



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-2008-497-EHA
Issue Date: July 14, 2008
Expiration Date: August 13, 2008

To Whom It May Concern:

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

APPLICANT: New York City Fire Department
Buildings Maintenance Division
48-34 35th Street
Long Island City, New York 11101

ACTIVITY: Reconstruct Pier 53

WATERWAY: Hudson River, a tributary to Upper New York Bay

LOCATION: Borough of Manhattan, New York County, 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 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.

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

CENAN-OP-RE
PUBLIC NOTICE NO. NAN-2008-497-EHA

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 and work will be scheduled to avoid impacts to wintering habitat. Further consultation with NOAA/FS regarding EFH impacts and conservation recommendations 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, the bulkhead is eligible for, or included in, the Register within the permit area. The bulkhead will be reconstructed in accordance with a Programmatic Agreement Among the United States Army Corps of Engineers, The New York State Historic Preservation Officer and the Advisory Council on Historic Preservation Regarding the Development of the Hudson River Park Along Manhattan's West Side in New York City, New York. The proposed bulkhead reconstruction will have no significant adverse impact upon architectural or archeological resources (97PR0483/03PR04041). Presently unknown archeological, scientific, prehistorical, or historical data may be lost by other work accomplished under the required permit.

Reviews of activities pursuant to Section 404 of the Clean Water Act will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 (b) of the Clean Water Act and the applicant will obtain a water quality certificate or waiver from the appropriate state agency in accordance with Section 401 of the Clean Water Act prior to a permit decision.

Pursuant to Section 307 (c) of the Coastal Zone Management Act of 1972 as amended [16 U.S.C. 1456 (c)], for activities under consideration that are located within the coastal zone of a state which has a federally approved coastal zone management program, the applicant has certified in the permit application that the activity complies with, and will be conducted in a manner that is consistent with, the approved state coastal zone management program. By this public notice, we are requesting the state's concurrence with, objection to, or waiver of the applicant's certification. No permit decision will be made until one of these actions occurs. For activities within the coastal zone of New 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, 41 State Street, 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
- New York City Department of Planning

CENAN-OP-RE
PUBLIC NOTICE NO. NAN-2008-497-EHA

It is requested that you communicate the foregoing information concerning the activity to any persons known by you to be interested and who did not receive a copy of this notice. If you have any questions concerning this application, you may contact this office at (917) 790-8523 and ask for Naomi Handell.

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

A handwritten signature in black ink, appearing to read "Richard L. Tomer", with a long horizontal flourish extending to the right.

ROL Richard L. Tomer
Chief, Regulatory Branch

Enclosures

WORK DESCRIPTION

The applicant, New York City Fire Department, has requested Department of the Army authorization to reconstruct Pier 53 in the Hudson River a tributary to Upper New York Bay, Borough of Manhattan, New York County, New York.

The work would involve:

Demolition Activities (see Sheets 3 and 4 of 21)

- Install a debris screen to capture floating debris
- Removal of the existing timber pier deck;
- Removal of the existing float and gangway to the south of the timber pier deck;
- Removal of concrete debris from the mudline;
- Removal of timber piles from the pile field north of Pier 53;
- Removal of concrete piles from the mudline;
- Removal of existing fender system;
- Removal of two (7) pile timber dolphins;
- Removal of the gangway at the finger pier;
- All demolition debris will be removed to an approved upland location

Construction Activities (see Sheets 9 through 12 of 21)

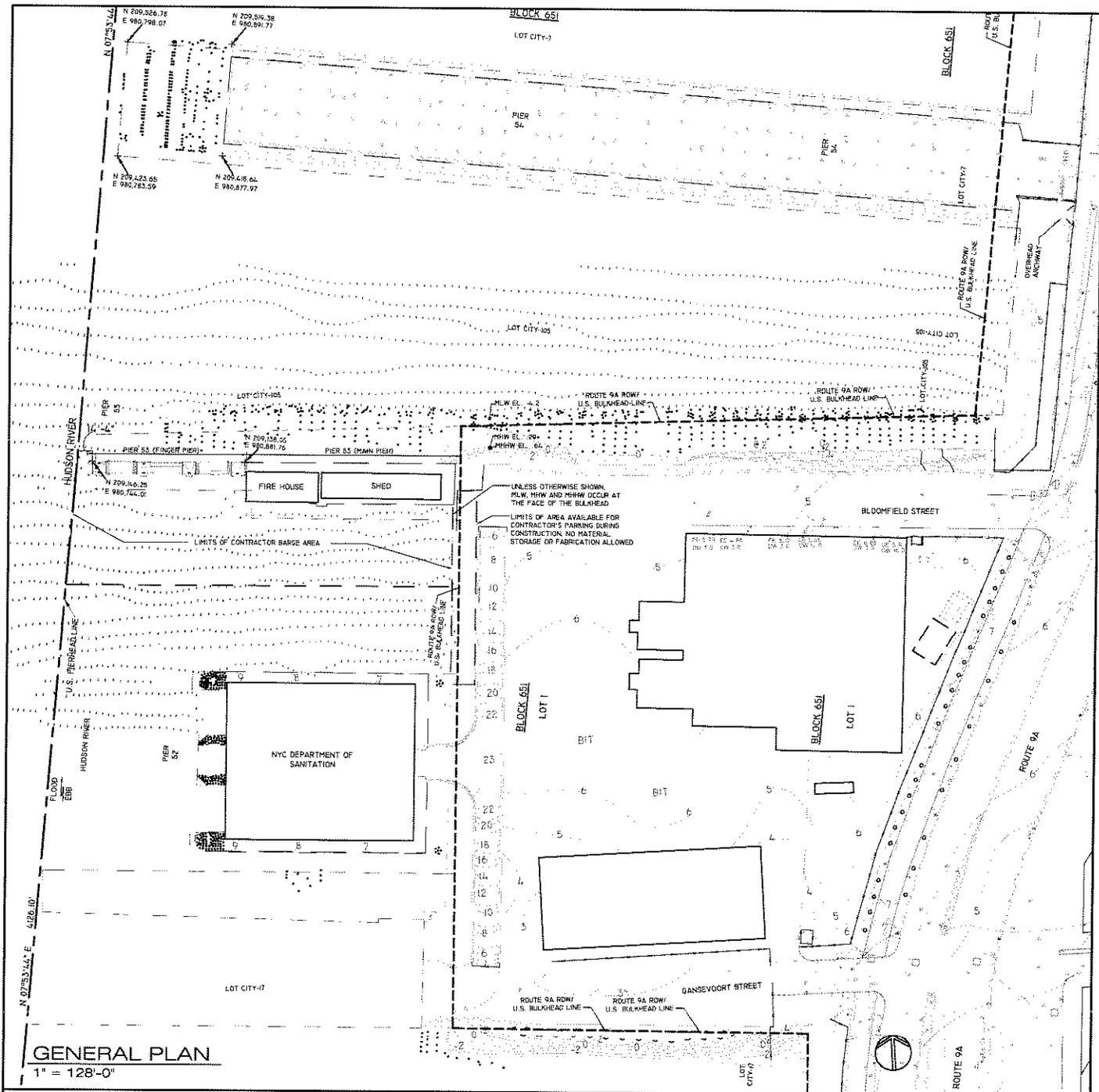
- Where the pier meets the shoreline, construct 62 linear feet of steel sheet pile bulkhead within 18 inches waterward of the existing bulkhead. Bulkhead construction will result in the placement of approximately 30 cubic yards of fill waterward of the spring high water line, filling an area of approximately 98 square feet.
- Construct a new 193 foot long by 16 to 34 foot wide main pier using composite deck material (precast plank over concrete topping), supported by 32 precast, pre-stressed (PCPS) 20 inch and 24 inch diameter concrete piles, install a timber fender system along the north and south sides of the pier, install a 5 foot diameter by 10 foot long foam filled fender on the south side of the pier; install a 3 pile timber cluster, comprised of 12 inch diameter pilings on the north side of the pier;
- At the finger pier located to the west of the main pier, replace the previously damaged middle section of decking, install 4 new 12 inch diameter PCPS concrete piles, install a 12 foot long by 3 foot wide aluminum gangway, install a new approximately 2 foot wide ladder, install six 5 foot diameter by 10 foot long foam filled fenders
- On the south side of the pier, install a 9 foot long by 6.6 foot wide platform, a 40 foot long by 4 foot wide ramp, and an 85 foot long by 10 foot wide float. Install a ladder at the east end of the float and an 8 foot long by 3 foot wide gangway at the west end of the float.
- Install an approximately 90 foot long timber wave screen, supported by six 36 inch diameter steel piles, to the north of the pier. The height of the wave screen would be 16 feet and the bottom of the wave screen would be separated from the mudline by a minimum of 2 feet;
- Install an approximately 45 foot long timber wave screen, supported by three 36 inch diameter steel piles, and an approximately 75 foot long timber wave screen, supported by five 36 inch diameter steel piles, in an "L" shaped configuration, to the south of the pier;
- Install ten 19 pile dolphin clusters, composed of 12 inch diameter piles (total cluster diameter is 5 feet), around the perimeter of the finger pier and the 85 foot long by 10 foot wide float;

The stated purpose of this project is to replace a structurally unsound timber-pile supported pier with a new concrete-pile supported pier and marine facility.



TITLE VICINITY PLAN		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 2000' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6-9-08 REV: 1 SHEET NO. 1 OF 21

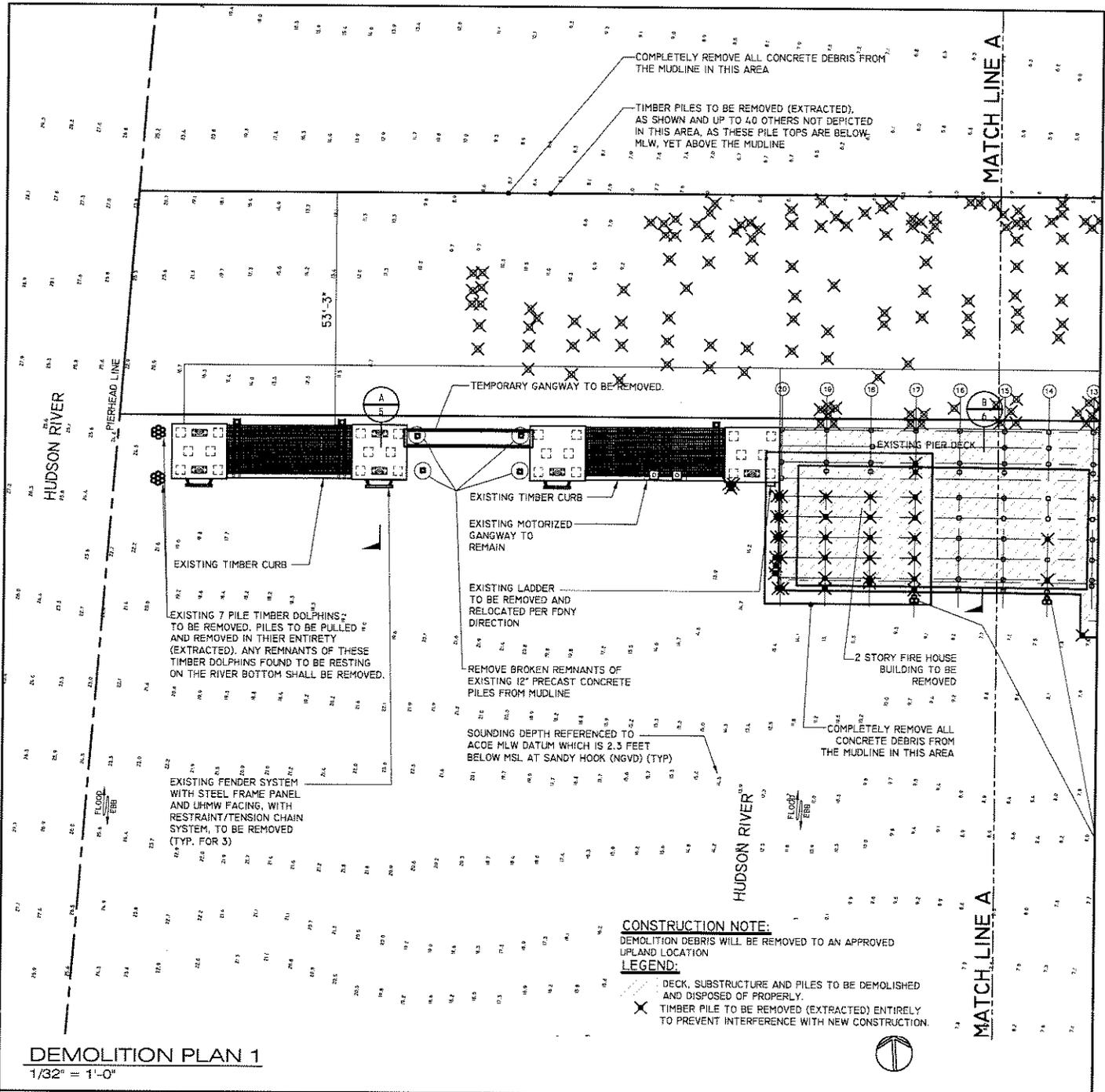
NAN-200800497-EHA



GENERAL PLAN
1" = 128'-0"

TITLE PIER 53 GENERAL PLAN		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 0 128' 256' 1" = 128'	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - ALL ELEVATIONS CORRESPOND TO MANHATTAN BORO DATUM EXCEPT SOUNDINGS, WHICH RELATE TO ACOE MLW DATUM: THIS DATUM IS 2.3 FT BELOW MSL AT SANDY HOOK (TYP).		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 REV: 1 SHEET NO. 2 OF 21

NAN-2008-00497-EHA



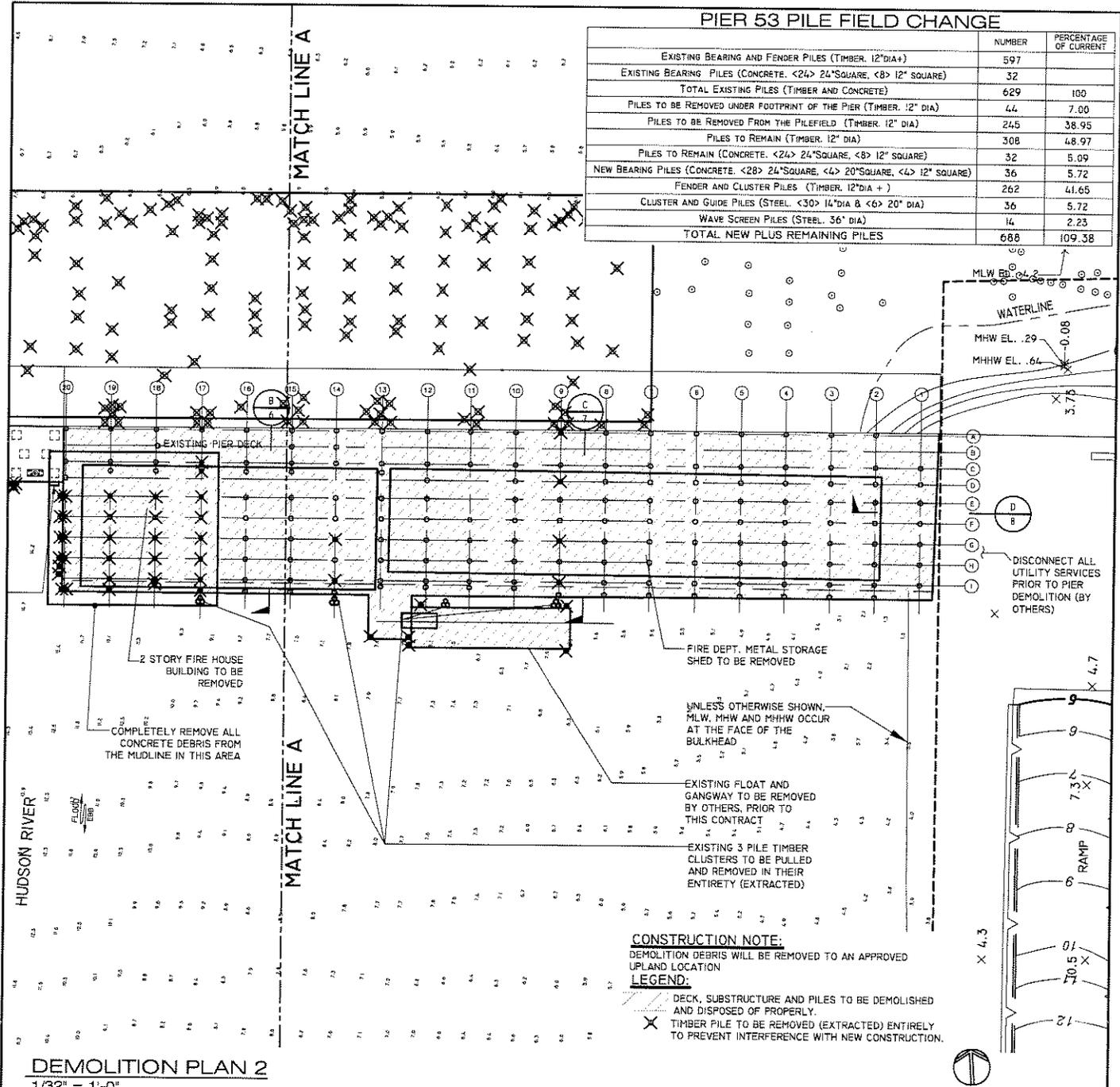
DEMOLITION PLAN 1
1/32" = 1'-0"

TITLE PIER 53 DEMOLITION PLAN I		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 0 32' 64' 1" = 32'		DATUM: MANHATTAN BORO	
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		IN: HUDSON RIVER PARK SEGMENT 5 AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA COUNTY: NEW YORK STATE: NEW YORK	
* NOTE 2 - ALL ELEVATIONS CORRESPOND TO MANHATTAN BORO DATUM EXCEPT SOUNDINGS, WHICH RELATE TO ACEE MLW DATUM; SEE DWG.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	
		DATE: 6 - 09 - 08	REV: 1
		SHEET NO. 3	OF 21

NAN-2008-00497-EHA

PIER 53 PILE FIELD CHANGE

	NUMBER	PERCENTAGE OF CURRENT
EXISTING BEARING AND FENDER PILES (TIMBER, 12" DIA+)	597	
EXISTING BEARING PILES (CONCRETE, <24> 24" SQUARE, <8> 12" SQUARE)	32	
TOTAL EXISTING PILES (TIMBER AND CONCRETE)	629	100
PILES TO BE REMOVED UNDER FOOTPRINT OF THE PIER (TIMBER, 12" DIA)	44	7.00
PILES TO BE REMOVED FROM THE PILEFIELD (TIMBER, 12" DIA)	245	38.95
PILES TO REMAIN (TIMBER, 12" DIA)	308	48.97
PILES TO REMAIN (CONCRETE, <24> 24" SQUARE, <8> 12" SQUARE)	32	5.09
NEW BEARING PILES (CONCRETE, <28> 24" SQUARE, <4> 20" SQUARE, <4> 12" SQUARE)	36	5.72
FENDER AND CLUSTER PILES (TIMBER, 12" DIA +)	262	41.65
CLUSTER AND GUIDE PILES (STEEL, <30> 14" DIA & <6> 20" DIA)	36	5.72
WAVE SCREEN PILES (STEEL, 36" DIA)	14	2.23
TOTAL NEW PLUS REMAINING PILES	688	109.38



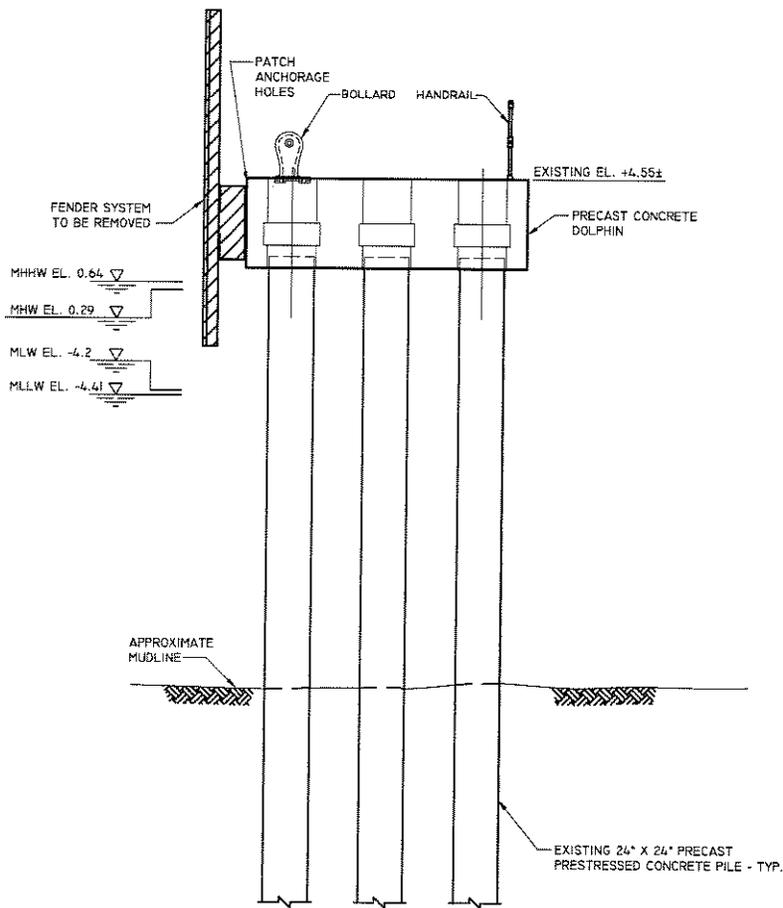
CONSTRUCTION NOTE:
DEMOLITION DEBRIS WILL BE REMOVED TO AN APPROVED UPLAND LOCATION

LEGEND:
 DECK, SUBSTRUCTURE AND PILES TO BE DEMOLISHED AND DISPOSED OF PROPERLY.
 TIMBER PILE TO BE REMOVED (EXTRACTED) ENTIRELY TO PREVENT INTERFERENCE WITH NEW CONSTRUCTION.

DEMOLITION PLAN 2
1/32" = 1'-0"

TITLE PIER 53 DEMOLITION PLAN 2		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 32' 		DATUM: MANHATTAN BORO	
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY	
* NOTE 2 - ALL ELEVATIONS CORRESPOND TO MANHATTAN BORO DATUM EXCEPT SOUNDINGS, WHICH RELATE TO ACQE MLW DATUM; SEE DWG.		AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK	
		MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	
		DATE: 6 - 9 - 08	REV: 1
		SHEET NO. 4 OF 21	

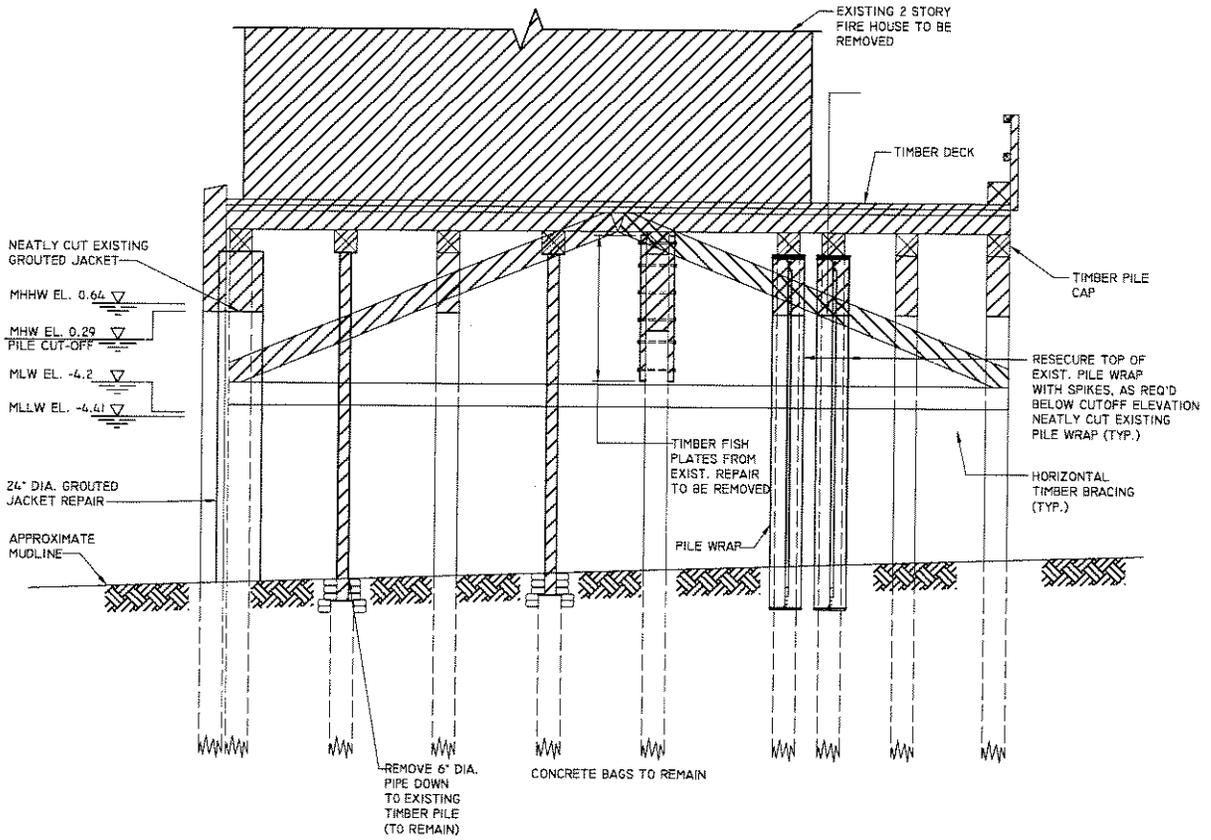
NAN-2008-00497-EHA



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

TITLE DEMOLITION SECTION A		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 8' 0 8' 16'	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 SHEET NO. 5 OF 21 REV. 1

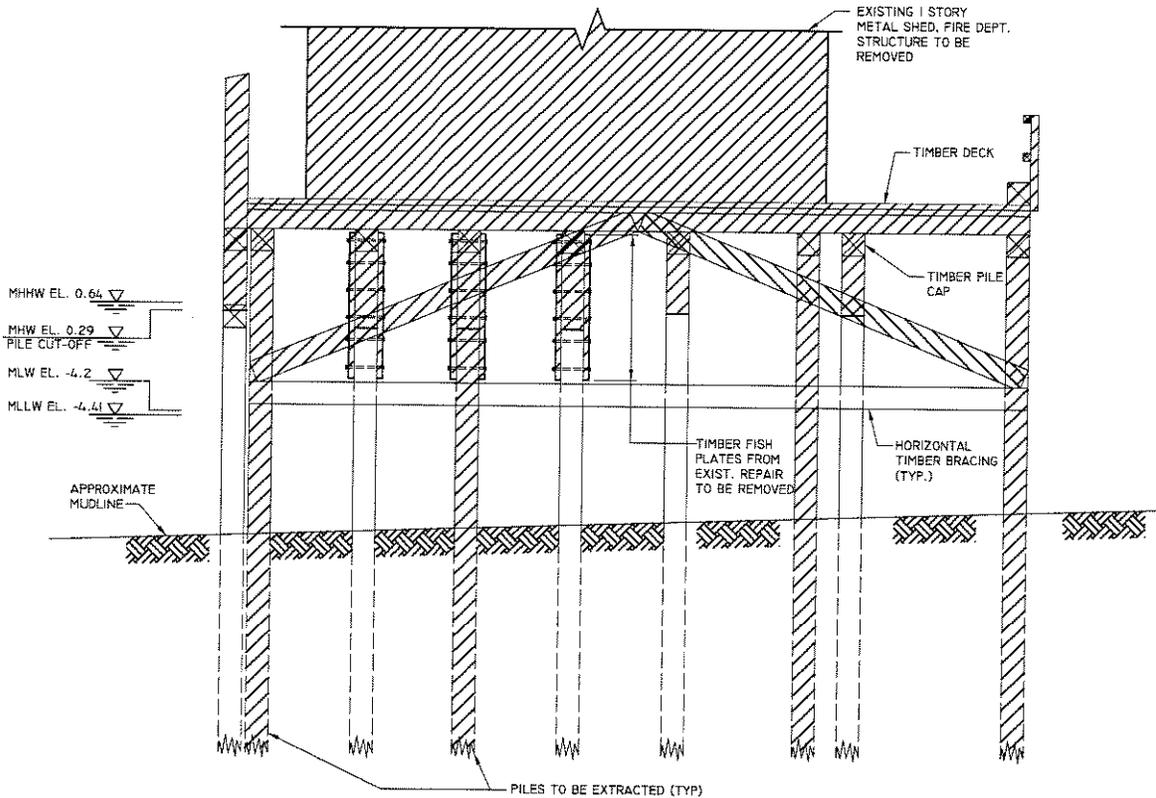
NAN-2.008-00497-EHA



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

TITLE DEMOLITION SECTION B		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 8' 0 8' 16'		DATUM: MANHATTAN BORO	
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY	
(A/XX)		AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK	
MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE		DATE: 6 - 9 - 08	REV: 1
SHEET NO. 6 OF 21			

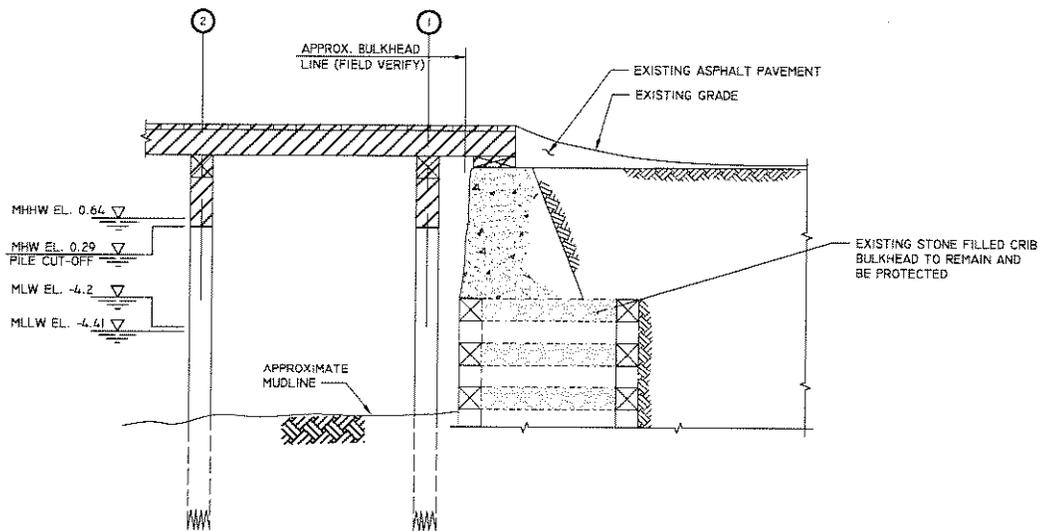
NAN 2008-00497-EHA



C SECTION
 4 1/8" = 1'-0"

TITLE DEMOLITION SECTION C		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 8' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 REV: 1 SHEET NO. 7 OF 21

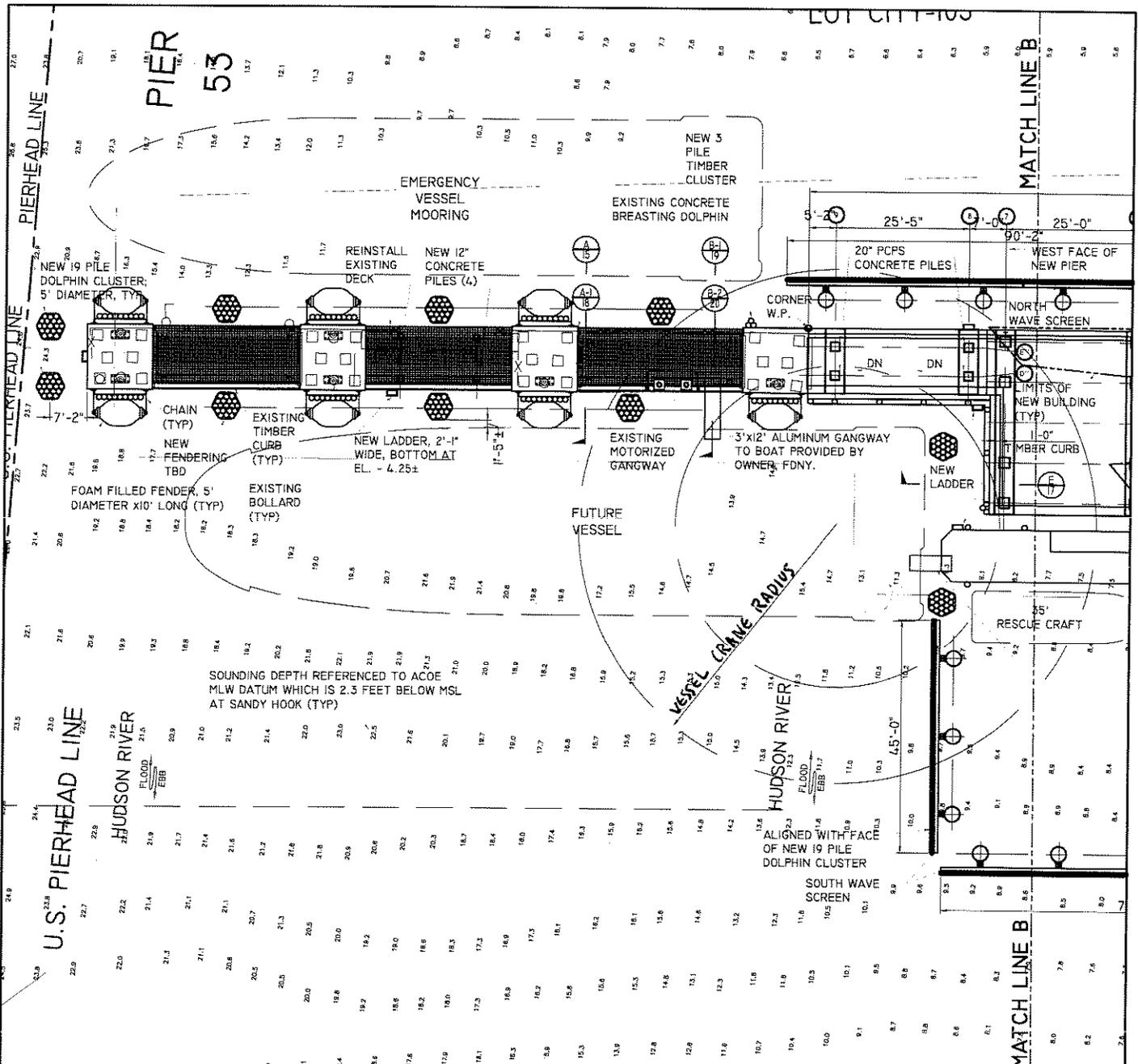
NAN-2008-00497-EHA



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

TITLE DEMOLITION SECTION D		PROPOSED PIER 53 / MARINE COMPANY 1	
GRAPHIC SCALE (S) 1" = 8' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	
		DATE: 6 - 9 - 08	REV: 1
		SHEET NO. 8	OF 21

NAN-2008-00497-EHA



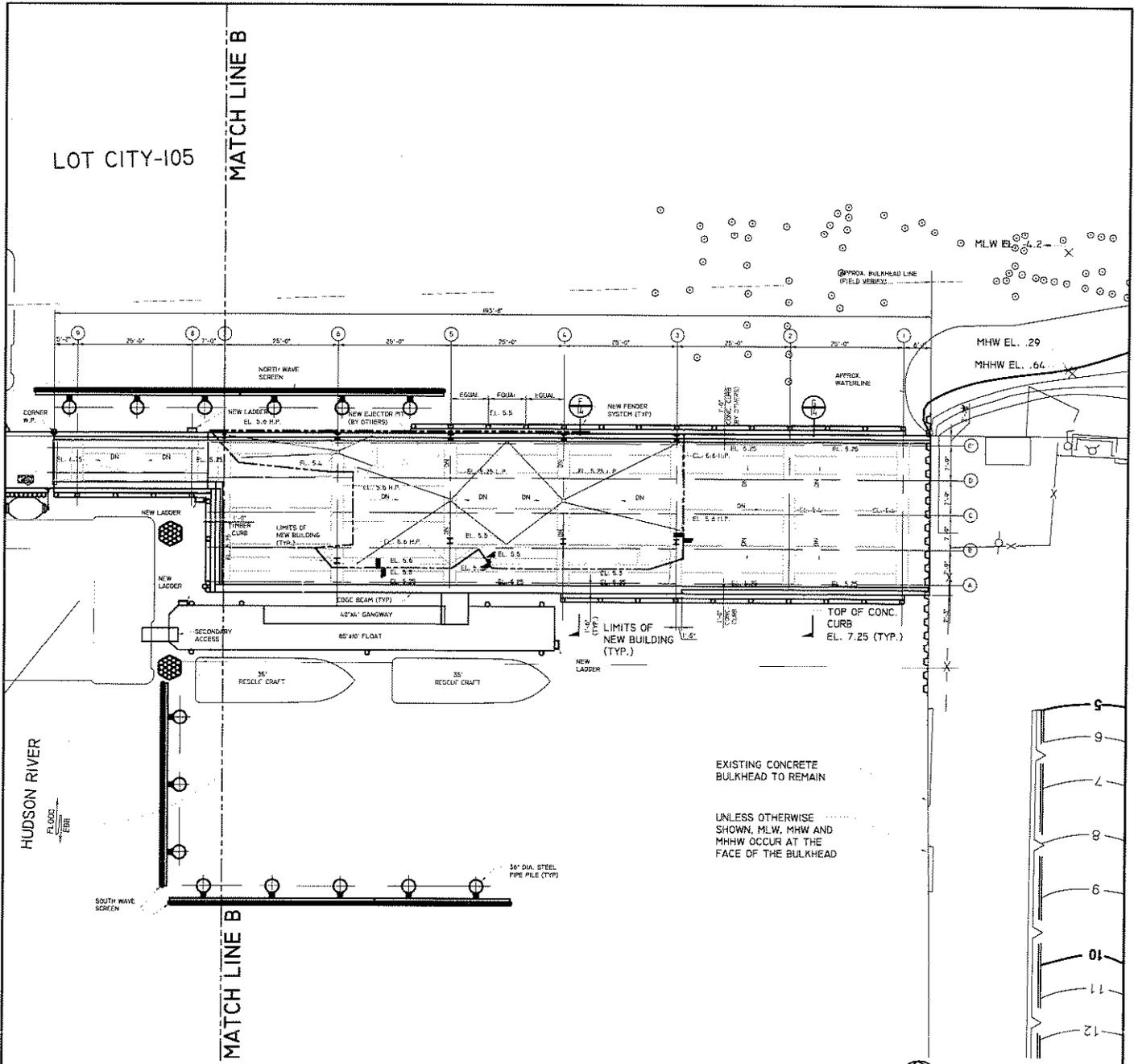
COMPOSITE PLAN 1
1/32" = 1'-0"

TITLE PIER 53 COMPOSITE PLAN I		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 32' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	
* NOTE 2 - ALL ELEVATIONS CORRESPOND TO MANHATTAN BORO DATUM EXCEPT SOUNDINGS, WHICH RELATE TO ACOE MLW DATUM; SEE DWG.		DATE: 6 - 9 - 08	REV: 1
		SHEET NO. 9	OF 21

NAN-2008-00497-EHA

LOT CITY-105

MATCH LINE B



DECKING PLAN 2

1/32" = 1'-0"

TITLE
PIER 53 DECKING PLAN 2

PROPOSED
PIER 53 / MARINE COMPANY I

GRAPHIC SCALE (S)
1" = 32'
0 32' 64'
D.A.T.U.M.:
MANHATTAN BORO

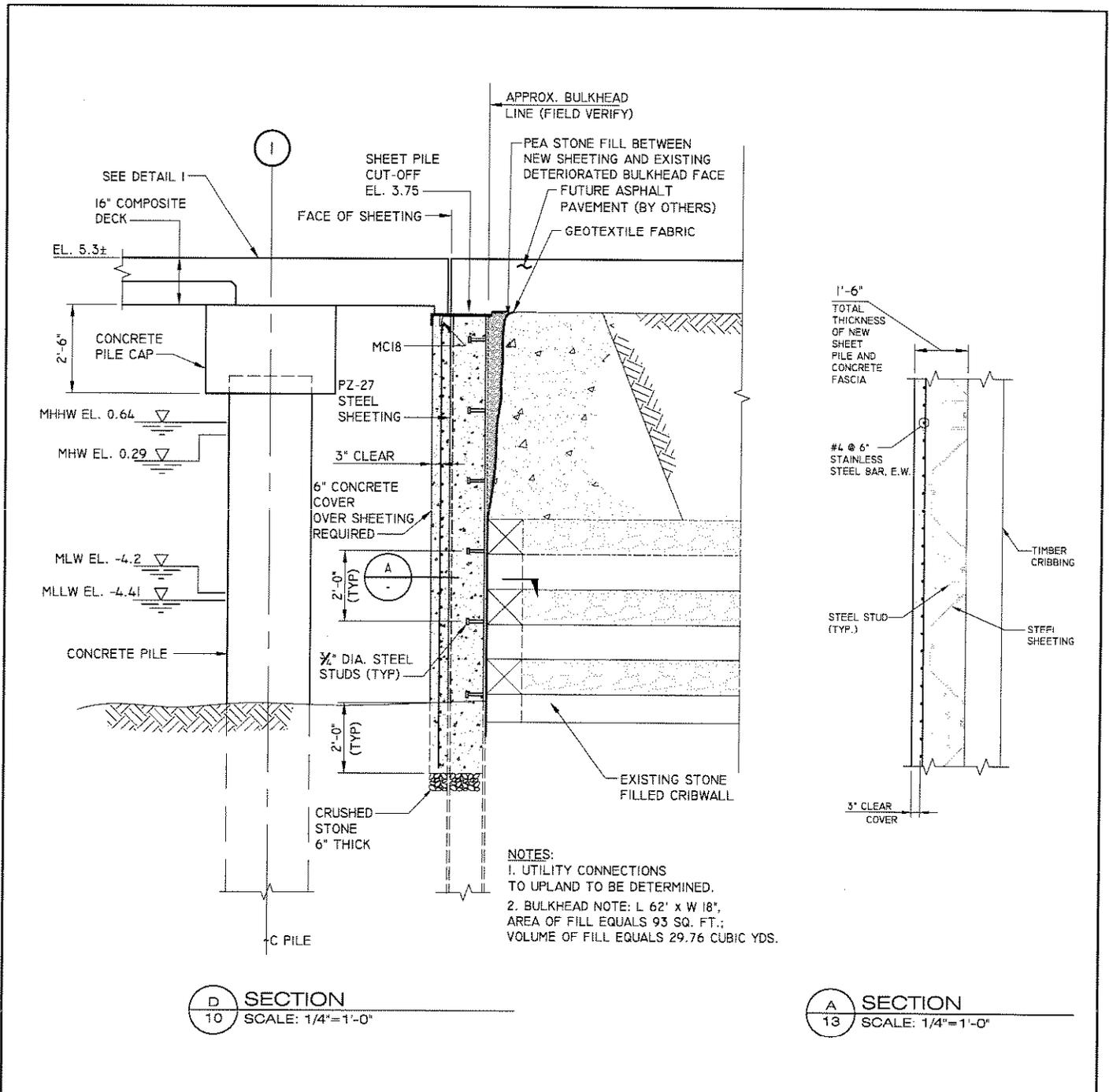
IN: HUDSON RIVER PARK SEGMENT 5
AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA
COUNTY: NEW YORK
STATE: NEW YORK
APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY

* NOTE 1 - DETAIL TAGS LABELED SUCH THAT 'XX' REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.

MUESER RUTLEDGE CONSULTING ENGINEERS
MARINE ENGINEERING
CR STUDIO ARCHITECTS
ARCHITECTURE

DATE: 6 - 9 - 08	REV: 1
SHEET NO. 12 OF 21	

NAN-2008-00497-EHA



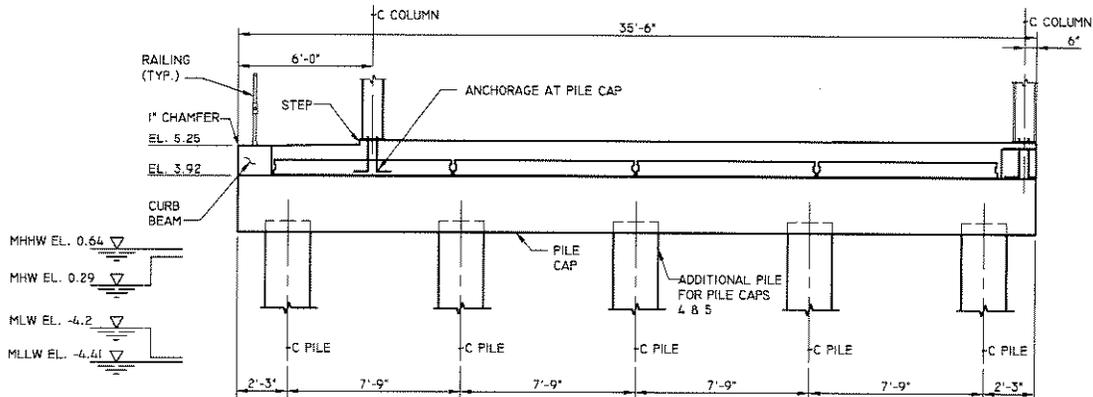
NOTES:
 1. UTILITY CONNECTIONS TO UPLAND TO BE DETERMINED.
 2. BULKHEAD NOTE: L 62' x W 18', AREA OF FILL EQUALS 93 SQ. FT.; VOLUME OF FILL EQUALS 29.76 CUBIC YDS.

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

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

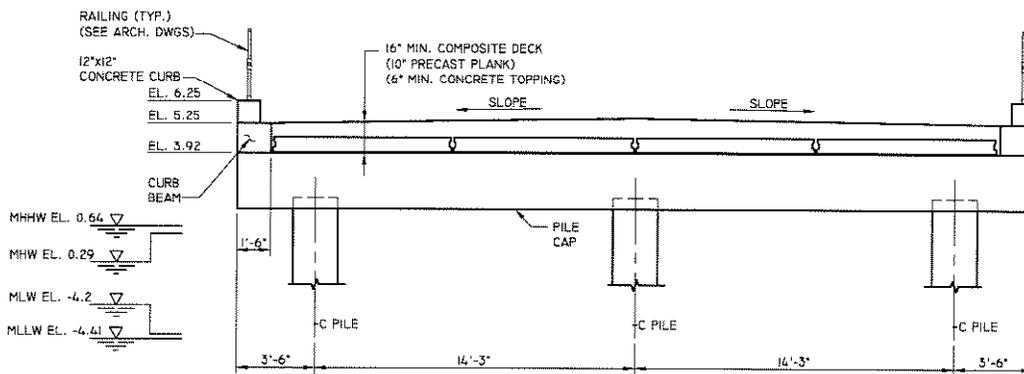
TITLE PIER 53 BULKHEAD SECTION		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 4' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT 'XX' REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	
* NOTE 2 - FOR LENGTH OF BULKHEAD, SEE SHEET 10.		DATE: 6 - 9 - 08	REV: 1
		SHEET NO. 13	OF 21

NAN-2008-00497-EHA



PILE CAPS 3, 6 AND 7

F SECTION
12 SCALE: 1/8"=1'-0"

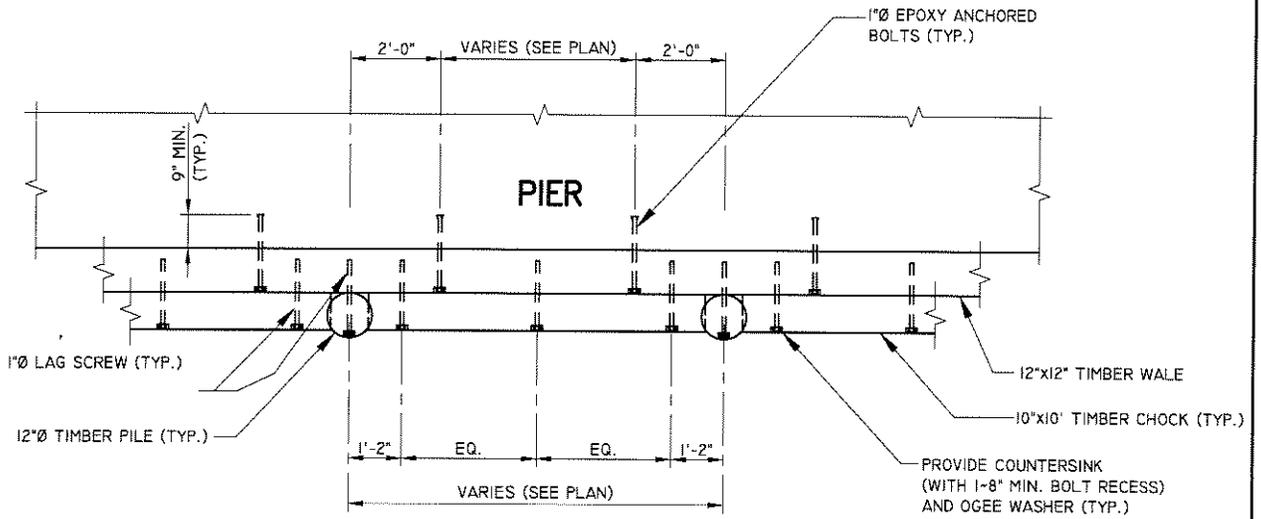


PILE CAPS 1 AND 2

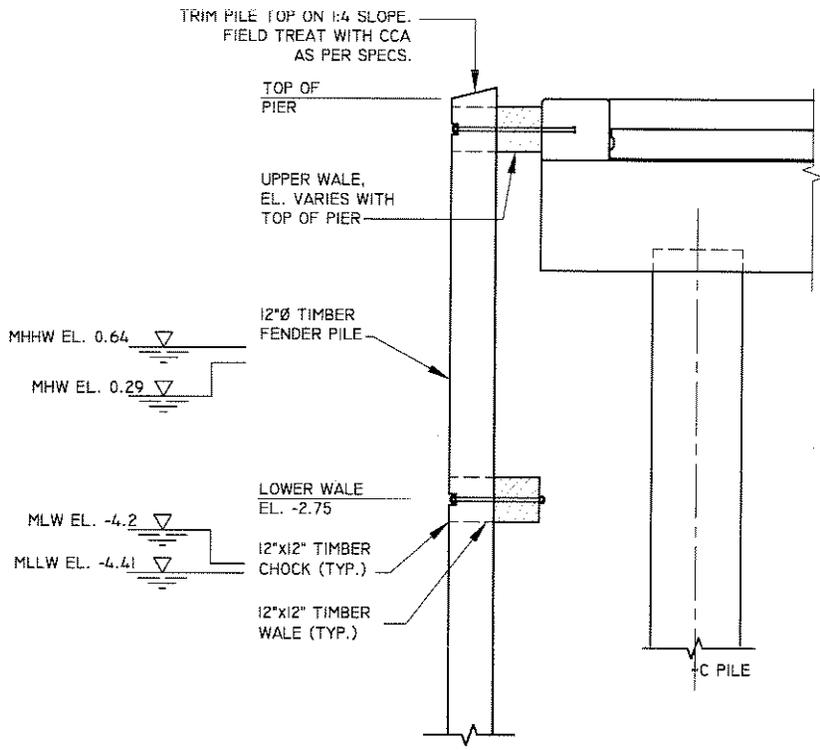
G SECTION
12 SCALE: 1/8"=1'-0"

TITLE PIER 53 SECTIONS I		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 8'	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT 'XX' REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 REV: 1 SHEET NO. 14 OF 21

NAN-2008-00497-EHA



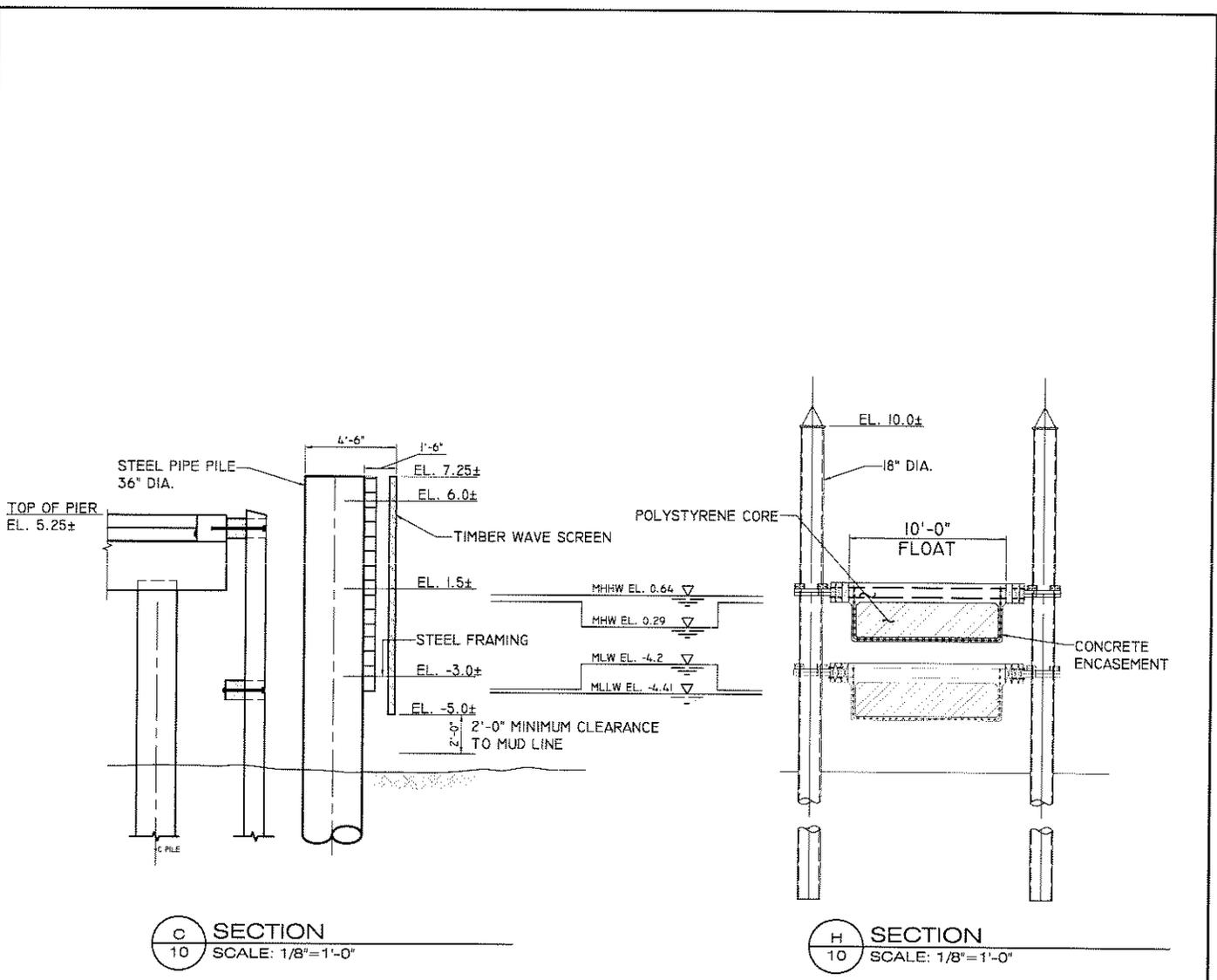
TYPICAL PLAN - UPPER WALE
 (LOWER WALE SIMILAR - SEE TYPICAL ELEVATION)
 SCALE: 1/4" = 1'-0"



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

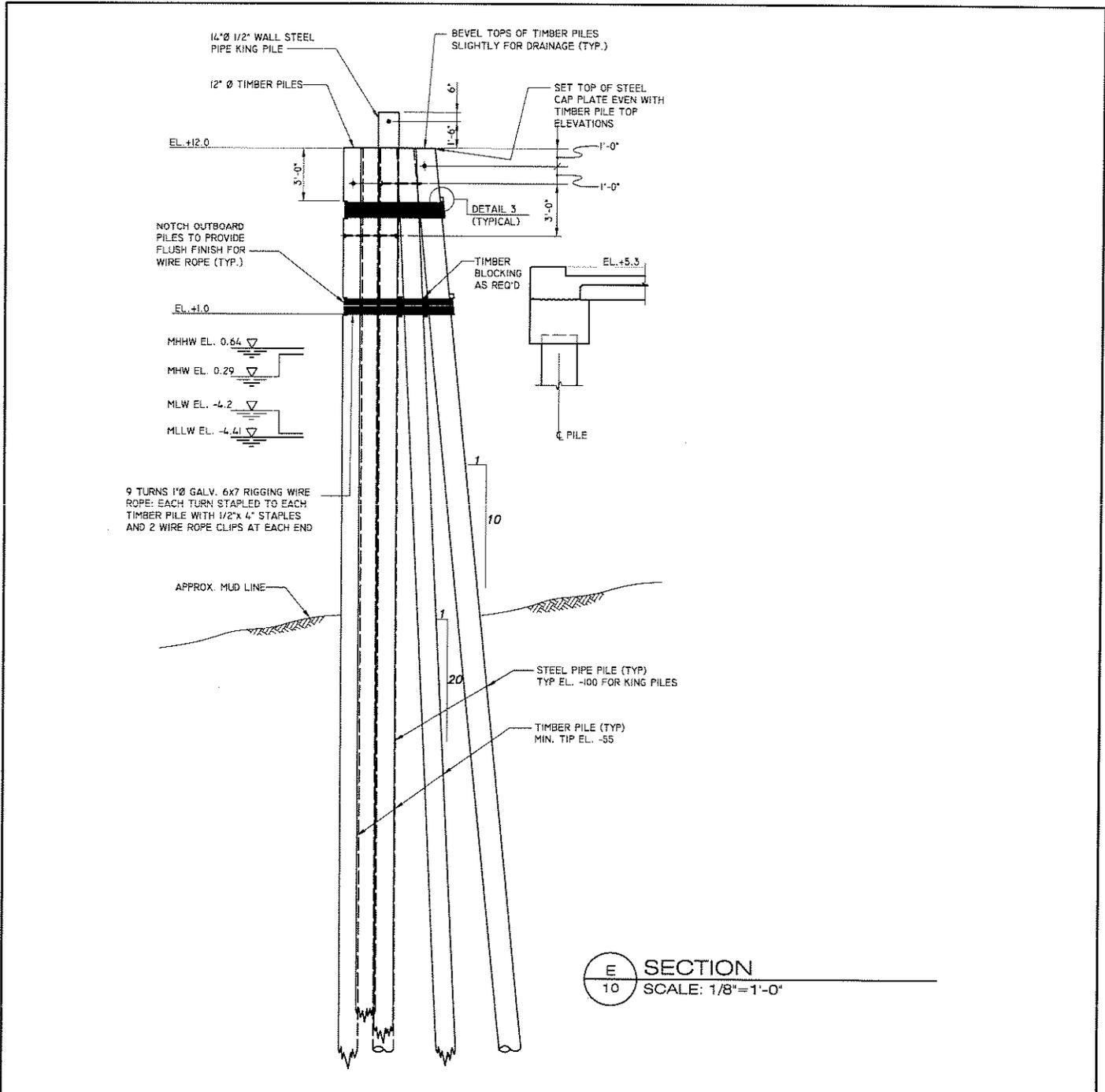
TITLE PIER 53 DETAILS I		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 4' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6-9-08 REV: 1 SHEET NO. 15 OF 21

NAN-2008-00497-EHA



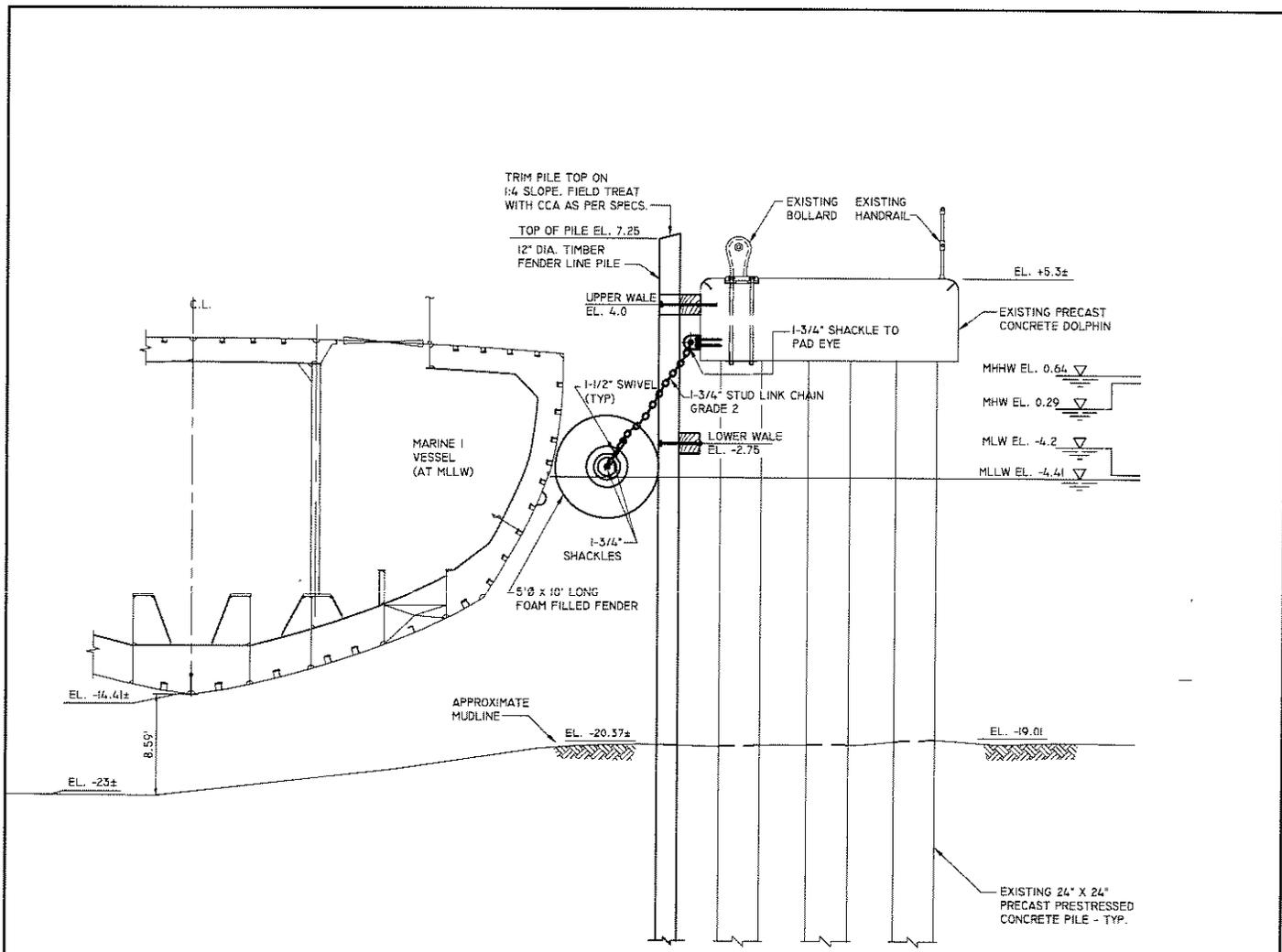
TITLE PIER 53 DETAILS 2		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 8' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT 'XX' REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08
* NOTE 2 - FOR LENGTH OF WAVE SCREEN, SEE SHEET 10.			REV: 1 SHEET NO. 16 OF 21

JAN-2008-00497-EHA



TITLE PIER 53 SECTIONS I		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 8' 0 8' 16'	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 REV: 1 SHEET NO. 17 OF 21

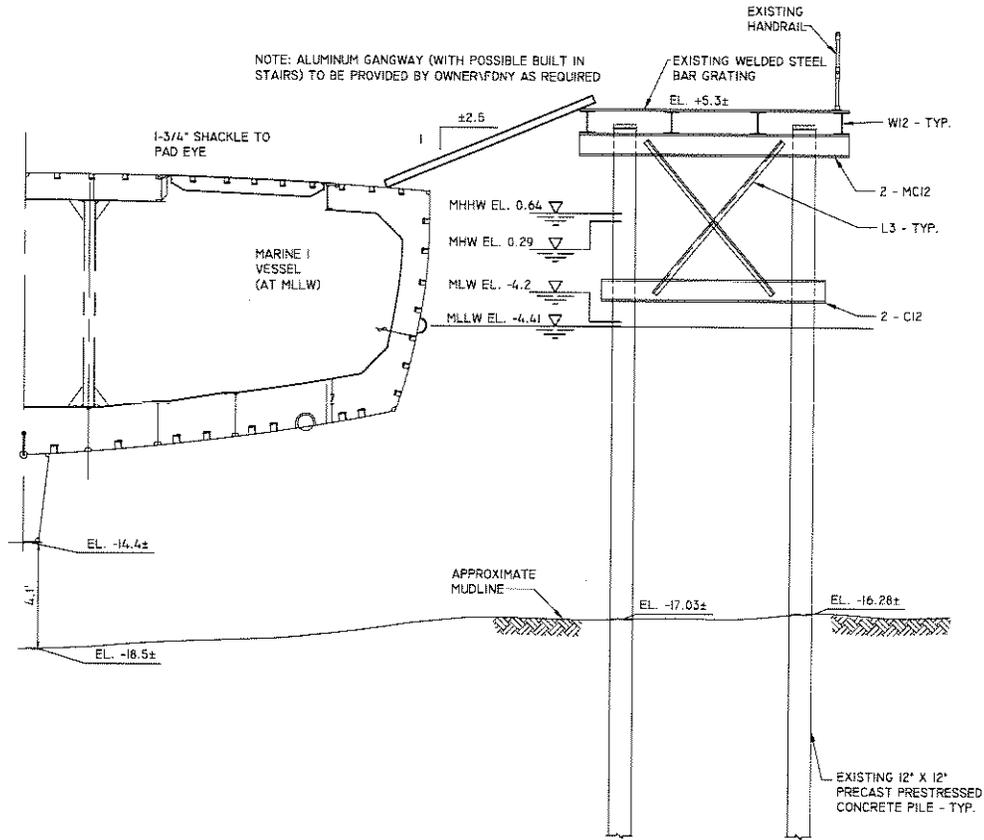
NAN-2008-00497-EHA



A-1 SECTION
 9 1/8" = 1'-0"

TITLE PIER 53 FINGER PIER SECTIONS I		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 8' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 REV: 1 SHEET NO. 18 OF 21

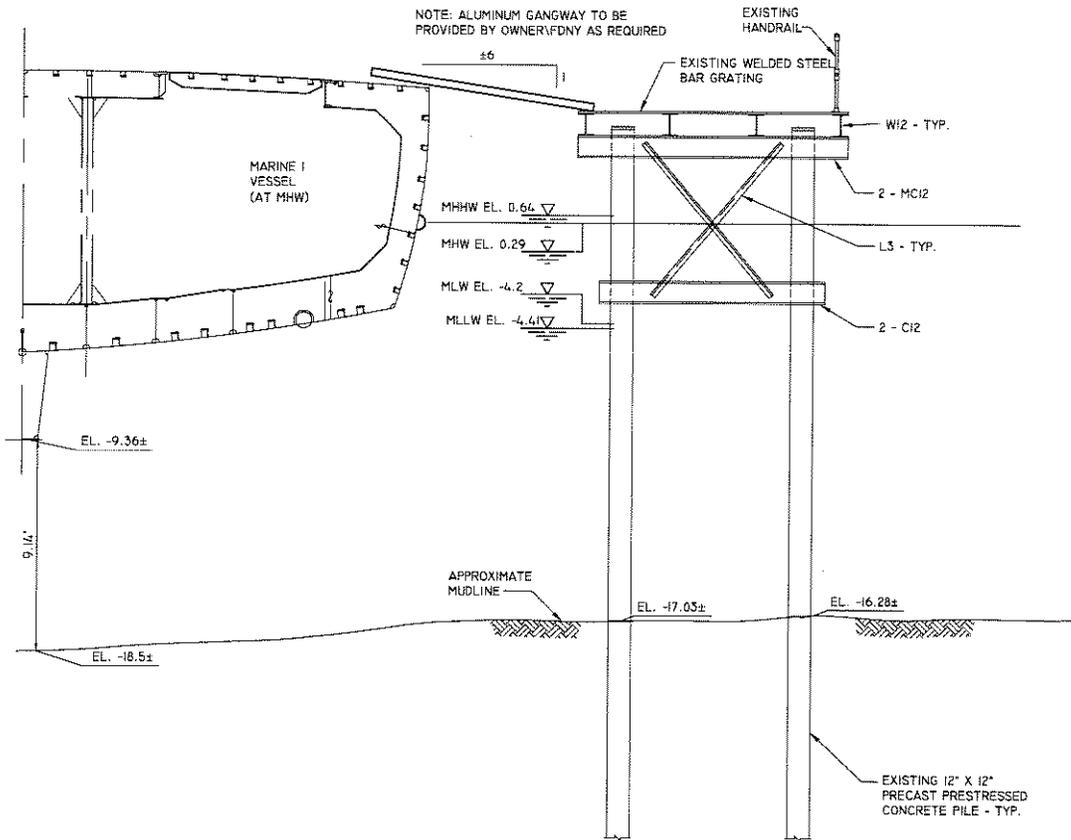
NAN-2008-00497-EAA



B-1 SECTION @ MLLW
 9 1/8" = 1'-0"

TITLE PIER 53 FINGER PIER SECTIONS 2		PROPOSED PIER 53 / MARINE COMPANY 1	
GRAPHIC SCALE (S) 1" = 8' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 SHEET NO. 19 OF 21 REV: 1

NAN-2008-00497-EAA



B-2 SECTION @ MHW
 1/8" = 1'-0"

TITLE PIER 53 FINGER PIER SECTIONS 3		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 8' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
* NOTE 1 - DETAIL TAGS LABELED SUCH THAT "XX" REFERS TO SHEET NUMBER OF DETAIL OR, ON DETAIL SHEETS, REFERS BACK TO SPECIFIC PLAN VIEW SHEET.		APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 SHEET NO. 20 OF 21 REV: 1

MAN-2008-00497-EHA

12'W x 12'H SECTIONAL OVERHEAD
GARAGE DOOR PER FDNY STANDARD
EXTENT OF SECOND LEVEL -
DECK ABOVE

15'H ALUMINUM FLAGPOLE
(ENAMEL FINISH) W/ (2) HALYARDS
AND (2) CLEATS FOR 3'x5' FLAG;
FLAG PROVIDED BY FDNY; EXACT
LOCATION TBD

PEDESTRIAN/ TRAFFIC/ MAIN DOOR
x 12' HIGH

12' WIDE SECTIONAL OVERHEAD GARAGE
DOOR; AS PER FDNY STANDARD

MLW EL. -4.2

193'-8" EXTENT OF NEW MAIN PIER STRUCTURE

35'-9" (PIER)

MHW EL. .29
MHHW EL. .64

30'-0"
35'-6"

5'-6"

GANSEVOORT
PENINSULA

HUDSON RIVER

FLOOD
ELEV.

12'W x 24'H CONCRETE CURB (T.O. CURB EL.
7.25', TYP.); B.O., FOR INFO SEE DECK
PLAN BY MARINE ENGINEER;
W/ SIDE MTD. 42" HIGH (AFF. PIER)
MTL. RAILING SYSTEM

NEW OPERABLE SECURITY GATE;
OPEN GRILLE METAL; HT. TBD

EXIST'G BULKHEAD W/ NEW SHEET
PILE BULKHEAD + CAP, EXTENT
OF B.H. TO SOUTH, TBD; B.O.

EXISTING CONCRETE BULKHEAD TO REMAIN

FUTURE SHEET PILING, TBD; B.O.

EXTENT OF BUILDING PERIMETER ABOVE

NEW 10'x85' FLOAT DOCK W/ 4'W x 40'L
GANGWAY FROM CANTILEVERED
PLATFORM AT MAIN PIER LEVEL

(2) RESCUE CRAFTS, 35' LONG

SOUTH WAVE SCREENS W/ 36" DIA. STEEL PIPE PILES, TYP.; B.O.

UNLESS OTHERWISE SHOWN, MLW, MHW AND MHHW
OCCUR AT THE FACE OF THE BULKHEAD

PIER LEVEL PLAN

1/32" = 1'-0"

APPARATUS FLOOR/ GFA: 2300 SF



TITLE MAIN PIER LEVEL PLAN		PROPOSED PIER 53 / MARINE COMPANY I	
GRAPHIC SCALE (S) 1" = 32' 	DATUM: MANHATTAN BORO	IN: HUDSON RIVER PARK SEGMENT 5 COUNTY: NEW YORK APPLICATION BY: FIRE DEPARTMENT OF NEW YORK CITY	AT: AT FOOT OF BLOOMFIELD ST. ON GANSEVOORT PENINSULA STATE: NEW YORK
		MUESER RUTLEDGE CONSULTING ENGINEERS MARINE ENGINEERING CR STUDIO ARCHITECTS ARCHITECTURE	DATE: 6 - 9 - 08 REV: 1 SHEET NO. 21 OF 21

NAN-2008-00497-EHA