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-2023-00486-EMI**
Issue Date: November 8, 2023
Expiration Date: December 8, 2023

To Whom It May Concern:

The New York District, Corps of Engineers has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

APPLICANT: Ports America, Inc.
525 Washington Boulevard, Suite 1660
Jersey City, New Jersey 07310

ACTIVITY: Pier Apron Expansion

WATERWAY: Hudson River

LOCATION: Pier 90, Manhattan Cruise Terminal, New York County, City of New York, New York

A detailed description and plans of the applicant's activity are enclosed to assist in your review.

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

ALL COMMENTS REGARDING THE PERMIT APPLICATION MUST BE PREPARED IN WRITING AND EMAILED TO REACH THIS OFFICE BEFORE THE EXPIRATION DATE OF THIS NOTICE,

otherwise, it will be presumed that there are no objections to the activity.

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

Any person may request, in writing, before this public notice expires, that a public hearing be held to collect information necessary to consider this application. Requests for public hearings shall state, with particularity, the reasons why a public hearing should be held. It should be noted that information submitted by email is considered just as carefully in the permit decision process and bears the same weight as that furnished at a public hearing.

Our preliminary determination is that the activity for which authorization is sought herein is not likely to affect any Federally endangered or threatened species or their critical habitat. However, pursuant to Section 7 of the Endangered Species Act (16 U.S.C. 1531), the District Engineer is consulting with the appropriate Federal agency to determine the presence of and potential impacts to listed species in the project area or their critical habitat.

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various lifestages of some EFH-designated species as a result of a temporary increase in turbidity during construction. However, the New York District has made the preliminary determination that the site-specific adverse effects are not likely to be substantial because it is expected that fish populations would avoid the small area of disturbance. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations is being conducted and will be concluded prior to the final decision.

Based upon a review of the latest published version of the National Register of Historic Places and the New York State Cultural Resources Information System (CRIS) mapper, the Hudson River Bulkhead, located adjacent to the proposed work is listed as eligible for listing in the National and State Register. The Corps of Engineers has made the preliminary determination that the proposed work will have no effect on historic properties. The Corps of Engineers will further consult with the New York State Historic Preservation Office prior to a final decision. Presently unknown archeological, scientific, prehistorical, or historical data may be lost by work accomplished under the required permit.

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 occur. For activities within the coastal zone of New York State, the applicant's certification and accompanying information is available from the

Consistency Coordinator, New York State Department of State, Division of Coastal Resources and Waterfront Revitalization, Coastal Zone Management Program, One Commerce Plaza, 99 Washington Avenue, Albany, New York 12231, Telephone (518) 474-6000. Comments regarding the applicant's certification, and copies of any letters to this office commenting upon this proposal, should be so addressed.

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

- New York State Department of Environmental Conservation

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. Please send all comments and questions concerning this application to Christopher.W.Minck@usace.army.mil.

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.

R. Miranda Digitally signed by Rosita Miranda

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

Enclosures

WORK DESCRIPTION

The permit applicant, Ports America, Inc., has requested Department of the Army (DA) authorization for pier apron expansion at Pier 90 of the Manhattan Cruise Terminal (MCT) in the Hudson River in the Borough of Manhattan, New York County, City of New York, New York.

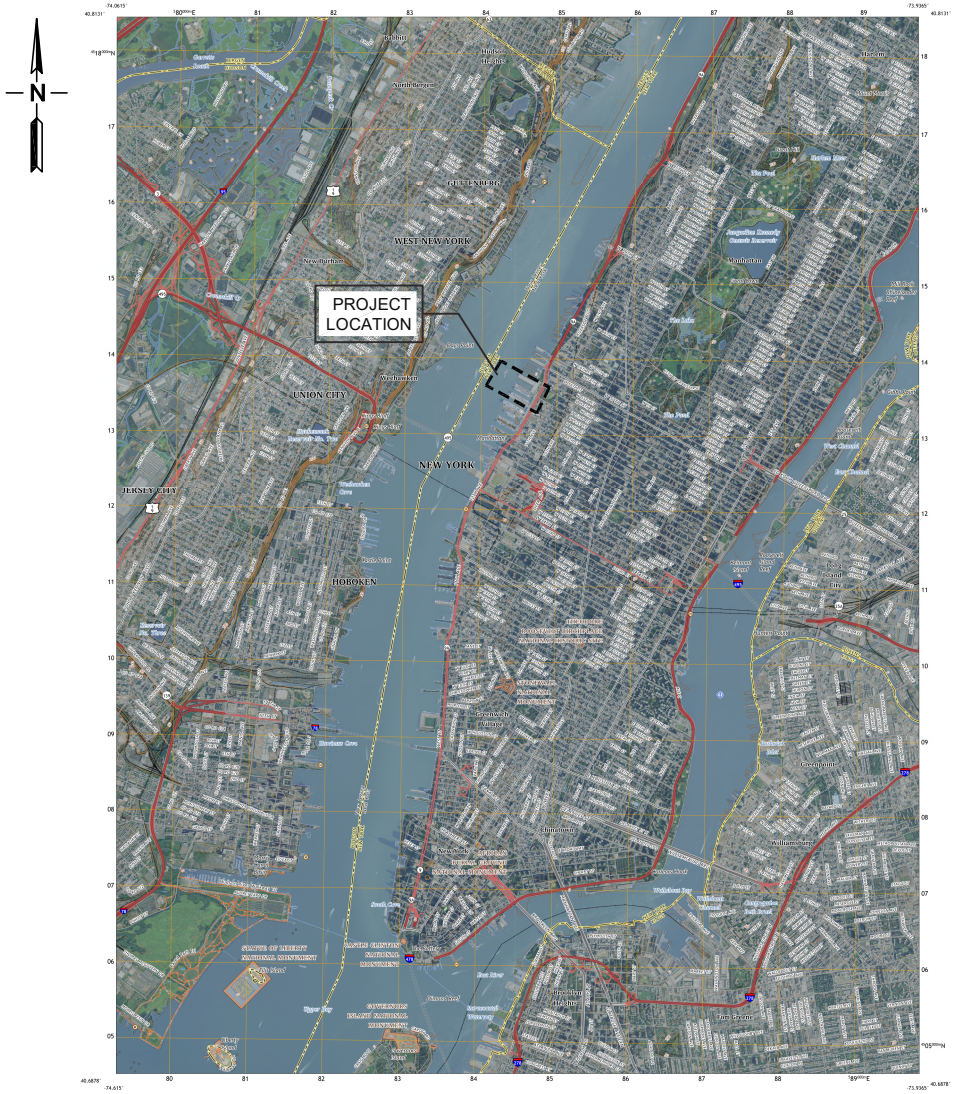
The proposed work would involve the following:

Construction a new approximately 60-foot-wide by 1,040-foot-long apron platform, totaling approximately 65,000 square feet (approximately 1.5 acres) on the north side of Pier 90 (Berth 4). The apron expansion will be supported by one-hundred and eighty-two (182) 36-inch diameter steel pipe piles filled with concrete (approximately 611 CY total over 1,286 square feet). The existing fendering system along the apron will be removed and a new foam-filled fendering system will be installed along the new platform. Additional activities include inshore platform repairs which would include installation of four (4) 12-inch diameter steel pipe piles filled with concrete.

The applicant has stated that they have avoided, minimized, and mitigated for potential impacts proposed to the maximum extent practicable. Any temporary potential impacts would be offset by implementing best management practices including installing a turbidity curtain around the construction area and utilizing a vibratory hammer with a soft start and cushion block, as practicable.

The purpose of the project is to modernize and improve passenger boarding at the MCT to accommodate modern cruise vessels.

USACE FILE: NAN-2023-00486-EMI



PROJECT LOCATION
SCALE: N.T.S.

NOTE: PROJECT LOCATION IDENTIFIED ON MAP PRODUCED BY THE U.S. GEOLOGICAL SURVEY (U.S. DEPARTMENT OF THE INTERIOR).

THE HORIZONTAL COORDINATES REFERENCE:
NORTH AMERICAN DATUM OF 1983 (NAD83)
WORLD GEODEDIC SYSTEM OF 1984 (WGS84) PROJECTION AND
1,000-METER GRID: UNIVERSAL TRANSVERSE MERCATOR, ZONE 18T

PROJECT VICINITY - AERIAL VIEW
SCALE: N.T.S.

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

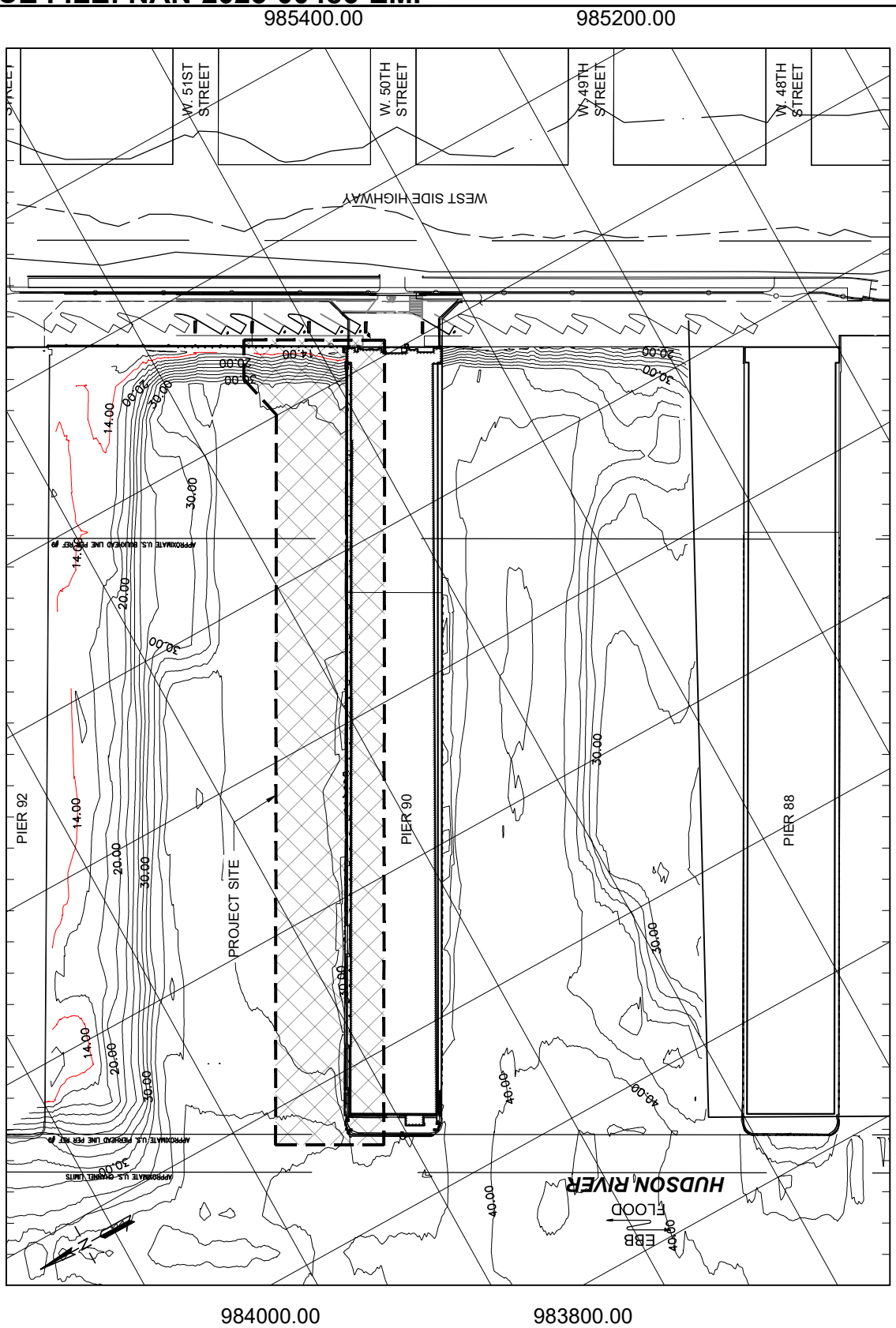
MANHATTAN CRUISE TERMINAL - PIER 90

PROJECT LOCATION AND VICINITY MAP

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 01 OF 26 DATE: 02.10.2023



NOTES:
1. BATHYMETRIC INFORMATION SHOWN REPRESENTS THE BATHYMETRIC SURVEY PERFORMED BY ROGERS SURVEYING, PLLC. ON OCTOBER 5, 2021. DEPTHS ARE SHOWN RELATIVE TO MLW AND REPRESENTS THE CONDITIONS OF THE SITE AT THE TIME OF SURVEY.
2. THE HORIZONTAL COORDINATES REFERENCE NORTH AMERICAN DATUM OF 1983 (NAD83), NY STATE PLAN COORDINATES (LONG ISLAND).

EXISTING SITE PLAN AND BATHYMETRY

SCALE: 1" = 200'-0"

LEGEND
- LIMIT OF MODERATE WAVE ACTION
- 1% ANNUAL CHANCE FLOODPLAIN BOUNDARY
- 0.2% ANNUAL CHANCE FLOODPLAIN BOUNDARY

0 200' 400'
SCALE: 1" = 200'

PURPOSE:
NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:
BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

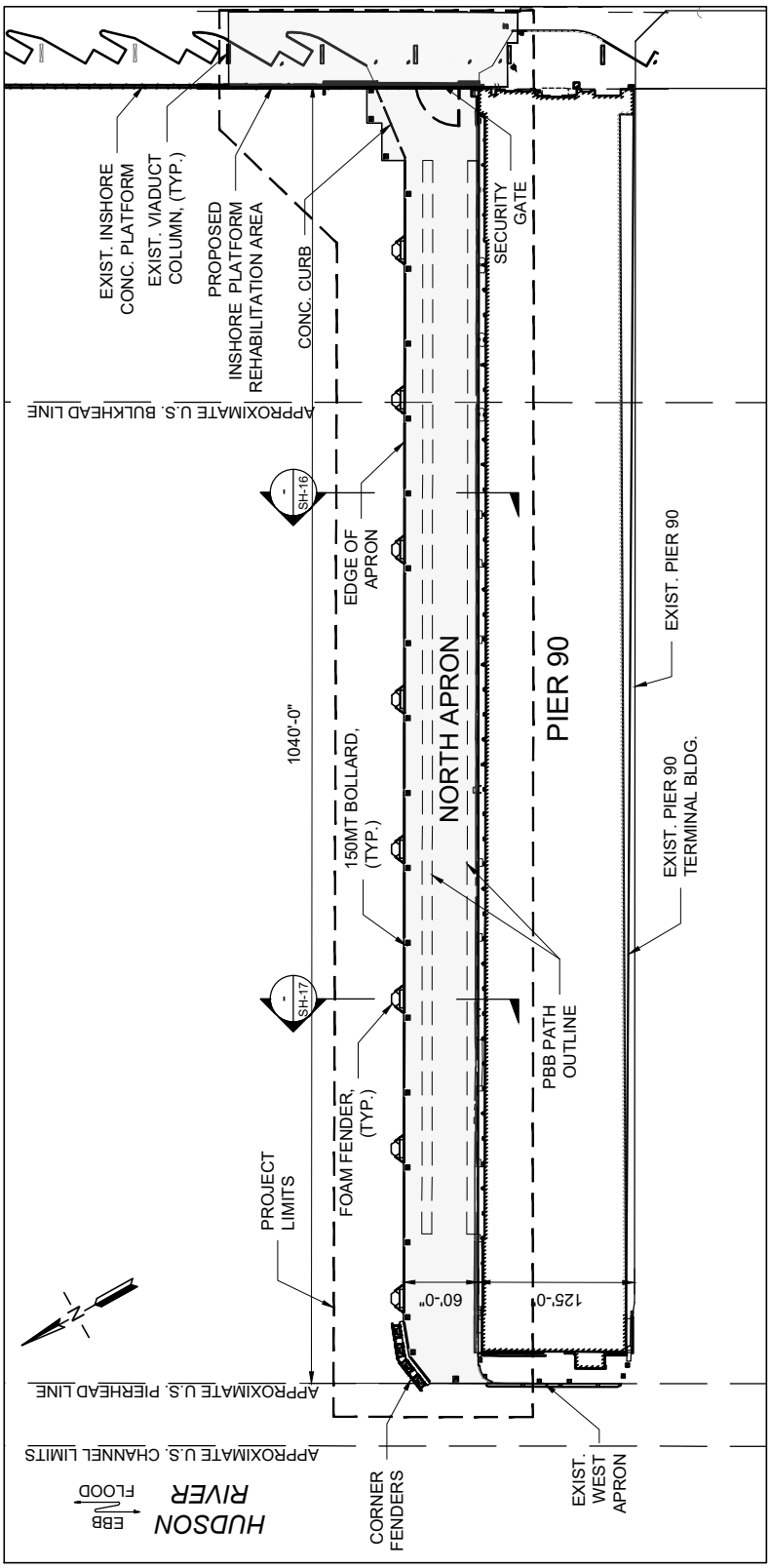
MANHATTAN CRUISE TERMINAL - PIER 90

PROJECT LOCATION AND VICINITY MAP

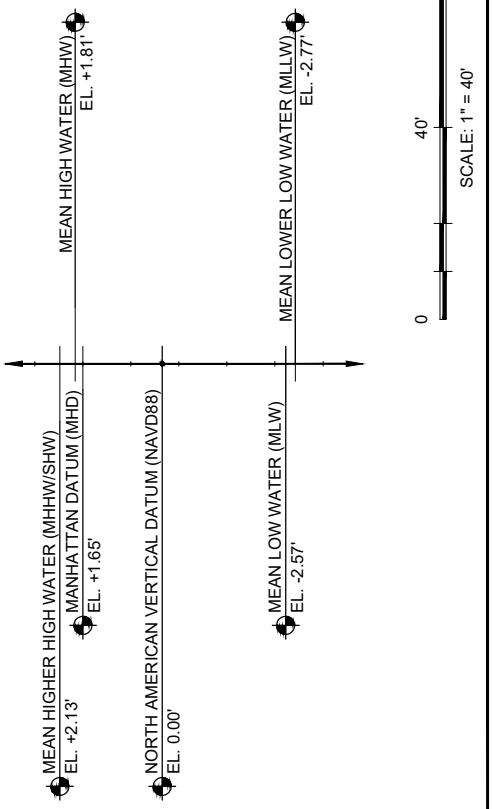
PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 02 OF 26 DATE: 02.10.2023



PROPOSED APRON PLAN
SCALE: 1" = 40'-0"



PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

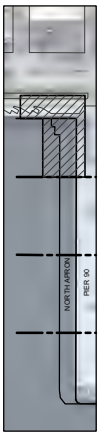
PROPOSED APRON PLAN

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

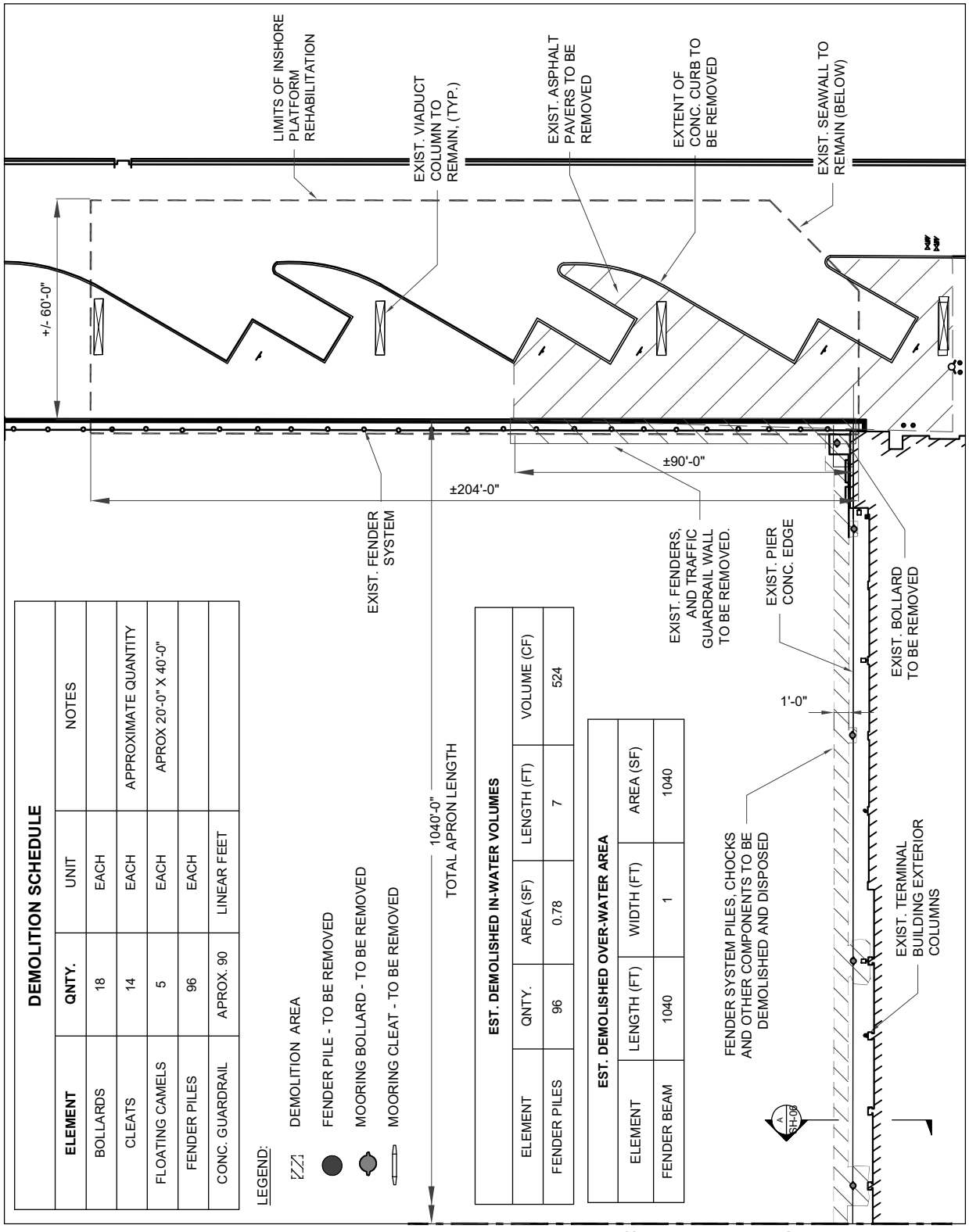
CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 03 OF 26 DATE: 08.15.2023

REVISION



KEY PLAN
SCALE: N.T.S.



GENERAL DEMOLITION PLAN - 1 OF 2
SCALE: 1" = 40'-0"

DEMOLITION SCHEDULE

ELEMENT	QNTY.	UNIT	NOTES
BOLLARDS	18	EACH	
CLEATS	14	EACH	APPROXIMATE QUANTITY
FLOATING CAMELS	5	EACH	APROX 20'-0" X 40'-0"
FENDER PILES	96	EACH	
CONC. GUARDRAIL	APROX. 90	LINEAR FEET	

LEGEND:
- DEMOLITION AREA
- FENDER PILE - TO BE REMOVED
- MOORING BOLLARD - TO BE REMOVED
- MOORING CLEAT - TO BE REMOVED

EST. DEMOLISHED IN-WATER VOLUMES

ELEMENT	QNTY.	AREA (SF)	LENGTH (FT)	VOLUME (CF)
FENDER PILES	96	0.78	7	524

EST. DEMOLISHED OVER-WATER AREA

ELEMENT	LENGTH (FT)	WIDTH (FT)	AREA (SF)
FENDER BEAM	1040	1	1040

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

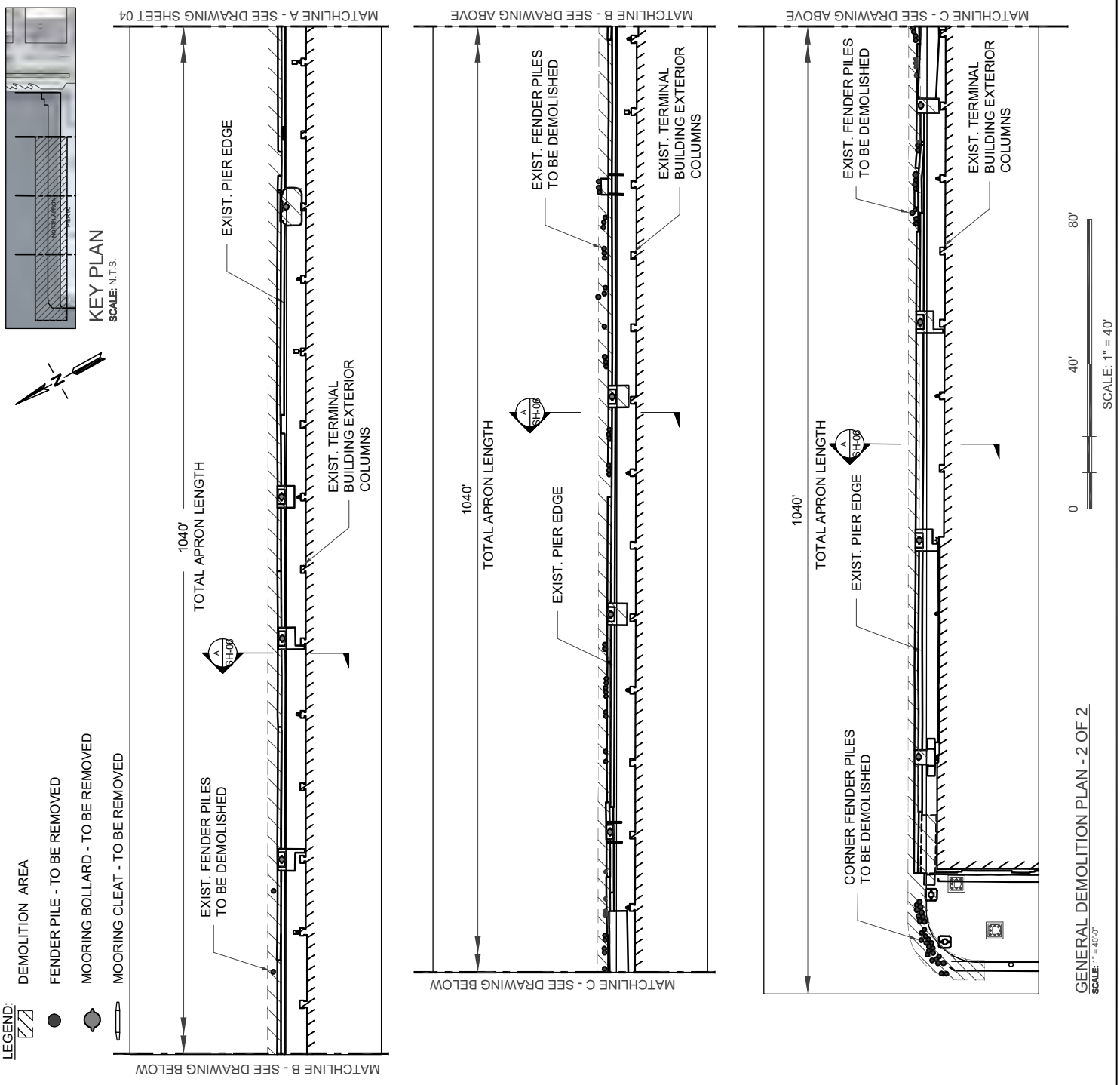
MANHATTAN CRUISE TERMINAL - PIER 90

DEMOLITION PLAN
SHEET 1 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 04 OF 26 DATE: 02.10.2023



PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

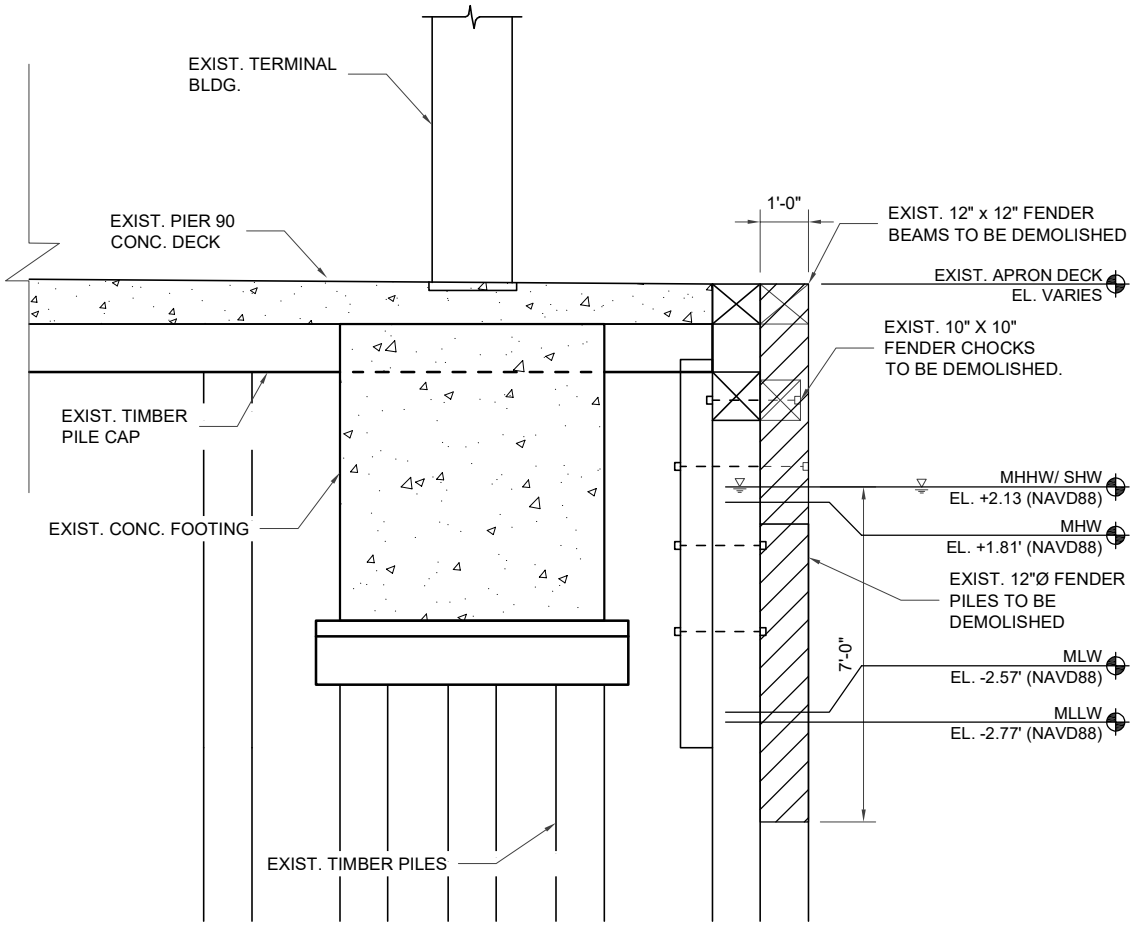
MANHATTAN CRUISE TERMINAL - PIER 90

DEMOLITION PLAN
SHEET 2 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 05 OF 26 DATE: 02.10.2023



A - DEMOLITION SECTION
1/4" = 1'-0"

0 2' 4' 8'
SCALE: 1/4" = 1'-0"

PURPOSE:
NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:
BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

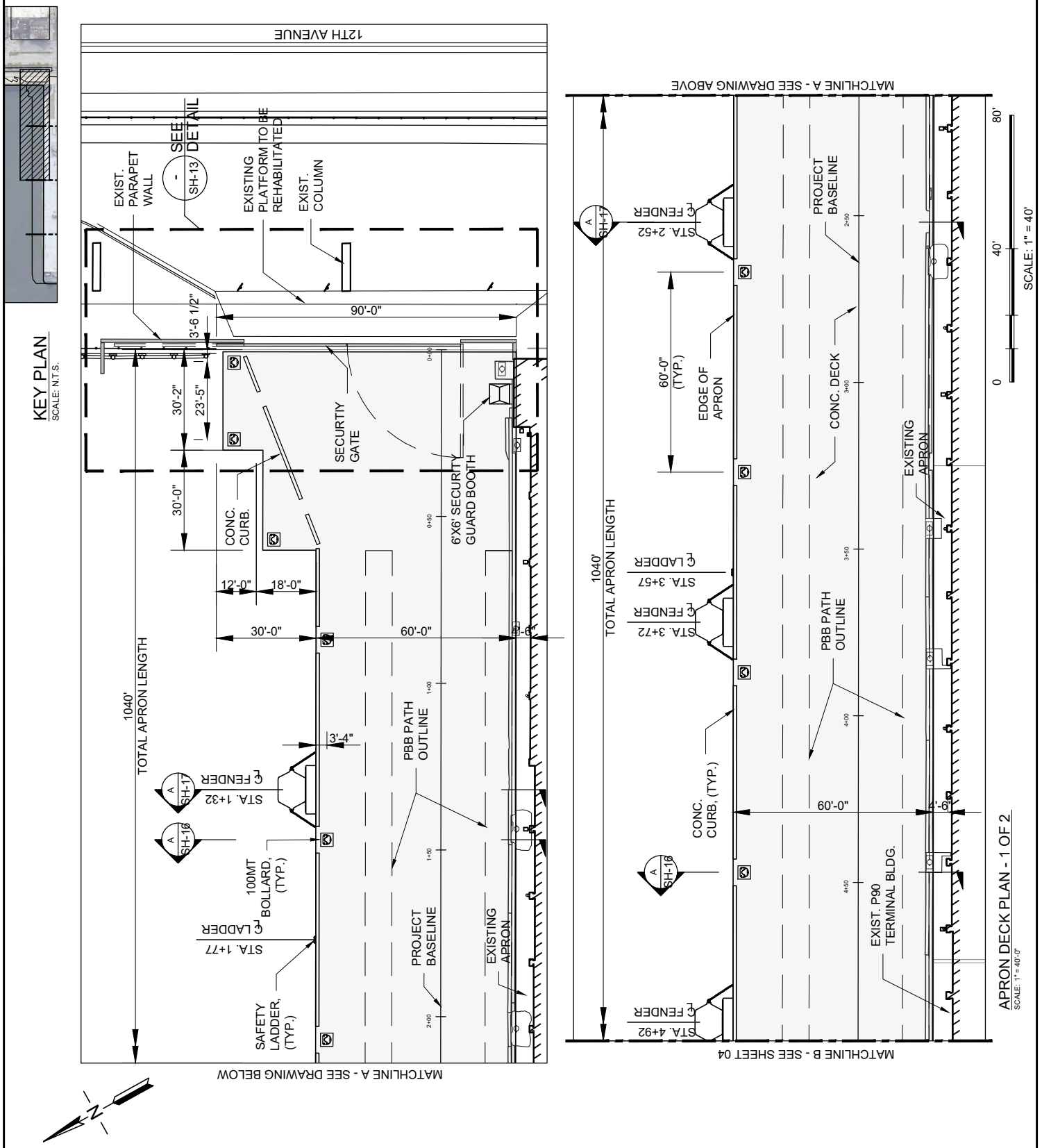
DEMOLITION SECTION

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 06 OF 26 DATE: 02.10.2023

USACE FILE: NAN-2023-00486-EMI



PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

DECK PLAN
SHEET 1 OF 2

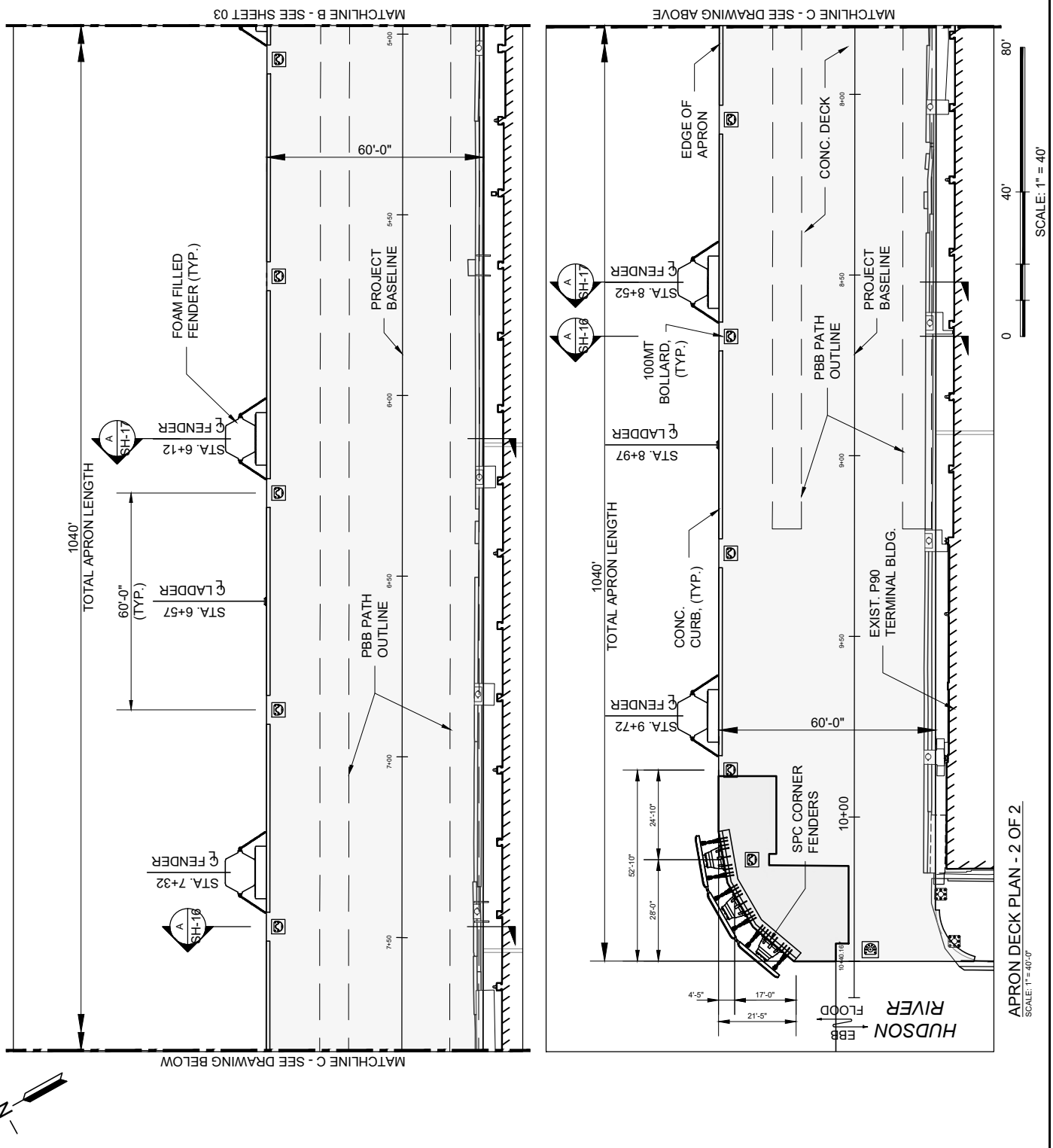
PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 07 OF 26 DATE: 08.15.2023

REVISION

KEY PLAN
SCALE: N.T.S.



APRON DECK PLAN - 2 OF 2
SCALE: 1" = 40'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

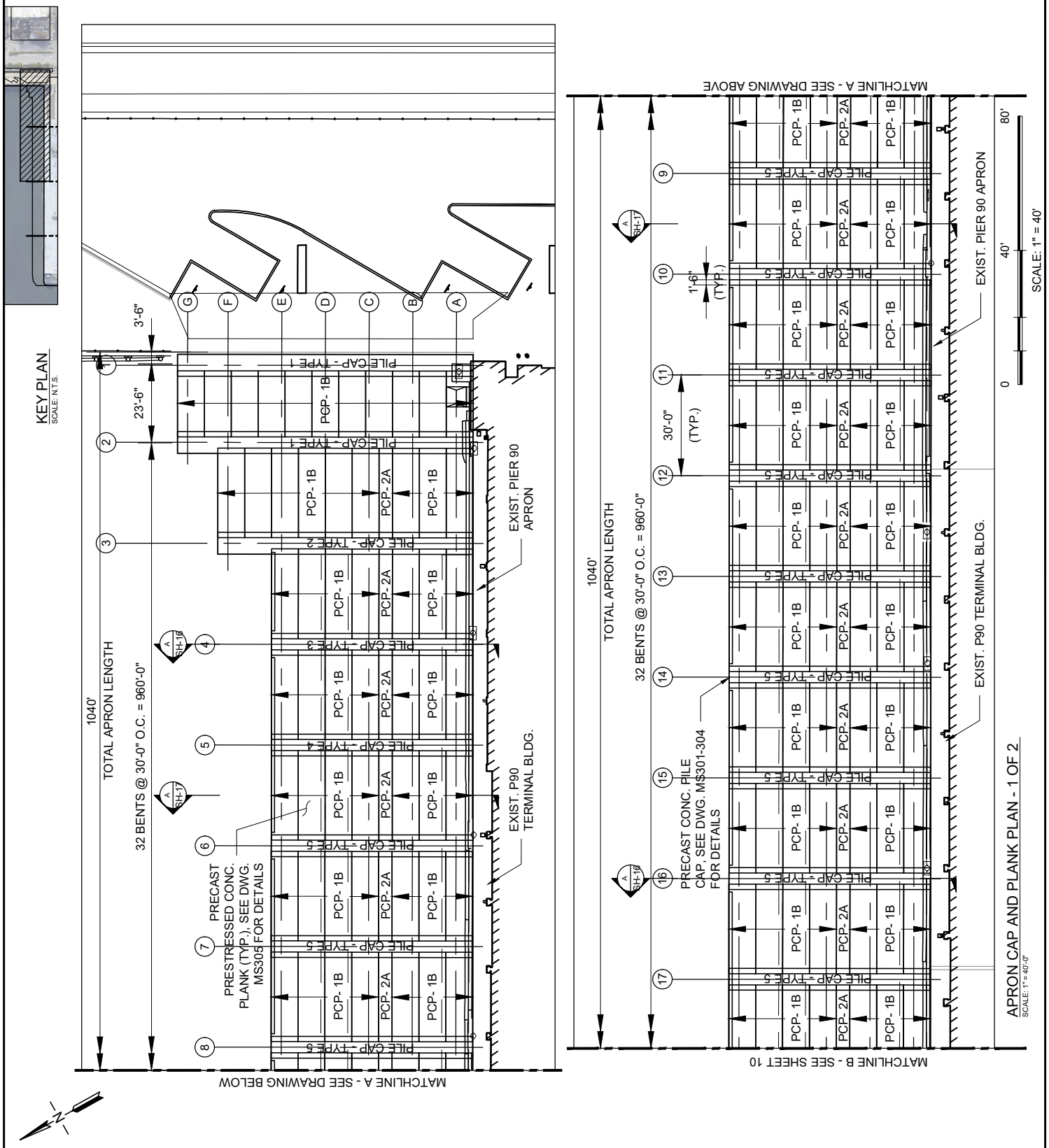
DECK PLAN
SHEET 2 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 08 OF 26 DATE: 08.15.2023

REVISION



PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

APRON CAP & PLANK
SHEET 1 OF 2

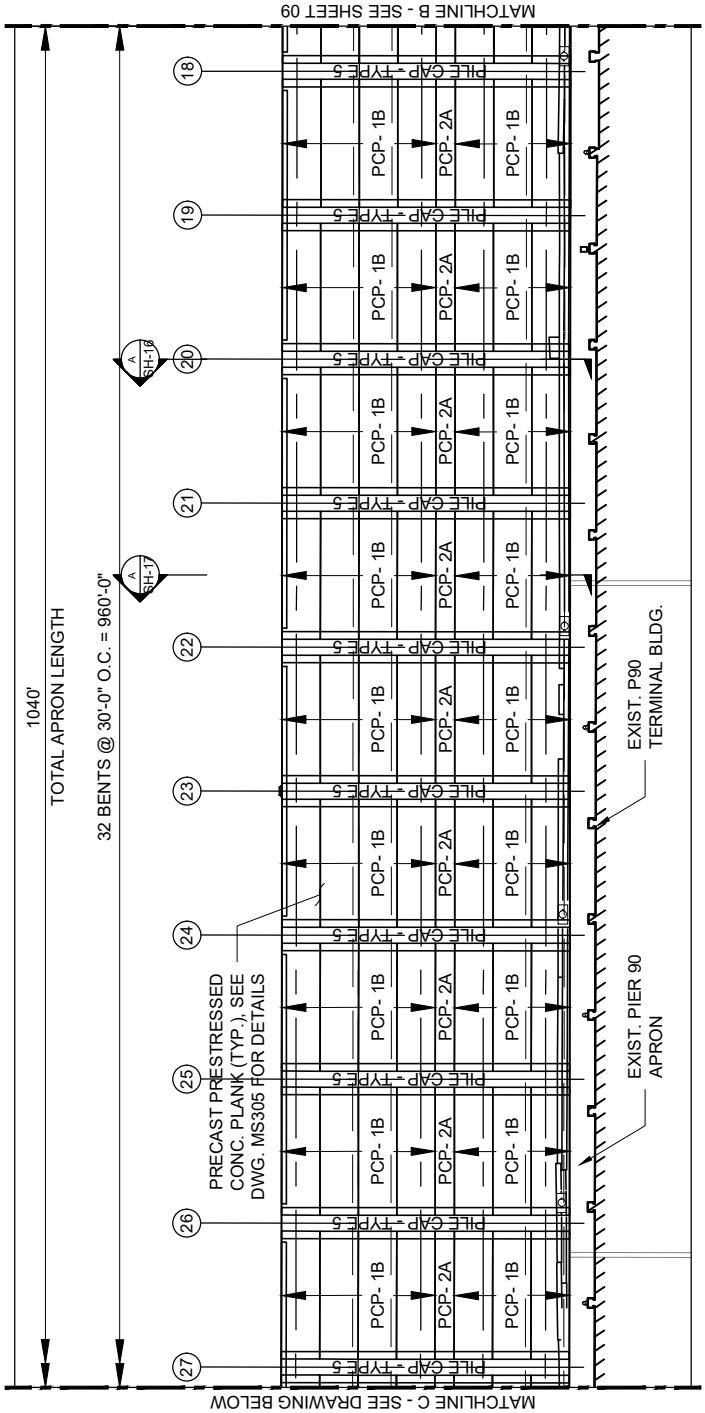
PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

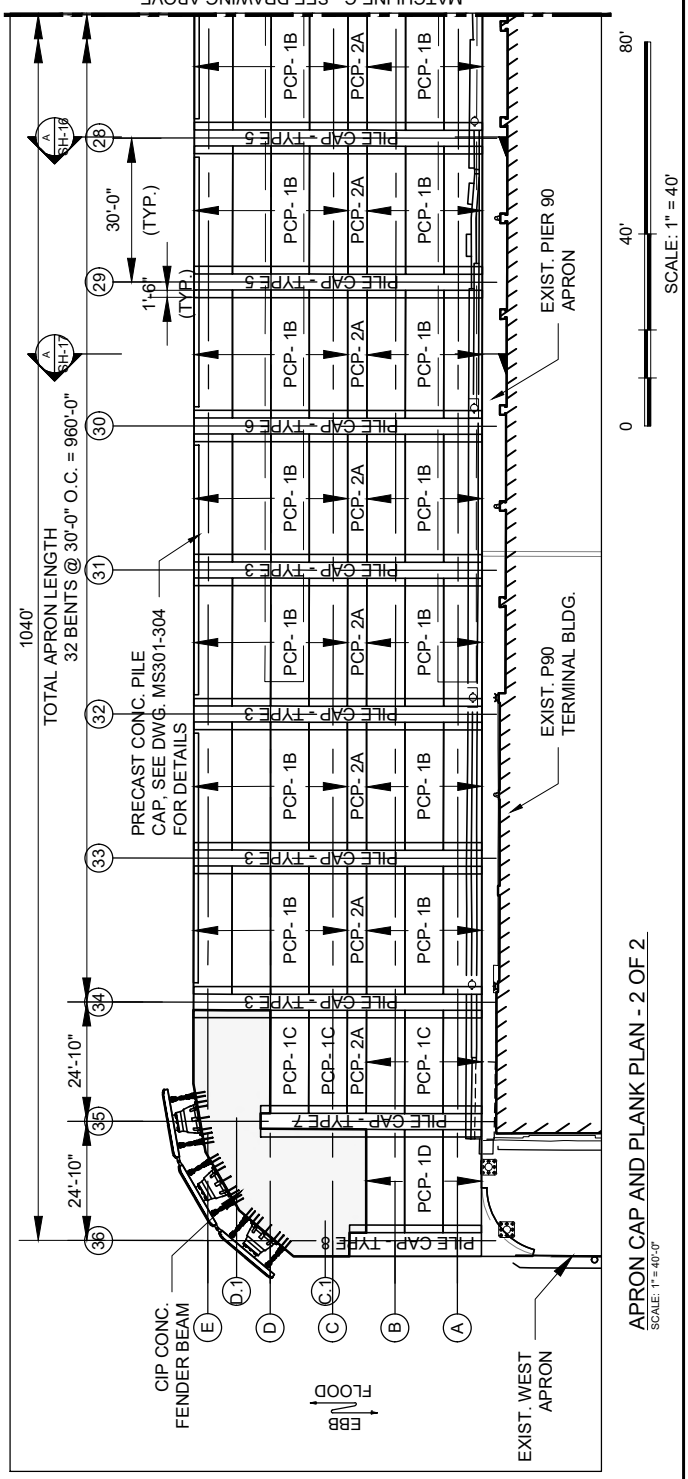
CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 09 OF 26 DATE: 08.15.2023

REVISION

KEY PLAN
SCALE: N.T.S.





APRON CAP AND PLANK PLAN - 2 OF 2
SCALE: 1" = 40'-0"

0 40' 80'
SCALE: 1" = 40'

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

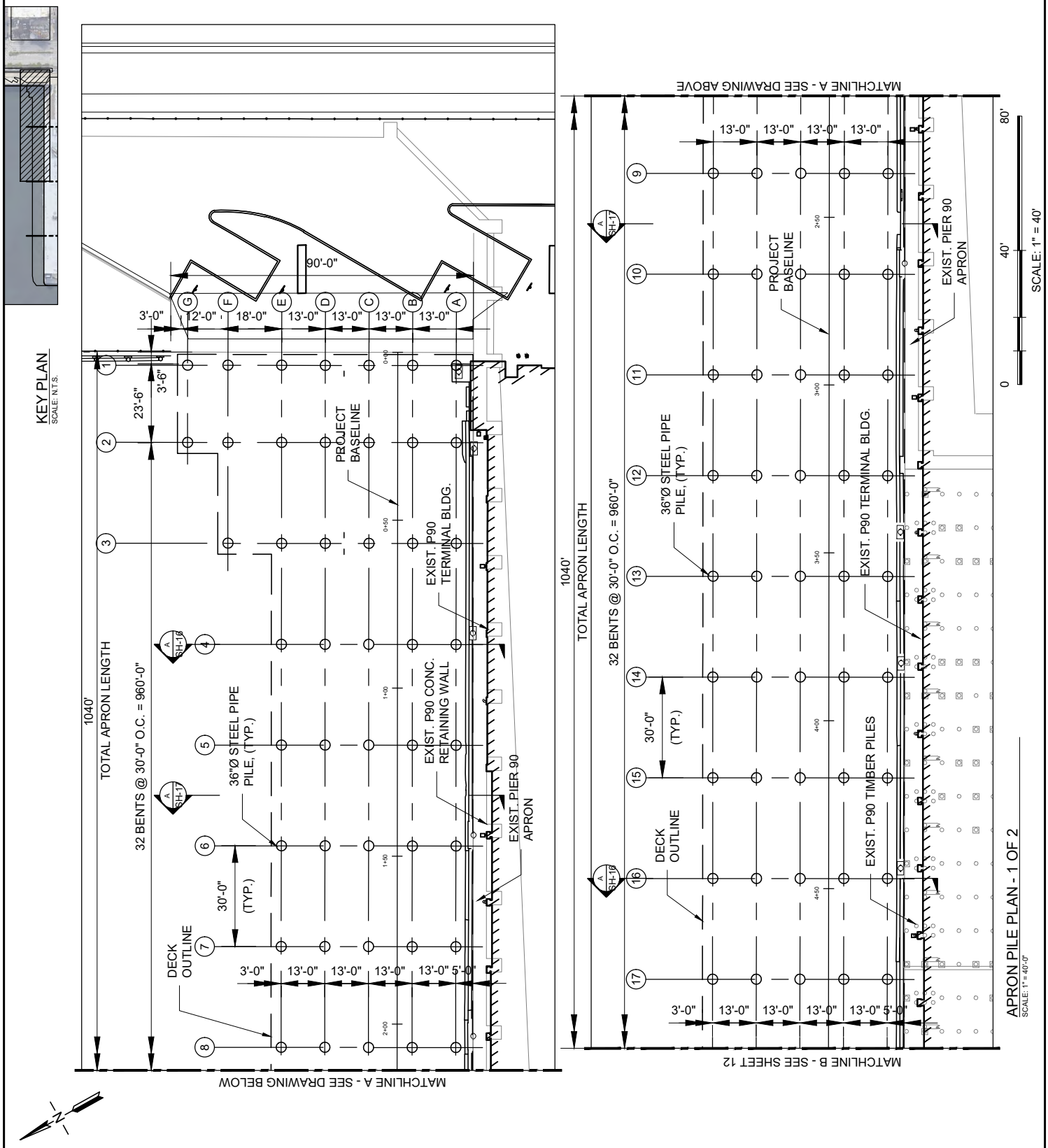
APRON CAP & PLANK
SHEET 2 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 10 OF 26 DATE: 08.15.2023

REVISION



PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

PILE PLAN
SHEET 1 OF 2

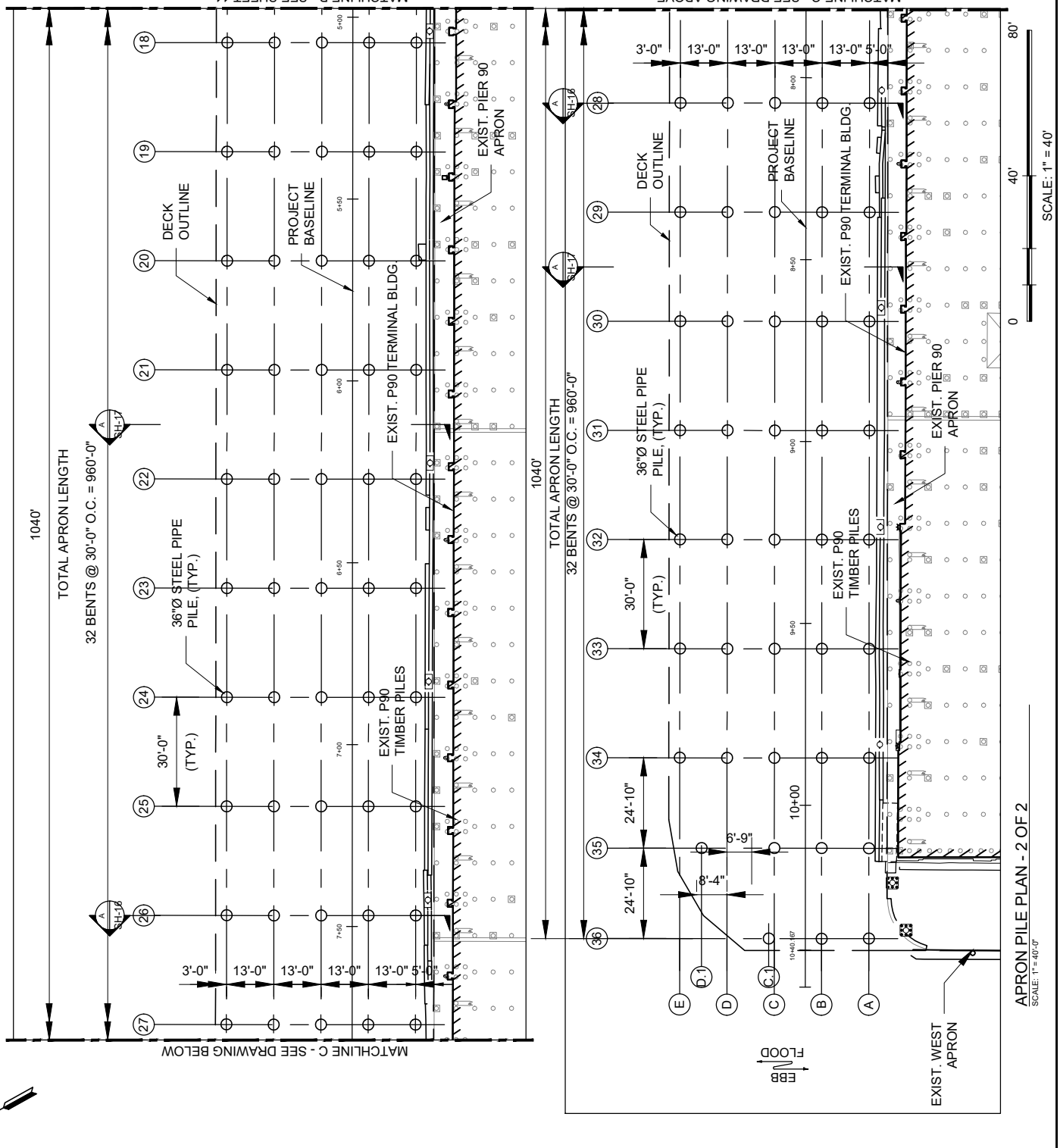
PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 11 OF 26 DATE: 08.15.2023

REVISION

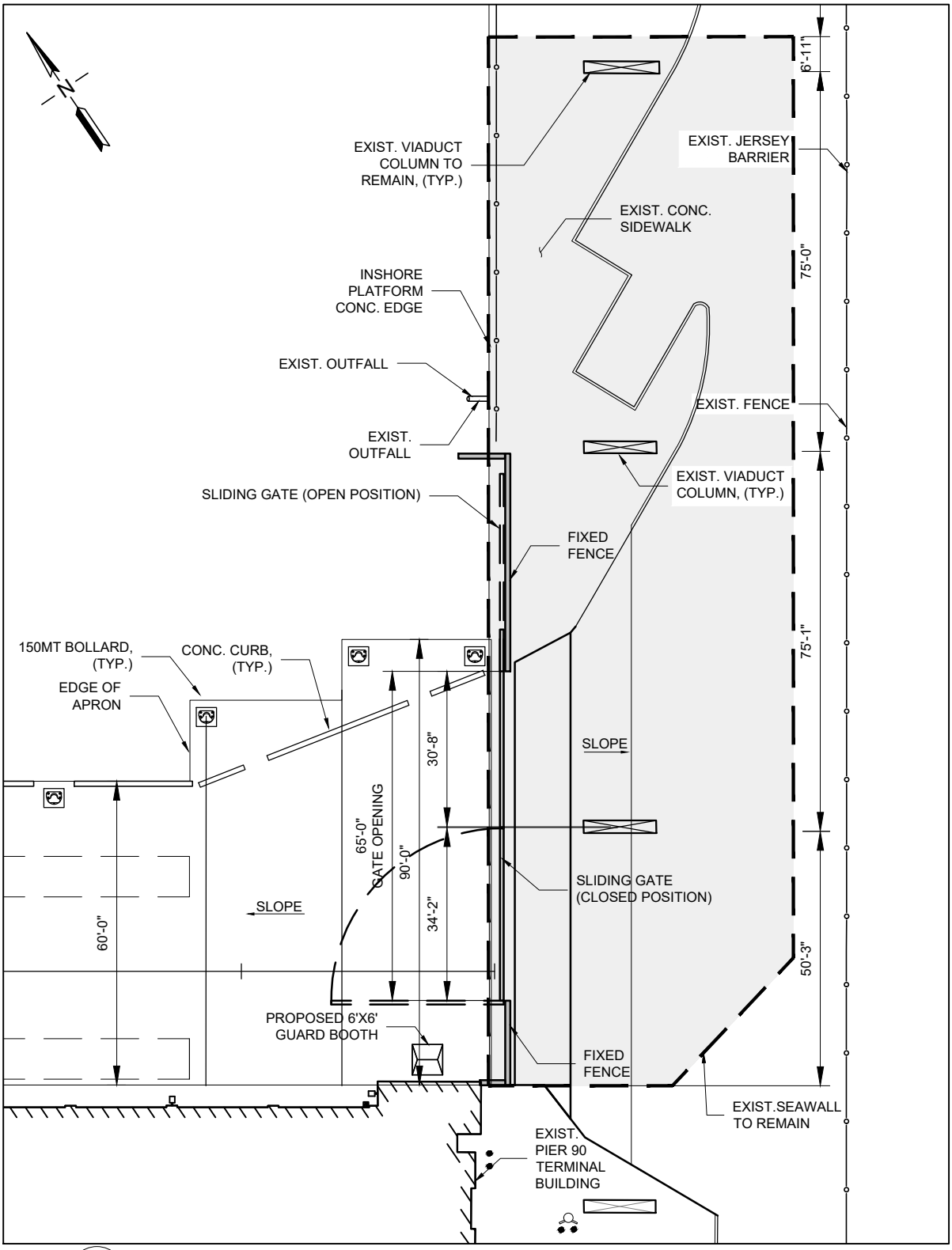
KEY PLAN
SCALE: N.T.S.



APRON PILE PLAN - 2 OF 2
SCALE: 1" = 40'-0"

PURPOSE: NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL PREPARED BY: BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC. NEW YORK, NY	MANHATTAN CRUISE TERMINAL - PIER 90 PILE PLAN SHEET 2 OF 2	PROPOSED: CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM CITY: NEW YORK COUNTY: NEW YORK COUNTY APPLICANT: PORTS AMERICA OWNER: NEW YORK CITY - DSBS SHEET 12 OF 26 DATE: 08.15.2023

REVISION



1 INSHORE PLATFORM DECK PLAN
1" = 30'-0"

0 30' 60'
SCALE: 1" = 30'

PURPOSE:
NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:
BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

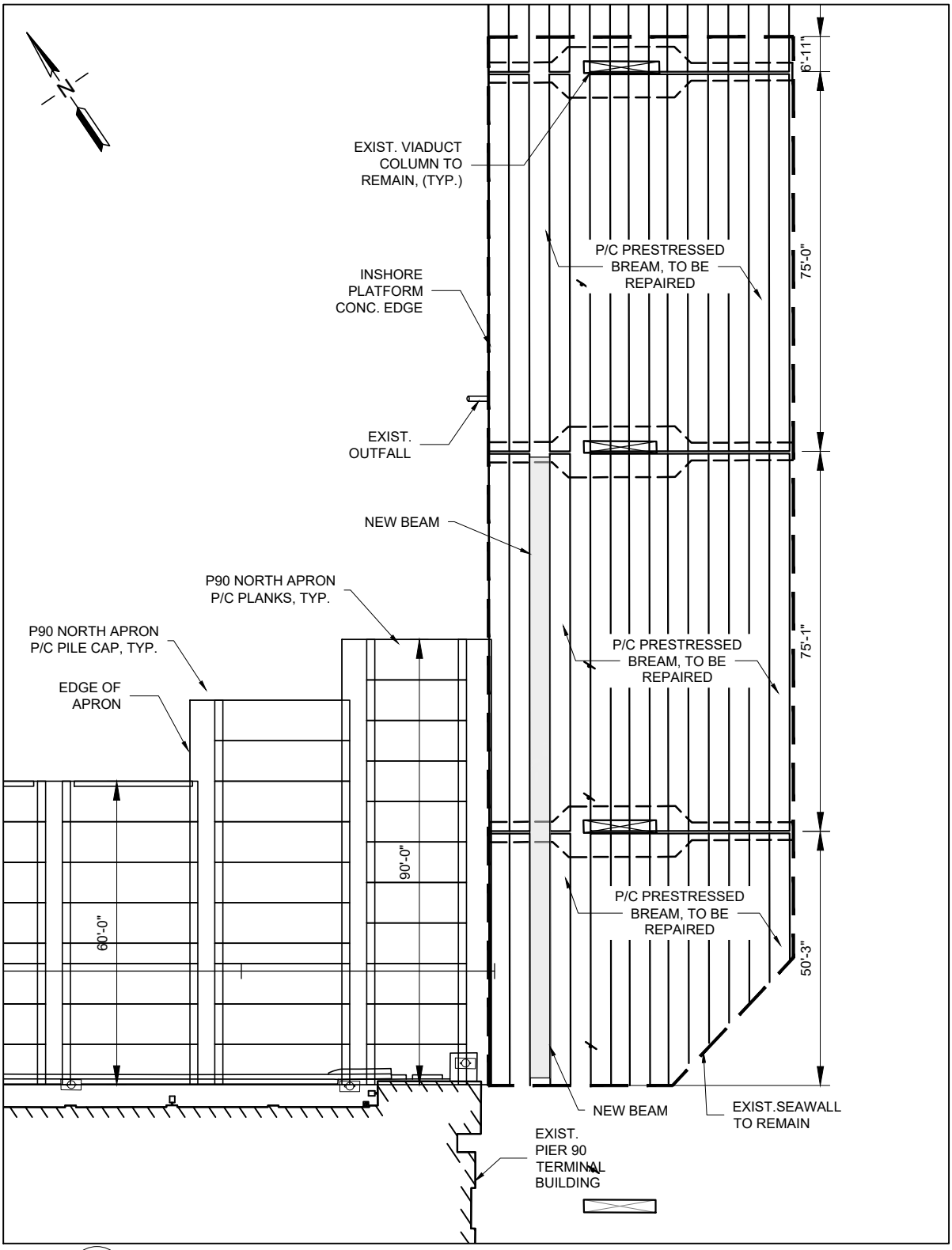
INSHORE PLATFORM DECK PLAN

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 13 OF 26 DATE: 08.15.2023

REVISION



1 - INSHORE TRANSITION CAP AND BEAM PLAN
1" = 30'-0"

0 30' 60'
SCALE: 1" = 30'

PURPOSE:
NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:
BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

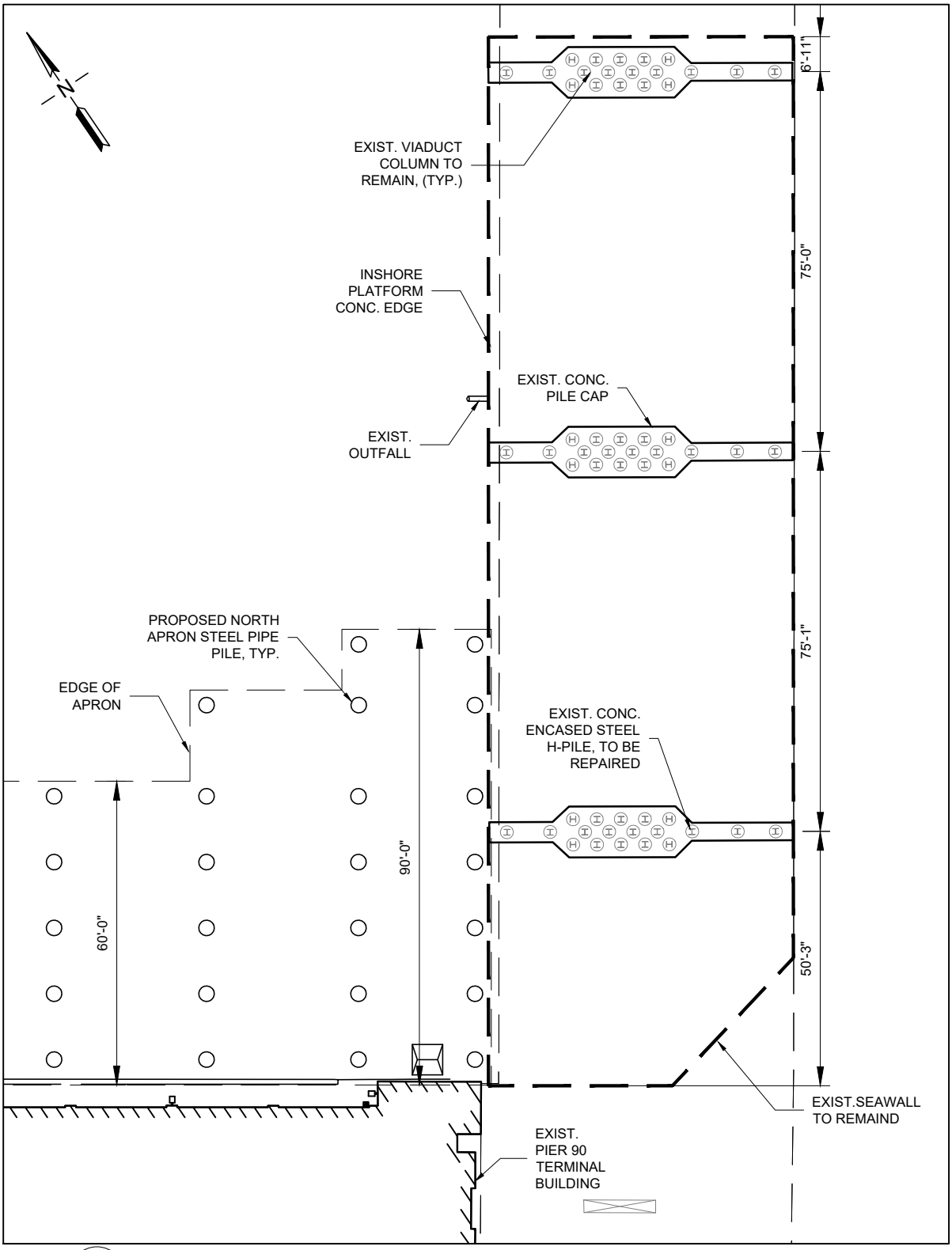
INSHORE PLATFORM CAP & BEAM

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 14 OF 26 DATE: 08.15.2023

REVISION



1 - INSHORE PLATFORM PILE PLAN
1" = 30'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

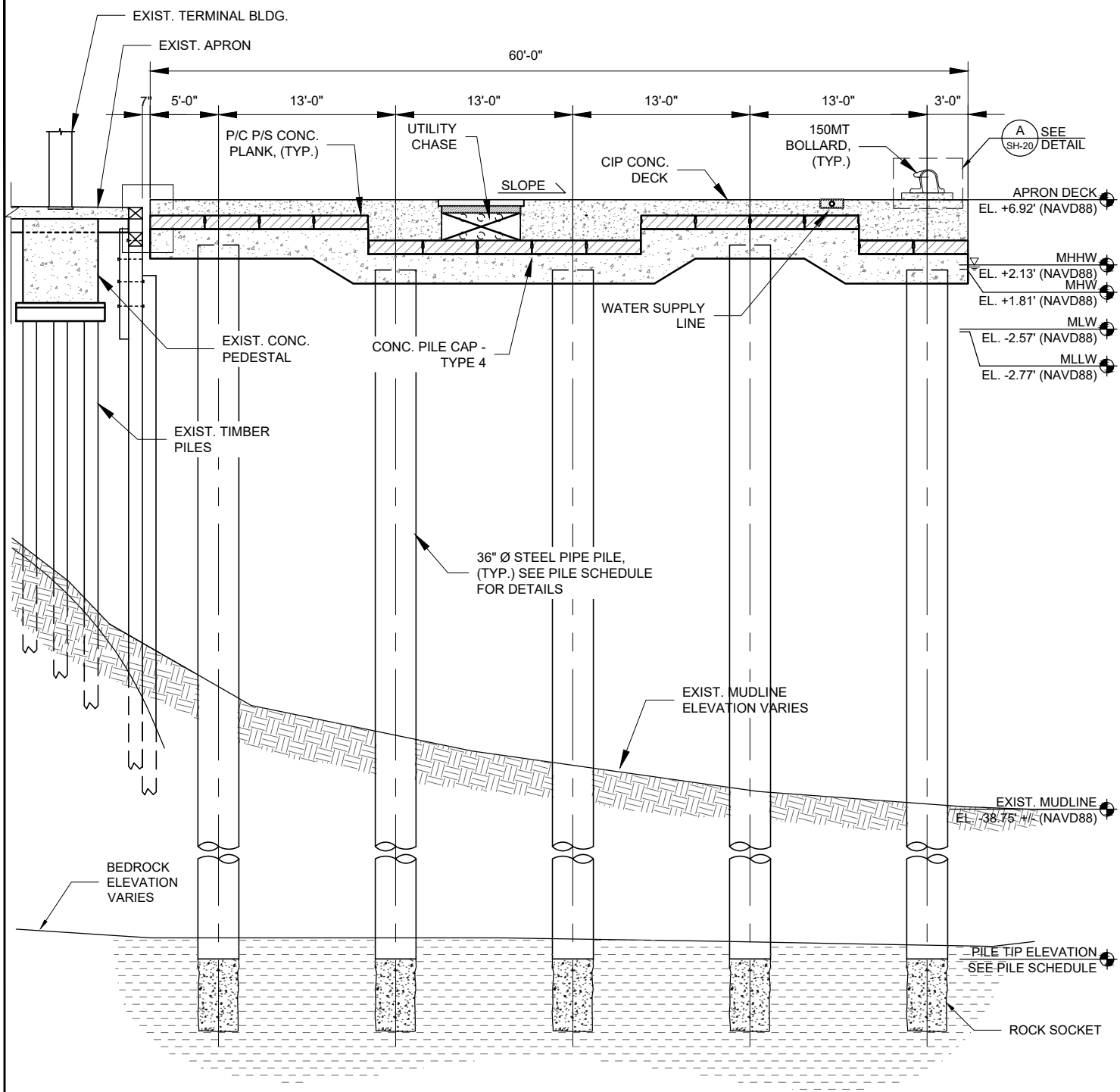
INSHORE PLATFORM PILE PLAN

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 15 OF 26 DATE: 08.15.2023

REVISION



A - TYPICAL SECTION WITH BOLLARD
3/32" = 1'-0"

0 8' 16' 24'
SCALE: 3/32" = 1'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

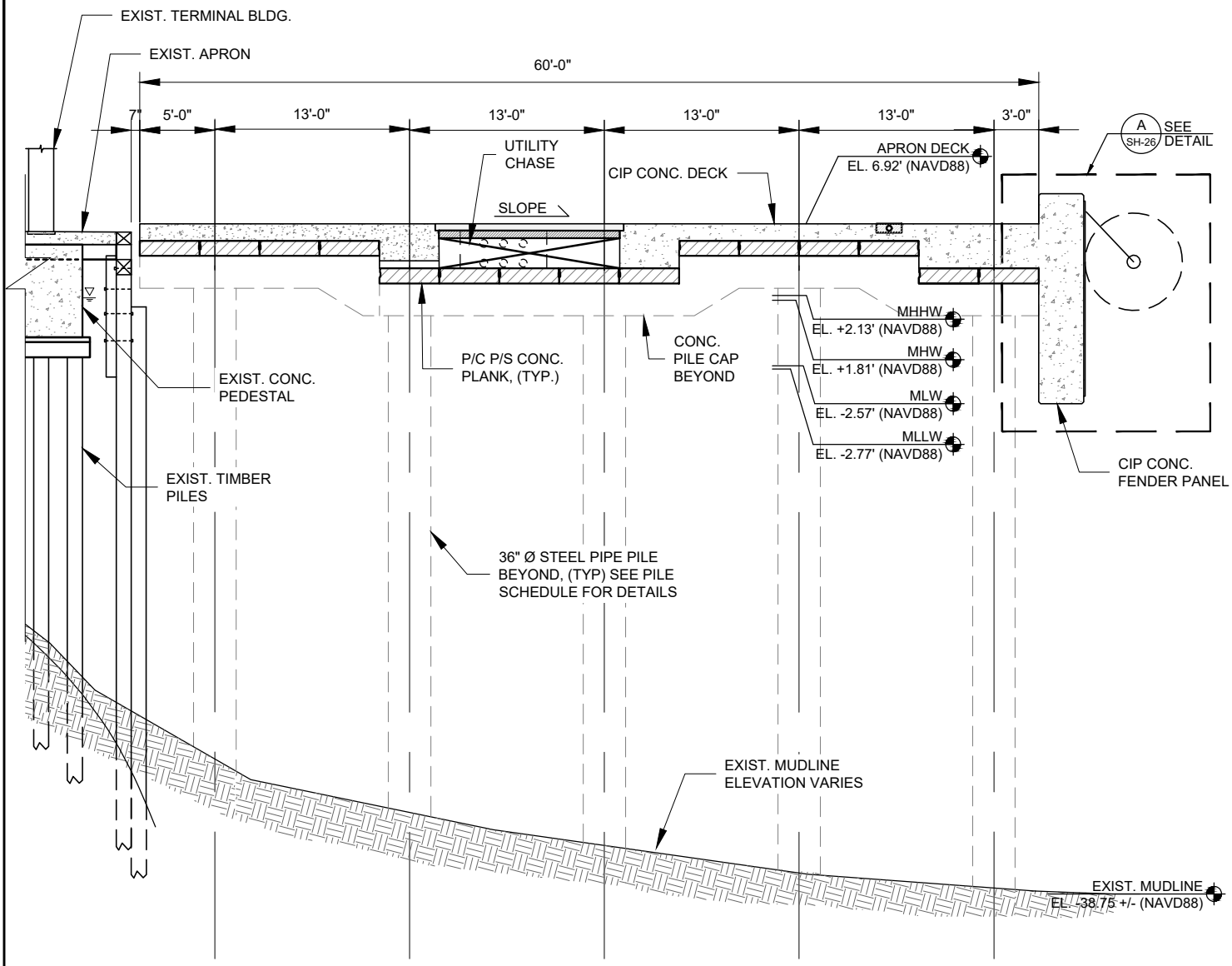
TYPICAL SECTIONS
SHEET 1 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 16 OF 26 DATE: 08.15.2023

REVISION



A - TYPICAL SECTION WITH FENDER
3/32" = 1'-0"

0 8' 16' 24'
SCALE: 3/32" = 1'-0"

PURPOSE:
NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:
BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

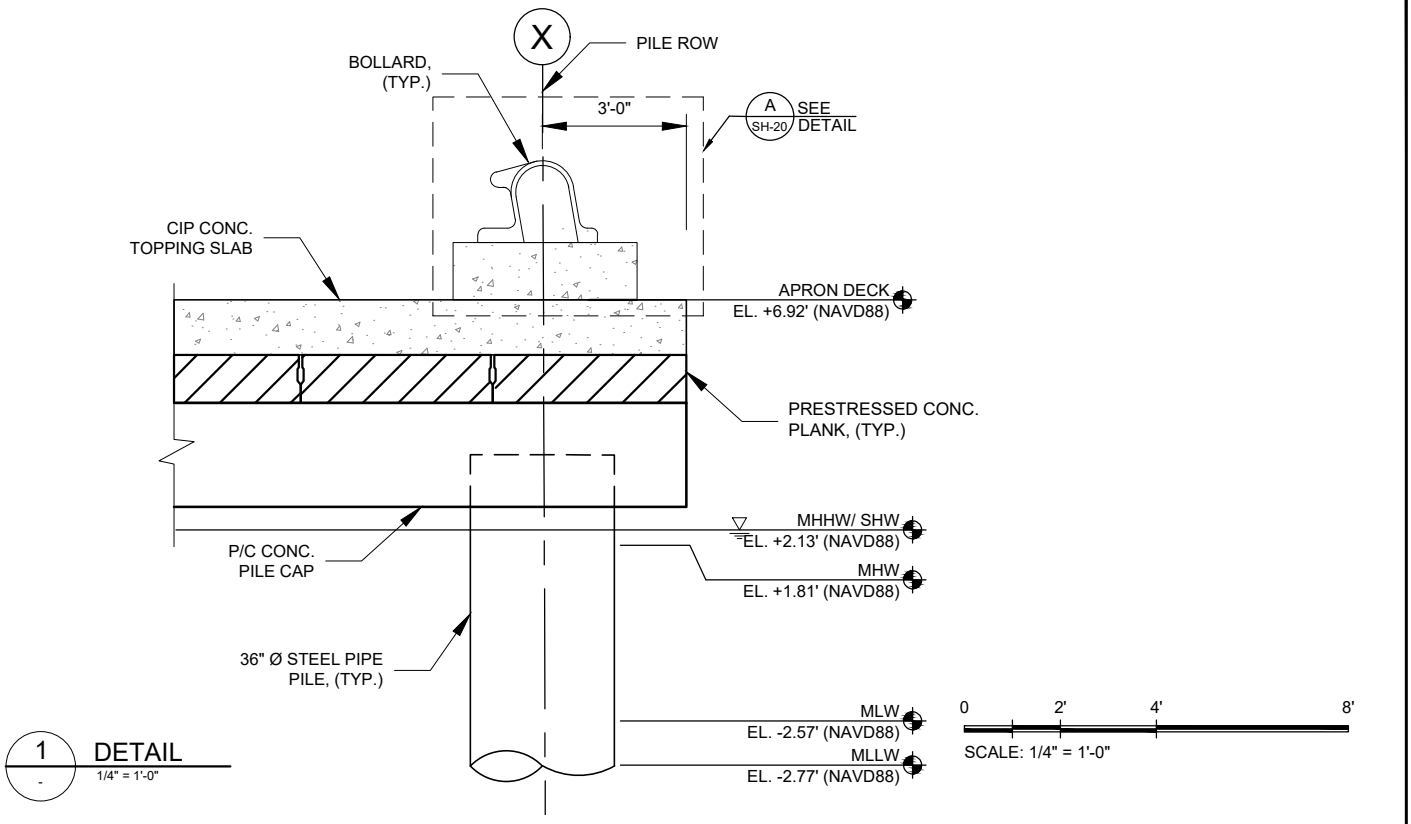
TYPICAL SECTIONS
SHEET 2 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

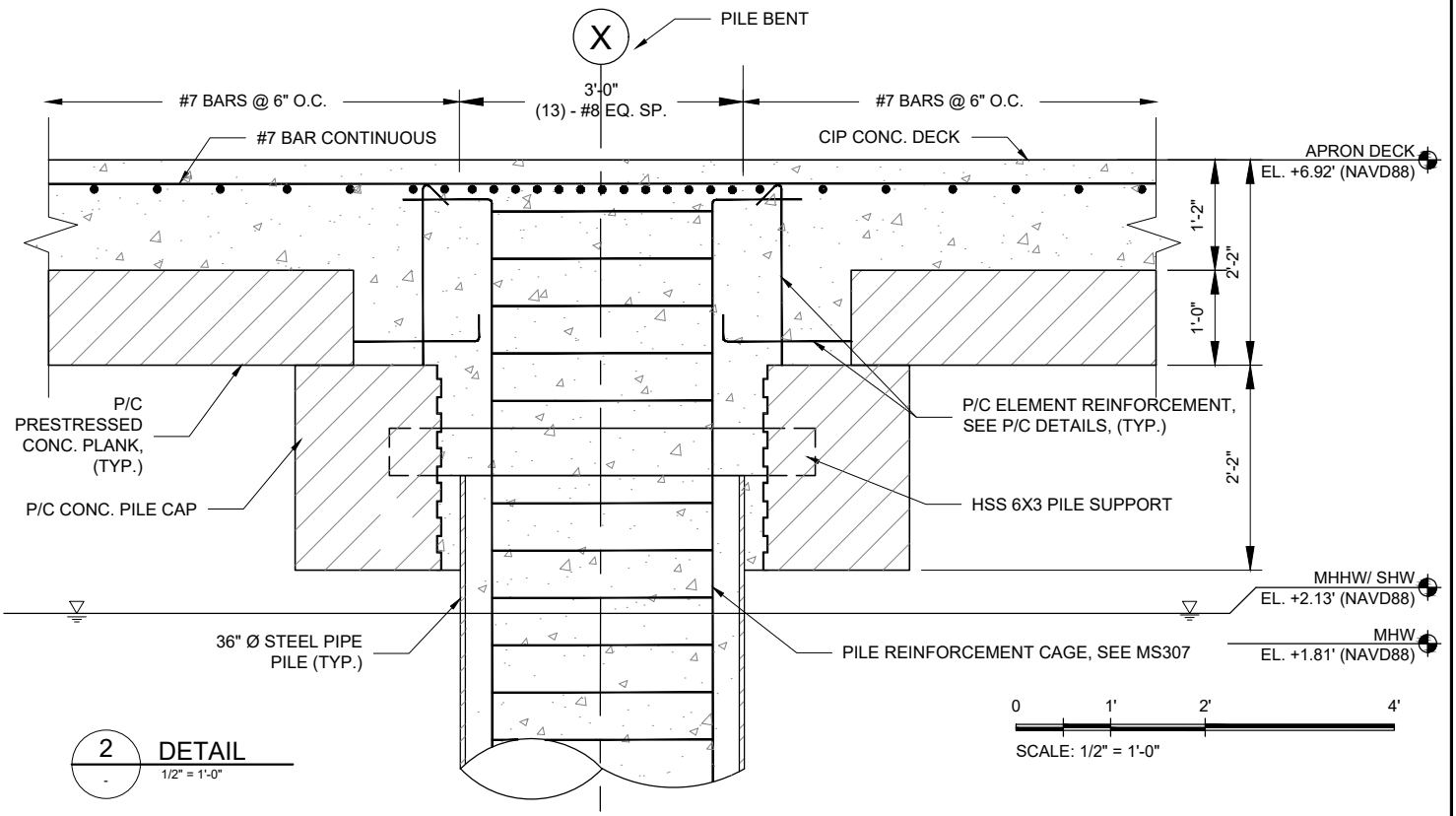
CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 17 OF 26 DATE: 08.15.2023

REVISION



1 - DETAIL
1/4" = 1'-0"



2 - DETAIL
1/2" = 1'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

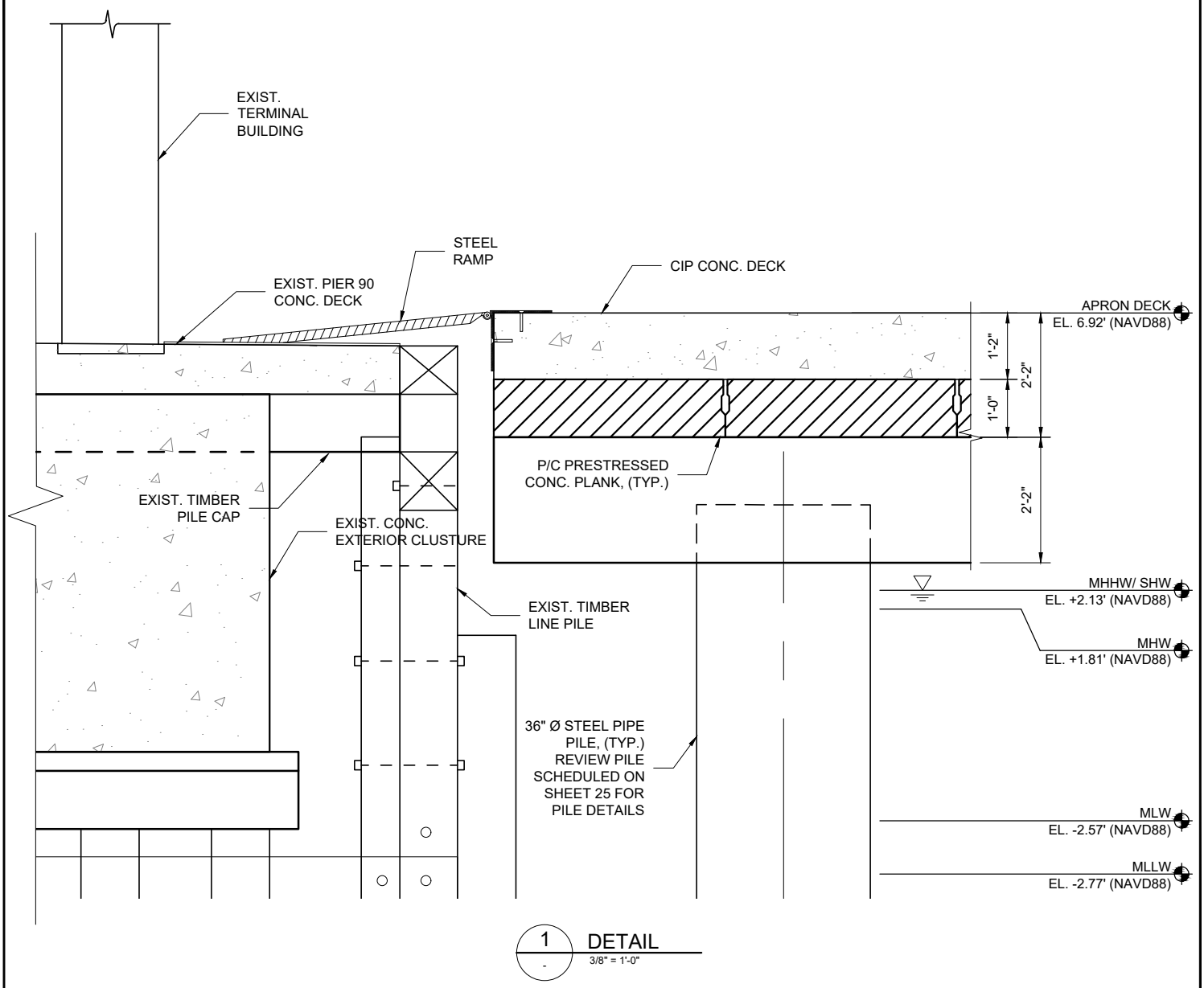
DETAILS
SHEET 1 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 18 OF 26 DATE: 08.15.2023

REVISION



1 - DETAIL
3/8" = 1'-0"

0 2' 4' 6'
SCALE: 3/8" = 1'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

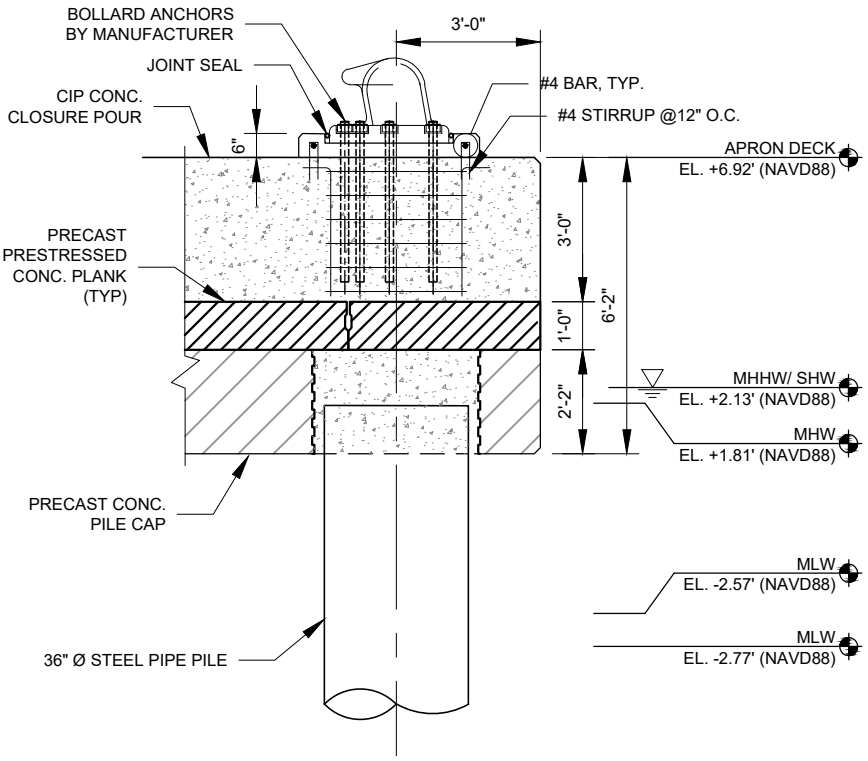
DETAILS
SHEET 2 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

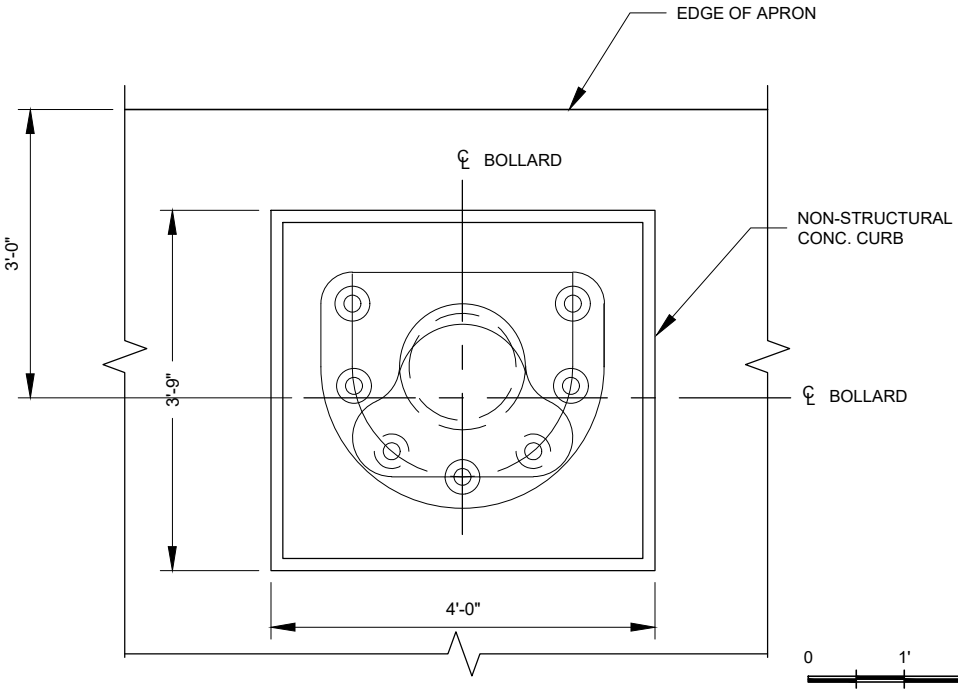
CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 19 OF 26 DATE: 08.15.2023

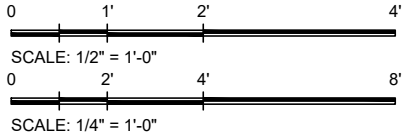
REVISION



A - BOLLARD SECTION
1/4" = 1'-0"



BOLLARD PLAN
SCALE: 1/2" = 1'-0"



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

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

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

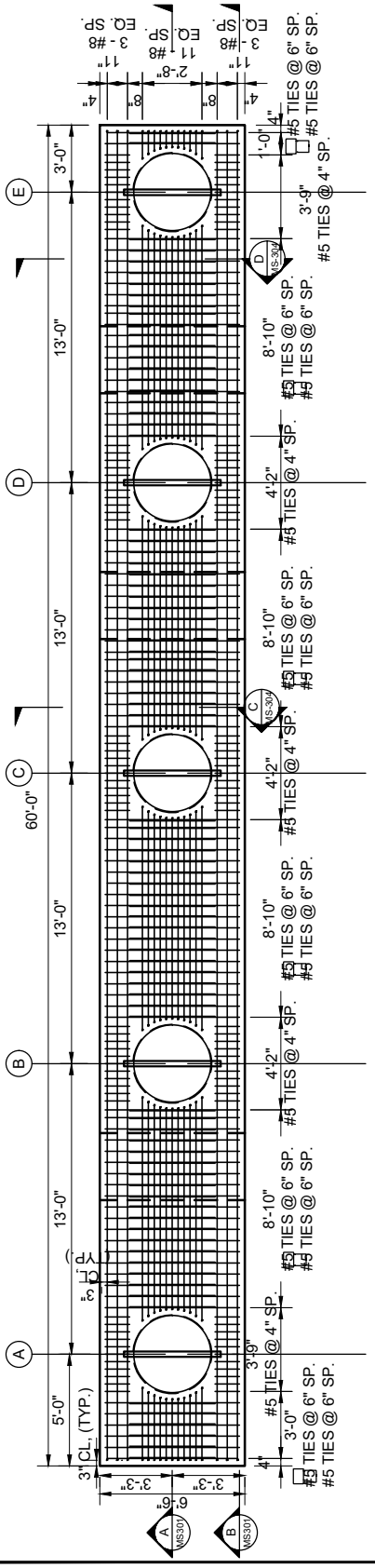
BOLLARD DETAILS

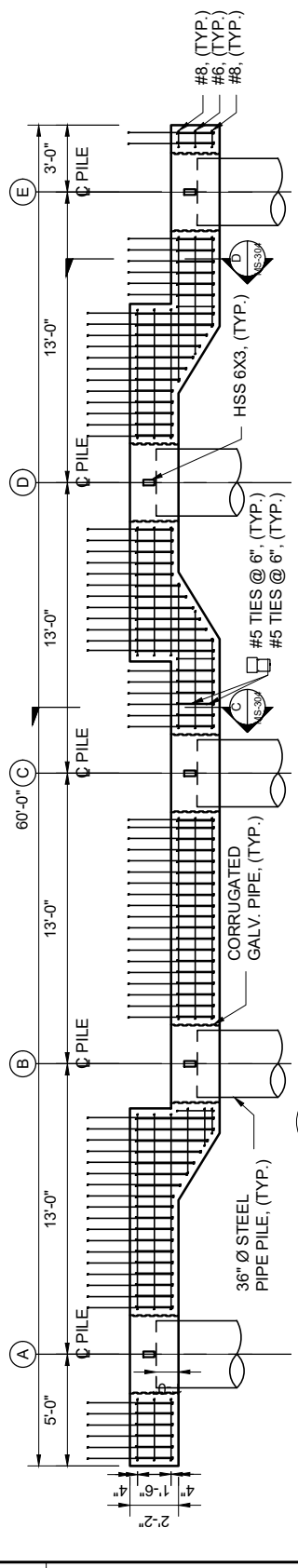
PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

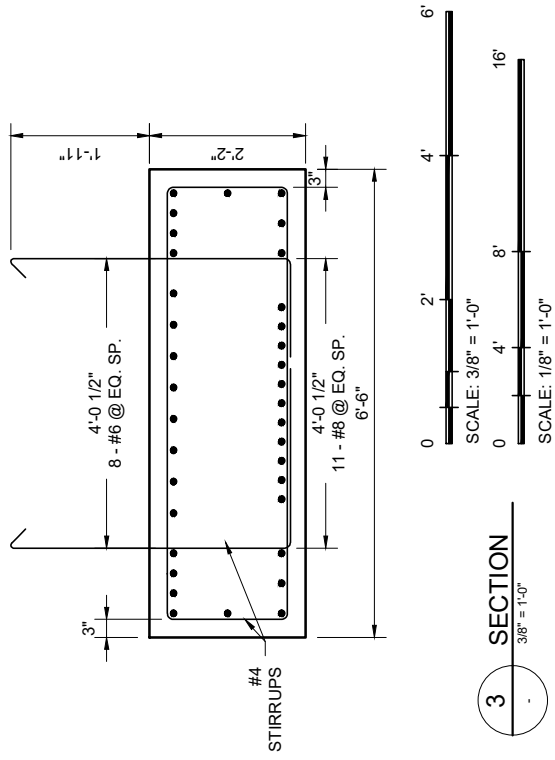
SHEET 20 OF 26 DATE: 08.15.2023

REVISION

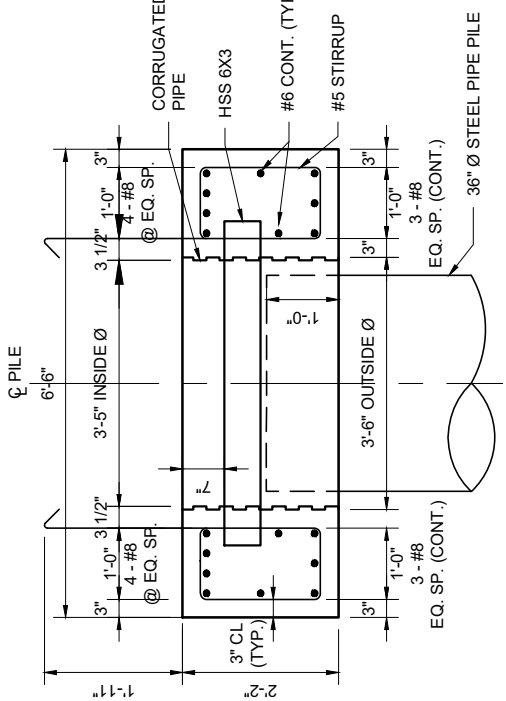




1 - PRECAST PRESTRESSED PLANK - SECTION
1/8" = 1'-0"



3 - SECTION
3/8" = 1'-0"



2 - SECTION
3/8" = 1'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

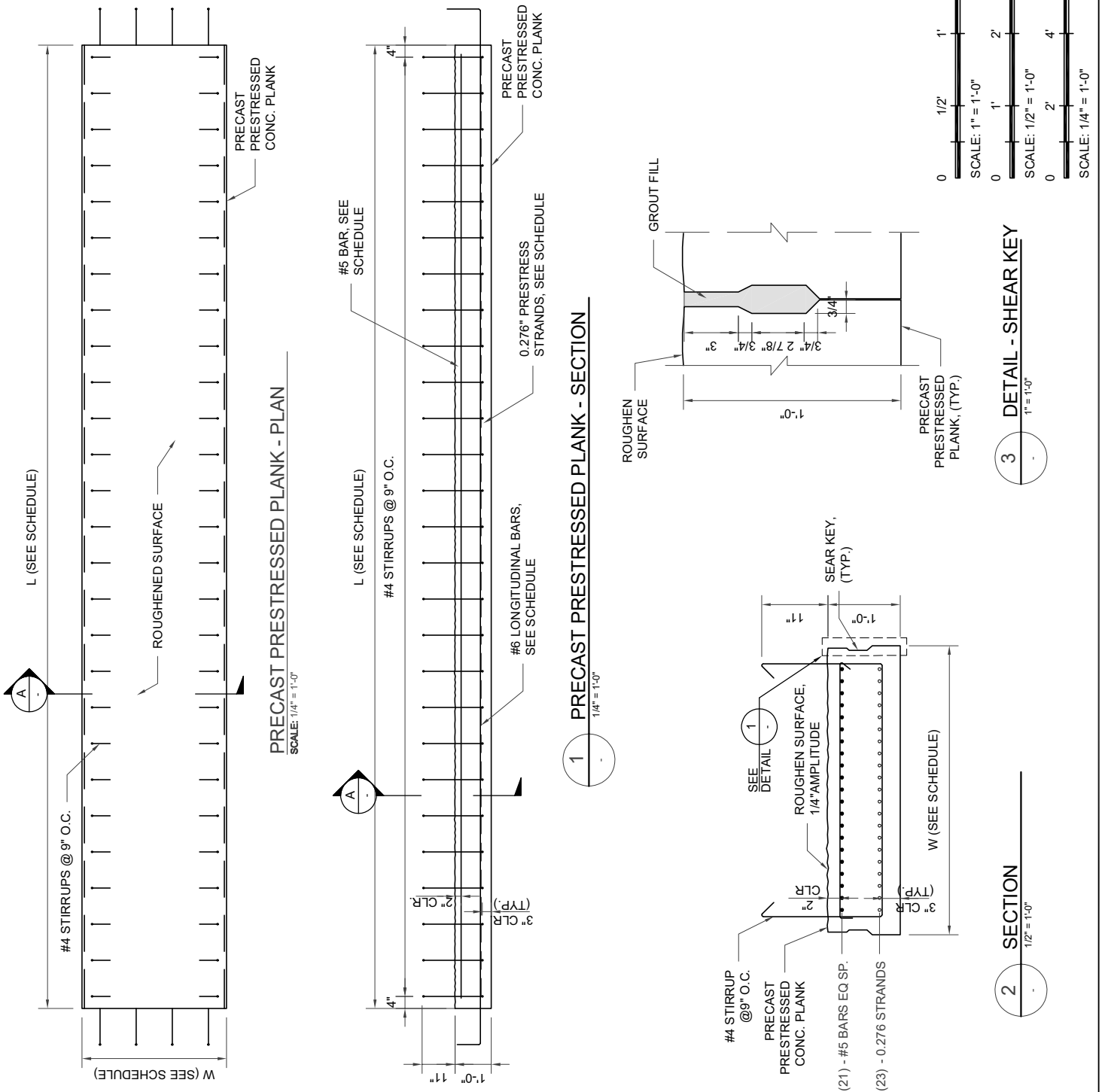
PILE CAP DETAILS

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 21 OF 26 DATE: 08.15.2023

REVISION



PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

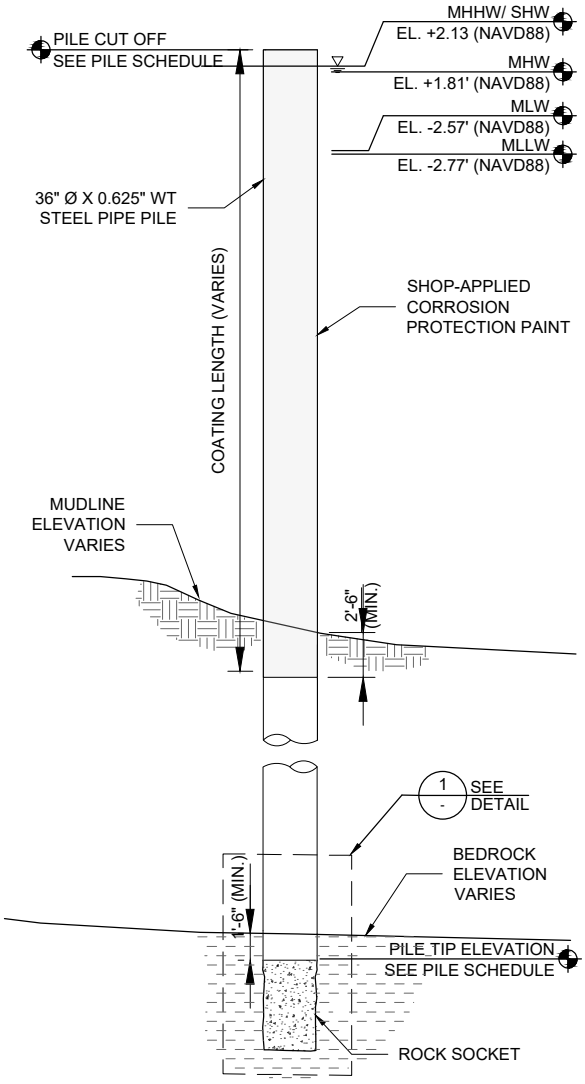
MANHATTAN CRUISE TERMINAL - PIER 90

PRECAST PLANK DETAILS

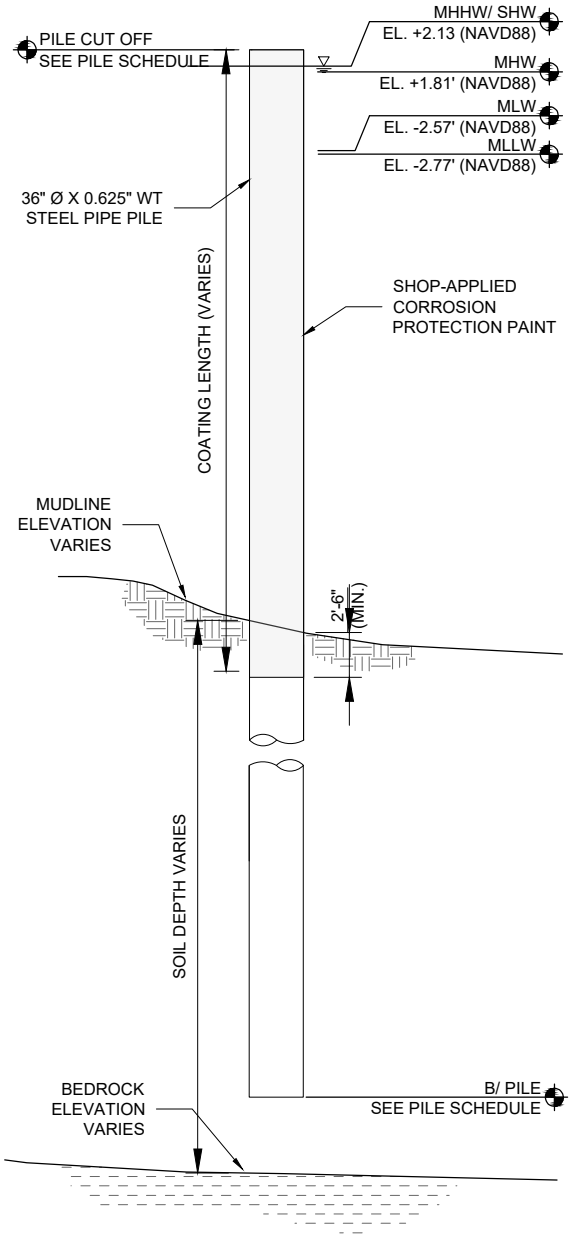
PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 22 OF 26 DATE: 02.10.2023



PILE DETAILS - ROCK SOCKET PILES
SCALE: 3/32" = 1'-0"



PILE DETAILS - FRICTION PILES
SCALE: 3/32" = 1'-0"

0 8' 16' 24'
SCALE: 3/32" = 1'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

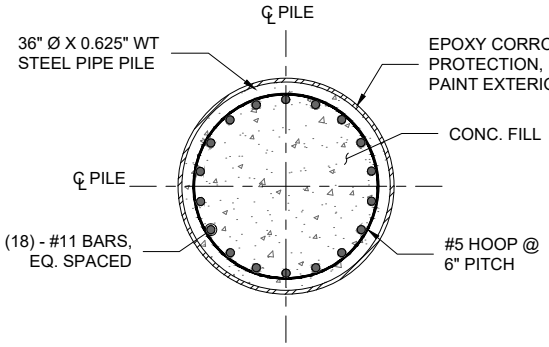
PILE DETAILS
SHEET 1 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

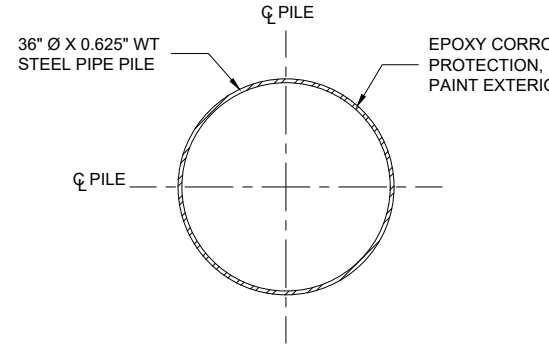
CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 23 OF 26 DATE: 08.15.2023

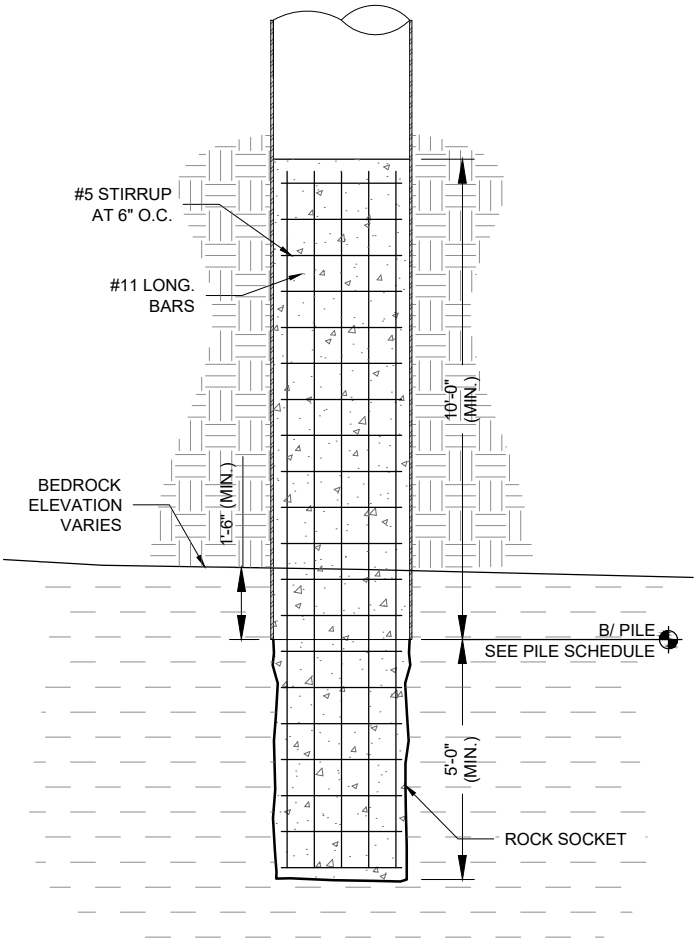
REVISION



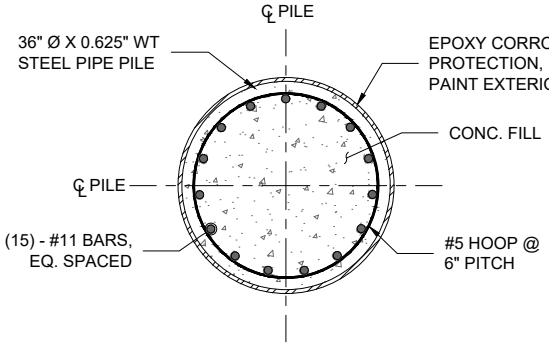
A - PILE SECTION - TOP
3/8" = 1'-0"



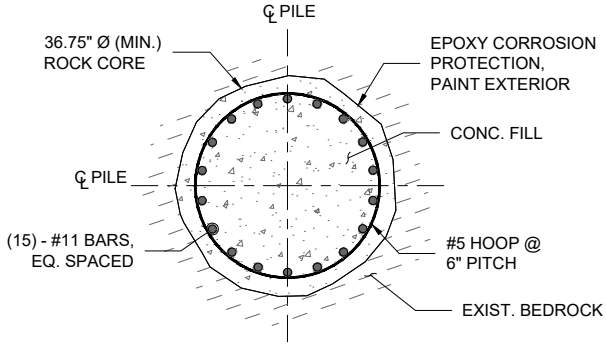
B - PILE SECTION - MIDDLE
3/8" = 1'-0"



1 - DETAIL - ROCK SOCKET
3/16" = 1'-0"



C - PILE SECTION - BOTTOM
3/8" = 1'-0"



D - SECTION - ROCK SOCKET
3/8" = 1'-0"

0 2' 4' 6'
SCALE: 3/8" = 1'-0"

0 8' 16' 24'
SCALE: 3/32" = 1'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

PILE DETAILS
SHEET 2 OF 2

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 24 OF 26 DATE: 08.15.2023

REVISION

36"Ø X0.625"WT STEEL PIPE PILE			
PILE ID	CUT OFF ELEVATION (FT.)	PILE TIP ELEVATION (FT.)	ROCK SOCKET
1-A	-57	1.46	X
1-B	-57	1.46	X
1-C	-57	1.46	X
1-D	-57	1.46	X
1-E	-57	1.46	X
1-F	-57	1.46	X
1-G	-57	1.46	X
2-A	-57	1.46	X
2-B	-57	1.46	X
2-C	-57	1.46	X
2-D	-57	1.46	X
2-E	-57	1.46	X
2-F	-57	1.46	X
2-G	-57	1.46	X
3-A	-57	1.46	X
3-B	-57	1.46	X
3-C	-57	1.46	X
3-D	-57	1.46	X
3-E	-57	1.46	X
3-F	-57	1.46	X
4-A	-57	1.46	X
4-B	-57	1.46	X
4-C	-57	1.46	X
4-D	-57	1.46	X
4-E	-57	1.46	X
5-A	-57	1.46	X
5-B	-57	1.46	X
5-C	-57	1.46	X
5-D	-57	1.46	X
5-E	-57	1.46	X
6-A	-57	1.46	X
6-B	-57	1.46	X
6-C	-57	1.46	X
6-D	-57	1.46	X
6-E	-57	1.46	X
7-A	-57	1.46	X
7-B	-57	1.46	X
7-C	-57	1.46	X
7-D	-57	1.46	X
7-E	-57	1.46	X
8-A	-57	1.46	X
8-B	-57	1.46	X
8-C	-57	1.46	X
8-D	-57	1.46	X
8-E	-57	1.46	X
9-A	-57	1.46	X
9-B	-57	1.46	X

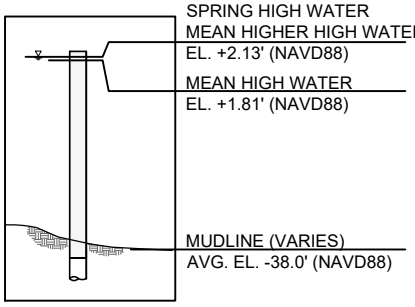
36"Ø X0.625"WT STEEL PIPE PILE			
PILE ID	CUT OFF ELEVATION (FT.)	PILE TIP ELEVATION (FT.)	ROCK SOCKET
9-C	-57	1.46	X
9-D	-57	1.46	X
9-E	-57	1.46	X
10-A	-57	1.46	X
10-B	-57	1.46	X
10-C	-57	1.46	X
10-D	-57	1.46	X
10-E	-57	1.46	X
11-A	-57	1.46	X
11-B	-57	1.46	X
11-C	-57	1.46	X
11-D	-57	1.46	X
11-E	-57	1.46	X
12-A	-57	1.46	X
12-B	-57	1.46	X
12-C	-57	1.46	X
12-D	-57	1.46	X
12-E	-57	1.46	X
13-A	-57	1.46	X
13-B	-57	1.46	X
13-C	-57	1.46	X
13-D	-57	1.46	X
13-E	-57	1.46	X
14-A	-57	1.46	X
14-B	-57	1.46	X
14-C	-57	1.46	X
14-D	-57	1.46	X
14-E	-57	1.46	X
15-A	-57	1.46	X
15-B	-57	1.46	X
15-C	-57	1.46	X
15-D	-57	1.46	X
15-E	-57	1.46	X
16-A	-57	1.46	X
16-B	-57	1.46	X
16-C	-57	1.46	X
16-D	-57	1.46	X
16-E	-57	1.46	X
17-A	-57	1.46	X
17-B	-57	1.46	X
17-C	-57	1.46	X
17-D	-57	1.46	X
17-E	-57	1.46	X
18-A	-113	1.46	X
18-B	-113	1.46	X
18-C	-113	1.46	X
18-D	-113	1.46	X

36"Ø X0.625"WT STEEL PIPE PILE			
PILE ID	CUT OFF ELEVATION (FT.)	PILE TIP ELEVATION (FT.)	ROCK SOCKET
18-E	-113	1.46	X
19-A	-113	1.46	X
19-B	-113	1.46	X
19-C	-113	1.46	X
19-D	-113	1.46	X
19-E	-113	1.46	X
20-A	-113	1.46	X
20-B	-113	1.46	X
20-C	-113	1.46	X
20-D	-113	1.46	X
20-E	-113	1.46	X
21-A	-113	1.46	X
21-B	-113	1.46	X
21-C	-113	1.46	X
21-D	-113	1.46	X
21-E	-113	1.46	X
22-A	-113	1.46	X
22-B	-113	1.46	X
22-C	-113	1.46	X
22-D	-113	1.46	X
22-E	-113	1.46	X
23-A	-143	1.46	X
23-B	-143	1.46	X
23-C	-143	1.46	X
23-D	-143	1.46	X
23-E	-143	1.46	X
24-A	-143	1.46	X
24-B	-143	1.46	X
24-C	-143	1.46	X
24-D	-143	1.46	X
24-E	-143	1.46	X
25-A	-143	1.46	X
25-B	-143	1.46	X
25-C	-143	1.46	X
25-D	-143	1.46	X
25-E	-143	1.46	X
26-A	-143	1.46	X
26-B	-143	1.46	X
26-C	-143	1.46	X
26-D	-143	1.46	X
26-E	-143	1.46	X
27-A	-143	1.46	X
27-B	-143	1.46	X
27-C	-143	1.46	X
27-D	-143	1.46	X
27-E	-143	1.46	X
28-A	-164	1.46	X

36"Ø X0.625"WT STEEL PIPE PILE			
PILE ID	CUT OFF ELEVATION (FT.)	PILE TIP ELEVATION (FT.)	ROCK SOCKET
28-B	-164	1.46	X
28-C	-164	1.46	X
28-D	-164	1.46	X
28-E	-164	1.46	X
29-A	-164	1.46	
29-B	-164	1.46	
29-C	-164	1.46	
29-D	-164	1.46	
29-E	-164	1.46	
30-A	-164	1.46	
30-B	-164	1.46	
30-C	-164	1.46	
30-D	-164	1.46	
30-E	-164	1.46	
31-A	-164	1.46	
31-B	-164	1.46	
31-C	-164	1.46	
31-D	-164	1.46	
31-E	-164	1.46	
32-A	-164	1.46	
32-B	-164	1.46	
32-C	-164	1.46	
32-D	-164	1.46	
32-E	-164	1.46	
33-A	-164	1.46	
33-B	-164	1.46	
33-C	-164	1.46	
33-D	-164	1.46	
33-E	-164	1.46	
34-A	-180	1.46	
34-B	-180	1.46	
34-C	-180	1.46	
34-D	-180	1.46	
34-E	-180	1.46	
35-A	-180	1.46	
35-B	-180	1.46	
35-C	-180	1.46	
35-D.1	-180	1.46	
36-A	-180	1.46	
36-B	-180	1.46	
36-C.1	-180	1.46	

PILE SCHEDULE

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



PROPOSED STEEL PIPE PILES IN-WATER VOLUMES				
TYPE	QTY.	AREA (SF)	LENGTH (LF)	VOLUME (CF)
36"Ø X 0.625" WT STEEL PIPE PILE	182	7.07	2.13'- (-38.0') = 40.13'	51,637

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

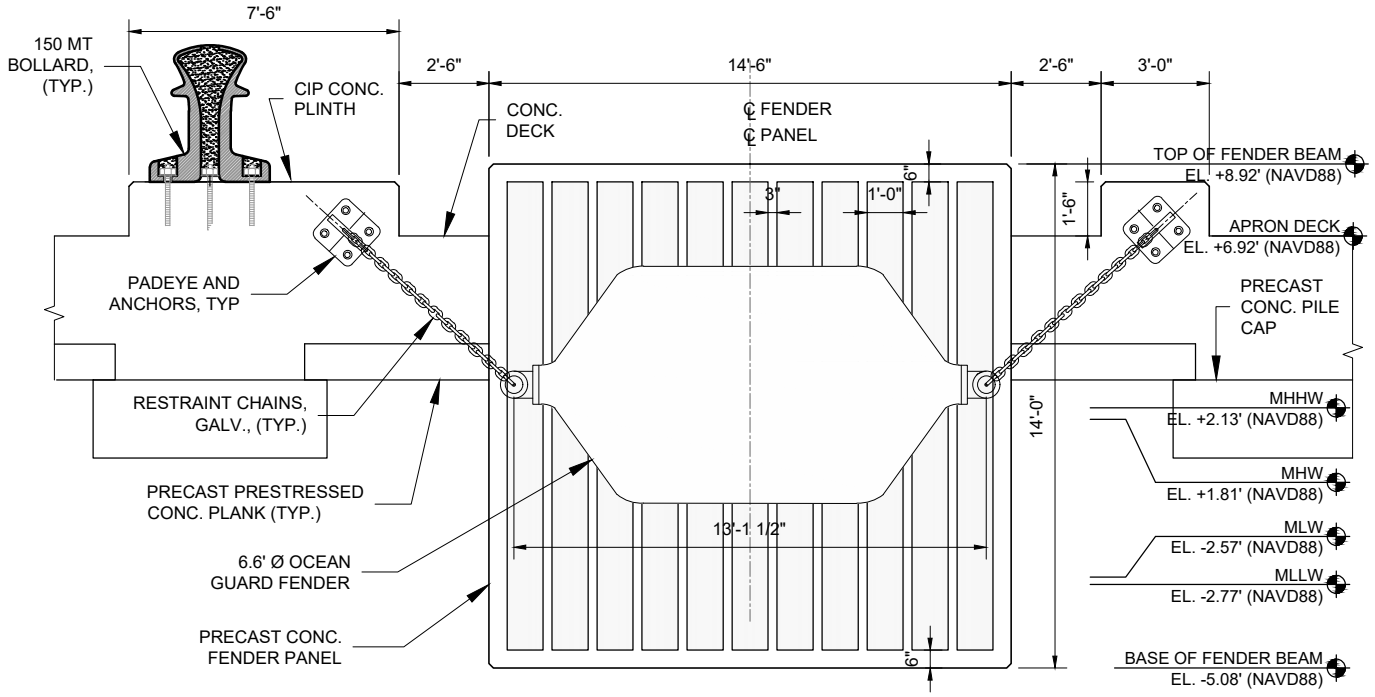
PILE SCHEDULE

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

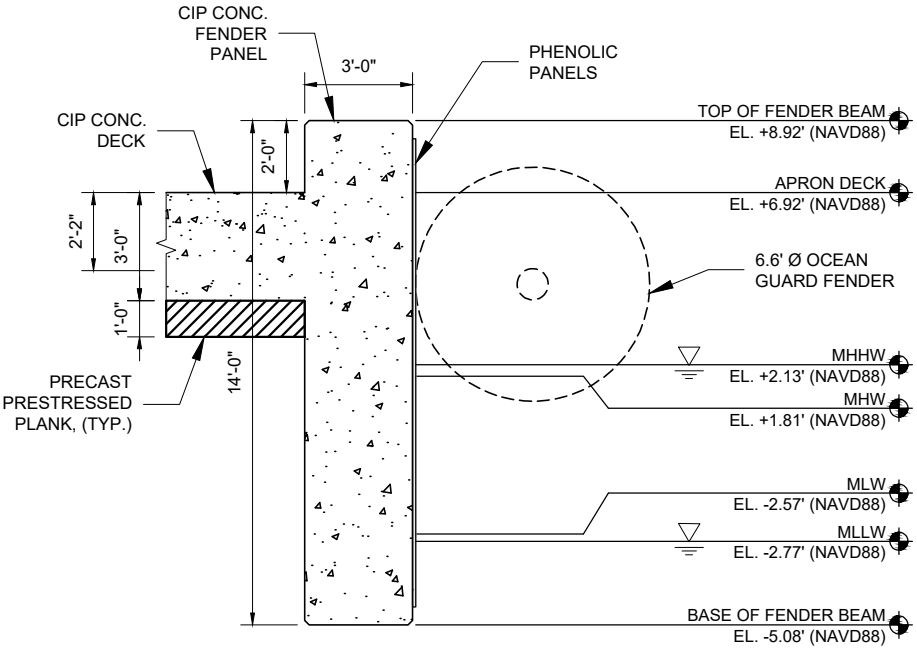
CITY: NEW YORK
COUNTY: NEW YORK COUNTY
APPLICANT: PORTS AMERICA
OWNER: NEW YORK CITY - DSBS

SHEET 25 OF 26 DATE: 08.15.2023

REVISION



2 - FENDER ELEVATION
3/16" = 1'-0"



A - FENDER SECTION
3/16" = 1'-0"

0 4' 8' 12'
SCALE: 3/16" = 1'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS, ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

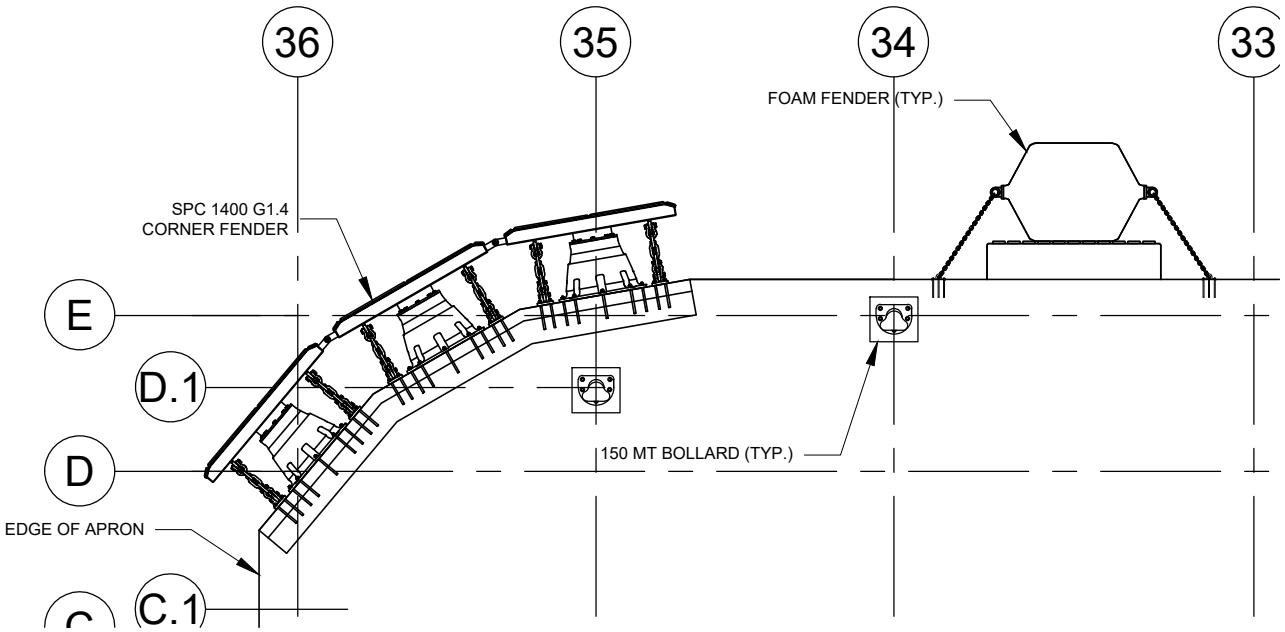
FENDER DETAILS

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

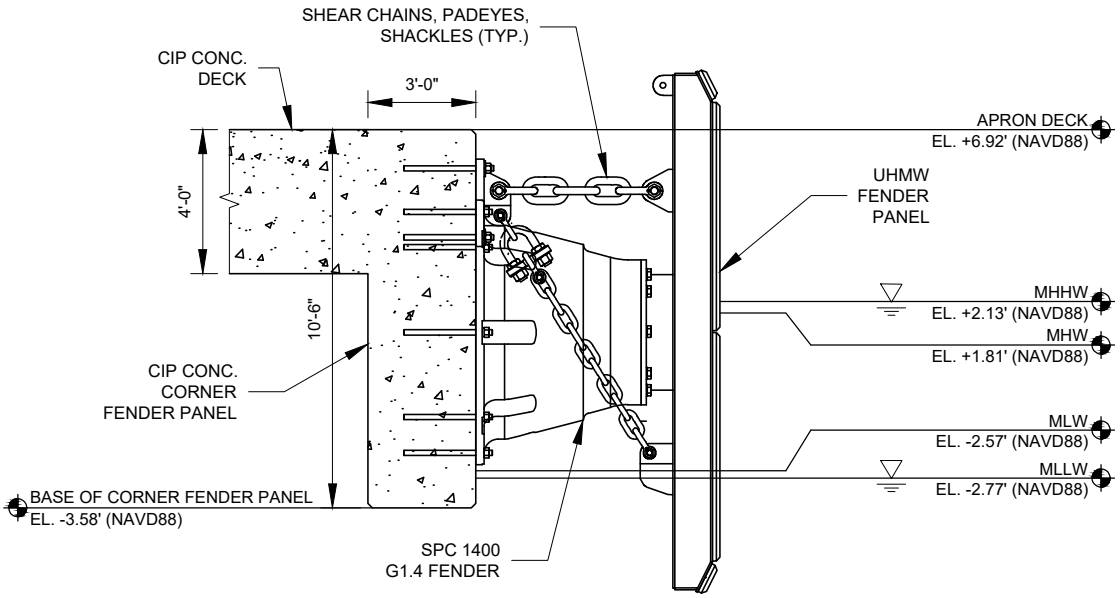
SHEET 26 OF 26 DATE: 08.15.2023

REVISION



2 - CORNER FENDER - PLAN
3/4" = 1'-0"

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



A - CORNER FENDER SECTION
3/16" = 1'-0"

0 4' 8' 12'
SCALE: 3/16" = 1'-0"

PURPOSE:

NEW APRON STRUCTURE FOR OPERATIONAL UPGRADE OF EXISTING TERMINAL

PREPARED BY:

BERMELLO AJAMIL & PARTNERS,
ARCHITECTS AND ENGINEERS, INC.
NEW YORK, NY

MANHATTAN CRUISE TERMINAL - PIER 90

CORNER FENDER DETAILS

PROPOSED:
CONSTRUCTION OF PIER 90 NORTH APRON FOR CRUISE SHIPS AND REHABILITATION OF EXISTING INSHORE PLATFORM

CITY:	NEW YORK
COUNTY:	NEW YORK COUNTY
APPLICANT:	PORTS AMERICA
OWNER:	NEW YORK CITY - DSBS

SHEET 27 OF 27 DATE: 08.15.2023