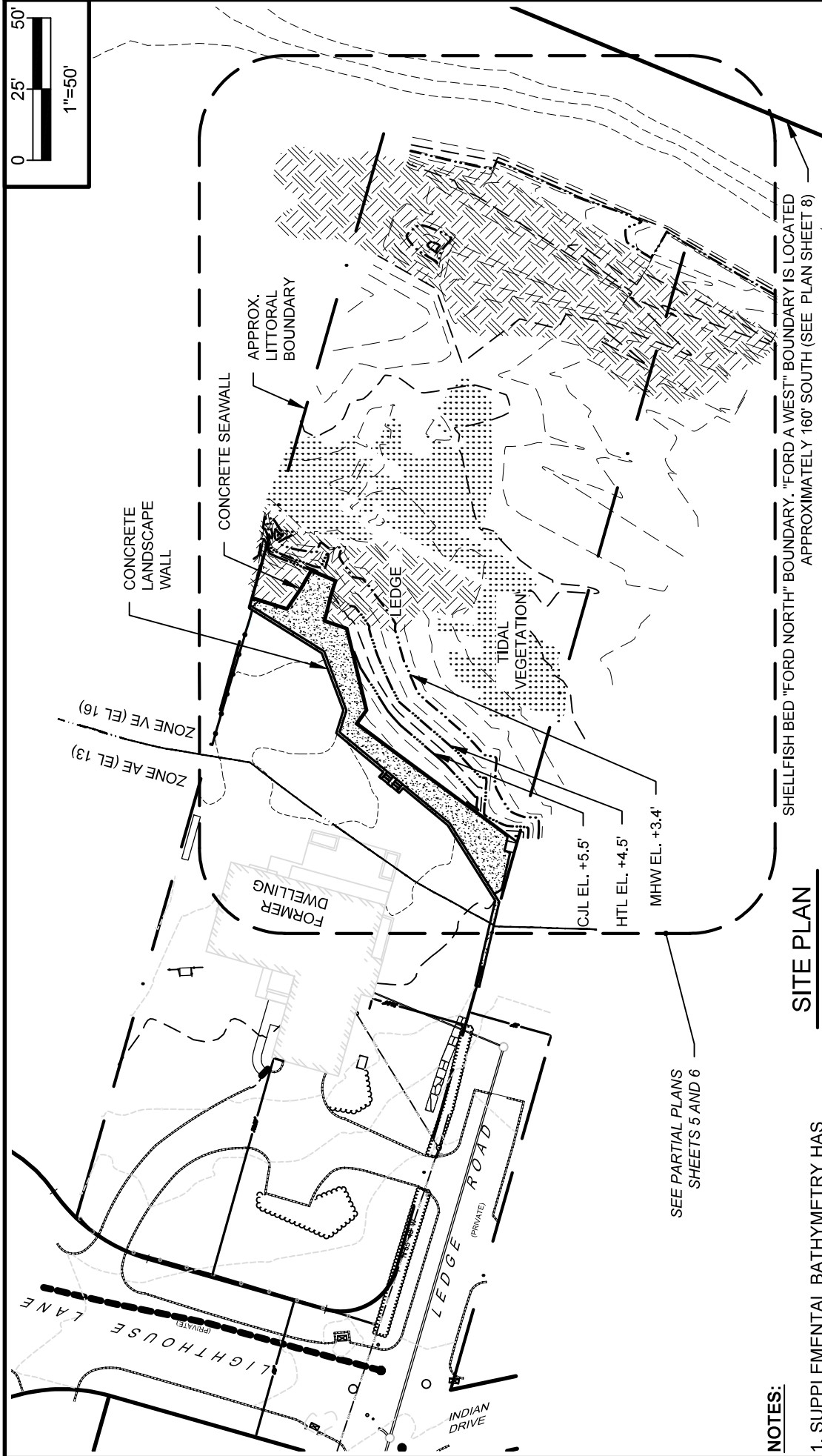
Drawing No.:

3 of 9

ALL RIGHTS RESERVED.
©2023 RACE COASTAL ENGINEERING, INC.

NOT FOR CONSTRUCTION
FOR REGULATORY REVIEW ONLY

NOT VALID WITHOUT ENGINEER'S SEAL



NOTES:

1. SUPPLEMENTAL BATHYMETRY HAS BEEN TAKEN FROM 2015 USACE NAE TOPOBATHY LIDAR (-7' CONTOUR AND BEYOND)
2. SHELLFISH BED BOUNDARY INFORMATION HAS BEEN TAKEN FROM CT ECO AQUACULTURE MAPPING ATLAS
3. TIDAL WETLAND VEGETATION PREDOMINANTLY SPARTINA ALTERNIFLORA.

SITE PLAN

RACE
COASTAL ENGINEERING

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

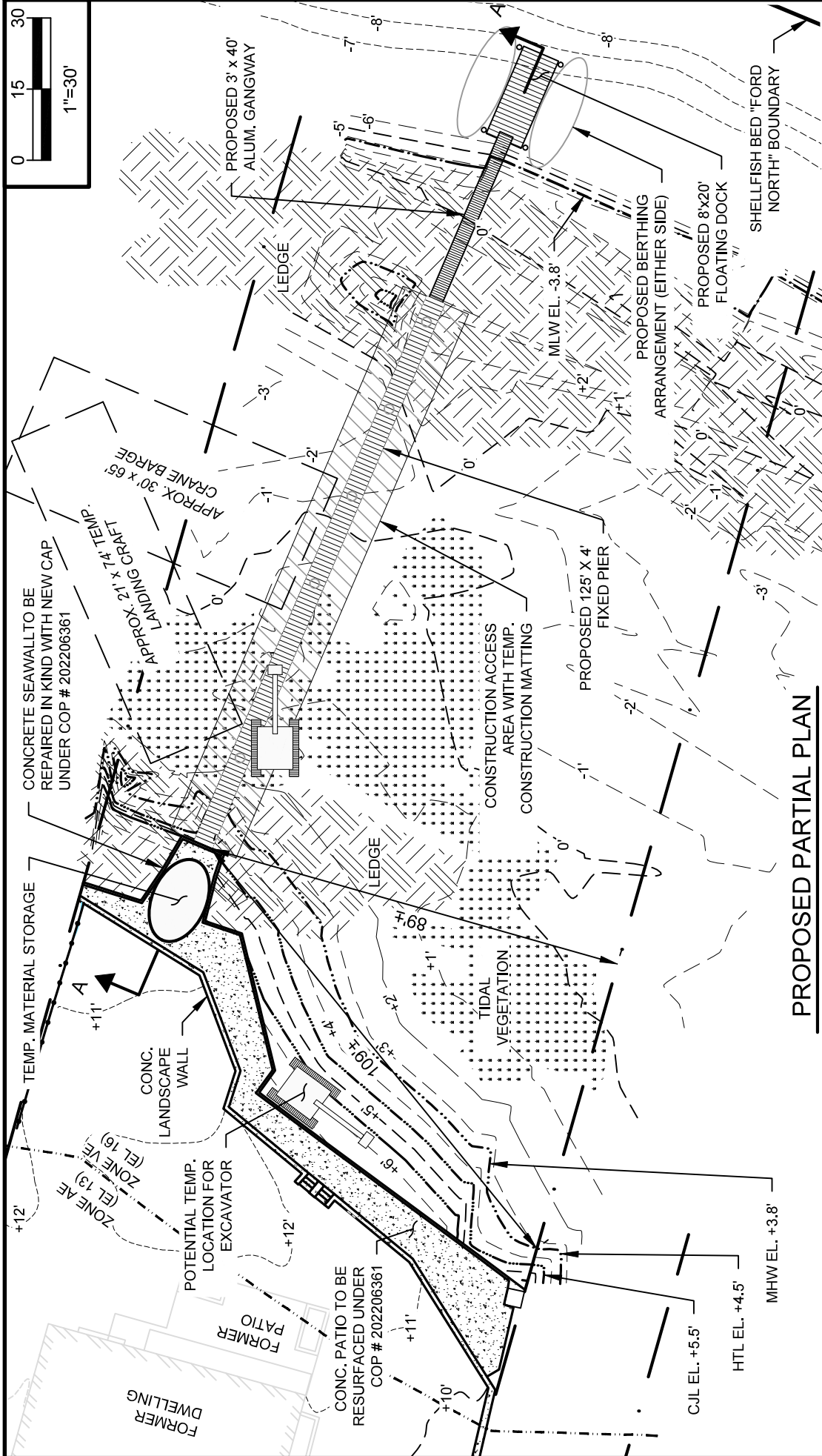
Prepared For:
2 LIGHTHOUSE LANE, LLC
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

Project:
PROPOSED FIXED PIER AND
FLOATING DOCK
2 LIGHTHOUSE LANE
GREENWICH, CT 06870

SEAL:

NOT VALID WITHOUT ENGINEER'S SEAL

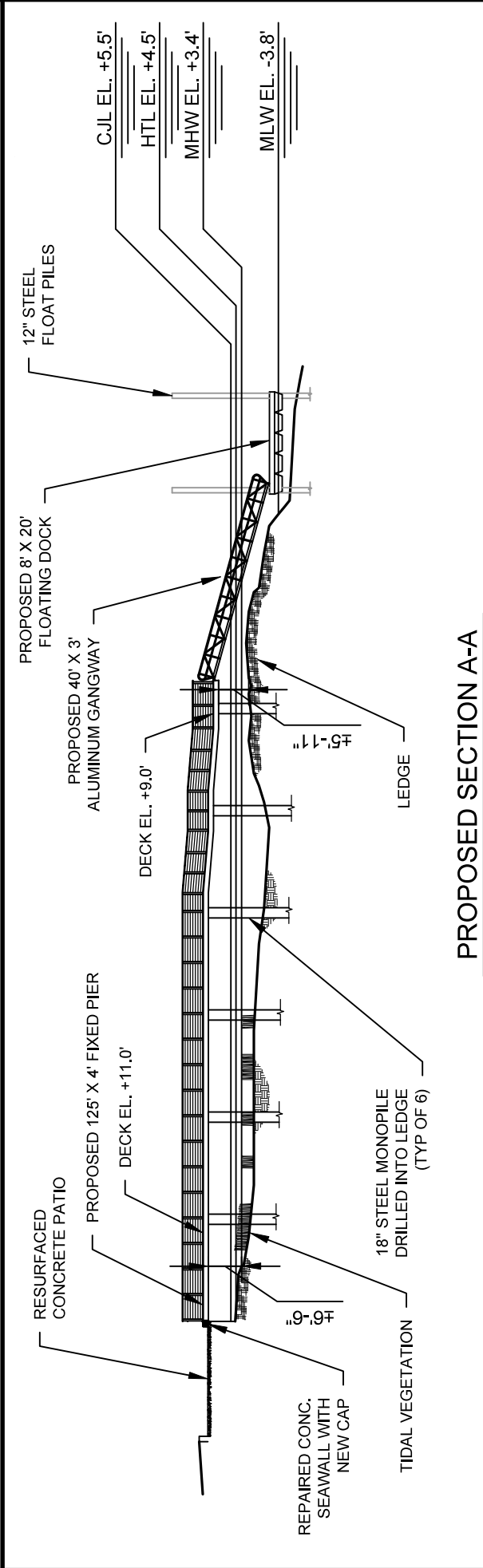
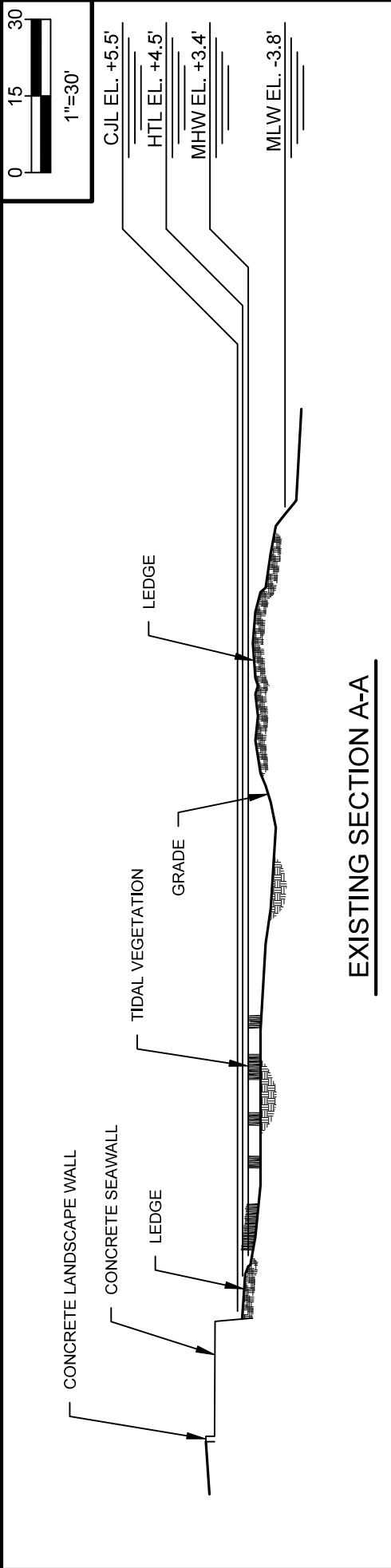
Date:	9/26/2023	Rev.:	2
Drawn By:	JBA / ZMV	Checked By:	ADS
Datum:	NAVD88	Scale:	1"=50'
Project No.:	2021126	Drawing No.:	4 of 9



PROPOSED PARTIAL PLAN

NOTES: 1. SUPPLEMENTAL BATHYMETRY HAS BEEN TAKEN FROM 2015 USACE NAE TOPOBATHY LIDAR (-7' CONTOUR AND BEYOND) 2. SHELLFISH BED BOUNDARY INFORMATION HAS BEEN TAKEN FROM CT ECO AQUACULTURE MAPPING ATLAS. 3. TIDAL WETLAND VEGETATION PREDOMINANTLY SPARTINA ALTERNIFLORA.	 RACE COASTAL ENGINEERING 611 Access Road Stratford, CT 06615 Tel: 203-377-0663 racecoastal.com	Prepared For: 2 LIGHHOUSE LANE, LLC 2 LIGHHOUSE LANE OLD GREENWICH, CT 06870 Project: PROPOSED FIXED PIER AND FLOATING DOCK 2 LIGHHOUSE LANE GREENWICH, CT 06870		Date:	9/26/2023	Rev.:	2
				Drawn By:	JBA / ZMV	Checked By:	ADS
				Datum:	NAVD88	Scale:	1"=30'
				Project No.:	2021126	Drawing No.:	6 of 9


ALL RIGHTS RESERVED.
©2023 RACE COASTAL ENGINEERING, INC. NOT FOR CONSTRUCTION
FOR REGULATORY REVIEW ONLY



NOTE:
SUPPLEMENTAL BATHYMETRY HAS BEEN TAKEN FROM 2015 USACE NAE TOPOBATHY LIDAR

Prepared For:
2 LIGHTHOUSE LANE, LLC
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

Project:
PROPOSED FIXED PIER AND FLOATING DOCK
2 LIGHTHOUSE LANE
GREENWICH, CT 06870

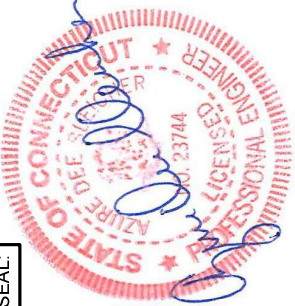


RACE
COASTAL ENGINEERING
611 Access Road Stratford, CT 06615
Tel: 203-377-0663 racecoastal.com

ALL RIGHTS RESERVED.
©2023 RACE COASTAL ENGINEERING, INC.

NOT FOR CONSTRUCTION
FOR REGULATORY REVIEW ONLY

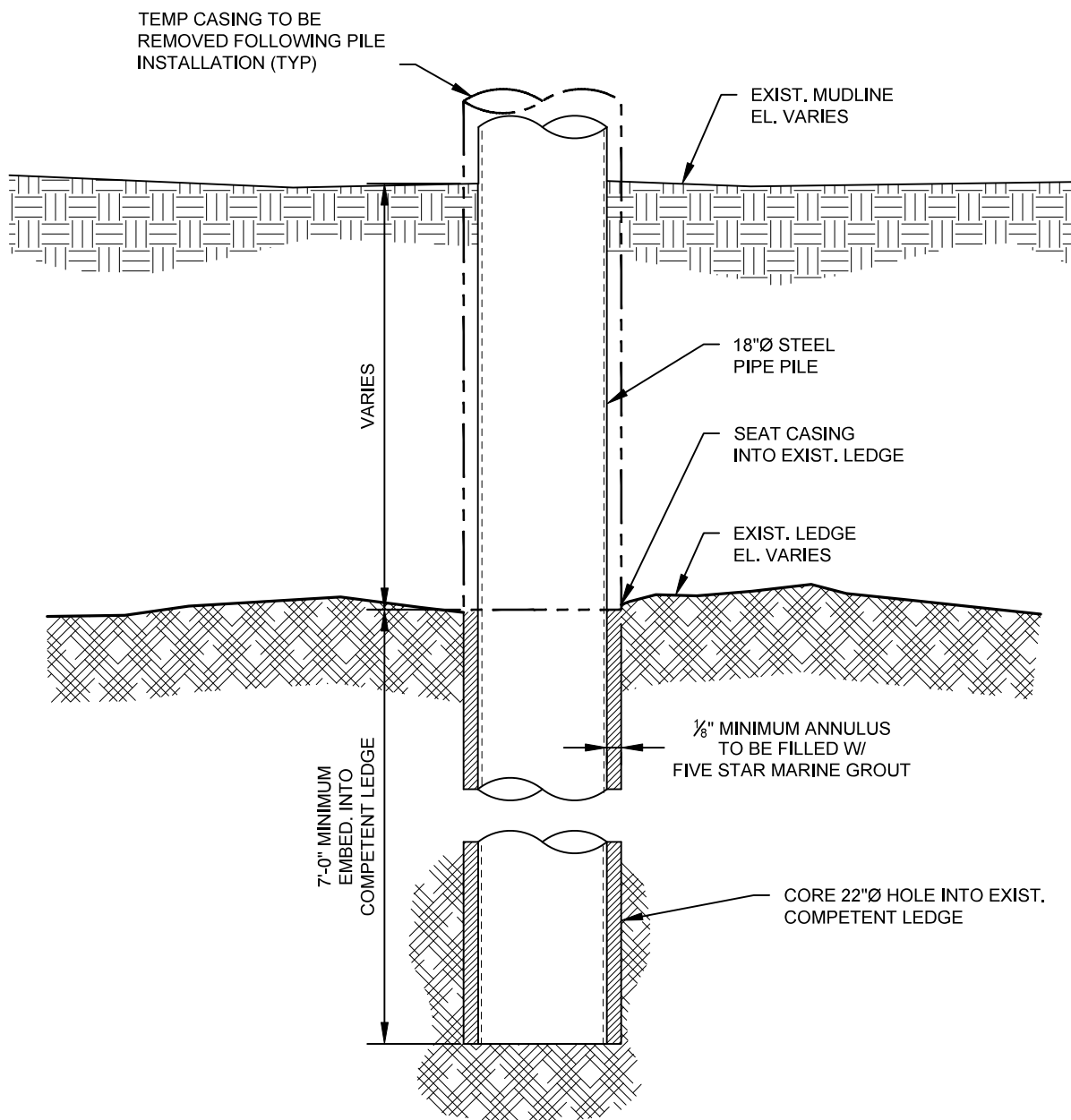
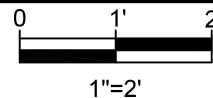
NOT VALID WITHOUT ENGINEER'S SEAL

SEAL: 

Date: 9/26/2023
Drawn By: JBA / ZMV
Datum: NAVD88
Project No.: 2021126

Rev.: 1
5-2-2024
Checked By: ADS
Scale: 1"=30'

Drawing No.: 7 of 9



DRILLED PIPE PILE DETAIL



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

Prepared For:
2 LIGHTHOUSE LANE, LLC
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

Project: PROPOSED FIXED PIER AND
FLOATING DOCK
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

SEAL:

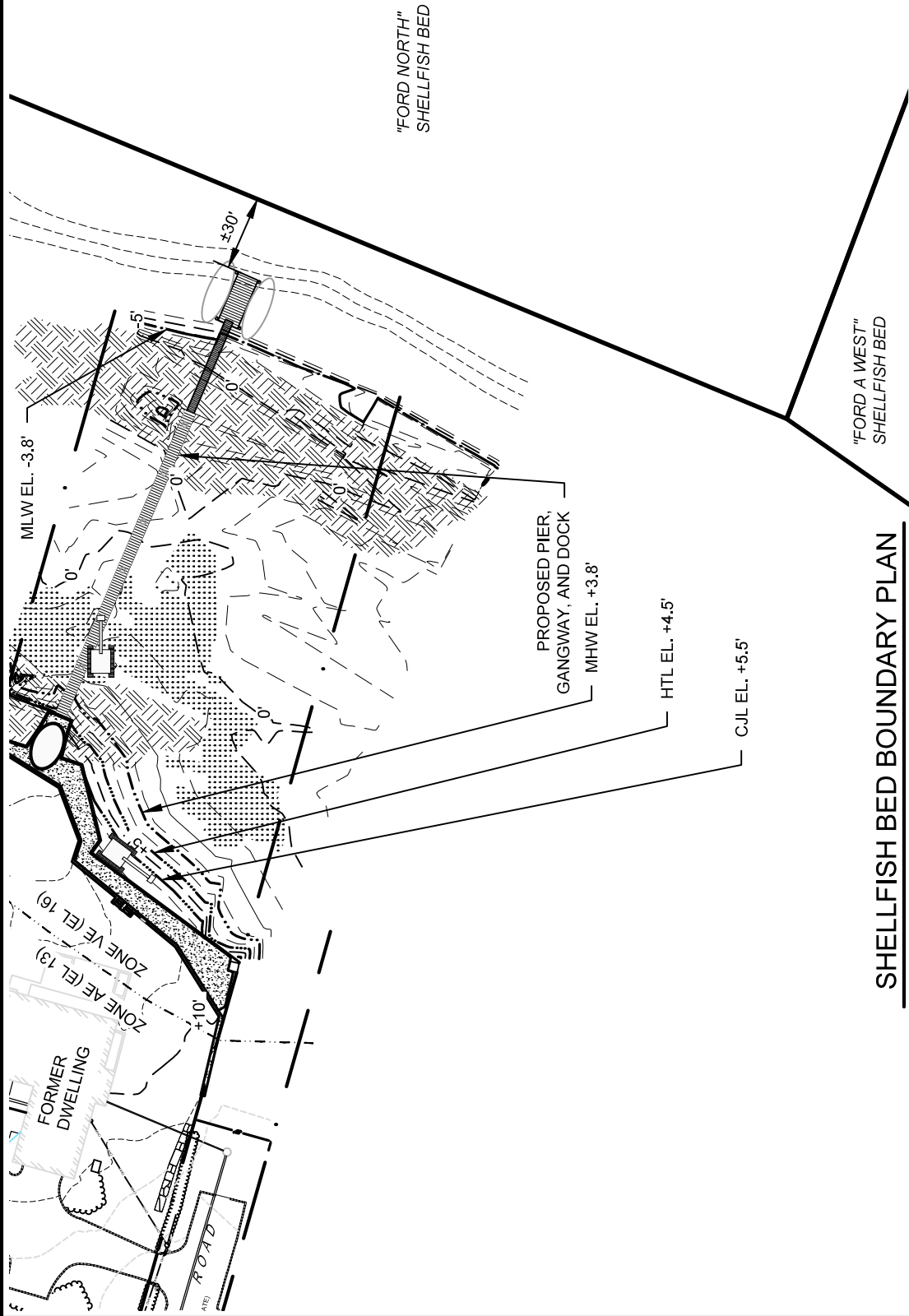
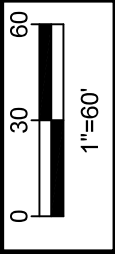


Date:	Rev.: 1
9/26/2023	5-2-2024
Drawn By:	Checked By:
JBA	ADS
Datum:	Scale:
NAVD88	1"=2'
Project No.:	Drawing No.:
2021126	8 of 9

ALL RIGHTS RESERVED.
©2023 RACE COASTAL ENGINEERING, INC.

NOT FOR CONSTRUCTION
FOR REGULATORY REVIEW ONLY

NOT VALID WITHOUT ENGINEER'S SEAL



SHELLFISH BED BOUNDARY PLAN

NOTES:

1. SUPPLEMENTAL BATHYMETRY HAS BEEN TAKEN FROM 2015 USACE NAE TOPOBATHY LIDAR (-7' CONTOUR AND BEYOND)
2. SHELLFISH BED BOUNDARY INFORMATION HAS BEEN TAKEN FROM CT ECO AQUACULTURE MAPPING ATLAS

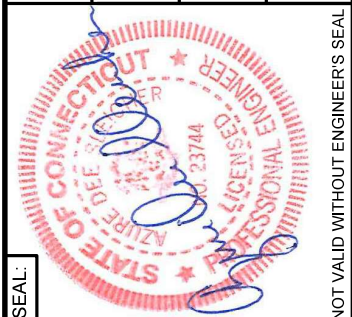


RACE
COASTAL ENGINEERING

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

Prepared For:
2 LIGHTHOUSE LANE, LLC
2 LIGHTHOUSE LANE
OLD GREENWICH, CT 06870

Project:
PROPOSED FIXED PIER AND
FLOATING DOCK
2 LIGHTHOUSE LANE
GREENWICH, CT 06870

SEAL:

NOT VALID WITHOUT ENGINEER'S SEAL

Date:	9/26/2023	Rev.: 1
Drawn By:	JBA / ZMV	Checked By: ADS
Datum:	NAVD88	Scale: 1"=60'
Project No.:	2021126	Drawing No.: 9 of 9

Construction Methodology
2 Lighthouse Lane, Greenwich
Application #2023007788-SDFTW

- No construction equipment or material will be left in the water during high water.
 - The shellfish bed boundaries shall be clearly marked with buoys and at no time shall any work vessel or barge anchor in the shellfish beds. These buoys will be maintained throughout construction.
1. During low water, low ground pressure mats shall be placed over tidal wetlands in the equipment access areas. Mats used in the wetland area will generate a total ground pressure that does not exceed 3 psi. The mats will be delivered to the site by the crane barge during high water and stacked near the seawall and then set into place by the excavator as the tide recedes working from the land toward the water.
 2. During low water, in areas with no tidal wetlands, rubber construction mats will be used and relocated as necessary.
 3. During low water, a landing craft will drop off an excavator and other necessary equipment to be transported over the mats. At no time will equipment leave the mats.
 4. The landing craft will leave the area and come back on an as-needed basis to retrieve equipment.
 5. A crane barge will be brought to the site at high tide and anchored with spud piles. The barge will be used to support drilling operations and the storage of construction materials. At no time will the barge rest on the bottom substrate. A shallow draft staging float may also be utilized to work around the pier.
 6. During low water, the drilling work for the piles will be performed using an excavator mounted rotary with down hole hammer.
 7. A temporary casing will be used to drill and install 18" steel pipe piles. All grouting takes place inside of the cased holes, both inshore and offshore, preventing any loss of grout into the watercourse.
 8. Once the pier pilings are in place, the pier deck will be installed. The pile caps and framing will be lowered into place by the barge mounted crane during high water. Once the framing is in place, the remainder of the pier decking, handrails and finishes are installed by combination of upland based access during low tide or the shallow draft float stage at high tide.

9. During high water, turbidity curtains will be installed around the float area. Four 12" steel float support piles will be drilled from barge-based equipment using casing to contain drill spoils.
10. Install ramp and float using barge-mounted equipment.

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.



LWRD Work Commencement Form

To: 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: 2 Lighthouse Lane, LLC
Municipality in which the project is occurring: Greenwich
DEEP License No(s): 202307788-SDFTW

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)



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.

<p>1. Licensee Name: <u>2 Lighthouse Lane, LLC</u></p> <p>DEEP License Number(s): <u>202307788-SDFTW</u></p> <p>Municipality in which project is occurring: <u>Greenwich</u></p>							
<p>2. Check one:</p> <p>(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.</p> <p>(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".</p>							
<p>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."</p> <table style="width: 100%;"><tr><td style="width: 50%;"><p>_____ Signature of Licensee</p></td><td style="width: 50%;"><p>_____ Date</p></td></tr><tr><td colspan="2"><p>_____ Name of Licensee (print or type)</p></td></tr><tr><td style="height: 100px; vertical-align: bottom;"><p>_____ Signature of CT-Licensed Design Professional</p><p>_____ Name of CT-Licensed Design Professional (print or type)</p><p>_____ Professional License Number (if applicable)</p></td><td style="vertical-align: bottom;"><p>_____ Date</p><div style="border: 1px solid black; width: 200px; height: 150px; margin: 10px auto; text-align: center; line-height: 150px;">Affix Stamp Here</div></td></tr></table>		<p>_____ Signature of Licensee</p>	<p>_____ Date</p>	<p>_____ Name of Licensee (print or type)</p>		<p>_____ Signature of CT-Licensed Design Professional</p> <p>_____ Name of CT-Licensed Design Professional (print or type)</p> <p>_____ Professional License Number (if applicable)</p>	<p>_____ Date</p> <div style="border: 1px solid black; width: 200px; height: 150px; margin: 10px auto; text-align: center; line-height: 150px;">Affix Stamp Here</div>
<p>_____ Signature of Licensee</p>	<p>_____ Date</p>						
<p>_____ Name of Licensee (print or type)</p>							
<p>_____ Signature of CT-Licensed Design Professional</p> <p>_____ Name of CT-Licensed Design Professional (print or type)</p> <p>_____ Professional License Number (if applicable)</p>	<p>_____ Date</p> <div style="border: 1px solid black; width: 200px; height: 150px; margin: 10px auto; text-align: center; line-height: 150px;">Affix Stamp Here</div>						
<ul style="list-style-type: none">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.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. <p>Submit this completed form to : DEEP.LWRDRegulatory@ct.gov or Regulatory Section Department of Energy and Environmental Protection Land & Water Resources Division 79 Elm Street Hartford, CT 06106-5127</p>							