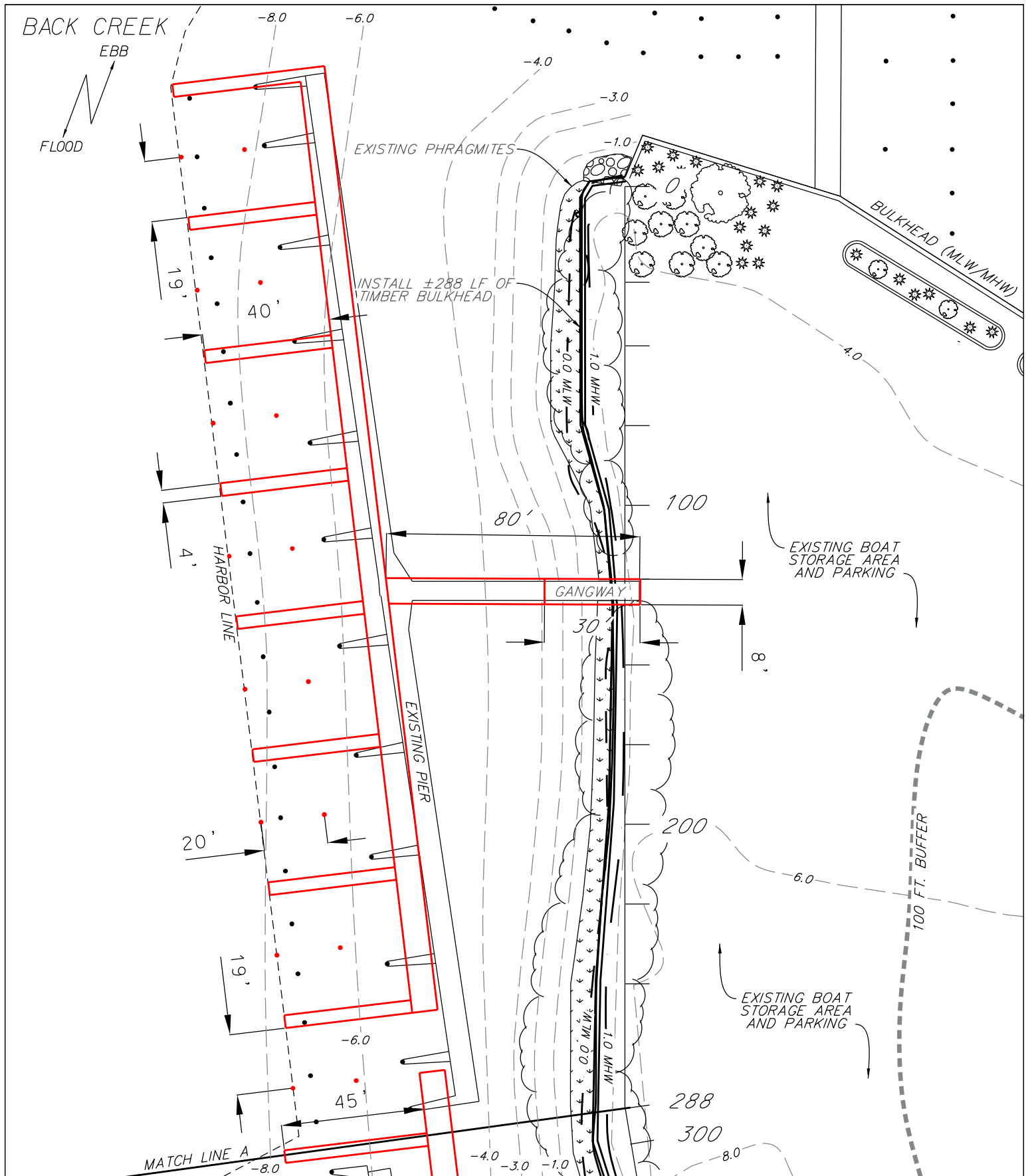




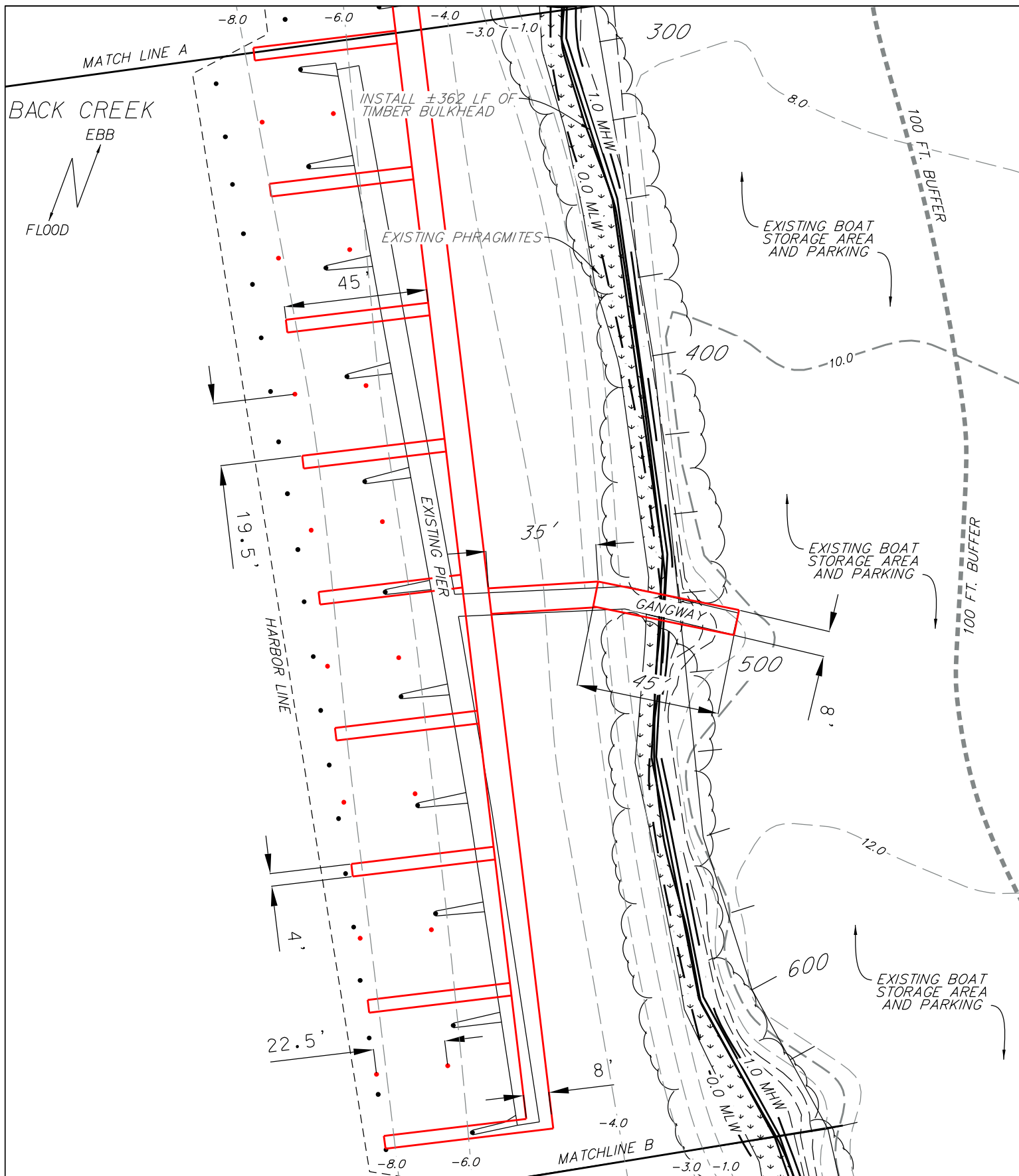
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Tax Map: 052G
Parcels: 238, 218-219,
220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

SITE PLAN/SEC. 1
SCALE: 1"=40'

Waterfront Engineering, Design
and Construction, Inc.
8348 Governor Ritchie Hwy.
Pasadena, Maryland 21122
((410) 798-1494
waterfrontdesign@verizon.net

PROPOSED:
Shoreline repairs.

in: Back Creek State: Maryland
co: Anne Arundel at: Back Creek
Application by: Jabin Family Real Estate, LLC
Sheet 4 of 23 Date: June 10, 2021



Tax Account No.:
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Zoning: WMI

SITE PLAN/SEC. 2
SCALE: 1"=40'

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Application by: Jabin Family Real Estate, LLC
Sheet 5 of 23 Date: June 10, 2021

BACK CREEK

EBB

FLOOD

HARBOR LINE

MATCHLINE B

INSTALL ±200 LF OF
TIMBER BULKHEAD

HARBOR LINE

MATCHLINE C

GANGWAY

EXISTING PHRAGMITES

100 FT. BUFFER

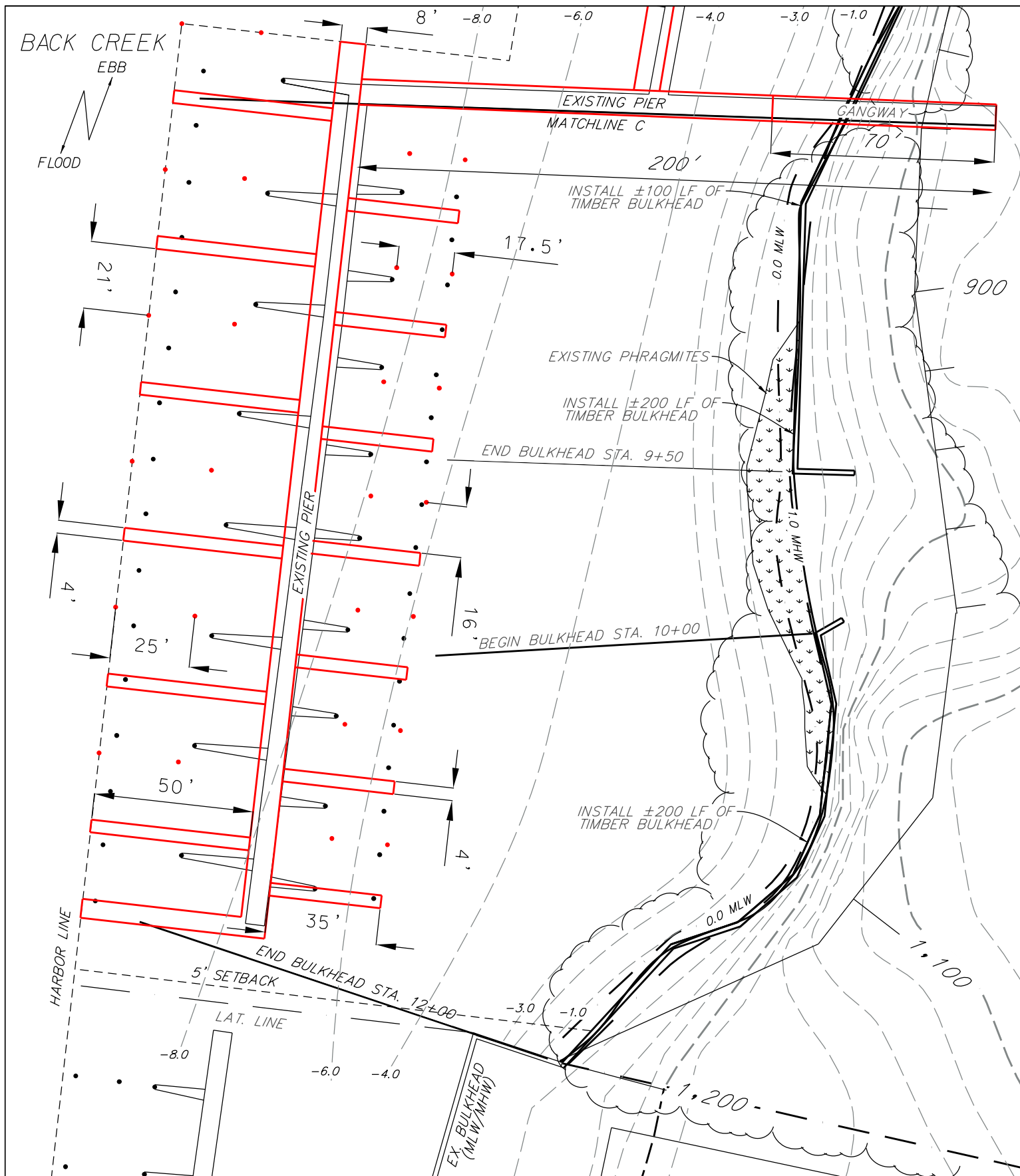
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Tax Map: 052G
Parcels: 238, 218-219,
220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

SITE PLAN/SEC. 3
SCALE: 1"=40'

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Pasadena, Maryland 21122
(410) 798-1494
waterfrontdesign@verizon.net

PROPOSED:
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in: Back Creek State: Maryland
co: Anne Arundel at: Back Creek
Application by: Jabin Family RealEstate, LLC
Sheet 6 of 23 Date: June 10, 2021



Tax Account No.:
06-000-08353802

Tax Map: 052G

Parcels: 238, 218-219,
220-228 & 240-242

Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301

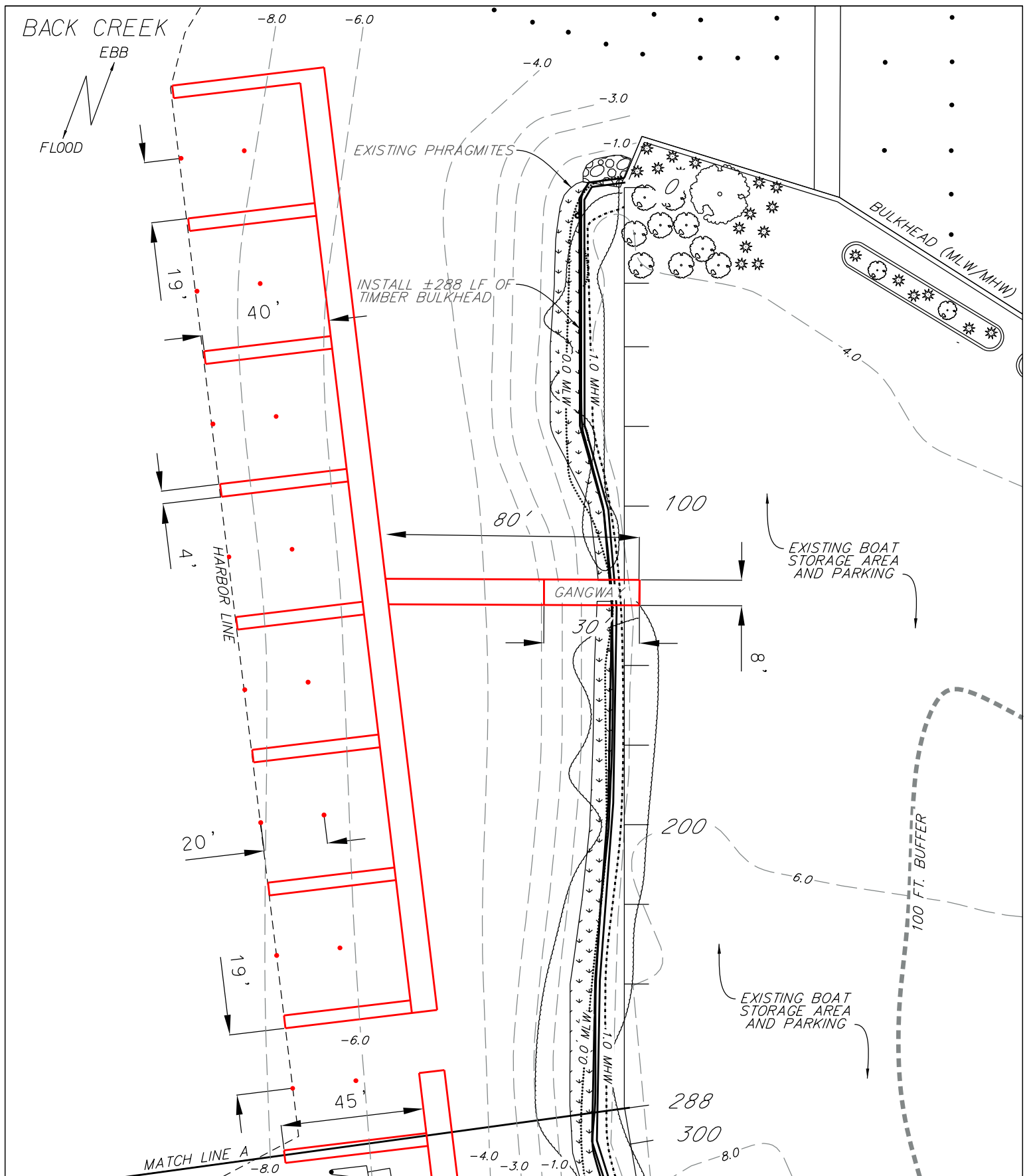
Zoning: WMI

SITE PLAN/SEC. 4 SCALE: 1"=40'

Waterfront Engineering, Design
and Construction, Inc.
8348 Governor Ritchie Hwy.
Pasadena, Maryland 21122
(410) 798-1494
waterfrontdesign@verizon.net

PROPOSED:
Shoreline repairs.

in: Back Creek State: Maryland
co: Anne Arundel at: Back Creek
Application by: Jabin Family Real Estate, LLC
Sheet 7 of 23 Date: June 10, 2021



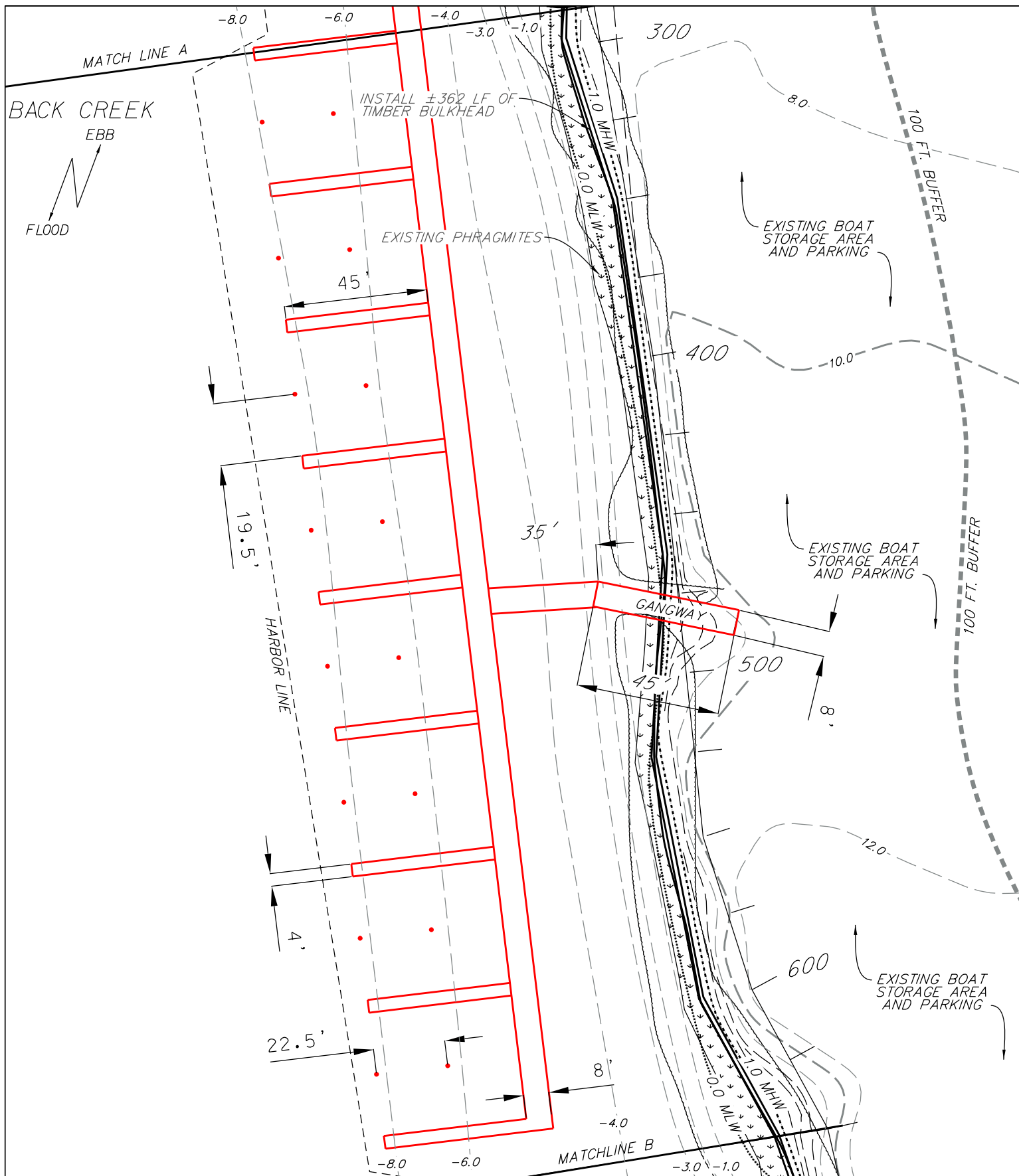
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Parcels: 238, 218-219,
220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

SITE PLAN/SEC. 1
SCALE: 1"=40'

Waterfront Engineering, Design
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8348 Governor Ritchie Hwy.
Pasadena, Maryland 21122
((410) 798-1494
waterfrontdesign@verizon.net

PROPOSED:
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Application by: Jabin Family Real Estate, LLC
Sheet 8 of 23 Date: June 10, 2021



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Tax Map: 052G
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220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

SITE PLAN/SEC. 2
SCALE: 1"=40'

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PROPOSED:
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Application by: Jabin Family Real Estate, LLC
Sheet 9 of 23 Date: June 10, 2021

BACK CREEK

EBB

FLOOD

HARBOR LINE

MATCHLINE B

INSTALL ±200 LF OF
TIMBER BULKHEAD

HARBOR LINE

MATCHLINE C

GANGWAY

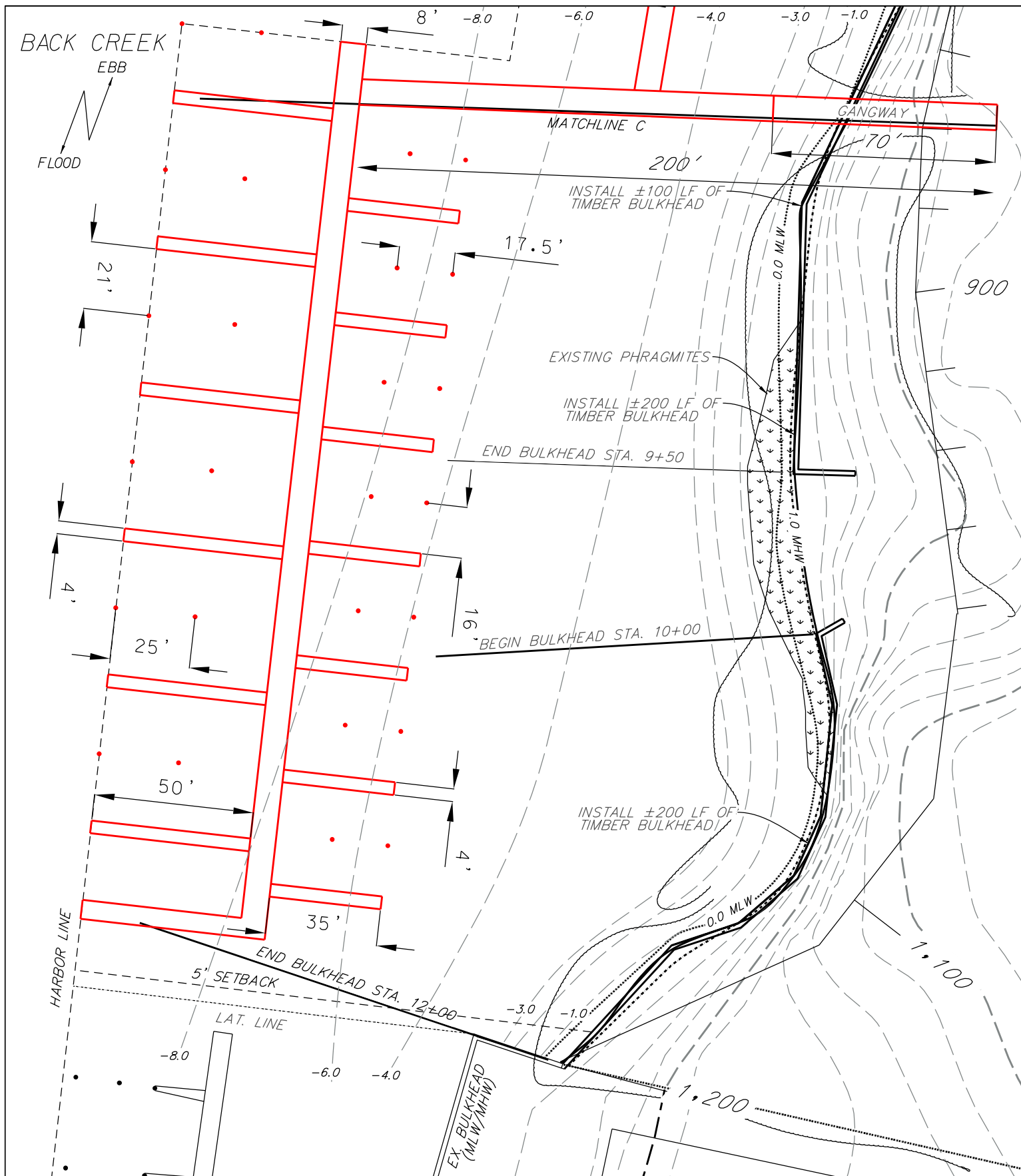
EXISTING PHRAGMITES

100 FT. BUFFER

Tax Account No.:
06-000-08353802
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8868/172, 9948/488
& 10098/301
Zoning: WMI

SITE PLAN/SEC. 3
SCALE: 1"=40'
Waterfront Engineering, Design
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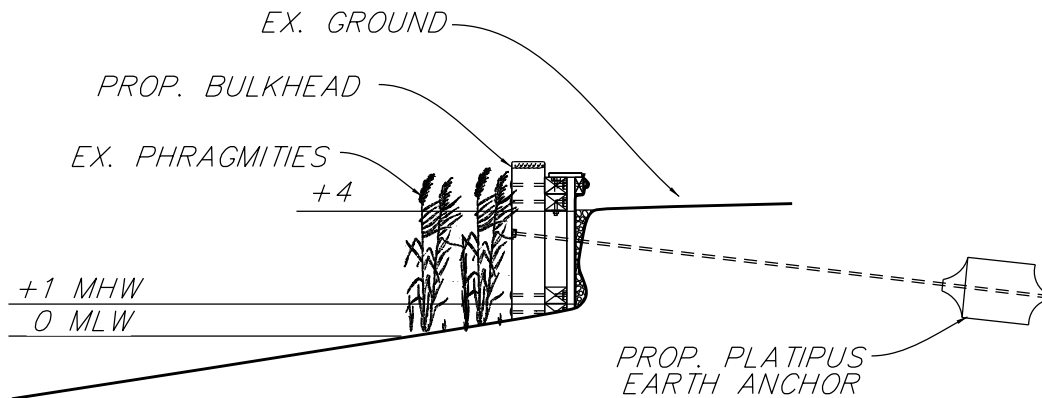
PROPOSED:
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in: Back Creek State: Maryland
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Application by: Jabin Family RealEstate, LLC
Sheet 10 of 23 Date: June 10, 2021



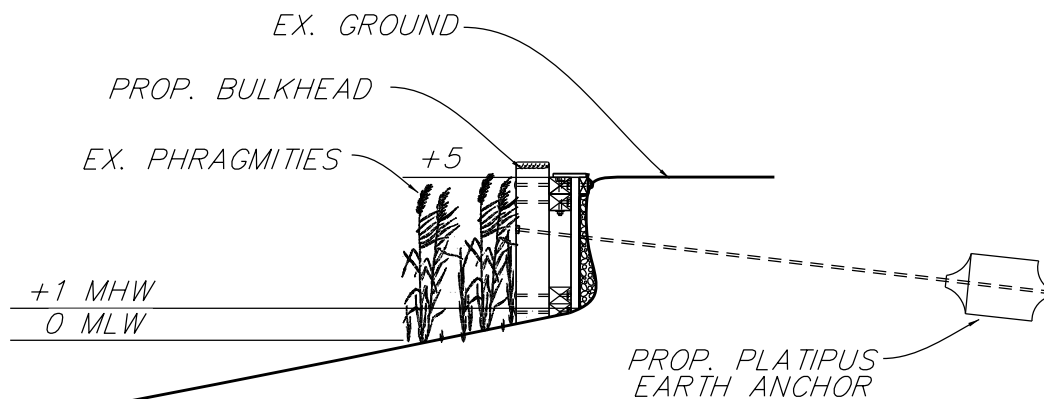
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Parcels: 238, 218-219,
220-228 & 240-242
Deed Ref: 3456/29,
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& 10098/301
Zoning: WMI

SITE PLAN/SEC. 4
SCALE: 1"=40'
Waterfront Engineering, Design
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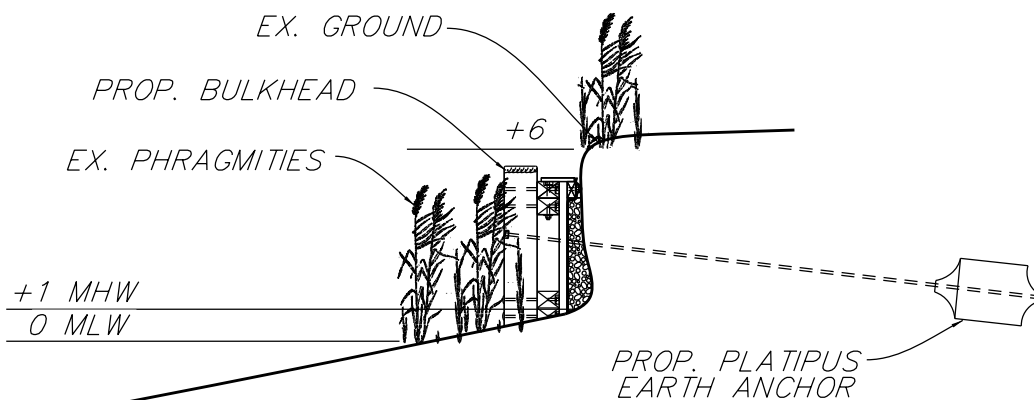
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in: Back Creek State: Maryland
co: Anne Arundel at: Back Creek
Application by: Jabin Family Real Estate, LLC
Sheet 11 of 23 Date: June 10, 2021



STATION 0+00



STATION 1+00



STATION 2+00

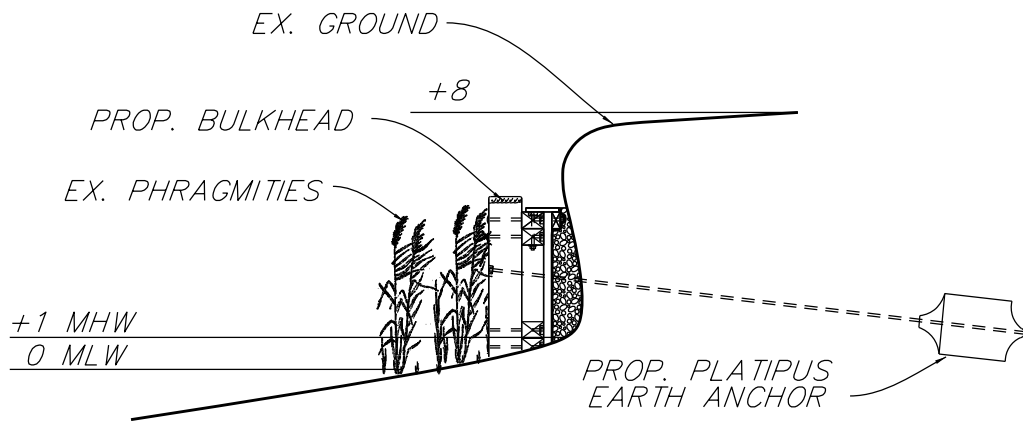
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Tax Map: 052G
Parcels: 238, 218-219,
220-228 & 240-242
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8868/172, 9948/488
& 10098/301
Zoning: WMI

SECTIONS (1 OF 4)
SCALE: 1"=6'

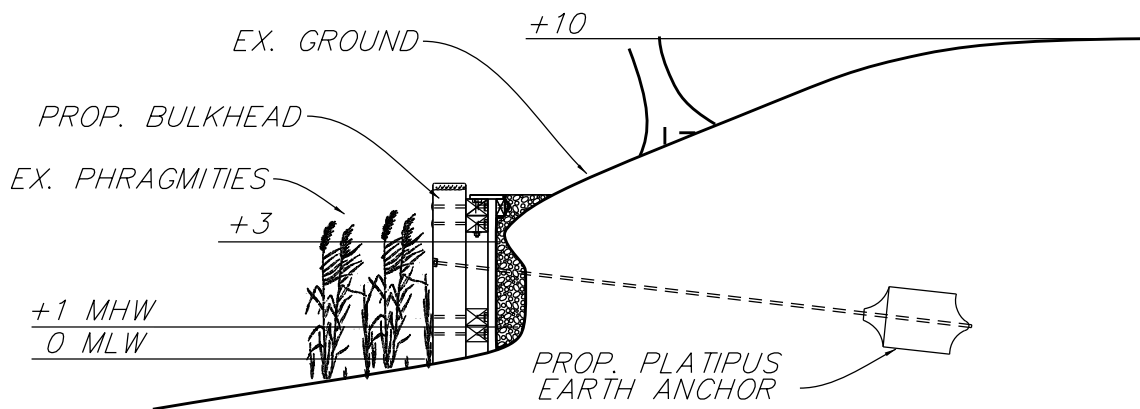
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PROPOSED:
Shoreline repairs.

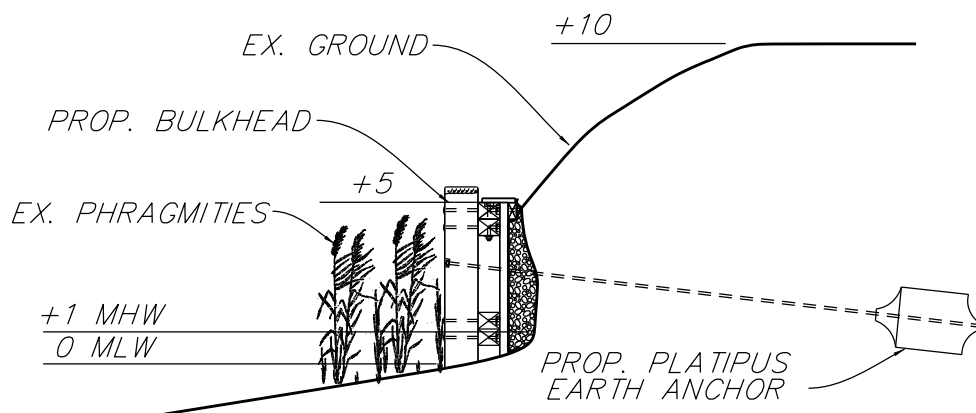
in: Back Creek State: Maryland
co: Anne Arundel at: Back Creek
Application by: Jabin Family Real Estate, LLC
Sheet 12 of 23 Date: June 10, 2021



STATION 3+00



STATION 4+00



STATION 5+00

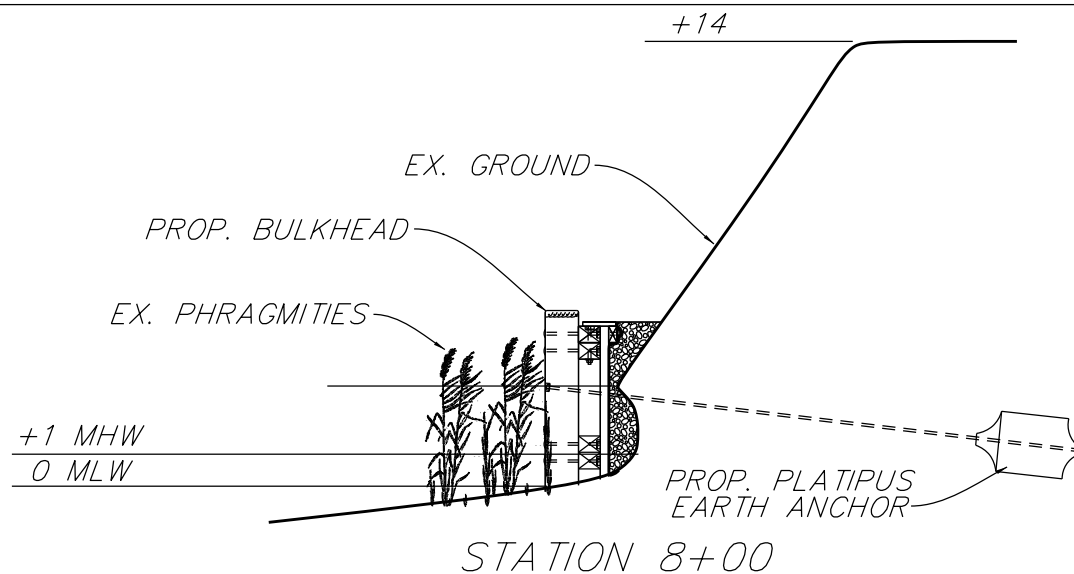
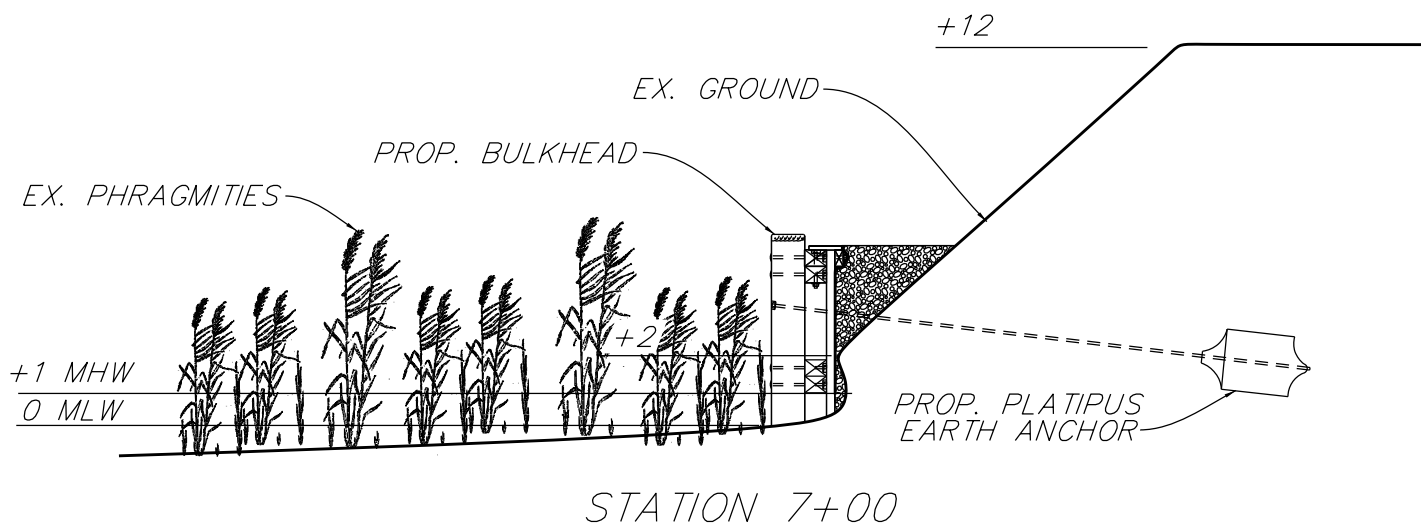
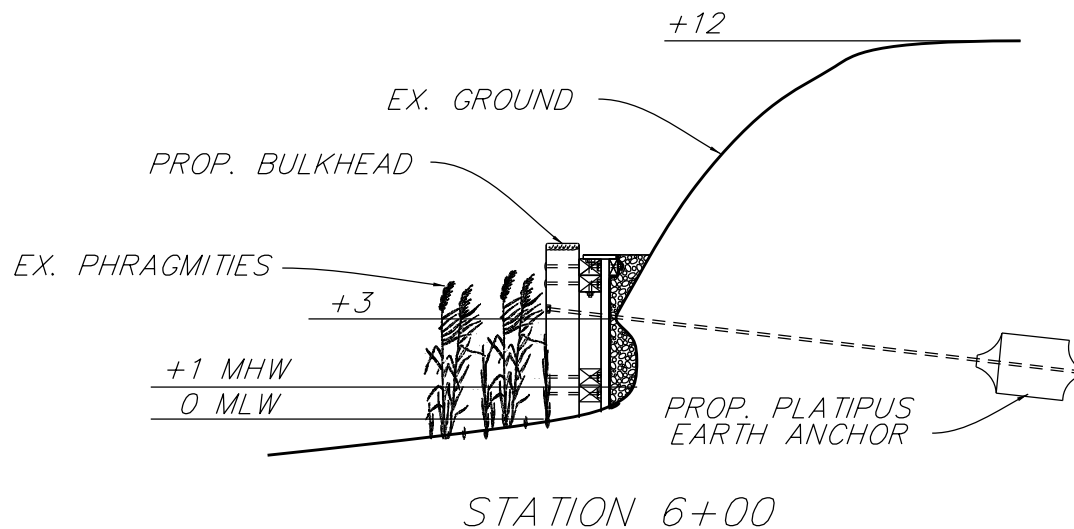
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Tax Map: 052G
Parcels: 238, 218-219,
220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

SECTIONS (2 OF 4)
SCALE: 1"=6'

Waterfront Engineering, Design
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(410) 798-1494
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PROPOSED:
Shoreline repairs.

in: Back Creek State: Maryland
co: Anne Arundel at: Back Creek
Application by: Jabin Family Real Estate, LLC
Sheet 13 of 23 Date: June 10, 2021



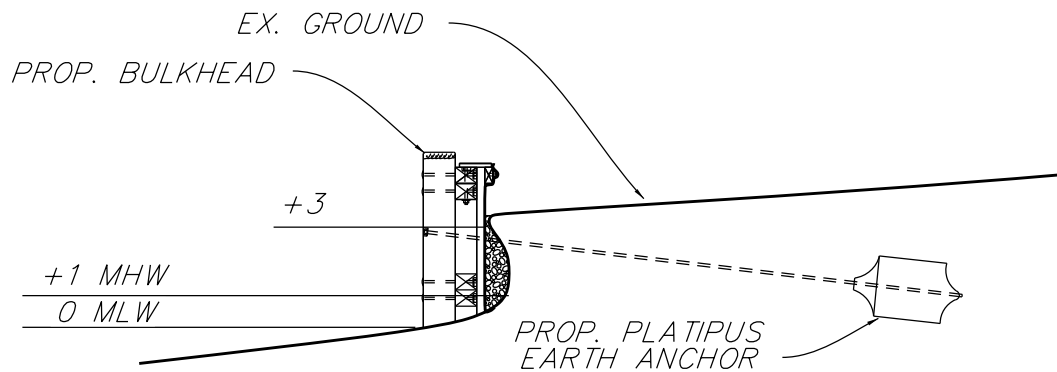
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Tax Map: 052G
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220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

SECTIONS (3 OF 4)
SCALE: 1"=6'

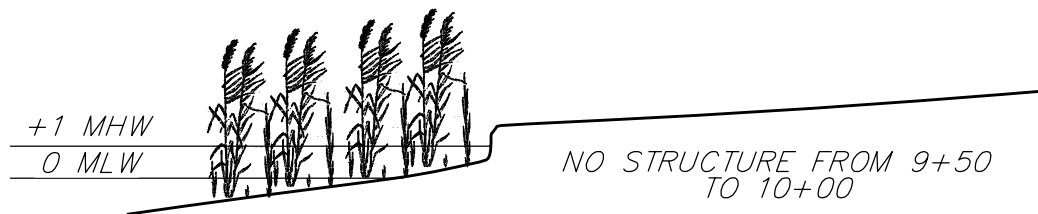
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(410) 798-1494
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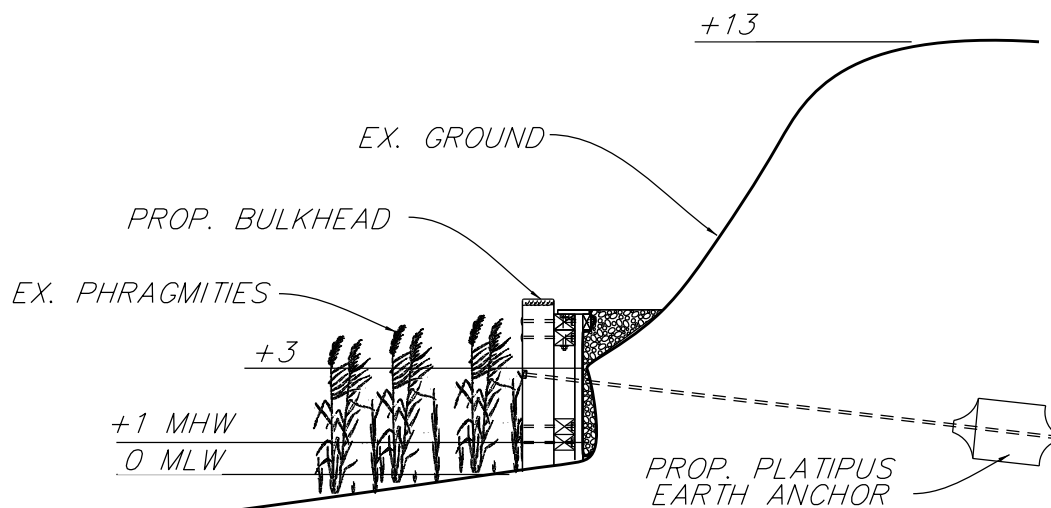
in: Back Creek State: Maryland
co: Anne Arundel at: Back Creek
Application by: Jabin Family Real Estate, LLC
Sheet 14 of 23 Date: June 10, 2021



STATION 9+00



STATION 10+00



STATION 11+00

Tax Account No.:
06-000-08353802
Tax Map: 052G
Parcels: 238, 218-219,
220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

SECTIONS (4 OF 4)
SCALE: 1"=6'

Waterfront Engineering, Design
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Pasadena, Maryland 21122
(410) 798-1494
waterfrontdesign@verizon.net

PROPOSED:
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in: Back Creek State: Maryland
co: Anne Arundel at: Back Creek
Application by: Jabin Family Real Estate, LLC
Sheet 15 of 23 Date: June 10, 2021

Tax Account No.:
06-000-08353802
Tax Map: 052G
Parcels: 238, 218-219,
220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

**BULKHEAD
DETAIL (1 OF 2)**
Waterfront Engineering, Design
and Construction, Inc.
8348 Governor Ritchie Hwy.
Pasadena, Maryland 21122
(410) 798-1494
waterfrontdesign@verizon.net

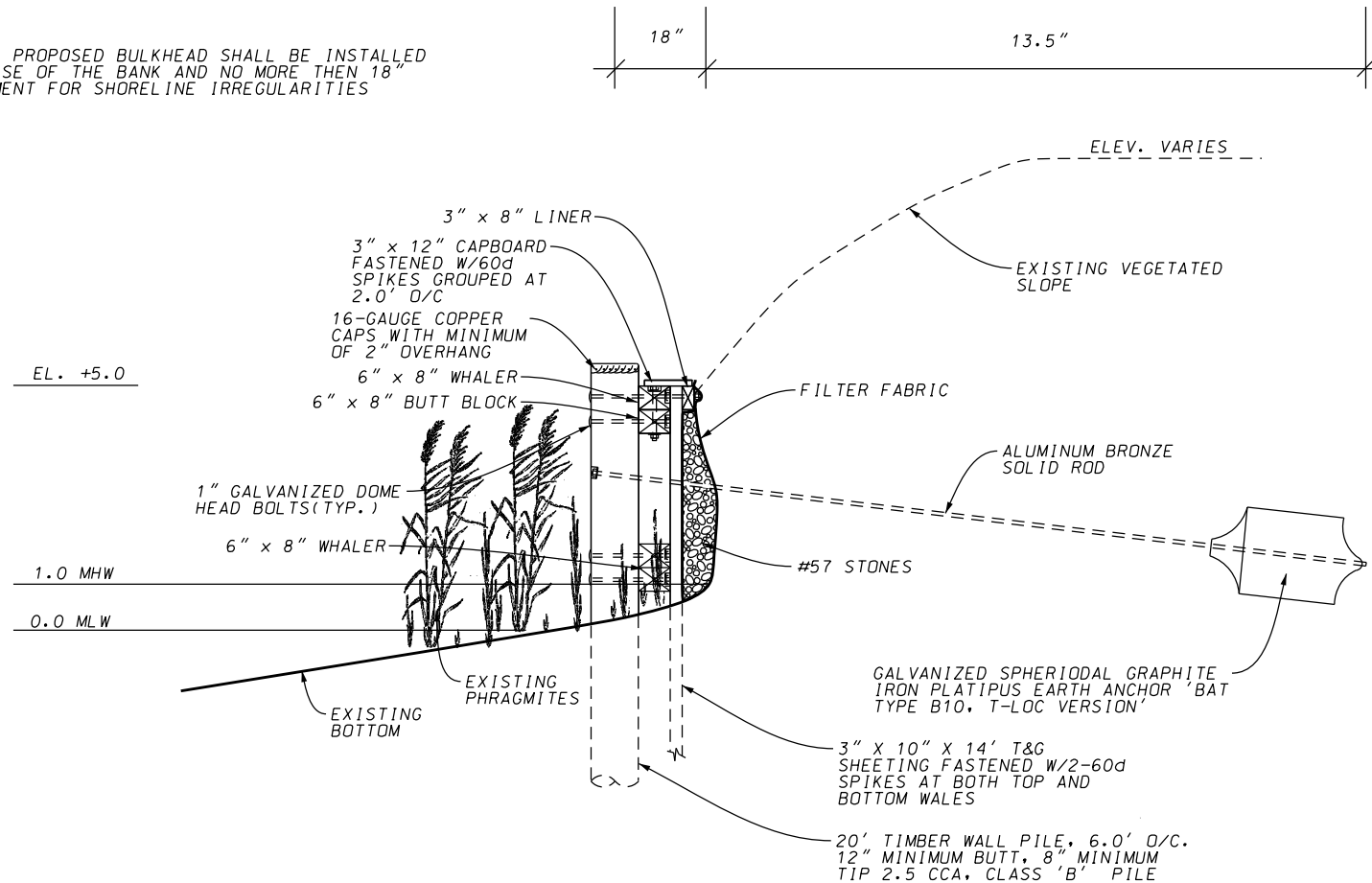
PROPOSED:
Shoreline repairs.
in: Back Creek
co: Anne Arundel
Application by: Jabini Family Real Estate, LLC
Date: June 10, 2021
State: Maryland
at: Back Creek

NOTES:

1. Wood shall be grade #2 or better per AWP Standards
(1) Piles - 2.5 lb/cu. ft. CCA Type C is required.
(2) Wales, Cap-Boards, and Sheeting - 2.5 lb/cu. ft. CCA Type C is required.
2. All steel hardware shall be hot dip galvanized after fabrication and must be specified for marine use.
3. All wall piles must be a minimum length of 20' with 12" minimum butt, 8" minimum tip, 5.5' O/C.
4. This standard is for typical river conditions with firm granular soil. It does not take into account excessive water depth, poor soil conditions, scouring due to currents or waves, or heavy loads. Where site conditions differ the structure shall be designed and sealed by a Licensed Professional Engineer registered to practice in the State of Maryland.
5. The details on this drawing are to be considered as the minimum standards for specific conditions. It shall be the responsibility of the applicant's contractor to

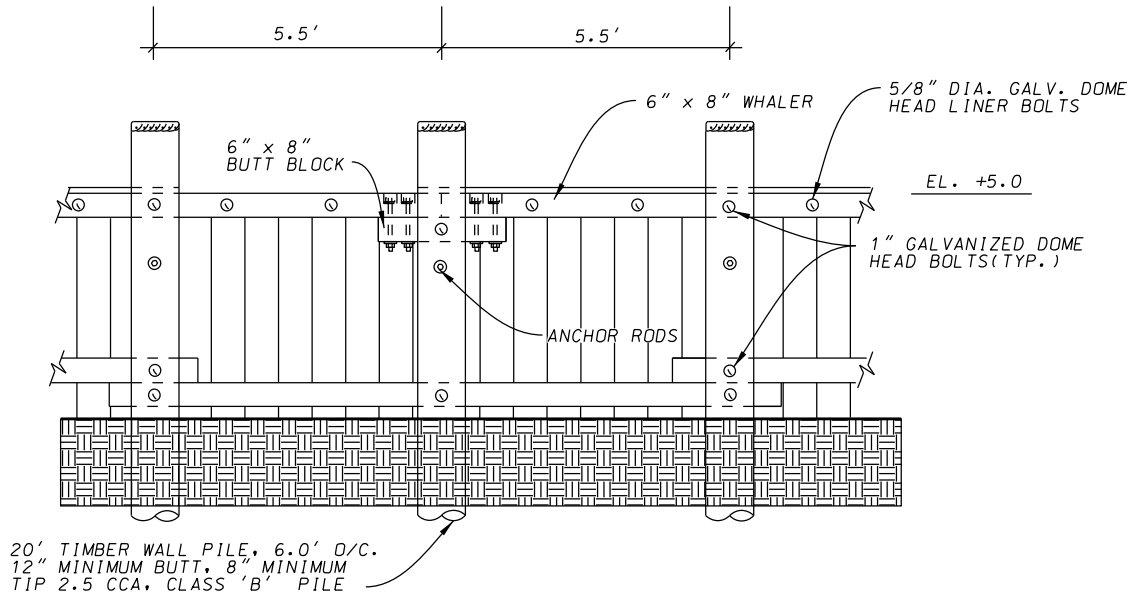
5. Continued:
determine if conditions require design modifications. Waterfront Engineering, Design and Construction, Inc. assume no responsibility or liability for performance of the structure on this drawing.
6. All bolts to be thru bolted and recessed on outboard side. Minimum size of hardware is 1" diameter bolts with 3" x 1/4" NYDD washer and nut.
7. Use 60d spikes for attaching sheeting to wales and 20d nails to attach cap to wales.
8. Use minimum of 16 gauge copper w/2" overlap for wall pile caps.
9. All existing plumbing and electric to be extended through new bulkhead.
10. This is not an engineered or sealed construction detail. This detail is for general permitting purposes only.

NOTE: THE PROPOSED BULKHEAD SHALL BE INSTALLED AT THE BASE OF THE BANK AND NO MORE THEN 18" ENCROACHMENT FOR SHORELINE IRREGULARITIES

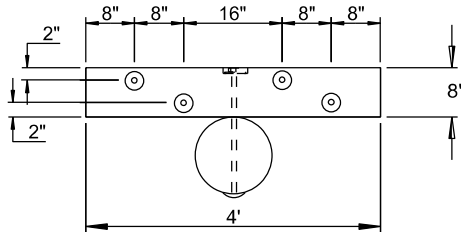


TYPICAL BULKHEAD SECTION (PLATIPUS ANCHORS)

NOT TO SCALE



WALE SPLICE DETAIL



BUTT BLOCK TOP VIEW

TYPICAL BULKHEAD DETAILS

NOT TO SCALE

Tax Account No.:
06-000-08353802
Tax Map: 052G

BULKHEAD
DETAILS (2 OF 2)

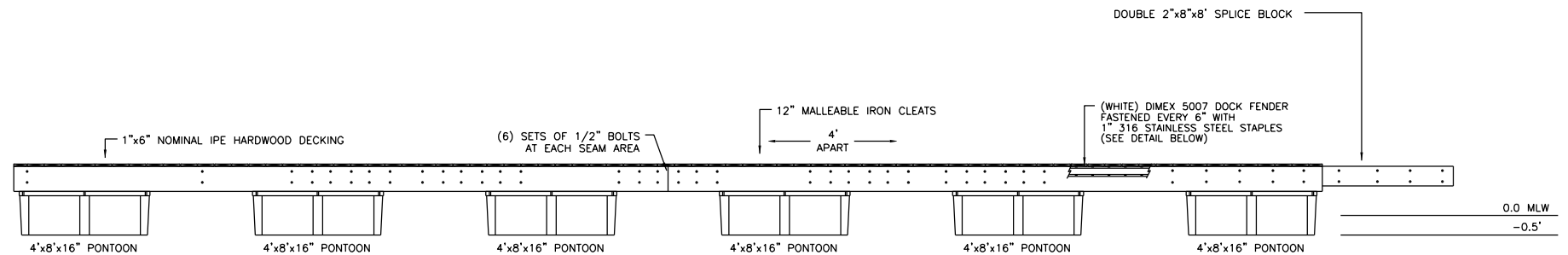
PROPOSED:
Shoreline repairs.

Parcels: 238, 218-219,
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Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

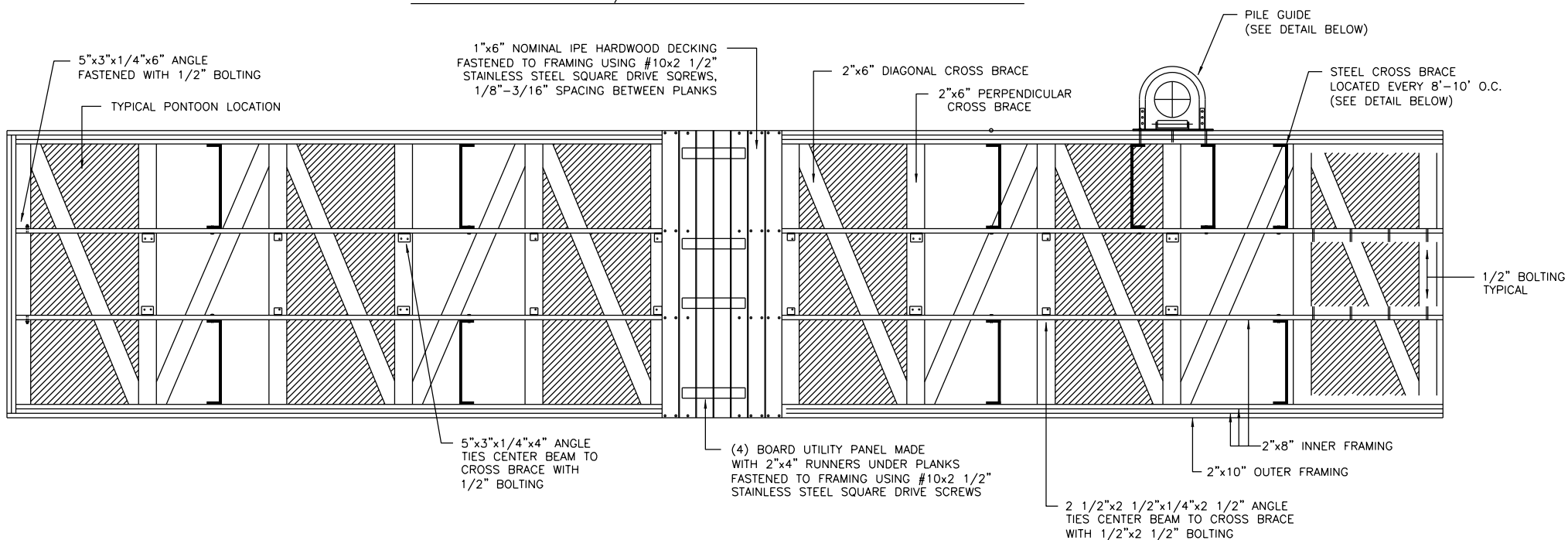
Waterfront Engineering, Design
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8348 Governor Ritchie Hwy.
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(410) 798-1494
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in: Back Creek
co: Anne Arundel
Application by: Jabin
Sheet 17 of 23

State: Maryland
at: Back Creek
Family Real Estate, LLC
Date: June 10, 2021



SIDE ELEVATION/ 8' WIDE DOCK SECTION – NTS



PLAN VIEW/ 8' WIDE DOCK SECTION – NTS

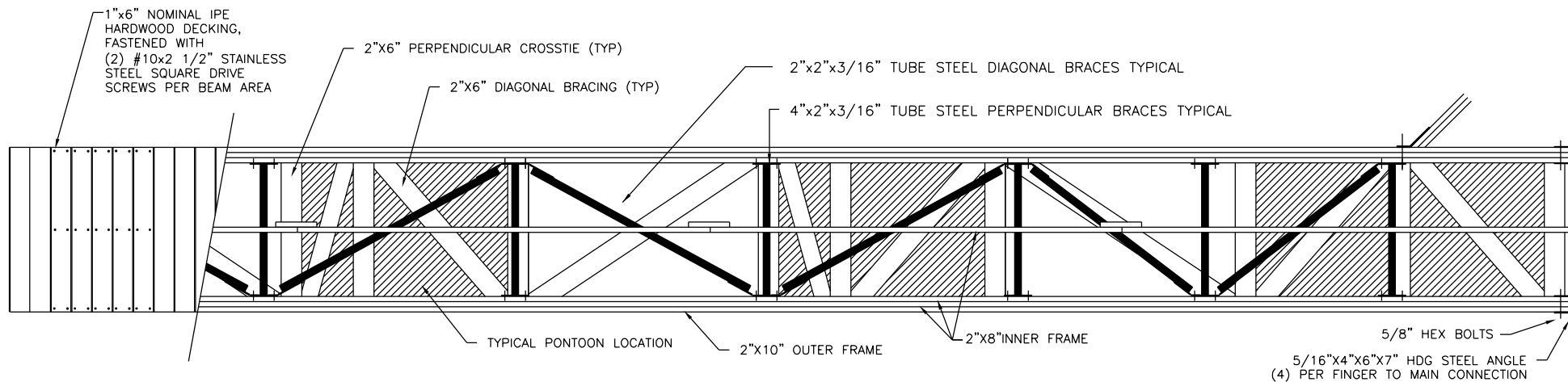
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Deed Ref: 3456/29,
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& 10098/301
Zoning: WMI

FLOATING PIER DETAIL (1 OF 3)

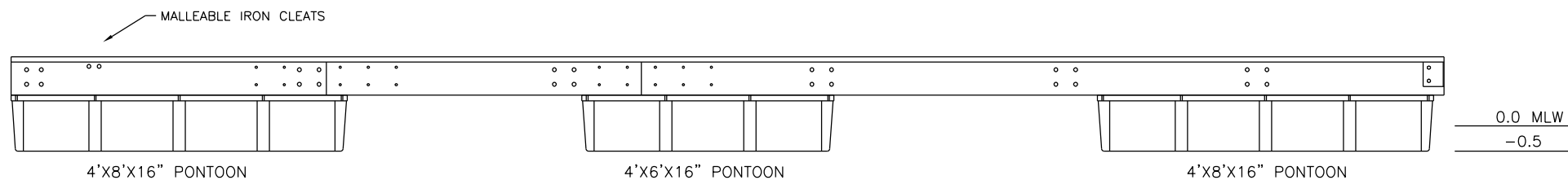
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PROPOSED:
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Application by: Jabin Family Real Estate, LLC
Sheet 18 of 23 Date: June 10, 2021



PLAN VIEW 4' WIDE FINGER DOCK — NTS



SIDE ELEVATION 4' WIDE FINGER DOCK — NTS

-5.0 TO -8.0

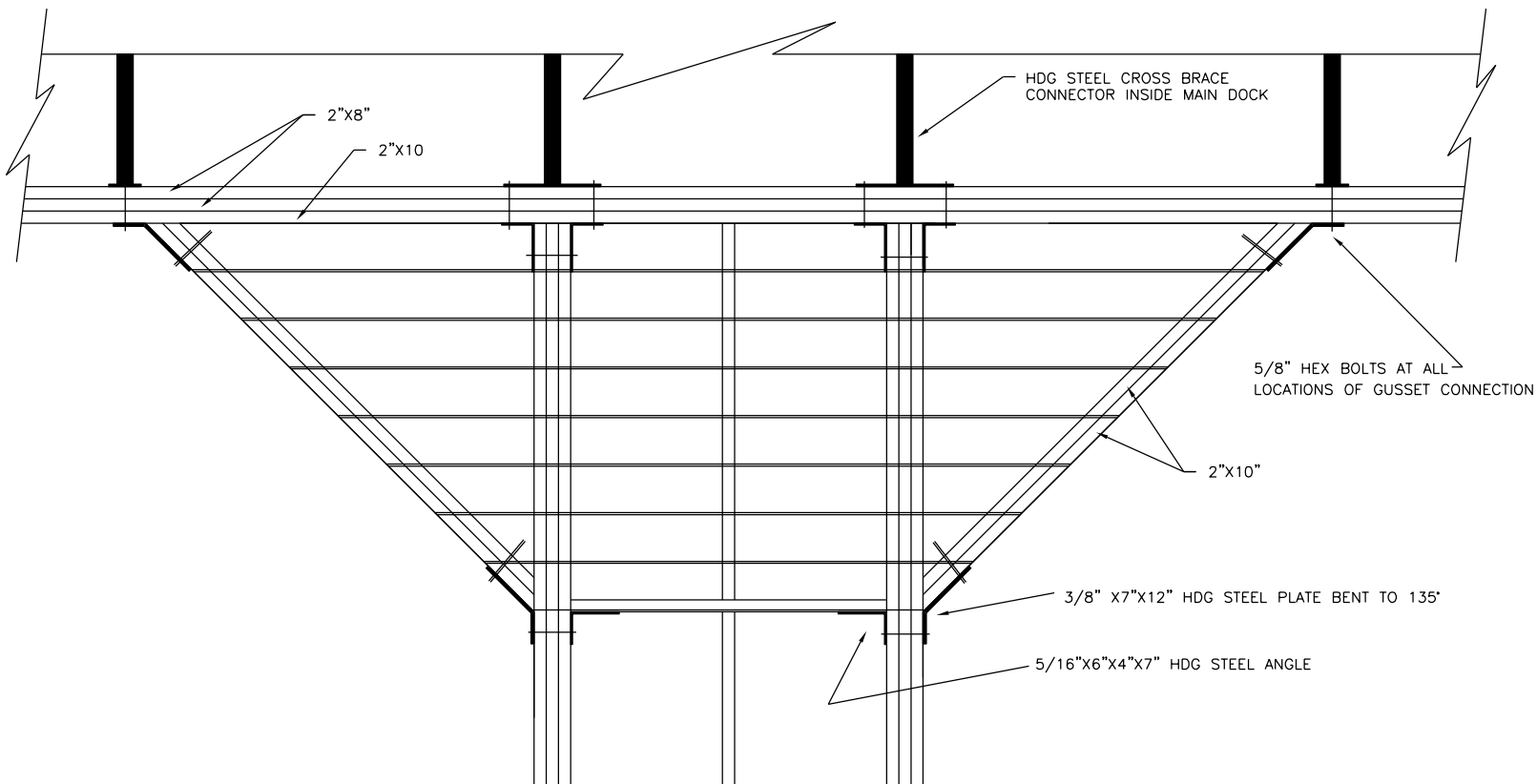
Tax Account No.:
06-000-08353802
Tax Map: 052G
Parcels: 238, 218-219,
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Deed Ref: 3456/29,
8868/172, 9948/488
& 10098/301
Zoning: WMI

FLOATING PIER DETAIL (2 OF 3)

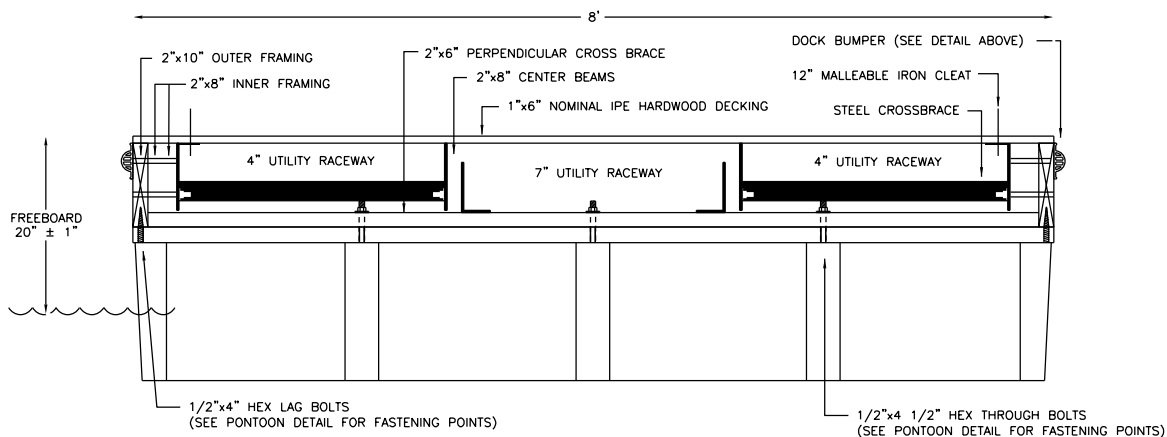
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Application by: Jabin Family Real Estate, LLC
Sheet 19 of 23 Date: June 10, 2021



FINGER & GUSSET CONNECTION DETAIL – NTS



SECTION VIEW/ 8' WIDE DOCK SECTION – NTS

Tax Account No.:
06-000-08353802
Tax Map: 052G
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220-228 & 240-242
Deed Ref: 3456/29,
8868/172, 9948/488
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Zoning: WMI

FLOATING PIER DETAIL (3 OF 3)

Waterfront Engineering, Design
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8348 Governor Ritchie Hwy.
Pasadena, Maryland 21122
(410) 798-1494
waterfrontdesign@verizon.net

PROPOSED:
Shoreline repairs.

in: Back Creek
co: Anne Arundel
Application by: Jabin
Sheet 20 of 23
State: Maryland
at: Back Creek
Family Real Estate, LLC
Date: June 10, 2021



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Zoning: WMI

HARBOR LINE MAP SCALE: 1"=200'

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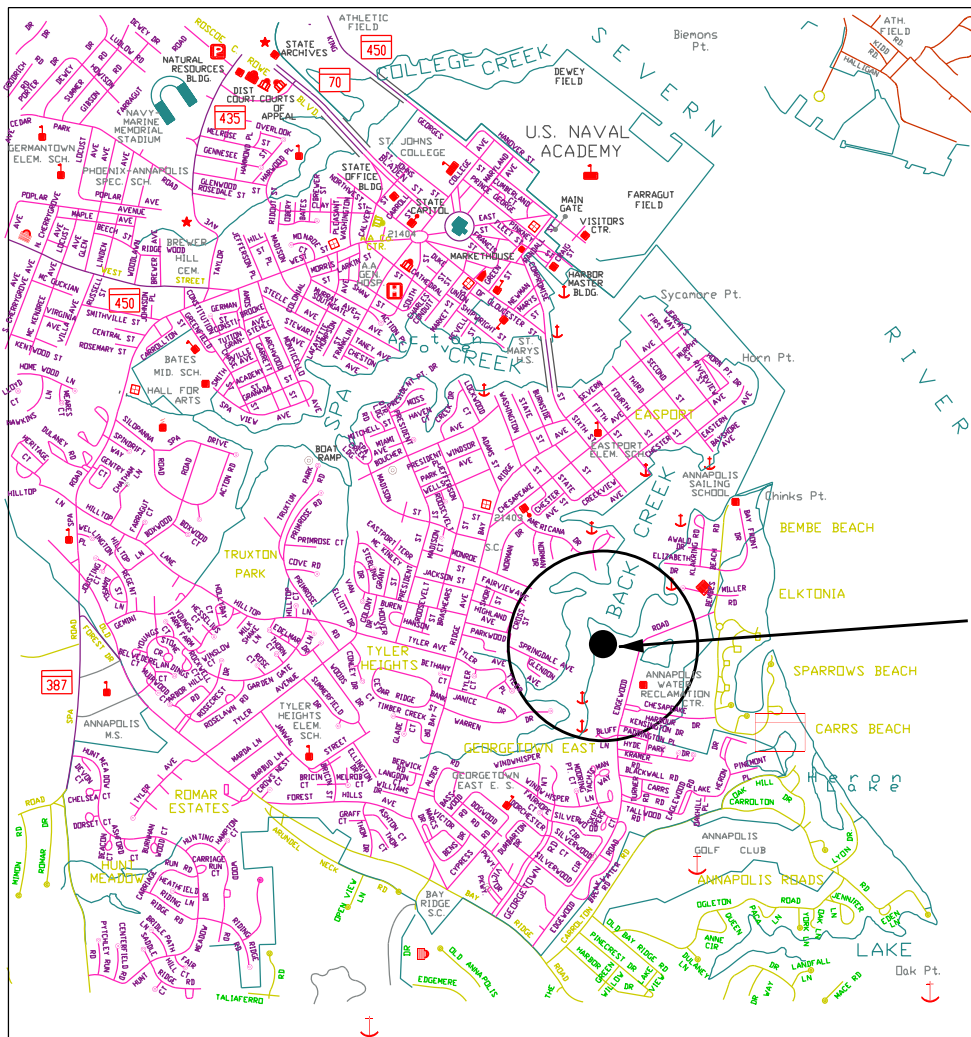
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Application by: Jabin Family Real Estate, LLC
Sheet 21 of 23 Date: June 10, 2021



Tax Account No.:
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Deed Ref: 3456/29,
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& 10098/301
Zoning: WMI

CITY QUAD MAP
SCALE: 1"=200'
Waterfront Engineering, Design
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PROPOSED:
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in: Back Creek
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Application by: Jabin
Sheet 22 of 23
State: Maryland
at: Back Creek
Family Real Estate, LLC
Date: June 10, 2021



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VICINITY MAP SHEET
SCALE: 1"=2000'

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co: Anne Arundel at: Back Creek
Application by: Jabin Family RealEstate, LLC
Sheet 23 of 23 Date: June 10, 2021