

**U.S. Army Corps  
Of Engineers  
Baltimore District**

# Public Notice

**In Reply to Application Number  
CENAB-OP-RMN (MPA Harborwide Maintenance  
Dredging) 2014-60674-M02**

**PN 14-37**

**Comment Period: June 24, 2014 – July 24, 2014**

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THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC ABOUT THE WORK DESCRIBED BELOW. AT THIS TIME, NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED.

The Baltimore District has received an application for a Department of the Army Permit pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act (33 U.S.C. 1344), as described below.

**APPLICANT:** Maryland Port Administration  
c/o Mr. Michael W. Bozman, P.E.  
401 East Pratt Street, Suite 1653  
Baltimore, Maryland 21202

**LOCATION AND WATERWAY:** multiple Maryland Port Administration facility locations in the Patapsco River (Baltimore Harbor), Baltimore City, Baltimore County, and Anne Arundel County, Maryland.

**WORK:** To hydraulically or mechanically maintenance dredge as follows: (1) approximately 25.7 acres to 36 and 42 feet below mean low water at four ship berths, and to take 25 subsurface borings at the North Locust Point Marine Terminal, 2300 East Fort Avenue; (2) approximately 106.9 acres to 38 feet below mean low water at four ship berths, and to take 25 subsurface borings at the South Locust Point Marine Terminal, 1101 and 2025 McComas Street; (3) approximately 41.9 acres to 30 and 44 feet below mean low water at two ship berths, and to take 25 subsurface borings at the Fairfield/Masonville Marine Terminal, 2900 Childs Street; (4) approximately 438.1 acres to 34, 44, 47, and 52 feet below mean low water at seventeen ship berths, and to take 50 subsurface borings at the Seagirt Marine Terminal, 2520 Broening Highway and Dundalk Marine Terminal, 2700 Broening Highway; (5) approximately 24.3 acres to 36 and 40 feet below mean low water at two ship berths and to take 15 subsurface borings at the Hawkins Point Marine Terminal, 4000 Fort Armistead Road; (6) approximately 35.3 acres to 18 feet below mean low water, and 25 subsurface borings at an access channel and turning basin, Cox Creek Dredged Material Containment Facility (DMCF), 1000 Kembo Road; and (7) approximately 17 acres to 12, 34, and 40 feet below mean low water at two ship berths, and to take 15 subsurface borings at the Clinton Street Marine Terminal, 1900 South Clinton Street. The approximately 3,420,000 cubic yards of material dredged from these seven sites is to be deposited at the Masonville DMCF, Baltimore City, Maryland or the Cox Creek DMCF, Anne Arundel County, Maryland.

The purpose of the project is to maintain navigable access at the MPA's facilities, and to obtain sediment samples. A permit for this project would authorize periodic maintenance dredging for ten years, subject to the prior approval of the District Engineer. All work is to be completed in accordance with the enclosed plans. If you have any questions concerning this matter, please contact Mr. Jon Romeo at (410) 962-6079 or at [jon.romeo@usace.army.mil](mailto:jon.romeo@usace.army.mil).

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, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, and, in general, the needs and welfare of the people.

An evaluation of the work described above on the public interest will include application of the Clean Water Act Section 404 (b)(1) Guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act.

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 the 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.

Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, [ATTN: Mr. Jon Romeo, CENAB-OP-RMN] P.O. Box 1715, Baltimore, Maryland 21203-1715, within the comment period specified above.

**ESSENTIAL FISH HABITAT (EFH) ASSESSMENT:** The Magnuson-Steven Fishery Conservation Act (MSFCA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all Federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely affect EFH. The EFH designations within the Northeast Region (Maine to Virginia), dated March 1, 1999 include EFH for a number of species in various life stages. This waterway has EFH listed for juvenile and adult windowpane flounder (*Scopthalmus aquosus*), summer flounder (*Paralichthys dentatus*), and bluefish (*Pomatomus saltatrix*); egg, larva, juvenile and adult life stages of king mackerel (*Scomberomorus cavalla*), Spanish mackerel (*Scomberomorus maculatus*), cobia (*Rachycentron canadum*), and red drum (*Sciaenops ocellatus*). These are managed species under the MSFCA. A preliminary assessment indicates that the proposed work would not have a substantial adverse effect on either managed species or prey species. Therefore, no EFH conservation measures have been developed. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

**SECTION 401 WATER QUALITY CERTIFICATION:** The applicant is required to obtain a water quality certification from the Maryland Department of the Environment in accordance with Section 401 of the Clean Water Act. Any written comments concerning the work described

above which relate to water quality certification must be received by the Wetlands and Waterways Program, Maryland Department of the Environment, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230-1708 within the comment period as specified above to receive consideration. The Section 401 certifying agency has a statutory limit of one year from the date of this public notice to make its decision.

**COASTAL ZONE MANAGEMENT PROGRAMS:** The applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the Maryland Coastal Zone Management (CZM) Program. By this public notice, we are requesting the State concurrence or objection to the applicant's consistency statement. Public comments relating to consistency must be received by the Wetlands and Waterways Program, Maryland Department of the Environment, Montgomery Park Business Center, 1800 Washington Boulevard, Suite 430, Baltimore, Maryland 21230-1708 within the comment period specified above to receive consideration. MDE has a statutory limit of 6 months to concur or object to the applicant's consistency determination.

The applicant must obtain any State or local government permits which may be required.

A preliminary review of this application indicates that the proposed work will not affect listed species or their critical habitat pursuant to Section 7 of the Endangered Species Act as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

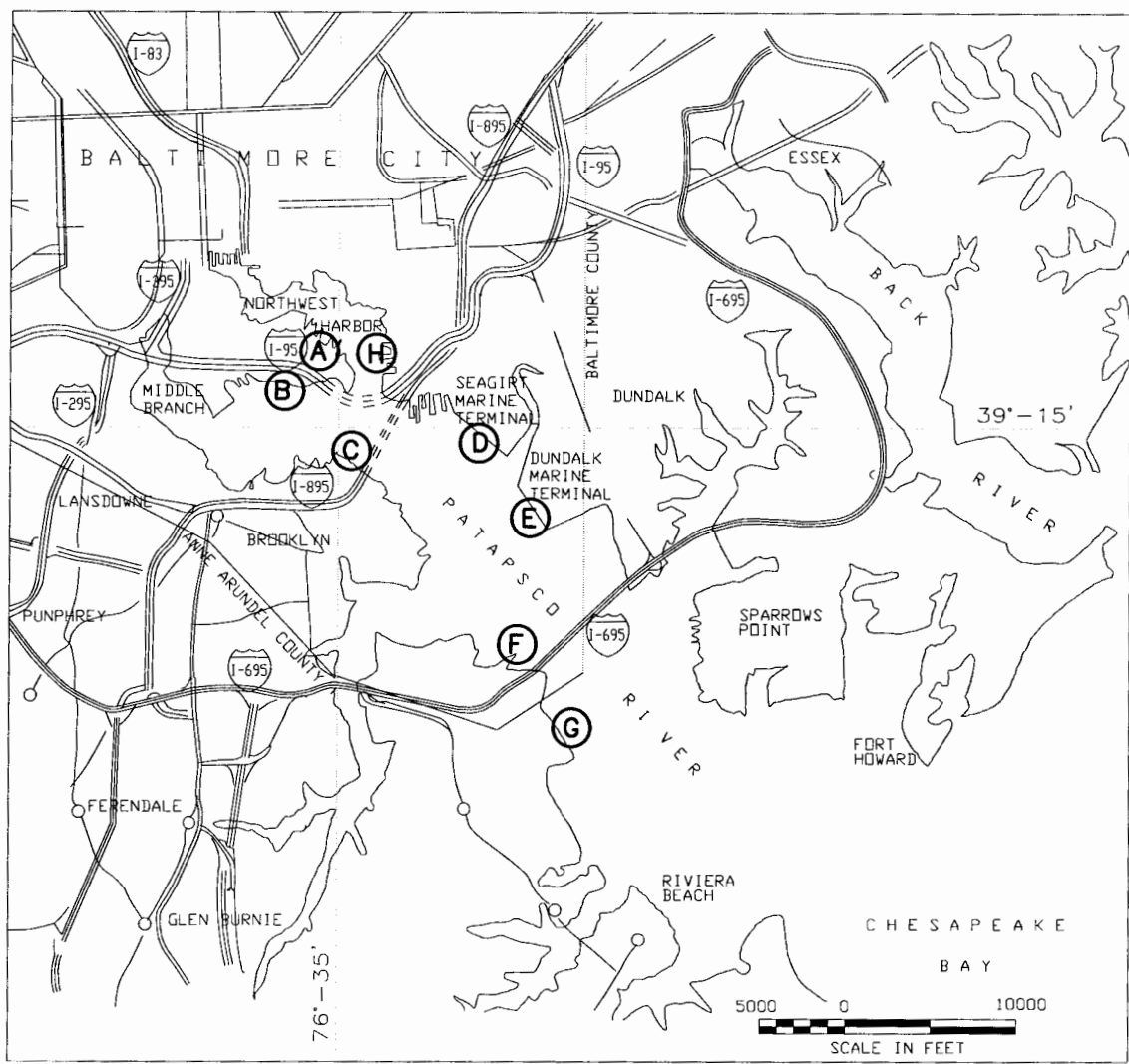
Review of the latest published version of the National Register of Historic Places indicates that no registered properties listed as eligible for inclusion therein are located at the site of the proposed work. Currently unknown archeological, scientific, prehistoric, or historical data may be lost or destroyed by the work to be accomplished under the requested permit.

Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received by the District Engineer, US Army Corps of Engineers, Baltimore District, [ATTN : Mr. Jon Romeo CENAB-OP-RMN], P.O. Box 1715, Baltimore, Maryland 21203-1715, within the comment period specified above to receive consideration. Also, the request must clearly state forth the interest which may be adversely affected by this activity and the manner in which the interest may be adversely affected.

It is requested that you communicate the foregoing information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.

FOR THE DISTRICT ENGINEER:


Joseph P. DaVia  
Chief, Maryland Section Northern



### SITE LOCATIONS

- SITE LOCATIONS**
- A. NORTH LOCUST POINT MARINE TERMINAL
  - B. SOUTH LOCUST POINT MARINE TERMINAL
  - C. FAIRFIELD/MASONVILLE MARINE TERMINAL
  - D. SEAGIRT MARINE TERMINAL
  - E. DUNDALK MARINE TERMINAL
  - F. HAWKINS POINT MARINE TERMINAL
  - G. COX CREEK DMCF
  - H. CLINTON STREET MARINE TERMINAL

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

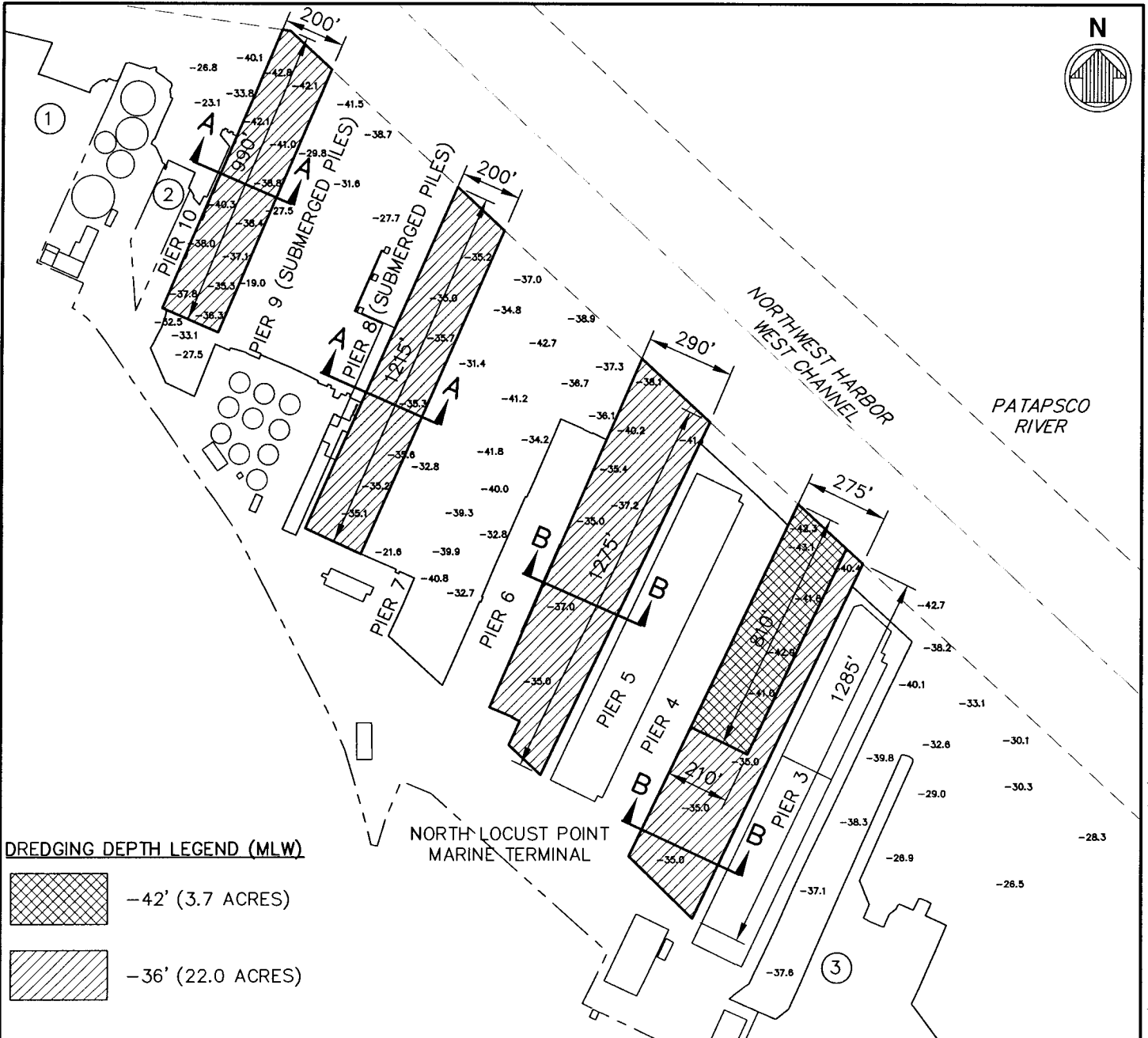
AGENT/ENGINEER:  
 **moffatt & nichol**

MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING

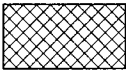
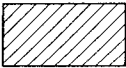
PROJECT LOCATION:  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND

DATE: APRIL 21, 2014

SHEET 1 OF 15



**DREDGING DEPTH LEGEND (MLW)**

-  -42' (3.7 ACRES)
-  -36' (22.0 ACRES)

**NOTES**

1. MECHANICALLY OR HYDRAULICALLY MAINTENANCE DREDGE APPROXIMATELY 20,000 CY IN AREAS SHOWN (25.7 TOTAL ACRES) TO DEPTHS VARYING FROM -36 TO -42 FEET AT MEAN LOW WATER AND DISPOSE OF AT THE MASONVILLE OR COX CREEK DMCF.
2. PERFORM UP TO 25 OFFSHORE SUBSURFACE SOIL BORINGS FOR ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATIONS WITHIN THE DREDGING AREAS SHOWN AND WITHIN 100 FEET OF THE EXISTING PIERS.


**ADJACENT PROPERTIES**

1. UA LOCUST POINT HOLDINGS
2. CSX TRANSPORTATION
3. ERASMUS PIER PROPERTIES BUSINESS TRUST

**DATUM**

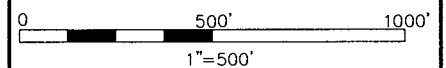
MEAN LOW WATER (MLW) = 0.0 SOUNDINGS IN FEET

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:  
 **moffatt & nichol**

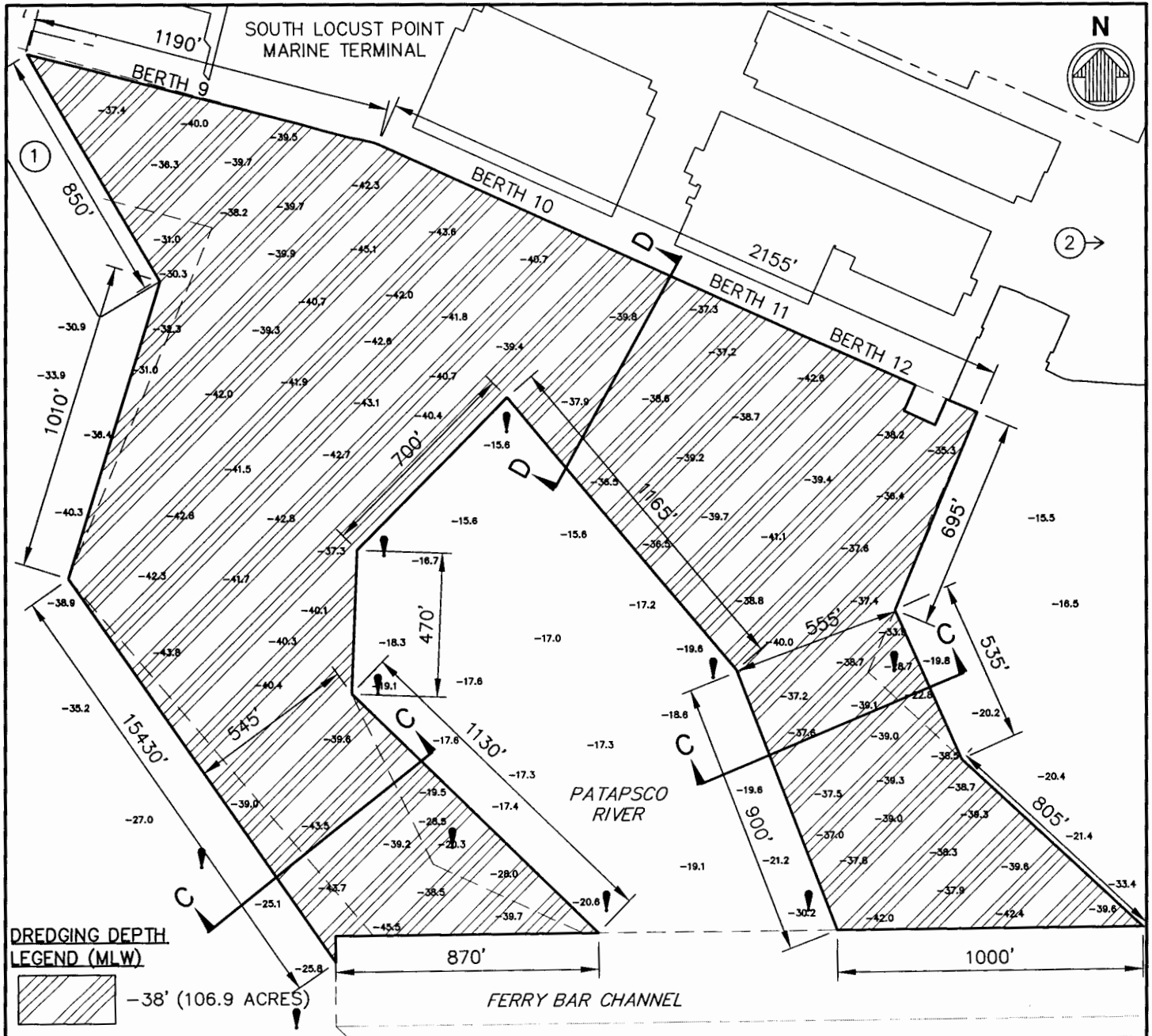
**MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING**

PROJECT LOCATION:  
NORTH LOCUST POINT MARINE TERMINAL  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND

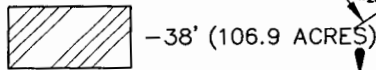


DATE: APRIL 21, 2014

SHEET 2 OF 15



**DREDGING DEPTH LEGEND (MLW)**



**NOTES**

1. MECHANICALLY OR HYDRAULICALLY MAINTENANCE DREDGE APPROXIMATELY 110,000 CY IN AREAS SHOWN (106.9 TOTAL ACRES) TO DEPTH OF -38 FEET AT MEAN LOW WATER AND DISPOSE OF AT THE MASONVILLE OR COX CREEK DMCF.
2. PERFORM UP TO 25 OFFSHORE SUBSURFACE SOIL BORINGS FOR ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATIONS WITHIN THE DREDGING AREA SHOWN AND WITHIN THE INTERIOR AREA OF THE EXISTING ACCESS CHANNEL LOOP.

**ADJACENT PROPERTIES**

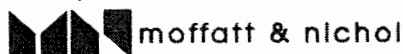
1. TRANSOCEANIC CABLE SHIP CO.
2. UNITED STATES OF AMERICA (FORT MCHENRY)

**DATUM**

MEAN LOW WATER (MLW) = 0.0  
SOUNDINGS IN FEET

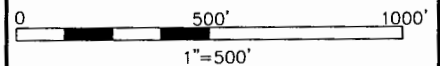
APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:



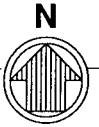
**MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING**

PROJECT LOCATION:  
SOUTH LOCUST POINT MARINE TERMINAL  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND



DATE: APRIL 21, 2014

SHEET 3 OF 15



FERRY BAR CHANNEL

1235'

610'

-18.0

-3.5

-21.7

-31.9

-41.5

-42.8

-47.1

-45.5

-47.8

-48.3

-48.7

-38.7

-39.9

-38.8

-33.8

-32.7

-30.2

-33.7

-37.0

-36.7

-28.2

-43.4

-46.5

-47.7

-47.2

-38.6

-32.6

-32.7

-27.1

-21.2

-27.9

-44.8

-42.3

-37.0

-30.7

-29.7

-27.7

-30.7

-24.6

-24.6

-28.0

-28.0

-30.3

-30.0

-34.4

-34.0

MASONVILLE DREDGED MATERIAL CONTAINMENT FACILITY

1635'

VESSEL BERTH

PATAPSCO RIVER

1370'

520'

225'

105'

665'

780'

PIER 4

PIER 5

PIER 6

PIER 7

PIER 8

PIER 9

PIER 10

PIER 11

PIER 12

PIER 13

PIER 14

PIER 15

PIER 16

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PIER 21

PIER 22

PIER 23

PIER 24

PIER 25

PIER 26

PIER 27

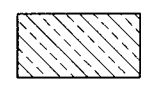
FAIRFIELD/MASONVILLE MARINE TERMINAL

85'

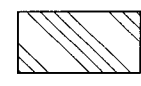
275'

1

DREDGING DEPTH LEGEND (MLW)



-30' (5.2 ACRES)



-44' (36.7 ACRES)

NOTES

1. MECHANICALLY OR HYDRAULICALLY MAINTENANCE DREDGE APPROXIMATELY 100,000 CY IN AREAS SHOWN (41.9 TOTAL ACRES) TO DEPTH OF -44 FEET AT MEAN LOW WATER AND DISPOSE OF AT THE MASONVILLE OR COX CREEK DMCF.
2. PERFORM UP TO 25 OFFSHORE SUBSURFACE SOIL BORINGS FOR ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATIONS WITHIN THE DREDGING AREAS SHOWN AND WITHIN 100 FEET OF THE EXISTING PIERS.


ADJACENT PROPERTIES

1. HOBELMANN PORT SERVICES INC.

DATUM

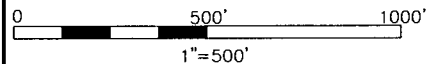
MEAN LOW WATER (MLW) = 0.0  
SOUNDINGS IN FEET

APPLICATION BY:  
 MARYLAND PORT ADMINISTRATION  
 WORLD TRADE CENTER  
 401 EAST PRATT STREET  
 BALTIMORE, MD 21222

AGENT/ENGINEER:  
 **moffatt & nichol**

MARYLAND PORT ADMINISTRATION  
 HARBOR-WIDE  
 MAINTENANCE DREDGING

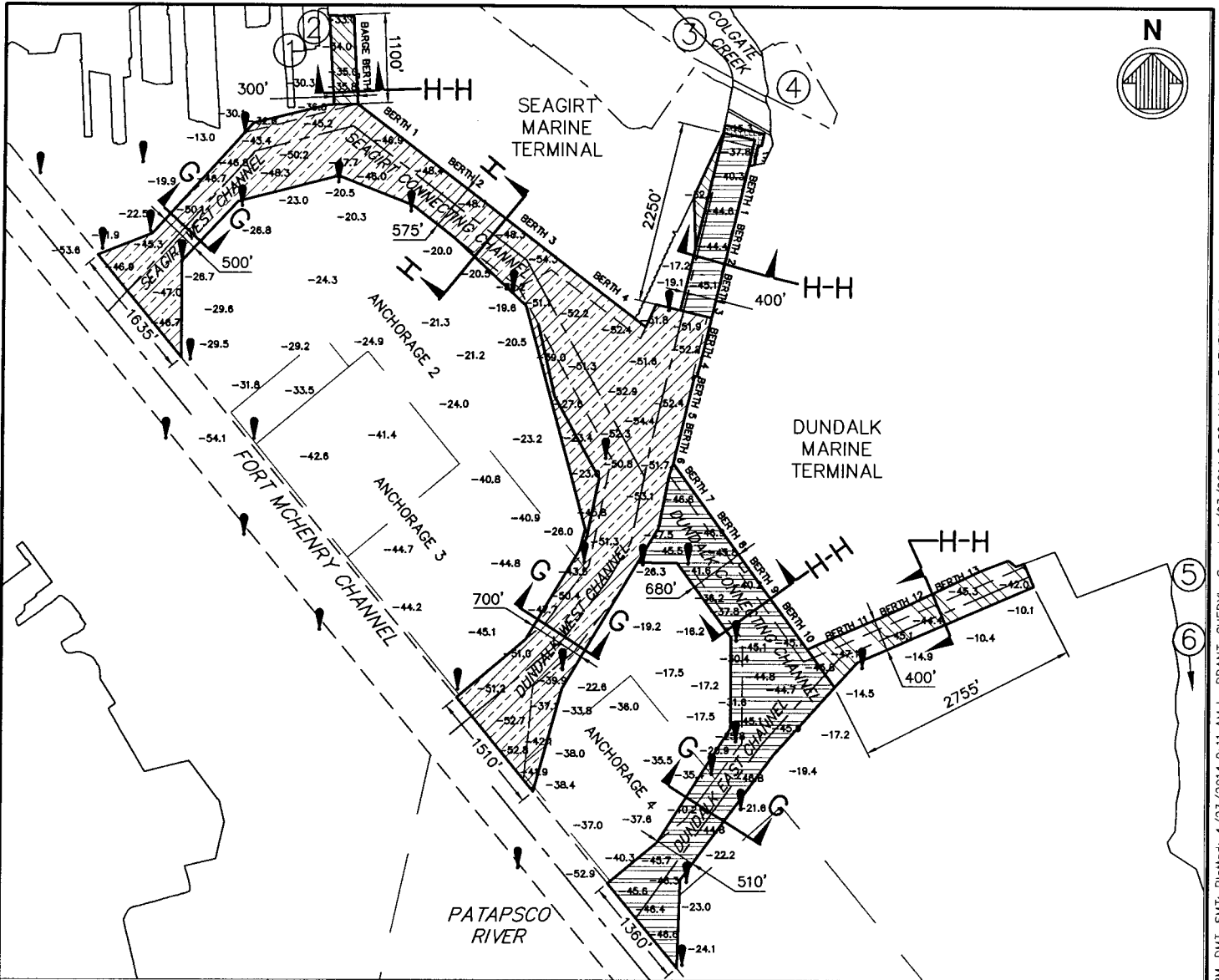
PROJECT LOCATION:  
 FAIRFIELD/MASONVILLE MARINE TERMINALS  
 PATAPSCO RIVER  
 BALTIMORE HARBOR, MARYLAND



DATE: APRIL 21, 2014

SHEET 4 OF 15

File: P:\7905 MPA\7905-10 Env Prog\607 HW Dredge\500 CADD\ACTIVE\790510C-PERM-FAIR-MASN-Plotted: 4/23/2014 9:10 AM by BRANT, CHERYL; Saved: 4/23/2014 9:09 AM by PNEVENGLOSKY



**DREDGING DEPTH LEGEND (MLW)**

	-34' (10.5 ACRES)		-47' (125.6 ACRES)		SIDE SLOPE (1.6 ACRES)
	-44' (27.1 ACRES)		-52' (273.3 ACRES)		

**NOTES**

- MECHANICALLY OR HYDRAULICALLY MAINTENANCE DREDGE APPROXIMATELY 3,000,000 CY IN AREAS SHOWN (438.1 TOTAL ACRES) TO DEPTHS VARYING FROM -34 TO -52 FEET AT MEAN LOW WATER AND DISPOSE OF AT THE MASONVILLE OR COX CREEK DMCF.
- PERFORM UP TO 50 OFFSHORE SUBSURFACE SOIL BORINGS FOR ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATIONS WITHIN THE DREDGING AREAS SHOWN AND WITHIN THE INTERIOR AREA OF THE EXISTING ACCESS CHANNEL LOOPS.

**ADJACENT PROPERTIES**

- CANTON MARINE TERMINAL INC
- NEW NGC INC
- POINTE BREEZE LLC
- LE PETOMANE XXIII INC
- ROSS E EICHBERG
- BALTIMORE GAS & ELECTRIC CO

**DATUM**

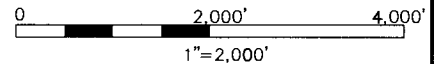
MEAN LOW WATER (MLW) = 0.0  
SOUNDINGS IN FEET

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:  
 **moffatt & nichol**

**MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING**

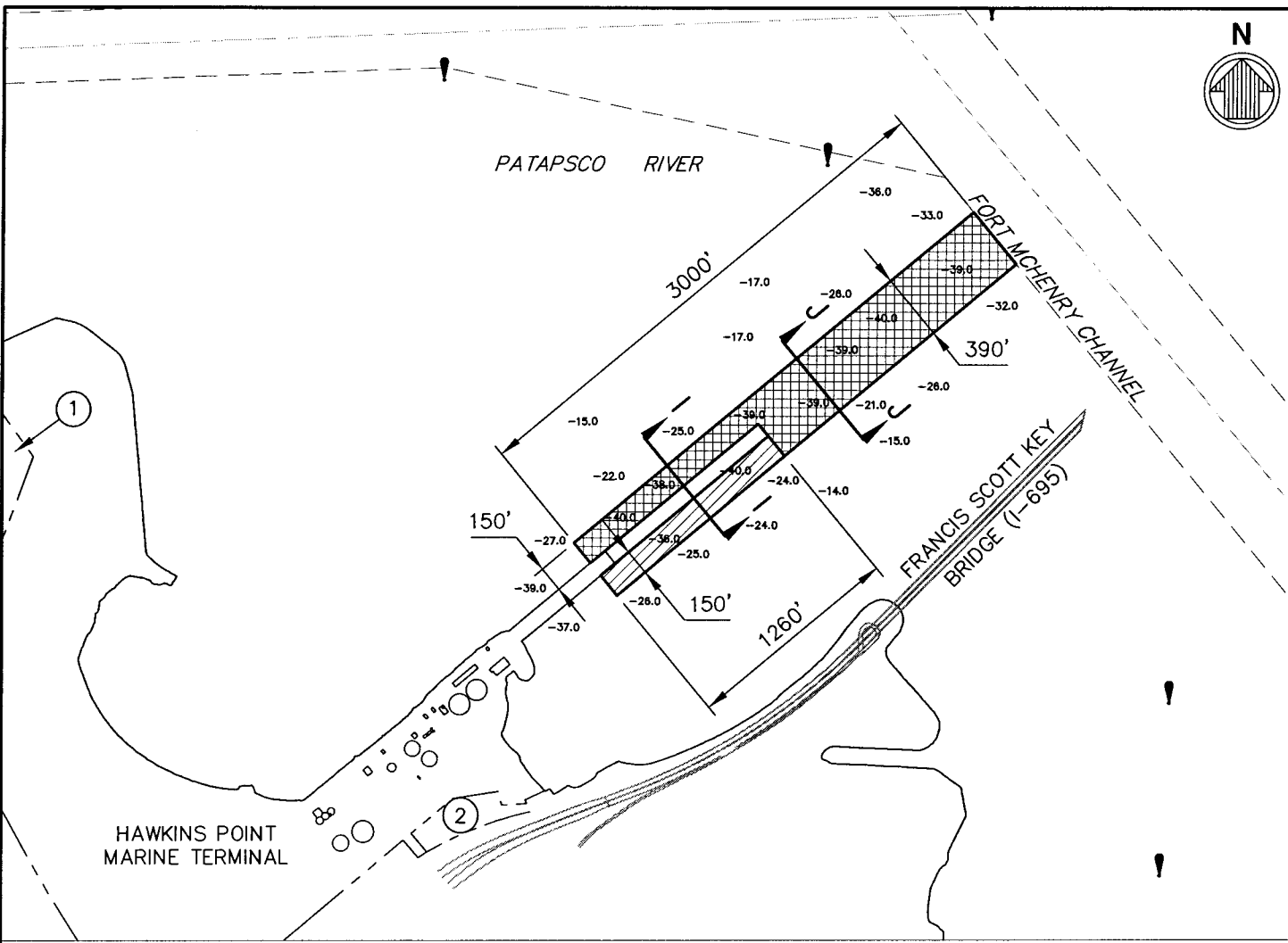
PROJECT LOCATION:  
DUNDALK AND SEAGIRT MARINE TERMINALS  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND



DATE: APRIL 21, 2014

SHEET 5 OF 15





**DREDGING DEPTH LEGEND (MLW)**

- 40' (20.0 ACRES)
- 36' (4.3 ACRES)

**ADJACENT PROPERTIES**

1. U.S. GYPSUM COMPANY
2. BALTIMORE GAS & ELECTRIC COMPANY

**NOTES**

1. MECHANICALLY OR HYDRAULICALLY MAINTENANCE DREDGE APPROXIMATELY 20,000 CY IN AREAS SHOWN (24.3 TOTAL ACRES) TO DEPTHS VARYING FROM -36 TO -40 FEET AT MEAN LOW WATER AND DISPOSE OF AT THE MASONVILLE OR COX CREEK DMCF.
2. PERFORM UP TO 15 OFFSHORE SUBSURFACE SOIL BORINGS FOR ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATIONS WITHIN THE DREDGING AREAS SHOWN.

**DATUM**

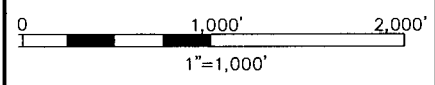
MEAN LOW WATER (MLW) = 0.0  
SOUNDINGS IN FEET

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:  
 **moffatt & nichol**

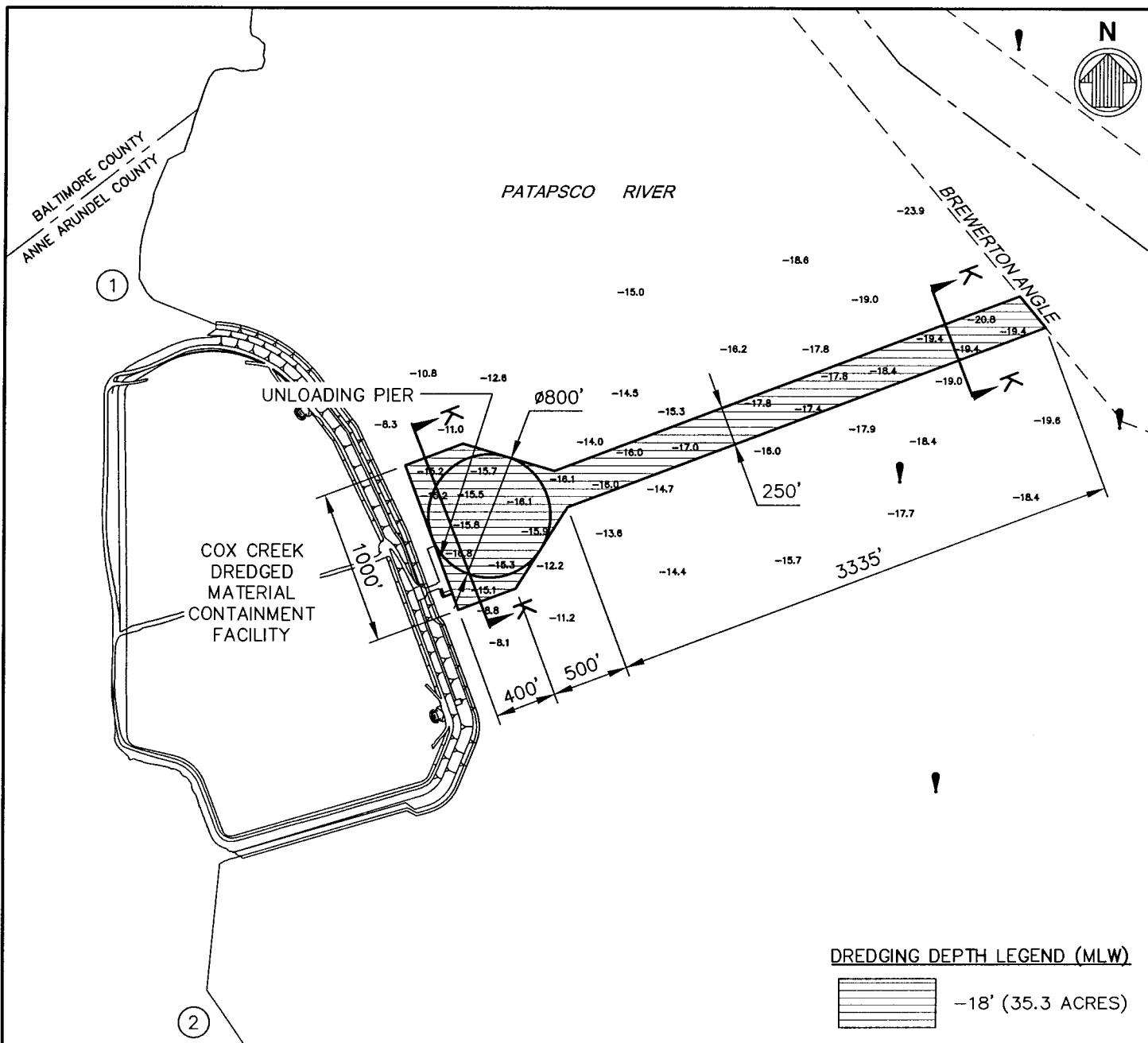
**MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING**

PROJECT LOCATION:  
HAWKINS POINT MARINE TERMINAL  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND



DATE: APRIL 21, 2014

SHEET 6 OF 15



**NOTES**

- MECHANICALLY OR HYDRAULICALLY MAINTENANCE DREDGE APPROXIMATELY 90,000 CY IN AREAS SHOWN (35.3 TOTAL ACRES) TO DEPTH OF -18 FEET AT MEAN LOW WATER AND DISPOSE OF AT THE MASONVILLE OR COX CREEK DMCF.
- PERFORM UP TO 25 OFFSHORE SUBSURFACE SOIL BORINGS FOR ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATIONS WITHIN THE DREDGING AREA SHOWN.

**ADJACENT PROPERTIES**

- GLIDDEN CO (MILLENNIUM INORGANIC CHEMICALS INC)
- CSX REALTY DEVELOPMENT LLC

**DATUM**

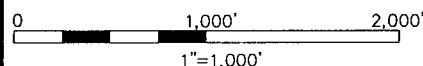
MEAN LOW WATER (MLW) = 0.0  
SOUNDINGS IN FEET

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:  
 **moffatt & nichol**

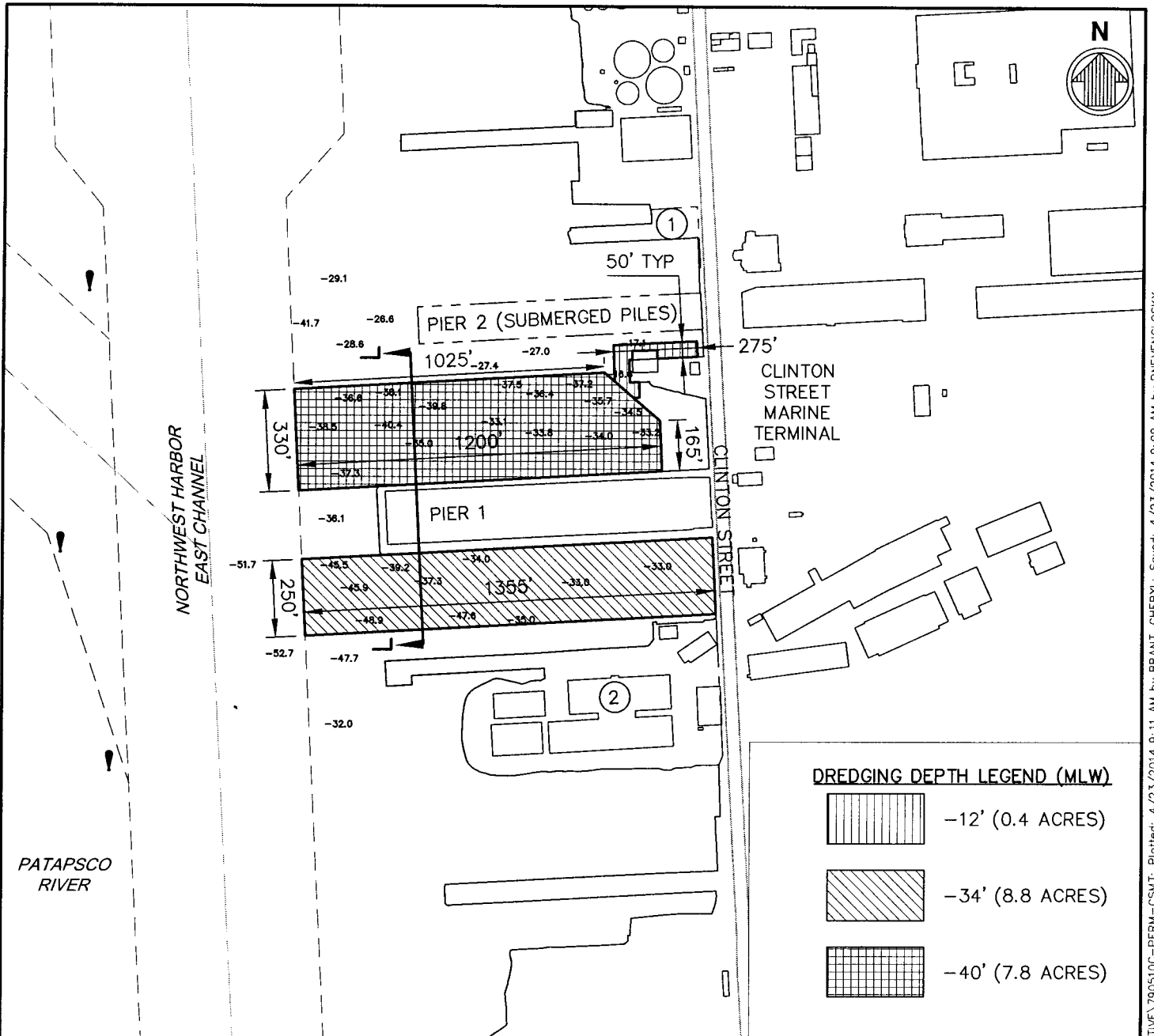
**MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING**

PROJECT LOCATION:  
COX CREEK DMCF  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND



DATE: APRIL 21, 2014

SHEET 7 OF 15



**NOTES**

1. MECHANICALLY OR HYDRAULICALLY MAINTENANCE DREDGE APPROXIMATELY 80,000 CY IN AREAS SHOWN (17.0 TOTAL ACRES) TO DEPTHS VARYING FROM -12 TO -40 FEET AT MEAN LOW WATER AND DISPOSE OF AT THE MASONVILLE OR COX CREEK DMCF.
2. PERFORM UP TO 15 OFFSHORE SUBSURFACE SOIL BORINGS FOR ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATIONS WITHIN THE DREDGING AREAS SHOWN.

**ADJACENT PROPERTIES**

1. RUKERT-CLINTON ST CORP
2. RUKERT TERMINALS CORP

**DATUM**

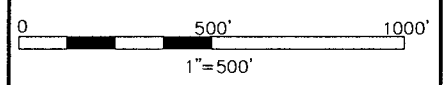
MEAN LOW WATER (MLW) = 0.0  
SOUNDINGS IN FEET

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:  
 **moffatt & nichol**

MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING

PROJECT LOCATION:  
CLINTON STREET MARINE TERMINAL  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND



DATE: APRIL 21, 2014

SHEET 8 OF 15

TYPICAL BORING PROCEDURES

1. OFFSHORE SUBSURFACE SOIL BORINGS SHALL BE PERFORMED FOR ENVIRONMENTAL AND GEOTECHNICAL INVESTIGATIONS AT VARIOUS MARYLAND PORT ADMINISTRATION FACILITY LOCATIONS IN THE PATAPSCO RIVER AS NOTED AT EACH PROJECT LOCATION.
2. BORINGS MAY BE LOCATED IN MAINTENANCE DREDGING AREAS (BERTHING AREAS, ACCESS CHANNELS AND SIDE SLOPES), ADJACENT TO EXISTING PIER STRUCTURES, AND WITHIN THE INTERIOR AREA OF EXISTING ACCESS CHANNEL LOOPS.
3. DRILLING SHALL BE PERFORMED USING HOLLOW STEM AUGERS.
4. DRILLING DEPTH SHALL VARY BASED ON LOCATION AND PURPOSE OF THE INVESTIGATION.
5. TESTING SHALL INCLUDE PHYSICAL AND CHEMICAL SOIL CHARACTERIZATION, STANDARD PENETRATION TESTS TO EVALUATE SOIL STRENGTH, UNDISTURBED 3-INCH DIAMETER SHELBY TUBE SAMPLES FOR SOIL CLASSIFICATION, AND IN-SITU VANE SHEAR TESTS.
6. SOIL SAMPLES COLLECTED FOR LABORATORY ANALYSIS SHALL BE DISPOSED OF PROPERLY PER STANDARD LABORATORY PROCEDURES.

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:



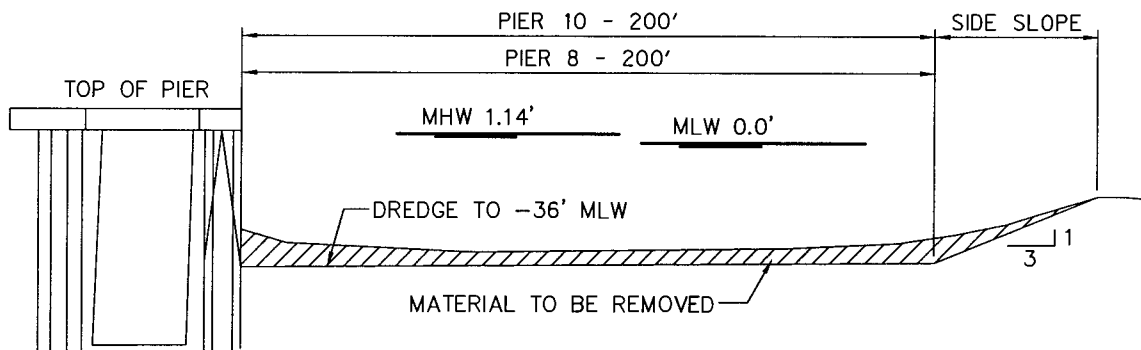
MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING

PROJECT LOCATION:

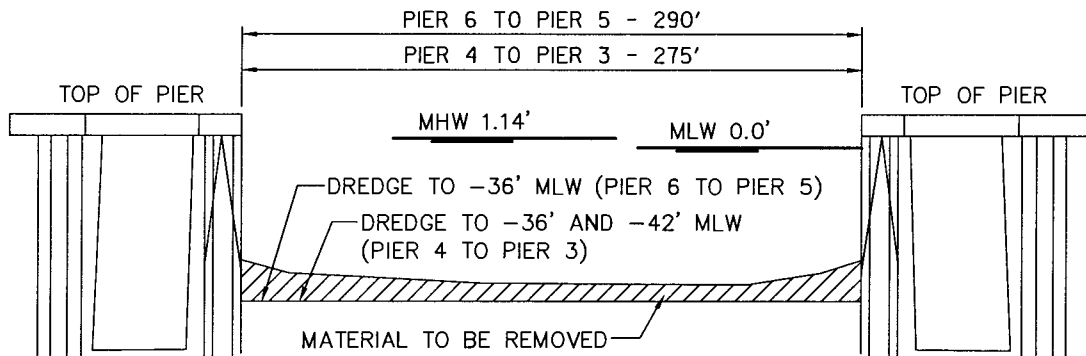
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND

DATE: APRIL 21, 2014

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TYPICAL SECTION A-A - NORTH LOCUST POINT  
NOT TO SCALE



TYPICAL SECTION B-B - NORTH LOCUST POINT  
NOT TO SCALE

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:

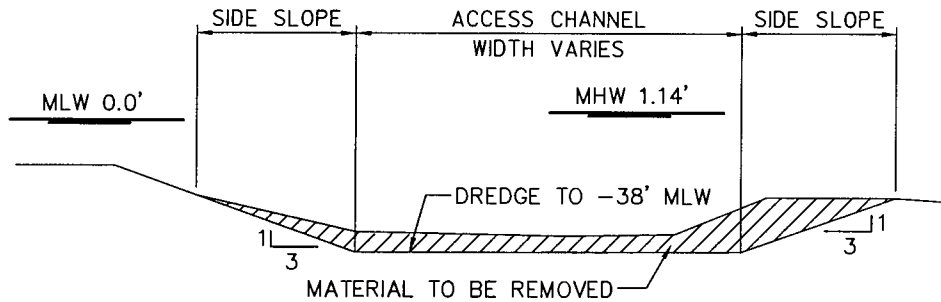


MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING

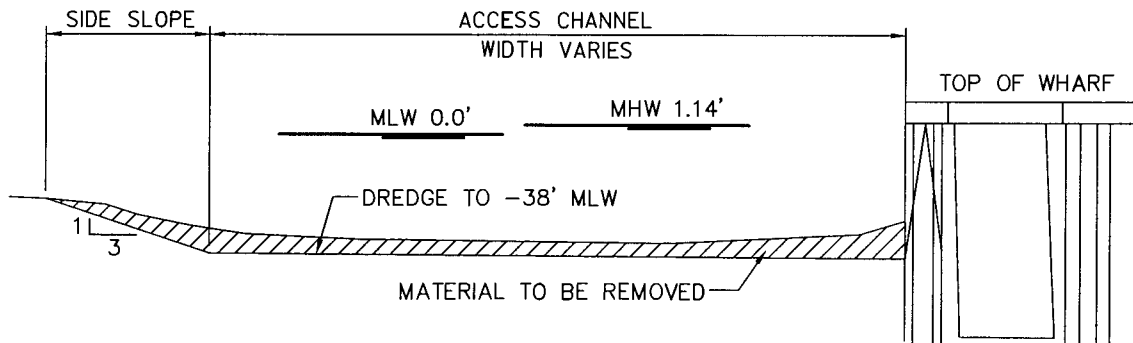
PROJECT LOCATION:  
NORTH LOCUST POINT MARINE TERMINAL  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND

DATE: APRIL 21, 2014

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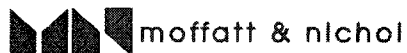
TYPICAL SECTION C-C – SOUTH LOCUST POINT  
NOT TO SCALE



TYPICAL SECTION D-D – SOUTH LOCUST POINT  
NOT TO SCALE

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:

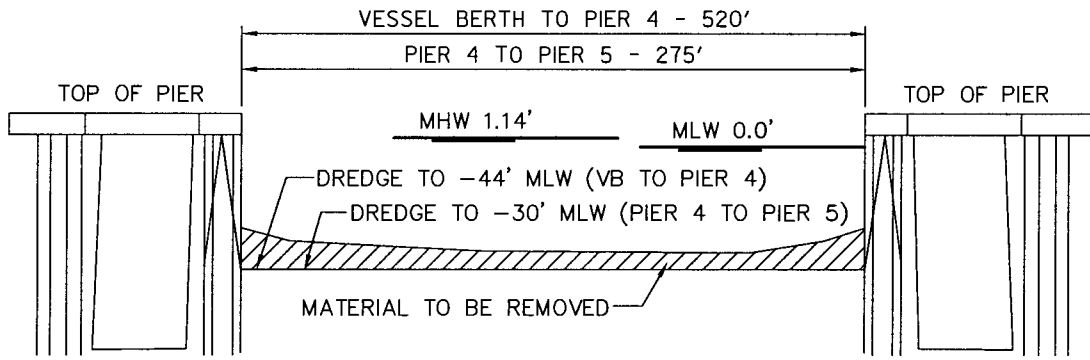


MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING

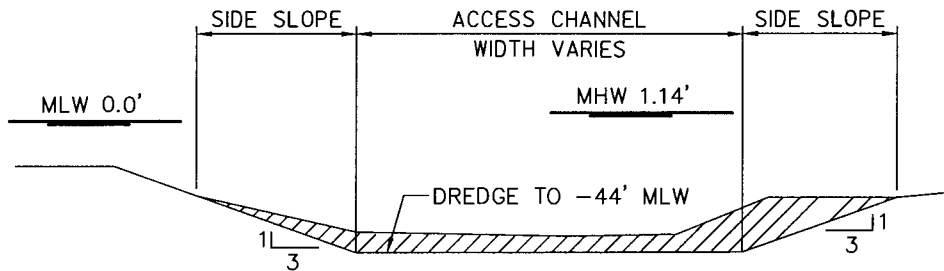
PROJECT LOCATION:  
SOUTH LOCUST POINT MARINE TERMINAL  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND

DATE: APRIL 21, 2014

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TYPICAL SECTION E-E - FAIRFIELD/MASONVILLE  
NOT TO SCALE



TYPICAL SECTION F-F - FAIRFIELD/MASONVILLE  
NOT TO SCALE

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:

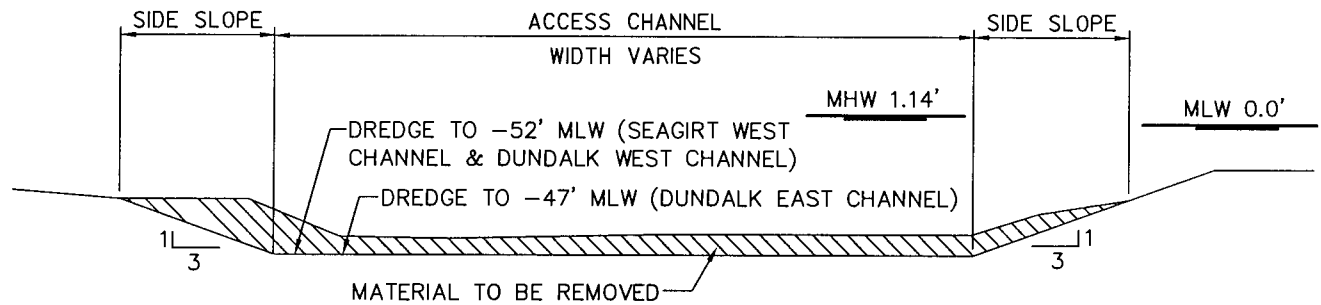


MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING

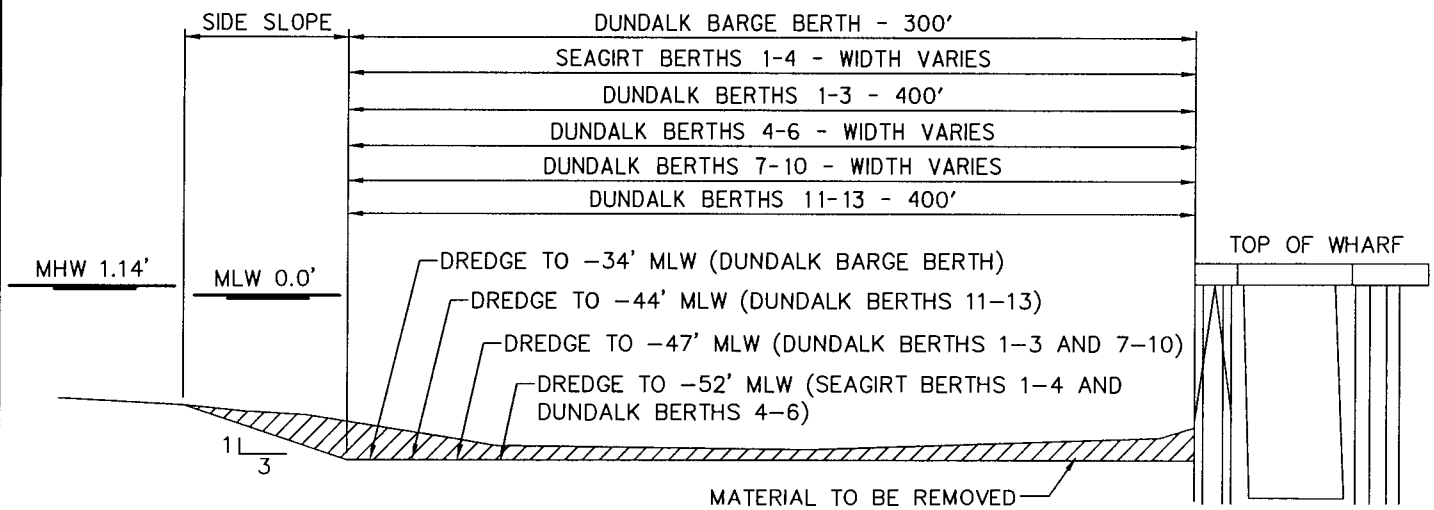
PROJECT LOCATION:  
FAIRFIELD/MASONVILLE MARINE TERMINALS  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND

DATE: APRIL 21, 2014

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TYPICAL SECTION G-G – DUNDALK AND SEAGIRT  
NOT TO SCALE



TYPICAL SECTION H-H – DUNDALK AND SEAGIRT  
NOT TO SCALE

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:



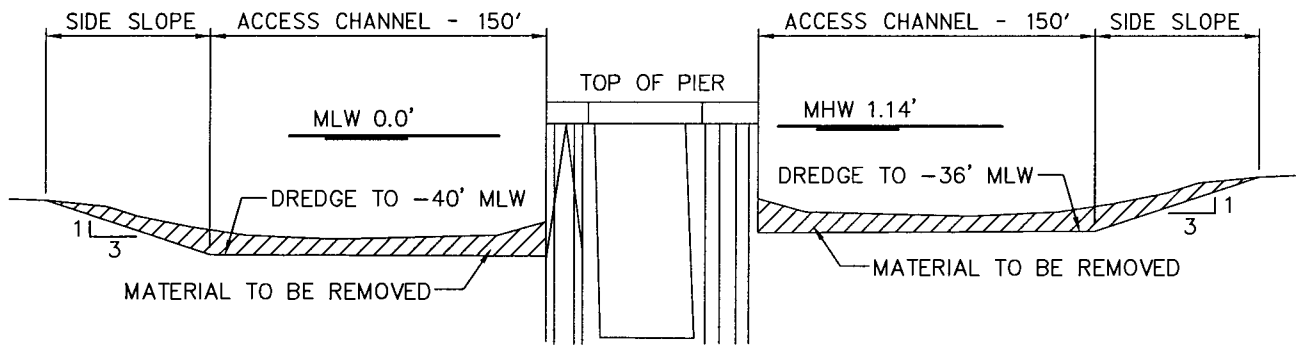
MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING

PROJECT LOCATION:  
DUNDALK AND SEAGIRT MARINE TERMINALS  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND

DATE: APRIL 21, 2014

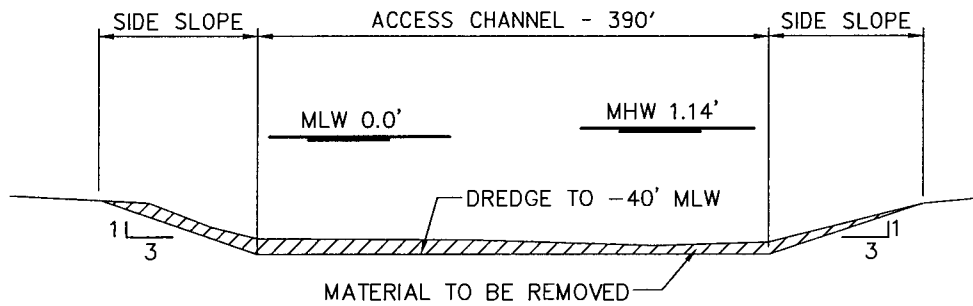
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TYPICAL SECTION I-I - HAWKINS POINT

NOT TO SCALE



TYPICAL SECTION J-J - HAWKINS POINT

NOT TO SCALE

APPLICATION BY:  
 MARYLAND PORT ADMINISTRATION  
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 401 EAST PRATT STREET  
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AGENT/ENGINEER:

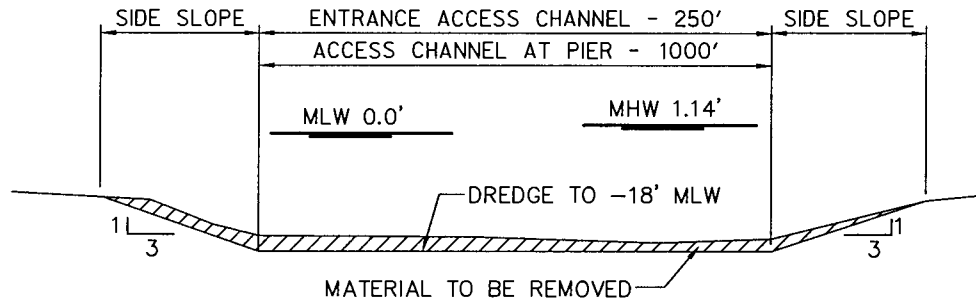


MARYLAND PORT ADMINISTRATION  
 HARBOR-WIDE  
 MAINTENANCE DREDGING

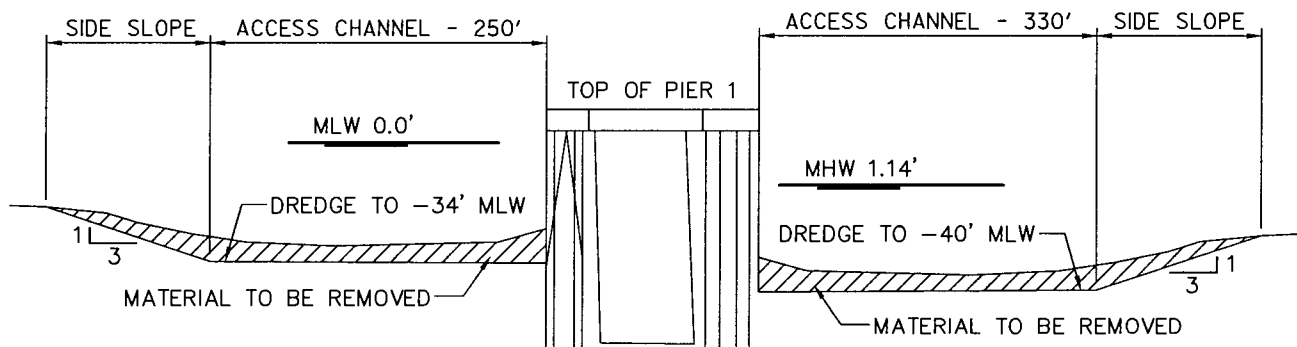
PROJECT LOCATION:  
 HAWKINS POINT MARINE TERMINAL  
 PATAPSCO RIVER  
 BALTIMORE HARBOR, MARYLAND

DATE: APRIL 21, 2014

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TYPICAL SECTION K-K – COX CREEK DMCF  
NOT TO SCALE



TYPICAL SECTION L-L – CLINTON STREET  
NOT TO SCALE

APPLICATION BY:  
MARYLAND PORT ADMINISTRATION  
WORLD TRADE CENTER  
401 EAST PRATT STREET  
BALTIMORE, MD 21222

AGENT/ENGINEER:



MARYLAND PORT ADMINISTRATION  
HARBOR-WIDE  
MAINTENANCE DREDGING

PROJECT LOCATION:  
COX CREEK DMCF AND CLINTON STREET  
PATAPSCO RIVER  
BALTIMORE HARBOR, MARYLAND

DATE: APRIL 21, 2014

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