



# PUBLIC NOTICE

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

**In replying refer to:**  
Public Notice Number: **NAN-2022-00976-EMI**  
Issue Date: **May 9, 2023**  
Expiration Date: **June 8, 2023**

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 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

**APPLICANT:** New York City Department of Parks and Recreation  
117-02 Roosevelt Avenue  
Olmsted Center  
Flushing Meadows Corona Park  
Flushing, New York 11368

**ACTIVITY:** Marina Rehabilitation & Maintenance Dredging

**WATERWAY:** Lemon Creek

**LOCATION:** Lemon Creek Marina – 91 Trenton Court & 590 Seguire Avenue, Borough of Staten Island, Richmond County, City of New York, New York

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 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.

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ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND EMAILED 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, in writing, 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 email is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

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 (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial because it is expected that fish populations would avoid the small area of disturbance. Further consultation with NOAA/FS regarding EFH impacts and 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, the project is located adjacent to the Seguine House which is listed on the National Register and the Manee-Seguine Homestead, which is listed as eligible for listing in the National Register. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit. USACE's preliminary determination is that the proposed work will have no adverse effect to the historic properties.

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

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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, 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.

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:

- 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. Please send all comments and questions concerning this application to [Christopher.W.Minck@usace.army.mil](mailto:Christopher.W.Minck@usace.army.mil).

In order for us to better serve you, please complete our Customer Service Survey located 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>.

 Digitally signed by  
Rosita Miranda

**FOR AND IN BEHALF OF**  
Stephan A. Ryba  
Chief, Regulatory Branch

Enclosures

## **WORK DESCRIPTION**

The permit applicant, New York City Department of Parks and Recreation (NYCDPR) has requested Department of the Army (DA) authorization for rehabilitation of the Lemon Creek Marina and ten-year maintenance dredging. The project is located in Lemon Creek in the Borough of Staten Island, Richmond County, City of New York, New York.

The proposed work would involve the following:

### **Small Boat Basin:**

Remove and replace approximately 185 linear feet of bulkhead. Along Clubhouse 1 approximately 55 linear feet will be replaced approximately 20 inches landward of existing and approximately 106 linear feet will be replaced approximately 12 inches seaward of existing and backfilled with clean fill. Along the Pump-Out Station approximately 46 linear feet will be replaced approximately 12 inches landward of existing and approximately 38 linear feet will be installed approximately 20 inches seaward of existing and backfilled with clean fill. Additionally at the pump-out station, replace the existing pump and piping and construct an approximately 17-foot-wide by 41-foot-long concrete pump-out station pad. Approximately 71 cubic yards of fill would be discharged below the plane of Spring High Water behind the new bulkheads.

Additionally, replace, in-place approximately 2,250 square feet of existing timber floating dock structures and approximately 225 square feet of new ramp/gangways will be installed. The new floating dock system will be secured by approximately forty (40) 12-inch diameter timber piles.

### **Large Boat Basin:**

Replace approximately 420 linear feet of bulkhead approximately 16-inches landward of existing. Additionally, replace, in-place approximately 1,615 square feet of existing timber floating dock structures and approximately 90 square feet of ramp/gangway. The new floating dock structures will be secured by approximately thirty-four (34) 12-inch diameter timber piles. The existing approximately 36-foot-wide by 38-foot-long travel lift will also be replaced, in-place, supported by twenty-four (24) 18-inch diameter steel pipe piles filled with a total of approximately 13 cubic yards of concrete below the plane of Spring High Water.

### **Harbor Entrance:**

Along the existing dilapidated bulkhead and concrete pad, construction an approximately 19.5-foot-wide by 167 foot-long riprap revetment over by discharging approximately 435 cubic yards of stone below the plane of Spring High Water.

Additionally, replace, in-place approximately 225 square feet of existing timber floating dock structures and approximately 120 square feet of ramp/gangway. The new floating dock structures will be secured by approximately four (4) 12-inch diameter timber piles.

### **Maintenance Dredging:**

Dredge, with ten-years maintenance, by mechanical dredge approximately 22,150 cubic yards of material over an approximately 29,556 square yard area (approximately 6.1 acres) to a depth of -6.3 feet NAVD88 with one-foot of over dredge. The material will be placed on a barge and decanted offsite prior to upland disposal.

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The applicant plans to conduct four (4) additional dredging events within the ten-year maintenance dredging period removing approximately 8,500 cubic yards of material per event after the initial dredging event. The material would be placed upland at an approved location onsite.

The applicant has stated that they have avoided, minimized, and mitigated for potential impacts proposed to the maximum extent practicable by minimizing the amount of fill discharged into Waters of the United States to the minimum necessary for the bulkhead replacement. Best Management Practices including using a turbidity curtain around the project area to minimize the spread of turbidity and utilizing a vibratory hammer to the maximum extent practicable for pile driving and conducting work from land, as practicable.

The purpose of the project is to repair and rehabilitate the storm damaged marina to ensure safe navigation and operation within the marina. The project is receiving grant funding from the Federal Emergency Management Agency (FEMA).



**LOCATION MAP**

N.T.S.



PURPOSE: SHORELINE  
STABILIZATION

DATUM: NAVD88

ADJACENT OWNERS:  
1. SEE ATTACHED LIST

**LEMON CREEK MARINA**

APPLICANT: NYC DEPT. OF PARKS AND  
RECREATION  
117-02 ROOSEVELT AVENUE  
FLUSHING, NY 11368

AGENT: M.G. McLAREN, P.C.  
131 W 35TH STREET, 4TH FLR  
NEW YORK, NY 10001

LOCATION MAP

IN: 175 JOHNSTON TERRACE  
AT: STATEN ISLAND  
COUNTY OF: RICHMOND STATE: NY





**VICINITY MAP**

N.T.S.



PURPOSE: SHORELINE STABILIZATION

DATUM: NAVD88

ADJACENT OWNERS:  
1. SEE ATTACHED LIST

**LEMON CREEK MARINA**

APPLICANT: NYC DEPT. OF PARKS AND RECREATION  
117-02 ROOSEVELT AVENUE  
FLUSHING, NY 11368

AGENT: M.G. McLAREN, P.C.  
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NEW YORK, NY 10001

VICINITY MAP

IN: 175 JOHNSTON TERRACE  
AT: STATEN ISLAND  
COUNTY OF: RICHMOND STATE: NY

TIDAL DATUM CHART	
DESCRIPTION	NAVD'88
FEMA BFE	VE18, VE15, AE14
SPRING HIGH TIDE (SHT)	2.79'
MEAN HIGHER HIGH WATER (MHHW)	2.62'
MEAN HIGH WATER (MHW)	2.29'
NAVD'88	0.00'
LOCAL MEAN SEA LEVEL (LMSL)	-0.12'
MEAN LOW WATER (MLW)	-2.62'
MEAN LOWER LOW WATER (MLLW)	-2.82'

NOTE:

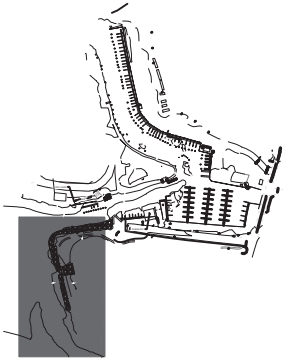
1. FEMA ELEVATION OBTAINED FROM A FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) MAP PANNEL NUMBER 3604970314G DATED 12/05/2013.
2. TIDAL DATUM OBTAINED FROM NOAA VDATUM PROGRAM VERSION 4.0.

**TIDAL DATA CHART**

<p>PURPOSE: SHORELINE STABILIZATION</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: 1. SEE ATTACHED LIST</p>	<p style="text-align: center;"><b>LEMON CREEK MARINA</b></p> <p>APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368</p> <p>AGENT: M.G. McLAREN, P.C. 131 W 35TH STREET, 4TH FLR NEW YORK, NY 10001</p>	<p style="text-align: center;">TIDAL DATA CHART</p> <p>IN: 175 JOHNSTON TERRACE AT: STATEN ISLAND COUNTY OF: RICHMOND STATE: NY</p> <p>SHT 3 OF 37 <span style="float: right;">05/20/2022</span></p>
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MATCHLINE A, SEE SHEET 5




**KEY PLAN**



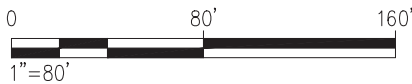
**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1500 FT AWAY FROM PROJECT SITE.

**LINETYPE LEGEND:**

- MLW - - - - - MLW
- MHW - - - - - MHW
- SHT - - - - - SHT
- MAJOR CONTOUR
- MINOR CONTOUR
- (3' CLF) - - - - - 3' CHAIN LINK FENCE
- DEC ADJACENT AREA LINE
- ⊖ PILE SYMBOL
- TREE
- ⊗ STUMP
- ⊙ TREE LOCATION APPROX.
-  RIPRAP

**EXISTING PARTIAL PLAN  
1 OF 5 - MARINA APPROACH**



**PURPOSE:** SHORELINE STABILIZATION

**DATUM:** NAVD88

**ADJACENT OWNERS:**  
1. SEE ATTACHED LIST

**LEMON CREEK MARINA**

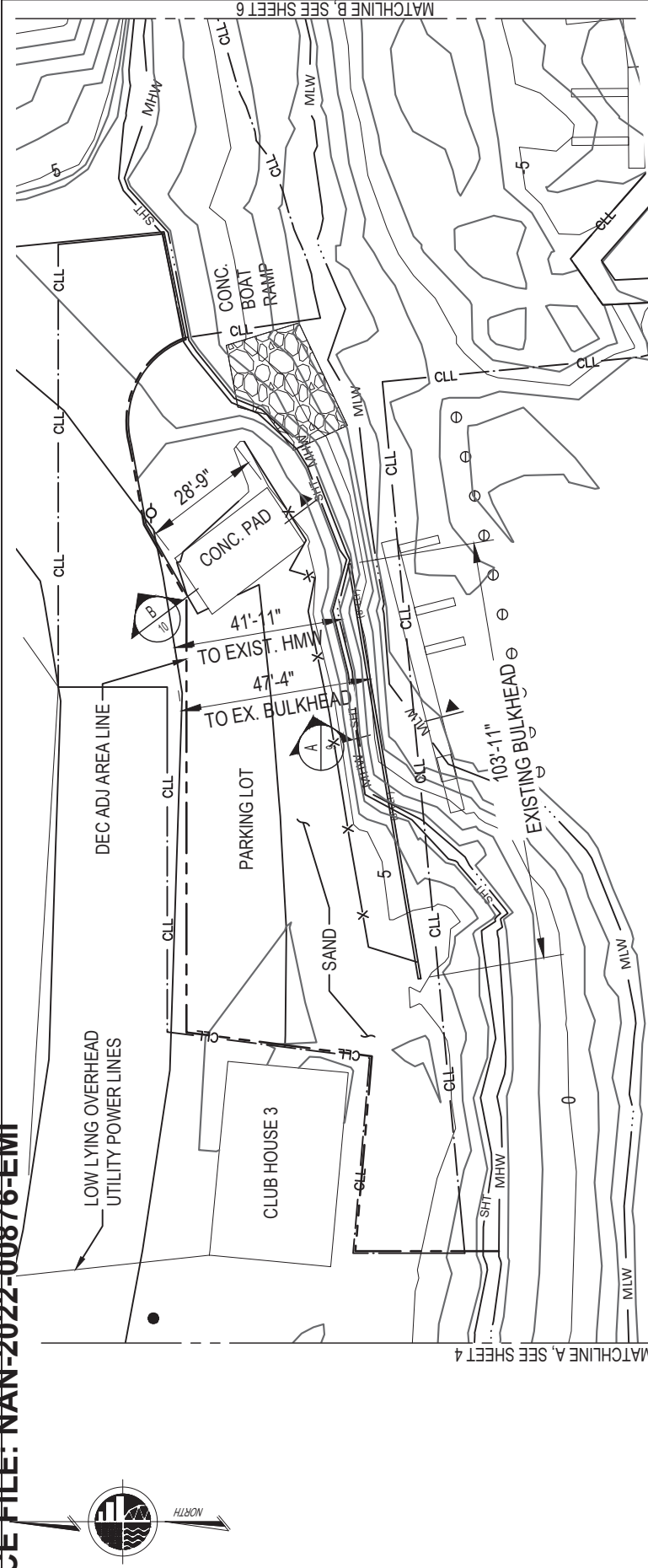
**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
117-02 ROOSEVELT AVENUE  
FLUSHING, NY 11368

**AGENT:** M.G. McLAREN, P.C.  
131 W 35TH STREET, 4TH FLR  
NEW YORK, NY 10001

**EXISTING PARTIAL PLAN 1 OF 5 - MARINA APPROACH**

**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND **STATE:** NY

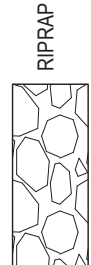
SHT 4 OF 37 05/20/2022



**LINETYPE LEGEND:**

- MLW
- - - MHW
- · - SHT
- MAJOR CONTOUR
- MINOR CONTOUR
- (8' CLF) - 8' CHAIN LINK FENCE
- CLL - CONTRACTOR LIMIT LINES
- - - DEC ADJACENT AREA LINE

- TREE
- ⊗ STUMP

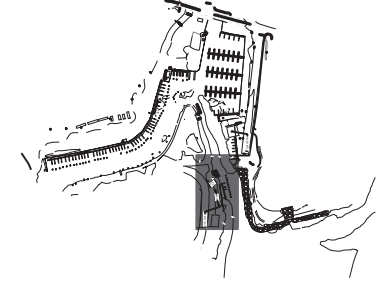


⊖ PILE SYMBOL

**EXISTING PARTIAL PLAN  
2 OF 5 - NORTH SHORE**



**KEY PLAN**



**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT., NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1500 FT AWAY FROM PROJECT SITE.

**PURPOSE:** SHORELINE STABILIZATION  
**DATUM:** NAVD 88  
**ADJACENT OWNERS:**  
 1. SEE ATTACHED LIST

**AGENT:** M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

**LEMON CREEK MARINA**

**EXISTING PARTIAL PLAN  
2 OF 5 - NORTH SHORE**

**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND **STATE:** NY

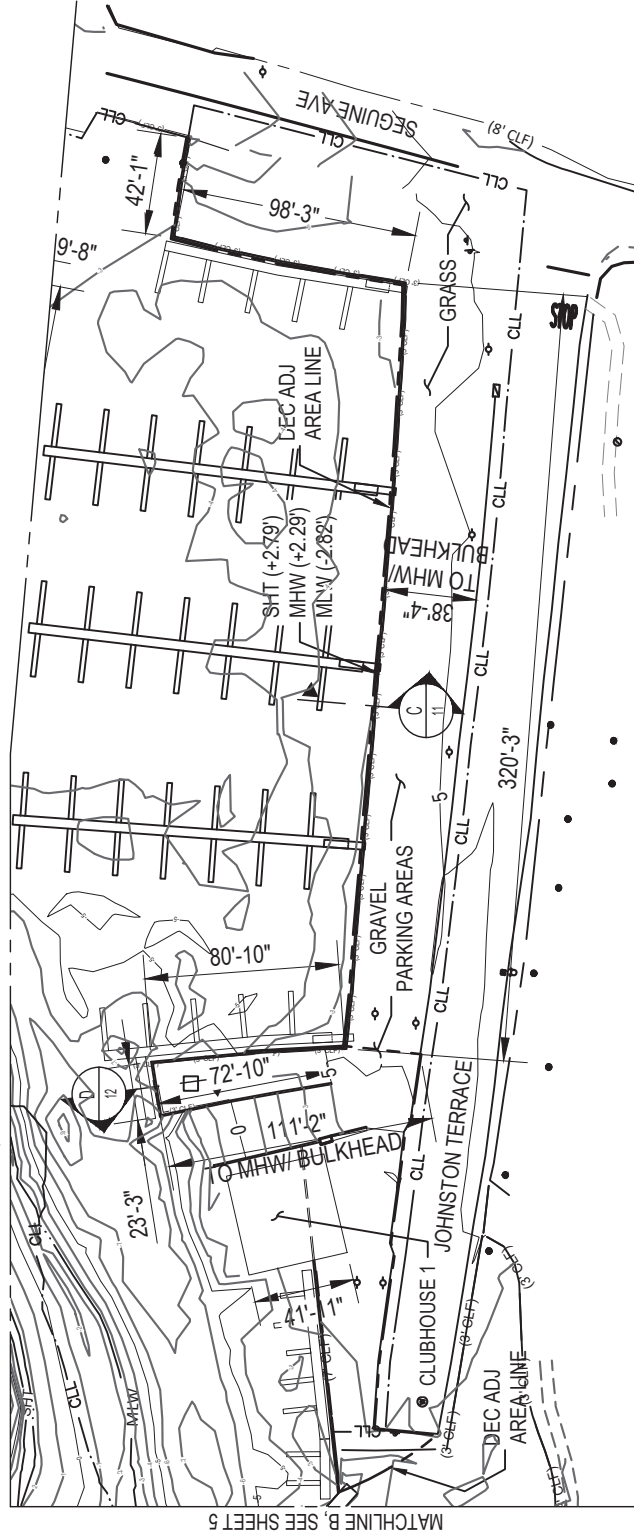
**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

05/20/2022

SHT 5 OF 37

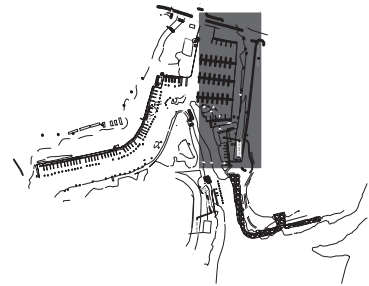
MATCHLINE B. SEE SHEET 6

MATCHLINE A. SEE SHEET 4



NOTES:

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1500 FT AWAY FROM PROJECT SITE.
3. THERE ARE APPROXIMATELY 50 TOTAL EXISTING STEEL PIPE PILES IN THE LARGE BOAT AND SMALL BOAT BASIN. THE LOCATION OF THE PILES WERE NOT SURVEYED, AND ARE NOT SHOWN, CONTRACTOR TO VERIFY IN FIELD.
4. DEC ADJ AREA LINE OCCURS AT THE BULKHEAD UNLESS OTHERWISE INDICATED. TOTAL LENGTH OF EXISTING BULKHEAD IS 637.5 LF

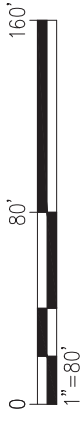


KEY PLAN

EXISTING PARTIAL PLAN 3 OF 5  
- PUMP OUT STATION  
AND SMALL BOAT BASIN

LINETYPE LEGEND:

- MAJOR CONTOUR
- MINOR CONTOUR
- (5' CLF) - 5' CHAIN LINK FENCE
- (8' CLF) - 8' CHAIN LINK FENCE
- CLL - CONTRACTOR LIMIT LINES
- DEC ADJ AREA LINE
- TREE
- STUMP



PURPOSE: SHORELINE STABILIZATION  
 DATUM: NAVD 88  
 ADJACENT OWNERS:  
 1. SEE ATTACHED LIST

LEMON CREEK MARINA

EXISTING PARTIAL PLAN 3 OF 5  
- PUMP OUT STATION

IN: 175 JOHNSTON TERRACE  
 AT: STATEN ISLAND  
 COUNTY OF: RICHMOND STATE: NY

APPLICANT: NYC DEPT. OF PARKS  
 AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

05/20/2022

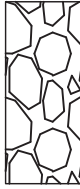
AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

SHT 6 OF 37



**LINETYPE LEGEND:**

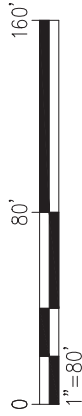
- MLW
- MHW
- - - SHT
- MAJOR CONTOUR
- MINOR CONTOUR
- (3' CLF)
- (8' CLF)
- CLL
- - - CONTRACTOR LIMIT LINES
- - - DEC ADJACENT AREA LINE



RIPRAP

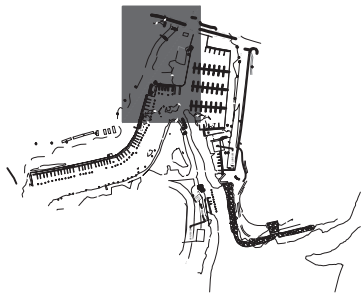
- PILE SYMBOL
- TREE
- ⊗ STUMP

**EXISTING PARTIAL  
PLAN 4 OF 5 - LARGE BOAT  
BASIN SOUTHERN EXTENTS**

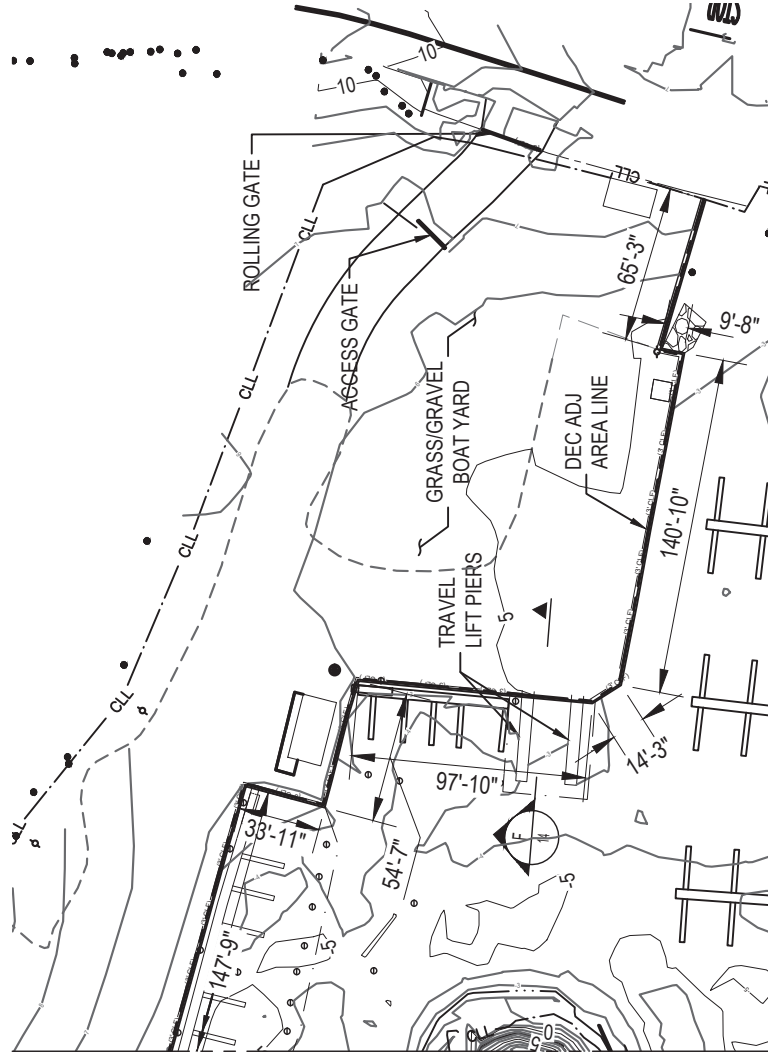


PURPOSE: SHORELINE STABILIZATION  
 DATUM: NAVD 88  
 ADJACENT OWNERS:  
 1. SEE ATTACHED LIST

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001



**KEY PLAN**



MATCHLINE D, SEE SHEET 8

MATCHLINE C, SEE SHEET 6

**NOTES:**

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- 3.
4. THERE ARE APPROXIMATELY 50 TOTAL EXISTING STEEL PIPE PILES IN THE LARGE BOAT AND SMALL BOAT BASIN. THE LOCATION OF THE PILES WERE NOT SURVEYED, AND ARE NOT SHOWN, CONTRACTOR TO VERIFY IN FIELD.
5. DEC ADJ AREA LINE OCCURS AT THE BULKHEAD UNLESS OTHERWISE INDICATED.

PURPOSE: SHORELINE STABILIZATION

DATUM: NAVD 88

ADJACENT OWNERS:

1. SEE ATTACHED LIST

**LEMON CREEK MARINA**

EXISTING PARTIAL PLAN 4 OF 5

LARGE BOAT BASIN

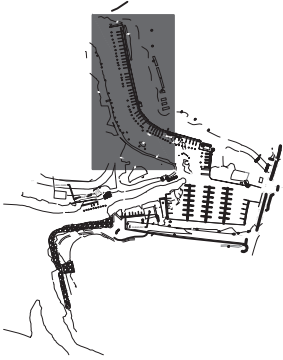
IN: 175 JOHNSTON TERRACE  
 AT: STATEN ISLAND  
 COUNTY OF: RICHMOND STATE: NY

APPLICANT: NYC DEPT. OF PARKS  
 AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

05/20/2022

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**KEY PLAN**

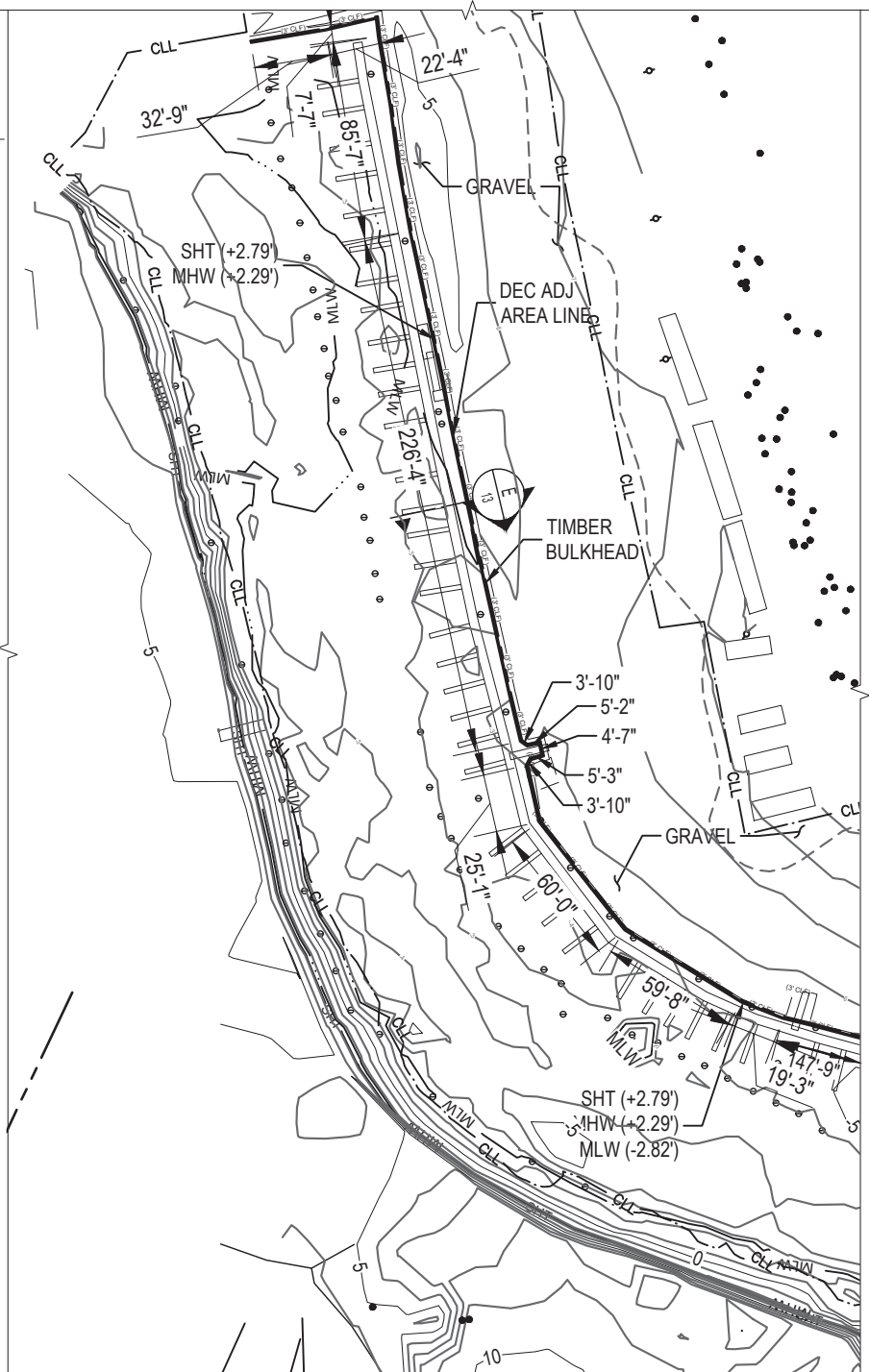
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4. THERE ARE APPROXIMATELY 50 TOTAL EXISTING STEEL PIPE PILES IN THE LARGE BOAT AND SMALL BOAT BASIN. THESE ARE PROPOSED TO BE REMOVED. THE LOCATION OF THE PILES WERE NOT SURVEYED AND ARE NOT SHOWN, CONTRACTOR TO VERIFY ON FIELD.
5. DEC ADJ AREA LINE OCCURS AT THE BULKHEAD.

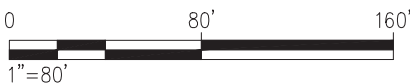
**LINETYPE LEGEND:**

- MLW - - - - - MLW
- MHW - - - - - MHW
- SHT - - - - - SHT
- MAJOR CONTOUR
- MINOR CONTOUR
- (3' CLF) - - - - - 3' CHAIN LINK FENCE
- CLL ——— CONTRACTOR LIMIT LINES
- DEC ADJACENT AREA LINE
- ⊙ PILE SYMBOL
- TREE
- ⊗ STUMP

**EXISTING PARTIAL PLAN 5 OF 5 - LARGE BOAT BASIN SOUTHERN EXTENTS**



MATCHLINE D, SEE SHEET 7



**PURPOSE:** SHORELINE STABILIZATION

**DATUM:** NAVD88

**ADJACENT OWNERS:**  
1. SEE ATTACHED LIST

**LEMON CREEK MARINA**

**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
117-02 ROOSEVELT AVENUE  
FLUSHING, NY 11368

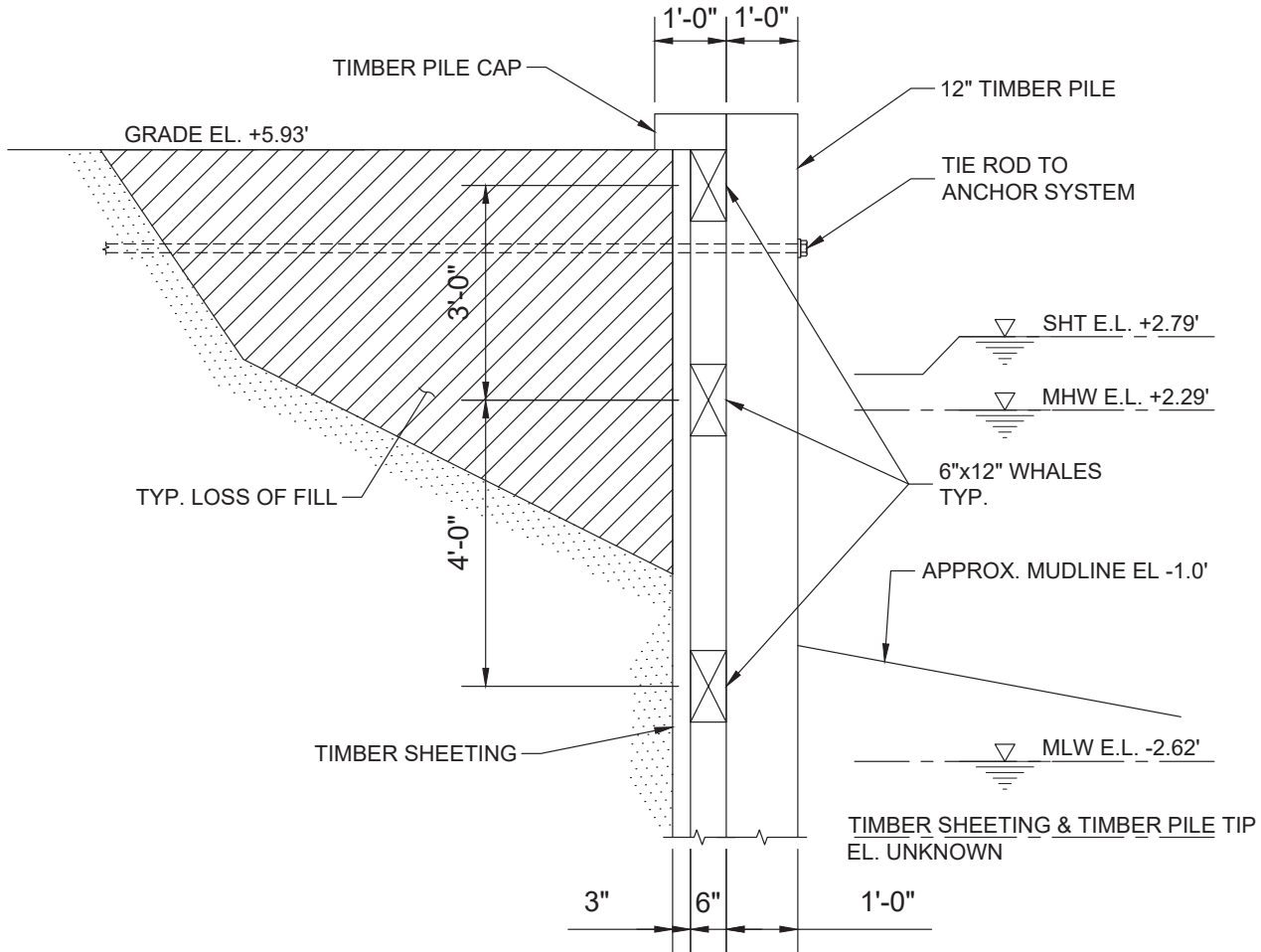
**AGENT:** M.G. McLAREN, P.C.  
131 W 35TH STREET, 4TH FLR  
NEW YORK, NY 10001

**EXISTING PARTIAL PLAN 5 OF 5 - LARGE BOAT BASIN**

**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND **STATE:** NY

SHT 8 OF 37

05/20/2022



**BULKHEAD AT HARBOR  
ENTRANCE EXIST. SECTION**

**A**  
9

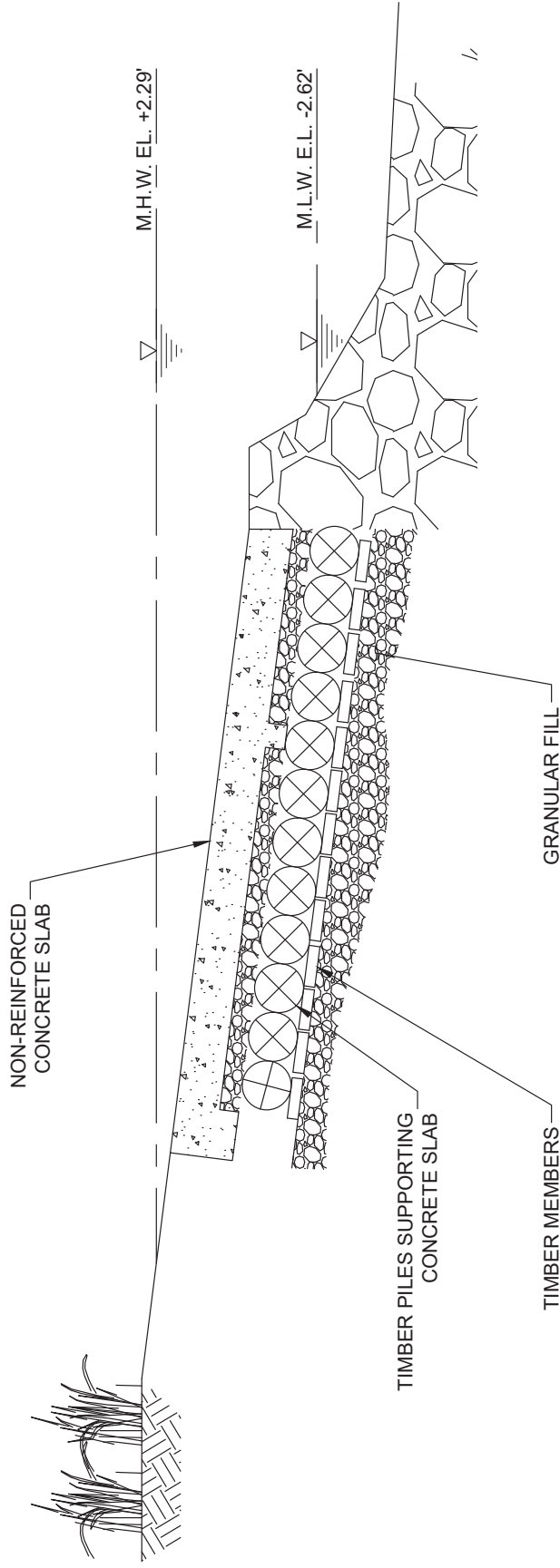
3/8" = 1'-0"

**NOTES:**

1. LOSS AND EROSION OF FILL BEHIND BULKHEAD FOR UP TO 5' DUE TO CROSS SECTION LOSS IN THE TIMBER SHEETING.
2. WAVE ACTION IN THIS AREA HAS LEFT THIS BULKHEAD SEVERELY DAMAGED. AS A RESULT PARTS OF THE BULKHEAD ARE MISSING, BROKEN OR HAVE BEEN WASHED AWAY. SECTION SHOWS COMPOSITION OF BULKHEAD PRIOR TO DAMAGE.

<p>PURPOSE: SHORELINE STABILIZATION</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: 1. SEE ATTACHED LIST</p>	<p style="text-align: center;">LEMON CREEK MARINA</p> <p>APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368</p> <p>AGENT: M.G. McLAREN, P.C. 131 W 35TH STREET, 4TH FLR NEW YORK, NY 10001</p>	<p style="text-align: center;">EXISTING SECTIONS 1 OF 6</p> <p>IN: 175 JOHNSTON TERRACE AT: STATEN ISLAND COUNTY OF: RICHMOND STATE: NY</p> <p>SHT 9 OF 37 <span style="float: right;">05/20/2022</span></p>
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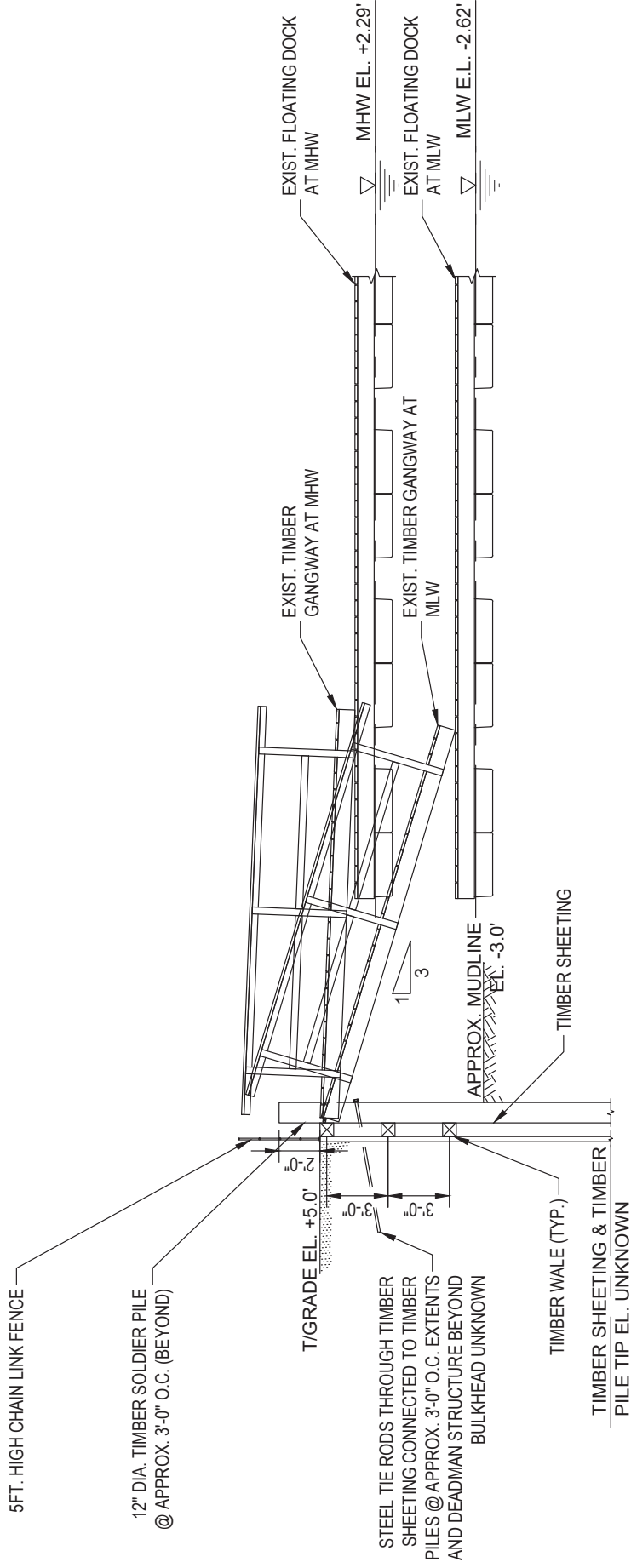
**B CONCRETE PAD AT NORTH SHORE EXIST. SECTION**

3/16" = 1'-0"

10

PURPOSE: SHORELINE STABILIZATION DATUM: NAVD 88 ADJACENT OWNERS: 1. SEE ATTACHED LIST	LEMON CREEK MARINA	EXISTING SECTION 2 OF 6
IN: 175 JOHNSTON TERRACE AT: STATEN ISLAND COUNTY OF: RICHMOND STATE: NY	APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368	05/20/2022  SHT 10 OF 37

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001



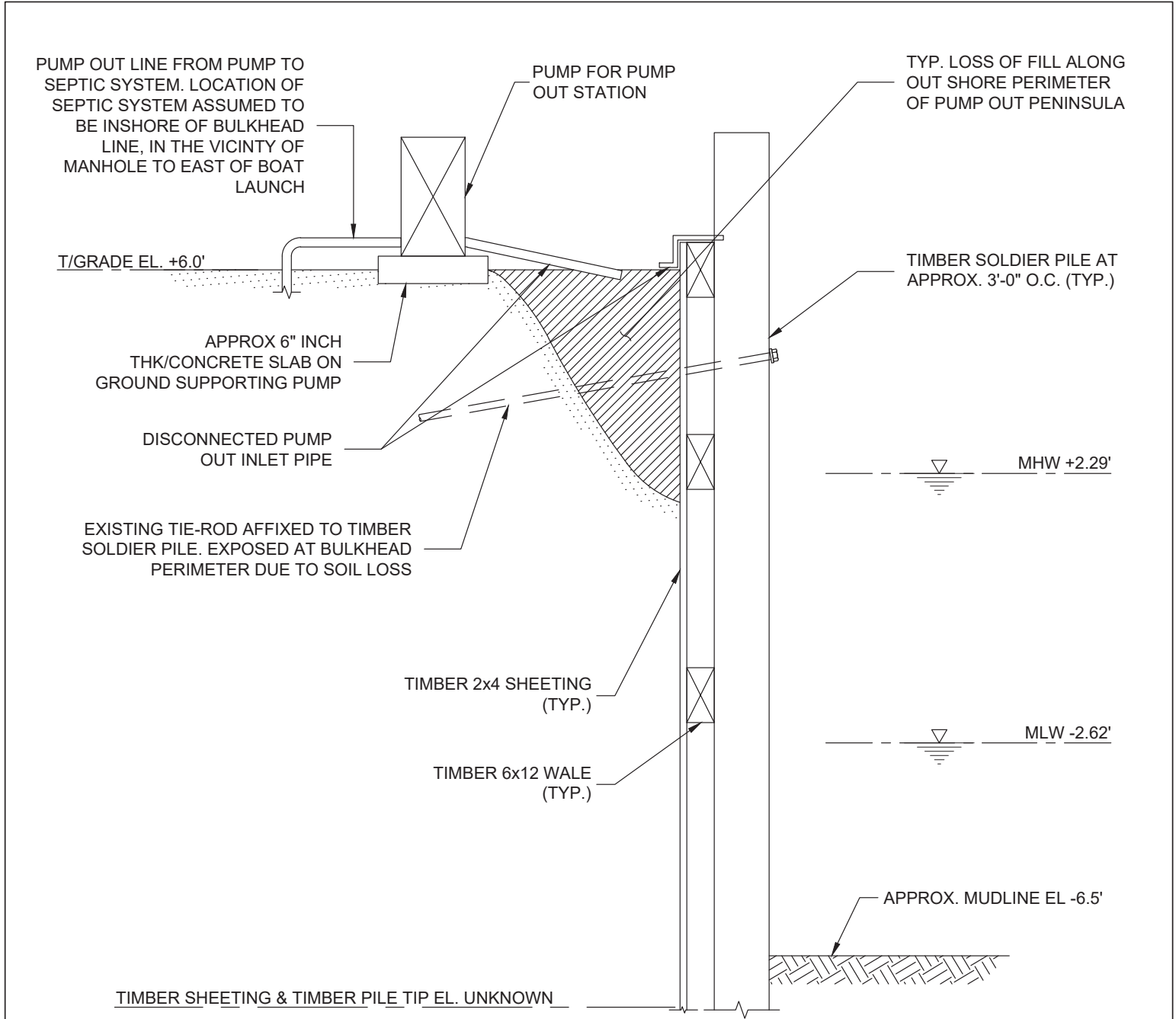
**FLOATING DOCK AND GANGWAY AT  
SMALL BOAT BASIN EXIST. SECTION**

1/8" = 1'-0"

**C**  
11

<p>PURPOSE: SHORELINE STABILIZATION          DATUM: NAVD 88          ADJACENT OWNERS:          1. SEE ATTACHED LIST</p>	<p>LEMON CREEK MARINA</p>	<p>EXISTING          SECTIONS 3 OF 6</p>
<p>IN: 175 JOHNSTON TERRACE          AT: STATEN ISLAND          COUNTY OF: RICHMOND STATE: NY</p>	<p>APPLICANT: NYC DEPT. OF PARKS          AND RECREATION          117-02 ROOSEVELT AVENUE          FLUSHING, NY 11368</p>	<p>05/20/2022</p> <p>SHT 11 OF 37</p>

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

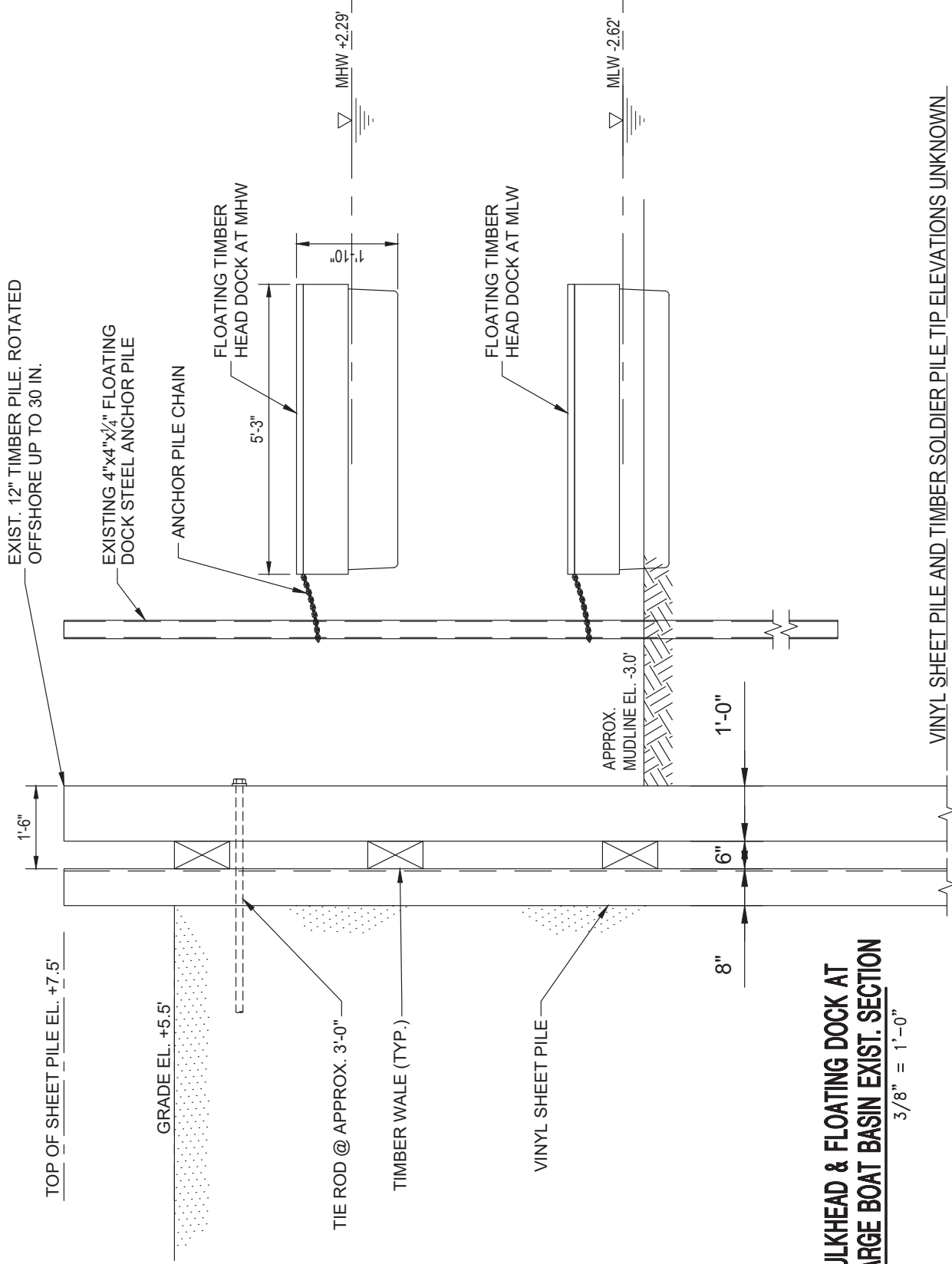


**D**  
12

**BULKHEAD AT PUMP OUT STATION EXIST. SECTION**

3/8" = 1'-0"

<p>PURPOSE: SHORELINE STABILIZATION</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: 1. SEE ATTACHED LIST</p>	<p>LEMON CREEK MARINA</p> <p>APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368</p> <p>AGENT: M.G. McLAREN, P.C. 131 W 35TH STREET, 4TH FLR NEW YORK, NY 10001</p>	<p>EXISTING SECTIONS 4 OF 6</p> <p>IN: 175 JOHNSTON TERRACE AT: STATEN ISLAND COUNTY OF: RICHMOND STATE: NY</p> <p>SHT 12 OF 37 05/20/2022</p>
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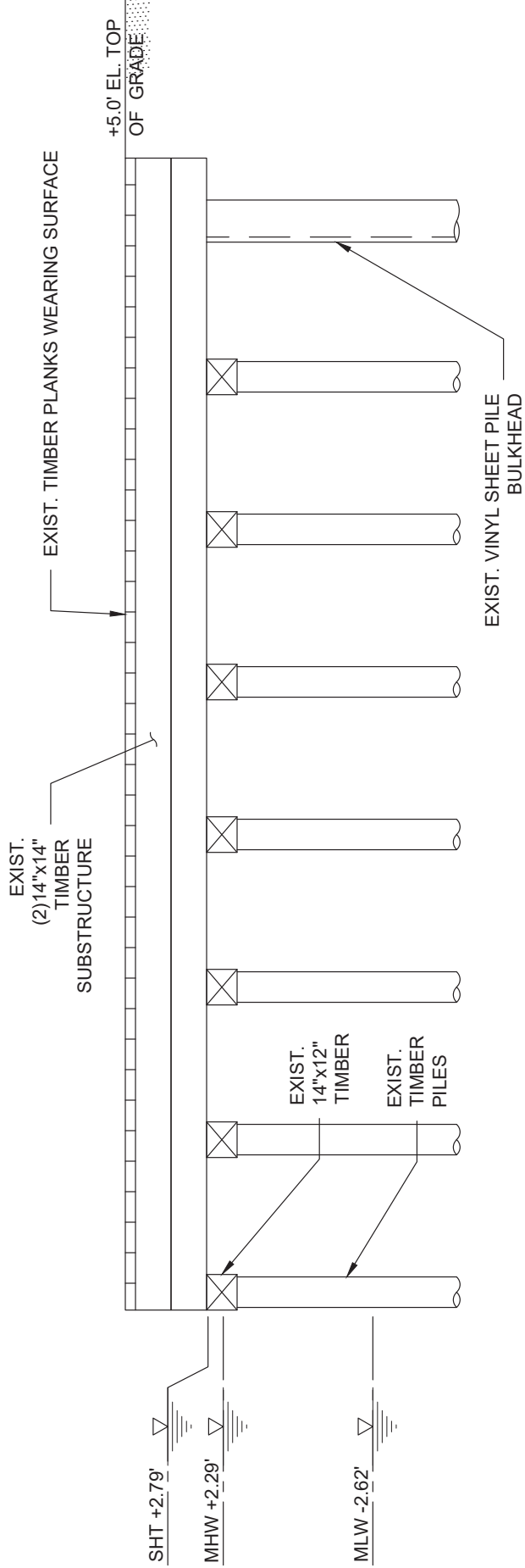


**BULKHEAD & FLOATING DOCK AT  
LARGE BOAT BASIN EXIST. SECTION**

**E**  
13

VINYL SHEET PILE AND TIMBER SOLDIER PILE TIP ELEVATIONS UNKNOWN

PURPOSE: SHORELINE STABILIZATION DATUM: NAVD 88 ADJACENT OWNERS: 1. SEE ATTACHED LIST	LEMON CREEK MARINA	EXISTING SECTIONS 5 OF 6
AGENT: M.G. McLAREN, P.C. 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001	APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368	05/20/2022  SHT 13 OF 37



**TRAVEL LIFT PIER AT LARGE  
BOAT BASIN EXIST. SECTION**

**F**  
14

$\frac{3}{16}'' = 1'-0''$

PURPOSE: SHORELINE STABILIZATION  
 DATUM: NAVD 88  
 ADJACENT OWNERS:  
 1. SEE ATTACHED LIST

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

LEMON CREEK MARINA

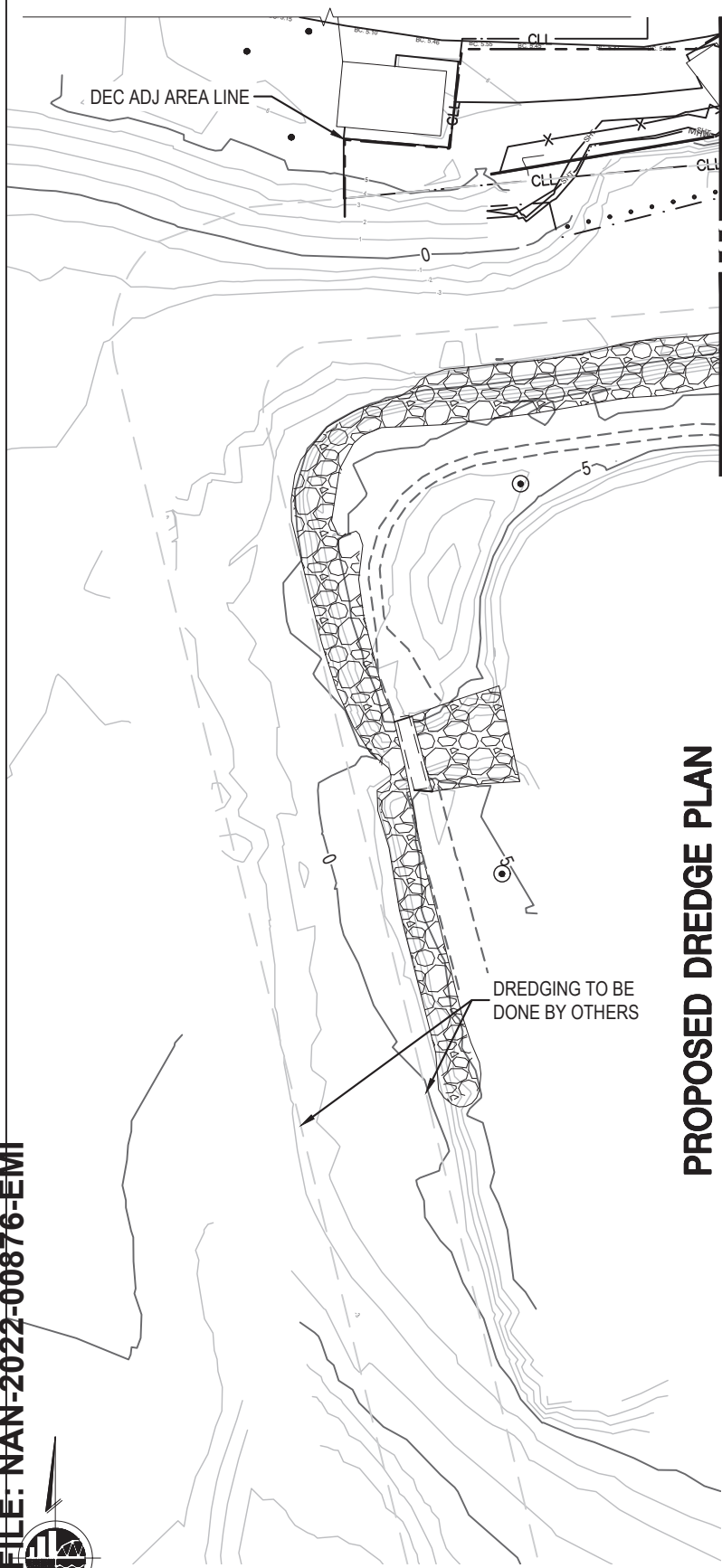
EXISTING  
 SECTIONS 6 OF 6

IN: 175 JOHNSTON TERRACE  
 AT: STATEN ISLAND  
 COUNTY OF: RICHMOND STATE: NY

APPLICANT: NYC DEPT. OF PARKS  
 AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

05/20/2022

SHT 14 OF 37



## PROPOSED DREDGE PLAN - MARINA APPROACH



**LINETYPE LEGEND:**

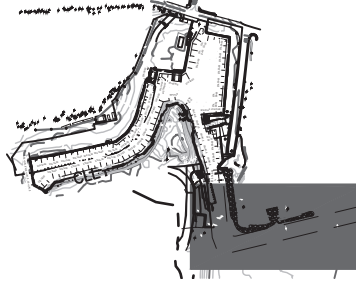
- MAJOR CONTOUR
- - - MINOR CONTOUR
- · - · - DREDGING TO BE DONE BY OTHERS
- ▨ EXISTING RIPRAP
- ⊕ EXISTING PILE
- EXISTING TREE
- ⊗ EXISTING STUMP

	DREDGE AREA (SY)	DREDGE VOLUMES (CY)
DREDGE		5,543
OVER DREDGE	18,400	12,320
TOTAL		17,863

**NOTES:** MATCHLINE A, SEE SHEET NO. 16

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE DREDGING FOOTPRINT HAS A REQUIRED DEPTH OF -6.3 FT, NAVD88 (-3.7 MLW) WITH 1FT MAXIMUM ALLOWABLE OVERDEPTH (-7.3FT, NAVD88) (-4.7 MLW), SIDE SLOPES, WHERE SHOWN, ARE 3H:1V.
5. THESE PARTIAL PLANS ONLY SHOW PROPOSED DREDGE WORK; PROPOSED SITE WORK IS PROVIDED ON THE PROPOSED PLANS

### KEY PLAN



**PURPOSE:** SHORELINE STABILIZATION  
**DATUM:** NAVD 88  
**ADJACENT OWNERS:**  
 1. SEE ATTACHED LIST

### LEMON CREEK MARINA

PROPOSED DREDGE PLAN -  
MARINA APPROACH

IN: 175 JOHNSTON TERRACE  
 AT: STATEN ISLAND  
 COUNTY OF: RICHMOND STATE: NY

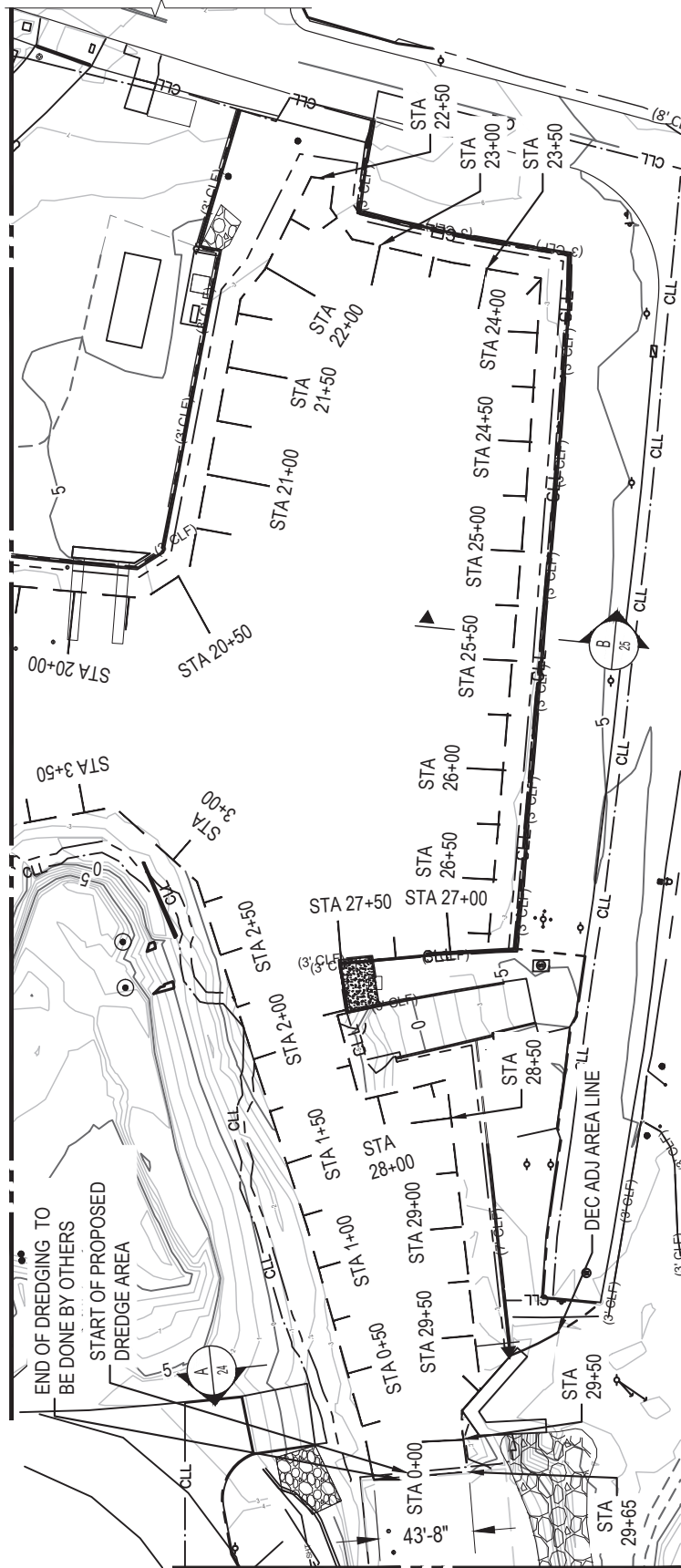
APPLICANT: NYC DEPT. OF PARKS  
 AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

05/20/2022

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

SHT 15 OF 37

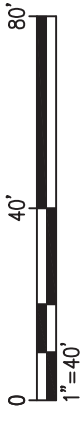




**LINETYPE LEGEND:**

- MAJOR CONTOUR
- MINOR CONTOUR
- PROPOSED DREDGE SIDE SLOPES
- PROPOSED DREDGE FOOTPRINT
- DEC ADJACENT AREA LINE
- EXISTING RIPRAP
- EXISTING PILE
- EXISTING TREE
- EXISTING STUMP

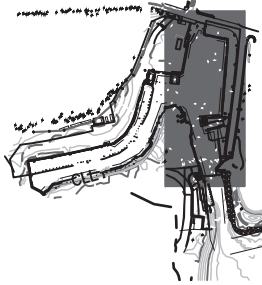
**PROPOSED DREDGE PLAN - WITHIN MARINA 1 OF 3**



	DREDGE AREA (SY)	DREDGE VOLUMES (CY)
DREDGE	18,400	5,543
OVER DREDGE		12,320
<b>TOTAL</b>		<b>17,863</b>

**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE. THE DREDGING FOOTPRINT HAS A REQUIRED DEPTH OF -6.3 FT, NAVD88 (-3.7 MLW) WITH 1FT MAXIMUM ALLOWABLE OVERDEPTH (-7.3FT, NAVD88) (-4.7 MLW), SIDE SLOPES, WHERE SHOWN, ARE 3H:1V.
5. THESE PARTIAL PLANS ONLY SHOW PROPOSED DREDGE WORK; PROPOSED SITE WORK IS PROVIDED ON THE PROPOSED PLANS.



**KEY PLAN**

**PURPOSE:** SHORELINE STABILIZATION  
**DATUM:** NAVD 88  
**ADJACENT OWNERS:**  
 1. SEE ATTACHED LIST

**LEMON CREEK MARINA**

**PROPOSED DREDGE PLAN - WITHIN MARINA 1 OF 3**

**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND **STATE:** NY

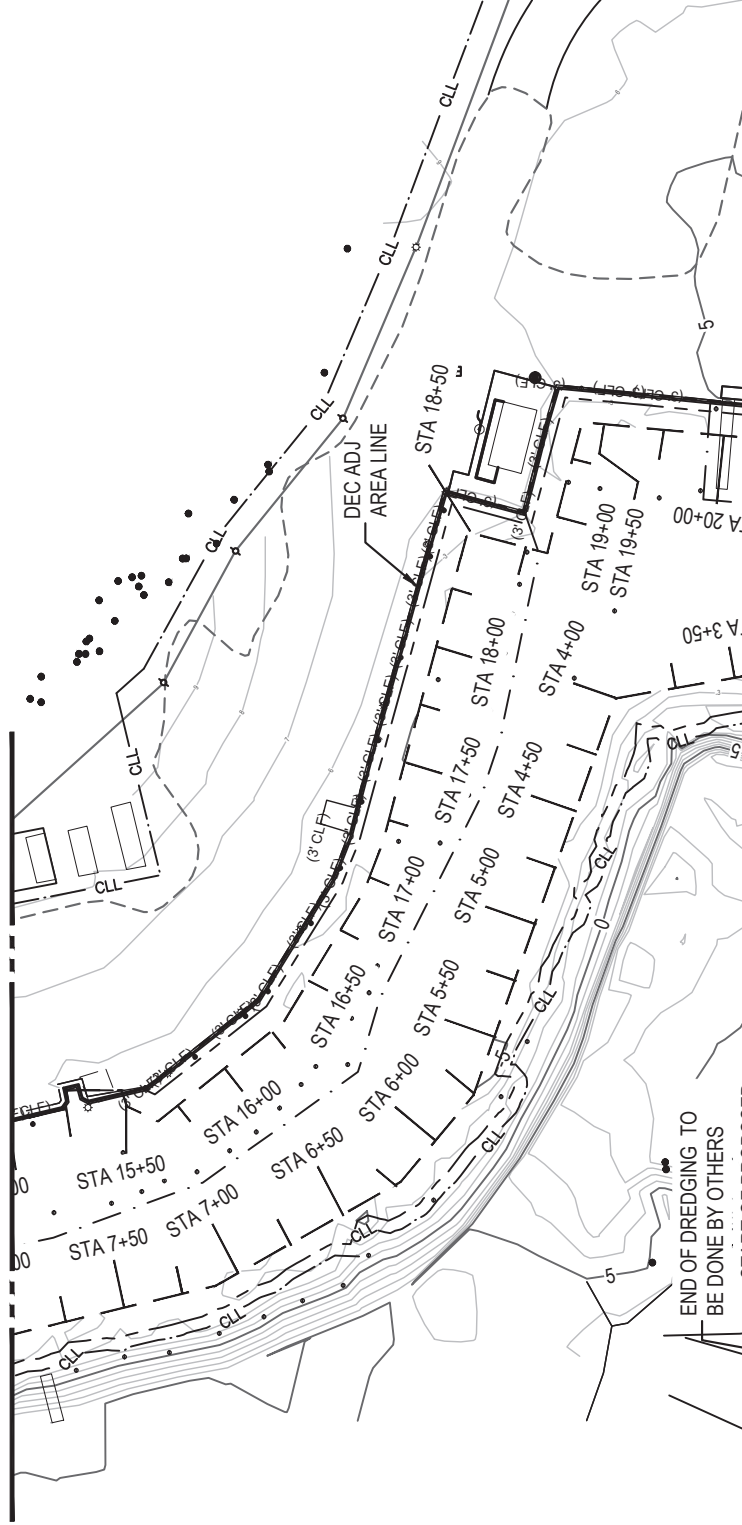
**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

**05/20/2022**

**AGENT:** M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

**SHT 16 OF 37**

MATCHLINE C, SEE SHEET NO. 18



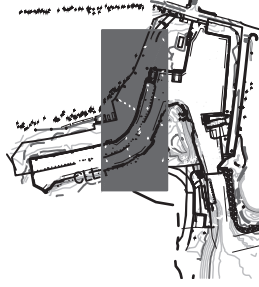
END OF DREDGING TO BE DONE BY OTHERS

MATCHLINE B, SEE SHEET NO. 16

NOTES:

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE McLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE DREDGING FOOTPRINT HAS A REQUIRED DEPTH OF -6.3 FT, NAVD88 (-3.7 MLW) WITH 1FT MAXIMUM ALLOWABLE OVERDEPTH (-7.3FT, NAVD88) (-4.7' MLW), SIDE SLOPES, WHERE SHOWN, ARE 3H:1V.
5. THESE PARTIAL PLANS ONLY SHOW PROPOSED DREDGE WORK; PROPOSED SITE WORK IS PROVIDED ON THE PROPOSED PLANS.

## PROPOSED DREDGE PLAN - WITHIN MARINA 2 OF 3



### KEY PLAN



	DREDGE AREA (SY)	DREDGE VOLUMES (CY)
DREDGE		5,543
OVER DREDGE	18,400	12,320
TOTAL		17,863

- LINETYPE LEGEND:**
- MAJOR CONTOUR
  - MINOR CONTOUR
  - PROPOSED DREDGE SIDE SLOPES
  - PROPOSED DREDGE FOOTPRINT
  - DEC ADJACENT AREA LINE
  - EXISTING PILE
  - EXISTING TREE
  - EXISTING STUMP

**PURPOSE:** SHORELINE STABILIZATION  
**DATUM:** NAVD 88  
**ADJACENT OWNERS:**  
 1. SEE ATTACHED LIST

### LEMON CREEK MARINA

PROPOSED DREDGE PLAN -  
WITHIN MARINA 2 OF 3

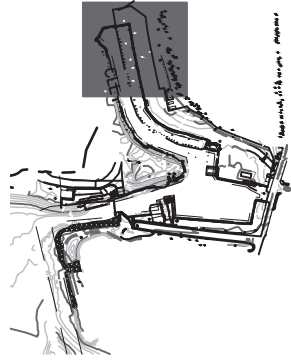
IN: 175 JOHNSTON TERRACE  
 AT: STATEN ISLAND  
 COUNTY OF: RICHMOND STATE: NY

APPLICANT: NYC DEPT. OF PARKS  
 AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

05/20/2022

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

SHT 17 OF 37



**KEY PLAN**

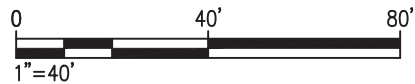
**LINETYPE LEGEND:**

- MAJOR CONTOUR
- MINOR CONTOUR
- - - - PROPOSED DREDGE SIDE SLOPES
- PROPOSED DREDGE FOOTPRINT
- - - - DEC ADJACENT AREA LINE
- ⊙ EXISTING PILE
- EXISTING TREE
- ⊗ EXISTING STUMP



MATCHLINE C, SEE SHEET NO. 17

**PROPOSED DREDGE PLAN  
- WITHIN MARINA 3 OF 3**



	DREDGE AREA (SY)	DREDGE VOLUMES (CY)
DREDGE		5,543
OVER DREDGE		12,320
TOTAL	18,400	17,863

**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE DREDGING FOOTPRINT HAS A REQUIRED DEPTH OF -6.3 FT, NAVD88 (-3.7' MLW) WITH 1FT MAXIMUM ALLOWABLE OVERDEPTH (-7.3FT, NAVD88) (-4.7' MLW), SIDE SLOPES, WHERE SHOWN, ARE 3H:1V.
5. THESE PARTIAL PLANS ONLY SHOW PROPOSED DREDGE WORK; PROPOSED SITE WORK IS PROVIDED ON THE PROPOSED PLANS.

**PURPOSE:** SHORELINE STABILIZATION

**DATUM:** NAVD88

**ADJACENT OWNERS:**  
1. SEE ATTACHED LIST

**LEMON CREEK MARINA**

**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
117-02 ROOSEVELT AVENUE  
FLUSHING, NY 11368

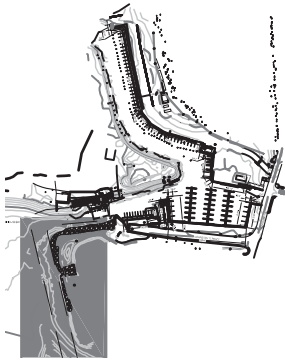
**AGENT:** M.G. McLAREN, P.C.  
131 W 35TH STREET, 4TH FLR  
NEW YORK, NY 10001

**PROPOSED DREDGE PLAN -  
WITHIN MARINA 3 OF 3**

**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND **STATE:** NY

SHT 18 OF 37

05/20/2022




**KEY PLAN**

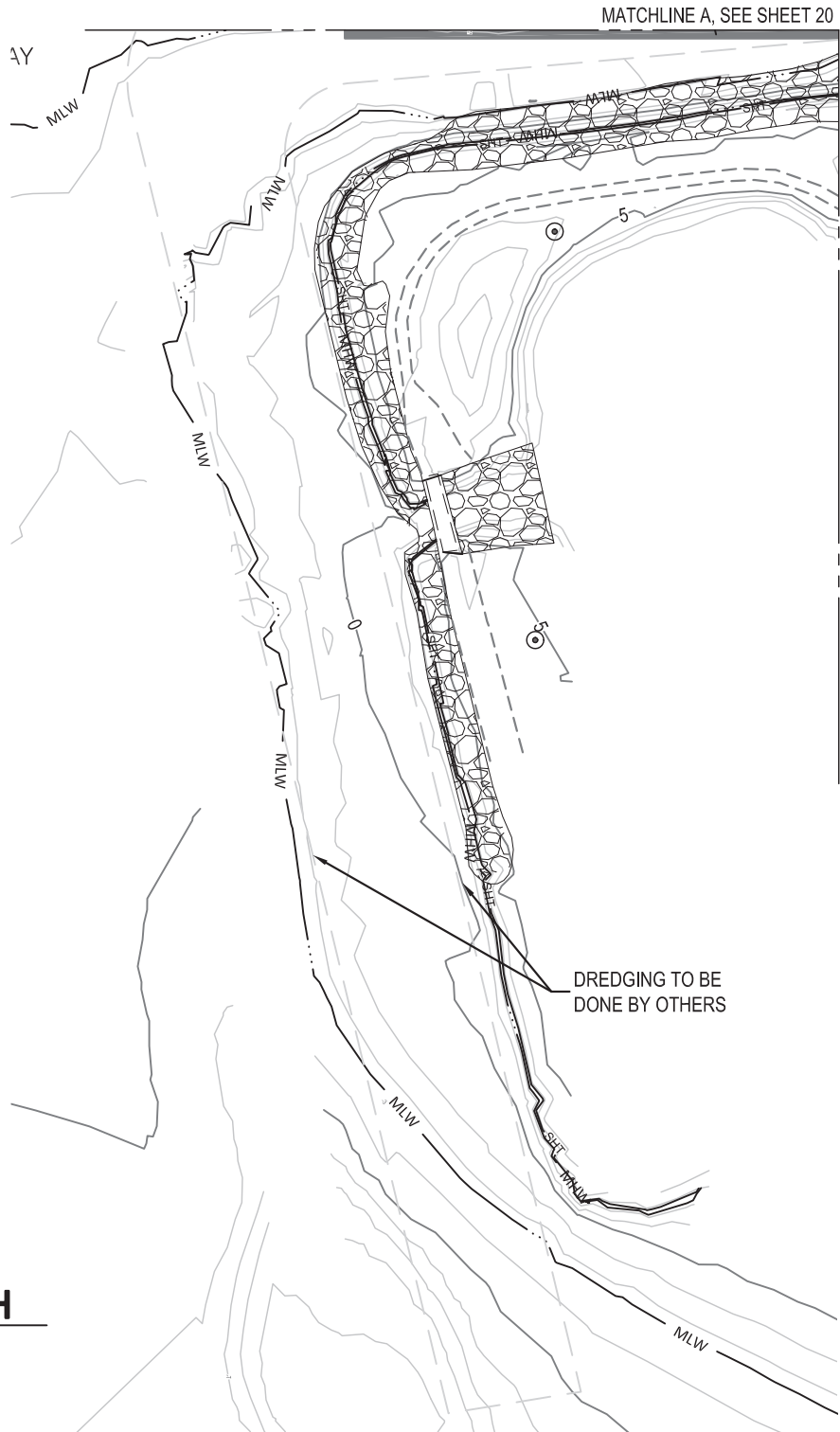
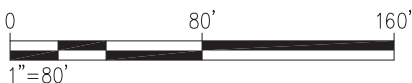
**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE PROPOSED STRUCTURES CREATE A TOTAL CUT OF 172 CY BELOW MHW AND A CUT OF 180 CY BELOW SHT.

**LINETYPE LEGEND:**

- MLW ———— EXISTING MLW
- MHW ———— EXISTING MHW
- SHT ———— EXISTING SHT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- ⊙ APPROX. TREE LOCATION
- EXISTING TREE
-  EXISTING RIPRAP

**PROPOSED PARTIAL PLAN  
1 OF 5 - MARINA APPROACH**



PURPOSE: SHORELINE STABILIZATION

DATUM: NAVD88

ADJACENT OWNERS:  
1. SEE ATTACHED LIST

**LEMON CREEK MARINA**

APPLICANT: NYC DEPT. OF PARKS AND RECREATION  
117-02 ROOSEVELT AVENUE  
FLUSHING, NY 11368

AGENT: M.G. McLAREN, P.C.  
131 W 35TH STREET, 4TH FLR  
NEW YORK, NY 10001

PROPOSED PARTIAL PLAN 1 OF 5 - MARINA APPROACH

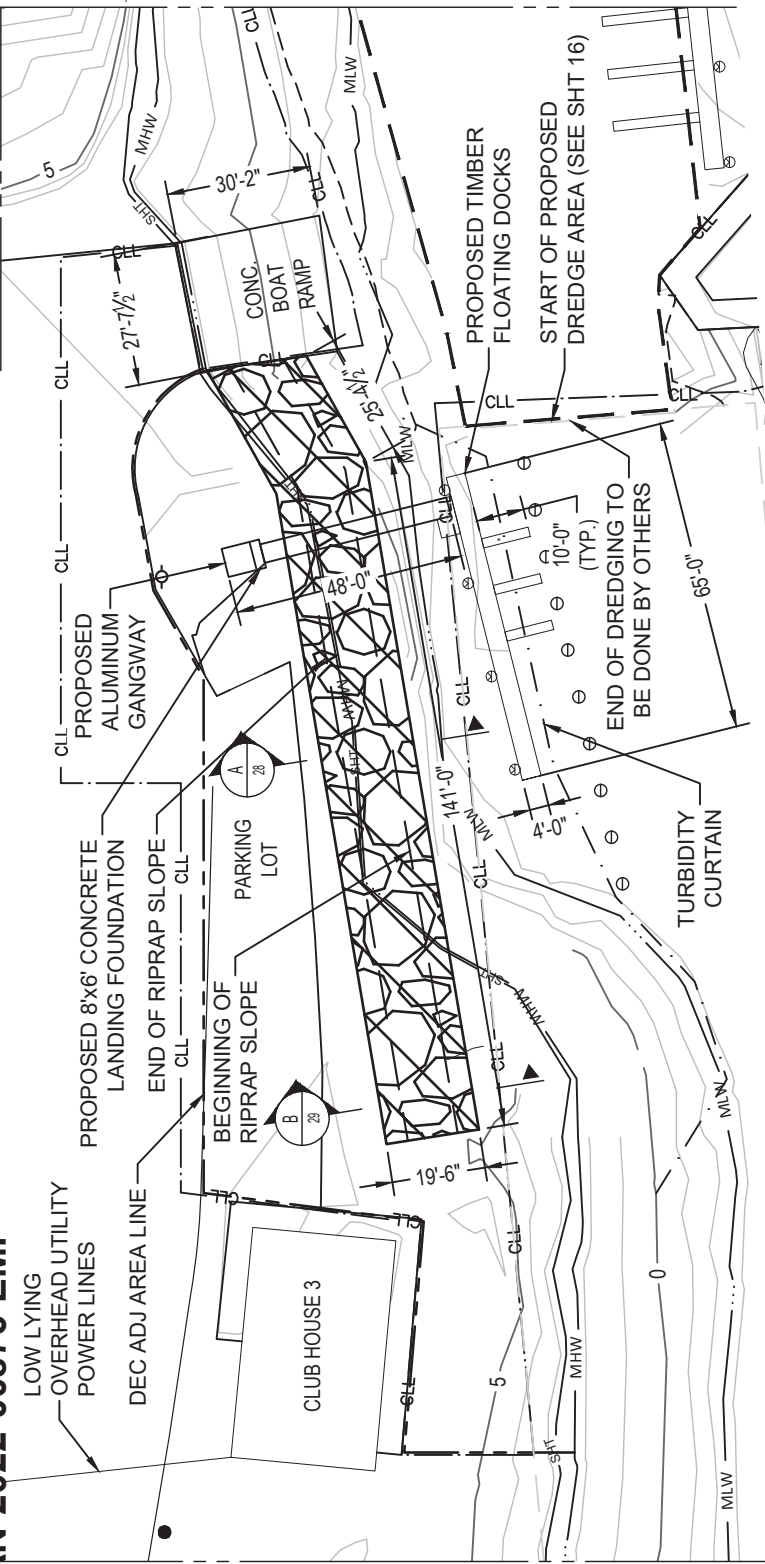
IN: 175 JOHNSTON TERRACE  
AT: STATEN ISLAND  
COUNTY OF: RICHMOND STATE: NY

SHT 19 OF 37

05/20/2022



MATCHLINE B, SEE SHEET 21



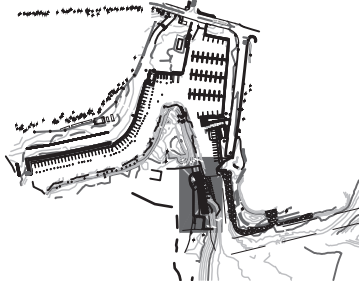
MATCHLINE A, SEE SHEET 19



**LINE TYPE LEGEND:**

- MLW
- - - MHW
- · - · SHT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- CONTRACTOR LIMIT LINES
- PROPOSED TURBIDITY CURTAIN
- - - DEC ADJACENT AREA LINE
- ▨ PROPOSED RIPRAP
- ⊕ PROPOSED TIMBER PILE
- ⊖ EXISTING PILE
- EXISTING TREE

**PROPOSED PARTIAL PLAN  
2 OF 5 - NORTH SHORE**



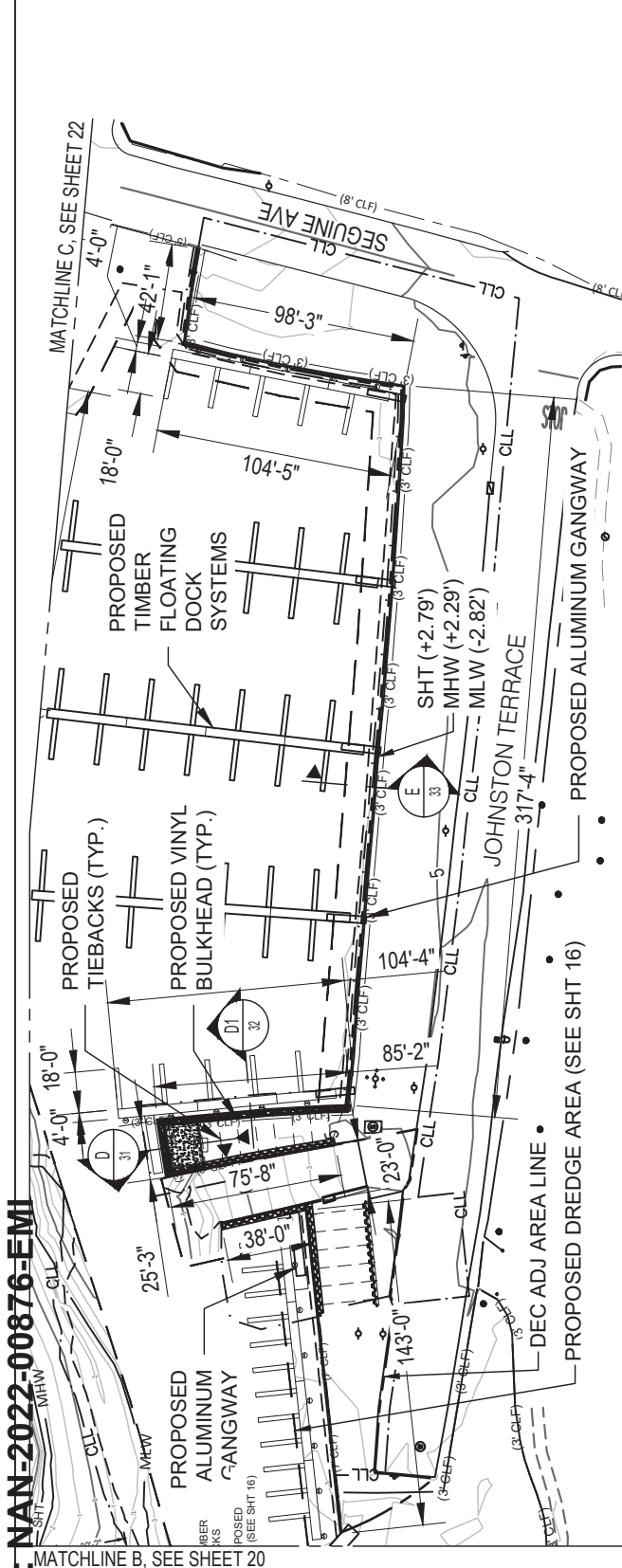
**KEY PLAN**

**NOTES:**





1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE PROPOSED STRUCTURES CREATE A TOTAL CUT OF 172 CY BELOW MHW AND A CUT OF 180 CY BELOW SHT.

<p>PURPOSE: SHORELINE STABILIZATION          DATUM: NAVD 88          ADJACENT OWNERS:          1. SEE ATTACHED LIST</p>	<p>LEMON CREEK MARINA</p>	<p>PROPOSED PARTIAL PLAN          2 OF 5 - NORTH SHORE</p>
<p>IN: 175 JOHNSTON TERRACE          AT: STATEN ISLAND          COUNTY OF: RICHMOND STATE: NY</p>	<p>APPLICANT: NYC DEPT. OF PARKS          AND RECREATION          117-02 ROOSEVELT AVENUE          FLUSHING, NY 11368</p>	<p>05/20/2022</p> <p>SHT 20 OF 37</p>

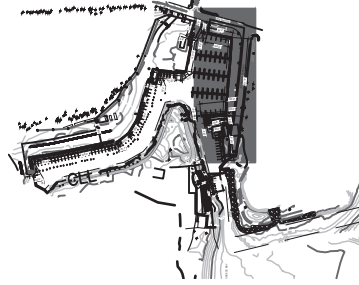
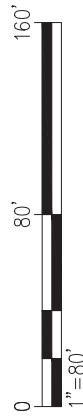
AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001



**LINETYPE LEGEND:**

- MLW
- - - - - EXISTING MLW
- - - - - EXISTING MHW
- - - - - EXISTING SHT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- (3' CLF) - - - - - EXISTING 3' CHAIN LINK FENCE
- — — — — CLL
- — — — — CONTRACTOR LIMIT LINES
- — — — — PROPOSED TURBIDITY CURTAIN
- — — — — DEC ADJACENT AREA LINE
-  PROPOSED CONCRETE SLAB ON GRADE
-  PROPOSED TIMBER PILE
-  EXISTING PILE
-  EXISTING TREE

**PROPOSED PARTIAL PLAN  
3 OF 5 - PUMP OUT STATION  
AND SMALL BOAT BASIN**



**KEY PLAN**

**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE PROPOSED STRUCTURES CREATE A TOTAL CUT OF 172 CY BELOW MHW AND A CUT OF 180 CY BELOW SHT.

**PURPOSE:** SHORELINE STABILIZATION  
**DATUM:** NAVD 88  
**ADJACENT OWNERS:**  
 1. SEE ATTACHED LIST

**AGENT:** M.G. McLaren, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

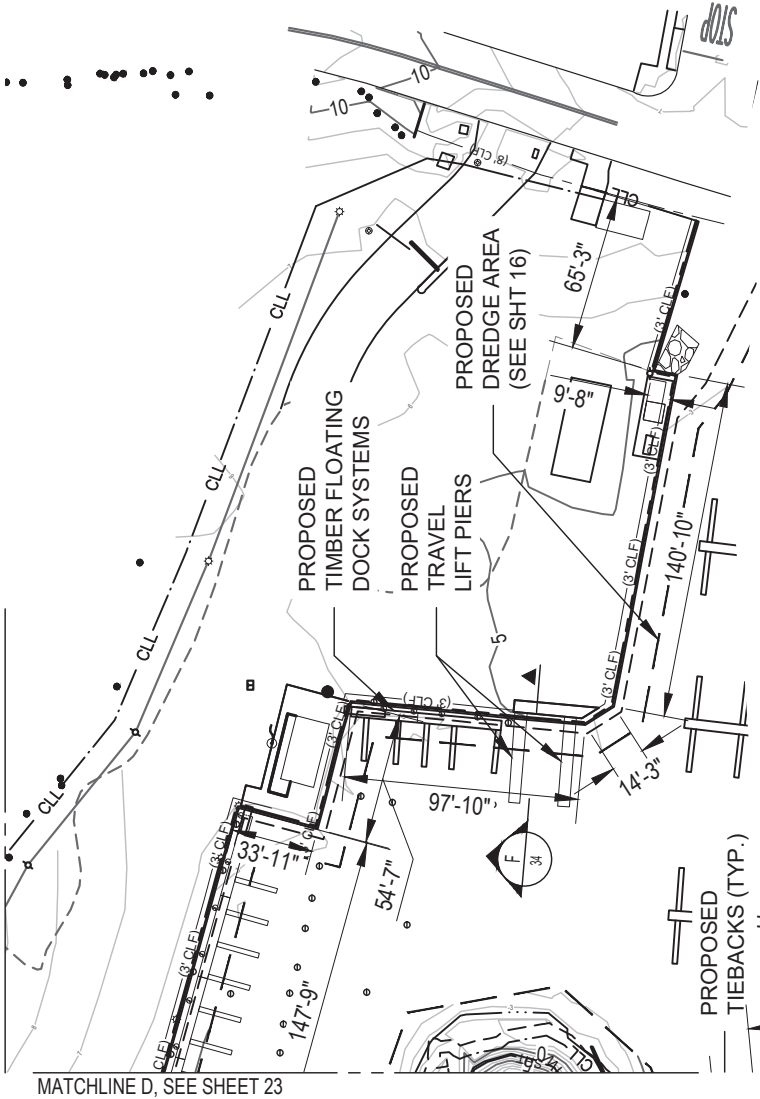
**LEMON CREEK MARINA**

**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND **STATE:** NY

**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

**PROPOSED PARTIAL PLAN 3 OF 5 - PUMP OUT STATION**  
**05/20/2022**  
**SHT 21 OF 37**



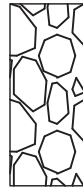


MATCHLINE D, SEE SHEET 23

MATCHLINE C, SEE SHEET 21

**LINETYPE LEGEND:**

- MLW
- MHW
- SHT
- (3' CLF)
- CLL
- DEC ADJACENT AREA LINE



EXISTING RIPRAP

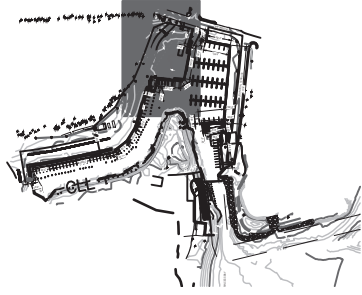
- ⊗ PROPOSED TIMBER PILE
- ⊙ EXISTING PILE
- EXISTING TREE

**PROPOSED PARTIAL  
PLAN 4 OF 5 - LARGE BOAT  
BASIN SOUTHERN EXTENTS**



**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE PROPOSED STRUCTURES CREATE A TOTAL CUT OF 172 CY BELOW MHW AND A CUT OF 180 CY BELOW SHT.



**KEY PLAN**

**PURPOSE:** SHORELINE STABILIZATION  
**DATUM:** NAVD 88  
**ADJACENT OWNERS:**  
 1. SEE ATTACHED LIST

**AGENT:** M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

**LEMON CREEK MARINA**

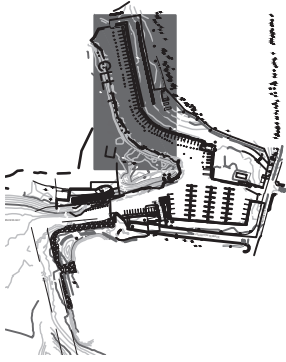
**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND **STATE:** NY

**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

**PROPOSED PARTIAL  
PLAN 4 OF 5 - LARGE  
BOAT BASIN**

**05/20/2022**

**SHT 22 OF 37**







**KEY PLAN**

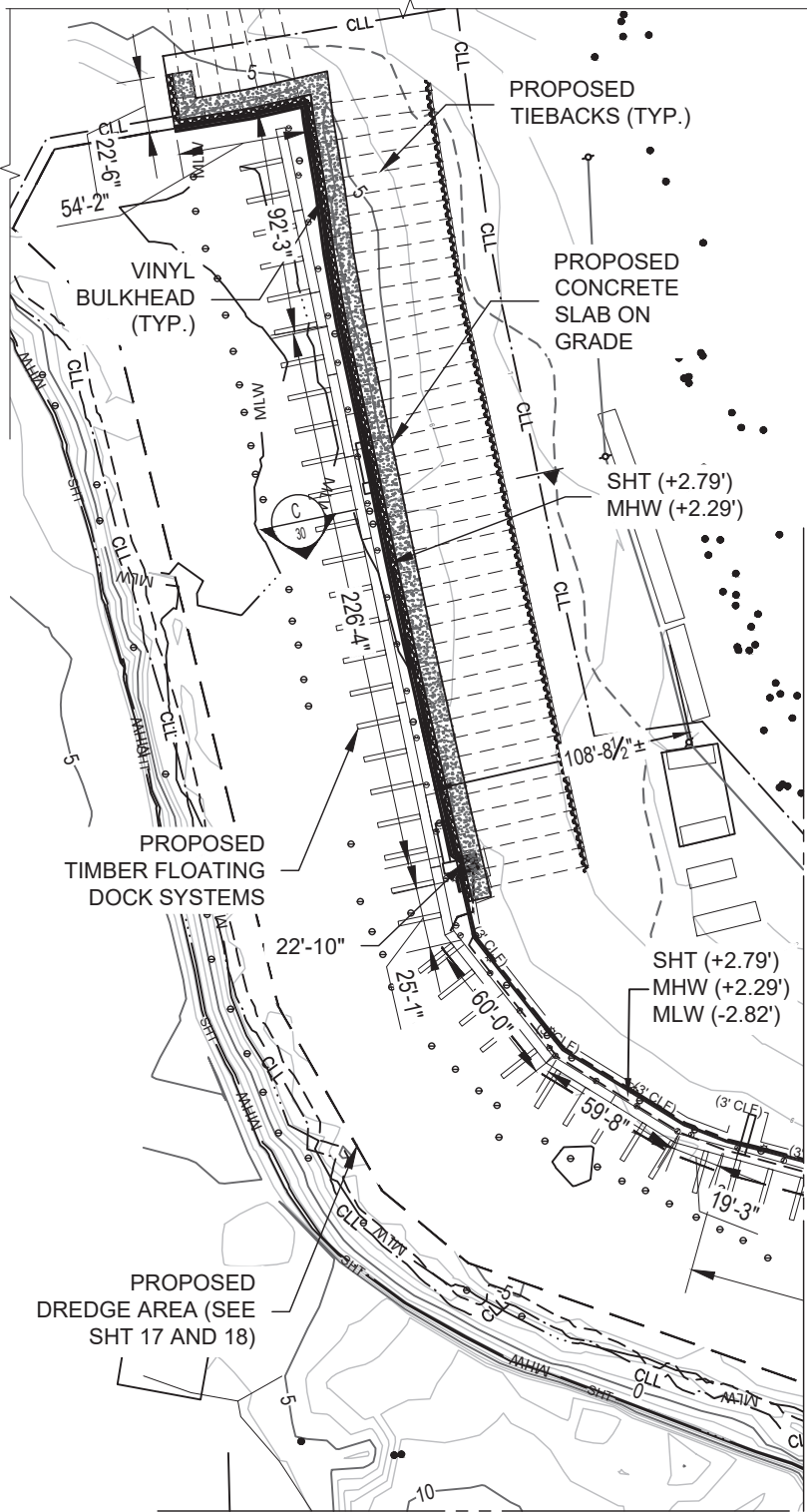
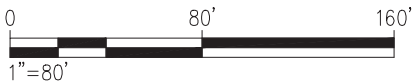
**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE PROPOSED STRUCTURES CREATE A TOTAL CUT OF 172 CY BELOW MHW AND A CUT OF 180 CY BELOW SHT.

**LINETYPE LEGEND:**

- MLW ———— EXISTING MLW
- MHW ———— EXISTING MHW
- SHT ———— EXISTING SHT
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- (3' CLF) ———— EXISTING 3' CHAIN LINK FENCE
- CLL ———— CONTRACTOR LIMIT LINES
- ———— PROPOSED TURBIDITY LINE
- ———— DEC ADJACENT AREA LINE
-  PROPOSED CONCRETE SLAB ON GRADE
-  PROPOSED TIMBER PILE
-  EXISTING PILE
-  EXISTING TREE

**PROPOSED PARTIAL PLAN 5 OF 5 - LARGE BOAT BASIN NORTH EXTENTS**



MATCHLINE D, SEE SHEET 22

**PURPOSE:** SHORELINE STABILIZATION

**DATUM:** NAVD88

**ADJACENT OWNERS:**  
1. SEE ATTACHED LIST

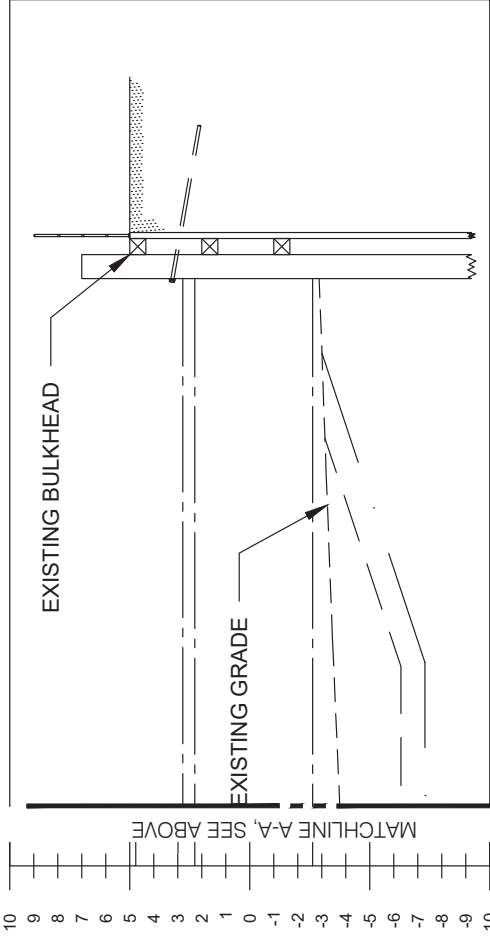
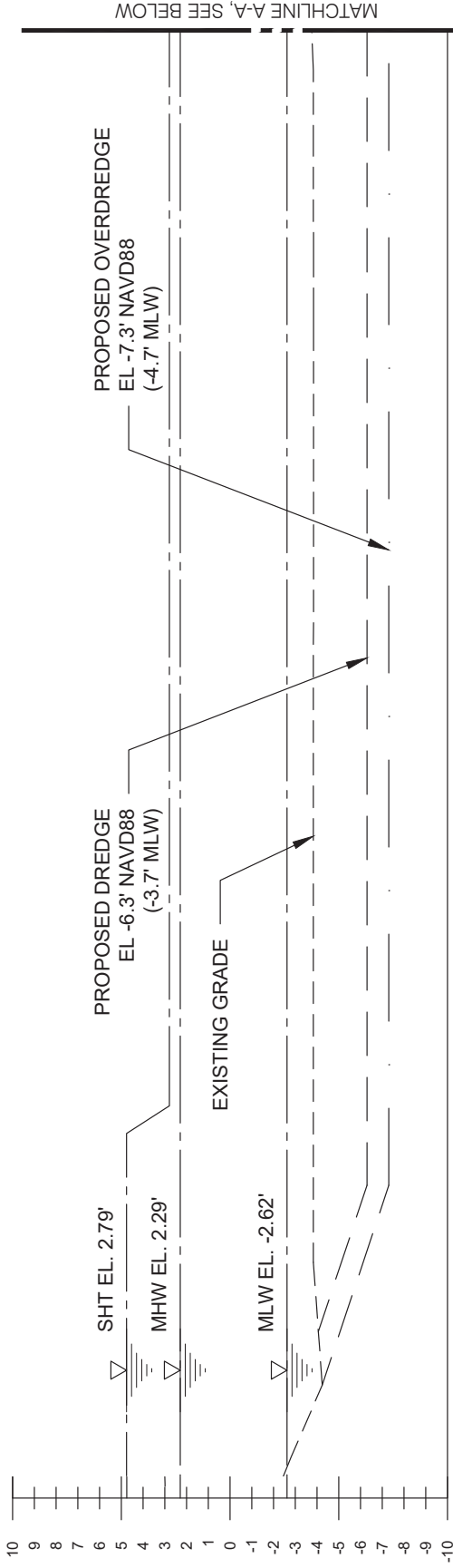
**LEMON CREEK MARINA**

**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
117-02 ROOSEVELT AVENUE  
FLUSHING, NY 11368

**AGENT:** M.G. McLAREN, P.C.  
131 W 35TH STREET, 4TH FLR  
NEW YORK, NY 10001

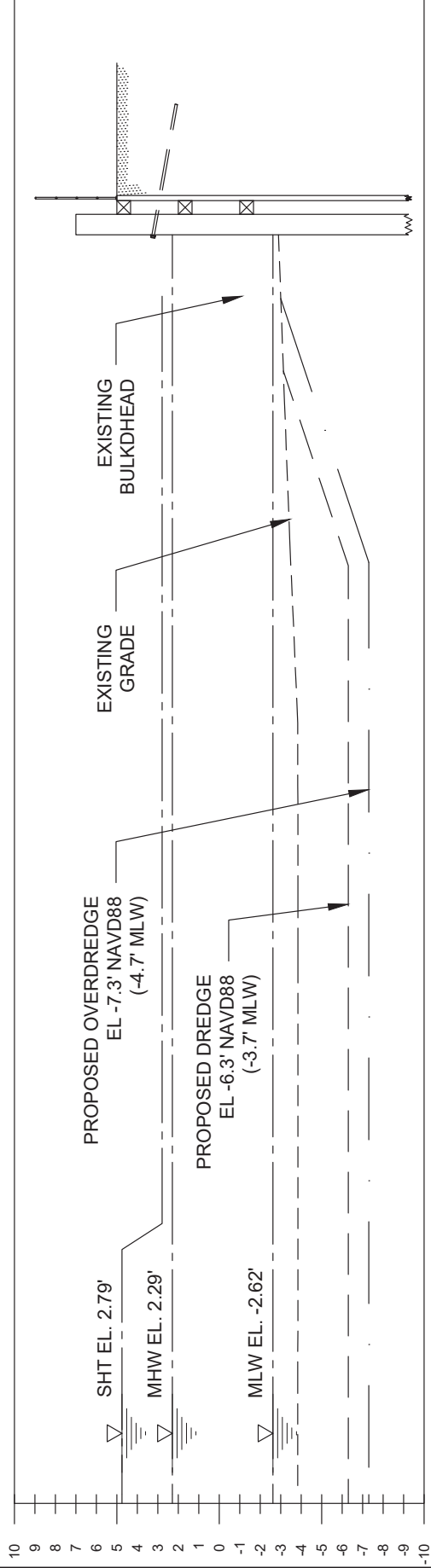
**PROPOSED PARTIAL PLAN 5 OF 5 - LARGE BOAT BASIN**

**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND **STATE:** NY



**A** PROPOSED DREDGE SECTION - MARINA ENTRANCE  
 24  
 1/8" = 1'-0"

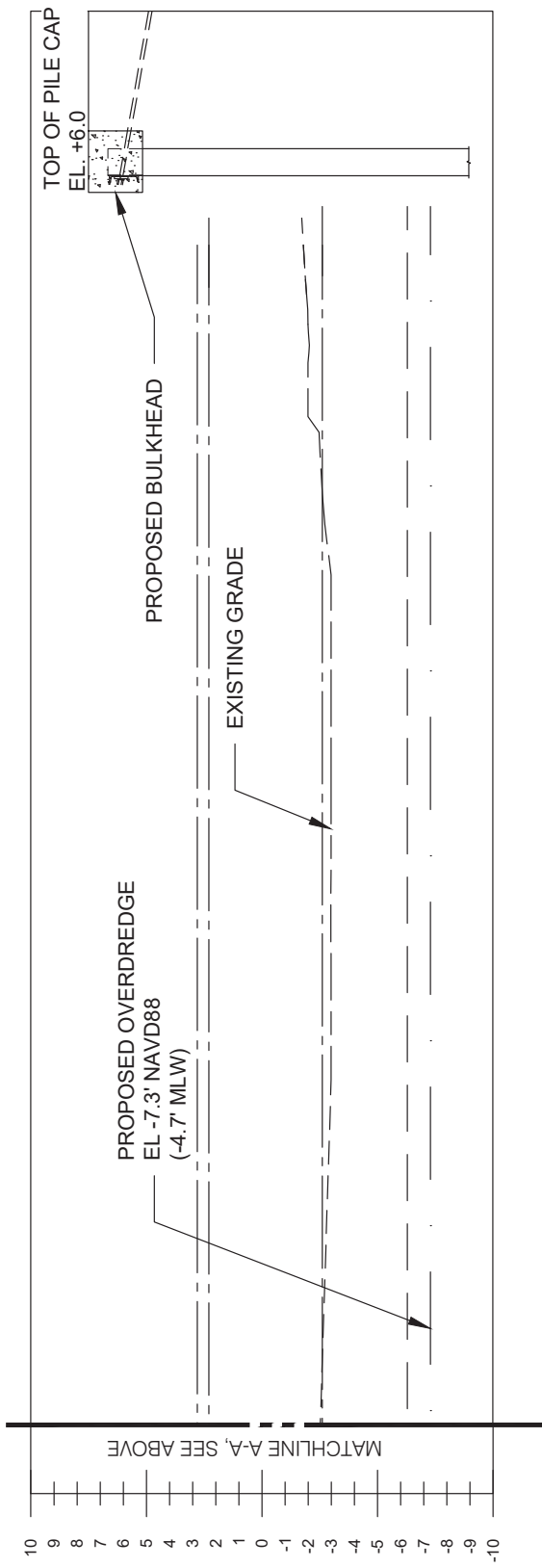
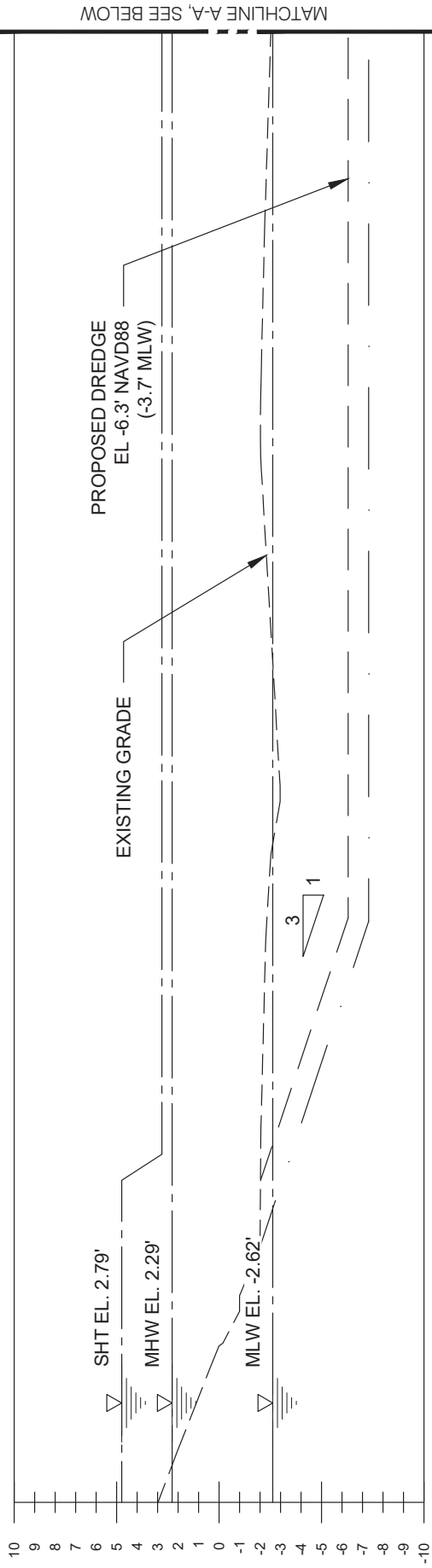
PURPOSE: SHORELINE STABILIZATION DATUM: NAVD 88 ADJACENT OWNERS: 1. SEE ATTACHED LIST	LEMON CREEK MARINA	PROPOSED DREDGE SECTION 2 OF 4
AGENT: M.G. McLAREN, P.C. 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001	APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368	05/20/2022 SHT 24 OF 37



**B** PROPOSED SECTION - SMALL BOAT BASIN  
 24  
 1/8" = 1'-0"

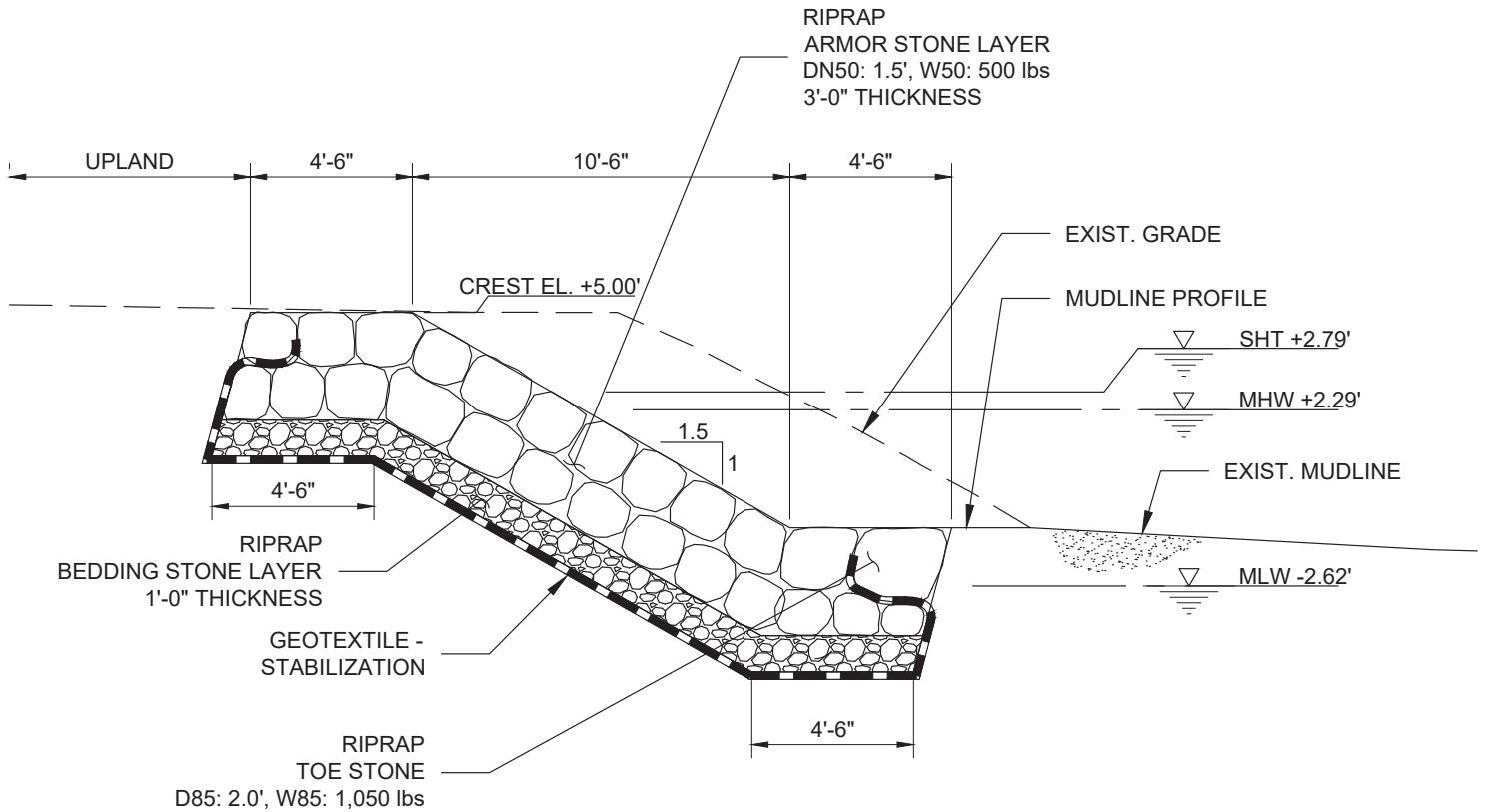
PURPOSE: SHORELINE STABILIZATION DATUM: NAVD 88 ADJACENT OWNERS: 1. SEE ATTACHED LIST	LEMON CREEK MARINA	PROPOSED DREDGE SECTION 2 OF 4
IN: 175 JOHNSTON TERRACE AT: STATEN ISLAND COUNTY OF: RICHMOND STATE: NY	APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368	05/20/2022 SHT 24 OF 37

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001



**C** PROPOSED SECTION - LARGE BOAT BASIN  
 25  
 1/8" = 1'-0"

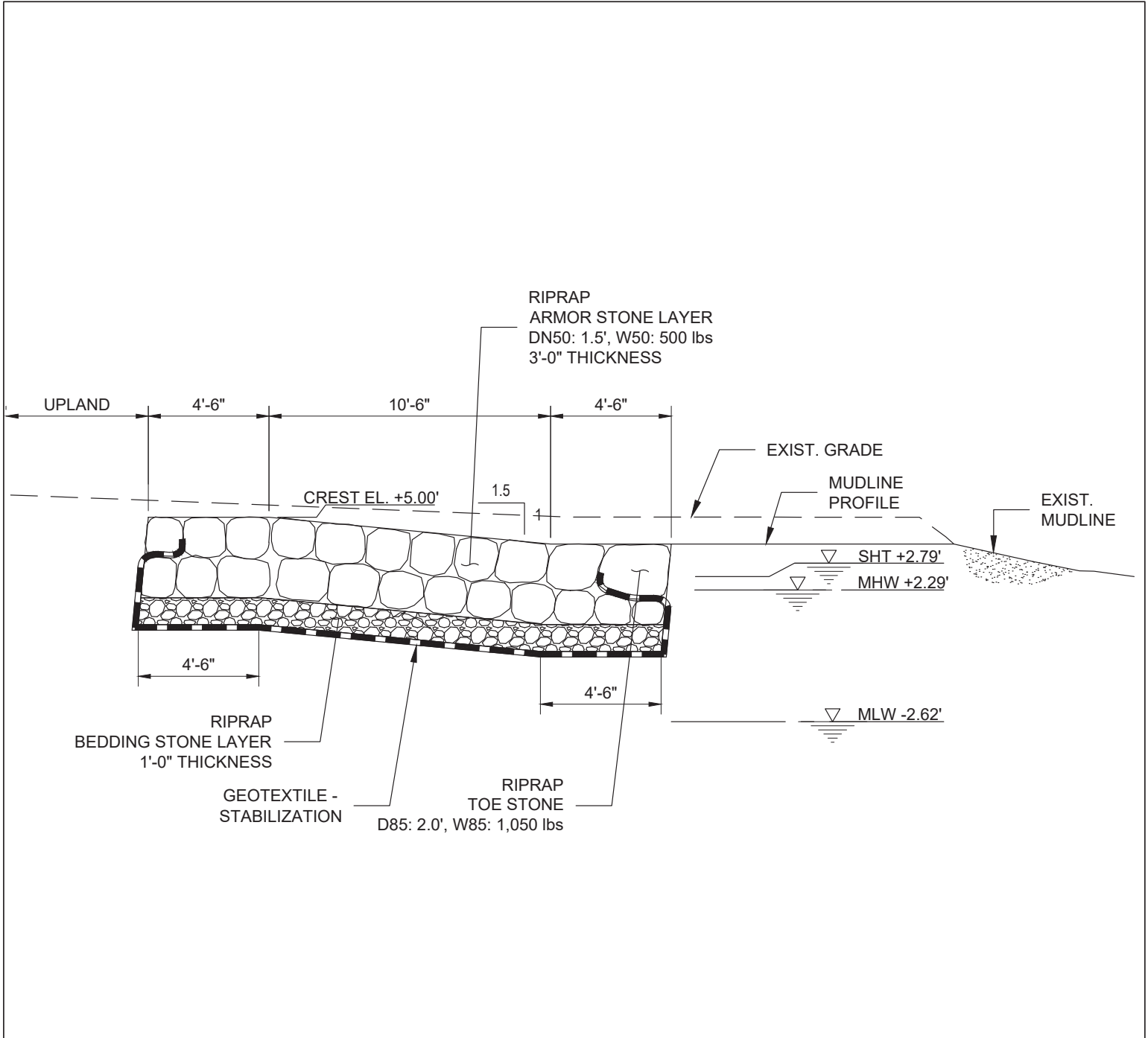
PURPOSE: SHORELINE STABILIZATION DATUM: NAVD 88 ADJACENT OWNERS: 1. SEE ATTACHED LIST	LEMON CREEK MARINA	PROPOSED DREDGE SECTION 2 OF 3
AGENT: M.G. McLAREN, P.C. 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001	APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368	05/20/2022 SHT 25 OF 37



**A** **PROPOSED RIPRAP AT NORTH SHORE**  
27 3/16" = 1'-0"

<p>PURPOSE: SHORELINE STABILIZATION</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: 1. SEE ATTACHED LIST</p>	<p>LEMON CREEK MARINA</p> <p>APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368</p> <p>AGENT: M.G. McLAREN, P.C. 131 W 35TH STREET, 4TH FLR NEW YORK, NY 10001</p>	<p>PROPOSED SECTIONS 1 OF 7</p> <p>IN: 175 JOHNSTON TERRACE AT: STATEN ISLAND COUNTY OF: RICHMOND STATE: NY</p> <p>SHT 27 OF 37 <span style="float: right;">05/20/2022</span></p>
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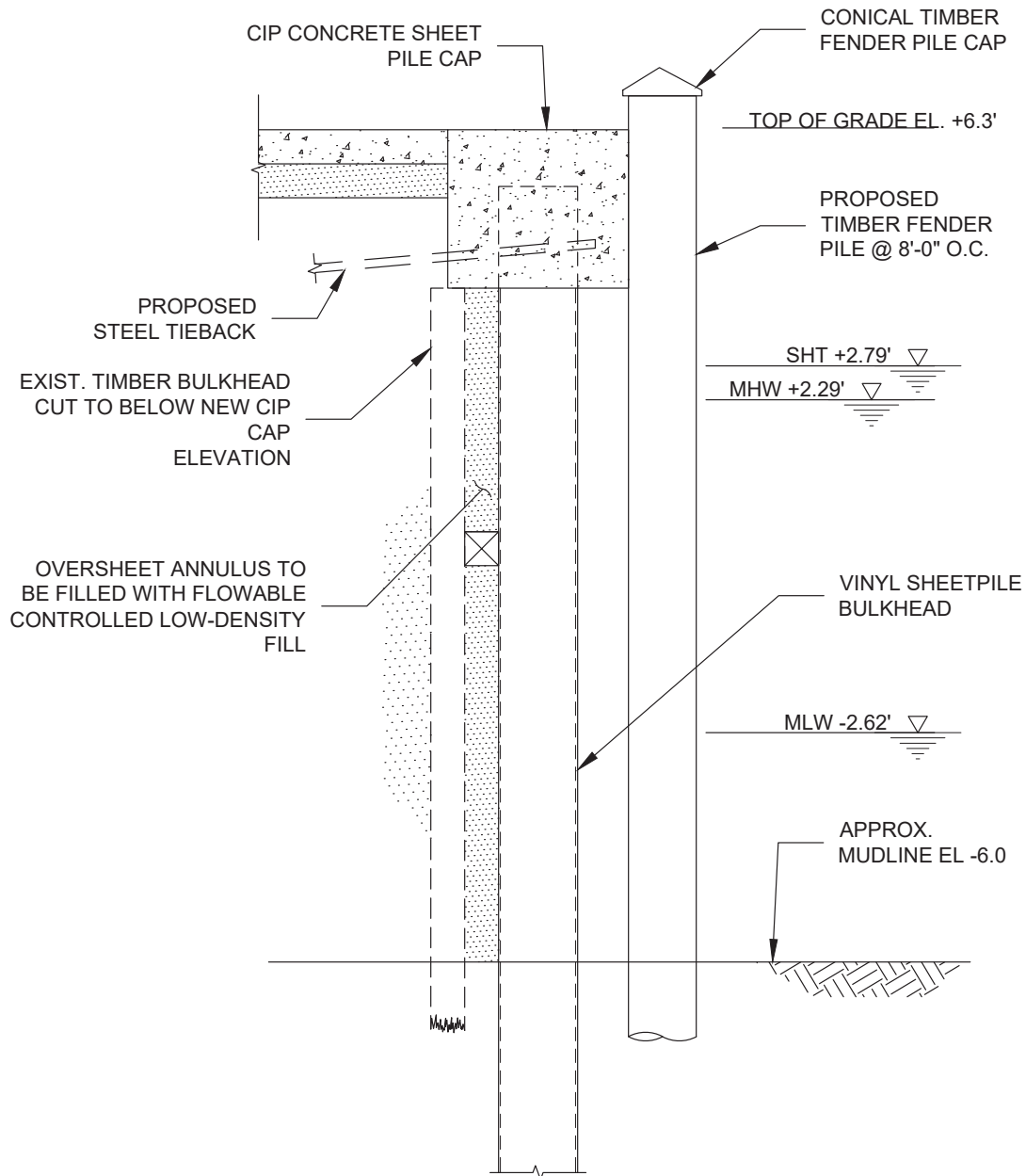




**B** PROPOSED RIPRAP AT NORTH SHORE  
 28 3/16" = 1'-0"

<p>PURPOSE: SHORELINE STABILIZATION</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: 1. SEE ATTACHED LIST</p>	<p>LEMON CREEK MARINA</p> <p>APPLICANT: NYC DEPT. OF PARKS AND RECREATION              117-02 ROOSEVELT AVENUE              FLUSHING, NY 11368</p> <p>AGENT: M.G. McLAREN, P.C.              131 W 35TH STREET, 4TH FLR              NEW YORK, NY 10001</p>	<p>PROPOSED SECTIONS 2 OF 7</p> <p>IN: 175 JOHNSTON TERRACE              AT: STATEN ISLAND              COUNTY OF: RICHMOND STATE: NY</p> <p>SHT 28 OF 37 <span style="float: right;">05/20/2022</span></p>
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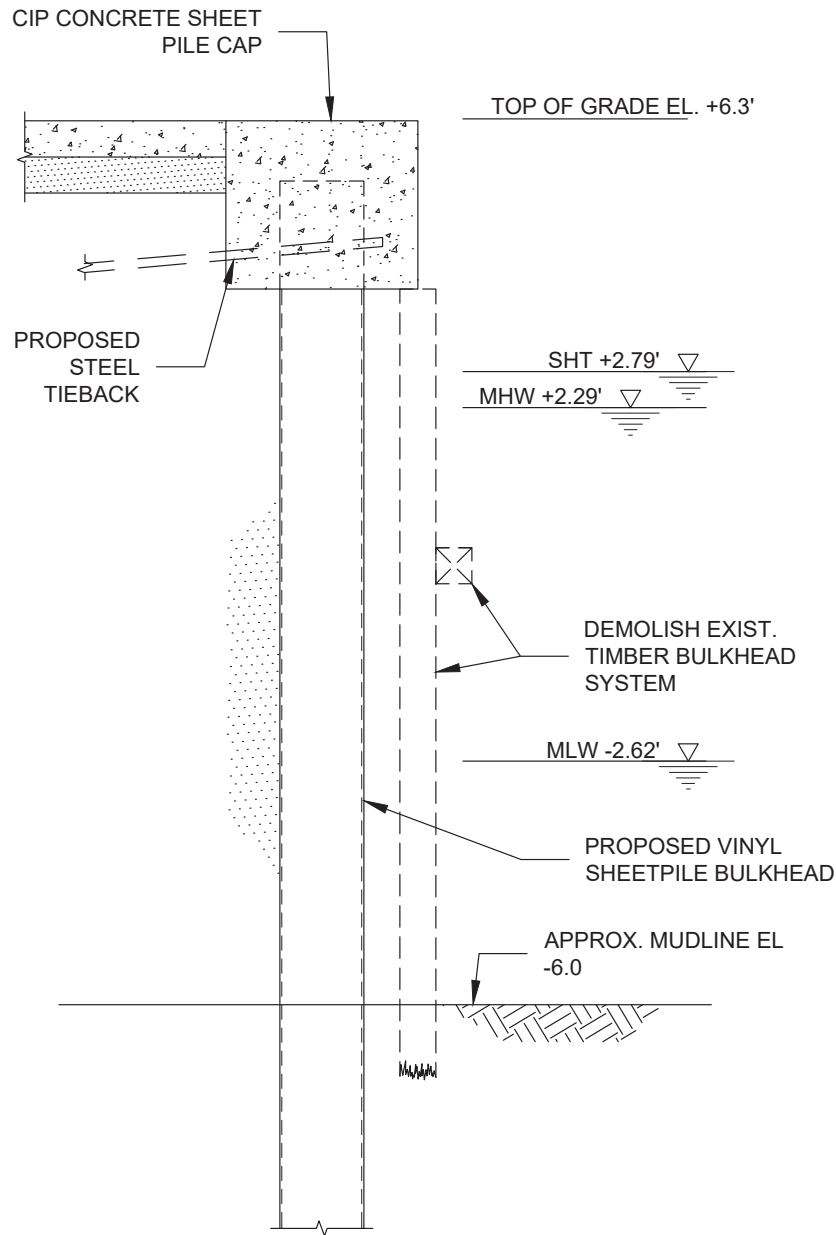


**D** PROPOSED BULKHEAD AT PUMP OUT STATION 3/8" = 1'-0"

NOTE:

1. AT THE PUMPOUT STATION THERE IS A SEPTIC TANK BURIED. PRIOR TO INSTALLING TIEBACKS CONTRACTOR SHALL VERIFY LOCATION AND SIZE OF TANK AND WHETHER THE PROPOSED TIEBACK ARRANGEMENT IS VIABLE.

<p>PURPOSE: SHORELINE STABILIZATION</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: 1. SEE ATTACHED LIST</p>	<p style="text-align: center;">LEMON CREEK MARINA</p> <p>APPLICANT: NYC DEPT. OF PARKS AND RECREATION 117-02 ROOSEVELT AVENUE FLUSHING, NY 11368</p> <p>AGENT: M.G. McLAREN, P.C. 131 W 35TH STREET, 4TH FLR NEW YORK, NY 10001</p>	<p style="text-align: center;">PROPOSED SECTIONS 4 OF 7</p> <p>IN: 175 JOHNSTON TERRACE AT: STATEN ISLAND COUNTY OF: RICHMOND STATE: NY</p> <p>SHT 30 OF 37 <span style="float: right;">05/20/2022</span></p>
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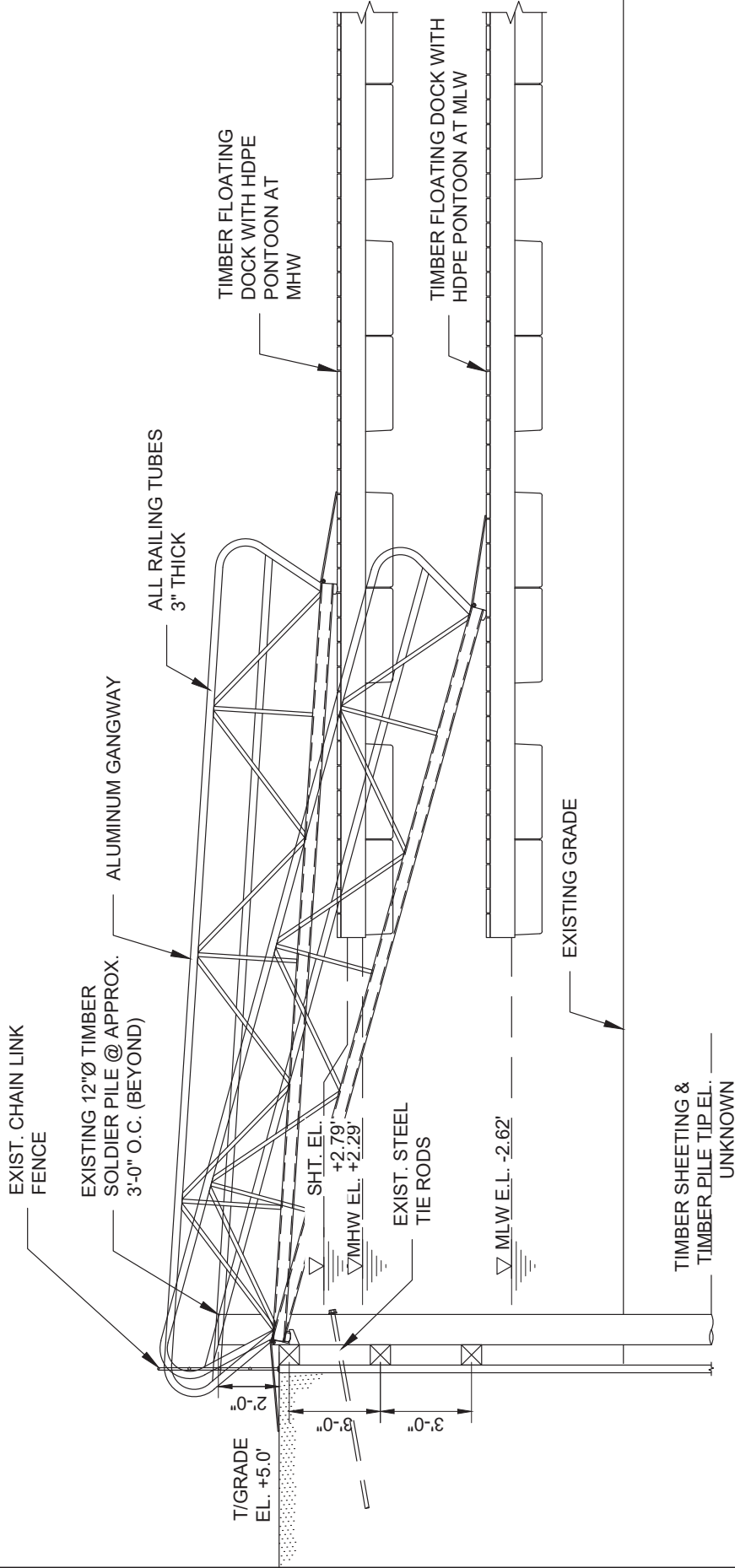


**D1** **PROPOSED BULKHEAD AT PUMP OUT STATION**  
 31 3/8" = 1'-0"

NOTE:

1. AT THE PUMPOUT STATION THERE IS A SEPTIC TANK BURIED. PRIOR TO INSTALLING TIEBACKS CONTRACTOR SHALL VERIFY LOCATION AND SIZE OF TANK AND WHETHER THE PROPOSED TIEBACK ARRANGEMENT IS VIABLE.

<p>PURPOSE: SHORELINE STABILIZATION</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: 1. SEE ATTACHED LIST</p>	<p style="text-align: center;">LEMON CREEK MARINA</p> <p>APPLICANT: NYC DEPT. OF PARKS AND RECREATION              117-02 ROOSEVELT AVENUE              FLUSHING, NY 11368</p> <p>AGENT: M.G. McLAREN, P.C.              131 W 35TH STREET, 4TH FLR              NEW YORK, NY 10001</p>	<p style="text-align: center;">PROPOSED SECTIONS 5 OF 7</p> <p>IN: 175 JOHNSTON TERRACE              AT: STATEN ISLAND              COUNTY OF: RICHMOND STATE: NY</p> <p>SHT 31 OF 37 <span style="float: right;">05/20/2022</span></p>
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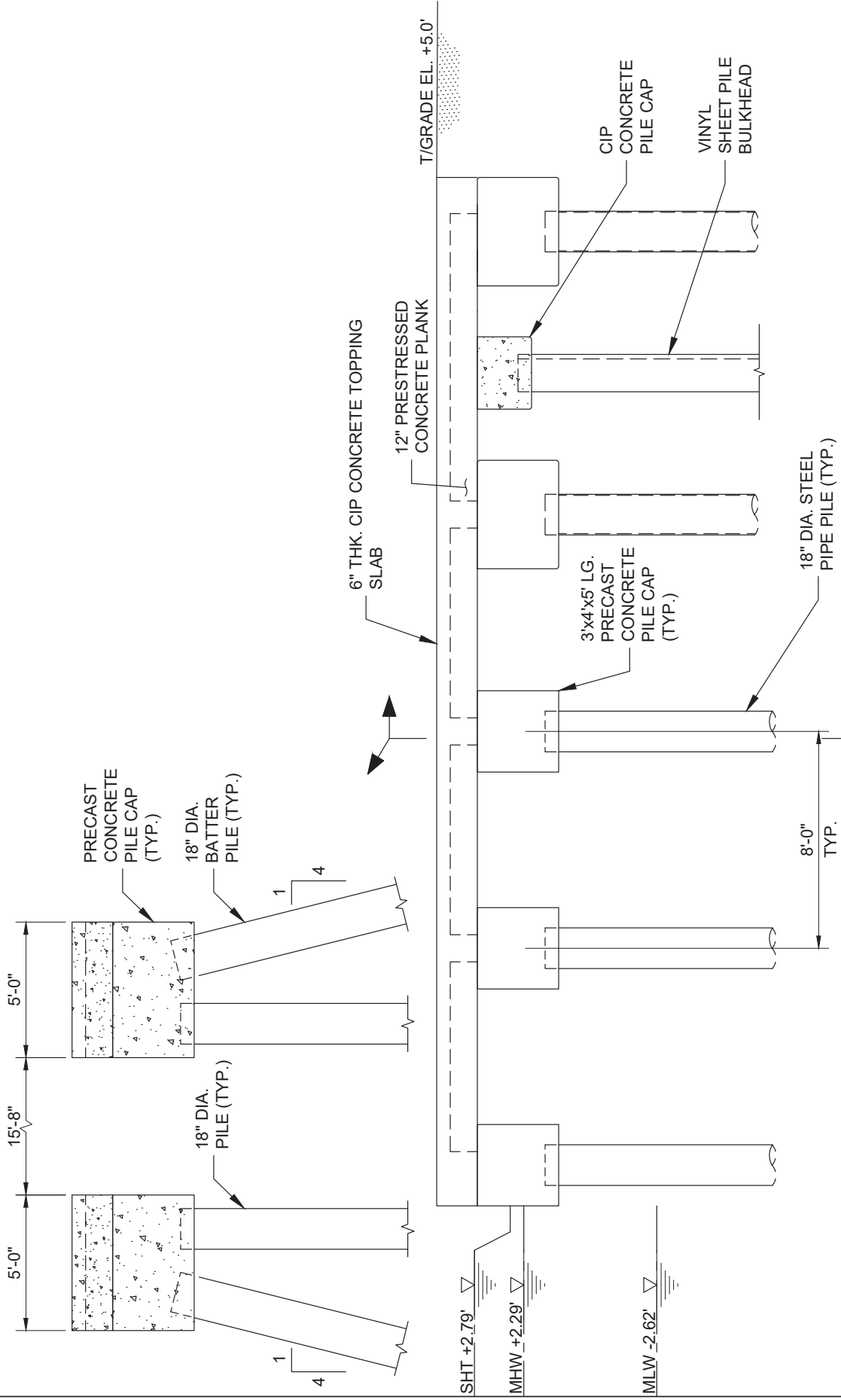


**PROPOSED FLOATING DOCK AND GANGWAY AT SMALL BOAT BASIN**

3/16" = 1'-0"

**E**  
32

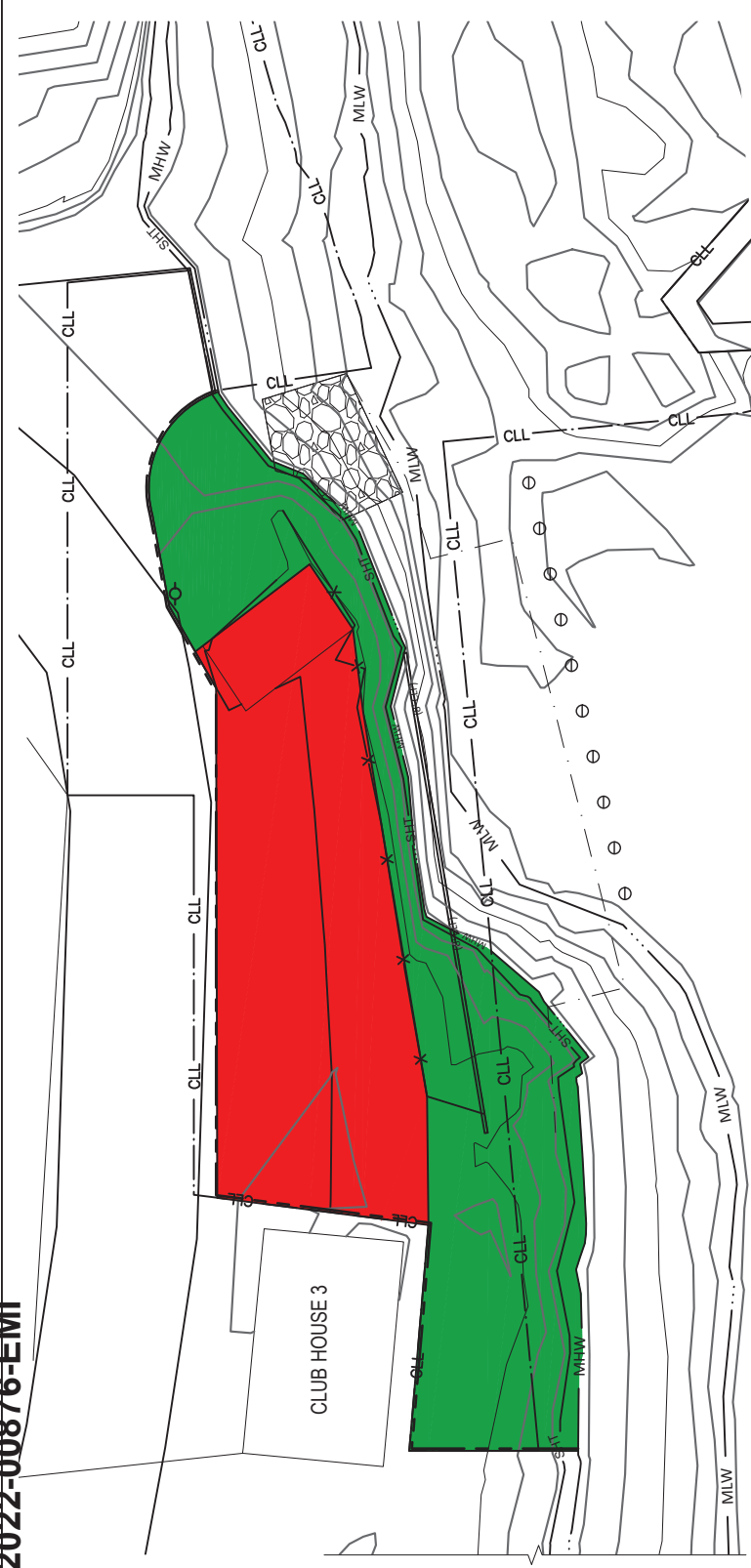
<p>PURPOSE: SHORELINE STABILIZATION          DATUM: NAVD 88          ADJACENT OWNERS:          1. SEE ATTACHED LIST</p>	<p>LEMON CREEK MARINA</p>	<p>PROPOSED SECTIONS          6 OF 7</p>
<p>IN: 175 JOHNSTON TERRACE          AT: STATEN ISLAND          COUNTY OF: RICHMOND STATE: NY</p>	<p>APPLICANT: NYC DEPT. OF PARKS AND RECREATION          117-02 ROOSEVELT AVENUE          FLUSHING, NY 11368</p>	<p>05/20/2022          SHT 32 OF 37</p>
<p>AGENT: M.G. McLAREN, P.C.          131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001</p>		



**F** **PROPOSED TRAVLE LIFT PIER SECTION**  
 3/16" = 1'-0"  
 33

<p>PURPOSE: SHORELINE STABILIZATION          DATUM: NAVD 88          ADJACENT OWNERS:          1. SEE ATTACHED LIST</p>	<p>LEMON CREEK MARINA</p>	<p>PROPOSED SECTIONS          7 OF 7</p>
<p>IN: 175 JOHNSTON TERRACE          AT: STATEN ISLAND          COUNTY OF: RICHMOND STATE: NY</p>	<p>APPLICANT: NYC DEPT. OF PARKS          AND RECREATION          117-02 ROOSEVELT AVENUE          FLUSHING, NY 11368</p>	<p>05/20/2022          SHT 33 OF 37</p>

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

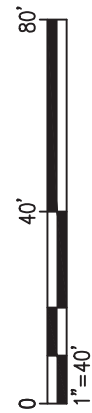


**LINETYPE LEGEND:**

- MLW ———
- MHW ———
- SHT ———
- MAJOR CONTOUR
- MINOR CONTOUR
- (8' CLF) ———
- CLL ———
- TURBIDITY LINE
- DEC ADJACENT AREA LINE
- RIPRAP
- PERVIOUS AREA
- IMPERVIOUS AREA

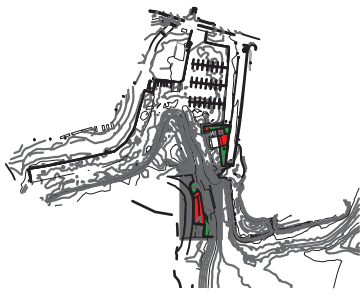
PERVIOUS AREA	5,576 SF	53%
IMPERVIOUS AREA	4,968 SF	47%

**EXISTING  
PERVIOUS/IMPERVIOUS PLAN  
NORTH SHORE BULKHEAD**



**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021. HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE McLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT., NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.



**KEY PLAN**

**PURPOSE:** SHORELINE STABILIZATION  
**DATUM:** NAVD 88  
**ADJACENT OWNERS:**  
 1. SEE ATTACHED LIST

**AGENT:** M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

**LEMON CREEK MARINA**

**PERVIOUS-IMPERVIOUS  
EXISTING PART PLAN 1 OF 2**

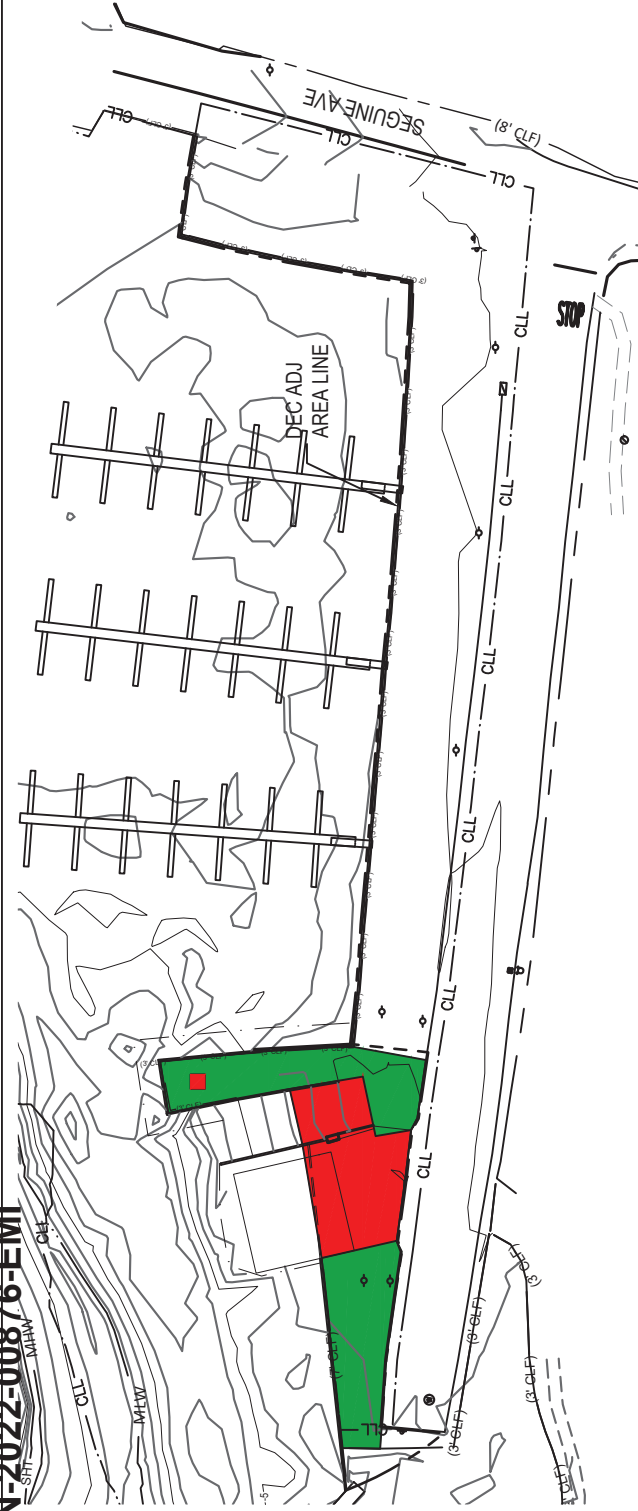
**05/20/2022**

**SHT 34 OF 37**

**IN:** 175 JOHNSTON TERRACE  
**AT:** STATEN ISLAND  
**COUNTY OF:** RICHMOND  
**STATE:** NY

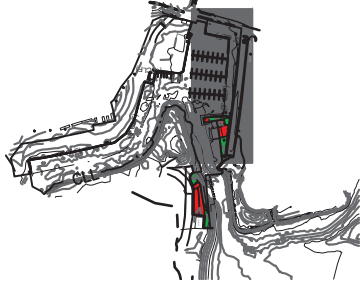
**APPLICANT:** NYC DEPT. OF PARKS AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368





NOTES:

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021, HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE McLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT, NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE EXTENTS AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THERE ARE APPROXIMATELY 50 TOTAL EXISTING STEEL PIPE PILES IN THE LARGE BOAT AND SMALL BOAT BASIN. THESE ARE PROPOSED TO BE REMOVED. THE LOCATION OF THE PILES WERE NOT SURVEYED, CONTRACTOR TO VERIFY IN FIELD.



KEY PLAN

PERVIOUS AREA	4,108 SF	62%
IMPERVIOUS AREA	2,538 SF	38%

EXISTING PERVIOUS/IMPERVIOUS PLAN - PUMP OUT STATION AND SMALL BOAT BASIN

- LINETYPE LEGEND:**
- MAJOR CONTOUR
  - MINOR CONTOUR
  - 5' CHAIN LINK FENCE
  - 8' CHAIN LINK FENCE
  - CONTRACTOR LIMIT LINES
  - TURBIDITY LINE
  - DEC ADJACENT AREA LINE
  - RIPRAP
  - PERVIOUS AREA
  - IMPERVIOUS AREA



PURPOSE: SHORELINE STABILIZATION  
 DATUM: NAVD 88  
 ADJACENT OWNERS:  
 1. SEE ATTACHED LIST

LEMON CREEK MARINA

PERVIOUS-IMPERVIOUS EXISTING PART PLAN 1 OF 2

APPLICANT: NYC DEPT. OF PARKS AND RECREATION  
 117-02 ROOSEVELT AVENUE  
 FLUSHING, NY 11368

IN: 175 JOHNSTON TERRACE  
 AT: STATEN ISLAND  
 COUNTY OF: RICHMOND STATE: NY

05/20/2022

AGENT: M.G. McLAREN, P.C.  
 131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

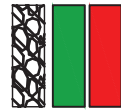
SHT 35 OF 37

LOW LYING OVERHEAD  
UTILITY POWER LINES



**LINETYPE LEGEND:**

- MLW ——— EXISTING MLW
- MHW ——— EXISTING MHW
- SHT ——— EXISTING SHT
- ——— EXISTING MAJOR CONTOUR
- ——— EXISTING MINOR CONTOUR
- C.L.L. ——— CONTRACTOR LIMIT LINES
- ——— PROPOSED TURBIDITY LINE
- ——— DEC ADJACENT AREA LINE
- ——— PROPOSED RIPRAP
- ——— PERVIOUS AREA
- ——— IMPERVIOUS AREA



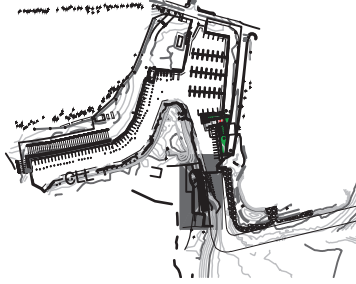
PERVIOUS AREA	4,553 SF	48%
IMPERVIOUS AREA	4,917 SF	52%

**PROPOSED  
PERVIOUS/IMPERVIOUS PLAN  
NORTH SHORE BULKHEAD**



**NOTES:**

1. TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021. HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE MCLAREN ENGINEERING GROUP.
2. ALL ELEVATIONS ARE PRESENTED IN FT., NAVD88 UNLESS OTHERWISE NOTED.
3. FEDERAL NAVIGATION IS BEYOND SITE AND IS 1,500 FT AWAY FROM PROJECT SITE.
4. THE PROPOSED STRUCTURES CREATE A TOTAL CUT OF 172 CY BELOW MHW AND A CUT OF 180 CY BELOW SHT.



**KEY PLAN**

PURPOSE: SHORELINE STABILIZATION

DATUM: NAVD 88

ADJACENT OWNERS:

1. SEE ATTACHED LIST

LEMON CREEK MARINA

PERVIOUS-IMPERVIOUS  
PROPOSED PART PLAN 1  
OF 2

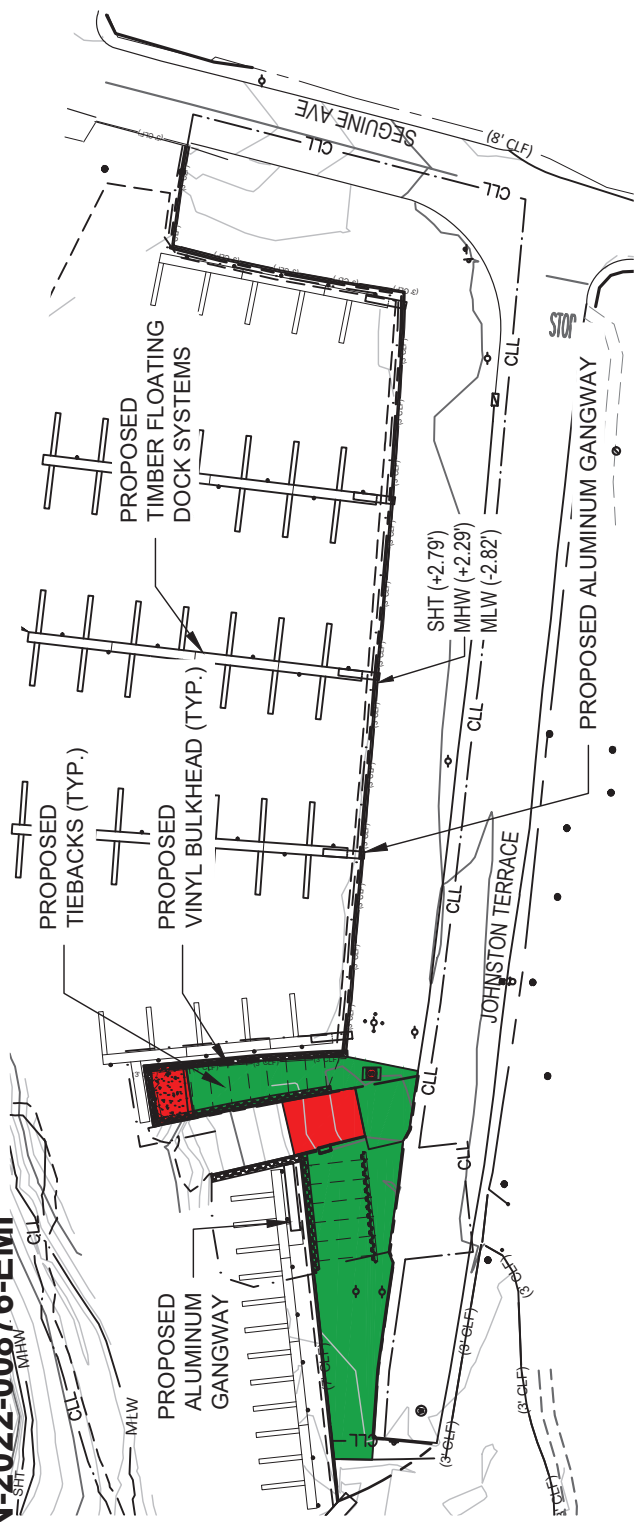
IN: 175 JOHNSTON TERRACE  
AT: STATEN ISLAND  
COUNTY OF: RICHMOND STATE: NY

APPLICANT: NYC DEPT. OF PARKS  
AND RECREATION  
117-02 ROOSEVELT AVENUE  
FLUSHING, NY 11368

05/20/2022

AGENT: M.G. McLAREN, P.C.  
131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001

SHT 36 OF 37

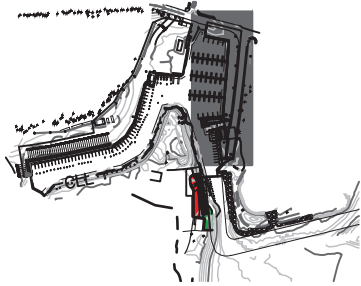
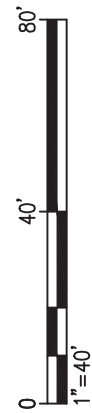


**LINETYPE LEGEND:**

- MLW ——— EXISTING MLW
- MHW ——— EXISTING MHW
- SHT ——— EXISTING SHT
- ——— EXISTING MAJOR CONTOUR
- ——— EXISTING MINOR CONTOUR
- (3' CLF) ——— CONTRACTOR LIMIT LINES
- CLL ——— CONTRACTOR LIMIT LINES
- ——— PROPOSED TURBIDITY LINE
- ——— DEC ADJACENT AREA LINE
- ——— PROPOSED RIPRAP
- ——— PERVIOUS AREA
- ——— IMPERVIOUS AREA

PERVIOUS AREA	5,697 SF	84%
IMPERVIOUS AREA	1,043 SF	16%

**PROPOSED PERVIOUS/IMPERVIOUS PLAN - PUMP OUT STATION AND SMALL BOAT BASIN**



**KEY PLAN**

- NOTES:**
- TOPOGRAPHIC SURVEY COMPLETED ON 02/11/2021. HYDROGRAPHIC SURVEY COMPLETED ON 02/28/2020 AND TREE SURVEY COMPLETED ON 02/26/2021. SURVEYS COMPLETED BY THE McLAREN ENGINEERING GROUP.
  - ALL ELEVATIONS ARE PRESENTED IN FT., NAVD88 UNLESS OTHERWISE NOTED.
  - FEDERAL NAVIGATION IS BEYOND SITE AND IS 1,500 FT AWAY FROM PROJECT SITE.
  - THE PROPOSED STRUCTURES CREATE A TOTAL CUT OF 172 CY BELOW MHW AND A CUT OF 180 CY BELOW SHT.

<p><b>PURPOSE:</b> SHORELINE STABILIZATION</p> <p><b>DATUM:</b> NAVD 88</p> <p><b>ADJACENT OWNERS:</b></p> <p>1. SEE ATTACHED LIST</p>	<p><b>LEMON CREEK MARINA</b></p>	<p>PERVIOUS-IMPERVIOUS PROPOSED PART PLAN 2 OF 2</p>
<p><b>AGENT:</b> M.G. McLAREN, P.C.</p> <p>131 W 35TH ST, 4TH FLR, NEW YORK, NY 10001</p>	<p><b>APPLICANT:</b> NYC DEPT. OF PARKS AND RECREATION</p> <p>117-02 ROOSEVELT AVENUE FLUSHING, NY 11368</p>	<p>05/20/2022</p>
		<p>SHT 37 OF 37</p>