



DEPARTMENT OF  
ENVIRONMENTAL PROGRAMS

**Worcester County**

GOVERNMENT CENTER  
ONE WEST MARKET STREET, ROOM 1306  
SNOW HILL, MARYLAND 21863  
TEL: 410.632.1220 / FAX: 410.632.2012

LAND PRESERVATION PROGRAM  
STORMWATER MANAGEMENT  
SEDIMENT AND EROSION CONTROL  
SHORELINE CONSTRUCTION  
AGRICULTURAL PRESERVATION  
ADVISORY BOARD

WELL & SEPTIC  
WATER & SEWER PLANNING  
PLUMBING & GAS  
CRITICAL AREAS/FORESTRY  
COMMUNITY HYGIENE

December 11, 2023

This notification is to advise you that the Department has received and is presently reviewing the following request for a shoreline construction project:

Worcester County Commissioners – Request No. 2023-0104 - Request to construct and backfill 550 linear feet of replacement vinyl bulkhead. Maximum of 18" channelward of existing bulkhead. This project is located at 5820 South Point Road, Berlin, also known as Tax map 50, Parcel 12. Tenth Tax District of Worcester County, Maryland.

The Department in considering this application will make specific findings of fact with regard to the environmental impact, navigational impact, recreational potential, commercial benefit to Worcester County, impact of the proposed construction upon the surrounding neighborhood and upon property values therein, and any other pertinent issues. Approval from the Department does not guarantee approval from any other applicable regulatory agencies.

**If you have an interest which may be adversely affected by the issuance of this permit, you are requested to notify this Department in writing within fifteen (15) calendar days which will end on December 26, 2023.**

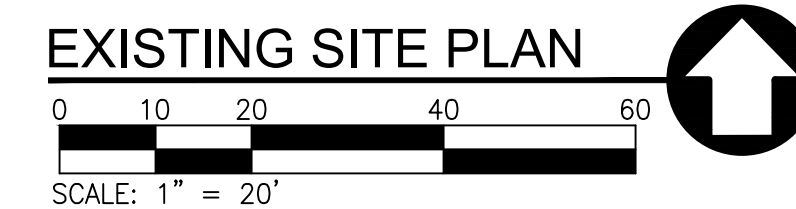
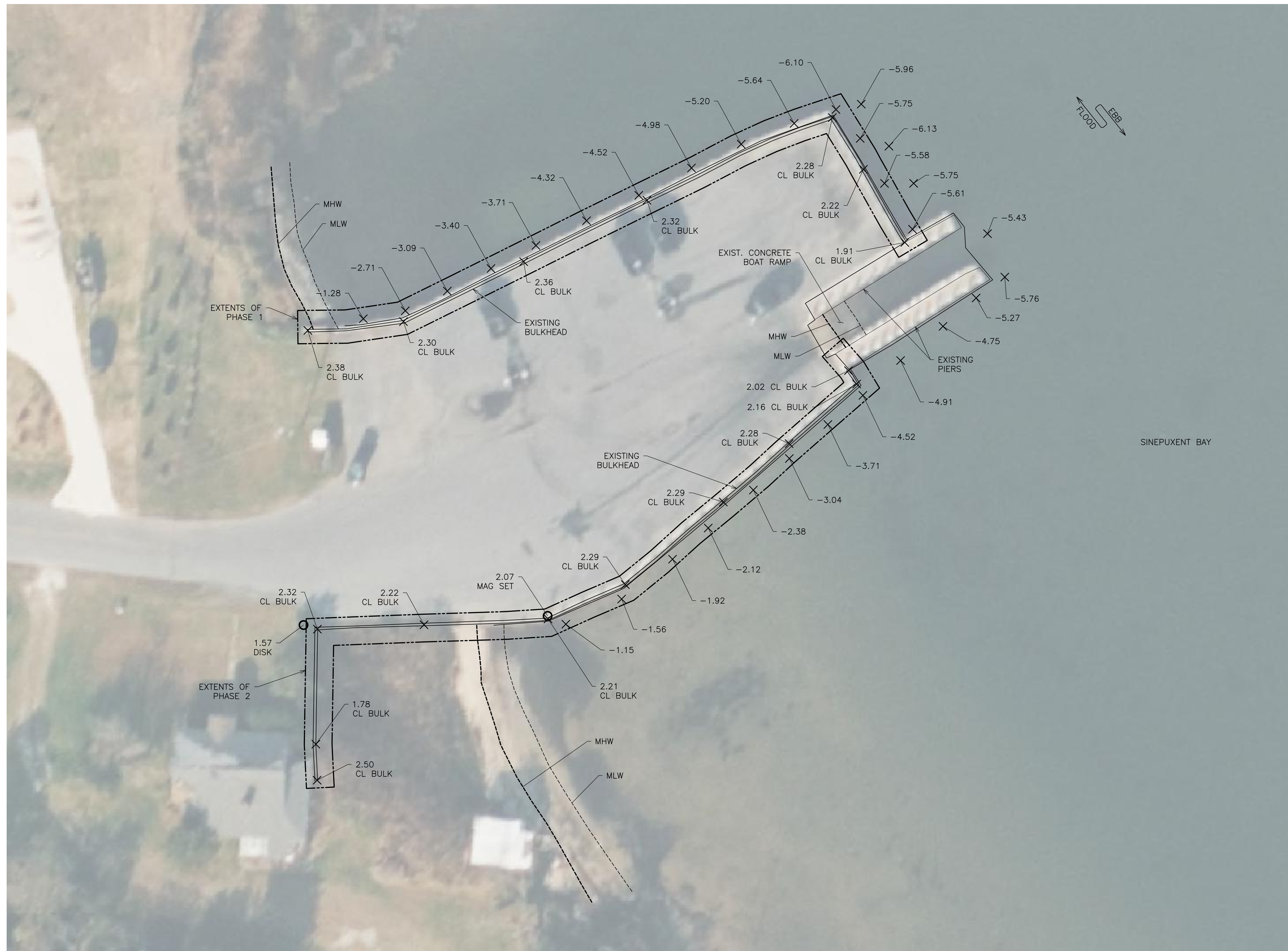
Sincerely,

Brandy Whitlock  
Environmental Inspector

cc: Interested Parties  
David Bradford, Deputy Director  
File



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- NOTES:**
1. ALL ELEVATIONS ARE BASED ON NAVD88 DATUM AND STATE PLANE COORDINATES
  2. PRIOR TO START OF WORK, THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR FIELD MARK THE PROPERTY LINE FOR THE PROJECT SITE PARTICULARLY RELATED TO INTERFACES WITH ADJACENT PROPERTY OWNERS.
  3. CONTRACTOR SHALL ADHERE TO THE CONDITIONS OF THE APPROVED PERMITS FOR THE PROJECT.

PRINTS ISSUED FOR:  
REVIEW

REVISIONS		
REV #	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		
7		

**GMB**  
 GEORGE, MILES & BUHR, LLC  
 ARCHITECTS & ENGINEERS  
 SALISBURY • BALTIMORE • SEAFORD  
 206 DOWNTOWN PLAZA  
 SALISBURY, MARYLAND 21801  
 410-742-3115, FAX 410-548-5790  
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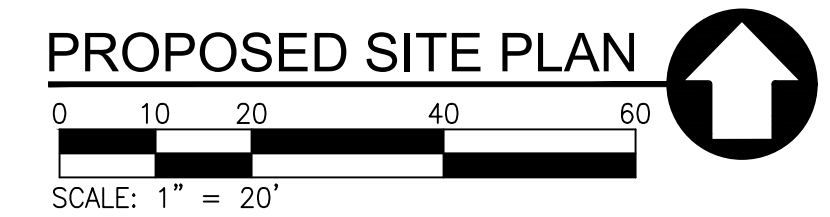
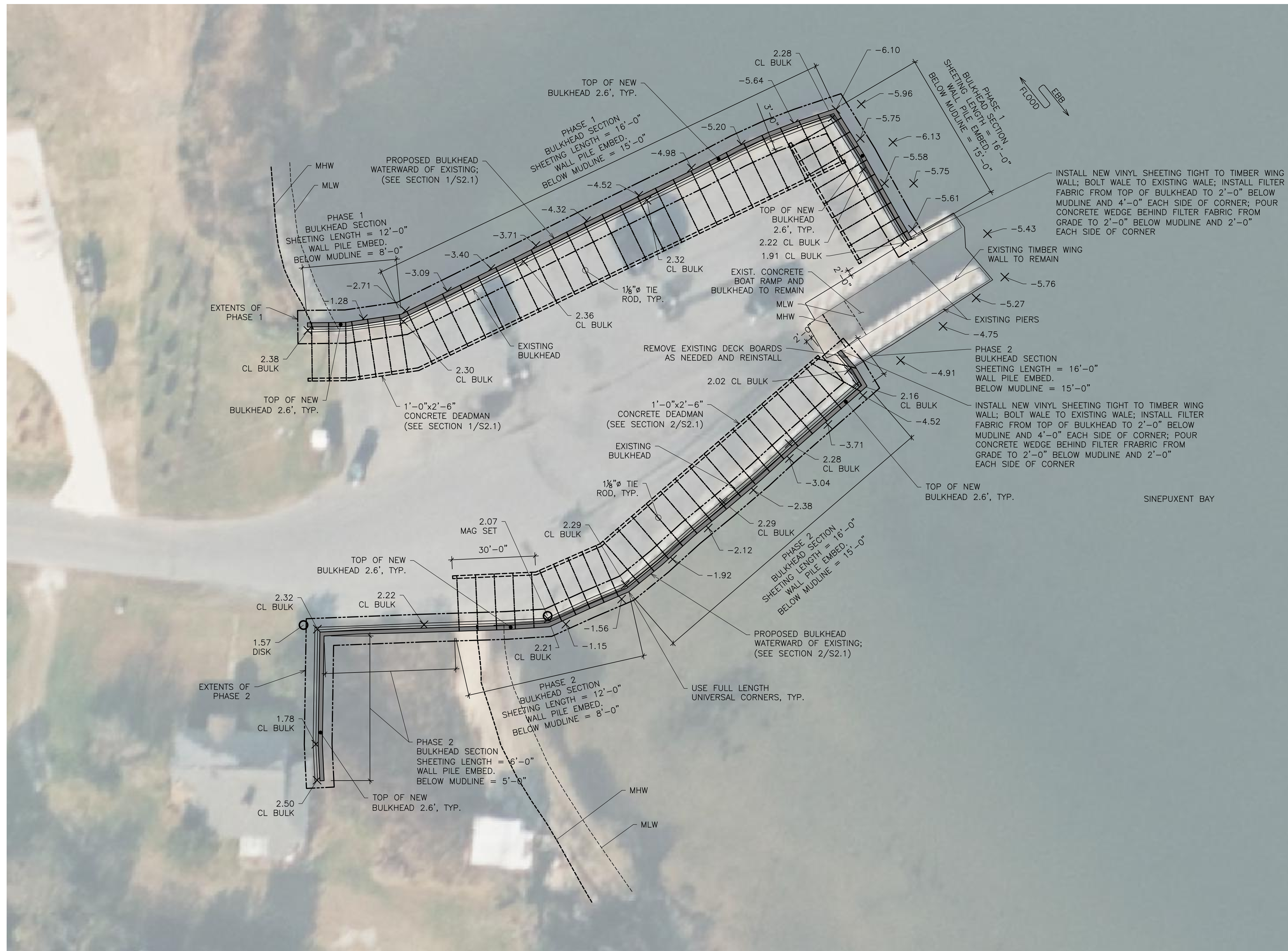
**SOUTHPOINT  
 BULKHEAD REPLACEMENT  
 WORCESTER COUNTY, MARYLAND**

**EXISTING  
 SITE PLAN**

SCALE: AS NOTED	SHEET NO.
DESIGN BY: ARM	<b>S1.1</b>
DRAWN BY: TFVT	
CHECKED BY: ARM	
GMB FILE: 220133	
DATE: FEB 2022	

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**NOTE:**  
 1. PRIOR TO START OF WORK, THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR FIELD MARK THE PROPERTY LINE FOR THE PROJECT SITE PARTICULARLY RELATED TO INTERFACES WITH ADJACENT PROPERTY OWNERS.  
 2. CONTRACTOR SHALL ADHERE TO THE CONDITIONS OF THE APPROVED PERMITS FOR THE PROJECT.

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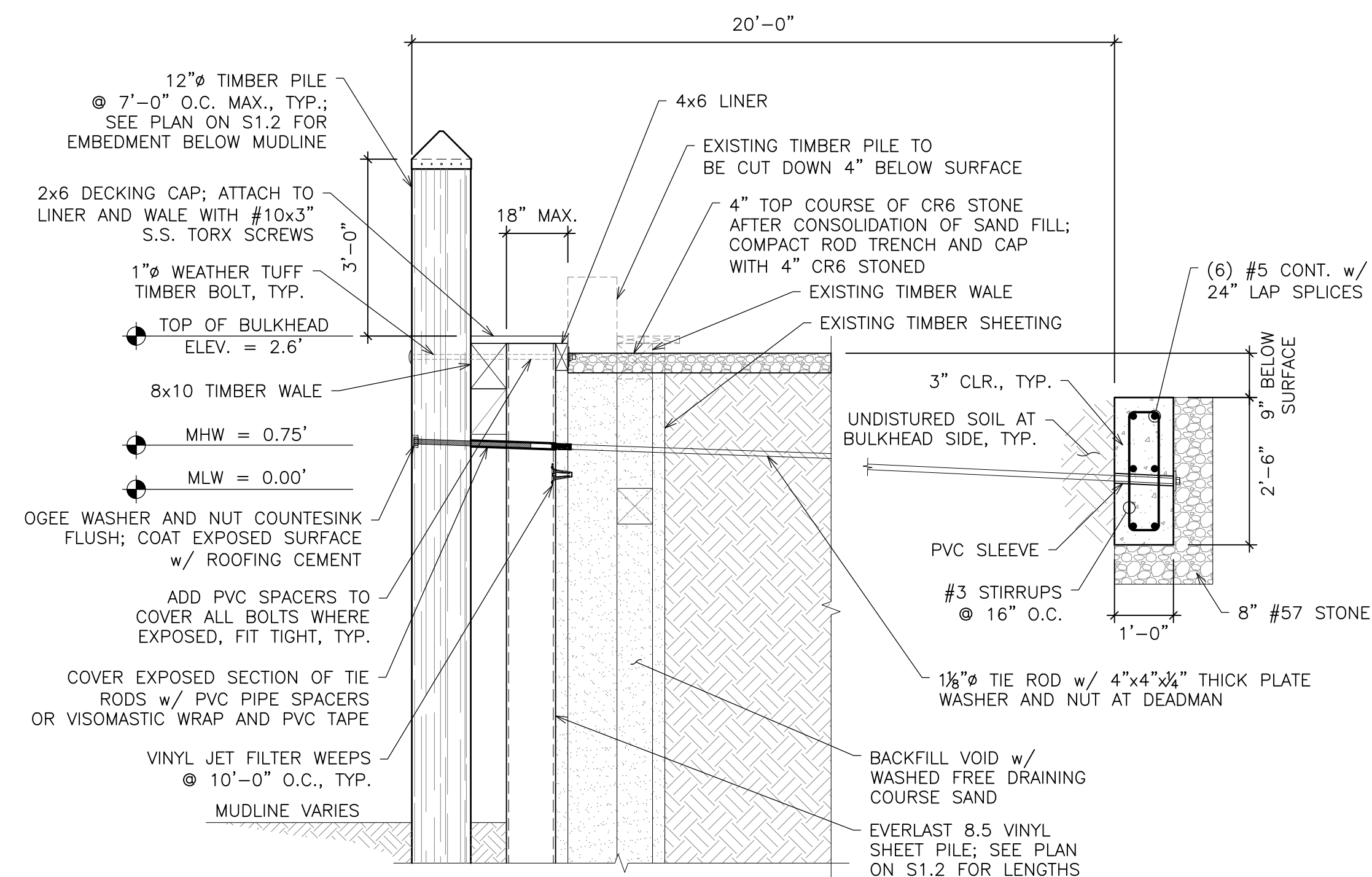
**PROPOSED  
 SITE PLAN**

SCALE: AS NOTED	SHEET NO.
DESIGN BY: ARM	<b>S1.2</b>
DRAWN BY: TFFT	
CHECKED BY: ARM	
GMB FILE: 220133	
DATE: FEB 2022	

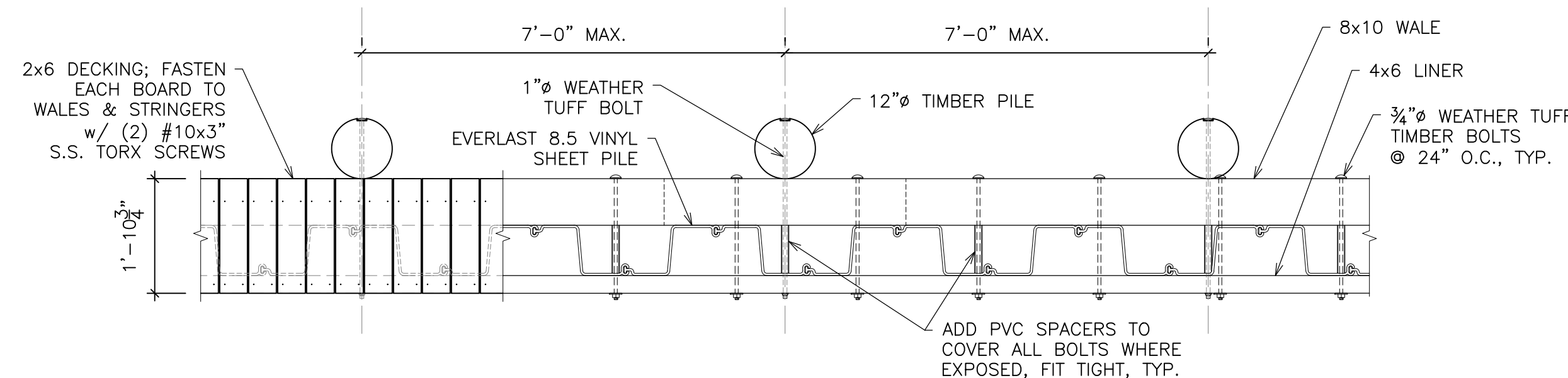
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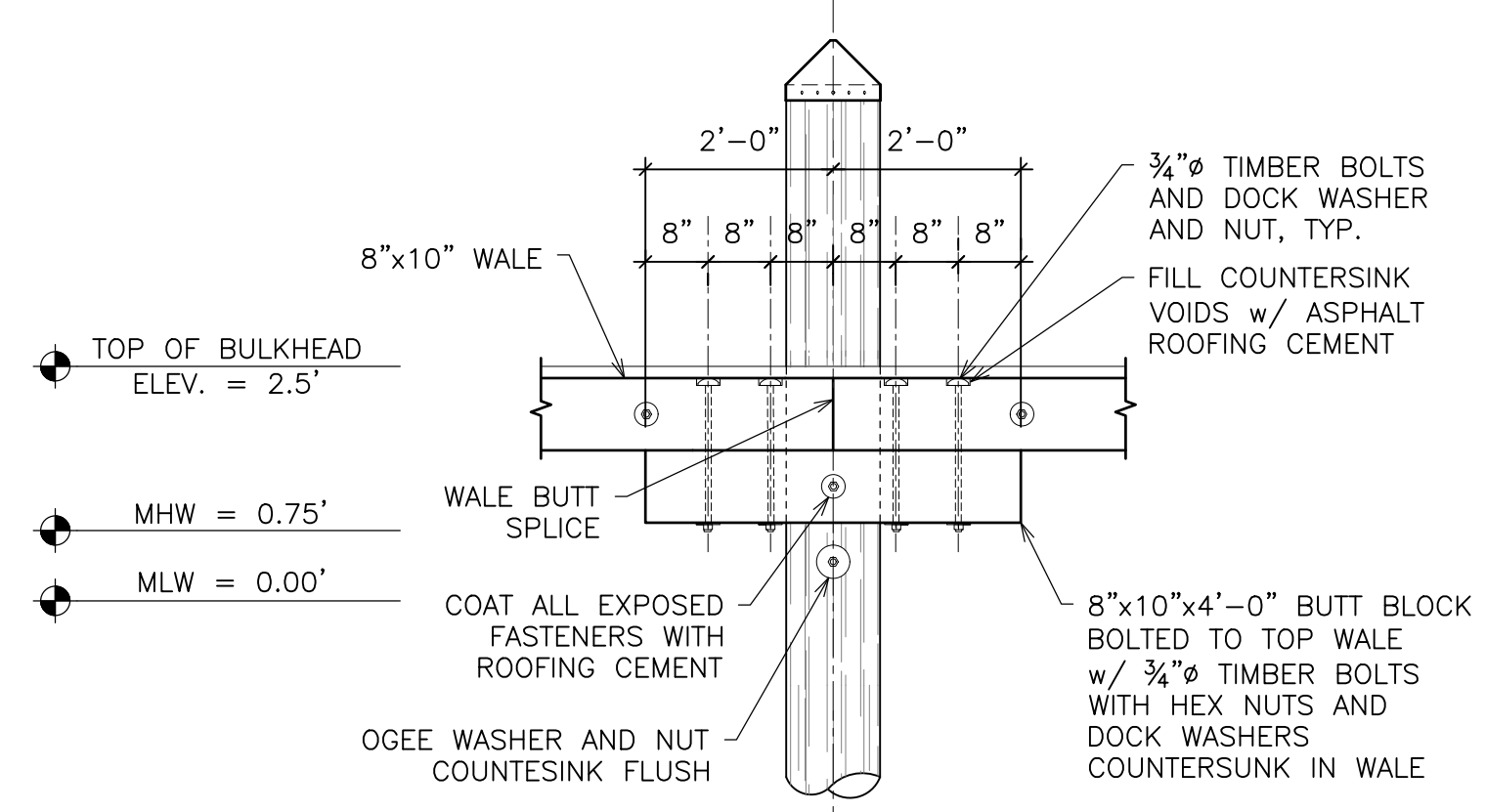


**PROPOSED BULKHEAD SECTION 1**  
SCALE: 1/2" = 1'-0" S2.1

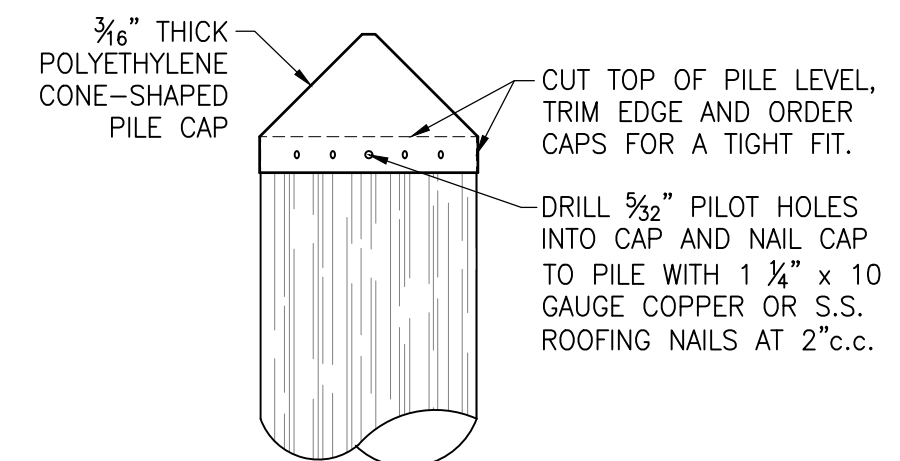


**TYPICAL BULKHEAD PLAN**  
SCALE: 1/2" = 1'-0"

**NOTE:**  
1) TIE RODS NOT SHOWN FOR CLARITY.



**TYP. WALE SPLICE DETAIL**  
SCALE: 1/2" = 1'-0"



**PLASTIC CONE CAP OPTION**

**NOTE:**  
SHALL BE WHITE CONE CAPS

**TYP. PILE CAP DETAIL**  
N.T.S.

**STRUCTURAL NOTES**

- TIMBER PILES SHALL BE SOUTHERN PINE CONFORMING TO ASTM D-25, CLASS B WITH A 2.5 CCA RATING. PILES SHALL BE DRIVEN TO AN EMBEDMENT LENGTH OF 15.00' BELOW MUDLINE UNLESS NOTED OTHERWISE. DAMAGED PILES SHALL BE REMOVED AND REPLACED.
- ALL BOLTS SHALL BE DOME HEAD WEATHER-TUFF TIMBER BOLTS CONFORMING TO ASTM A307. ALL WASHERS U.N.O. SHALL BE 1/4" THICK N.Y.D.D. DOCK WASHERS AND NUTS SHALL BE HEAVY HEX TYPE UNLESS NOTED OTHERWISE. ALL NAILS SHALL BE STAINLESS STEEL RING SHANK OR ANNULAR NAILS AND IN ACCORDANCE WITH THE SIZES GIVEN IN THE CONTRACT DOCUMENTS. ALL HARDWARE SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A153, EXCEPT NAILS AND SCREWS, WHICH SHALL BE STAINLESS STEEL.
- ALL WALERS TO BE SOUTHERN PINE, NO. 2 OR BETTER GRADE TREATED 2.5CCA. ALL DECKING BOARDS SHALL BE SOUTHERN PINE, NO.1 GRADE TREATED 0.15CA.
- USE FULL LENGTH VINYL CORNER PIECES FROM MANUFACTURER WHICH MATCH VINYL SHEETING PROFILES, TYPICAL ALL CORNERS AND BENDS.
- VINYL SHEETING SHALL BE EVERLAST (SEE PLAN FOR SIZE) OR APPROVED EQUIVALENT.
- CONCRETE (CAST-IN-PLACE) DESIGN AND DETAILING SHALL CONFIRM TO THE REQUIREMENTS OF ACI 318-19. CONTRACTOR SHALL SUBMIT MIX DESIGNS ACCOMPANIED BY APPROPRIATE GRAPHS AND BACKGROUND DATA FOR APPROVAL. MIX DESIGN SHALL INDICATE 7 AND 28 DAY STRENGTHS, CEMENT CONTENT, AIR CONTENT, WATER-CEMENT RATIO, AMOUNT OF FINE AND COARSE AGGREGATES, AND ADMIXTURES.
- MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE.  
DEADMAN 3000 PSI
- IF NEEDED, DEWATERING SYSTEM MUST INCLUDE CODE COMPLIANT WATER FILTRATION AT DISCHARGE.
- THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND/OR PRODUCT DATA SHEETS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS FOR APPROVAL. THE STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL CERTIFICATION AND DESIGN OF THE PROJECT IF THE GENERAL CONTRACTOR FAILS TO OBTAIN APPROVAL OF THE SHOP DRAWINGS. THE GENERAL CONTRACTOR SHALL INFORM THE STRUCTURAL ENGINEER IN WRITING CONCERNING DEVIATIONS AND/OR OMISSIONS FROM THE CONTRACT DOCUMENTS AT THE TIME OF SHOP DRAWING SUBMISSION. THE GENERAL CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND SHALL MAKE ALL CORRECTIONS HE DEEMS NECESSARY BEFORE SUBMISSION. THE GENERAL CONTRACTOR SHALL STATE ON THE SHOP DRAWINGS THAT CONTRACT DOCUMENT REQUIREMENTS HAVE BEEN MET AND THAT ALL DIMENSIONS, CONDITIONS AND QUANTITIES HAVE BEEN REVIEWED AND VERIFIED AS SHOWN AND/OR CORRECTED ON THE SHOP DRAWINGS.

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**SECTIONS AND  
DETAILS**

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