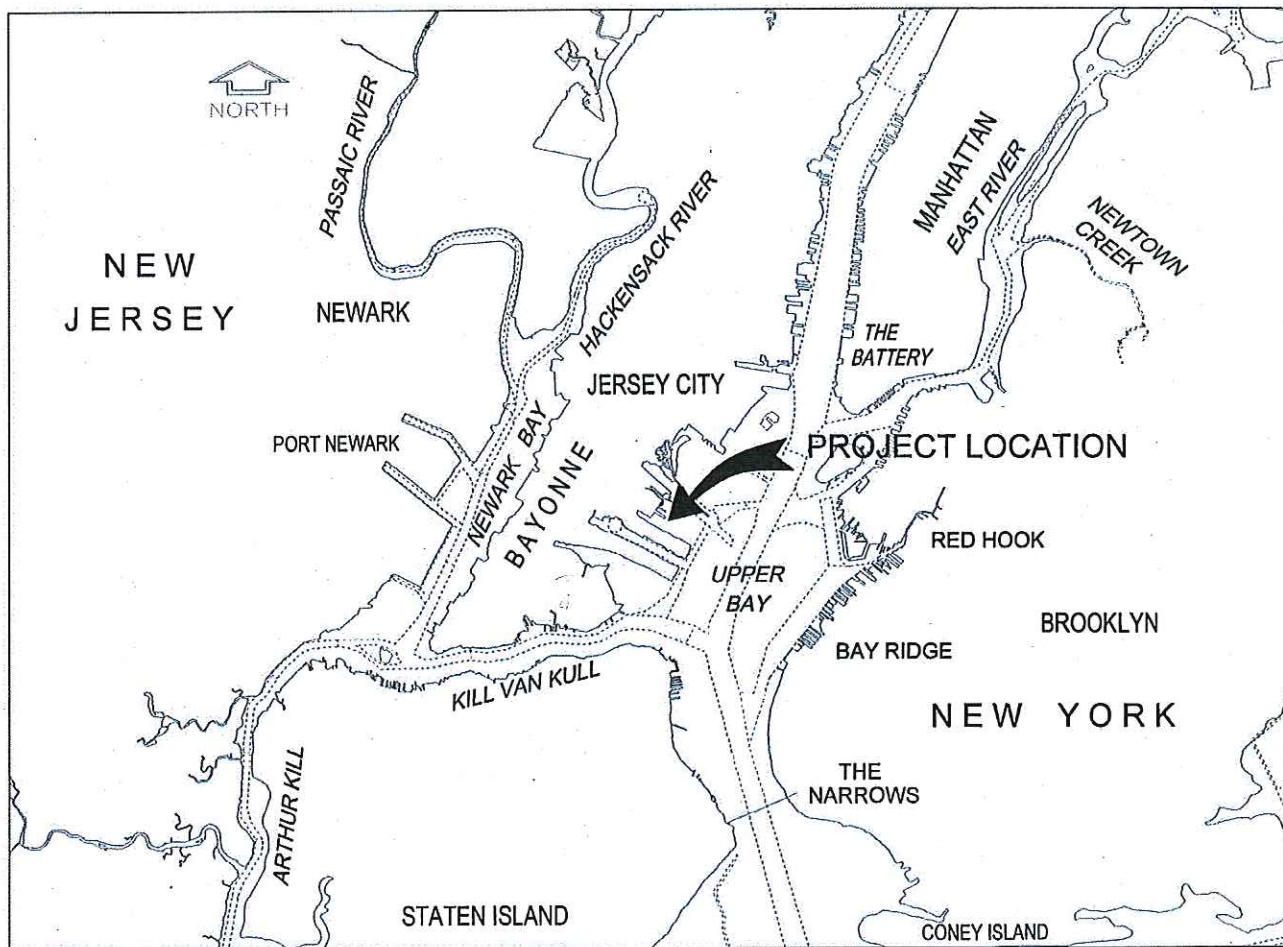
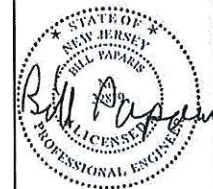


S:\4\480579 - Greenville\Figure\Permit\Fig 1.dwg Date: 5/9/2017 3:47 PM User: HS037482



VICINITY MAP

THE PORT AUTHORITY
OF NY & NJ



ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

VICINITY MAP

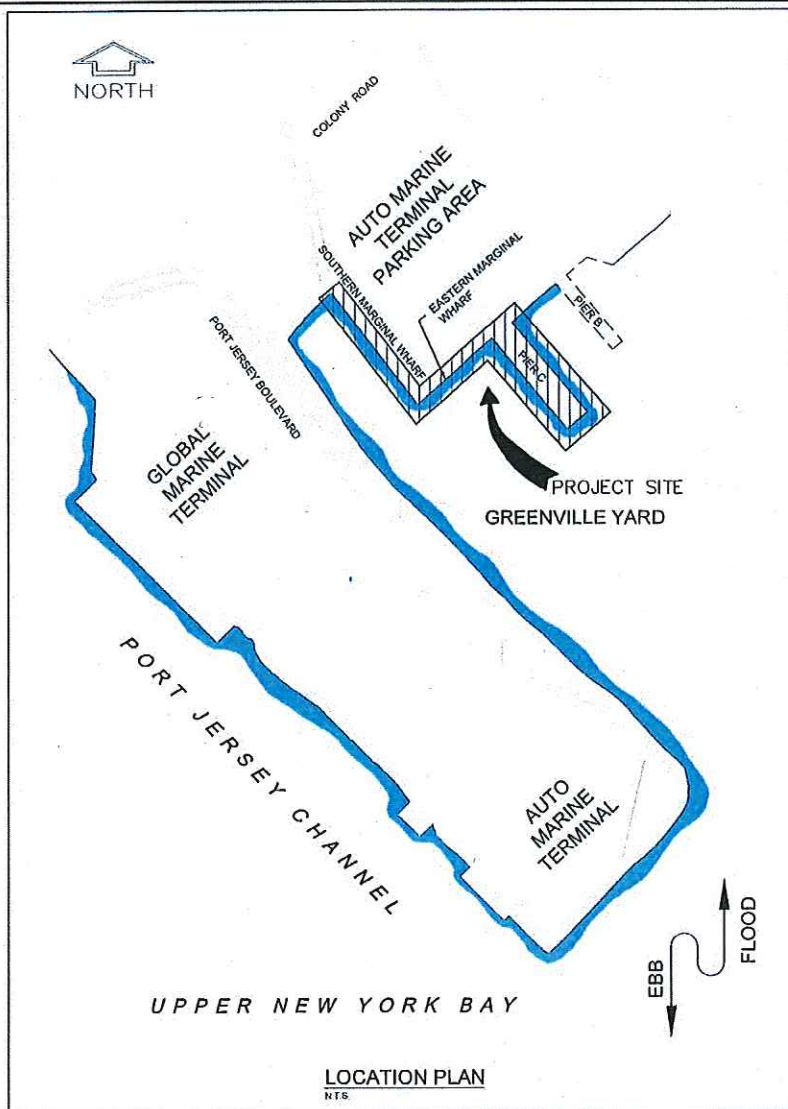
REHABILITATE STRUCTURES
AT GREENVILLE YARD

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 1	OF 18	

TIDAL DATA

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

S:\4\480579 - Greenville\Figure\Permit\Fig 2.dwg Date: 5/10/2017 1:51 PM User: HS037482



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

LOCATION PLAN

REHABILITATE STRUCTURES
AT GREENVILLE YARD

VP MA GP
Designed by Drawn by Checked by

30501 01
BLOCK LOT

NEW JERSEY

CITY HUDSON

COUNTY

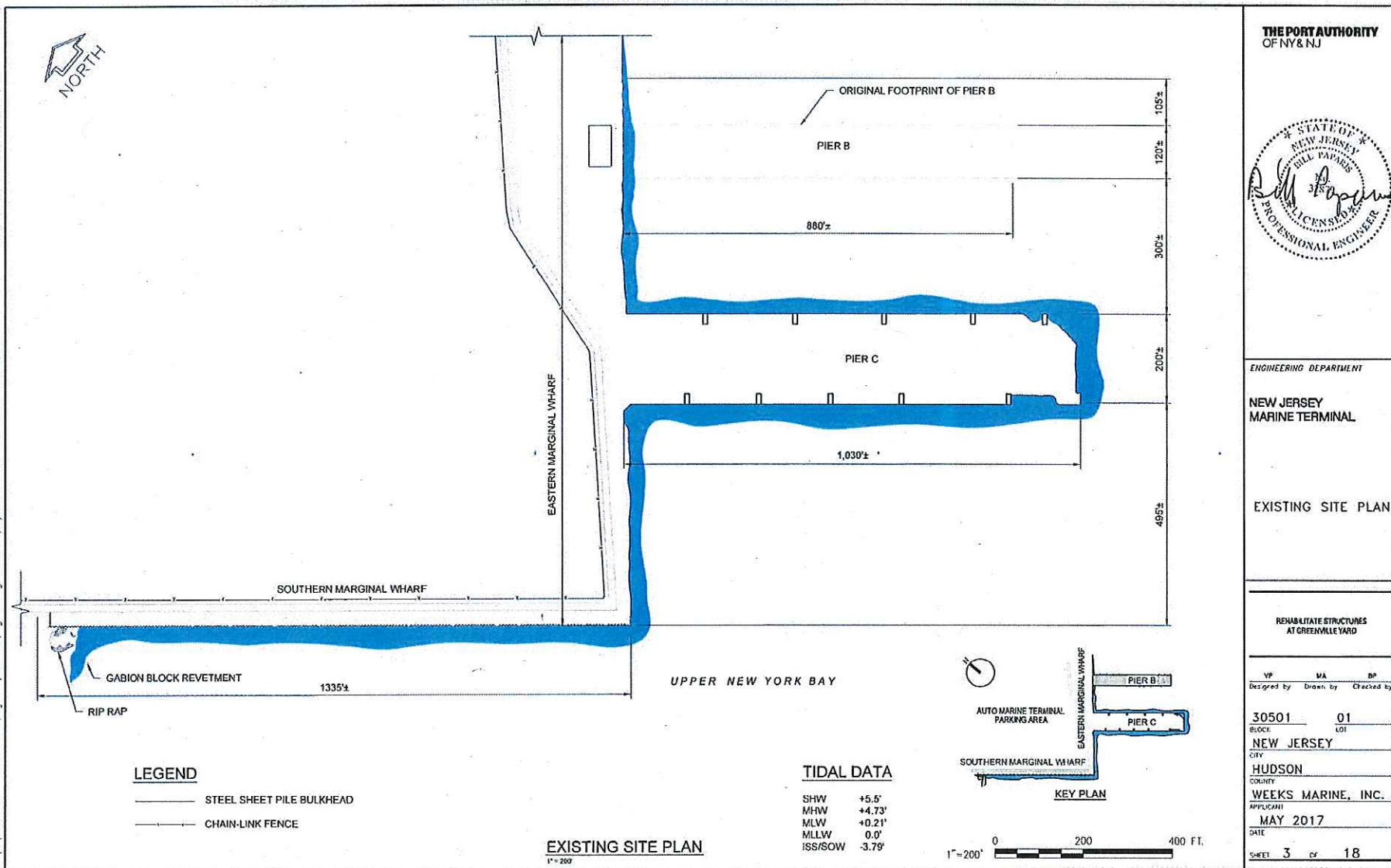
WEEKS MARINE, INC.

APPROVAL MAY 2017

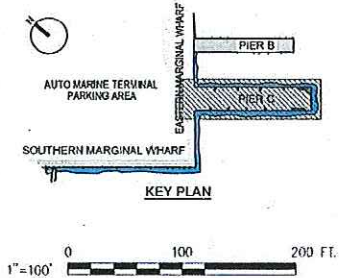
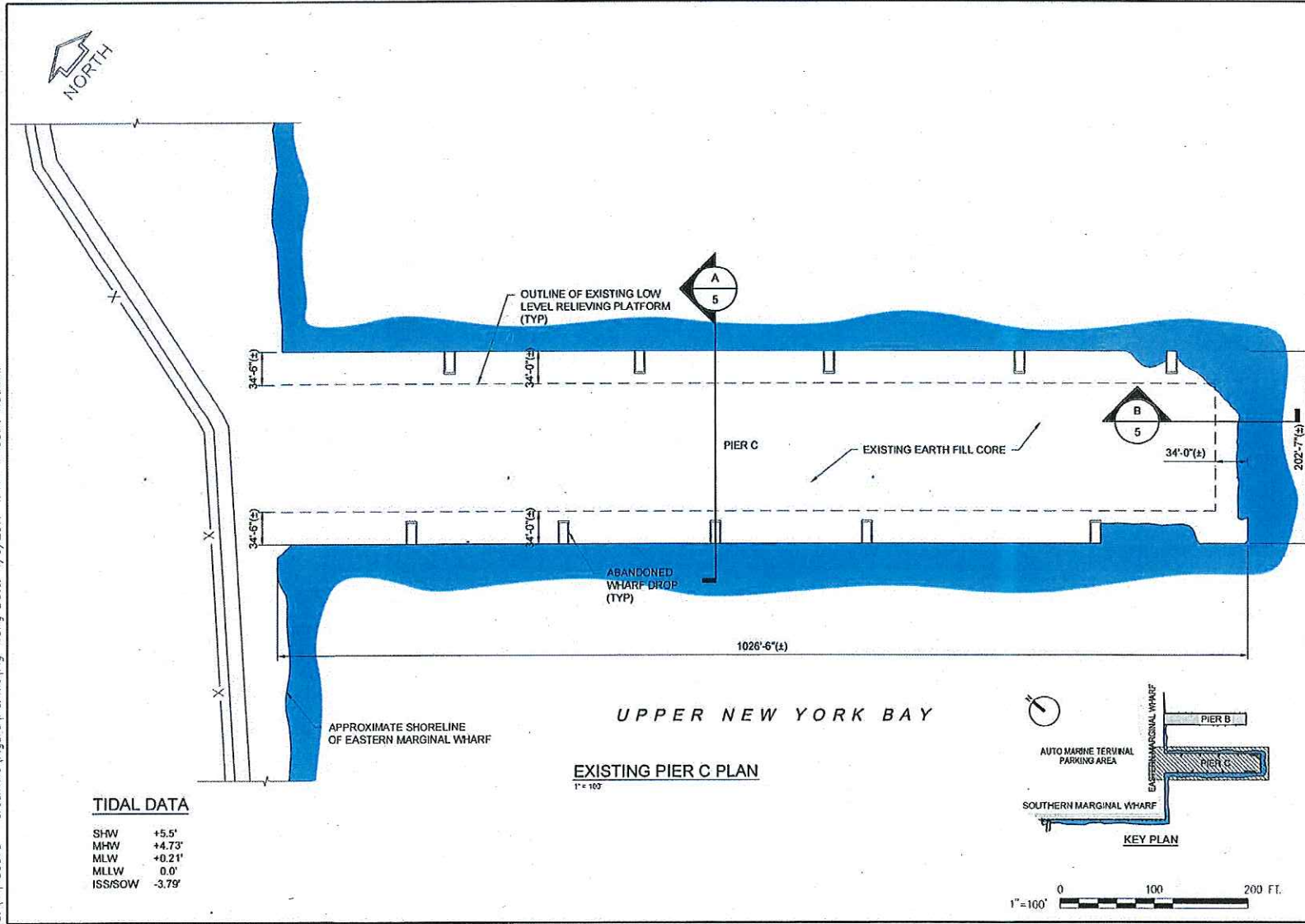
DATE

SHEET 2 OF 18

S:\4\480579 - Greenville\Figure\Permit\Fig 3.dwg Date: 4/6/2017 4:47 PM User: HS037482



S:\1480579 - Greenville\Figure\Permit\Fig 4.dwg Date: 4/6/2017 4:47 PM User: KatoNEM



THE PORT AUTHORITY OF NY & NJ

STATE OF NEW JERSEY
Bill Papas
LICENSED PROFESSIONAL ENGINEER

ENGINEERING DEPARTMENT

NEW JERSEY MARINE TERMINAL

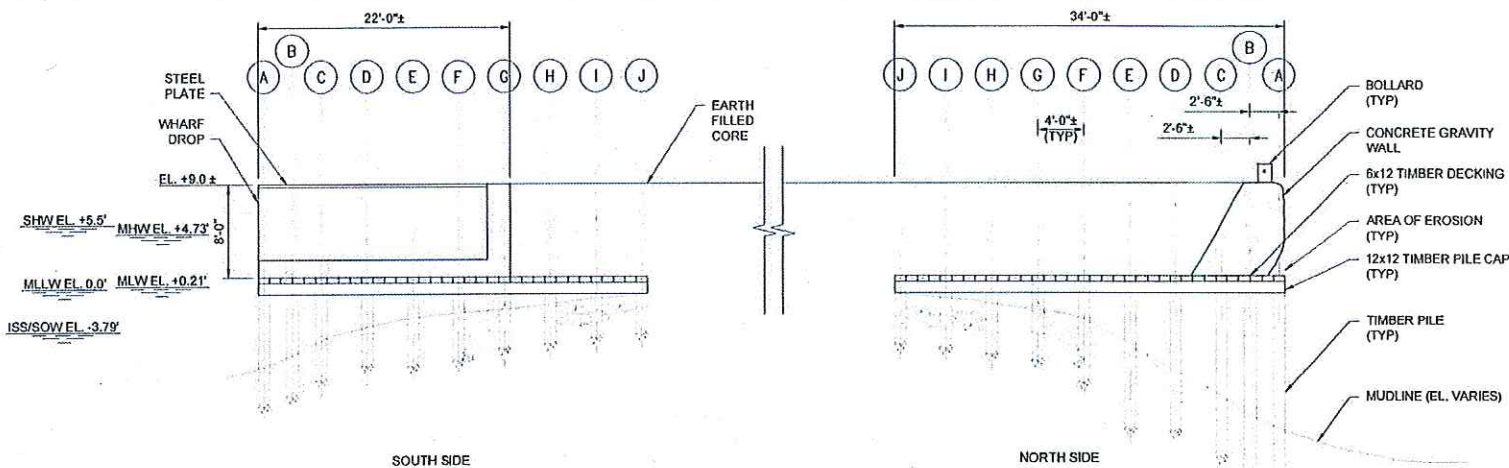
EXISTING PIER C PLAN

REHABILITATE STRUCTURES AT GREENVILLE YARD

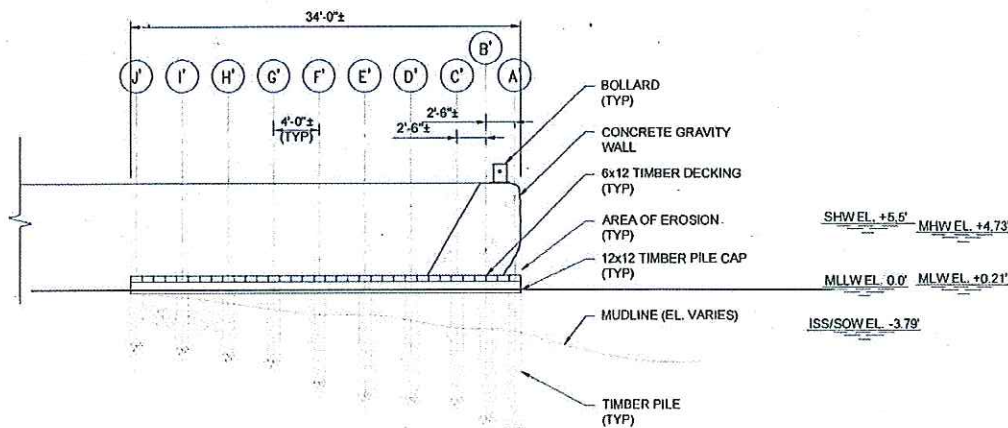
VP	MA	BP
Designed by	Drawn by	Checked by

30501 01
R/O/C/F 101
NEW JERSEY
CITY
HUDSON
COUNTY
APPLICANT
WEEKS MARINE, INC.
DATE
MAY 2017
SHEET 4 OF 18

S:\1480579 - Greenville\Figure\Permit\Fig 5.dwg Date: 4/6/2017 4:48 PM User: Kainell



A EXISTING PIER C TYPICAL SECTION
1" = 10'



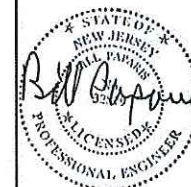
B EXISTING PIER C TYPICAL SECTION
1" = 10'

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

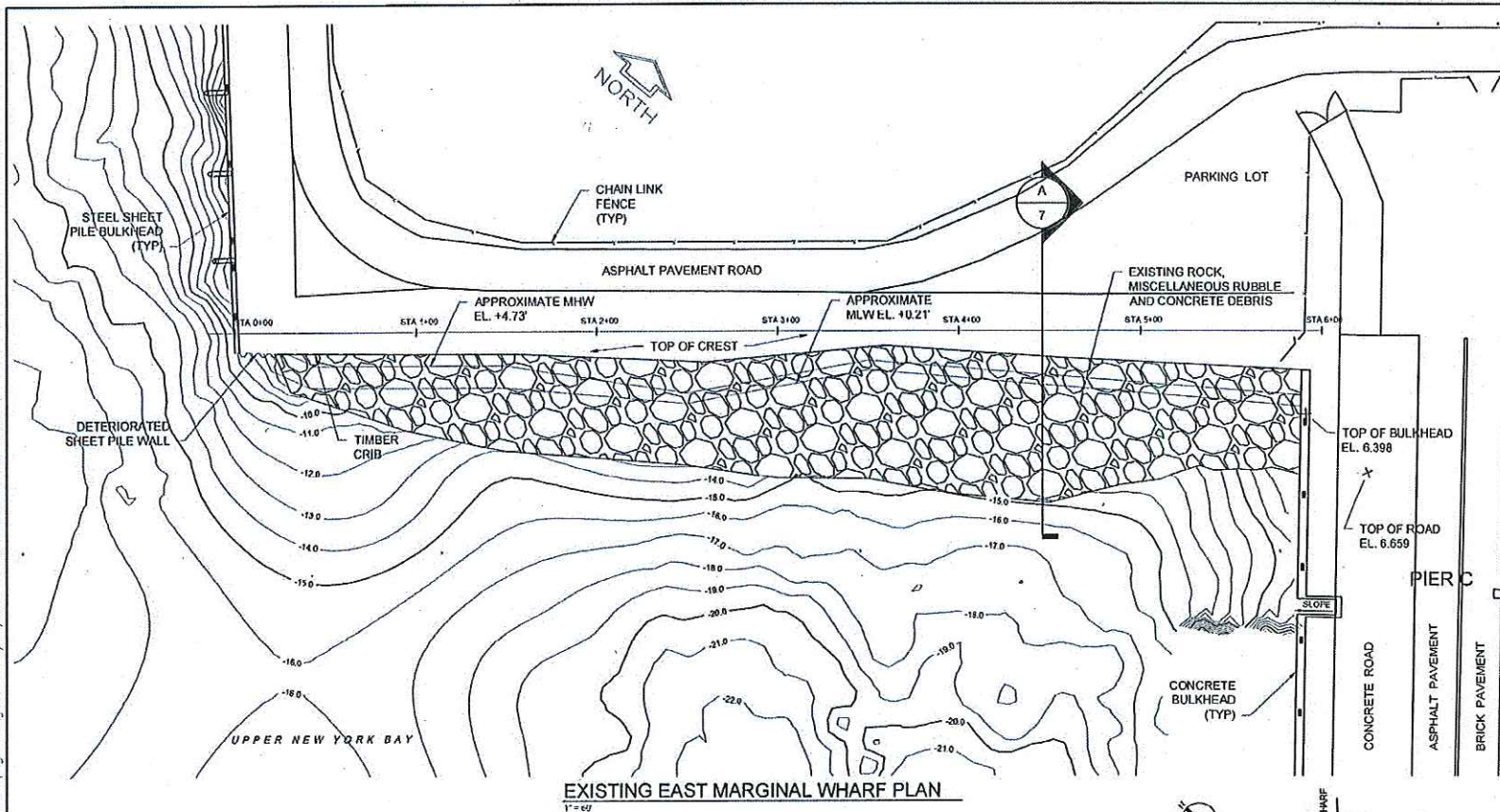
NEW JERSEY
MARINE TERMINAL

EXISTING PIER C
TYPICAL 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	5	OF 18

S:\4\480579 - Greenville\Figure\Permit\Fig 6.dwg Date: 3/31/2017 2:22 PM User: Morlinezma

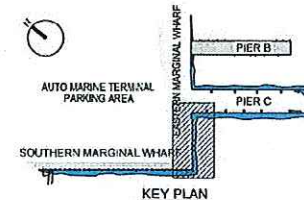


NOTES

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.

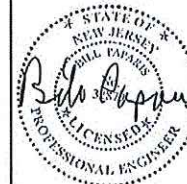
TIDAL DATA

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



1"=60' 0 60 120 FT.

THE PORT AUTHORITY
OF NY & NJ



ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

EXISTING EASTERN
MARGINAL WHARF PLAN

REHABILITATE STRUCTURES
AT GREENVILLE YARD

VP	MA	BP
Designed by	Drawn by	Checked by
30501	01	
BLOCK	1.01	
NEW JERSEY		
CITY		
HUDSON		
COUNTY		
WEEKS MARINE, INC.		
APPLICANT		
MAY 2017		
DATE		
SHEET	6	of 18

A circular professional engineer seal for the State of New Jersey. The outer ring contains the text "STATE OF NEW JERSEY" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by stars. The inner circle contains the name "BILL BARNES" at the top, "No. 24879" in the center, and "LICENSED" at the bottom. A handwritten signature, "Bill Barnes", is written across the seal.

NEW JERSEY
MARINE TERMINAL

EXISTING EASTERN
MARGINAL WHARF SECTION

REHABILITATE STRUCTURES
AT GREENMILE YARD

VP	MA	BP
Designed by	Drawn by	Checked by

30501 01

NEW JERSEY

HUDSON

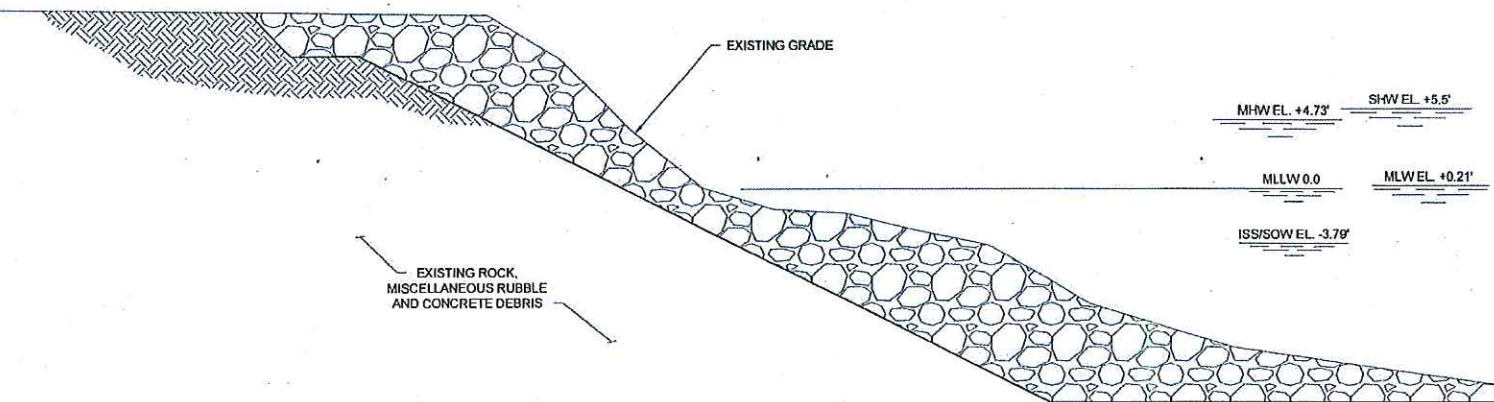
WEEKS MARINE, INC.

MAY 2017

DATE

SHEET 7 of 18

1



EXISTING ROCK,
MISCELLANEOUS RUBBLE
AND CONCRETE DEBRIS

-- EXISTING GRADE

MHW EL. +4.73'

SHW EL. +5.5'

MLLW 0.0

MLWEL +0.21'

ISS/SOW EL. -3.79'

TIDAL DATA

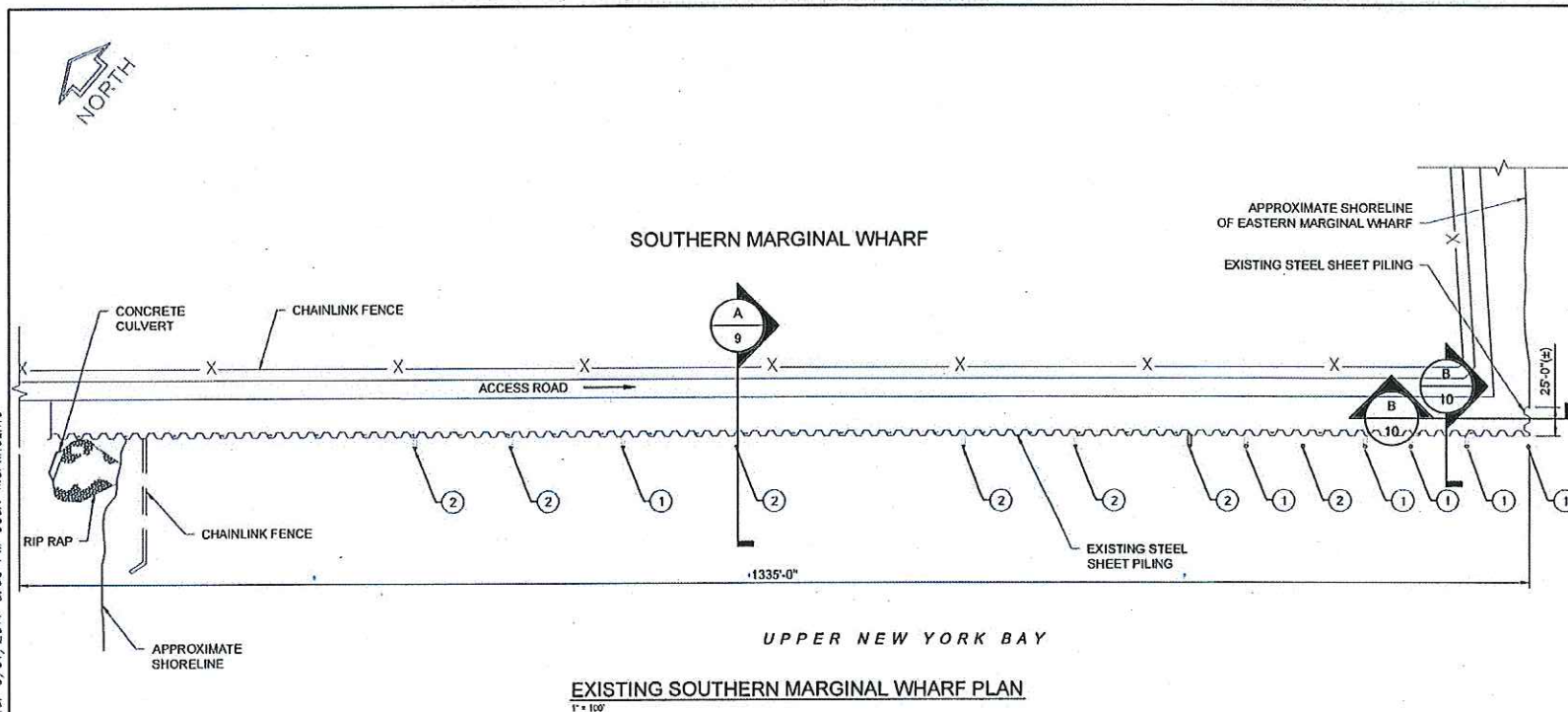
SHW	+5.6'
MHW	+4.73'
MLW	+0.21'
MLLW	0.0'
ISS/SOW	-3.79'

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

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

S:\4\480579 -- Greenville\Figure\Permit\Fig 7.dwg Date: 3/31/2017 1:42 PM User: Martinezma

S:\4\480579 - Greenville\Figure\Permit\Fig 8.dwg Date: 3/31/2017 3:05 PM User: Martinezma



EXISTING SOUTHERN MARGINAL WHARF PLAN
1" = 100'

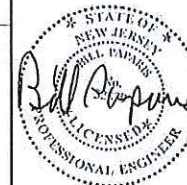
LEGEND

- ① EXISTING DOLPHIN
- ② EXISTING/ MISSING DOLPHIN TO BE REMOVED AND REPLACED WITH 36"Ø STEEL PIPE PILE MOORING DOLPHIN WITH "W" TYPE FENDER
- ③ EXISTING DOLPHIN WITH CATWALK

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

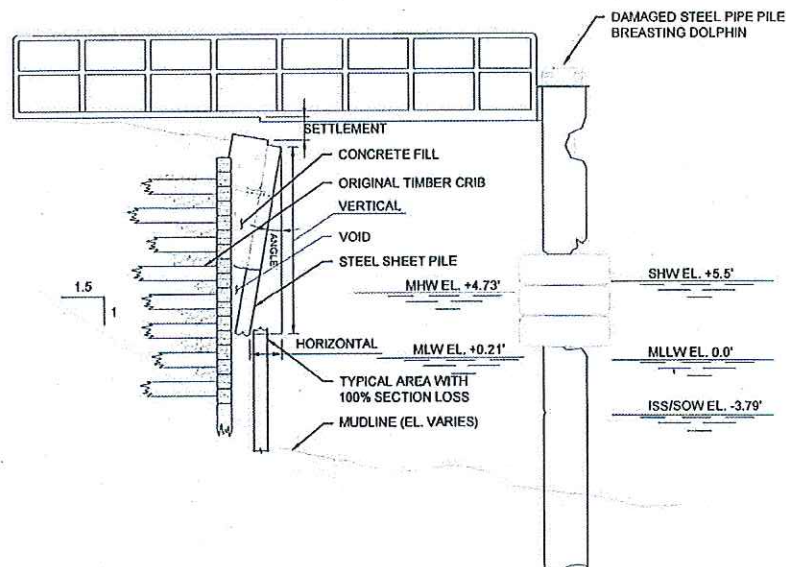
NEW JERSEY
MARINE TERMINAL

EXISTING SOUTHERN
MARGINAL WHARF PLAN

REHABILITATE STRUCTURES
AT GREENVILLE YARD

VP	WA	BP
Designed by	Drawn by	Checked by
30501	01	
BLOCK	101	
NEW JERSEY		
CITY		
HUDSON		
COUNTY		
WEEKS MARINE, INC.		
APPLICANT		
MAY 2017		
DATE		
SHEET 8 of 18		

S:\4\480579 - Greenville\Figure\Permit\Fig 9.dwg Date: 4/6/2017 3:42 PM User: Kaim2M



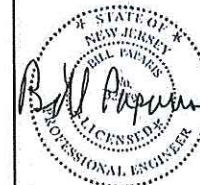
A TYPICAL SECTION
1/8" = 1'-0"

TIDAL DATA

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

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

THE PORT AUTHORITY
OF NY & NJ



ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

EXISTING 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 9	OF 18	

A circular professional engineer seal for the State of New Jersey. The outer ring contains the text "STATE OF NEW JERSEY" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by small stars. Inside the ring, the name "BILL RAFANELLI" is printed above the license number "No. 36-000000000". A handwritten signature, "Bill Rafanelli", is written across the center of the seal.

NEW JERSEY
MARINE TERMINAL

EXISTING HARDSTAND
SECTION

REHABILITATE STRUCTURES AT GREENMILE YARD

YP	MA	UP
Designed by	Drawn by	Checked by

30501	01
BLOCK	LOT

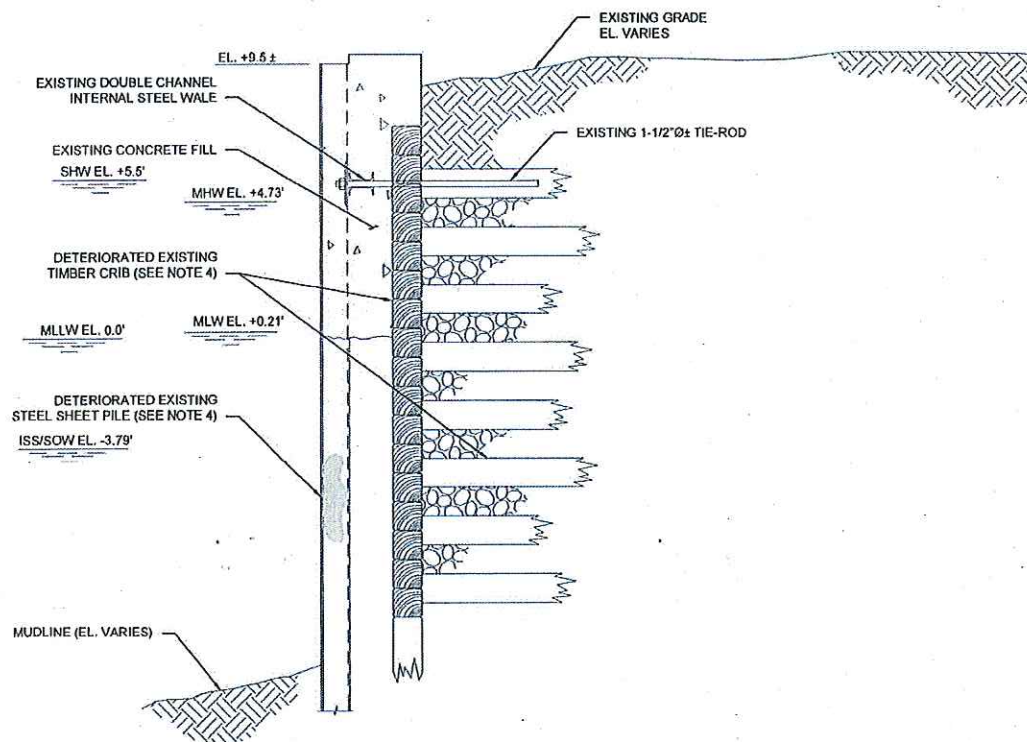
NEW JERSEY
CITY

HUDSON
COUNTY

WEEKS MARINE, INC.

DATE MAY 2017

DATE 10 of 18



EXISTING HARDSTAND SECTION

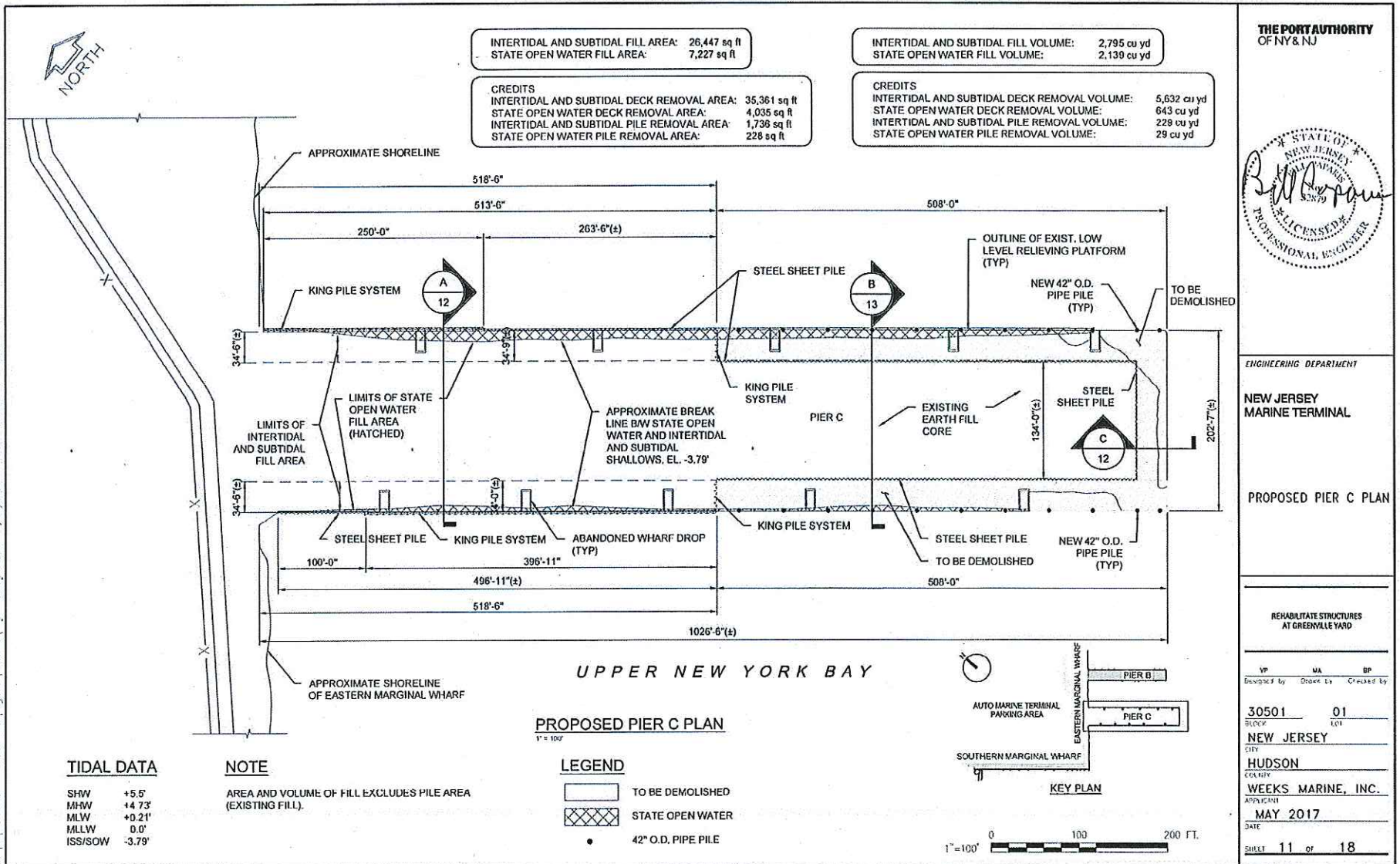
1. INSTALL JERSEY BARRIERS TO PREVENT VEHICULAR TRAFFIC ON "NO LIVE LOAD" AREAS OF STRUCTURE.
2. REMOVE EXISTING MOORING HARDWARE ON PIER.
3. ALL ELEVATIONS ARE AT 2.78 FT ABOVE NORTH AMERICAN VERTICAL DATUM (NAVD88). MLLW=0 EQUIVALENT OF 2.78' (NAVD88)
4. EXISTING CRIB WALL IS COMPLETELY COLLAPSED OR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

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



S:\4\420579 - Greenville\Figure\Permit\Fig 10.dwg Date: 4/6/2017 4:26 PM User: KatinikM

S:\4\480579 - Greenville\Figure\Permit\Fig 11.dwg Date: 5/11/2017 11:37 AM User: HS037482



THE PORT AUTHORITY
OF NY & NJ



ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

PROPOSED PIER C PLAN

REHABILITATE STRUCTURES
AT GREENVILLE YARD

VP MA BP
Designed by Drawn by Checked by

30501 01
BLOCK LOT

NEW JERSEY
CITY

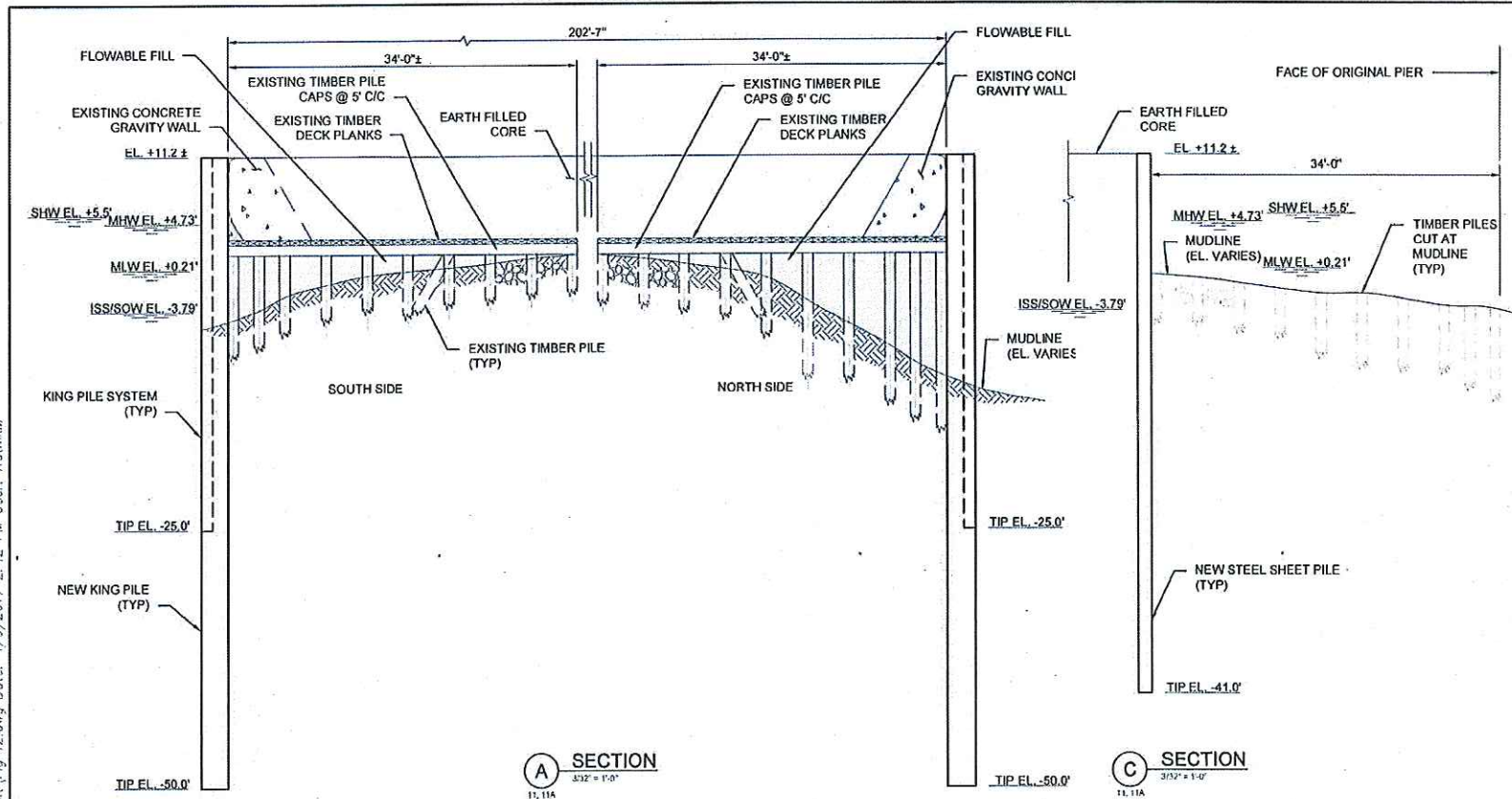
HUDSON
COUNTY

WEEKS MARINE, INC.
ARCHITECT

MAY 2017
DATE

SHEET 11 of 18

S:\14\480579 - Greenville\Figure\Permit\Fig 12.dwg Date: 4/6/2017 2:42 PM User: KatrinaM



TIDAL DATA

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

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

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

NOTES

1. REMOVE EXISTING MOORING HARDWARE ON PIER.
2. 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

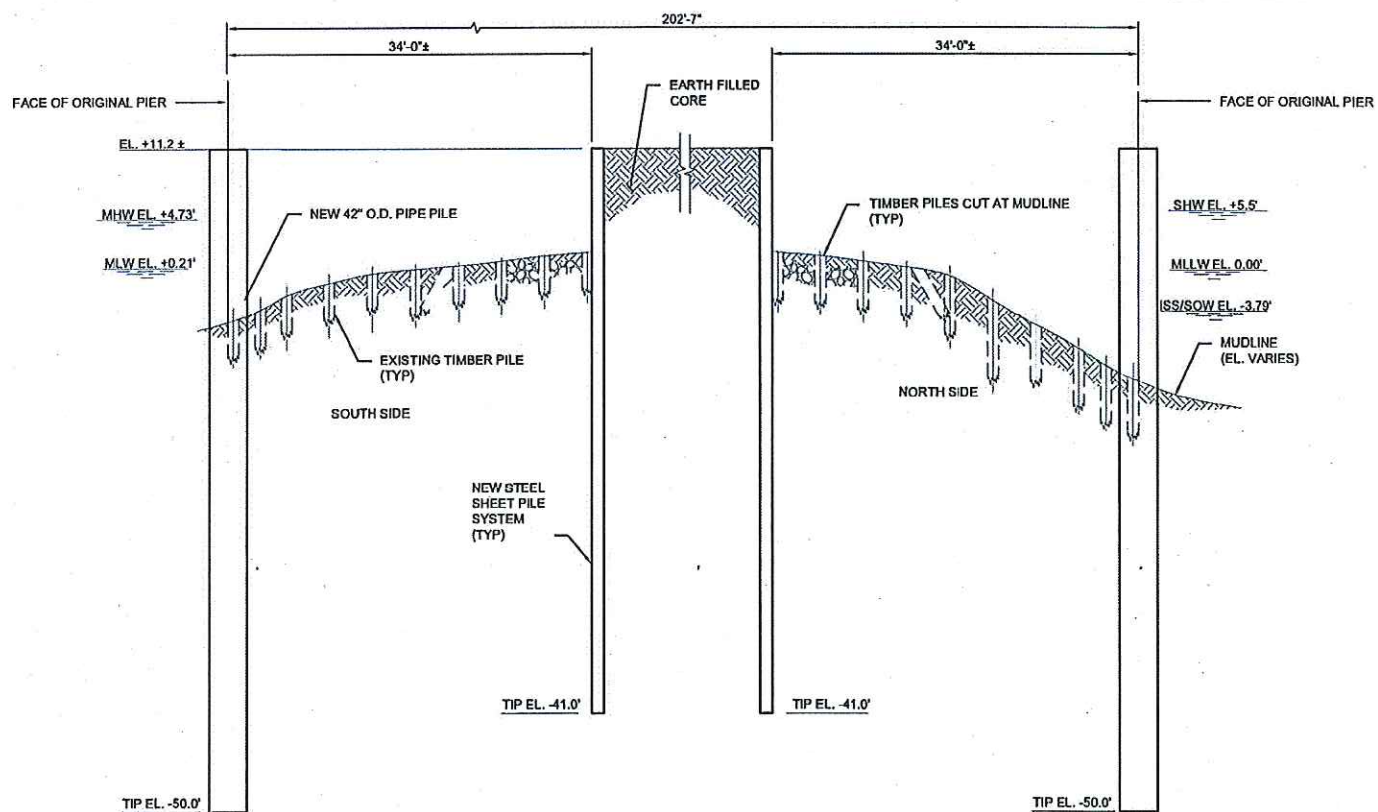
NEW JERSEY
MARINE TERMINAL

PROPOSED PIER C
SECTIONS

REHABILITATE STRUCTURES
AT GREENVILLE YARD

VP	MA	BP
Designed by	Drawn by	Checked by
30501	01	
PROJECT	LOT	
NEW JERSEY		
CITY		
HUDSON		
COUNTY		
WEEKS MARINE, INC.		
APPLICANT		
MAY 2017		
DATE		
SHEET 12	OF 18	

S:\41480575 - Greenville\Figure\Permit\Fig 13.dwg Date: 5/10/2017 2:09 PM User: HS037482



TIDAL DATA

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

(B) SECTION
11.11A

NOTES

1. REMOVE EXISTING MOORING HARDWARE ON PIER.
2. ALL ELEVATIONS ARE AT 2.78 FT ABOVE NORTH AMERICAN VERTICAL DATUM (NAVD88). MLLW=0 EQUIVALENT OF 2.78' (NAVD88).
3. 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

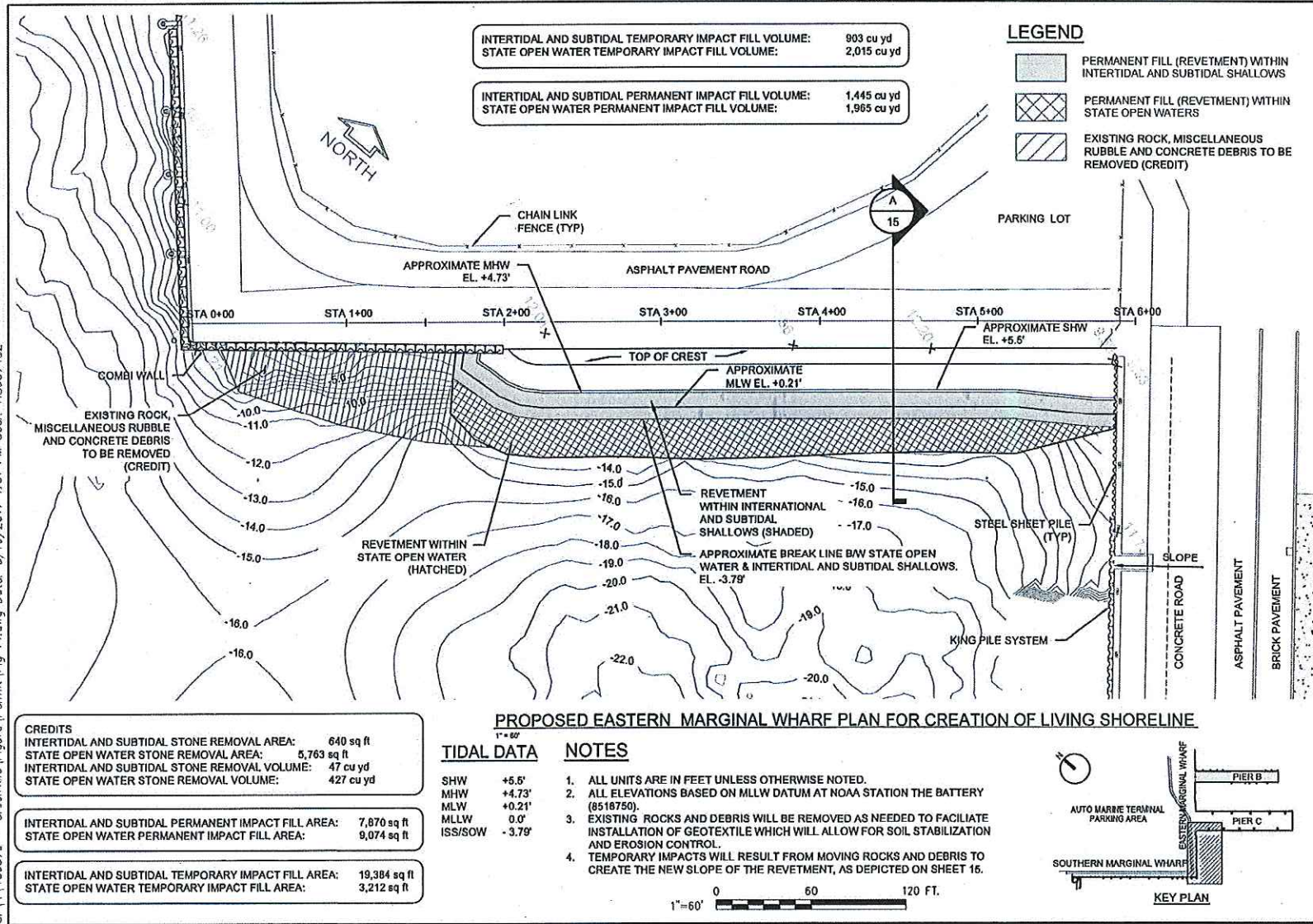
NEW JERSEY
MARINE TERMINAL

PROPOSED PIER C
SECTION B

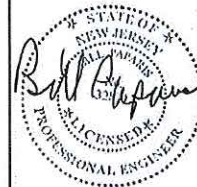
REHABILITATE STRUCTURES
AT GREENVILLE YARD

YP	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	13	OF 18

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



THE PORT AUTHORITY
OF NY & NJ



ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

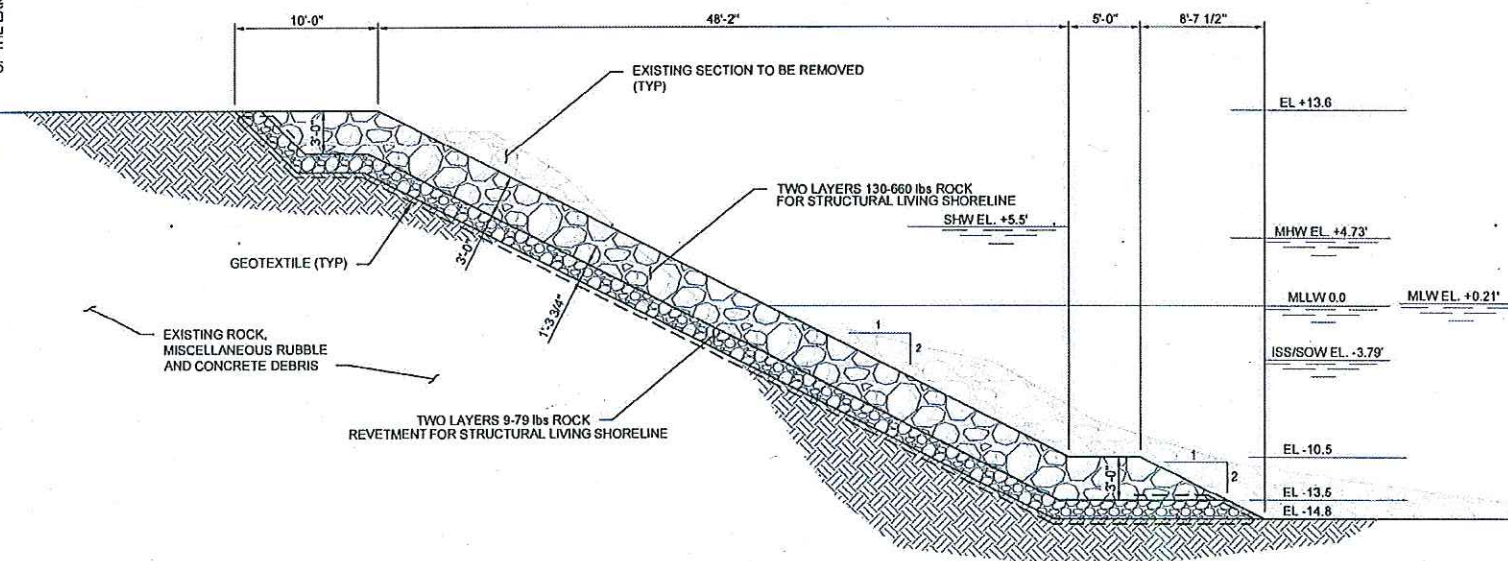
PROPOSED EASTERN
MARGINAL WHARF PLAN
FOR CREATION OF
LIVING SHORELINE

REHABILITATE STRUCTURES
AT GREENVILLE YARD

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: Kohnikm

REFERENCE LINE EAST END
OF THE EXISTING ROAD

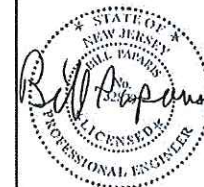


A TYPICAL SECTION
1/8" = 1'-0"

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
R.O.C.K. LOT
NEW JERSEY
CITY
HUDSON
COUNTY
WEEKS MARINE, INC.
APPLICANT
MAY 2017
DATE

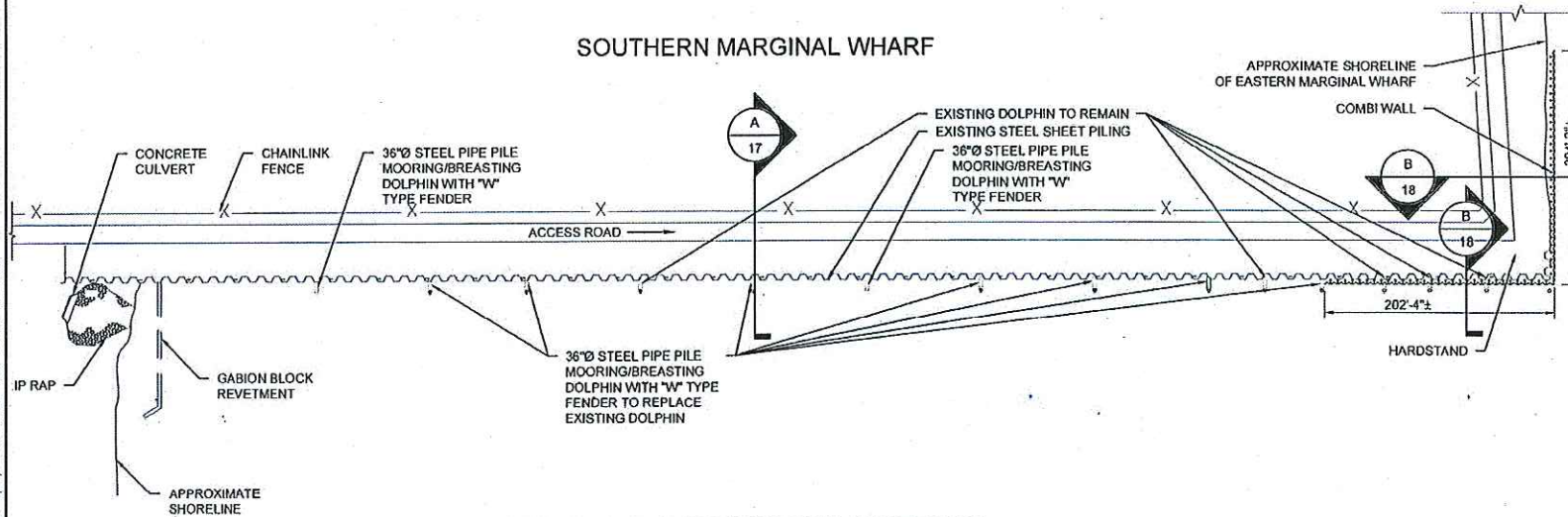
SHEET 15 of 18

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: KatrinaM



SOUTHERN MARGINAL WHARF



PROPOSED SOUTHERN MARGINAL WHARF PLAN

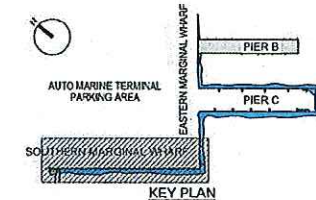
1" = 100'

HARDSTAND	
INTER-TIDAL AND SUBTIDAL FILL AREA:	613 sq ft
STATE OPEN WATER FILL AREA:	1,028 sq ft
INTER-TIDAL AND SUBTIDAL FILL VOLUME:	216 cu yd
STATE OPEN WATER FILL VOLUME:	477 cu yd

DOLPHINS	
STATE OPEN WATER FILL AREA:	14 sq 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

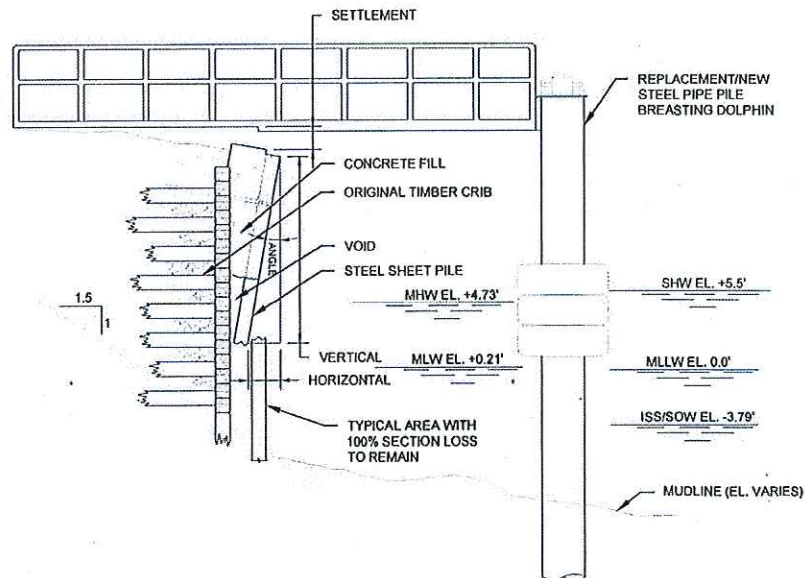
NEW JERSEY
MARINE TERMINAL

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.		
APPLICATION		
MAY 2017		
DATE		
SHEET 16 OF 18		

S:\14\480579 - Greenville\Figure\Permit\Fig. 17.dwg Date: 4/6/2017 9:52 AM User: KatrikM



(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'

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

THE PORT AUTHORITY
OF NY & NJ



ENGINEERING DEPARTMENT

NEW JERSEY
MARINE TERMINAL

PROPOSED SOUTHERN
MARGINAL WHARF
SECTION

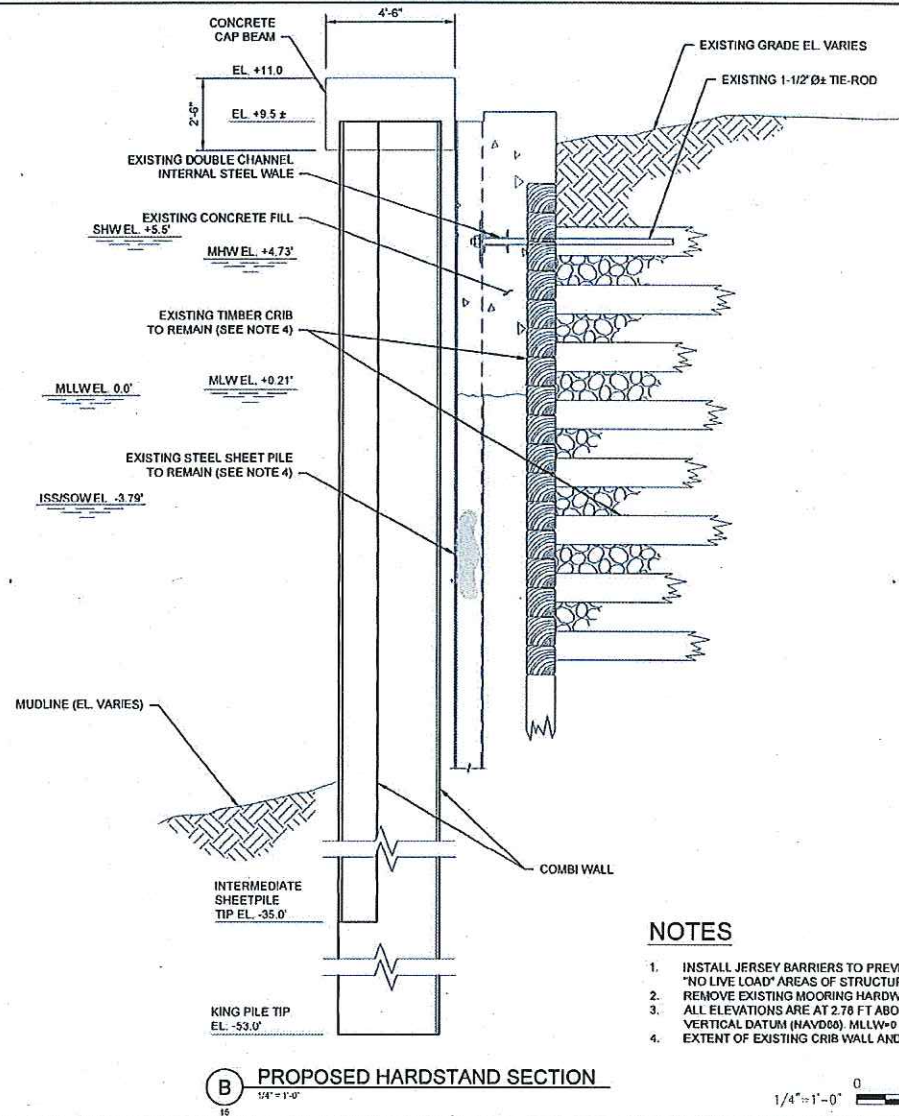
REHABILITATE STRUCTURES
AT GREENVILLE YARD

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

S:\1480579 - Greenville\Figure\Permit\Fig 18.dwg Date: 4/6/2017 4:00 PM User: KothikM

TIDAL DATA

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



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

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 (NAV88). MLLW=0 EQUIVALENT OF 2.78' (NAV88).
4. EXTENT OF EXISTING CRIB WALL AND STEEL SHEET PILING UNKNOWN.



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

ENGINEER

WEEKS MARINE, INC.

DATE

MAY 2017

SHEET 18 OF 18