



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

**Public Notice  
In Reply to Application Numbers/Names**

**NAB-2018-60660-P06 (Brookhouser, Lynn &  
Debra/Dredging& Bulkhead)  
NAB-2018-60659-P06 (Geary, Thomas/Dredging)  
NAB-2018-60658-P06 (Ebel, Robert/Dredging)  
NAB-2018-60662-P06 (Doak & Barbara Conn)  
NAB-2018-60661-P06 (Charles O. Holliday)  
NAB-2018-60657-P06 (Talbot County DPW Dogwood Harbor  
Dredging)  
NAB-2018-60663-P06 (Talbot County DPW/ Knapps Narrows)**

PN 18-61

Comment Period: November 9, 2018 to November 29, 2018

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**THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC REGARDING THE WORK DESCRIBED BELOW. IN ADDITION, IT SERVES AS AN AMENDMENT TO THE FOLLOWING PREVIOUSLY PUBLISHED PUBLIC NOTICIES (PN): PN-18-48; PN-18-36; and PN-18-43, which can be found at <http://www.nab.usace.army.mil/Missions/Regulatory/>. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT PERMITS WILL BE ISSUED AT THIS TIME.**

This District has received applications for a Department of the Army permits pursuant to Section 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act (33. U.S.C. 1344) as described below:

**APPLICANTS:**

Lynn and Debra Brookhouser  
P.O. Box 154  
Tilghman, Maryland 21671

Doak and Barbara Conn  
P.O. Box 211  
Tilghman Island, Maryland 21671

Thomas Geary and Jill Khadduri  
21752 Camper Circle  
Tilghman, Maryland 21671

Charles O. Holliday, Jr.  
P.O. Drawer 370  
Tilghman Island, Maryland 21671

Robert Ebel and Leslie Steen  
P.O. Box 399  
Tilghman, Maryland 21671

Ray Clarke  
Talbot County Department of Public  
Works  
215 Bay Street  
Suite #6  
Easton, Maryland, 21601

**WATERWAYS AND LOCATIONS OF THE PROPOSED WORK:** In Knapps Narrows, Dogwood Harbor, Back Creek, and Tongers Basin at Tilghman, Talbot County, Maryland.

**PROPOSED WORK AND PURPOSE:** The applicants propose to dredge by mechanical or hydraulic method totaling approximately 39.15 acres as described below. The work includes a request for maintenance dredging over a period of ten years by either mechanical or hydraulic method.

The hydraulic dredge pipeline, if utilized would be anchored on the waterway bottom and located in Knapps Narrows, Dogwood Harbor, Tongers Basin, Back Creek and within the Knapps Narrows and Dogwood Harbor Federal navigation channels.

The dredged material is proposed to be deposited at an existing upland disposal site on Donnell Jones Road in Sherwood, Maryland.

NAB-2018-60658-P06 (Ebel, Robert/Dredging): To dredge an approximate 60 to 75 feet wide by 45-foot long (3,383 square feet) entrance channel to -8 mean low water (MLW), resulting in approximately 425 cubic yards of dredged material in Knapps Narrows. Existing depths in the project area range from -3 feet to -5 feet MLW;

NAB-2018-60659-P06 (Geary, Thomas/Dredging): To dredge an approximate 60 to 75 feet wide by 39-foot long (3,400 square feet) entrance channel -8 MLW, resulting in approximately 524 cubic yards of dredge material in Knapps Narrows. Existing depths in the project area range from -3 feet to -5 feet MLW;

NAB-2018-60660-P06 (Brookhouser, Lynn and Debra/Dredging& Bulkhead): To dredge an approximate 75 to 90 feet wide by 53-foot long (3,979 square feet) entrance channel to -8 MLW, resulting in approximately 66 cubic yards of dredged material in Knapps Narrows. Existing depths in the project area range from -2 feet to -5 feet MLW. Additional work includes to construct 75 linear feet of replacement bulkhead with clean earth backfill to extend no more than 1.5 feet channelward of the existing deteriorated bulkhead;

NAB-2018-60661-P06 (Charles O. Holliday): To dredge an approximate 30-foot wide by 336- feet long area (9,907 square feet) to -6 MLW, resulting in approximately 547 cubic yards of dredged material in Dogwood Harbor. Existing depths in the project area range from -3 feet to -5 feet MLW;

NAB-2018-60662-P06 (Doak and Barbara Conn): To dredge an approximate 29-foot wide by 326-foot long (9063 square feet) entrance channel to -6 MLW, resulting in approximately 584 cubic yards of dredged material in Dogwood Harbor. Existing depths in the project area range from -2 feet to -5 feet MLW;

NAB-2018-60663-P06 (Talbot County DPW/ Knapps Narrows): To dredge an approximate 138- feet wide by 329-foot long (45,512 square feet) entrance channel to -6 MLW, resulting in approximately 4364 cubic yards of dredged material in Tongers Basin. Existing depths in the project area range from -2 feet to -4 feet MLW;

NAB-2018-60657-P06 (Talbot County DPW Dogwood Harbor Dredging): To dredge within the federal navigation channel an approximate 93-foot wide by 450-foot long (42,054 square feet) entrance channel to -6 MLW, resulting in approximately 753 cubic yards of dredged material in Dogwood Harbor and Harris Creek. Existing depths in the project area range from -2 feet to -5 feet MLW. Additional work includes to dredge an approximate 23-foot wide by 97-foot long (2,330 square feet) entrance channel to -5 MLW, resulting in approximately 128 cubic yards dredge material in Dogwood Harbor. Existing depths in the project area range from -1 feet to -6 feet MLW.

The purpose of the work is to improve and maintain navigational access.

All work is proposed to be completed in accordance with the enclosed plans. If you have any questions concerning this matter, please contact Deborah Nizer at (410) 962-6085 or [debby.nizer@usace.army.mil](mailto:debby.nizer@usace.army.mil).

As part of the planning process for the proposed projects, steps were taken to ensure avoidance and minimization of impacts to waters of the United States to the maximum extent practicable. Compensatory mitigation is not being proposed by the applicants for impacts to open water (sub-tidal) habitat. No wetland impacts are proposed.

The decision whether to issue permits will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activities on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonable may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposals will be considered, including the cumulative effects thereof; among those are conservation, economic, 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, mineral needs, and consideration of property ownership and in general, the needs and welfare of the people.

The evaluation of the impacts of the work described above on the public interest will include application of the Clean Water Act 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 these proposed activities. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny permits for these proposals. 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 provided will become part of the public record for these actions. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activities.

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, Deborah A. Nizer, 02-E-22-OP, 2 Hopkins Plaza, Baltimore, Maryland within the comment period specified above.

**ESSENTIAL FISH HABITAT:** The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 04-267), requires all Federal agencies to consult with the National Marine Fisheries Service (NMFS) on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH).

The project sites lie in or adjacent to EFH as described under MSFCMA for: eggs, larvae juvenile and adult Red hake (*Urophycis chuss*); juvenile and adult Windowpane flounder (*Scophthalmus aquosus*); juvenile, and adult Summer flounder (*Paralichthys dentatus*); juvenile and adult Clearnose skate (*Raja eglanteria*); juvenile and adult Bluefish (*Pomatomus saltatrix*); juvenile and adult Atlantic herring (*Clupea harengus*); adult Winter skate (*Leucoraja ocellata*); adult Little skate (*Leucoraja erinacea*), all managed species under the MSFCMA.

The projects have the potential to adversely affect approximately 39.15 acres area of EFH as described under the MSFCMA for the species and life stages identified above. EFH or the species of concern by loss of spawning, nursery, forage and/or shelter habitat as described under the MSFCMA for the species and life stages identified above. This habitat consists of a mostly sand and silt substrate which does not support SAV. According to the Maryland Aquatic Siting Tool survey maps, there are no SAV within the areas. The Baltimore District has made a preliminary determination that sites-specific impacts would not be substantial and an abbreviated consultation will be conducted with NMFS. No mitigative measures are recommended at this time to minimize adverse effects on EFH. This preliminary determination may be modified if additional information indicates otherwise and could change the Corps' preliminary determination.

**WATER QUALITY CERTIFICATION:** The applicants are required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act from the Maryland Department of the Environment. 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:** Where applicable, the applicants have certified in these applications that the proposed activities complies with and will be conducted in a manner consistent with the approved Coastal Zone Management (CZM) Program. By this public notice, we are requesting the State concurrence or objection to the applicants' consistency statements. It should be noted that the CZM Program has a statutory limit of 6 months to make its consistency determination.

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

**ENDANGERED SPECIES:** A preliminary review of these applications indicate that the proposed work will not affect Federal listed threatened or endangered species or their critical habitat, pursuant to Section 7 of the Endangered Species Act, as amended, because the water depths located at the project sites, where the temporary impacts to these previously disturbed areas will result, are too shallow to support ESA listed species. As the evaluation of these applications continue, additional information may become available which could modify this preliminary determination.

**CULTURAL RESOURCES:** 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 sites 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 permits.

**SECTION 408:** The Corps is reviewing the proposed dredging of the Navigation channels, pursuant to 33 USC 408 (Section 408). A determination has not been made at this time.

The evaluation of the impacts of these projects on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act.

Any person who has an interest which may be adversely affected by the issuance of these permits may request a public hearing. The request, which must be in writing, must be received by the District Engineer, U.S. Army Corps of Engineers, Baltimore District, Deborah A. Nizer, 02-E-22-OP, 2 Hopkins Plaza, Baltimore, MD 21201, within the comment period as specified above to receive consideration. Also it must clearly set forth the interest which may be adversely affected by these activities and the manner in which the interest may be adversely affected.

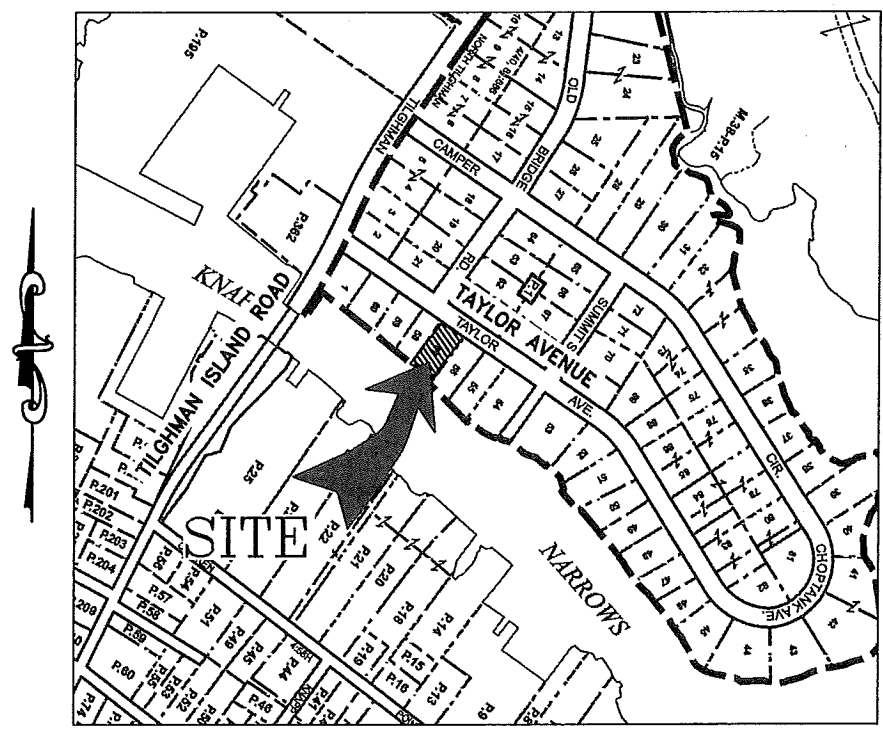
It is requested that you communicate this information concerning the proposed work to any persons know by you to be interested and not being known to this office, who did not receive a copy of this notice.

Point of contact for these projects is Deborah A. Nizer and can be reached at debby.nizer@usace.army.mil or (410) 962-6085.

FOR THE DISTRICT ENGINEER:

for Wade B. Chandler  
Chief, Pennsylvania Section  
Regulatory Branch

TIDAL WETLAND PERMIT DRAWINGS  
 PREPARED FOR  
 LYNN BROOKHOUSER & DEBRA BROOKHOUSER  
 IN THE FIFTH ELECTION DISTRICT  
 TALBOT COUNTY, MARYLAND




**VICINITY MAP**  
 SCALE: 1" = 500'

ENGINEER  
**Lane Engineering, LLC**  
 117 BAY STREET  
 EASTON, MARYLAND 21601  
 (410) 822-8003

OWNER/DEVELOPER  
 LYNN W. BROOKHOUSER  
 DEBRA E. BROOKHOUSER  
 P.O. BOX 154  
 TILGHMAN, MD 21671

PROJECT LOCATION  
 21756 CAMPER CIRCLE  
 TILGHMAN, MD 21671

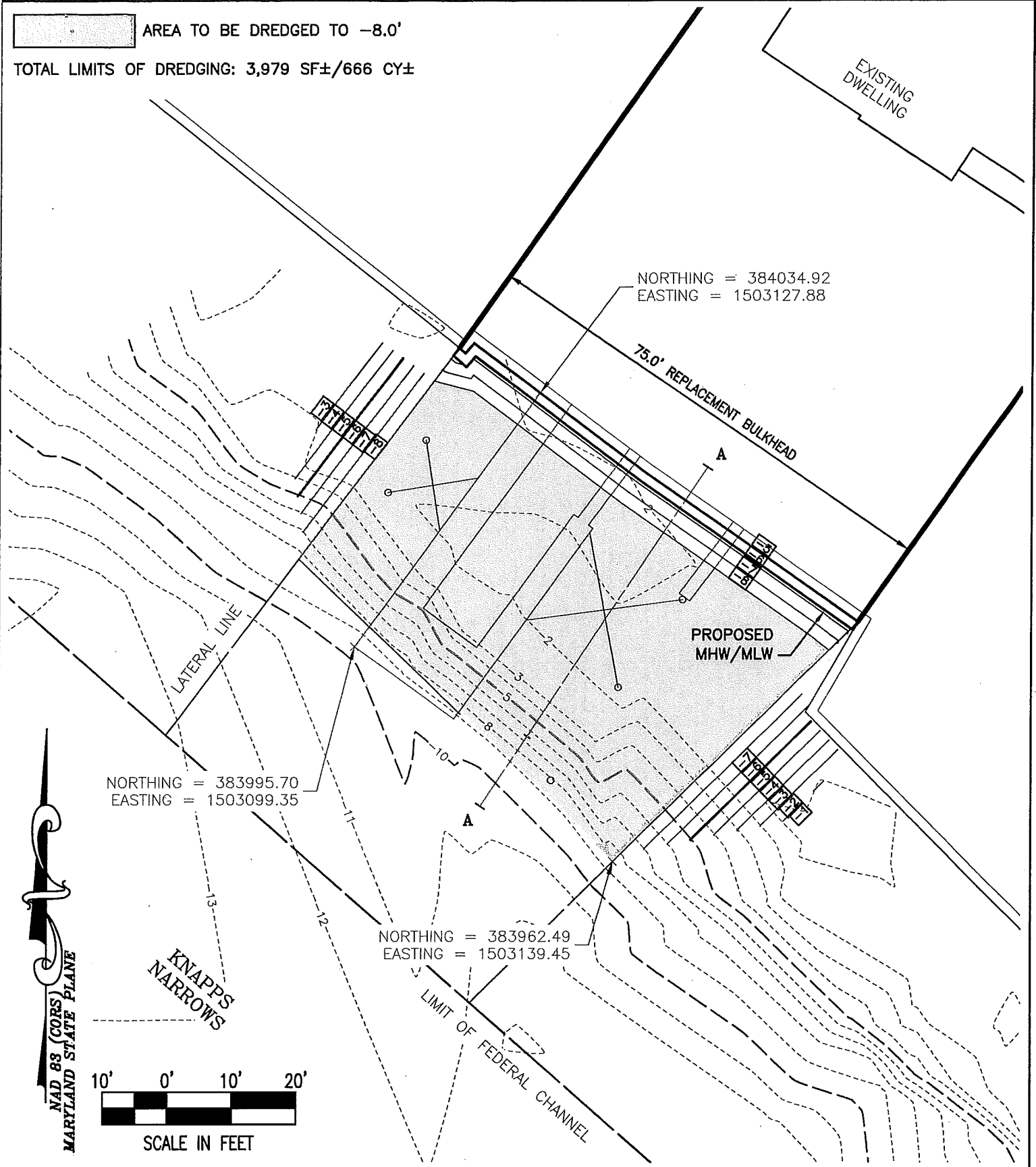
ISSUE FOR:	DATE:	BY:	No.	DATE:	REVISION:	BY:
MDE SUBMITTAL	03/20/18	DSW				

SHEET No. <b>1 OF 7</b>	<b>TITLE SHEET</b> ON THE LANDS OF <b>LYNN W. BROOKHOUSER &amp;                  DEBRA E. BROOKHOUSER</b> IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY TAX MAP 44A, PARCEL 1, LOT 57	<b>Lane Engineering, LLC</b> Established 1986 Civil Engineers • Land Planning • Land Surveyors  E-mail: general@leinc.com 117 Bay St. Easton, MD 21601 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 354 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2095
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AREA TO BE DREDGED TO -8.0'

TOTAL LIMITS OF DREDGING: 3,979 SF±/666 CY±



FILE No. 1066  
 JOB No. 180014  
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 DATE: AS NOTED  
 SHEET No. 5 OF 7

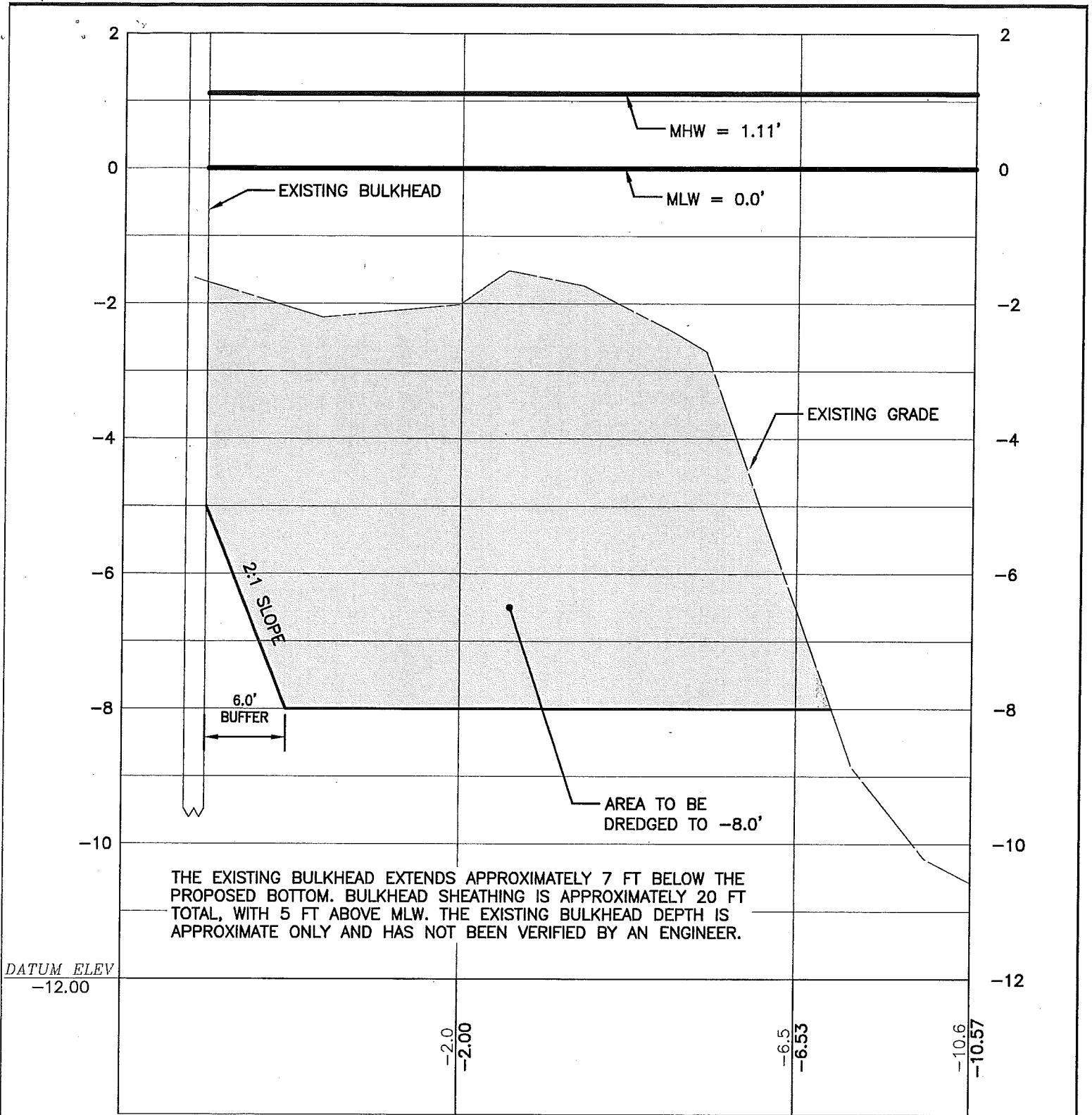
**PROPOSED IMPROVEMENTS**  
**ON THE LANDS OF**  
**LYNN W. BROOKHOUSER &**  
**DEBRA E. BROOKHOUSER**  
 IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 1, LOT 57

**Lane Engineering, LLC**  
 Established 1986  
 Civil Engineers • Land Planning • Land Surveyors

E-mail: general@leinc.com  
 117 Bay St. Easton, MD 21601 (410) 822-8003  
 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

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**SECTION A**

HORIZONTAL SCALE: 1" = 10'  
 VERTICAL SCALE: 1" = 2'

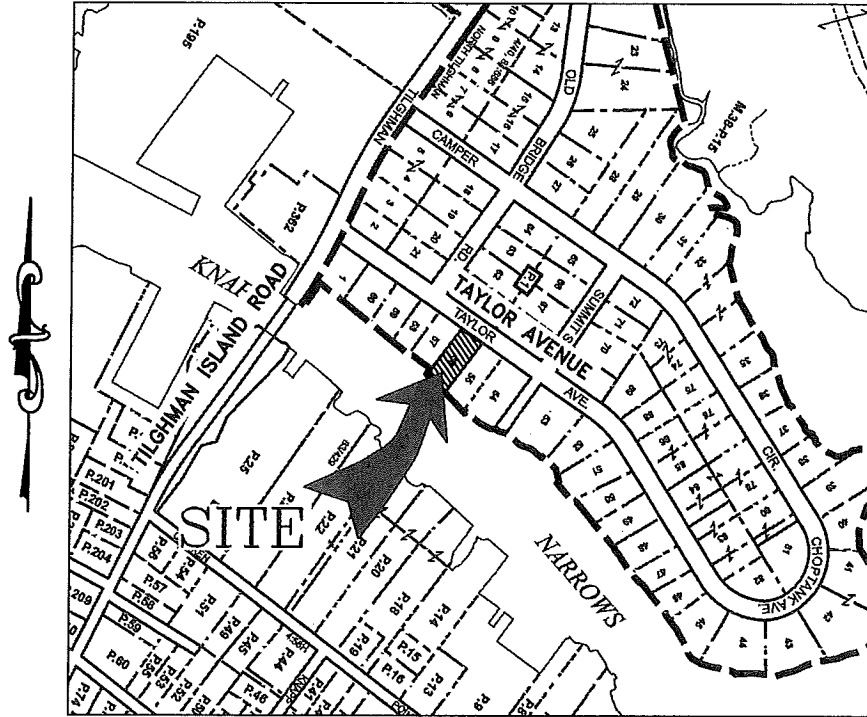
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 SCALE: AS NOTED  
 JOB No. 180014  
 FILE No. 1066

**DETAILS**  
 ON THE LANDS OF  
**LYNN W. BROOKHOUSER &  
 DEBRA E. BROOKHOUSER**  
 IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 1, LOT 57

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 354 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2095

TIDAL WETLAND PERMIT DRAWINGS  
 PREPARED FOR  
 THOMAS F. GEARY & JILL KHADDURI  
 IN THE FIFTH ELECTION DISTRICT  
 TALBOT COUNTY, MARYLAND



**VICINITY MAP**  
 SCALE: 1" = 500'

ENGINEER

OWNER/DEVELOPER

PROJECT LOCATION

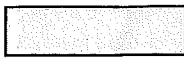
**Lane Engineering, LLC**  
 117 BAY STREET  
 EASTON, MARYLAND 21601  
 (410) 822-8003

THOMAS F. GEARY  
 JILL KHADDURI  
 21752 CAMPER CIRCLE  
 TILGHMAN, MD 21671-1135

21752 CAMPER CIRCLE  
 TILGHMAN, MD 21671-1135

ISSUE FOR:	DATE:	BY:	No.	DATE:	REVISION:	BY:
MDE SUBMITTAL	03/20/18	DSW				

SHEET No. <b>1 OF 7</b>	<b>TITLE SHEET</b> ON THE LANDS OF <b>THOMAS F. GEARY &amp; JILL KHADDURI</b> TILGHMAN, MARYLAND IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY TAX MAP 44A, PARCEL 1, LOT 56	<b>Lane Engineering, LLC</b> Established 1986 Civil Engineers • Land Planning • Land Surveyors  E-mail: general@leinc.com 117 Bay St. Easton, MD 21601 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095
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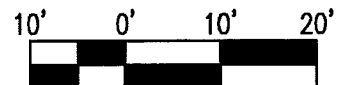
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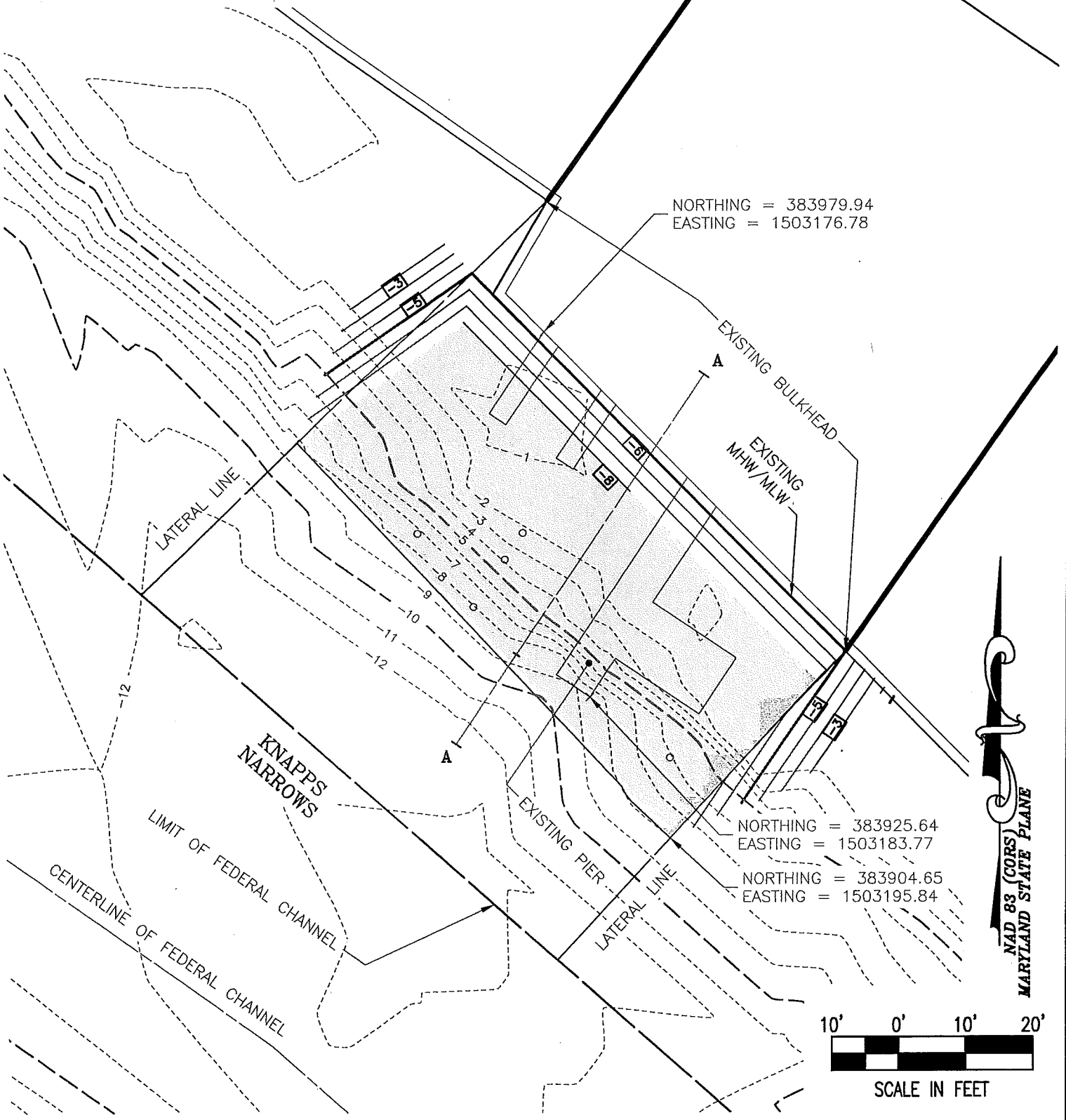
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EXISTING MHW/MLW

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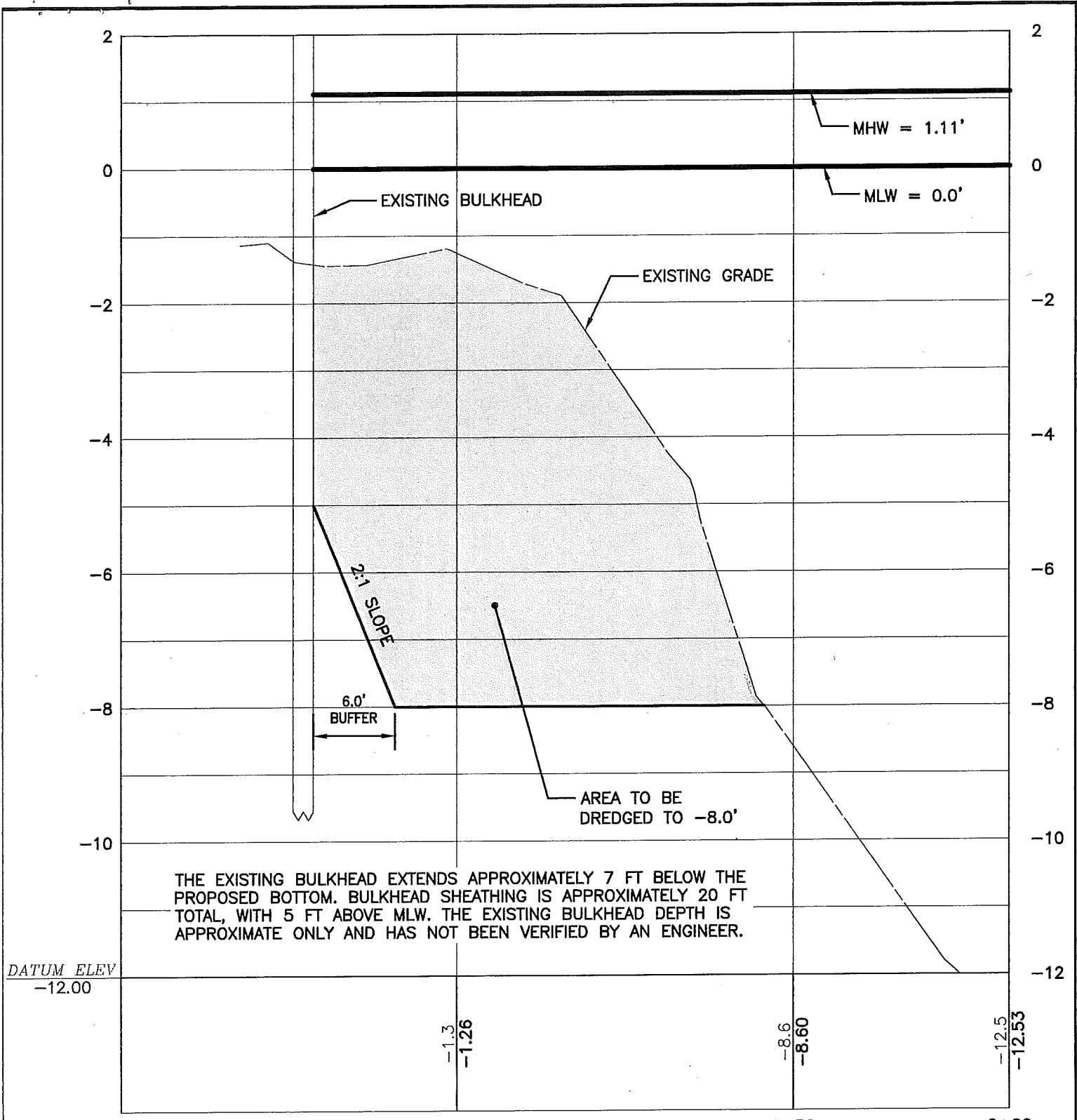
SCALE IN FEET



FILE No. 1066  
JOB No. 180020  
SCALE: AS NOTED  
DATE: AS NOTED  
SHEET No. 5 OF 7

**PROPOSED IMPROVEMENTS**  
**ON THE LANDS OF**  
**THOMAS F. GEARY & JILL KHADDURI**  
**TILGHMAN, MARYLAND**  
**IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY**  
**TAX MAP 44A, PARCEL 1, LOT 56**

**Lane Engineering, LLC**  
Established 1986  
Civil Engineers • Land Planning • Land Surveyors  
E-mail: general@leinc.com  
117 Bay St. Easton, MD 21601 (410) 822-8003  
15 Washington St. Cambridge, MD 21613 (410) 221-0818  
354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095



THE EXISTING BULKHEAD EXTENDS APPROXIMATELY 7 FT BELOW THE PROPOSED BOTTOM. BULKHEAD SHEATHING IS APPROXIMATELY 20 FT TOTAL, WITH 5 FT ABOVE MLW. THE EXISTING BULKHEAD DEPTH IS APPROXIMATE ONLY AND HAS NOT BEEN VERIFIED BY AN ENGINEER.

DATUM ELEV  
-12.00

**SECTION A**

HORIZONTAL SCALE: 1" = 10'

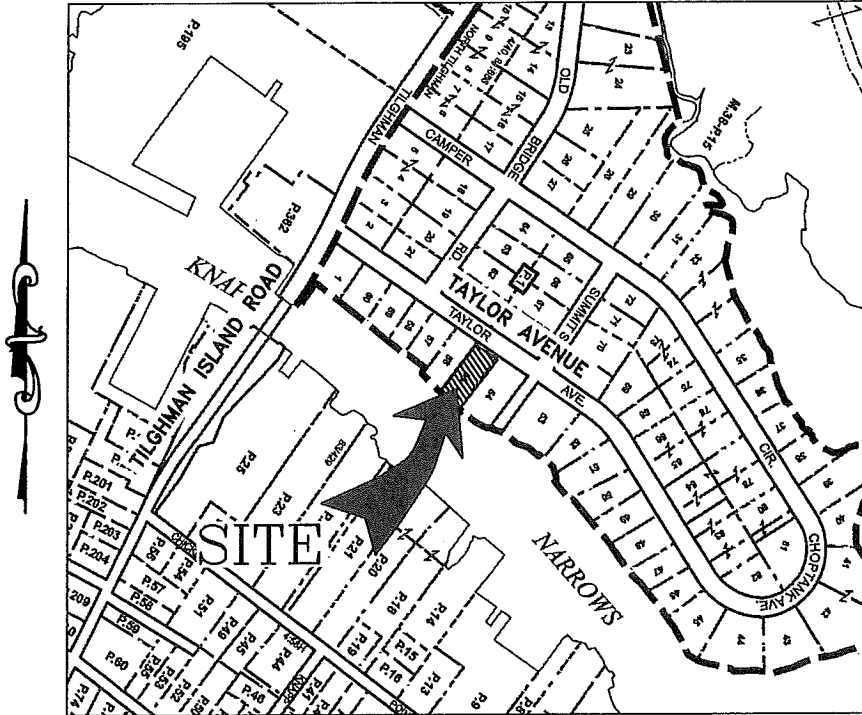
VERTICAL SCALE: 1" = 2'

FILE No. 1066  
JOB No. 180020  
SCALE: AS NOTED  
DATE: AS NOTED  
SHEET No. 6 OF 7

**DETAILS**  
**ON THE LANDS OF**  
**THOMAS F. GEARY & JILL KHADDURI**  
**TILGHMAN, MARYLAND**  
**IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY**  
**TAX MAP 44A, PARCEL 1, LOT 56**

**Lane Engineering, LLC**  
Established 1986  
Civil Engineers • Land Planning • Land Surveyors  
E-mail: general@leinc.com  
117 Bay St. Easton, MD 21601 (410) 822-8003  
15 Washington St. Cambridge, MD 21613 (410) 221-0818  
354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095  
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TIDAL WETLAND PERMIT DRAWINGS  
 PREPARED FOR  
 ROBERT D. EBEL & LESLIE A. STEEN  
 IN THE FIFTH ELECTION DISTRICT  
 TALBOT COUNTY, MARYLAND



VICINITY MAP  
 SCALE: 1" = 500'

ENGINEER

OWNER/DEVELOPER


PROJECT LOCATION

Lane Engineering, LLC  
 117 BAY STREET  
 EASTON, MARYLAND 21601  
 (410) 822-8003

ROBERT D. EBEL  
 LESLIE A. STEEN  
 P.O. BOX 399  
 TILGHMAN, MD 21671

21748 CAMPER CIRCLE  
 TILGHMAN, MD 21671

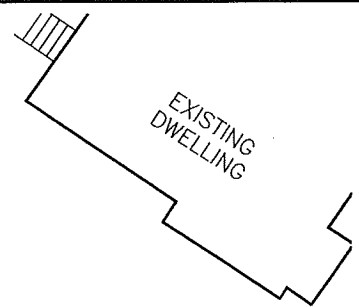
ISSUE FOR:	DATE:	BY:	No.	DATE:	REVISION:	BY:
MDE SUBMITTAL	03/20/18	DSW				

SHEET No. <b>1 OF 7</b>	<b>TITLE SHEET</b> ON THE LANDS OF <b>ROBERT D. EBEL &amp; LESLIE A. STEEN</b> <b>TILGHMAN, MARYLAND</b> IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY TAX MAP 44A, PARCEL 1, LOT 55	<b>Lane Engineering, LLC</b> Established 1986 Civil Engineers • Land Planning • Land Surveyors  E-mail: general@leinc.com 117 Bay St. Easton, MD 21601 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095
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AREA TO BE DREDGED TO -8.0'

TOTAL LIMITS OF DREDGING: 3,383 SF±/425 CY±



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EXISTING BULKHEAD  
EXISTING MHW/MLW

EXISTING PIER

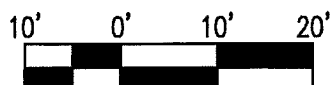
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NORTHING = 383849.24  
EASTING = 1503254.29

KNAPPS NARROWS

LIMIT OF FEDERAL CHANNEL

CENTERLINE OF FEDERAL CHANNEL



SCALE IN FEET

### PROPOSED IMPROVEMENTS

ON THE LANDS OF  
**ROBERT D. EBEL & LESLIE A. STEEN  
TILGHMAN, MARYLAND**

IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
TAX MAP 44A, PARCEL 1, LOT 55

### Lane Engineering, LLC

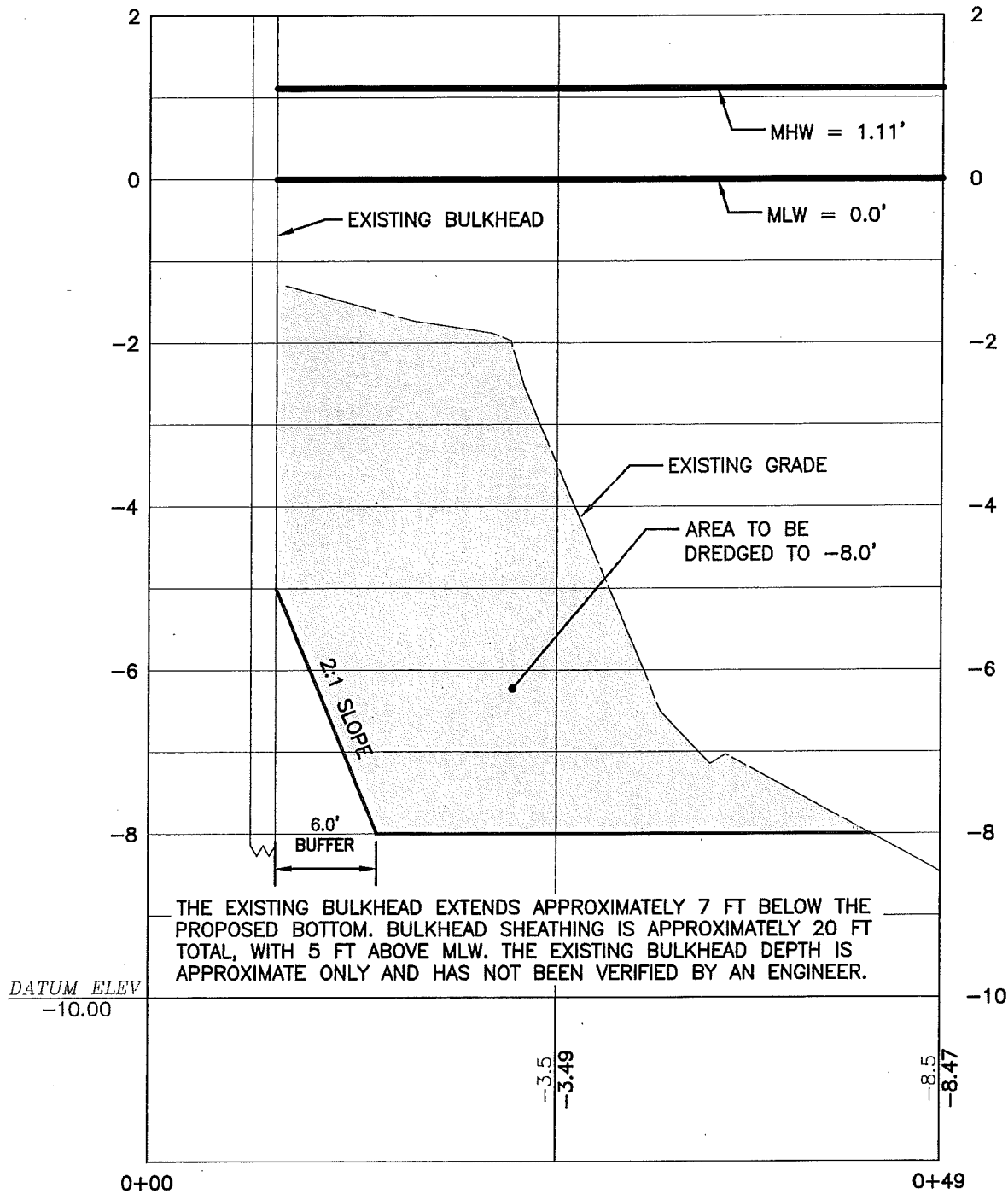
Established 1986  
Civil Engineers • Land Planning • Land Surveyors



E-mail: general@leinc.com  
117 Bay St. Easton, MD 21601 (410) 822-8003  
15 Washington St. Cambridge, MD 21613 (410) 221-0818  
354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

SHEET No.  
**5 OF 7**

DATE: AS NOTED  
SCALE: AS NOTED  
JOB No. 180041  
FILE No. 1066



**SECTION A**

HORIZONTAL SCALE: 1" = 10'

VERTICAL SCALE: 1" = 2'

**DETAILS**

**ON THE LANDS OF  
ROBERT D. EBEL & LESLIE A. STEEN  
TILGHMAN, MARYLAND**

**IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
TAX MAP 44A, PARCEL 1, LOT 55**

**Lane Engineering, LLC**

Established 1986  
Civil Engineers • Land Planning • Land Surveyors



E-mail: general@laneinc.com  
117 Bay St. Easton, MD 21601 (410) 822-8003  
15 Washington St. Cambridge, MD 21613 (410) 221-0818  
354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

FILE No. 1066  
JOB No. 180041  
SCALE: AS NOTED  
DATE: AS NOTED  
SHEET No.  
**6 OF 7**



TIDAL WETLAND PERMIT DRAWINGS  
 PREPARED FOR  
 DOAK O. CONN & BARBARA C. CONN  
 IN THE FIFTH ELECTION DISTRICT  
 TALBOT COUNTY, MARYLAND



**VICINITY MAP**  
 SCALE: 1" = 1,000'

ENGINEER

OWNER/DEVELOPER

PROJECT LOCATION

**Lane Engineering, LLC**  
 117 BAY STREET  
 EASTON, MARYLAND 21601  
 (410) 822-8003

DOAK O. CONN  
 BARBARA C. CONN  
 P.O. BOX 211  
 TILGHMAN, MD 21671

21504 WHARF ROAD  
 TILGHMAN ISLAND, MD 21671

ISSUE FOR:	DATE:	BY:	No.	DATE:	REVISION:	BY:
MDE SUBMITTAL	03/20/18	DSW				

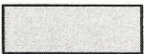
SHEET No. **1 OF 7**  
 DATE: AS NOTED  
 SCALE: AS NOTED  
 JOB No. 180038  
 FILE No. 1068

**TITLE SHEET**  
**ON THE LANDS OF**  
**DOAK O. CONN & BARBARA C. CONN**  
**TILGHMAN, MARYLAND**  
 IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 153

**Lane Engineering, LLC**  
 Established 1986  
 Civil Engineers • Land Planning • Land Surveyors

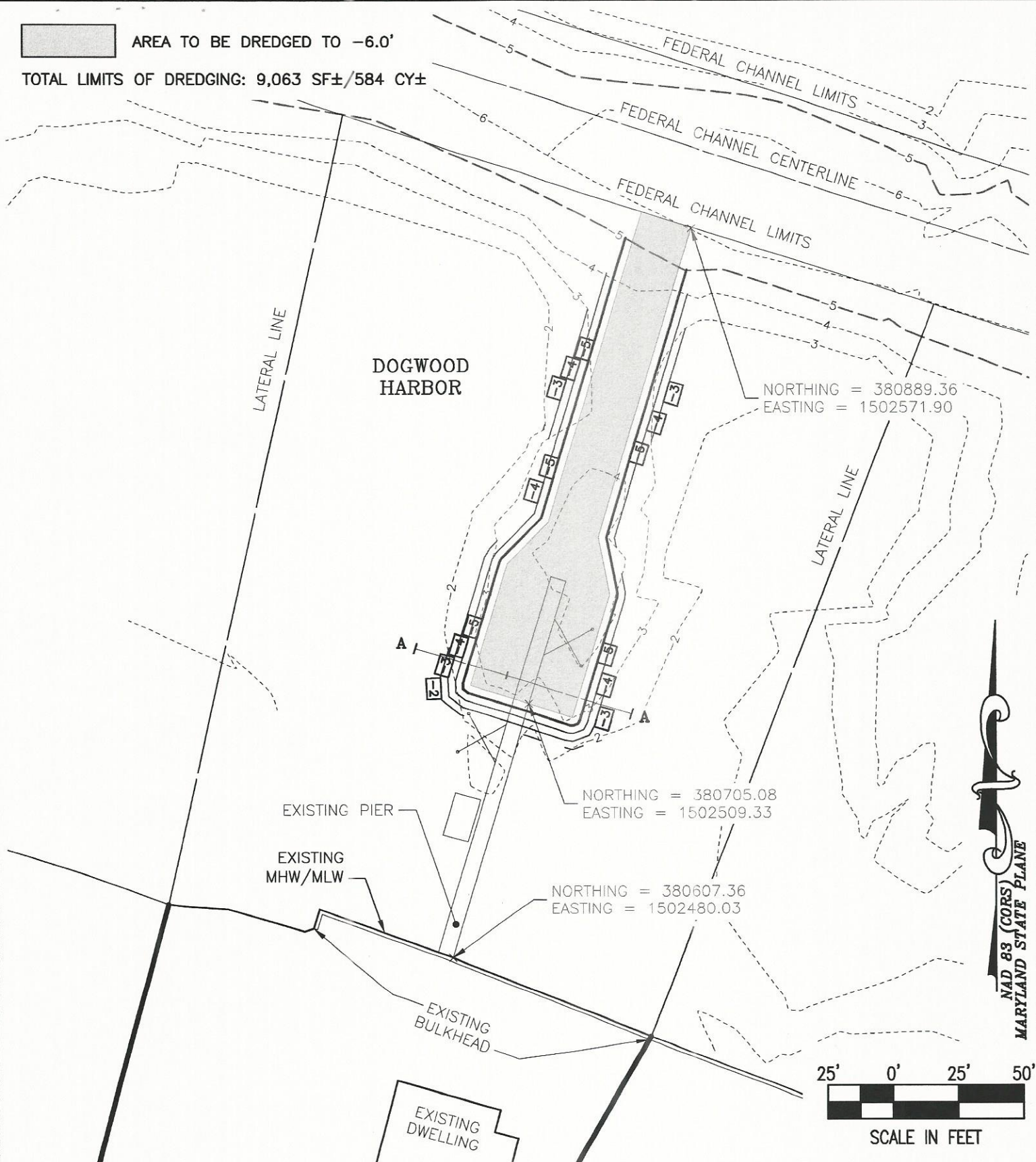
  
 E-mail: general@leinc.com  
 117 Bay St. Easton, MD 21601 (410) 822-8003  
 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095





AREA TO BE DREDGED TO -6.0'

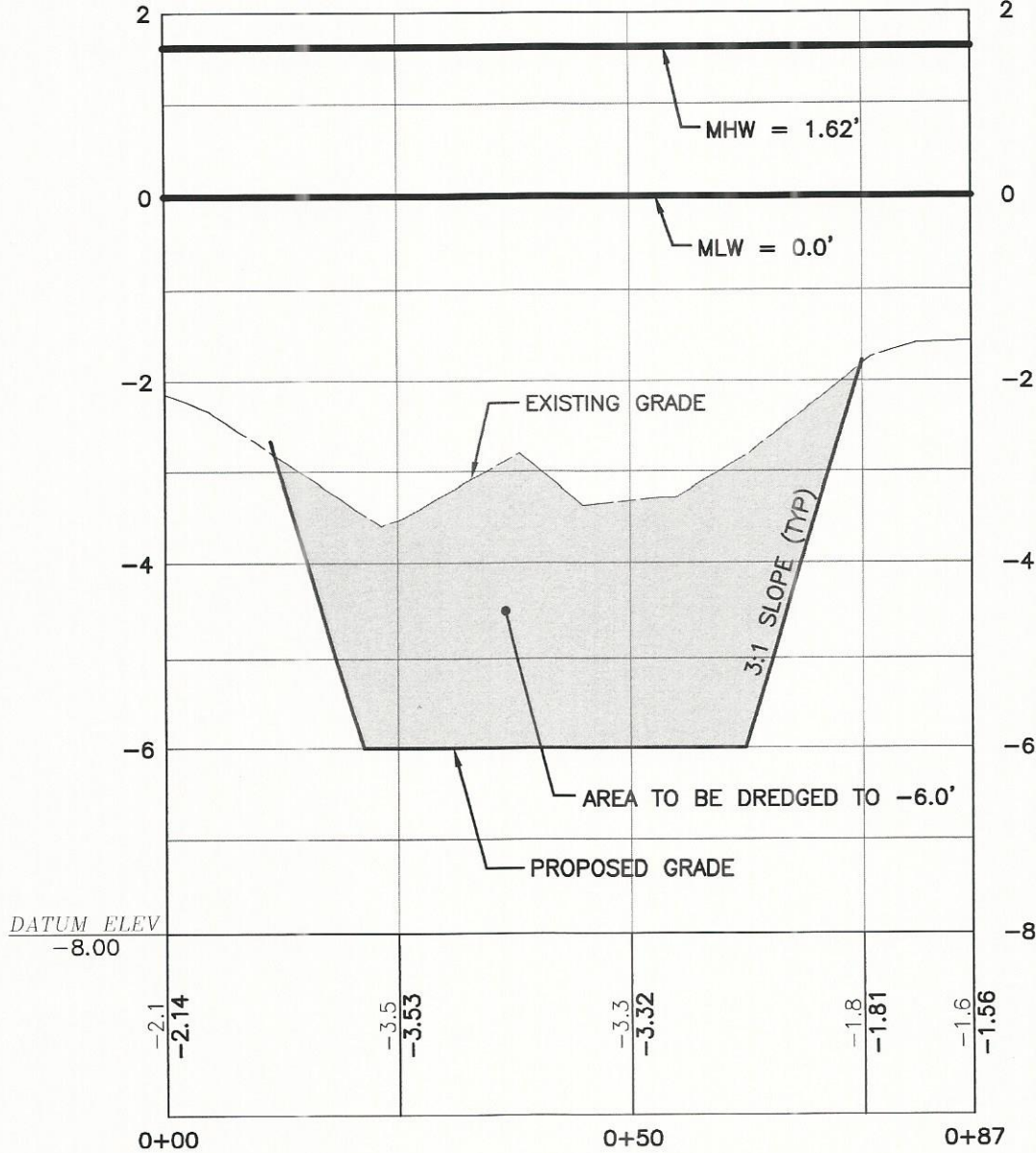
TOTAL LIMITS OF DREDGING: 9,063 SF±/584 CY±



SHEET No. **5 OF 7**  
 DATE: AS NOTED  
 SCALE: AS NOTED  
 JOB No. 180038  
 FILE No. 1068

**PROPOSED IMPROVEMENTS**  
**ON THE LANDS OF**  
**DOAK O. CONN & BARBARA C. CONN**  
**TILGHMAN, MARYLAND**  
 IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 153

**Lane Engineering, LLC**  
 Established 1986  
 Civil Engineers • Land Planning • Land Surveyors  
  
 E-mail: general@leinc.com  
 117 Bay St. Easton, MD 21601 (410) 822-8003  
 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2095



**SECTION A**  
 HORIZONTAL SCALE: 1" = 20'  
 VERTICAL SCALE: 1" = 2'

**DETAILS**

**ON THE LANDS OF  
 DOAK O. CONN & BARBARA C. CONN  
 TILGHMAN, MARYLAND**

**IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 153**

**Lane Engineering, LLC**

Established 1986  
 Civil Engineers • Land Planning • Land Surveyors



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 117 Bay St. Easton, MD 21601 (410) 822-8003  
 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

SHEET No.  
**6 OF 7**  
 DATE: AS NOTED  
 SCALE: AS NOTED  
 JOB No. 180038  
 FILE No. 1068



TIDAL WETLAND PERMIT DRAWINGS  
 PREPARED FOR  
 CHARLES O. HOLLIDAY, JR.  
 IN THE FIFTH ELECTION DISTRICT  
 TALBOT COUNTY, MARYLAND



**VICINITY MAP**  
 SCALE: 1" = 1,000'

ENGINEER

OWNER/DEVELOPER

PROJECT LOCATION

**Lane Engineering, LLC**  
 117 BAY STREET  
 EASTON, MARYLAND 21601  
 (410) 822-8003

CHARLES O. HOLLIDAY, JR.  
 P.O. DRAWER 370  
 TILGHMAN ISLAND, MD 21671

WHARF ROAD  
 TILGHMAN ISLAND, MD 21671

ISSUE FOR:	DATE:	BY:	No.	DATE:	REVISION:	BY:
MDE SUBMITTAL	03/20/18	DSW				

SHEET No. **1 OF 7**  
 DATE: AS NOTED  
 SCALE: AS NOTED  
 JOB No. 180039  
 FILE No. 1068

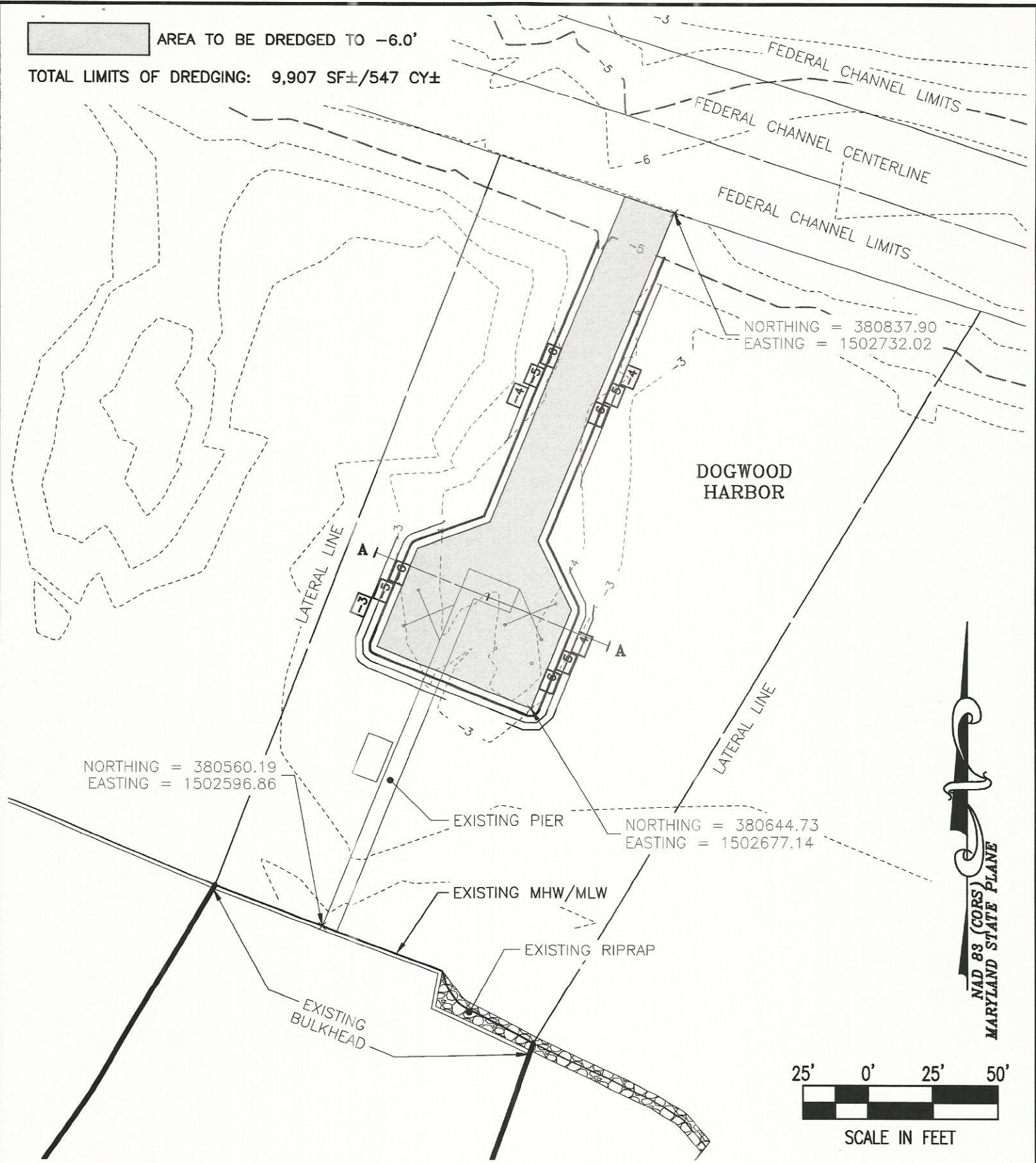
**TITLE SHEET**  
**ON THE LANDS OF**  
**CHARLES O. HOLLIDAY, JR.**  
**TILGHMAN, MARYLAND**  
*IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY*  
**TAX MAP 44A, PARCEL 155**

**Lane Engineering, LLC**  
 Established 1986  
 Civil Engineers • Land Planning • Land Surveyors

E-mail: general@leinc.com  
 117 Bay St. Easton, MD 21601 (410) 822-8003  
 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

AREA TO BE DREDGED TO -6.0'

TOTAL LIMITS OF DREDGING: 9,907 SF±/547 CY±



SHEET No.  
**5 OF 7**

DATE: AS NOTED  
 SCALE: AS NOTED  
 JOB No. 180039  
 FILE No. 1068

**PROPOSED IMPROVEMENTS**  
**ON THE LANDS OF**  
**CHARLES O. HOLLIDAY, JR.**  
**TILGHMAN, MARYLAND**

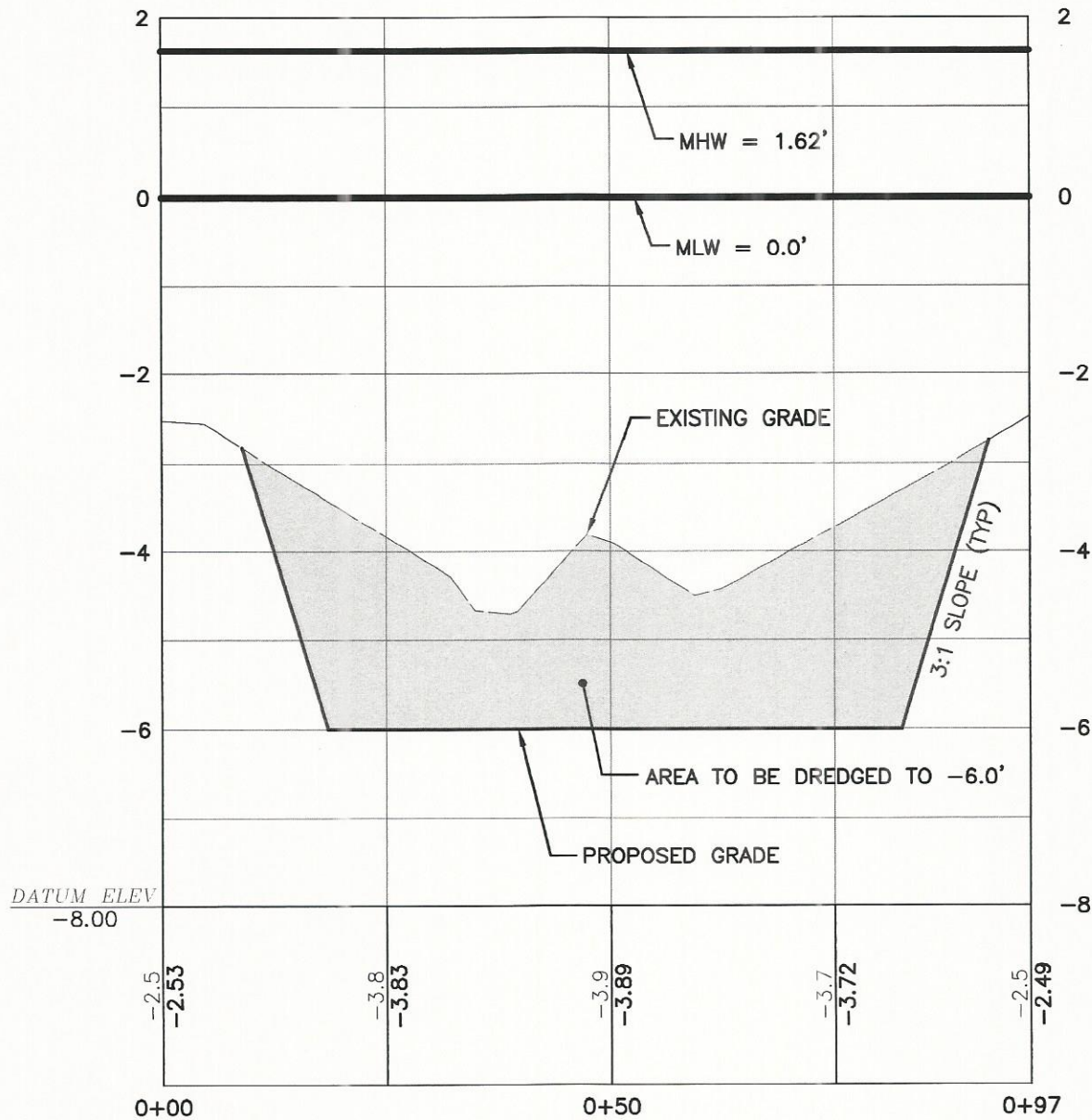
IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 155

**Lane Engineering, LLC**  
 Established 1986  
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© LANE ENGINEERING, LLC





**SECTION A**  
 HORIZONTAL SCALE: 1" = 20'  
 VERTICAL SCALE: 1" = 2'

SHEET No.  
**6 OF 7**

DATE: AS NOTED  
 SCALE: AS NOTED  
 JOB No. 180039  
 FILE No. 1068

**DETAILS**

**ON THE LANDS OF  
 CHARLES O. HOLLIDAY, JR.  
 TILGHMAN, MARYLAND**

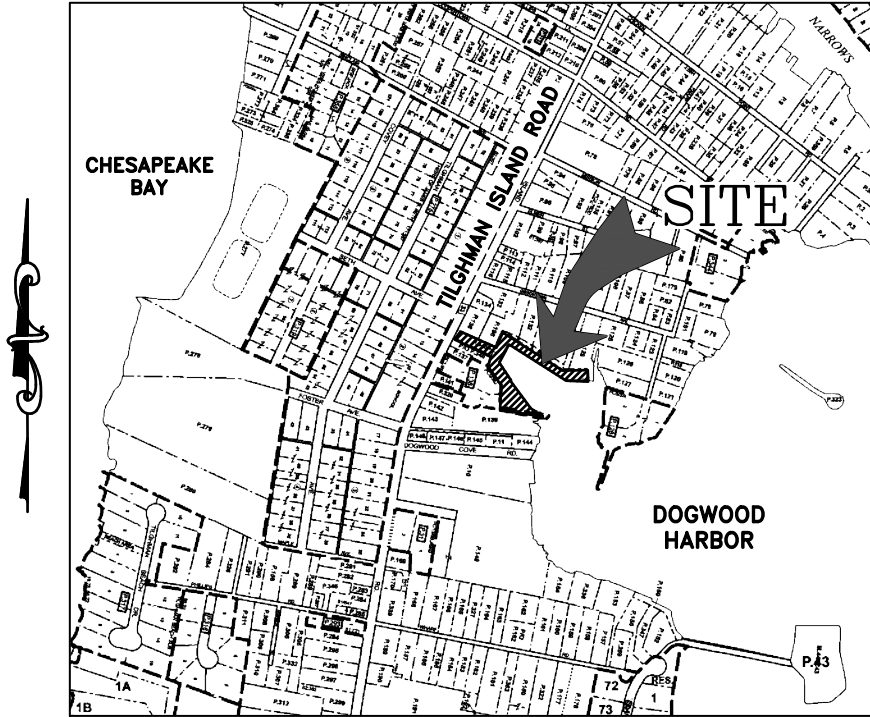
**IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 155**

**Lane Engineering, LLC**  
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 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

TIDAL WETLAND DREDGING PERMIT DRAWINGS  
 PREPARED FOR  
 TALBOT COUNTY  
 DEPARTMENT OF PUBLIC WORKS  
 IN THE FIFTH ELECTION DISTRICT  
 TALBOT COUNTY, MARYLAND



VICINITY MAP  
 SCALE: 1" = 1,000'

ENGINEER

Lane Engineering, LLC  
 117 BAY STREET  
 EASTON, MARYLAND 21601  
 (410) 822-8003

OWNER/DEVELOPER

COUNTY COMMISSIONERS OF  
 TALBOT COUNTY  
 C/O TALBOT COUNTY  
 DEPARTMENT OF PUBLIC WORKS  
 11 N. WASHINGTON STREET  
 EASTON MD, 21601

PROJECT LOCATION

TILGHMAN ISLAND ROAD  
 TILGHMAN ISLAND, MD 21671

ISSUE FOR:	DATE:	BY:	No.	DATE:	REVISION:	BY:
MDE SUBMITTAL	03/20/18	DSW				
MDE & USACE SUBMITTAL	06/20/18	DSW				
MDE & USACE SUBMITTAL	10/29/18	DSW				

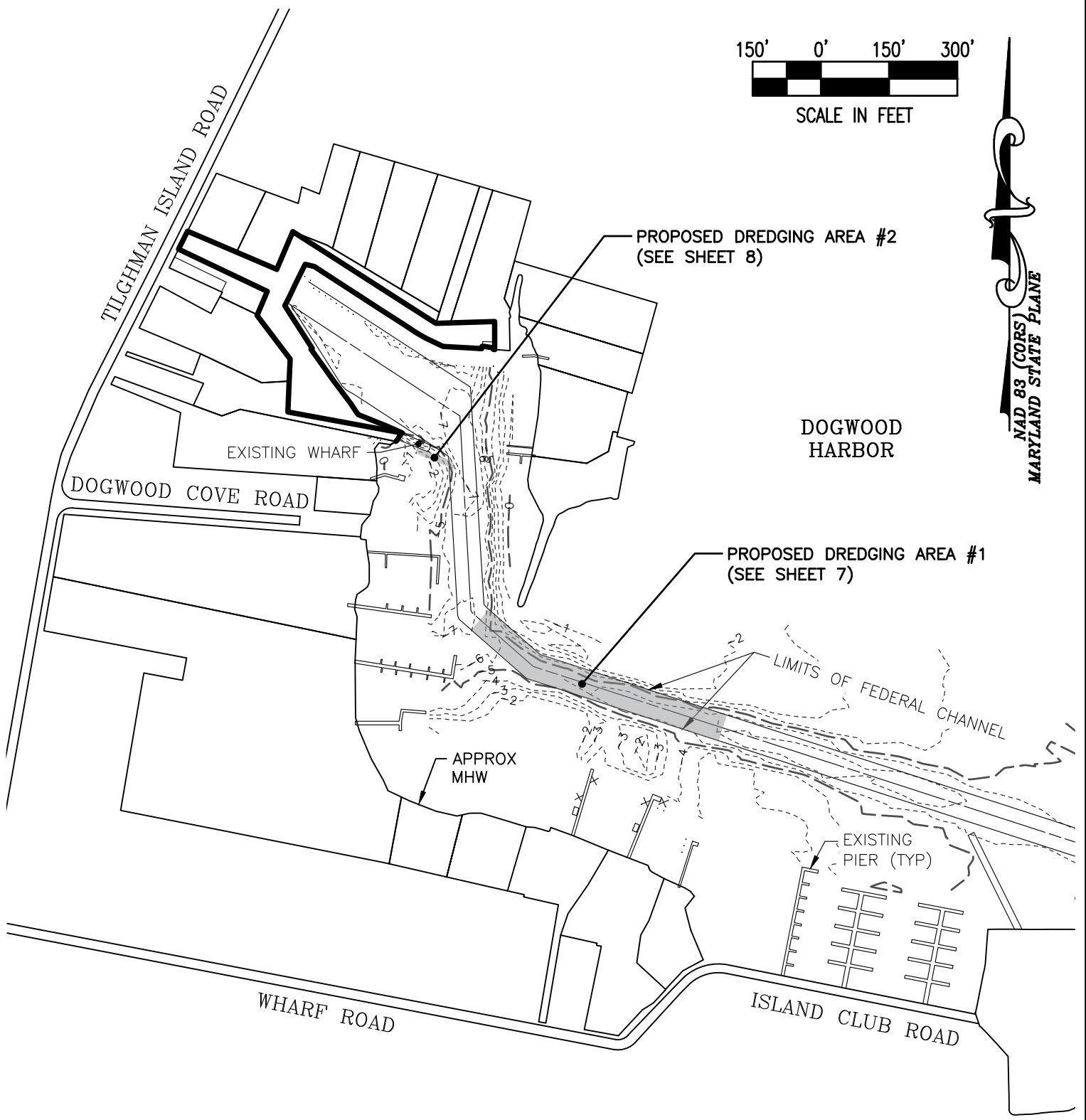
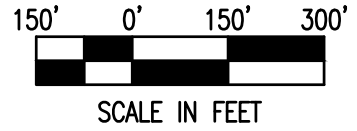
FILE No. 3388  
 JOB No. 180007  
 SCALE: AS NOTED  
 DATE: AS NOTED  
 SHEET No.  
**1 OF 13**

**TITLE SHEET**  
 PREPARED FOR  
 TALBOT COUNTY  
 DEPARTMENT OF PUBLIC WORKS  
 IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 340

Lane Engineering, LLC  
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 Civil Engineers • Land Planning • Land Surveyors



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 AREAS TO BE DREDGED

TOTAL OF 2 AREAS TO BE DREDGED: 44,384 SF±/881 CY±

FILE No. 3388  
JOB No. 180007  
SCALE: AS NOTED  
DATE: AS NOTED  
SHEET No. 6 OF 13

**PROPOSED IMPROVEMENTS OVERVIEW**  
**PREPARED FOR**  
**TALBOT COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**  
*IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY*  
*TAX MAP 44A, PARCEL 340*

**Lane Engineering, LLC**  
Established 1986  
Civil Engineers • Land Planning • Land Surveyors  
  
E-mail: general@leinc.com  
117 Bay St. Easton, MD 21601 (410) 822-8003  
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354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095



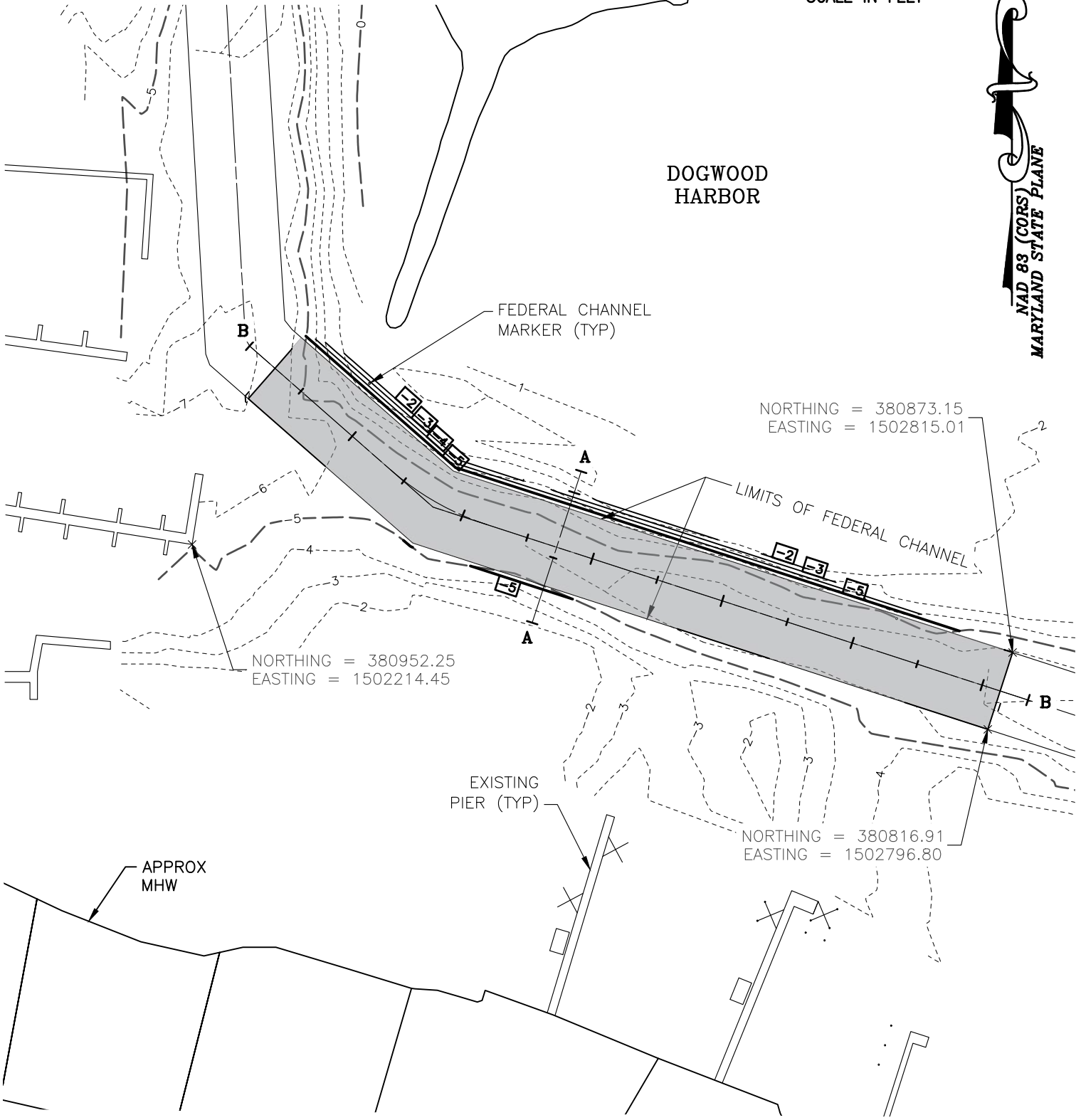
AREA TO BE DREDGED TO -6.0'

TOTAL AREA TO BE DREDGED: 42,054 SF±/753 CY±

50' 0' 50' 100'



SCALE IN FEET



DOGWOOD HARBOR

FEDERAL CHANNEL MARKER (TYP)

NORTHING = 380873.15  
EASTING = 1502815.01

LIMITS OF FEDERAL CHANNEL

NORTHING = 380952.25  
EASTING = 1502214.45

EXISTING PIER (TYP)

NORTHING = 380816.91  
EASTING = 1502796.80

APPROX MHW

FILE No. 3388  
JOB No. 180007  
SCALE: AS NOTED  
DATE: AS NOTED  
SHEET No. 7 OF 13

**PROPOSED IMPROVEMENTS**  
**PREPARED FOR**  
**TALBOT COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**  
*IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY*  
*TAX MAP 44A, PARCEL 340*

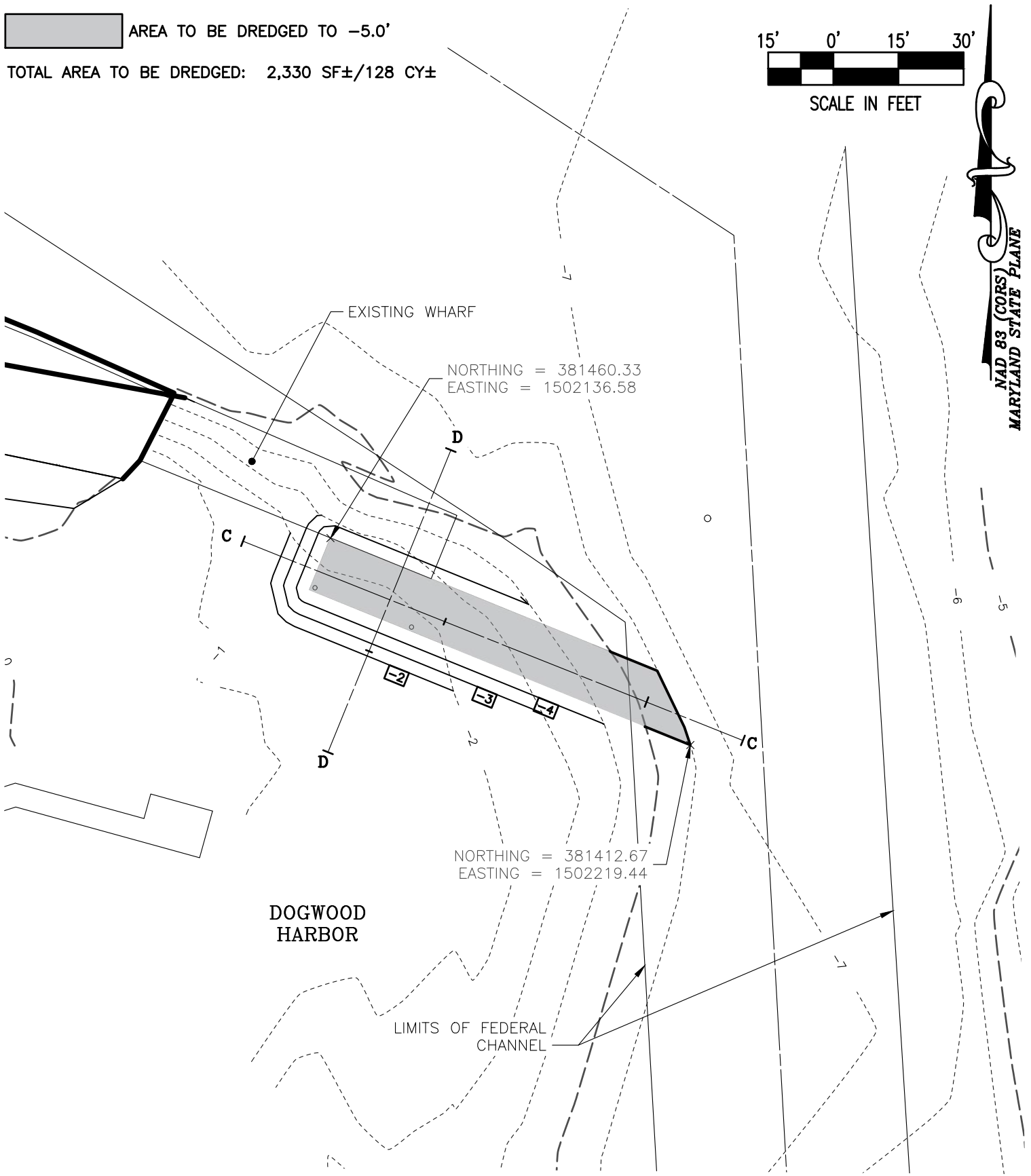
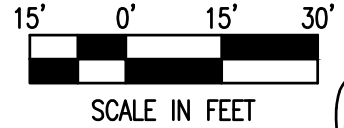
**Lane Engineering, LLC**  
Established 1986  
Civil Engineers • Land Planning • Land Surveyors  
  
E-mail: general@leinc.com  
117 Bay St. Easton, MD 21601 (410) 822-8003  
15 Washington St. Cambridge, MD 21613 (410) 221-0818  
354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095





AREA TO BE DREDGED TO -5.0'

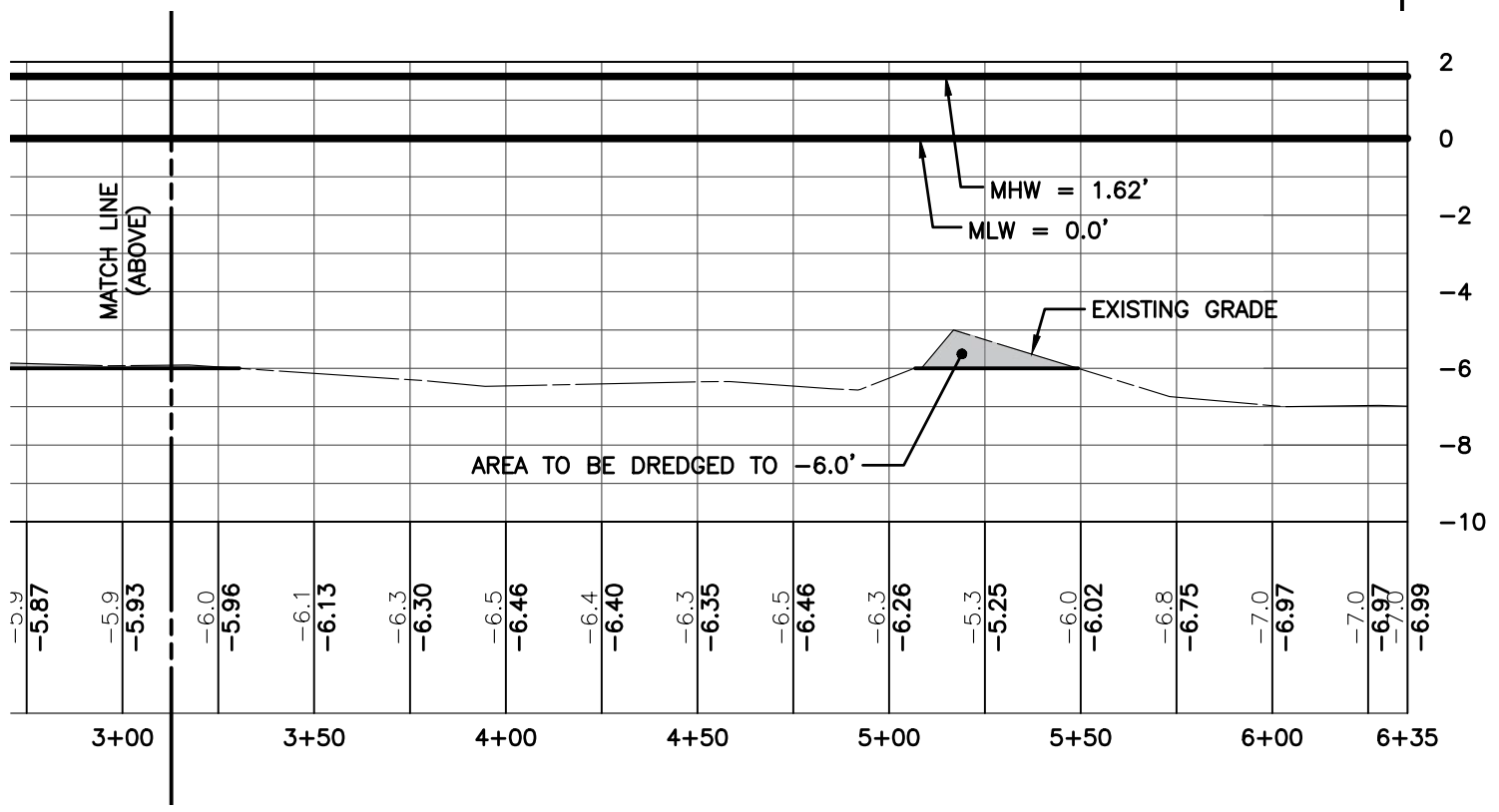
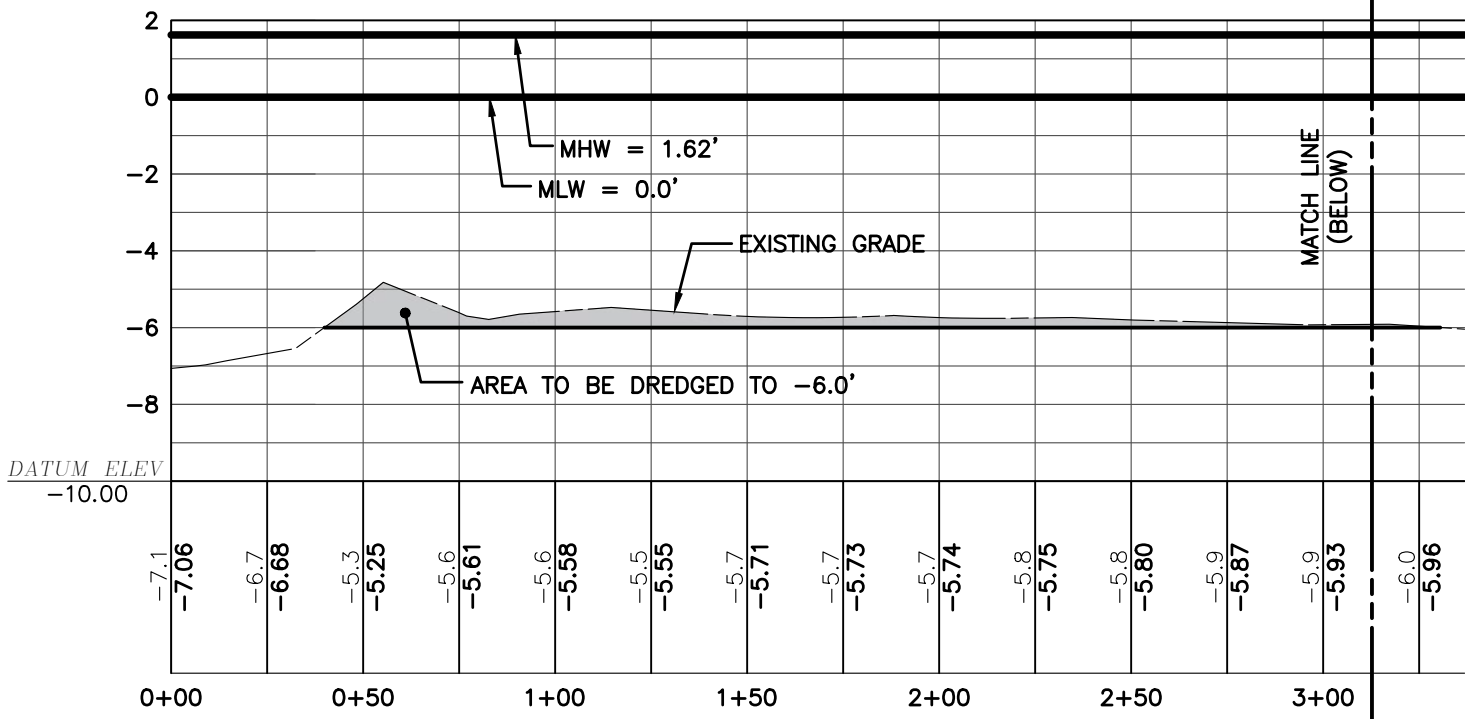
TOTAL AREA TO BE DREDGED: 2,330 SF±/128 CY±



FILE No. 3388  
JOB No. 180007  
SCALE: AS NOTED  
DATE: AS NOTED  
SHEET No.  
**8 OF 13**

**PROPOSED IMPROVEMENTS**  
**PREPARED FOR**  
**TALBOT COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**  
*IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY*  
*TAX MAP 44A, PARCEL 340*

**Lane Engineering, LLC**  
Established 1986  
Civil Engineers • Land Planning • Land Surveyors  
  
E-mail: general@leinc.com  
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**SECTION B**  
 HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 5'


FILE No. 3388  
 JOB No. 180007  
 SCALE: AS NOTED  
 DATE: AS NOTED  
 SHEET No. 10 OF 13

**DETAILS**

PREPARED FOR  
 TALBOT COUNTY  
 DEPARTMENT OF PUBLIC WORKS

IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 340

**Lane Engineering, LLC**  
 Established 1986  
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 117 Bay St. Easton, MD 21601 (410) 822-8003  
 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

TIDAL WETLAND PERMIT DRAWINGS  
 PREPARED FOR  
 TALBOT COUNTY  
 DEPARTMENT OF PUBLIC WORKS  
 IN THE FIFTH ELECTION DISTRICT  
 TALBOT COUNTY, MARYLAND



VICINITY MAP  
 SCALE: 1" = 1,000'

ENGINEER

Lane Engineering, LLC  
 117 BAY STREET  
 EASTON, MARYLAND 21601  
 (410) 822-8003

OWNER

COMMISSIONERS OF TALBOT COUNTY  
 11 N. WASHINGTON STREET  
 EASTON, MD 21601-3195

PROJECT LOCATION

7381 TILGHMAN ISLAND ROAD  
 TILGHMAN ISLAND, MD

DEVELOPER

TALBOT COUNTY  
 DEPARTMENT OF PUBLIC WORKS  
 215 BAY STREET, SUITE #6  
 EASTON, MD 21601

ISSUE FOR:	DATE:	BY:	No.	DATE:	REVISION:	BY:
MDE SUBMITTAL	03/20/18	DSW				
MDE SUBMITTAL	06/20/18	DSW				

FILE No. D173  
 JOB No. 180008  
 SCALE: AS NOTED  
 DATE: AS NOTED  
 SHEET No.  
**1 OF 9**

**TITLE SHEET**  
 PREPARED FOR  
 TALBOT COUNTY  
 DEPARTMENT OF PUBLIC WORKS  
 IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 198

Lane Engineering, LLC  
 Established 1986  
 Civil Engineers • Land Planning • Land Surveyors

E-mail: general@leinc.com  
 117 Bay St. Easton, MD 21601 (410) 822-8003  
 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

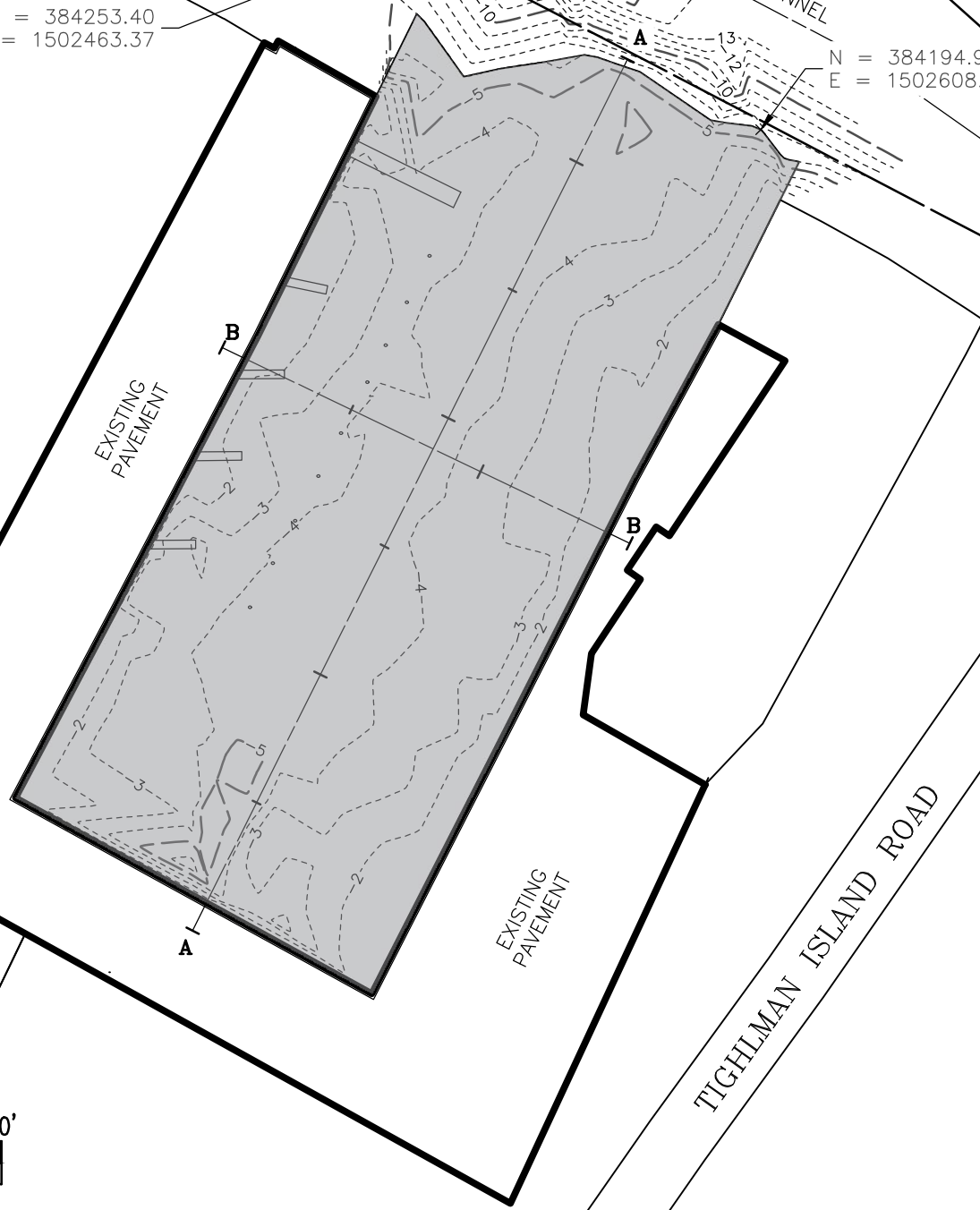
TOTAL LIMITS OF DREDGING: 45,512 SF±/4,364 CY±

AREA TO BE DREDGED TO -6.0'

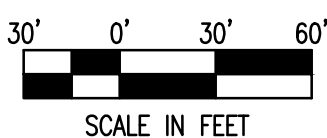
N = 384253.40  
E = 1502463.37

N = 384194.92  
E = 1502608.06

FEDERAL CHANNEL LIMITS (TYP)  
CENTERLINE OF FEDERAL CHANNEL



NAD 83 (CORS)  
MARYLAND STATE PLANE



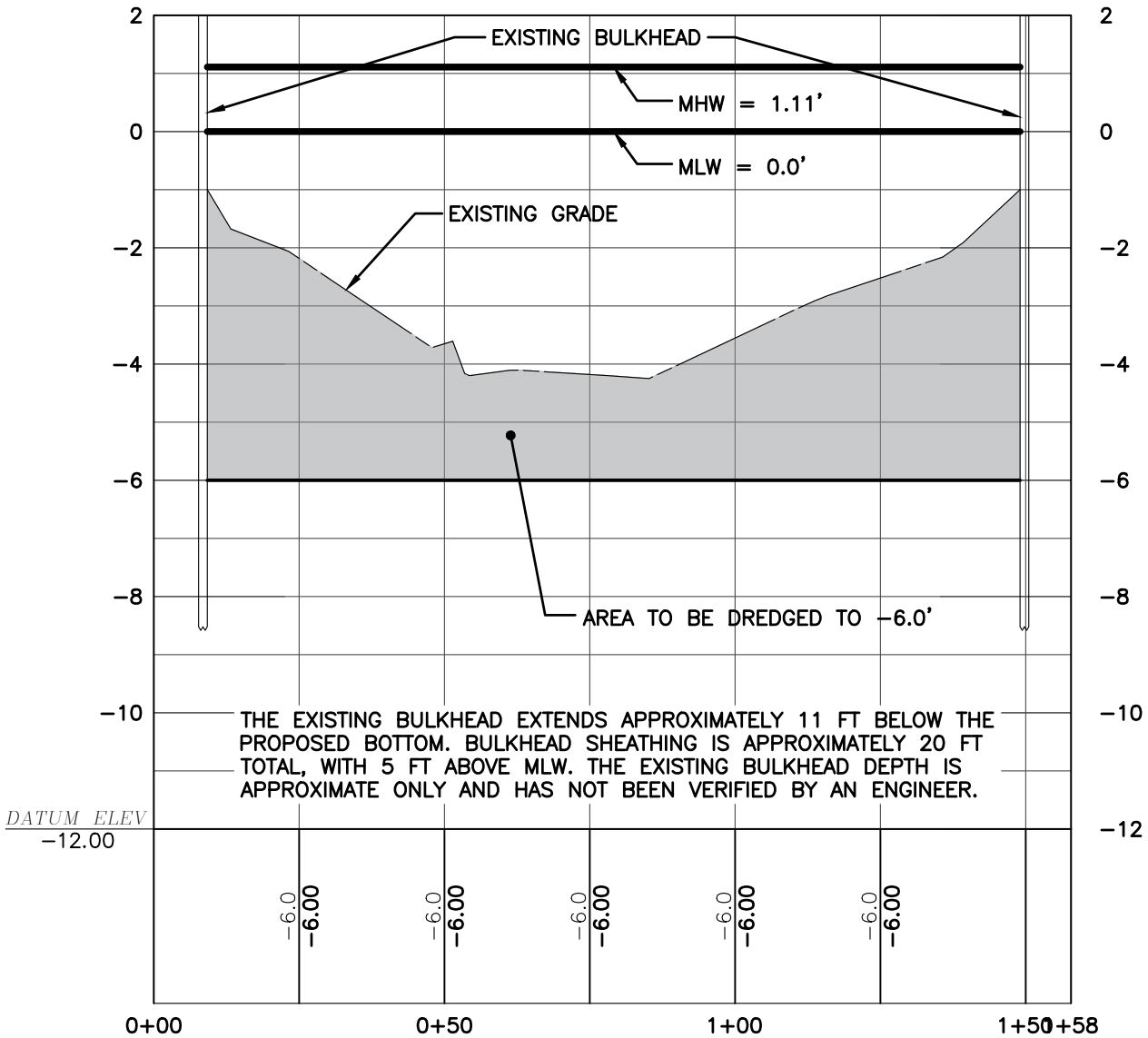
FILE No. D173  
JOB No. 180008  
SCALE: AS NOTED  
DATE: AS NOTED  
SHEET No. 5 OF 9

**PROPOSED CONDITIONS**  
**PREPARED FOR**  
**TALBOT COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**  
*IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY*  
*TAX MAP 44A, PARCEL 198*

**Lane Engineering, LLC**  
Established 1986  
Civil Engineers • Land Planning • Land Surveyors



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354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095



**SECTION B**  
 HORIZONTAL SCALE: 1" = 30'  
 VERTICAL SCALE: 1" = 3'

FILE No. D173  
 JOB No. 180008  
 SCALE: AS NOTED  
 DATE: AS NOTED  
 SHEET No.  
**7 OF 9**

**DETAILS**

PREPARED FOR  
**TALBOT COUNTY**  
**DEPARTMENT OF PUBLIC WORKS**

IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 198

**Lane Engineering, LLC**  
 Established 1986  
 Civil Engineers • Land Planning • Land Surveyors

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 117 Bay St. Easton, MD 21601 (410) 822-8003  
 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095

DMP SITE



SHEET 7

SHEET 6

SHEET 5

SHEET 4

KNAPPS NARROWS  
FEDERAL CHANNEL

PERMIT #18-WL-0400  
TRACKING #201860663

PERMIT #18-WL-0397  
TRACKING #201860660

PERMIT #18-WL-0396  
TRACKING #201860659

PERMIT #18-WL-0395  
TRACKING #201860658

PERMIT #18-WL-0394  
TRACKING #201860657

PERMIT #18-WL-0399  
TRACKING #201860662

PERMIT #18-WL-0398  
TRACKING #201860661

SHEET 3

KNAPPS NARROWS  
FEDERAL CHANNEL

DOGWOOD HARBOR  
FEDERAL CHANNEL

### VICINITY MAP

SCALE: 1" = 2,000'

#### DREDGE MATERIAL PLACEMENT SITE

TAX MAP 38, PARCEL 9 & 43  
21579 DONNELL JONES ROAD  
SHERWOOD, MD 21665

#### OWNER

DOUGLAS J. RAYMOND, JR.  
LISA E. JONES-RAYMOND  
21455 DONNELL JONES RD  
SHERWOOD, MD 21665



### HYDRAULIC PIPE ROUTE OVERVIEW

PREPARED FOR  
KNAPPS NARROWS & DOGWOOD HARBOR  
DREDGING PROJECTS

IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
TAX MAP 44A, PARCEL 1 (LOTS 55-57), 153, 155, 198, 340

### Lane Engineering, LLC

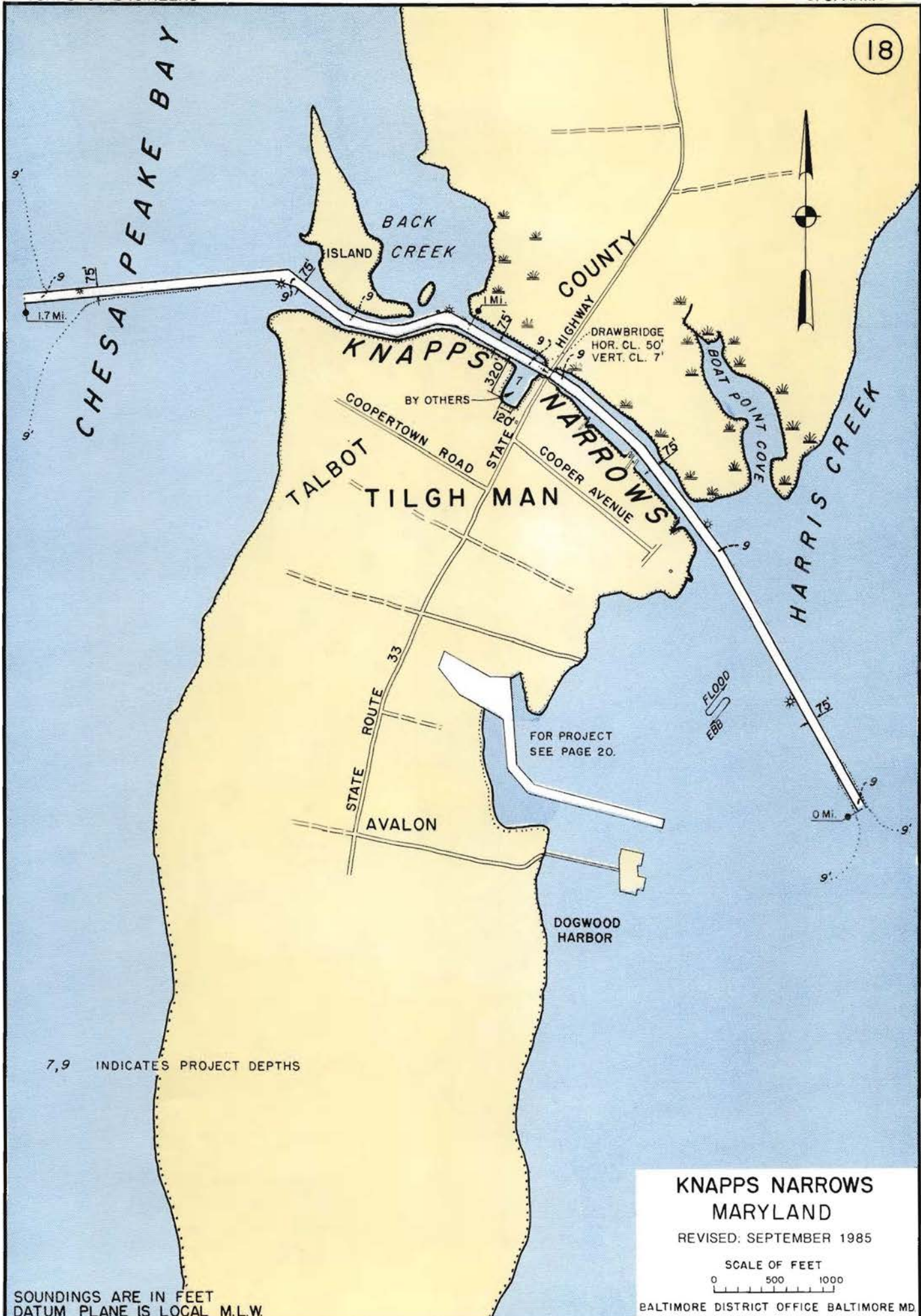
Established 1986  
Civil Engineers • Land Planning • Land Surveyors



E-mail: general@leinc.com  
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15 Washington St. Cambridge, MD 21613 (410) 221-0818  
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FILE No. 3388
JOB No. 180007
SCALE: AS NOTED
DATE: AS NOTED
SHEET No. 2



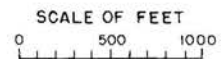


7,9 INDICATES PROJECT DEPTHS

SOUNDINGS ARE IN FEET  
DATUM PLANE IS LOCAL M.L.W.

### KNAPPS NARROWS MARYLAND

REVISED: SEPTEMBER 1985



BALTIMORE DISTRICT OFFICE BALTIMORE MD





**VICINITY MAP**

SCALE: 1" = 1,000'

**DREDGE MATERIAL PLACEMENT SITE**

TAX MAP 38, PARCEL 9 & 43  
 21579 DONNELL JONES ROAD  
 SHERWOOD, MD 21665

**OWNER**

DOUGLAS J. RAYMOND, JR.  
 LISA E. JONES-RAYMOND  
 21455 DONNELL JONES RD  
 SHERWOOD, MD 21665

**DREDGE MATERIAL PLACEMENT SITE**  
**ON THE LANDS OF**  
**THOMAS F. GEARY & JILL KHADDURI**  
**TILGHMAN, MARYLAND**  
 IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY  
 TAX MAP 44A, PARCEL 1, LOT 56

**Lane Engineering, LLC**

Established 1986  
 Civil Engineers • Land Planning • Land Surveyors



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 15 Washington St. Cambridge, MD 21613 (410) 221-0818  
 354 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2095

SHEET No. 7 OF 7  
 DATE: AS NOTED  
 SCALE: AS NOTED  
 JOB No. 180020  
 FILE No. 1066