



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-2019-00669-WCA
Issue Date: July 9, 2019
Expiration Date: August 7, 2019

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: Bayonne Drydock and Repair Corp.
Military Ocean Terminal
P.O. Box 240
Bayonne, New Jersey 07002

ACTIVITY: Dredge, with upland disposal, an estimated volume of approximately 2,400 cubic yards of accumulated sediments from an approximately 0.23 acre area located adjacent to the existing Bayonne Drydock site, and install a new travel lift with two (2) new associated monopoles.

WATERWAY: Upper New York Harbor

LOCATION: City of Bayonne, 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.

CENAN-OP-RW
PUBLIC NOTICE NO. NAN-2019-00669-WCA

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

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

Any person may request, 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

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PUBLIC NOTICE NO. NAN-2019-00669-WCA

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, should be so addressed.

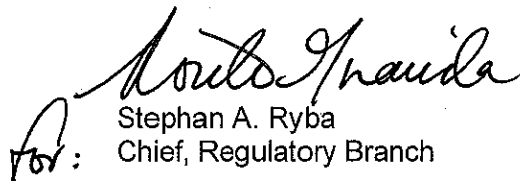
In addition to any required water quality certificate and coastal zone management program concurrence, the applicant has obtained or requested the following governmental authorization for the activity under consideration:

- (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: Stephan A. Ryba
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

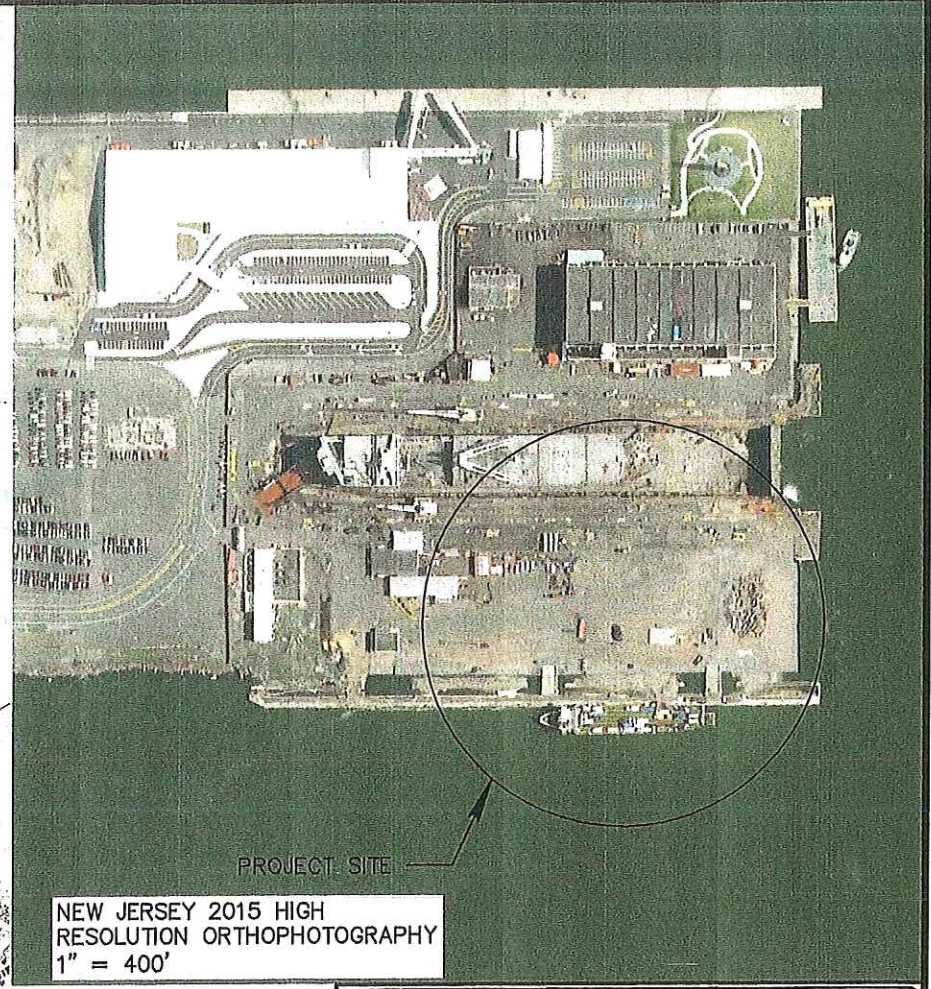
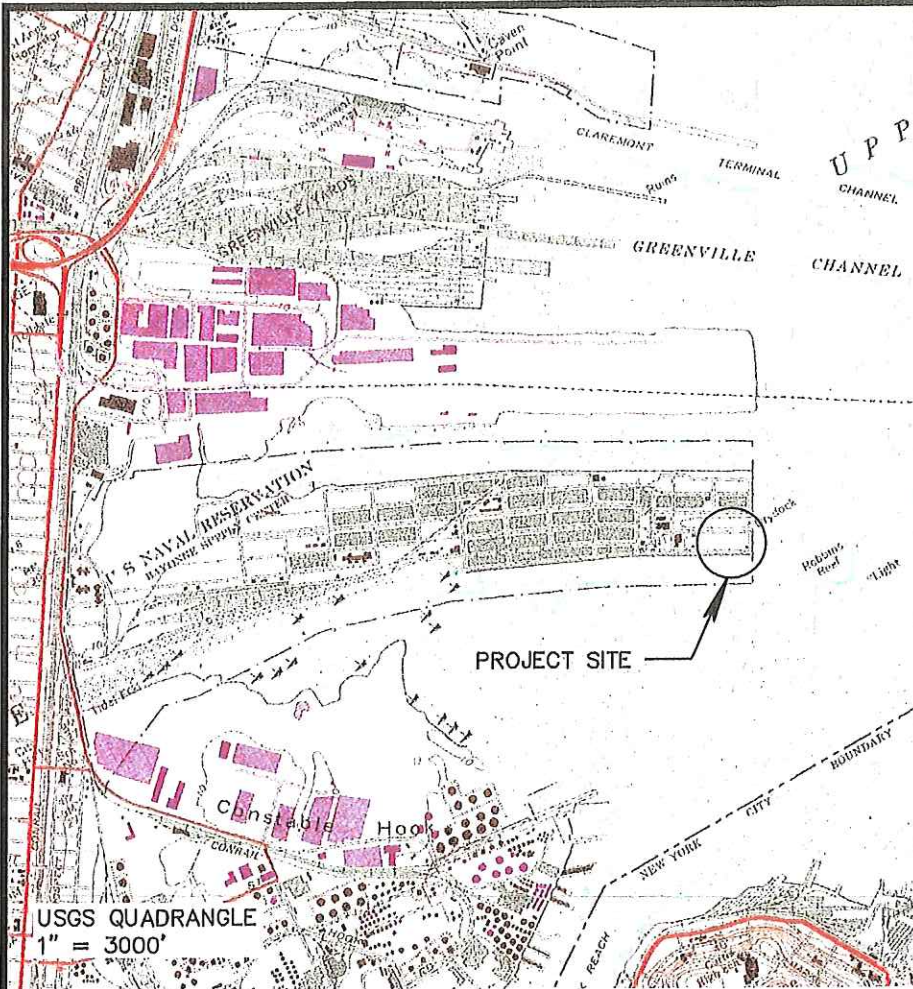
The applicant, Bayonne Drydock and Repair Corporation, has requested Department of the Army authorization to perform dredging, with upland disposal, and construct and install a new 1,280 travel lift with two associated monopoles in and over navigable waters of the United States. The project site is located at the Bayonne Drydock and Repair Corporation facility situated at the eastern end of the former Military Ocean Terminal, in the City of Bayonne, Hudson County, New Jersey.

The proposed regulated activities would include the dredging, with upland disposal, of approximately 2,400 cubic yards of accumulated sediment and debris from an approximately 0.23 acre area located adjacent to the eastern end of the Bayonne Drydock facility. The area would be dredged to a depth of -24.2 feet below the plane of Mean Low Water (MLW, North American Vertical Datum, 1988 (NAVD, 88)). An environmental bucket would be used during the proposed dredging activities, and dredge operators would be required to achieve full bucket loads to the maximum extent practicable and to place the dredged material into sealed barges, with no barge overflow. Decanting of excess water would be performed in accordance with the requirements of a New Jersey Department of Environmental Protection (NJDEP) Water Quality Certificate. The applicant proposes to dispose of the 2,400 yards of dredged material at the Clean Earth Bethlehem Site, a state approved upland disposal site located in Bethlehem, Pennsylvania. The proposed dredging activities would take place adjacent to Federal Navigation Channel known as the "Channel Along the N.J. Pierhead Line".

Travel lift construction activities would include the installation of a new 1,280 ton travel lift with two (2) associated 214.5 linear foot long by 14-foot wide pile supported concrete launching piers. As part of the new travel lift installation activities, the applicant proposes to first excavate an approximately 0.177 acre portion of uplands located on the terminal (an existing paved area) situated landward of the existing east-end bulkhead. Once the area is excavated, with upland disposal, approximately 419 linear feet of steel sheet bulkhead would be installed around the perimeter of the excavation area. Prior to removing the existing east end of the terminal bulkhead and opening up the excavation area to tidal waters, the applicant proposes to install a portion of the two (2) pile supported concrete launching piers. Each launching pier section would be approximately 214.5 linear feet in length, and would include the installation of twenty-six (26) 14-inch in diameter steel piles filled with concrete (52 in total). Once installed, the applicant would then demolish the existing eastern end bulkhead, and open the area to tidal flow. A 54.9-foot long by 141-foot wide concrete pad would be installed at the base of the new Travel Lift excavation area. After performing the dredging activities, the applicant would install the remaining 42 linear foot portions of the two (2) new launch piers, which would include the installation of an additional 20 (total) 14-inch in diameter steel piles filled with concrete (10 piles for each pier). A total of 16.13 cubic yards of fill would be used to fill the 20 concrete piles.

Additional activities would include the installation of one (1) 36-inch in diameter steel monopole with associated fender doughnuts within navigable waters of the United States at the east end of each launch pier (2 monopoles total).

The purpose of the project is to enable the Bayonne Drydock and Repair Corporation facility to expand current operations and serve the increased maritime communities demand for marine repair facilities.



SHEET INDEX

1. LOCATION MAP
2. UTILITIES & PROPERTY OWNERS
3. EXISTING CONDITIONS
4. UPLAND DEMOLITION PLAN
5. PROPOSED CONDITIONS
6. PIER & BULKHEADS
7. BULKHEAD DETAILS
8. PIER FRAMING PLAN
9. PIER DETAILS
10. PROPOSED TRAVEL LIFT
11. PROPOSED DREDGE PLAN
12. PROPOSED DREDGE CROSS-SECTIONS



BAYONNE DRYDOCK & REPAIR CORP. MOBILE BOAT HAULER UPPER BAY, NEW YORK HARBOR LOCATION MAP

SITUATED IN
CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



RIOX ENGINEERING LLC

Engineers & Consultants

13 Dayton Avenue
Trenton, NJ 08611
NJ Certificate of Authorization No. 24GA28231000

Tel: 908-295-6507
Fax: 732-818-0646
WWW.RIOXENGINEERING.COM

Job No.
00028006000

Date
02/18/2019

Scale(H) AS SHOWN
(V) N/A

1 OF 12

INDEX OF UTILITIES

CABLE TELEVISION

Cablevision
4007 Park Avenue
Union City, NJ 07087
Attn: Don Basil
(201) 271-1682

CABLE TELEVISION

Cablevision OF BAYONNE
685 Broadway
Bayonne, NJ 07002

ELECTRIC

Port Authority of New York and New Jersey
New Jersey Marine Terminals
260 Kellogg Street
Port Newark, NJ 07114
Attn: Charles Sedar III
(973) 578-2198

ELECTRIC

P.S.E.&G.
80 Park Plaza
Newark, NJ 07102

WATER AND SEWER:

Bayonne Municipal Utilities Authority
630 Avenue C
Bayonne, NJ 07002
(201) 339-3200

WATER AND SEWER:

City of Bayonne Water & Sewer Division
City Hall, 630 Avenue C
Bayonne, NJ 07002
(201) 339-3200

TELEPHONE

Verizon-New Jersey
1500 Teaneck Road, Floor 2
Teaneck, NJ 07666
Attn: Clive White, Engineering
(201) 541-8735

TELEPHONE

Verizon Telephone
540 Broad Street
Newark, NJ 07102

TRANSMISSION PIPELINE OWNER

Texas Eastern Transmission, LP
(aka Spectra Energy)
5400 Westheimer Court
Houston, TX 77056-5310

NJ ONE CALL: 1-800-272-1000

PROPERTY OWNERS WITHIN 200' JANUARY 8, 2019

CITY OF BAYONNE & PA OF NY & NJ
360 AVE C
BAYONNE, NJ 07002

PORT AUTHORITY OF NY & NJ
225 PARK AVE SOUTH
NEW YORK, NY 10003

PORT AUTHORITY OF NY & NJ
REAL ESTATE DEPARTMENT
4 WORLD TRADE CENTER
150 GREENWICH STREET, 17TH FLOOR
NEW YORK, NY 10007

BAYONNE MUNICIPAL UTILITIES AUTHORITY
630 AVENUE C
ROOM 11
BAYONNE, NJ 07002

CITY OF BAYONNE
630 AVE C
BAYONNE, NJ 07002

BAYONNE DRYDOCK & REPAIR CORP. MOBILE BOAT HAULER UPPER BAY, NEW YORK HARBOR UTILITIES & PROPERTY OWNERS

SITUATED IN
CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



RIOUX ENGINEERING LLC

Engineers & Consultants

13 Dayton Avenue
Toms River, NJ 08753
NJ Certificate of Authorization No. 24GA28231000

Tel: 908-295-6507
Fax: 732-818-0615
WWW.RIOUXENGINEERING.COM

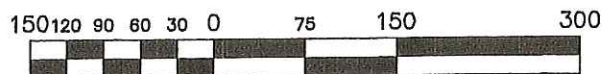
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00028006000

Date
02/18/2019

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(V) N/A

2 OF 12

Product # 81/2019 2-30-12 AM
The K-Vocals - SANYONE PRODUCK & REPAIR CORPORATION\COO0000000 -- TRAVEL LEFT\JMS\MOO\UP AND IMPROVEMENTS -- END PERMIT 2010-04-02 REV 3.0MS - 03 ACCE DISTING

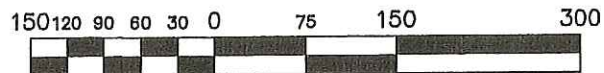
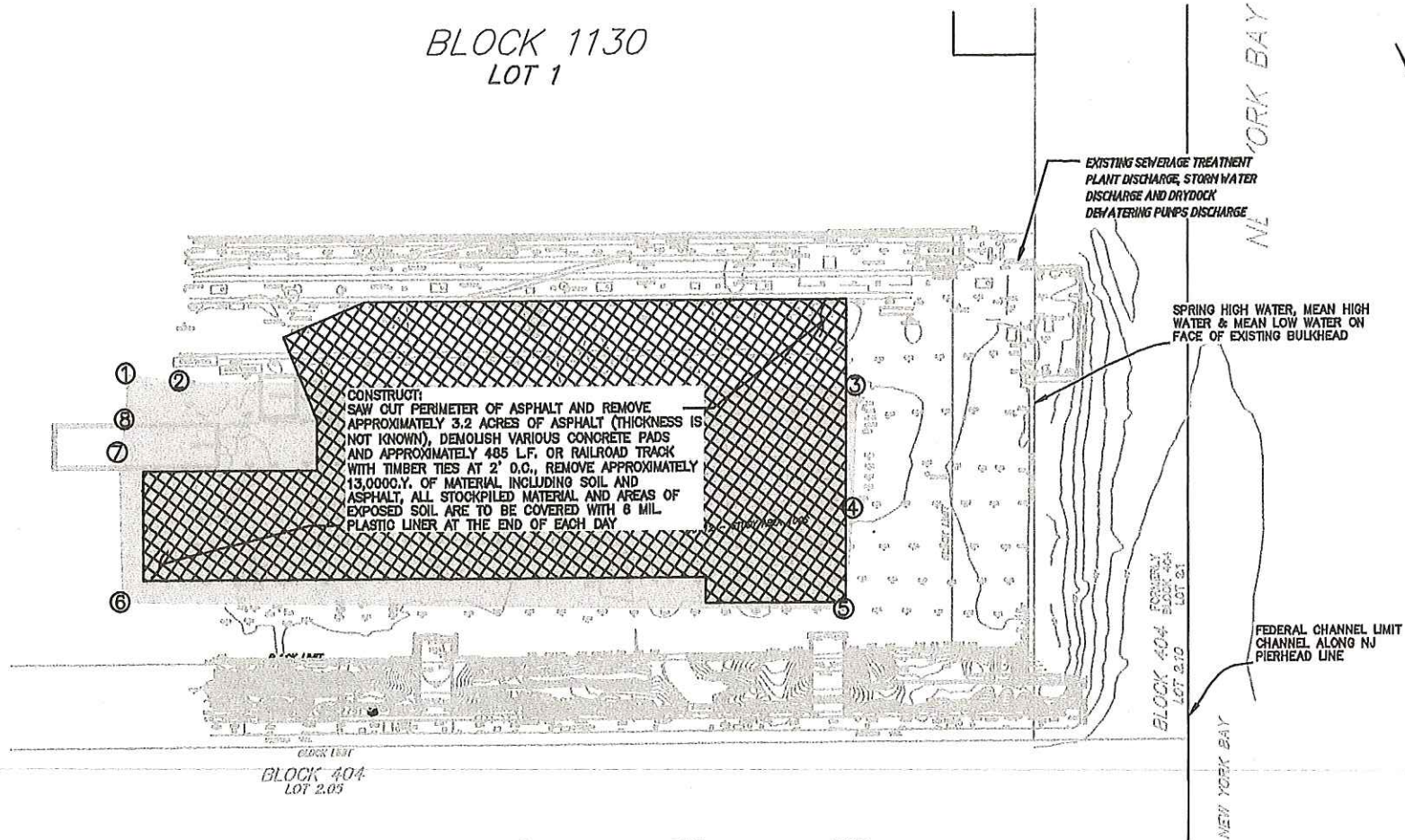


REMEDIED AREA COORDINATES

DATUM CHART IN FEET	MLW	NAVD88
TOP OF WHARF	11.14	8.60
MHTW	4.82	2.28
MHW	4.50	1.88
NAVD88	2.54	0.00
MLW	0.00	-2.54
MLLW	-0.21	-2.75

3 OF 12

BLOCK 1130 LOT 1



GRAPHIC SCALE
1 inch=150 feet

REMEDIATED AREA COORDINATES

① 686501.37 N 610852.07 E	⑧ 686383.07 N 610548.55 E
② 686531.31 N 610891.51 E	⑦ 686503.18 N 610811.17 E
③ 686228.31 N 611225.12 E	⑥ 686525.62 N 610631.40 E
④ 686131.11 N 611189.65 E	
⑤ 686055.68 N 611119.04 E	

DATUM CHART IN FEET	MLW	NAVD88
TOP OF WHARF	11.14	8.60
MHHW	4.82	2.28
MHW	4.50	1.98
NAVD88	2.84	0.00
MLW	0.00	-2.54
MLLW	-0.21	-2.75

BAYONNE DRYDOCK & REPAIR CORP. PROPOSED SITE DEMOLITION UPPER BAY, NEW YORK HARBOR UPLAND DEMOLITION PLAN

SITUATED IN
CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



RIOUX ENGINEERING LLC

Engineers & Consultants

13 Dayton Avenue
Trenton, NJ 08633
NJ Certificate of Authorization No. 24GA28231000

Tel: 908-295-6507
Fax: 732-818-0616
WWW.RIOUXENGINEERING.COM

Job No.
0002806000

Date
02/18/2019

Scale: (1) AS SHOWN
(V) N/A

4 of 12

BLOCK 1130 LOT 1

NEW YORK BAY

EXISTING SEWERAGE TREATMENT PLANT
DISCHARGE, STORM WATER DISCHARGE AND
DRYDOCK DEWATERING PUMPS DISCHARGE

SPRING HIGH WATER, MEAN HIGH
WATER & MEAN LOW WATER ON
FACE OF EXISTING BULKHEAD

CONSTRUCT:
PRIMARY PAVEMENT SECTION/75 PERCENT LOADED
PAVEMENT SECTION, APPROXIMATELY 1.03 ACRES,
SLOPE FROM ELEVATIONS INDICATED ALONG THE
SOUTHERN LIMIT AND MATCH EXISTING ELEVATIONS
AT THE NORTHERN LIMIT, SLOPE VARIES, DISH
PAVEMENT IN AREAS SURROUNDING EXISTING STORM
WATER INLETS TO MATCH PAVEMENT TO ELEVATION
OF EXISTING GRATES

CONSTRUCT:
PRIMARY PAVEMENT SECTION/FULLY LOADED
PAVEMENT SECTION, APPROXIMATELY 1.56 ACRES,
SLOPE FROM EL. 10.0 AT PIERS TO EXISTING
GRADE APPROXIMATELY EL. 9' AT THE WESTERN
LIMIT WITH SLOPE OF APPROXIMATELY 0.167%

OU 12 - STUDY AREA 100'

DREDGE SOIL AND REMOVE TIMBER PILES AND
DEBRIS THAT ARE SEAWARD OF THE EXISTING
BULKHEAD (SEE SHEETS 11 AND 12)

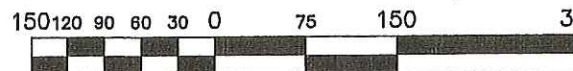
FEDERAL CHANNEL LIMIT
CHANNEL ALONG NJ
PIERHEAD LINE

CONSTRUCT MONOPOLE VISUAL GUIDE FENDER
36" O.D. X 1/2" THICK X 80' (MIN.) ERW PIPE
PILE, FILLED FOR FULL LENGTH, 35' MIN
PENETRATION INTO BOTTOM
W/ TRELLEBORG 5.8'X12' TALL DONUT FENDER
TOP OF PILE AT ELEV. 12 (NAVD 88), SEE
SHEET XX FOR FENDER DATA (TYP.)

PROPOSED CONCRETE
LAUNCHING PIERS FOR
TRAVEL LIFT (SEE SHEETS 8
AND 9 FOR PIERS AND 10
FOR TRAVEL LIFT)

PROPOSED STEEL
SHEET PILE BULKHEAD
WITH SOIL ANCHORS
(SEE SHEETS 6 AND 7)

BLOCK 404
LOT 2.05



GRAPHIC SCALE
1 inch=150 feet

DATUM CHART IN FEET	MLW	NAVD88
TOP OF WHARF	11.14	5.60
MHHW	4.82	2.28
MHW	4.50	1.96
NAVD88	2.54	0.00
MLW	0.00	-2.54
MLLW	-0.21	-2.75

BAYONNE DRYDOCK & REPAIR CORP. MOBILE BOAT HAULER UPPER BAY, NEW YORK HARBOR PROPOSED CONDITIONS

SITUATED IN
CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



RIEUX ENGINEERING LLC

Engineers & Consultants

13 Dayton Avenue
Toms River, NJ 08753
NJ Certificate of Authorization No. 24HA28231000

Tel: 908-295-6507
Fax: 732-818-0546
WWW.RIEUXENGINEERING.COM

Job No.
00028006000

Date
02/18/2019

Scale: (H) AS SHOWN
(V) N/A

5 of 12

CONSTRUCT:
VESSEL WASH PAD, 18" THICK 4,000
PSI CONCRETE, CATCH BASIN, 8" ID
PIPE, MANHOLE, 4" SEWERAGE PUMP
AND 4" HDPE DISCHARGE PIPE, PIPE
TO DISCHARGE INTO EXISTING GRAVING
DOCK AND BE TREATED

CONSTRUCT:
4" HDPE DISCHARGE PIPE, PIPE TO
DISCHARGE INTO EXISTING GRAVING
DOCK AND BE TREATED

PROPOSED STEEL
SHEET PILE BULKHEAD
WITH SOIL ANCHORS
(SEE SHEET 7 FOR
DETAILS)

PROPOSED SOIL ANCHORS
(SEE SHEET 7 FOR
DETAILS)

103'±
FROM FEDERAL CHANNEL LIMIT

92'±
FROM FEDERAL CHANNEL LIMIT

DREDGE SOIL AND REMOVE TIMBER
PILES AND DEBRIS THAT ARE
SEAWARD OF THE BULKHEAD, (SEE
SHEETS 11 AND 12)

92'±
FROM FEDERAL CHANNEL LIMIT

103'±
FROM FEDERAL CHANNEL LIMIT

CONSTRUCT MONOPOLE VISUAL GUIDE FENDER
36" O.D. X 1/2" THICK X 80' (MIN.) ERW PIPE
PILE, FILLED FOR FULL LENGTH, 35' MIN
PENETRATION INTO BOTTOM
W/ TRELLEBORG 5.8"X12' TALL DONUT FENDER
TOP OF PILE AT ELEV. 12 (NAVD 88), SEE
SHEET XX FOR FENDER DATA (TYP.)

PROPOSED CONCRETE
LAUNCHING PIERS FOR
TRAVEL LIFT (SEE SHEET XX
FOR TRAVEL LIFT)

BAYONNE DRYDOCK & REPAIR CORP.
MOBILE BOAT HAULER
UPPER BAY, NEW YORK HARBOR
PIER & BULKHEADS

SITUATED IN
CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY

RIOUX ENGINEERING LLC

Engineers & Consultants

13 Dayton Avenue
Toms River, NJ 08753
NJ Certificate of Authorization No. 240A28231000

Tel.: 908-295-6507

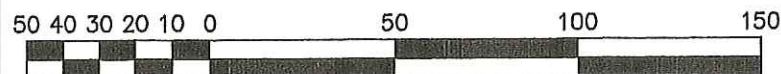
Fax: 732-818-0616
WWW.RIOUXENGINEERING.COM

Job No.
00028006000

Date
02/18/20

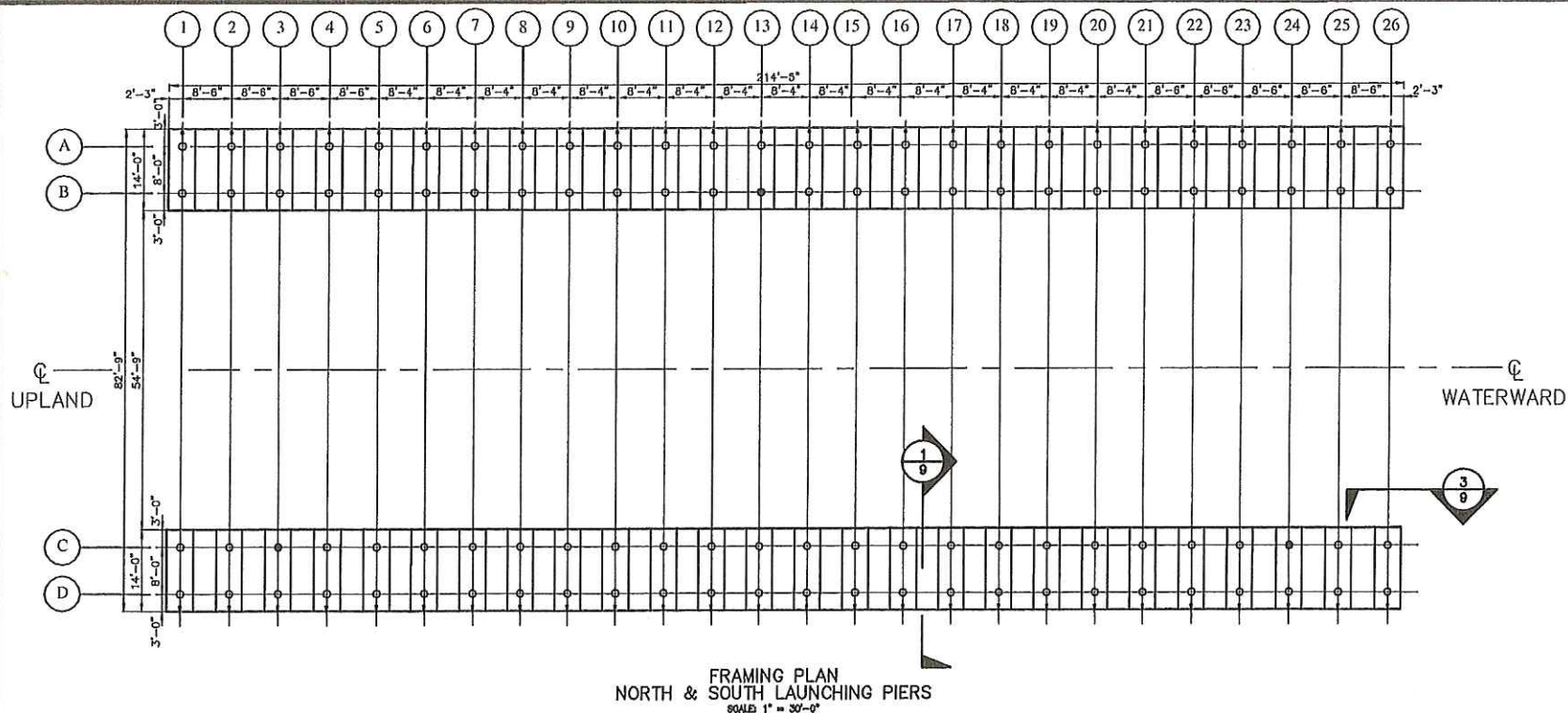
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6 OF 12



GRAPHIC SCALE
1 inch=50 feet

DATUM CHART IN FEET	MLW	NAVDB8
TOP OF WHARF	11.14	8.60
MHHW	4.82	2.28
MHW	4.50	1.08
NAVDB8	2.54	0.00
MLW	0.00	-2.54
MLLW	-0.21	-2.75



NOTES:

1. ALL PILES SHALL BE 14" O.D. x 1/2" THICK PIPE PILES FILLED WITH 5,000 PSI CONCRETE.
2. REQUIRED ALLOWABLE & ULTIMATE AXIAL PILE CAPACITIES WITH A FACTOR OF SAFETY OF 2.
 - 2.1. VERTICAL PILES: 320K ALLOWABLE COMPRESSION & 640K ULTIMATE COMPRESSION
 - 2.2. BATTER PILES: 200K ALLOWABLE COMPRESSION & 400K ULTIMATE COMPRESSION
3. TOP OF PIER TO BE CONSTRUCTED AT ELEVATION 10.0' (NAVD 88).
4. NORTH PIER MIRRORS THE SOUTH PIER ABOUT THE CENTER LINE.

BAYONNE DRYDOCK & REPAIR CORP. MOBILE BOAT HAULER UPPER BAY, NEW YORK HARBOR PIER FRAMING PLAN

SITUATED IN
CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



RIOUX ENGINEERING LLC

Engineers & Consultants

13 Dayton Avenue
Toms River, NJ 08753
NJ Certificate of Authorization No. 240A28231000

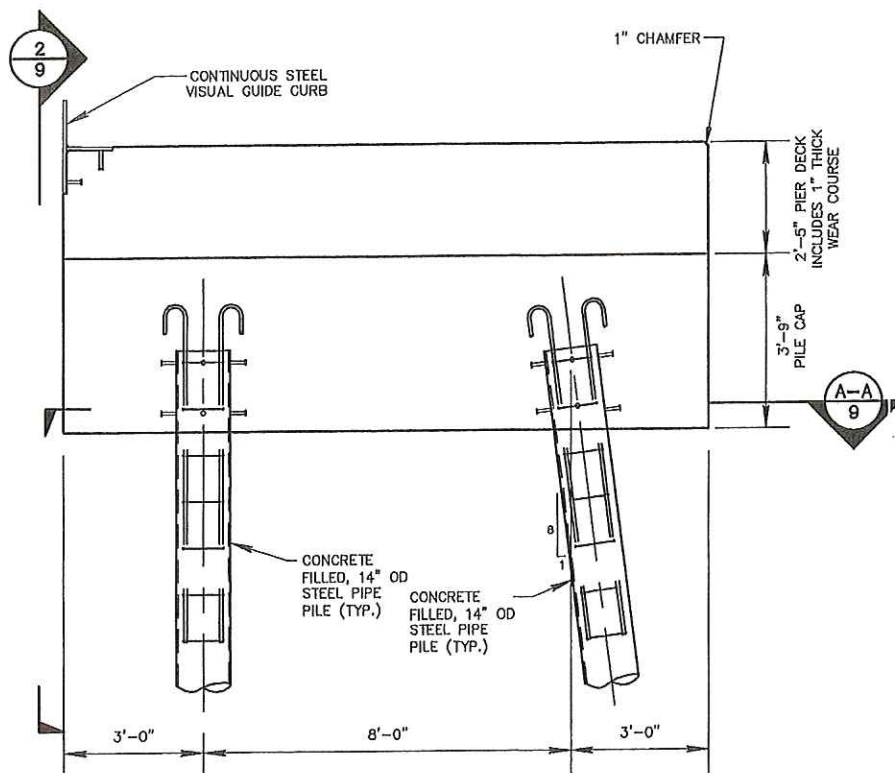
Tel: 908-295-6507
Fax: 732-818-0646
WWW.RIOUXENGINEERING.COM

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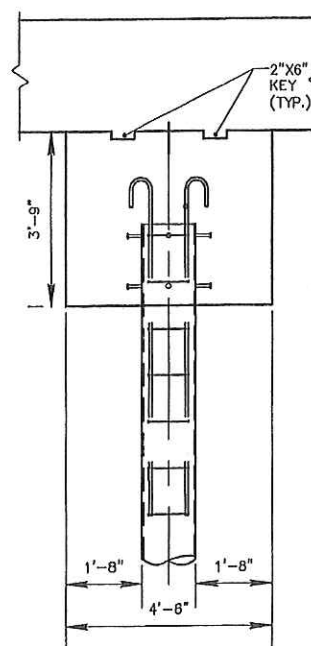
8 of 12



SECTION 1
SCALE: 1/4" = 1'-0"

NOTE:

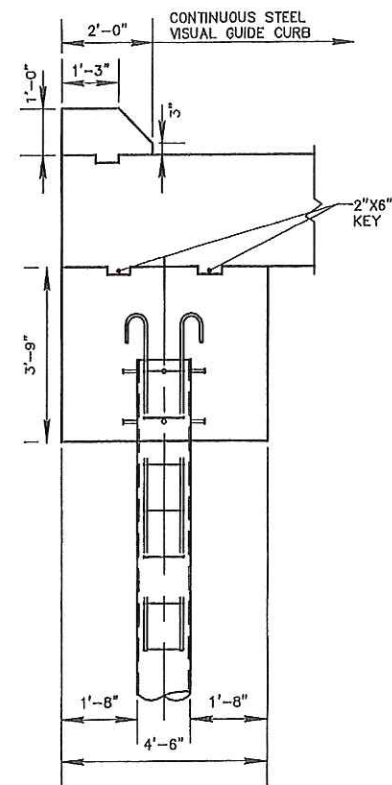
1. IN ORDER TO ENSURE DRAINAGE AND TO PREVENT FROST HEAVE, THE AREA BENEATH THE PILE CAPS AND PIER DECKS SHALL HAVE A COMPACTED LAYER OF NJDOT 1-67 STONE WITH A MINIMUM THICKNESS OF 2'.
2. SEE SECTION A-A FOR TIES AT PILES.
3. FOR CLARITY, REINFORCEMENT IS NOT SHOWN.



SECTION 2
SCALE: 1/4" = 1'-0"

NOTE:

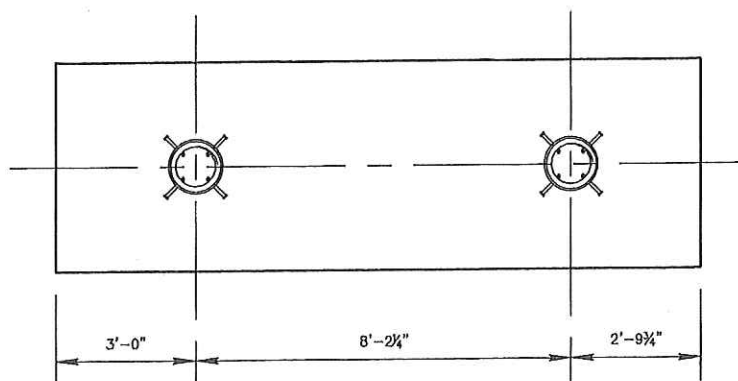
1. STEEL GUIDE CURB AND REINFORCEMENT NOT SHOWN FOR CLARITY



SECTION 3
SCALE: 1/4" = 1'-0"

NOTE:

1. STEEL GUIDE CURB AND REINFORCEMENT NOT SHOWN FOR CLARITY



SECTION A-A
SCALE: 1/4" = 1'-0"

BAYONNE DRYDOCK & REPAIR CORP.
MOBILE BOAT HAULER
UPPER BAY, NEW YORK HARBOR
PIER DETAILS

SITUATED IN
 CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



RIOUX ENGINEERING LLC

Engineers & Consultants

13 Dayton Avenue
 Teaneck, NJ 07653
 NJ Certificate of Authorization No. 240A28231060

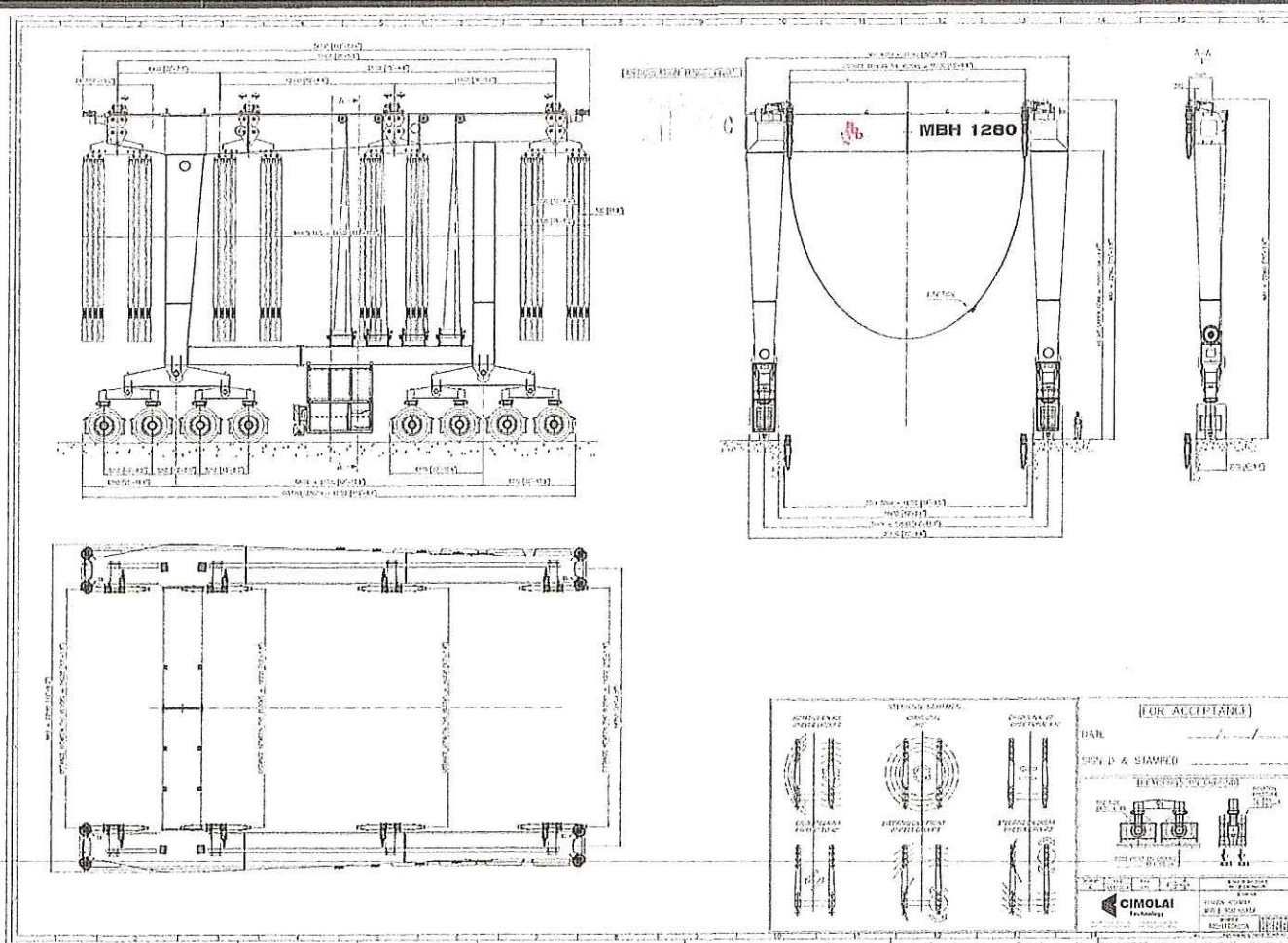
Tel: 908-295-6597
 Fax: 732-518-0646
 WWW.RIOUXENGINEERING.COM

Job No.
 00028006000

Date
 02/18/2019

Scale(H) AS SHOWN
 (V) N/A

9 of 12



N.T.S.

BAYONNE DRYDOCK & REPAIR CORP.
MOBILE BOAT HAULER
UPPER BAY, NEW YORK HARBOR
PROPOSED TRAVEL LIFT

SITUATED IN
CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



RIOX ENGINEERING LLC

Engineers & Consultants

13 Dayton Avenue
Toms River, NJ 08753
NJ Certificate of Authorization No. 24GA28231000

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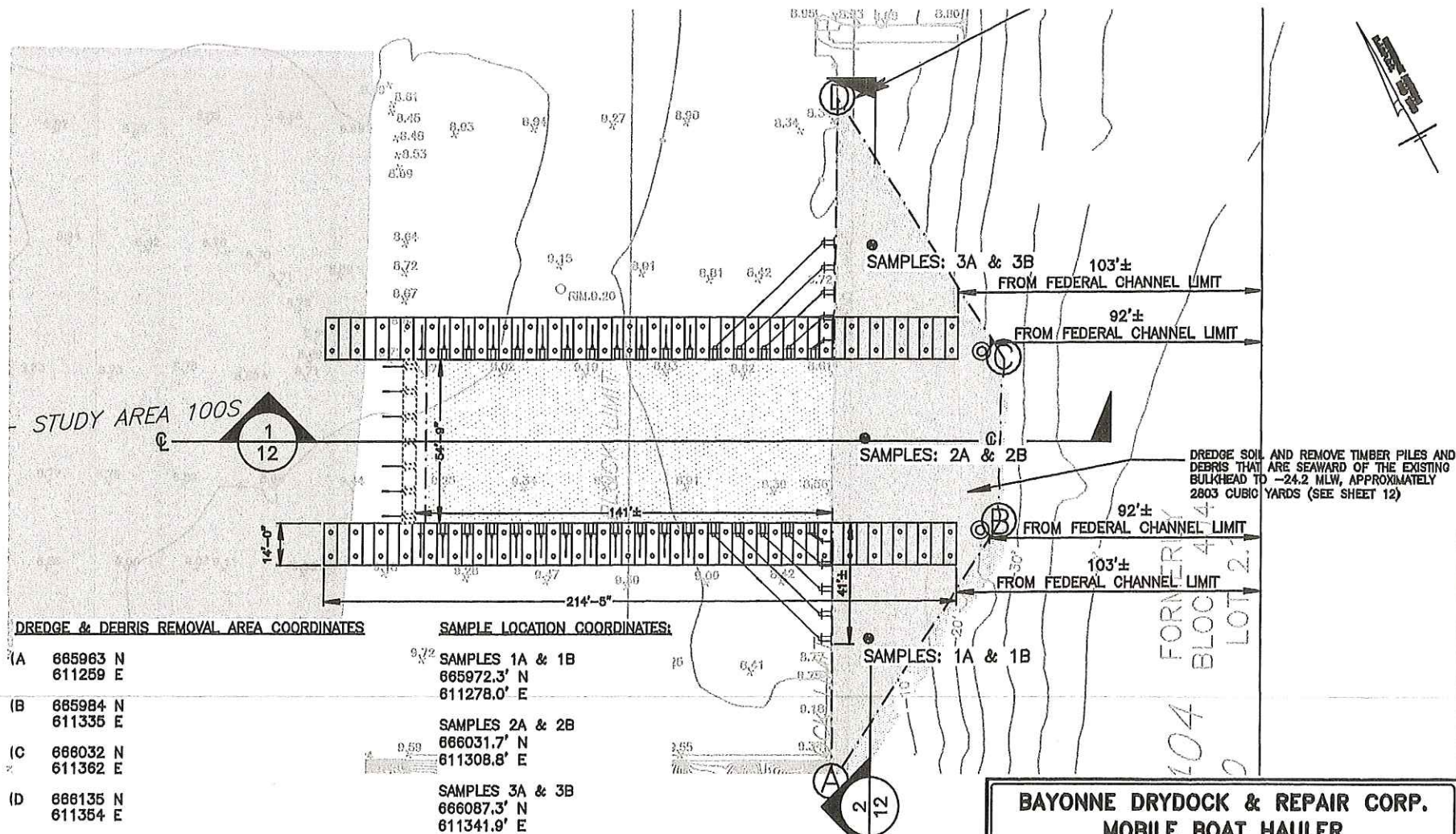
Job No.
00028006000

Date
02/18/2019

Scale: (H) AS SHOWN
(V) N/A

10 OF 12

13 DAYTON AVENUE, TOWNSHIP OF TOWNSHIP, NEW JERSEY 07080-1000
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NOTES:
 1. FOR ANALYTICAL DATA, SEE REPORT TITLED
 VOLUME I, TECHNICAL REPORT ON THE
 SAMPLING AND TESTING OF SEDIMENT FROM
 BAYONNE DRY DOCK AND REPAIR COMPANY,
 BAYONNE, NJ THAT WAS PREPARED BY AQUA
 SURVEY, INC. AND IS DATED JULY 20, 2018.

BAYONNE DRYDOCK & REPAIR CORP.
MOBILE BOAT HAULER
UPPER BAY, NEW YORK HARBOR
PROPOSED DREDGE PLAN

SITUATED IN
 CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



RIOUX ENGINEERING LLC

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 Toms River, NJ 08753
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11 of 12

UPLAND EXCAVATION AREA
EXCAVATION FOR TRAVEL
LIFT BASIN TO OCCUR
PRIOR TO REMOVAL OF
EXISTING BULKHEAD

DREDGE SOIL IN FRONT OF EXISTING BULKHEAD TO
-24.2 MLW, APPROXIMATELY 2830 CUBIC YARDS,
DREDGING INCLUDES THE REMOVAL OF RIP-RAP
REVTMENT AND TIMBER PILES FROM FORMER MOT
BAYONNE LOW LEVEL RELIEVING PLATFORM, TIMBER
PILES ARE SPACED APPROXIMATELY ON A 4' X 5' GRID,
FOR PURPOSES OF CLARITY TIMBER PILES NOT SHOWN

EL. 8.6'± TOP OF
EXISTING BULKHEAD

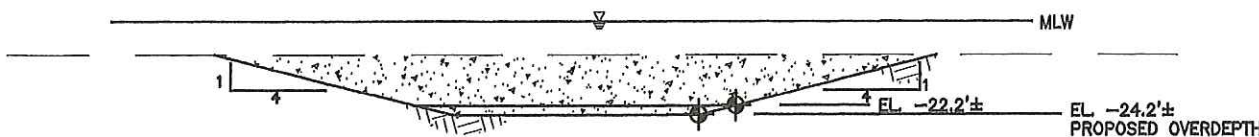
MLW

EL. -22.2'±

EL. -24.2'±
PROPOSED OVERDEPTH

APPROXIMATELY EAST WEST SECTION

SCALE: 1" = 40'



APPROXIMATELY NORTH SOUTH SECTION

SCALE: 1" = 40'



18" Ø ANGULAR ROCK AND CONCRETE
EXCAVATED DURING SEDIMENT SAMPLING

DATUM CHART IN FEET	MLW	NAVD88
TOP OF WHARF	11.14	8.60
MHHW	4.82	2.28
MHW	4.60	1.98
NAVD88	2.64	0.00
MLW	0.00	-2.64
MLLW	-0.21	-2.78

BAYONNE DRYDOCK & REPAIR CORP.
MOBILE BOAT HAULER
UPPER BAY, NEW YORK HARBOR
PROPOSED DREDGE CROSS-SECTIONS

SITUATED IN
CITY OF BAYONNE, HUDSON COUNTY, NEW JERSEY



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12 OF 12