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-2012-01200-WCA
Issue Date: July 26, 2013
Expiration Date: August 26, 2013

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 Jersey Transit Corporation
1 Penn Plaza
Newark, New Jersey, 07105

ACTIVITY: Discharge fill material into waters of the United States to facilitate the construction and installation of two 40,700 square foot platforms supported by concrete filled piles, with an associated pile field and two 27,800 square foot temporary platforms, two temporary ferry terminals, and perform new dredging with upland disposal.

WATERWAY: Hudson River

LOCATION: Township of Weehawken and West New York, 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. Comments provided will become a part of the public record for this action.

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 as a result of the construction of the proposed regulated activity. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations are 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, 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 James Cannon.

In order for us to better serve you, please complete our Customer Service Survey located at http://per2.nwp.usace.army.mil/survey.html

For more information on New York District Corps of Engineers programs, visit our website at http://www.nan.usace.army.mil

Christopher S. Salvagy

for Jodi M. McDonald
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, the New Jersey Transit Corporation, has requested Department of the Army authorization to construct and install three permanent pile supported platforms, two temporary pile supported platforms, two temporary ferry terminals, and perform new dredging with upland disposal. The applicant has stated that the installation of these regulated in-water elements, within the Weehawken Cove, would enhance the current ferry operation, provide additional ferry terminal capacity if needed in a public emergency, expand public waterfront open space, and support the proposed Grand Prix of America (Formula 1) race at Port Imperial scheduled to take place annually, starting in June of 2014. The project site is located within the Hudson River watershed, in the Township of Weehawken and West New York, Hudson County, New Jersey.

The project consists of the following regulated activities:

Proposed Permanent Pile Supported Platforms: The construction and installation of two 40,700 square foot permanent platforms, one to be installed on each side of the existing New York Waterway leased Port Imperial Intermodal Ferry Terminal (PIIFT), and supported by a total of 156 H-piles. Each pile would be encased in 18-inch x 18-inch fiberglass jackets filled with concrete, and placed in an alternating spacing of 16-feet and 24-feet on center. A permanent 4,051 square foot pile supported platform would be installed between the existing Hudson River Walkway fronting the existing PIIFT over the area known as "the Crescent" to provide improved access to the terminal (this "Crescent" area consists of a crescent shaped wetland situated at the base of the existing Hudson River Walkway bulkhead and the PIIFT). This platform would be supported by six (6) H-piles, each encased in 18-inch by 18-inch fiberglass jackets filled with concrete, and will be connected to the upland walkway and the terminal access way by expansion joints. The applicant has stated that the spacing of the platform piles, at an alternating spacing of 16-feet and 24-feet on center, is widely spaced and would not constitute a significant pile activity or cause sediment build-up in the cove. The total square footage of pile placement in the Hudson River (including the six piles needed for the Crescent area in front of the terminal) would be approximately 364.5 square feet (0.008 acres). No mitigation has been proposed for this element.

Ferry Berthing Areas and Temporary Pile Supported Platforms: Install a total of 46 hollow, 18-inch steel pipe piles and 10 hollow, 36-inch steel pipe piles (each placed at 40-foot on center) on each side of the existing PIIFT. The referenced piles would serve two purposes: a) provide two new berthing areas to accommodate a total of eight new ferry boat slips immediately adjacent to the north and south side of the PIIFT; and b) serve, on a temporary basis each year, to support two approximately 27,800 square foot platforms that would be used to accommodate fan amenities for the Formula 1 race event. The hollow steel pipe piles would be left in place year-round and fitted appropriately for the mooring of ferry boats. The timeframe for the temporary platforms to be erected, the race event, and the removal of the platforms from the waterway would be approximately four months for the first race event. In subsequent years the timeframe would be reduced to approximately 65 workdays. The water shading by the platforms would begin incrementally only after the steel framing has been set in place, for the first year framing would take approximately 30 workdays, and in the second and subsequent years would take approximately 20 workdays.

New Dredging Activities: To accommodate the new ferry terminal berthing area, the applicant proposes to deepen and expand the existing maintenance dredge area (authorized under New Jersey Transit Department of the Army (DA) Permit No. 2003-00553, and the subject of a pending New Jersey Department of Environmental Protection Permit) by a total of approximately 150,650 square feet (3.45 acres). Utilizing an environmental clamshell bucket, new dredging activities would include dredging approximately 17,253 cubic yards of dredge material from the proposed north berth area, and approximately 13,046 cubic yards of dredged material from the proposed south berth area to a depth of -10 feet below the plane of Mean Low Water (MLW) North American Vertical Datum (NAVD). The total volume of new material to be dredged would be approximately 30,299 cubic yards. No over dredge for the newly proposed dredging area is proposed. As part of the applicant's previously issued DA permit for maintenance dredging, an additional 2,845 cubic yards of dredged material, including one foot over dredge, would be removed from the existing ferry terminal's maintenance dredge area. In order to efficiently mobilize, minimize disturbance, and reduce minor impacts associated with the new and existing maintenance dredging activities, the applicant proposes

one combined dredging event to perform both the new and the existing maintenance dredging activities. Dredging for the new ferry berthing area has been minimized to only the area necessary to allow access for ferry vessels, and a turning radius to access the ferry terminal. The dredged material would be loaded, without barge overflow, into a barge. Excess water would be decanted in a holding barge located in close proximity to the dredging area, and the decanting would be performed in accordance with the requirement of the water quality certificate that would be issued by the New Jersey Department of Environmental Protection for this project. The applicant intends to seek an Acceptable Use Determination from the New Jersey Department of Environmental Protection Office of Dredging and Sediment Technology in order to dispose of the material at a state approved upland site.

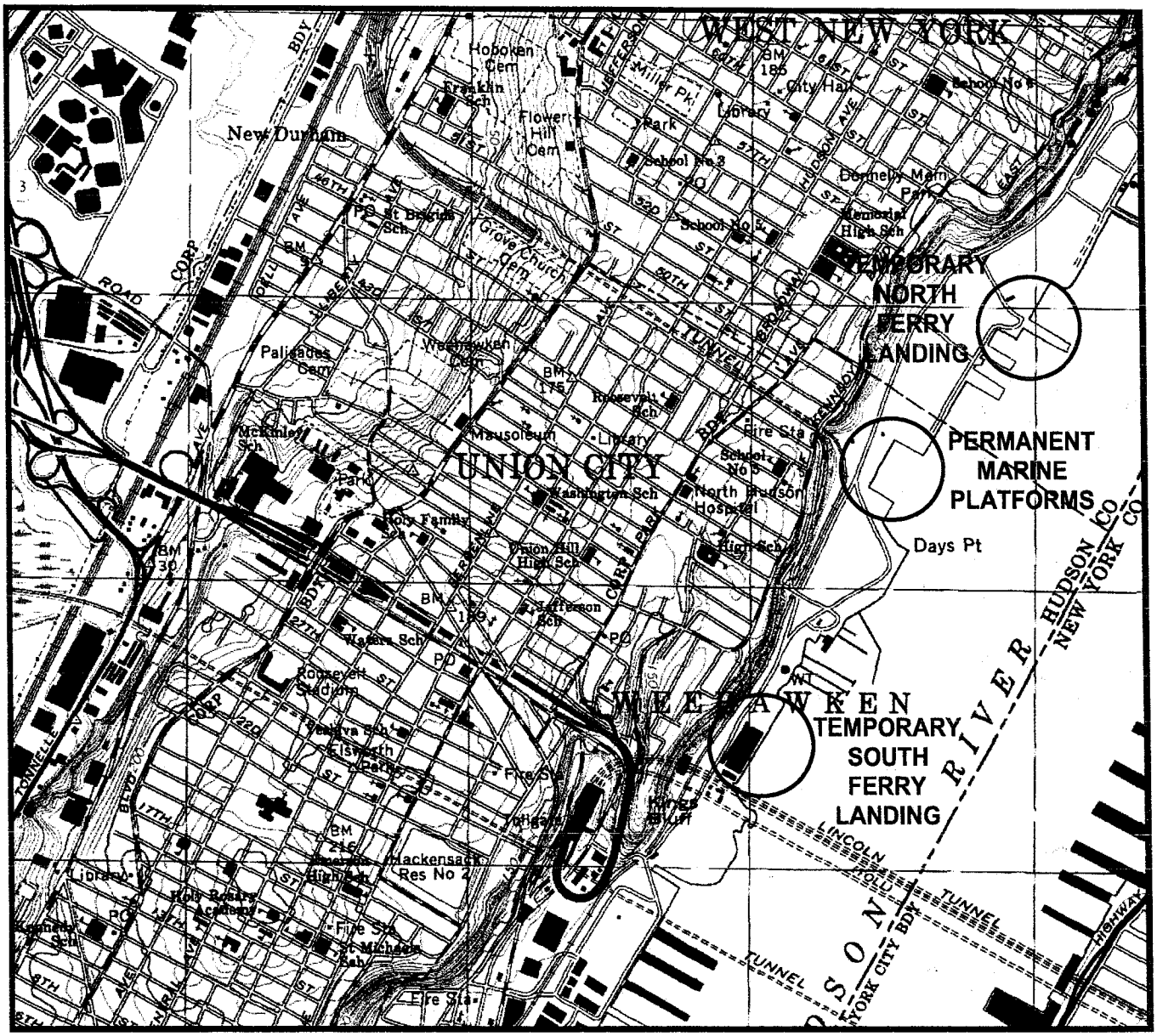
Temporary Ferry Terminals: Two temporary ferry terminals are proposed that would consist of floating barges positioned to float above the river sediment. One ferry terminal is proposed to be installed 4,000 feet south of the existing PIIFT, and the other would be installed approximately 1,000 feet north of the PIIFT. The installation of the southern temporary ferry terminal would consist of three 8-foot wide by 50-foot long gangways leading to a 42-foot wide by 345-foot long floating landing barge. This temporary ferry terminal would be approximately 490 feet from the Hudson River Federal Navigation Channel. The installation to the northern temporary ferry terminal would consist of three 8-foot wide by 50-foot long gangways leading to a 40-foot wide by 290-foot long floating barge, two 6-foot wide by 50-foot long gangways leading to a 50-foot wide by 150-foot long barge, and three 8-foot wide by 70-foot long gangways leading to an additional 50-foot wide by 150-foot long floating barge. The northern temporary ferry terminal would be approximately 96 feet from the Hudson River Federal Navigation Channel. The temporary barges are designed to float above the river bottom, and spud piles and fender piles would be installed to support and buffer each barge. The floating barges would be ballasted to allow 7 feet of freeboard for bow loading vessels, and each terminal platform would include a metal and wood walkway on top of the barges to provide a 20 foot wide walking surface with an associated handrail. Both temporary ferry terminals would accommodate four vessels.

Compensatory Mitigation: The applicant proposes to purchase 0.092 mitigation credits from a federally approved wetland mitigation bank located in the Hackensack Meadowlands District, to compensate for the 4,051 square foot (0.092 acres) of permanent impacts to the "The Crescent" shaped wetland area.

The applicant has stated that they have avoided, minimized, and mitigated for aquatic impacts associated with the proposed project to the maximum extent practicable. Most of the aquatic impacts associated with this project are temporary and would be offset by implementing best management practices to minimize impacts. Since the construction of the Port Imperial Intermodal Ferry Terminal within Weehawken Cove has become an active ferry terminal site, with continual vessel movement; all impacts have been assessed from this perspective. The dredging and in-water construction activities would occur outside of the January 1 through May 31 conservation restriction to minimize impacts to winter flounder. The platforms would be constructed primarily from land-based operations, and the construction of the two permanent platforms would include of eight fenced-in deck openings to increase light penetration to the river sediment below, thus maximizing daylight for fish habitat and allowing shallow water habitat to be maintained to the greatest extent practicable.

The applicant has stated that the effects of shading which may affect the ability of fish species to feed have been minimized through the use of openings that have been incorporated into the design of the platforms and which would allow sunlight to enter beneath the platforms. This project would provide both inter-pier habitat and vertical structures to the aquatic environment. The water-dependent uses employed for ferry mass transit and emergency evacuation combined with temporary Formula 1 use, as a shared facility, reduces the need for additional for structures in the water.

The stated purpose of this project is to provide berthing for a maximum of eight ferry vessels adjacent to the existing/ New York Waterway leased Port Imperial Intermodal Ferry Terminal; create additional mass-transit related public open space adjacent to the Hudson River; create sufficient space to erect temporary grandstands for approximately 10,000 spectators for the annual Grand Prix of America (Formula 1) at Port Imperial. A major added benefit of the project would be to provide high volume ferry transfer capacity in the event of a large scale emergency in New York City or pointes accessible to the Hudson River.



LOCATION MAP

N

0 1000 2000 3000 4000

SCALE: 1"=2000'

SOURCE: USGS QUADRANGLE MAP
WEEHAWKEN, NJ-NY

PROJECT LOCATION:
NORTH(Y): 708265; EAST(X): 627545

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

LOCATION MAP

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 1000 2000 3000 4000

SCALE: 1"=2000'

SHT 1 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-1 LOCATIONS.dwg PLOT TIME: Wed, 17 Jul 2013 - 1:57pm LAST SAVE: Wed, 17 Jul 2013 - 1:52pm BY: WChung

	STATION ID 8518750, THE BATTERY, EPOCH 1983-2001		NAVD88		MLW
HURRICANE SANDY 2012-10-30 HOWL	17.33		11.26		13.84
MHHW	8.34		2.27		4.85
MHW	8.02		1.95		4.53
NAVD 88	6.07		0.00		2.58
STATION DATUM	0.00		-6.07		-3.49
MLW	3.49		-2.58		0.00
MLLW	3.29		-2.78		-0.20
LOWL	-1.00		-7.07		-4.49

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

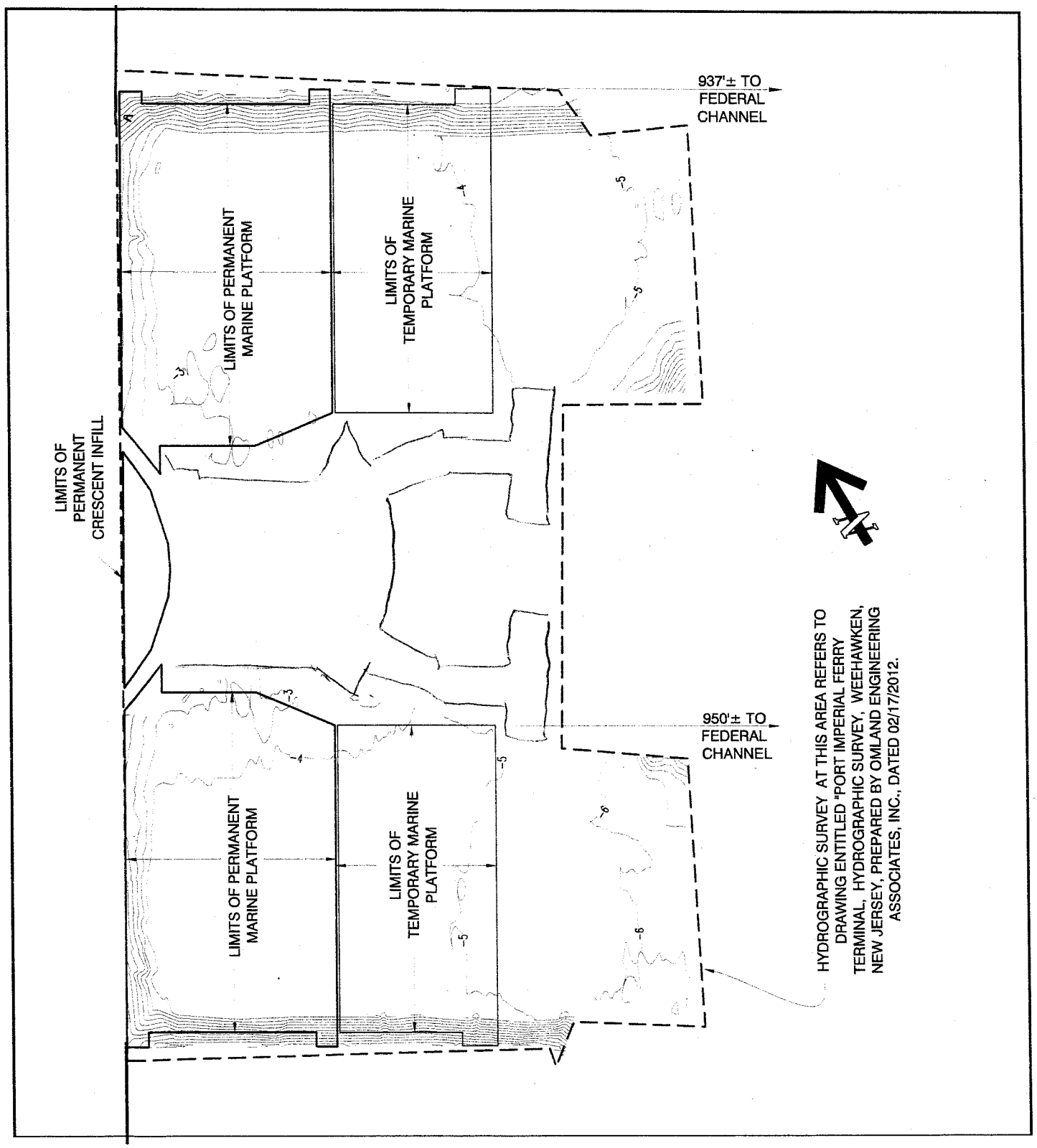
AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

DATUM TABLE

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

SHT 2 OF 23 07/17/13



PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

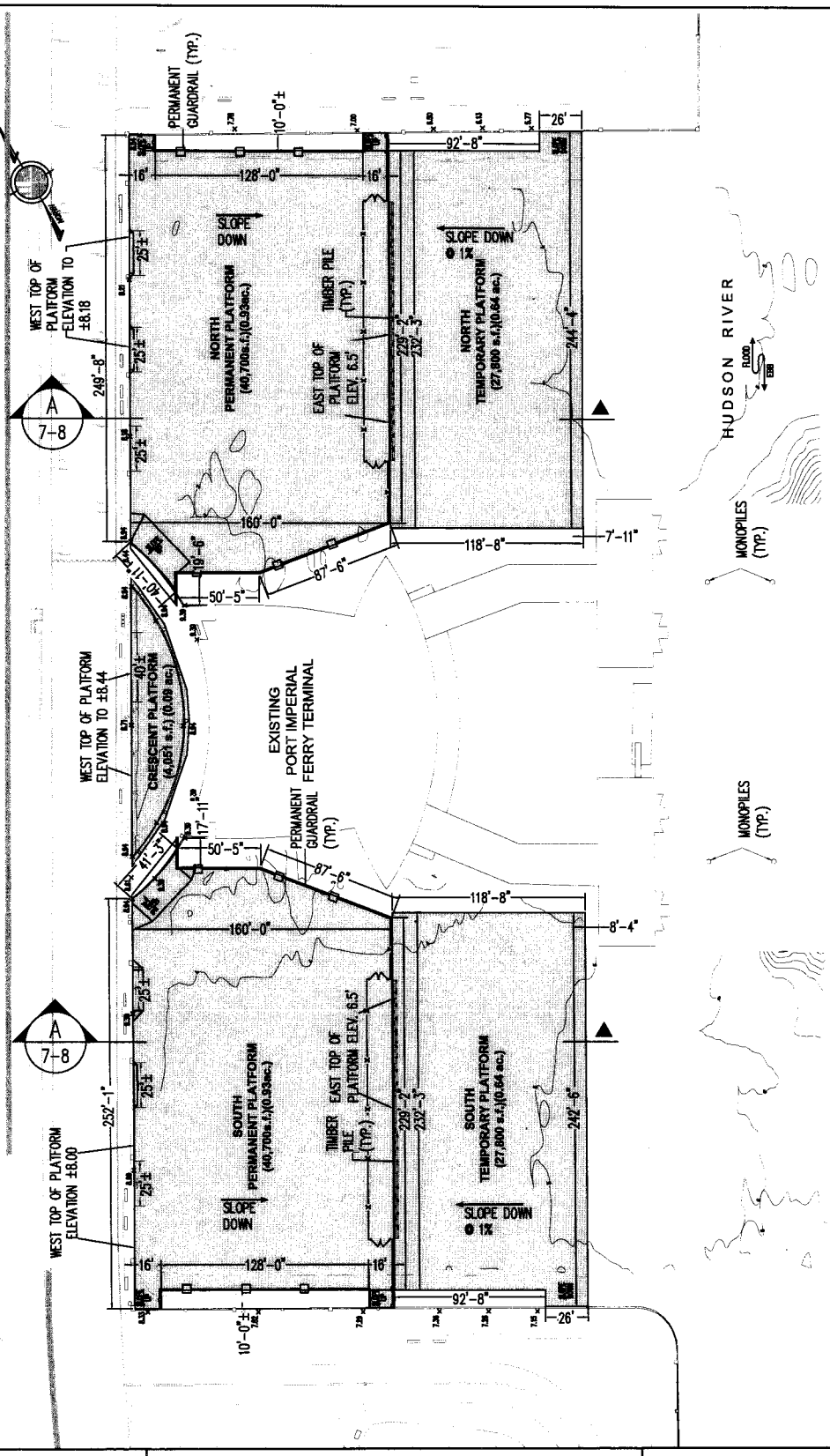
ENGINEER: McLAREN ENGINEERING GROUP

HYDROGRAPHIC SURVEY OVERALL PLAN

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 50 100 150 200
SCALE: 1" = 100'

SHT 3 OF 23 07/17/13



PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

PLATFORM PLAN (TEMPORARY PLATFORM)

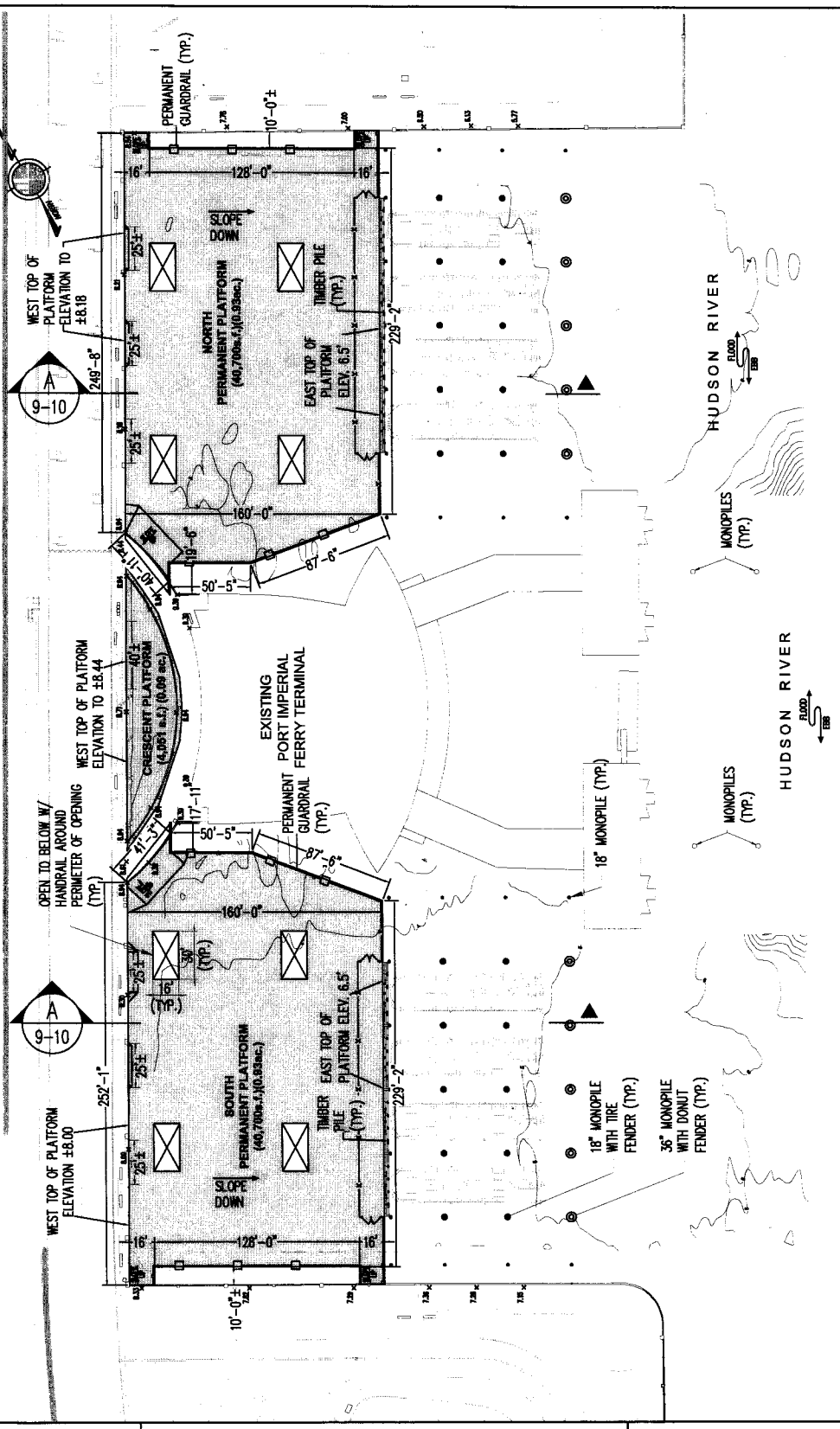
IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 50 100 150 200

SCALE: 1" = 100'

SHT 4 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-6,7,8,9 PLATFORM PLAN TEMP PLAT.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 16 Jul 2013 - 5:56pm BY: WChung



PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

PLATFORM PLAN (BERTHING)

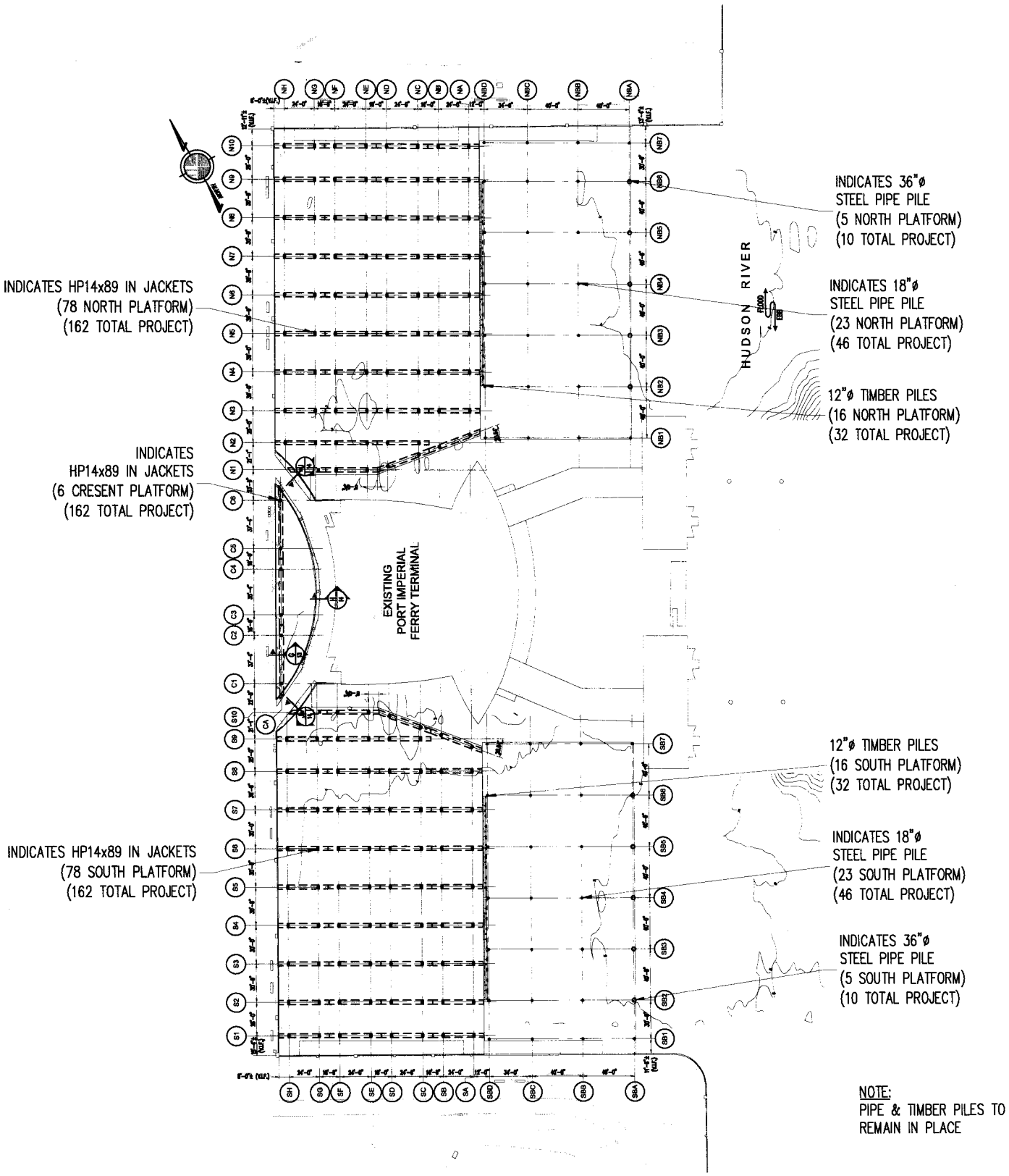
IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 50 100 150 200

SCALE: 1" = 100'

SHT 5 OF 23 07/17/13

FILE NAME: P:\Proj\20\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-6,7,8,9 PLATFORM PLAN TEMP PLAT.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 16 Jul 2013 - 5:56pm BY: WChung



PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

PILE PLAN

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

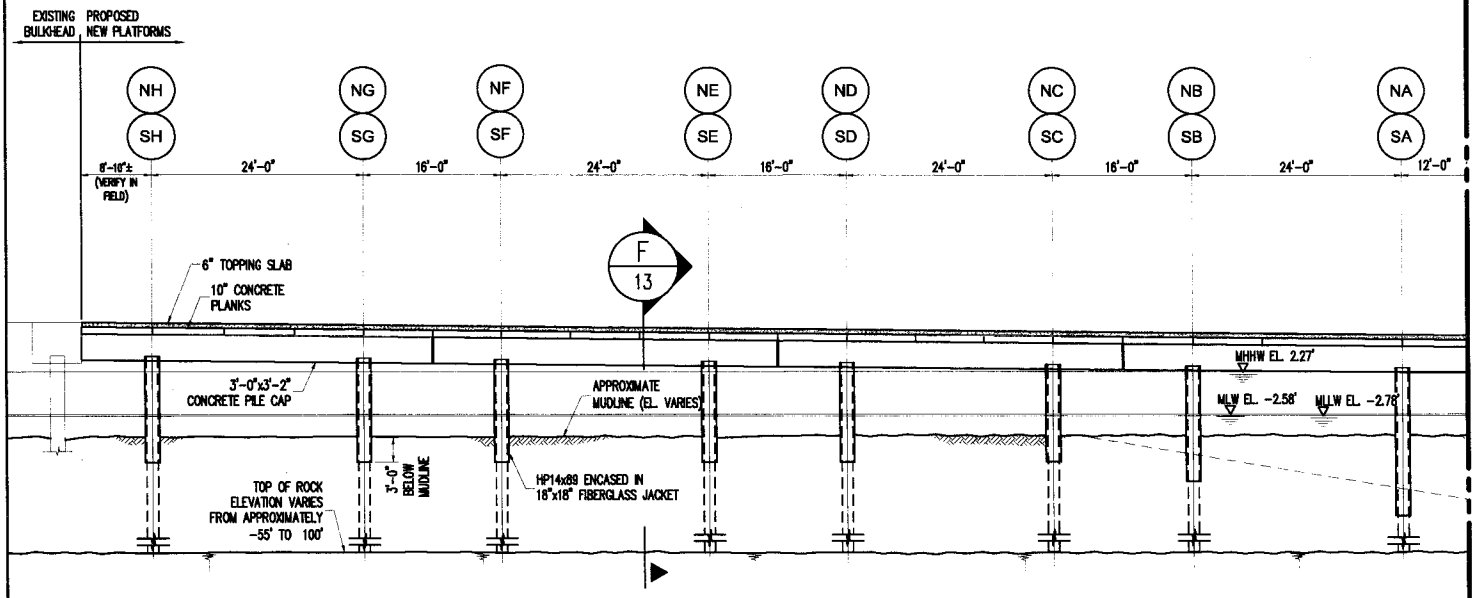
0 20 40 60 80

SCALE: 1" = 40'

SHT 6 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-10,11,12 PILE CAP PLAN.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 16 Jul 2013 - 3:03pm BY: WChung

MATCHLINE



MATCHLINE

A / 7 **CROSS SECTION**

3/64"=1'-0"

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

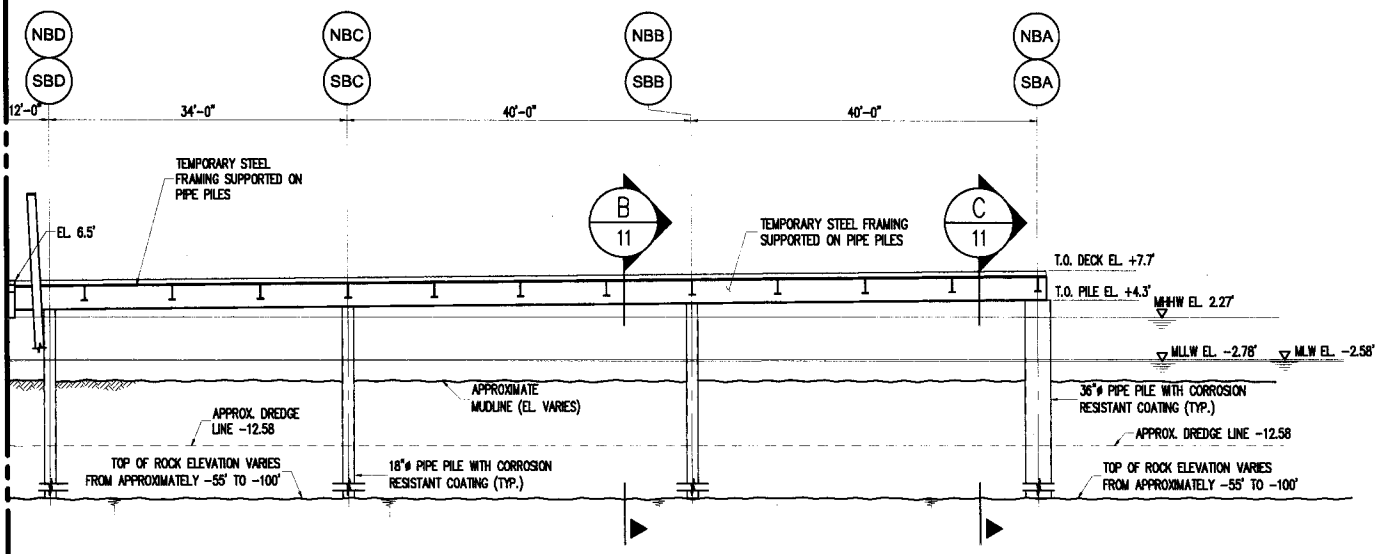
PROPOSED SECTION
(TEMPORARY PLATFORM)

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

SHT 7 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-13,14,15,16 PROPOSED SECTION.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 16 Jul 2013 - 11:56am BY: WChung

MATCHLINE



MATCHLINE

A/8 CROSS SECTION

3/64"=1'-0"

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

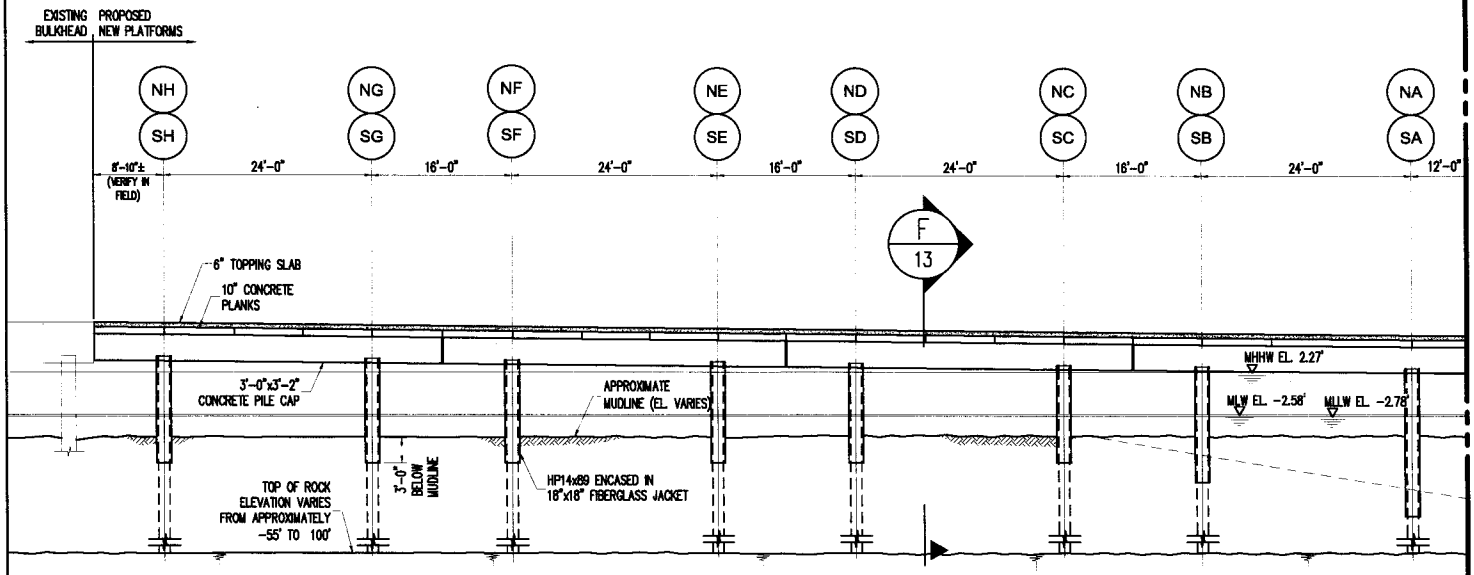
PROPOSED SECTION
(TEMPORARY PLATFORM)

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

SHT 8 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-13,14,15,16 PROPOSED SECTION.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 16 Jul 2013 - 11:56am BY: WChung

MATCHLINE



MATCHLINE

A / 9 **CROSS SECTION**

3/64"=1'-0"

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

PROPOSED SECTION (BERTHING)

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

SHT 9 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-13,14,15,16 PROPOSED SECTION.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 16 Jul 2013 - 11:56am BY: WChung

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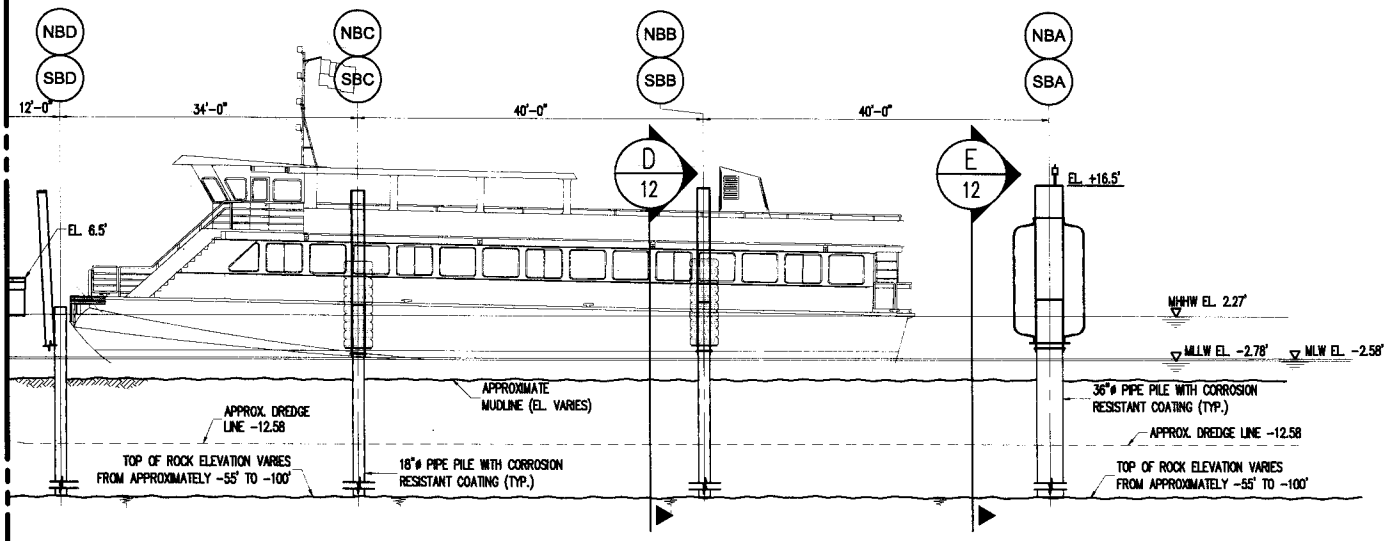


MATCHLINE

A/10 CROSS SECTION

3/64"=1'-0"

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

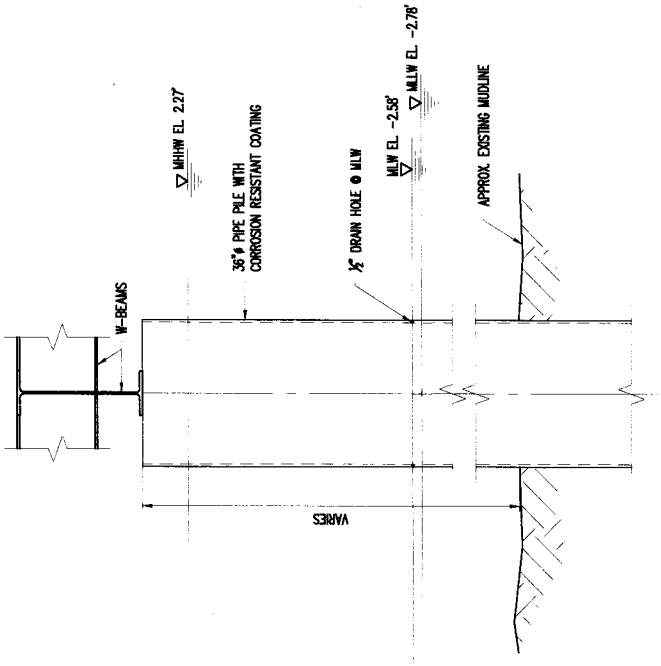
ENGINEER: McLAREN ENGINEERING GROUP

PROPOSED SECTION (BERTHING)

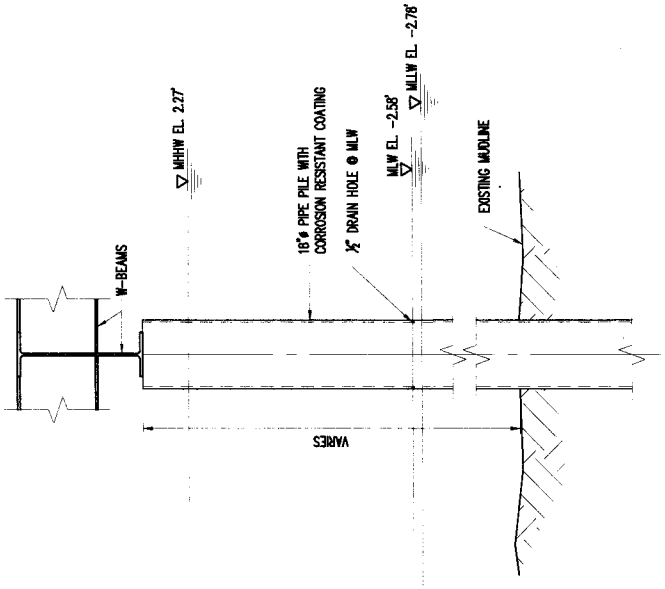
IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

SHT 10 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-13,14,15,16 PROPOSED SECTION.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 16 Jul 2013 - 11:56am BY: WChung



C 11 **36"ø PIPE PILE DETAIL** 1/4" = 1'-0"



B 11 **18"ø STEEL PIPE PILE DETAIL** 1/4" = 1'-0"

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

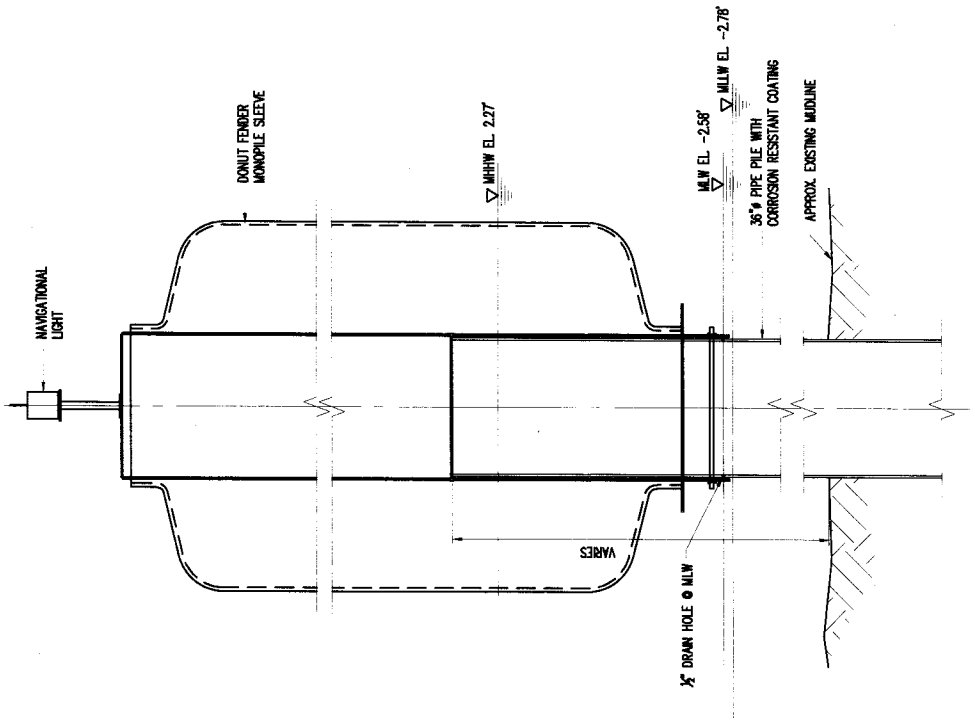
BERTHING PIPE PILES

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

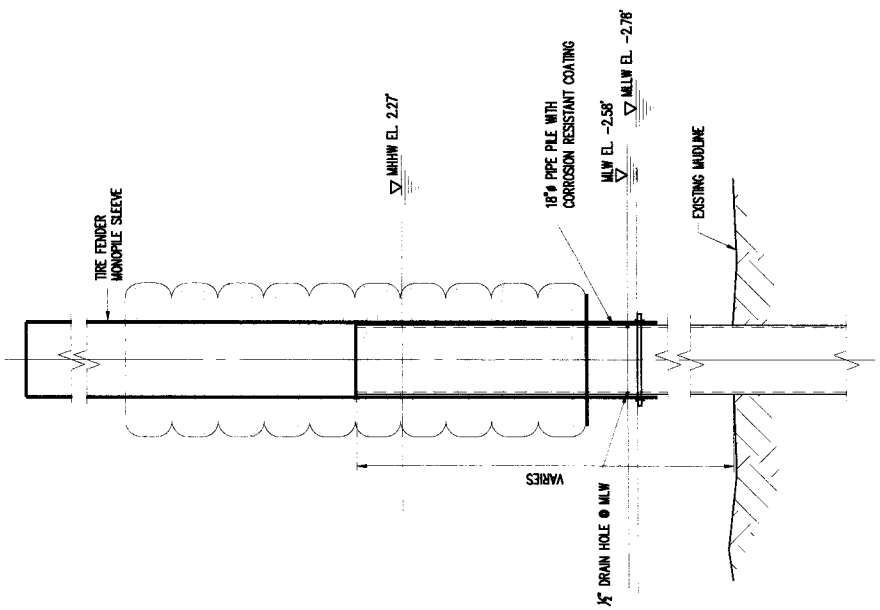
0

SHT 11 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG 17 DETAIL.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 02 Jul 2013 - 4:17pm BY: WChung



E 12 **36"ø PIPE PILE DETAIL WITH DONUT FENDER**
3/8" = 1'-0"



D 12 **18"ø PIPE PILE DETAIL**
3/8" = 1'-0"

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

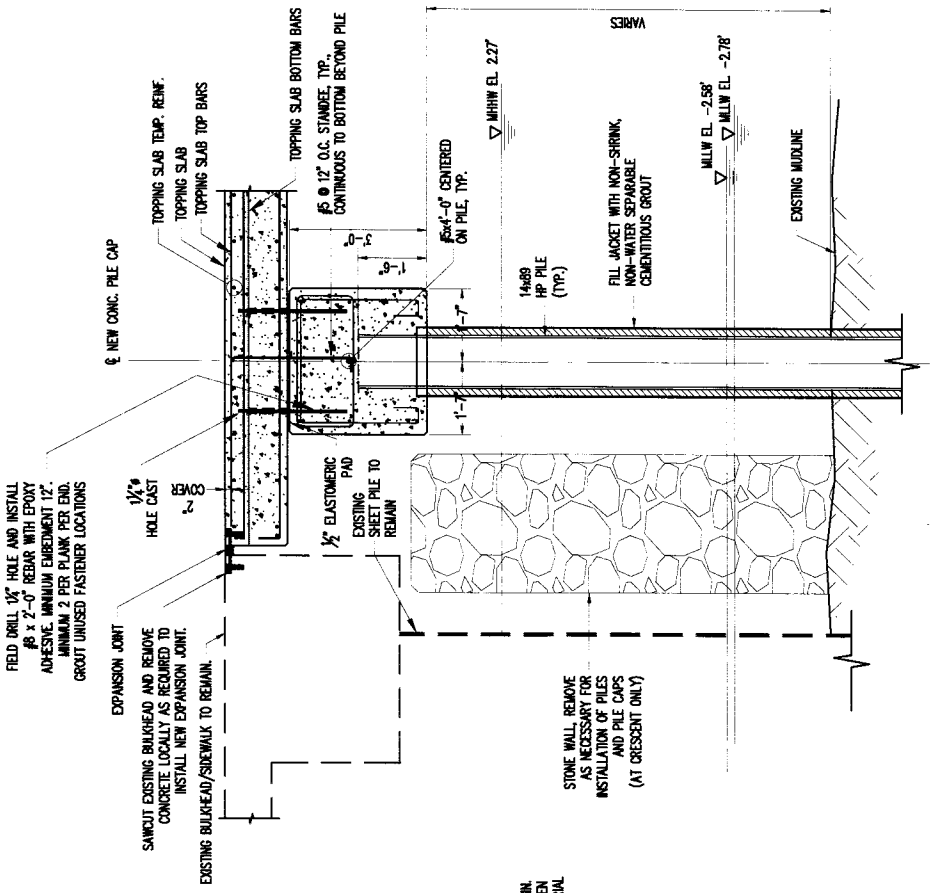
BERTHING PIPE PILES

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

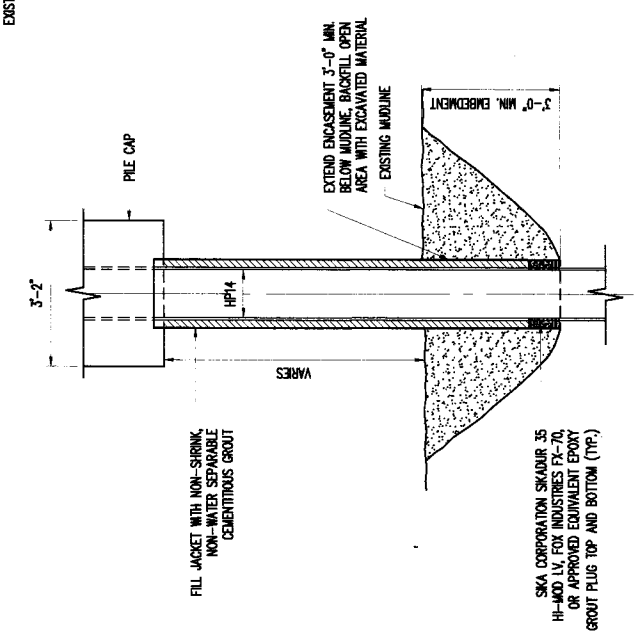
0

SHT 12 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG 17 DETAIL.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:01pm LAST SAVE: Tue, 02 Jul 2013 - 4:17pm BY: WChung



G 13 SECTION 1/4" = 1'-0"



F 13 SECTION 1/4" = 1'-0"

PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

SECTIONS

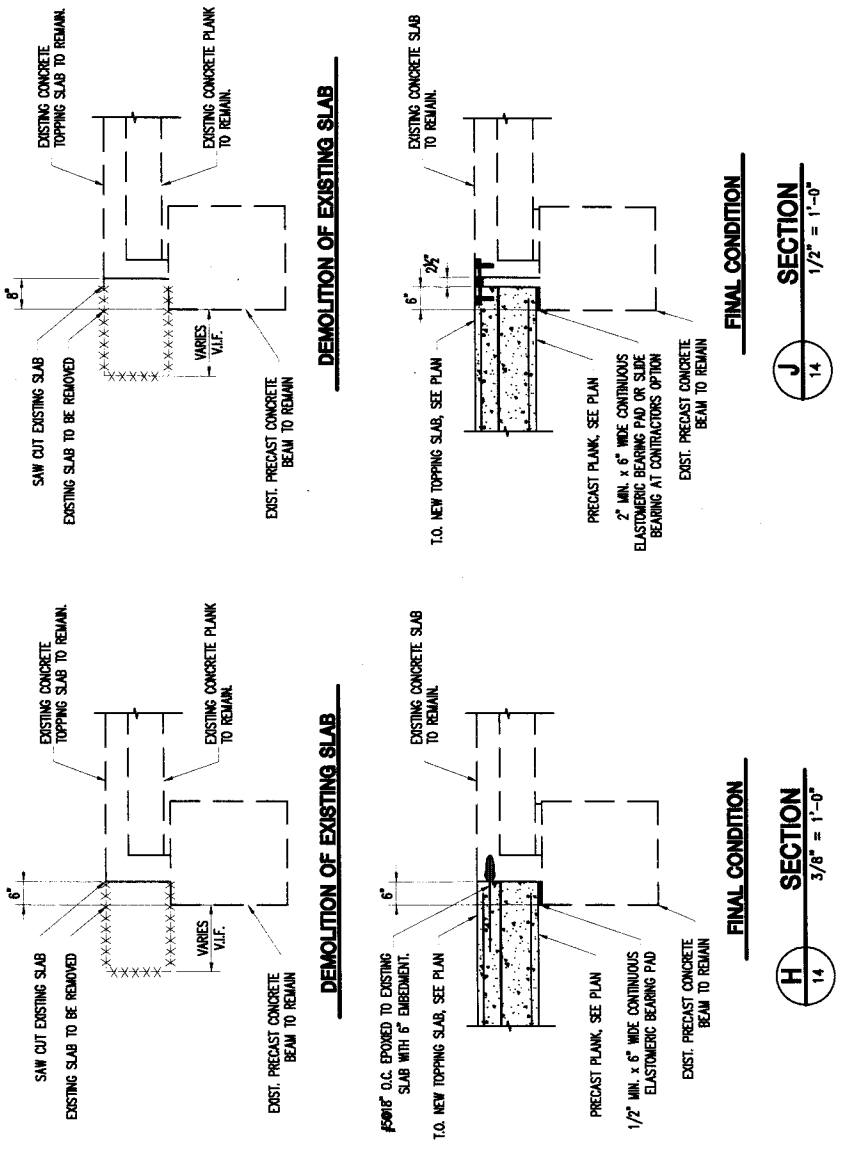
IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 16 32 48 64

SCALE: 3/8"=1'-0"

SHT 13 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG 18,19,20 PERMANENT PIPE PILE DETAL.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:02pm LAST SAVE: Wed, 03 Jul 2013 - 4:11pm BY: WChung



PURPOSE: NEW EXPANDED DOCKING SLIPS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

SECTIONS

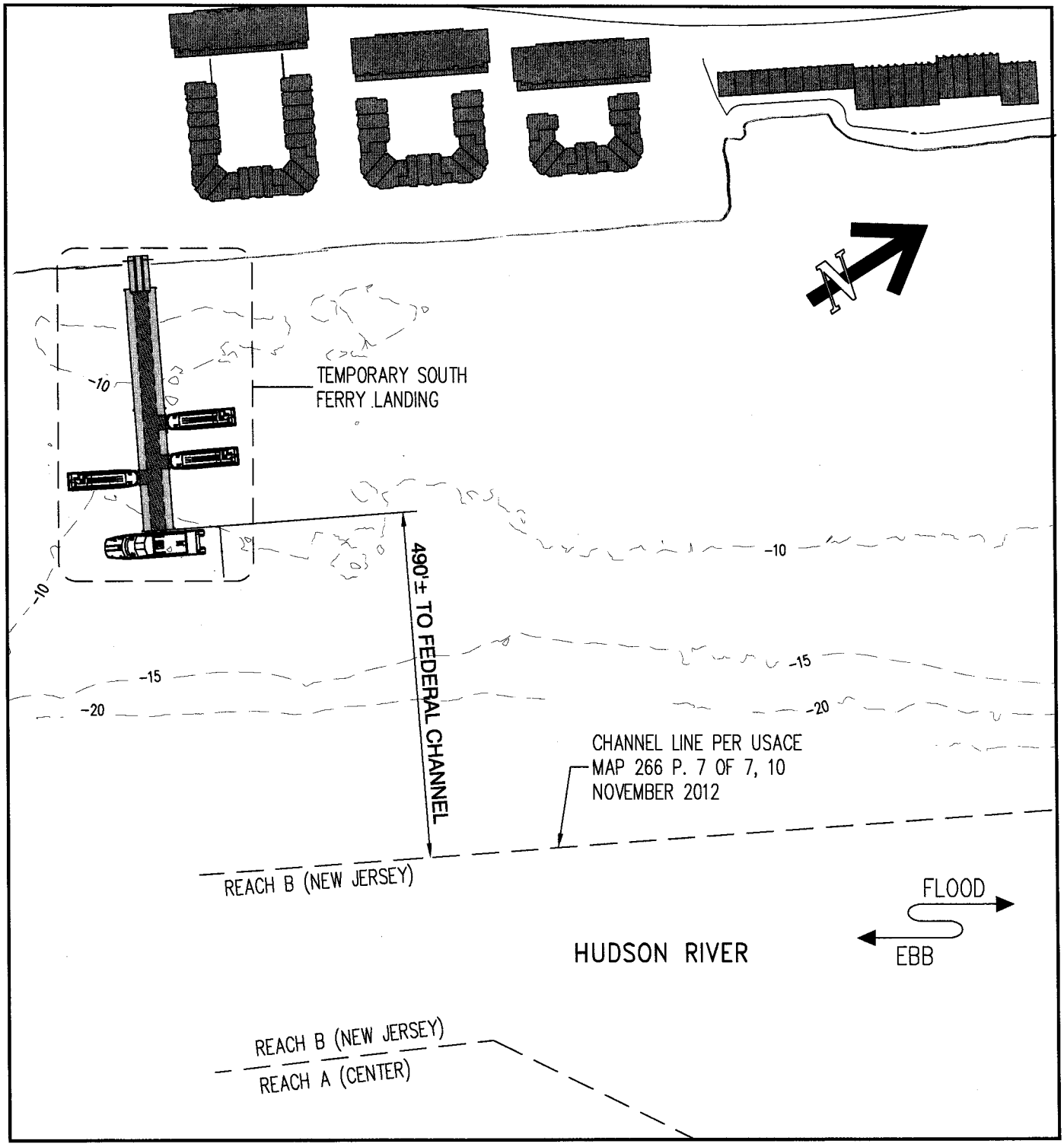
IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 16 32 48 64

SCALE: 3/8"=1'-0"

SHT 14 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG 18,19,20 PERMANENT PIPE PILE DETAL.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:02pm LAST SAVE: Wed, 03 Jul 2013 - 4:11pm BY: WChung



TEMPORARY SOUTH FERRY LANDING LOCATION PLAN

1" = 200'

PURPOSE: TEMPORARY FERRY LANDINGS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E.,
OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

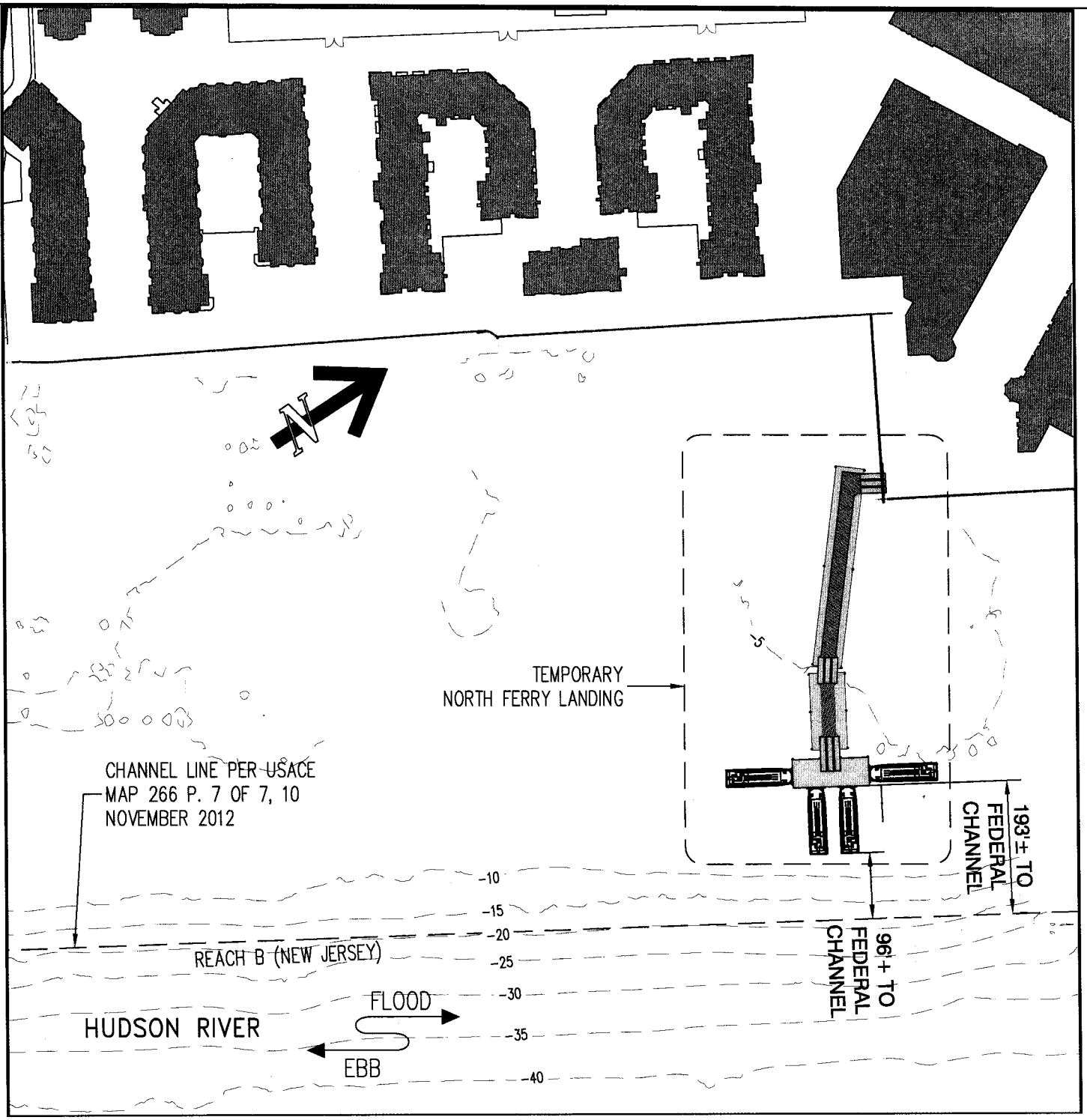
TEMPORARY SOUTH FERRY
LANDING LOCATION PLAN

IN: HUDSON RIVER
AT: PORT IMPERIAL
FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 100 200 300 400
1" = 200'

SHT 15 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-22,23,24,25,26 FERRY TERMINALS.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:07pm LAST SAVE: Wed, 17 Jul 2013 - 11:27am BY: WChung



TEMPORARY NORTH FERRY LANDING LOCATION PLAN

1" = 200'

PURPOSE: TEMPORARY FERRY LANDINGS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

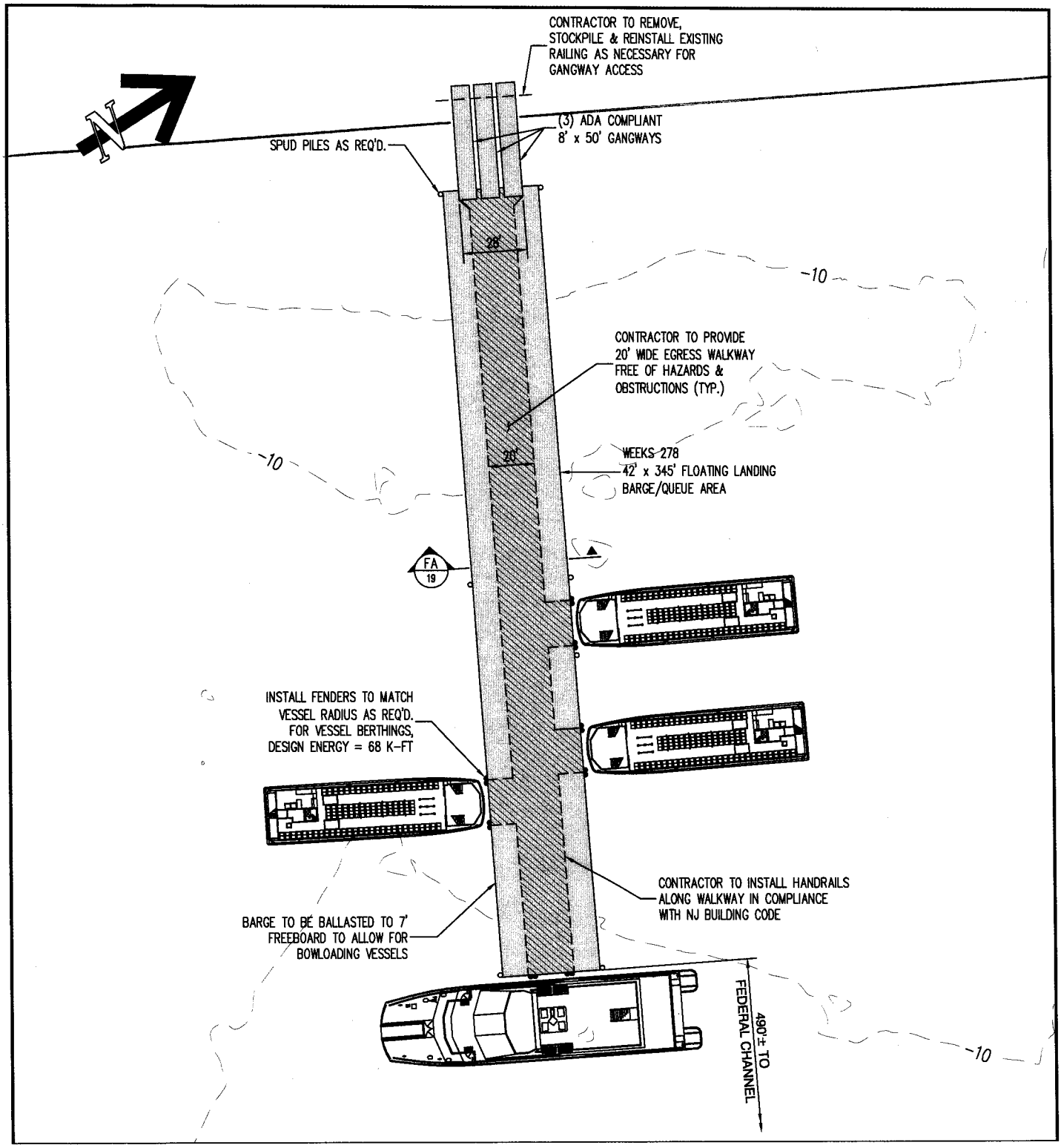
TEMPORARY NORTH FERRY LANDING LOCATION PLAN

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 100 200 300 400
1" = 200'

SHT 16 OF 43 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-22,23,24,25,26 FERRY TERMINALS.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:13pm LAST SAVE: Wed, 17 Jul 2013 - 11:27am BY: WChung



TEMPORARY SOUTH FERRY LANDING

1"=60'

PURPOSE: TEMPORARY FERRY LANDINGS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

TEMPORARY SOUTH FERRY LANDING

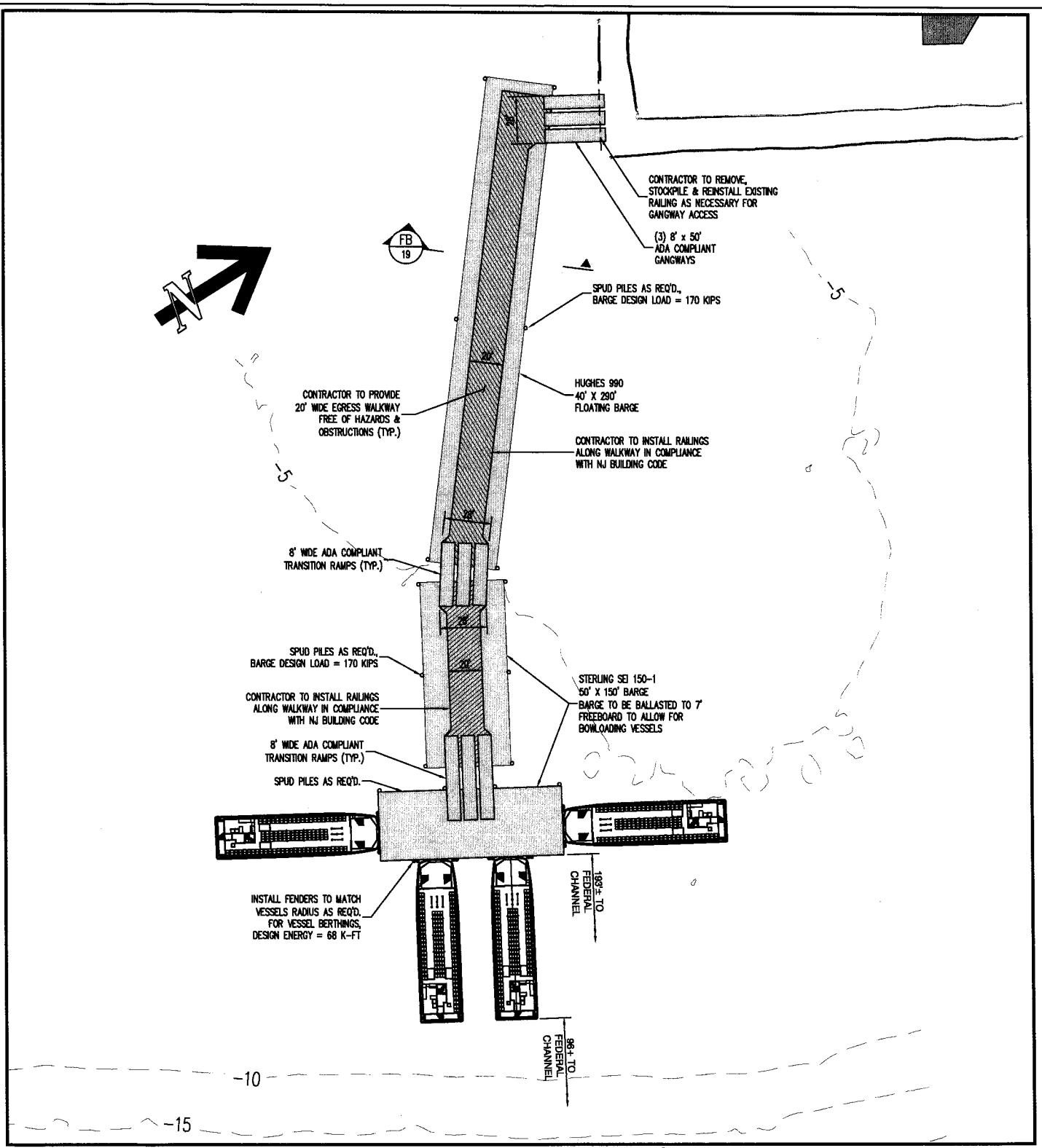
IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 30 60 90 120

SCALE: 1"=60'

SHT 17 OF 23 07/17/13

FILE NAME: P:\Proj120\120048.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-22,23,24,25,26 FERRY TERMINALS.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:17pm LAST SAVE: Wed, 17 Jul 2013 - 11:27am BY: WChung



TEMPORARY NORTH FERRY LANDING

1"=80'

PURPOSE: TEMPORARY FERRY LANDINGS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

TEMPORARY NORTH FERRY LANDING

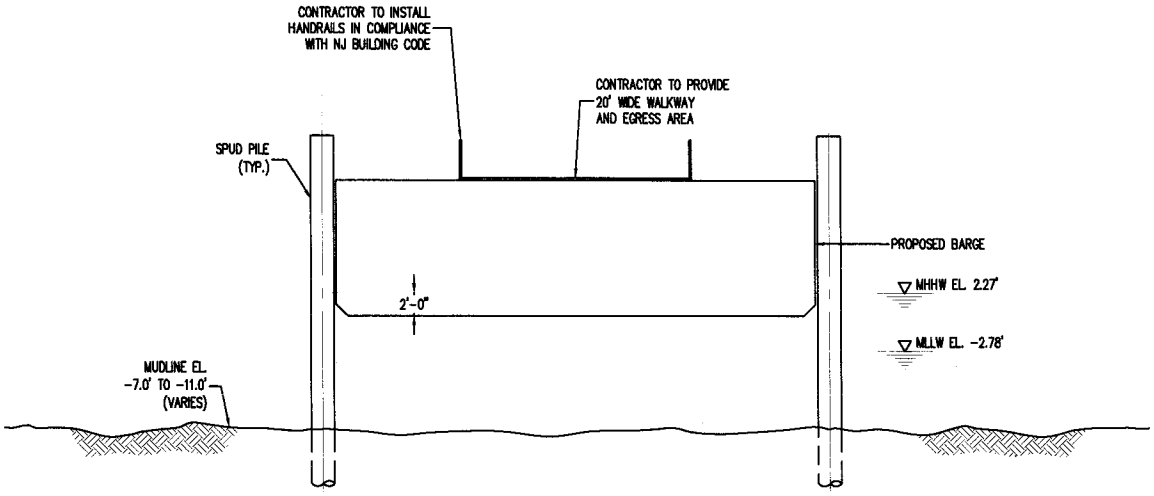
IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

0 40 80 120 160

SCALE: 1"=80'

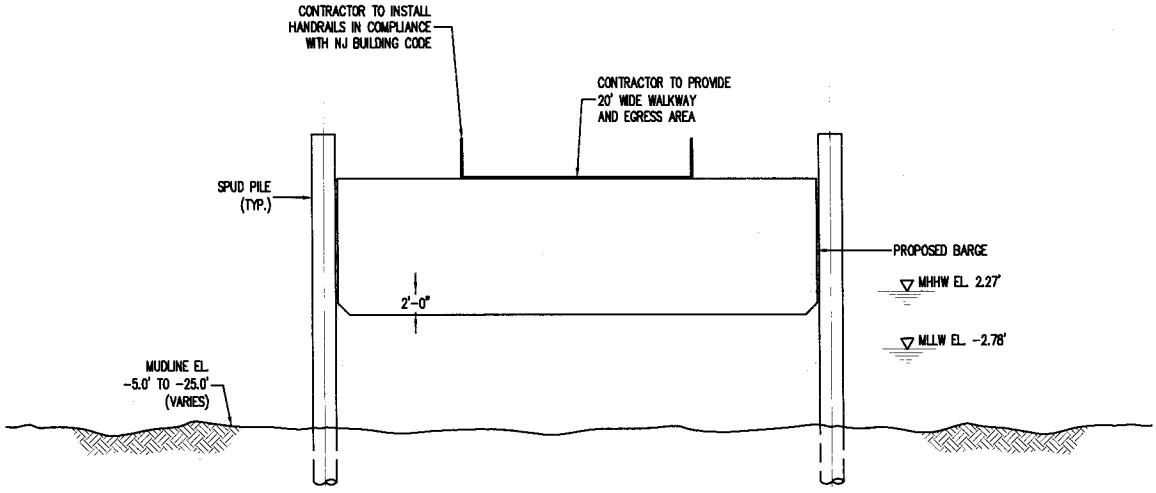
SHT 18 OF 23 07/17/13

FILE NAME: P:\Proj120\120049.03\10_Dwgs\CADD\NYWW Marine Platform\ACOE PERMIT CONSOLIDATED\FIG-22,23,24,25,26 FERRY TERMINALS.dwg PLOT TIME: Wed, 17 Jul 2013 - 2:21pm LAST SAVE: Wed, 17 Jul 2013 - 11:27am BY: WChung



FA/20 SECTION AT TEMPORARY SOUTH FERRY LANDING

1/16"=1'-0"



FB/20 SECTION AT TEMPORARY NORTH FERRY LANDING

1/16"=1'-0"

PURPOSE: TEMPORARY FERRY LANDINGS

DATUM: NAVD 88

ADJACENT OWNERS:
1. SEE SECTION 2.0

PORT IMPERIAL
WATER AREA CONSTRUCTION

APPLICANT: NEW JERSEY TRANSIT

AGENT: GEOFFREY LANZA P.E., OMLAND ENGINEERING

ENGINEER: McLAREN ENGINEERING GROUP

SECTION AT TEMPORARY SOUTH FERRY LANDING

IN: HUDSON RIVER
AT: PORT IMPERIAL FERRY TERMINAL
COUNTY OF: HUDSON STATE: NJ

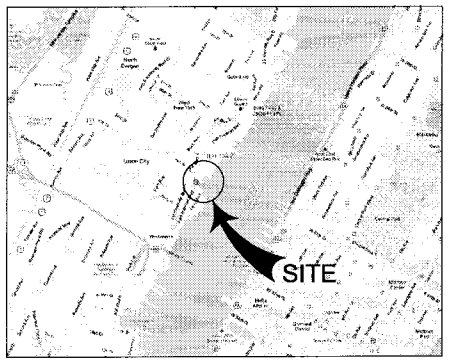
0 64 128 192 256

SCALE: 3/32"=1'-0"

SHT 19 OF 23 07/17/13

PORT IMPERIAL FERRY TERMINAL DREDGING FOR MAINTENANCE AND EXPANDED DOCK SLIP

WEEHAWKEN, NEW JERSEY



LOCATION MAP

VICINITY MAP

DRAWING LIST

● INDICATES DRAWING ISSUED
D INDICATES DRAWING DELETED

RE-ISSUED	ISSUED	ISSUED FOR		
7/25/13	6/4/13	DATE		
●	●	T-1	COVER SHEET	
●	●	S-1	2013 HYDROGRAPHIC SURVEY	
D	●	S-2A	PROPOSED MAINTENANCE DREDGING PLAN "1"	
●	●	S-2B	PROPOSED DREDGING PLAN MAINTENANCE AREA "1" AND EXPANDED DOCK SLIP AREA "2"	
●	●	X-1	PROPOSED DREDGE SECTIONS	

Sheet 20 of 23

No. | DESCRIPTION | DATE

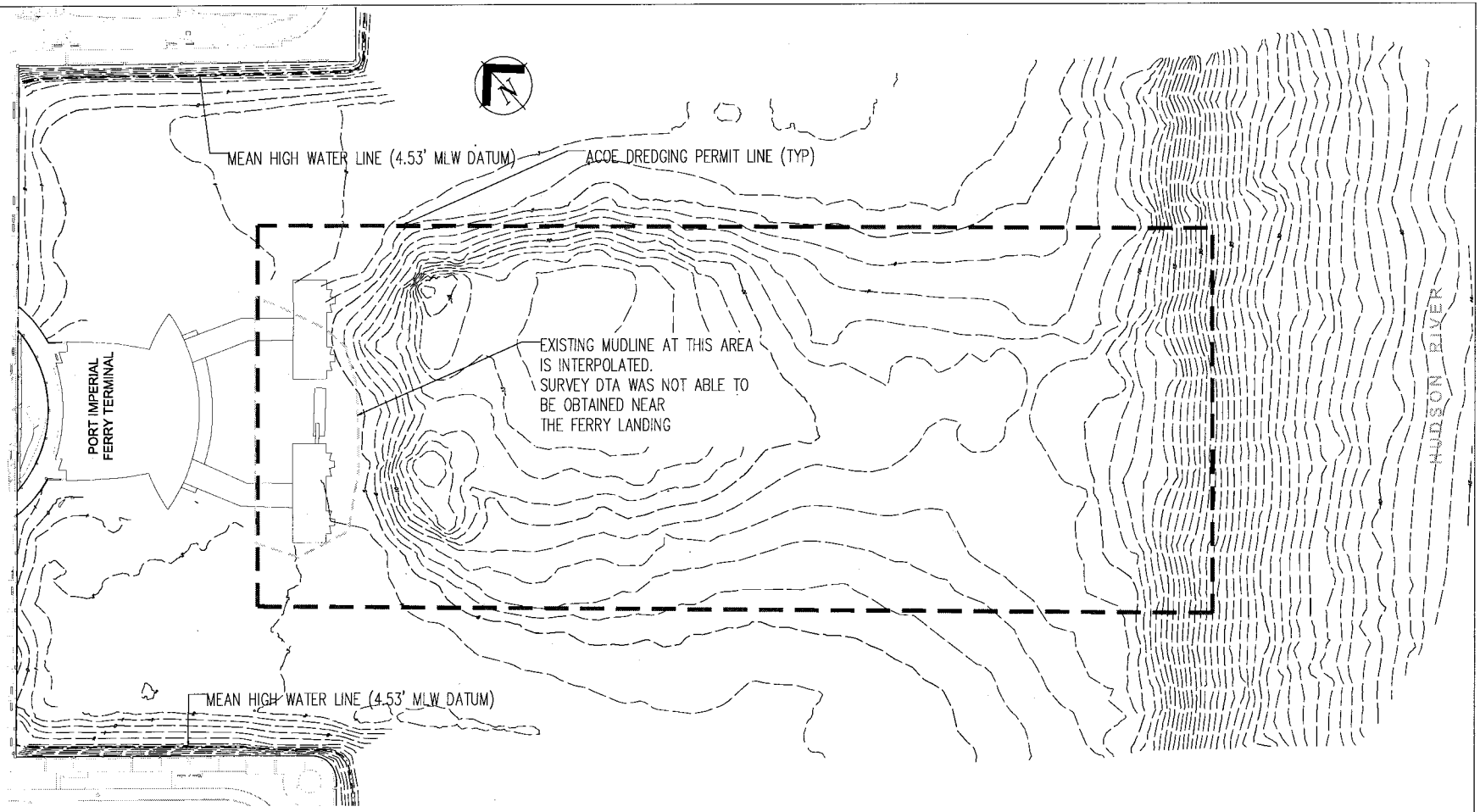
Hatch Mott MacDonald
Certificate No. 24GA28016600
PROJECT # 320445

STATE OF NEW JERSEY
JOSEPH J. KOEHLER
N.J. LIC. NO. 33876
Date:

NJ TRANSIT
CAPITAL PLANNING AND PROGRAMS
One Penn Plaza East Newark, NJ 07105

Project: PORT IMPERIAL FERRY TERMINAL
DREDGING FOR MAINTENANCE AND EXPANDED DOCK SLIP
WEEHAWKEN, NEW JERSEY
COVER SHEET

Scale:
Date: JULY 25, 2013
Des. JPV
Dwn. JPV
Chkd. JJK
Drawing: T-1
Sheet 1 of 4



HURRICANE SANDY 2012-10-30	STATION ID 8518750, THE BATTERY, EPOCH 1983-2001	NAVD88	MLW
HOWL	17.33	11.26	13.84
MHHW	8.34	2.27	4.85
MHW	8.02	1.95	4.53
NAVD 88	6.07	0.00	2.58
STATION DATUM	0.00	-6.07	-3.49
MLW	3.49	-2.58	0.00
MLLW	3.29	-2.78	-0.20
LOWL	-1.00	-7.07	-4.49

LEGEND

CONTOUR LINE

INDEX CONTOUR LINE

50' 25' 0 50' 100' FEET

SCALE: 1" = 50'

NOTES:

1. LANDMETRICS ENGINEERING AND LAND SURVEYING P.C., PERFORMED THE HYDROGRAPHIC SURVEY ON 02-14-2013 USING A JON BOAT, EQUIPPED WITH TRIMBLE GEO XT DIFFERENTIAL GLOBAL POSITIONING SATELLITE SYSTEM AND OHMEX SONARMITE 200KHZ ECHO SOUNDER.
2. ELEVATIONS ALONG SHORELINE AND FACE OF SEAWALL WERE ESTABLISHED ON 02-20-2013 USING A RTK GPS UNIT.
3. ELEVATIONS REFER TO MEAN LOW WATER.
4. DRAWING INFORMATION PROVIDED BY McLAREN ENGINEERING GROUP ON 5-20-2013.

No.	DESCRIPTION	DATE
SUBMISSIONS		

Hatch Mott MacDonald
Certificate No. 24GA28016600
PROJECT # 320445

STATE OF NEW JERSEY
JOSEPH J. KOEHLER
N.J. LIC. NO. 33876
Date

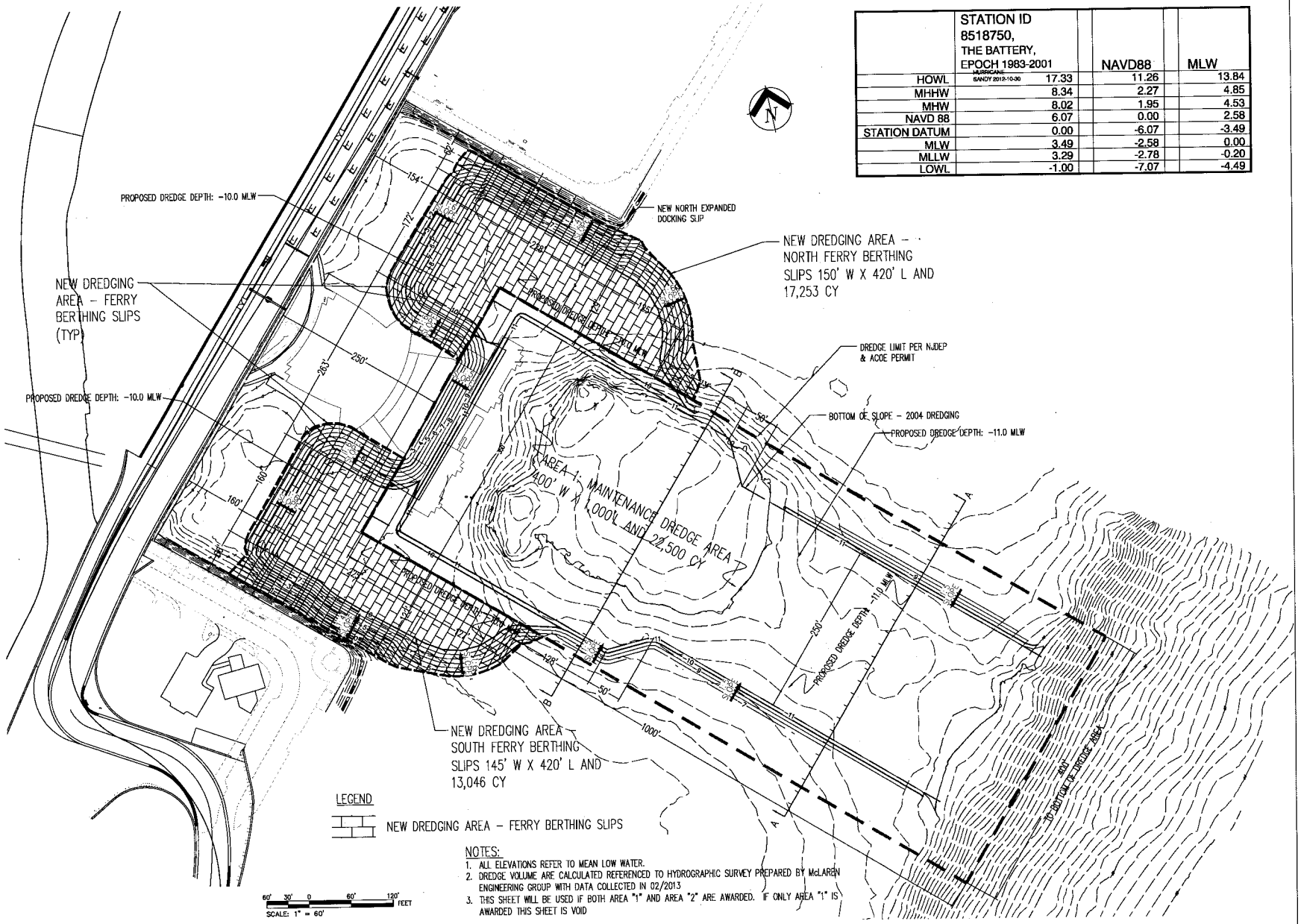
NJ TRANSIT
NEW JERSEY TRANSIT CORPORATION
ONE PENN PLAZA EAST NEWARK, NJ 07105

Project: PORT IMPERIAL FERRY TERMINAL
DREDGING FOR MAINTENANCE AND EXPANDED DOCK SLIP
WEEHAWKEN, NEW JERSEY
2013 HYDROGRAPHIC SURVEY

Scale	1"=50'
Date	JULY 25, 2013
Des.	JPV
Dwn.	JPV
Chkd.	JJK

Drawing S-1
Sheet 2 of 4

Sheet 21 of 23



	STATION ID 8518750, THE BATTERY, EPOCH 1983-2001	NAVD88	MLW
HOWL	17.33 (SANDY 2012-10-30)	11.26	13.84
MHHW	8.34	2.27	4.85
MHW	8.02	1.95	4.53
NAVD 88	6.07	0.00	2.58
STATION DATUM	0.00	-6.07	-3.49
MLW	3.49	-2.58	0.00
MLLW	3.29	-2.78	-0.20
LOWL	-1.00	-7.07	-4.49

NOTES:
1. ALL ELEVATIONS REFER TO MEAN LOW WATER.
2. DREDGE VOLUME ARE CALCULATED REFERENCED TO HYDROGRAPHIC SURVEY PREPARED BY McLAREN ENGINEERING GROUP WITH DATA COLLECTED IN 02/2013
3. THIS SHEET WILL BE USED IF BOTH AREA "1" AND AREA "2" ARE AWARDED. IF ONLY AREA "1" IS AWARDED THIS SHEET IS VOID

No.	DESCRIPTION	DATE
5		
4		
3		
2		
1		

DATE

Hatch Mott MacDonald
Certificate No. 24GA28016600
PROJECT # 320445

STATE OF NEW JERSEY
JOSEPH J. KOEHLER
N.J. LIC. NO. 33875
Date:

NJTRANSIT
CAPITAL PLANNING AND PROGRAMS
ONE HUNDRED AND FIFTY RIVERVIEW CENTER

Project
PORT IMPERIAL FERRY TERMINAL
DREDGING FOR MAINTENANCE AND EXPANDED DOCK SLIP
WEEHAWKEN, NEW JERSEY

PROPOSED DREDGING PLAN MAINTENANCE AREA "1" AND EXPANDED DOCK SLIP AREA "2"

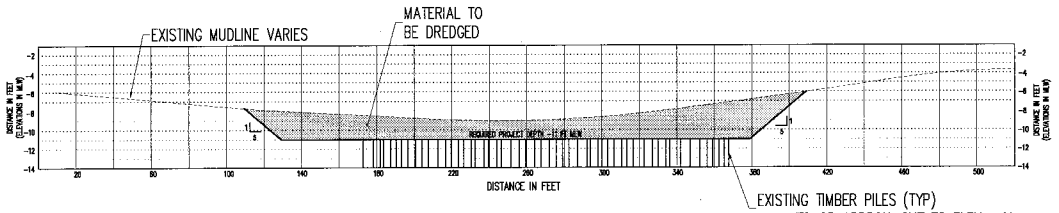
Scale	1"=60'
Date	JULY 25, 2013
Des.	JPV
Dwn.	JPV
Chkd.	JJK

Drawing S-2B
Sheet 3 of 4

Sheet 22 of 23

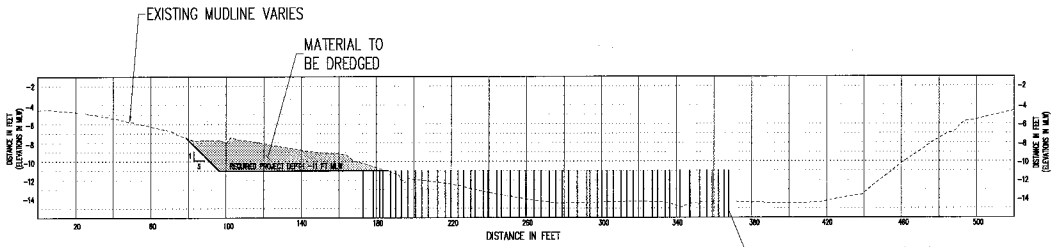
NOTES:

1. LANDMETRICS ENGINEERING AND LAND SURVEYING P.C., PERFORMED THE HYDROGRAPHIC SURVEY ON 02-14-2013 USING A JON BOAT, EQUIPPED WITH TRIMBLE GEO XT DIFFERENTIAL GLOBAL POSITIONING SATELLITE SYSTEM AND OHMEX SONARMITE 200KHZ ECHO SOUNDER.
2. ELEVATIONS ALONG SHORELINE AND FACE OF SEAWALL WERE ESTABLISHED ON 02-20-2013 USING A RTK GPS UNIT.
3. ELEVATIONS REFER TO MEAN LOW WATER.
4. DRAWING INFORMATION PROVIDED BY McLAREN ENGINEERING GROUP ON 5-20-2013.
5. SCALE IS ONLY VALID ON 24" X 36" SHEETS



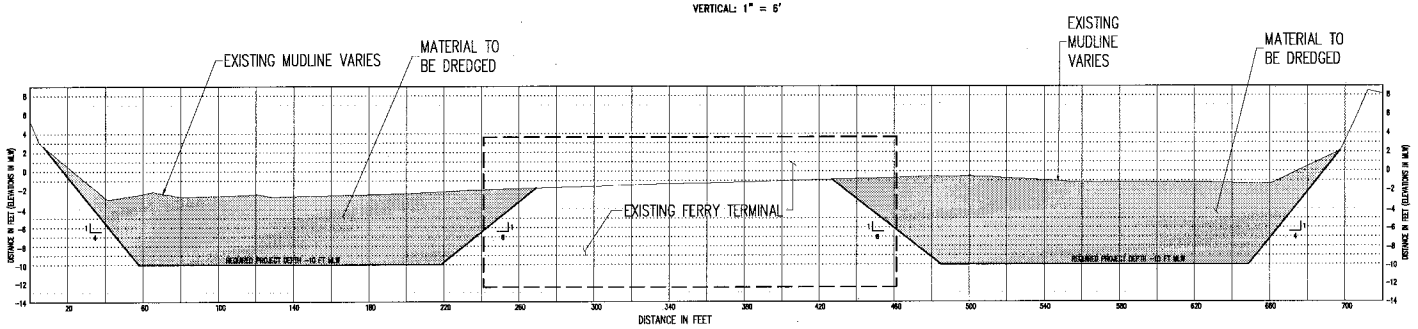
SECTION A – A
MAINTENANCE DREDGE SECTION AREA 1

HORIZONTAL: 1" = 30'
VERTICAL: 1" = 6'



SECTION B – B
MAINTENANCE DREDGE SECTION AREA 1

HORIZONTAL: 1" = 30'
VERTICAL: 1" = 6'



SECTION C – C
SECTION THROUGH EXPANDED DOCKING SLIPS AREA 2

HORIZONTAL: 1" = 30'
VERTICAL: 1" = 6'

No.	DESCRIPTION	DATE
5	SUBMISSION	

DATE

Hatch Mott MacDonald
Certificate No. 24GA28016600
PROJECT # 320445

STATE OF NEW JERSEY
JOSEPH J. KOPNICKI
N.J. LIC. NO. 33676
Date:

NJTRANSIT
CAPITAL PLANNING AND PROGRAMS
ONE NEW YORK PLAZA STEAM HARRISON, NJ 07114

Project
PORT IMPERIAL FERRY TERMINAL
DREDGING FOR MAINTENANCE AND EXPANDED DOCK SLIP
WEEHAWKEN, NEW JERSEY
PROPOSED DREDGE SECTIONS

Scale	
Date	JULY 25, 2013
Des.	JPV
Dwn.	JPV
Chkd.	JJK

Drawing X-1
Sheet 4 of 4

Sheet 23 of 23