



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

Baltimore District
PN-24-12

Public Notice

**In Reply to Application Number
NAB-2024-60034-M51 (Talisman Plantation, LLC/Living
Shoreline)**

Comment Period: April 16, 2024 to May 16, 2024

THE PURPOSE OF THIS PUBLIC NOTICE IS TO INFORM INTERESTED PARTIES OF THE PROPOSED ACTIVITY AND TO SOLICIT COMMENTS. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act (33 USC 403) and Section 404 of the Clean Water Act (33 USC 1344), as described below:

APPLICANT:

Talisman Plantation, LLC
300 Talisman Farm Circle
Grasonville, Maryland 21638

WATERWAY AND LOCATION OF THE PROPOSED WORK:

The proposed project is located in Prospect Bay, in Grasonville, Queen Anne's County, Maryland (Latitude: 38.93106, Longitude: -76.20169).

OVERALL PROJECT PURPOSE:

To provide shoreline erosion control and to establish and enhance habitat at 300 Talisman Farm Circle in Grasonville, Queen Anne's County, Maryland.

PROJECT DESCRIPTION:

The applicant proposes, in accordance with the attached plans, to stabilize approximately 2,954 linear feet of shoreline utilizing a living shoreline design within an approximate 3.39-acre impact area (2.22 acres permanent impacts; 1.17 acre temporary impacts) as follows: to temporarily emplace marsh matting within nontidal and tidal wetlands for construction access; to emplace approximately 190 cubic yards of stone for scour protection and invasive species (*Phragmites australis*) containment; to construct 20 stone breakwaters totaling approximately 1,308 linear feet (17,381.3 square feet) with 2,524 cubic yards of clean sand backfill for sand tombolos and 31 cubic yards of cobble for beach protection; and establishment of approximately 36,154 square feet (0.83 acres) of low marsh vegetation (*Spartina alterniflora*) and

13,503 square feet (0.31 acres) of high marsh vegetation (*S. patens*), all within the sand tombolo areas; all extending a maximum of approximately 46 feet from the approximate mean high water shoreline.

The applicant proposes to impact approximately 27,235.6 square feet (0.63 acres) of submerged aquatic vegetation (SAV), as mapped by the Virginia Institute of Marine Sciences from 2018 through 2022.

EFFECTS ON AQUATIC RESOURCES:

	Aquatic Resource Impacts (square feet)			Authority
	Temporary	Permanent	Total	
Unvegetated Open Water	15,589	69,223	84,812	Section 10/404
Submerged Aquatic Vegetation	20,539	27,236	47,775	
Emergent Tidal Wetland	9,594	274	9,868	
Emergent Non-Tidal Wetland	5,275	0	5,275	
Total	50,997	96,733	147,730	

LEAD FEDERAL AGENCY:

The United States Army Corps of Engineers (Corps), as the lead federal agency, is responsible for all coordination pursuant to applicable federal authorities.

APPLICANT'S PROPOSED AVOIDANCE, MINIMIZATION, AND COMPENSATORY MITIGATION:

As part of the planning process, steps were taken to avoid and minimize impacts to aquatic resources to the maximum extent practicable based on existing site conditions. The applicant proposes to avoid and minimize impacts by designing the 20 breakwater structures to be the minimum channel ward extent necessary (less than 50 feet) to provide reduced wave energy, protect against shoreline erosion, and to provide for coastal resiliency.

The applicant's initial design included an approximately 3.74-acre area of permanent impact area inclusive of approximately 1.75 acres of permanent impacts to SAV. The initial design was reduced and minimized in response to agency comments during a

pre-application meeting held November 2, 2023. The current redesign includes approximately 2.22 acres of permanent impact (41% reduction), and 0.63 acres of impact to SAV (64% reduction).

Upon project completion, an approximately 1.09-acre area of marsh habitat would be established consisting of 34,154 square feet of *Spartina alterniflora* and 13,503 square feet of *S. patens*. Additionally, the project would preserve the headland protecting an approximately 8.0-acre area of SAV within Hoghole Creek.

Further, as a best-management practice, the applicant proposes uses of temporary construction access matting in nontidal and tidal wetlands. The marsh mats would minimize impacts to existing wetland vegetation/benthic substrate, and all temporarily disturbed wetland areas are proposed to be restored to pre-existing conditions post-construction.

CORPS EVALUATION REQUIREMENTS:

This project will be evaluated pursuant to Corps Regulatory Program Regulations (33 CFR Parts 320-332). The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which 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 proposal 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 impact of this project will also include application of the Clean Water Act Section 404(b)(1) Guidelines promulgated by the Administrator, United States Environmental Protection Agency.

ENDANGERED SPECIES:

A preliminary review of this application indicates that the proposed work will have no effect federally listed threatened or endangered species or their critical habitat, pursuant to Section 7 of the Endangered Species Act, as amended. The project site is intertidal and subtidal estuarine waters less than 3 feet mean high water. Therefore, the action area would not be suitable habitat for threatened or endangered sturgeon and/or sea turtles. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

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 affect Essential Fish Habitat (EFH), including species of concern, life cycle habitat, or Habitat Areas of Particular Concern. The project site lies in or adjacent to EFH as described under MSFCMA for managed species under the MSFCMA. The Baltimore District has made a preliminary determination that the project will not have a substantial adverse effect on EFH. The Baltimore District has made a preliminary determination that mitigative measures are not required to minimize adverse effects on EFH at this time. This determination may be modified if additional information indicates otherwise.

HISTORIC RESOURCES:

Pursuant to Section 106 of the National Historic Preservation Act of 1966 and applicable guidance, the Corps has reviewed the latest published version of the National Register of Historic Places and initially determined that registered properties listed as eligible for inclusion, therein, are located at the site of the proposed work. The Corps has made the preliminary determination that the proposed project would have no adverse effect on historic properties. The Corps final eligibility and effect determination will be based on coordination with the State Historic Preservation Office as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps' identified permit area.

TRIBAL RESOURCES:

Section 106 of the National Historic Preservation Act also requires federal agencies to consult with federally recognized American Indian tribes that attach religious and cultural significance to historic properties that may be affected by the agency's undertaking. Corps Tribal Consultation Policy mandates an open, timely, meaningful, collaborative, and effective deliberative communication process that emphasizes trust, respect, and shared responsibility. The policy further emphasizes that, to the extent practicable and permitted by law, consultation works toward mutual consensus and begins at the earliest planning stages before decisions are made and actions taken. The Corps final eligibility and effect determination will be based on coordination with interested tribes, in accordance with the Corps current tribal standard operating procedures as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on tribal resources.

MODIFICATION OF CIVIL WORKS PROJECTS: 33 USC 408 (SECTION 408):

All Section 408 proposals will be coordinated internally at the United States Army Corps of Engineers. The Section 408 decision will be issued along with the Section 404 and/or Section 10 decision. Please see the following link for more information regarding Section 408: <https://www.nab.usace.army.mil/Missions/Regulatory/Section-408-Requests/>.

WATER QUALITY CERTIFICATION:

The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act.

COASTAL ZONE MANAGEMENT PROGRAMS:

Where applicable, the applicant has certified in this application that the proposed activity 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 applicant's consistency statement.

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

SUBMISSION OF COMMENTS:

The Corps of Engineers is soliciting comments from the public; federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments provided will become part of the public record for this action and are subject to release to the public through the Freedom of Information Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the United States Army Corps of Engineers, Baltimore District within the comment period specified above through postal

mail at the address below or electronic submission to the project manager email address below. Written comments should reference the Application Number NAB-2024-60034-M51.

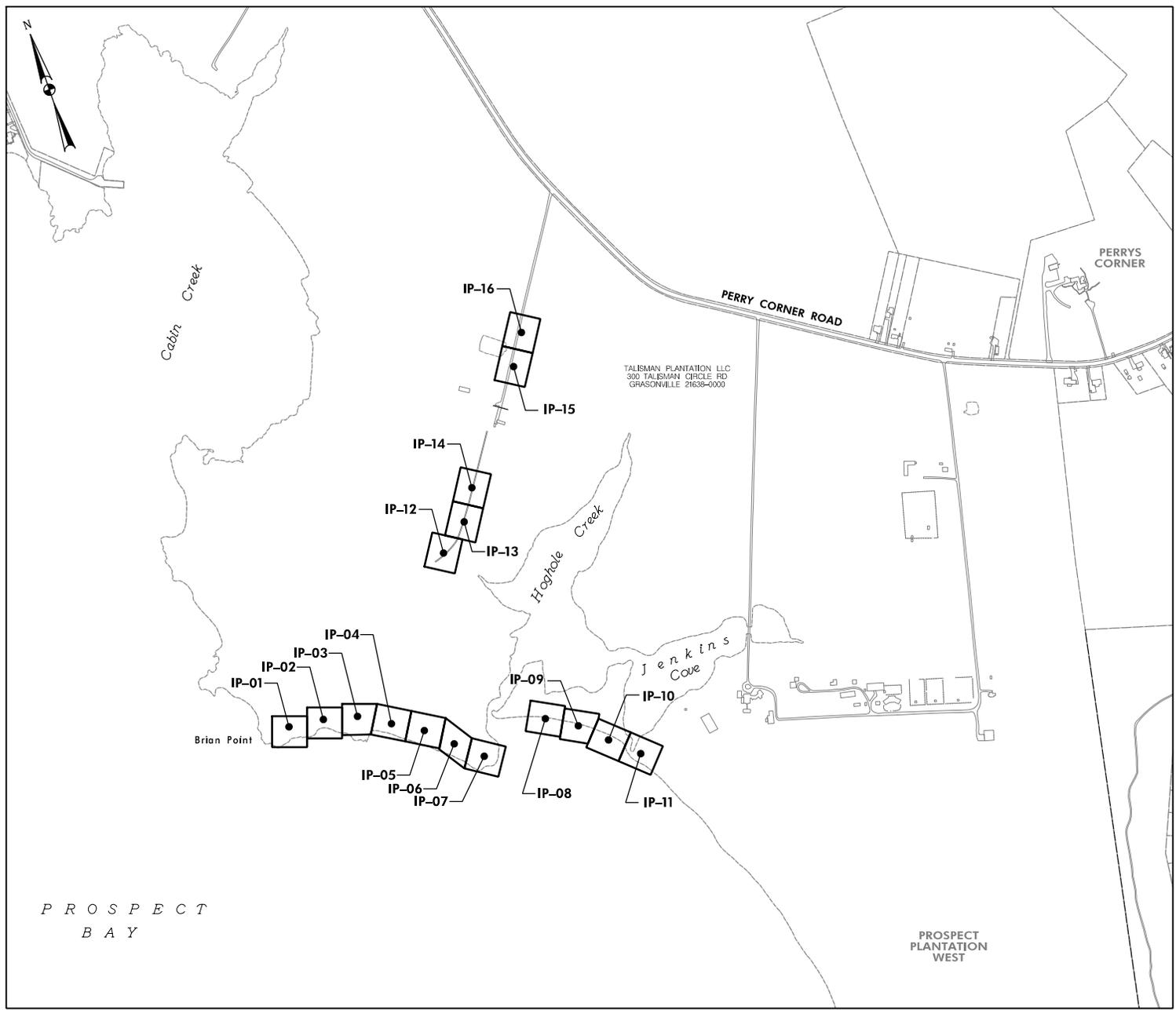
PUBLIC HEARING REQUESTS:

Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received within the comment period as specified above to receive consideration. Also, it must clearly set forth the interest which may be adversely affected by this activity and the manner in which the interest may be adversely affected. The public hearing request may be submitted by electronic mail or mailed to the following address:

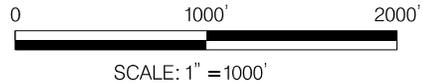
Ms. Megan Spindler
megan.l.spindler@usace.army.mil
United States Army Corps of Engineers, Baltimore District
Regulatory Branch
218 North Washington Street, Suite 304
Easton, Maryland 21601

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

General information regarding the Corps' permitting process can be found on our website at <https://www.nab.usace.army.mil/Missions/Regulatory.aspx>. This public notice has been prepared in accordance with Corps implementing regulations at 33 CFR 325.3. If you have any questions concerning this specific project or would like to request a paper copy of this public notice, please contact Ms. Megan Spindler at (410) 207-9987, or at megan.l.spindler@usace.army.mil with NAB-2024-60034-M51 in the subject line. This public notice is issued by the Chief, Regulatory Branch.



TALISMAN PLANTATION LLC
300 TALISMAN CIRCLE RD
GRASONVILLE 21638-0000



WATERS AND WETLAND IMPACT TOTALS

WATERS OF THE U.S.	SF	MDE TIDAL STATE WETLAND	SF	MDE TIDAL PRIVATE WETLAND	SF	25' NON-TIDAL WETLAND BUFFER	SF
MDE - TEMPORARY	32,875	MDE - PERMANENT	1,038	MDE - PERMANENT	14,082	MDE - PERMANENT	0
MDE - PERMANENT	81,046					MDE - TEMPORARY	12,834
FEMA 100 YR FLOODPLAIN IMPACT	SF						
MDE - PERMANENT	113,216						

WATERS OF THE U.S.	SF	TIDAL WETLAND	SF	NON-TIDAL WETLAND	SF
USACE - TEMPORARY	36,128	USACE TIDAL WETLAND TEMPORARY	9,594	USACE NON-TIDAL WETLAND TEMPORARY	5,275
USACE - PERMANENT	96,459	USACE TIDAL WETLAND PERMANENT	274	USACE NON-TIDAL WETLAND PERMANENT	0

TALISMAN PLANTATION LLC LIVING SHORELINE INDEX OF PLATES

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

SCALE : 1" = 30' DATE : MARCH 2024

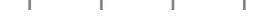
DRAWING NO. IN-01 OF IN-01 SHEET NO. 01 OF 18



DATE: 3/29/2024

FILE PATH: X:\Projects\2023 Projects\23-55-100 CWCA - Talisman\CAD\Plan\Impact Plates\pkE-001_Talisman.dgn

EXISTING FEATURES LEGEND

	PROPERTY BOUNDARY
	EX. MAJOR CONTOURS
 498	EX. MINOR CONTOURS
 MHW	EX. MEAN HIGH WATER ELEV. 0.97 (MLW)
 MLW	EX. MEAN LOW WATER ELEV. 0.00 (MLW)
 HTL	EX. HIGH TIDE LINE ELEV. 2.41 (MLW)
 MHHW	EX. MEAN HIGHER HIGH WATER ELEV. 1.21 (MLW)
	EX. ROADS
	EX. TREELINE
	FEMA EX. 100 YR FLOODPLAIN
	EX. WETLAND
 ECAB	EX. EXPANDED CRITICAL AREA BUFFER

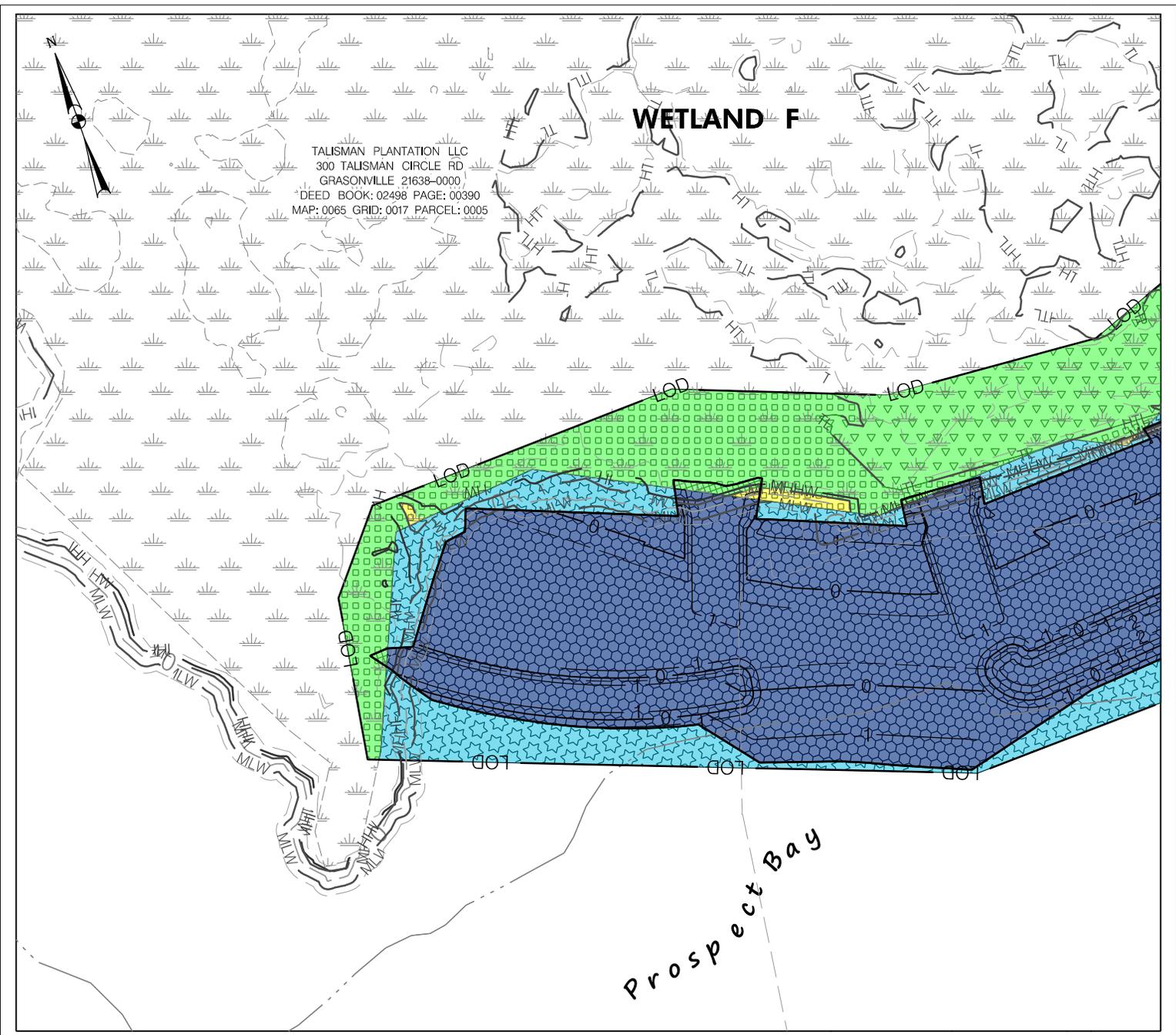
STABILIZATION LEGEND

	LOD		LIMIT OF DISTURBANCE
	LOA		LIMIT OF ACCESS
			PROPOSED MAJOR CONTOURS
			PROPOSED MINOR CONTOURS
			LIMITS OF GRADING



TALISMAN PLANTATION LLC LIVING SHORELINE KEY SHEET	
300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638	
DRAWN BY : <u>JB</u>	
DESIGNED BY : <u>JM</u>	
REVIEWED BY : <u>KR,SF</u>	
SCALE : <u>NA</u>	DATE : <u>MARCH 2024</u>
DRAWING NO. KE-01 OF KE-01	SHEET NO. 02 OF 18

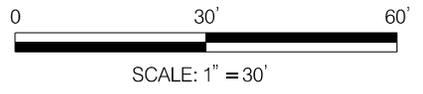
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WATERS AND WETLAND IMPACTS

<u>WATERS OF THE U.S.</u>	
	MDE - TEMPORARY - 1,753 SF
	MDE - PERMANENT - 7,126 SF
<u>MDE TIDAL STATE WETLAND</u>	
	MDE - PERMANENT - 70 SF
<u>MDE TIDAL PRIVATE WETLAND</u>	
	MDE - PERMANENT - 3,067 SF
<u>25' NON-TIDAL WETLAND BUFFER</u>	
	MDE - PERMANENT - 0 SF
	MDE - TEMPORARY - 0 SF

<u>WATERS OF THE U.S.</u>	
	USACE - TEMPORARY - 1,753 SF
	USACE - PERMANENT - 7,126 SF
<u>TIDAL WETLANDS</u>	
	USACE TIDAL WETLANDS - 1,825 SF TEMPORARY
	USACE TIDAL WETLANDS - 58 SF PERMANENT
<u>NON-TIDAL WETLANDS</u>	
	USACE NON-TIDAL WETLANDS - 1,261 SF TEMPORARY
	USACE NON-TIDAL WETLANDS - 0 SF PERMANENT



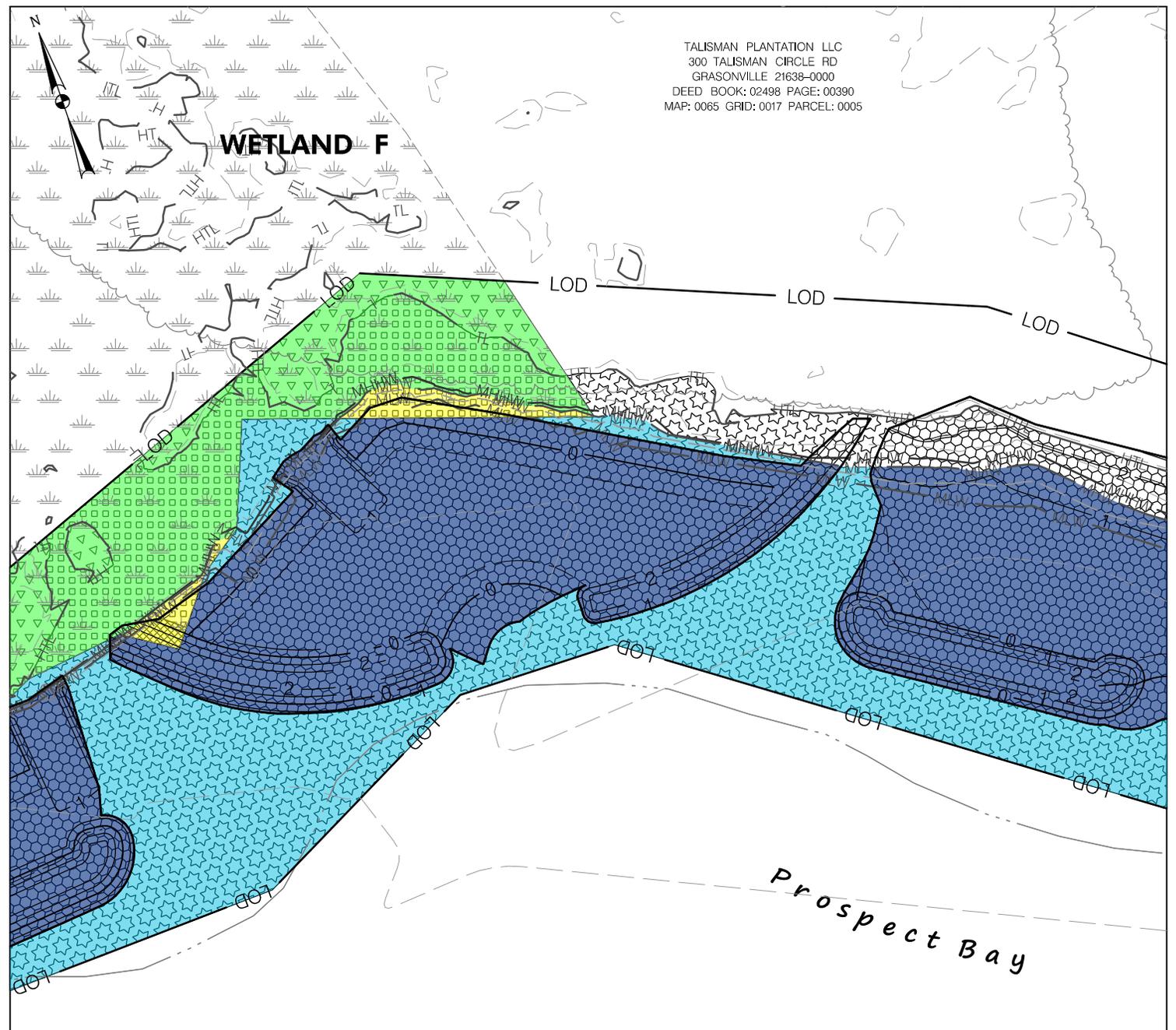
TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES			
300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638			
DRAWN BY : JB		DESIGNED BY : JM	
REVIEWED BY : KR,SF		SCALE : 1" = 30'	
DRAWING NO. IP-01 OF IP-16		DATE : MARCH 2024	
SHEET NO. 03 OF 18			



TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
 DEED BOOK: 02498 PAGE: 00390
 MAP: 0065 GRID: 0017 PARCEL: 0005

DATE: 3/29/2024

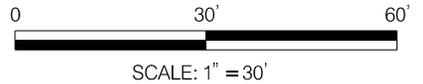
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WATERS AND WETLAND IMPACTS

<u>WATERS OF THE U.S.</u>	
	MDE - TEMPORARY - 5,284 SF
	MDE - PERMANENT - 8,648 SF
<u>MDE TIDAL STATE WETLAND</u>	
	MDE - PERMANENT - 299 SF
<u>MDE TIDAL PRIVATE WETLAND</u>	
	MDE - PERMANENT - 2,766 SF
<u>25' NON-TIDAL WETLAND BUFFER</u>	
	MDE - PERMANENT - 0 SF
	MDE - TEMPORARY - 0 SF

<u>WATERS OF THE U.S.</u>	
	USACE - TEMPORARY - 5,805 SF
	USACE - PERMANENT - 9,241 SF
<u>TIDAL WETLANDS</u>	
	USACE TIDAL WETLANDS - 2,090 SF TEMPORARY
	USACE TIDAL WETLANDS - 53 SF PERMANENT
<u>NON-TIDAL WETLANDS</u>	
	USACE NON-TIDAL WETLANDS - 929 SF TEMPORARY
	USACE NON-TIDAL WETLANDS - 0 SF PERMANENT



**TALISMAN PLANTATION LLC LIVING SHORELINE
 IMPACT PLATES**

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

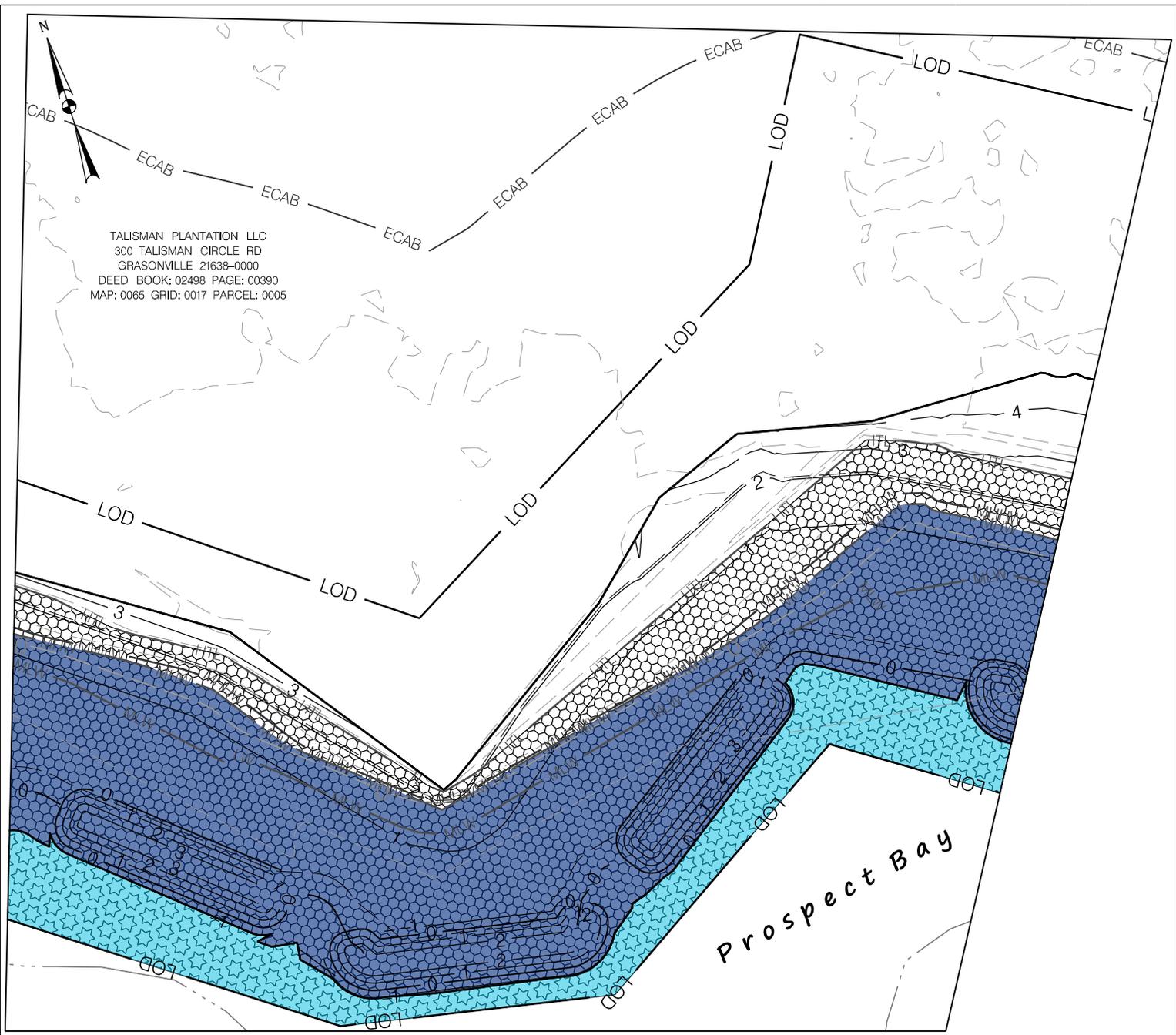
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DATE: 3/29/2024

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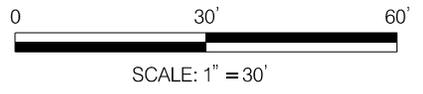


TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
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WATERS AND WETLAND IMPACTS

<u>WATERS OF THE U.S.</u>	
	MDE - TEMPORARY - 2,472 SF
	MDE - PERMANENT - 8,291 SF
<u>MDE TIDAL STATE WETLAND</u>	
	MDE - PERMANENT - 0 SF
<u>MDE TIDAL PRIVATE WETLAND</u>	
	MDE - PERMANENT - 0 SF
<u>25' NON-TIDAL WETLAND BUFFER</u>	
	MDE - PERMANENT - 0 SF
	MDE - TEMPORARY - 0 SF

<u>WATERS OF THE U.S.</u>	
	USACE - TEMPORARY - 2,472 SF
	USACE - PERMANENT - 10,576 SF
<u>TIDAL WETLANDS</u>	
	USACE TIDAL WETLANDS - 0 SF TEMPORARY
	USACE TIDAL WETLANDS - 0 SF PERMANENT
<u>NON-TIDAL WETLANDS</u>	
	USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
	USACE NON-TIDAL WETLANDS - 0 SF PERMANENT



**TALISMAN PLANTATION LLC LIVING SHORELINE
 IMPACT PLATES**

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

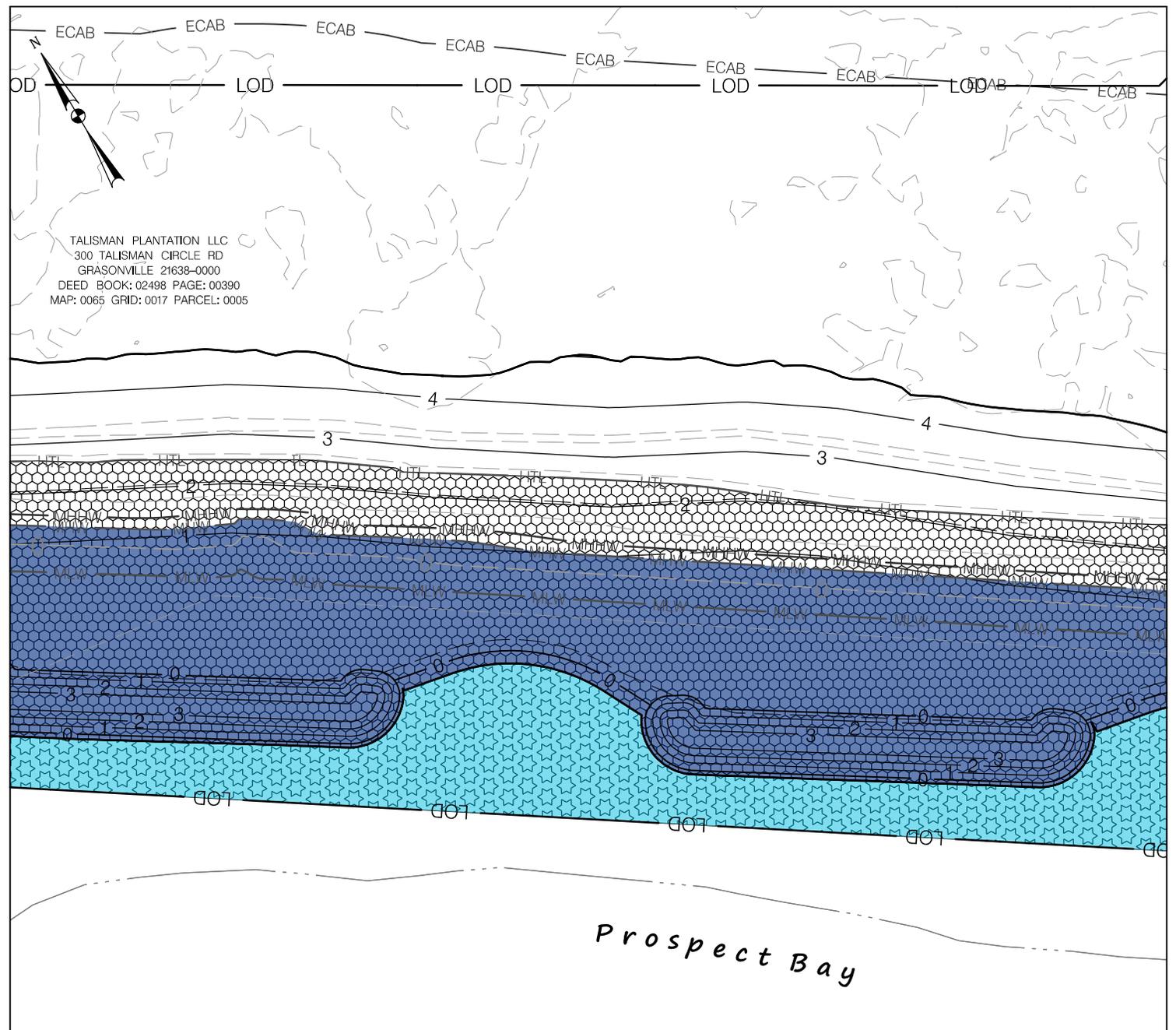
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SCALE : 1" = 30' DATE : MARCH 2024



DATE: 3/29/2024

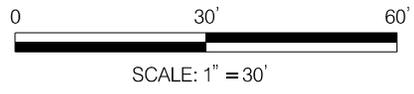
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TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
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WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
 MDE - TEMPORARY - 3,670 SF	 USACE - TEMPORARY - 3,669 SF		
 MDE - PERMANENT - 8,870 SF	 USACE - PERMANENT - 12,078 SF		
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
 MDE - PERMANENT - 0 SF	 USACE TIDAL WETLANDS - 0 SF	TEMPORARY	
MDE TIDAL PRIVATE WETLAND		 USACE TIDAL WETLANDS - 0 SF	
 MDE - PERMANENT - 0 SF	PERMANENT		
25' NON-TIDAL WETLAND BUFFER		NON-TIDAL WETLANDS	
 MDE - PERMANENT - 0 SF	 USACE NON-TIDAL WETLANDS - 0 SF		TEMPORARY
 MDE - TEMPORARY - 0 SF	 USACE NON-TIDAL WETLANDS - 0 SF		PERMANENT



TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

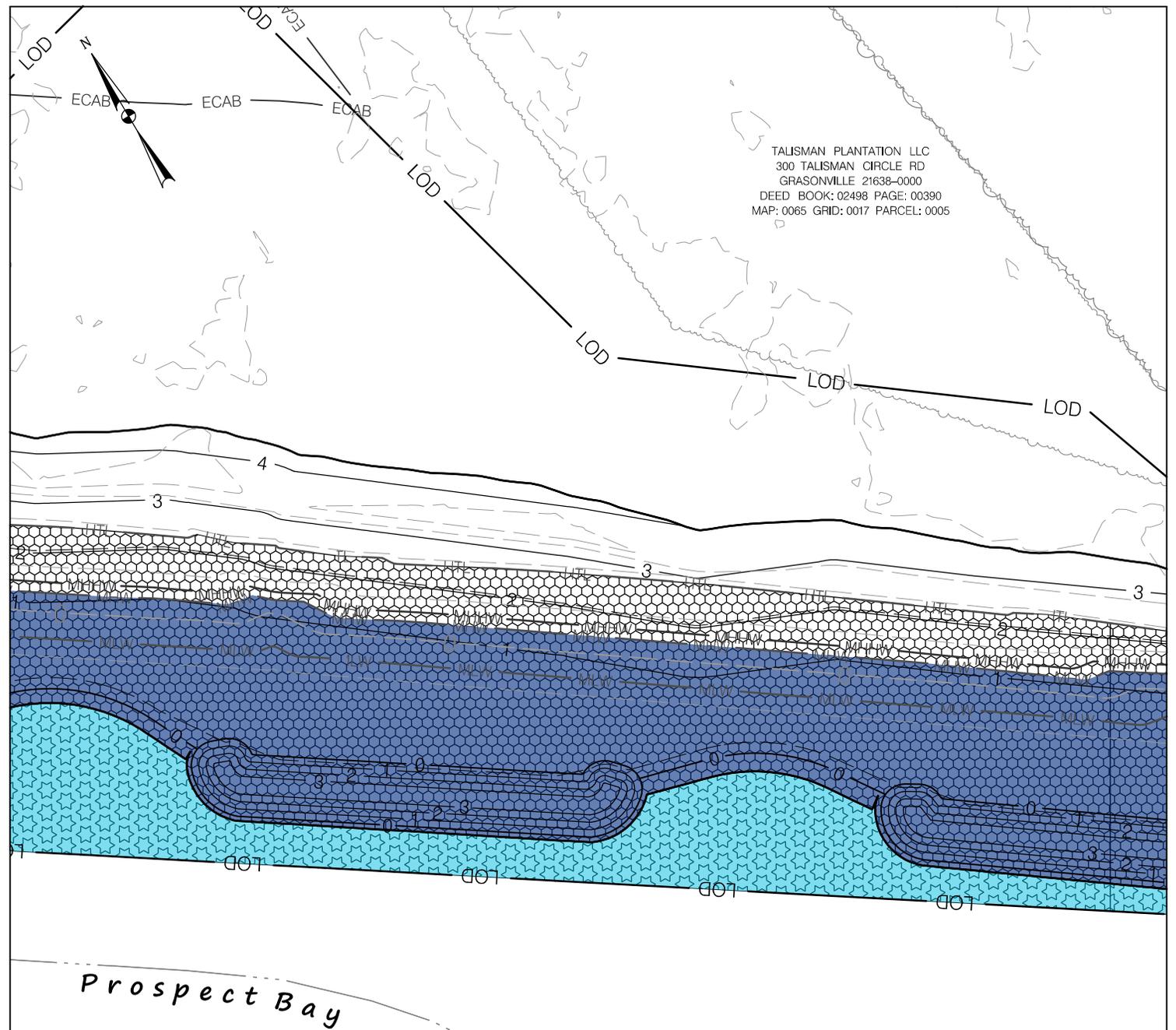
SCALE : 1" = 30' DATE : MARCH 2024

DRAWING NO. IP-04 OF IP-16 SHEET NO. 06 OF 18



DATE: 3/29/2024

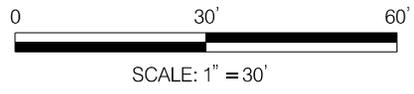
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TALISMAN PLANTATION LLC
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WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
	MDE - TEMPORARY - 3,170 SF		USACE - TEMPORARY - 3,170 SF
	MDE - PERMANENT - 7,961 SF		USACE - PERMANENT - 10,656 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
	MDE - PERMANENT - 0 SF		USACE TIDAL WETLANDS - 0 SF TEMPORARY
MDE TIDAL PRIVATE WETLAND			USACE TIDAL WETLANDS - 0 SF PERMANENT
	MDE - PERMANENT - 0 SF	NON-TIDAL WETLANDS	
25' NON-TIDAL WETLAND BUFFER			USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
	MDE - PERMANENT - 0 SF		USACE NON-TIDAL WETLANDS - 0 SF PERMANENT
	MDE - TEMPORARY - 0 SF		



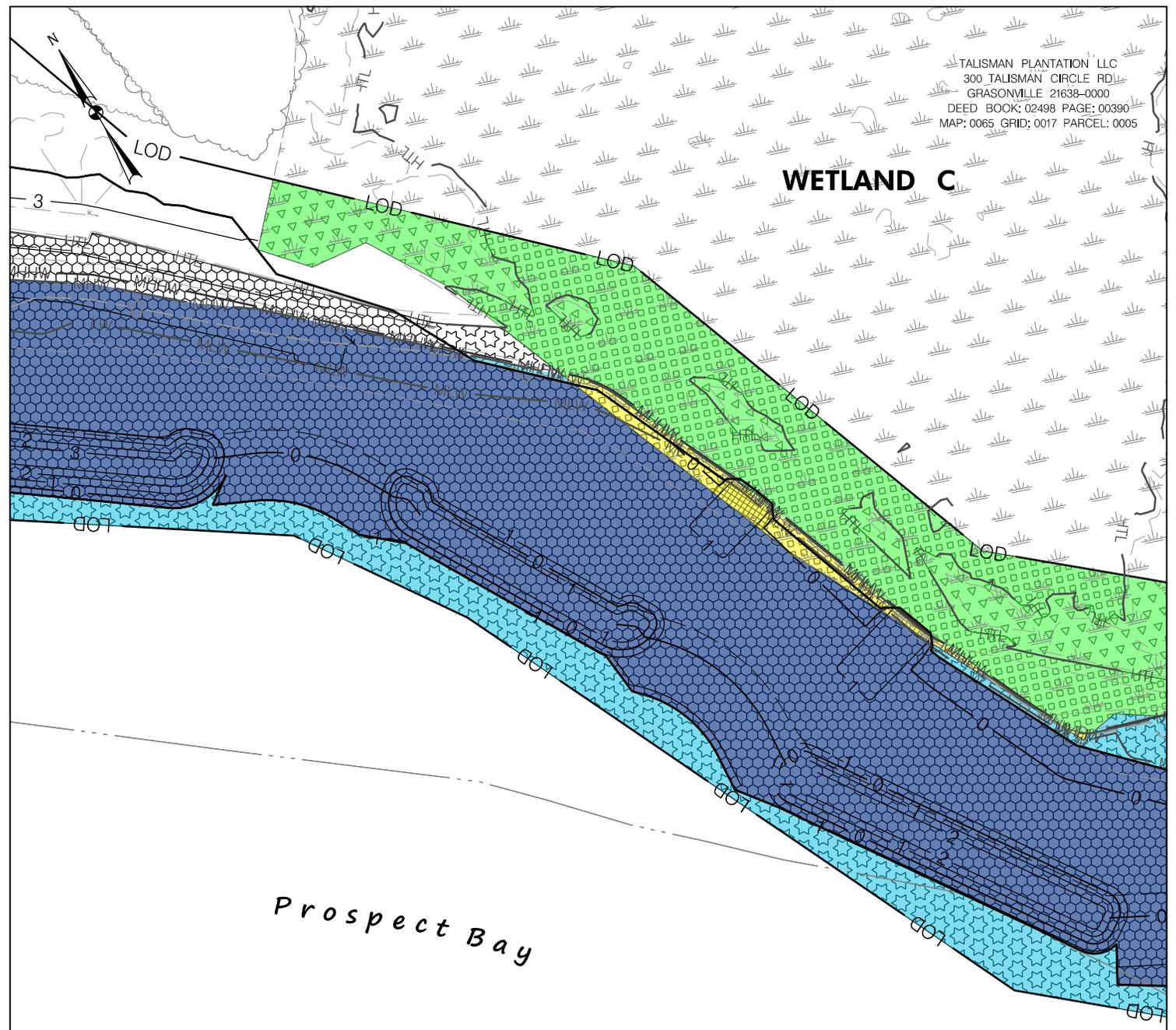
TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES	
300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638	
DRAWN BY : <u>JB</u>	
DESIGNED BY : <u>JM</u>	
REVIEWED BY : <u>KR,SF</u>	
SCALE : <u>1" = 30'</u>	DATE : <u>MARCH 2024</u>
DRAWING NO. <u>IP-05</u> OF <u>IP-16</u>	SHEET NO. <u>07</u> OF <u>18</u>



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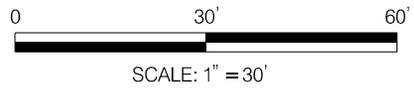
DATE: 3/28/2024

TALISMAN PLANTATION LLC
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WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
	MDE - TEMPORARY - 2,071 SF		USACE - TEMPORARY - 2,198
	MDE - PERMANENT - 10,592 SF		USACE - PERMANENT - 11,235 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
	MDE - PERMANENT - 339 SF		USACE TIDAL WETLANDS - 3,039 SF TEMPORARY
MDE TIDAL PRIVATE WETLAND			USACE TIDAL WETLANDS - 93 SF PERMANENT
	MDE - PERMANENT - 4,215 SF	NON-TIDAL WETLANDS	
25' NON-TIDAL WETLAND BUFFER			USACE NON-TIDAL WETLANDS - 1,439 SF TEMPORARY
	MDE - PERMANENT - 0 SF		USACE NON-TIDAL WETLANDS - 0 SF PERMANENT
	MDE - TEMPORARY - 0 SF		



**TALISMAN PLANTATION LLC LIVING SHORELINE
 IMPACT PLATES**

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

SCALE : 1" = 30' DATE : MARCH 2024

DRAWING NO. IP-06 OF IP-16 SHEET NO. 08 OF 18

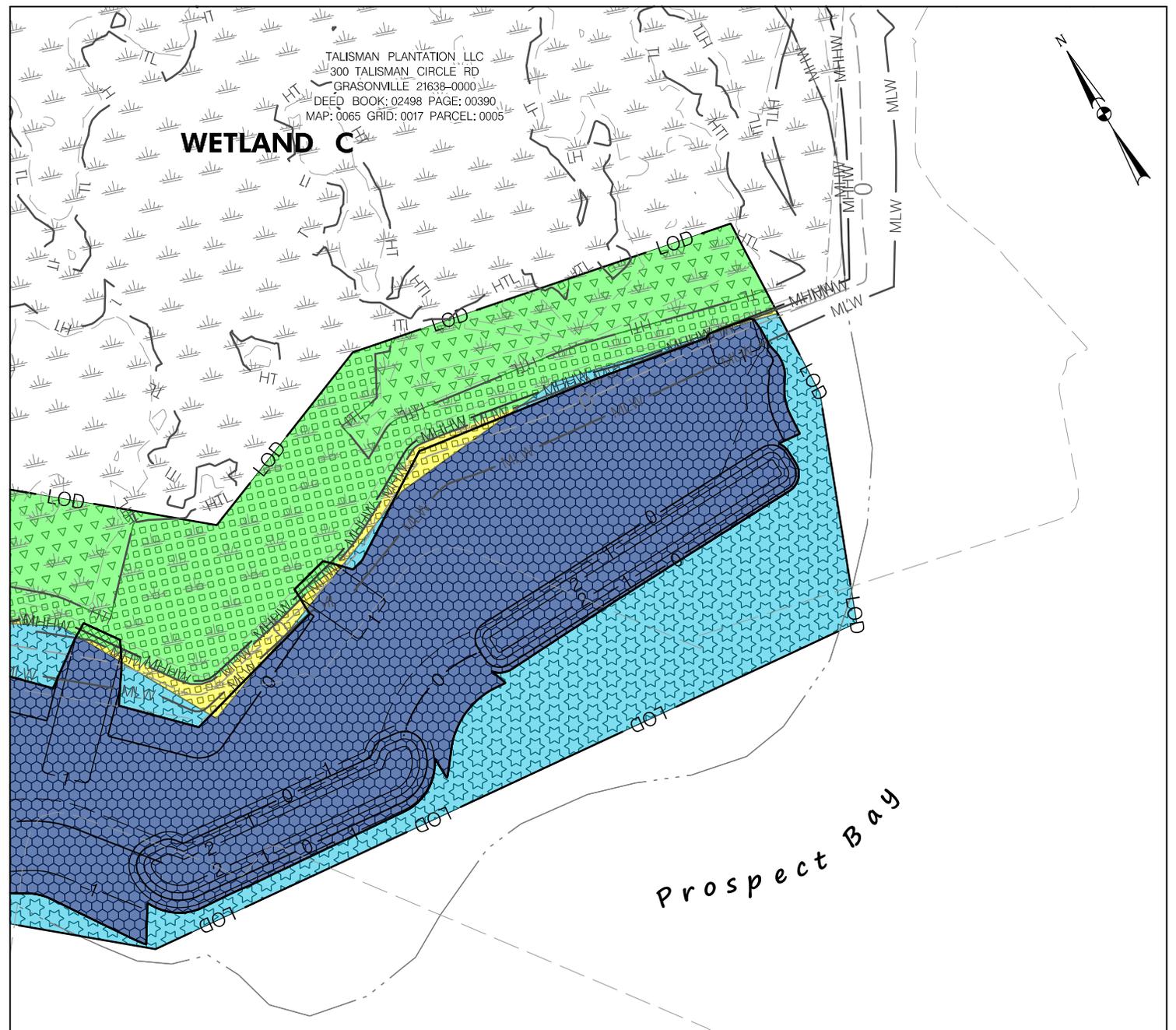


DATE: 3/29/2024

FILE PATH: X:\Projects\2023 Projects\23-05-100 CWCA - Talisman\CAD\Plan\Impact Plates\ip-0007_Talisman.dgn

TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
 DEED BOOK: 02498 PAGE: 00390
 MAP: 0065 GRID: 0017 PARCEL: 0005

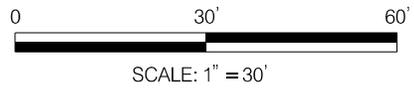
WETLAND C



WATERS AND WETLAND IMPACTS

<u>WATERS OF THE U.S.</u>	
	MDE - TEMPORARY - 3,140 SF
	MDE - PERMANENT - 7,490 SF
<u>MDE TIDAL STATE WETLAND</u>	
	MDE - PERMANENT - 330 SF
<u>MDE TIDAL PRIVATE WETLAND</u>	
	MDE - PERMANENT - 4,034 SF
<u>25' NON-TIDAL WETLAND BUFFER</u>	
	MDE - PERMANENT - 0 SF
	MDE - TEMPORARY - 0 SF

<u>WATERS OF THE U.S.</u>	
	USACE - TEMPORARY - 3,140 SF
	USACE - PERMANENT - 7,490 SF
<u>TIDAL WETLANDS</u>	
	USACE TIDAL WETLANDS - 2,640 SF TEMPORARY
	USACE TIDAL WETLANDS - 70 SF PERMANENT
<u>NON-TIDAL WETLANDS</u>	
	USACE NON-TIDAL WETLANDS - 1,646 SF TEMPORARY
	USACE NON-TIDAL WETLANDS - 0 SF PERMANENT



**TALISMAN PLANTATION LLC LIVING SHORELINE
 IMPACT PLATES**

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

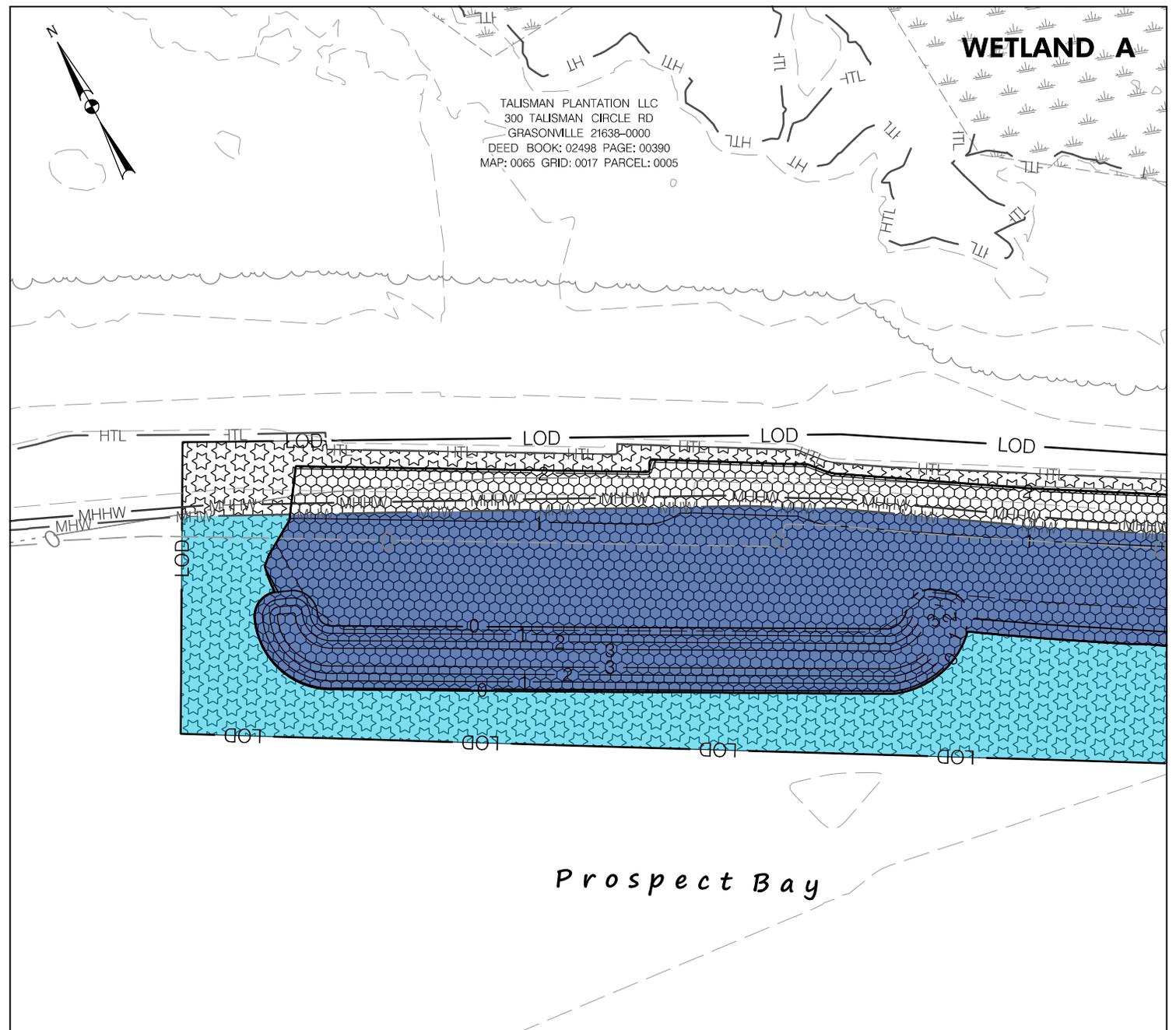
SCALE : 1" = 30' DATE : MARCH 2024

DRAWING NO. IP-07 OF IP-16 SHEET NO. 09 OF 18



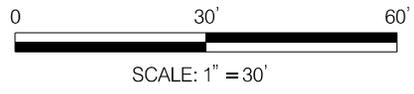
DATE: 3/29/2024

FILE PATH: X:\Projects\2023 Projects\23-05-100 CWCA - Talisman\CAD\Plan\Impact Plates\pl-0008_Talisman.dgn



WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
	MDE - TEMPORARY - 3,412 SF		USACE - TEMPORARY - 4,309 SF
	MDE - PERMANENT - 5,990 SF		USACE - PERMANENT - 7,433 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
	MDE - PERMANENT - 0 SF		USACE TIDAL WETLANDS - 0 SF TEMPORARY
MDE TIDAL PRIVATE WETLAND			USACE TIDAL WETLANDS - 0 SF PERMANENT
	MDE - PERMANENT - 0 SF	NON-TIDAL WETLANDS	
25' NON-TIDAL WETLAND BUFFER			USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
	MDE - PERMANENT - 0 SF		USACE NON-TIDAL WETLANDS - 0 SF PERMANENT
	MDE - TEMPORARY - 0 SF		



TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

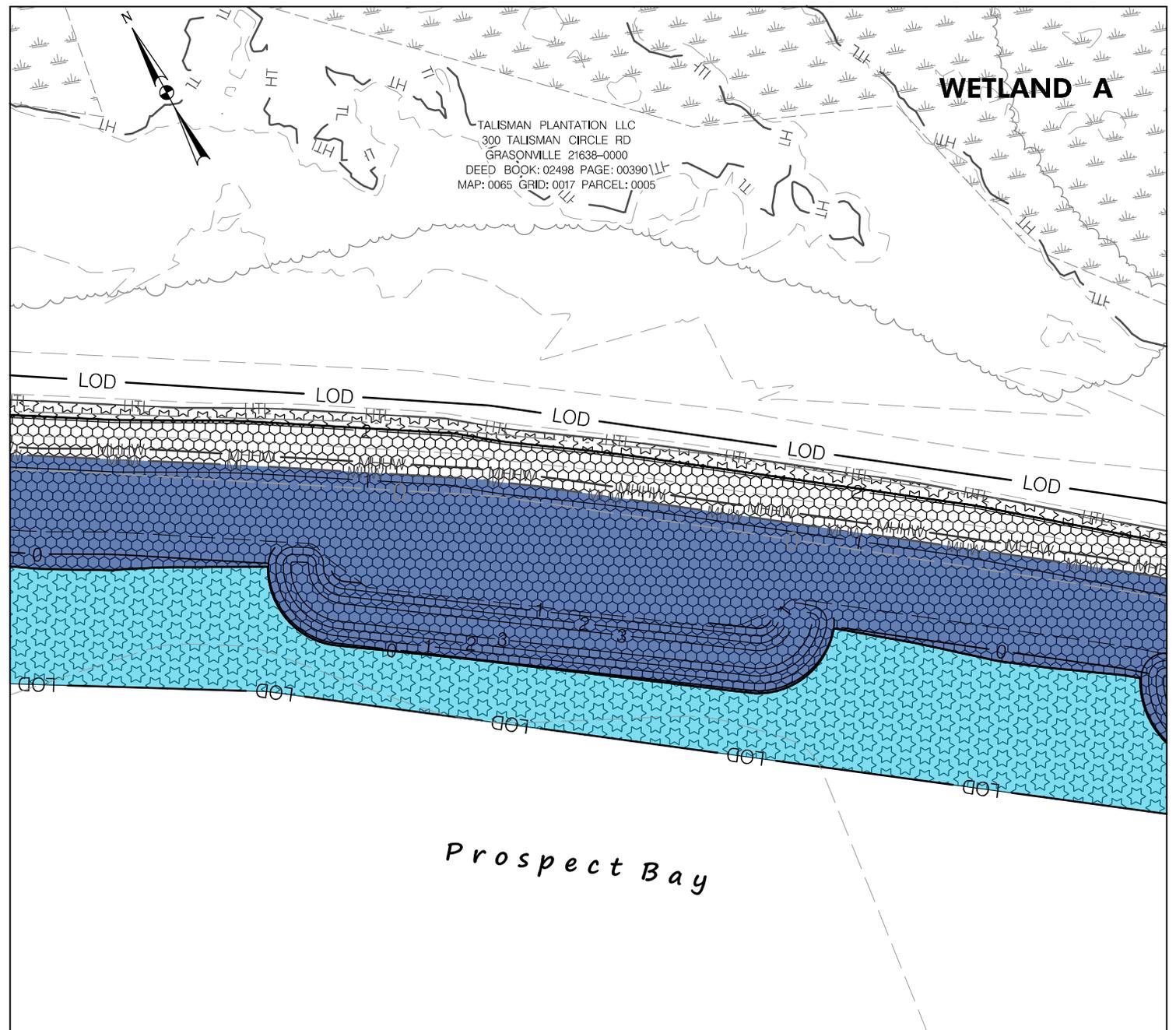
SCALE : 1" = 30' DATE : MARCH 2024

DRAWING NO. IP-08 OF IP-16 SHEET NO. 10 OF 18



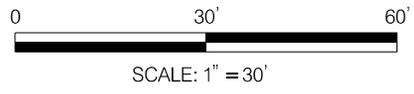
DATE: 3/29/2024

FILE PATH: X:\Projects\2023 Projects\22-05-100 CWCA - Talisman\CAD\Plan\Impact Plates\ipf-0009_Talisman.dgn



WATERS AND WETLAND IMPACTS

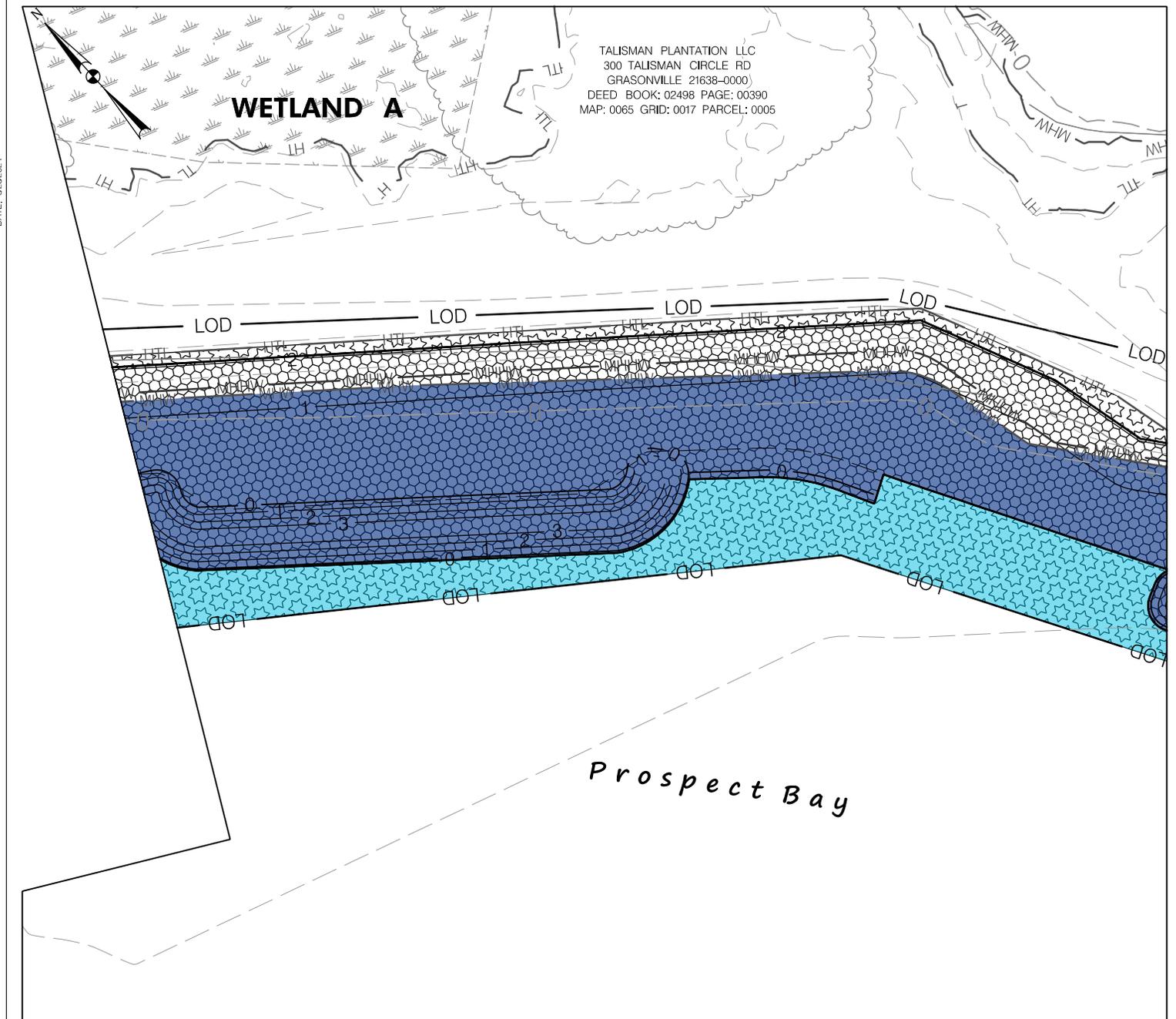
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	MDE - TEMPORARY - 4,527 SF		USACE - TEMPORARY - 5,187 SF
	MDE - PERMANENT - 6,584 SF		USACE - PERMANENT - 8,581 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
	MDE - PERMANENT - 0 SF		USACE TIDAL WETLANDS - 0 SF TEMPORARY
MDE TIDAL PRIVATE WETLAND			USACE TIDAL WETLANDS - 0 SF PERMANENT
	MDE - PERMANENT - 0 SF	NON-TIDAL WETLANDS	
25' NON-TIDAL WETLAND BUFFER			USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
	MDE - PERMANENT - 0 SF		USACE NON-TIDAL WETLANDS - 0 SF PERMANENT
	MDE - TEMPORARY - 0 SF		



TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES	
300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638	
DRAWN BY :	JB
DESIGNED BY :	JM
REVIEWED BY :	KR,SF
SCALE :	1" = 30'
DATE :	MARCH 2024
DRAWING NO. IP-09 OF IP-16	SHEET NO. 11 OF 18



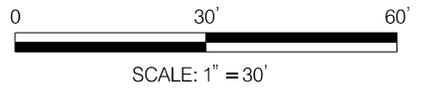
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 DATE: 3/29/2024



TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
 DEED BOOK: 02498 PAGE: 00390
 MAP: 0065 GRID: 0017 PARCEL: 0005

WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
	MDE - TEMPORARY - 2,626 SF		USACE - TEMPORARY - 3,186 SF
	MDE - PERMANENT - 5,964 SF		USACE - PERMANENT - 7,834 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
	MDE - PERMANENT - 0 SF		USACE TIDAL WETLANDS - 0 SF TEMPORARY
MDE TIDAL PRIVATE WETLAND			USACE TIDAL WETLANDS - 0 SF PERMANENT
	MDE - PERMANENT - 0 SF	NON-TIDAL WETLANDS	
25' NON-TIDAL WETLAND BUFFER			USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
	MDE - PERMANENT - 0 SF		USACE NON-TIDAL WETLANDS - 0 SF PERMANENT
	MDE - TEMPORARY - 0 SF		



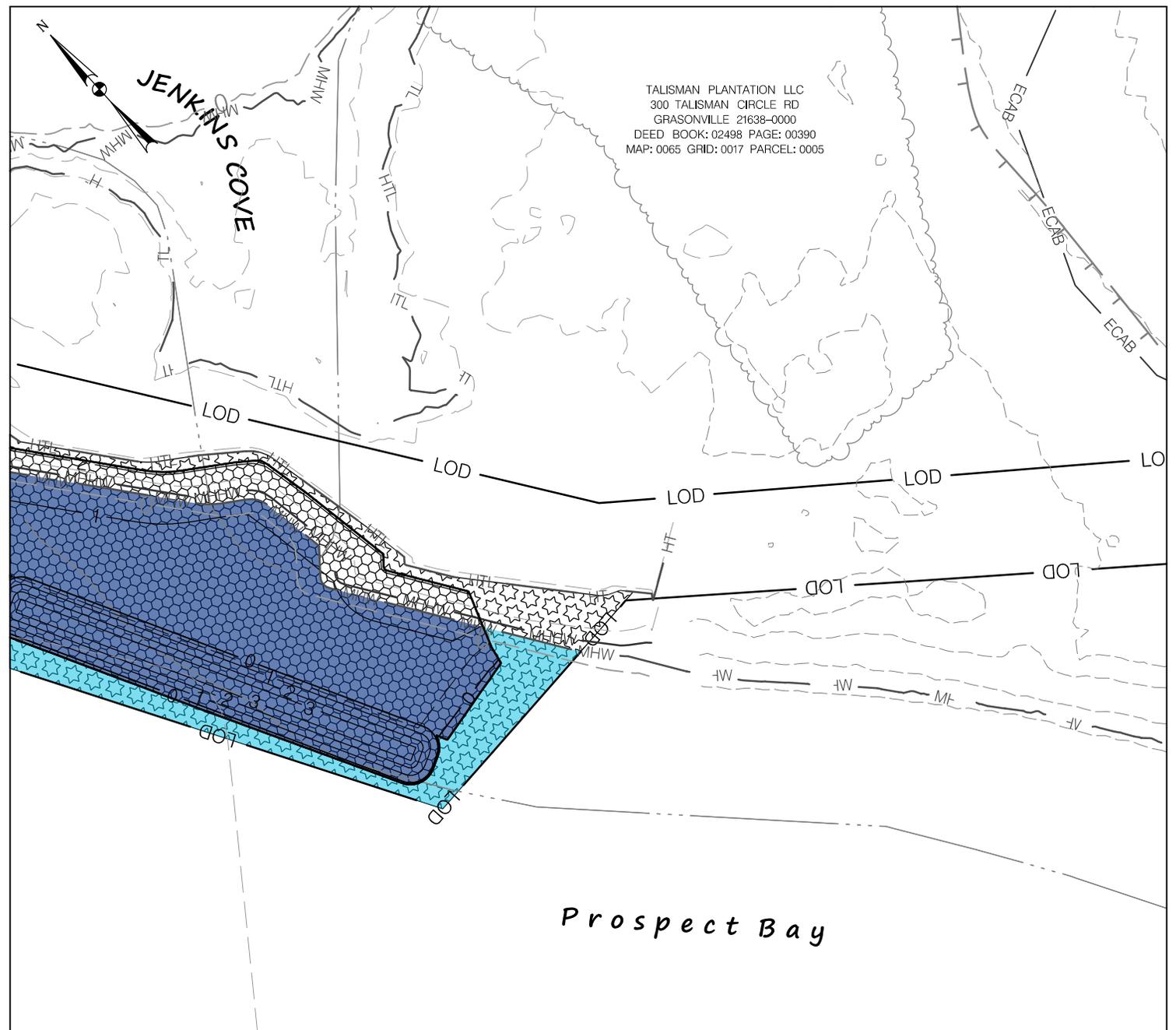
TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES			
300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638			
DRAWN BY : <u>JB</u>		DESIGNED BY : <u>JM</u>	
REVIEWED BY : <u>KR,SF</u>		SCALE : <u>1" = 30'</u>	
DRAWING NO. IP-10 OF IP-16		DATE : <u>MARCH 2024</u>	
SHEET NO. 12 OF 18			



DATE: 3/28/2024

FILE PATH: X:\Projects\2023 Projects\23-05-100 CWCA - Talisman\CAD\Plan\Impact Plates\IP-001_Talisman.cgn

TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
 DEED BOOK: 02498 PAGE: 00390
 MAP: 0065 GRID: 0017 PARCEL: 0005

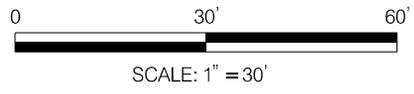


Prospect Bay

WATERS AND WETLAND IMPACTS

- WATERS OF THE U.S.**
-  MDE - TEMPORARY - 750 SF
 -  MDE - PERMANENT - 3,530 SF
- MDE TIDAL STATE WETLAND**
-  MDE - PERMANENT - 0 SF
- MDE TIDAL PRIVATE WETLAND**
-  MDE - PERMANENT - 0 SF
- 25' NON-TIDAL WETLAND BUFFER**
-  MDE - PERMANENT - 0 SF
 -  MDE - TEMPORARY - 0 SF

- WATERS OF THE U.S.**
-  USACE - TEMPORARY - 1,239 SF
 -  USACE - PERMANENT - 4,209 SF
- TIDAL WETLANDS**
-  USACE TIDAL WETLANDS - 0 SF TEMPORARY
 -  USACE TIDAL WETLANDS - 0 SF PERMANENT
- NON-TIDAL WETLANDS**
-  USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
 -  USACE NON-TIDAL WETLANDS - 0 SF PERMANENT



TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

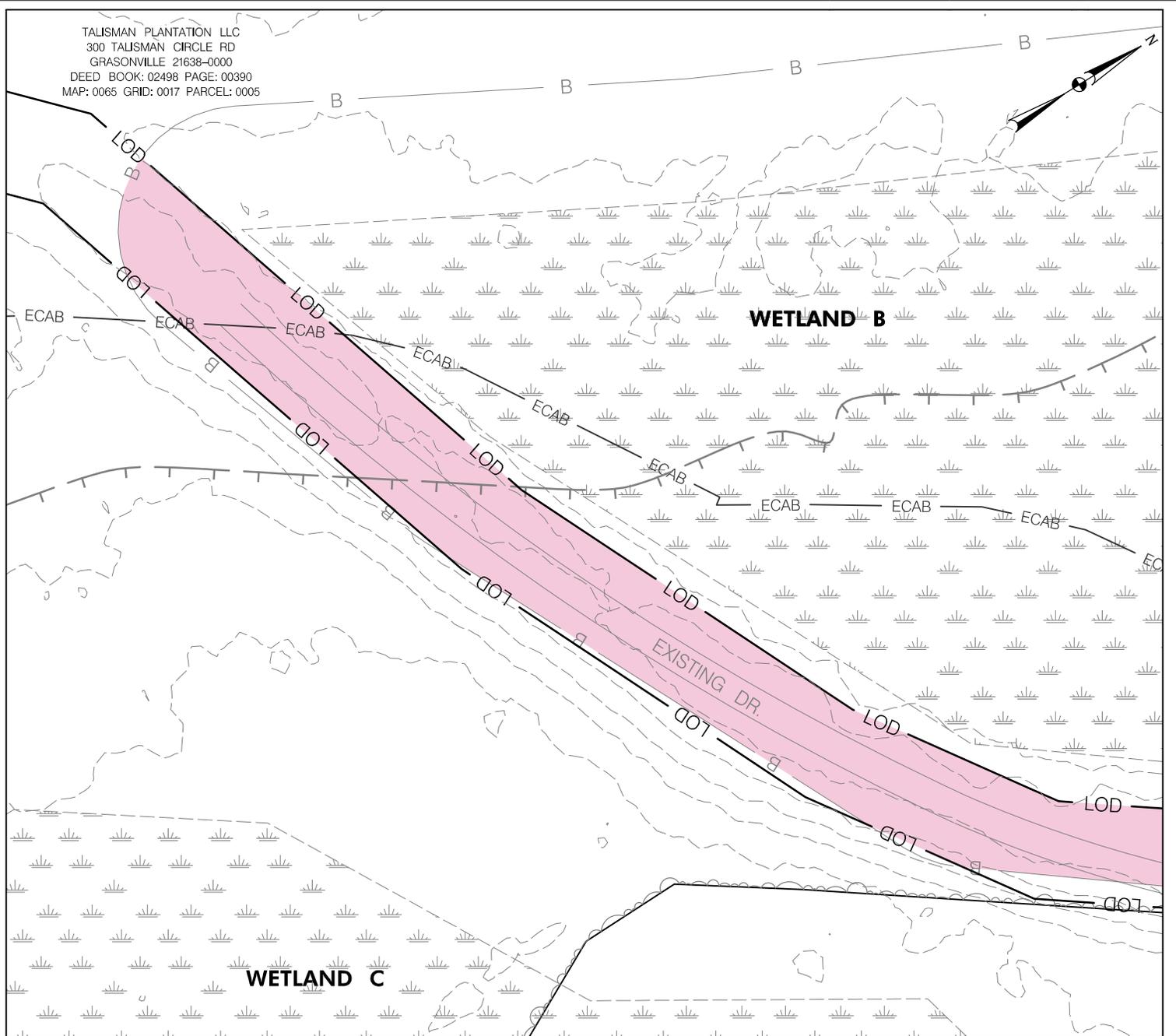
SCALE : 1" = 30' DATE : MARCH 2024

DRAWING NO. IP-11 OF IP-16 SHEET NO. 13 OF 18



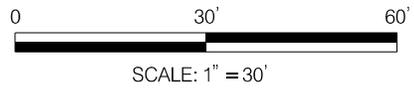
TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
 DEED BOOK: 02498 PAGE: 00390
 MAP: 0065 GRID: 0017 PARCEL: 0005

DATE: 3/29/2024
 FILE PATH: X:\Projects\2023 Projects\22-65-100 CWCA - Tallisman\CAD\Plan\Impact Plates\ip-0012_Talisman.dgn



WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
 MDE - TEMPORARY - 0 SF	 USACE - TEMPORARY - 0 SF	 MDE - PERMANENT - 0 SF	 USACE - PERMANENT - 0 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
 MDE - PERMANENT - 0 SF	 USACE TIDAL WETLANDS - 0 SF TEMPORARY	 USACE TIDAL WETLANDS - 0 SF PERMANENT	
MDE TIDAL PRIVATE WETLAND		NON-TIDAL WETLANDS	
 MDE - PERMANENT - 0 SF	 USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY	 USACE NON-TIDAL WETLANDS - 0 SF PERMANENT	
25' NON-TIDAL WETLAND BUFFER			
 MDE - PERMANENT - 0 SF			
 MDE - TEMPORARY - 4,749 SF			



TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

SCALE : 1" = 30' DATE : MARCH 2024

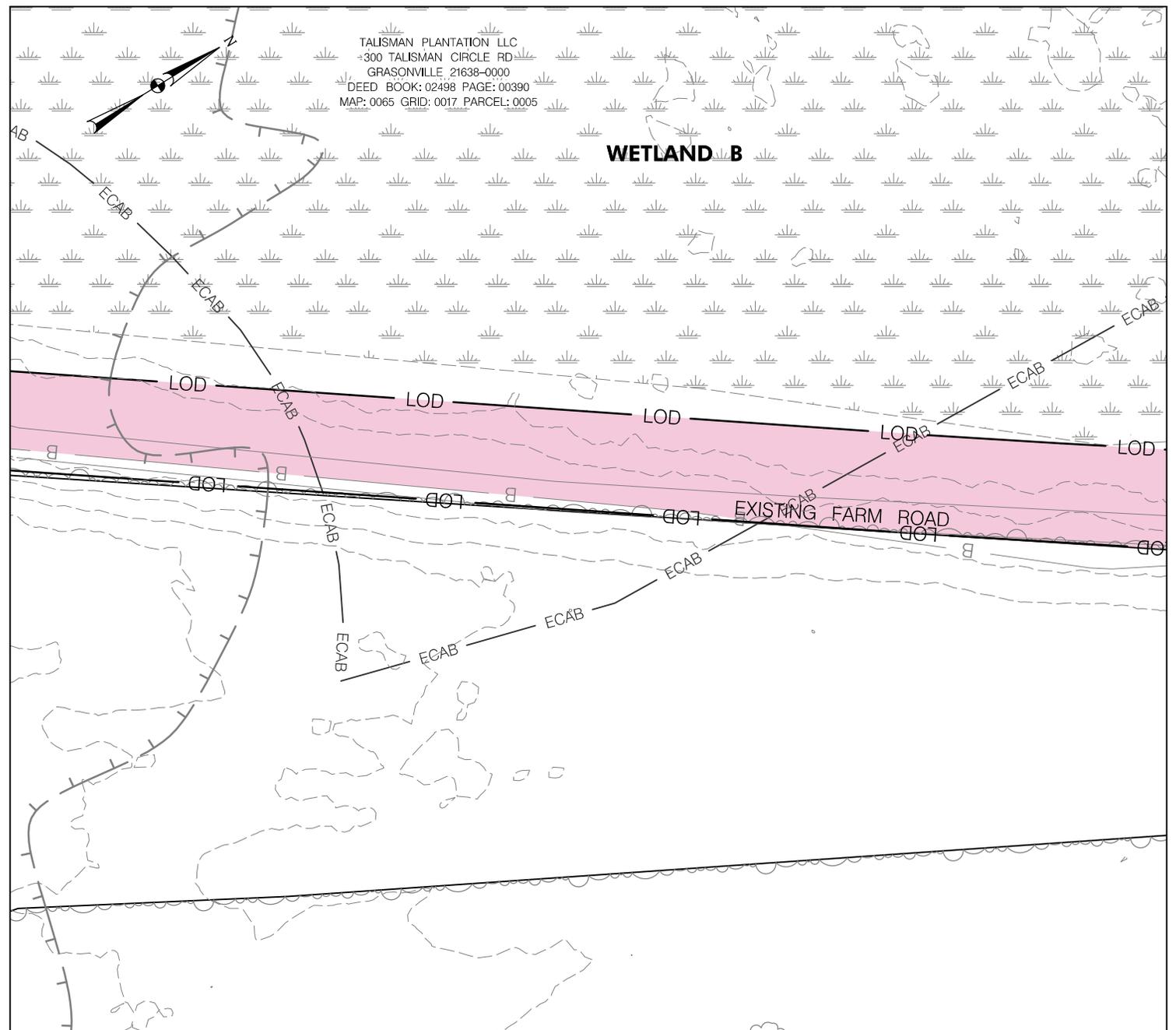
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FILE PATH: X:\Projects\2023 Projects\22-65-100 CWCA - Tallman\CAD\Plan\Impact Plates\ip-0013_Talman.dgn DATE: 3/29/2024

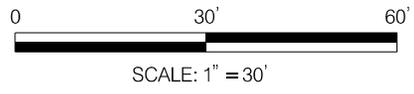
TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE, 21638-0000
 DEED BOOK: 02498 PAGE: 00390
 MAP: 0065 GRID: 0017 PARCEL: 0005

WETLAND B



WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
	MDE - TEMPORARY - 0 SF		USACE - TEMPORARY - 0 SF
	MDE - PERMANENT - 0 SF		USACE - PERMANENT - 0 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
	MDE - PERMANENT - 0 SF		USACE TIDAL WETLANDS - 0 SF TEMPORARY
MDE TIDAL PRIVATE WETLAND			USACE TIDAL WETLANDS - 0 SF PERMANENT
	MDE - PERMANENT - 0 SF	NON-TIDAL WETLANDS	
25' NON-TIDAL WETLAND BUFFER			USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
	MDE - PERMANENT - 0 SF		USACE NON-TIDAL WETLANDS - 0 SF PERMANENT
	MDE - TEMPORARY - 4,287 SF		



TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

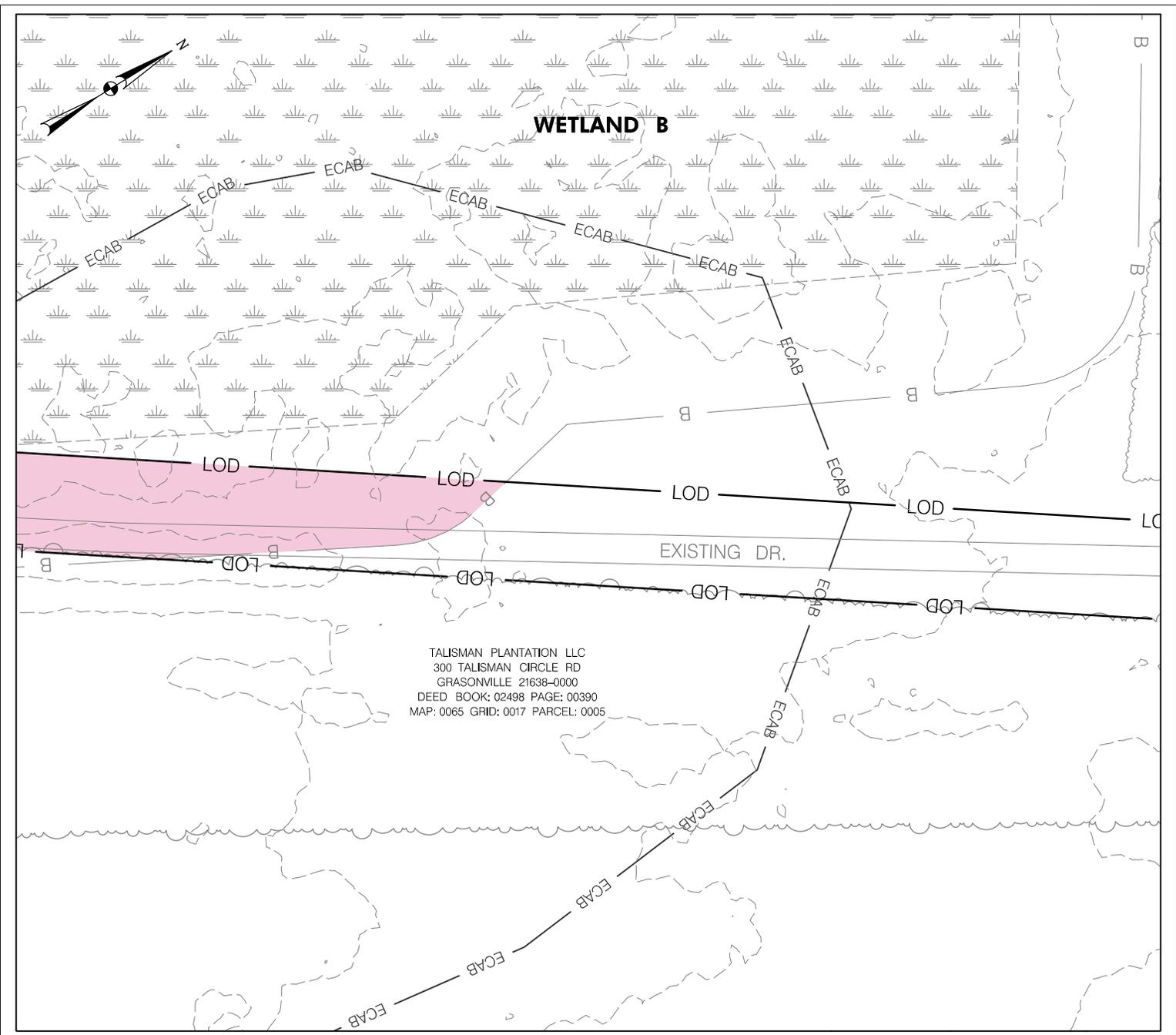
REVIEWED BY : KR,SF

SCALE : 1" = 30' DATE : MARCH 2024

DRAWING NO. IP-13 OF IP-16 SHEET NO. 15 OF 18

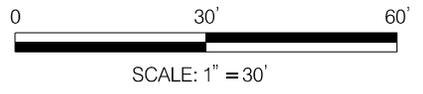


FILE PATH: X:\Projects\2023 Projects\22-65-100 CWCA - Talisman\CAD\Plan\Impact Plates\ip-0014_Talisman.dgn DATE: 3/29/2024



WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.		
 MDE - TEMPORARY - 0 SF	 USACE - TEMPORARY - 0 SF			
 MDE - PERMANENT - 0 SF	 USACE - PERMANENT - 0 SF			
MDE TIDAL STATE WETLAND		TIDAL WETLANDS		
 MDE - PERMANENT - 0 SF	 USACE TIDAL WETLANDS - 0 SF TEMPORARY			
MDE TIDAL PRIVATE WETLAND		 USACE TIDAL WETLANDS - 0 SF PERMANENT		
 MDE - PERMANENT - 0 SF	NON-TIDAL WETLANDS			
25' NON-TIDAL WETLAND BUFFER		 USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY		
 MDE - PERMANENT - 0 SF	 USACE NON-TIDAL WETLANDS - 0 SF PERMANENT			
 MDE - TEMPORARY - 1,618 SF				



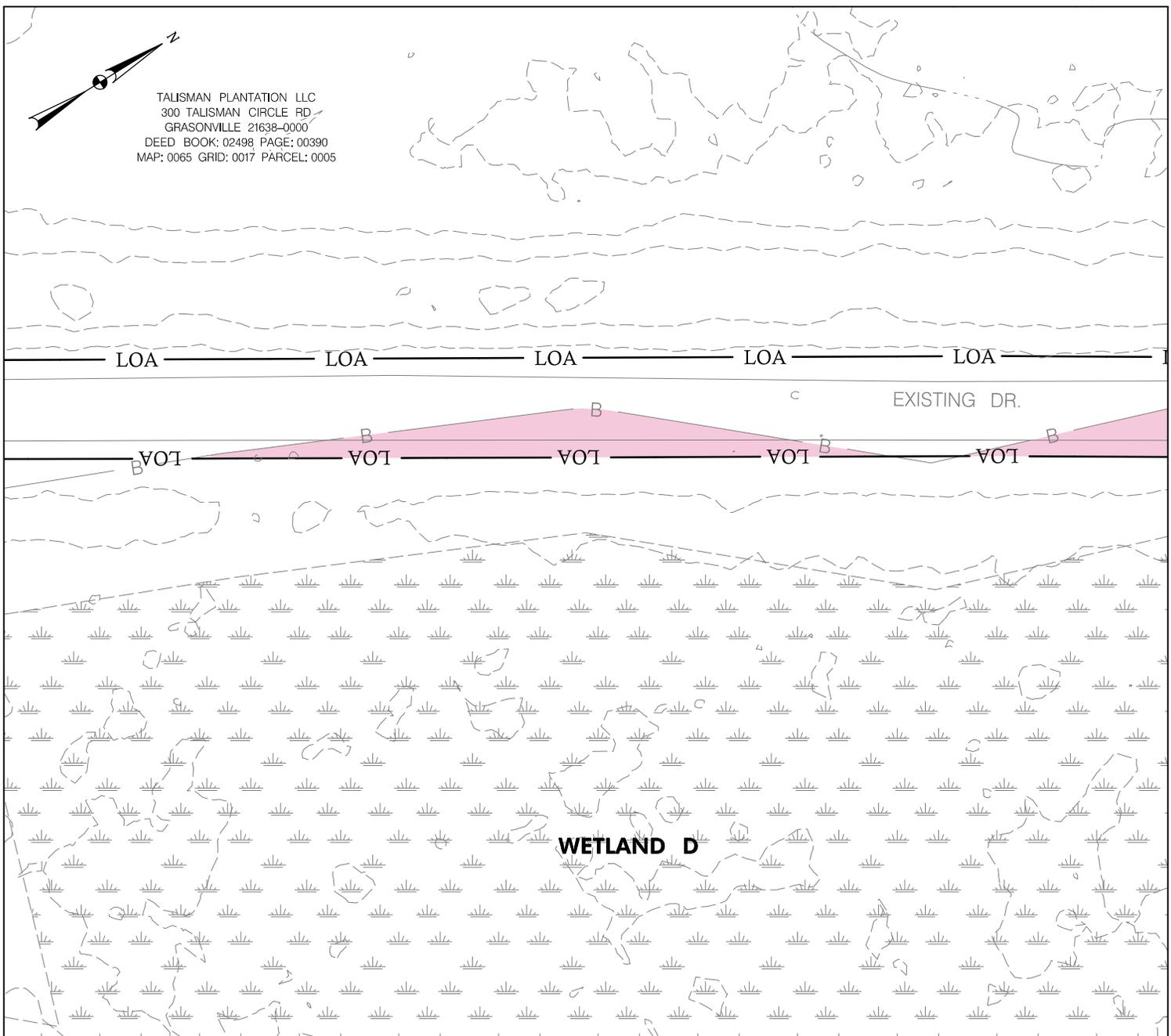
TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES	
300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638	
DRAWN BY : <u>JB</u>	
DESIGNED BY : <u>JM</u>	
REVIEWED BY : <u>KR,SF</u>	
SCALE : <u>1" = 30'</u>	DATE : <u>MARCH 2024</u>
DRAWING NO. <u>IP-14</u> OF <u>IP-16</u>	SHEET NO. <u>16</u> OF <u>18</u>



TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
 DEED BOOK: 02498 PAGE: 00390
 MAP: 0065 GRID: 0017 PARCEL: 0005

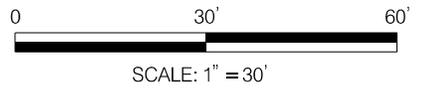
DATE: 3/29/2024

FILE PATH: X:\Projects\2023 Projects\22-65-100 CWCA - Talisman\CAD\Plan\Impact Plates\ip-0015_Talisman.dgn



WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
	MDE - TEMPORARY - 0 SF		USACE - TEMPORARY - 0 SF
	MDE - PERMANENT - 0 SF		USACE - PERMANENT - 0 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
	MDE - PERMANENT - 0 SF		USACE TIDAL WETLANDS - 0 SF TEMPORARY
MDE TIDAL PRIVATE WETLAND			USACE TIDAL WETLANDS - 0 SF PERMANENT
	MDE - PERMANENT - 0 SF	NON-TIDAL WETLANDS	
25' NON-TIDAL WETLAND BUFFER			USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
	MDE - PERMANENT - 0 SF		USACE NON-TIDAL WETLANDS - 0 SF PERMANENT
	MDE - TEMPORARY - 918 SF		



TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

REVIEWED BY : KR,SF

SCALE : 1" = 30' DATE : MARCH 2024

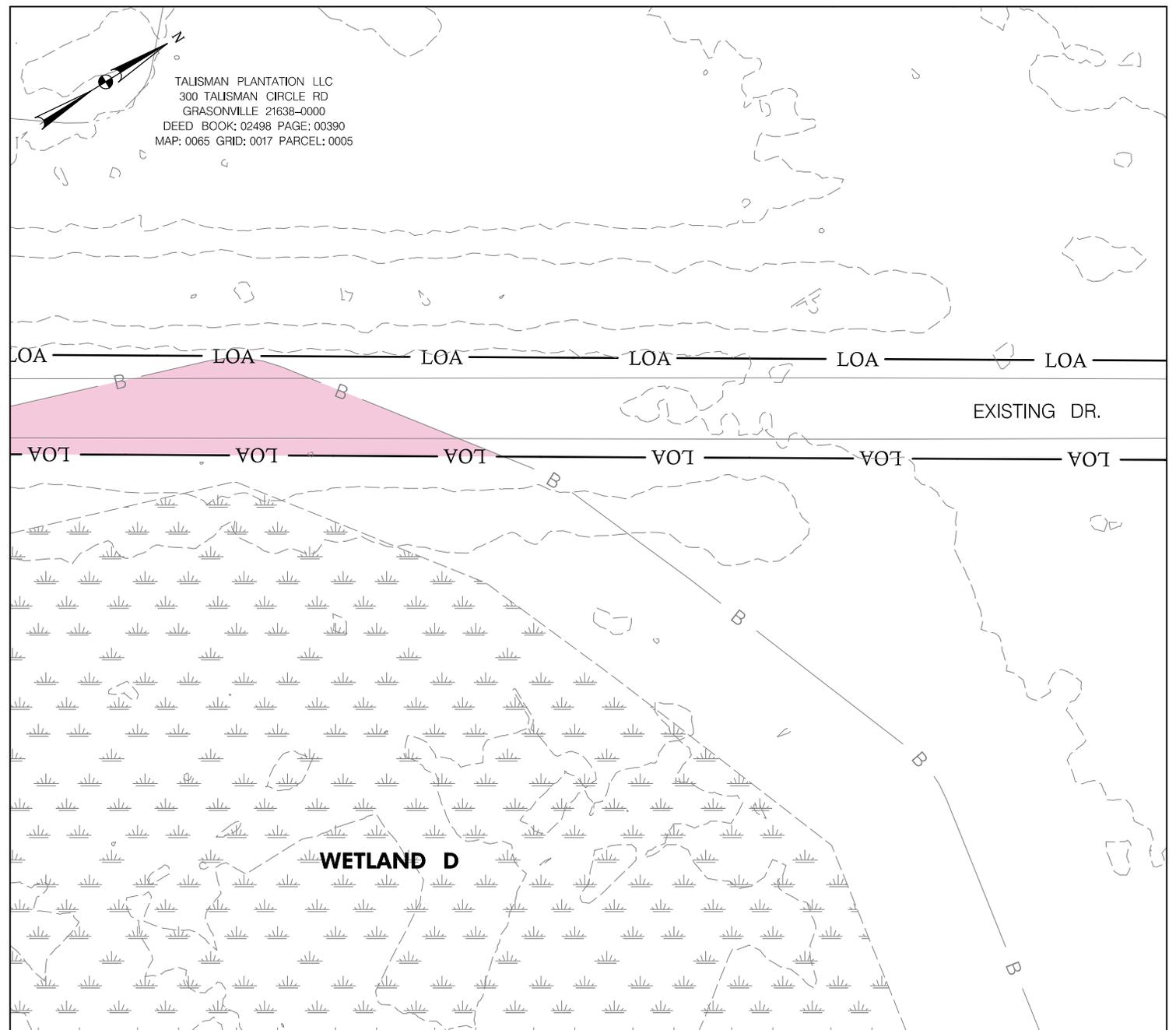
DRAWING NO. IP-15 OF IP-16 SHEET NO. 17 OF 18



FILE PATH: X:\Projects\2023 Projects\22-65-100 CWCA - Tallisman\CAD\Plan\Impact Plates\ip-016_Tallisman.dgn

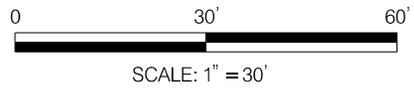
DATE: 3/29/2024

TALISMAN PLANTATION LLC
 300 TALISMAN CIRCLE RD
 GRASONVILLE 21638-0000
 DEED BOOK: 02498 PAGE: 00390
 MAP: 0065 GRID: 0017 PARCEL: 0005



WATERS AND WETLAND IMPACTS

WATERS OF THE U.S.		WATERS OF THE U.S.	
	MDE - TEMPORARY - 0 SF		USACE - TEMPORARY - 0 SF
	MDE - PERMANENT - 0 SF		USACE - PERMANENT - 0 SF
MDE TIDAL STATE WETLAND		TIDAL WETLANDS	
	MDE - PERMANENT - 0 SF		USACE TIDAL WETLANDS - 0 SF TEMPORARY
MDE TIDAL PRIVATE WETLAND			USACE TIDAL WETLANDS - 0 SF PERMANENT
	MDE - PERMANENT - 0 SF	NON-TIDAL WETLANDS	
25' NON-TIDAL WETLAND BUFFER			USACE NON-TIDAL WETLANDS - 0 SF TEMPORARY
	MDE - PERMANENT - 0 SF		USACE NON-TIDAL WETLANDS - 0 SF PERMANENT
	MDE - TEMPORARY - 1,262 SF		



TALISMAN PLANTATION LLC LIVING SHORELINE IMPACT PLATES

300 TALISMAN CIRCLE ROAD GRASONVILLE MD 21638

DRAWN BY : JB

DESIGNED BY : JM

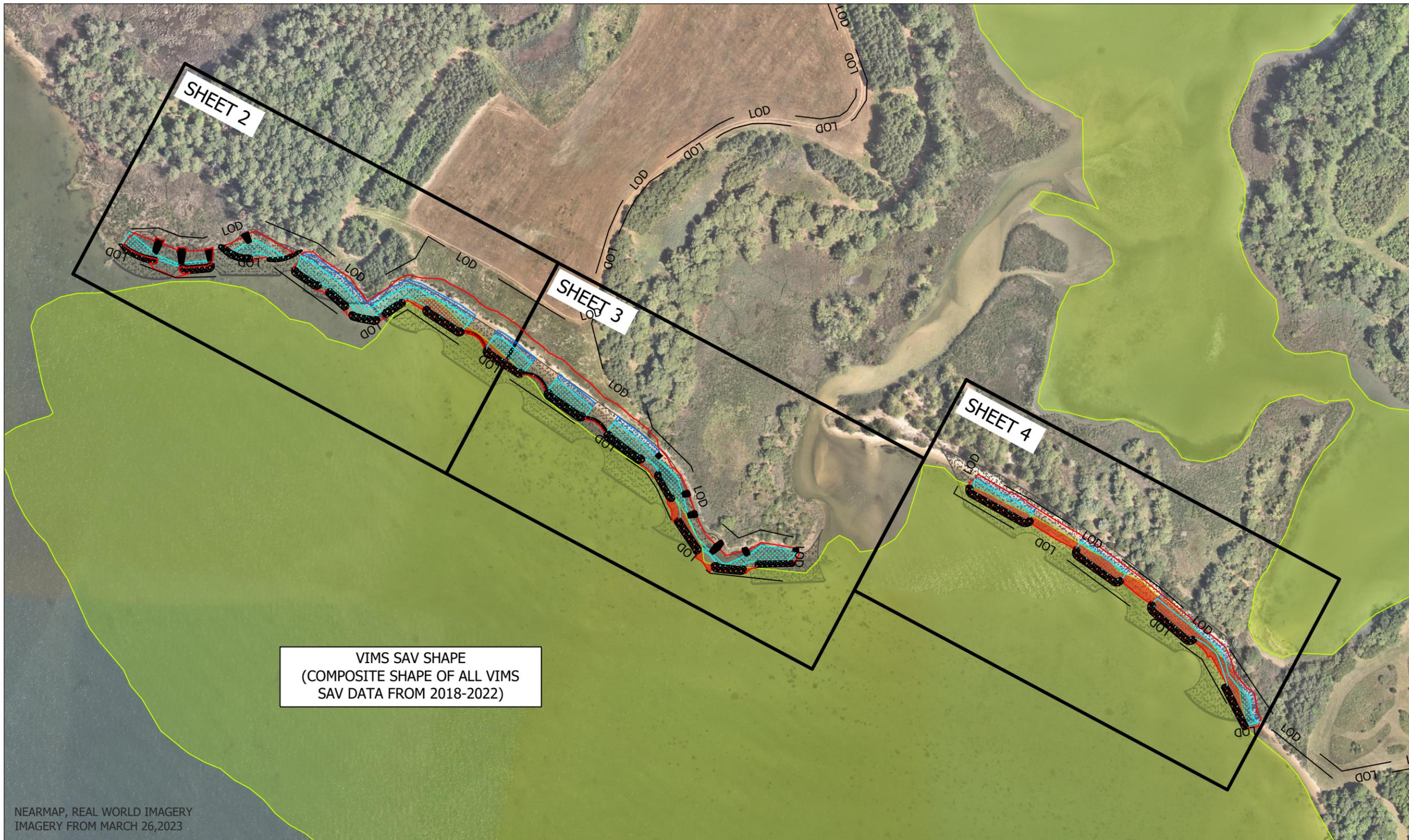
REVIEWED BY : KR,SF

SCALE : 1" = 30' DATE : MARCH 2024

DRAWING NO. IP-16 OF IP-16 SHEET NO. 18 OF 18



Attachment C
Revised SAV Impact Map



VIMS SAV SHAPE
(COMPOSITE SHAPE OF ALL VIMS
SAV DATA FROM 2018-2022)



SCALE: 1" = 200'

Total VIMS SAV (from 2018-2022) Within Current Proposed LOD	47774.9	Square Feet
	1.10	Acres

LEGEND

- PROPOSED SHORELINE SILL LIMITS
- PROPOSED HIGH MARSH CREATION
- PROPOSED LOW MARSH CREATION
- PROPOSED LOD
- PROPOSED CUTOFF BARRIERS
- VIMS SAV SHAPES 2018-2022
- PROPOSED IMPACTS TO VIMS SAV
- PROPOSED LIMITS OF GRADING
- CONCEPT STAGE SILL LOCATIONS
- CONCEPT STAGE MARSH CREATION

Talisman Impacts to VIMS SAV Data from 2018-2022						
	Current Proposed Design					Old Concept Design
	Stone Sills	Cutoff Barriers	Cobble Beach Protection	Marsh Creation	Beach Nourishment	Total SAV Impacts
Square Feet	11424.7	0.0	262.5	10037.7	5510.7	76322.6
Acres	0.26	0.00	0.01	0.23	0.13	1.75
Total (AC)	0.63					1.75

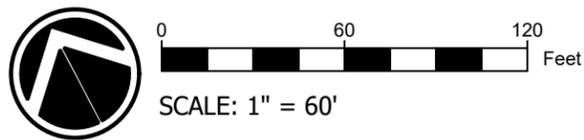
**TALISMAN PROPERTY
PROPOSED IMPACTS TO VIMS
SAV (2018-2022)
300 TALISMAN FARM,
GRASONVILLE, MD 21638**

REVISIONS			
NO.	DATE	DESCRIPTION	BY

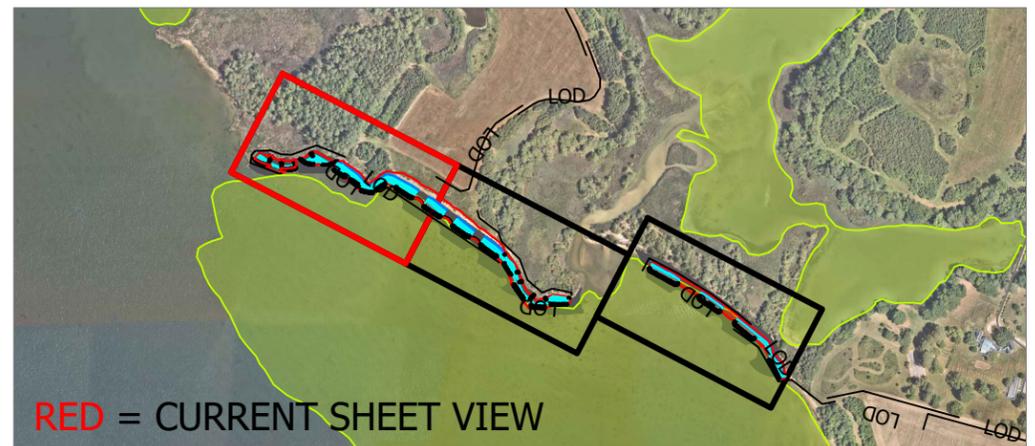
CHECKED BY: _____
 DESIGNED: _____ WCR
 DRAWN: 23-55-100 WCR
 PROJECT No.: _____
 DATE: 2/16/2024
 SHEET:



NEARMAP, REAL WORLD IMAGERY
IMAGERY FROM MARCH 26, 2023



LEGEND	
	PROPOSED SHORELINE SILL LIMITS
	PROPOSED HIGH MARSH CREATION
	PROPOSED LOW MARSH CREATION
	PROPOSED LOD
	PROPOSED CUTOFF BARRIERS
	VIMS SAV SHAPES 2018-2022
	PROPOSED IMPACTS TO VIMS SAV
	PROPOSED LIMITS OF GRADING
	CONCEPT STAGE SILL LOCATIONS
	CONCEPT STAGE MARSH CREATION



RED = CURRENT SHEET VIEW



ecotone
ecological restoration

129 Industry Lane · Forest Hill, Maryland 21050
(410) 420 2600 · www.ecotoneinc.com

**TALISMAN PROPERTY
PROPOSED IMPACTS TO VIMS
SAV (2018-2022)
300 TALISMAN FARM,
GRASONVILLE, MD 21638**

REVISIONS			
NO.	DATE	DESCRIPTION	BY

CHECKED BY: _____ WCR

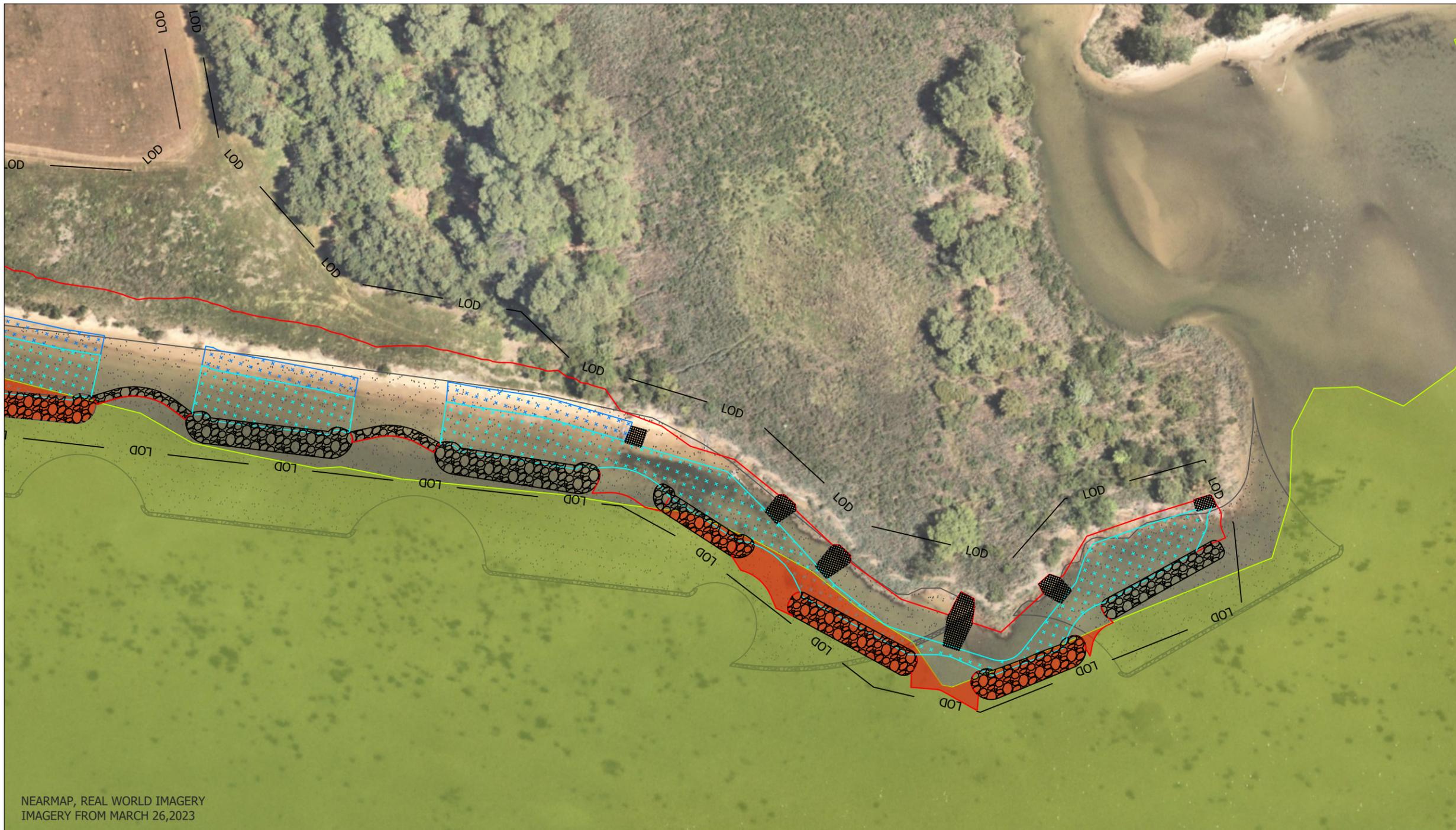
DESIGNED: _____ WCR

DRAWN: _____

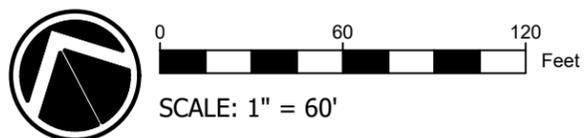
PROJECT No.: 23-55-100

DATE: 2/16/2024

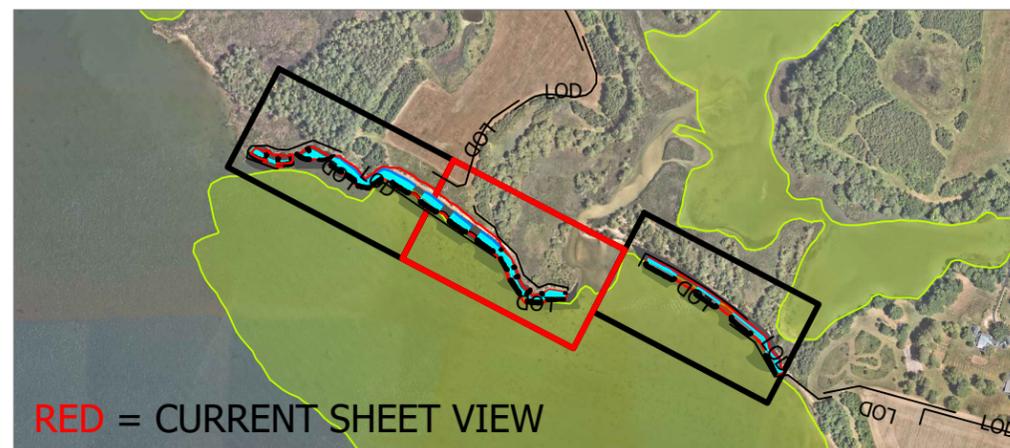
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NEARMAP, REAL WORLD IMAGERY
IMAGERY FROM MARCH 26, 2023



LEGEND	
	PROPOSED SHORELINE SILL LIMITS
	PROPOSED HIGH MARSH CREATION
	PROPOSED LOW MARSH CREATION
	PROPOSED LOD
	PROPOSED CUTOFF BARRIERS
	VIMS SAV SHAPES 2018-2022
	PROPOSED IMPACTS TO VIMS SAV
	PROPOSED LIMITS OF GRADING
	CONCEPT STAGE SILL LOCATIONS
	CONCEPT STAGE MARSH CREATION



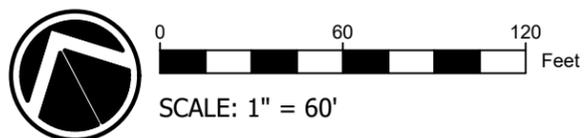
**TALISMAN PROPERTY
PROPOSED IMPACTS TO VIMS
SAV (2018-2022)
300 TALISMAN FARM,
GRASONVILLE, MD 21638**

REVISIONS			
NO.	DATE	DESCRIPTION	BY

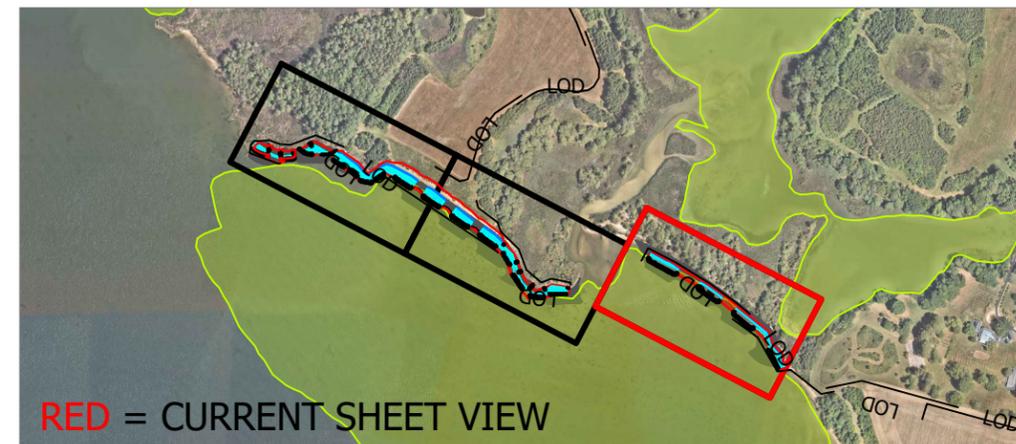
CHECKED BY: _____ WCR
 DESIGNED: _____ WCR
 DRAWN: _____
 PROJECT No.: 23-55-100
 DATE: 2/16/2024
 SHEET:



NEARMAP, REAL WORLD IMAGERY
IMAGERY FROM MARCH 26, 2023



LEGEND	
	PROPOSED SHORELINE SILL LIMITS
	PROPOSED HIGH MARSH CREATION
	PROPOSED LOW MARSH CREATION
	PROPOSED LOD
	PROPOSED CUTOFF BARRIERS
	VIMS SAV SHAPES 2018-2022
	PROPOSED IMPACTS TO VIMS SAV
	PROPOSED LIMITS OF GRADING
	CONCEPT STAGE SILL LOCATIONS
	CONCEPT STAGE MARSH CREATION



ecotone
ecological restoration

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**TALISMAN PROPERTY
PROPOSED IMPACTS TO VIMS
SAV (2018-2022)
300 TALISMAN FARM,
GRASONVILLE, MD 21638**

REVISIONS			
NO.	DATE	DESCRIPTION	BY

CHECKED BY: _____ WCR _____

DESIGNED: _____ WCR _____

DRAWN: _____

PROJECT No.: 23-55-100

DATE: 2/16/2024

SHEET: _____