



PUBLIC NOTICE

In replying refer to:

US Army Corps
of Engineers
New York District
Jacob K. Javits Federal Building
New York, N.Y. 10278-0090
ATTN: Regulatory Branch

Public Notice Number: NAN-2017-01582-ESW

Issue Date: February 15, 2018

Expiration Date: March 17, 2018

To Whom It May Concern:

The New York District, Corps of Engineers has received individual applications for a Department of the Army permits pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) to reconfigure new ferry landings at three locations as part of the ongoing New York City ferry system expansion.

APPLICANT: New York City Economic Development Corporation
110 William Street
New York, New York 10038

ACTIVITY: Construction of reconfigured ferry landing structures at three individual locations to expand the existing New York City ferry service

WATERWAY: East River

LOCATION: Terminus of 62nd Street and 2nd Avenue, Borough of Brooklyn (NAN-2017-01221-ESW); Foot of East 36th Street, Borough of Manhattan (NAN-2017-01429-ESW); Foot of Gouverneur Lane, Borough of Manhattan (NAN-2017-01479-ESW)

A detailed description and plans for each of the applicant's three locations are enclosed to assist in your review.

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

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

CENAN-OP-RE

PUBLIC NOTICE NUMBER: NAN-2017-01582-ESW

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

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

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

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

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act (Public Law 104-267), requires all Federal agencies to consult with the National Oceanic and Atmospheric Administration Fisheries Service (NOAA/FS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed work, fully described in the attached work description, could cause the disruption of habitat for various 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, there may be 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. Further consultation with the New York State Historic Preservation Office potential impacts will be concluded prior to the final 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 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

CENAN-OP-RE

PUBLIC NOTICE NUMBER: NAN-2017-01582-ESW

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. If you have any questions concerning this application, you may contact this office at (917) 970-8618 and ask for Amanda Regan.

In order for us to better serve you, please complete our Customer Service Survey located at <http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>.

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


For and in behalf of

Stephan A. Ryba
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, the New York City Economic Development Corporation, has requested Department of the Army authorization for the construction of various ferry landing structures at multiple locations to expand the existing New York City ferry system. The proposed landings are being reviewed concurrently under separate project application numbers.

Soundview Route

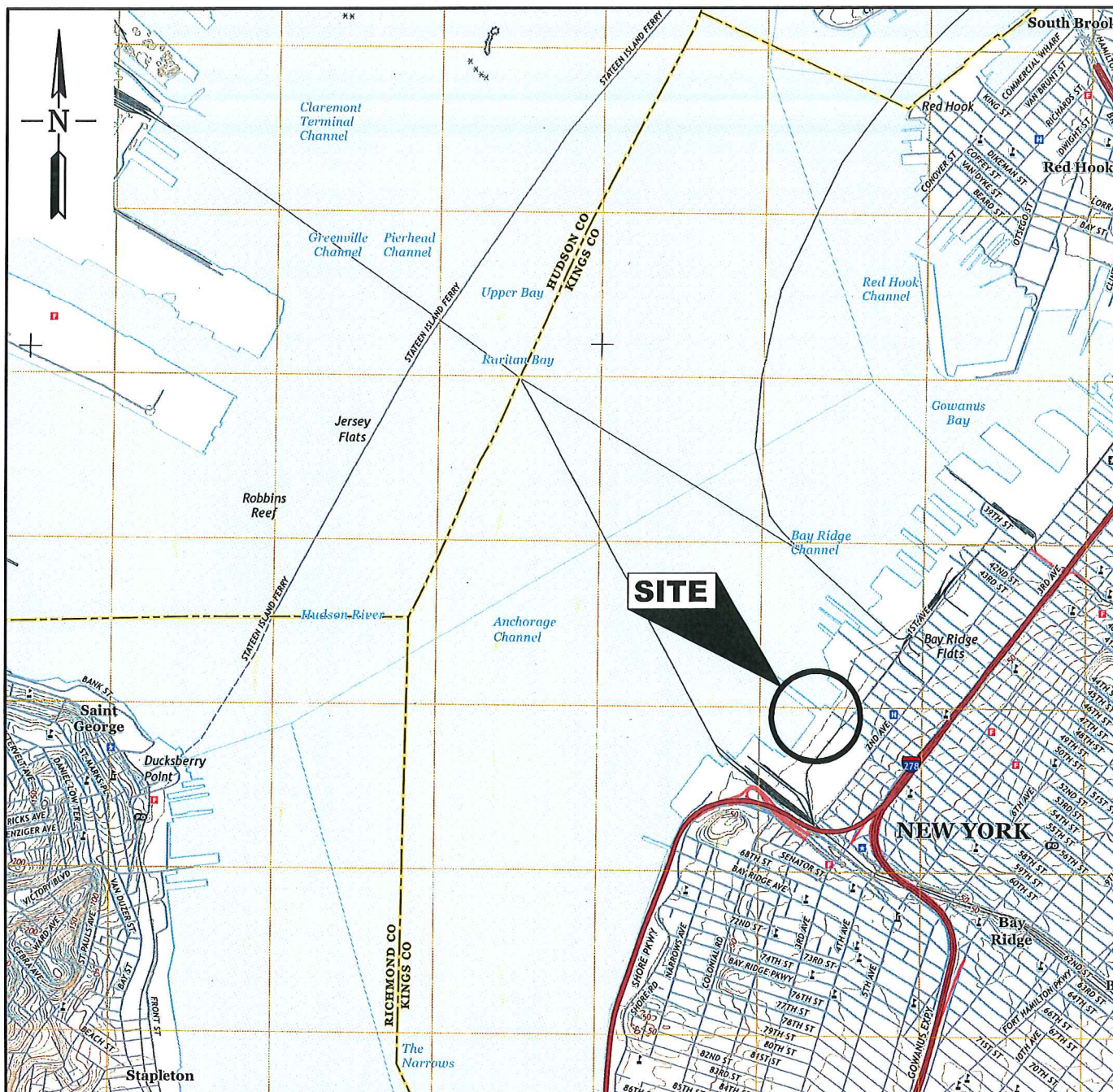
1. NAN-2017-01221-ESW Brooklyn Army Terminal Landing (Latitude 40.7773, Longitude -73.9423) Pier 4, Borough of Brooklyn, City of New York, Kings County, New York: Remove the existing water taxi barge, gangway, and timber fender system. Construct a new 5-foot-wide by 15-foot-long concrete platform (with two (2) 18-inch-diameter hollow steel piles) and a 10-foot-wide by 65-foot-long ramp leading to a 35-foot-wide by 90-foot-long barge (anchored by six (6) 36-inch-diameter hollow steel piles) with associated anode cathodic protection to service up to two ferry vessels at one time. Construct four (4) 36-inch-diameter hollow steel monopiles with floating donut fendering for a total diameter of approximately 72-inches. The total length of structures will extend approximately 176 linear feet into the waterway. The total length of structures and berthed ferries will extend a total of approximately 188 linear feet into the waterway.
2. NAN-2017-01429-ESW East 34th Street Landing East 34th Street ferry terminal in the Borough of Manhattan, City of New York, New York County, New York (Latitude 40.74398, Longitude -73.97059): Construction of a new 10-foot wide by 50-foot-long gangway leading to a permanently moored 35-foot-wide by 45-foot-long barge (anchored by four (4) 36-inch-diameter hollow steel piles) with associated sacrificial anode cathodic protection to service up to one ferry vessel at a time. Construct four (4) 36-inch-diameter hollow steel mono-pile breasting dolphins with floating donut fendering. The total length of barge and breasting structures will be located between the existing shoreline and an existing ferry barge platform. The total length of existing structures for the side-loaded berthed ferry currently extends approximately 209 linear feet into the waterway. The new barge configuration will not extend any further into the waterway.
3. NAN-2017-01479-ESW Pier 11 Landing (Latitude 40.70307, Longitude -74.00628) Pier 11, Borough of Manhattan, City of New York, New York County, New York: Removal of an existing ferry platform and three gangways. Construct a new 11-foot-wide by 25-foot-long cantilever platform landing leading to a 10-foot-wide by 40-foot-long gangway leading to a 35-foot-wide by 108.5-foot-long permanently moored barge with associated anode cathodic protection to service up to two ferry vessels at one time. Utilize four (4) existing 36-in-piles to anchor the barge and construct two (2) new 36-inch-diameter hollow steel pipe piles to anchor the barge. Construct two (2) 36-inch-diameter hollow steel mono-piles with floating donut fenders. Construct two 10-foot-wide by 40-foot-wide gangways leading to two existing 35-foot-wide by 108.5-foot-long permanently moored barges. The total

CENAN-OP-RE
PUBLIC NOTICE NUMBER: NAN-2017-01582-ESW

length of structures will extend approximately 51 linear feet into the waterway. The total length of structures and berthed ferries will extend a total of approximately 148 linear feet into the waterway.

Flowable concrete will not be discharged into piles for the construction activities at these three landings.

The stated purpose of the project is to expand the existing New York City Ferry System to provide an affordable and convenient transportation system, connecting residential areas to business districts and employment centers.



TAKEN FROM USGS
JERSEY CITY QUADRANGLE
NEW JERSEY - NEW YORK
7.5 MINUTE SERIES

VICINITY MAP

0 3000 6000 FT.



SCALE 1"=3000'-0"

FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

AGENT: BTM ENGINEERING, P.C. (COWI)

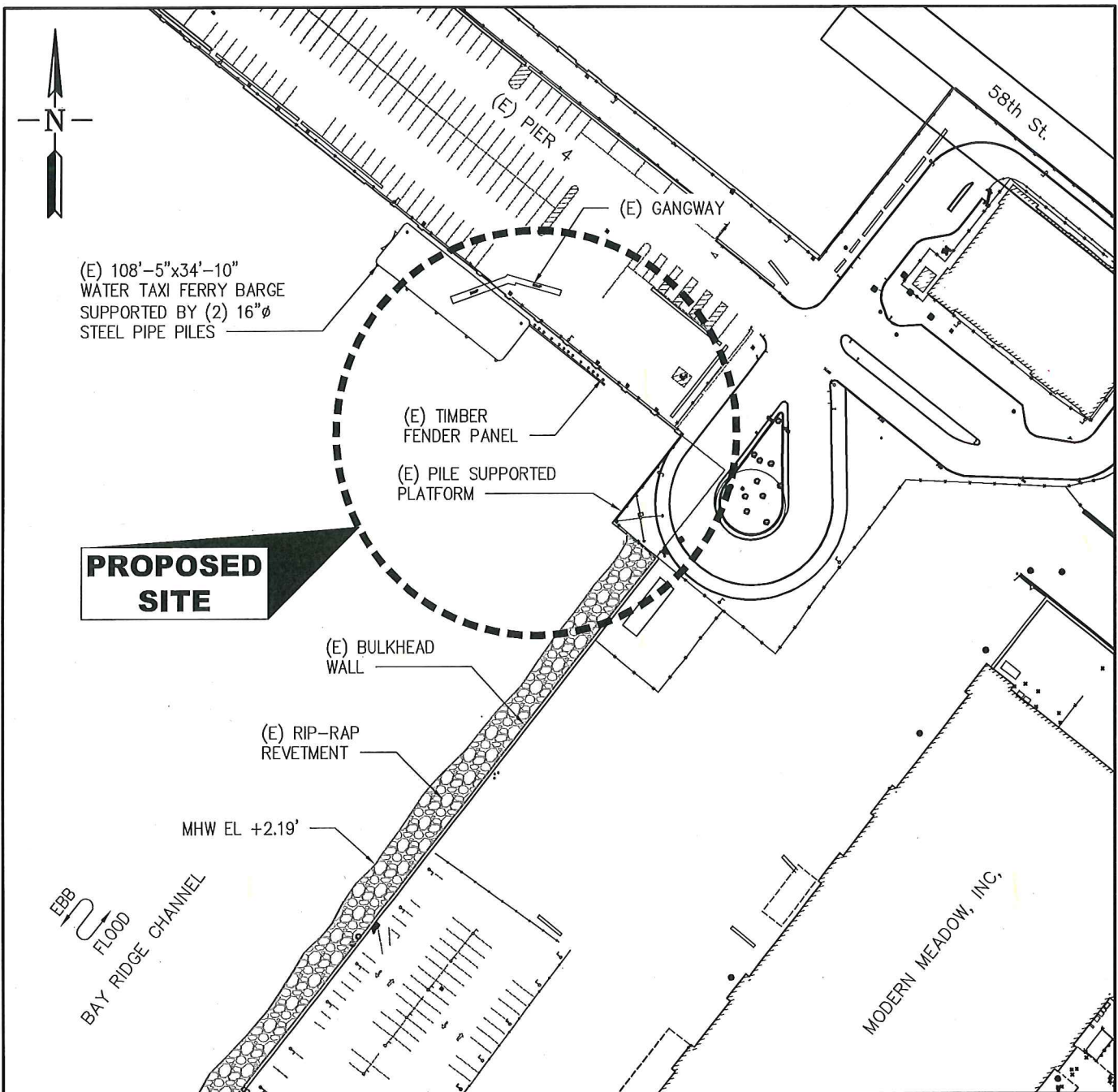
PIER 4 FERRY LANDING REHABILITATION

UPPER BAY/ BAY RIDGE CHANNEL
BROOKLYN
COUNTY OF KINGS
STATE OF NEW YORK

DATE: 06/16/17

SHEET 1 OF 11

NAN-2017-01221-ESW



SURVEY PREPARED BY STANTEC

EXISTING SITE PLAN

0 100 200 FT.



SCALE 1"=100'-0"

FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

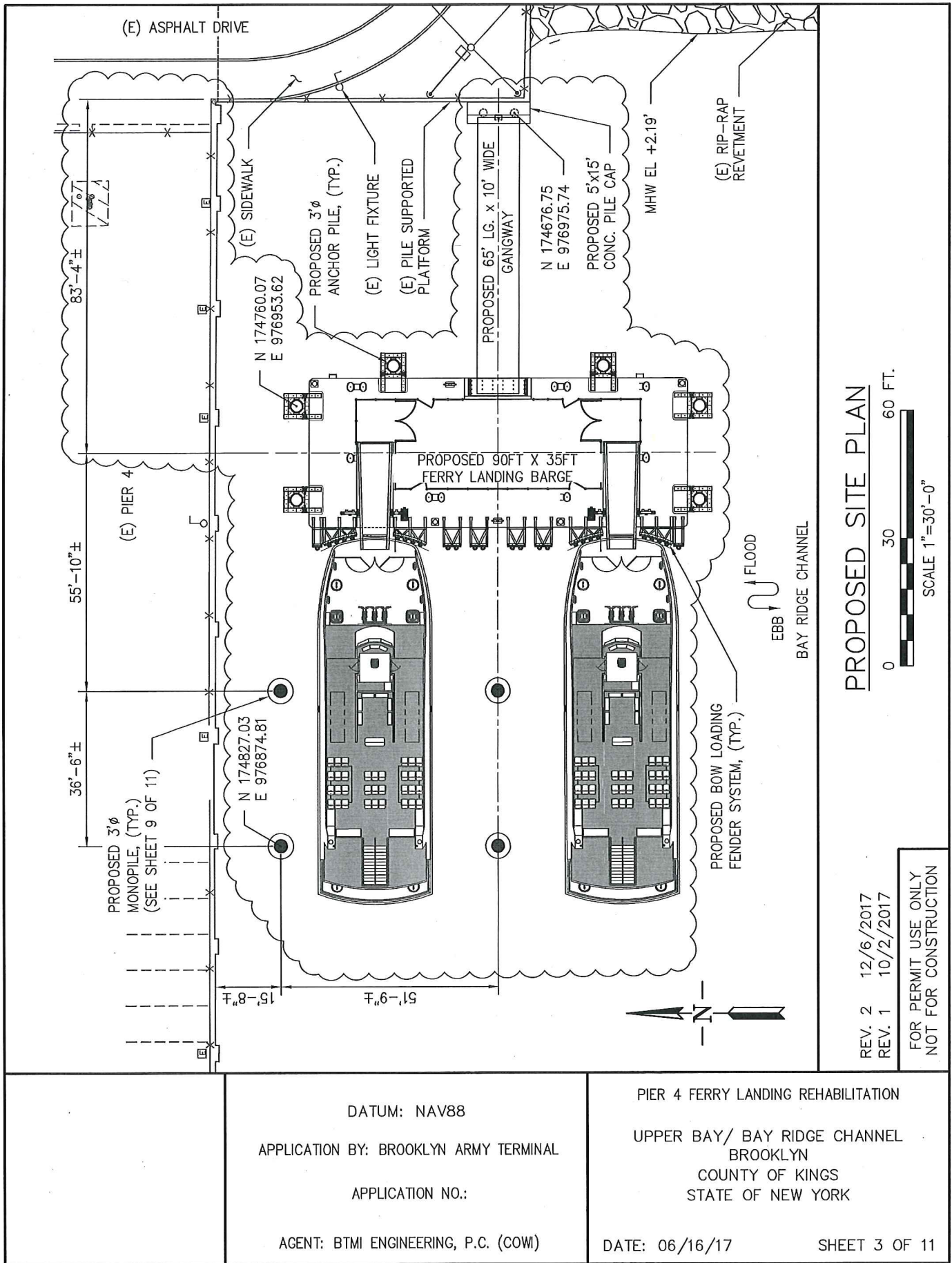
AGENT: BTMI ENGINEERING, P.C. (COWI)

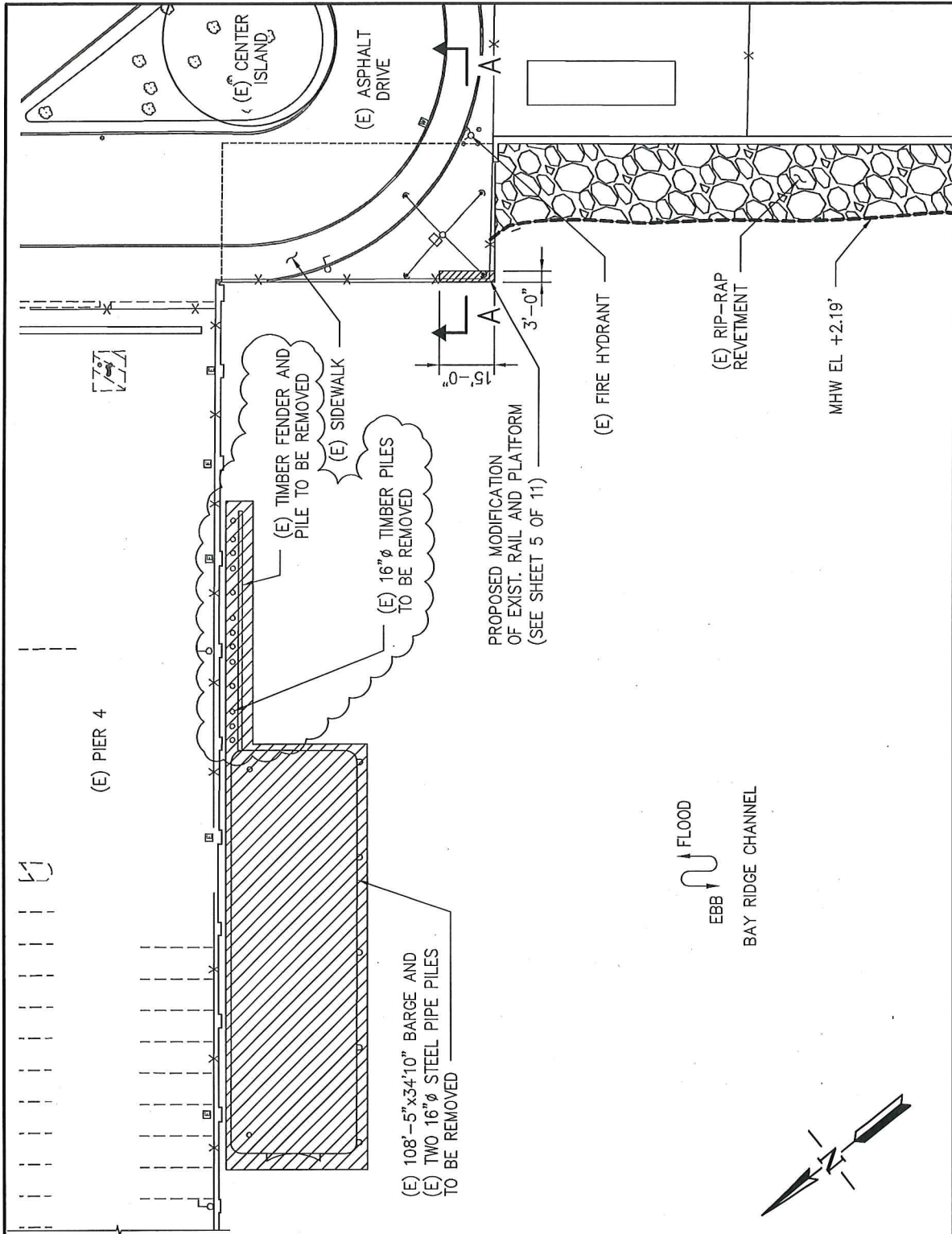
PIER 4 FERRY LANDING REHABILITATION

UPPER BAY/ BAY RIDGE CHANNEL
BROOKLYN
COUNTY OF KINGS
STATE OF NEW YORK

DATE: 06/16/17

SHEET 2 OF 11





PROPOSED DEMOLITION PLAN

0 40 80 FT.

SCALE 1"=40'-0"

REV. 1 12/6/2017

FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

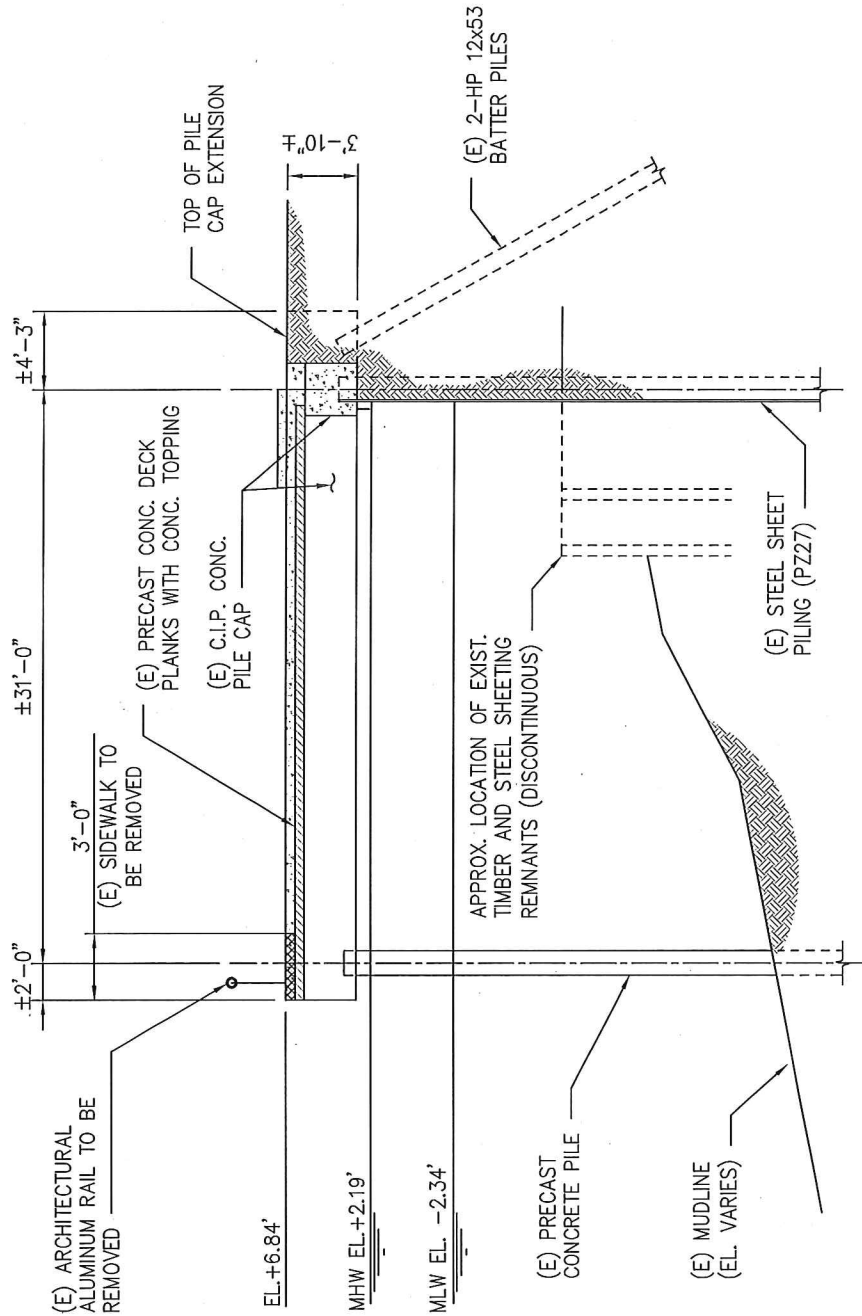
AGENT: BTMI ENGINEERING, P.C. (COWI)

PIER 4 FERRY LANDING REHABILITATION

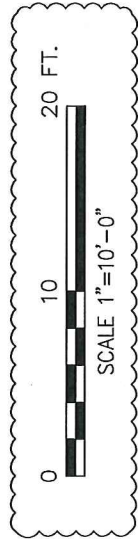
UPPER BAY/ BAY RIDGE CHANNEL
BROOKLYN
COUNTY OF KINGS
STATE OF NEW YORK

DATE: 06/16/17

SHEET 4 OF 11



SECTION A-A
PROPOSED SELECTIVE DEMOLITION SECTION



REV. 1 10/2/2017

FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

AGENT: BTMI ENGINEERING, P.C. (COWI)

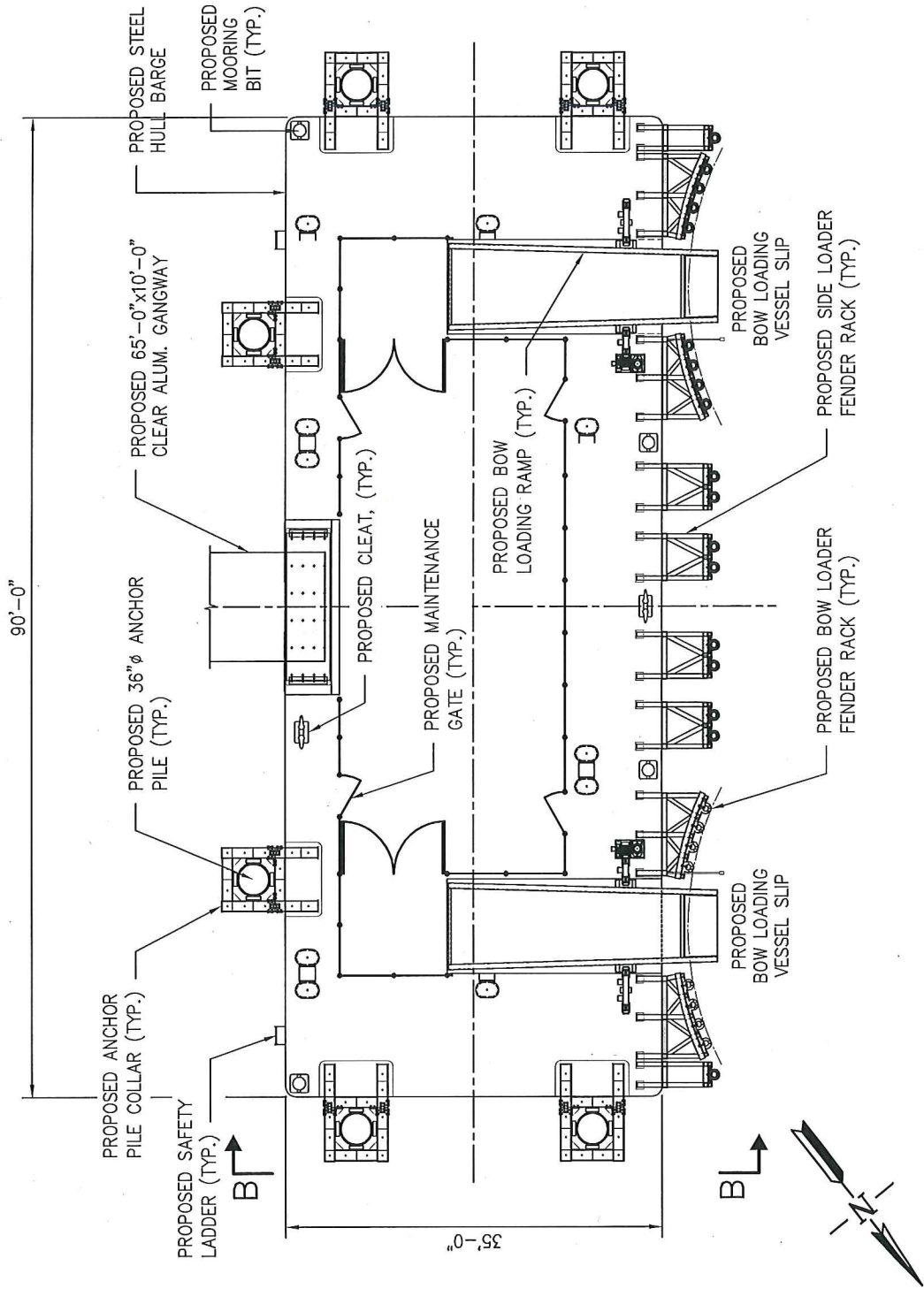
PIER 4 FERRY LANDING REHABILITATION

UPPER BAY/ BAY RIDGE CHANNEL
BROOKLYN

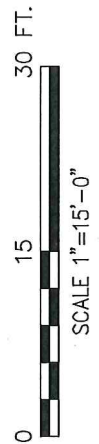
COUNTY OF KINGS
STATE OF NEW YORK

DATE: 06/16/17

SHEET 5 OF 11



PROPOSED BARGE PLAN



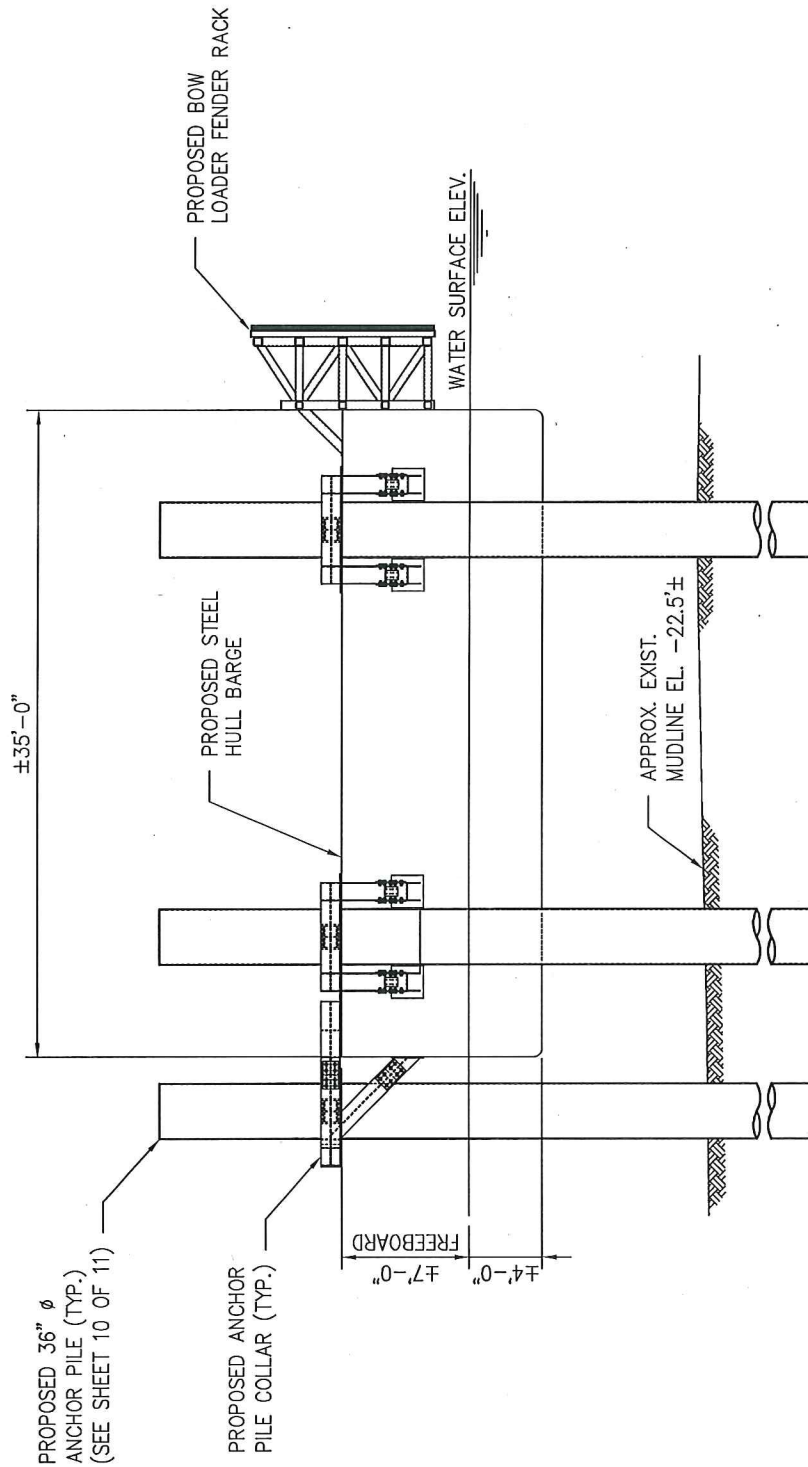
FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88
APPLICATION BY: BROOKLYN ARMY TERMINAL
APPLICATION NO.:
AGENT: BTMI ENGINEERING, P.C. (COWI)

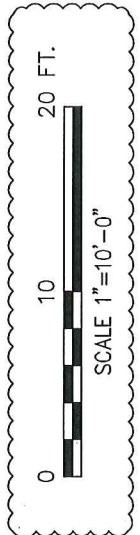
PIER 4 FERRY LANDING REHABILITATION
UPPER BAY/ BAY RIDGE CHANNEL
BROOKLYN
COUNTY OF KINGS
STATE OF NEW YORK

DATE: 06/16/17

SHEET 6 OF 11



PROPOSED SECTION B-B



REV. 1 10/2/2017

FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

AGENT: BTM ENGINEERING, P.C. (COW)

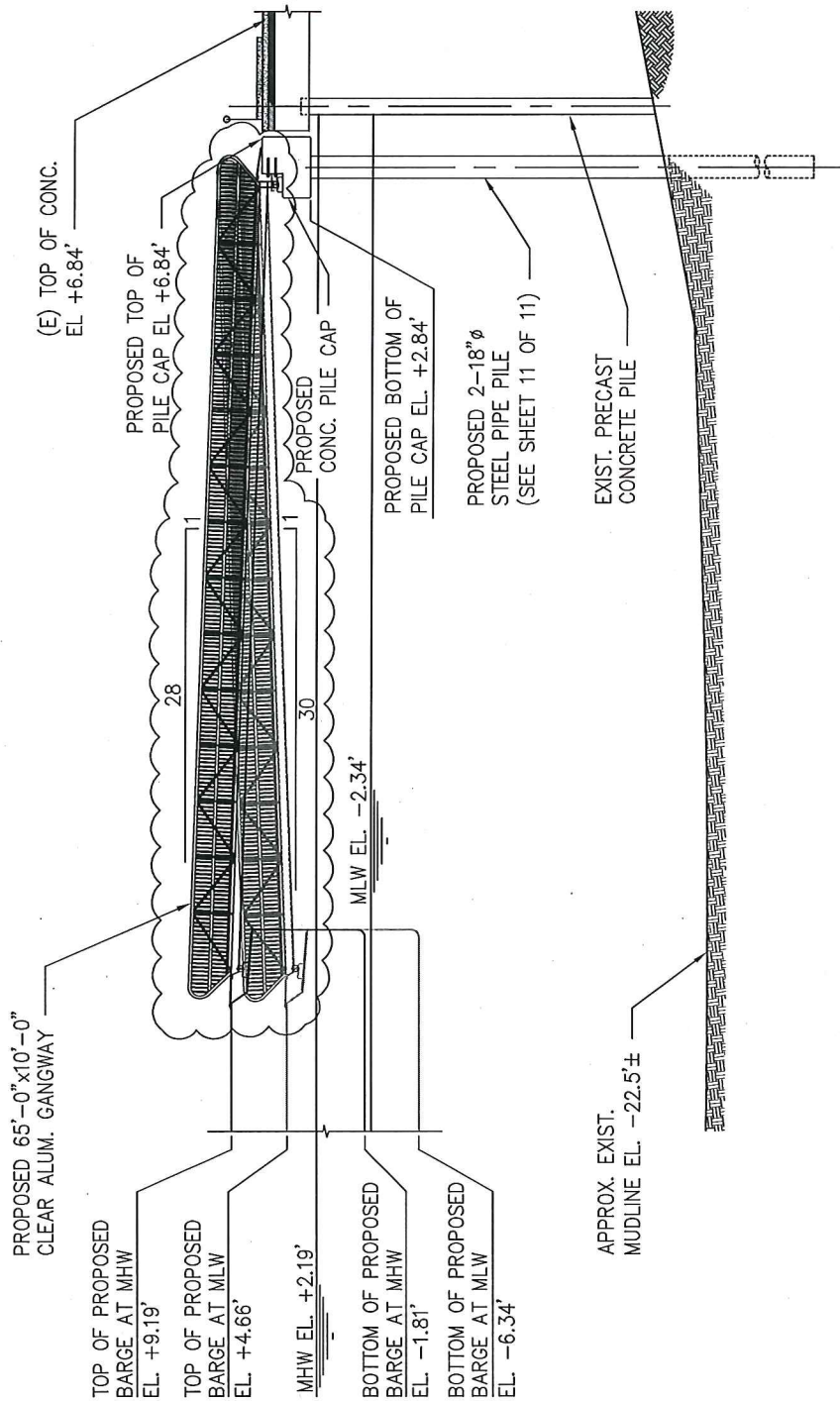
PIER 4 FERRY LANDING REHABILITATION

UPPER BAY/ BAY RIDGE CHANNEL
BROOKLYN

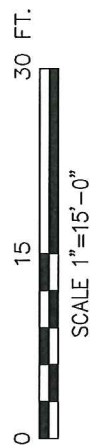
COUNTY OF KINGS
STATE OF NEW YORK

DATE: 06/16/17

SHEET 7 OF 11



PROPOSED GANGWAY RANGE OF MOTION ELEVATION



REV. 2 12/6/17
REV. 1 10/2/17

FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

AGENT: BTMI ENGINEERING, P.C. (COWI)

PIER 4 FERRY LANDING REHABILITATION

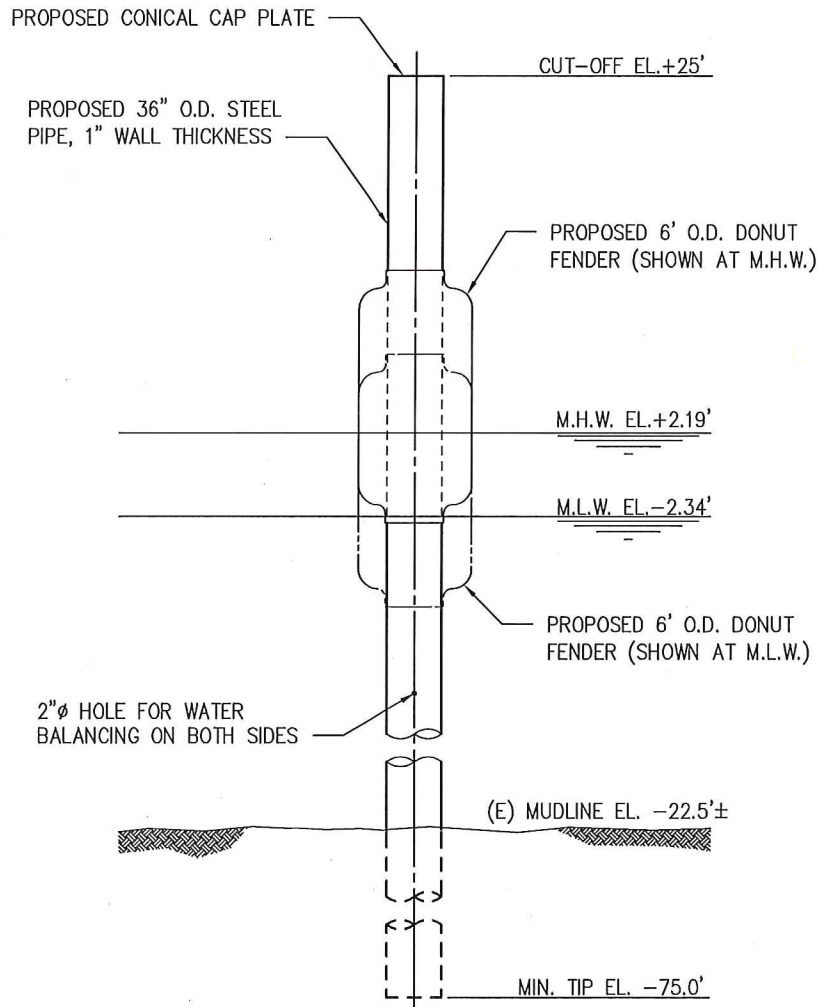
UPPER BAY/ BAY RIDGE CHANNEL
BROOKLYN

COUNTY OF KINGS
STATE OF NEW YORK

DATE: 06/16/17

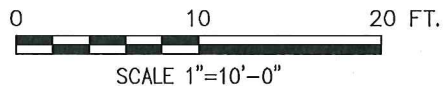
SHEET 8 OF 11

MONOPILE SCHEDULE					
PILE ID	QUANTITY	PILE O.D. (IN.)	PILE WALL THICKNESS (IN.)	TIP EL. (FT.)	CUT-OFF EL. (FT.)
MONOPILE	4	36	1.0	-75.0±	+25.0±



SURVEY PREPARED BY STANTEC

PROPOSED MONOPILE ELEVATION



FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

AGENT: BTMI ENGINEERING, P.C. (COWI)

PIER 4 FERRY LANDING REHABILITATION

UPPER BAY/ BAY RIDGE CHANNEL

BROOKLYN

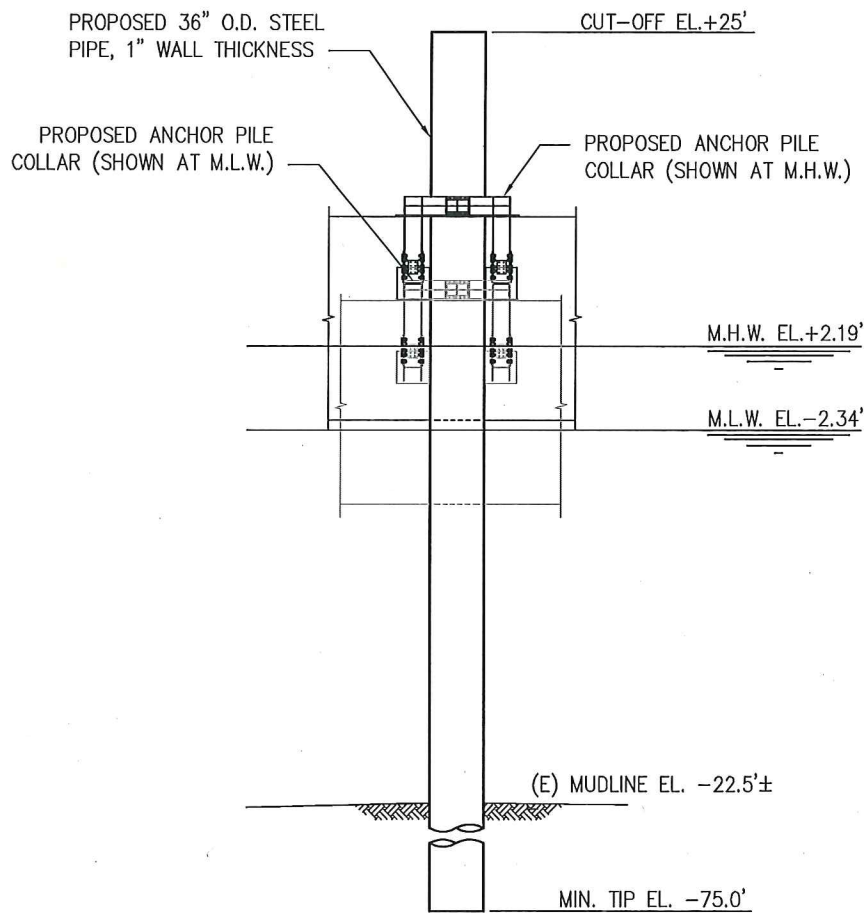
COUNTY OF KINGS

STATE OF NEW YORK

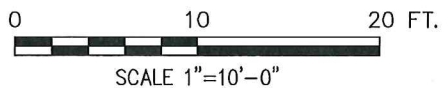
DATE: 06/16/17

SHEET 9 OF 11

ANCHOR PILE SCHEDULE					
PILE ID	QUANTITY	PILE O.D. (IN.)	PILE WALL THICKNESS (IN.)	TIP EL. (FT.)	CUT-OFF EL. (FT.)
ANCHOR	6	36	1.0	-75.0±	+25.0±



PROPOSED ANCHOR PILE ELEVATION



FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

AGENT: BTMI ENGINEERING, P.C. (COW)

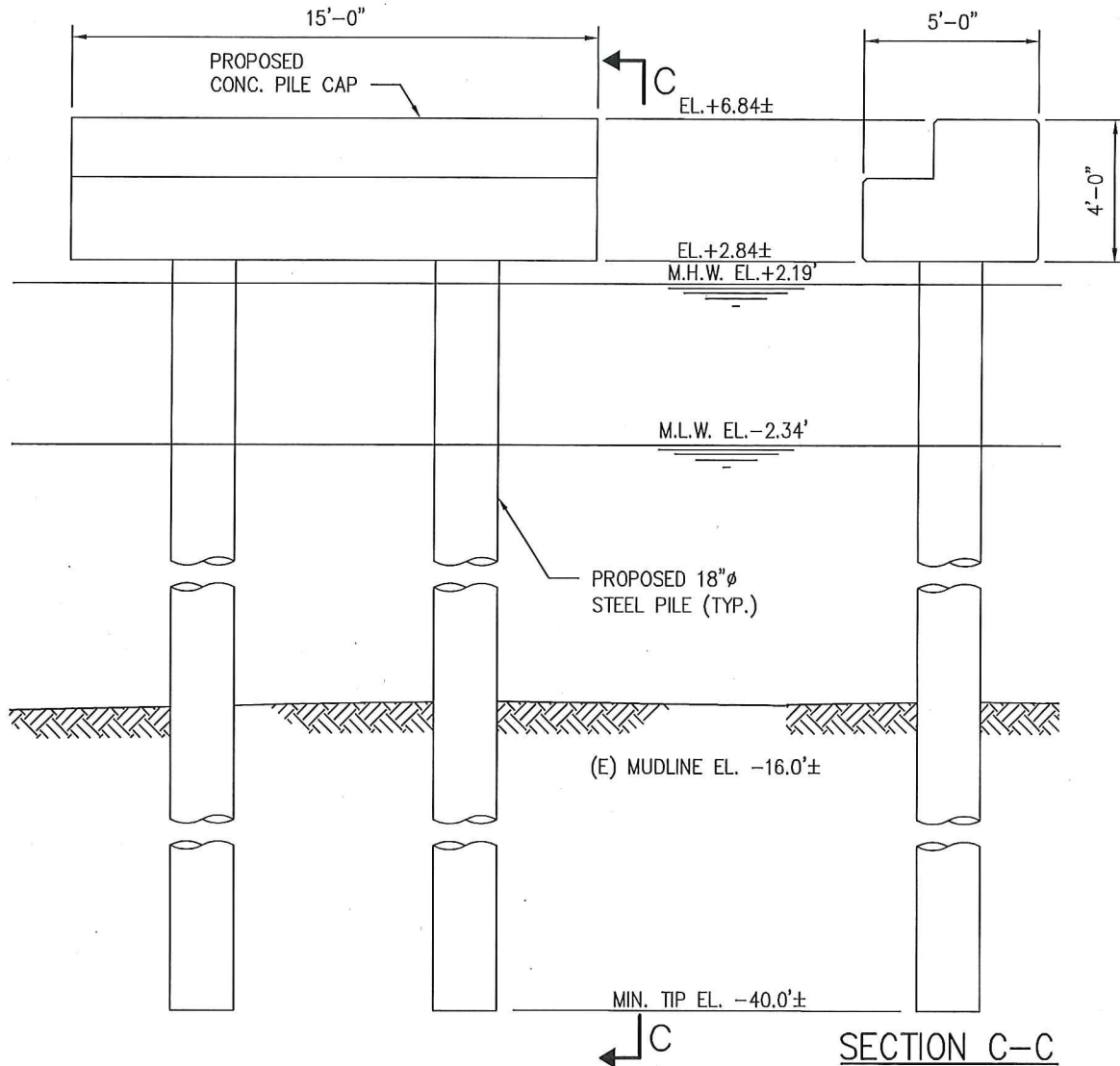
PIER 4 FERRY LANDING REHABILITATION

UPPER BAY/ BAY RIDGE CHANNEL
BROOKLYN
COUNTY OF KINGS
STATE OF NEW YORK

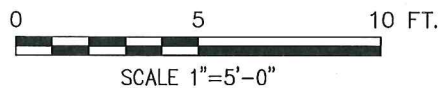
DATE: 06/16/17

SHEET 10 OF 11

CAP BEAM PILES					
PILE ID	QUANTITY	PILE O.D. (IN.)	PILE WALL THICKNESS (IN.)	TIP EL. (FT.)	CUT-OFF EL. (FT.)
ANCHOR	2	18	3/4"	-40.0±	4.5'±



PROPOSED CAP BEAM PILE ELEVATION



FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

DATUM: NAV88

APPLICATION BY: BROOKLYN ARMY TERMINAL

APPLICATION NO.:

AGENT: BTMI ENGINEERING, P.C. (COWI)

PIER 4 FERRY LANDING REHABILITATION

UPPER BAY/ BAY RIDGE CHANNEL

BROOKLYN

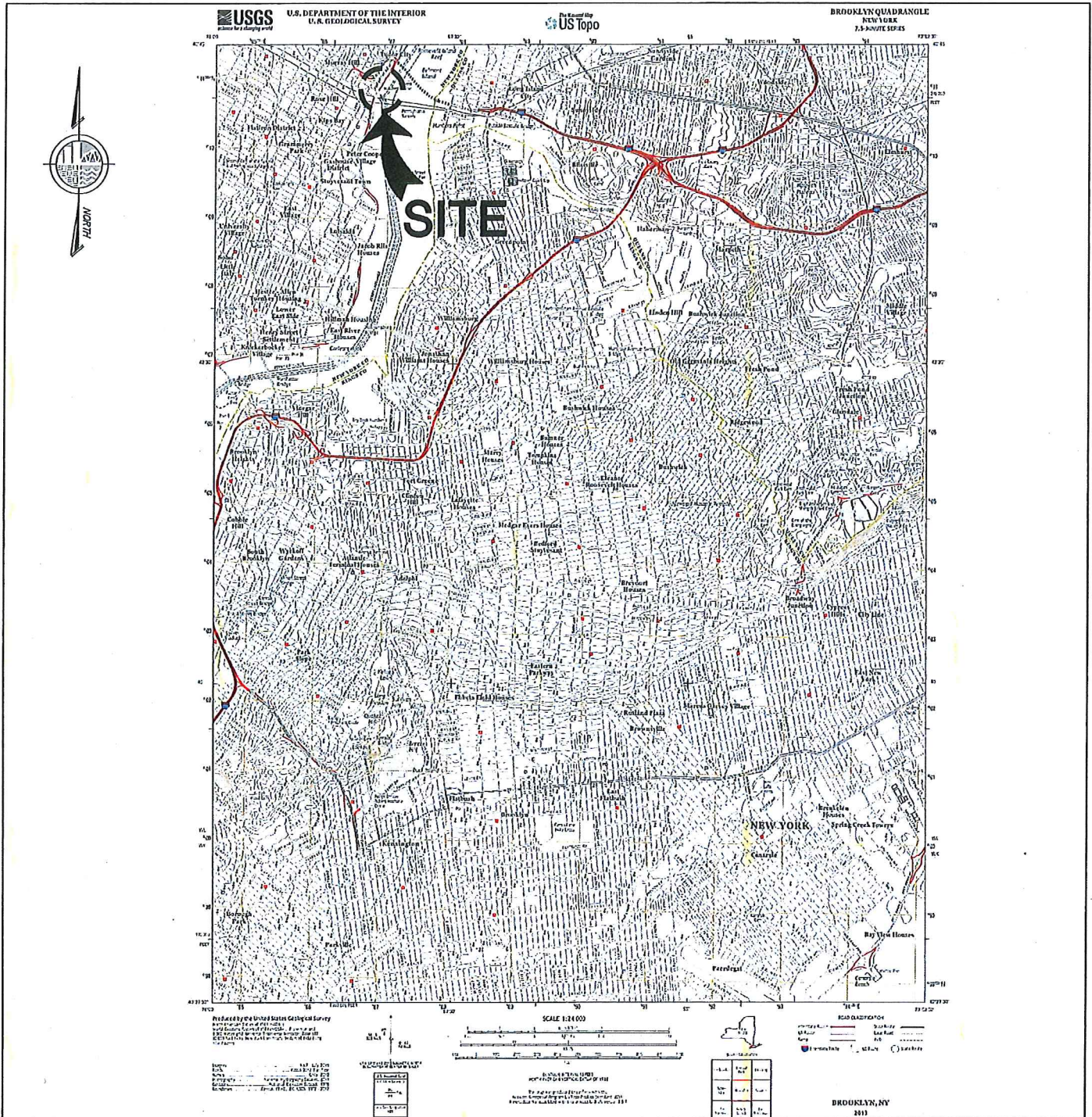
COUNTY OF KINGS

STATE OF NEW YORK

DATE: 06/16/17

SHEET 11 OF 11

NAN-2017-01429-ESW



FILE # —
 PURPOSE: CITYWIDE FERRY SERVICE
 DATUM: NAVD88
 ADJACENT OWNERS:
 SEE ATTACHED LIST

EAST 34TH STREET

APPLICANT: NEW YORK CITY ECONOMIC
 DEVELOPMENT CORPORATION
 110 WILLIAM ST.
 NEW YORK, N.Y. 10038

AGENT: M.G. McLAREN, P.C.
 100 SNAKE HILL ROAD
 WEST NYACK, N.Y. 10994

1.0 USGS MAP

IN: EAST RIVER
 AT: NEW YORK
 COUNTY OF: NEW YORK STATE: N.Y.

SHT 1 OF 7 10/19/17

NAN-2017-01429-ESW



FILE #
PURPOSE: CITYWIDE FERRY SERVICE
DATUM: NAVD88
ADJACENT OWNERS:
SEE ATTACHED LIST

EAST 34TH STREET

APPLICANT: NEW YORK CITY ECONOMIC
DEVELOPMENT CORPORATION
110 WILLIAM ST.
NEW YORK, N.Y. 10038
AGENT: M.G. McLAREN, P.C.
100 SNAKE HILL ROAD
WEST NYACK, N.Y. 10994

2.0 LOCATION PLAN

IN: EAST RIVER
AT: NEW YORK
COUNTY OF: NEW YORK STATE: N.Y.

SHT 2 OF 7

10/19/17

NAN-2017-01429-ESW

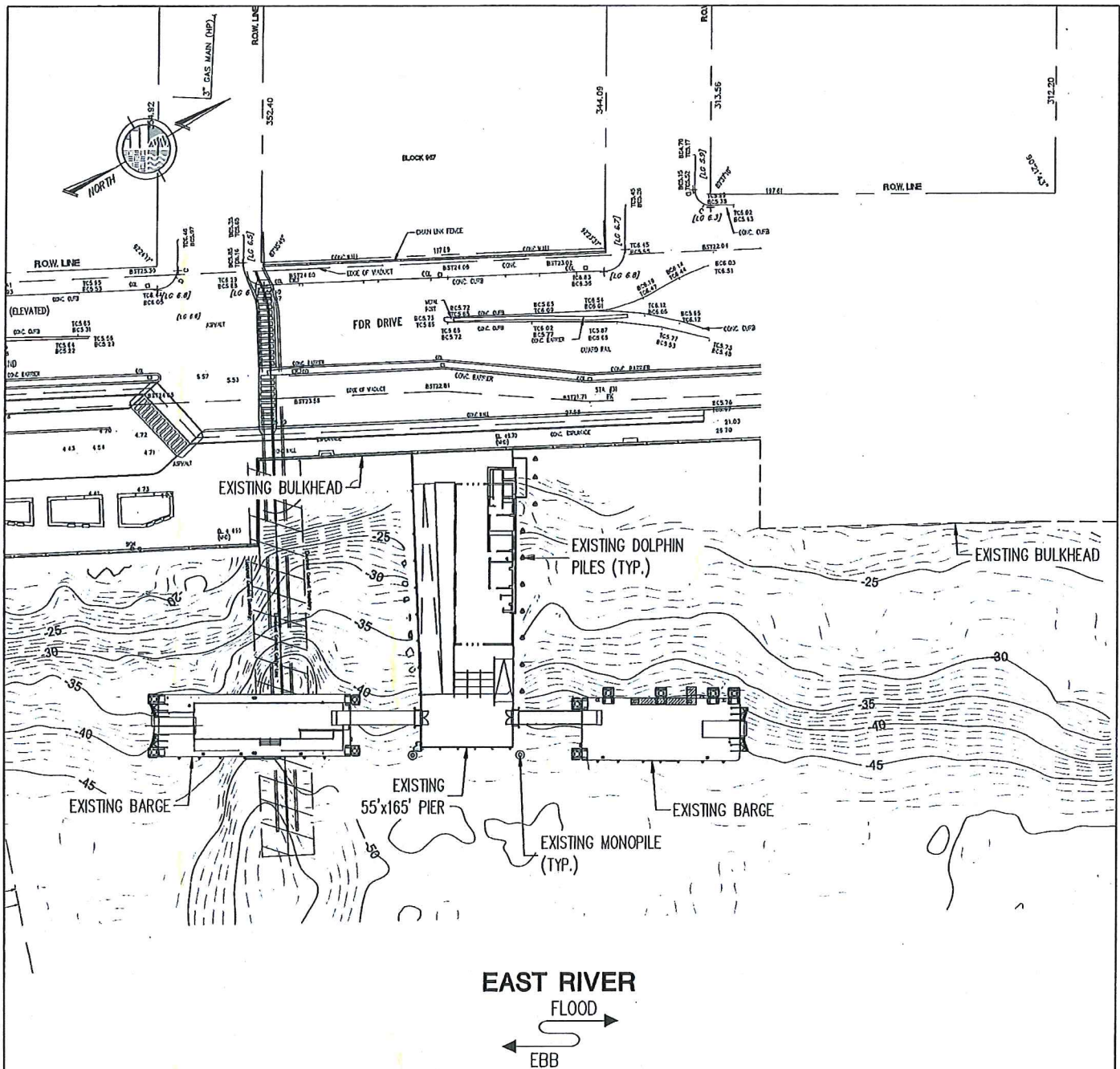
TIDAL DATA	
	NAVD88 (ft)
HIGHEST OBSERVED-HURRICANE SANDY (10/29/2012 LOCAL TIME 21:24)	11.27*
MEAN HIGHER-HIGH WATER (MHHW)	2.21
MEAN HIGH WATER (MHW)	1.87
NAVD88	0.00
MEAN DIURNAL TIDE LEVEL (DTL)	-0.21
LOCAL MEAN SEA LEVEL (LMSL)	-0.22
MEAN TIDE LEVEL (MTL)	-0.26
NGVD29	-1.09
MEAN LOW WATER (MLW)	-2.40
MEAN LOWER-LOW WATER (MLLW)	-2.63
LOWEST OBSERVED (02/02/76)	-7.06*

NOTE(S):

1. WATER ELEVATIONS SHOWN FOR PROJECT SITE BASED ON NOAA VDATUM V. 3.4 "NEW JERSEY/NEW YORK/CONNECTICUT-NORTHERN NJ, NY HARBOR, WESTERN LONG ISLAND SOUND, V. 3.4".
2. * INDICATES TIDAL DATA TAKEN FROM NOAA TIDAL BENCHMARKS AT THE BATTERY, NY - STATION 8518750 (EPOCH 1983-2001).

FILE # PURPOSE: CITYWIDE FERRY SERVICE DATUM: NAVD88 ADJACENT OWNERS: SEE ATTACHED LIST	EAST 34TH STREET APPLICANT: NEW YORK CITY ECONOMIC DEVELOPMENT CORPORATION 110 WILLIAM ST. NEW YORK, N.Y. 10038 AGENT: M.G. McLAREN, P.C. 100 SNAKE HILL ROAD WEST NYACK, N.Y. 10994	3.0 TIDAL DATA IN: EAST RIVER AT: NEW YORK COUNTY OF: NEW YORK STATE: N.Y. SHT 3 OF 7 10/19/17
---	---	---

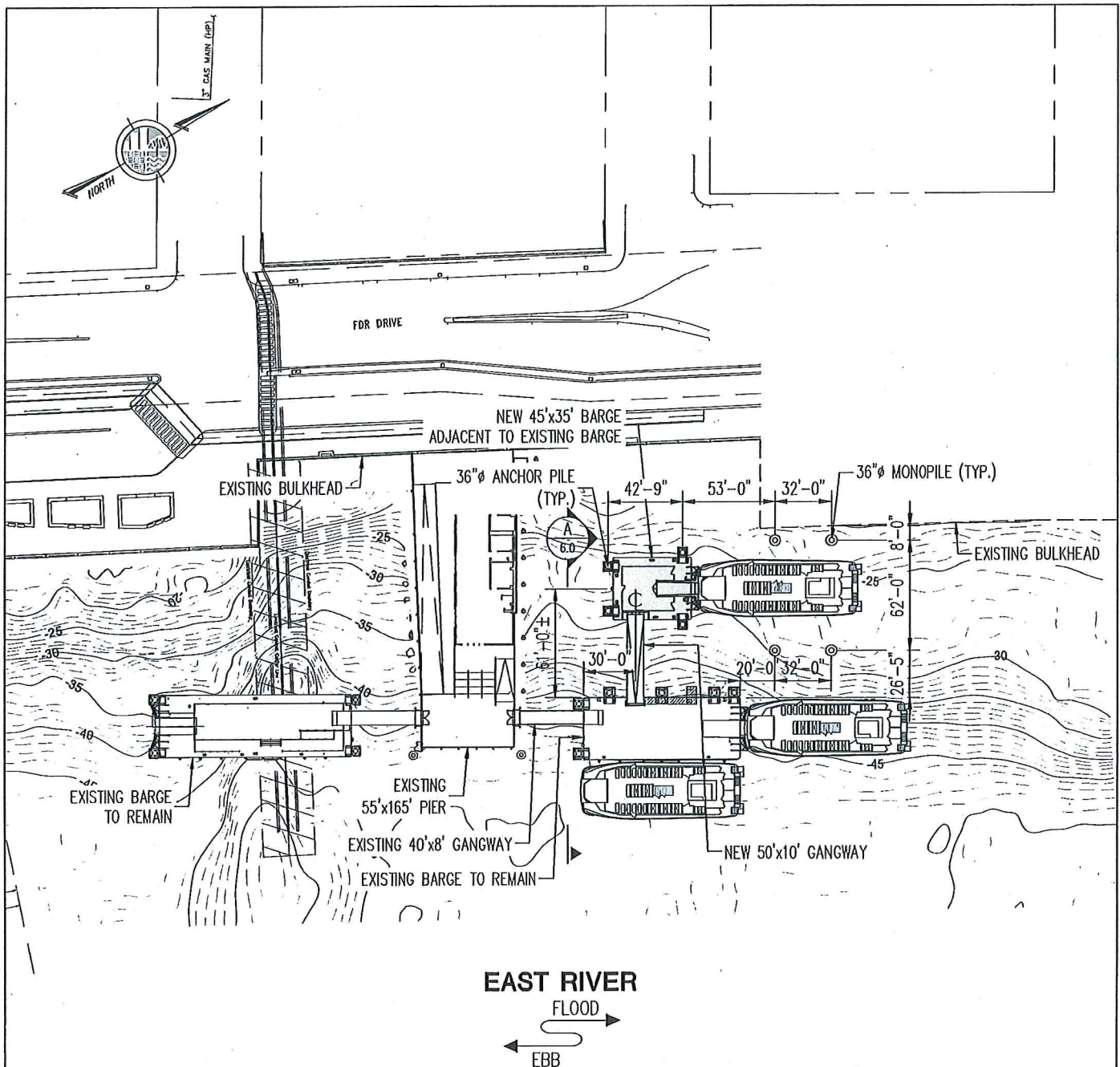
NAN-2017-01429-ESW



<p>FILE # _____</p> <p>PURPOSE: CITYWIDE FERRY SERVICE</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: SEE ATTACHED LIST</p>	<p>EAST 34TH STREET</p> <p>APPLICANT: NEW YORK CITY ECONOMIC DEVELOPMENT CORPORATION 110 WILLIAM ST. NEW YORK, N.Y. 10038</p> <p>AGENT: M.G. McLAREN, P.C. 100 SNAKE HILL ROAD WEST NYACK, N.Y. 10994</p>	<p>4.0 EXISTING SITE PLAN</p> <p>IN: EAST RIVER AT: NEW YORK COUNTY OF: NEW YORK STATE: N.Y.</p> <p>80' 0 80' FT</p> <p>SCALE: 1" = 80'</p> <p>SHT 4 OF 7 10/19/17</p>
---	--	--

FILE NAME: P:\Proj\50\150898.02\10_Dags\CADD\03_ACOE-Permit\01_E34_East 34th Street\5.0 Proposed Site Plan.dwg PLOT TIME: Wed, 18 Oct 2017 - 4:26pm LAST SAVE: Wed, 18 Oct 2017 - 4:23pm BY: Bblarquez

NAN-2017-01429-ESW



FILE # _____
 PURPOSE: CITYWIDE FERRY SERVICE
 DATUM: NAVD88
 ADJACENT OWNERS:
 SEE ATTACHED LIST

EAST 34TH STREET

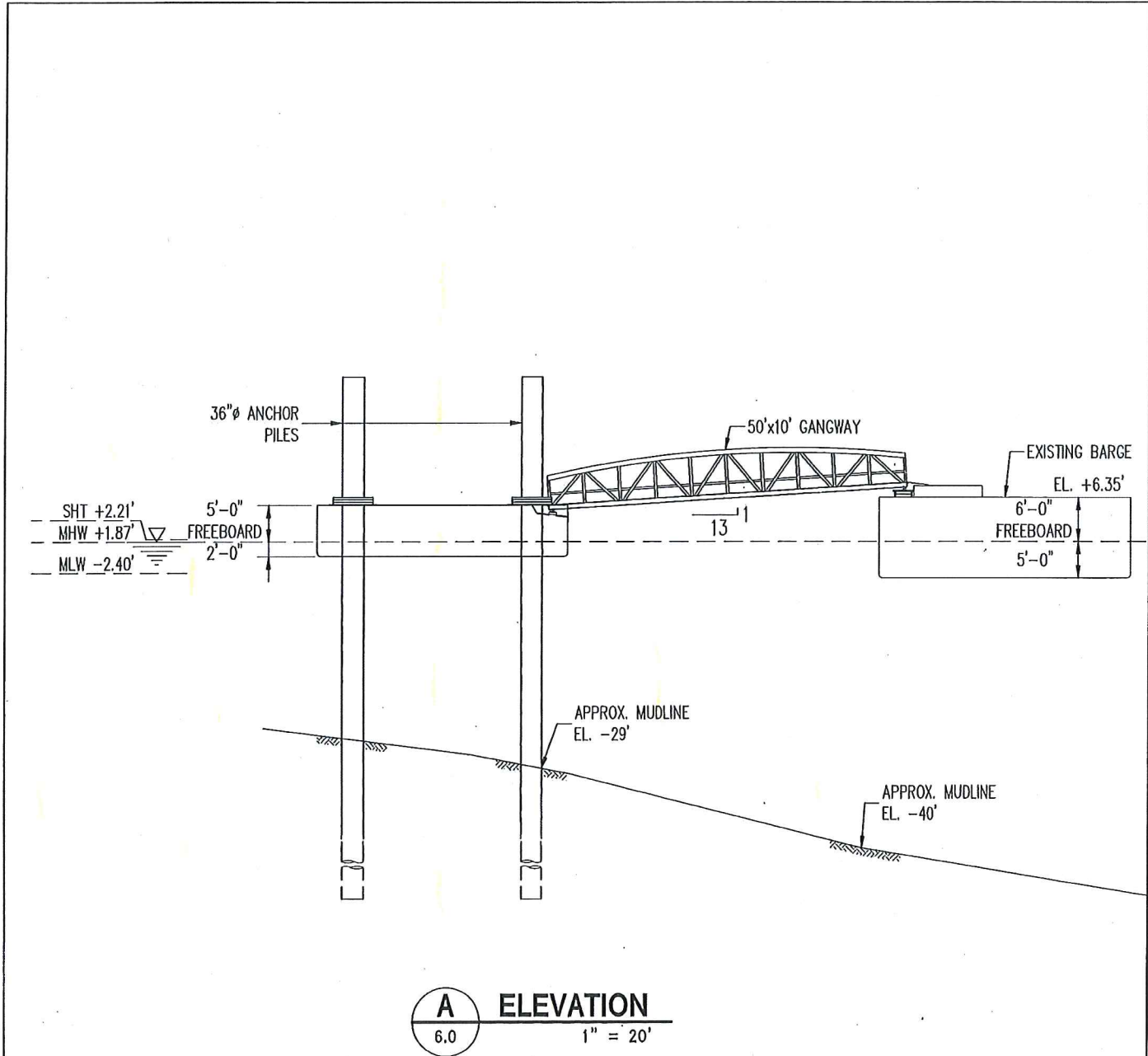
APPLICANT: NEW YORK CITY ECONOMIC
 DEVELOPMENT CORPORATION
 110 WILLIAM ST.
 NEW YORK, N.Y. 10038

AGENT: M.G. McLAREN, P.C.
 100 SNAKE HILL ROAD
 WEST NYACK, N.Y. 10994

5.0 PROPOSED SITE PLAN

IN: EAST RIVER
 AT: NEW YORK
 COUNTY OF: NEW YORK STATE: N.Y.
 SCALE: 1" = 80'
 SHT 5 OF 7 10/19/17

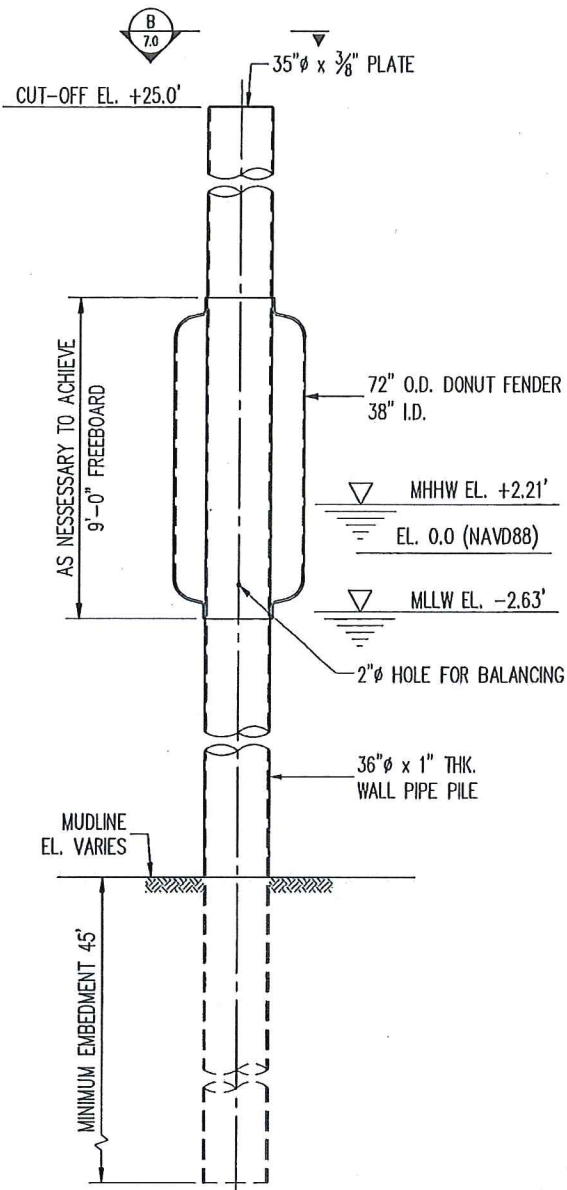
NAN-2017-01429-ESW



A ELEVATION
6.0 1" = 20'

<p>FILE # _____ PURPOSE: CITYWIDE FERRY SERVICE DATUM: NAVD88 ADJACENT OWNERS: SEE ATTACHED LIST</p>	<p>EAST 34TH STREET APPLICANT: NEW YORK CITY ECONOMIC DEVELOPMENT CORPORATION 110 WILLIAM ST. NEW YORK, N.Y. 10038 AGENT: M.G. McLAREN, P.C. 100 SNAKE HILL ROAD WEST NYACK, N.Y. 10994</p>	<p>6.0 ELEVATION IN: EAST RIVER AT: NEW YORK COUNTY OF: NEW YORK STATE: N.Y. 20' 10' 0 20' SCALE: 1" = 20' SHT 6 OF 7 10/19/17</p>
--	--	--

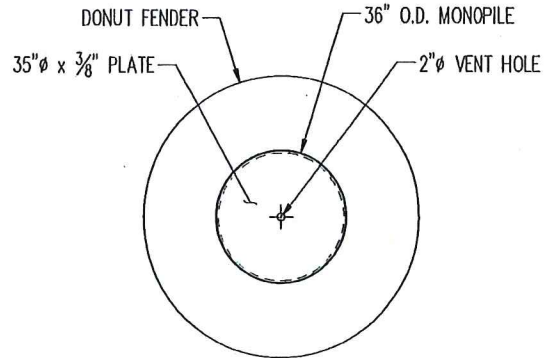
NAN-2017-01429-ESW



A MONOPILE ELEVATION
7.0 1/8" = 1'-0"

NOTE(S):

1. MONOPILES TO BE COATED AS PER SPEC 02361 TO MIN. 10' BELOW MUDLINE.



B SECTION
7.0 1/4" = 1'-0"

FILE #
PURPOSE: CITYWIDE FERRY SERVICE
DATUM: NAVD88
ADJACENT OWNERS:
SEE ATTACHED LIST

EAST 34TH STREET

APPLICANT: NEW YORK CITY ECONOMIC
DEVELOPMENT CORPORATION
110 WILLIAM ST.
NEW YORK, N.Y. 10038
AGENT: M.G. McLAREN, P.C.
100 SNAKE HILL ROAD
WEST NYACK, N.Y. 10994

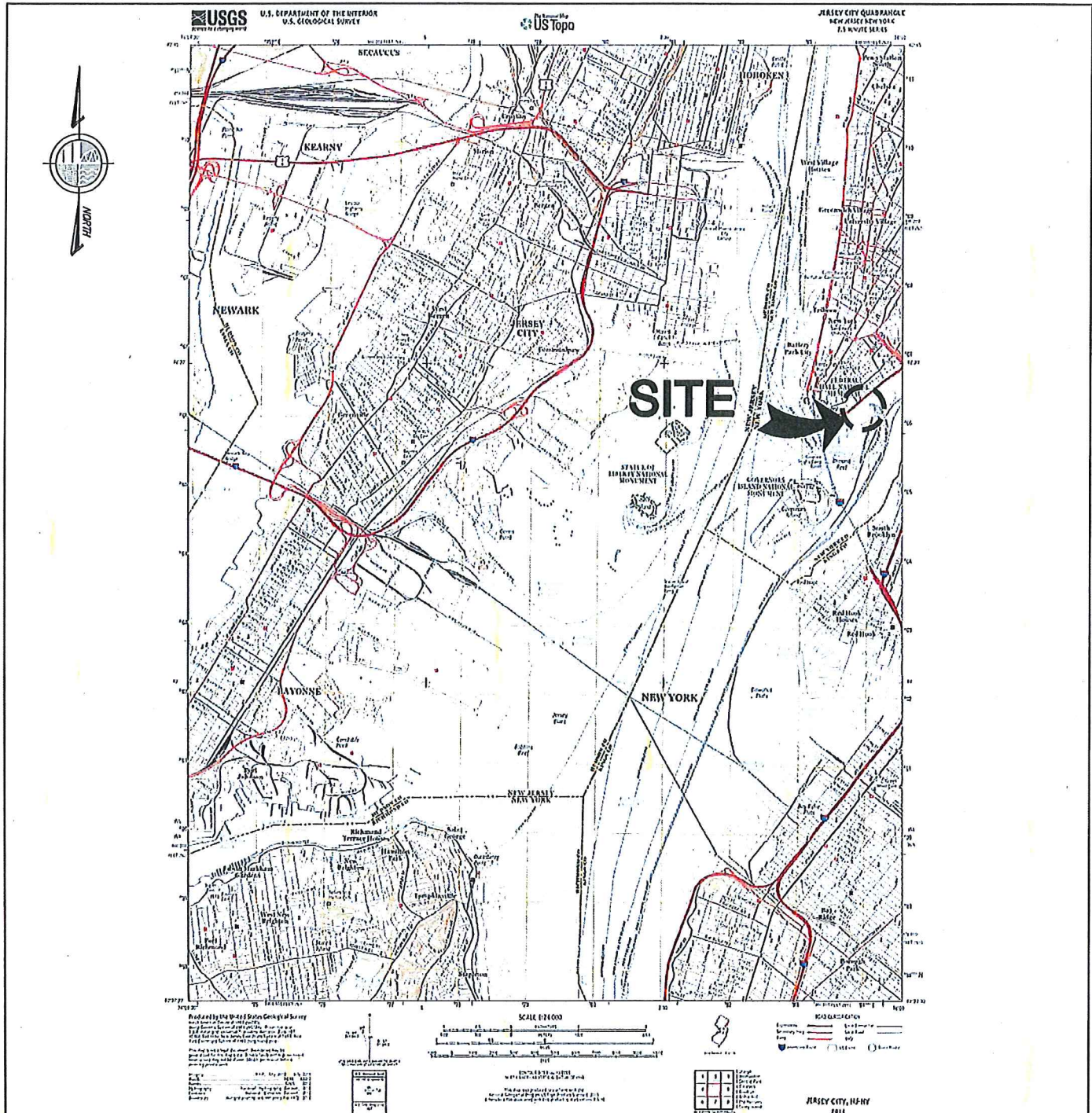
7.0 MONOPILE DETAILS

IN: EAST RIVER
AT: NEW YORK
COUNTY OF: NEW YORK STATE: N.Y.

SHT 7 OF 7

10/19/17

NAN-2017-01479-ESW



FILE #
 PURPOSE: CITYWIDE FERRY SERVICE
 DATUM: NAVD88
 ADJACENT OWNERS:
 SEE ATTACHED LIST

PIER 11
 APPLICANT: NEW YORK CITY ECONOMIC
 DEVELOPMENT CORPORATION
 110 WILLIAM ST.
 NEW YORK, N.Y. 10038
 AGENT: M.G. McLAREN, P.C.
 100 SNAKE HILL ROAD
 WEST NYACK, N.Y. 10994

1.0 USGS MAP
 IN: EAST RIVER
 AT: BROOKLYN
 COUNTY OF: NEW YORK STATE: N.Y.
 SHT 1 OF 7
 11/03/17

NAN-2017-01479-ESW



FILE #
PURPOSE: CITYWIDE FERRY SERVICE
DATUM: NAVD88
ADJACENT OWNERS:
SEE ATTACHED LIST

PIER 11

APPLICANT: NEW YORK CITY ECONOMIC
DEVELOPMENT CORPORATION
110 WILLIAM ST.
NEW YORK, N.Y. 10038
AGENT: M.G. McLAREN, P.C.
100 SNAKE HILL ROAD
WEST NYACK, N.Y. 10994

2.0 LOCATION PLAN

IN: EAST RIVER
AT: BROOKLYN
COUNTY OF: NEW YORK STATE: N.Y.

SHT 2 OF 7

11/03/17

NAN-2017-01479-ESW

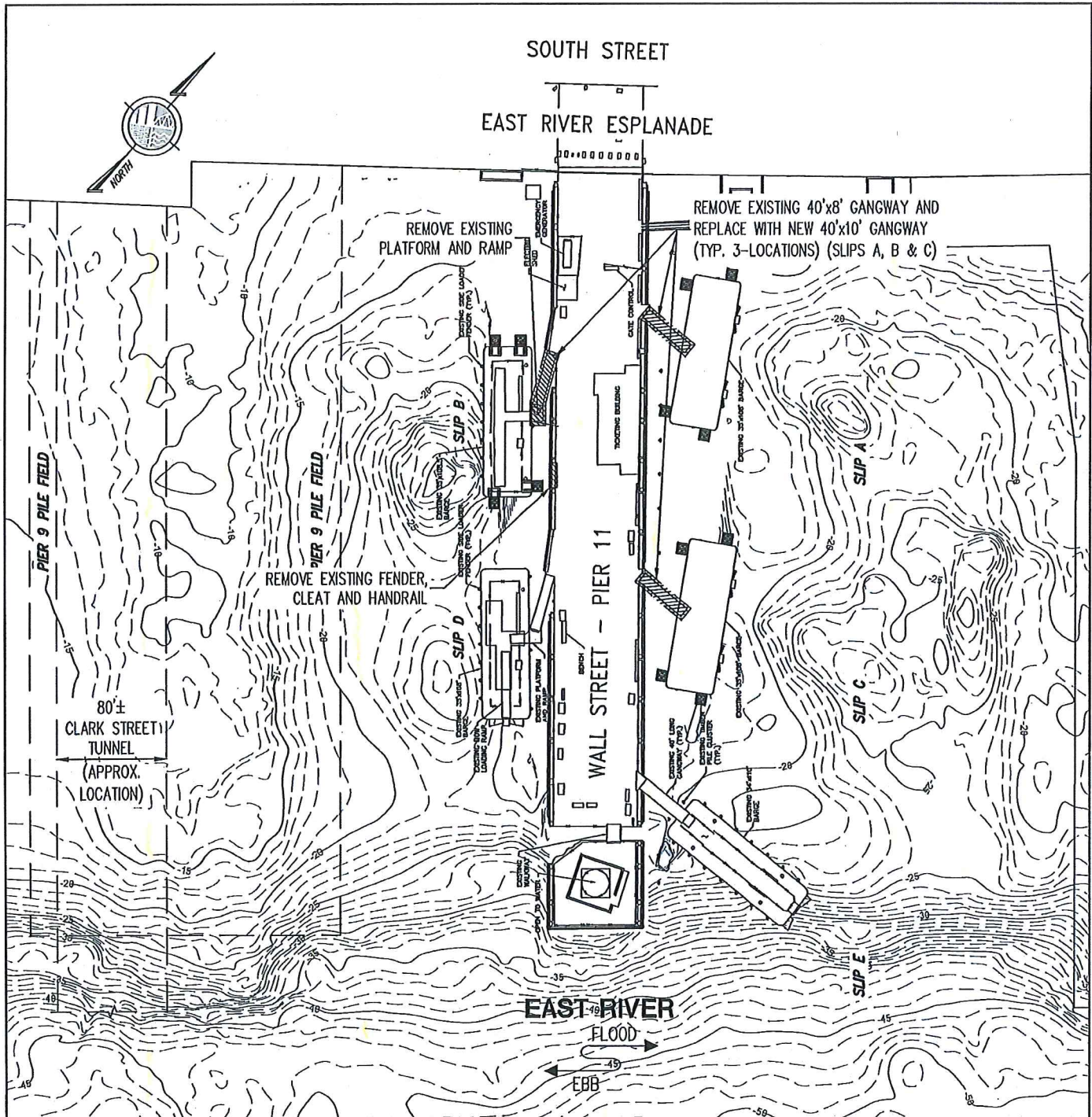
TIDAL DATA	
	NAVD88 (ft)
HIGHEST OBSERVED-HURRICANE SANDY (10/29/2012 LOCAL TIME 21:24)	11.27*
TOP OF EXISTING ESPLANADE	6.33
MEAN HIGHER-HIGH WATER (MHHW)	2.22
MEAN HIGH WATER (MHW)	1.87
NAVD88	0.00
LOCAL MEAN SEA LEVEL (LMSL)	-0.25
MEAN DIURNAL TIDE LEVEL (DTL)	-0.29
MEAN TIDE LEVEL (MTL)	-0.37
NGVD29	-1.11
MEAN LOW WATER (MLW)	-2.60
MEAN LOWER-LOW WATER (MLLW)	-2.80
LOWEST OBSERVED (02/02/76)	-7.06*

NOTE(S):

1. WATER ELEVATIONS SHOWN FOR PROJECT SITE BASED ON NOAA VDATUM V. 3.7 "NEW JERSEY/NEW YORK/CONNECTICUT-NORTHERN NJ, NY HARBOR, WESTERN LONG ISLAND SOUND, V. 3.7".
2. * INDICATES TIDAL DATA TAKEN FROM NOAA TIDAL BENCHMARKS AT THE BATTERY, NY - STATION 8518750 (EPOCH 1983-2001).

<p>FILE # <u> </u></p> <p>PURPOSE: CITYWIDE FERRY SERVICE</p> <p>DATUM: NAVD88</p> <p>ADJACENT OWNERS: SEE ATTACHED LIST</p>	<p>PIER 11</p> <p>APPLICANT: NEW YORK CITY ECONOMIC DEVELOPMENT CORPORATION 110 WILLIAM ST. NEW YORK, N.Y. 10038</p> <p>AGENT: M.G. McLAREN, P.C. 100 SNAKE HILL ROAD WEST NYACK, N.Y. 10994</p>	<p>3.0 TIDAL DATA</p> <p>IN: EAST RIVER AT: BROOKLYN COUNTY OF: NEW YORK STATE: N.Y.</p> <p>SHT 3 OF 7 11/03/17</p>
---	--	--

FILE NAME: F:\Proj\50\150898.02\10_Dwg\CA00\03_ACOE-Permit\04_P11_Mat Street - Pier 11\3.0 Tidal Data.dwg PLOT TIME: Thu, 02 Nov 2017 - 4:15pm LAST SAVE: Thu, 26 Oct 2017 - 11:32am BY: BMarquez



FILE # -
PURPOSE: CITYWIDE FERRY SERVICE
DATUM: NAVD88
ADJACENT OWNERS:
SEE ATTACHED LIST

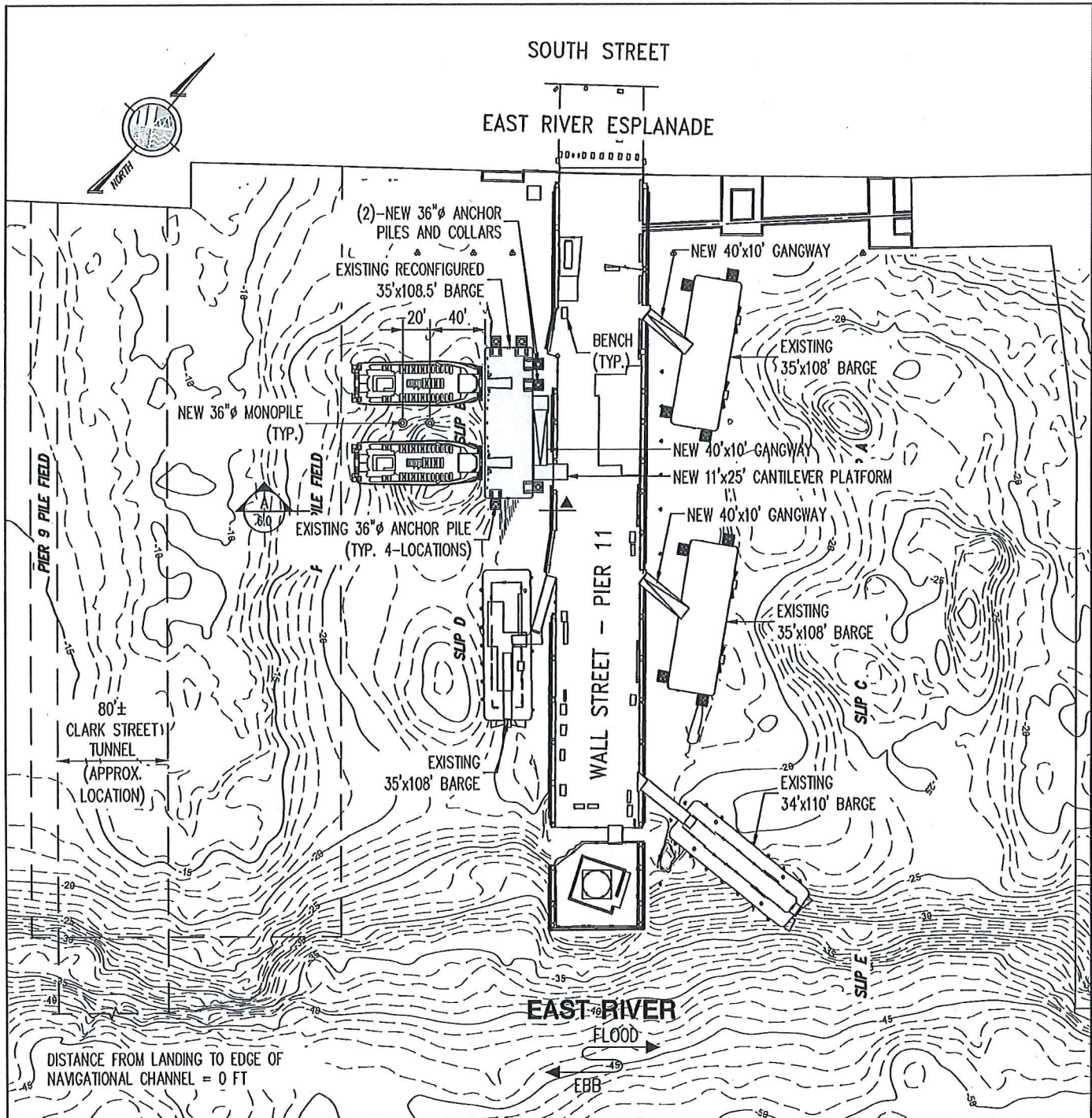
PIER 11

APPLICANT: NEW YORK CITY ECONOMIC
DEVELOPMENT CORPORATION
110 WILLIAM ST.
NEW YORK, N.Y. 10038
AGENT: M.G. McLAREN, P.C.
100 SNAKE HILL ROAD
WEST NYACK, N.Y. 10994

4.0 EXISTING SITE PLAN

IN: EAST RIVER
AT: BROOKLYN
COUNTY OF: NEW YORK STATE: N.Y.
100' 0 100'
SCALE: 1" = 100'
SHT 4 OF 7 11/03/17

NAN-2017-01479-ESW



FILE #
PURPOSE: CITYWIDE FERRY SERVICE
DATUM: NAVD88
ADJACENT OWNERS:
SEE ATTACHED LIST

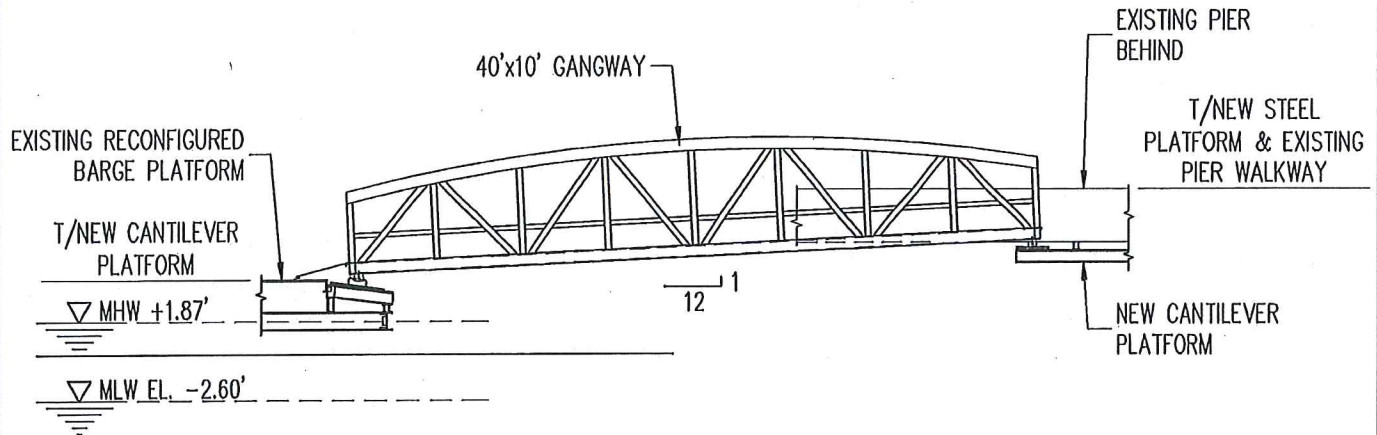
PIER 11

APPLICANT: NEW YORK CITY ECONOMIC
DEVELOPMENT CORPORATION
110 WILLIAM ST.
NEW YORK, N.Y. 10038
AGENT: M.G. McLAREN, P.C.
100 SNAKE HILL ROAD
WEST NYACK, N.Y. 10994

5.0 PROPOSED SITE PLAN

IN: EAST RIVER
AT: BROOKLYN
COUNTY OF: NEW YORK STATE: N.Y.
100' 0 100'
SCALE: 1" = 100'
SHT 5 OF 7 11/03/17

NAN-2017-01479-ESW



APPROX. MUDLINE EL. 20'

A ELEVATION
6.0 1" = 20'

FILE #
PURPOSE: CITYWIDE FERRY SERVICE
DATUM: NAVD88
ADJACENT OWNERS:
SEE ATTACHED LIST

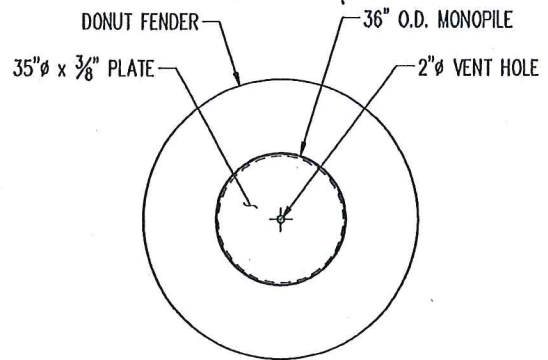
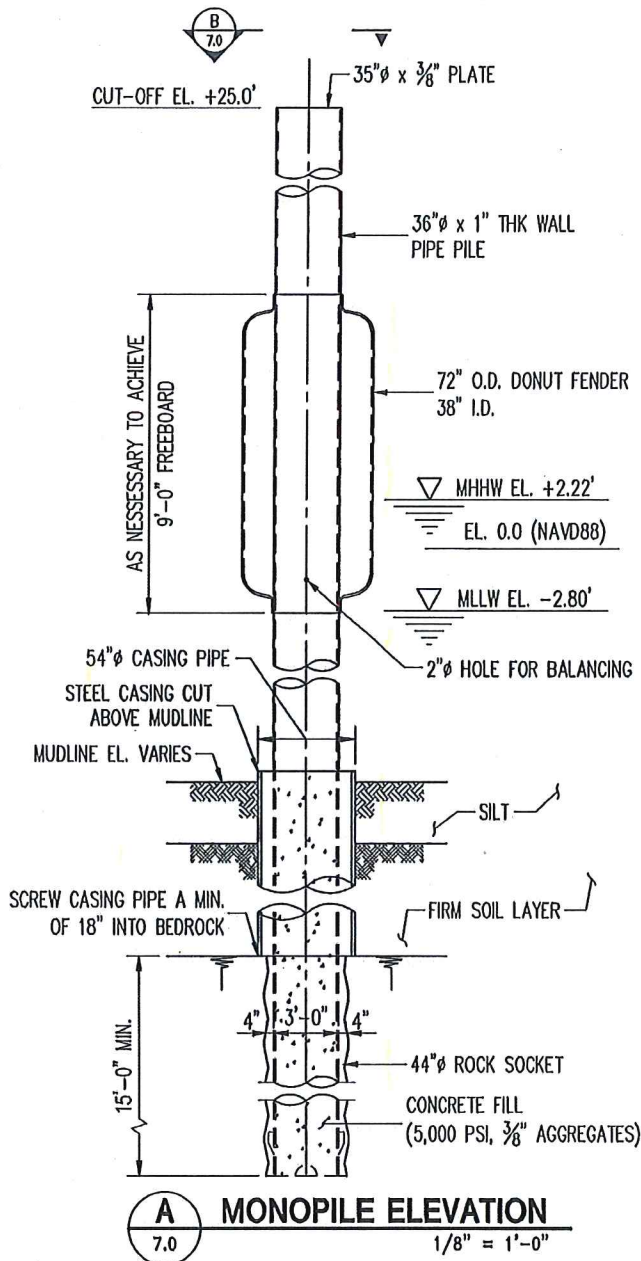
PIER 11

APPLICANT: NEW YORK CITY ECONOMIC
DEVELOPMENT CORPORATION
110 WILLIAM ST.
NEW YORK, N.Y. 10038
AGENT: M.G. McLAREN, P.C.
100 SNAKE HILL ROAD
WEST NYACK, N.Y. 10994

6.0 ELEVATION

IN: EAST RIVER
AT: BROOKLYN
COUNTY OF: NEW YORK STATE: N.Y.
10' 0 10' FT
SCALE: 1" = 10'
SHT 6 OF 7 11/03/17

NAN-2017-01479-ESW



B SECTION 7.0 1/4" = 1'-0"

NOTE(S):

1. ROUGH SURFACE IS PREFERRED AT ROCK SOCKET.
2. ROCK SOCKET SHALL BE CLEANED BEFORE PLACING CONCRETE.
3. CONCRETE SHALL BE PLACED THROUGH A TREMIE OR CONCRETE PUMP.

FILE #
PURPOSE: CITYWIDE FERRY SERVICE
DATUM: NAVD88
ADJACENT OWNERS:
SEE ATTACHED LIST

PIER 11

APPLICANT: NEW YORK CITY ECONOMIC
DEVELOPMENT CORPORATION
110 WILLIAM ST.
NEW YORK, N.Y. 10038
AGENT: M.G. McLAREN, P.C.
100 SNAKE HILL ROAD
WEST NYACK, N.Y. 10994

7.0 MONOPILE DETAILS

IN: EAST RIVER
AT: BROOKLYN
COUNTY OF: NEW YORK STATE: N.Y.

SHT 7 OF 7

11/03/17