



Maryland
Department of
the Environment

Larry Hogan, Governor
Boyd K. Rutherford, Lt. Governor

Ben Grumbles, Secretary
Horacio Tablada, Deputy Secretary

September 10, 2019

Myson's Legacy LLC
c/o Lane Engineering, Inc
117 Bay St
PO Box 1767
Easton, MD 21601

Re: Agency Interest Number: 160845
Tracking Number: 201860599
Tidal Authorization Number: 18-WL-0346

Dear Myson's Legacy LLC

Your project did not qualify for approval under the Maryland State Programmatic General Permit (MDSPGP); therefore a separate review and issuance of the federal permit will be required by the U.S. Army Corps of Engineers. The federal permit is not attached.

Additionally, your project required a Wetlands License to be approved and issued by the Maryland Board of Public Works (BPW). The Wetlands License was sent to you by the BPW's Wetlands Administrator.

A project that does not qualify for approval under the MDSPGP requires an individual Water Quality Certification (WQC) to be issued by the Maryland Department of the Environment, which is attached. Please take a moment to read and review your WQC to ensure that you understand the limits of the authorized work and all of the general and special conditions.

You should not begin any work until you have obtained all necessary State, local, and federal authorizations. Please contact Megan Spindler at megan.spindler@maryland.gov or 410-537-3622 with any questions.

Sincerely,

Jonathan Stewart, Chief
Eastern Region
Tidal Wetlands Division



STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
WATER QUALITY CERTIFICATION



for
WETLAND LICENSE 18-WL-0346

WATER QUALITY CERTIFICATION NUMBER: 19-WQC-0007

EFFECTIVE DATE: August 14, 2019

EXPIRATION DATE: August 13, 2022

CERTIFICATION HOLDER: Mysons Legacy LLC

ADDRESS: 9 Federal St

Easton, Maryland 21601

PROJECT LOCATION: St Michaels Road Tax Map 32, Grid 17,
Parcel 101

Saint Michaels, MD 21663

Miles River in Talbot

UNDER AUTHORITY OF SECTION 401 OF THE FEDERAL WATER POLLUTION CONTROL ACT AND ITS AMENDMENTS AND IN ACCORDANCE WITH §9-313 THROUGH §9-323, INCLUSIVE, OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND, THE WATER AND SCIENCE ADMINISTRATION ("ADMINISTRATION") HAS DETERMINED THAT THE REGULATED ACTIVITY DESCRIBED IN STATE TIDAL WETLANDS LICENSE NUMBER 18-WL-0346 ("LICENSE") WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS, IF CONDUCTED IN ACCORDANCE WITH THE CONDITIONS OF THIS CERTIFICATION AND WITH ALL TERMS AND CONDITIONS OF THE LICENSE. A COPY OF THE LICENSE, INCLUDING APPROVED PROJECT DRAWINGS AND OTHER ATTACHMENTS, IS ATTACHED HERETO AND IS HEREBY INCORPORATED BY REFERENCE.

THIS CERTIFICATION DOES NOT RELIEVE THE APPLICANT OF RESPONSIBILITY FOR OBTAINING ANY OTHER APPROVALS, LICENSES, OR PERMITS IN ACCORDANCE WITH FEDERAL, STATE, OR LOCAL REQUIREMENTS AND DOES NOT AUTHORIZE COMMENCEMENT OF THE PROPOSED PROJECT. A COPY OF THIS REQUIRED CERTIFICATION HAS BEEN SENT TO THE CORPS OF ENGINEERS.

THE CERTIFICATION HOLDER SHALL COMPLY WITH THE CONDITIONS LISTED BELOW.

SPECIAL CONDITIONS

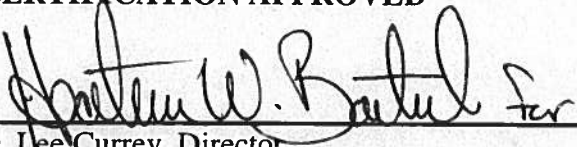
- A. The terms and conditions of Tidal Wetlands License No. 18-WL-0346 are hereby incorporated, by reference, into this Water Quality Certification. The Certification Holder shall comply with these conditions to ensure that the authorized activities will not result in a violation of the State's water quality standards.

GENERAL CONDITIONS

- A. The proposed project shall be constructed in a manner which will not violate Maryland's Water Quality Standards as set forth in COMAR 26.08.02. The applicant is to notify this Department ten (10) days prior to commencing work. Verbal notification is to be followed by written notice within ten (10) days.
- B. The Maryland Department of the Environment has determined that the proposed activities comply with, and will be conducted in a manner consistent with the State's Coastal Zone Management Program, as required by Section 307 of the Federal Coastal Zone Management Act of 1972, as amended.
- C. If the authorized work is not performed by the property owner, all work performed under this Tidal Wetlands License shall be conducted by a marine contractor licensed by the Marine Contractors Licensing Board (MCLB) in accordance with Title 17 of the Environment Article of Annotated Code of Maryland. A list of licensed marine contractors may be obtained by contacting the MCLB at 410-537-3249, by e-mail at MDE.MCLB@maryland.gov or by accessing the Maryland Department of the Environment, Environmental Boards webpage.
- D. The Certification Holder shall ensure the proposed project shall be constructed in accordance with the authorized plan and any authorized revisions.
- E. The Certification Holder shall ensure that all fill and construction materials not used in the project shall be removed and disposed of in a manner which will prevent their entry into waters of this State.
- F. The Certification Holder shall notify the Water and Science Administration, Tidal Wetlands Division, in writing, upon transferring property ownership or responsibility for compliance with these conditions to another person. The new owner/operator shall request, in writing, transfer of this Water Quality Certification to his/her name.
- G. The Certification Holder shall allow representatives of the Maryland Department of the Environment to inspect the authorized activities.
- H. The Certification Holder shall ensure that a copy of this Permit, including the approved plans, is available at the site until the authorized work is complete.
- I. The Certification does not relieve the Certification holder from the responsibility of obtaining all necessary federal, State, and local government authorizations.
- J. The Certification Holder shall comply with all Critical Area requirements and obtain all necessary authorizations from local jurisdiction. This Certification does not constitute authorization for disturbance in the 100-foot Critical Area Buffer. "Disturbance" in the Buffer means clearing, grading, construction activities, or removal of any size of tree or vegetation. Any anticipated Buffer disturbance requires prior written approval, before commencement of land disturbing activity, from local jurisdiction in the form of a Buffer Management Plan.

Failure to comply with these conditions shall constitute reason for suspension or revocation of the Water Quality Certification, and legal proceedings may be instituted against the Certification Holder in accordance with the Annotated Code of Maryland. In granting this certification, the Department reserves the right to inspect the operations and records regarding this project at anytime

CERTIFICATION APPROVED



D. Lee Currey, Director
Water and Science Administration

9/17/2019
DATE

Tracking Number: 201860599
Agency Interest Number: 160845

Effective Date: August 14, 2019

Enclosure: Executed Tidal Wetlands License No. 18-WL-0346 with all plans and attachments.

cc: WMA Inspection & Compliance Program



William Morgante, PWS
Wetlands Administrator

State of Maryland
Board of Public Works

Wetlands Administration
Post Office Box 1510
Annapolis, Maryland 21404
410-260-7791
Fax: 410-974-5240
Toll Free: 1-877-591-7326

RECEIVED
AUG 26 2019
STATE BOARD OF PUBLIC WORKS
WETLANDS ADMINISTRATION

Larry Hogan
Governor
Nancy K. Kopp
Treasurer
Peter Franchot
Comptroller
Sheila C. McDonald
Executive Secretary

August 14, 2019

Mysons Legacy LLC
c/o Lane Engineering, Inc.
117 Bay Street
Easton, MD 21601

RE: Wetlands License No. 18-0346, Miles River, Talbot Co., MD

Dear Licensee(s):

Enclosed please find the original and one copy of the above-mentioned wetlands license issued to you on August 14, 2019.

After you have read all the conditions of the license, please ensure that the license is signed by the licensee (or designee) and the entire original license (including plans) is returned to this office *within 15 business days* in the enclosed envelope. The Executive Secretary signs and validates the license after BPW receives the license signed by the licensee. Retain the copy of the license for your records.

Please note that you must notify the MD Department of the Environment, Inspections and Compliance Program, by calling (410) 537-3510 in Baltimore, or (410) 901-4020 in Cambridge, five days prior to commencing work.

This does not constitute your federal authorization. Contact the U.S. Army Corps of Engineers, Baltimore District, (410) 962-4500 (Maryland Section Southern) or (410) 962-4252 (Maryland Section Northern) regarding the status of the federal permit.

If you have any questions concerning this license, please contact me.

Sincerely,

William Morgante
Wetlands Administrator

Enclosure

cc: MDE, Tidal Wetlands Division



William Morgante, PWS
Wetlands Administrator

State of Maryland
Board of Public Works

Wetlands Administration
Post Office Box 1510
Annapolis, Maryland 21404
410-260-7791
Fax: 410-974-5240
Toll Free: 1-877-591-7320



Larry Hogan
Governor
Nancy K. Kopp
Treasurer
Peter Franchot
Comptroller
Sheila C. McDonald
Executive Secretary

WETLANDS LICENSE NO. 18-0346

MYSONS LEGACY LLC

The Maryland Board of Public Works authorizes you to:

- I. Construct a 109-linear foot low profile stone, sand containment sill, and fill and grade with 127 cubic yards of sand along 139 feet of eroding shoreline and plant with marsh vegetation extending a maximum of 30 feet channelward of the mean high water line (MHWL).
- II. Construct 50 feet of low profile stone edging within a maximum of 5 feet channelward of an eroding marsh edge extending a maximum of 30 feet channelward of the MHWL.
- III. Repair and maintain 575 linear feet of revetment in the existing footprint.
- IV. Construct an 80-linear foot low profile stone, sand containment sill, and fill and grade with 104 cubic yards of sand along 100 feet of eroding shoreline and plant with marsh vegetation extending a maximum of 45 feet channelward of the MHWL.
- V. Construct 835 feet of riprap revetment within a maximum of 3 feet channelward of the MHWL.
- VI. Construct 208 feet of riprap revetment within a maximum of 5 feet channelward of the MHWL.
- VII. Replace an existing groin with a 10-foot wide by 75-foot long stone groin extending a maximum of 75 feet channelward of the MHWL.
- VIII. Replace an existing groin with a 10-foot wide by 95-foot long stone groin extending a maximum of 95 feet channelward of the MHWL.
- IX. Construct a 638-linear foot low profile stone, sand containment sill, and fill and grade with 914 cubic yards of sand along 698 feet of eroding shoreline and plant with marsh vegetation extending a maximum of 70 feet channelward of the MHWL.
- X. Construct a 232-linear foot low profile stone, sand containment sill, and fill and grade with 401 cubic yards of sand along 252 feet of eroding shoreline and plant with marsh vegetation extending a maximum of 60 feet channelward of the MHWL.

Miles River, St. Michael's Road, St. Michaels, Talbot County, Maryland

Issuance of this Tidal Wetlands License constitutes the State's determination that the authorized activities are consistent with the Maryland Coastal Zone Management Program, as required by Section 307 of the Federal Coastal Zone Management Act of 1972, as amended [16 U.S.C. §1456]. Accordingly, the State concurs with the Licensee's certification in the Joint Permit Application that the project complies with, and will be conducted in a manner consistent with the Maryland CZMP.

THIS LICENSE AUTHORIZES YOU TO PERFORM THE WORK ONLY IF YOU COMPLY WITH THE FOLLOWING SPECIAL CONDITION(S):

- A. The issuance of this License is not a validation or authorization by the Maryland Department of the Environment (MDE) of any structures above the existing mean high water line, nor does it relieve the Licensee of the obligation to obtain local government approval for work in the Critical Area Buffer. Licensee shall have all work proposed above MHW reviewed and authorized by Talbot County Department of Planning and Zoning.
- B. Marsh establishment:
- a. Licensee shall use clean substrate fill material, no more than 10% of which shall pass through a standard number 100 sieve.
 - b. The marsh establishment area shall be planted within one year following completion of the filling operation.
 - c. The marsh establishment project shall be maintained as a wetland, with non-nuisance species' aerial coverage of at least 85% for three consecutive years. If 85% coverage is not attained, the reasons for failure shall be determined, corrective measures shall be taken, and the area shall be replanted.
 - d. If the fill is graded hydraulically, Licensee shall use a turbidity curtain around the perimeter of the instream work.
 - e. If the existing bank is to be cleared or graded,
 - i. Licensee shall obtain any required approvals of an erosion and sediment control plan from the applicable sediment and erosion control agency, and
 - ii. Licensee shall perform all work under and in accordance with the Critical Area requirements of the local jurisdiction in the form of an approved Buffer Management Plan.
- C. Licensee shall accept the terms of the attached marsh maintenance plan by signing and returning the standard plan to the Maryland Department of the Environment's (MDE) Water and Science Administration, Tidal Wetlands Division, prior to commencement of any work authorized under this License. If the Licensee wishes to propose an alternative marsh maintenance plan, the alternative plan must be submitted to and approved by the Tidal Wetlands Division, Water and Science Administration, prior to commencement of any work authorized under this License. Any alternative plan must provide assurances of success that are at least equivalent to those of the standards plan, in terms of the extent of native marsh plant coverage, elimination of invasive species and timeframe for plant establishment.

HIS LICENSE AUTHORIZES YOU TO PERFORM THE WORK ONLY IF YOU COMPLY WITH THE FOLLOWING STANDARD CONDITIONS:

1. Licensee shall conduct the authorized work in accordance with the plans and drawings dated March 28, 2018, which are hereby incorporated into this License. Until the authorized work is complete, Licensee shall have available at the site a copy of this License including the plans and drawings.

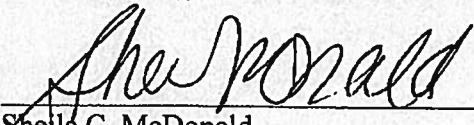
2. This License constitutes Maryland's authorization to conduct the authorized work under the State Tidal Wetlands Law. This License does not bestow any other federal, State, or local government authorization.
3. Licensee shall have all proposed work above Mean High Water reviewed and authorized by the local county Department of Planning and Zoning or applicable agency.
4. Licensee shall notify MDE's Inspection and Compliance Program by phone (410-537-3510) AND in writing (MDE, Inspection and Compliance Program, 1800 Washington Boulevard, Baltimore, MD 21230) of the following:
 - start date at least five business days before beginning work; and
 - completion date no more than five business days after project completion.
5. If MDE has issued a Water Quality Certification with respect to the authorized work, Licensee shall comply with all conditions of that certification.
6. Licensee shall conduct the authorized work in accordance with Critical Area Commission requirements. This License does not authorize disturbance in the Buffer. If authorized work will disturb the Buffer, Licensee shall have a Commission-approved or locally-approved Buffer Management Plan before beginning the authorized work.

"Buffer" means the 100-foot Critical Area Buffer and any expanded area that is immediately landward of the mean high water line of the tidal waters or is immediately landward of tidal wetlands. The Buffer includes expanded contiguous area if the contiguous area includes steep slopes, hydric soil, or highly erodible soil, or otherwise meets the criteria of COMAR 27.01.09.01.E(7).

"Disturbance" means any alteration or change to the land including any amount of clearing. Clearing includes vegetation removal, grading, and construction activity.
7. Licensee may not fill, dredge, or otherwise alter or destroy tidal marsh or its vegetation unless this License specifically authorizes the activity.
8. Licensee may not stockpile material in State tidal wetlands or State tidal waters of the U.S.
9. Licensee shall allow unfettered public use of State wetlands and State tidal waters of the U.S.
10. This License does not transfer a property interest of the State.
11. Licensee shall file a Miss Utility ticket for the proposed work at least 10 days before beginning work. *Miss Utility: 800-257-7777*
12. Licensee shall ensure that structures (for example, piers and piles) removed from the site are taken to an upland disposal facility approved by MDE's Inspection and Compliance Program.
13. If the authorized work impacts more than 5,000 square feet or includes 100 or more cubic yards of fill, Licensee shall conduct the authorized work in accordance with a locally-approved Soil Erosion and Sediment Control Plan.
14. If the authorized work is not performed by the property owner, all work performed under this Tidal Wetlands License shall be conducted by a marine contractor licensed by the Marine Contractors Licensing Board (MCLB) in accordance with Title 17 of the Environment Article of Annotated Code of Maryland. A list of licensed marine contactors may be obtained by contacting the MCLB at 410-537-3249, by email at *MDE.MCLB@maryland.gov* or by accessing the Maryland Department of the Environment, Environmental Boards webpage.
15. Licensee shall allow State officials and employees to make inspections at reasonable times and cooperate with those inspections.

- 16. This License is granted only to the Licensee. Licensee may transfer the license only with written approval from the Board of Public Works. If the Board of Public Works approves the transfer, the transferee is subject to all License terms and conditions.
- 17. Licensee shall indemnify, defend, and save harmless the State of Maryland, its officials, officers, and employees from and against any and all liability, suits, claims, and actions of whatever kind, caused by or arising from, the work this License authorizes.
- 18. The Board of Public Works or its Wetlands Administrator may modify, suspend, or revoke this License in its reasonable discretion.
- 19. This License expires August 14, 2022. If the authorized work is not completed by the expiration date, all activity must stop.
- 20. **NOTE:** A three-year license may be renewed for one additional three-year term if the Licensee requests an extension before the expiration date and all other conditions are met. A six-year license may not be renewed; instead Licensee must reapply to MDE for a new license. Contact the Board of Public Works to determine if this License may be extended.
Board of Public Works: 410-260-7791

By the authority of the Board of Public Works:



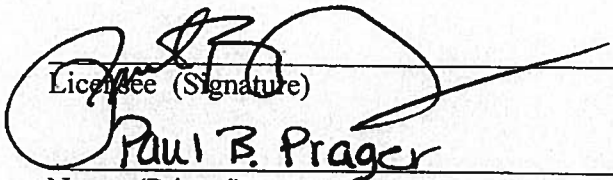
 Sheila C. McDonald
 Executive Secretary

Effective Date: August 14, 2019
 Approved as: Secretary's Agenda Item 5
 Board of Public Works Meeting Date: August 14, 2019

I accept this License and all its conditions.

8/20/2019

 Date



 Licensee (Signature)
 Paul B. Prager

 Name (Printed)

Owner

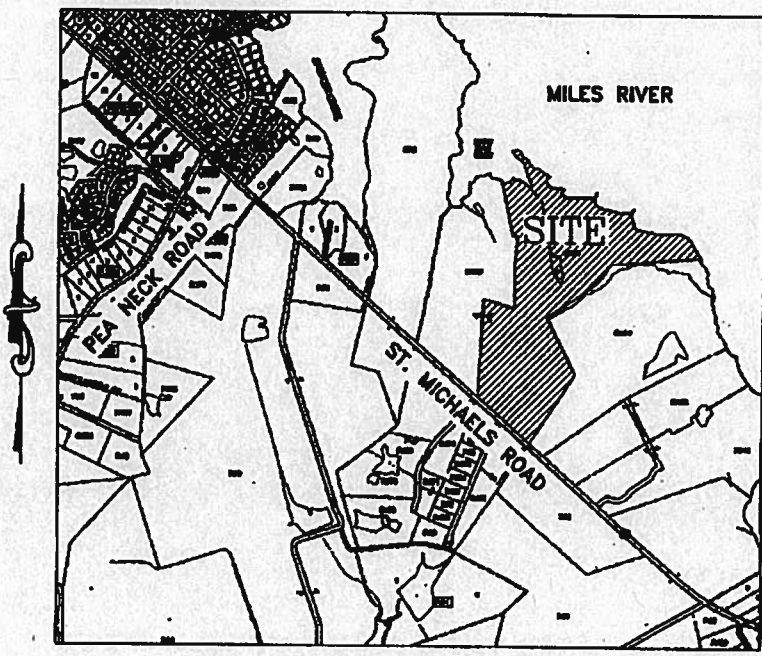
 Title

Cahall@beowulfenergy.com

 Email (To receive completed license.)



**TIDAL WETLAND PERMIT DRAWINGS
 PREPARED FOR
 MYSONS LEGACY, LLC
 IN THE SECOND ELECTION DISTRICT
 TALBOT COUNTY, MARYLAND**



VICINITY MAP
 SCALE: 1" = 2,000'

18-WL-0346
 201860599
 160845 ENGINEER

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

OWNER/DEVELOPER
 MYSONS LEGACY, LLC
 9 FEDERAL STREET
 EASTON, MARYLAND 21601

PROJECT LOCATION
 ST. MICHAELS ROAD
 ST. MICHAELS, MARYLAND

ISSUE FOR:	DATE:	BY:	No.	DATE:	REVISION:	BY:
MDE SUBMITTAL	03/28/18	DSW				
MDE SUBMITTAL	05/01/18	DSW				
MDE SUBMITTAL	06/22/18	DSW				
MDE SUBMITTAL	01/25/19	DSW				
MDE SUBMITTAL	03/28/19	DSW				

SHEET No. **1 OF 21**
 DATE: AS NOTED
 SCALE: AS NOTED
 JOB No. 170307
 FILE No. 5102

TITLE SHEET
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
 TALBOT COUNTY, MARYLAND
 TAX MAP 32, GRID 17, PARCEL 101

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


 E-mail: general@lane.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

LEGEND & ABBREVIATIONS

MLW MEAN LOW WATER
 MHW MEAN HIGH WATER
 APPROX APPROXIMATE
 TYP TYPICAL

PROPERTY LINE	
100' BUFFER	
TREE LINE	
2016 MAPPED SAV	
TIDAL WETLANDS	
TIDAL WETLANDS	
SPARTINA ALTERNIFLORA	
SPARTINA PATENS	
SPOT ELEVATION	
EXISTING STONE	
PROPOSED STONE	

MHHW = 1.64

MHW = 1.40

MTW = 0.96

MLW = 0.00

MLLW = -0.20

NAVD 88 = 0.39

NGVD 29 = -0.37

VERTICAL DATUM COMPARISON CHART


SCALE: 1"=1'

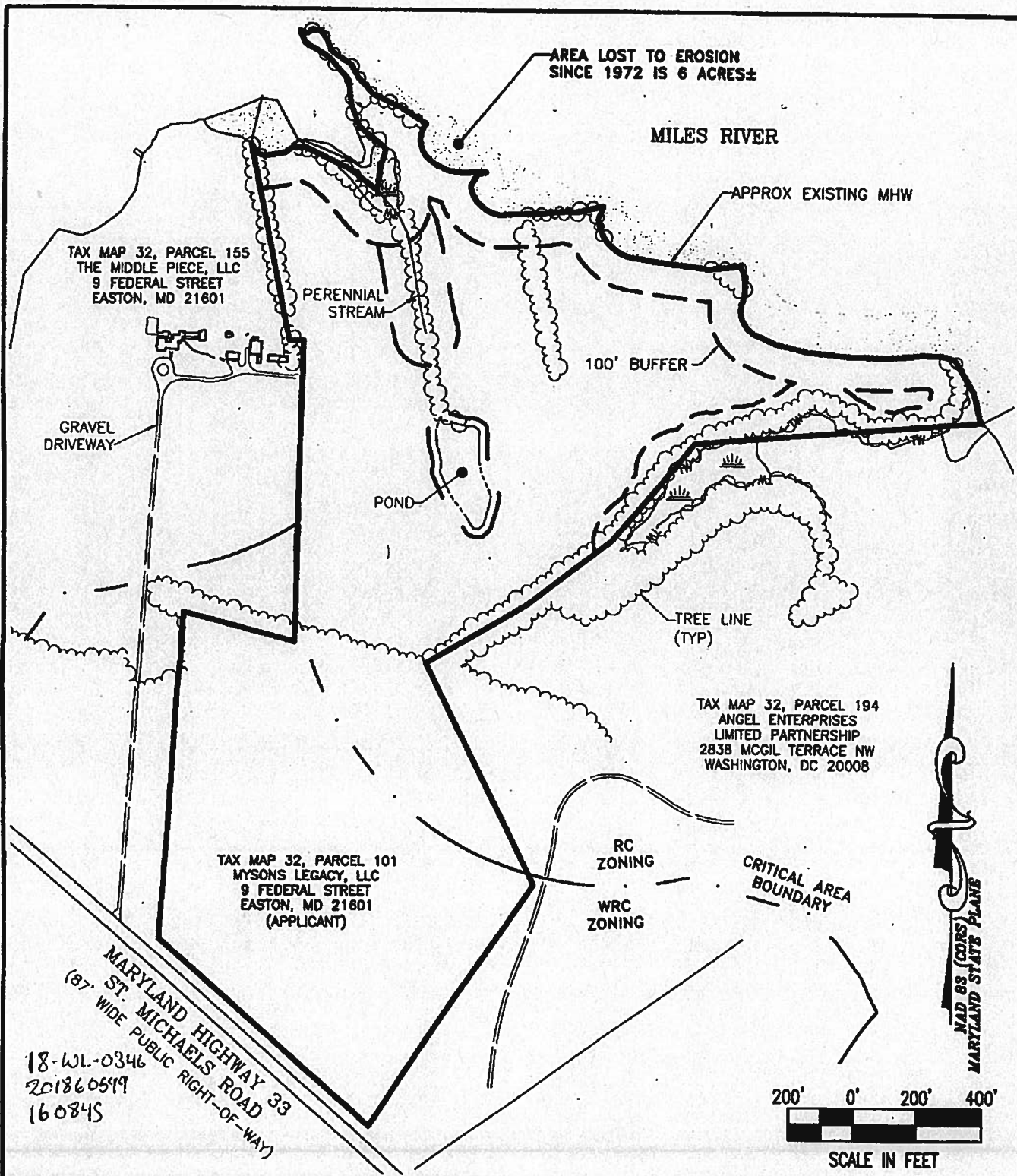
NOTE: MEAN LOW WATER (MLW) AND RELATIVE TIDAL INFORMATION WAS OBTAINED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND THE NATIONAL OCEANIC SERVICE (NOS) AND ARE BASED UPON TIDAL BENCH MARK ST. MICHAEL'S TIDAL EPOCH 1960-1978 AND ADJUSTED 0.22 HIGHER FOR THE EPOCH 1983-2001. USING PRIMARY BENCH MARK NO 4 1842 AND BENCH MARK 7 1969 MLW WAS DETERMINED -0.39 NAVD 1988 DATUM AS ESTABLISHED BY GPS METHODOLOG TO CORS STATIONS HNPT (PID A13494) COMBINED FACTOR: 0.99996650 & LOYG (NGS CERTIFICATE PENDING).

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'.
4. MEAN TIDAL RANGE = 1.40'
5. LOT SIZE = 70.87 AC±
6. LOT DEPTH = 2565'±
7. LOT WIDTH AT SHORELINE = 4081'±
8. DISTANCE TO CHANNEL CENTERLINE = 1000'±
9. MAXIMUM CHANNELWARD ENCROACHMENT = LIVING SHORELINE: 35'
RIRAP: 12'
GROINS: 95'
10. ZONING CLASSIFICATION = RC/WRC

18-W-0846
 201860599
 160845

FILE NO. 5102	JOB NO. 170307	DATE: AS NOTED SCALE: AS NOTED	SHEET NO. 2 OF 21	SITE & PROJECT NOTES ON THE LANDS OF MYSONS LEGACY, LLC ST. MICHAELS, MARYLAND TALBOT COUNTY, MARYLAND TAX MAP 32, GRID 17, PARCEL 101	Lane Engineering, LLC Established 1986 Civil Engineers • Land Planning • Land Surveyors  E-mail: general@lane.com 117 Bay St. Easton, MD 21801 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 334 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2065
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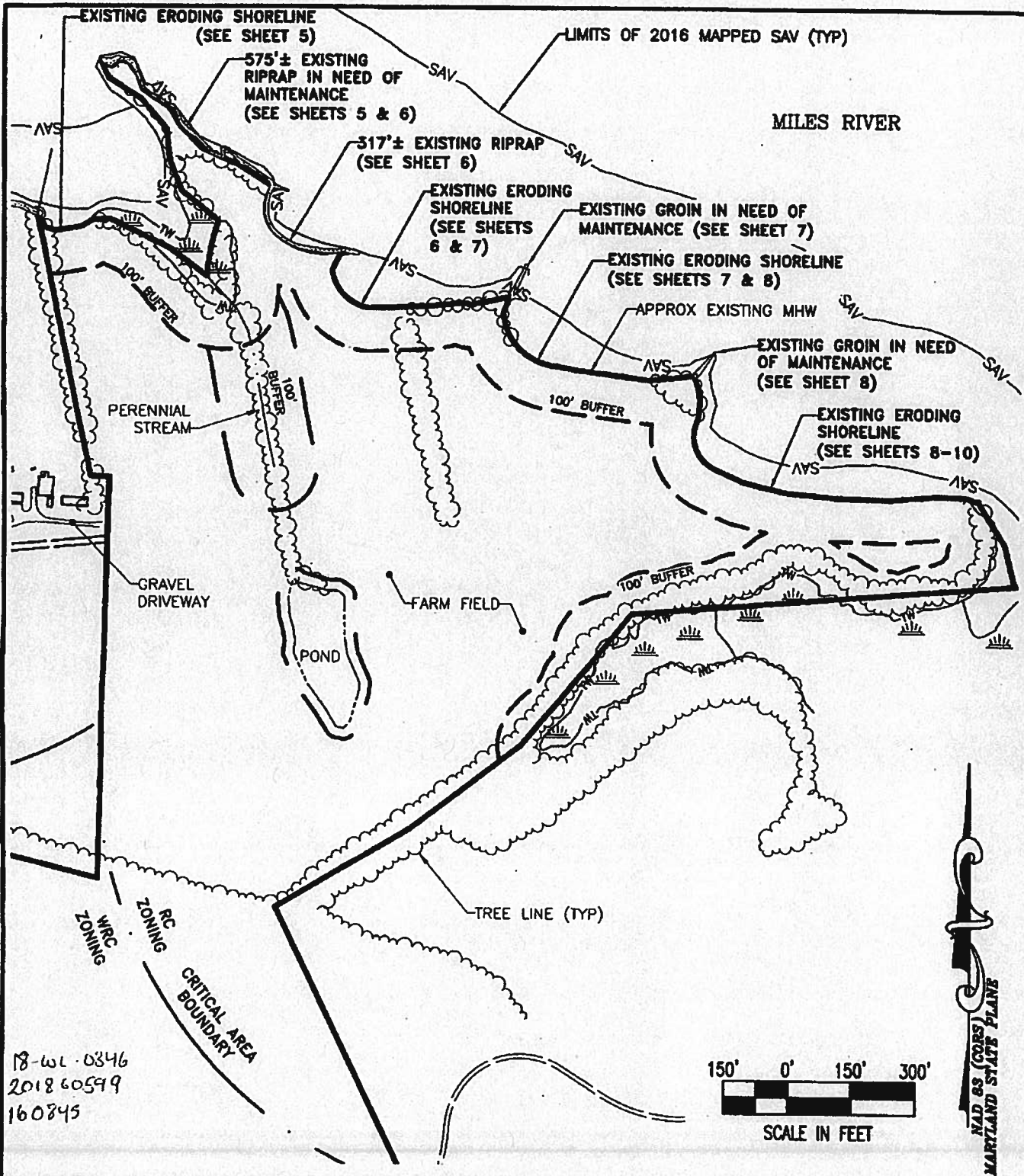


SHEET NO. 3 OF 21
DATE: AS NOTED
SCALE: AS NOTED
JOB NO. 170307
FILE NO. 5102

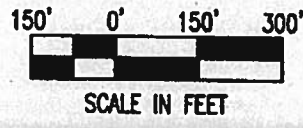
SITE OVERVIEW
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
TALBOT COUNTY, MARYLAND
TAX MAP 32, GRID 17, PARCEL 101

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

E-mail: general@lane.com
117 Bay St. Easton, MD 21601 (410) 822-8003
15 Worthington St. Cambridge, MD 21613 (410) 221-0818
384 Pennsylvania Ave. Centreville, MD 21617 (410) 756-2085



18-wl-0346
 201860599
 160845



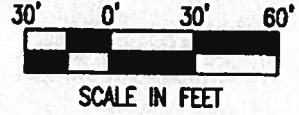
FILE NO. 5102
 JOB NO. 170307
 SCALE: AS NOTED
 DATE: AS NOTED
 SHEET NO. 4 OF 21

EXISTING CONDITIONS OVERVIEW
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
 TALBOT COUNTY, MARYLAND
 TAX MAP 32, GRID 17, PARCEL 101

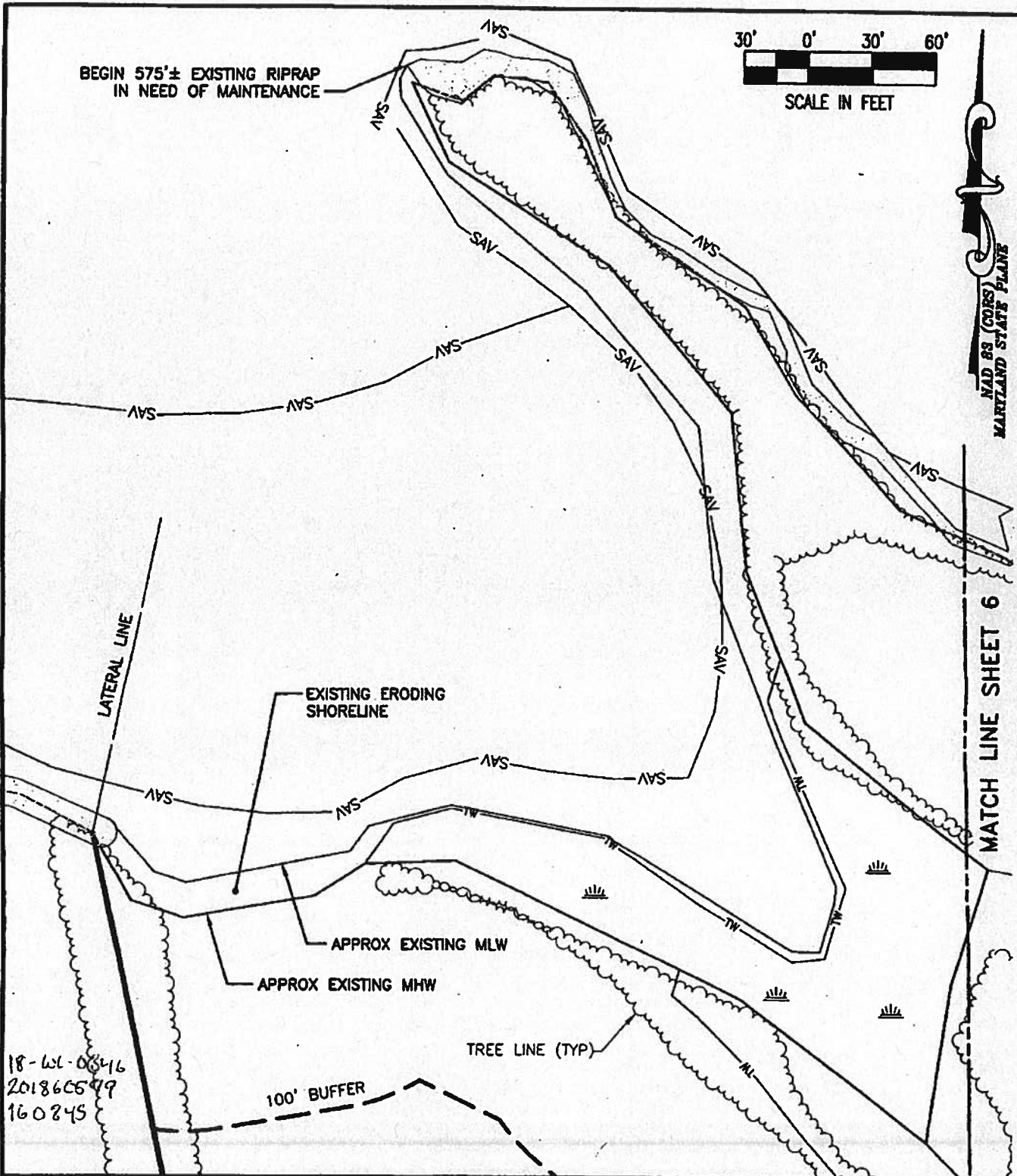
Lane Engineering, LLC
 Established 1986
 Civil Engineers • Land Planning • Land Surveyors

E-mail: general@lane.com
 117 Boy St. Easton, MD 21801 (410) 822-8003
 15 Washington St. Cambridge, MD 21613 (410) 221-0818
 354 Pennsylvania Ave. Centerville, MD 21617 (410) 756-2095

BEGIN 575'± EXISTING RIPRAP
IN NEED OF MAINTENANCE



NAD 83 (GCS)
 MARYLAND STATE PLANE



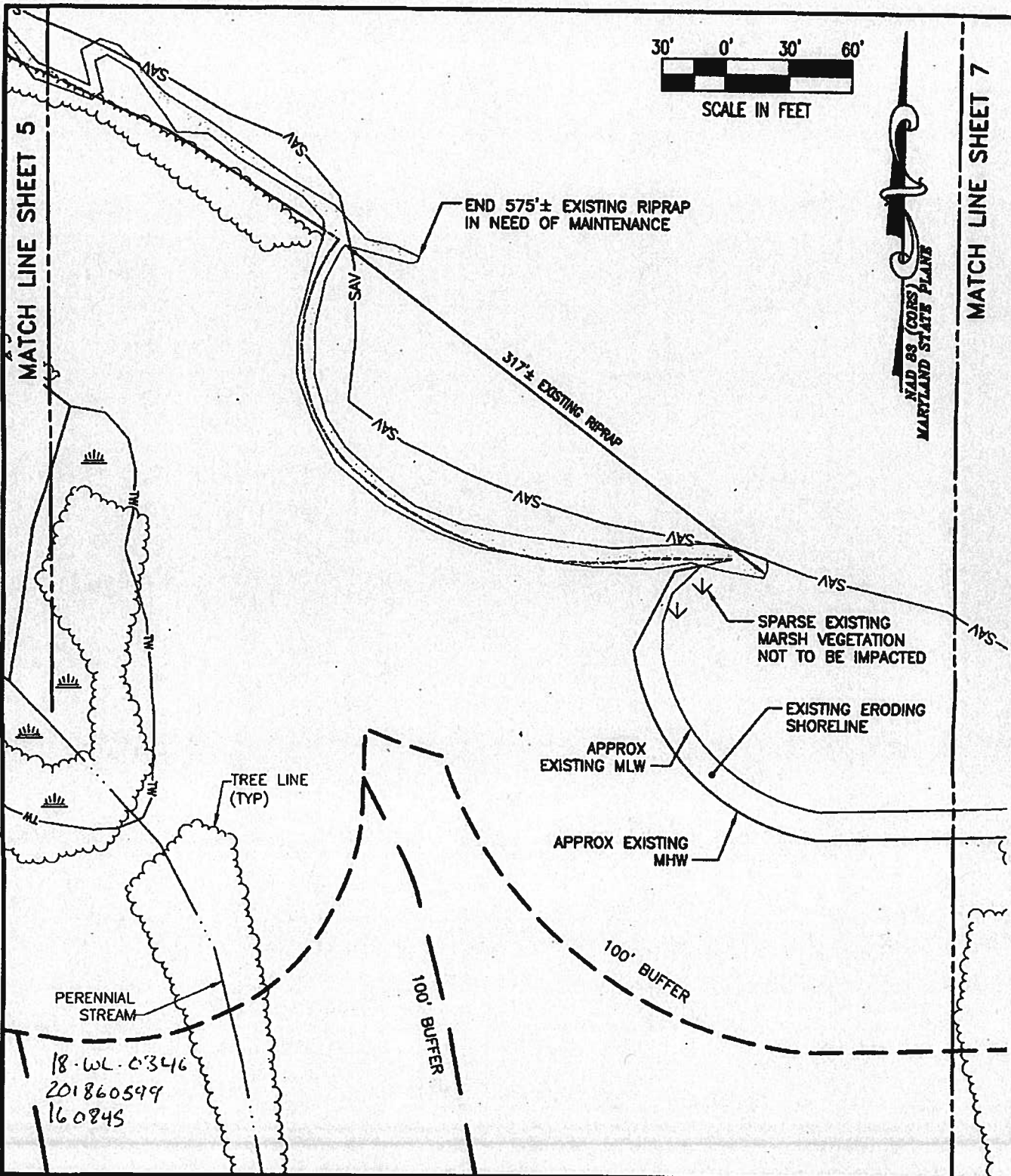
18-WL-0846
201860549
160845

SHEET No. **5 OF 21**
 DATE: AS NOTED
 SCALE: AS NOTED
 JOB No. 170307
 FILE No. 5102

EXISTING CONDITIONS
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
 TALBOT COUNTY, MARYLAND
 TAX MAP 32, GRID 17, PARCEL 101

Lane Engineering, LLC
 Established 1988
 Civil Engineers • Land Planning • Land Surveyors


 E-mail: general@lane.com
 117 Boy St. Easton, MD 21801 (410) 822-8003
 15 Washington St. Cambridge, MD 21613 (410) 221-0818
 354 Pennsylvania Ave. Centreville, MD 21617 (410) 750-2095



18-WL-0346
201860599
160845

SHEET NO.
6 OF 21

DATE: AS NOTED

SCALE: AS NOTED

JOB No. 170307

FILE No. 5102

EXISTING CONDITIONS

ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND

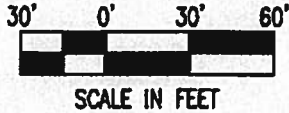
TALBOT COUNTY, MARYLAND
TAX MAP 32, GRID 17, PARCEL 101

Lane Engineering, LLC

Established 1986
Civil Engineers • Land Planning • Land Surveyors

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. Carverville, MD 21817 (410) 758-2095

MATCH LINE SHEET 6



MILES RIVER

LIMITS OF 2016 MAPPED SAV (TYP)

EXISTING ERODING SHORELINE

EXISTING GROIN IN NEED OF MAINTENANCE

SPARSE EXISTING MARSH VEGETATION NOT TO BE IMPACTED

APPROX EXISTING MHW

APPROX EXISTING MLW

TREE LINE (TYP)

100' BUFFER

EXISTING ERODING SHORELINE

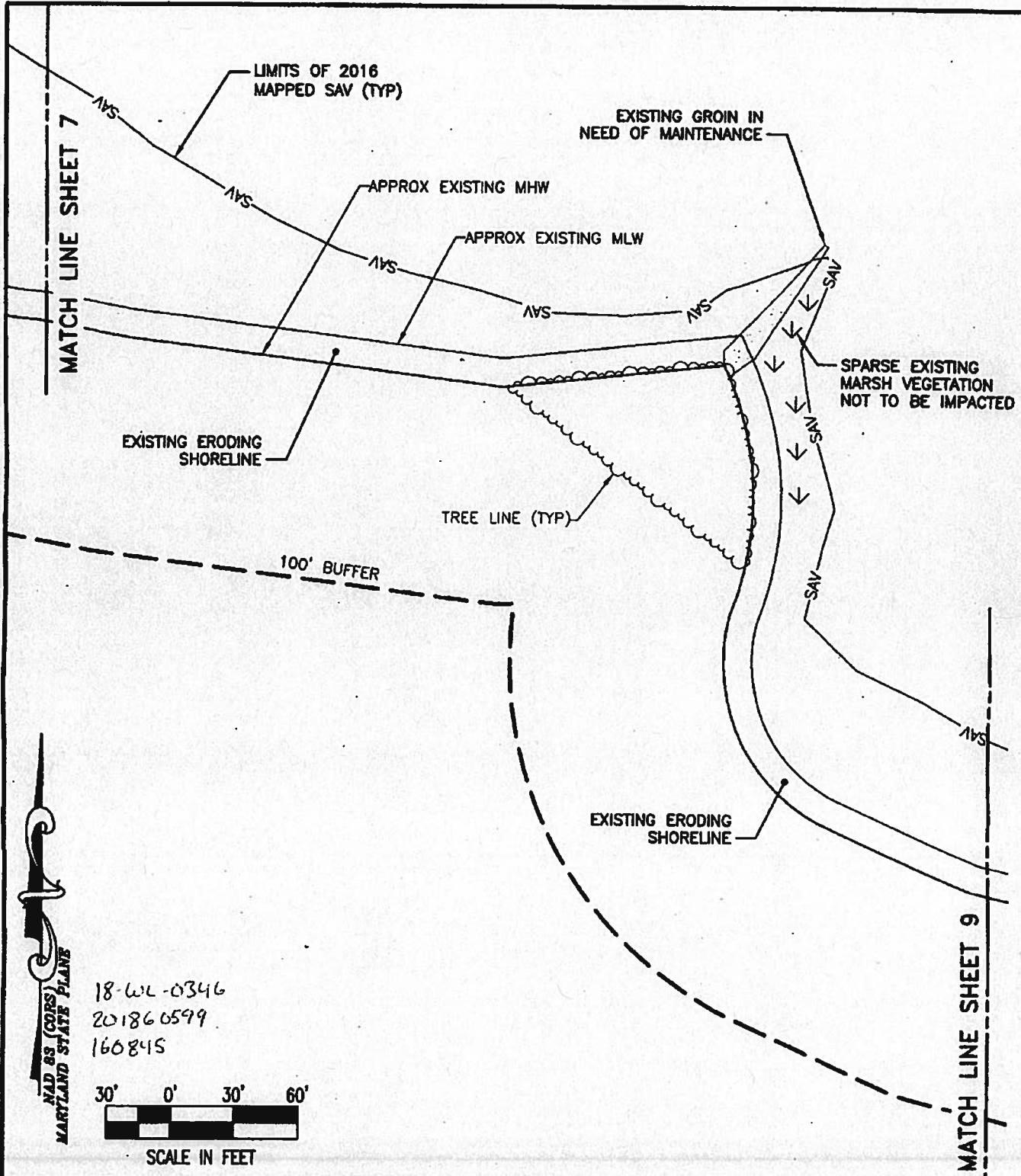
MATCH LINE SHEET 8

18-wl 0346
201860598
160845

FILE No. 5102
JOB No. 170307
SCALE: AS NOTED
DATE: AS NOTED
SHEET No. 7 OF 21

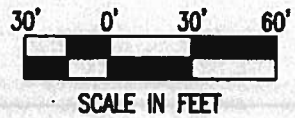
EXISTING CONDITIONS
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
TALBOT COUNTY, MARYLAND
TAX MAP 32, GRID 17, PARCEL 101

Lane Engineering, LLC
Established 1986
Civil Engineers • Land Planning • Land Surveyors
E-mail: general@lane.com
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15 Washington St. Cambridge, MD 21813 (410) 221-0818
364 Pennsylvania Ave. Centreville, MD 21617 (410) 755-2095



NAD 83 (GORS) PLANE
 MARYLAND STATE PLANE

18-WL-0346
 201866599
 160845



FILE NO. 5102 JOB NO. 170307 SCALE: AS NOTED DATE: AS NOTED	SHEET NO. 8 OF 21	EXISTING CONDITIONS ON THE LANDS OF MYSONS LEGACY, LLC ST. MICHAELS, MARYLAND TALBOT COUNTY, MARYLAND TAX MAP 32, GRID 17, PARCEL 101	Lane Engineering, LLC Established 1986 Civil Engineers • Land Planning • Land Surveyors E-mail: general@lane.com 117 Bay St. Easton, MD 21801 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2005
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MATCH LINE SHEET 8

MATCH LINE SHEET 10

LIMITS OF 2016 MAPPED SAV (TYP)

AVS

AVS

AVS

AVS

AVS

AVS

APPROX EXISTING MLW

APPROX EXISTING MHW

EXISTING ERODING SHORELINE

TREE LINE (TYP)

100' BUFFER

TW

TW

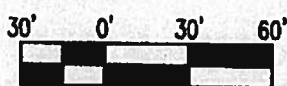
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TW

TW

TW

18-WL-0346
201860599
160245



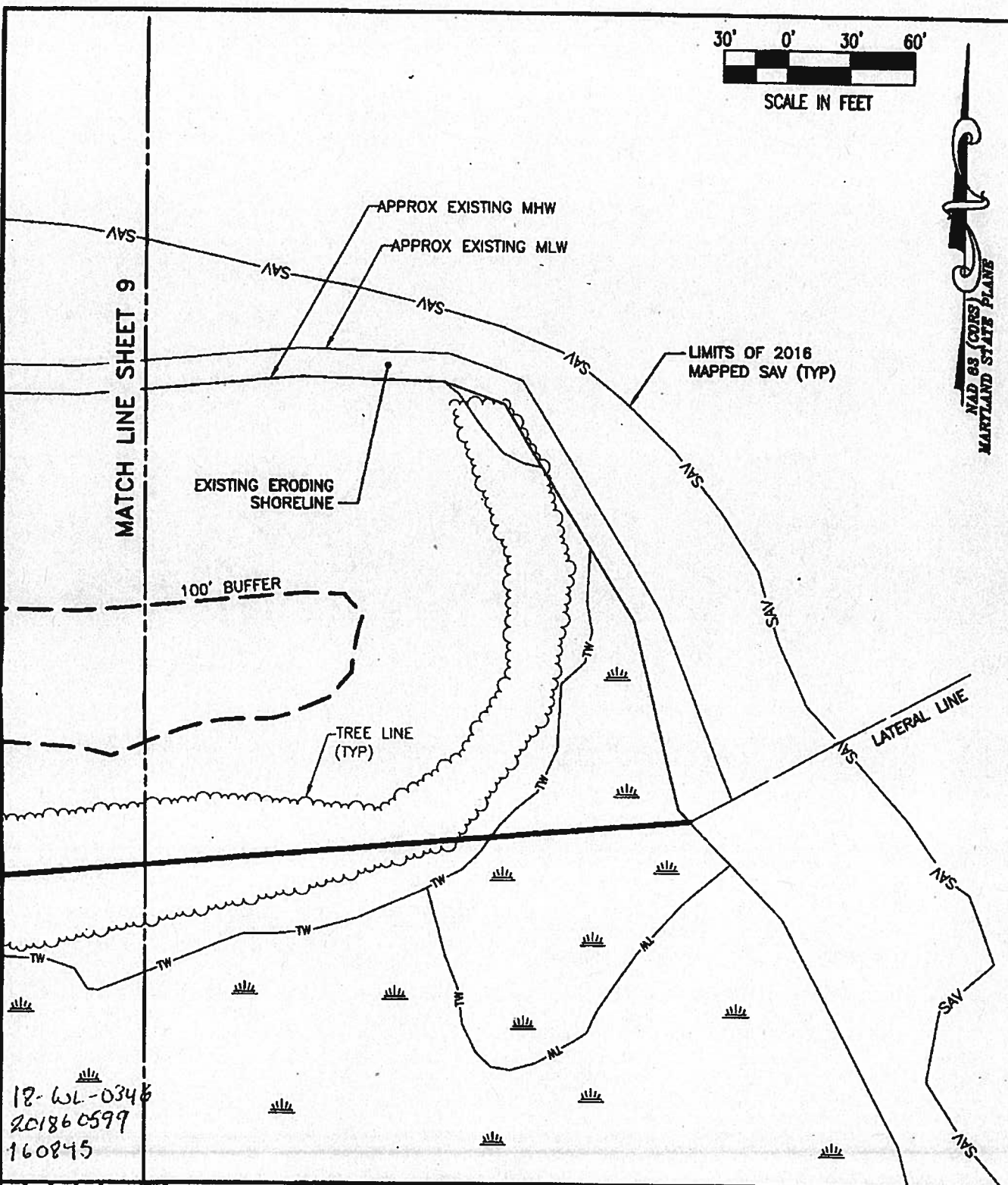
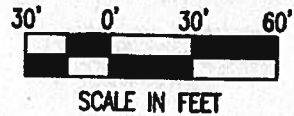
SCALE IN FEET



SHEET NO. 9 OF 21
DATE: AS NOTED
SCALE: AS NOTED
JOB No. 170307
FILE No. 5102

EXISTING CONDITIONS
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
TALBOT COUNTY, MARYLAND
TAX MAP 32, GRID 17, PARCEL 101

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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) 756-2095

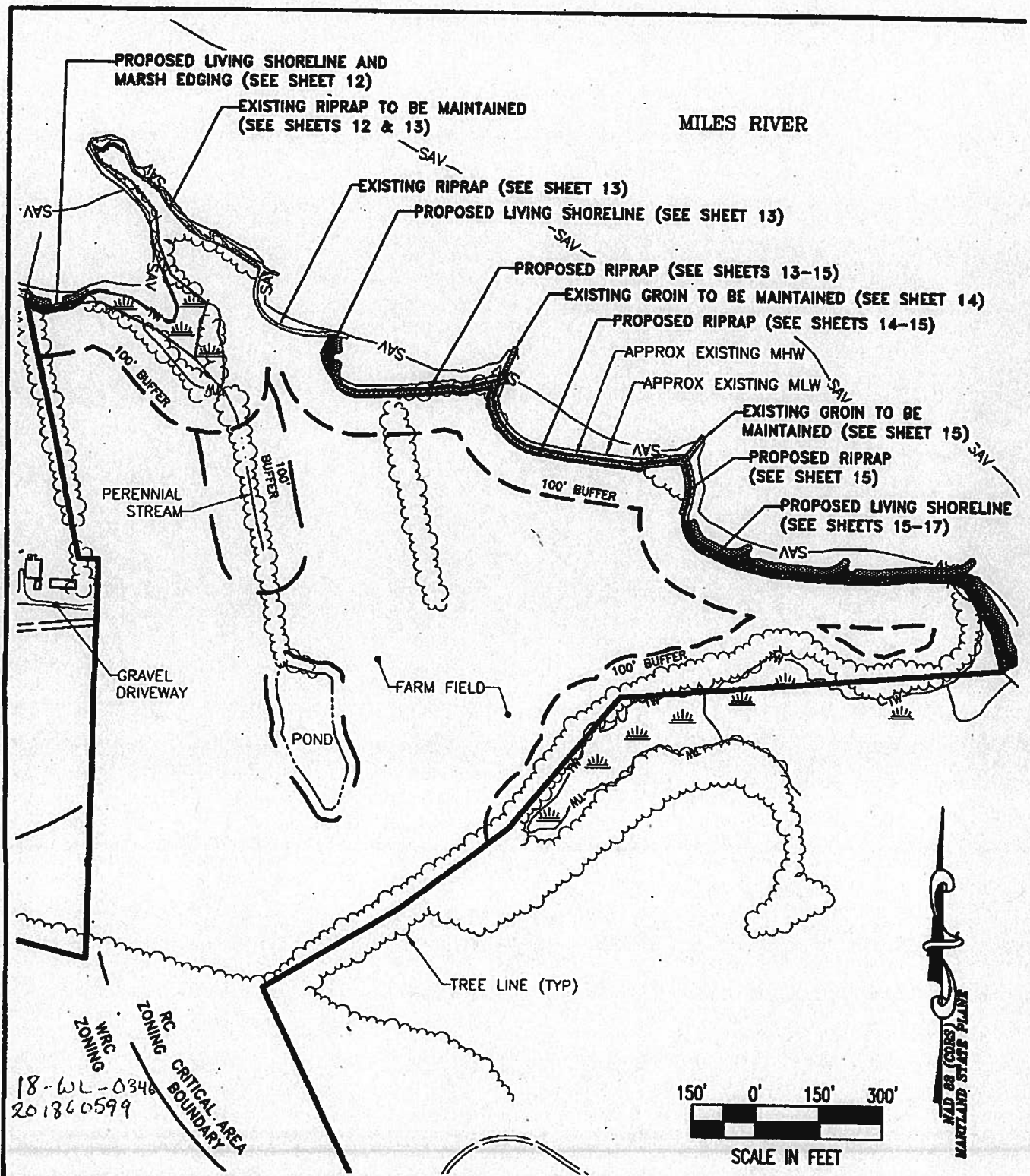


18-WL-0348
 201860599
 160845

SHEET No. 10 OF 21
 DATE: AS NOTED
 SCALE: AS NOTED
 JOB No. 170307
 FILE No. 5102

EXISTING CONDITIONS
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
 TALBOT COUNTY, MARYLAND
 TAX MAP 32, GRID 17, PARCEL 101

Lane Engineering, LLC
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 117 Bay St. Easton, MD 21601 (410) 822-8003
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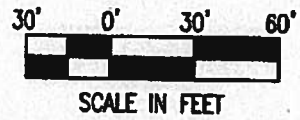


SHEET No. 11 OF 21
 DATE: AS NOTED
 SCALE: AS NOTED
 JOB No. 170307
 FILE No. 5102

PROPOSED IMPROVEMENTS OVERVIEW
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
 TALBOT COUNTY, MARYLAND
 TAX MAP 32, GRID 17, PARCEL 101

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 15 Washington St. Cambridge, MD 21813 (410) 221-0816
 334 Pennsylvania Ave. Centreville, MD 21817 (410) 758-2063

BEGIN 575' EXISTING RIPRAP TO BE MAINTAINED



MILES RIVER



x-2.86

x-2.16

x-1.88

LATERAL LINE

x-1.68

EXISTING RIPRAP

139' PROPOSED
LIVING SHORELINE
STONE: 1,835 SF±/243 CY±
SAND: 2,280 SF±/127 CY±

50' PROPOSED MARSH
EDGING (200 SF±/15 CY±)

x-1.24

x-1.01

30'

MATCH LINE SHEET 13

1862-0346A
20860549
160845

APPROX PROPOSED MLW

APPROX EXISTING MLW

APPROX PROPOSED MHW

APPROX EXISTING MHW

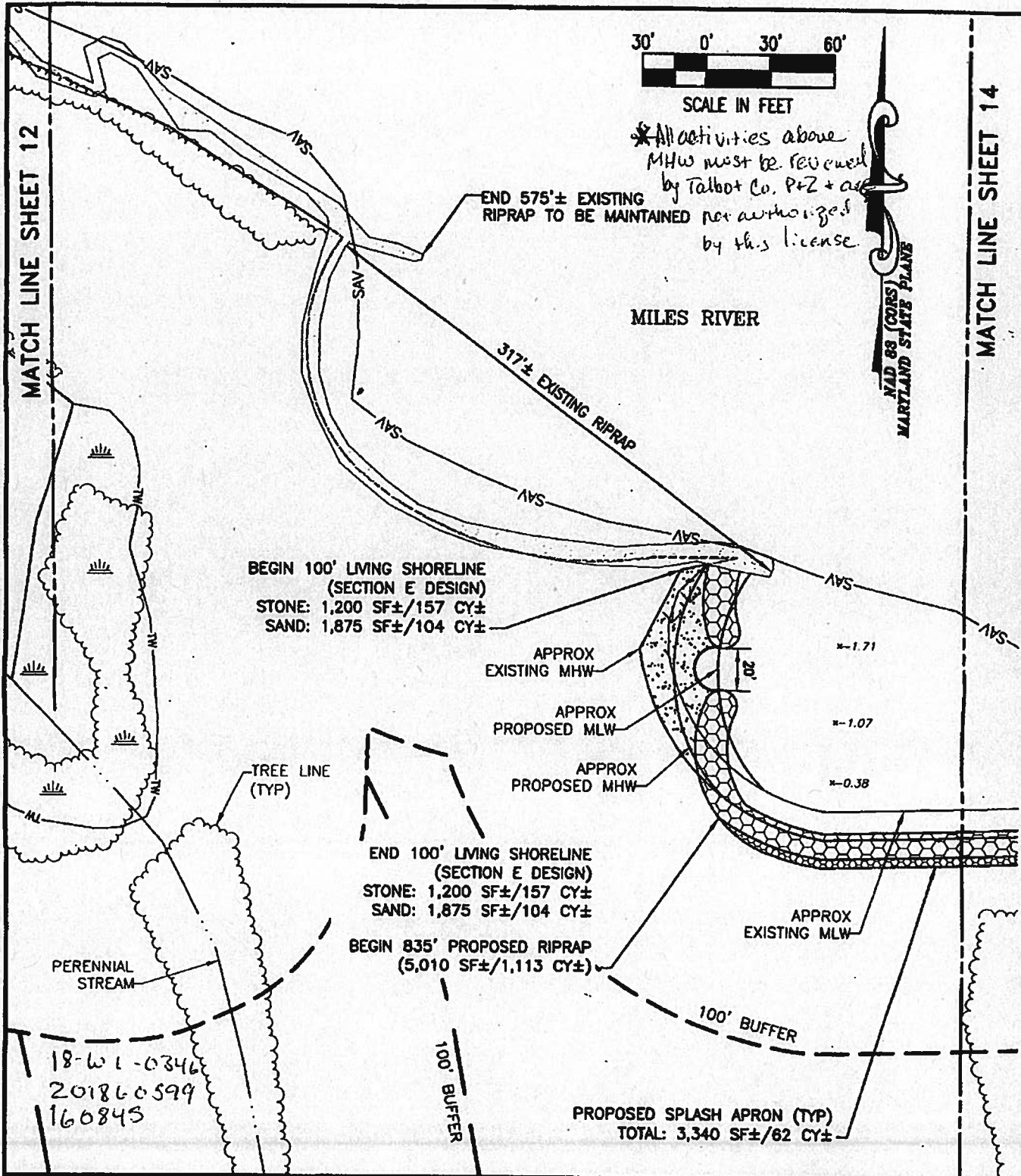
SHEET No.
12 OF 21
DATE: AS NOTED
SCALE: AS NOTED
JOB No. 170307
FILE No. 5102

PROPOSED CONDITIONS
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
TALBOT COUNTY, MARYLAND
TAX MAP 32, GRID 17, PARCEL 101

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MATCH LINE SHEET 12

MATCH LINE SHEET 14

SHEET No. 13 OF 21
DATE: AS NOTED
SCALE: AS NOTED
JOB No. 170307
FILE No. 5102

PROPOSED CONDITIONS
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
TALBOT COUNTY, MARYLAND
TAX MAP 32, GRID 17, PARCEL 101

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15 Washington St. Cambridge, MD 21613 (410) 221-0818
354 Pennsylvania Ave. Centerville, MD 21817 (410) 758-2085

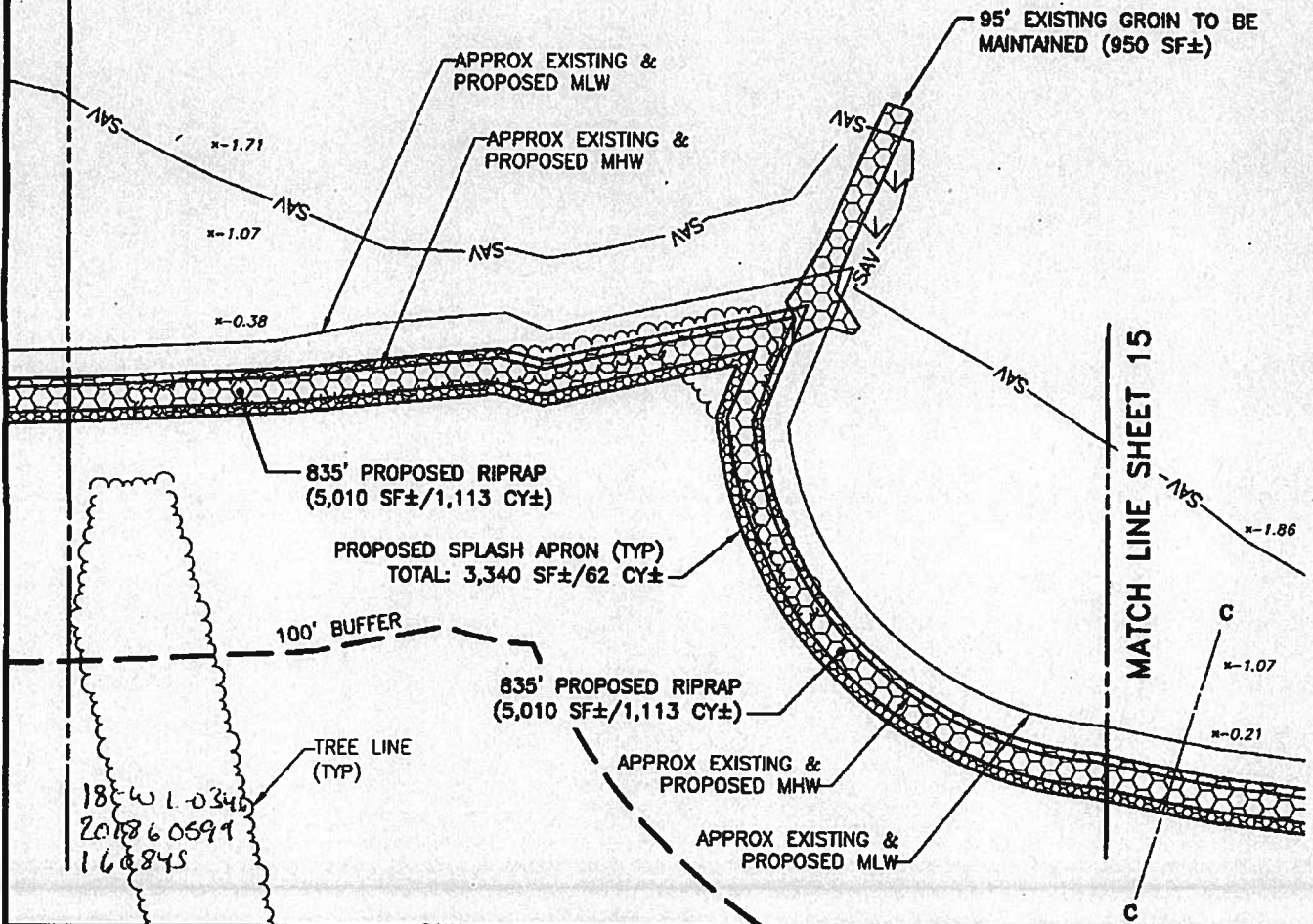
MATCH LINE SHEET 13



SCALE IN FEET

*All activities above MHW must be reviewed by Talbot Co. P+Z + are not authorized by this license.

MILES RIVER



187610346
207860599
168945

SHEET No. 14 OF 21

DATE: AS NOTED

SCALE: AS NOTED

JOB No. 170307

FILE No. 5102

PROPOSED CONDITIONS

ON THE LANDS OF

MYSONS LEGACY, LLC

ST. MICHAELS, MARYLAND

TALBOT COUNTY, MARYLAND

TAX MAP 32, GRID 17, PARCEL 101

Lane Engineering, LLC

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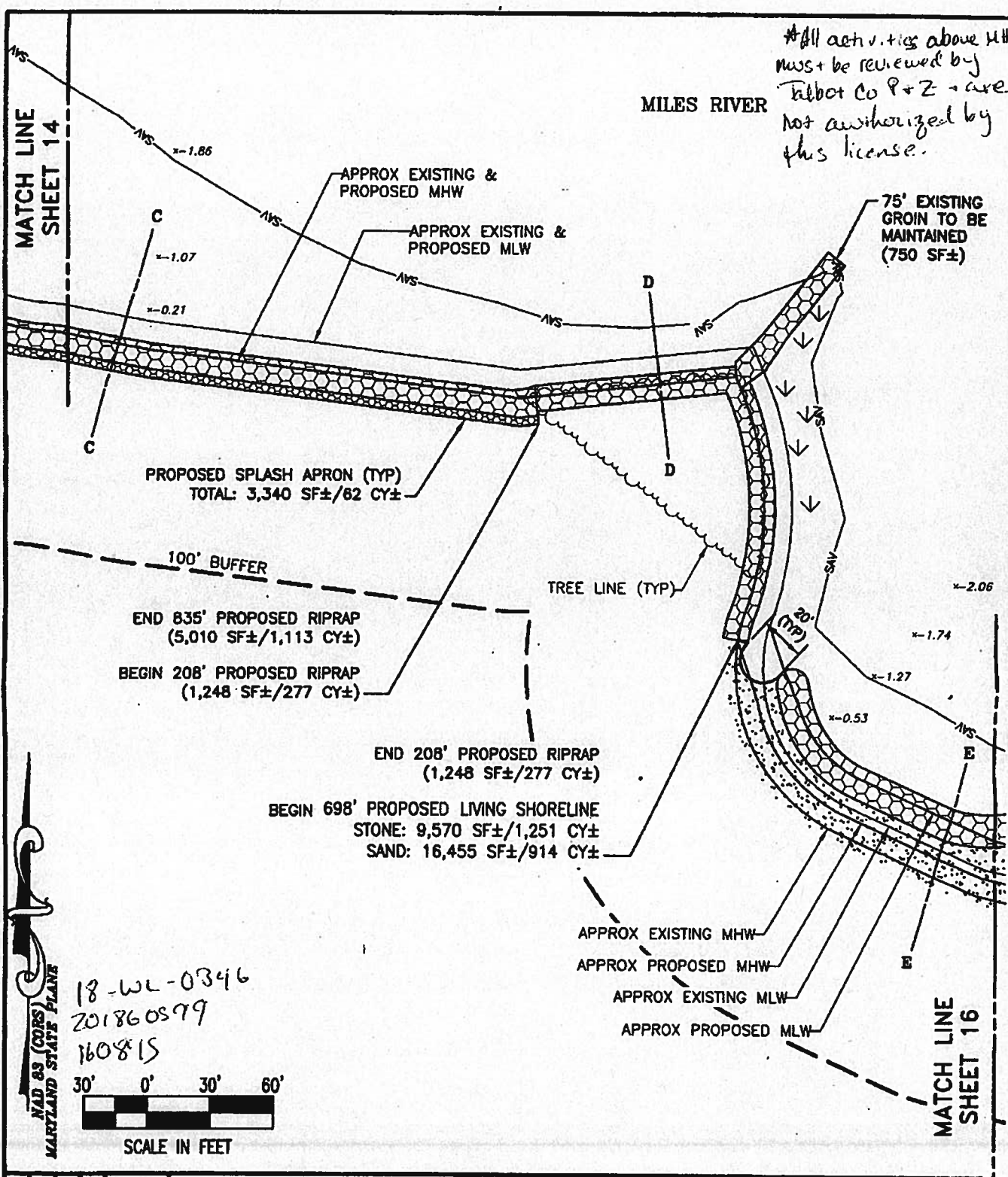
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117 Bay St. Easton, MD 21801 (410) 822-8003

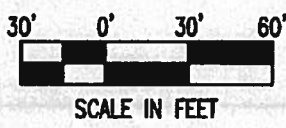
15 Washington St. Cambridge, MD 21613 (410) 221-9818


354 Pennsylvania Ave. Centerville, MD 21817 (410) 755-2095

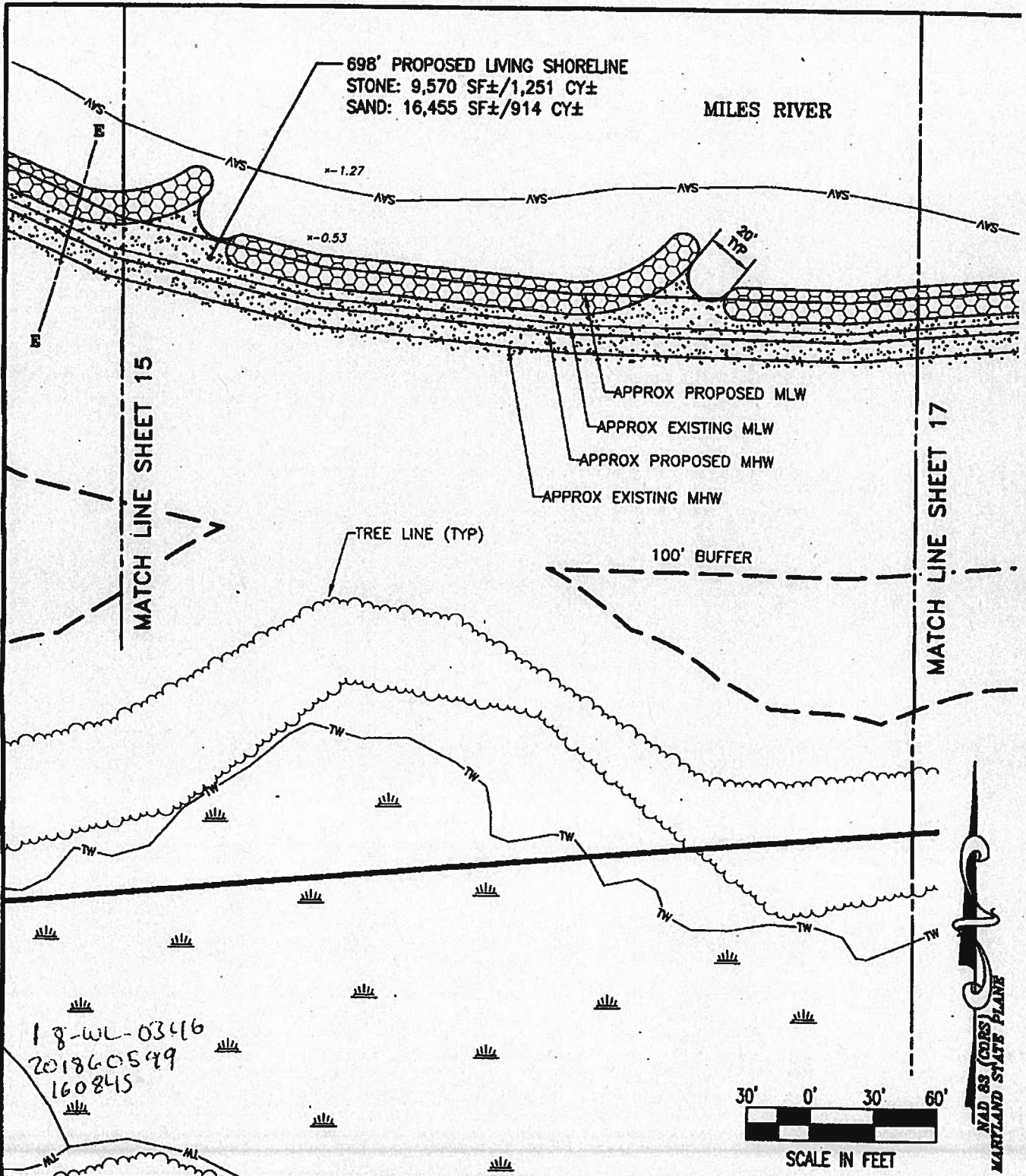
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18-WL-0346
 201860599
 160815
 MARYLAND STATE PLANE
 NAD 83 (GCRS)



SHEET No. 15 OF 21	PROPOSED CONDITIONS ON THE LANDS OF MYSONS LEGACY, LLC ST. MICHAELS, MARYLAND	Lane Engineering, LLC Established 1986 Civil Engineers • Land Planning • Land Surveyors  E-mail: general@lane.com 117 Bay St. Easton, MD 21801 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 344 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2085
	TALBOT COUNTY, MARYLAND TAX MAP 32, GRID 17, PARCEL 101	
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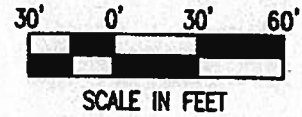


SHEET No. 16 OF 21
 DATE: AS NOTED
 SCALE: AS NOTED
 JOB No. 170307
 FILE No. 5102

PROPOSED CONDITIONS
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND
 TALBOT COUNTY, MARYLAND
 TAX MAP 32, GRID 17, PARCEL 101

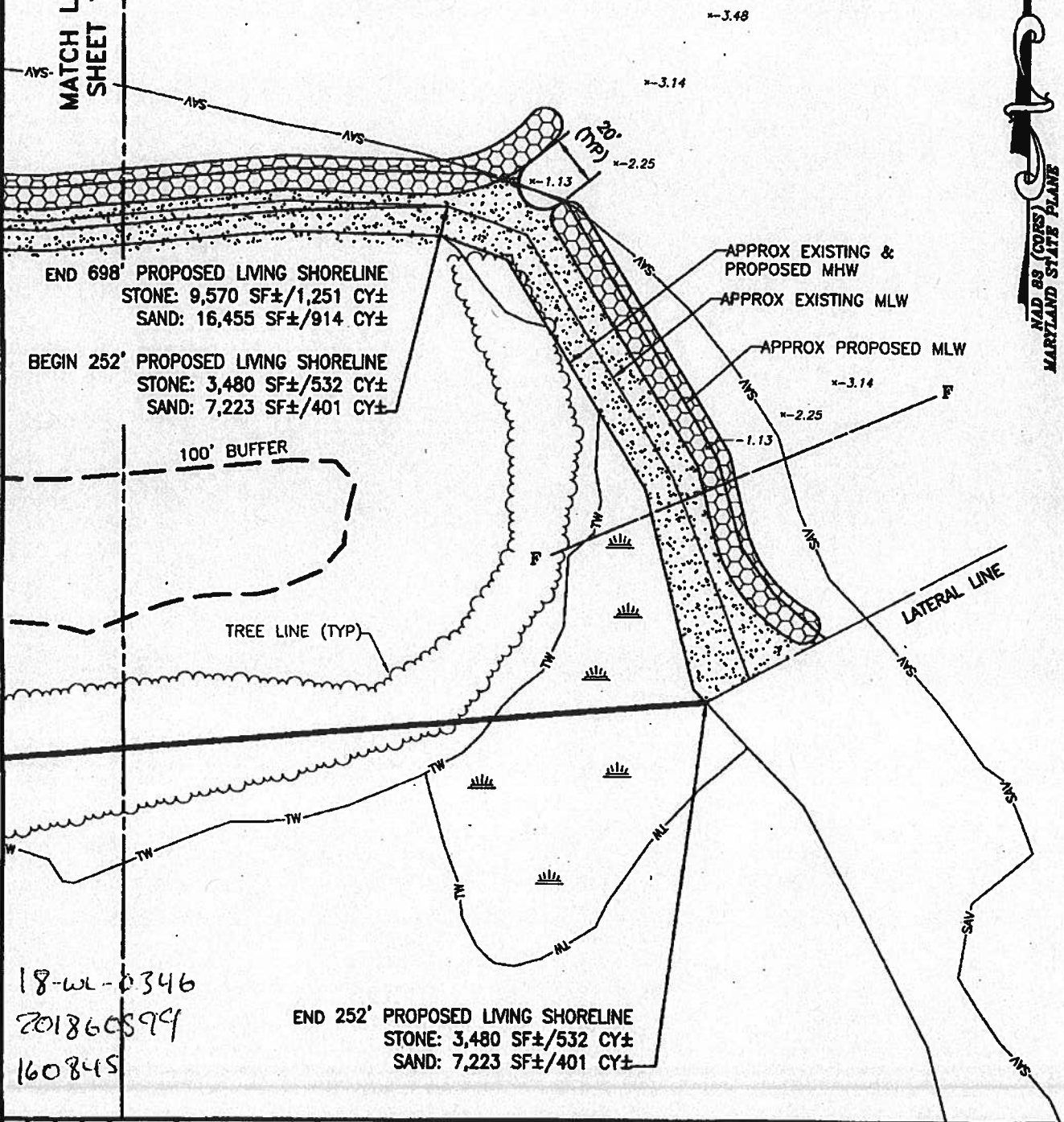
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 117 Bay St. Eastern, MD 21601 (410) 822-8003
 15 Washington St. Cambridge, MD 21813 (410) 221-0818
 354 Pennsylvania Ave. Centerville, MD 21017 (410) 758-2085



MILES RIVER

MATCH LINE
SHEET 16



END 698' PROPOSED LIVING SHORELINE
STONE: 9,570 SF±/1,251 CY±
SAND: 16,455 SF±/914 CY±

BEGIN 252' PROPOSED LIVING SHORELINE
STONE: 3,480 SF±/532 CY±
SAND: 7,223 SF±/401 CY±

END 252' PROPOSED LIVING SHORELINE
STONE: 3,480 SF±/532 CY±
SAND: 7,223 SF±/401 CY±

18-WL-0346
201860899
160845

SHEET NO. 17 OF 21
DATE: AS NOTED
SCALE: AS NOTED
JOB NO. 170307
FILE NO. 5102

PROPOSED CONDITIONS
ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND

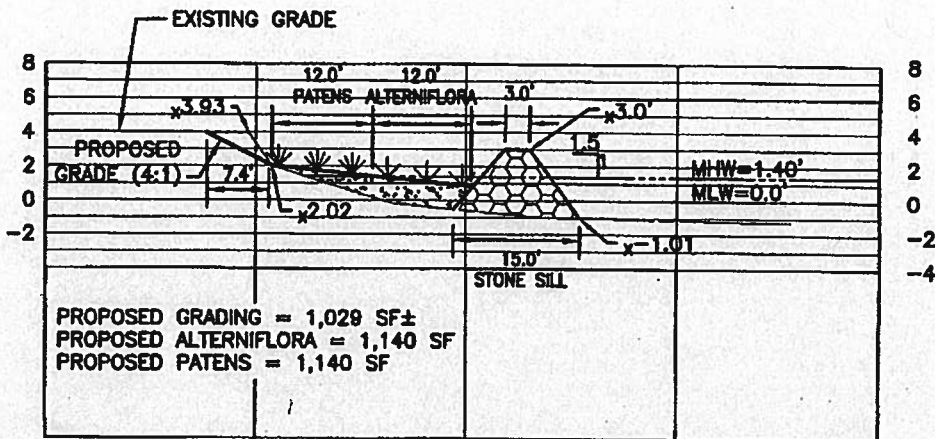
TALBOT COUNTY, MARYLAND
TAX MAP 32, GRID 17, PARCEL 101

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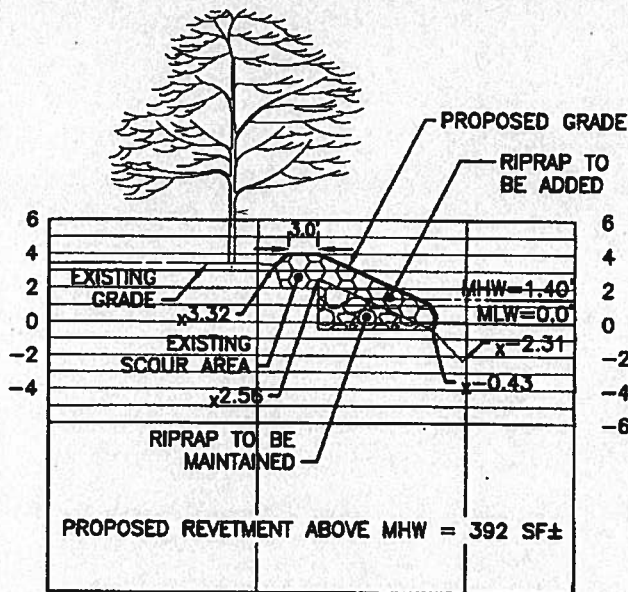
E-mail: general@lanc.com
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354 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2085



SECTION A - LIVING SHORELINE

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 10'




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SECTION B - HIGH PROFILE RIPRAP MAINTENANCE

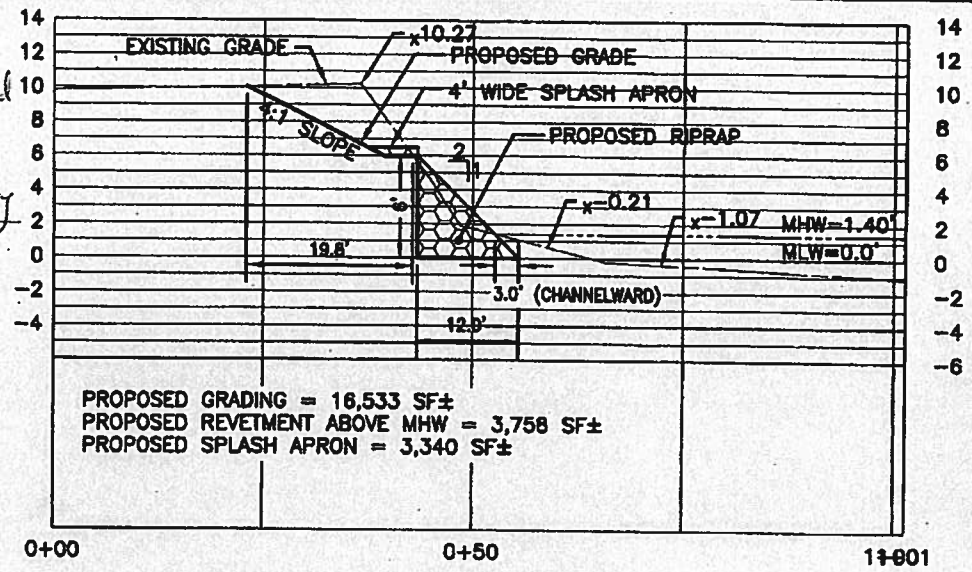
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VERTICAL SCALE: 1" = 10'

18-WX-0346
201860599
160845

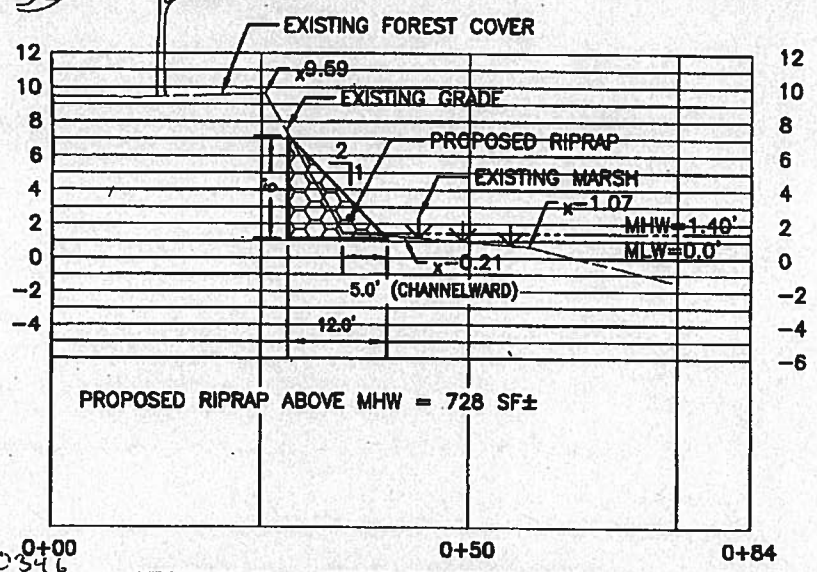
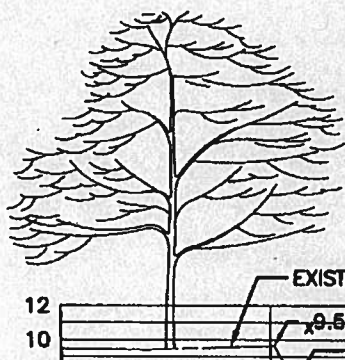
SHEET No. 18 OF 21	DETAILS	Lane Engineering, LLC Established 1986 Civil Engineers • Land Planning • Land Surveyors  E-mail: general@lane.com 117 Bay St. Easton, MD 21821 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 354 Pennsylvania Ave. Centreville, MD 21617 (410) 768-2085
	ON THE LANDS OF MYSONS LEGACY, LLC ST. MICHAELS, MARYLAND	
	TALBOT COUNTY, MARYLAND TAX MAP 32, GRID 17, PARCEL 101	
DATE: AS NOTED SCALE: AS NOTED JOB No. 170307 FILE No. 5102	Date: 03/28/2016 - 11:30am User: dswanin Project Manager: JSC Drawing Path: J:\2017\0300\170307\CH32-170307.dwg Plots\JMP-PLTS-170307.dwg 18 LANE ENGINEERING, LLC XREF File(s): HES-BASE-170307/RLD-BASE-170307/RWA-BASE-170307/CSP-BASE-170307/MLW-BASE-170307/CPR-BASE-170307	

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SECTION C - HIGH PROFILE RIPRAP


HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

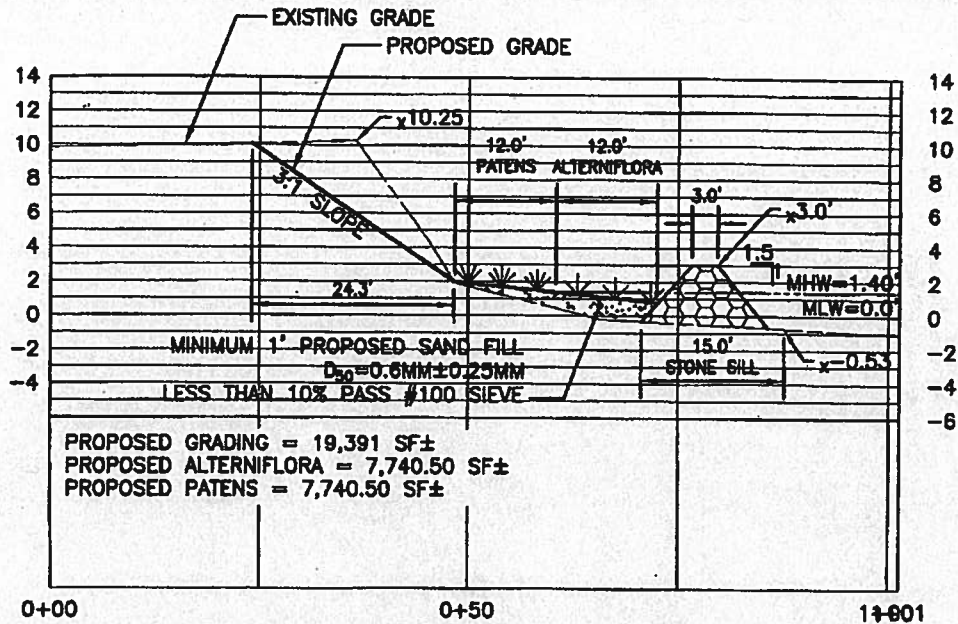


SECTION D - HIGH PROFILE RIPRAP

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

18-WL-0346
201860999
160845

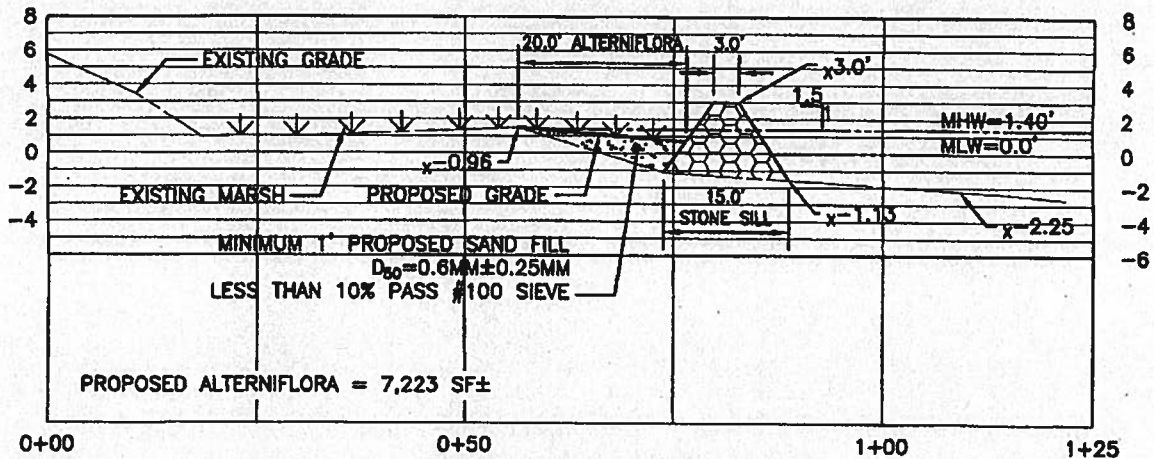
SHEET No. 19 OF 21	DETAILS	Lane Engineering, LLC Established 1986 Civil Engineers • Land Planning • Land Surveyors  E-mail: general@lane.com 117 Bay St. Easton, MD 21601 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 354 Pennsylvania Ave. Centerville, MD 21617 (410) 758-2065
	ON THE LANDS OF MYSONS LEGACY, LLC ST. MICHAELS, MARYLAND	
	TALBOT COUNTY, MARYLAND TAX MAP 32, GRID 17, PARCEL 101	
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SECTION E - LIVING SHORELINE

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 10'



SECTION F - LIVING SHORELINE

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 10'

18-WL-0346
201860599
160843

FILE No. 5102
JOB No. 170307
SCALE: AS NOTED
DATE: AS NOTED
SHEET No. 20 OF 21

DETAILS

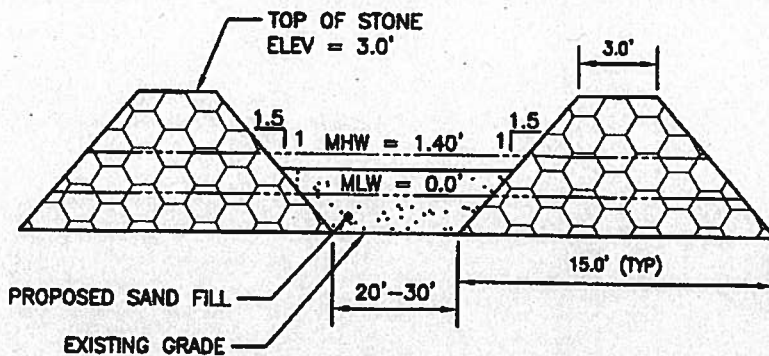
**ON THE LANDS OF
MYSONS LEGACY, LLC
ST. MICHAELS, MARYLAND**

TALBOT COUNTY, MARYLAND
TAX MAP 32, GRID 17, PARCEL 101

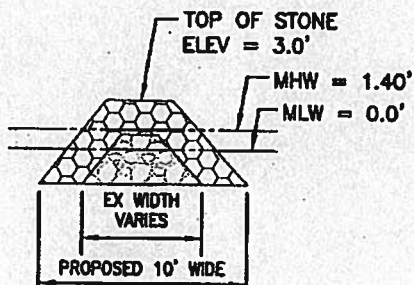
Lane Engineering, LLC

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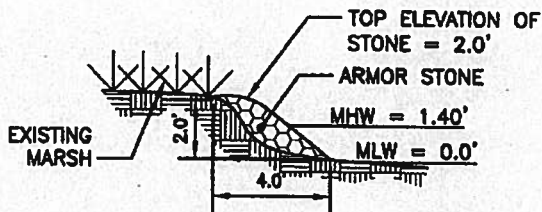
E-mail: general@leinc.com
117 Bay St. Easton, MD 21801 (410) 822-8003
15 Washington St. Cambridge, MD 21813 (410) 221-0818
334 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2095



STONE SILL WINDOW DETAIL
NOT TO SCALE




GROIN END VIEW
MAINTENANCE DETAIL
NOT TO SCALE



MARSH EDGING DETAIL
NOT TO SCALE

18-WL-0846
201860599
160845

SHEET No. 21 OF 21	DETAILS	Lane Engineering, LLC Established 1988 Civil Engineers • Land Planning • Land Surveyors  E-mail: general@lane.com 117 Bay St. Easton, MD 21801 (410) 822-8003 15 Washington St. Cambridge, MD 21613 (410) 221-0818 354 Pennsylvania Ave. Centreville, MD 21617 (410) 758-2085
	ON THE LANDS OF MYSONS LEGACY, LLC ST. MICHAELS, MARYLAND	
	TALBOT COUNTY, MARYLAND TAX MAP 32, GRID 17, PARCEL 101	
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