



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-2018-01243-WCO
Issue Date:
Expiration Date:

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: Weeks Marine, Inc.
4 Commerce Drive
Cranford, New Jersey 07016

ACTIVITY: Discharge fill into navigable waters of the United States to facilitate the rehabilitation of an existing Pier C, and the associated and existing eastern, southern, and hardstand marginal areas situated along the southern side of Pier C.

WATERWAY: Upper New York Harbor

LOCATION: Jersey City, Hudson County, New Jersey.

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.

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.

CENAN-OP-RW
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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 mail 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 life stages of some EFH-designated species. 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, there are no known sites eligible for, or included in, the Register within the permit area. Presently unknown archeological, 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 occurs. For activities within the coastal zone of New Jersey State, the applicant's certification and accompanying information is available from the New Jersey Department of Environmental Protection, Coastal Management Program, P.O. Box 418, 401 E. State Street, Trenton, NJ, 08625, Telephone (609) 633-2201. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal,

CENAN-OP-RW
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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 Jersey Department of Environmental Protection Waterfront Development Permit)

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8412 and ask for Jim Cannon.

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>.

FOR AND IN BEHALF OF

Stephan A. Ryba
Chief, Regulatory Branch

Enclosures:

1. Project Location Map
2. Project Plans

WORK DESCRIPTION

The applicant, Weeks Marine, Inc., has requested Department of the Army authorization to discharge fill into waters of the United States to facilitate the rehabilitation of an existing pile supported pier, known as Pier C, and associated waterfront areas known as the eastern and southern marginal wharfs, including the hardstand area located along the waterfront. The project site is located in the City of Jersey City, Hudson County, New Jersey.

The regulated work associated with the "Pier C" rehabilitation activities, and adjacent marginal wharf areas would include the following:

Pier C Rehabilitation Activities: The existing pile supported Pier C is approximately 1,022-linear foot long by 202-foot wide. The pier consists of an earthen filled concrete sided core, with an associated and approximately 35-foot wide relieving platform that extends around the perimeter of the pier. Rehabilitation activities would include the installation of steel sheeting along a portion of Pier C's north and south side. The proposed steeling sheeting would extend from the bulkhead east along the north and south side of the pier for approximately 519-linear feet (totaling approximately 1,038-linear feet). Once installed, approximately 4,394-cubic yards of flowable fill would be pumped beneath the pier core and within the pile field inside the newly installed steel sheeting. Approximately 0.78 acres of waters of the United States would be permanently impacted as a result of these activities.

Additional rehabilitation activities would include removing from the waterway with upland disposal, a portion (approximately 39,396-square feet/ 0.90-acres) of the concrete pile supported relieving platform along Pier C's north side (approximately 508-linear feet), east side (approximately 203-linear feet), and south side (approximately 508-linear feet). The relieving platform extends approximately 36-feet from the pier's concrete core water ward. Once the concrete relieving platform has been removed, eleven (11) 42-inch diameter mooring pipe piles would be installed along the north side of the pier as well as the south side of the pier (a total of 22 piles).

Eastern Marginal Wharf Rehabilitation Activities: The Eastern Marginal Wharf area extends along the waterfront south of Pier C for approximately 600-linear feet. Rock riprap revetment currently extends along this 600-linear foot portion of waterfront and shoreline and extends out into the water way approximately 60-feet. The Department of the Army originally authorized approximately 420-linear feet of new rip rap revetment (approximately 3,410-cubic yards). In addition to the original authorization, the applicant proposes to extend the revetment approximately an additional 215-linear feet (1,401-cubic yards) until it meets at the junction with the Southern Marginal Wharf. The revetment will terminate such that it does not interfere with the berthing line along the Southern Marginal Wharf's outboard monopiles. A nonwoven geotextile layer will be placed below two layers of rock revetment, with the first layer consisting of nine (9) to 79-pounds of rock and the second layer consisting of 140 to 160-pounds of rock. Rehabilitation activities along this portion of the shoreline would include the removal of construction debris, the regrading of the shoreline area, the placement of geotextile fiber, and the discharge of 3,410-cubic yards of new rock riprap revetment overtop existing rock riprap. A section of return combi/sheet pile wall will be required along the Eastern Marginal Wharf, along the sloping termination of the revetment. A total of approximately 0.435-acres of waters of the United States would be permanently disturbed as a result of the Eastern Marginal Wharf rehabilitation activities.

Hardstand Marginal Wharf Rehabilitation Activities: The Hardstand Marginal Wharf is situated on the corner of the waterfront at the intersection of the Eastern and Southern Marginal Wharf. Rehabilitation activities in this area would include the installation of approximately 406-linear feet of steel combination wall immediately water ward of the existing concrete bulkhead. The applicant

now proposes to reduce the total to 282-linear feet of steel combination wall.

Southern Marginal Wharf Rehabilitation Activities: Rehabilitation activities previously authorized included the replacement of seven (7) 36-inch diameter steel breasting dolphins for construction of the combi/sheet pile wall which will be 218-feet. As part of this authorization, the Department of the Army would authorize an additional two (2) new breasting dolphins, resulting in an additional 14-square feet and 7-cubic yards of impacts to Waters of the United States. The adjacent cantilever combination wall bulkhead would be buttressed with a lighter combi/sheetpile section.

The total project permanent impacts following construction for the portion of the project originally authorized by the Department of the Army was 0.389-acres at the Eastern Marginal Wharf and 0.038-acres at the Southern Marginal Wharf. The proposed permanent impacts following project modifications would result in an additional net impact of 0.046-acres (removal of 0.030-acres of existing rubble and concrete debris followed by installation of 0.076-acres of riprap revetment) to tidal Waters of the United States as a result of the fill associated with the redesign of the Eastern Marginal Wharf revetment reinforcement. Under the original permit, work completed to date includes the following:

Pier C

- Removal of approximately 15,000-square feet (0.34-acres) of relieving platform on north side of Pier C. Approximately 38% of the 0.9-acres authorized.
- Installation of six (6) 42-inch monopiles (22 authorized) along north side of Pier C.
- Installation of approximately 500-linear feet of steel sheeting on the north side of Pier C and 109-feet on the south side of Pier C (1,038 linear feet authorized).

Eastern Marginal Wharf

- no work completed

Hardstand Marginal Wharf

- Installation of 282-linear feet of steel combination wall

Southern Marginal Wharf

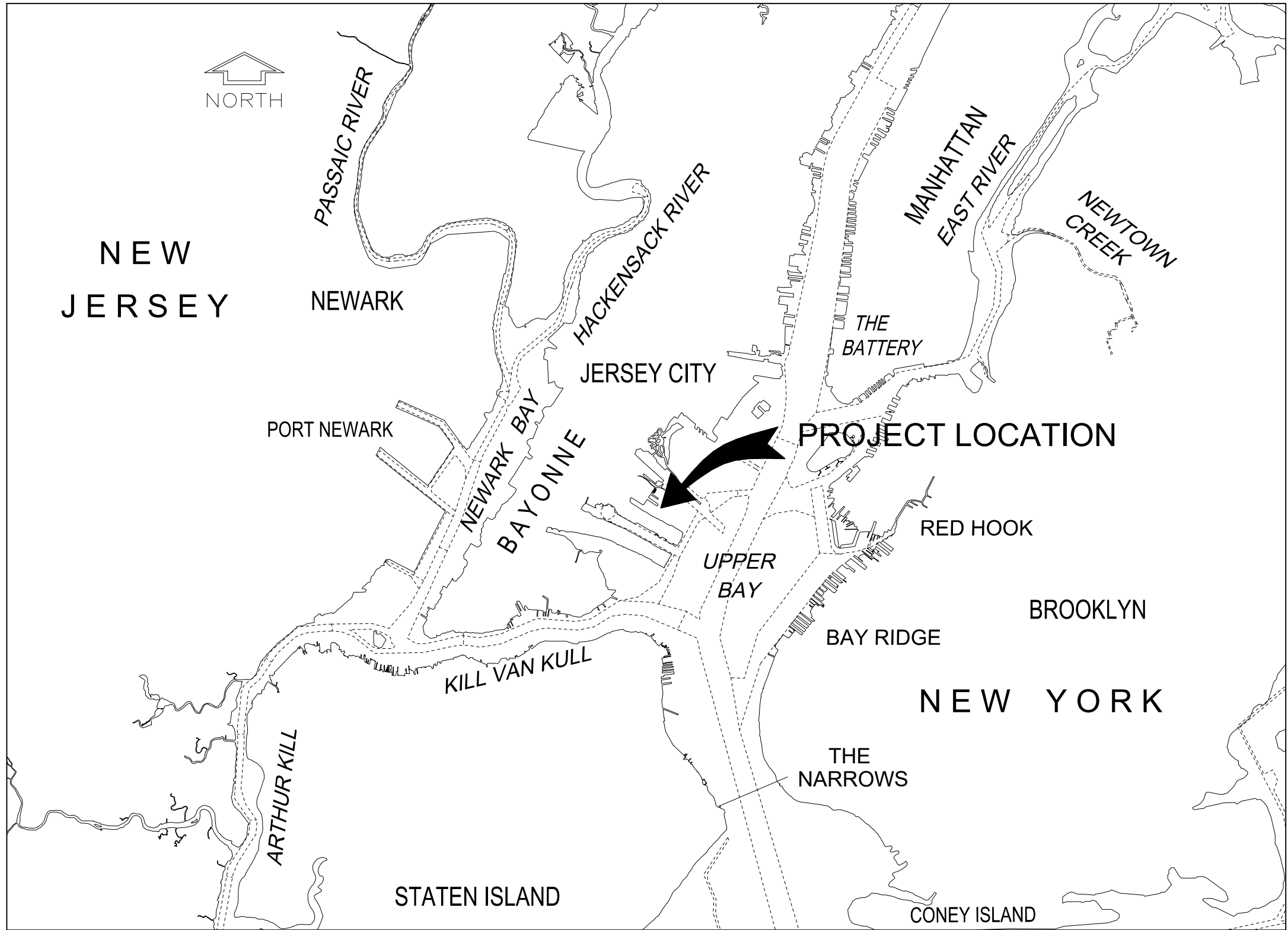
- replacement of all seven (7) 36-inch steel breasting dolphins, two (2) additional 36-inch steel breasting dolphins

Mitigation:

There is a net-zero impact to waters of the U.S. because of the proposed modification's structural living shoreline replacing the dilapidated timber crib and vertical sheet pile wall. Additionally, a large portion of Pier C will be daylighted.

The applicant's stated purpose of this project is to repair and stabilize Pier C, as well as the Eastern, Southern and Hardstand Wharves to ensure the safety of the personnel working at the site, and to improve the overall operational efficiency of the site.

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VICINITY MAP

TIDAL DATA

| | |
|---------|--------|
| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |

THE PORT AUTHORITY
OF NY & NJ

ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

VICINITY MAP

REHABILITATE STRUCTURES
AT GREENVILLE YARD

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NEW JERSEY
CITY

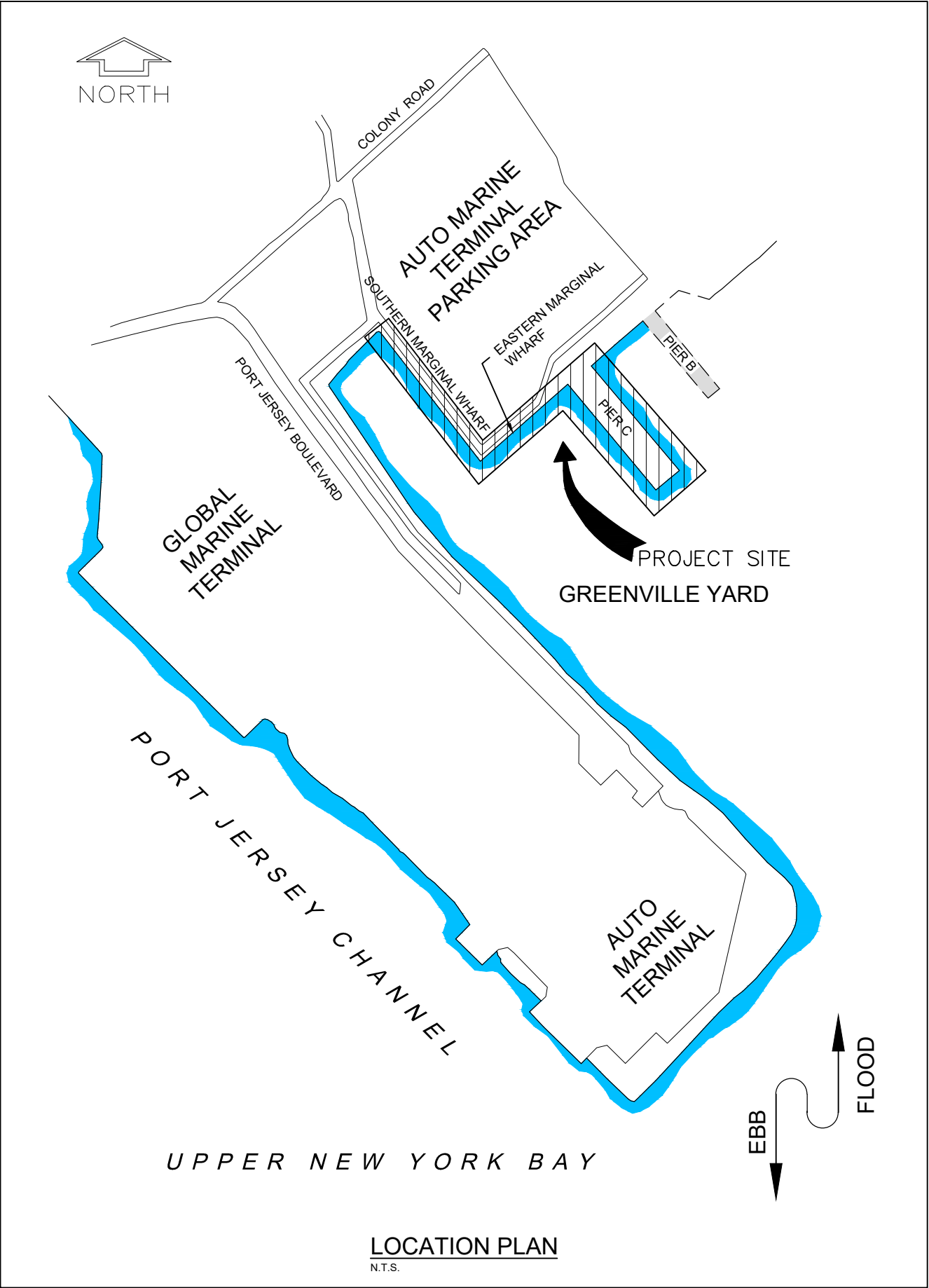
HUDSON
COUNTY

WEEKS MARINE, INC.
APPLICANT

MAY 2017
DATE

SHEET 1 OF 18

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TIDAL DATA

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| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |

**THE PORT AUTHORITY
OF NY & NJ**

ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

LOCATION PLAN

**REHABILITATE STRUCTURES
AT GREENVILLE YARD**

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NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

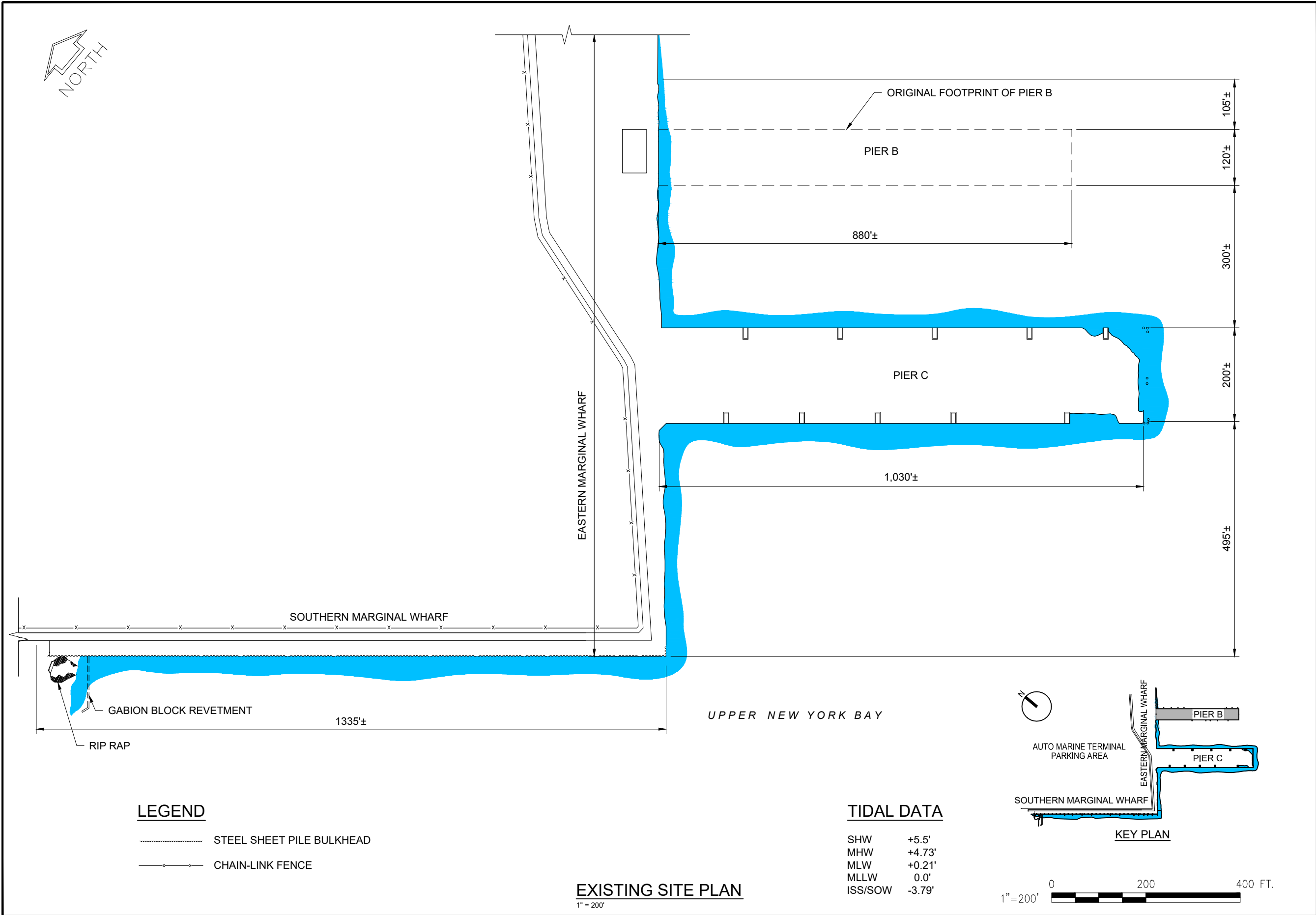
APPLICANT

MAY 2017

DATE

SHEET 2 OF 18

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THE PORT AUTHORITY
OF NY & NJ

ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

EXISTING SITE PLAN

REHABILITATE STRUCTURES
AT GREENVILLE YARD

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NEW JERSEY

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WEEKS MARINE, INC.

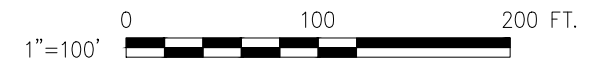
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MAY 2017

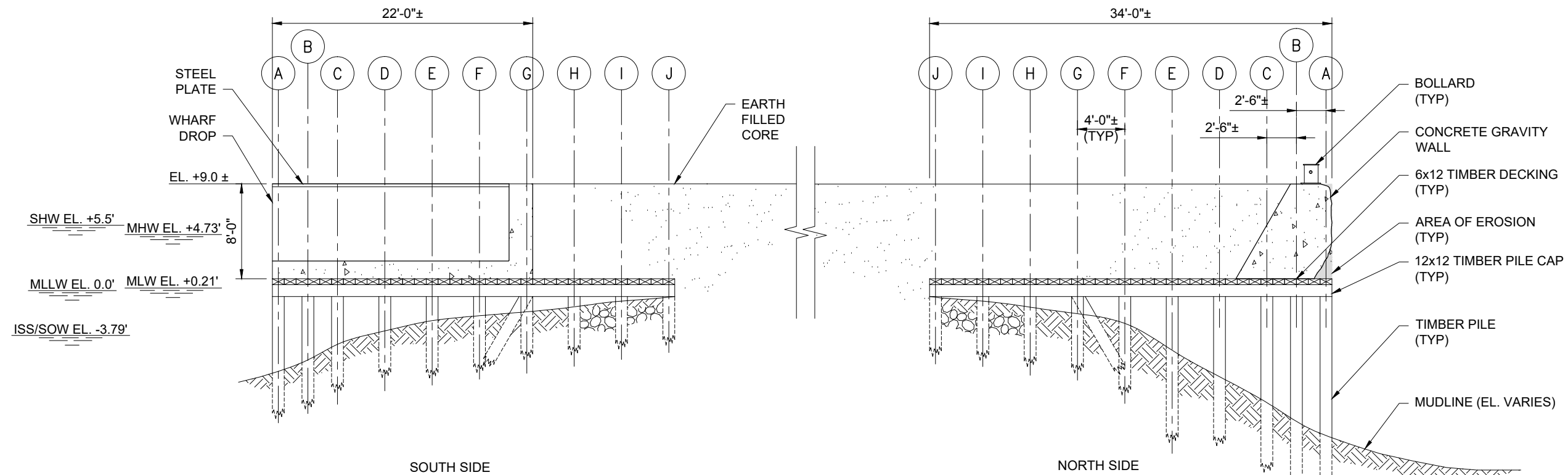
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| SHEET | 3 | OF | 18 |
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SHEET 4 OF 18



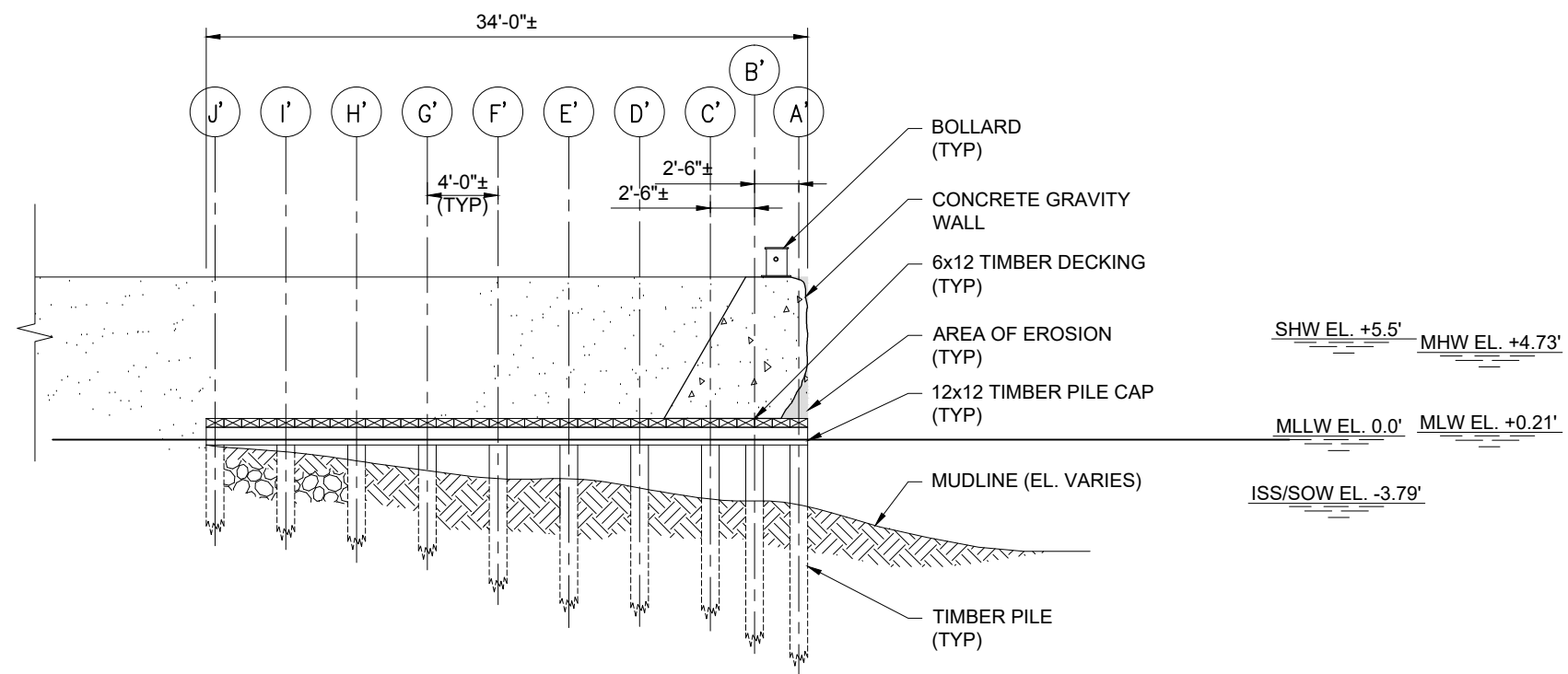
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A EXISTING PIER C TYPICAL SECTION

1" = 10'

4



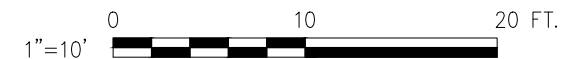
B EXISTING PIER C TYPICAL SECTION

1" = 10'

4

TIDAL DATA

| | |
|---------|--------|
| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |



**THE PORT AUTHORITY
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ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

EXISTING PIER C
TYPICAL SECTION

REHABILITATE STRUCTURES
AT GREENVILLE YARD

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NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

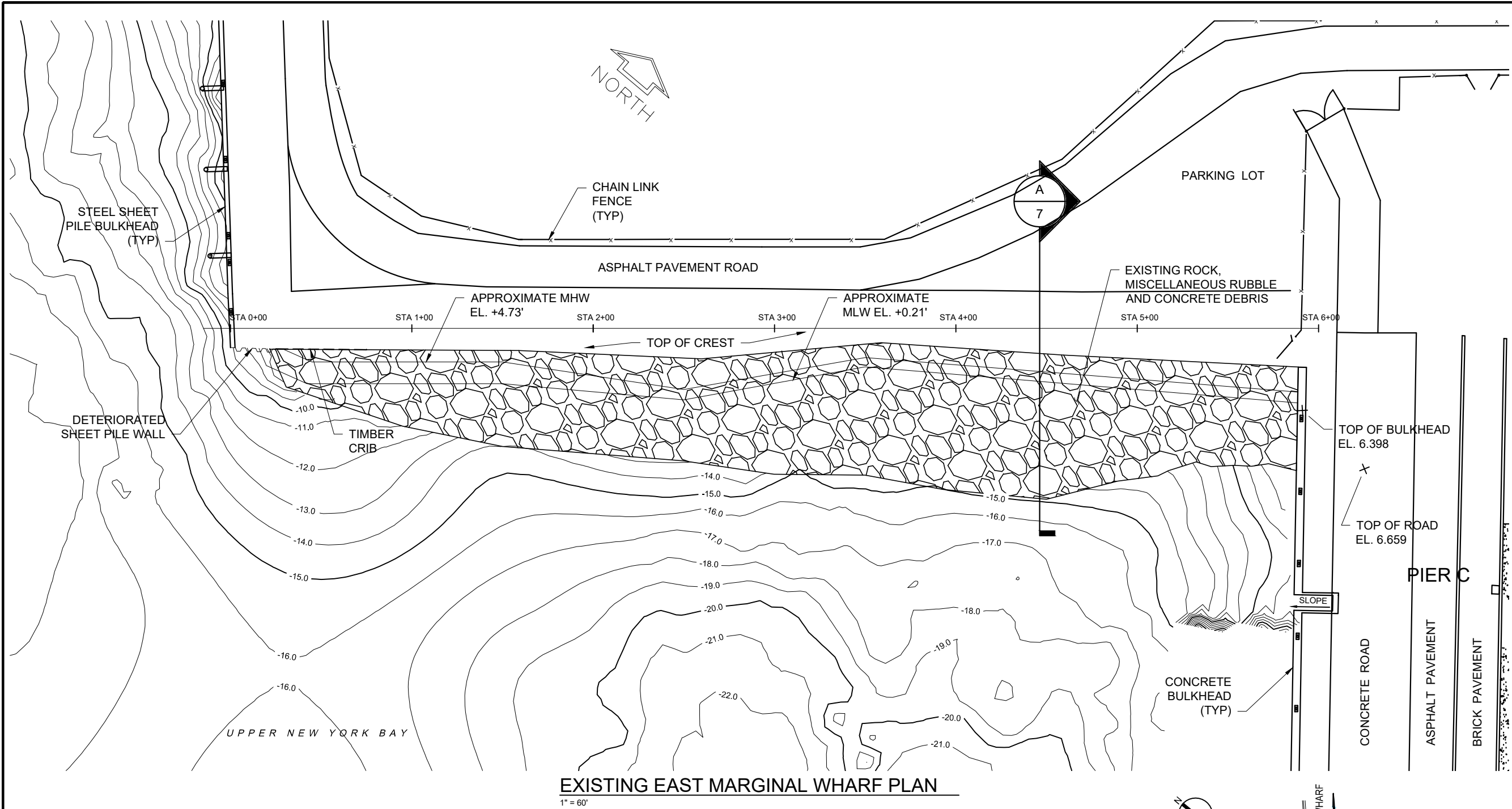
APPLICANT

MAY 2017

DATE

SHEET 5 OF 18

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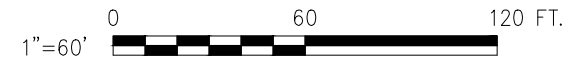
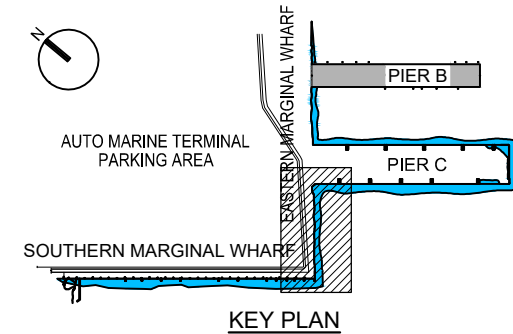


NOTES

1. THE EXTENT OF ROCK, RUBBLE AND CONCRETE DEBRIS BASED ON CH2MHILL DIVE SURVEY SEPT, 2013.
2. ALL UNITS ARE IN FEET UNLESS OTHERWISE NOTED.
3. ALL ELEVATIONS BASED ON MLLW DATUM AT NOAA STATION 8518750.

TIDAL DATA

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| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |



**THE PORT AUTHORITY
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ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

EXISTING EASTERN
MARGINAL WHARF PLAN

REHABILITATE STRUCTURES
AT GREENVILLE YARD

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NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

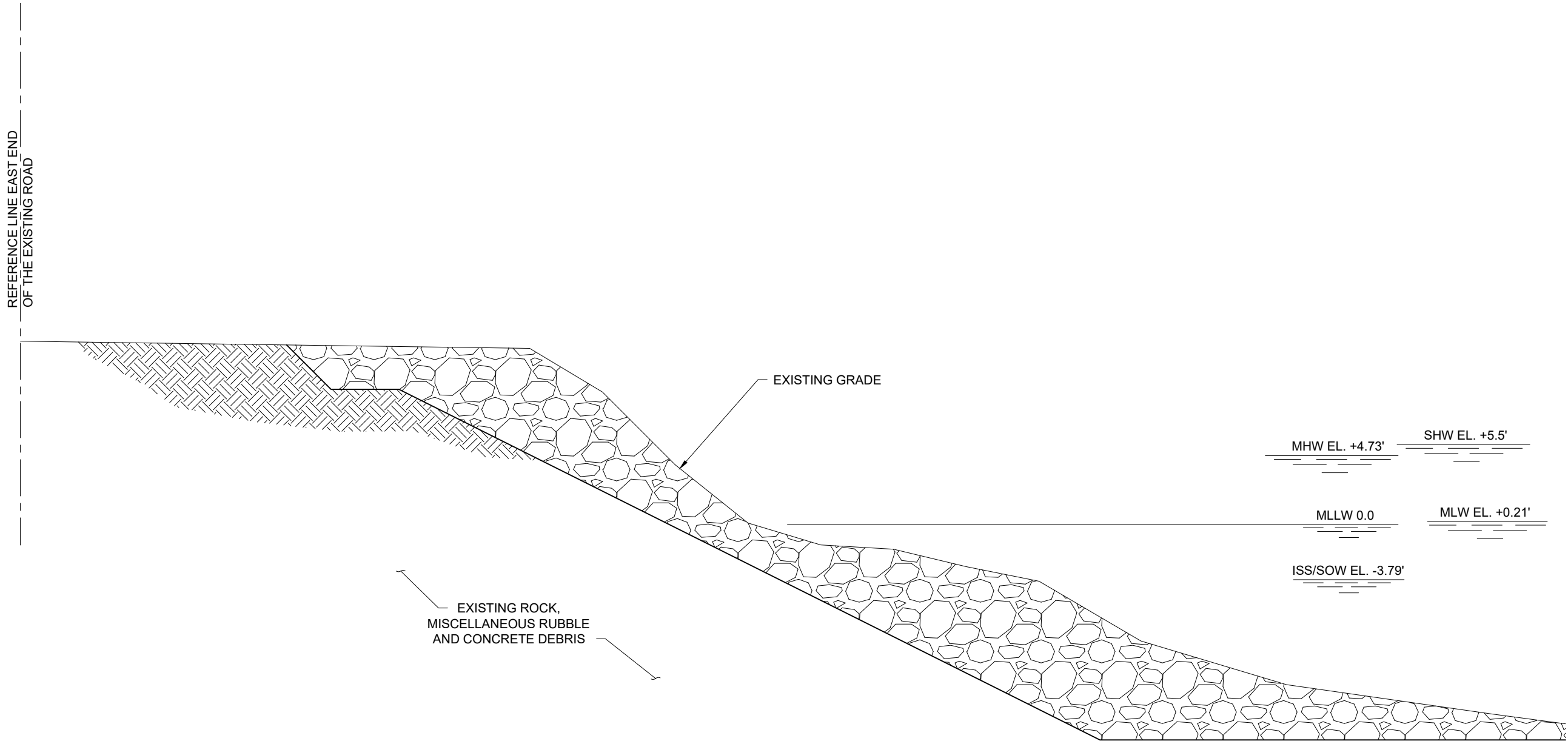
APPLICANT

MAY 2017

DATE

SHEET 6 OF 18

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TIDAL DATA

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| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |

A **TYPICAL SECTION**
1/8" = 1'-0"
6



**THE PORT AUTHORITY
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ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

EXISTING EASTERN
MARGINAL WHARF SECTION

**REHABILITATE STRUCTURES
AT GREENVILLE YARD**

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NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

APPLICANT

MAY 2017

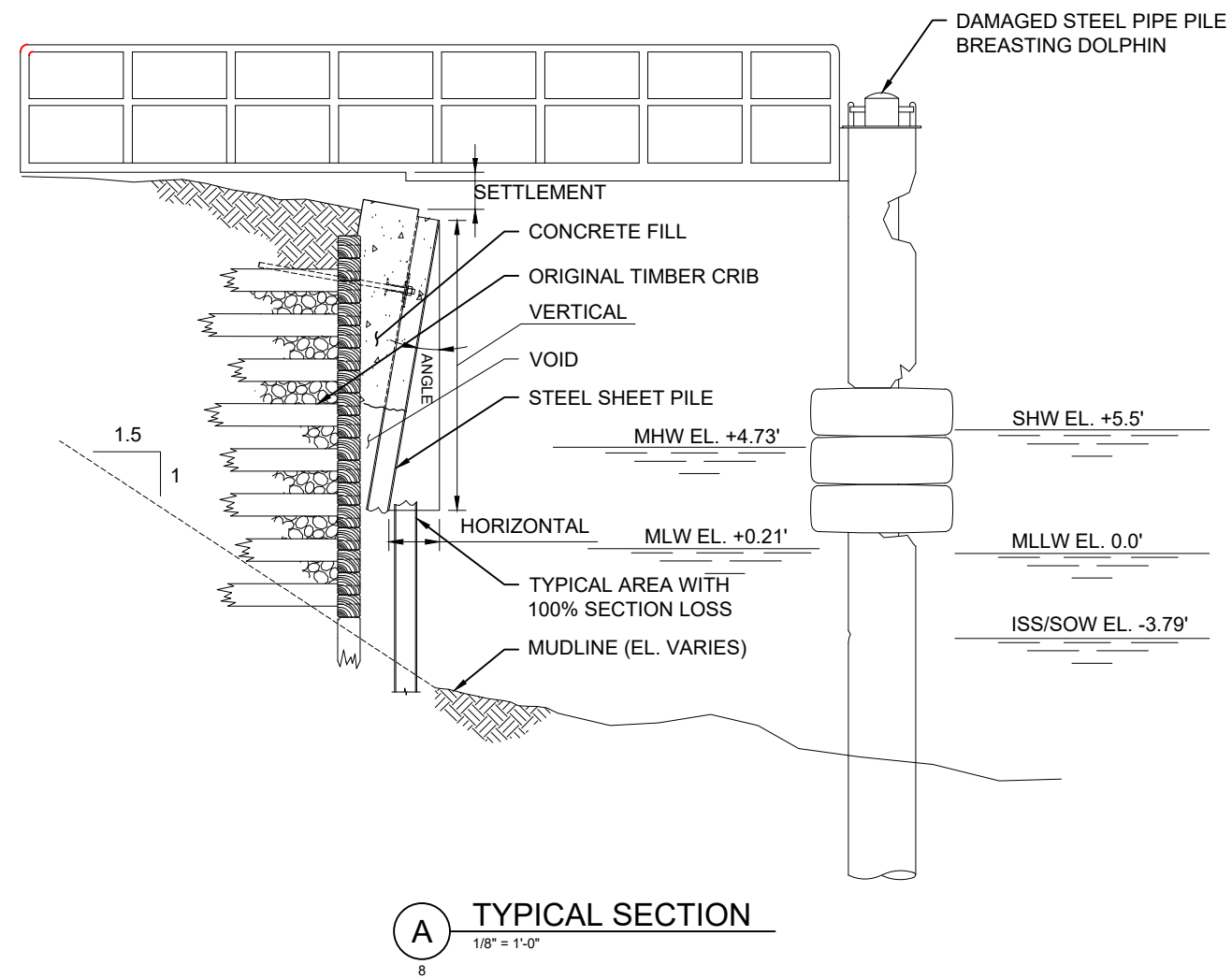
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SHEET 7 OF 18

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TIDAL DATA

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| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |



**THE PORT AUTHORITY
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ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

EXISTING SOUTHERN
MARGINAL WHARF
SECTION

REHABILITATE STRUCTURES
AT GREENVILLE YARD

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NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

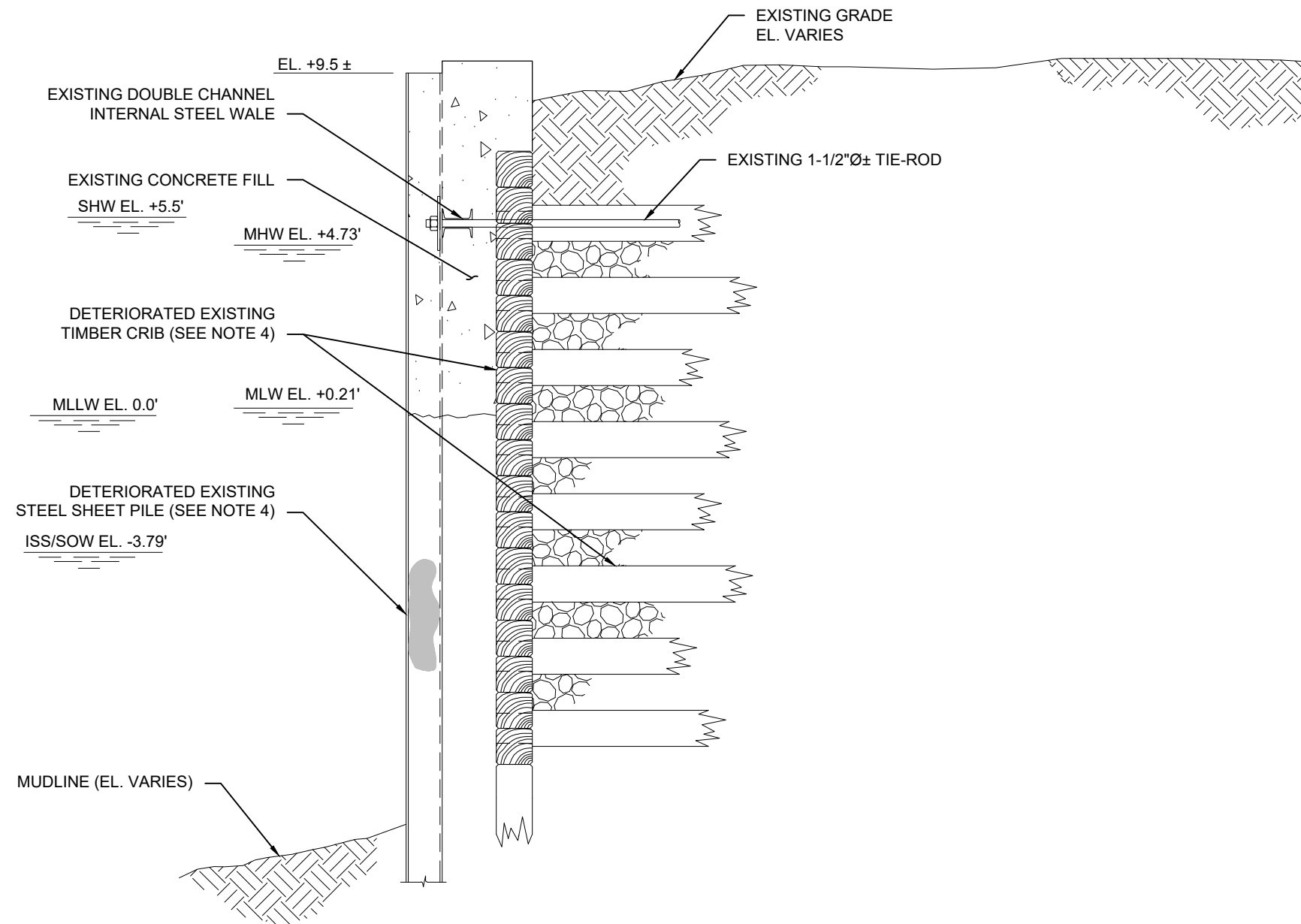
APPLICANT

MAY 2017

DATE

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B EXISTING HARDSTAND SECTION
1/4" = 1'-0"
8

NOTES

1. INSTALL JERSEY BARRIERS TO PREVENT VEHICULAR TRAFFIC ON "NO LIVE LOAD" AREAS OF STRUCTURE.
2. REMOVE EXISTING MOORING HARDWARE ON PIER.
3. ALL ELEVATIONS ARE AT 2.78 FT ABOVE NORTH AMERICAN VERTICAL DATUM (NAVD88). MLLW=0 EQUIVALENT OF 2.78' (NAVD88)
4. EXISTING CRIB WALL IS COMPLETELY COLLAPSED OR MISSING. SHEET PILING IS PARTLY COLLAPSED.

TIDAL DATA

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| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |



**THE PORT AUTHORITY
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ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

EXISTING HARDSTAND
SECTION

**REHABILITATE STRUCTURES
AT GREENVILLE YARD**

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| VP | MA | BP |
| Designed by | Drawn by | Checked by |

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| 30501 | 01 |
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NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

APPLICANT

MAY 2017

DATE

SHEET 10 OF 18

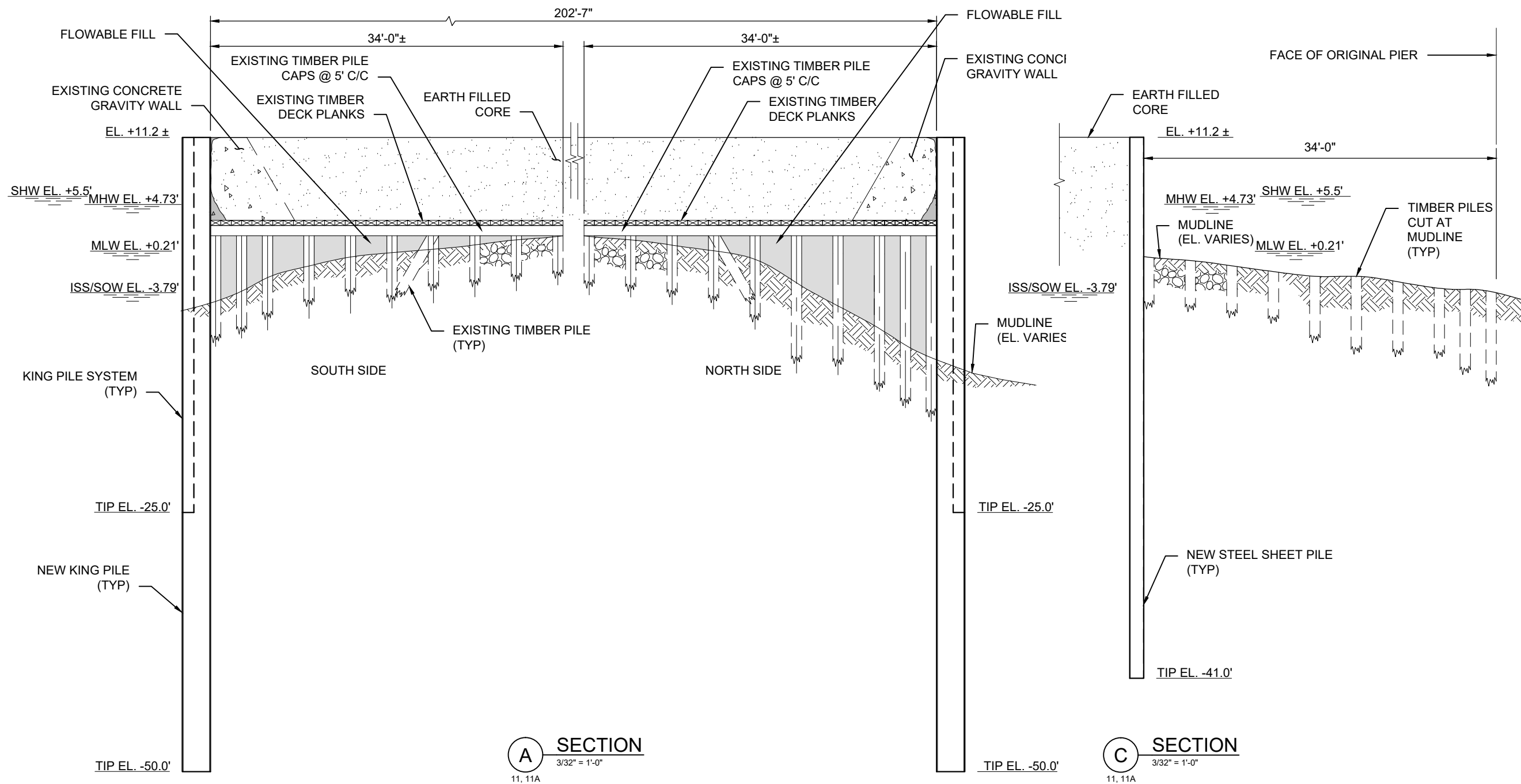
CREDITS

| | |
|--|-------------|
| INTERTIDAL AND SUBTIDAL DECK REMOVAL VOLUME: | 5,632 cu yd |
| STATE OPEN WATER DECK REMOVAL VOLUME: | 643 cu yd |
| INTERTIDAL AND SUBTIDAL PILE REMOVAL VOLUME: | 229 cu yd |
| STATE OPEN WATER PILE REMOVAL VOLUME: | 29 cu yd |

SHEET 11 OF 18

0 100 200 FT.
1"=100'

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TIDAL DATA

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| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |

NOTES

- REMOVE EXISTING MOORING HARDWARE ON PIER.
- ALL ELEVATIONS ARE AT 2.78 FT ABOVE NORTH AMERICAN VERTICAL DATUM (NAVD88).
MLLW=0 EQUIVALENT OF 2.78' (NAVD88)



**THE PORT AUTHORITY
OF NY & NJ**

ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

PROPOSED PIER C
SECTIONS

REHABILITATE STRUCTURES
AT GREENVILLE YARD

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| VP | MA | BP |
| Designed by | Drawn by | Checked by |

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| BLOCK | LOT |

NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

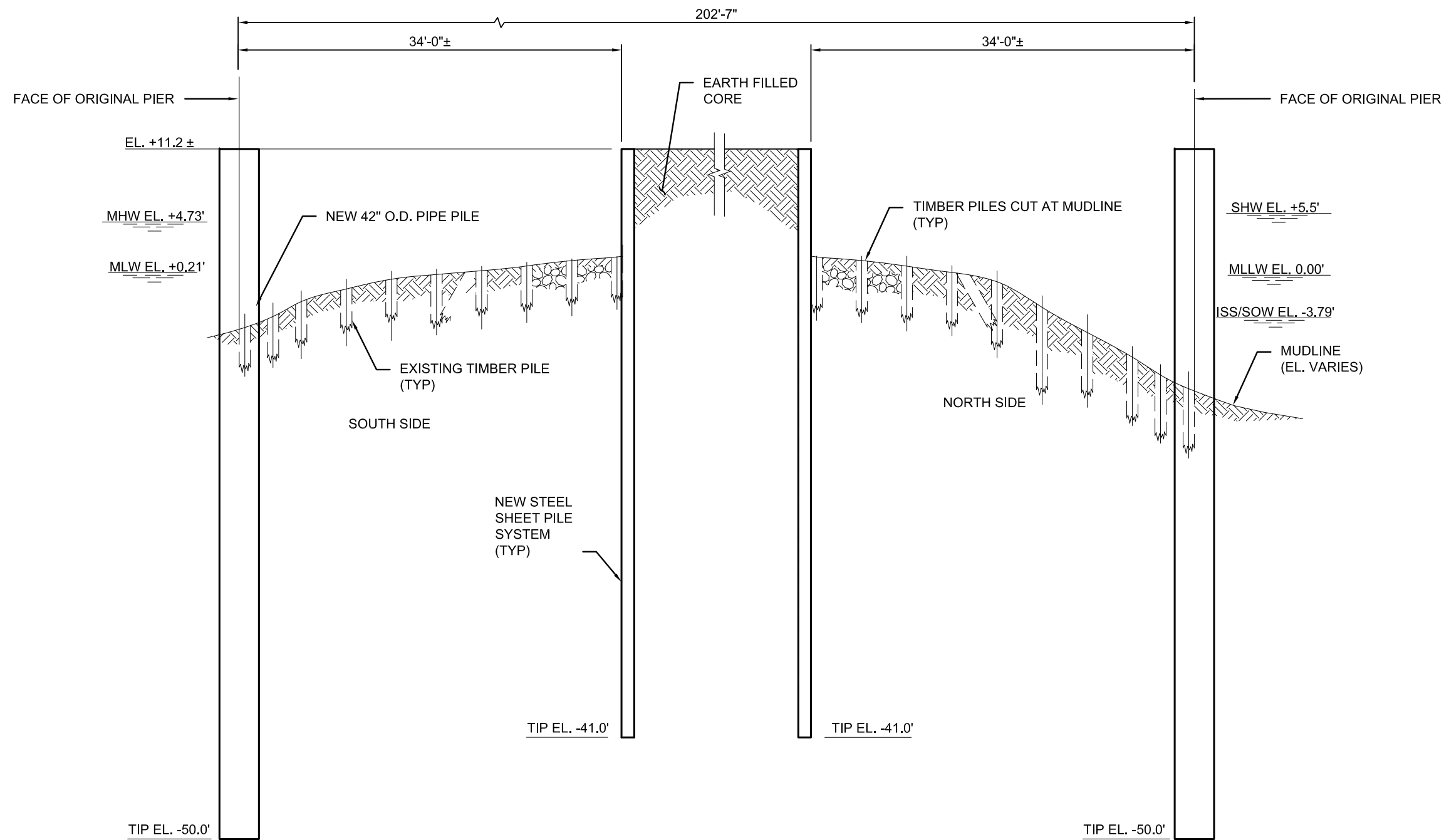
APPLICANT

MAY 2017

DATE

SHEET 12 OF 18

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TIDAL DATA

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| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |

B SECTION
3/32" = 1'-0"
11, 11A

NOTES

- REMOVE EXISTING MOORING HARDWARE ON PIER.
- ALL ELEVATIONS ARE AT 2.78 FT ABOVE NORTH AMERICAN VERTICAL DATUM (NAVD88). MLLW=0 EQUIVALENT OF 2.78' (NAVD88).
- EXISTING TIMBER PILES SHALL BE CUT AT THE MUDLINE.

3/32"=1'-0" 0 5 20 FT.

**THE PORT AUTHORITY
OF NY & NJ**

ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

PROPOSED PIER C
SECTION B

REHABILITATE STRUCTURES
AT GREENVILLE YARD

| | | |
|-------------|----------|------------|
| VP | MA | BP |
| Designed by | Drawn by | Checked by |

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| 30501 | 01 |
| BLOCK | LOT |

NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

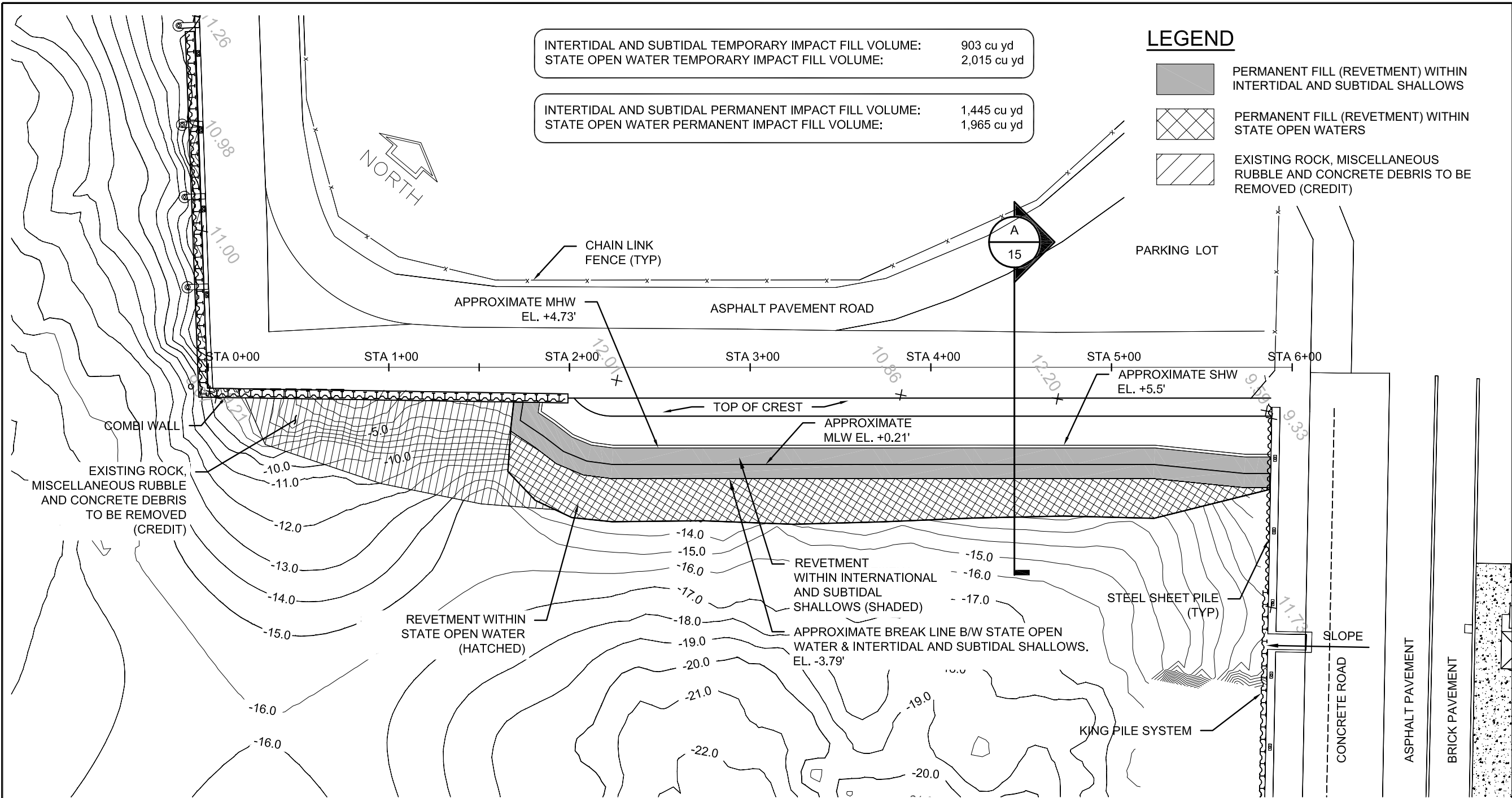
APPLICANT

MAY 2017

DATE

SHEET 13 OF 18

S:\4\480579 - Greenville\Figure\Permit\Fig 14.dwg Date: 5/10/2017 1:51 PM User: HS037482



INTERTIDAL AND SUBTIDAL TEMPORARY IMPACT FILL VOLUME: 903 cu yd
STATE OPEN WATER TEMPORARY IMPACT FILL VOLUME: 2,015 cu yd

INTERTIDAL AND SUBTIDAL PERMANENT IMPACT FILL VOLUME: 1,445 cu yd
STATE OPEN WATER PERMANENT IMPACT FILL VOLUME: 1,965 cu yd

LEGEND

- PERMANENT FILL (REVEMENT) WITHIN INTERTIDAL AND SUBTIDAL SHALLOWS
- PERMANENT FILL (REVEMENT) WITHIN STATE OPEN WATERS
- EXISTING ROCK, MISCELLANEOUS RUBBLE AND CONCRETE DEBRIS TO BE REMOVED (CREDIT)

THE PORT AUTHORITY
OF NY & NJ

ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

PROPOSED EASTERN
MARGINAL WHARF PLAN
FOR CREATION OF
LIVING SHORELINE

REHABILITATE STRUCTURES
AT GREENVILLE YARD

CREDITS
INTERTIDAL AND SUBTIDAL STONE REMOVAL AREA: 640 sq ft
STATE OPEN WATER STONE REMOVAL AREA: 5,763 sq ft
INTERTIDAL AND SUBTIDAL STONE REMOVAL VOLUME: 47 cu yd
STATE OPEN WATER STONE REMOVAL VOLUME: 427 cu yd

INTERTIDAL AND SUBTIDAL PERMANENT IMPACT FILL AREA: 7,870 sq ft
STATE OPEN WATER PERMANENT IMPACT FILL AREA: 9,074 sq ft

INTERTIDAL AND SUBTIDAL TEMPORARY IMPACT FILL AREA: 19,384 sq ft
STATE OPEN WATER TEMPORARY IMPACT FILL AREA: 3,212 sq ft

PROPOSED EASTERN MARGINAL WHARF PLAN FOR CREATION OF LIVING SHORELINE

1" = 60'

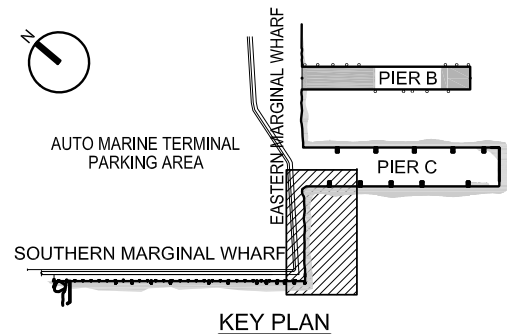
TIDAL DATA

SHW +5.5'
MHW +4.73'
MLW +0.21'
MLLW 0.0'
ISS/SOW -3.79'

NOTES

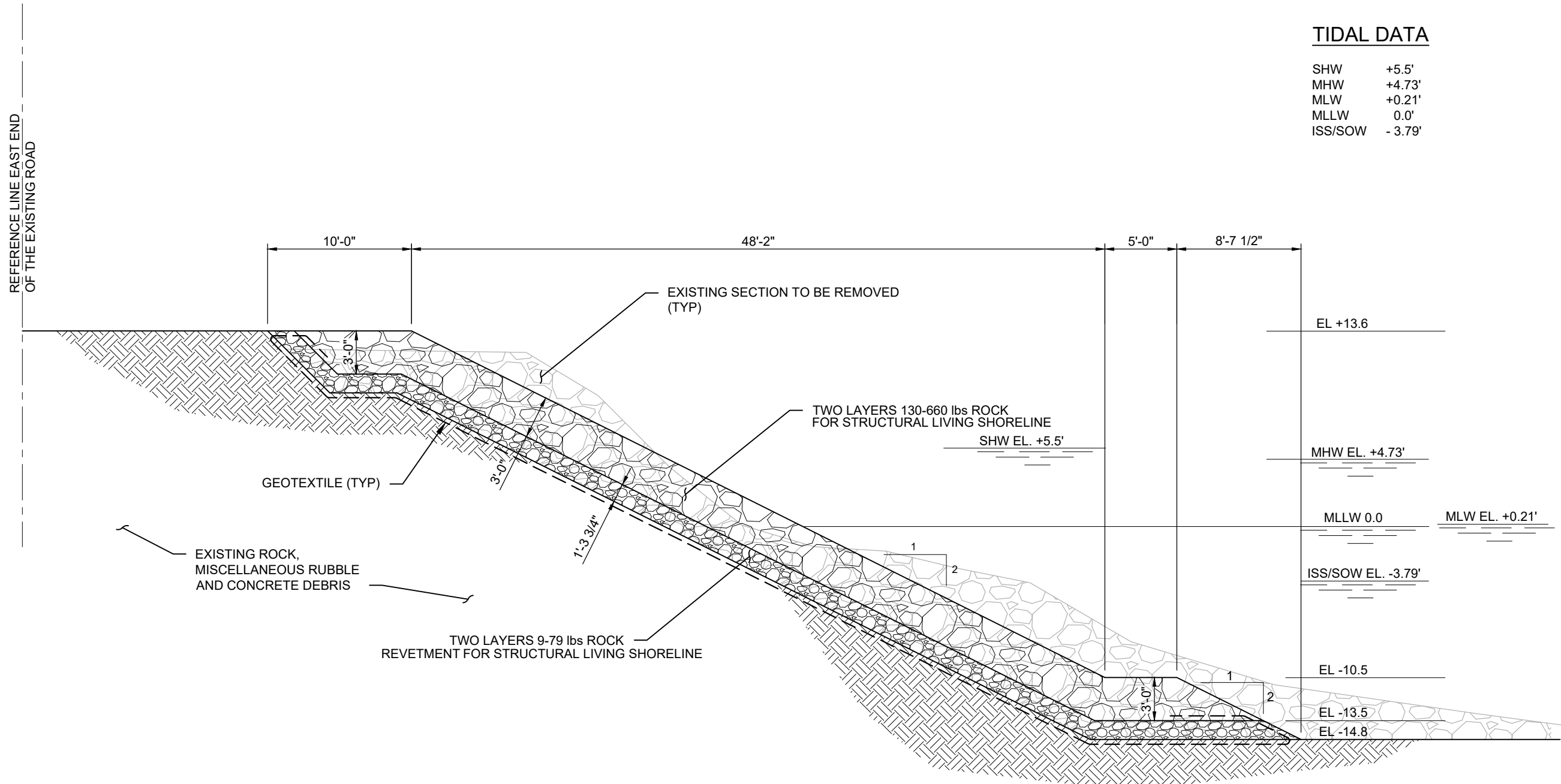
- ALL UNITS ARE IN FEET UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS BASED ON MLLW DATUM AT NOAA STATION THE BATTERY (8518750).
- EXISTING ROCKS AND DEBRIS WILL BE REMOVED AS NEEDED TO FACILITATE INSTALLATION OF GEOTEXTILE WHICH WILL ALLOW FOR SOIL STABILIZATION AND EROSION CONTROL.
- TEMPORARY IMPACTS WILL RESULT FROM MOVING ROCKS AND DEBRIS TO CREATE THE NEW SLOPE OF THE REVEMENT, AS DEPICTED ON SHEET 15.

1" = 60' 0 60 120 FT.



| VP | MA | BP |
|--------------------|----------|------------|
| Designed by | Drawn by | Checked by |
| 30501 | 01 | |
| BLOCK | LOT | |
| NEW JERSEY | | |
| CITY | | |
| HUDSON | | |
| COUNTY | | |
| WEEKS MARINE, INC. | | |
| APPLICANT | | |
| MAY 2017 | | |
| DATE | | |
| SHEET 14 OF 18 | | |

S: \\4\\480579 - Greenville\\Figure\\Permit\\Fig 15.dwg Date: 4/6/2017 4:57 PM User: KatnikM



A TYPICAL SECTION
1/8" = 1'-0"

TIDAL DATA

| | |
|---------|--------|
| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |

**THE PORT AUTHORITY
OF NY & NJ**

ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

PROPOSED EASTERN
MARGINAL WHARF SECTION
**FOR CREATION OF
LIVING SHORELINE**

**REHABILITATE STRUCTURES
AT GREENVILLE YARD**

| | | |
|-------------|----------|------------|
| VP | MA | BP |
| Designed by | Drawn by | Checked by |

| | |
|-------|-----|
| 30501 | 01 |
| BLOCK | LOT |

NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

APPLICANT

MAY 2017

DATE

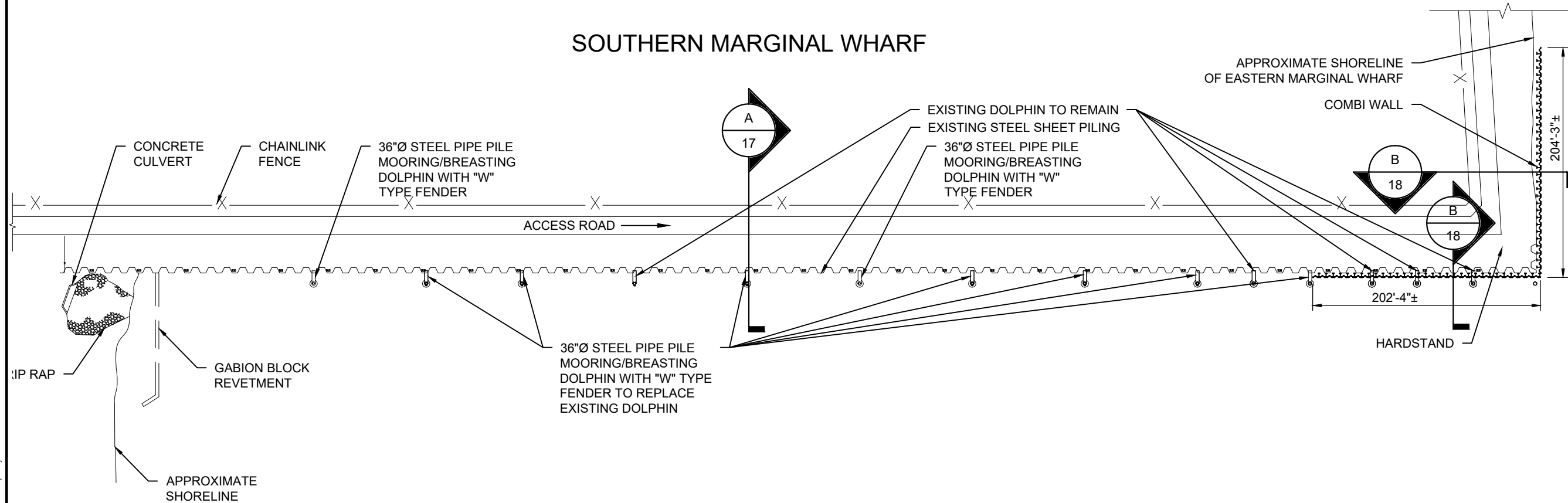
SHEET 15 OF 18

1/8" = 1'-0" 0 5 10 15 FT.

S:\4\480579 - Greenville\Figure\Permit\Fig 16.dwg Date: 4/6/2017 3:57 PM User: KatnikM



SOUTHERN MARGINAL WHARF



PROPOSED SOUTHERN MARGINAL WHARF PLAN

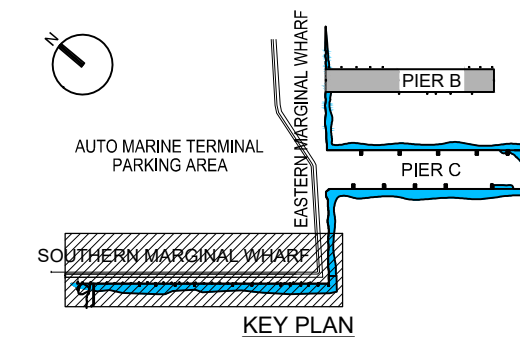
1" = 100'

HARDSTAND
INTERTIDAL AND SUBTIDAL FILL AREA: 613 s² ft
STATE OPEN WATER FILL AREA: 1,014 s² ft
INTERTIDAL AND SUBTIDAL FILL VOLUME: 216 cu yd
STATE OPEN WATER FILL VOLUME: 477 cu yd

DOLPHINS
STATE OPEN WATER FILL AREA: 14 s² ft
STATE OPEN WATER FILL VOLUME: 7 cu yd

TIDAL DATA

SHW +5.5'
MHW +4.73'
MLW +0.21'
MLLW 0.0'
ISS/SOW -3.79'



1"=100' 0 100 200 FT.

**THE PORT AUTHORITY
OF NY & NJ**

ENGINEERING DEPARTMENT

**NEW JERSEY
MARINE TERMINAL**

PROPOSED SOUTHERN
MARGINAL WHARF PLAN

**REHABILITATE STRUCTURES
AT GREENVILLE YARD**

VP MA BP
Designed by Drawn by Checked by

30501 01
BLOCK LOT

NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

APPLICANT

MAY 2017

DATE

SHEET 16 OF 18

S:\4\480579 - Greenville\Figure\Permit\Fig 17.dwg Date: 4/6/2017 9:52 AM User: KatnikM

ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

PROPOSED SOUTHERN
MARGINAL WHARF
SECTION

REHABILITATE STRUCTURES
AT GREENVILLE YARD

| VP | MA | BP |
|-------------|----------|------------|
| Designed by | Drawn by | Checked by |

| | |
|-------|-----|
| 30501 | 01 |
| BLOCK | LOT |

NEW JERSEY

CITY

HUDSON

COUNTY

WEEKS MARINE, INC.

APPLICANT

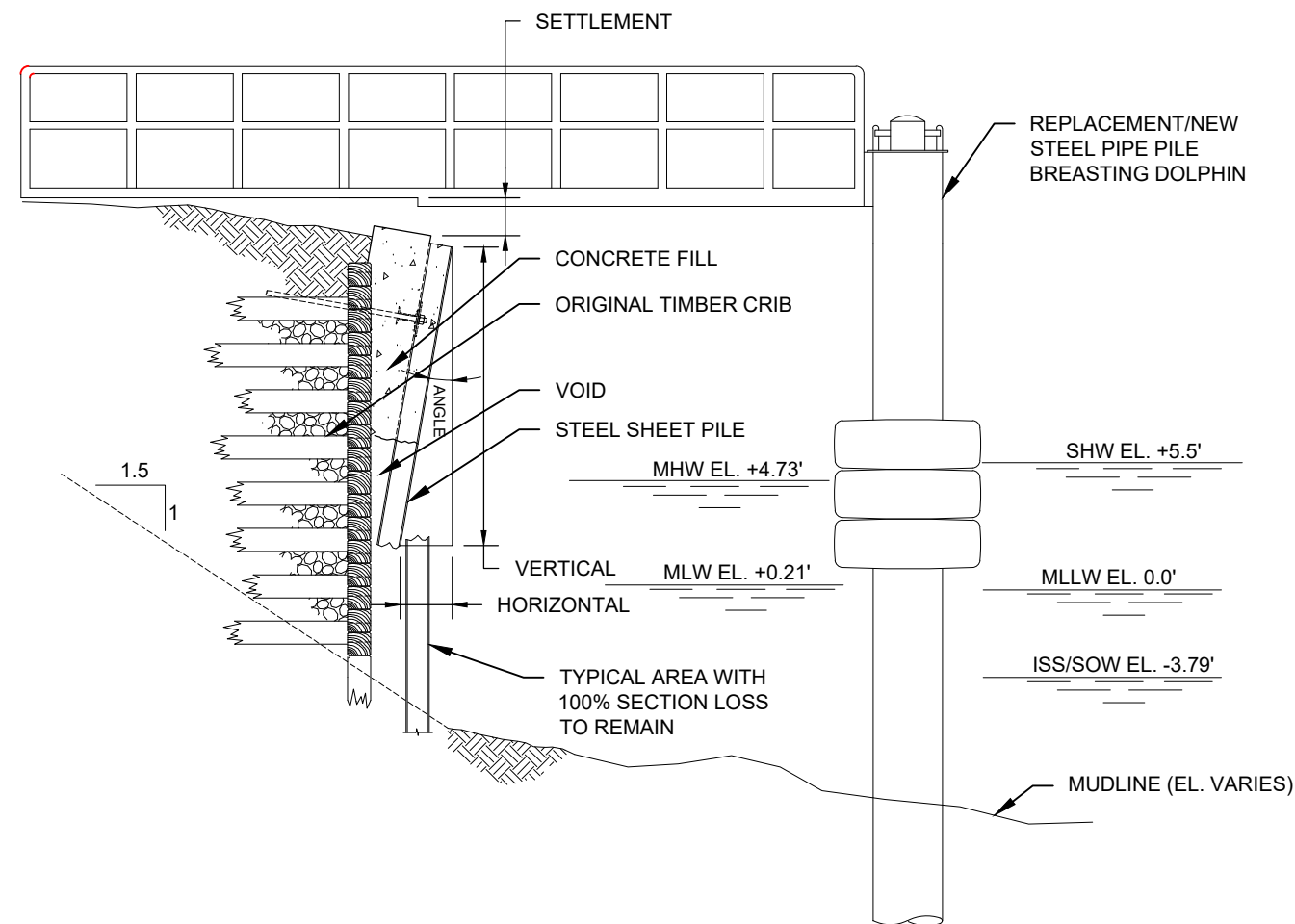
MAY 2017

DATE

SHEET 17 OF 18

TIDAL DATA

| | |
|---------|--------|
| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |



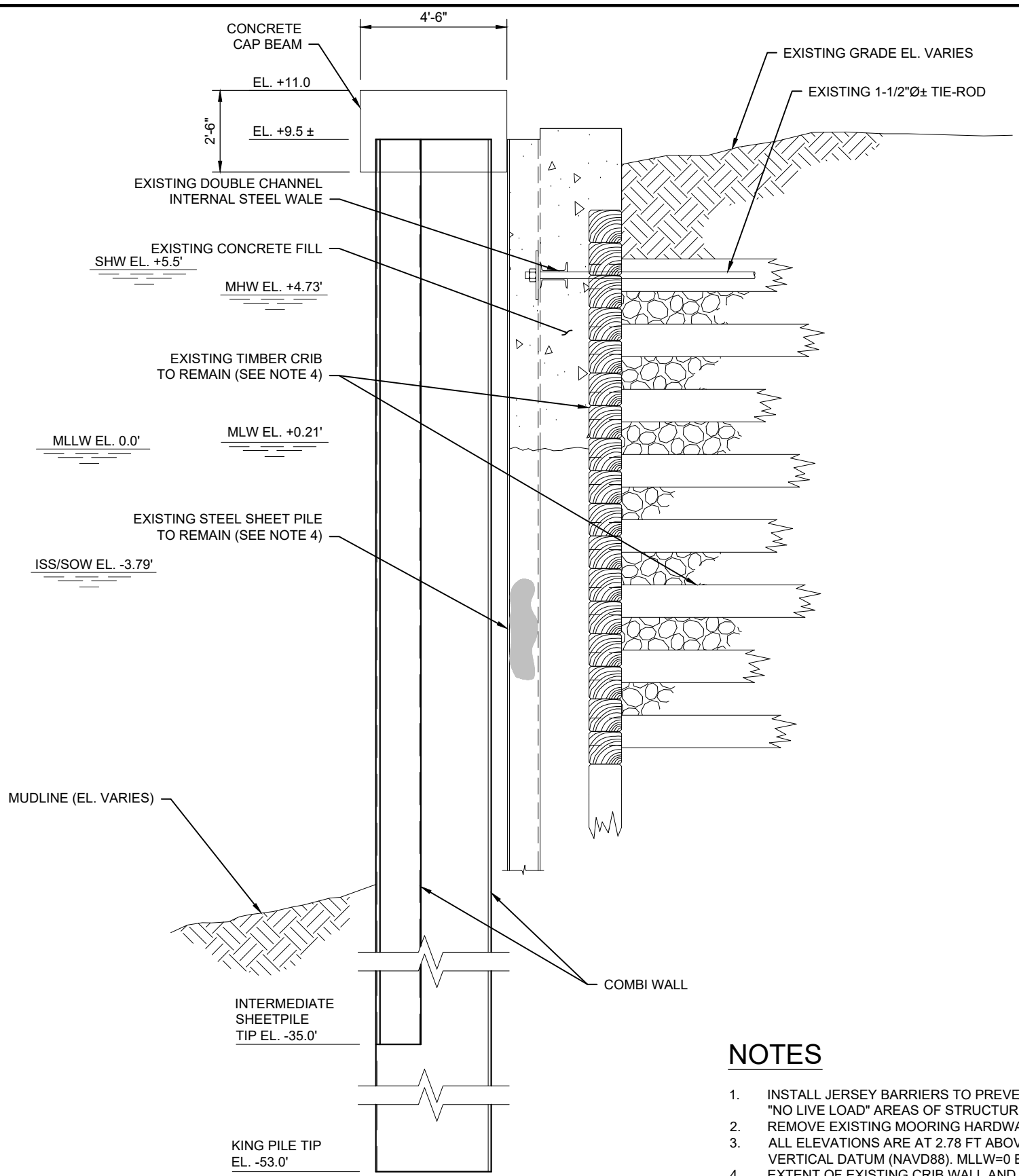
TYPICAL SECTION
1/8" = 1'-0"
16

1/8" = 1'-0" 0 5 10 15 FT.

S:\4\480579 - Greenville\Figure\Permit\Fig 18.dwg Date: 4/6/2017 4:00 PM User: KatnikM

TIDAL DATA

| | |
|---------|--------|
| SHW | +5.5' |
| MHW | +4.73' |
| MLW | +0.21' |
| MLLW | 0.0' |
| ISS/SOW | -3.79' |



NOTES

1. INSTALL JERSEY BARRIERS TO PREVENT VEHICULAR TRAFFIC ON "NO LIVE LOAD" AREAS OF STRUCTURE.
2. REMOVE EXISTING MOORING HARDWARE ON PIER.
3. ALL ELEVATIONS ARE AT 2.78 FT ABOVE NORTH AMERICAN VERTICAL DATUM (NAVD88). MLLW=0 EQUIVALENT OF 2.78' (NAVD88)
4. EXTENT OF EXISTING CRIB WALL AND STEEL SHEET PILING UNKNOWN.

B PROPOSED HARDSTAND SECTION
1/4" = 1'-0"



THE PORT AUTHORITY
OF NY & NJ

ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

PROPOSED HARDSTAND
SECTION

REHABILITATE STRUCTURES
AT GREENVILLE YARD

| VP | MA | BP |
|--------------------|----------|------------|
| Designed by | Drawn by | Checked by |
| 30501 | 01 | |
| BLOCK | LOT | |
| NEW JERSEY | | |
| CITY | | |
| HUDSON | | |
| COUNTY | | |
| WEEKS MARINE, INC. | | |
| APPLICANT | | |
| MAY 2017 | | |
| DATE | | |
| SHEET | 18 | OF 18 |

Attachment 2
Proposed Modification
Development Plans

| ADDITIONAL IMPACTS TO REGULATED AREAS (DUE TO REDESIGN) | | | | | | | | |
|---|----------|-----------------------|-------------------|-------|-------------|-------------|-------------------|-------|
| PROJECT AREA | RESOURCE | PERMANENT FILL VOLUME | PERMANENT IMPACTS | | CREDITS | | TEMPORARY IMPACTS | |
| | | CUBIC YARDS | SQUARE FEET | ACRES | CUBIC YARDS | SQUARE FEET | SQUARE FEET | ACRES |
| EASTERN MARGINAL WHARF | ISS | 1,014 | 3,538 | 0.08 | 0 | 0 | 1,462 | 0.03 |
| | SOW | 387 | 3,308 | 0.08 | 92 | 1,238 | 2,476 | 0.06 |
| SOUTHERN MARGINAL WHARF | ISS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | SOW | 0 | 0 | 0 | 25 | 51 | 0 | 0 |
| TOTAL | ISS | 1,014 | 3,538 | 0.08 | 0 | 0 | 1,462 | 0.03 |
| | SOW | 387 | 3,308 | 0.08 | 117 | 1,288 | 2,476 | 0.06 |

NOTE

THIS TABLE QUANTIFIES NET ISS AND SOW IMPACTS THAT ARE ADDITIONAL TO THOSE PRESENTED IN THE ORIGINAL PERMIT DWGS SUBMISSION.

NOTE

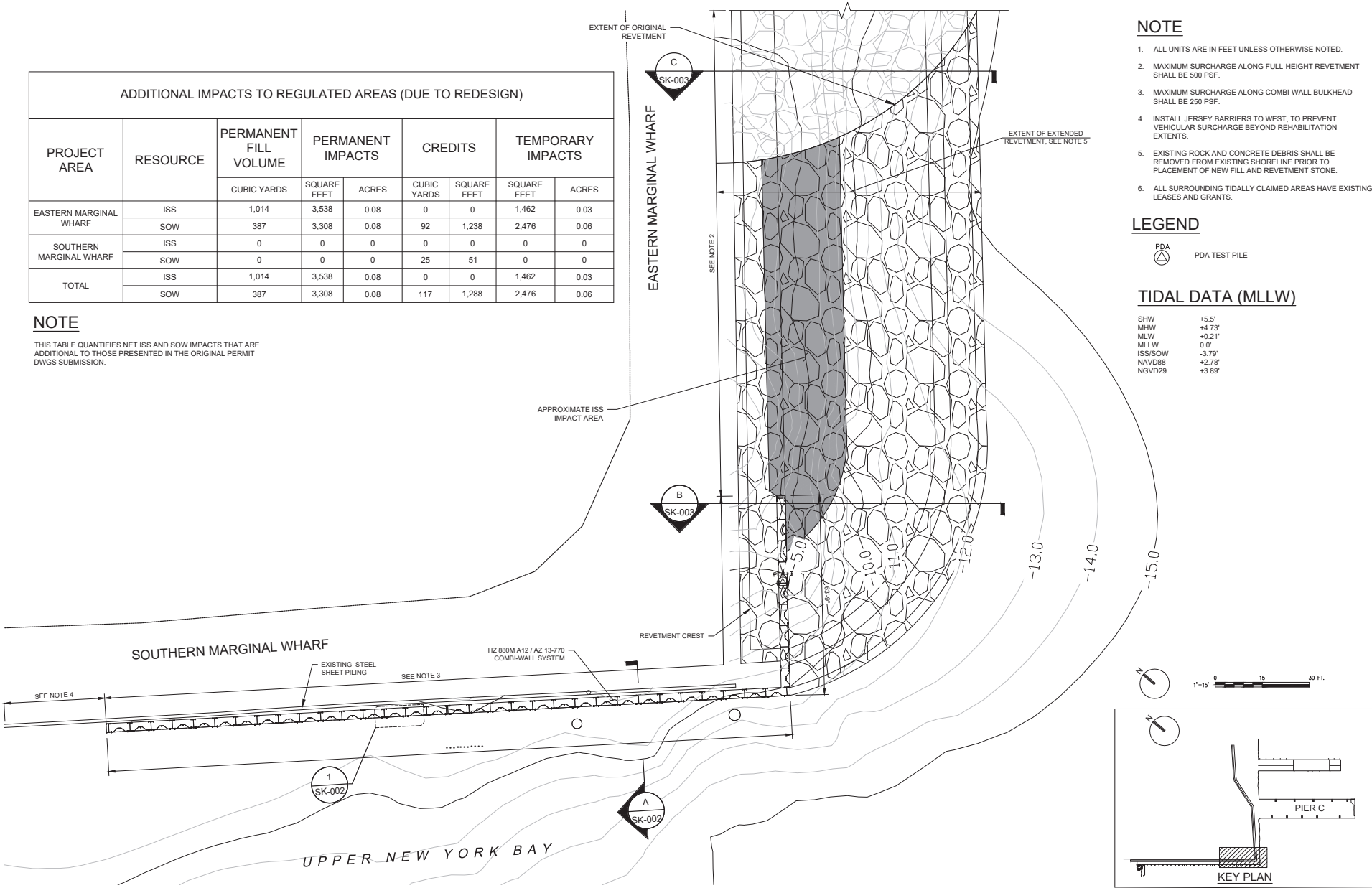
1. ALL UNITS ARE IN FEET UNLESS OTHERWISE NOTED.
2. MAXIMUM SURCHARGE ALONG FULL-HEIGHT REVETMENT SHALL BE 500 PSF.
3. MAXIMUM SURCHARGE ALONG COMBI-WALL BULKHEAD SHALL BE 250 PSF.
4. INSTALL JERSEY BARRIERS TO WEST, TO PREVENT VEHICULAR SURCHARGE BEYOND REHABILITATION EXTENTS.
5. EXISTING ROCK AND CONCRETE DEBRIS SHALL BE REMOVED FROM EXISTING SHORELINE PRIOR TO PLACEMENT OF NEW FILL AND REVETMENT STONE.
6. ALL SURROUNDING TIDALLY CLAIMED AREAS HAVE EXISTING LEASES AND GRANTS.

LEGEND

PDA
PDA TEST PILE

TIDAL DATA (MLLW)

SHW +5.5'
MHW +4.73'
MLW +0.21'
MLLW 0.0'
ISS/SOW -3.79'
NAVD88 +2.78'
NGVD29 +3.89'



PARTIAL PLAN

SCALE 1" = 15'

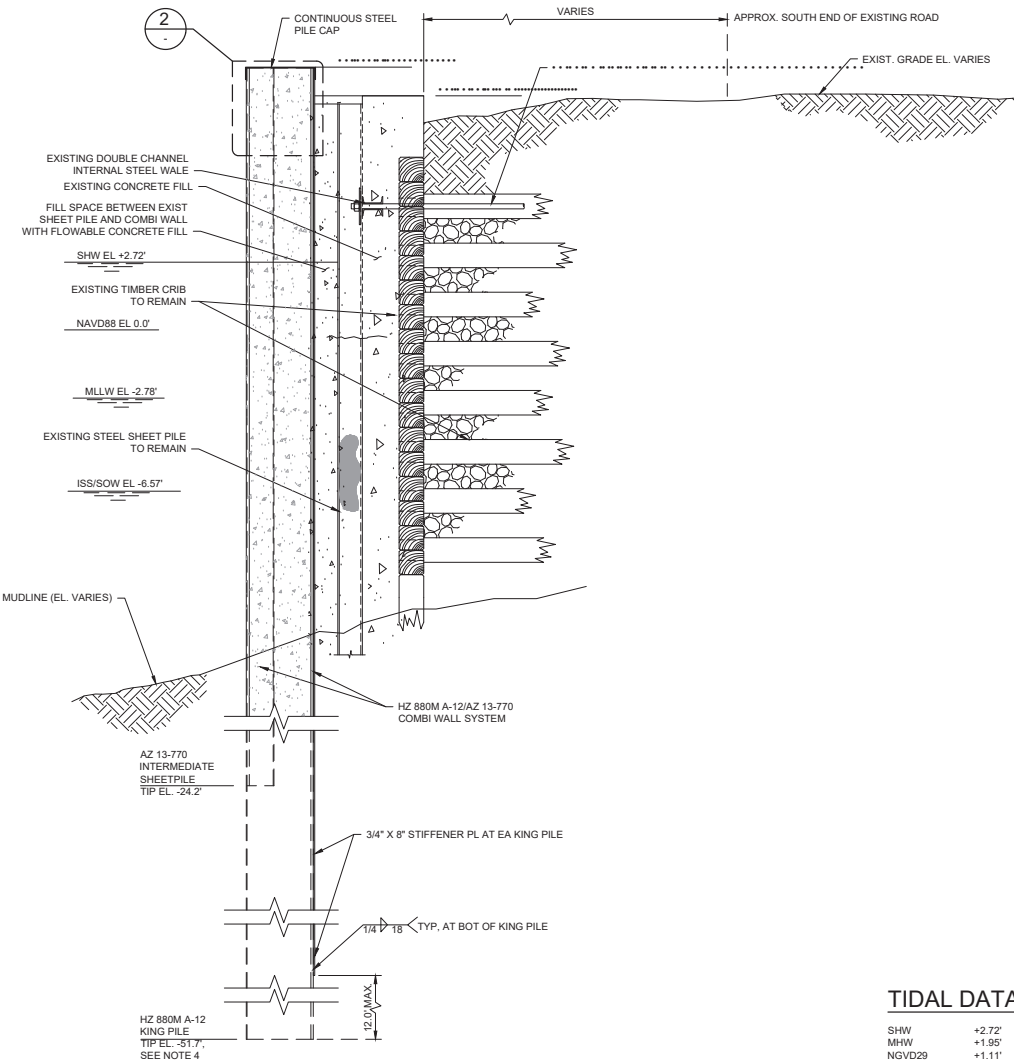


DWG
GVY SK-001-PMT
DATE: NOVEMBER 10, 2020

WEEKS MARINE, INC.
GREENVILLE YARD, JERSEY CITY, NJ
PIER C & ASSOCIATED WATERFRONT STRUCTURES REHABILITATION
SOUTHERN EASTERN MARGINAL WHARF DESIGN MODIFICATION

UPDATED WATER COLUMN IMPACT QUANTITIES

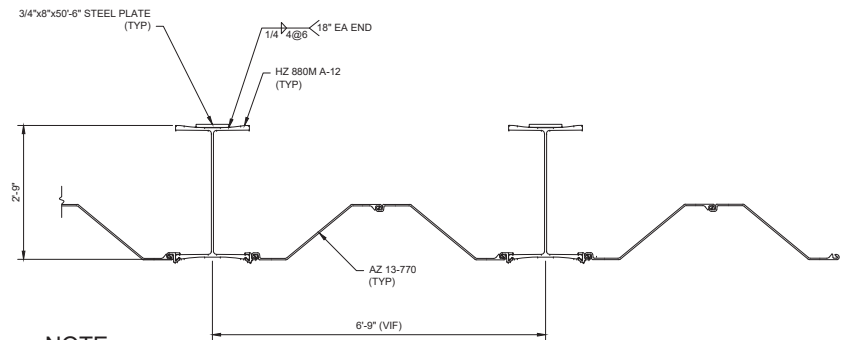
ch2m JACOBS



A SECTION
SK-001 SCALE: 3/8" = 1'-0"

TIDAL DATA (NAVD88)

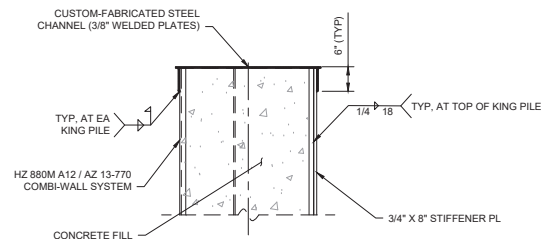
| | |
|---------|--------|
| SHW | +2.72' |
| MHW | +1.95' |
| NGVD29 | +1.11' |
| NAVD88 | 0.0' |
| MLW | -2.57' |
| MLLW | -2.78' |
| ISS/SOW | -6.57' |



NOTE

PILE CAP NOT SHOWN FOR CLARITY

1 DETAIL
SK-001 SCALE: 3/4" = 1'-0"

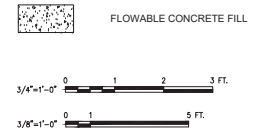


2 DETAIL
SK-001 SCALE: 3/4" = 1'-0"

NOTES

- ALL ELEVATIONS ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM (NAVD88).
- REMOVE EXISTING MOORING HARDWARE ON WHARF, IF ANY.
- EXISTING GANGWAYS NOT SHOWN FOR CLARITY, REMOVE AND RE-INSTALL AS REQUIRED FOR COMBI-WALL INSTALLATION.
- KING PILE TIP ELEVATION IS BASED ON LENGTH OF EXISTING (PROCURED) MATERIAL. MIN REQUIRED TIP ELEVATION IS EL. -46.0'.
- HZM WALL SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF ASTM A572, GRADE 50. SEE TAA DWG G-004 FOR COATING AND OTHER REQUIREMENTS.
- STEEL PLATES SHALL BE MIN ASTM A36, AND GALV PER ASTM A123. WELDED JOINTS SHALL BE TOUCHED UP PER ASTM A780.
- WELDING SHALL BE PER AWS D1.1, USING E70XX ELECTRODES.

LEGEND



DWG
GVY SK-002-PMT
DATE: NOVEMBER 10, 2020

WEEKS MARINE, INC.
GREENVILLE YARD, JERSEY CITY, NJ
PIER C & ASSOCIATED WATERFRONT STRUCTURES REHABILITATION
SOUTHERN EASTERN MARGINAL WHARF DESIGN MODIFICATION
UPDATED WATER COLUMN IMPACT QUANTITIES

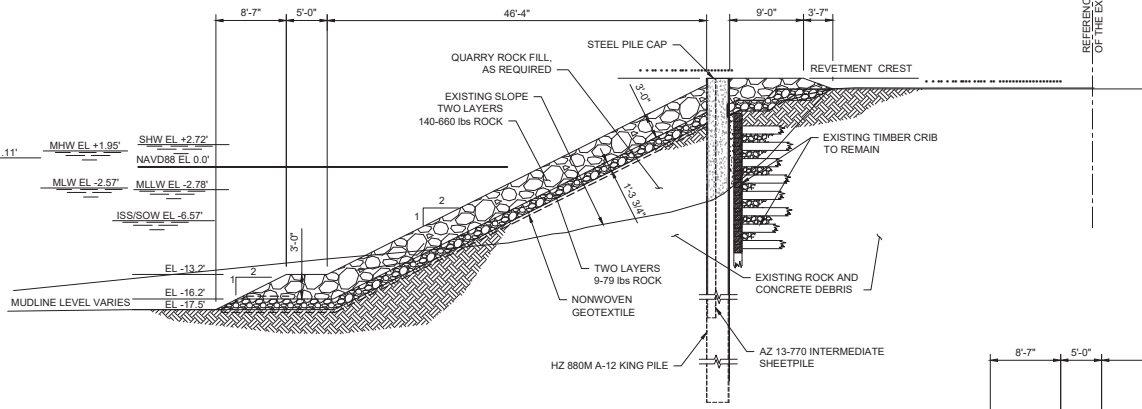
ch2m JACOBS



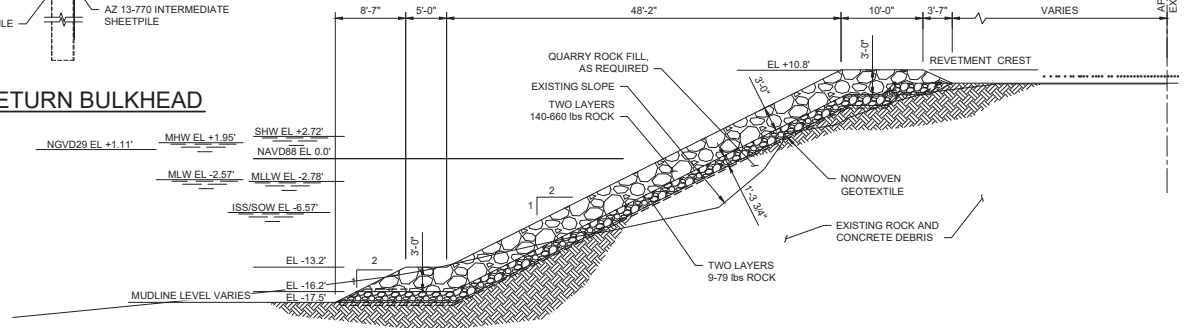
DWG
GVY SK-003-PMT
DATE: NOVEMBER 10, 2020

WEEKS MARINE, INC.
GREENVILLE YARD, JERSEY CITY, NJ
PIER C & ASSOCIATED WATERFRONT STRUCTURES REHABILITATION
SOUTHERN EASTERN MARSHAL WHARF DESIGN MODIFICATION
UPDATED WATER COLUMN IMPACT QUANTITIES

ch2m JACOBS



B SECTION THRU REVETMENT ALONG RETURN BULKHEAD
SCALE: 1/8" = 1'-0"



C SECTION THRU REVETMENT NORTH OF BULKHEAD
SCALE: 1/8" = 1'-0"

TIDAL DATA (NAVD88)

| | |
|---------|--------|
| SHW | +2.72' |
| MHW | +1.95' |
| NGVD29 | +1.11' |
| NAVD88 | 0.0' |
| MLW | -2.57' |
| MLLW | -2.78' |
| ISS/SOW | -6.57' |

NOTES

- ALL ELEVATIONS ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM (NAVD88).
- ALL ROCKS AND DEBRIS IN THE LOW SPOTS SHALL NOT BE REMOVED TO MAKE SURE THERE IS NO REMOVAL OF SEDIMENTS.
- REVETMENT COMPONENTS SHALL BE IN ACCORDANCE WITH SPECIFICATIONS 313220 AND 353119.



Attachment 3
Work to Date

S:\JACOBS-Project\EBXE4800-Greenville\Contract\TAA_4TH_Submission\08-Structural\EBXE4800-S-004-02.dwg Date: 6/19/2021 11:05 AM User: Semerew

NOTES

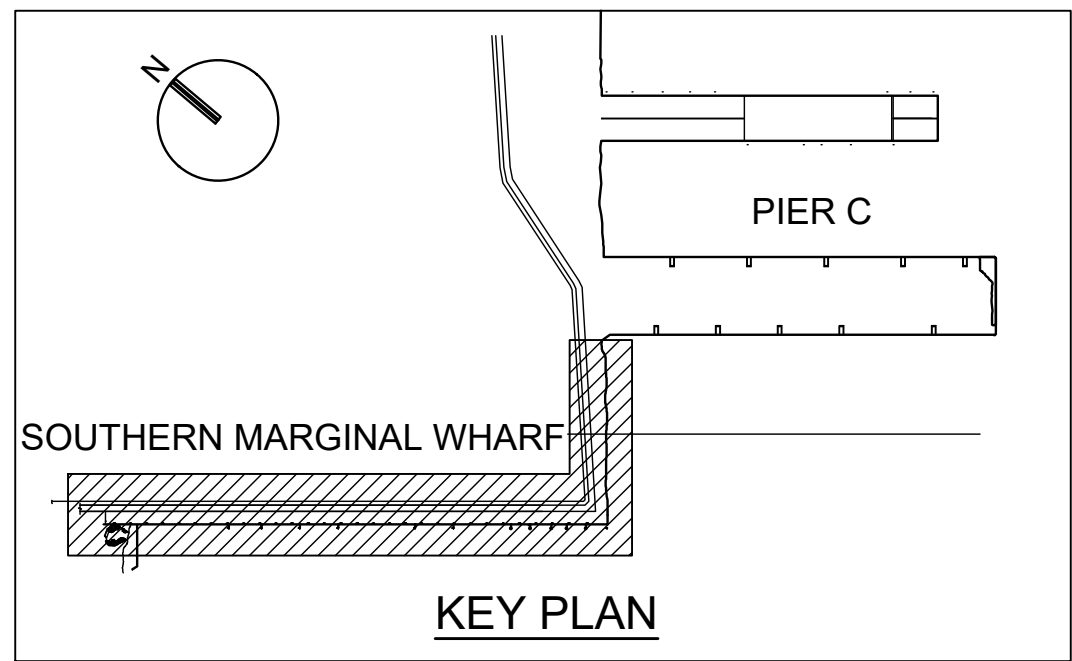
- ALL UNITS ARE IN FEET UNLESS OTHERWISE NOTED.
- TOPOGRAPHIC VERTICAL ELEVATIONS ARE RELATIVE TO NAVD 88.
- ALIGN OUTBOARD FACE OF EXISTING MONOPILES TO REMAIN WITH OUTBOARD FACE OF NEW MONOPILES.
- ALIGN ALL NEW FENDER FACES FOR CONTINUOUS MOORING.
- NEW GANGWAY BY OTHERS, GANGWAY LENGTHS VARY FROM 8'-6"± TO 12'-0"±.
- REMOVE AND RE-INSTALL DOLPHIN GANGWAYS AS REQUIRED, WHERE REPLACEMENT GANGWAY WILL NOT BE FURNISHED.
- INSHORE SURVEY DATA TAKEN FROM EXISTING CONDITIONS SURVEY BY DPIC CONSULTING ON 01/10/19.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING S-010.



Digitally
signed by
Bill Paparis
Date:
2021.04.27
13:16:29
-04'00'

LEGEND

- 1 EXIST. DOLPHIN TO REMAIN
- 2 36"Ø STEEL PIPE PILE MOORING/BREASTING DOLPHIN TO REPLACE EXIST. DOLPHIN
- 3 NEW 36"Ø STEEL PIPE PILE MOORING/BREASTING DOLPHIN TO BE INSTALLED.
- PDA PDA TEST PILE

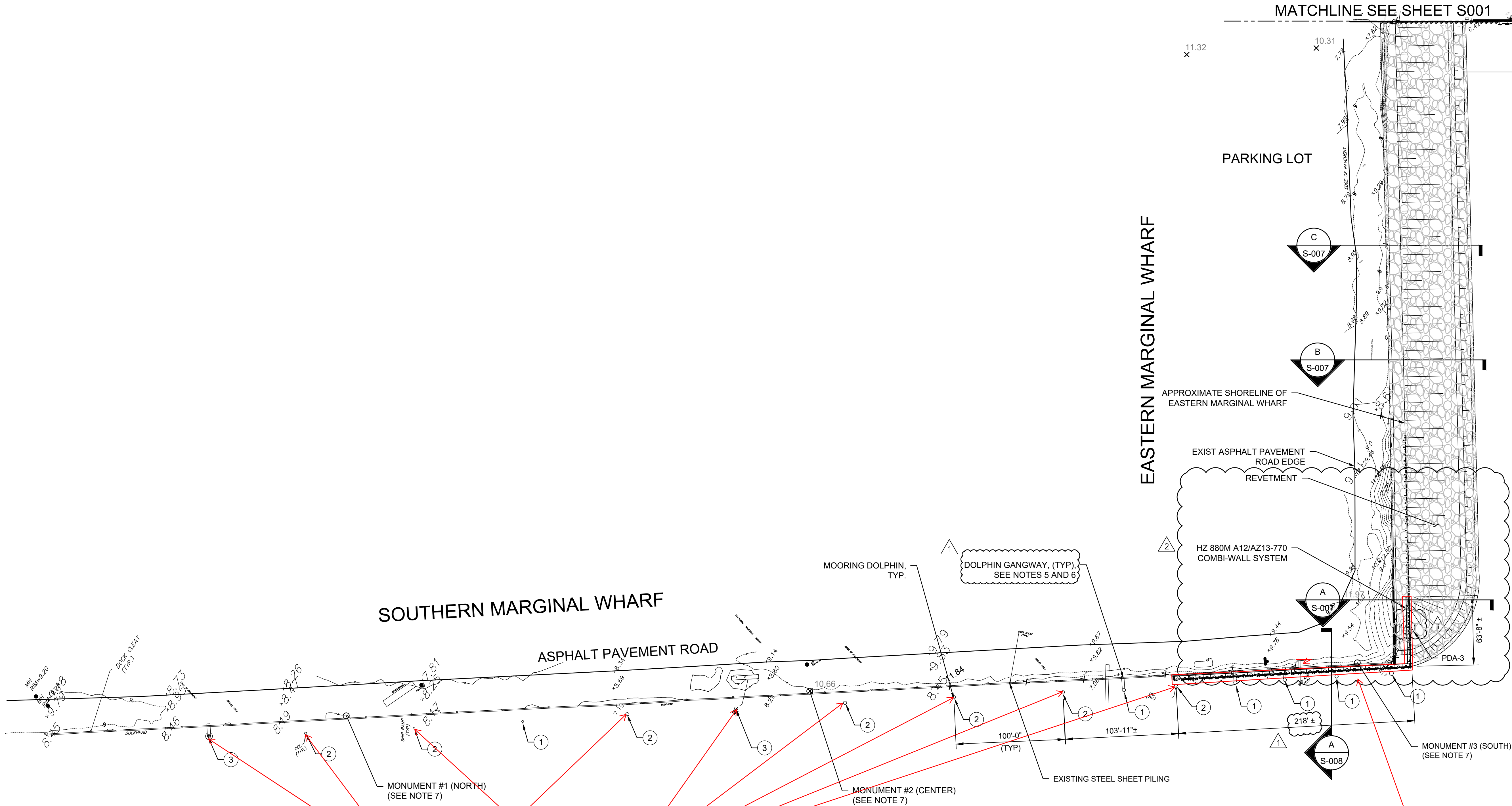


PLAN

1" = 50'

Monopile Work
Completed

Combi-Wall Installed



MATCHLINE SEE SHEET S001

PARKING LOT

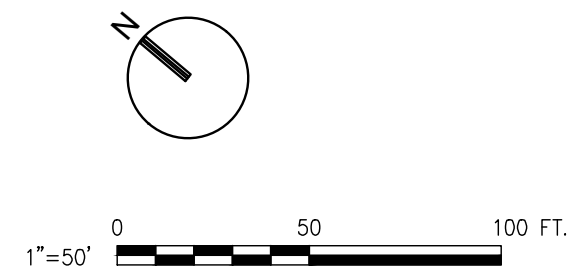
EASTERN MARGINAL WHARF

APPROXIMATE SHORELINE OF
EASTERN MARGINAL WHARF

EXIST ASPHALT PAVEMENT
ROAD EDGE
REVETMENT

HZ 880M A12/AZ13-770
COMBI-WALL SYSTEM

MONUMENT #3 (SOUTH)
(SEE NOTE 7)



TAA 4TH SUBMISSION
PJ-005-00-004
MARCH 2021



WEEKS MARINE, INC.
GREENVILLE YARD
PIER C & ASSOCIATED WATERFRONT
STRUCTURES REHABILITATION
JERSEY CITY, NJ
TENANT ALTERATION APPLICATION
PJ-005-00-002

ch2m./JACOBS

STRUCTURAL

SOUTHERN MARGINAL WHARF - PLAN

| | |
|---|--------------|
| 1"=50' | |
| VERIFY SCALE | |
| BAR IS ONE INCH ON ORIGINAL DRAWING, 1" | |
| DATE | 07/08/2019 |
| PROJ | EBXE4800 |
| DWG | S-004 |
| SHEET | 1 (18 of 26) |

TAA SUBMISSION

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