



That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to 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, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers 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. Any comments received will be considered by the Corps of Engineers 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.

**ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND MAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE; otherwise, it will be presumed that there are no objections to the activity.**

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. Comments provided will become part of the public record for this permit application. All written comments, including contact information, will be made a part of the administrative record, available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof, may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any person may request, by writing to the District Engineer before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by mail is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

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.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally-endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical 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).

The dredging portion of this project will impact approximately 103,000-square feet of Essential Fish Habitat (EFH) for the attached list of species and their life stages. Habitat at this site can be described as silty mud interspersed with sand. Loss of this habitat may adversely affect any of the attached list of species. 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.

Dredged material disposal is proposed for the Western Long Island Sound Disposal Site (WLDS). This is an open water site, which provides Essential Fish Habitat for the list of species and their life stages as shown on the attached table. Habitat at this site can be described as sand and silt. Loss of this habitat may adversely affect any of the species listed on the attached sheet. 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.

Based upon a review of the latest published version of the National Register of Historic Places, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archaeological, scientific, or historical data may be lost by work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will 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 the applicant will obtain water quality certificates or waivers from the appropriate state agencies in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307(c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456(c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, approved state coastal zone management programs. By this public notice, we are requesting states concurrence with, objection to, or waiver of, the applicant's certification. No permit decision will be made until one of these actions occur.

For activities within the coastal zone of New York State, the applicant's certification and accompanying information is available from the Consistency Coordinator, New York State Department of State, Division of Coastal Resources and Waterfront Revitalization, Coastal Zone Management Program, One Commerce Plaza, 99 Washington Avenue, Albany, New York 12231, Telephone (518) 474-6000. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

The Connecticut Department of Environmental Protection, Office of Long Island Sound Programs, will review the applicant's dredged material placement proposal for consistency with Connecticut's water quality standards. Subsequent issuance of the Section 401 Water Quality Certificate from the state agency will indicate concurrence with the coastal area management plan.

Barge overflow of dredged material will not occur during the dredging of this proposed project, therefore, the only Section 404 activity involved in this application is the placement of the dredged material at the WLDS.

Comments related to water quality issues should be submitted both to this office and to the Connecticut Department of Environmental Protection, Land and Water Resources Division, 79 Elm Street, Hartford, Connecticut 06106-5127. For more information about the water quality certification, please contact Connecticut's Office of Long Island Sound Programs at (860) 424-3019.

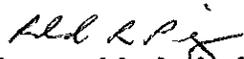
In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

**Protection of Waters Permit from New York State Department of Environmental Conservation**

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8715 and ask for Dr. Stephen Knowles, or email [Stephen.C.Knowles@usace.army.mil](mailto:Stephen.C.Knowles@usace.army.mil).

In order for us to better serve you, please complete our Customer Service Survey at <http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>.

For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>.

  
**For and in behalf of**

Stephan A. Ryba  
Chief, Regulatory Branch

Enclosures

## WORK DESCRIPTION

The applicants, Ludvipol LLC and Ruediger Flik, have requested Department of the Army authorization to perform dredging within two mooring areas and the entrance channel connecting with the Mamaroneck Harbor Federal navigation channel in the town of Mamaroneck, Westchester County, New York, with open-water disposal of the dredged material at the Western Long Island Sound Disposal Site (WLDS).

The proposed work involves mechanical dredging of approximately 14,000 cubic yards of material from an area of approximately 103,000 square feet to depths ranging from 6-feet to 8-feet below the plane of Mean Low Water (MLW), with two feet of allowable overdepth dredging. Of the 14,000 cubic yards to be authorized for dredging, approximately 7,400 cubic yards is maintenance material and approximately 6,600 cubic yards is from new dredging. The project footprint is divided into eight different sections (Table 1 and Drawings 4 through 6 of 12). All dredged material is proposed for deposition in dump scows for transport and open-water placement at the WLDS.

The stated purpose of this project is to provide adequate navigation depths at two mooring areas and provide safe navigation through the entrance channel.

The applicant has stated that they have avoided, minimized, and mitigated for potential impacts, to the maximum extent practicable, by limiting the dredging area to the minimum area required for safe and reasonable navigation. Any potential impacts would be temporary and would be offset by implementing best management practices associated with the proposed dredging equipment and open-water dredged material placement.

### Sampling and Testing:

Based on an evaluation of the data that characterize the material proposed to be dredged, the applicant has sampled and tested the areas to be dredged. The Corps of Engineers finds that the data provided sufficient information to satisfy the evaluation and testing requirements of the appropriate regulations. The Corps finds that placement at the WLDS would be suitable.

The dredged material has undergone physical and chemical analysis and has satisfied Part 227.13(b) of exclusionary criteria of the Ocean Dumping Act regulations regarding biological testing. It is our preliminary determination that the material is acceptable for disposal at this disposal site.

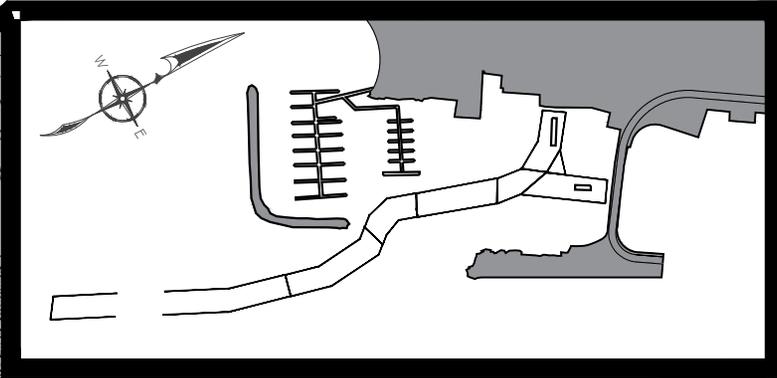
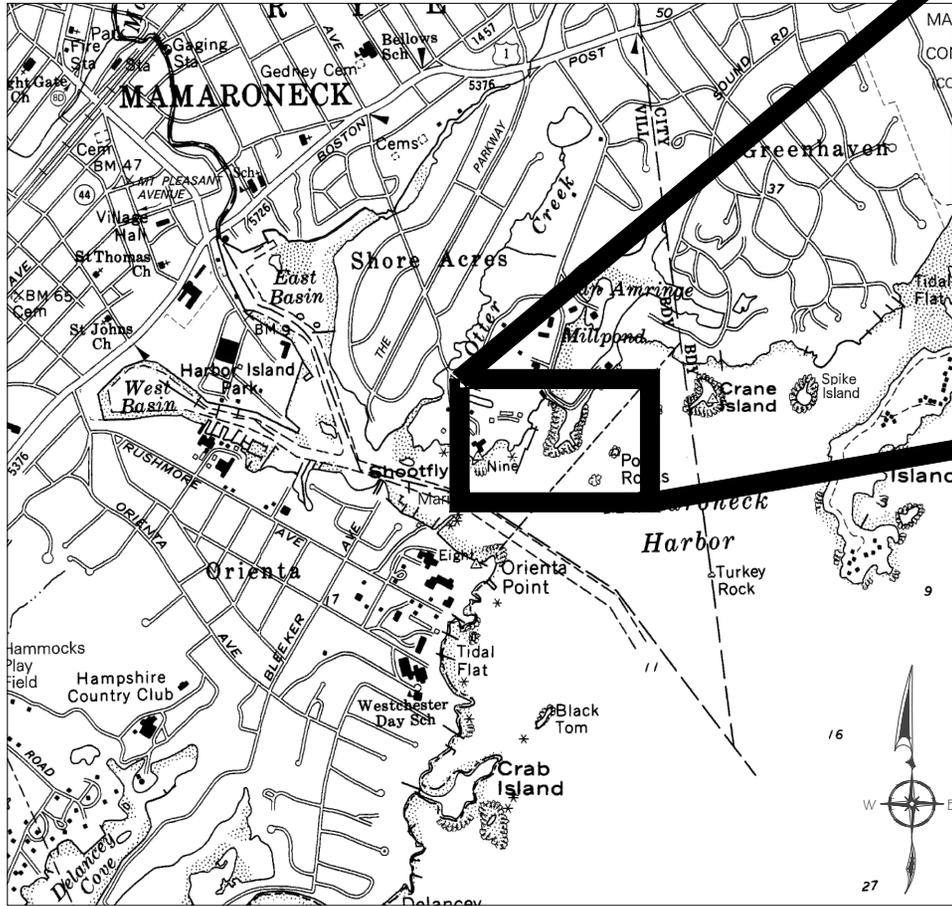
CENAN-OP-RE  
 PUBLIC NOTICE NUMBER: NAN-2017-01067-EKN

Table 1. Dredging Volume Estimates

REVISED DREDGING VOLUME ESTIMATES									
DREDGE BOX I.D.	G1	G#F1a	F1	C1	C2	C3	C4	C5	TOTAL
SQUARE FOOTAGE	9,775	1,509	11,545	6,099	12,957	9,011	15,557	36,007	102,461
DREDGE TO -6' (CY)	1,051	166	1,416	512	x	x	x	x	3,146
DREDGE TO -8' (CY)	x	x	x	x	1,418	669	889	376	3,351
2' OVERDEPTH (CY)	724	112	855	452	960	668	1,152	2,514	7,437
TOTAL CUBIC YARDS	1,775	278	2,271	964	2,377	1,337	2,041	2,890	13,934
TOTAL MAINTENANCE DREDGING (CY)	1,775	x	2,271	964	2,377	x	x	x	7,388
TOTAL NEW DREDGING (CY)	x	278	x	x	x	1,337	2,041	2,890	6,546

# USACE FILE: NAN-2017-01067-EKN (Drawing 1 of 12)

FOR REGULATORY APPROVALS



## DRAWING INDEX:

- SD-01a - VICINITY MAP AND DRAWING INDEX
- SD-01b - NOTES AND DATUMS
- SD-02a - PROPOSED CONDITIONS PLAN SHEET 1
- SD-02b - PROPOSED CONDITIONS PLAN SHEET 2
- SD-02c - PROPOSED CONDITIONS PLAN SHEET 3
- SD-03a - DREDGING SECTIONS
- SD-03b - DREDGING SECTIONS
- SD-04a - DREDGING SECTIONS
- SD-04b - DREDGING SECTIONS
- SD-05a - DREDGING SECTIONS
- SD-05b - DREDGING SECTIONS



CLIENTS: LUDVIPOL, LLC &  
**RUEDIGER FLIK**  
 Situate at  
 610 S. BARRY AVENUE, QO 710 TAYLORS LANE  
 &  
 BION ISLAND - 835 TAYLORS LANE  
 VILLAGE OF MAMARONECK, TOWN OF RYE  
 COUNTY OF WESTCHESTER, STATE OF NEW YORK  
 LONG ISLAND SOUND

SHEET PREPARED BY:  
**MICHAEL J. QUADAGNO, P.E.**

ENVIRONMENTAL WATERFRONT DESIGN CONSULTANT:  
**DANIEL S. NATCHEZ and ASSOCIATES, Inc.**  
 916 EAST BOSTON POST ROAD  
 MAMARONECK, N.Y. 10543-4109  
 tel: 914.698.5678 WWW.DSNAINC.COM  
 fax: 914.698.7321

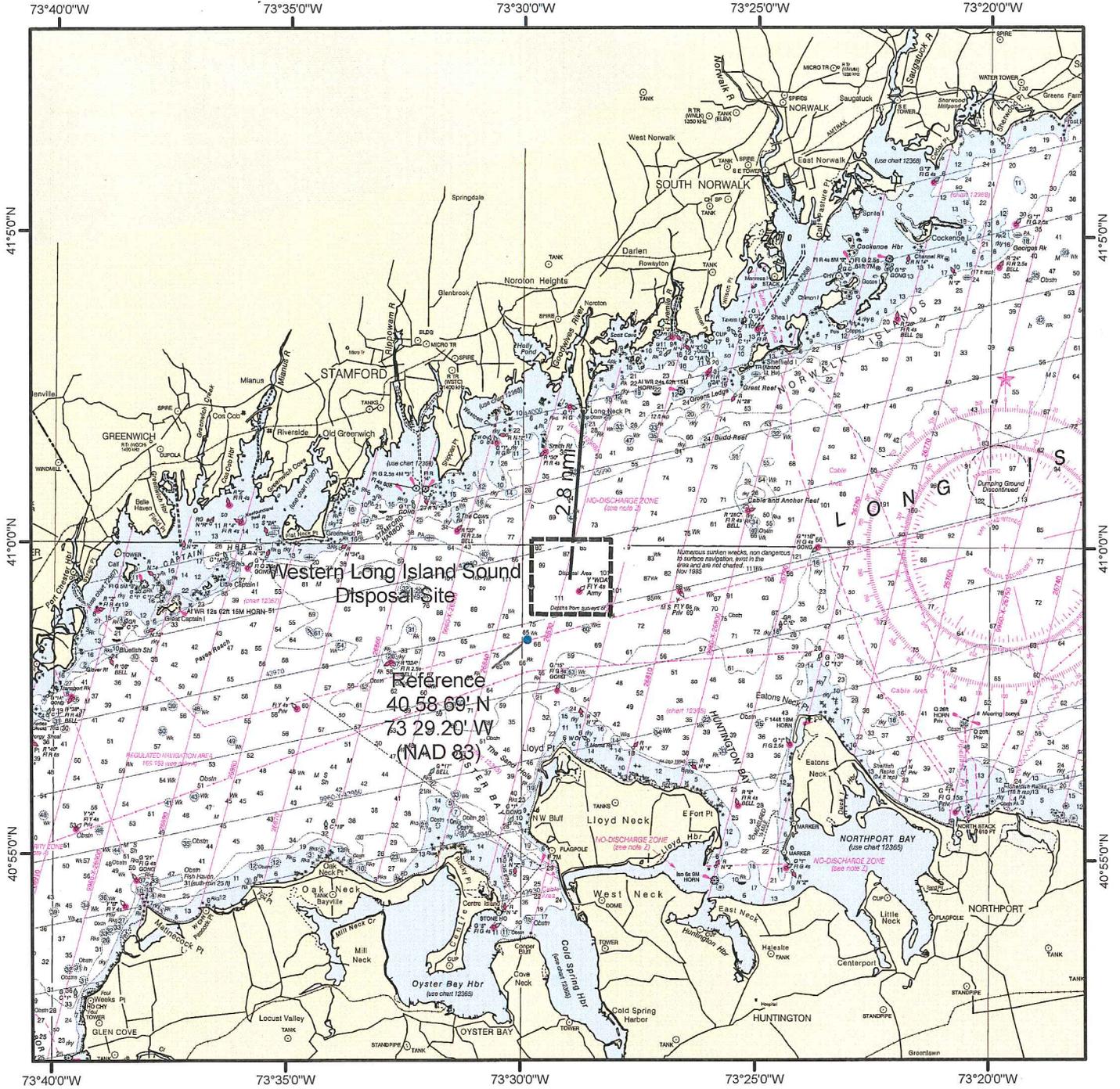
DRAWING TITLE:  
**VICINITY MAP  
 AND DRAWING  
 INDEX**

DATE: 06/01/2018  
 REVISIONS:  
 09/13/2018 - SCALE ADJUSTMENTS  
 11/20/2018 - REVISIONS PER DFC  
 12/17/2018 - ADDED CHINA LINE PER DFC  
 01/24/2019 - NORTH ARROW CORRECTION

SCALE: as shown  
 PREPARED BY:  
 MICHAEL J. QUADAGNO,  
 P.E.  
 CHECKED BY: MJQ  
 CADD BY: TJF & ST

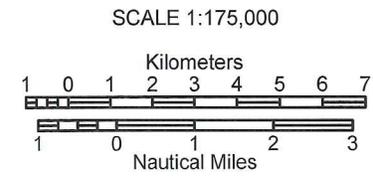
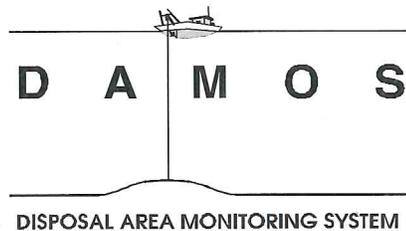
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**SD-01a**

# USACE FILE: NAN-2017-01067-EKN (Drawing 2 of 12)

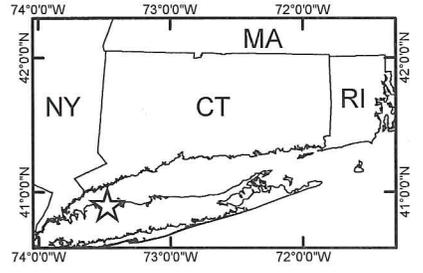


## WESTERN LONG ISLAND SOUND DISPOSAL SITE

Description: The Western Long Island Sound Disposal Site (WLDS) is located 2.8 nmi (5.1 km) south of Long Neck Point, Noroton, Connecticut between three historic dredged material disposal sites (Stamford, South Norwalk, and Eaton's Neck). It is a site centered at 40° 59.500' N, 73° 28.950' W (NAD 83). The authorized disposal point (within the overall disposal area) is specified for each dredging project in other project documents.



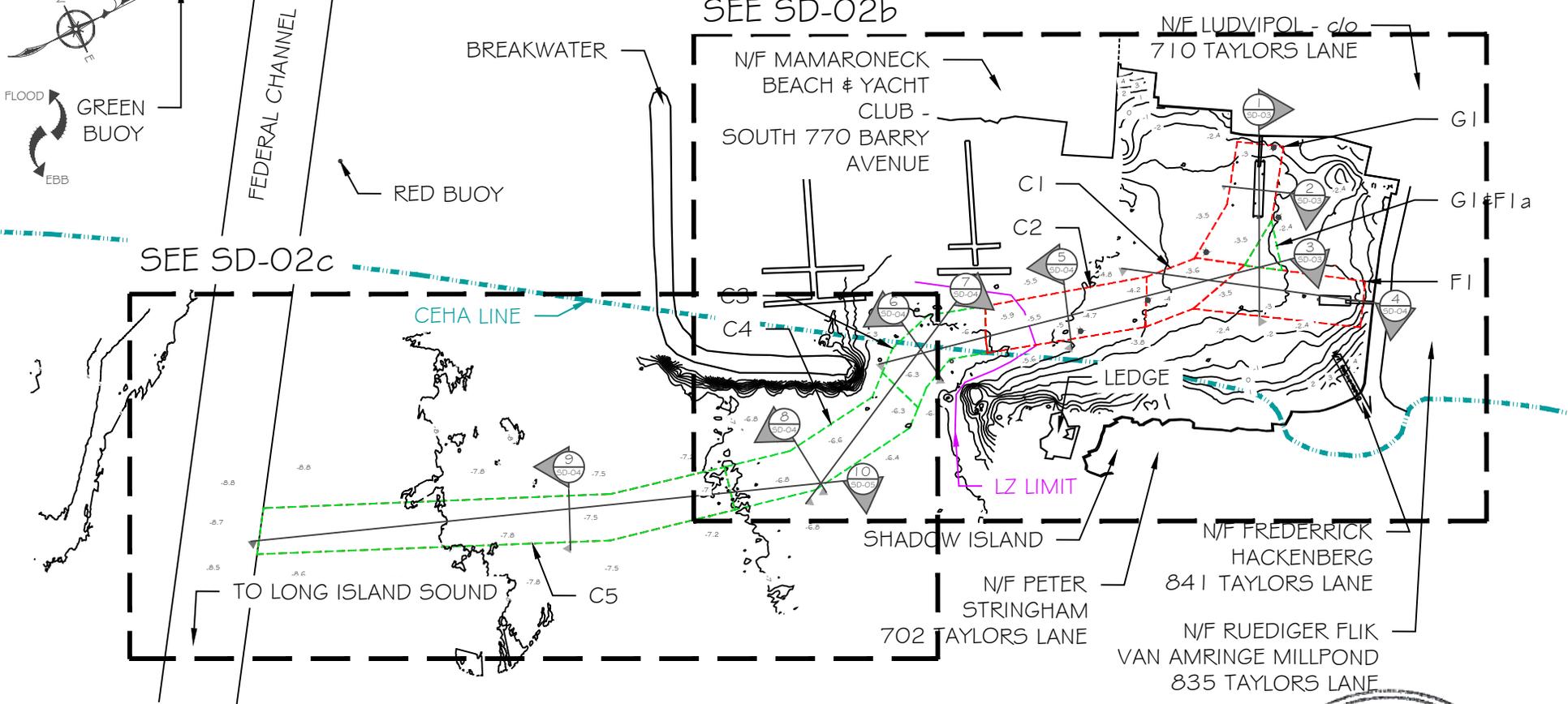
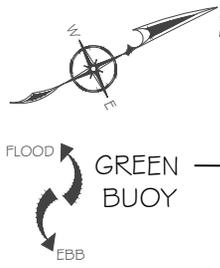
NOTE: This chart is not intended for use in navigation.





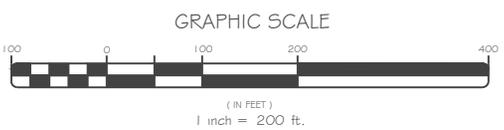
# USACE FILE: NAN-2017-01067-EKN (Drawing 4 of 12)

FOR REGULATORY APPROVALS



● = ACTUAL CORE SAMPLE LOCATIONS PER SUITABILITY DETERMINATION NAE - 2017-01988 DATED 21 FEB. 2018

- NOTES:
1. MAINTENANCE DREDGING (IN RED) IS THE AREA THAT WAS PREVIOUSLY APPROVED AND DREDGED IN 1998-2001.
  2. \*\*NEW DREDGING (IN GREEN) IS THE AREA THAT IS NOT BELIEVED TO HAVE BEEN RECENTLY PERMITTED OR DREDGED.
  3. LZ LIMIT IS THE EDGE OF THE LITTORAL ZONE.
  4. CEHA LINE IS THE COASTAL EROSION HAZARD AREA LINE.

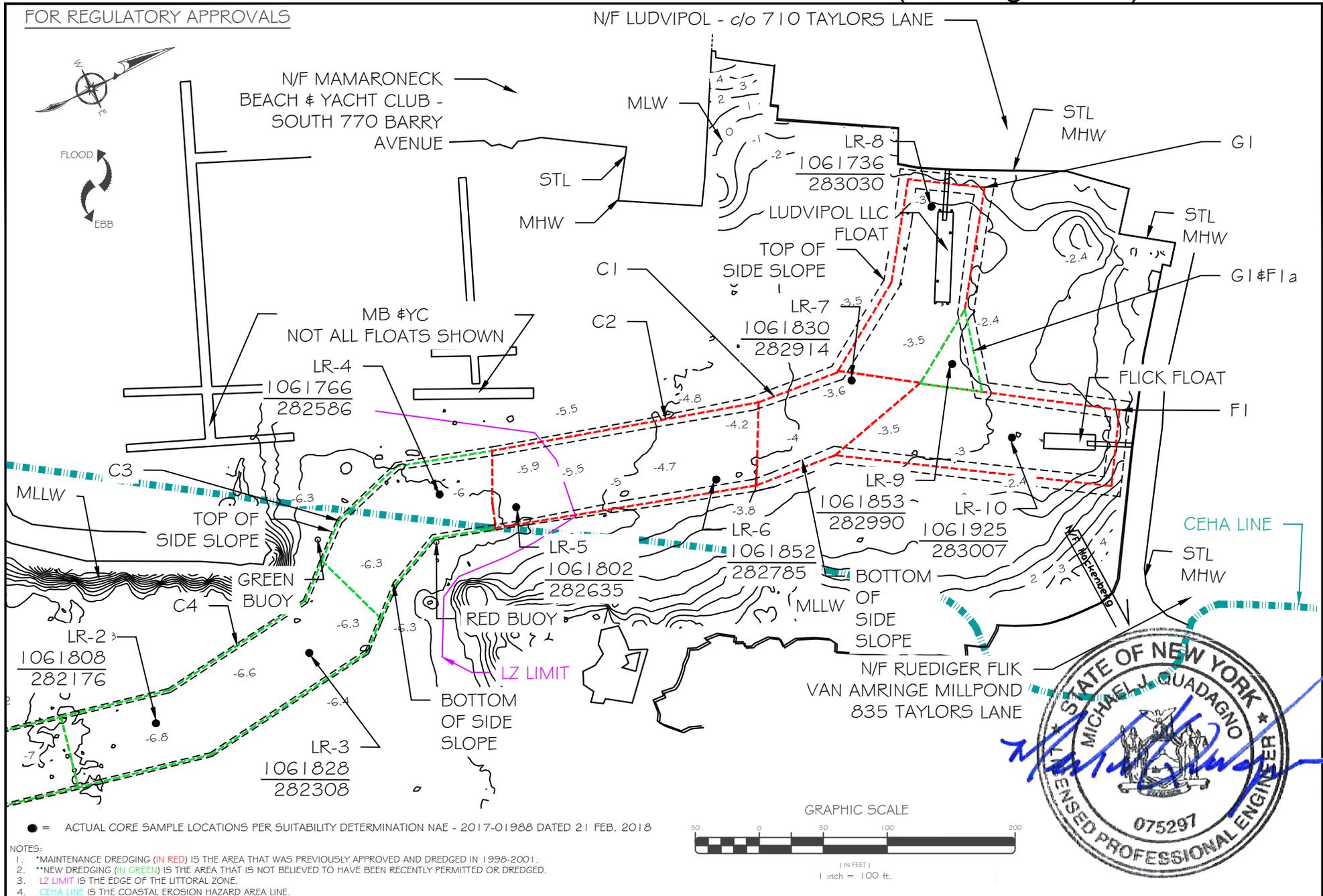


CLIENTS: LUDVIPOL, LLC & RUEDIGER FLIK Situate at: 610 S. BARRY AVENUE, C/O 710 TAYLORS LANE BION ISLAND - 835 TAYLORS LANE VILLAGE OF MAMARONECK, TOWN OF RYE COUNTY OF WESTCHESTER, STATE OF NEW YORK LONG ISLAND SOUND	SHEET PREPARED BY: <b>MICHAEL J. QUADAGNO, P.E.</b>	ENVIRONMENTAL WATERFRONT DESIGN CONSULTANT: DANIEL S. NATCHEZ and ASSOCIATES, Inc. 916 EAST BOSTON POST ROAD MAMARONECK, N.Y. 10543-4109 tel:914.698.5678 WWW.DSNAINC.COM fax:914.698.7321	DRAWING TITLE: <b>PROPOSED                  CONDITIONS                  PLAN - SHEET 1</b>	DATE: 06/01/2018 REVISIONS: 09/13/2018 - SCALE ADJUSTMENTS 11/20/2018 - REVISIONS PER DEC 12/17/2018 - ADDED CEHA LINE PER DEC 01/24/2019 - NORTH ARROW CORRECTION	SCALE: as shown PREPARED BY: MICHAEL J. QUADAGNO, P.E. CHECKED BY: MJQ CADD BY: TJF & ST	SHEET: <b>SD-02a</b>
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# USACE FILE: NAN-2017-01067-EKN (Drawing 5 of 12)

FOR REGULATORY APPROVALS



● = ACTUAL CORE SAMPLE LOCATIONS PER SUITABILITY DETERMINATION NAE - 2017-01988 DATED 21 FEB. 2018

- NOTES:
- \*MAINTENANCE DREDGING (IN RED) IS THE AREA THAT WAS PREVIOUSLY APPROVED AND DREDGED IN 1998-2001.
  - \*\*NEW DREDGING (IN GREEN) IS THE AREA THAT IS NOT BELIEVED TO HAVE BEEN RECENTLY PERMITTED OR DREDGED.
  - LZ LIMIT IS THE EDGE OF THE LITTORAL ZONE.
  - CEHA LINE IS THE COASTAL EROSION HAZARD AREA LINE.

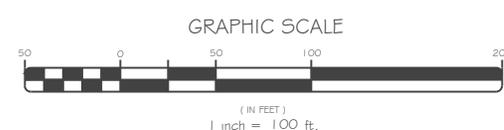
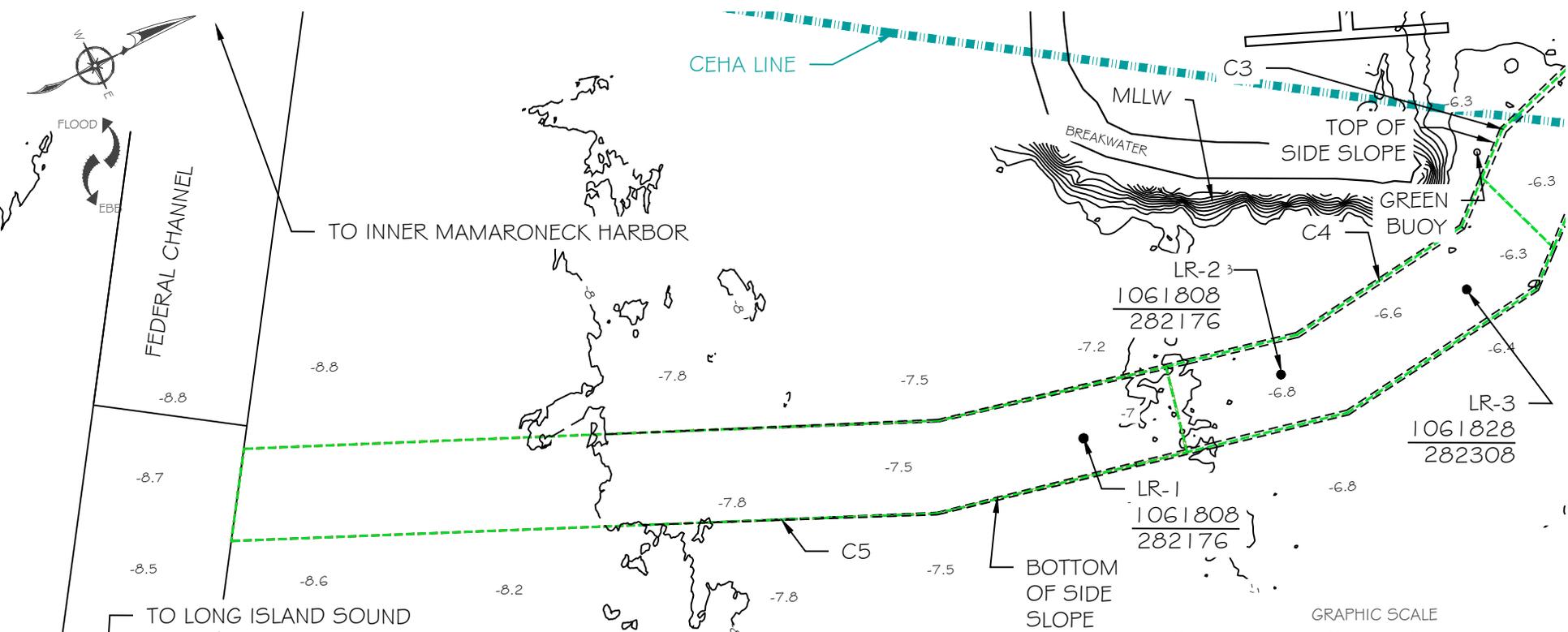


<p>CLIENTS: LUDVIPOL, LLC &amp; RUEDIGER FLIK          Situate at:          610 S. BARRY AVENUE, C/O 710 TAYLORS LANE          BION ISLAND - 835 TAYLORS LANE          VILLAGE OF MAMARONECK, TOWN OF RYE          COUNTY OF WESTCHESTER, STATE OF NEW YORK          LONG ISLAND SOUND</p>	<p>SHEET PREPARED BY:  <b>MICHAEL J. QUADAGNO, P.E.</b></p>	<p>ENVIRONMENTAL WATERFRONT DESIGN CONSULTANT:  <b>DANIEL S. NATCHEZ and ASSOCIATES, Inc.</b>          916 EAST BOSTON POST ROAD          MAMARONECK, N.Y. 10543-4109          tel: 914.698.5678 www.DSNAINC.COM          fax: 914.698.7321</p>	<p>DRAWING TITLE:  <b>PROPOSED CONDITIONS PLAN- SHEET 2</b></p>	<p>DATE: 06/01/2018          REVISIONS:          09/13/2018 - SCALE ADJUSTMENTS          11/20/2018 - REVISIONS PER DEC          12/17/2018 - ADDED CEHA LINE PER DEC          01/24/2019 - NORTH ARROW CORRECTION</p>	<p>SCALE: as shown          PREPARED BY:          MICHAEL J. QUADAGNO, P.E.          CHECKED BY: MJQ          CADD BY: TJF &amp; ST</p>	<p>SHEET:  <b>SD-02b</b></p>
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# USACE FILE: NAN-2017-01067-EKN (Drawing 6 of 12)

FOR REGULATORY APPROVALS



DREDGING VOLUME ESTIMATES									
	Ludvipol	Lud.#Flik	Flik	Common Fairway		Fairway to Federal Channel			
	G1*	G#F1a**	F1*	C1*	C2*	C3**	C4**	C5**	TOTAL
SQUARE FOOTAGE	9,775	1,509	11,545	6,099	12,957	9,011	15,557	36,007	102,461
DREDGE TO -6' (CY)	1,051	166	1,416	512	x	x	x	x	3,146
DREDGE TO -8' (CY)	x	x	x	x	1,418	669	889	376	3,351
2' OVERDEPTH (CY)	724	112	855	452	960	668	1,152	2,514	7,437
TOTAL CUBIC YARDS	1,775	278	2,271	964	2,378	1,337	2,041	2,890	13,934
TOTAL MAINTENANCE* DREDGING (CY)	1,775	x	2,271	964	2,378	x	x	x	7,388
TOTAL NEW** DREDGING (CY)	x	278	x	x	x	1,337	2,041	2,890	6,546

- NOTES:
- VALUES IN THE LEFT TABLE ARE ROUNDED TO THE NEAREST WHOLE INTEGER.
  - \*MAINTENANCE DREDGING (IN RED) IS THE AREA THAT WAS PREVIOUSLY APPROVED AND DREDGED IN 1998-2001.
  - \*\*NEW DREDGING (IN GREEN) IS THE AREA THAT IS NOT BELIEVED TO HAVE BEEN RECENTLY PERMITTED OR DREDGED.
  - LZ LIMIT IS THE EDGE OF THE LITTORAL ZONE.
  - CEHA LINE IS THE COASTAL EROSION HAZARD AREA LINE.



CLIENTS: LUDVIPOL, LLC & RUEDIGER FLIK  
 Situate at:  
 610 S. BARRY AVENUE, C/O 710 TAYLORS LANE  
 BION ISLAND - 835 TAYLORS LANE  
 VILLAGE OF MAMARONECK, TOWN OF RYE  
 COUNTY OF WESTCHESTER, STATE OF NEW YORK  
 LONG ISLAND SOUND

SHEET PREPARED BY:  
MICHAEL J. QUADAGNO, P.E.

ENVIRONMENTAL WATERFRONT DESIGN CONSULTANT:  
 DANIEL S. NATCHEZ and ASSOCIATES, Inc.  
 916 EAST BOSTON POST ROAD  
 MAMARONECK, N.Y. 10543-4109  
 tel:914.698.5678 WWW.DSNAINC.COM  
 fax:914.698.7321

DRAWING TITLE:  
**PROPOSED  
 CONDITIONS  
 PLAN- SHEET 3**

DATE: 06/01/2018  
 REVISIONS:  
 09/13/2018 - SCALE ADJUSTMENTS  
 11/20/2018 - REVISIONS PER DEC  
 02/17/2019 - ADDRD CEHA LINE PER DEC  
 01/24/2019 - NORTH ARROW CORRECTION

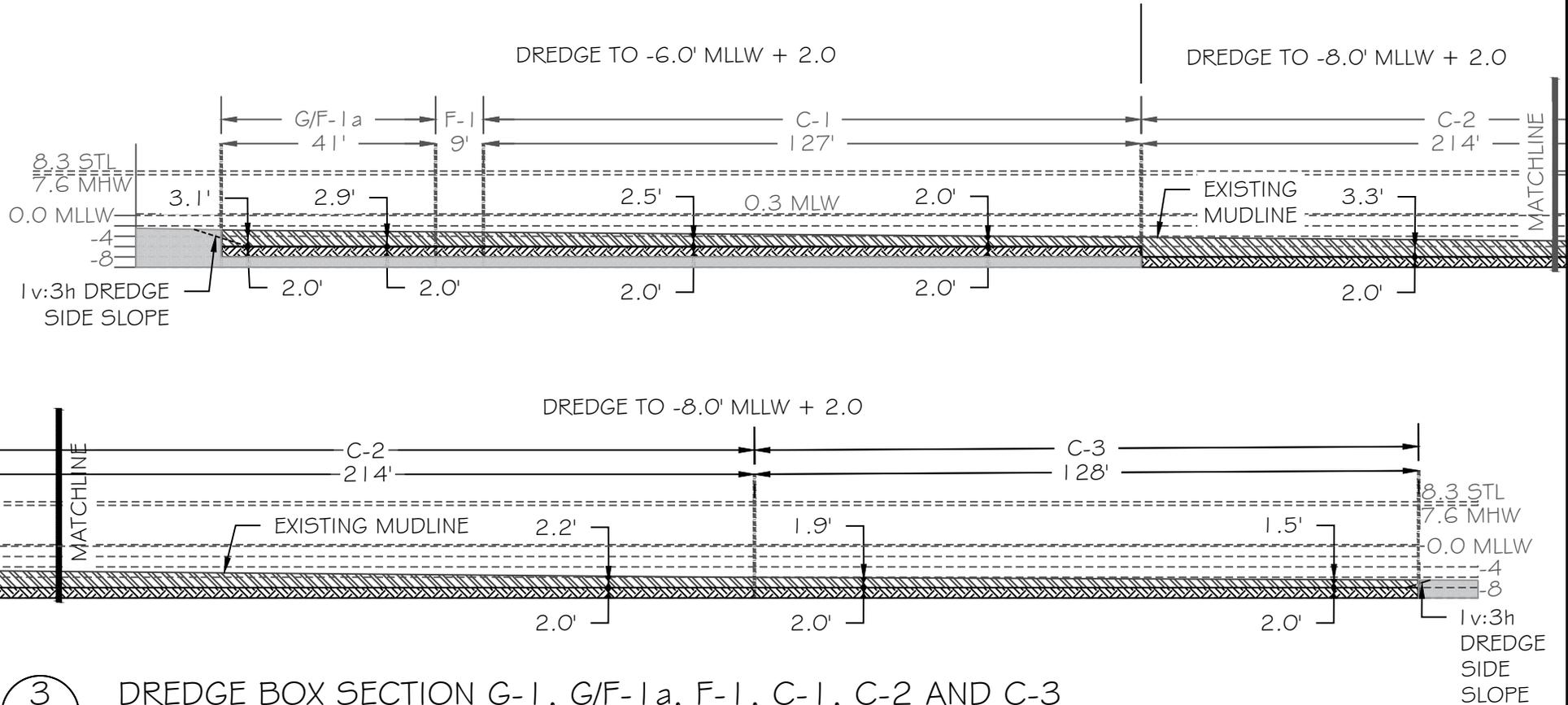
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 PREPARED BY:  
 MICHAEL J. QUADAGNO,  
 P.E.  
 CHECKED BY: MJQ  
 CADD BY: TJF # ST

SHEET:  
**SD-02c**



# USACE FILE: NAN-2017-01067-EKN (Drawing 8 of 12)

FOR REGULATORY APPROVALS

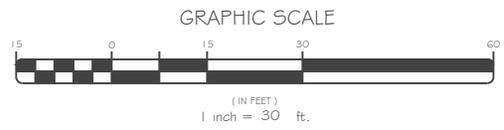


**3** DREDGE BOX SECTION G-1, G/F-1a, F-1, C-1, C-2 AND C-3  
 SD-02a Scale: 1:30

**LEGEND**

 PROPOSED DREDGE

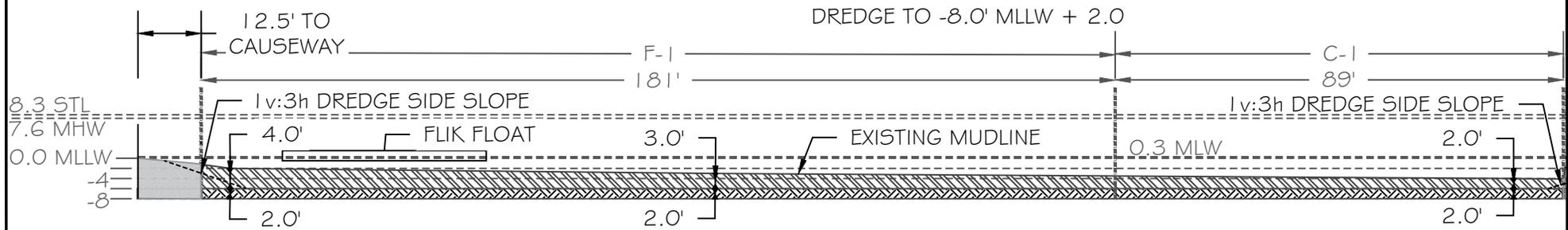
 PROPOSED OVERDREDGE



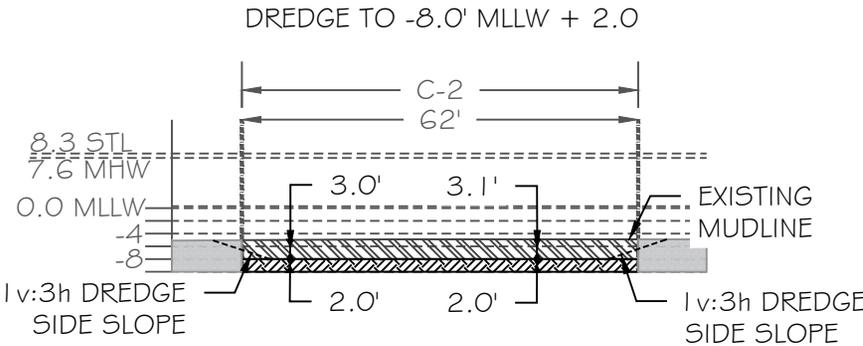
CLIENTS: LUDVIPOL, LLC & RUEDIGER FLIK Situate at: 610 S. BARRY AVENUE, C/O 710 TAYLORS LANE BION ISLAND - 835 TAYLORS LANE VILLAGE OF MAMARONECK, TOWN OF RYE COUNTY OF WESTCHESTER, STATE OF NEW YORK LONG ISLAND SOUND	SHEET PREPARED BY: <b>MICHAEL J. QUADAGNO, P.E.</b>	ENVIRONMENTAL WATERFRONT DESIGN CONSULTANT: DANIEL S. NATCHEZ and ASSOCIATES, Inc. 916 EAST BOSTON POST ROAD MAMARONECK, N.Y. 10543-4109 tel: 914.698.5678 WWW.DSNAINC.COM fax: 914.698.7321	DRAWING TITLE: <b>DREDGE SECTIONS</b>	DATE: 06/01/2018 REVISIONS: 09/13/2018 - SCALE ADJUSTMENTS 11/20/2018 - REVISIONS PER DEC 12/17/2018 - ADD'D CTHA LINK PER DEC 01/24/2019 - NORTH ARROW CORRECTION	SCALE: as shown PREPARED BY: MICHAEL J. QUADAGNO, P.E. CHECKED BY: MJQ CADD BY: TJF # ST	SHEET: <b>SD-03b</b>
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# USACE FILE: NAN-2017-01067-EKN (Drawing 9 of 12)

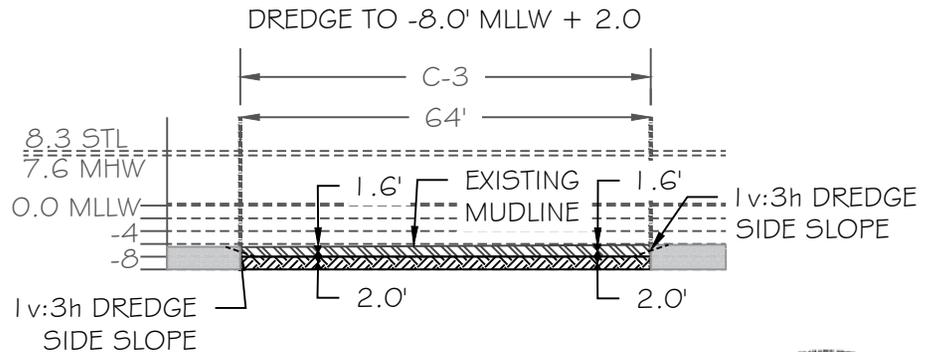
FOR REGULATORY APPROVALS



**4** DREDGE BOX SECTION F-1 AND C-1  
SD-02a Scale: 1:30

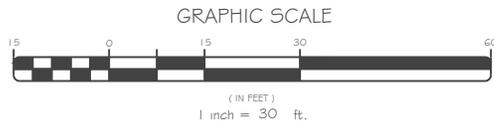


**5** DREDGE BOX SECTION C-2  
SD-02a Scale: 1:30



**6** DREDGE BOX SECTION C-3  
SD-02a Scale: 1:30

- LEGEND
- PROPOSED DREDGE
  - PROPOSED OVERDREDGE



CLIENTS: LUDVIPOL, LLC &  
RUEDIGER FLIK  
Site at:  
610 S. BARRY AVENUE, C/O 710 TAYLORS LANE  
&  
BION ISLAND - 835 TAYLORS LANE  
VILLAGE OF MAMARONECK, TOWN OF RYE  
COUNTY OF WESTCHESTER, STATE OF NEW YORK  
LONG ISLAND SOUND

SHEET PREPARED BY:  
MICHAEL J. QUADAGNO, P.E.

ENVIRONMENTAL WATERFRONT DESIGN CONSULTANT:  
DANIEL S. NATCHEZ and ASSOCIATES, Inc.  
916 EAST BOSTON POST ROAD  
MAMARONECK, N.Y. 10543-4109  
tel: 914.698.5678 WWW.DSNAINC.COM  
fax: 914.698.7321

DRAWING TITLE:  
DREDGE  
SECTIONS

DATE: 06/01/2018  
REVISIONS:  
09/13/2018 - SCALE ADJUSTMENTS  
11/20/2018 - REVISIONS PER DEC  
12/17/2018 - ADD'D CTHA LINK PER DEC  
01/24/2019 - NORTH ARROW CORRECTION

SCALE: as shown  
PREPARED BY:  
MICHAEL J. QUADAGNO,  
P.E.  
CHECKED BY: MJQ  
CADD BY: TJF # ST

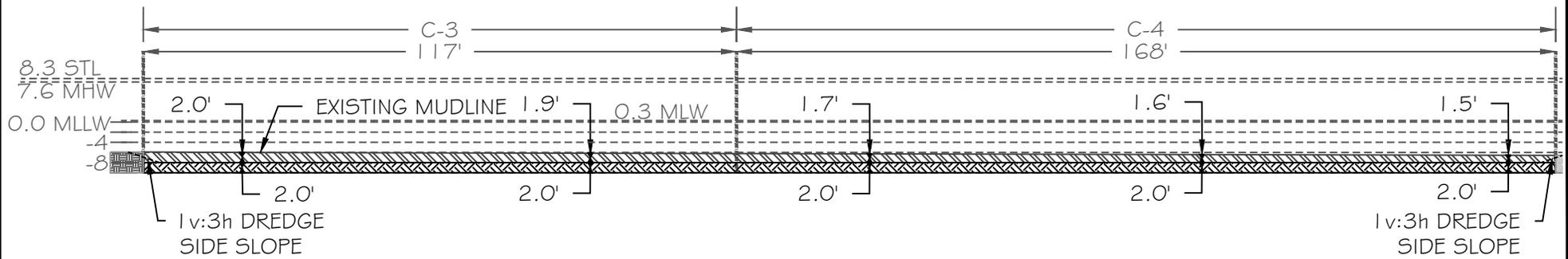
SHEET:  
SD-04a

FILE: H:\Drawings\2018\2018\PLOTS\HETS\PERMIT APPROVAL\DRAWING\SD-04a-8-SX11.dwg

# USACE FILE: NAN-2017-01067-EKN (Drawing 10 of 12)

FOR REGULATORY APPROVALS

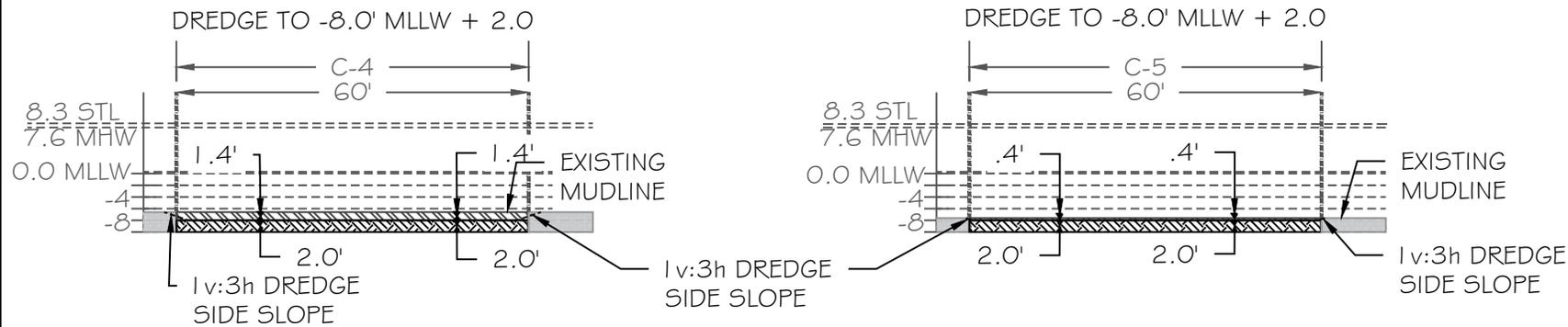
DREDGE TO  $-8.0'$  MLLW + 2.0



7  
SD-02a

## DREDGE BOX SECTION C-3 AND C-4

Scale: 1:30



8  
SD-02a

## DREDGE BOX SECTION C-4

Scale: 1:30

9  
SD-02a

## DREDGE BOX SECTION C-5

Scale: 1:30

LEGEND



PROPOSED DREDGE



PROPOSED OVERDREDGE

GRAPHIC SCALE



(IN FEET)  
1 inch = 30 ft.



CLIENTS: LUDVIPOL, LLC &

RUEDIGER FLIK

Site at:  
610 S. BARRY AVENUE, C/O 710 TAYLORS LANE  
&  
BION ISLAND - 835 TAYLORS LANE  
VILLAGE OF MAMARONECK, TOWN OF RYE  
COUNTY OF WESTCHESTER, STATE OF NEW YORK  
LONG ISLAND SOUND

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DRAWING TITLE:

DREDGE  
SECTIONS

DATE: 06/01/2018

REVISIONS:

09/13/2018 - SCALE ADJUSTMENTS  
1/12/2018 - REVISIONS PER DEC  
12/17/2018 - ADD CDTHA LINK PER DEC  
01/24/2019 - NORTH ARROW CORRECTION

SCALE: as shown

PREPARED BY:

MICHAEL J. QUADAGNO,  
P.E.

CHECKED BY: MJQ

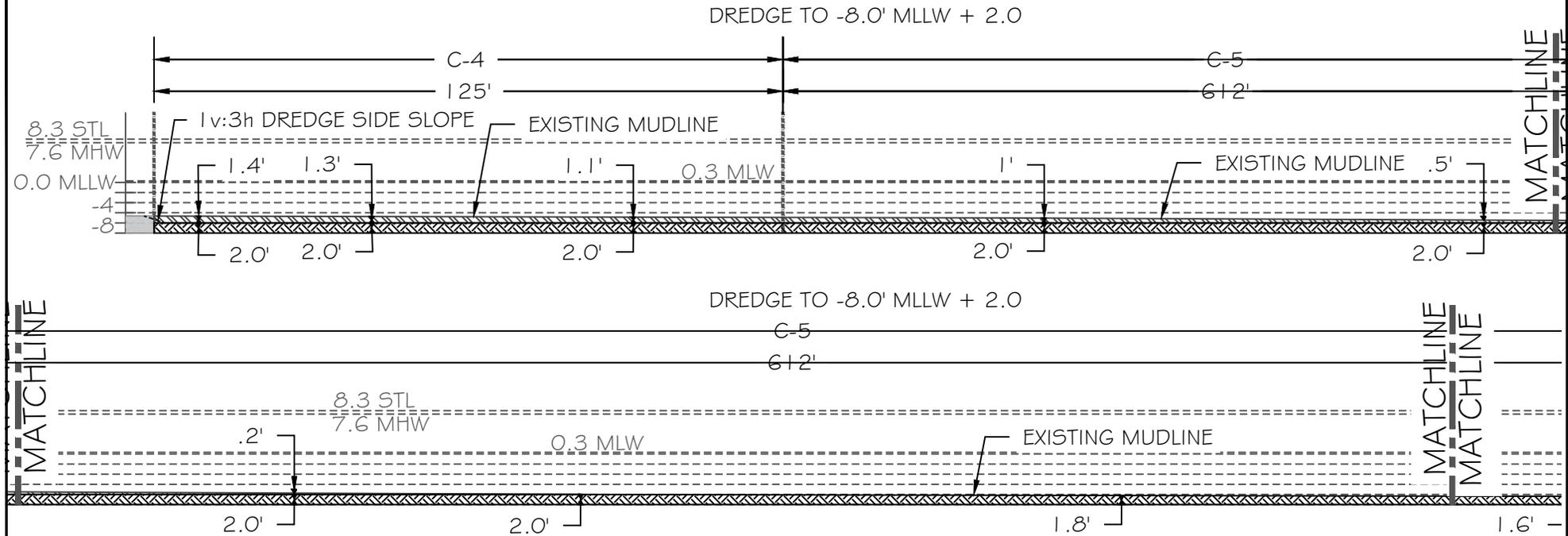
CADD BY: TJF & ST

SHEET:

SD-04b

# USACE FILE: NAN-2017-01067-EKN (Drawing 11 of 12)

FOR REGULATORY APPROVALS



10  
SD-02a

## DREDGE BOX SECTION C-4 and C-5

Scale: 1:30

### LEGEND



PROPOSED DREDGE



PROPOSED OVERDREDGE

### GRAPHIC SCALE



( IN FEET )  
1 inch = 30 ft.



CLIENTS: LUDVIPOL, LLC &

RUEDIGER FLIK

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DRAWING TITLE:

DREDGE  
SECTIONS

DATE: 06/01/2018

REVISIONS:

09/13/2018 - SCALE ADJUSTMENTS  
11/20/2018 - REVISIONS PER DEC  
12/17/2018 - ADD'D CTHA LINK PER DEC  
01/24/2019 - NORTH ARROW CORRECTION

FILE: H:\Drawings\GIS\2019\PLOTS\SHETS\FERM\APPROVAL DRAWINGS\8.5X11\SD-05a-8.5X11.dwg

SCALE: as shown

PREPARED BY:

MICHAEL J. QUADAGNO,  
P.E.

CHECKED BY: MJQ

CADD BY: TJF # ST

SHEET:

SD-05a



**EFH Data Notice:** Essential Fish Habitat (EFH) is defined by textual descriptions contained in the fishery management plans developed by the regional Fishery Management Councils. In most cases mapping data can not fully represent the complexity of the habitats that make up EFH. This report should be used for general interest queries only and should not be interpreted as a definitive evaluation of EFH at this location. A location-specific evaluation of EFH for any official purposes must be performed by a regional expert. Please refer to the following links for the appropriate regional resources.

Greater Atlantic Regional Office  
 Atlantic Highly Migratory Species Management Division

**Query Results**  
 Map Scale = 1:144,448  
 Degrees, Minutes, Seconds: Latitude = 40°56'30" N, Longitude = 73°43'0" E  
 Decimal Degrees: Latitude = 40.94, Longitude = -73.72

The query location intersects with spatial data representing EFH and/or HAPCs for the following species/management units.

**\*\*\* WARNING \*\*\***

The list provided below is incomplete due to current data limitations\* (please refer to the warnings posted for this region elsewhere on the EFH Mapper). For a complete list of EFH species and life stages designated at this location please consult with the regional office. Regional contact links have been provided above.

\*\*Spatial data for EFH Areas protected from fishing for species managed by the New England Fishery Management Council will be added to the EFH Mapper as soon as they are available.\*\*

\*\*\*Please note under "Life Stage(s) Found at Location" the category "ALL" indicates that one or more life stage of a species (the one or ones listed) is mapped as EFH at the queried location. In cases where "ALL" is the only entry in the table, all life stages of that species share the same map and are designated at the queried location.\*\*\*

**EFH**

Show	Link	Data Caveats	Species/Management Unit	Life stage(s) Found at Location	Management Council	FMP
			Black Sea Bass	ALL Juvenile	Mid-Atlantic	Summer Flounder, Scup, Black Sea Bass
			Scup	Larvae Eggs Juvenile Adult ALL	Mid-Atlantic	Summer Flounder, Scup, Black Sea Bass
			Longfin Inshore Squid	Eggs ALL	Mid-Atlantic	Atlantic Mackerel, Squid, & Butterfish Amendment 11
			Atlantic Mackerel	Eggs Larvae Juvenile Adult ALL	Mid-Atlantic	Atlantic Mackerel, Squid, & Butterfish Amendment 11
			Bluefish	Adult Juvenile ALL	Mid-Atlantic	Bluefish
			Atlantic Butterfish	Eggs Larvae Adult Juvenile ALL	Mid-Atlantic	Atlantic Mackerel, Squid, & Butterfish Amendment 11
			Summer Flounder	Juvenile Adult ALL	Mid-Atlantic	Summer Flounder, Scup, Black Sea Bass
			Sand Tiger Shark	Neonate/Juvenile ALL	Secretarial	Amendment 10 to the 2006 Consolidated HMS FMP: EFH
			Winter Flounder	Eggs Juvenile Larvae/Adult ALL	New England	Amendment 14 to the Northeast Multispecies FMP
			Little Skate	Juvenile Adult ALL	New England	Amendment 2 to the Northeast Skate Complex FMP
			Atlantic Herring	Juvenile Adult ALL	New England	Amendment 3 to the Atlantic Herring FMP
			Pollock	Adult Juvenile ALL	New England	Amendment 14 to the Northeast Multispecies FMP
			Red Hake	Adult Eggs/Larvae/Juvenile ALL	New England	Amendment 14 to the Northeast Multispecies FMP
			Windowpane Flounder		New England	

Show	Link	Data Caveats	Species/Management Unit	Life stage(s) Found at Location	Management Council	FMP
				Adult Larvae Eggs Juvenile ALL		Amendment 14 to the Northeast Multispecies FMP
			Winter Skate	Adult Juvenile ALL	New England	Amendment 2 to the Northeast Skate Complex FMP

**HAPCs**

No Habitat Areas of Particular Concern (HAPC) were identified at the report location.

**EFH Areas Protected from Fishing**

No EFH Areas Protected from Fishing (EFHA) were identified at the report location.

**Spatial data does not currently exist for all the managed species in this area. The following is a list of species or management units for which there is no spatial data.**

**\*\*For links to all EFH text descriptions see the complete data inventory: open data inventory -->**

**New England Council EFHAs,**  
 No spatial data for EFH Areas protected from fishing,  
**Mid-Atlantic Council HAPCs,**  
 No spatial data for summer flounder SAV HAPC.

## Summary of Essential Fish Habitat (EFH) Designation

### Western Long Island Sound Disposal Site

**10 x 10 Square Coordinates:**

Boundary	North	East	South	West
Coordinate	41° 00.0' N	73° 20.0' W	40° 50.0' N	73° 30.0' W

**Square Description (i.e. habitat, landmarks, coastline markers):** Atlantic Ocean waters within the square within Long Island Sound affecting the following: on the north shore of Long Island from just north of Northport, NY., to Cooper Bluff, NY. on Cove Neck, west of Cold Spring Harbor, NY. These waters are north of the following: Northport., NY, Eatons Neck, Northport Bay, Little Neck, East Neck, West Neck, and Lloyd Neck, Huntington, NY., Greenlawn, NY., Centerport, NY., Woodbury, NY., and Huntington Bay. Also, there is a discontinued dumping ground along with a present disposal area, both on the northern boundary of the square, south of Noroton Heights, CT. and South Norwalk, CT.

Species	Eggs	Larvae	Juveniles	Adults
Atlantic salmon ( <i>Salmo salar</i> )			X	X
Atlantic cod ( <i>Gadus morhua</i> )				
haddock ( <i>Melanogrammus aeglefinus</i> )				
pollock ( <i>Pollachius virens</i> )			X	X
whiting ( <i>Merluccius bilinearis</i> )				
offshore hake ( <i>Merluccius albidus</i> )				
red hake ( <i>Urophycis chuss</i> )	X	X	X	X
white hake ( <i>Urophycis tenuis</i> )				
redfish ( <i>Sebastes fasciatus</i> )	n/a			
witch flounder ( <i>Glyptocephalus cynoglossus</i> )				
winter flounder ( <i>Pseudopleuronectes americanus</i> )	X	X	X	X
yellowtail flounder ( <i>Limanda ferruginea</i> )				
windowpane flounder ( <i>Scophthalmus aquosus</i> )	X	X	X	X
American plaice ( <i>Hippoglossoides platessoides</i> )				
ocean pout ( <i>Macrozoarces americanus</i> )				

## CENAN-OP-RE

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Atlantic halibut ( <i>Hippoglossus hippoglossus</i> )				
Atlantic sea scallop ( <i>Placopecten magellanicus</i> )				
Atlantic sea herring ( <i>Clupea harengus</i> )			X	X
monkfish ( <i>Lophius americanus</i> )				
bluefish ( <i>Pomatomus saltatrix</i> )			X	X
long finned squid ( <i>Loligo pealeii</i> )	n/a	n/a		
short finned squid ( <i>Illex illecebrosus</i> )	n/a	n/a		
Atlantic butterfish ( <i>Peprilus triacanthus</i> )				
Atlantic mackerel ( <i>Scomber scombrus</i> )	X	X	X	X
summer flounder ( <i>Paralichthys dentatus</i> )			X	
scup ( <i>Stenotomus chrysops</i> )	X	X	X	X
black sea bass ( <i>Centropristis striata</i> )	n/a		X	
surf clam ( <i>Spisula solidissima</i> )	n/a	n/a		
ocean quahog ( <i>Artica islandica</i> )	n/a	n/a		
spiny dogfish ( <i>Squalus acanthias</i> )	n/a	n/a		
tilefish ( <i>Lopholatilus chamaeleonticeps</i> )				
king mackerel ( <i>Scomberomorus cavalla</i> )	X	X	X	X
Spanish mackerel ( <i>Scomberomorus maculatus</i> )	X	X	X	X
cobia ( <i>Rachycentron canadum</i> )	X	X	X	X
sand tiger shark ( <i>Carcharias taurus</i> )		X		
Little skate ( <i>Leucoraja erinacea</i> )			X	X
Winter skate ( <i>Leucoraja ocellata</i> )			X	X