PUBLIC NOTICE



US Army Corps of Engineers & New England District 696 Virginia Road Concord, MA 01742-2751 Comment Period Begins: 02/26/2019 Comment Period Ends: 03/28/2019 File Number: NAE-2018-02081 In Reply Refer To: Christina M. Comeau Phone: (978) 318-8705 E-mail: christina.m.comeau@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from the City of Stamford, CT. This work is proposed in Westcott Cove at West Beach, 850 Shippan Ave, Stamford, Connecticut. The site coordinates are: Latitude 41.0039217°N Longitude -73.522191°W.

The work involves mechanically dredging about 2,000 CY of material from a 14,000 SF area using a barge based crane with a clamshell dredge and/or an excavator. The existing mudline elevation varies between +0.1'± MLW and -4.9'± MLW, and it is being proposed to dredge to -6.4' MLW (-7.4' MLW including a 1' overdredge allowance). The dredged materials consist of black organic silt with sand, black organic silty sand, and grey poorly graded sand. This material is going to be dewatered onsite and then disposed of in the upland area of the nearby park. The project is also to relocate about 3,900 CY of brown poorly graded sand from a 90,000± SF area in the northern portion of the beach and redistributing it over $85.000 \pm SF$ in the southern portion of the beach. The work also includes constructing a 105' by 30' boat ramp with 105' by 6' of riprap scour protection apron on each side and 41'8" by 10' of grouted riprap scour protection apron at the bottom of the ramp; to install a 6' wide by 130' long floating dock in an L shaped configuration; to remove concrete rubble from a 10' wide by 80' long area; and to repair 30' of timber jetty. The dock will extend approximately 89' beyond MHW, and the boat ramp and grouted riprap scour protection apron will extend approximately 105' from MHW. It is anticipated that the boat ramp will be installed in the dry, using a temporary internally braced sheet pile cofferdam, with an active dewatering system, that will be installed using an excavator or a barge-mounted crane equipped with a vibratory hammer. The purpose of the boat ramp project is to accommodate larger vessels, up to 35', and to make the boat ramp available for use throughout the normal tide cycle.

The work is shown on the enclosed plans entitled "BOAT RAMP REPLACEMENT PROJECT, WEST BEACH, CITY OF STAMFORD, STAMFORD, CONNECTICUT," on 20 sheets, and dated "JAN 2019." The work is also shown on the enclosed plans entitled "WEST BEACH SAND BACK PASSING PLAN, STAMFORD, CT, CITY OF STAMFORD, STAMFORD, CONNECTICUT,' on 4 sheets, and dated "FEB 2019."

The proposed project is scheduled to start no earlier than the October 1st to minimize potential impacts to the fisheries. No compensatory mitigation has been proposed for this project.

AUTHORITY

Permits are required pursuant to:

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

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

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

The activities proposed herein will also require permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a Corps federally authorized Civil Works project. The proposed alteration involves dredging activities within the channel and installation of a structure within the Federal Navigation Project. The proposed alteration is located within the Federal Navigation Project as shown on the attached map. A permit pursuant to Section 10/404/103 shall not be granted until the Section 408 permission is issued. Through this public notice we are soliciting information necessary to inform the Corps evaluation and review. The Section 408 point of contact for this project, Coral E. Siligato, can be reached at (978) 318-8012.

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

Dredged Material Disposal Mitigation Discussion:

The alternatives considered in the dredged material disposal analysis fall into four general categories: beneficial use, upland disposal, confined disposal, and open-water disposal. The feasibility of disposal alternatives was analyzed relative to the physical and chemical quality of the dredged material, the volume of material to be dredged, the availability of suitable disposal and beneficial use sites, and the cost of disposal. When applicable, the biological quality of the disposal of the material at the disposal site was also used to evaluate the feasibility of the open-water disposal alternative.

Based on the characteristics of the dredged material, the lack of suitable alternate disposal or beneficial use sites and costs, the most feasible, practical, cost-effective and environmentally acceptable alternative for the disposal of dredged materials from the proposed dredging is disposal at the requested disposal sites.

ESSENTIAL FISH HABITAT

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

The dredging portion of this project will impact approximately 33,500 SF of EFH. Habitats at this site can be described as shallow water, intertidal, and hard bottom. Loss of this habitat may adversely affect species that use these waters and substrate. However the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

The other portions of the project will impact 6,534 SF of EFH. This habitat consists of shallow water, intertidal, tidal wetlands, and hard bottom. Loss of this habitat may adversely affect species that use these waters and substrate. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

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

- a. The permit area has been extensively modified by previous work.
- b. The permit area has been recently created.
- c. The proposed activity is of limited nature and scope.

d. Review of the latest published version of the National Register shows that no presence of registered properties listed as being eligible for inclusion therein are in the permit area or general vicinity.

e. Coordination with the State Historic Preservation Officer and/or Tribal Historic Preservation Officer(s).

ENDANGERED SPECIES CONSULTATION

The Corps has reviewed the application for the potential impact on Federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act as amended. It

is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect a listed species or their critical habitat. We are coordinating with the National Marine Fisheries Service and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

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

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

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

COMMENTS

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Christina M. Comeau at (978) 318-8705, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

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

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

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Kevin R. Kotelly, P.E. // Chief, Permits and Enforcement Branch B Regulatory Division //

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at <u>bettina.m.chaisson@usace.army.mil</u>. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

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ADDRESS:	
PHONE:	

BOAT RAMP REPLACEMENT PROJECT

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		8	C-05	IMPROVEMENTS DREDGING PLAN	120
O West Beach		9	C-06	PARKING LOT IMPROVEMENTS PLAN	4
SITE	SECTIONS AND DETAILS	10	C-07	SUGGESTED PHASING PLAN	*
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		14	D-04	BOAT RAMP DETAILS	132
		15	D-05	FLOATING DOCK SECTIONS AND DETAILS - 1	-4-
		16	D-06	FLOATING DOCK SECTIONS AND DETAILS - 2	Sut
		17	D-07	JETTY REPAIRS PLAN AND SECTION	32
		18	D-08	EROSION AND SEDIMENTATION CONTROL DETAILS	4
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ABBREVIATIONS

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JBR No. DATE

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VERTICAL DATUM CONVERSION DIAGRAM

VERTICAL DATUM NOTES:

1. THE TIDAL DATA SHOWN WAS TAKEN FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ONLINE VERTICAL DATUM TRANSFORMATION PROGRAM, DETERMINED AT THE FOLLOWING LOCATION: LOCATION: Bridgeport, Connecticut LATITUDE: 41.175 N LONGITUDE: 73.183 W



SECTION / DETAIL

- SECTION/DETAIL NUMBER OR LETTER



DETAIL AND SECTION DESIGNATION

PERMIT SUBMISSION NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZE

	SHEET	2 OF 20
LEGEND AND	DWG No.	G-02
ABBREVIATIONS	DATE	JAN 2019
	PRO I No	18103 00

GENERAL NOTES:

- 1. THE UTILITY LOCATIONS SHOWN ON THESE DRAWINGS ARE CONSIDERED APPROXIMATE AND WERE OBTAINED FROM THE BEST INFORMATION AVAILABLE. THE ACTUAL LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL UTILITIES, GRADES, AND DIMENSIONS PRIOR TO STARTING WORK.
- 2. THE TOPOGRAPHIC AND BATHYMETRIC INFORMATION SHOWN ON THESE DRAWINGS IS BASED ON SITE SURVEYS COMPLETED BY RT GROUP, INC. (RTG) ON JULY 5, 2018, JULY 19, 2018, AND AUGUST 10, 2018. A PROPERTY LINE SURVEY WAS NOT PERFORMED BY RTG.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT "CALL BEFORE YOU DIG" (1-888-922-4455) A MINIMUM OF THREE (3) BUSINESS DAYS BEFORE COMMENCING WITH ANY EXCAVATION/GRADING, IN ORDER THAT ALL AFFECTED LITH ITY COMPANIES ARE NOTIFIED PRIOR TO STARING WORK.
- 4. CONSTRUCTION LIMITS COINCIDE WITHIN PROPERTY LINE LIMITS AS SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. SAFETY PROVISIONS SHALL COMPLY WITH OSHA AND OTHER APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- STANDARD SPECIFICATIONS, WHEN REFERENCED IN THESE DRAWINGS, SHALL MEAN THE CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2010 ED). PARTS OF THE STANDARD SPECIFICATIONS THAT ARE SPECIFICALLY REFERENCED SHALL BECOME PART OF THESE DRAWINGS AS THOUGH STATED HEREIN IN FULL. IN CASE OF A DISCREPANCY BETWEEN THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS STATED WITHIN THE DRAWINGS, THE REQUIREMENTS STATED WITHIN THE DRAWINGS SHALL PREVAIL.
- 7. THIS PROJECT IS OWNED AND FUNDED BY THE CITY OF STAMFORD (THE CITY). THEREFORE, SOME OF THE REFERENCES AND TERMINOLOGY OF THE STANDARD SPECIFICATIONS MAY SEEM OUT OF PLACE. THE OWNER IS THE CITY OF STAMFORD. THE ENGINEER FOR THIS PROJECT IS RT GROUP, INC. (RTG). THE CONNECTICUT DEPARTMENT OF TRANSPORTATION IS NOT A PARTY TO THE PROJECT.
- 8. THE CONTRACTOR SHALL MAINTAIN AND NOT HINDER ACCESS TO WEST BEACH AND THE FEDERAL CHANNEL DURING THE PERFORMANCE OF THIS WORK.
- WEST BEACH IS LOCATED WITHIN A FEMA FLOOD ZONE AE AND WILL BE INUNDATED DURING THE 100 YEAR FLOOD. THE 100 YEAR FLOOD ELEVATION IS ESTIMATED AT ABOUT 14.0 FEET NAVD '88 AS SHOWN ON THE FAIRFIELD COUNTY FLOOD INSURANCE RATE MAP (FIRM) NO. 09001C0517G, COMMUNITY PANEL NUMBER 0517G, REVISED DATE: JULY 8, 2013.
- 10. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE ORDERING ANY MATERIAL, COMMENCING ANY FABRICATION, OR PERFORMING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, OF ANY CONDITIONS OR DIMENSIONS WHICH VARY FROM THOSE SHOWN IN THE DRAWINGS AND INCORPORATE SUCH VARIATIONS IN THE CONSTRUCTION AS APPROVED BY THE ENGINEER
- 11. RIGHT-OF-WAY LINES, LEASE LINES, PROPERTY LINES, AND EASEMENT LINES, WHEN SHOWN ON THESE DRAWINGS, ARE CONSIDERED APPROXIMATE.

LAYOUT WORK:

- 1. THE HORIZONTAL CONTROL DATUM FOR THIS PROJECT IS NAD '83.
- 2. THE VERTICAL CONTROL DATUM FOR THIS PROJECT IS NAVD '88.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL LAYOUT WORK USING THE INFORMATION PROVIDED.

AVAILABLE SUBSURFACE INFORMATION:

- 1. IT IS INTENDED THAT SUBSURFACE INFORMATION, AS INCLUDED AND SHOWN IN THE CONTRACT DOCUMENTS, BE USED ONLY AS AN INDICATION OF POSSIBLE SUBSURFACE CONDITIONS, AND THAT UPON THE CONTRACTOR'S REVIEW, FURTHER SUBSURFACE EXPLORATIONS MAY BE WARRANTED. SUCH EXPLORATIONS SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- 2. THE CONTRACTOR SHALL USE THE SUBSURFACE INFORMATION SHOWN IN THE CONTRACT DOCUMENTS AT ITS OWN RISK AND SHALL COMPLETELY HOLD HARMLESS THE CITY AND RTG FROM ALL CONSEQUENCES AND/OR FAULT ARISING FROM ITS USE.

DESIGN CRITERIA:

BOAT RAMP/PARKING LOT IMPROVEMENTS

RT Group, Inc.

458 Grand Avenue, Suite 213

RONT - CONSTRUCTION ENGL

New Haven, Connecticut 06513

T 203 823 9932 F 401 294 9806

ERING - GEOTECHNICA

Engineered from the Ground Up^{SN}

- 1 THE PROPOSED BOAT RAMP PLANKS ARE RATED FOR HS-20 LOADING.
- THE PROPOSED BOAT RAMP AND PARKING LOT IMPROVEMENTS HAVE BEEN DESIGNED TO ACCOMMODATE MOTOR BOATS UP TO 35-FEET IN LENGTH, ON TRAILERS UP TO 40-FEET IN LENGTH, AND A TOW VEHICLE (FULL SIZE PICKUP TRUCK ASSUMED) UP TO 20-FEET IN LENGTH.

FLOATING DOCK

1. THE FLOATING DOCK HAS BEEN DESIGNED BASED ON THE FOLLOWING DESIGN CRITERIA:

CHK

APVD

A. THE FLOATING DOCK SHALL HAVE A MINIMUM FREEBOARD OF ABOUT 28 INCHES UNDER ITS SELF-WEIGHT AND ABOUT 16 INCHES UNDER ITS SELF-WEIGHT AND A LIVE LOAD OF 50 PSF.

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TIMBER GUIDE PILES

1. THE TIMBER GUIDE PILES HAVE BEEN DESIGNED ASSUMING THE FOLLOWING VESSEL COULD UTILIZE THE FLOATING

A. DESIGN VESSEL, L = 35', B = 13'

- WAVE FORCE = 2.0 KIPS (VESSEL MOORED BROADSIDE AND WAVE HEIGHT = 3')
- WIND FORCE = 2.0 KIPS (VESSEL MOORED BROADSIDE AND WIND VELOCITY = 50 MPH) IMPACT FORCE = 1.0 KIPS (VESSEL IMPACTS THE FLOATING DOCK AT MID-POINT AT 1 FPS)

THE ABOVE DESIGN VESSEL WILL TRANSFER AN ESTIMATED MAXIMUM LATERAL LOAD OF ABOUT 0.70 KIPS TO THE GUIDE PILES, ASSUMING A MINIMUM OF THREE (3) GUIDE PILES ARE ENGAGED UNDER ITEM

2. THE FLOATING DOCK SHALL BE DETACHED FROM THE GUIDE PILES AND MOVED TO AN UPLAND LOCATION BY THE CITY FOR CONDITIONS THAT PRODUCE LOADS GREATER THAN THOSE PRESENTED ABOVE, (E.G., SIGNIFICANT STORM EVENTS, HURRICANES, ETC.).

TIMBER JETTY REPAIRS

1. THE PROPOSED TIMBER JETTY REPAIRS ARE ASSUMED TO BE AN "IN-KIND" REPAIR DESIGNED TO MAINTAIN THE EXISTING FUNCTIONALITY OF THE TIMBER JETTY.

STRUCTURAL LUMBER:

1. ALL DECKING SHALL BE SOUTHERN YELLOW PINE, GRADE NO. 2 AND ALL STRINGERS AND BLOCKING SHALL BE SOUTHERN YELLOW PINE, GRADE NO. 1, CONFORMING TO THE FOLLOWING MINIMUM ALLOWABLE STRESSES IN ACCORDANCE WITH NDS

COMPONENT	EXTREME FIBER IN BENDING Fb (psi)	HORIZONTAL SHEAR Fy (psi)	COMPRESSION PERPENDICULAR TO GRAIN Fcl (psi)	COMPRESSION PARALLEL TO GRAIN Fo (psi)
DECKING	1,000	175	565	1,400
STRINGERS	1,050	175	565	1,450
BLOCKING	1,050	175	565	1,450

2. ALL TIMBER DIMENSIONS SHOWN ARE NOMINAL

- 3. ALL TIMBER MATERIAL IN CONTACT WITH THE WATER SHALL BE CCA TREATED TO 2.0 PCF (MIN). ALL TIMBER IN THE SPLASH ZONE (STRINGERS, BLOCKING, AND DECKING) SHALL BE CCA TREATED TO 0.60 PCF (MIN).
- 4. ALL PRESSURE TREATED TIMBER THAT HAS BEEN FIELD CUT, DRESSED, AND/OR DRILLED SHALL BE COATED WITH TWO (2) COATS OF COPPER NAPTHENATE PRESERVATIVE, INCLUDING THE ENDS OF ANY SPLICED SEGMENTS.

MISCELLANEOUS METALS:

- 1. ALL BOLTS USED IN TIMBER CONSTRUCTION SHALL BE HOT-DIPPED GALVANIZED, A307 GRADE A BOLTS. ALL THREADED ROD SHALL BE HOT-DIPPED GALVANIZED A36 STEEL.
- 2. ALL MISC. STEEL HARDWARE USED IN TIMBER CONSTRUCTION SHALL BE HOT-DIPPED GALVANIZED A36 STEEL (MIN).
- 3. DECK BOARD FASTENERS SHALL BE 4" STAINLESS STEEL DECK SCREWS (20D).

COORDINATION AND SITE CONDITIONS:

1. COORDINATE WITH THESE DRAWINGS AND SECTION 01040, COORDINATION AND SITE CONDITIONS.

PROJECT MEETINGS:

1. COORDINATE WITH THESE DRAWINGS AND SECTION 01200, PROJECT MEETINGS.

SUBMITTALS:

1. COORDINATE WITH THESE DRAWINGS AND SECTION 01340, SUBMITTALS.

OUALITY CONTROL:

1. COORDINATE WITH THESE DRAWINGS AND SECTION 01400, QUALITY CONTROL.

TEMPORARY CONSTRUCTION FACILITIES:

1. COORDINATE WITH THESE DRAWINGS AND SECTION 01500, TEMPORARY CONSTRUCTION FACILITIES.

BY ADVI

BAR IS ONE INCH ON

ORIGINAL DRAWING.

IF NOT ONE INCH ON THIS

SHEET, ADJUST SCALES

ACCORDINGLY

TEMPORARY UTILITIES:

1. COORDINATE WITH THESE DRAWINGS AND SECTION 01510, TEMPORARY UTILITIES.

TEMPORARY CONTROLS:

BOAT RAMP REPLACEMENT
PROJECT
WEST BEACH
CITY OF STAMFORD
Stamford, Connecticut

- PROJECT RECORD DOCUMENTS:
- MOBILIZATION/DEMOBILIZATION:
- DEMOLITION AND REMOVAL
- EARTHWORK
- WORK AREA IS THE CONTRACTOR'S RESPONSIBILITY.

DREDGING AND DISPOSAL OF MATERIAL:

- EROSION AND SEDIMENT CONTROL:

- TEMPORARY EARTH RETAINING SYSTEMS AND COFFERDAMS:

TIMBER GUIDE PILES:

DEWATERING, CONTROL, AND DIVERSION OF WATER:

- COMPLETED IN THE "DRY".

BITUMINOUS CONCRETE PAVEMENT:

LAWNS AND LANDSCAPING:

REINFORCING STEEL

CAST-IN-PLACE CONCRETE:

PRECAST CONCRETE STRUCTURES:

STOCKPILE MANAGEMENT

- TEMPORARY CONTAINMENT FACILITY.
- INSTALLATION OF HAY BALES OR SILT FENCE.
- REUSE.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 01560, TEMPORARY CONTROLS.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 01720, PROJECT RECORD DOCUMENTS.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02005, MOBILIZATION/DEMOBILIZATION.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02050, DEMOLITION AND REMOVAL.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02200, EARTHWORK.

2. THE FINAL SLOPE GEOMETRY AND THE PROTECTION OF EXISTING STRUCTURES AND UTILITIES ADJACENT TO THE

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1. COORDINATE WITH THESE DRAWINGS AND SECTION 02203, DREDGING AND DISPOSAL OF MATERIAL.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02270, EROSION AND SEDIMENT CONTROL

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02300, TEMPORARY EARTH RETAINING SYSTEMS AND COFFERDAMS.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02368, TIMBER GUIDE PILES.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02400, DEWATERING, CONTROL, AND DIVERSION OF WATER.

2. CONSTRUCTION OF THE BOAT RAMP, INCLUDING THE PLACEMENT OF ALL EARTH AND STONE MATERIALS, SHALL BE

DEWATERING PUMPS SHALL BE MULTIQUIP ST3020BCUL 170 GPM ELECTRIC SUBMERSIBLE WATER PUMP OR APPROVED EQUAL, ALL PUMPS SHALL BE CAPABLE OF DRY RUNNING.

4. DISCHARGE LINES SHALL BE APACHE 3" PVC LAY FLAT HOSES OR APPROVED EQUAL

5. THE CONTRACTOR SHALL ROUTE ALL PUMPED WATER TO DEWATERING BASINS OR OTHER SUITABLE DEVICES (E.G., DEWATERING BAGS) PRIOR TO ALLOWING THE PUMPED WATER TO OVER LAND FLOW.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02512, BITUMINOUS CONCRETE PAVEMENT.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 02900, LAWNS AND LANDSCAPING.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 03200, REINFORCING STEEL.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 03310, CONCRETE.

1. COORDINATE WITH THESE DRAWINGS AND SECTION 03399, PRECAST CONCRETE STRUCTURES.

1. EXCAVATED MATERIAL GENERATED DURING THE EXECUTION OF THIS WORK SHALL BE STOCKPILED WITHIN THE

THE CONTRACTOR SHALL MAINTAIN STOCKPILES AND THE AREAS AROUND THEM GRADED TO DRAIN AND TAKE ALL NECESSARY PRECAUTIONS TO MINIMIZE EROSION FROM THE STOCKPILES INCLUDING BUT NOT LIMITED TO THE

3. SOIL MATERIAL THAT MEETS THE SPECIFIED GRADATION REQUIREMENTS UNDER EARTHWORK, MAY BE STOCKPILED FOR

EXCESS EARTH MATERIAL, INCLUDING DEMOLITION DEBRIS, THAT DOES NOT MEET THE SPECIFIED GRADATION REQUIREMENTS AND/OR EXCAVATED MATERIAL IN EXCESS OF THAT REQUIRED FOR COMPLETING THIS PROJECT SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

	SHEET	3 OF 20
CENERAL NOTES	DWG No.	G-03
GENERAL NOTES	DATE	JAN 2019
	PROJ No.	18103.00





TIDA	L WETLANDS PLANT SPECIES LEGEND		
IFIC NAME	COMMON NAME	ABBREVIATION	SYMBOL
JTESCENS	HIGH-TIDE BUSH	IF	all as
A PATENS	SALT HAY	SP	
LTERNIFLORA	SALT-WATER CORDGRASS	SA	
UM NASHII	SEA LAVENDER	LN	
RUGOSA	BEACH ROSE	RR	TITA
BREVILIGULATA	AMERICAN BEACH GRASS	AB	

IXIMATE LIMITS	EDERAL CHANNEL
TG-5-05	

PERMIT SUBMISSION NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZE

	SHEET	4A OF 20
EXISTING WETLANDS AND SAV	DWG No.	C-01A
SURVEY PLAN	DATE	JAN 2019
	PRO I No.	18103.00







PROPOSED IMPROVEMENTS DREDGING FEDERAL CHA RTG-S-01 TCONCRETE ZXKS DSED GROUTED RIPRAP R PROTECTION APRON RTG-SB-02 TEMPORARY COFFERDAM, SEE NOTES 1 THROUGH 3 OF SHEET 6 2+00	NNEL
PERMIT SUB/ NOT FOR CONS	WISSION TRUCTION
BOAT RAMP PLAN	THALF SIZE SHEET 7 OF 20 DWG No. C-04 DATE JAN 2019 PROJ No. 18103.00









PERMIT SUBMISSION NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZE

	SHEET	13 OF 20
IMPROVEMENTS DREDGING SECTIONS	DWG No.	D-03
	DATE	JAN 2019
	PROJ No.	18103.00

PROPOSED GROUTED RIPRAP SCOUR PROTECTION APRON LL11.0 10 10 10 10 10 10 10 10 10	d ₈₅ S			
N A μ μ	PROPOSED GROUTED RIPRAP SCOUR PROTECTION APRON	И	4	
DI SHALL BE 24" FLAT LAID STONES.				
The second secon			2'-0"	
COMPACTED SUBGRADE (TYP.) DN SHALL BE 24" FLAT LAID STONES. AIL 2 12-D-02 PERMIT SUBMISSION NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZE BOAT RAMP DETAILS SHEET 14 OF 20 DWG No. D-04 DATE JAN 2019 PROJ No. 18103.00	12" GEOTEXTILE WRAPPED BEDDING STONE II		1'-0" 	
PERMIT SUBMISSION NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZE BOAT RAMP DETAILS SHEET 14 OF 20 DWG No. DATE JAN 2019 PROJ No. PROJ NO. 18103.00	(TYP.)	JNAUL		
PERMIT SUBMISSION NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZEBOAT RAMP DETAILSSHEET14 OF 20DWG NO.D-04DATEJAN 2019PROJ NO.18103.00	Z Z 1"=1'-0" 12-D-02			
NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZEBOAT RAMP DETAILSBOAT RAMP DETAILSSHEET14 OF 20DWG NO.DWG NO.DATEJAN 2019PROJ NO.18103.00	PERMIT SUBMISSION			
SHEET 14 OF 20 DWG No. D-04 DATE JAN 2019 PROJ No. 18103.00	NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZE			
BOAT RAMP DETAILS DWG No. D-04 DATE JAN 2019 PROJ No. 18103.00		SHEET	14 OF 20	
DATE JAN 2019 PROJ No. 18103.00	BOAT RAMP DETAILS	DWG No.	D-04	
PROJ No. 18103.00		DATE	JAN 2019	
		PKUJ NO.	18103.00	

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JBR No. DATE

PERMIT SUBMISSION NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZE

15 OF 20

D-05 JAN 2019 PROJ No. 18103.00

NOTES:

- 1. FLOATING DOCK HARDWARE BY FOLLANSBEEDOCKS.COM OR APPROVED EQUAL.
- 2. PILE GUIDES, CLEATS, AND BUMPERS BY MERCOMARINE.COM AND CUSTOMFLOAT.COM OR APPROVED EQUAL.
- 3. 2x6 PT TIMBER DECKING AND 2x6 PT FLOAT ATTACHMENT BOARDS NOT SHOWN ON FRAMING PLAN FOR CLARITY.
- 4. POLYETHYLENE FLOAT DRUMS BY PERMAFLOATS.COM, MODEL NO. DF-C-48072-24, OR APPROVED EQUAL.

PERMIT SUBMISSION NOT FOR CONSTRUCTION THIS DRAWING IS HALF SIZE

SHEET

16 OF 20

FLOATING DOCK SECTIONS	DWG No.	D-06
AND DETAILS - 2	DATE	JAN 2019
	PROJ No.	18103.00

PROJ No.

18103.00

GUIDE PILE INSTALLATION SCHEDULE						
PILE	CUTOFF EL. (FT)	APPROXIMATE MUDLINE EL. (FT)	TIP EL. (FT)	MIN. EMBEDMENT (FT)	MIN. FREE LENGTH (FT)	TOTAL EST. PILE LENGTH (FT)
1	17.0	2.5	-43	45.5	14.5	60
2	17.0	1.0	-43	44.0	16.0	60
3	17.0	-2.5	-43	40.5	19.5	60
4	17.0	-6.0	-43	37.0	23.0	60
5	17.0	-10.0	-43	33.0	27.0	60
6	17.0	-8.0	-43	35.0	25.0	60
7	17.0	-10.0	-43	33.0	27.0	60
8	17.0	-3.0	-43	46.0	14.0	60
9	17.0	0.0	-43	53.0	7.0	60
10	17.0	-3.0	-43	40.0	20.0	60
11	17.0	-6.0	-43	37.0	23.0	60
12	17.0	-9.0	-43	34.0	26.0	60
13	17.0	-9.0	-43	34.0	26.0	60
14	17.0	-9.0	-43	34.0	26.0	60

WEST BEACH SAND BACK PASSING PLAN STAMFORD, CT CITY OF STAMFORD Stamford, Connecticut

FIGURE 1 VICINITY MAP SHEET <u>1</u> of <u>4</u> DATE FEB 2019 PROJ No. 18103.00

