

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

WELL & SEPTIC

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

May 2, 2023

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

Ron & Mary Boltz – Request No. 2023-041 – Request to replace deteriorating timber bulkhead with new vinyl sheeting with maximum encroachment of 18", backfill the void between the old and new bulkhead with clean sand and remove existing timber pier and platform and replace with new timber platform and associated piles. Also request to relocate existing boat lift and associated outer channelward piles not to exceed Max channelward ext of 22'. This project is located at 538 Yacht Club Dr, Ocean Pines, also known as Tax Map 16, Parcel 14, Lot 5. Third 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 May 17, 2023.

Sincerely,

Brandy Whitlock Environmental Inspector

cc:

LAND PRESERVATION PROGRAM

SEDIMENT AND EROSION CONTROL

STORMWATER MANAGEMENT

AGRICULTURAL PRESERVATION

SHORELINE CONSTRUCTION

ADVISORY BOARD

Interested Parties
David Bradford, Deputy Director



WORCESTER COUNTY SHORELINE CONSTRUCTION APPLICATION

Request No.: 2003-041 Submission Date: 5-2-23

X Major Construction (\$300.00)	Minor Construction (\$150.00)
To replace deteriorating timber bulkhead with no the void between the old bulkhead and new bulk replace with a new timber platform and associate	ew vinyl sheeting with maximum channel-ward encroachment of 18", backfill head with clean sand and to remove existing timber pier and platform and encoachment of the complete proposes to relocate existing boat lift and associated
outer, channelward piles to not exceed a Property Description:	maximum channelward distance of 22' firom the mean high water level.
Subdivision: Ocean Pines - Mumford	Section: 18 Block: Tax District: tean Pines, MD 21811 Landing Section 18 construction: No Vacant: Commercial:
Owner: Ron and Mary Boltz Mailing Address: 538 Yacht Club Drive, 6 E-Mail Address: ron.boltz@alarmengine	Phone No. (410) 546-2210 Ocean Pines, MD 21811
Contractor: _To be determined Mailing Address:	Phone No.:
Property Address: 536 Yacht Club Drive. Tax Map: 16 Parcel: 14 Lot: Parcel: 14 Property Owner: Percent Address: 947 Yacht Club Drive. Tax Map: 16 Parcel: 103 Lot: Parcel: 103 L	4 Section: 18 Block: eter Paul Malecki & Pamela J. Slater , Ocean Pines, MD 21811
DEPT. USE ONLY:	**************************************
Notification Distribution Date: <u>5/2/23</u> Department Approval Date:	Public Comment Deadline: 5-17-23(15 calendar days) Expiration:



SHEET INDEX

VICINITY MAP, PERMIT REQUEST

OWNER & QUANTITY TABLE

EXISTING SITE AREA/PROPOSED PLANS 3-7

8-16 **SECTION & ELEVATION DETAILS**

QUANTITY SUMMARY

TOTAL LENGTH = 105 LF TOTAL AREA = 158 SQ. FT. TOTAL CLEAN SAND FILL = 50 CU. YD.

NEW TIMBER PLATFORM AREA = 200 SQ. FT.

PERMIT REQUEST

TO REPLACE DETERIORATING TIMBER BULKHEAD WITH NEW VINYL SHEETING WITH MAXIMUM CHANNEL-WARD ENCROACHMENT OF 18", BACKFILL THE VOID BETWEEN THE OLD BULKHEAD AND NEW BULKHEAD WITH CLEAN SAND AND TO REMOVE EXISTING TIMBER PIER AND PLATFORM AND REPLACE WITH A NEW TIMBER PLATFORM AND ASSOCIATED PILES. ALSO, PROJECT PROPOSES TO RELOCATE EXISTING BOAT LIFT AND ASSOCIATED OUTER, CHANNELWARD PILES TO NOT EXCEED A MAXIMUM CHANNELWARD DISTANCE OF 22' FROM THE MEAN HIGH WATER LEVEL.

EXISTING BULKHEAD IS THE PROPERTY OF THE OWNER.

LEGEND

AFFECTED PROPERTY ADDRESS ADJACENT PROPERTY ADDRESS

BULKHEAD ELEVATION POINTS SOUNDINGS ELEVATION POINTS

EXISTING PROPERTY LINE

EXISTING BULKHEAD PROPOSED NEW BULKHEAD

84

82

X3.9

X (-4.1)

BULKHEAD OWNER:

RON & MARY BOLTZ 538 YACHT CLUB DRIVE

OCEAN PINES, MARYLAND 21811

PHONE 410-546-2210

LOCATION:

UNNAMED CANAL ALONG REAR OF PROPERTY LOCATED AT

538 YACHT CLUB DRIVE OCEAN PINES, MARYLAND 21811

WORCESTER COUNTY

1000 2000 4000 6000

SCALE: 1" = 2000'

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NOTE:
This Drawing does not include necessary components for construction safety. All construction must be done in compliance with the occupational safety and health act of 1970 and all rules and regulations thereto appurtenant.



BOLTZ RESIDENCE BULKHEAD REPLACEMENT

LOCATION MAP



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BULKHEAD QUANTITIES

BOLTZ BULKHEAD REPLACEMENT AREA

 $105 LF \times 1.5W = 158 SQ. FT.$

CLEAN SAND FILL

 $105 LF \times 1.5W \times 8'H =$

1,260 CU. FT. / 50 CU.YD.

TOTAL LENGTH = 105 LF TOTAL AREA OF NEW BULKHEAD = 158 SQ. FT.

TOTAL CLEAN SAND FILL REQUIRED 50 CU. YD. TOTAL DISTURBED AREA = 850 SQ. FT.

PROPOSED WATERACCESS IMPROVEMENT QUANTITIES

EXISTING TIMBER PIER TO BE REMOVED (5.9' W X 26' L) = 154.6 SQ. FT. EXISTING TIMBER PLATFORM TO BE REMOVED (3.6' W X 9.2' L) = 33.2 SQ. FT. EXISTING BOAT LIFT AND PILES TO BE RELOCATED (15' W X 13' L) = 195 SQ. FT.

NEW TIMBER PLATFORM (5.0' W X 40' L) = 200 SQ. FT.

TOTAL PLATFORM AREA = 200 SQ. FT.

AFFECTED LOT OWNER INFORMATION									
PROPERTY ADDRESS	MAILING ADDRESS	CURRENT OWNER	TAX MAP	GRID	PAR CEL	LOT #	SUB. SECT.	PLAT REF. (BOOK - PAGE)	DEED REF. (LIBER/FOLIO)
538 YACHT CLUB DRIVE OCEAN PINES 21811	SAME	MARY MALLOW & RON JEFFERY BOLTZ	16	23	14	5	18	RHO 144-40	7758/ 151

	ADJACE	NT LOT OWNER INF	ORM	ATIO	N				
PROPERTY ADDRESS	MAILING ADDRESS	CURRENT OWNER	TAX MAP	GRID	PAR CEL	LOT #	SUB. SECT.	PLAT REF. (BOOK - PAGE)	DEED REF. (LIBER/FOLIO)
536 YACHT CLUB DRIVE OCEAN PINES 21811	SAME	A. LEONARD SMITH FAMILY TRUST	16	23	14	4	18	RHO 144-40	4601 / 96
947 YACHT CLUB DRIVE OCEAN PINES 21811	SAME	PETER PAUL MALECKI & PAMELA J. SLATER	16	23	103	35	18	FWH 144-52	6771 / 159

PERMIT REQUEST

TO REPLACE DETERIORATING TIMBER BULKHEAD WITH NEW VINYL SHEETING WITH MAXIMUM CHANNEL-WARD ENCROACHMENT OF 18", BACKFILL THE VOID BETWEEN THE OLD BULKHEAD AND NEW BULKHEAD WITH CLEAN SAND AND TO REMOVE EXISTING TIMBER PIER AND PLATFORM AND REPLACE WITH A NEW TIMBER PLATFORM AND ASSOCIATED PILES. ALSO, PROJECT PROPOSES TO RELOCATE EXISTING BOAT LIFT AND ASSOCIATED OUTER. CHANNELWARD PILES TO NOT EXCEED A MAXIMUM CHANNELWARD DISTANCE OF 20' FROM THE **NEWLY REPLACED BULKHEAD.**

NOTES:

- 1. EXISTING BULKHEAD IS THE PROPERTY OF THE PROPERTY OWNER.
- 2. NO SUB-AQUATIC VEGETATIVE (SAV) BEDS WERE OBSERVED WITHIN THE PERMIT AREA.
- 3. MEAN HIGH WATER ELEVATION = +/- 1.0'

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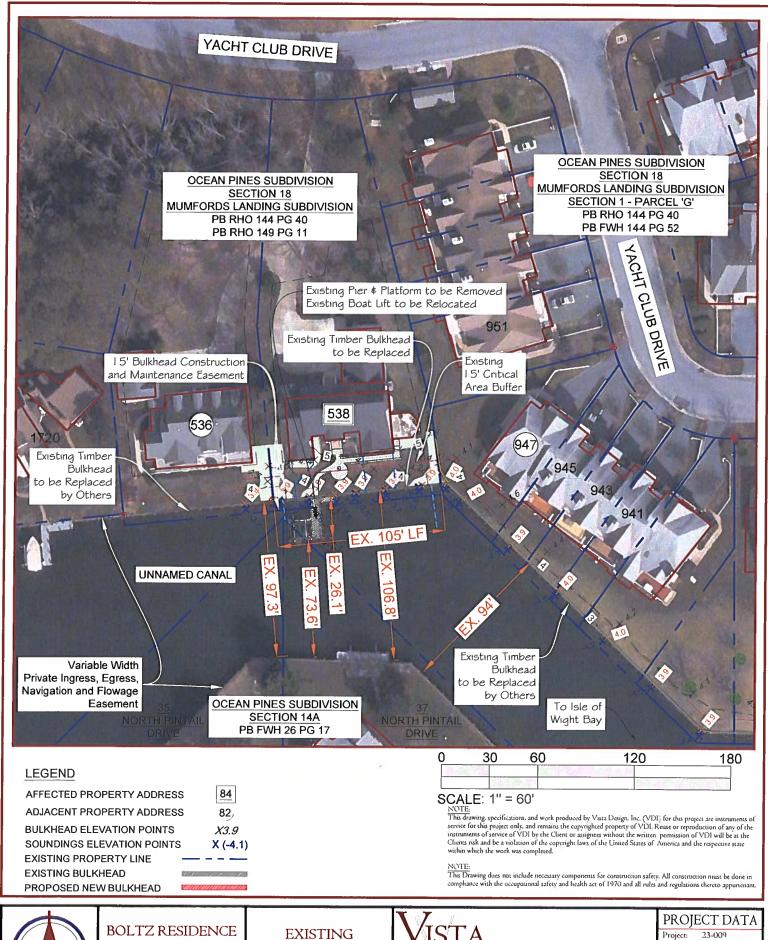
BOLTZ RESIDENCE BULKHEAD REPLACEMENT

OWNER & OUANTITY **TABLE**



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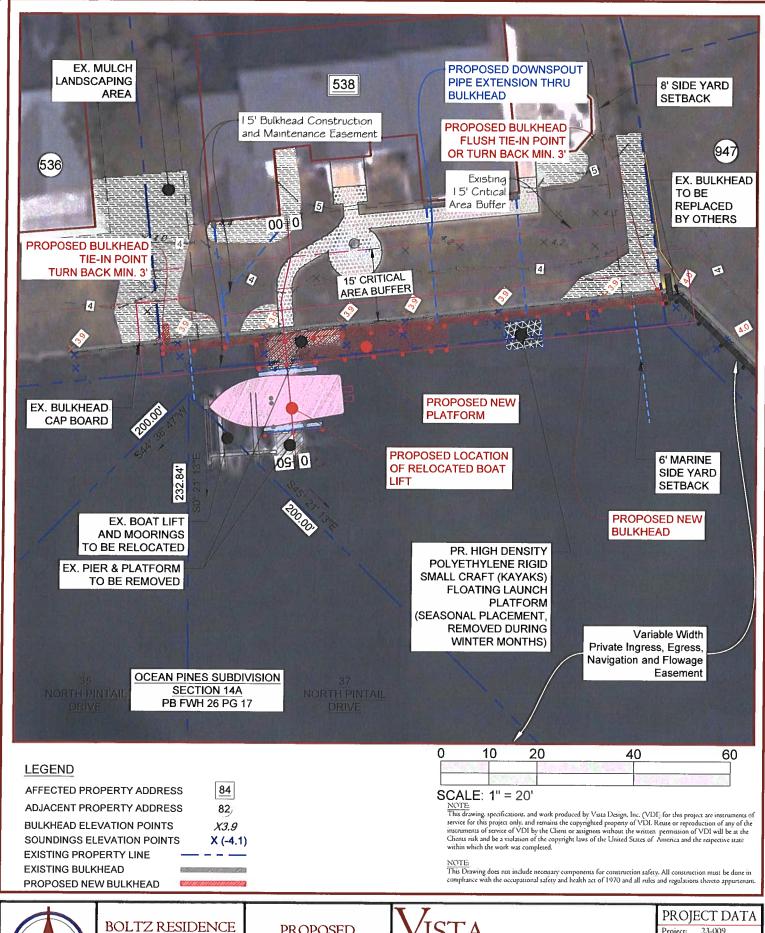


CONDITIONS **PLAN**



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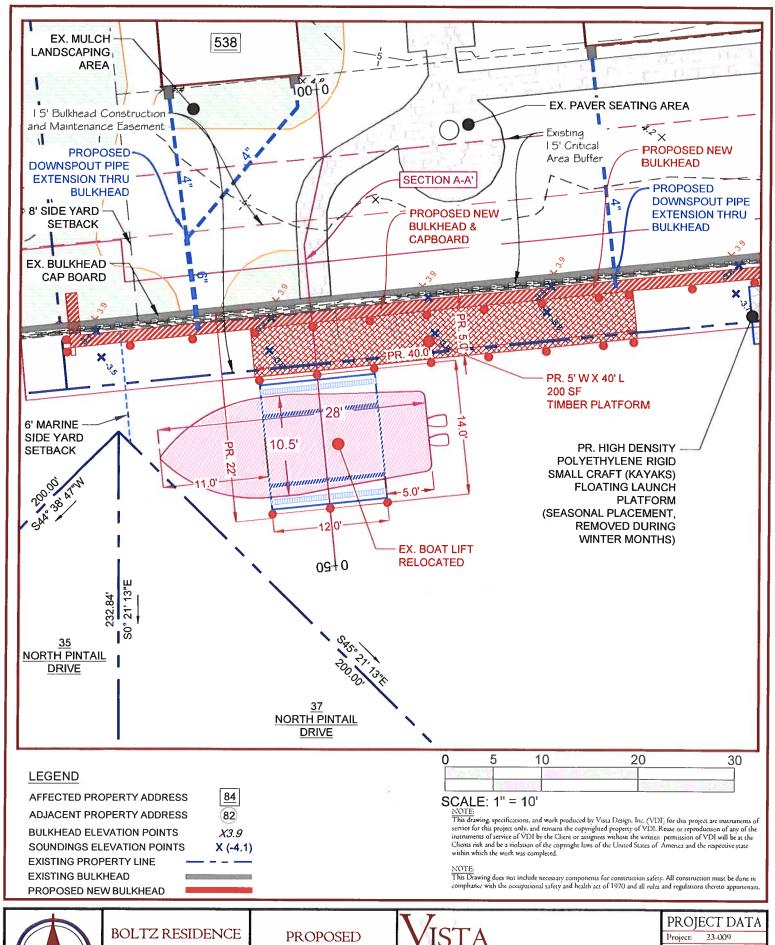


PROPOSED SITE **PLAN**



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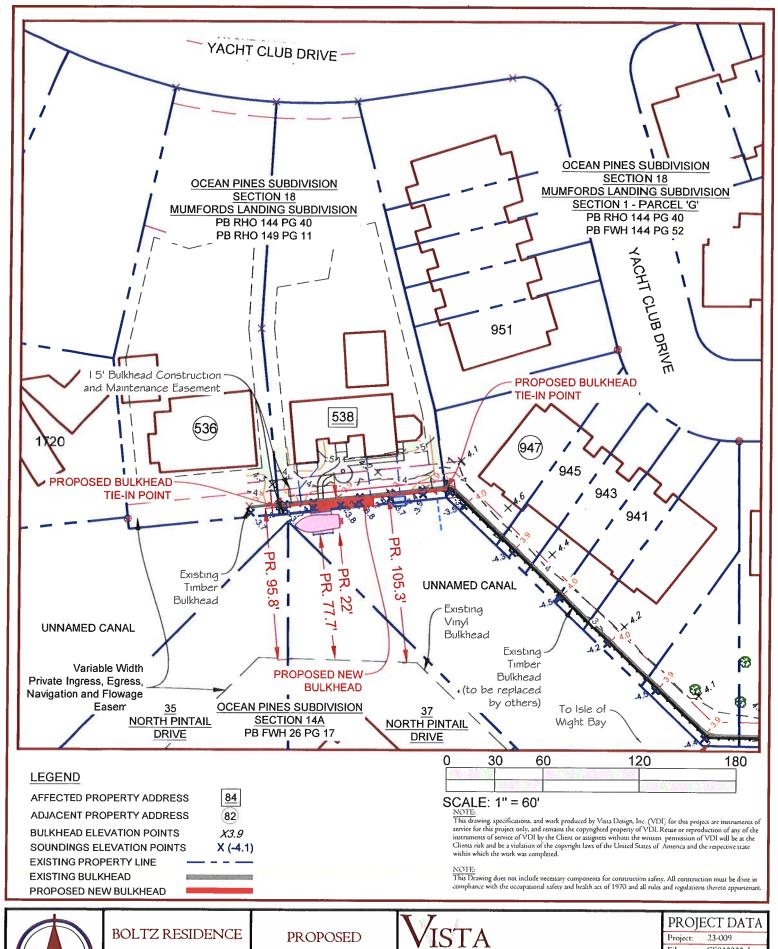




SITE **PLAN**

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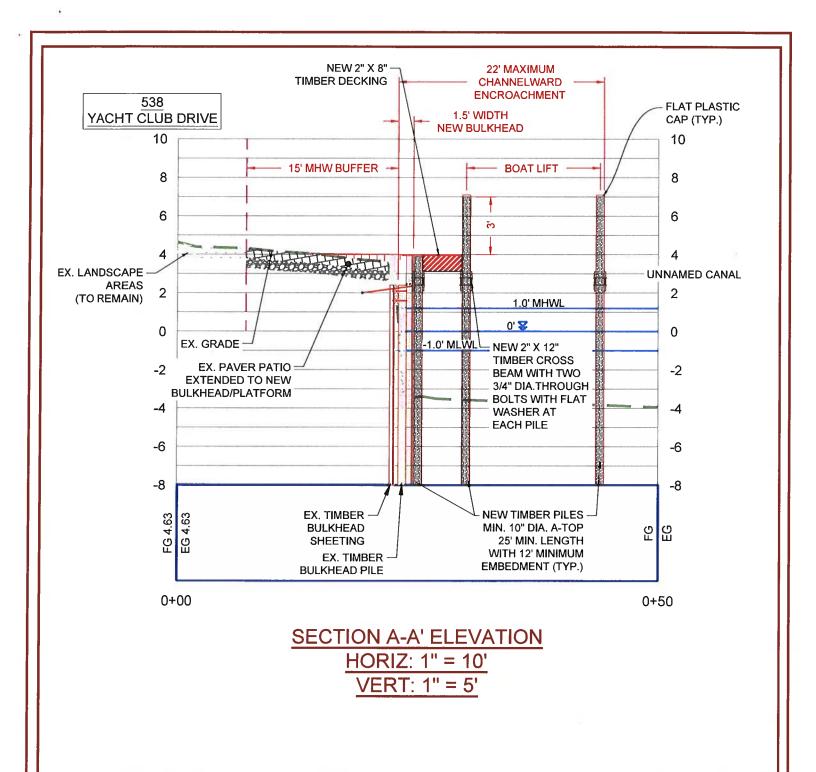




CHANNEL DIMENSIONS

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AFFECTED PROPERTY ADDRESS ADJACENT PROPERTY ADDRESS **BULKHEAD ELEVATION POINTS**

82 X3.9 SOUNDINGS ELEVATION POINTS X (-4.1) EXISTING PROPERTY LINE

84

EXISTING BULKHEAD PROPOSED NEW BULKHEAD



SCALE: 1" = 10'

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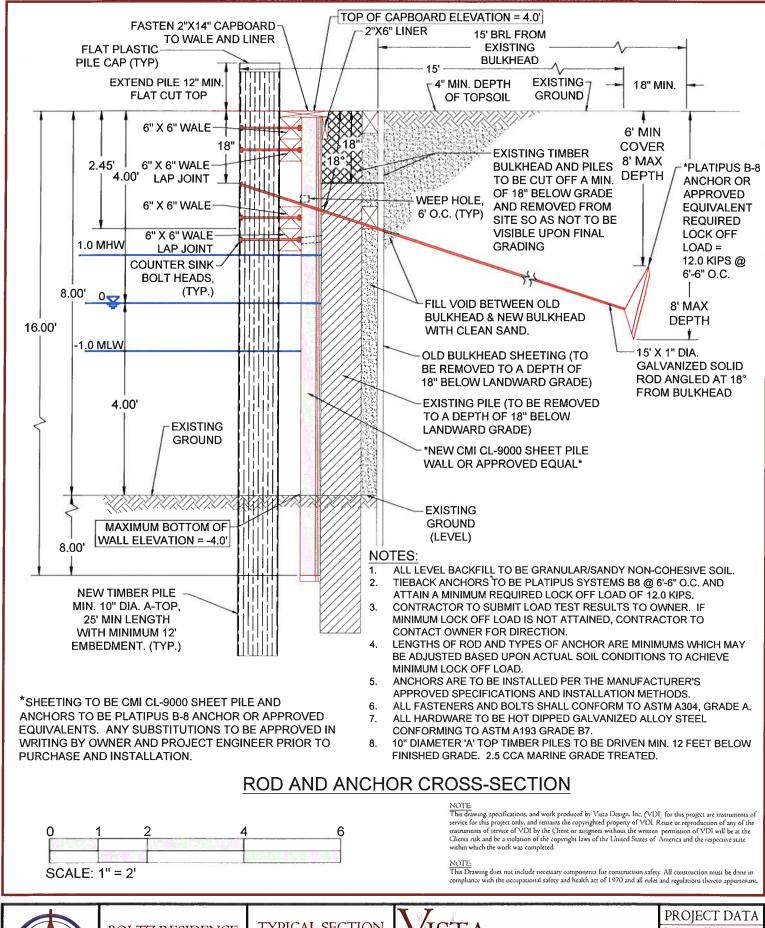
BOLTZ RESIDENCE BULKHEAD REPLACEMENT

PROPOSED PIER ELEVATION



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BOLTZ RESIDENCE BULKHEAD REPLACEMENT TYPICAL SECTION
THRU NEW/
OLD BULKHEAD
(PLATIPUS ANCHOR)

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AW 2.9" x 1" ROD HEAD AT WHALER WITH **BEVELED WASHER** AT OUTSIDE OF SUPPORT PILE PLATIPUS B-8 ANCHOR OR APPROVED

EQUIVALENT* LOCK OFF LOAD = 12.0 KIPS @ 6'-6" O.C.

1" GALVANIZED SOLID ROD

ALL HARDWARE TO BE NEW HOT DIPPED GALVANIZED.

ANCHOR TYPE	T-LOC VERSION	DIMENSIONS L x W x H (mm)	PROJECTED SURFACE AREA SQUARE MM (SQUARE INCH)	MATERIALS	TYPICAL LOAD RANGE	MINIMUM DRIVEN DEPTH	Wire	Rod	P Chain
B4		310 x 110 x 93 (12.2 x 4.3 x 3.6)	28,736 (44.54)	SG Cast Iron; Aluminum Bronze	10 - 30+ kN (2000 - 6000lbs)	2m	>	1	V
B6	PARTICIPATO PARTICIPATO DE LA CONTRACTOR	336 x 206 x 91 (13.22 x 8.11 x 3.58)	45,500 (70.52)	SG Cast Iron; Aluminum Bronze	15 - 50+ kN (3500 - 11000lbs)	2m	\$	£ ∛ ,	1
B8	SECONOMIA SECONO	423 x 259 x 105 (16.65 x 10.19 x 4.13)	71,500 (110.82)	SG Cast Iron; Aluminum Bronze	25 - 75+ kN (5500 - 16500lbs)	3m	1	1	1
B10	SOUR SOURT VICES	541 x 335 x 110 (21.29 x 13.18 x 4.33)	115,800 (179.49)	SG Cast Iron; Aluminum Bronze	40 - 100 + kN (9000 - 22000lbs)	4m	√	V	¥

0.5 SCALE: 1" = 1'

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AND INSTALLATION.

BOLTZ RESIDENCE BULKHEAD REPLACEMENT

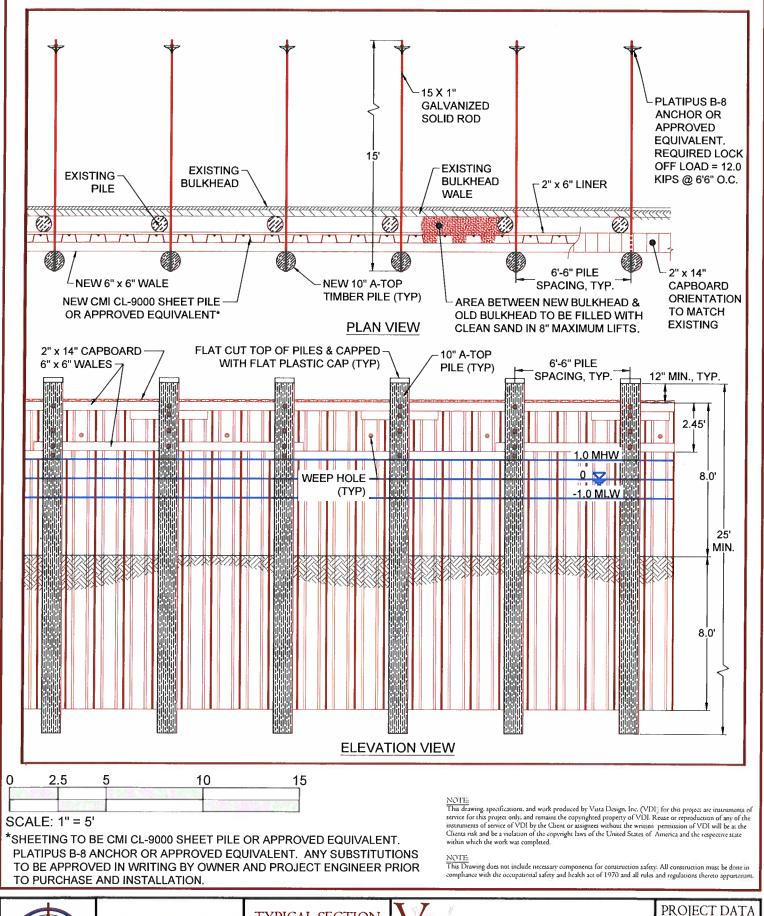
*PLATIPUS B-8 ANCHOR OR APPROVED EQUIVALENT. ANY SUBSTITUTIONS TO BE APPROVED IN WRITING BY

OWNER AND PROJECT ENGINEER PRIOR TO PURCHASE

TYPICAL DETAIL PLATIPUS B-8 **ANCHOR**



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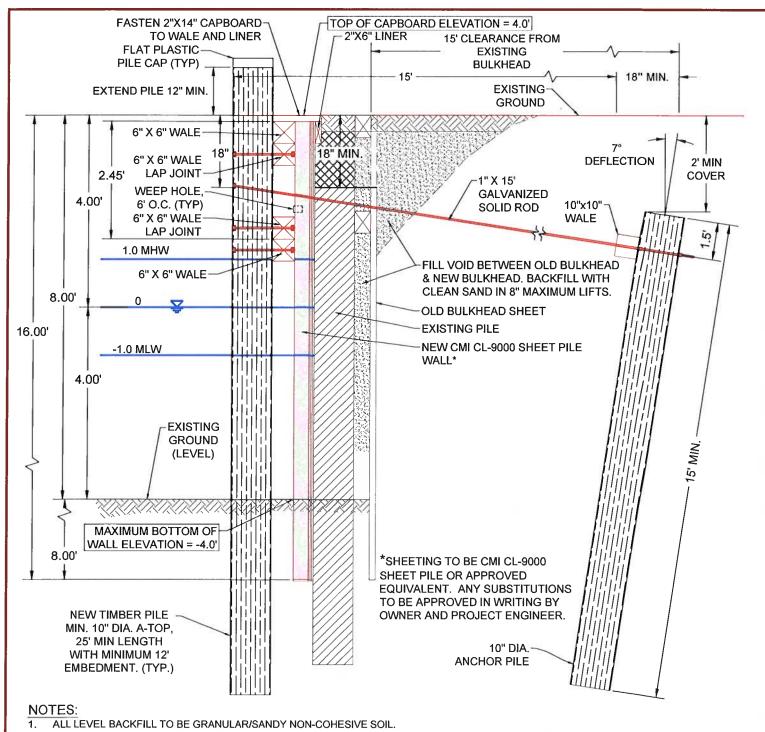


BOLTZ RESIDENCE BULKHEAD REPLACEMENT TYPICAL SECTION
THRU NEW/
OLD BULKHEAD
(PLATIPUS ANCHOR)

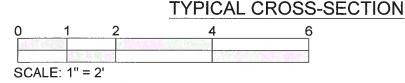
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- LENGTHS OF ROD AND TYPES OF ANCHOR ARE MINIMUMS WHICH MAY BE ADJUSTED BASED UPON ACTUAL SOIL CONDITIONS TO ACHIEVE MINIMUM LOCK OFF LOAD.
- 3. ANCHORS ARE TO BE INSTALLED PER THE MANUFACTURER'S APPROVED SPECIFICATIONS AND INSTALLATION METHODS.
- ALL FASTENERS AND BOLTS SHALL CONFORM TO ASTM A304, GRADE A.
- ALL HARDWARE TO BE HOT DIPPED GALVANIZED ALLOY STEEL CONFORMING TO ASTM A193 GRADE B7. 5.
- 10" DIAMETER 'A' TOP TIMBER PILES TO BE DRIVEN MIN. 12 FEET BELOW FINISHED GRADE. 2.5 CCA MARINE GRADE TREATED.



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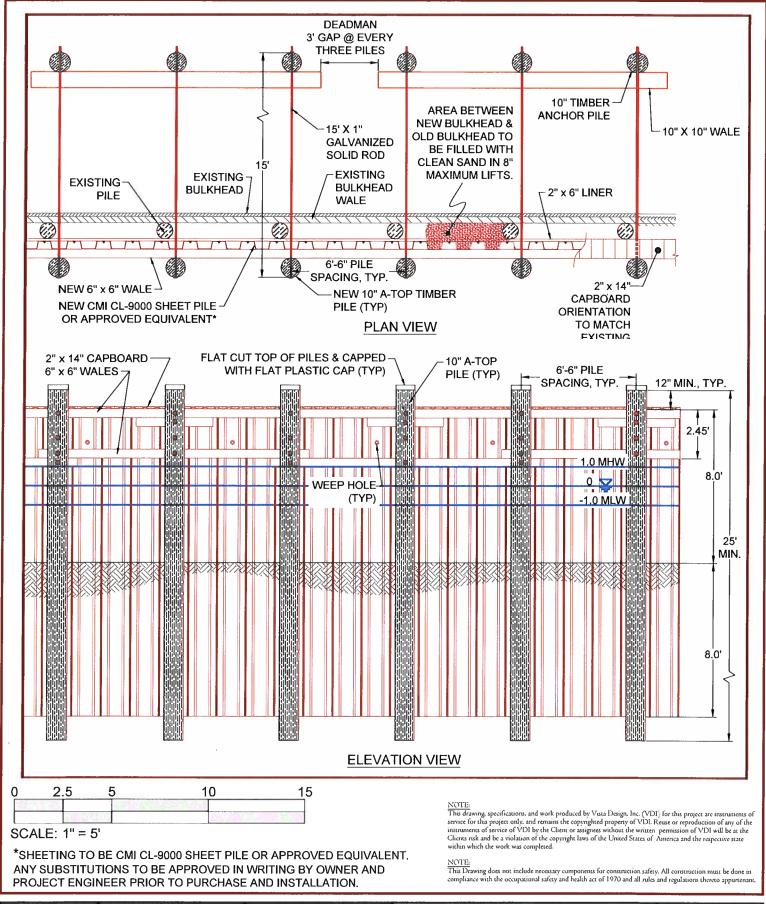
BOLTZ RESIDENCE BULKHEAD REPLACEMENT

TYPICAL SECTION THRU NEW/ OLD BULKHEAD (PILE DEADMAN)



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BOLTZ RESIDENCE BULKHEAD REPLACEMENT TYPICAL SECTION
THRU NEW/
OLD BULKHEAD
(PILE DEADMAN)

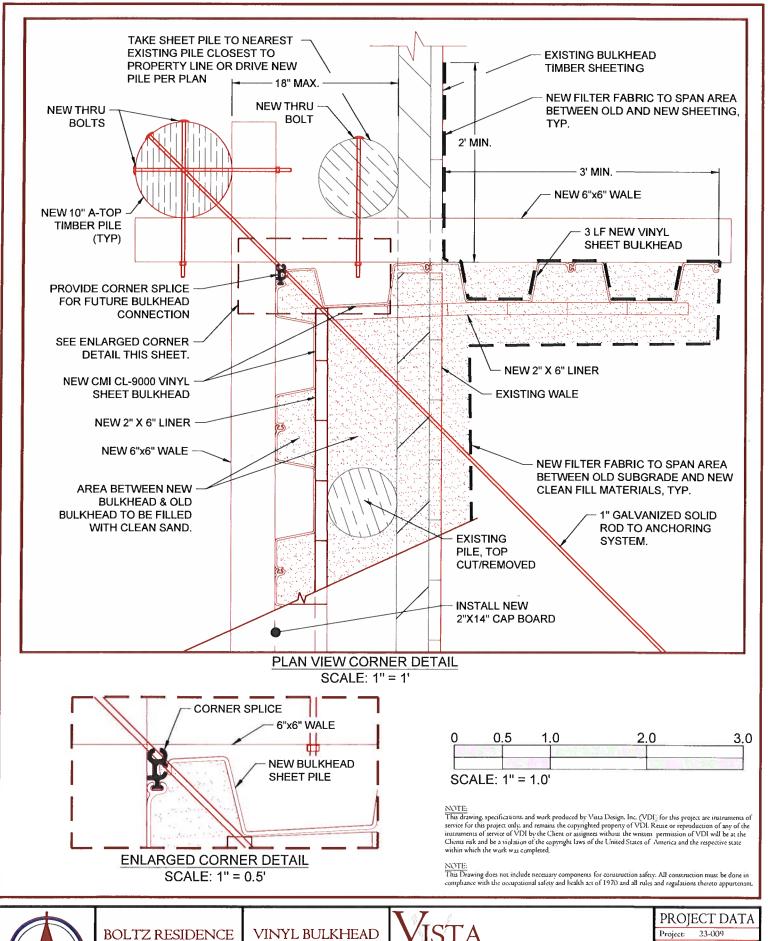
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TO EXISTING **BULKHEAD DETAIL** (IN-LINE)

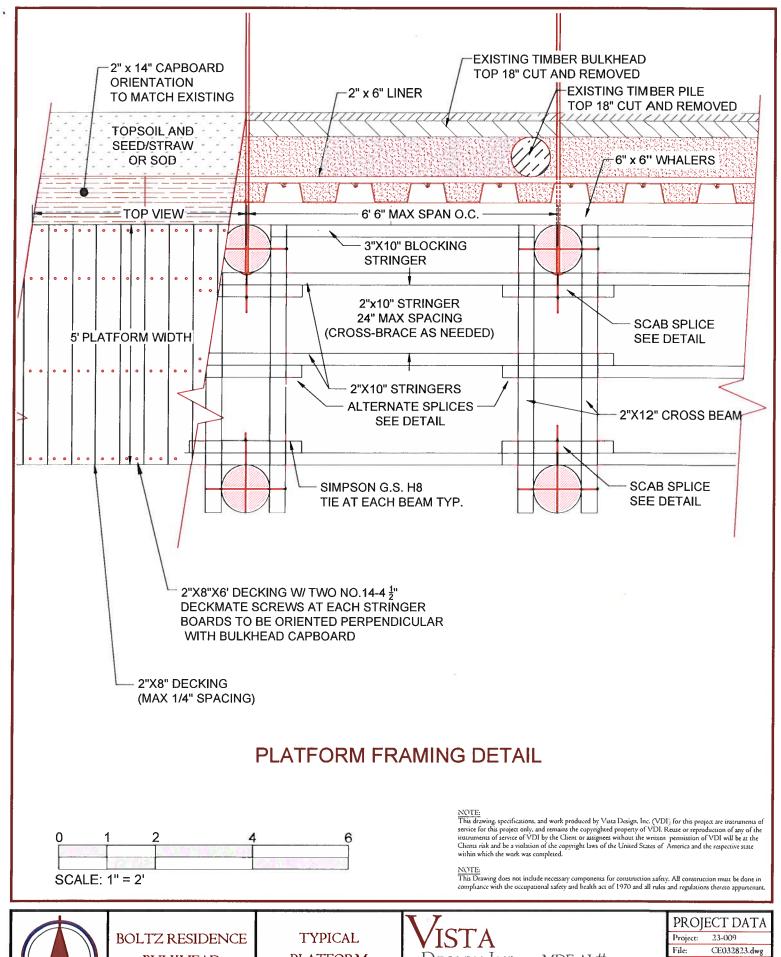


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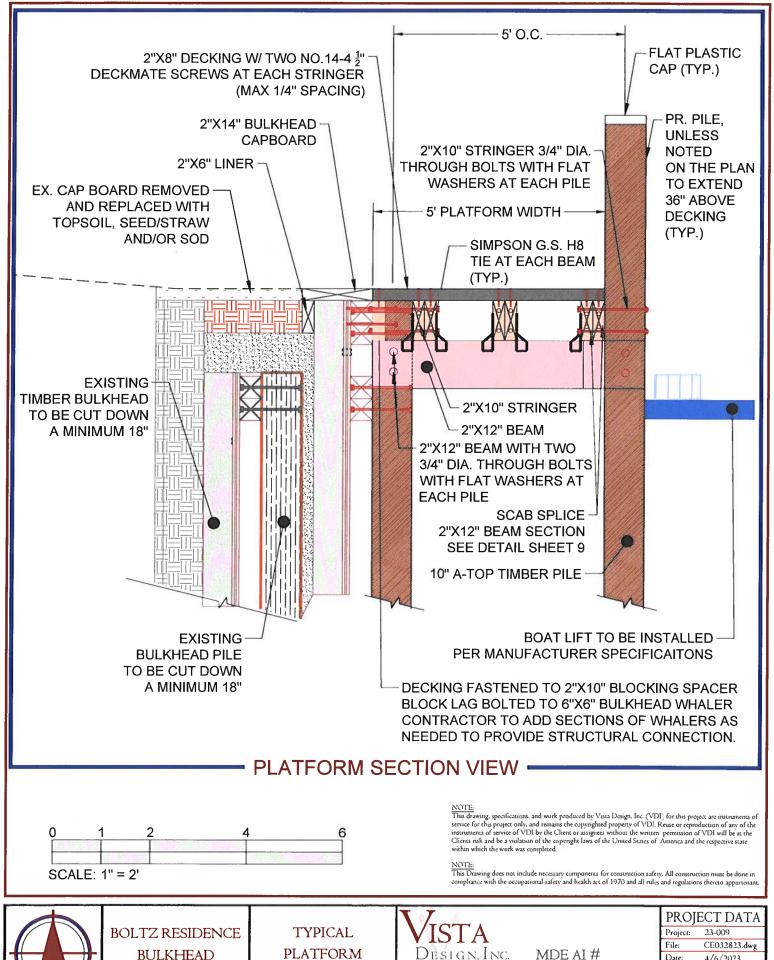




PLATFORM FRAMING DETAIL

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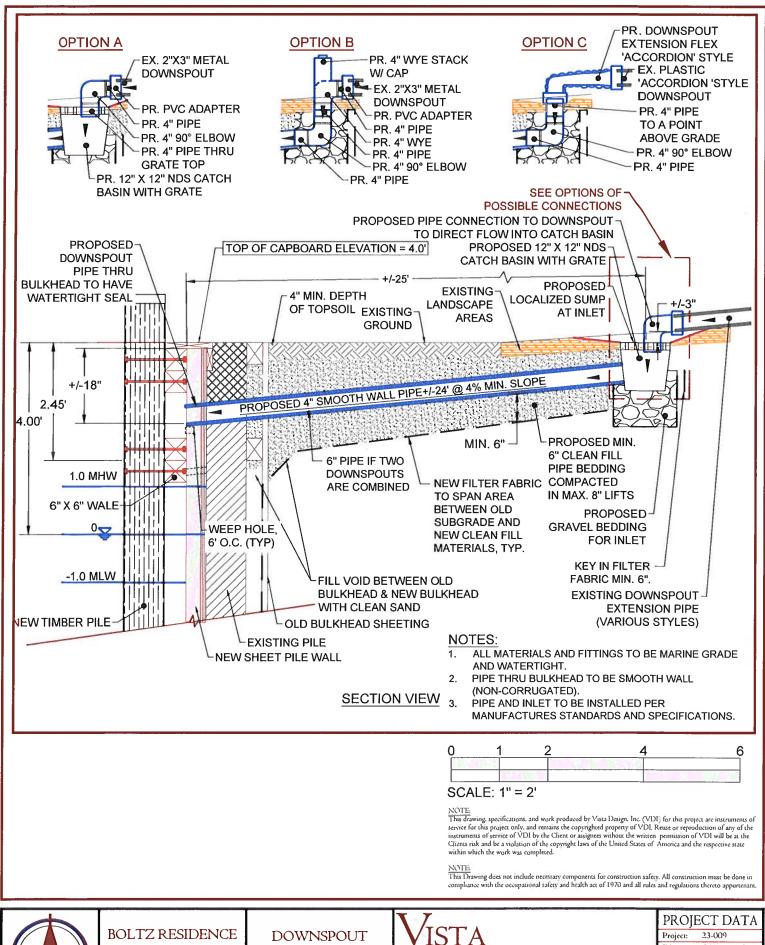




PLATFORM SECTION DETAIL

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PIPE THRU **BULKHEAD DETAIL**



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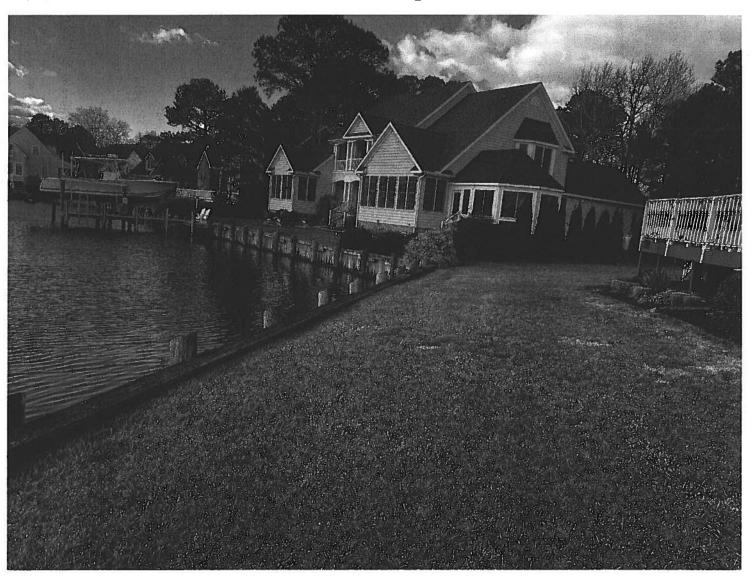
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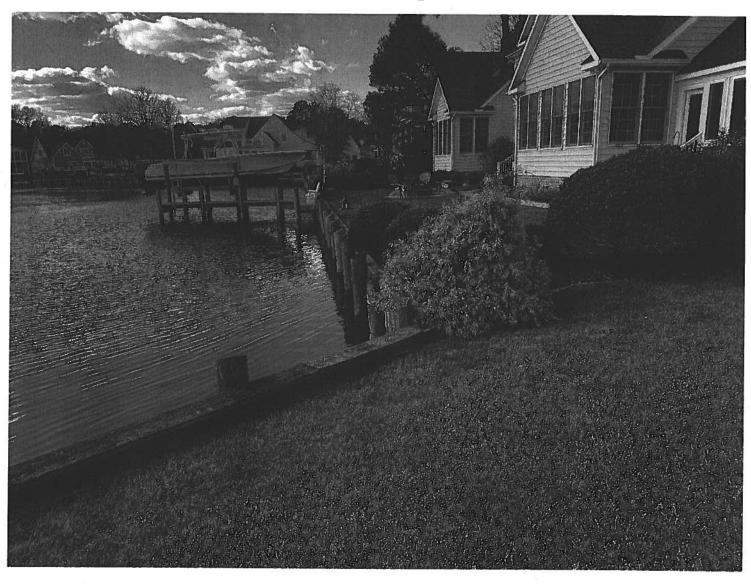
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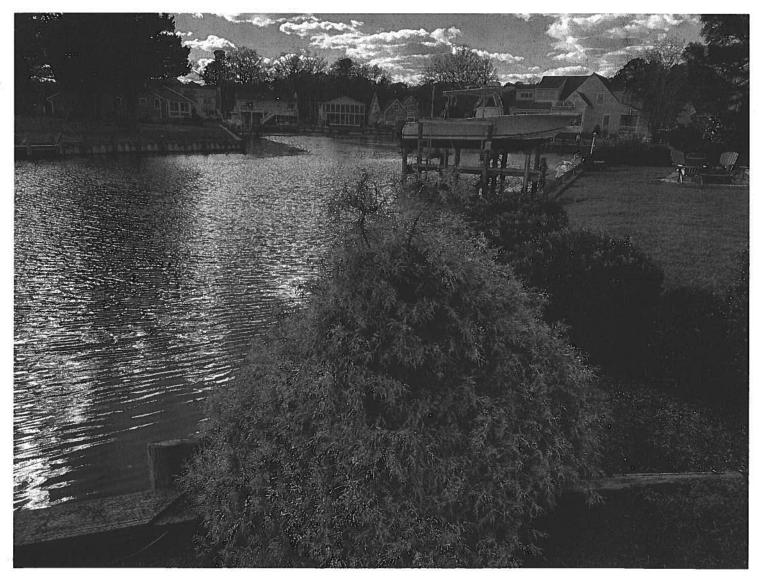
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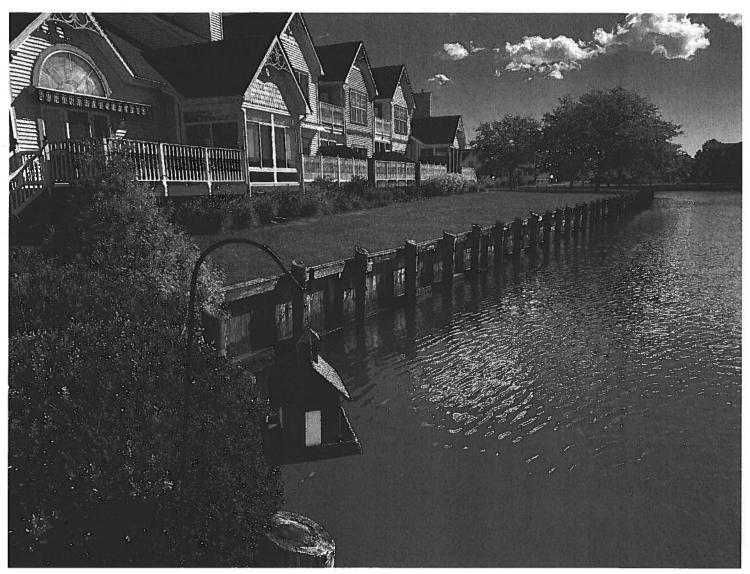


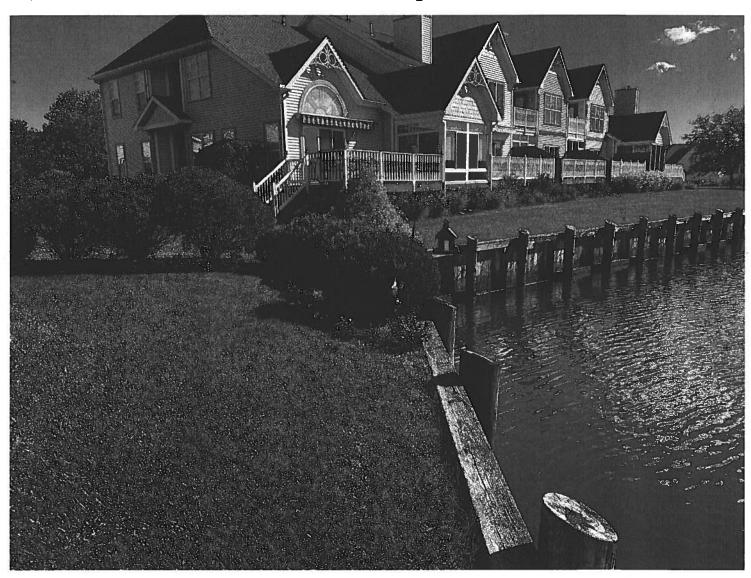


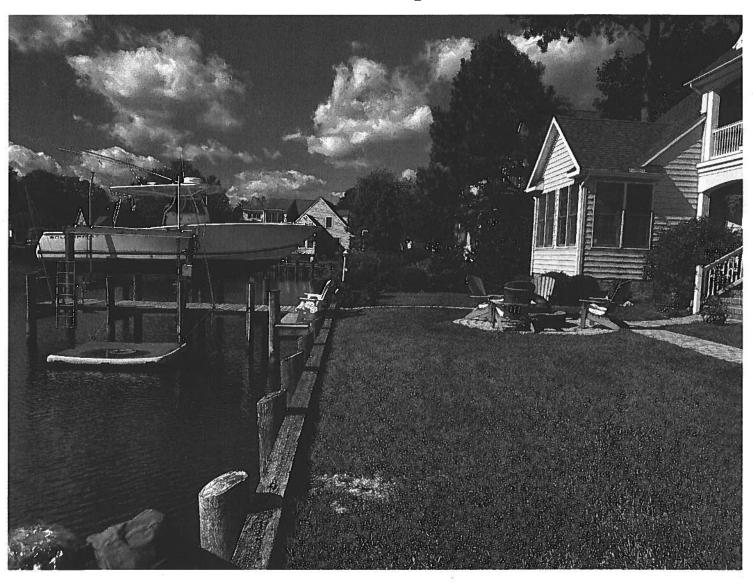


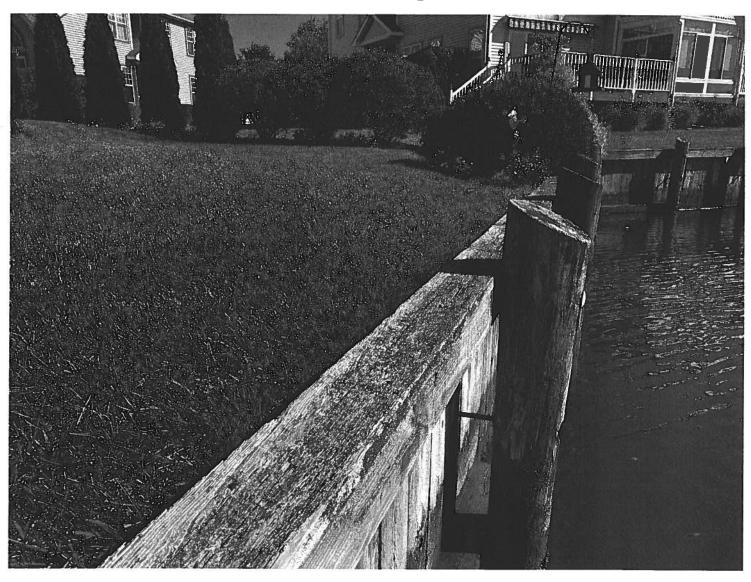


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