



# JOINT PUBLIC NOTICE

US Army Corps  
of Engineers  
New York District  
Jacob K. Javits Federal Building  
New York, N.Y. 10278-0090  
ATTN: Regulatory Branch

State of Connecticut  
Department of Environmental Protection  
79 Elm Street  
Hartford, Connecticut 01606-5127

US Army of Engineers  
New England District  
696 Virginia Road  
Attn: Ms. Diane M. Ray  
Concord, MA 01742-2751

**In replying refer to:**

Public Notice Number: NAN-2012-00082-WSC  
Issue Date: July 26, 2012  
Expiration Date: August 27, 2012

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To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: Castaways Yacht Club  
425 Davenport Avenue  
New Rochelle, NY 10805

ACTIVITY: Maintenance dredge with placement of the dredged material in the Central Long Island Sound Disposal Site (CLIS) with capping. Barge overflow at the dredging site is not proposed.

WATERWAY: New Rochelle Creek

LOCATION: New Rochelle, Westchester County, New York.

Independent evaluations of various aspects of the proposed project will be performed by the US Army Corps of Engineers, New York District, US Army Corps of Engineers, New England District, the State of Connecticut, and the State of New York in accordance with applicable federal and state laws.

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts 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 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.

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.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267) (16 U.S.C. 1801 et seq.), requires federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, 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 2.29 acres of Essential Fish Habitat (EFH) for the species and their life stages as shown in the attached table. Habitat at this site can be described as sand and silt. Loss of this habitat may adversely affect those species listed in the attached table. 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 dredged material disposal is proposed for the Central Long Island Sound Disposal Site. This is an open water site, which provides Essential Fish Habitat for the attached table of species and life stages. Habitat at this site can be described as sand and silt. Loss of this habitat may adversely affect those species listed on the attached table. 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.

#### **ENDANGERED SPECIES CONSULTATION**

**Dredging Site:** Our preliminary determination is that the dredging 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.

**CLIS:** The New York District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur for placement of dredged material at the Central Long Island Sound Disposal Site (CLIS) sought by the applicant. A Biological Assessment (BA) of the CLIS was performed of the potential for interactions and adverse impacts to those listed species. It is our 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 any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with

our BA determination.

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, prehistorical 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 a water quality certificate or waiver from the appropriate state agency 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, the approved state coastal zone management program. By this public notice, we are requesting the state's 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, 41 State Street, 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 CLIS.

Comments related to water quality issues should be submitted both to this office and to the Connecticut Department of Environmental Protection, Office of Long Island Sound Programs, 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) 424-3034.

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:

**Navigable Waters Permit from New York State Department of Environmental Conservation.**

It is requested that you communicate the foregoing information concerning the proposed work 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) 790-8417 and ask for Steven A. Schumach. For more information on New York District Corps of Engineers programs, visit our website at <http://www.nan.usace.army.mil>

  
for  
Jodi McDonald  
Chief, Regulatory Branch

Attachments

DESCRIPTION OF WORK

The applicant, the Castaways Yacht Club, has requested Department of the Army authorization to maintenance dredge in New Rochelle Creek in New Rochelle, Westchester County, New York. Approximately 12,470 cubic yards of material would be maintenance dredged using a clamshell bucket dredge from an area of approximately 0.06 acres to a depth of 3 feet below the plane of mean low water and from an area of approximately 2.23 acres to a maximum depth of 8 feet below the plane of mean low water and no barge overflow. The dredged material would be placed at the Central Long Island Sound Disposal Site (CLIS) with capping. The stated purpose of the proposed maintenance dredging is to provide adequate depth for safe navigation at the marina's existing boat slips and travel lift.

Sampling and Testing: A sampling plan for this project was prepared for six cores that were taken from the project area. The resulting data shows sufficient information to satisfy the evaluation and testing requirements of the appropriate regulations and that the dredged material is suitable for placement in the Central Long Island Sound Disposal Site with capping. Tables with the testing results are attached.

The Central Long Island Sound Disposal Site is frequently used for disposal of bottom sediments from various harbors along the eastern New York, northern Long Island, and central and western Connecticut coasts. An average of approximately 400,000 cubic yards of suitable sediments (suitability determined through case-by-case analyses) have been deposited at this site annually. The site has been monitored through the Corps' Disposal Area Monitoring System (DAMOS) program. DAMOS studies show that the site is a low energy environment such that sediment deposited at this location will remain within the site's boundaries. Levels of metals and organics in the sediments within the disposal site are generally above background levels, indicative of the industrial nature of the areas dredged that utilize the site. Areas outside the disposal site have not been found to be affected by sediment deposited within the site.

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 the Central Long Island Sound disposal site with capping. A Department of the Army permit, if issued in this matter, would authorize the initial disposal of the dredged material at the designated Long Island Sound Disposal Site for a 3 year period to allow for periodic maintenance dredging.

**Summary of Essential Fish Habitat (EFH) Designation**

**10' x 10' Square Coordinates: Dredge Site**

Boundary	North	East	South	West
Coordinate	41° 00.0' N	73° 40.0' W	40° 50.0' N	73° 50.0' W

**Square Description (i.e. habitat, landmarks, coastline markers):** The waters within the square within the Hudson River estuary on the north shore of Long Island, affecting the following: north of Manhasset Neck, Port Washington, NY., Berker Pt., Sands Pt., and Mott Pt., the tip of Hewlett Pt. on the north of Great Neck, north of Manhasset, NY., and Douglastown, NY. Also, the waters within Long Island Sound south of mainland New York from Port Chester, NY., and Rye, NY., to Westchester, NY., on East Chester Bay, along with south of the following: Harrison, NY., Mamaroneck, NY., Larchmont, NY., Pelham, NY., New Rochelle, NY., Pelham Manor, NY., and East Chester, NY. Also, around the following islands and features: Hart, City, Davids, Pea, Hen, Glen, Hunter and Huckleberry, the Scotch Caps, Middle Gorund, Execution Rocks, Gangway Rocks, Porgy Shoal and Hen and Chickens Rocks, along with the Hutchinson River, Mamaroneck Harbor, Milton Harbor, and Larchmont Harbor.

Species	Eggs	Larvae	Juveniles	Adults
Atlantic cod ( <i>Gadus morhua</i> )			X	X
pollock ( <i>Pollachius virens</i> )			X	X
red hake ( <i>Urophycis chuss</i> )	X	X	X	X
winter flounder ( <i>Pleuronectes americanus</i> )	X	X	X	X
windowpane flounder ( <i>Scopthalmus aquosus</i> )	X	X	X	X
Atlantic sea herring ( <i>Clupea harengus</i> )		X	X	X
bluefish ( <i>Pomatomus saltatrix</i> )			X	X
Atlantic butterfish ( <i>Peprilus triacanthus</i> )		X	X	X
Atlantic mackerel ( <i>Scomber scombrus</i> )			X	X
summer flounder ( <i>Paralichthys dentatus</i> )		X	X	X
scup ( <i>Stenotomus chrysops</i> )	X	X	X	X
black sea bass ( <i>Centropristus striata</i> )	n/a		X	X

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>Odontaspis taurus</i> )		X		

**Summary of Essential Fish Habitat (EFH) Designation**

**10' x 10' Square Coordinates: Central Long Island Sound Disposal Site**

Boundary	North	East	South	West
Coordinate	41° 10.0' N	72° 50.0 W	41° 00.0' N	73° 00.0 W

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**Square Description (i.e. habitat, landmarks, coastline markers):** Atlantic Ocean waters within the square within Long Island Sound affecting the following: one square south of the waters within the square south of New Haven, CT. In this square there is a dumping ground on the northeast corner.

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Species	Eggs	Larvae	Juveniles	Adults
Atlantic salmon ( <i>Salmo salar</i> )			X	X
pollock ( <i>Pollachius virens</i> )			X	X
whiting ( <i>Merluccius bilinearis</i> )				X
red hake ( <i>Urophycis chuss</i> )	X	X	X	X
winter flounder ( <i>Pleuronectes americanus</i> )	X	X	X	X
windowpane flounder ( <i>Scopthalmus aquosus</i> )	X	X	X	X
American plaice ( <i>Hippoglossoides platessoides</i> )			X	X

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Atlantic sea herring ( <i>Clupea harengus</i> )			X	X
bluefish ( <i>Pomatomus saltatrix</i> )			X	X
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>Centropristus striata</i> )	n/a		X	
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>Odontaspis taurus</i> )		X		

Non Normalized Pollutant Concentrations  
 Project: Castaways Yacht Club  
 USACE Permit: NAN-2012-00082-WSC

Analyte	CLIS mean + 2sd	A				B				Composite 1				Composite 2			
		Raw Data	Qualifier	Comparison	Raw Data	Raw Data	Qualifier	Comparison	Raw Data	Raw Data	Qualifier	Comparison	Raw Data	Raw Data	Qualifier	Comparison	
Metals (ppm)		11		1.75	5.7	OK	OK	11	11	11	1.75	11	11	11	1.75		
Arsenic	6.3			3.57	0.37		1.32	1.3	1.3	4.64	8.21	2.3	2.3	4.64	8.21		
Cadmium	0.28	1		3.1	81		1.8	520	520	4.86	4.86	210	210	4.86	4.86		
Chromium	45.1	140		4.75	85		2.02	200	200	4.75	4.75	250	250	4.75	4.75		
Copper	42.1	200		2.31	73	OK		140	140	1.7	3.28	270	270	3.28	3.28		
Lead	82.2	190		4.63	0.24		1.5	0.59	0.59	3.69	7.5	1.2	1.2	3.69	7.5		
Mercury	0.16	0.74		7.32	140		3.41	1600	1600	1.6	1.6	1200	1200	1.6	1.6		
Nickel	41	300		1.66	130	OK		290	290			330	330				
Zinc	181	300															
% fines		79			28.7			88.4	88.4			92.6	92.6				
PAH's (ppb)																	
Acenaphthene	22	48		2.18	34	OK	1.55	64	64	2.91	2.23	49	49	2.23	2.23		
Acenaphthylene	70	44	OK	1.3	22	OK		58	58	1.82	1.69	52	52	1.69	1.69		
Anthracene	77	100		2	71	OK	1.31	79	79	2.72	2.45	130	130	2.45	2.45		
Fluorene	29	58	OK	2.07	20	OK	1.24	55	55	1.91	1.99	44	44	1.99	1.99		
Naphthalene	135	33			300			460	460			480	480				
Phenanthrene	241	500															
Benzo(a)anthracene	263	610		2.32	300		1.14	560	560	2.13	1.9	500	500	2.13	1.9		
Benzo(a)pyrene	327	590		1.8	330		1.01	540	540	1.65	1.83	600	600	1.65	1.83		
Benzo(g,h,i)perylene	316	460		1.46	240	OK		490	490	1.55	1.52	480	480	1.55	1.52		
Chrysene	287	590		2.06	300		1.05	580	580	2.02	1.92	550	550	2.02	1.92		
Dibenzo(a,h)anthracene	23	110		4.78	52		2.26	120	120	5.22	4.35	100	100	5.22	4.35		
Fluoranthene	436	1200		2.75	570		1.31	880	880	2.02	2.22	970	970	2.02	2.22		
Indeno(1,2,3-cd)pyrene	206	460		2.23	240		1.17	490	490	2.38	2.33	480	480	2.38	2.33		
Pyrene	613	1200		1.96	610	OK		1300	1300	2.12	1.96	1200	1200	2.12	1.96		
Total Benzofluoranthenes	630	1140		1.81	600	OK		1160	1160	1.84	1.43	900	900	1.84	1.43		
TOC		4.04			1.865			2.815	2.815			2.675	2.675				
Pesticides (ppb)																	
4,4'-DDD	-999	10 U	No Ref		8 U	No Ref		10 U	10 U	No Ref	No Ref	15 J	15 J	No Ref	No Ref		
4,4'-DDE	-999	10 U	No Ref		8 U	No Ref		10 U	10 U	No Ref	No Ref	12 J	12 J	No Ref	No Ref		
4,4'-DDT	-999	10 U	No Ref		8 U	No Ref		10 U	10 U	No Ref	No Ref	10 U	10 U	No Ref	No Ref		
Aldrin	-999	5 U	No Ref		4 U	No Ref		6 U	6 U	No Ref	No Ref	6 U	6 U	No Ref	No Ref		
Cis-Chlordane	-999	5 U	No Ref		4 U	No Ref		6 U	6 U	No Ref	No Ref	6 U	6 U	No Ref	No Ref		
Delta-BHC	-999	10 U	No Ref		8 U	No Ref		10 U	10 U	No Ref	No Ref	10 U	10 U	No Ref	No Ref		
Dieldrin	-999	10 U	No Ref		8 U	No Ref		10 U	10 U	No Ref	No Ref	10 U	10 U	No Ref	No Ref		
Endosulfan I	-999	10 U	No Ref		8 U	No Ref		10 U	10 U	No Ref	No Ref	10 U	10 U	No Ref	No Ref		
Endosulfan II	-999	10 U	No Ref		8 U	No Ref		10 U	10 U	No Ref	No Ref	10 U	10 U	No Ref	No Ref		

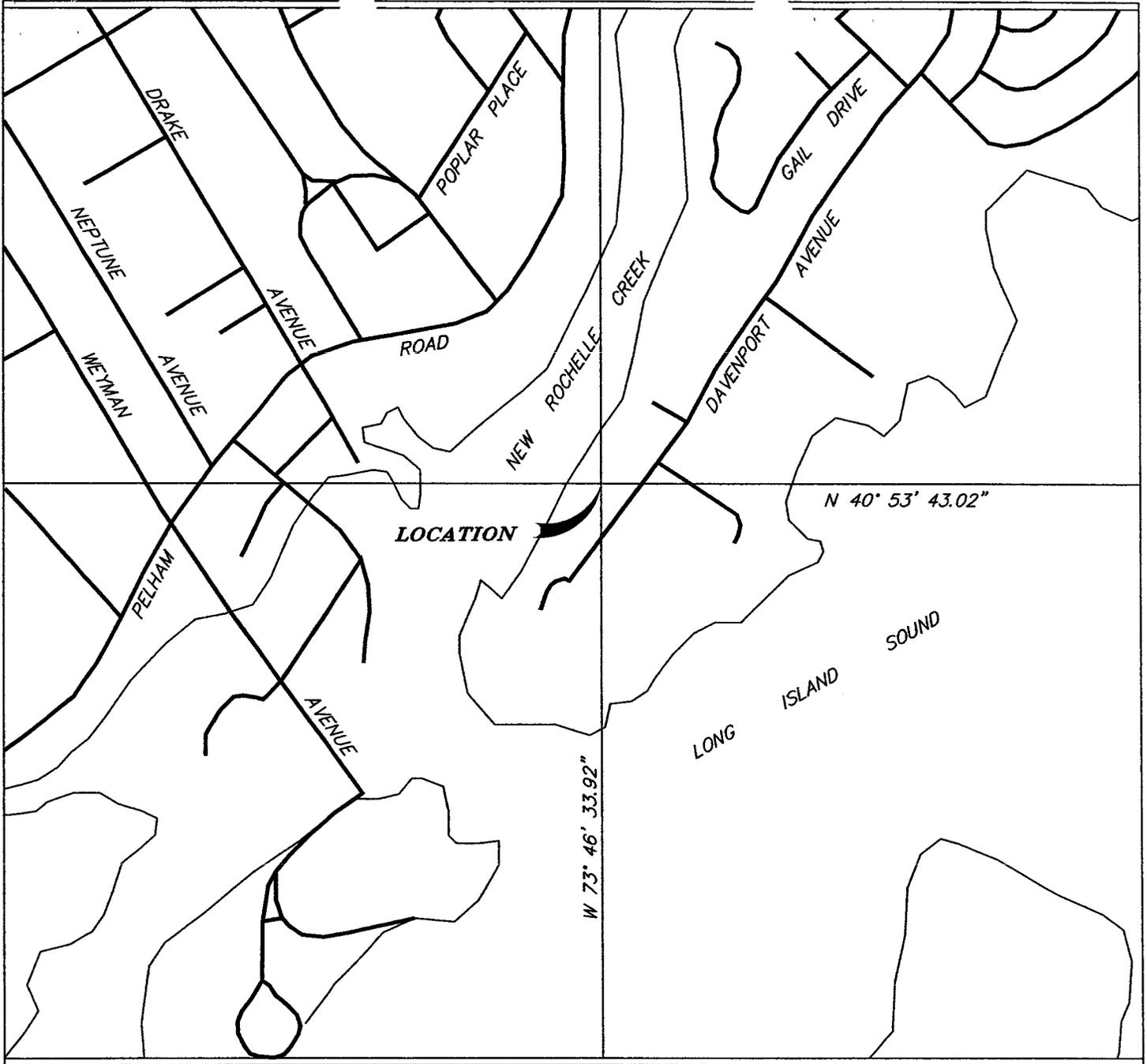
Endrin	-999	10 U	No Ref	8 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref
Heptachlor	-999	5 U	No Ref	4 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref
Heptachlor epoxide	-999	5 U	No Ref	4 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref
Hexachlorobenzene	-999	5 U	No Ref	4 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref
Lindane	-999										
Methoxychlor	-999	10 U	No Ref	8 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref
Oxychloridane	-999	5 U	No Ref	4 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref
Toxaphene	-999	300 U	No Ref	200 U	No Ref	300 U	No Ref	300 U	No Ref	300 U	No Ref
Trans-chlordane	-999	5 U	No Ref	4 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref
dis-Nonachlor	-999	10 U	No Ref	8 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref
trans-Nonachlor	-999	12 J	No Ref	4 U	No Ref	6 U	No Ref	6 U	No Ref	11 J	No Ref
PCBs (ppb)											
PCB 101	-999	9.2	No Ref	4	No Ref	6.8	No Ref	6.8	No Ref	24	No Ref
PCB 105	-999	1.1 U	No Ref	0.76 U	No Ref	1.1 U	No Ref	1.1 U	No Ref	1.2 U	No Ref
PCB 118	-999	3.8	No Ref	1.5	No Ref	2.2	No Ref	2.2	No Ref	9.8	No Ref
PCB 128	-999	1.9	No Ref	0.94	No Ref	1.3	No Ref	1.3	No Ref	3.3	No Ref
PCB 138	-999	13	No Ref	4.3	No Ref	9.7	No Ref	9.7	No Ref	28	No Ref
PCB 153	-999	7.6	No Ref	2.6	No Ref	6.2	No Ref	6.2	No Ref	17	No Ref
PCB 170	-999	2.5	No Ref	0.65 J	No Ref	2.4	No Ref	2.4	No Ref	5.4	No Ref
PCB 18	-999	0.94 J	No Ref	0.76 U	No Ref	4.9	No Ref	4.9	No Ref	5.1	No Ref
PCB 180	-999	3.5	No Ref	1.2	No Ref	2.8	No Ref	2.8	No Ref	7.5	No Ref
PCB 183	-999	1.9	No Ref	0.55 J	No Ref	1.4	No Ref	1.4	No Ref	4.6	No Ref
PCB 184	-999	1.1 U	No Ref	0.76 U	No Ref	1.1 U	No Ref	1.1 U	No Ref	1.2 U	No Ref
PCB 187	-999	3.8	No Ref	1.4	No Ref	3.5	No Ref	3.5	No Ref	8	No Ref
PCB 195	-999	1.3	No Ref	0.76 U	No Ref	1.1 U	No Ref	1.1 U	No Ref	0.77 J	No Ref
PCB 206	-999	0.65 J	No Ref	0.76 U	No Ref	1.1 U	No Ref	1.1 U	No Ref	1.5	No Ref
PCB 209	-999	0.75 J	No Ref	0.74 J	No Ref	1.1 U	No Ref	1.1 U	No Ref	1.3	No Ref
PCB 26	-999	4.1	No Ref	0.9	No Ref	8.6	No Ref	8.6	No Ref	22	No Ref
PCB 28	-999	4.7	No Ref	1.7	No Ref	7.7	No Ref	7.7	No Ref	22	No Ref
PCB 44	-999	4.7	No Ref	1	No Ref	4.7	No Ref	4.7	No Ref	12	No Ref
PCB 49	-999	3.4	No Ref	2.2	No Ref	7.3	No Ref	7.3	No Ref	12	No Ref
PCB 52	-999	6.8	No Ref	1.7	No Ref	3.9	No Ref	3.9	No Ref	27	No Ref
PCB 66	-999	6.3	No Ref	1.7	No Ref	3.4	No Ref	3.4	No Ref	16	No Ref
PCB 8	-999	1.1 U	No Ref	0.76 U	No Ref	2.8	No Ref	2.8	No Ref	1.3	No Ref
PCB 87	-999	4	No Ref	1.5	No Ref	2.8	No Ref	2.8	No Ref	9.9	No Ref
Total PCBs		133.08		47.94001		136.5		136.5		359.2	

Total PCBs is 2 X [sum of Congeners 8, 18, 28, 44, 52, 66, 101, 105, 118, 128, 138, 153, 170, 180, 187, 195, 206, 209]  
 than 10X above reference value  
 Cells in Yellow are > 10X above reference value

Non Normalized Pollutant Concentrations  
 Project: Castaways Yacht Club  
 USACE Permit: NAN-2012-00082-WSC

Analyte	W/LIS mean + 2sd	A			B			Composite 1			Composite 2		
		Raw Data	Qualifier	Comparison	Raw Data	Qualifier	Comparison	Raw Data	Qualifier	Comparison	Raw Data	Qualifier	Comparison
Metals (ppm)													
Arsenic	10.1	11	5.7	OK	1.09	11	1.09	11	1.09	11	1.09	11	1.09
Cadmium	1.16	1	0.37	OK	OK	1.3	1.12	2.3	1.12	2.3	1.12	2.3	
Chromium	67.4	140	81	OK	2.08	520	7.72	210	7.72	210	7.72	210	
Copper	91.1	200	85	OK	2.2	200	2.2	200	2.2	200	2.2	200	
Lead	72.6	190	73	OK	2.82	140	1.93	270	1.93	270	1.93	270	
Mercury	0.391	0.74	0.24	OK	1.89	0.59	1.51	1.2	1.51	1.2	1.51	1.2	
Nickel	37.5	300	140	OK	3.73	1600	1.47	1200	1.47	1200	1.47	1200	
Zinc	197	300	130	OK	1.52	290	1.47	330	1.47	330	1.47	330	
% fines		79	28.7			88.4		92.6		92.6		92.6	
PAH's (ppb)													
Acenaphthene	21	48	34	OK	2.29	64	3.05	49	3.05	49	3.05	49	
Acenaphthylene	58	44	22	OK	OK	58	OK	52	OK	52	OK	52	
Anthracene	78	100	71	OK	1.28	140	1.79	130	1.79	130	1.79	130	
Fluorene	35	58	38	OK	1.86	79	2.28	71	2.28	71	2.28	71	
Naphthalene	87	33	20	OK	OK	55	OK	44	OK	44	OK	44	
Phenanthrene	245	500	300	OK	2.04	460	1.88	480	1.88	480	1.88	480	
Benzo(a)anthracene	293	610	300	OK	2.08	560	1.91	500	1.91	500	1.91	500	
Benzo(a)pyrene	425	590	330	OK	1.39	540	1.27	600	1.27	600	1.27	600	
Benzo(g,h,i)perylene	302	460	240	OK	1.52	490	1.62	480	1.62	480	1.62	480	
Chrysene	437	590	300	OK	1.35	580	1.33	550	1.33	550	1.33	550	
Dibenzo(a,h)anthracene	62	110	52	OK	1.77	120	1.94	100	1.94	100	1.94	100	
Fluoranthene	454	1200	570	OK	2.64	880	1.94	970	1.94	970	1.94	970	
Indeno(1,2,3-cd)pyrene	310	460	240	OK	1.48	490	1.58	480	1.58	480	1.58	480	
Pyrene	751	1200	610	OK	1.6	1300	1.73	1200	1.73	1200	1.73	1200	
Total Benzofluoranthrenes	751	1140	600	OK	1.52	1160	1.54	900	1.54	900	1.54	900	
TOC		4.04	1.87			2.82		2.87		2.87		2.87	
Pesticides (ppb)													
4,4'-DDD	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	15 J	No Ref	15 J	No Ref	15 J	
4,4'-DDE	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	12 J	No Ref	12 J	No Ref	12 J	
4,4'-DDT	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	
Aldrin	-999	5 U	4 U	No Ref	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	
Cis-Chlordane	-999	5 U	4 U	No Ref	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	
Delta-BHC	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	
Dieldrin	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	
Endosulfan II	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	
Endrin	-999	10 U	8 U	No Ref	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	
Heptachlor	-999	5 U	4 U	No Ref	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	
Heptachlor epoxide	-999	5 U	4 U	No Ref	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	
Hexachlorobenzene	-999	5 U	4 U	No Ref	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	
Lindane	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	
Methoxychlor	-999	5 U	4 U	No Ref	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	
Oxychlorodane	-999	300 U	200 U	No Ref	No Ref	300 U	No Ref	300 U	No Ref	300 U	No Ref	300 U	
Toxaphene	-999	5 U	4 U	No Ref	No Ref	6 U	No Ref	6 U	No Ref	6 U	No Ref	6 U	
Trans-chlordane	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	
cis-Nonachlor	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	
endosulfan I	-999	10 U	8 U	No Ref	No Ref	10 U	No Ref	10 U	No Ref	10 U	No Ref	10 U	
trans-Nonachlor	-999	12 J	4 U	No Ref	No Ref	6 U	No Ref	11 J	No Ref	11 J	No Ref	11 J	





**LOCATION MAP**

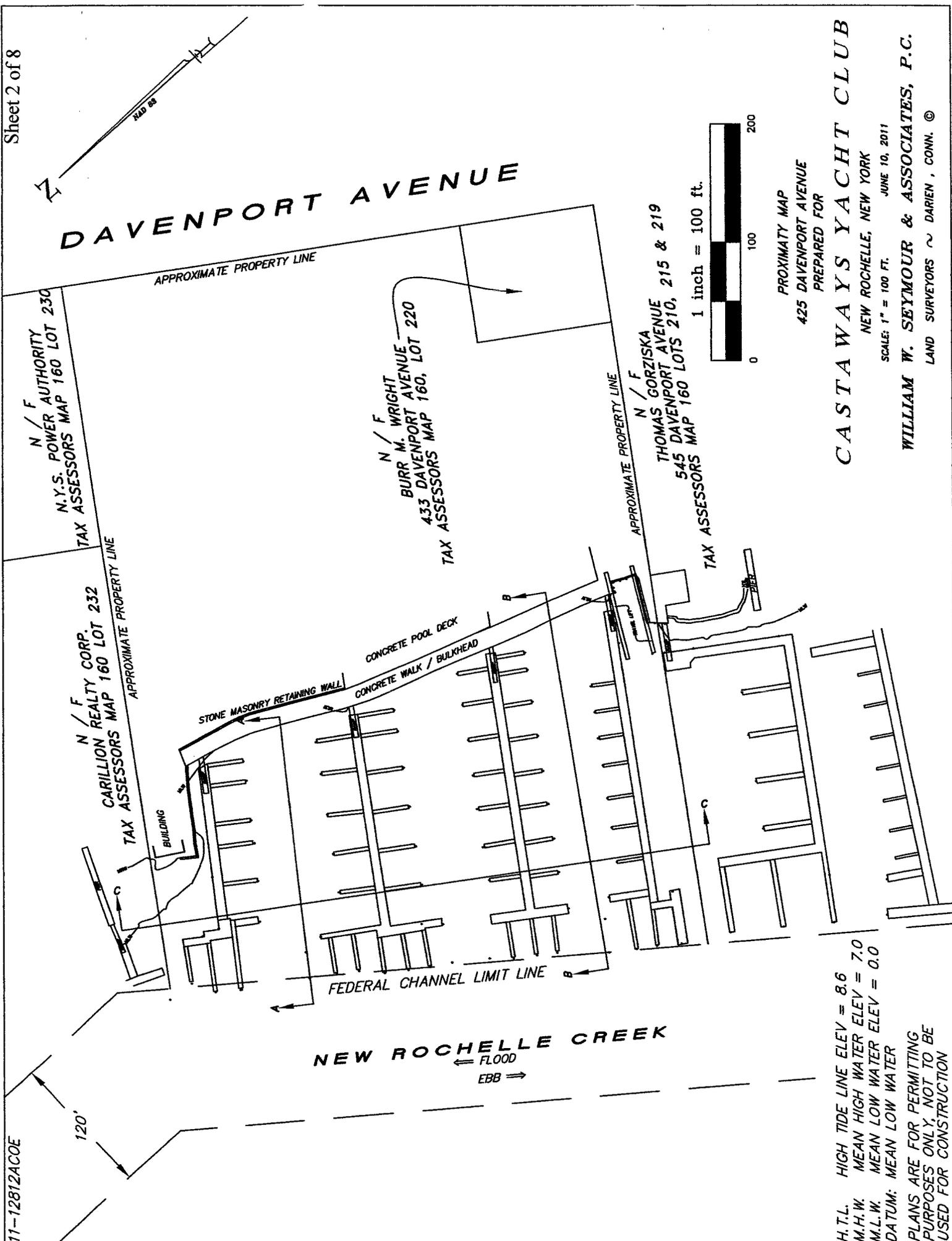
**TAX ASSESSORS MAP 160, LOTS 226 & 228**

PERMITTING AGENT  
 JAMES J. BAJEK, LLC  
 36 POTTER ROAD  
 WILTON, NEW HAMPSHIRE 03086  
 PHONE 603-654-5350  
 FAX 603-654-5610  
 JJBAJEK@COMCAST.NET

1 inch = 800 ft.

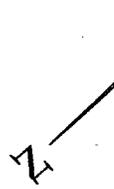


**LOCATION MAP**  
**425 DAVENPORT AVENUE**  
 PREPARED FOR  
**CASTAWAYS YACHT CLUB**  
 NEW ROCHELLE, NEW YORK  
 SCALE: 1" = 800 FT.      JUNE 10, 2011  
**WILLIAM W. SEYMOUR & ASSOCIATES, P.C.**  
 LAND SURVEYORS ~ DARIEN, CONN. ©



11-12812AC0E

120'



ROAD 98

# DAVENPORT AVENUE

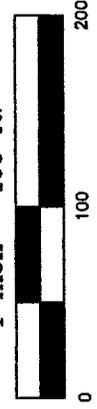
N / F  
N.Y.S. POWER AUTHORITY  
TAX ASSESSORS MAP 160 LOT 230

N / F  
CARILLION REALTY CORP.  
TAX ASSESSORS MAP 160 LOT 232

N / F  
BURR M. WRIGHT  
433 DAVENPORT AVENUE, LOT 220  
TAX ASSESSORS MAP 160, LOT 220

N / F  
THOMAS GORZISKA  
545 DAVENPORT AVENUE, LOTS 210, 215 & 219  
TAX ASSESSORS MAP 160

1 inch = 100 ft.



PROXIMITY MAP  
425 DAVENPORT AVENUE  
PREPARED FOR

## CASTAWAYS YACHT CLUB

NEW ROCHELLE, NEW YORK

JUNE 10, 2011

SCALE: 1" = 100 FT.

WILLIAM W. SEYMOUR & ASSOCIATES, P.C.

LAND SURVEYORS ~ DARIEN, CONN. ©

### NEW ROCHELLE CREEK

← FLOOD  
EBB →

FEDERAL CHANNEL LIMIT LINE

H.T.L. HIGH TIDE LINE ELEV = 8.6  
M.H.W. MEAN HIGH WATER ELEV = 7.0  
M.L.W. MEAN LOW WATER ELEV = 0.0  
DATUM: MEAN LOW WATER

PLANS ARE FOR PERMITTING  
PURPOSES ONLY, NOT TO BE  
USED FOR CONSTRUCTION

# CASTAWAYS YACHT CLUB

NEW ROCHELLE, NEW YORK

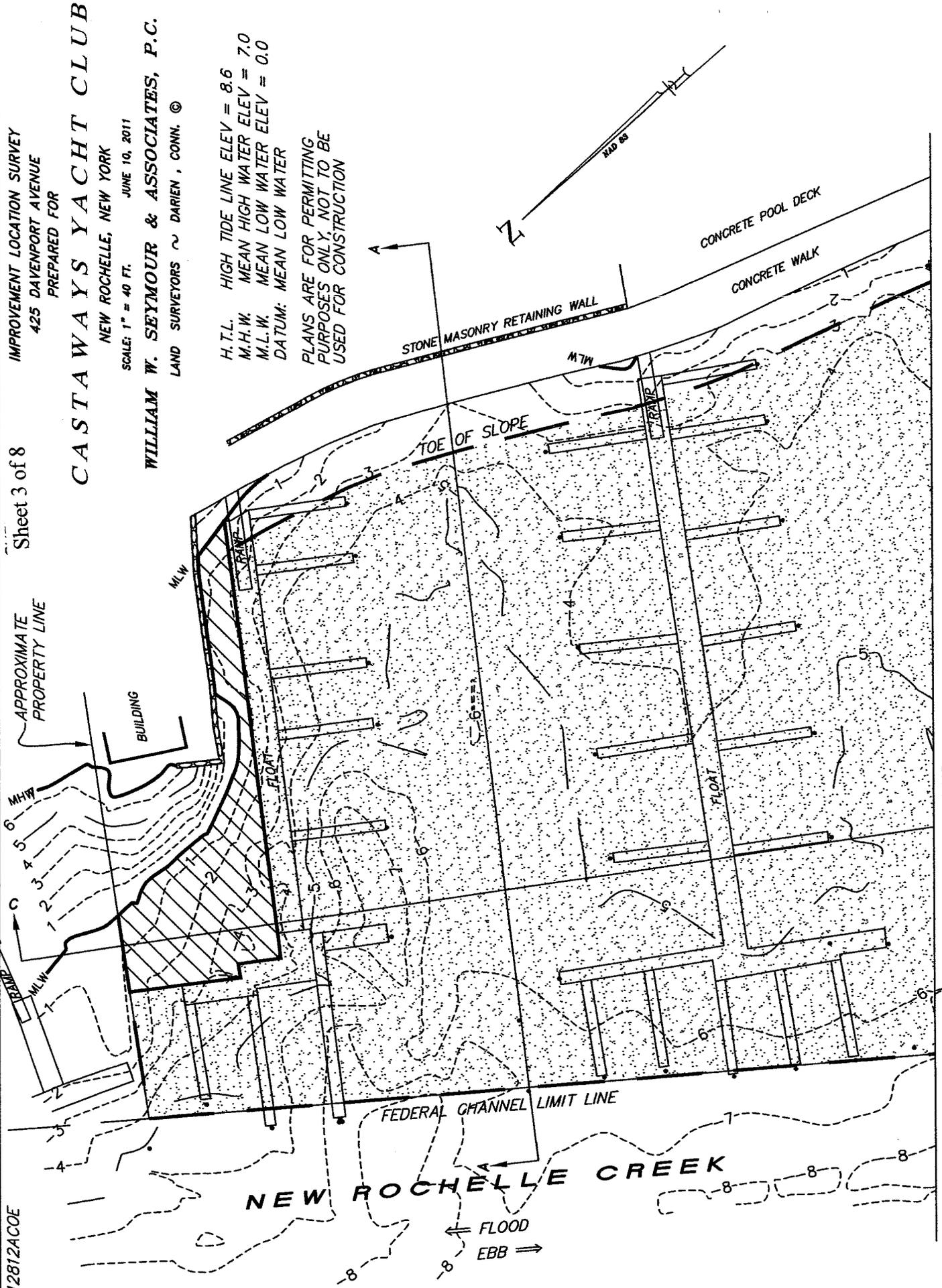
JUNE 10, 2011

WILLIAM W. SEYMOUR & ASSOCIATES, P.C.

LAND SURVEYORS ~ DARIEN, CONN. ©

H.T.L. HIGH TIDE LINE ELEV = 8.6  
M.H.W. MEAN HIGH WATER ELEV = 7.0  
M.L.W. MEAN LOW WATER ELEV = 0.0  
DATUM: MEAN LOW WATER

PLANS ARE FOR PERMITTING  
PURPOSES ONLY, NOT TO BE  
USED FOR CONSTRUCTION



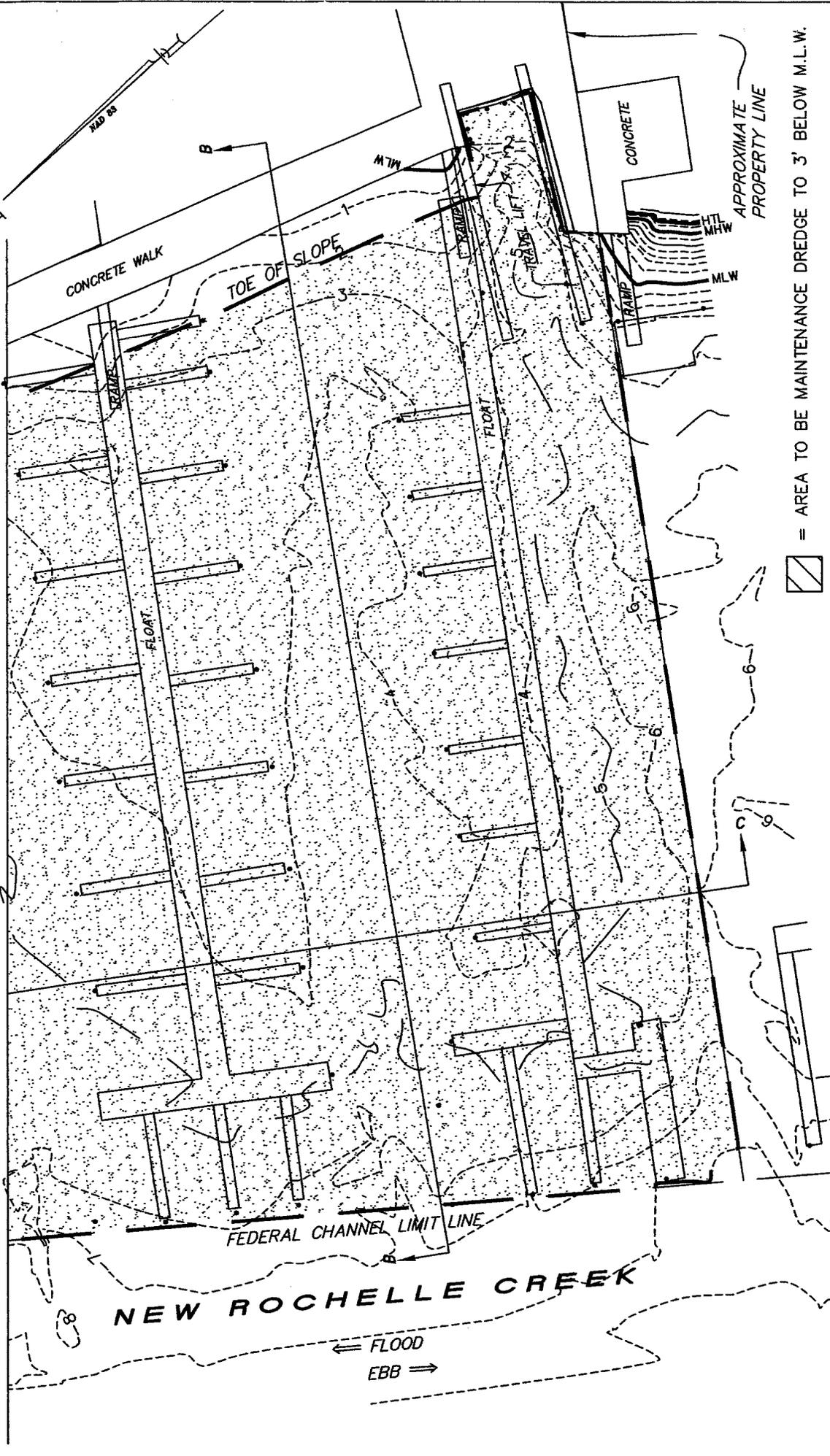
▨ = AREA TO BE MAINTENANCE DREDGE TO 3' BELOW M.L.W.

▩ = AREA TO BE MAINTENANCE DREDGE TO 8' BELOW M.L.W.

MATCH LINE

1 inch = 40 ft.





-  = AREA TO BE MAINTENANCE DREDGE TO 3' BELOW M.L.W.
-  = AREA TO BE MAINTENANCE DREDGE TO 8' BELOW M.L.W.

TOTAL AREA TO BE MAINTENANCE DREDGE TO 3 FT. BELOW M.L.W. = 2,643± SQ.FT.  
 TOTAL VOLUME TO BE MAINTENANCE DREDGE TO 3 FT. BELOW M.L.W. = 120± CU.YDS.  
 TOTAL AREA TO BE MAINTENANCE DREDGE TO 8 FT. BELOW M.L.W. = 96,983± SQ.FT.  
 TOTAL VOLUME TO BE MAINTENANCE DREDGE TO 8 FT. BELOW M.L.W. = 12,350± CU.YDS.

H.T.L. HIGH TIDE LINE ELEV = 8.6  
 M.H.W. MEAN HIGH WATER ELEV = 7.0  
 M.L.W. MEAN LOW WATER ELEV = 0.0  
 DATUM: MEAN LOW WATER

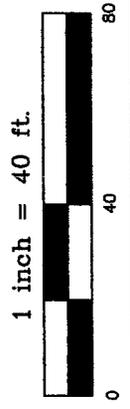
PLANS ARE FOR PERMITTING PURPOSES ONLY, NOT TO BE USED FOR CONSTRUCTION

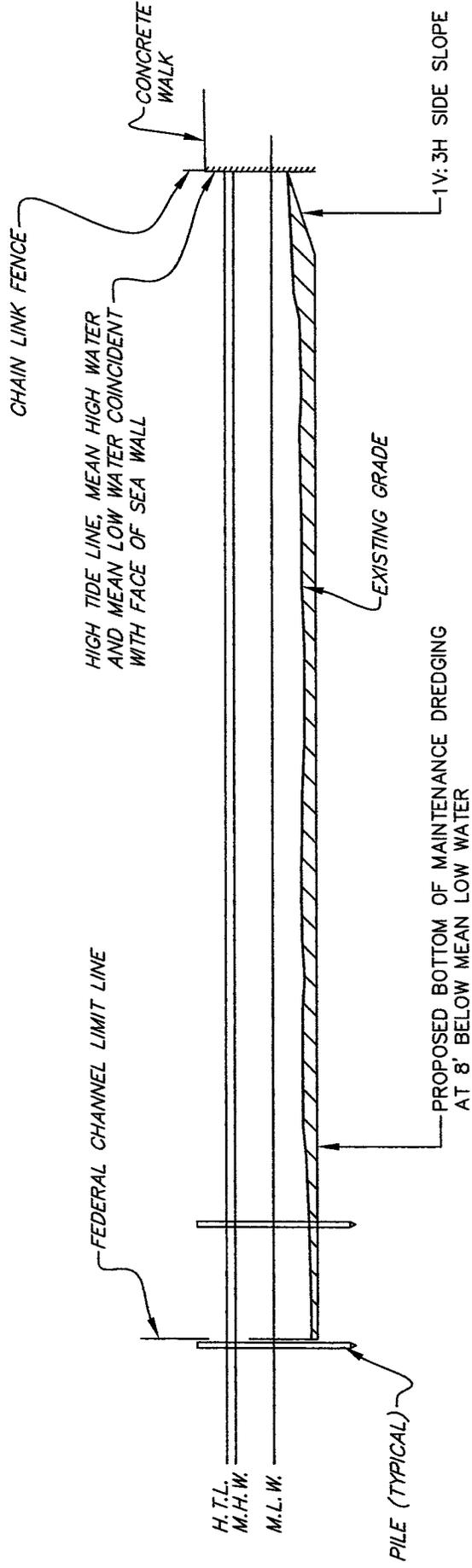
IMPROVEMENT LOCATION SURVEY  
 425 DAVENPORT AVENUE  
 PREPARED FOR

# CASTAWAYS YACHT CLUB

NEW ROCHELLE, NEW YORK  
 JUNE 10, 2011  
 SCALE: 1" = 40 FT.

WILLIAM W. SEYMOUR & ASSOCIATES, P.C.  
 LAND SURVEYORS ~ DARIEN, CONN. ©





### CROSS SECTION A - A

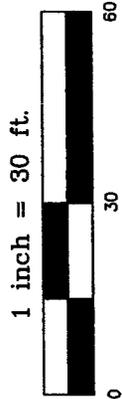
IMPROVEMENT LOCATION SURVEY  
 DEPICTING PROPOSED CROSS SECTION  
 425 DAVENPORT AVENUE  
 PREPARED FOR

# CASTAWAYS YACHT CLUB

NEW ROCHELLE, NEW YORK

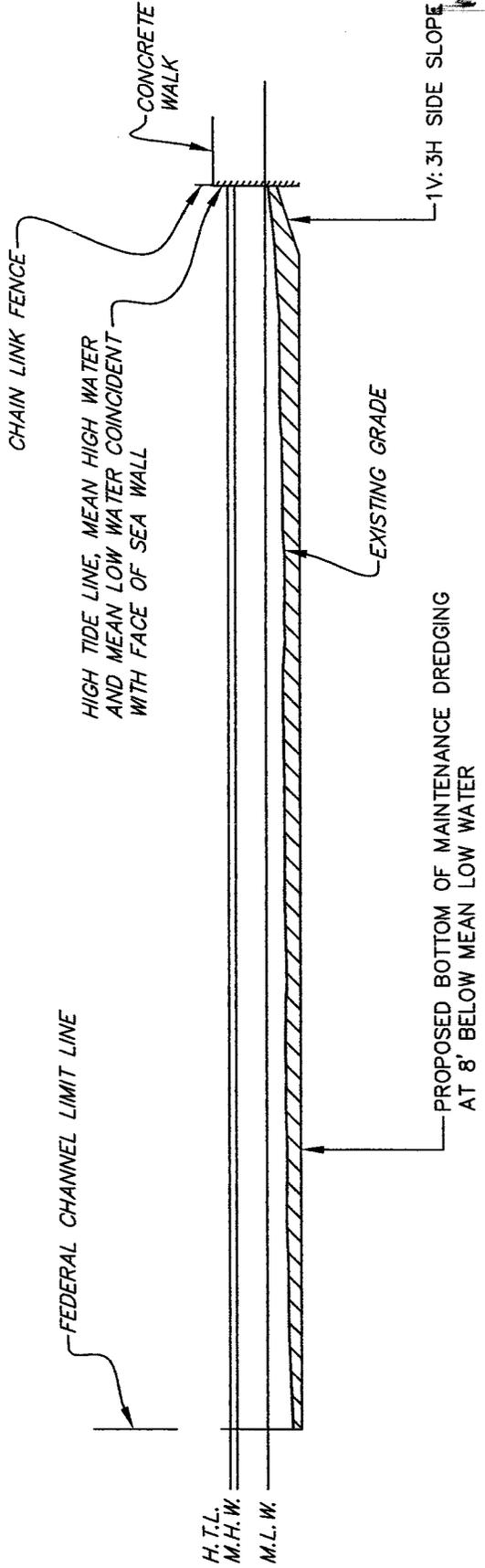
SCALE: 1" = 30 FT.      JUNE 10, 2011

WILLIAM W. SEYMOUR & ASSOCIATES, P.C.



H.T.L. HIGH TIDE LINE ELEV = 8.6  
 M.H.W. MEAN HIGH WATER ELEV = 7.0  
 M.L.W. MEAN LOW WATER ELEV = 0.0  
 DATUM: MEAN LOW WATER

PLANS ARE FOR PERMITTING  
 PURPOSES ONLY, NOT TO BE  
 USED FOR CONSTRUCTION



CROSS SECTION B - B

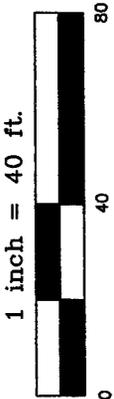
IMPROVEMENT LOCATION SURVEY  
 DEPICTING PROPOSED CROSS SECTION  
 425 DAVENPORT AVENUE  
 PREPARED FOR

**CASTAWAYS YACHT CLUB**

NEW ROCHELLE, NEW YORK

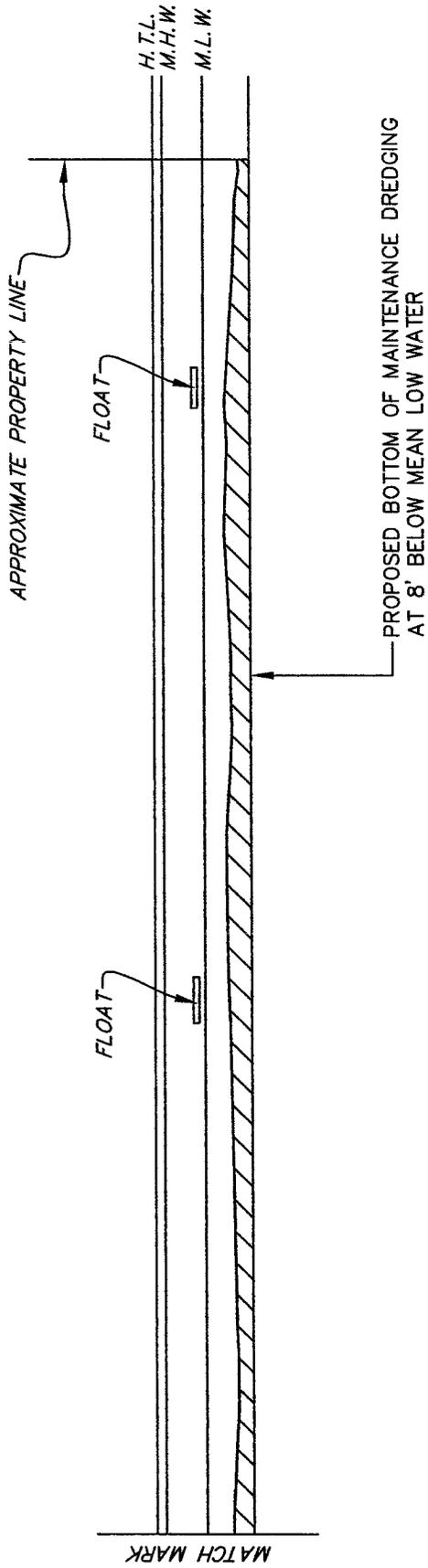
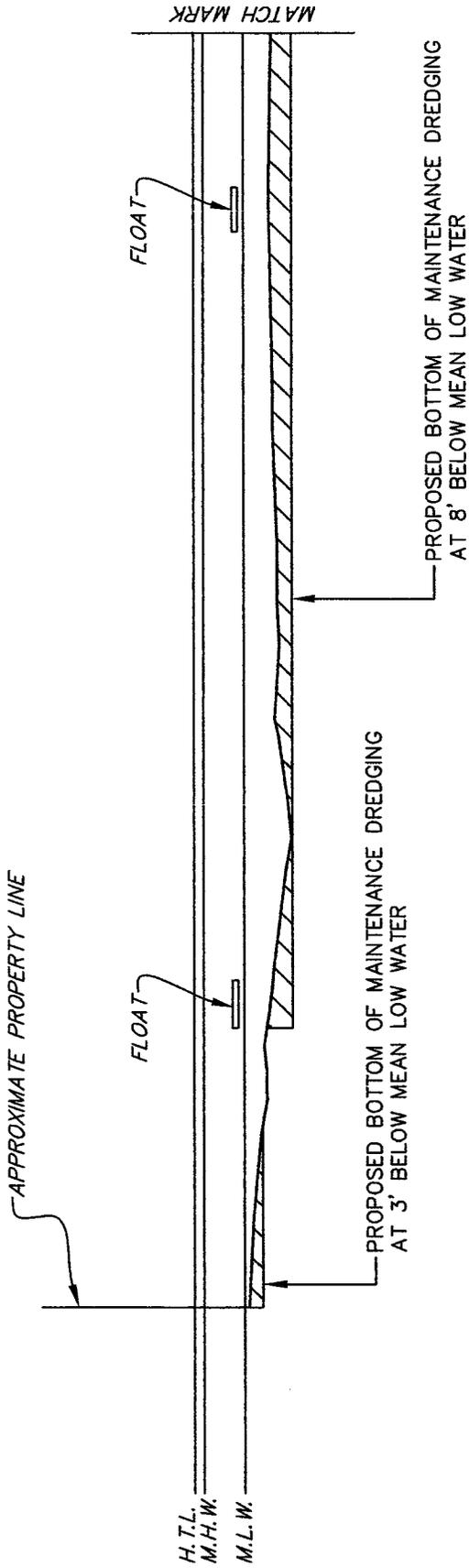
SCALE: 1" = 40 FT.      JUNE 10, 2011

**WILLIAM W. SEYMOUR & ASSOCIATES, P.C.**



H.T.L. HIGH TIDE LINE ELEV = 8.6  
 M.H.W. MEAN HIGH WATER ELEV = 7.0  
 M.L.W. MEAN LOW WATER ELEV = 0.0  
 DATUM: MEAN LOW WATER

PLANS ARE FOR PERMITTING  
 PURPOSES ONLY, NOT TO BE  
 USED FOR CONSTRUCTION



### CROSS SECTION C - C

IMPROVEMENT LOCATION SURVEY  
 DEPICTING PROPOSED CROSS SECTION  
 425 DAVENPORT AVENUE  
 PREPARED FOR

H.T.L. HIGH TIDE LINE ELEV = 8.6  
 M.H.W. MEAN HIGH WATER ELEV = 7.0  
 M.L.W. MEAN LOW WATER ELEV = 0.0  
 DATUM: MEAN LOW WATER

1 inch = 30 ft.



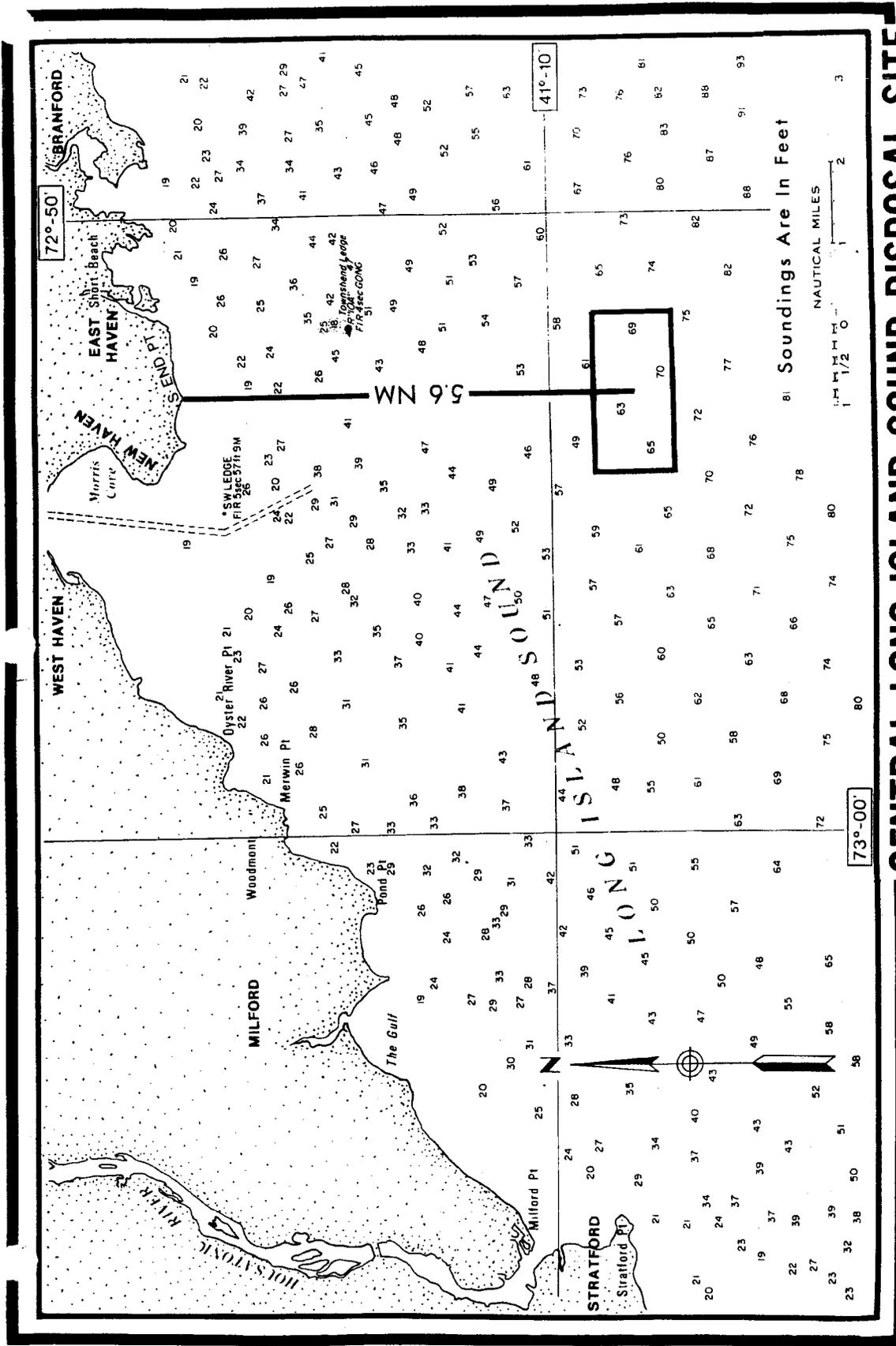
# CASTAWAYS YACHT CLUB

NEW ROCHELLE, NEW YORK

SCALE: 1" = 30 FT. JUNE 10, 2011

WILLIAM W. SEYMOUR & ASSOCIATES, P.C.

PLANS ARE FOR PERMITTING PURPOSES ONLY, NOT TO BE



# CENTRAL LONG ISLAND SOUND DISPOSAL SITE

Description: This site is 2 nautical miles long by 1 nautical mile wide with the major axis running true east-west and center at 41°-08.95'N latitude and 72°-52.85'W longitude. From the center, Southwest Ledge Light bears true 345° at 10,750 yards and Townshend Ledge Lighted Gong Buoy No. "10-A" bears true 13° at 7,400 yards. This site is approximately 5.6 nautical miles off South End Point, East Haven. Depth Range: 49-75 feet MLW. The authorized disposal point (within the overall disposal area) is specified for each dredging project in other project documents.

NOTE: The map depicts the disposal site's location in relation to landmarks. It is not intended for use in navigation.