



09 MAY 2024

PUBLIC NOTICE D01-209-2024

PROPOSED REPLACEMENT OF THE NEWARK BAY-HUDSON COUNTY EXTENSION BETWEEN INTERCHANGES 14 AND 14A (EXTENSION) INCLUDING THE VINCENT R. CASCIANO MEMORIAL, NEWARK BAY BRIDGE (NBB) ACROSS NEWARK BAY, MILE 3.8, BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY, NEW JERSEY

All interested parties are notified that a U.S. Coast Guard (USCG) bridge permit application, and a draft National Environmental Policy Act (NEPA) Environmental Assessment from the New Jersey Turnpike Authority (NJTA) have been received by the Commander, First Coast Guard District, for approval of the enclosed plans to replace a bridge over a navigable waterway of the United States.

Further, the Department of the Army (USACE) has received an application from the NJTA for a Section 408 permission for certain work at or near the Newark Bay Channel Federal Navigation Project, as described in this public notice and shown on attached plans. The purpose of this public notice is to elicit comments from the public, government, and marine community regarding the proposed action.

WATERWAY AND LOCATION: The proposed replacement of the bridge would be constructed over the Newark Bay, mile 3.8, between Newark, Essex County and Bayonne, Hudson County, New Jersey. More specifically, the western terminus of the proposed action is Interchange 14 in Newark where the Extension intersects with the NJ Turnpike (I-95) mainline roadway, Interstate Route 78 and U.S. Routes 1 and 9. The eastern terminus of the proposed action is Interchange 14A in Jersey City and Bayonne where the Extension intersects with NJ Routes 440 and 185 and local streets.

CHARACTER OF THE WORK: The NJTA proposes to replace all roadway bridges and viaducts, including the NBB, while widening the roadway between Interchanges 14 and 14A from the existing two-way traffic lanes in each direction to carry four travel lanes in each direction. Specifically, the existing NBB will be replaced with two compliant bridges with one bridge carrying four travel lanes in the eastbound direction and the other bridge carrying four travel lanes in the westbound direction. One of the replacement bridges will be constructed off-line immediately to the north and carry westbound roadway traffic. The other replacement bridge will be replaced on approximately the same alignment as the existing NBB and will carry eastbound roadway traffic.

The proposed project will improve the navigational clearances of the Newark Bay Bridge, improve sea level resiliency, improve the long-term integrity of the Extension's structures, and improve the safety of commuter and marine traffic. The horizontal navigational clearance of 550feet and vertical clearance of 135feet Mean High Water (MHW) remain unchanged.

The NJTA has agreed to remove the existing piers 2-feet below the mudline, except that existing piers W1 & E1 will remain for integration with the fender design. The northwest corner of pier E1 will be dredged to the limit of the USACE maintained Newark Bay North Reach navigational channel to a depth of 2-feet below the authorized channel depth of 35-feet MLLW. The approximate volume of concrete to be removed is 20-cubic yards and 1.75-linear feet of 7 steel piers. All proposed foundations would be drilled shafts. A temporary bridge will not be required for this project.

MINIMUM NAVIGATIONAL CLEARANCES:

The proposed replacement bridge will have clearances as described in the table below. These clearances are no change from current clearances over this section of the waterway at or near this mile. Vertical clearance is from low member elevation to mean high water (MHW).

EXISTING CLEARANCES UNCHANGED FOR PROPOSED PROJECT	
Horizontal Clearances:	Vertical Clearance:
Navigational Channel: 500-feet Between Fenders: 611.65-feet	135-feet MHW 132.6-feet MLW
NAVD1988	

ENVIRONMENTAL CONSIDERATIONS: The USCG is the lead federal agency for satisfying the requirements of the National Environmental Policy Act (NEPA) as amended. The USCG has tentatively determined that the proposed action will not have a significant impact for purposes of NEPA under the criteria given in the Coast Guard’s NEPA implementation instruction. As a result, the USCG plans to issue a “Finding of No Significant Impact” (FONSI) for the proposed project, unless significant impacts are revealed by this public notification and public information events.

A Draft Environmental Assessment (EA) was issued in February 2024. Environmental documents are posted on-line at https://www.njta.com/capitalprojects/newark_bay_hudson_county. Copies of the Draft EA for comment are additionally available for viewing at the following locations:

- Newark Public Library/** 5 Washington Street Newark, New Jersey, 07102
- Bayonne Public Library/** Story Court Temporary Branch at 16 W 4th Street, Bayonne, 07002
- Jersey City Public Library/** Earl A. Morgan Branch , 1841 John F. Kennedy Boulard, Jersey City 07305

Please visit the program website [Newark Bay Hudson County Extension Improvements Program \(njta.com\)](https://www.njta.com) for more information and upcoming public informational events.

The proposed replacement bridge is located in a floodplain. The 100-year flood elevation varies between 14-feet and 15-feet within the limits of the NBB. A Water Quality Certificate (WQC) The WQC and Coastal Zone Consistency Determination were issued on April 3, 2024. NJDEP also determined that the proposed bridge replacement meets the requirements of the State’s Flood Hazard Area Control Act Rules.

The USACE’s authority for this project falls under Section 404 of the Clean Water Act, authorized with a Nationwide Permit 15. A Section 408 permit application is pending USACE review.

The NJTA performed a Phase I Archaeological Survey and Intensive Historic Architectural Survey for the proposed bridge project during the environmental review process. The NJTA determined that the proposed project will have adverse impacts to historic architecture and property listed or eligible for listing in the National Register of Historic Places (NRHP) or otherwise of archaeological, historical, or architectural significance. Per Section 106 of the National Historic Preservation Act of 1966, the NJTA, as the Coast Guard’s designated Federal representative, coordinated with the New Jersey Historic Preservation Office (NJHPO). Mitigation measures identified in consultation with the NJHPO and other consulting parties through the development of a Programmatic Agreement will resolve adverse effects and conclude the Section 106 process. Specific information regarding the Area of Potential Effects (APE)

and properties and locations listed in the NRHP in Newark Bay, Morris Canal, City of Bayonne, City of Newark and City of Jersey City are described in the EA.

Informal consultations initiated with the National Oceanic and Atmospheric Administration, Fish and Wildlife Administration and the National Marine Fisheries Service are pending. Detailed information regarding environmental compliance with NEPA is described in the EA regarding applicable Federal laws, including and not limited to: Endangered Species Act, Marine Mammal Protection Act, Migratory Bird Treaty Act, Bald and Golden Eagle Act.

SOLICITATION OF COMMENTS: Mariners are requested to comment on the placement of a bridge protective system and other navigational safety issues, including the need for clearance systems and extent of nighttime navigation to determine the need for bridge lighting. Boat owners are requested to provide information about their vessels including type of vessel, length overall, draft, beam, and height from the waterline to the highest fixed point and to appurtenances (e.g., tuna towers, flying bridges, fixed antennas and radar units) and other navigational safety issues.

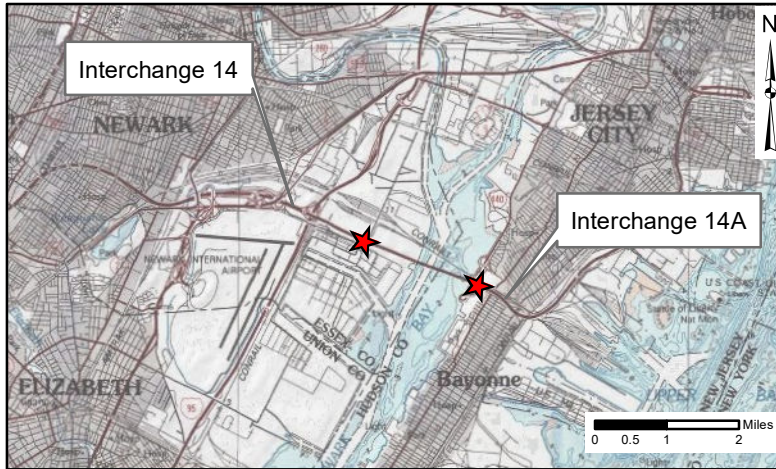
Interested parties are requested to express their views, in writing, on the proposed bridge project including its possible environmental impacts to include those impacts on minority and/or low-income populations, if any, giving sufficient detail to establish a clear understanding of the reasons for support of, or opposition to, the proposed work. Comments regarding this Public Notice will be received for the record at the address above or by e-mail to SMB-D1Boston-Bridges-PublicNotices@uscg.mil through June 11. All comments of an environmental nature such as those regarding wildlife refuges, waterfowl refuges, public parks, historic sites, wetlands, floodplain issues, air, water quality, etc. will be appropriately considered. Comments regarding matters under the jurisdiction of the USACE will be forwarded to the USACE. It is requested that this information be brought to the attention of any person having an interest who may not have received a copy of this public notice.

Plans of the proposed project, a location map and USACE figures are included in this public notice.

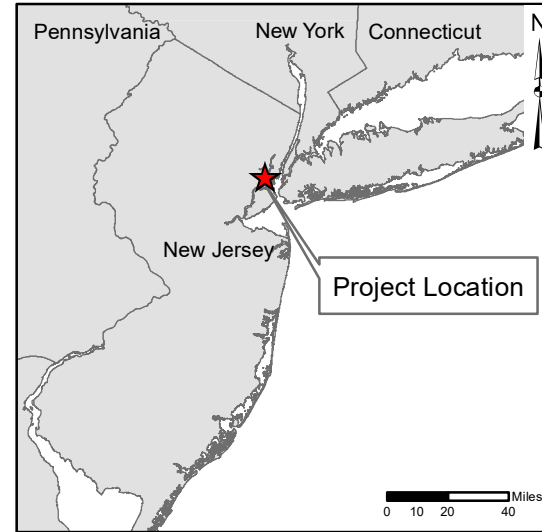
Translated copies of this public notice into Spanish, Portuguese, Polish, Hindi, Tagalog, and Arabic have additionally been posted on the USCG Navigational Center's website.

<http://www.navcen.uscg.gov/?pageName=pnBridges&Active=1®ion=1>.

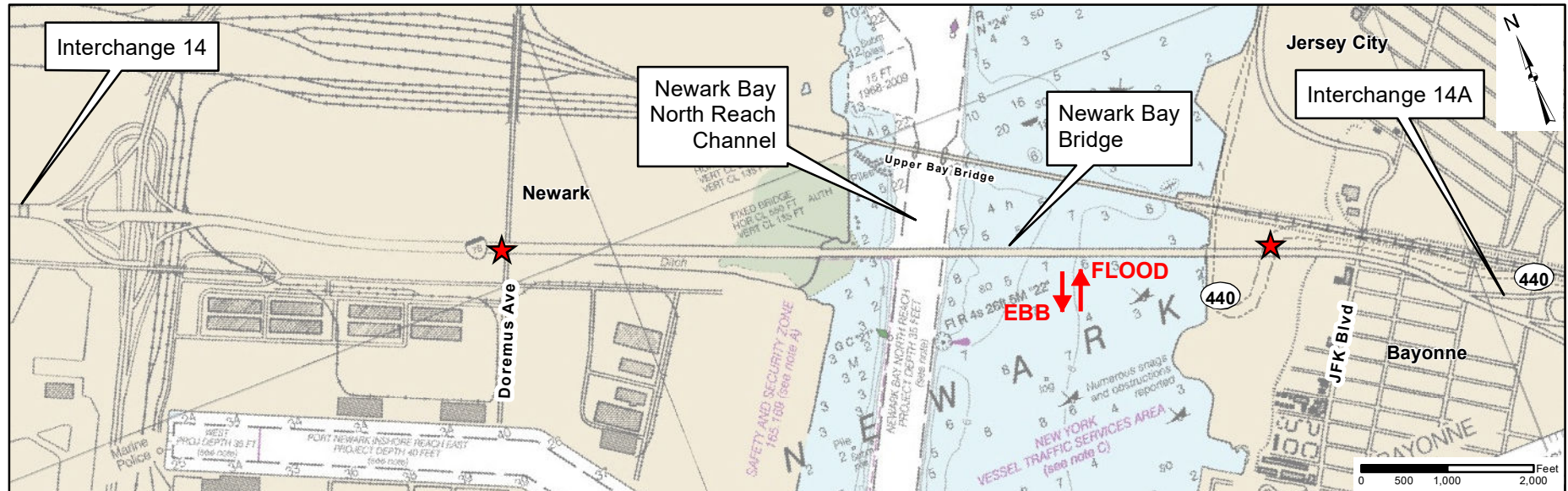
Donna. A. Fisher
Bridge Program Manager
U.S. Coast Guard
By direction



VICINITY MAP



Project Location

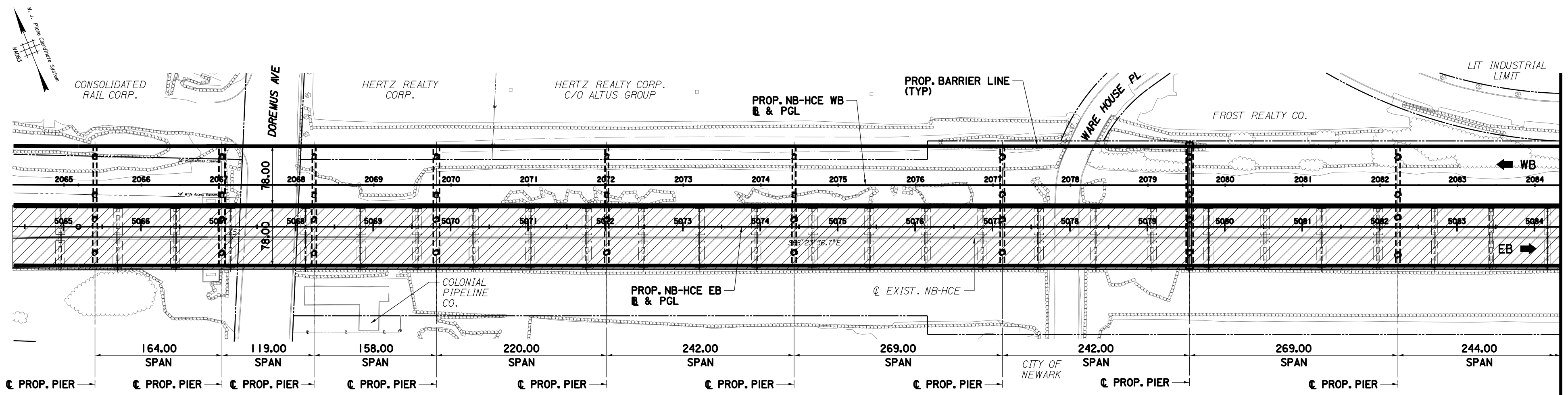


PROJECT SITE MAP

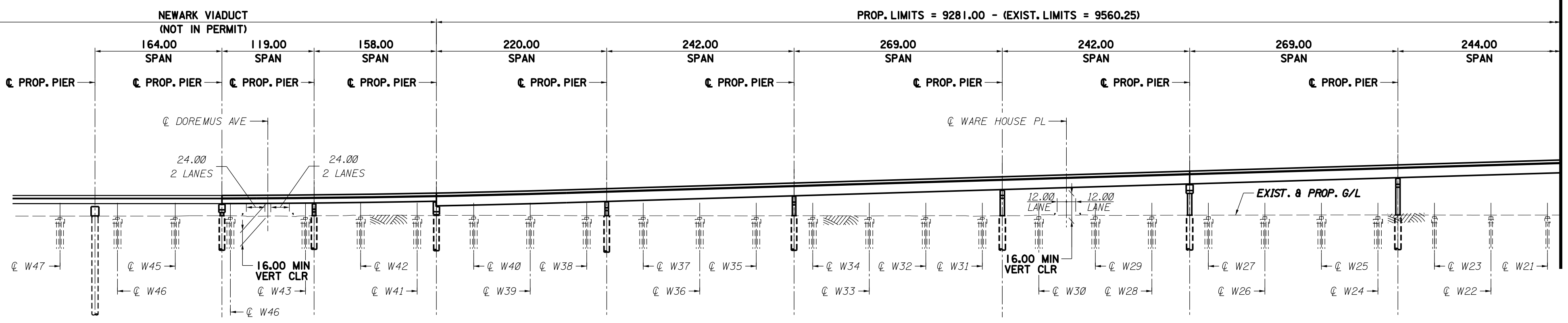
★ Approximate Limits of Newark Bay Bridge

NEW JERSEY TURNPIKE AUTHORITY	
NEWARK BAY-HUDSON COUNTY EXTENSION PROGRAM PROJECT 1 - INTERCHANGES 14 TO 14A NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED IMPROVEMENTS NEWARK BAY MP 3.8 BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY NEW JERSEY	
VICINITY MAP	
CONSULTANTS: GANNETT FLEMING, INC. WSP USA, INC.	DATE: APRIL 26, 2024 SHEET: 1 OF 8

SOURCES:
ESRI, USGS MAP SERVICE. WSP 2022.



PLAN



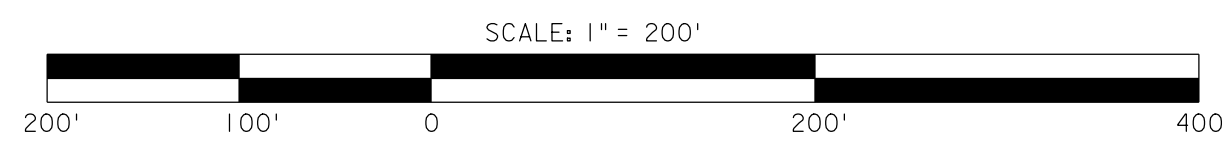
NOTES:

- EXISTING BOTTOM OF CHANNEL TAKEN AT THE CENTER LINE OF THE EXISTING BRIDGE BASED ON 2021 BATHYMETRIC SURVEY DATA. ELEVATIONS BASED ON NAVD 88.
- ALL DIMENSIONS AND DISTANCES ARE IN US LINEAR FEET IN DECIMAL FORMAT.
- SEE NOTES ON GENERAL PLAN AND ELEVATION - 3.

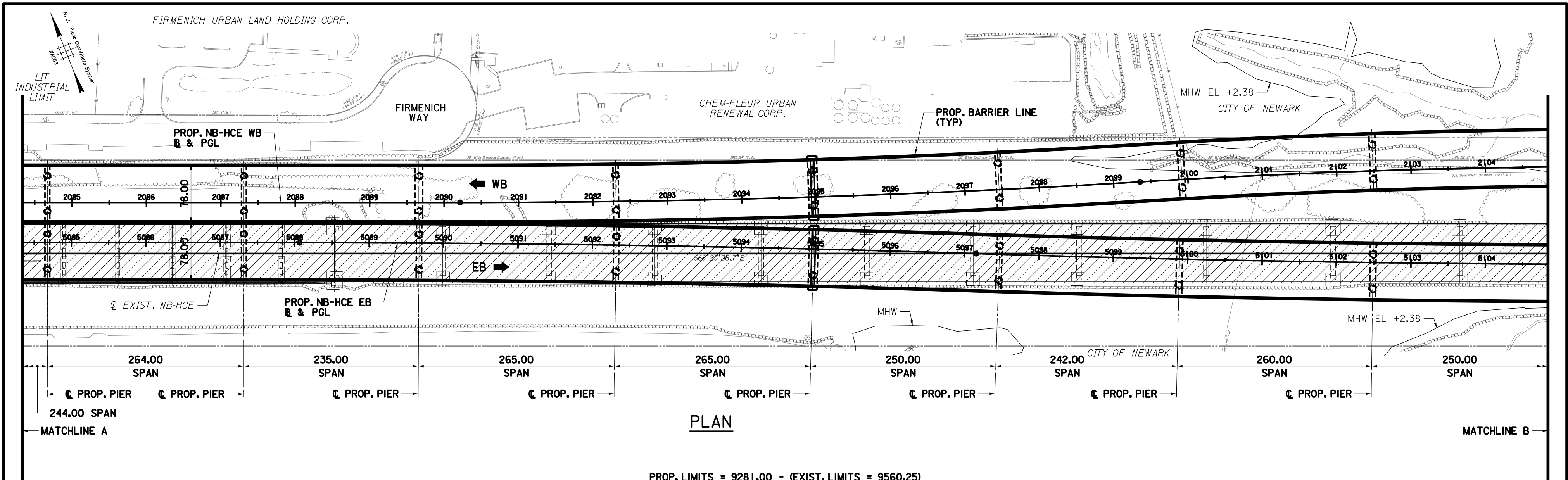
LEGEND:

 EXIST. NB-HCE BRIDGE AREA OF REMOVAL

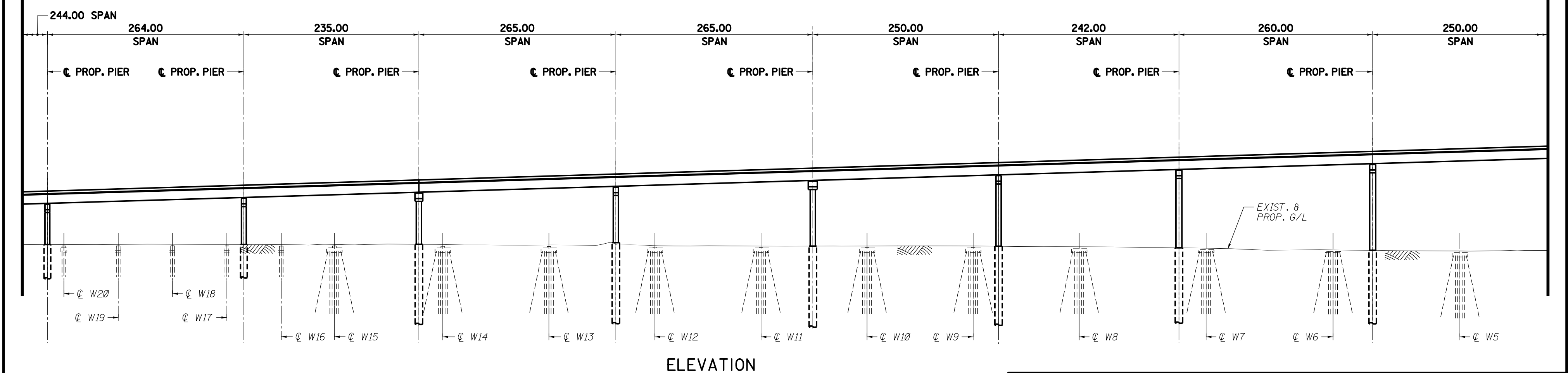
NOTE:
CONCEPTUAL PLANS UTILIZED TO OBTAIN
COAST GUARD BRIDGE PERMIT.



NEW JERSEY TURNPIKE AUTHORITY	
NEWARK BAY - HUDSON COUNTY EXTENSION PROGRAM PROJECT 1 - INTERCHANGES 14 TO 14A NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED IMPROVEMENTS NEWARK BAY MP 3.8 BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY NEW JERSEY	
GENERAL PLAN AND ELEVATION - 1	
CONSULTANTS: GANNETT FLEMING, INC. WSP USA, INC.	DATE: APRIL 26, 2024 SHEET: 2 OF 8



PROP. LIMITS = 9281.00 - (EXIST. LIMITS = 9560.25)



ELEVATION

- NOTES:**
- EXISTING BOTTOM OF CHANNEL TAKEN AT THE CENTER LINE OF THE EXISTING BRIDGE BASED ON 2021 BATHYMETRIC SURVEY DATA. ELEVATIONS BASED ON NAVD 88.
 - ALL DIMENSIONS AND DISTANCES ARE IN US LINEAR FEET IN DECIMAL FORMAT.
 - SEE NOTES ON GENERAL PLAN AND ELEVATION - 3.

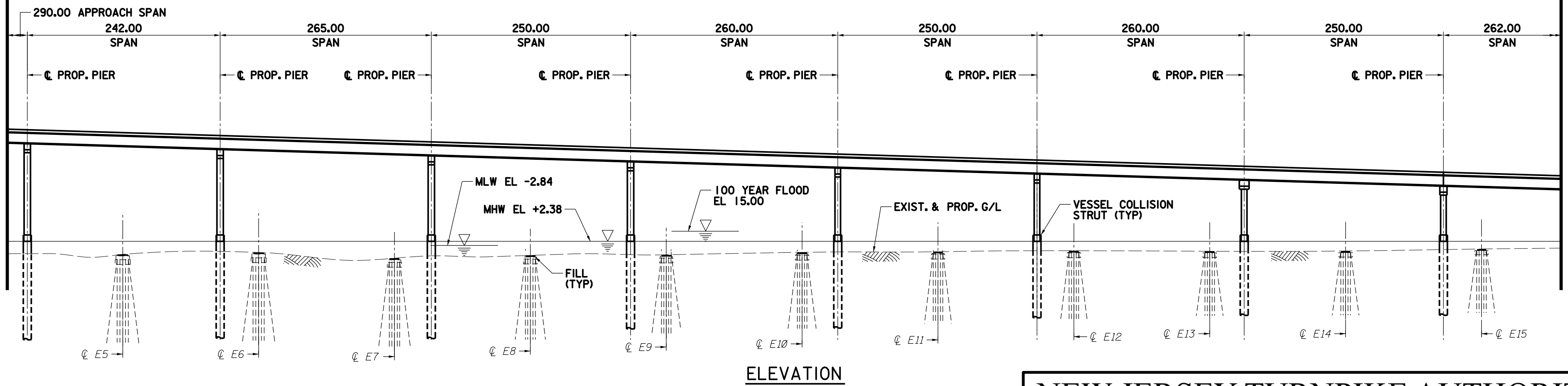
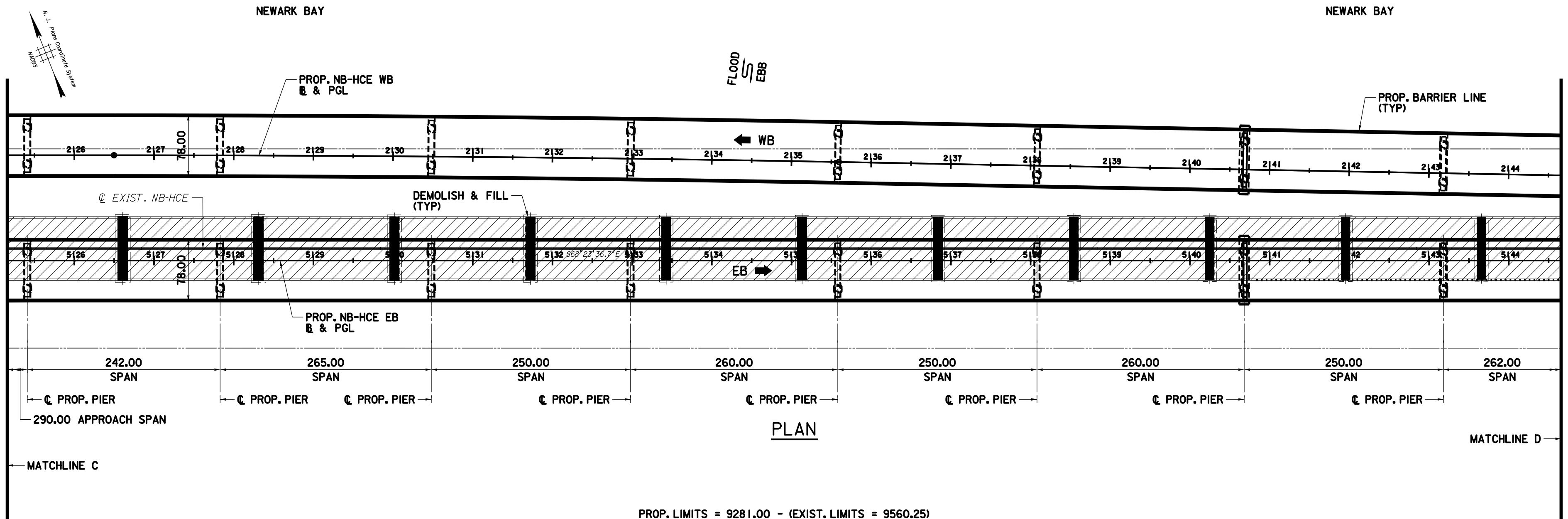
LEGEND:

 EXIST. NB-HCE BRIDGE AREA OF REMOVAL

NOTE:
CONCEPTUAL PLANS UTILIZED TO OBTAIN
COAST GUARD BRIDGE PERMIT.



NEW JERSEY TURNPIKE AUTHORITY	
NEWARK BAY - HUDSON COUNTY EXTENSION PROGRAM PROJECT 1 - INTERCHANGES 14 TO 14A NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED IMPROVEMENTS NEWARK BAY MP 3.8 BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY NEW JERSEY	
GENERAL PLAN AND ELEVATION - 2	
CONSULTANTS: GANNETT FLEMING, INC. WSP USA, INC.	DATE: APRIL 26, 2024 SHEET: 3 OF 8



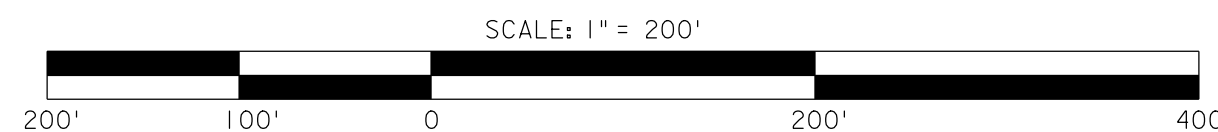
NOTES:

1. EXISTING BOTTOM OF CHANNEL TAKEN AT THE CENTER LINE OF THE EXISTING BRIDGE BASED ON 2021 BATHYMETRIC SURVEY DATA. ELEVATIONS BASED ON NAVD 88.
2. ALL DIMENSIONS AND DISTANCES ARE IN US LINEAR FEET IN DECIMAL FORMAT.
3. SEE NOTES ON GENERAL PLAN AND ELEVATION - 3.

LEGEND:

- EXIST. NB-HCE BRIDGE AREA OF REMOVAL
- REMOVE MIN 2.00 BELOW MUDLINE & FILL

NOTE:
CONCEPTUAL PLANS UTILIZED TO OBTAIN
COAST GUARD BRIDGE PERMIT.



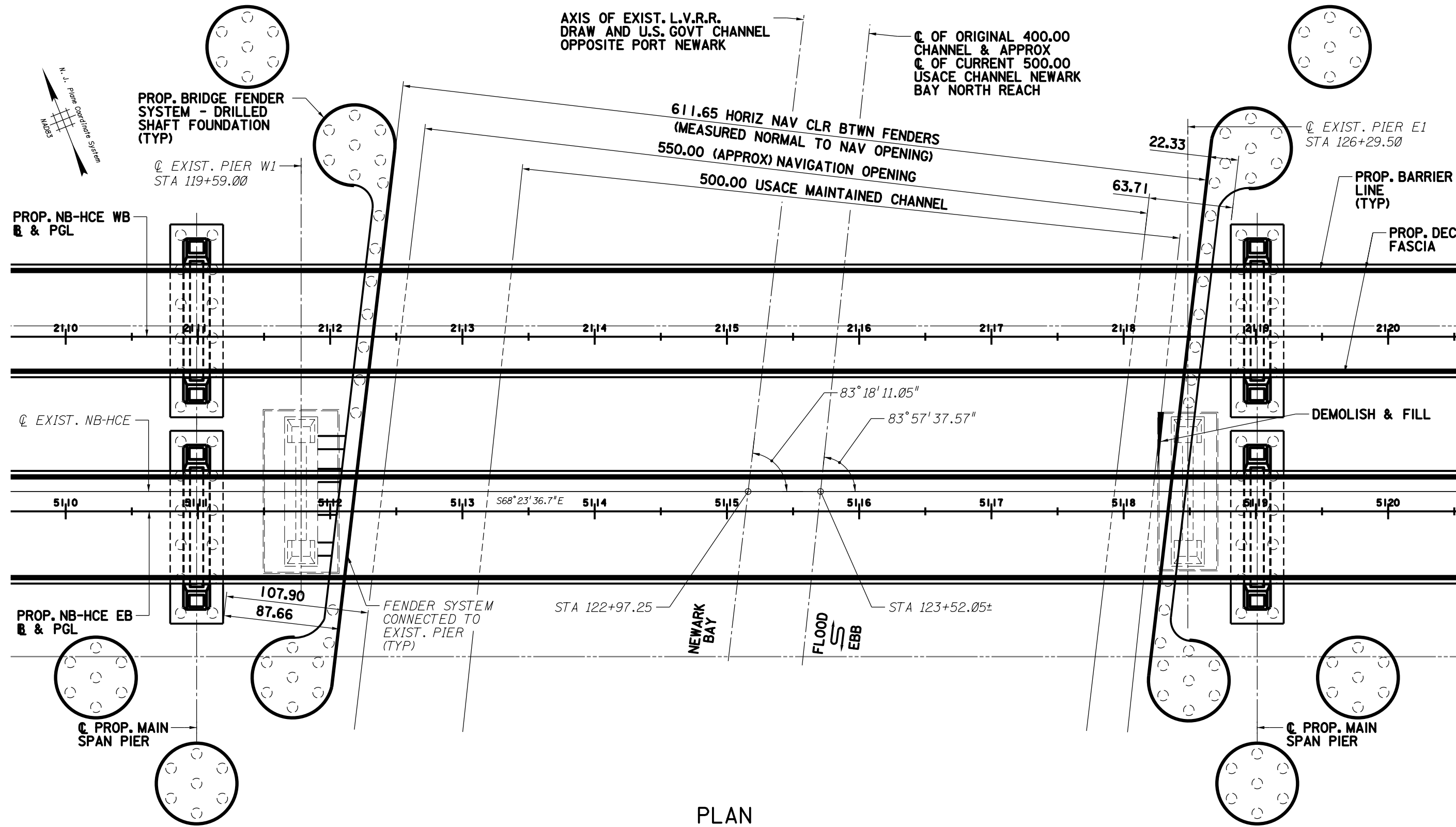
NEW JERSEY TURNPIKE AUTHORITY

NEWARK BAY - HUDSON COUNTY EXTENSION PROGRAM
PROJECT 1 - INTERCHANGES 14 TO 14A
NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED IMPROVEMENTS
NEWARK BAY MP 3.8
BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY
NEW JERSEY

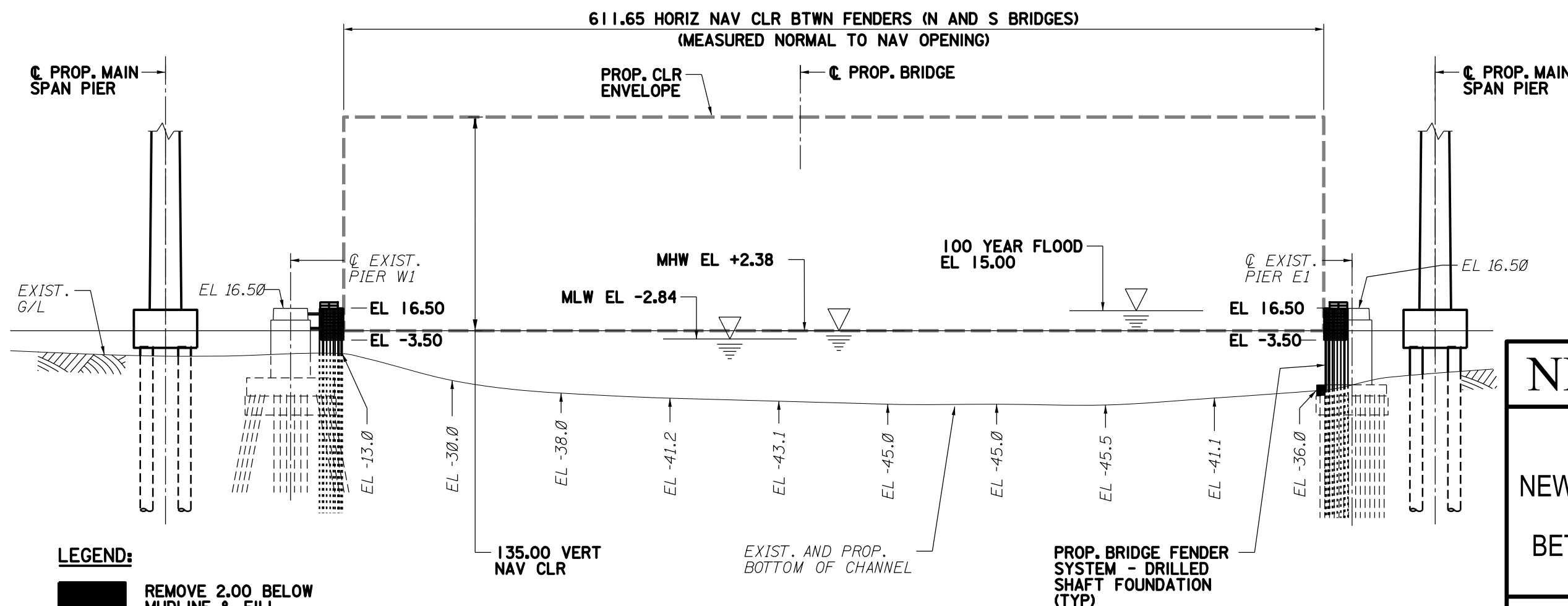
GENERAL PLAN AND ELEVATION - 4

CONSULTANTS:
GANNETT FLEMING, INC.
WSP USA, INC.

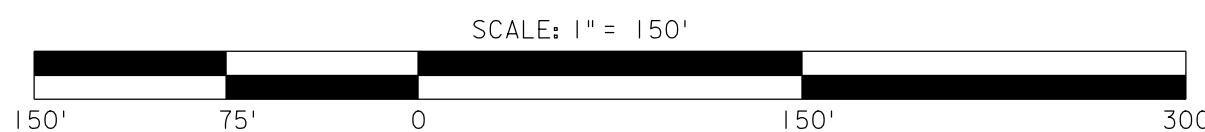
DATE: APRIL 26, 2024
SHEET: 5 OF 8



PLAN



ELEVATION



NOTES:

1. PROPOSED FENDERS TO USE EXISTING MAIN PIER FOUNDATIONS FOR SUPPORT AND ENERGY DISSIPATION. NO PROPOSED FENDERS TO BE ATTACHED TO PROPOSED STRUCTURES.
2. COUNTERSUNK BOLTS TO BE UTILIZED FOR ALL NAVIGATION FACING CONNECTIONS.
3. FENDERS DESIGN AND DETAILING TO MEET ALL APPLICABLE AASHTO STANDARDS AND COORDINATE WITH PROJECT STAGING.
4. DOLPHINS NOT SHOWN IN ELEVATION FOR CLARITY.
5. USACE MAINTAINED CHANNEL BASED ON USACE PROVIDED CADD LINEWORK. USCG NAVIGATIONAL OPENING BASED ON AS BUILT PLANS.
6. SEE ADDITIONAL NOTES ON "GENERAL PLAN AND ELEVATION - 3".

NEW JERSEY TURNPIKE AUTHORITY

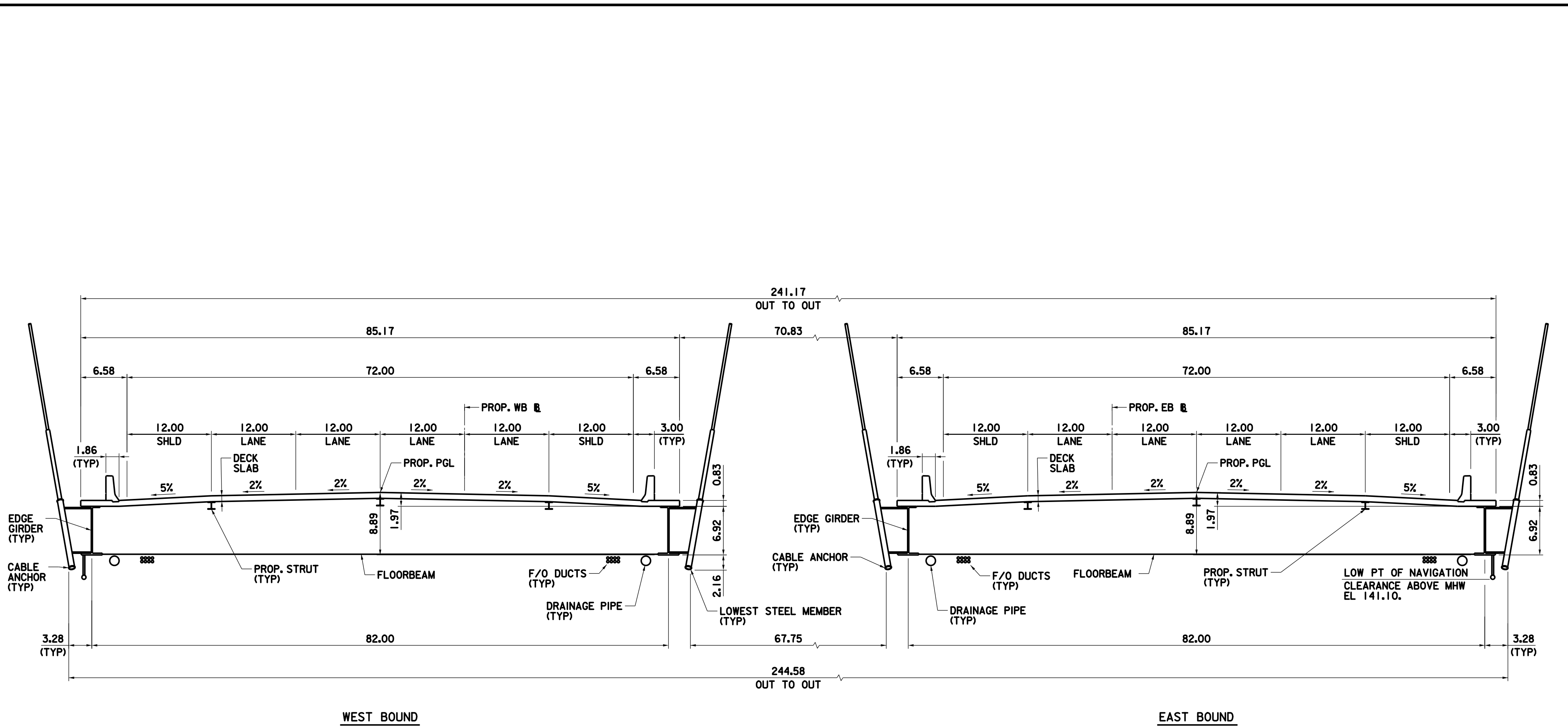
NEWARK BAY - HUDSON COUNTY EXTENSION PROGRAM
 PROJECT 1 - INTERCHANGES 14 TO 14A
 NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED IMPROVEMENTS
 NEWARK BAY MP 3.8
 BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY
 NEW JERSEY

BRIDGE PROTECTION SYSTEM DETAILS

CONSULTANTS:
 GANNETT FLEMING, INC.
 WSP USA, INC.

DATE: APRIL 26, 2024
 SHEET: 7 OF 8

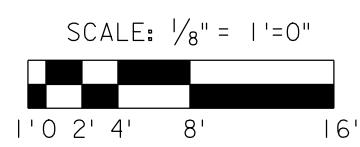
NOTE:
 CONCEPTUAL PLANS UTILIZED TO OBTAIN
 COAST GUARD BRIDGE PERMIT.



TYPICAL SECTION - MAIN SPAN
(LOOKING EAST)
1/8" = 1'-0"

- NOTES:**
1. ALL DIMENSIONS AND DISTANCES IN US LINEAR FEET IN DECIMAL FORMAT.
 2. ALL DIMENSIONS ARE BASED ON PRELIMINARY ANALYSIS. FINAL DIMENSIONS WILL MEET VERTICAL CLEARANCE REQUIREMENTS AS NOTED ON SHEET GENERAL PLAN AND ELEVATION - 3.

NOTE:
CONCEPTUAL PLANS UTILIZED TO OBTAIN
COAST GUARD BRIDGE PERMIT.

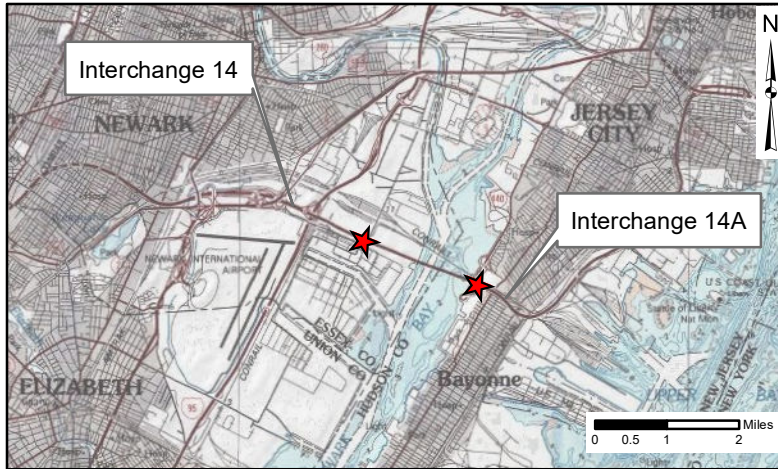


NEW JERSEY TURNPIKE AUTHORITY	
NEWARK BAY - HUDSON COUNTY EXTENSION PROGRAM PROJECT 1 - INTERCHANGES 14 TO 14A NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED IMPROVEMENTS NEWARK BAY MP 3.8 BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY NEW JERSEY	
TYPICAL SECTION	
CONSULTANTS: GANNETT FLEMING, INC. WSP USA, INC.	DATE: APRIL 26, 2024 SHEET: 8 OF 8

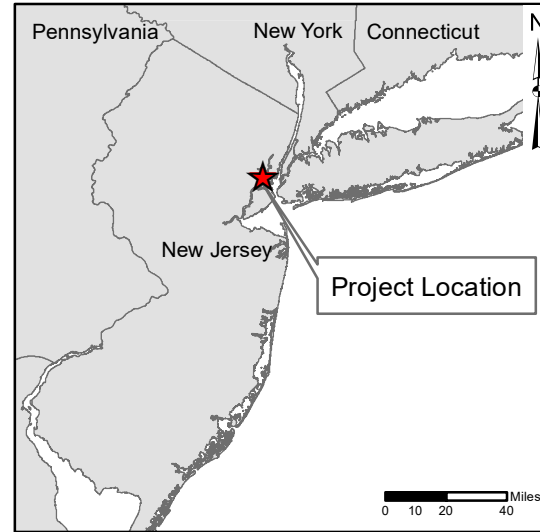
Section 408 Application Plan Set

New Jersey Turnpike Authority Replacement of Vincent R. Casciano Memorial (Newark Bay) Bridge
over Newark Bay North Reach Channel; City of Newark, Essex County, New Jersey

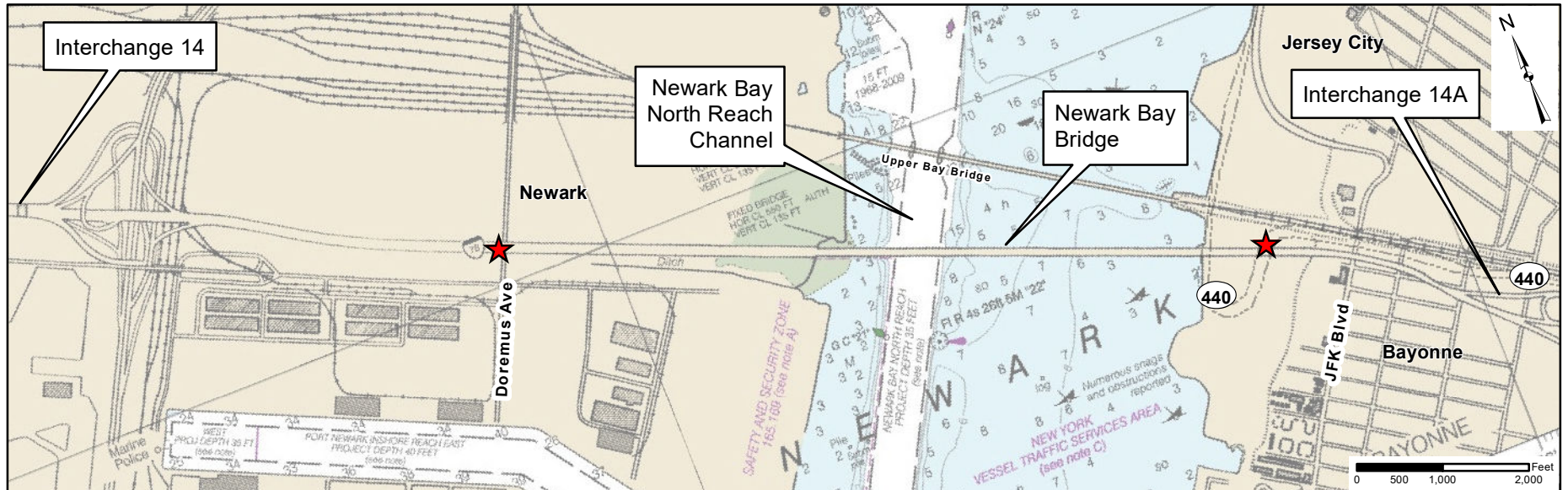
(NAN-2020-00729-WCO Newark Bay Bridge Replacement)



VICINITY MAP



Project Location



PROJECT SITE MAP

★ Approximate Limits of Newark Bay Bridge

NEW JERSEY TURNPIKE AUTHORITY

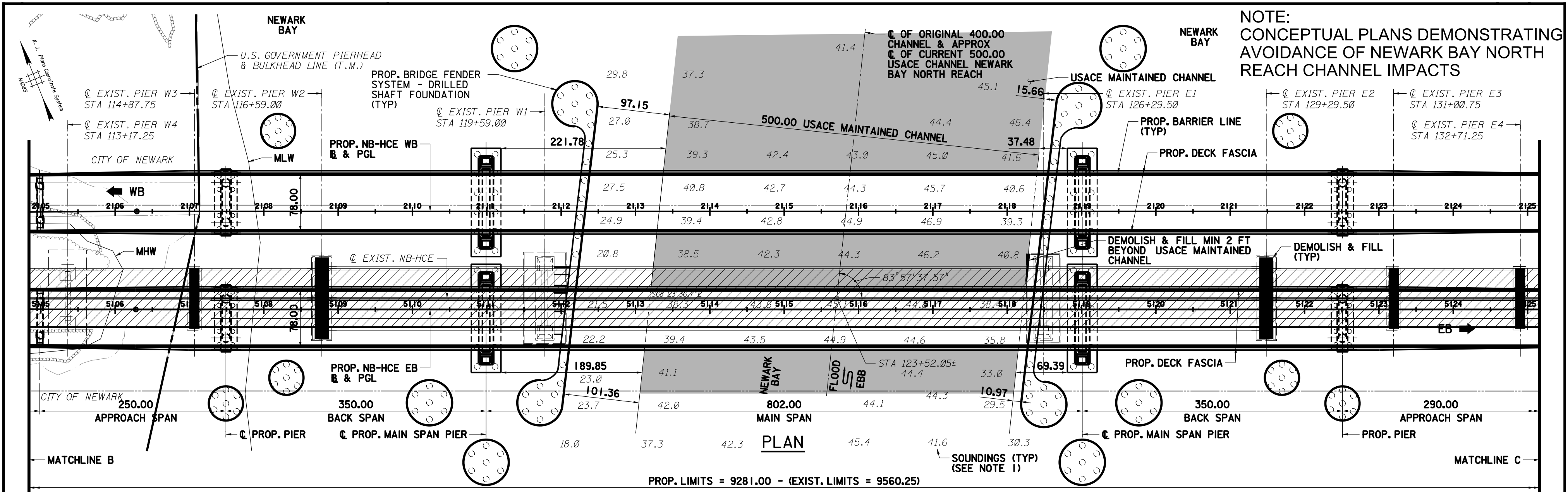
NEWARK BAY-HUDSON COUNTY EXTENSION PROGRAM
 PROJECT 1 - INTERCHANGES 14 TO 14A
 NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED
 IMPROVEMENTS (NEWARK BAY MP 3.8) BETWEEN
 NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY
 NEW JERSEY

VICINITY MAP

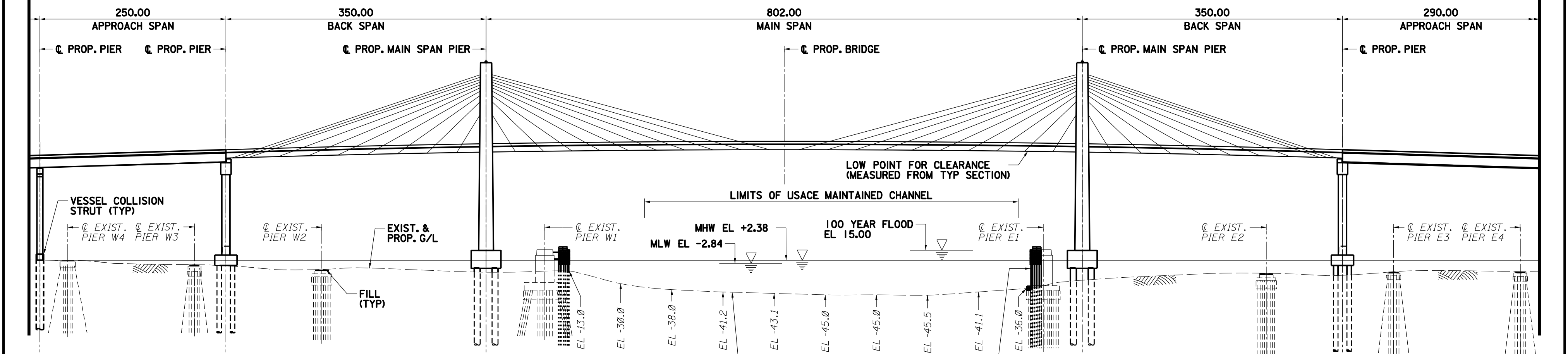
CONSULTANTS:
 GANNETT FLEMING, INC.
 WSP USA, INC.

DATE: DEC. 22, 2023

SOURCES:
 ESRI, USGS MAP SERVICE. WSP 2022.



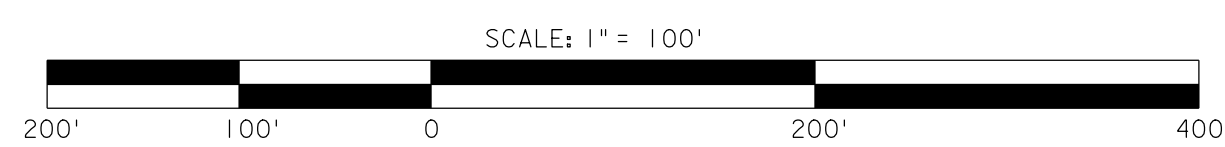
NOTE:
CONCEPTUAL PLANS DEMONSTRATING AVOIDANCE OF NEWARK BAY NORTH REACH CHANNEL IMPACTS



- NOTES:**
- EXISTING BOTTOM OF CHANNEL TAKEN AT THE CENTER LINE OF THE EXISTING BRIDGE BASED ON 2021 BATHYMETRIC SURVEY DATA. ELEVATIONS BASED ON NAVD 88. TO CONVERT FROM NGVD 1929 TO NAVD 1988, SUBTRACT 1.12 FEET.
 - ALL DIMENSIONS AND DISTANCES ARE IN US LINEAR FEET IN DECIMAL FORMAT AND BASED ON PRELIMINARY ASSESSMENT.
 - EXISTING PIERS W1 AND E1 TO REMAIN FOR INTEGRATION WITH FENDER DESIGN, EXCEPT AS NOTED.
 - ALL EXISTING PIERS TO BE REMOVED TWO FEET BELOW MUDLINE UNLESS OTHERWISE NOTED. APPROXIMATE FILL OUTSIDE OF NAVIGATIONAL CHANNEL 1513 CY. FILL SHOWN TO EXISTING MUDLINE WHERE EXISTING PIERS ARE REMOVED. ALL PROPOSED PIERS ARE DRILLED SHAFTS.
 - NO DREDGING, FILL, EXCAVATION OR RIP RAP IN NAVIGATIONAL CHANNEL OTHER THAN THE NORTHWEST CORNER OF PIER E1. NORTHWEST CORNER OF PIER E1 TO BE REMOVED TO LIMIT OF USACE CHANNEL AND 2 FEET BELOW 35 FOOT CHANNEL. APPROXIMATE VOLUME OF CONCRETE TO BE REMOVED 20 CY AND 1.75 LINEAR FEET OF 7 STEEL PILES. QUANTITIES BASED ON MINIMUM REMOVAL ANTICIPATED.
 - DOLPHINS NOT SHOWN IN ELEVATION FOR CLARITY.
 - USACE MAINTAINED CHANNEL LIMITS BASED ON USACE PROVIDED CADD NATIONAL CHANNEL FRAMEWORK.

LEGEND:

- AREA OF EXISTING MAINTAINED CHANNEL.
- EXIST. NB-HCE BRIDGE AREA OF REMOVAL
- REMOVE MIN 2.00 BELOW MUDLINE & FILL



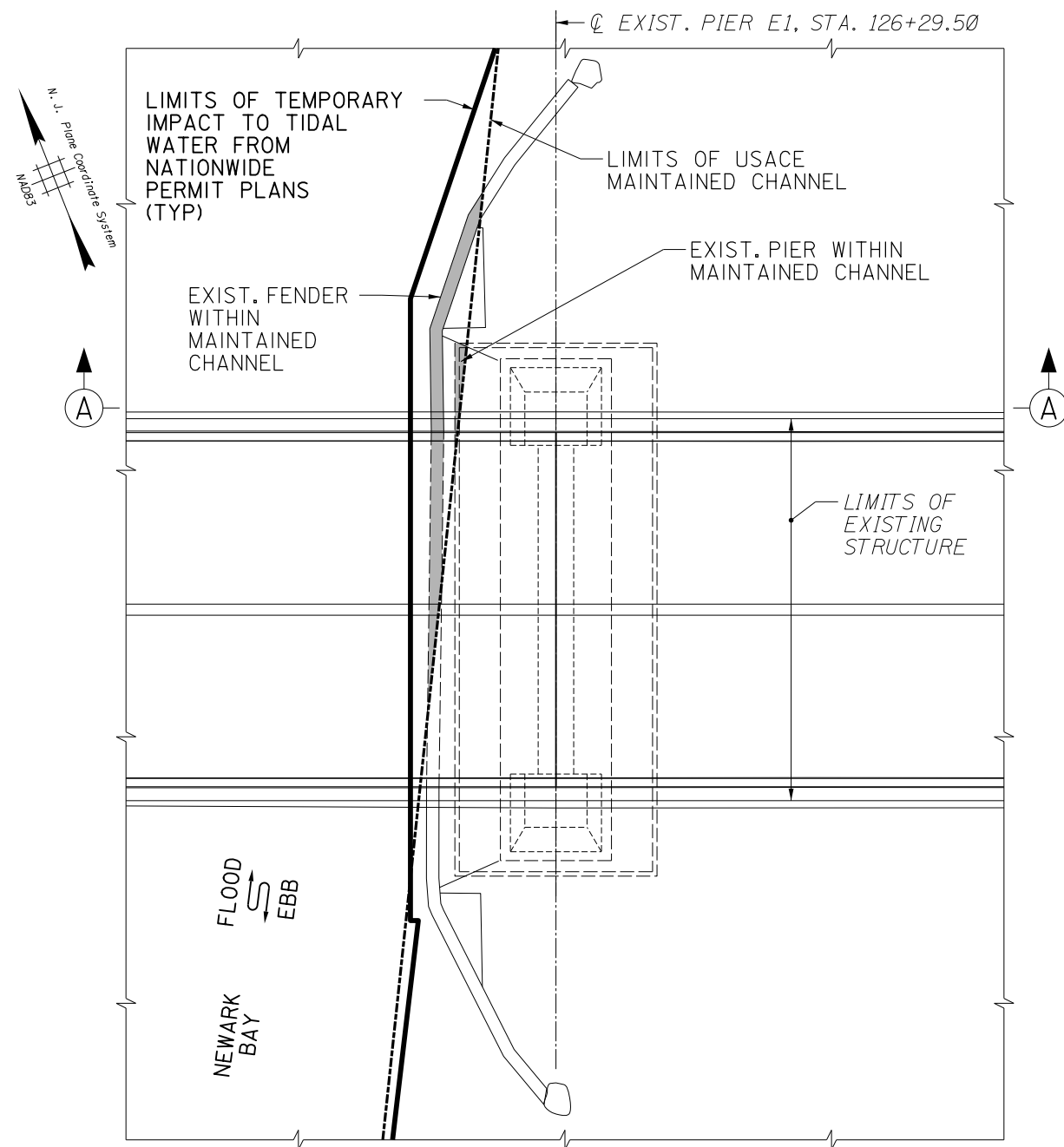
NEW JERSEY TURNPIKE AUTHORITY

NEWARK BAY - HUDSON COUNTY EXTENSION PROGRAM
PROJECT 1 - INTERCHANGES 14 TO 14A
NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED IMPROVEMENTS
NEWARK BAY MP 3.8
BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY
NEW JERSEY

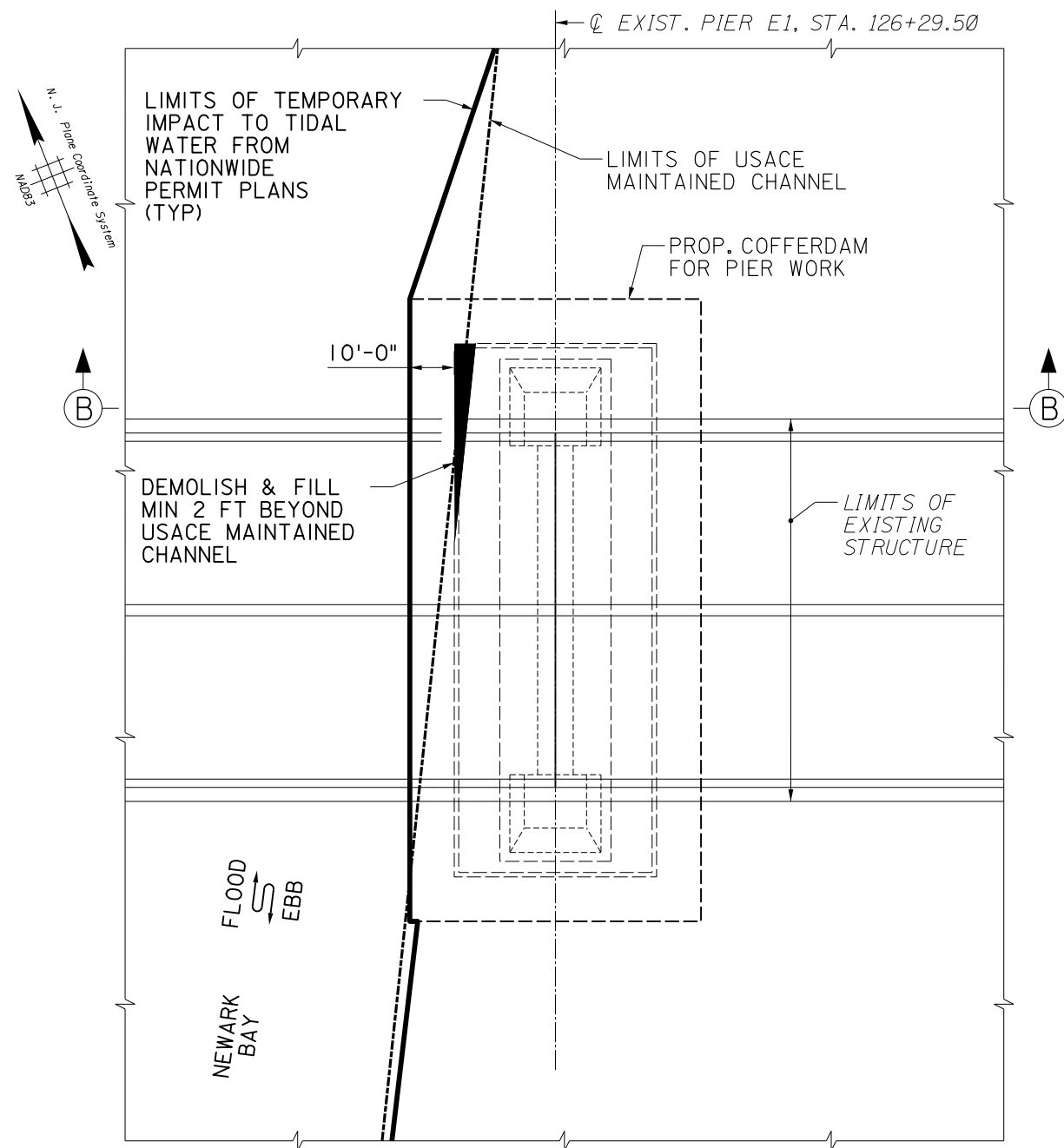
NEWARK BAY NORTH REACH CHANNEL PLAN AND ELEVATION

CONSULTANTS:
GANNETT FLEMING, INC.
WSP USA, INC.

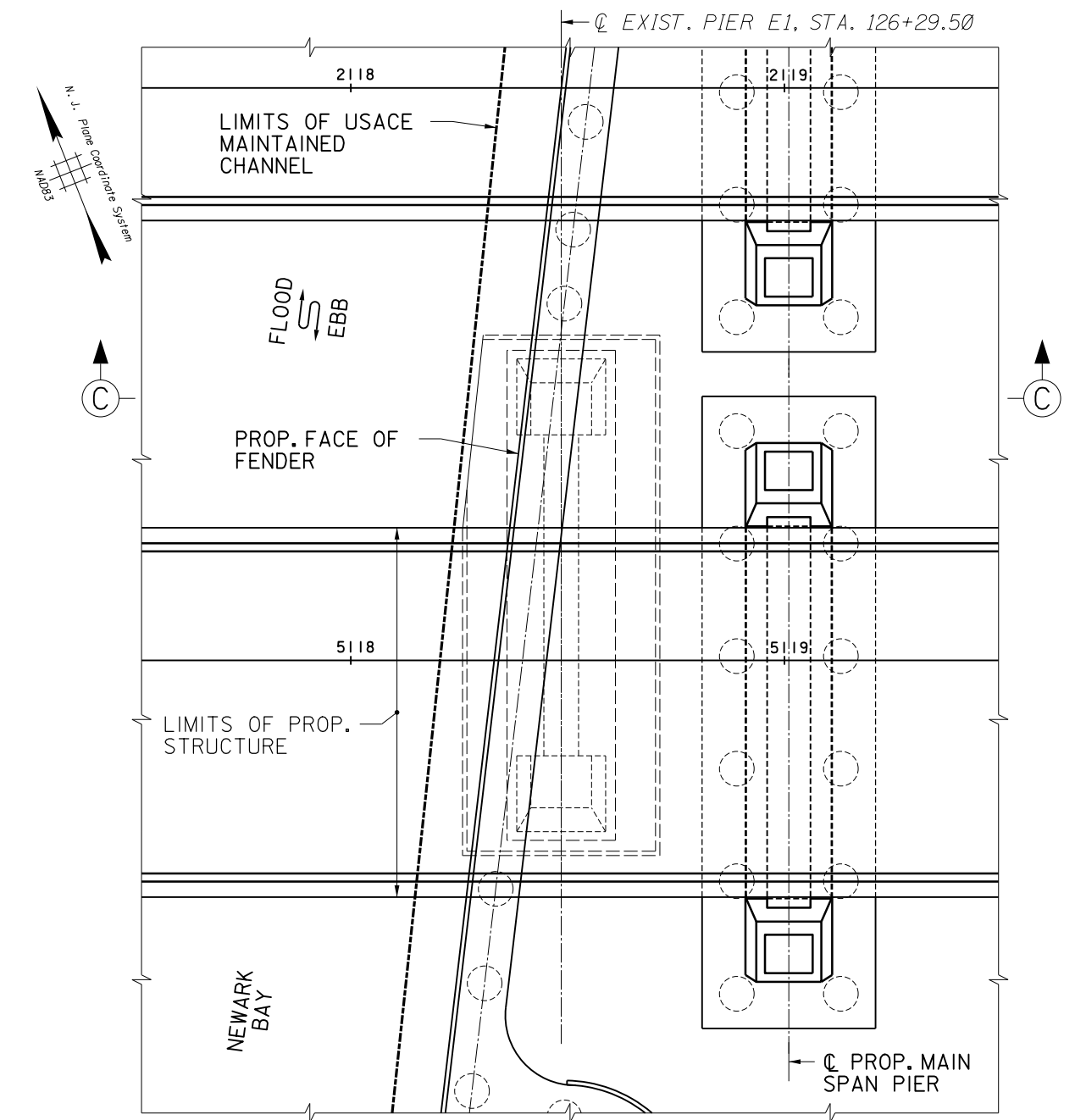
DATE: JAN. 26, 2024
SHEET: 1 OF 2



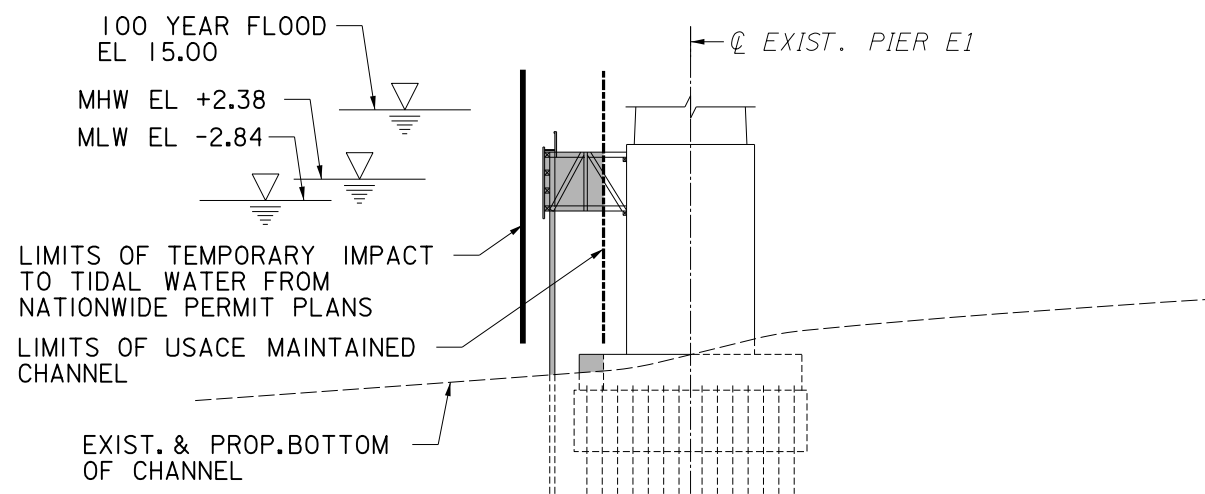
PLAN - FENDER REMOVAL AND EXISTING ENCROACHMENT
(TEMPORARY WORK WITHIN MAINTAINED CHANNEL LIMITS)



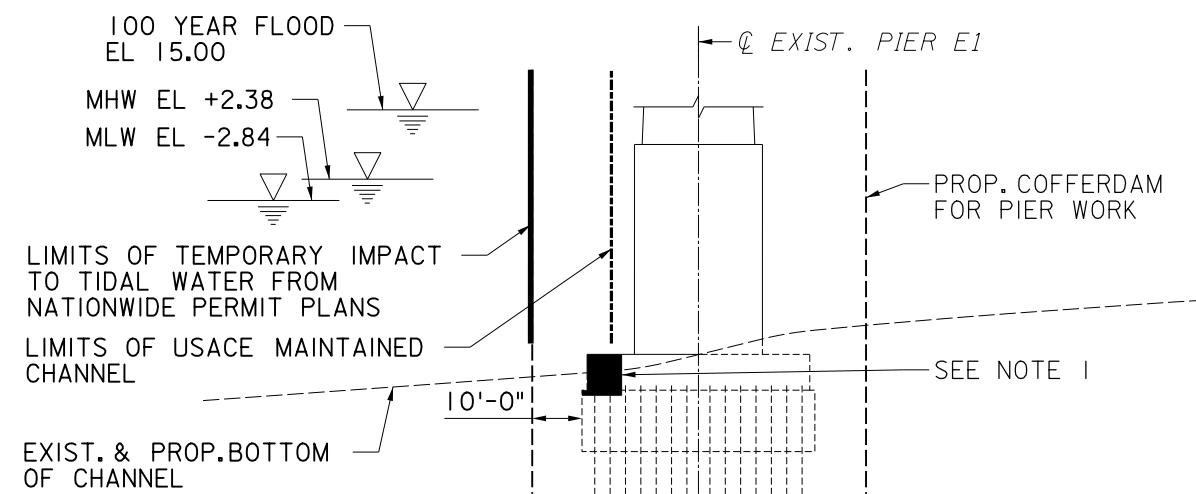
PLAN - PIER E1 DEMOLITION
(TEMPORARY WORK WITHIN MAINTAINED CHANNEL LIMITS)



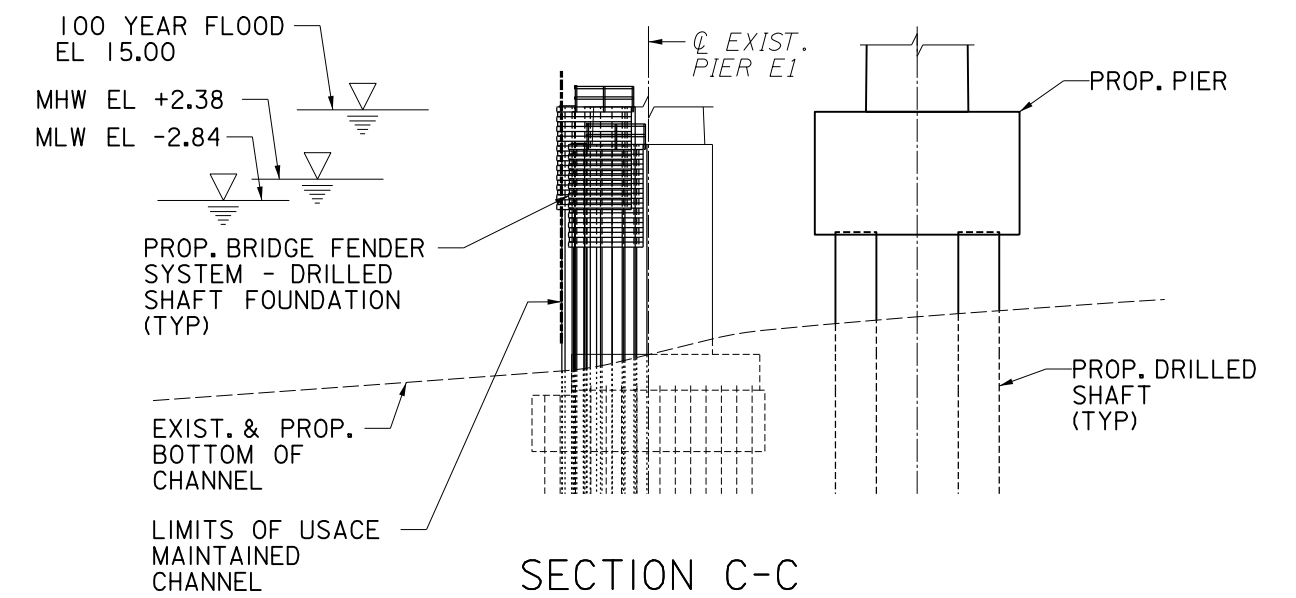
PLAN - PROPOSED CONDITION
(NO PERMANENT FEATURE WITHIN MAINTAINED CHANNEL LIMITS)



SECTION A-A



SECTION B-B



SECTION C-C

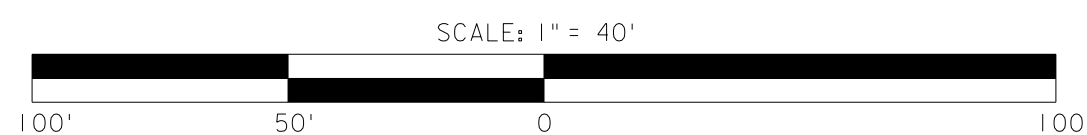
NOTES:

1. MINIMUM REMOVAL OF PIER E1 SHOWN. EXISTING FENDER AND PIER TO BE REMOVED TO 2 FEET PAST THE LIMIT OF THE 500 FT USACE MAINTAINED CHANNEL AND 2 FEET BELOW THE 35 FT USACE MAINTAINED CHANNEL.

2. USACE MAINTAINED CHANNEL LIMITS BASED ON USACE PROVIDED CADD NATIONAL CHANNEL FRAMEWORK.

LEGEND:

- EXISTING ENCROACHMENT ON MAINTAINED CHANNEL
- REMOVE MIN 2.00 BELOW MUDLINE & FILL TO EXISTING MUDLINE



NEW JERSEY TURNPIKE AUTHORITY

NEWARK BAY - HUDSON COUNTY EXTENSION PROGRAM
PROJECT 1 - INTERCHANGES 14 TO 14A
NEWARK BAY BRIDGE REPLACEMENT AND ASSOCIATED IMPROVEMENTS
NEWARK BAY MP 3.8
BETWEEN NEWARK, ESSEX COUNTY AND BAYONNE, HUDSON COUNTY
NEW JERSEY

PIER E1 MINIMUM REMOVAL PLAN



CONSULTANTS:
GANNETT FLEMING, INC.
WSP USA, INC.

DATE: JAN. 26, 2024
SHEET: 2 OF 2

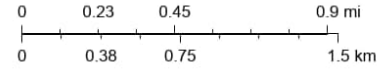
NJ Tidelands Claim Boundary - Newark Bay



12/21/2023, 11:37:46 AM

-  County Boundaries
-  CLAIMED

1:36,112



NYC OpenData, New Jersey Office of GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA

NYC OpenData, New Jersey Office of GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA | NJDEP | NJ Department of Environmental Protection