



Public Notice

U.S. Army Corps
of Engineers
Baltimore District

In Reply to Application Numbers
NAB-2018-60660-P06 (Brookhouser, Lynn & Debra/Dredging & Bulkhead)
NAB-2018-60659-P06 (Geary, Thomas/Dredging)
NAB-2018-60658-P06 (Ebel, Robert/Dredging)

PN-18-36

Comment Period: June 21, 2018 to July 21, 2018

THE PURPOSE OF THIS PUBLIC NOTICE IS TO SOLICIT COMMENTS FROM THE PUBLIC REGARDING THE WORK DESCRIBED BELOW. 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

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

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

WATERWAY AND LOCATION OF THE PROPOSED WORK: The proposed work is located below the mean high water line of Knapps Narrows where three residences on Camper Circle border the waterway in Tilghman, Talbot County, Maryland.

PROPOSED WORK AND PURPOSE: The proposed work includes dredging three entrance channels by either mechanical or hydraulic dredging, and the replacement of an existing bulkhead on the Brookhouser property. The dredged material will be deposited at an upland disposal site at the Donnell Jones Road disposal site, located in Sherwood, Maryland. Areas of proposed impact are as follows:

Brookhouser Property: Approximately 75-90 feet wide (width varies), 53 feet long, 3,979 square feet, 8 feet deep, resulting in removal of 666 cubic yards of sediment and replacement of an existing bulkhead measuring 75 feet wide and 1.5 feet wide (channelward measurement). The proposed bulkhead impacts are within the limit-of-disturbance for the dredging;

Geary Property: Approximately 60-75 feet wide (width varies), 39 feet long, 3,400 square feet, 8 feet deep, resulting in removal of 524 cubic yards of sediment; and

Ebel Property: Approximately 60-75 feet wide (width varies), 45 feet long, 3,383 square feet, 8 feet deep, resulting in removal of 425 cubic yards of sediment.

The purpose of the project is to improve access to a navigation channel for the three properties and replacing existing bank stabilization on the Brookhouser property. All work is proposed to be completed in accordance with the enclosed plans.

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 21201 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 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 windowpane flounder (*Scophthalmus aquosus*) juvenile and adult; blue fish (*Pomatomus saltatrix*) juvenile and adult; summer flounder (*Paralichthys dentatus*) juvenile and adult; and egg, larvae, juvenile and adult stages of red drum (*Sciaenops ocellatus*), king mackerel (*Scomberomorus cavalla*), spanish mackerel (*Scomberomorus maculatus*), and cobia (*Rachycentron canadum*), all managed species under the MSFCMA.

The projects have the potential to adversely affect 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 area. The Baltimore District has made a preliminary determination that site-specific impacts would not be substantial and an abbreviated consultation will be conducted with National Marine Fisheries Service. 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/Pennsylvania Department of Environmental Protection. 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 Program. By this public notice, we are requesting the state concurrence or objection to the applicants' consistency statements. It should be noted that the Coastal Zone Management 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.

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. As the evaluation of these applications continue, 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 permits.

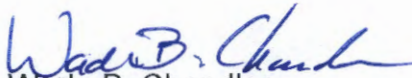
The evaluation of the impacts of these projects on the public interest will include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404 of the Clean Water Act.

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.

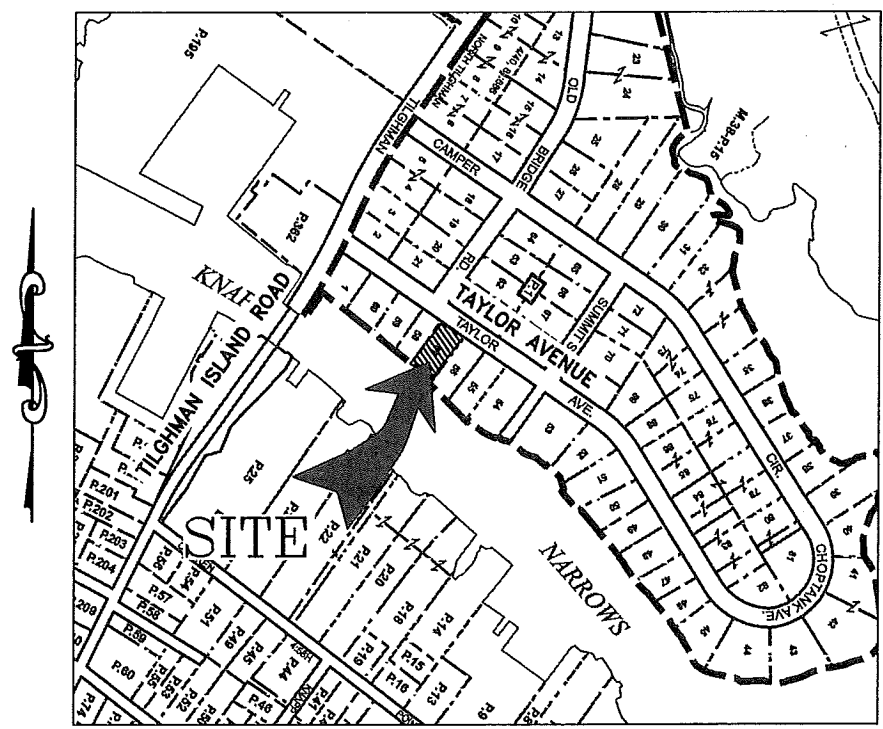
It is requested that you communicate this information concerning the proposed work to any persons known by you to be interested and not being known to this office, who did not receive a copy of this notice.

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:


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



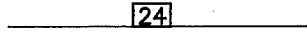
PROJECT LOCATION
 21756 CAMPER CIRCLE
 TILGHMAN, MD 21671

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

SHEET No. 1 OF 7	TITLE SHEET 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. Centerville, MD 21617 (410) 758-2095
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LEGEND & ABBREVIATIONS

MLW MEAN LOW WATER
 MHW MEAN HIGH WATER
 TYP TYPICAL

PROPERTY LINE 
 EXISTING CONTOUR LINE  -24-
 PROPOSED CONTOUR LINE  [24]

MHHW = 1.33

MHW = 1.11

MSL = 0.56

MLW = 0.00

MLLW = -0.21

NAVD 88 = 0.71

NGVD 29 = -0.05

PROJECT NOTES:

1. TIDAL DATUM, I.E. MEAN LOW WATER ELEVATION, IS ESTIMATED FROM ENVIRONMENTAL INDICATORS SUCH AS RACK LINES, WATER MARKS, PLANT COMMUNITY COMPOSITIONS.
2. UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN HEREIN ARE REFERENCED TO MEAN LOW WATER (MLW) = 0.0'.
3. MEAN TIDAL RANGE = 1.11'
4. LOT SIZE = 0.23 AC±
5. LOT DEPTH = 135'±
6. LOT WIDTH AT SHORELINE = 75'±
7. DISTANCE TO CHANNEL CENTERLINE = 127'±
8. MAXIMUM CHANNELWARD ENCROACHMENT = DREGGING: 53'±
BULKHEAD: 1.5'±
9. ZONING CLASSIFICATION = VC (VILLAGE CENTER)
10. 911 ADDRESS = 21756 CAMPER CIRCLE TILGHMAN, MD 21671

VERTICAL DATUM COMPARISON CHART

SCALE: 1"=1'

NOTE: MEAN LOW WATER (MLW) AND RELATIVE TIDAL INFORMATION WAS OBTAINED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND THE NATIONAL OCEANIC SERVICE (NOS) AND ARE BASED UPON TIDAL BENCH MARK POPLAR ISLAND (STATION ID: 8575512) TIDAL EPOCH 1983-2001.

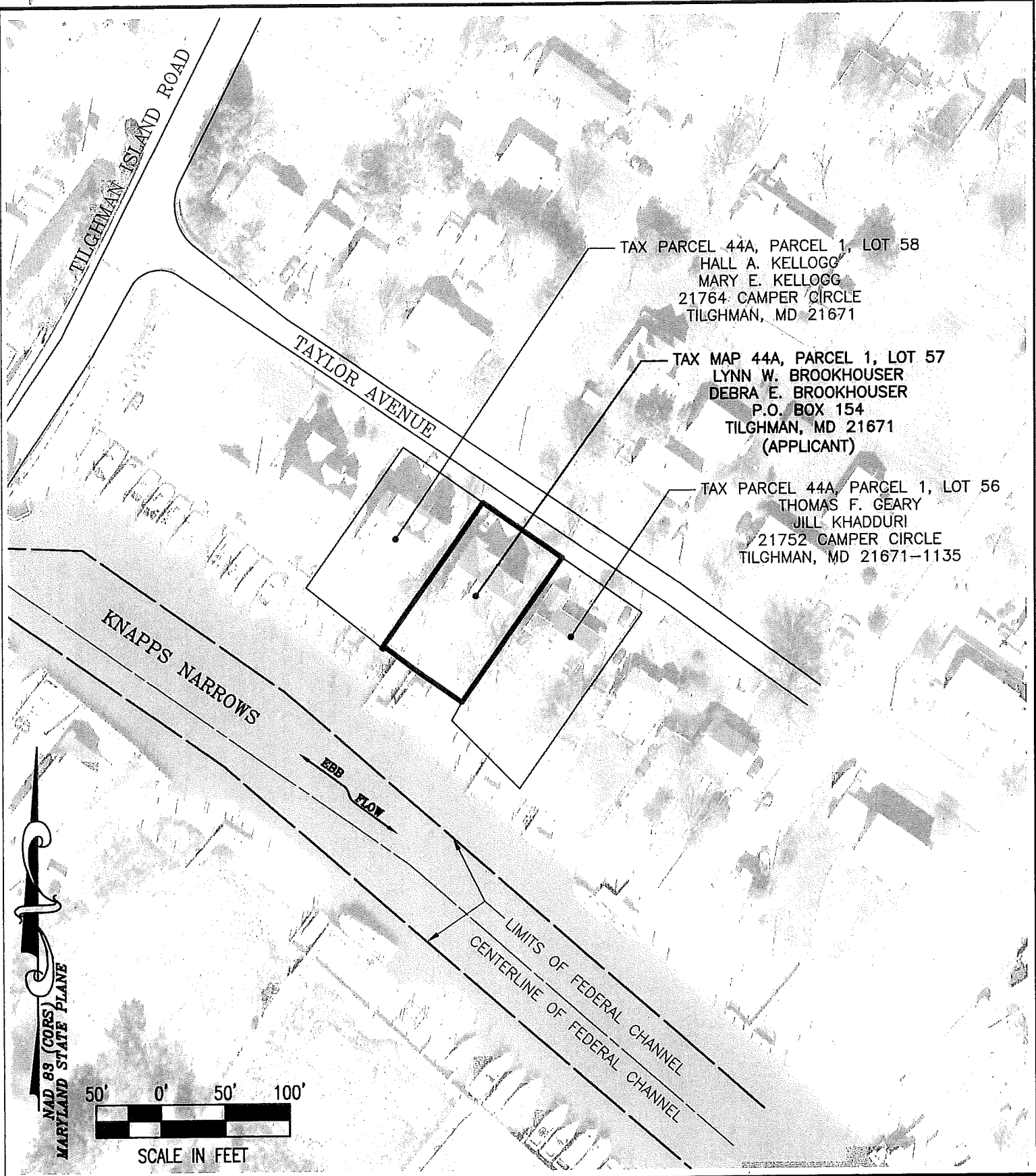
AT THE APPLICANT'S REQUEST, THE PROPERTY LINE INFORMATION SHOWN HEREON, WITH LATERAL LINES, SETBACKS AND SHORELINE ARE TAKEN FROM GENERAL MAPS, DEED, PLAT, SITE SKETCH AND AERIAL PHOTO INTERPRETATION. A PROPERTY LINE SURVEY WAS NOT PERFORMED. THESE MAPS ARE BELIEVED TO BE THE BEST, READILY AVAILABLE SOURCE OF INFORMATION FOR MARINE PERMITTING PURPOSES. A DETAILED ONSITE SURVEY FOR THE PURPOSE OF ACCURATELY DETERMINING EXISTING FEATURES INCLUDING PROPERTY LINES, SHORELINES, EXISTING PIERS AND OTHER STRUCTURES HAS NOT BEEN COMPLETED. LANE ENGINEERING IS NOT RESPONSIBLE FOR ANY INACCURACIES ASSOCIATED WITH THE LOCATION OF ABOVE REFERENCED EXISTING FEATURES AND RELATED LATERAL LINES, SETBACKS, ETC. THIS SKETCH IS FOR PERMIT PURPOSES ONLY AND IS NOT TO BE USED AS AN ACCURATE CONSTRUCTION DOCUMENT. SOUNDINGS SHOWN HEREON IN THE AREA OF THE EXISTING PIER WERE FIELD SHOT BY LANE ENGINEERING, LLC IN FEBRUARY, 2018. SOUNDINGS SHOWN HEREON IN THE AREA OF THE FEDERAL CHANNEL WERE TAKEN FROM A US ARMY CORPS OF ENGINEERS SURVEY DATED MARCH 25, 2015. BOTH LANE ENGINEERING SOUNDINGS AND ARMY CORPS SOUNDINGS HAVE BEEN ADJUSTED ACCORDING TO POPLAR ISLAND MLW = 0 BENCHMARK.

FILE No. 1066
 JOB No. 180014
 SCALE: AS NOTED
 DATE: AS NOTED
 SHEET No. 2 OF 7

SITE & PROJECT NOTES
 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@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

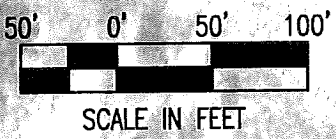


TAX PARCEL 44A, PARCEL 1, LOT 58
 HALL A. KELLOGG
 MARY E. KELLOGG
 21764 CAMPER CIRCLE
 TILGHMAN, MD 21671

TAX MAP 44A, PARCEL 1, LOT 57
 LYNN W. BROOKHOUSER
 DEBRA E. BROOKHOUSER
 P.O. BOX 154
 TILGHMAN, MD 21671
 (APPLICANT)

TAX PARCEL 44A, PARCEL 1, LOT 56
 THOMAS F. GEARY
 JILL KHADDURI
 21752 CAMPER CIRCLE
 TILGHMAN, MD 21671-1135

NAD 83 (CORS)
 MARYLAND STATE PLANE



SHEET No.
3 OF 7

DATE: AS NOTED

SCALE: AS NOTED

JOB No. 180014

FILE No. 1066


SITE OVERVIEW

**ON THE LANDS OF
 LYNN W. BROOKHOUSER &
 DEBRA E. BROOKHOUSER**

**IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY
 TAX MAP 44A, PARCEL 1, LOT 57**

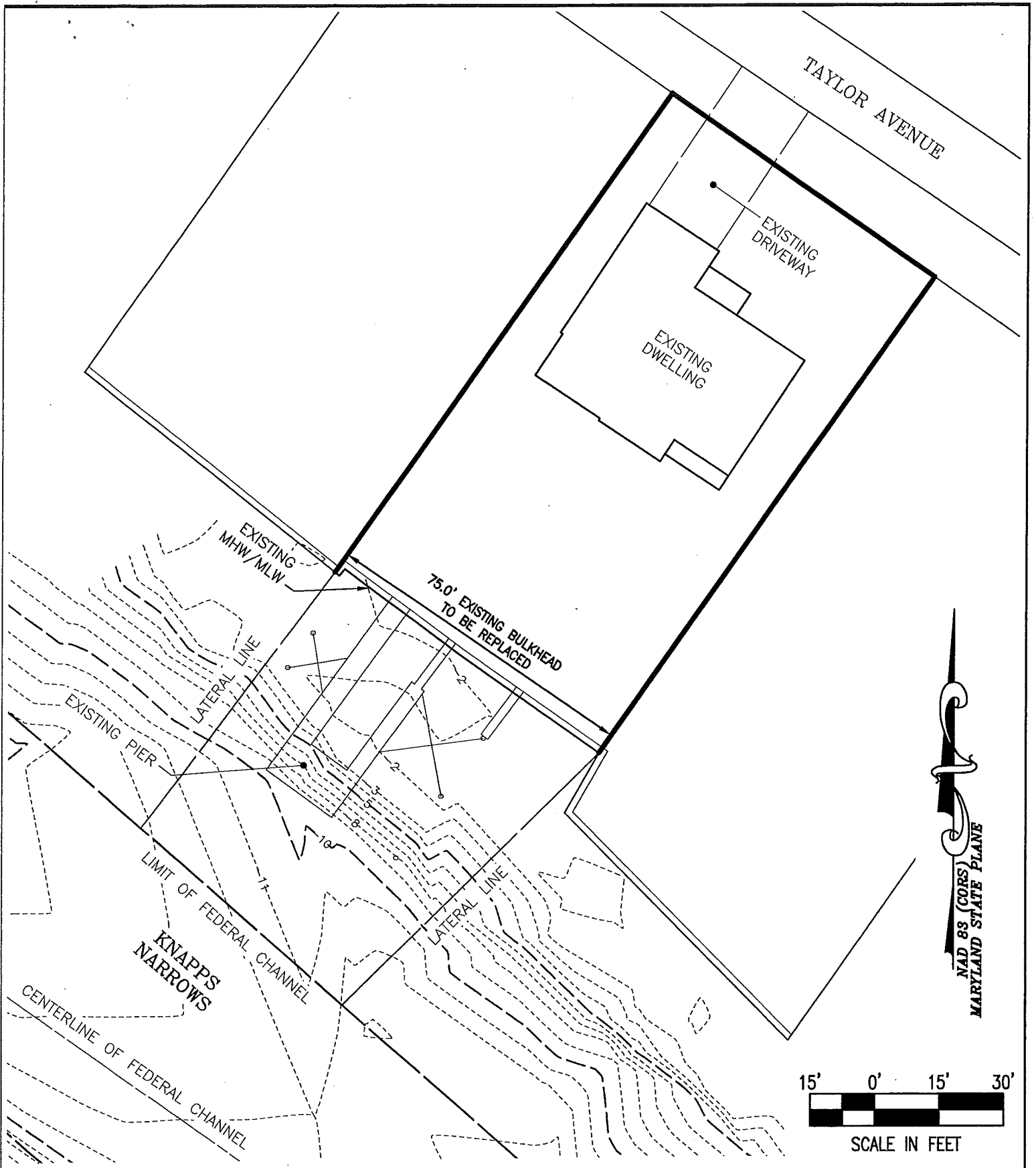
Lane Engineering, LLC

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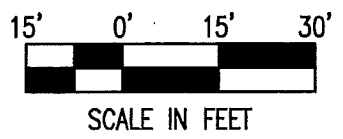


E-mail: general@leinc.com
 117 Bay St. Easton, MD 21801 (410) 822-8003
 15 Washington St. Cambridge, MD 21613 (410) 221-0818
 354 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2095

© LANE ENGINEERING, LLC



NAD 83 (GORS)
 MARYLAND STATE PLANE



SHEET No. **4 OF 7**
 DATE: AS NOTED
 SCALE: AS NOTED
 JOB No. 180014
 FILE No. 1066

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

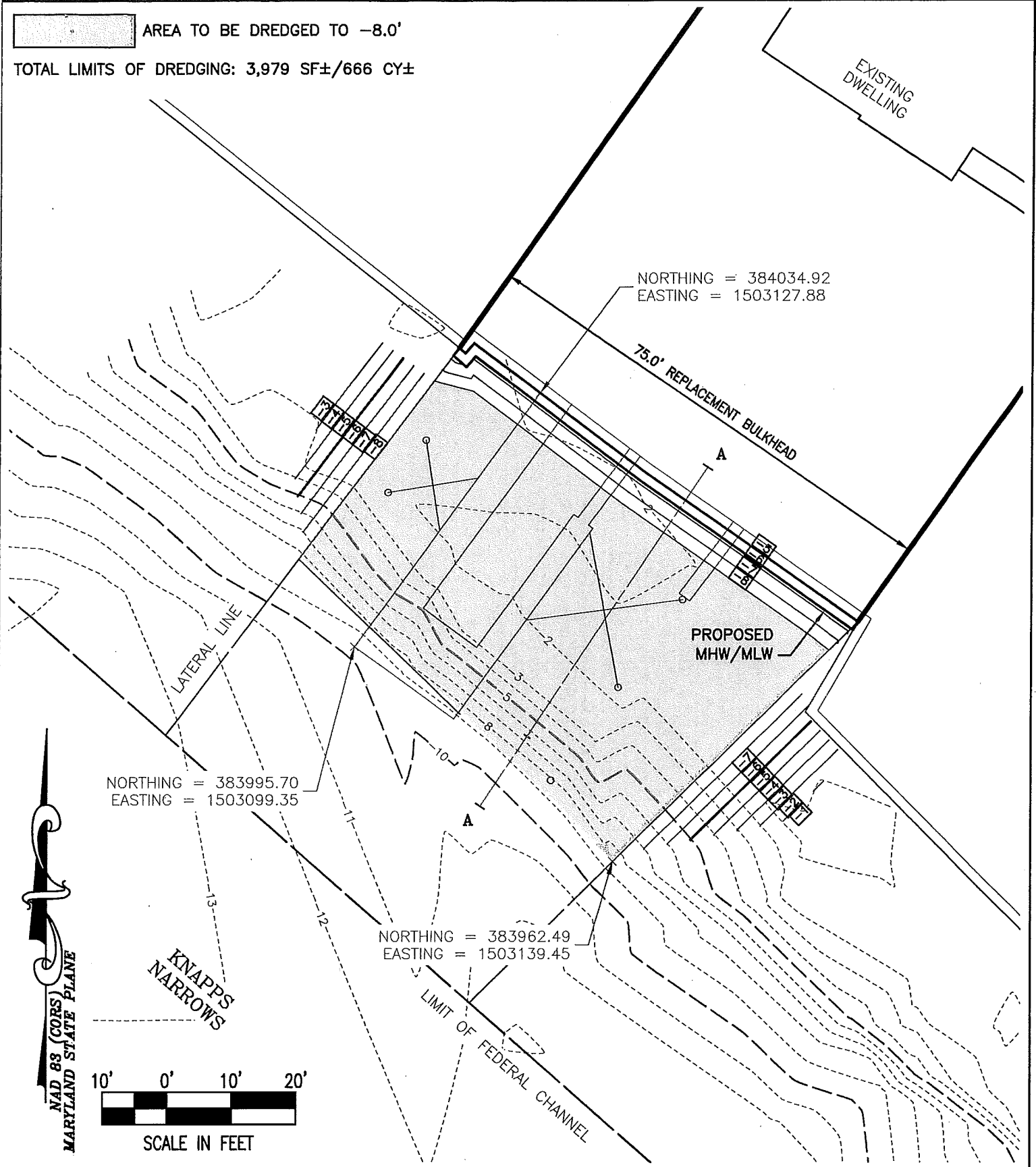
Lane Engineering, LLC
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 15 Washington St. Cambridge, MD 21613 (410) 221-0818
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AREA TO BE DREDGED TO -8.0'

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

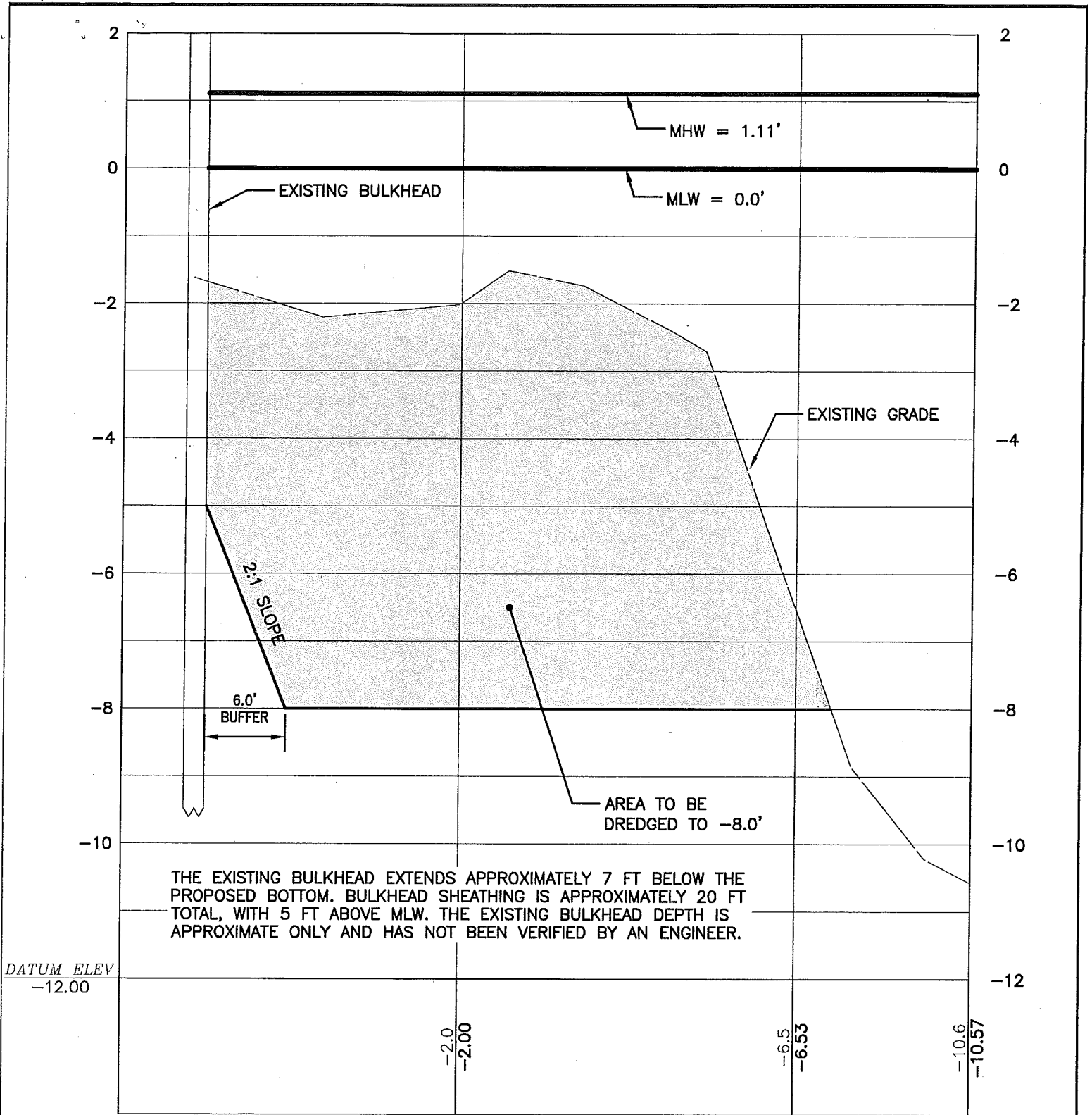


FILE No. 1066
 JOB No. 180014
 SCALE: AS NOTED
 DATE: AS NOTED
 SHEET No. 5 OF 7

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

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



SECTION A

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

DATE: AS NOTED
 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

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



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

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

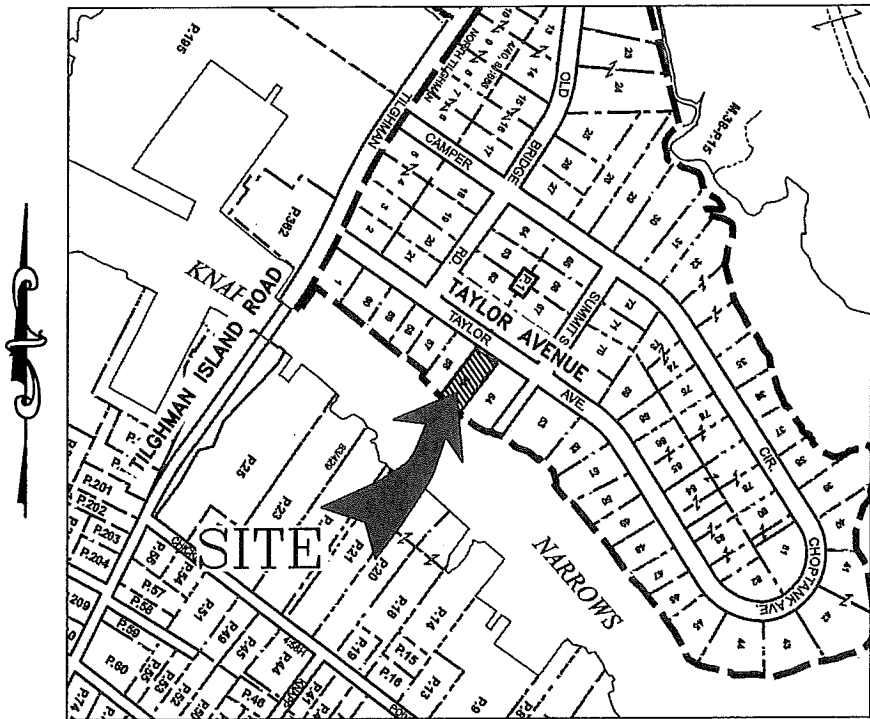
DREDGE MATERIAL PLACEMENT SITE
 ON THE LANDS OF
**LYNN W. BROOKHOUSER &
 DEBRA E. BROOKHOUSER**
 IN THE FIFTH ELECTION DISTRICT, TALBOT COUNTY
 TAX MAP 44A, PARCEL 1, LOT 57

Lane Engineering, LLC
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 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

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


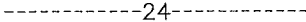
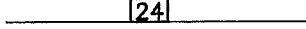
21748 CAMPER CIRCLE
 TILGHMAN, MD 21671

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

SHEET No. 1 OF 7	TITLE SHEET 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
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LEGEND & ABBREVIATIONS

MLW MEAN LOW WATER
 MHW MEAN HIGH WATER
 TYP TYPICAL

PROPERTY LINE 
 EXISTING CONTOUR LINE 
 PROPOSED CONTOUR LINE 

MHHW = 1.33

MHW = 1.11

MSL = 0.56

MLW = 0.00

MLLW = -0.21

NAVD 88 = 0.71

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3. MEAN TIDAL RANGE = 1.11'
4. LOT SIZE = 0.33 AC±
5. LOT DEPTH = 178'±
6. LOT WIDTH AT SHORELINE = 83'±
7. DISTANCE TO CHANNEL CENTERLINE = 98'±
8. MAXIMUM CHANNELWARD ENCROACHMENT = 45'±
9. ZONING CLASSIFICATION = VC (VILLAGE CENTER)
10. 911 ADDRESS = 21748 CAMPER CIRCLE TILGHMAN, MD 21671

VERTICAL DATUM COMPARISON CHART

SCALE: 1"=1'

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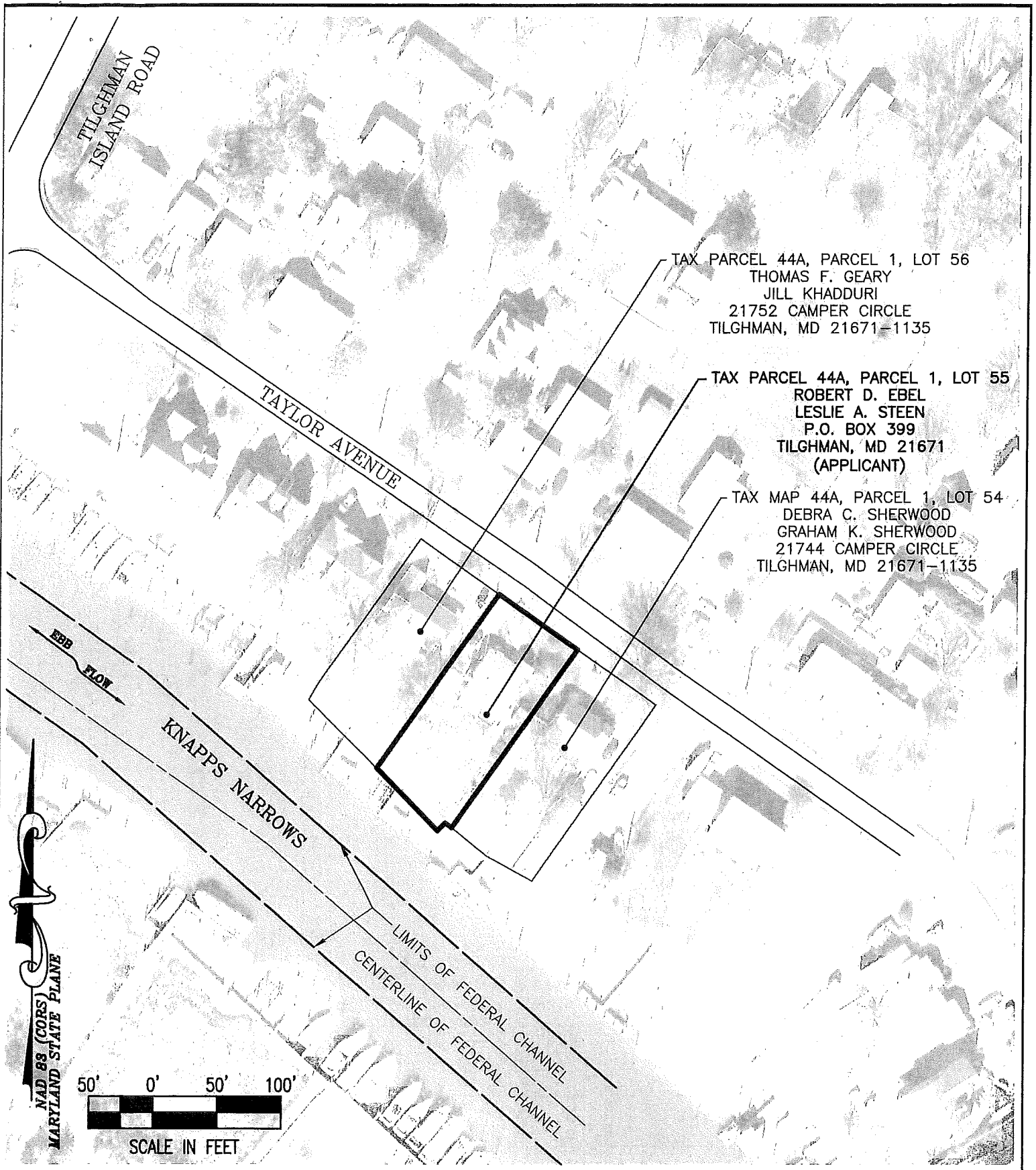
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FILE No. 1066
 JOB No. 180041
 SCALE: AS NOTED
 DATE: AS NOTED
 SHEET No. 2 OF 7

SITE & PROJECT NOTES
 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
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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



SITE OVERVIEW

**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**

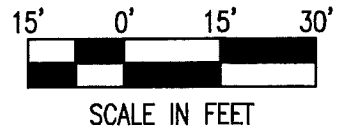
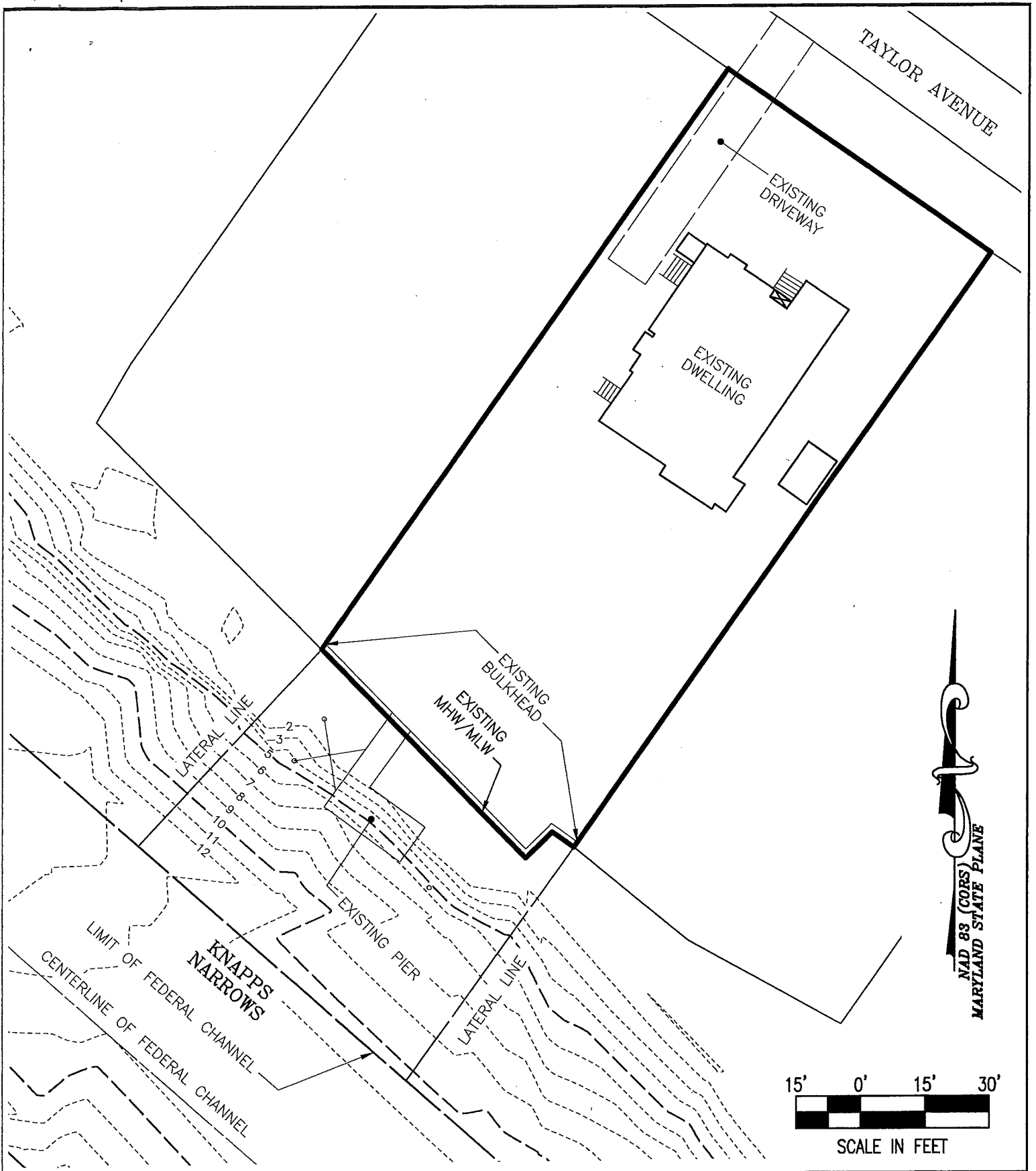
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FILE No. 1066
 JOB No. 180041
 SCALE: AS NOTED
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 SHEET No. 3 OF 7



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

EXISTING CONDITIONS
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

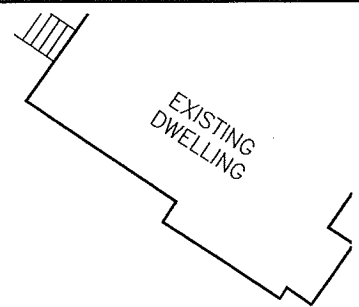
Lane Engineering, LLC
 Established 1986
 Civil Engineers • Land Planning • Land Surveyors


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



AREA TO BE DREDGED TO -8.0'

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



EXISTING DWELLING

NORTHING = 383917.64
EASTING = 1503238.38

EXISTING BULKHEAD
EXISTING MHW/MLW

LATERAL LINE

NORTHING = 383895.69
EASTING = 1503222.43

EXISTING PIER

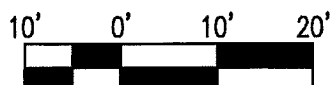
KNAPPS NARROWS

LIMIT OF FEDERAL CHANNEL

CENTERLINE OF FEDERAL CHANNEL

LATERAL LINE

NORTHING = 383849.24
EASTING = 1503254.29



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

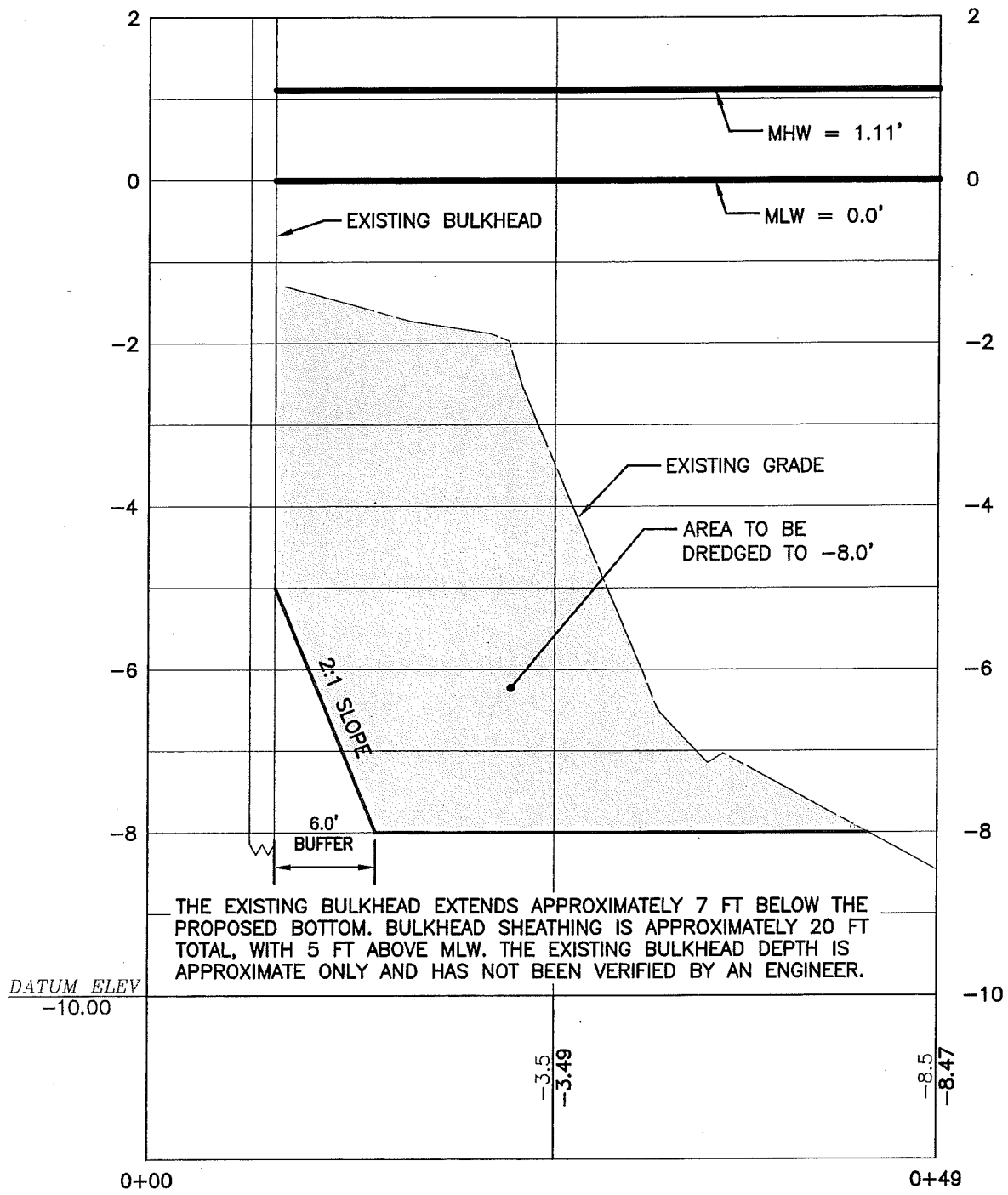
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SHEET No.
5 OF 7

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**

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



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

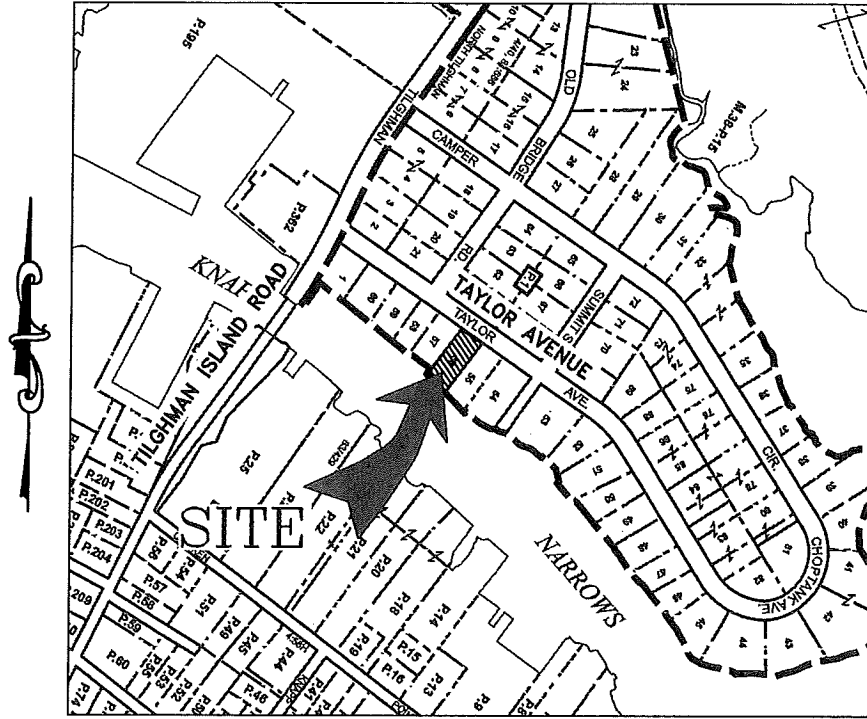
FILE No. 1066
 JOB No. 180041
 SCALE: AS NOTED
 DATE: AS NOTED
 SHEET No. 7 OF 7

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

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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



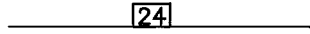
21752 CAMPER CIRCLE
 TILGHMAN, MD 21671-1135

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

SHEET No. 1 OF 7	TITLE SHEET 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@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
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LEGEND & ABBREVIATIONS

MLW MEAN LOW WATER
 MHW MEAN HIGH WATER
 TYP TYPICAL

PROPERTY LINE 
 EXISTING CONTOUR LINE  -24-
 PROPOSED CONTOUR LINE  [24]

MHHW = 1.33

MHW = 1.11

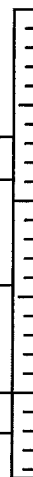
MSL = 0.56

MLW = 0.00

MLLW = -0.21

NAVD 88 = 0.71

NGVD 29 = -0.05



PROJECT NOTES:

1. TIDAL DATUM, I.E. MEAN LOW WATER ELEVATION, IS ESTIMATED FROM ENVIRONMENTAL INDICATORS SUCH AS RACK LINES, WATER MARKS, PLANT COMMUNITY COMPOSITIONS.
2. UNLESS OTHERWISE NOTED, ELEVATIONS SHOWN HEREIN ARE REFERENCED TO MEAN LOW WATER (MLW) = 0.0'.
3. MEAN TIDAL RANGE = 1.11'
4. LOT SIZE = 0.34 AC±
5. LOT DEPTH = 162'±
6. LOT WIDTH AT SHORELINE = 91'±
7. DISTANCE TO CHANNEL CENTERLINE = 104'±
8. MAXIMUM CHANNELWARD ENCROACHMENT = 39'±
9. ZONING CLASSIFICATION = VC (VILLAGE CENTER)
10. 911 ADDRESS = 21752 CAMPER CIRCLE TILGHMAN, MD 21671

VERTICAL DATUM COMPARISON CHART

SCALE: 1"=1'

NOTE: MEAN LOW WATER (MLW) AND RELATIVE TIDAL INFORMATION WAS OBTAINED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND THE NATIONAL OCEANIC SERVICE (NOS) AND ARE BASED UPON TIDAL BENCH MARK POPLAR ISLAND (STATION ID: 8575512) TIDAL EPOCH 1983-2001.

AT THE APPLICANT'S REQUEST, THE PROPERTY LINE INFORMATION SHOWN HEREON, WITH LATERAL LINES, SETBACKS AND SHORELINE ARE TAKEN FROM GENERAL MAPS, DEED, PLAT, SITE SKETCH AND AERIAL PHOTO INTERPRETATION. A PROPERTY LINE SURVEY WAS NOT PERFORMED. THESE MAPS ARE BELIEVED TO BE THE BEST, READILY AVAILABLE SOURCE OF INFORMATION FOR MARINE PERMITTING PURPOSES. A DETAILED ONSITE SURVEY FOR THE PURPOSE OF ACCURATELY DETERMINING EXISTING FEATURES INCLUDING PROPERTY LINES, SHORELINES, EXISTING PIERS AND OTHER STRUCTURES HAS NOT BEEN COMPLETED. LANE ENGINEERING IS NOT RESPONSIBLE FOR ANY INACCURACIES ASSOCIATED WITH THE LOCATION OF ABOVE REFERENCED EXISTING FEATURES AND RELATED LATERAL LINES, SETBACKS, ETC. THIS SKETCH IS FOR PERMIT PURPOSES ONLY AND IS NOT TO BE USED AS AN ACCURATE CONSTRUCTION DOCUMENT. SOUNDINGS SHOWN HEREON IN THE AREA OF THE EXISTING PIER WERE FIELD SHOT BY LANE ENGINEERING, LLC IN FEBRUARY, 2018. SOUNDINGS SHOWN HEREON IN THE AREA OF THE FEDERAL CHANNEL WERE TAKEN FROM A US ARMY CORPS OF ENGINEERS SURVEY DATED MARCH 25, 2015. BOTH LANE ENGINEERING SOUNDINGS AND ARMY CORPS SOUNDINGS HAVE BEEN ADJUSTED ACCORDING TO POPLAR ISLAND MLW = 0 BENCHMARK.

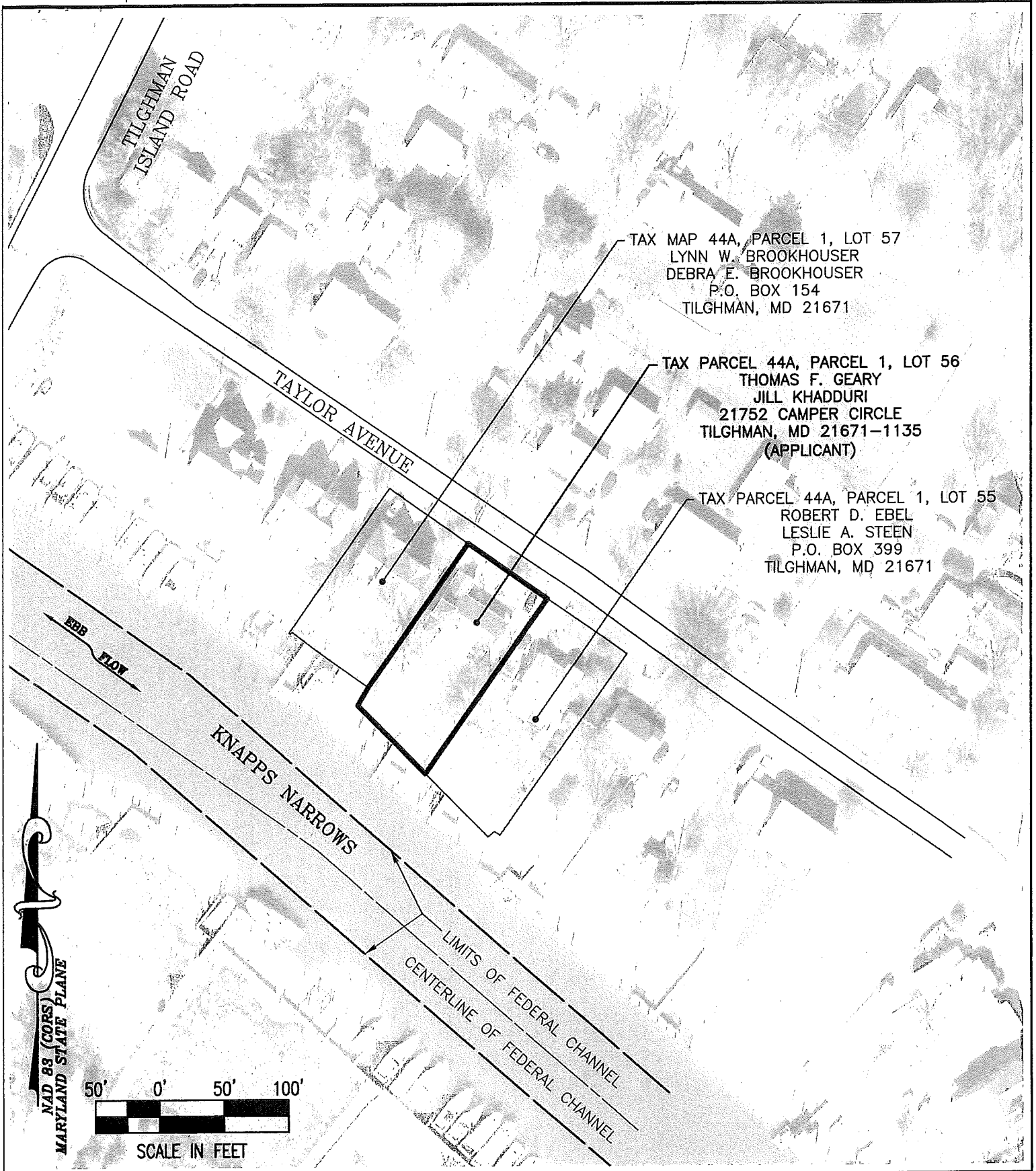
FILE No. 1066
 JOB No. 180020
 SCALE: AS NOTED
 DATE: AS NOTED
 SHEET No. 2 OF 7

SITE & PROJECT NOTES
 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

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SITE OVERVIEW

**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**

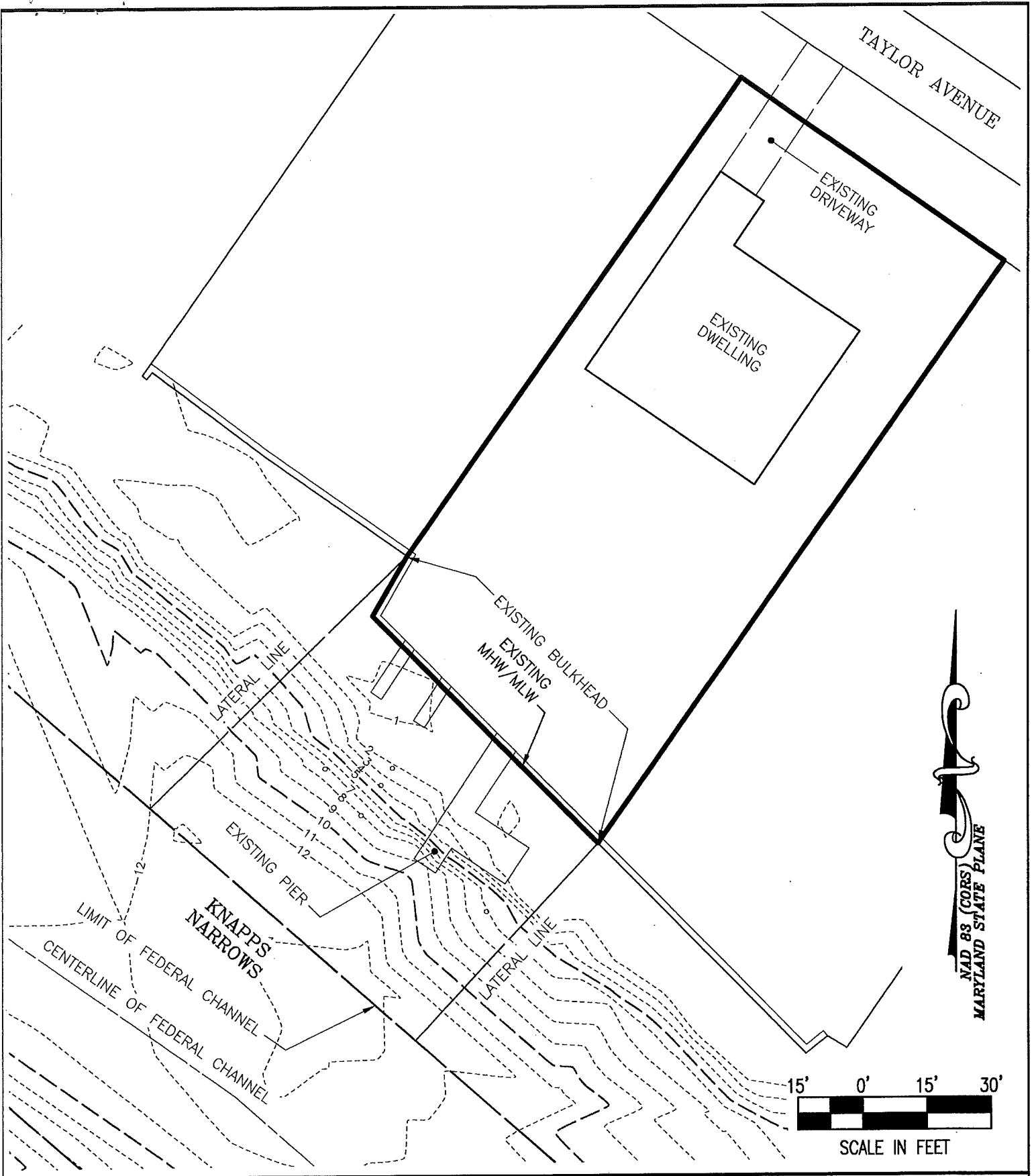
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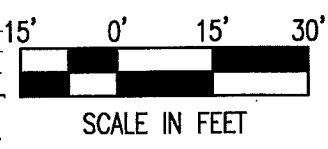


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FILE No. 1066
 JOB No. 180020
 SCALE: AS NOTED
 DATE: AS NOTED
 SHEET No. 3 OF 7




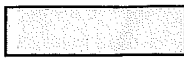
NAD 83 (GORS)
 MARYLAND STATE PLANE



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

EXISTING CONDITIONS
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

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AREA TO BE DREDGED TO -8.0'

TOTAL LIMITS OF DREDGING: 3,400 SF±/524 CY±

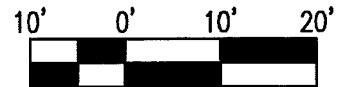
EXISTING DWELLING

NORTHING = 383979.94
EASTING = 1503176.78

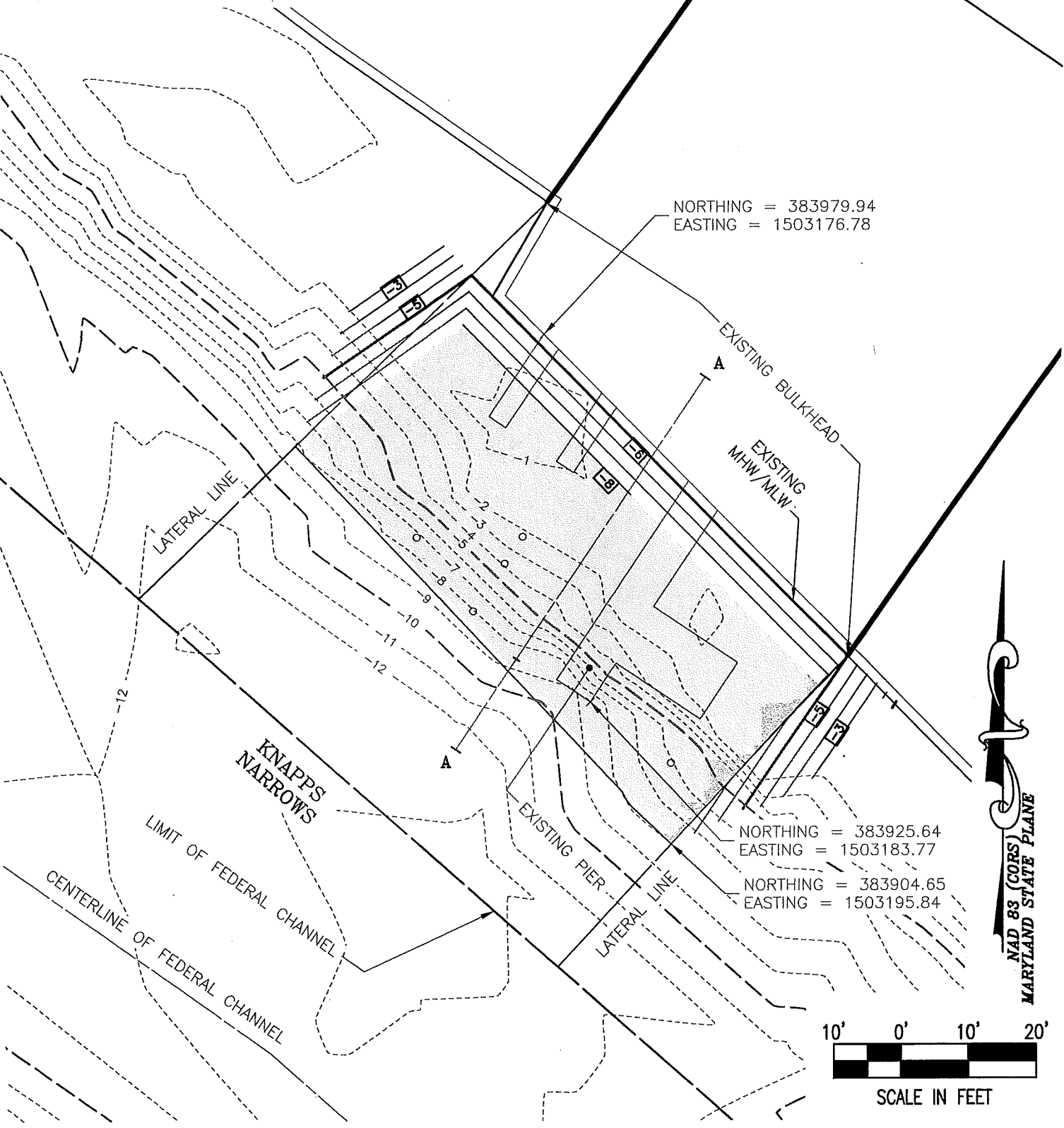
EXISTING BULKHEAD
EXISTING MHW/MLW

NORTHING = 383925.64
EASTING = 1503183.77

NORTHING = 383904.65
EASTING = 1503195.84



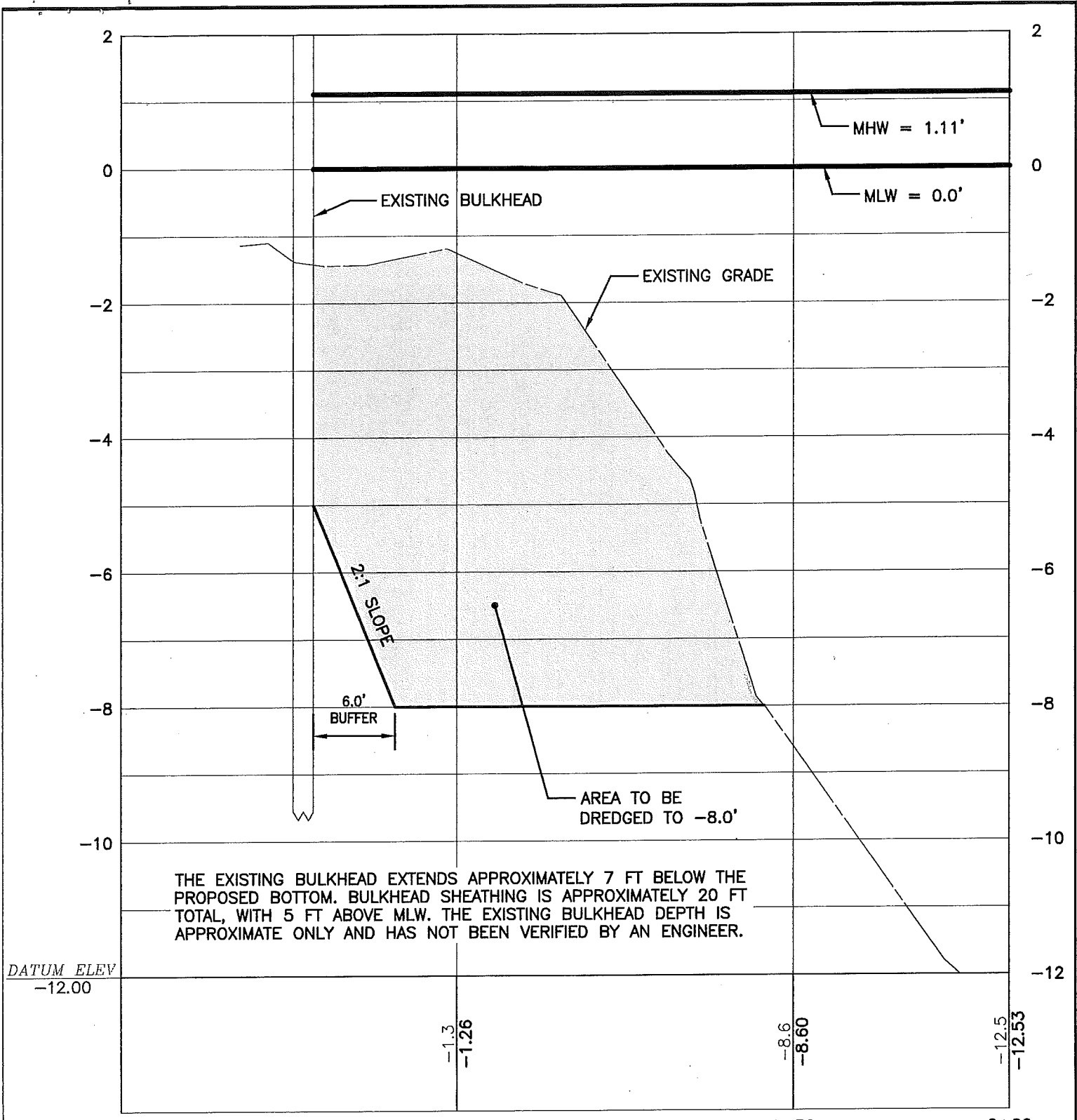
SCALE IN FEET



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

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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

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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

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