

NOTE:
EXISTING DATA SHOWN WAS SURVEYED BY CHARLES P. JOHNSON &
ASSOCIATES. THE FIELDWORK FOR THIS SURVEY WAS STARTED ON APRIL
14, 2021, WITH THE LAST DATE OF FIELDWORK BEING APRIL 27, 2021.

EXISTING CONDITIONS - DETAIL
SCALE: 1"=40'

FOR PERMIT USE ONLY



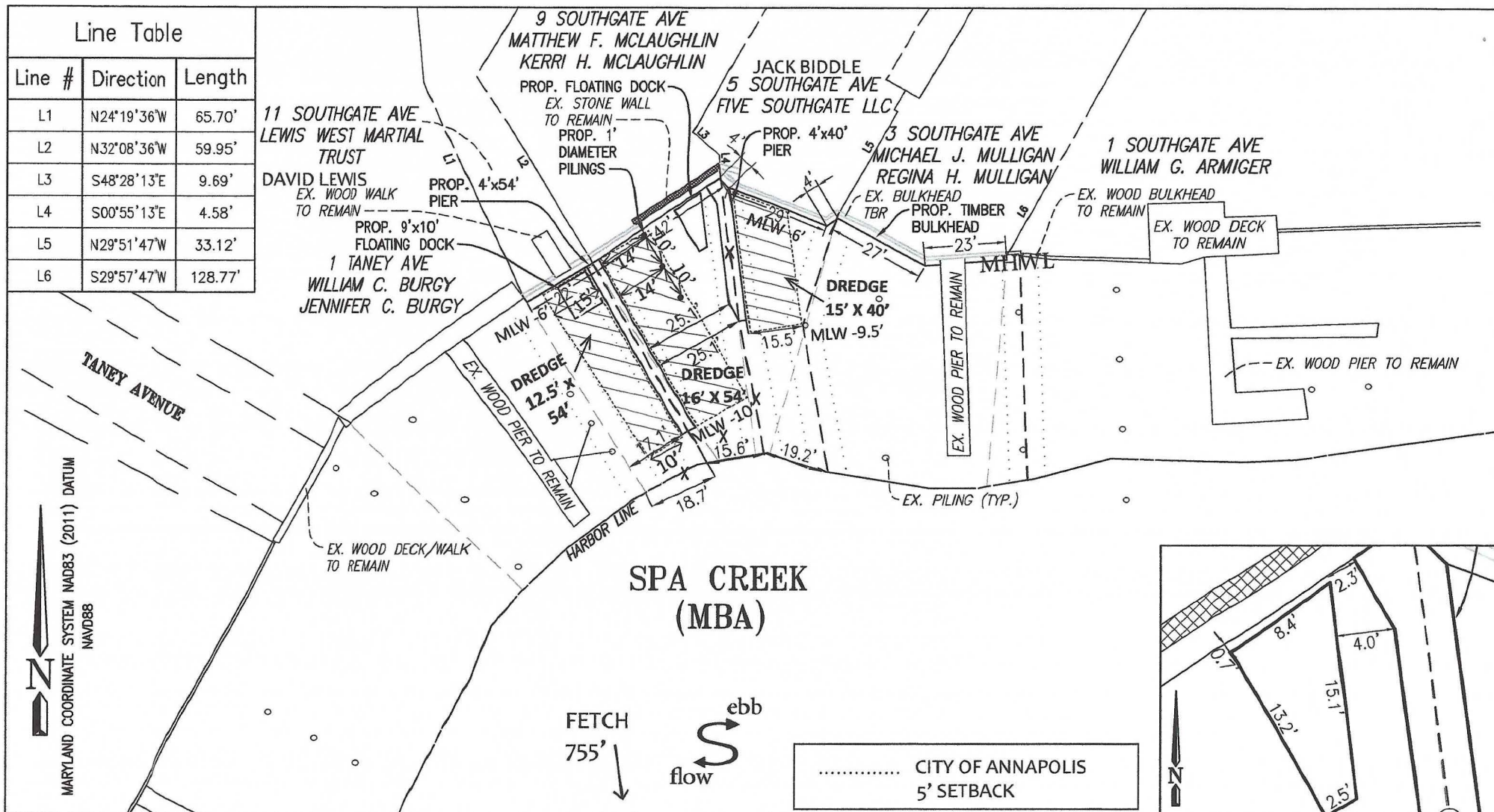
1160 Indian Landing Road
Millersville, MD 21108
renee.norris@comcast.net

OWNER:

Matt McLaughlin
9 Southgate Ave
Annapolis, MD 21401
Spa Creek/City of Annapolis
REVISED 3/29/2023

PROPOSED CONSTRUCTION:

Install three pilings.
Install 42' timber bulkhead 18" channelward of ex timber and stone bulkhead
@ 9 Southgate Ave. Dredge cove @ 9 Southgate Ave: approx 864 SF/96 cu. yds.
Install 8.4' x 15.1' x 2.5' x 13.2' floating dock @ 9 Southgate Ave.



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PROPOSED LAYOUT
 SCALE: 1"=40'
 DREDGING DETAILS

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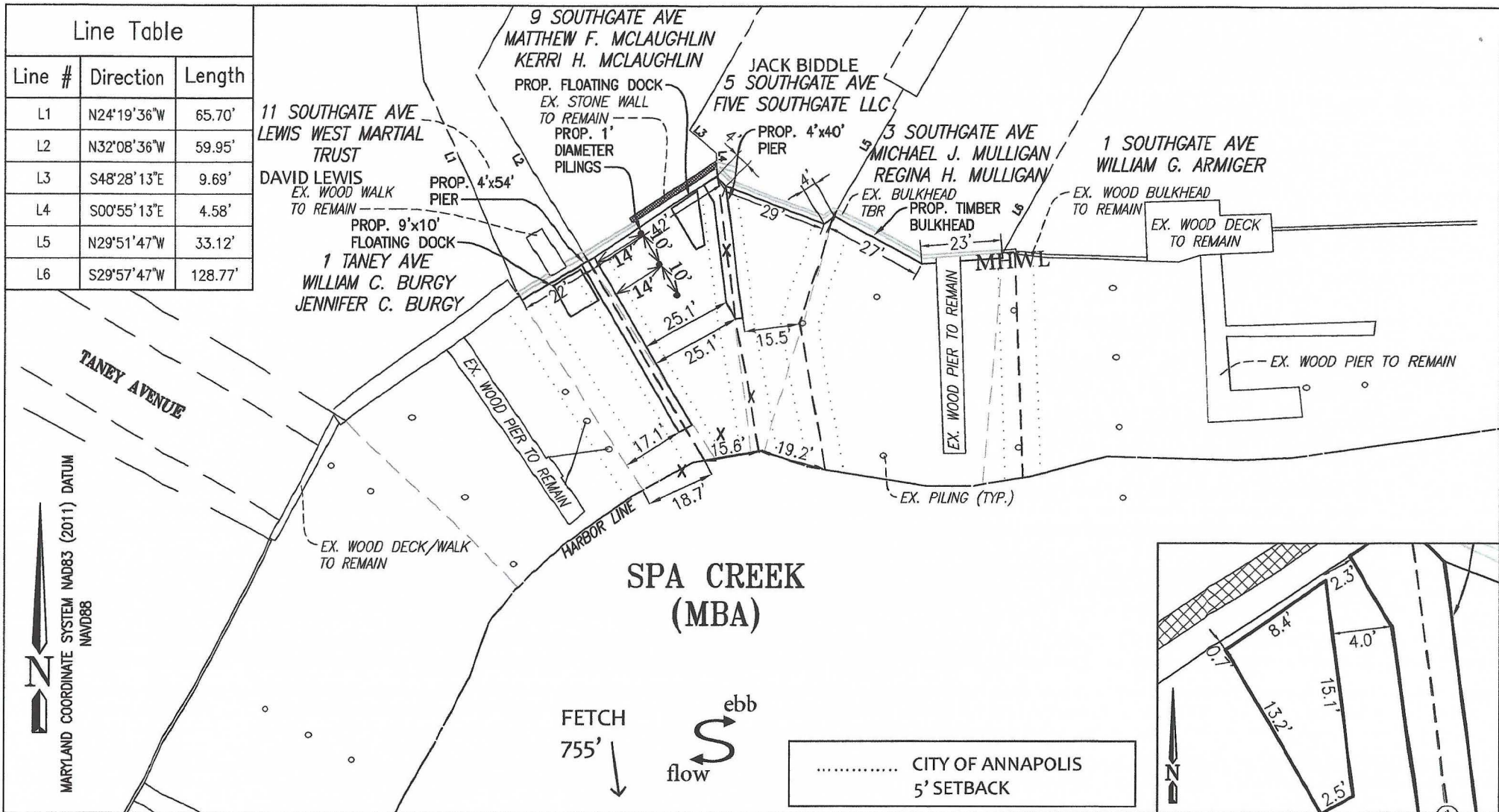
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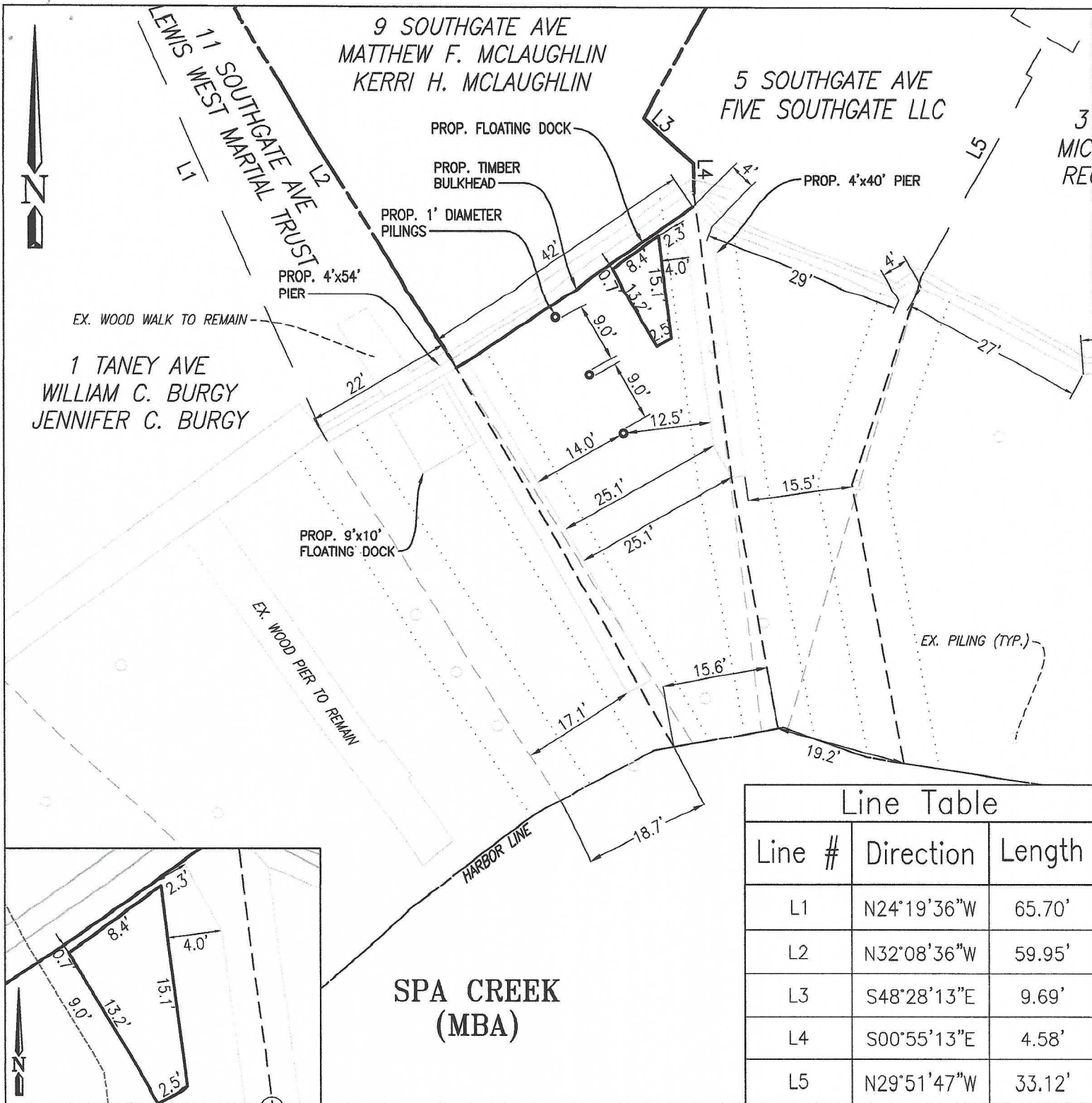
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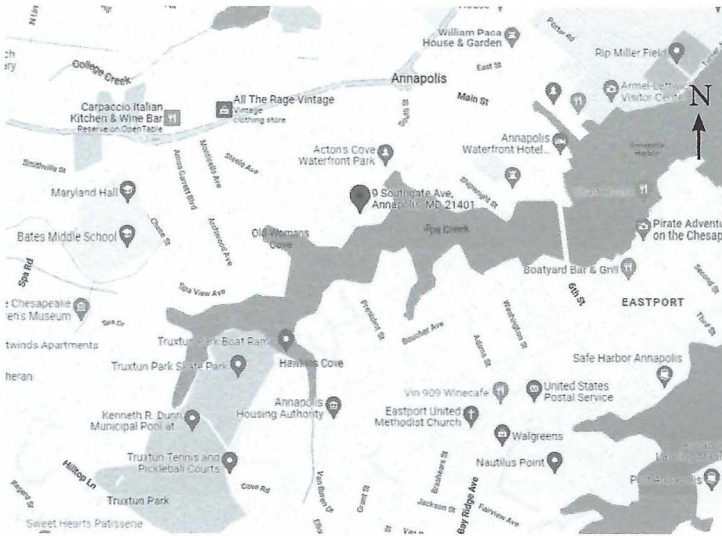
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Vicinity Map and Aerial Photo



SCALE 1" = 1,000'

PROPERTY OWNERS WITHIN 175'

Richard Garrity
2 Taney Ave.
Annapolis, MD 21401
21401

William Burgy
1 Taney Ave.
Annapolis, MD 21401

William Armiger
1 Southgate Ave.
Annapolis, MD 21401

Sadrina McNew
7 Southgate Ave.
Annapolis, MD

Five Southgate, LLC
Jack Biddle
5 Southgate Ave.
Annapolis, MD 21401

Matt McLaughlin
9 Southgate Ave.
Annapolis, MD 21401

Lewis West Marital Trust
David Lewis
11 Southgate Ave.
Annapolis, MD 21401

Michael Mulligan
3 Southgate Ave.
Annapolis, MD 21401

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 **RKN**
Marine Permits & Services
1160 Indian Landing Road
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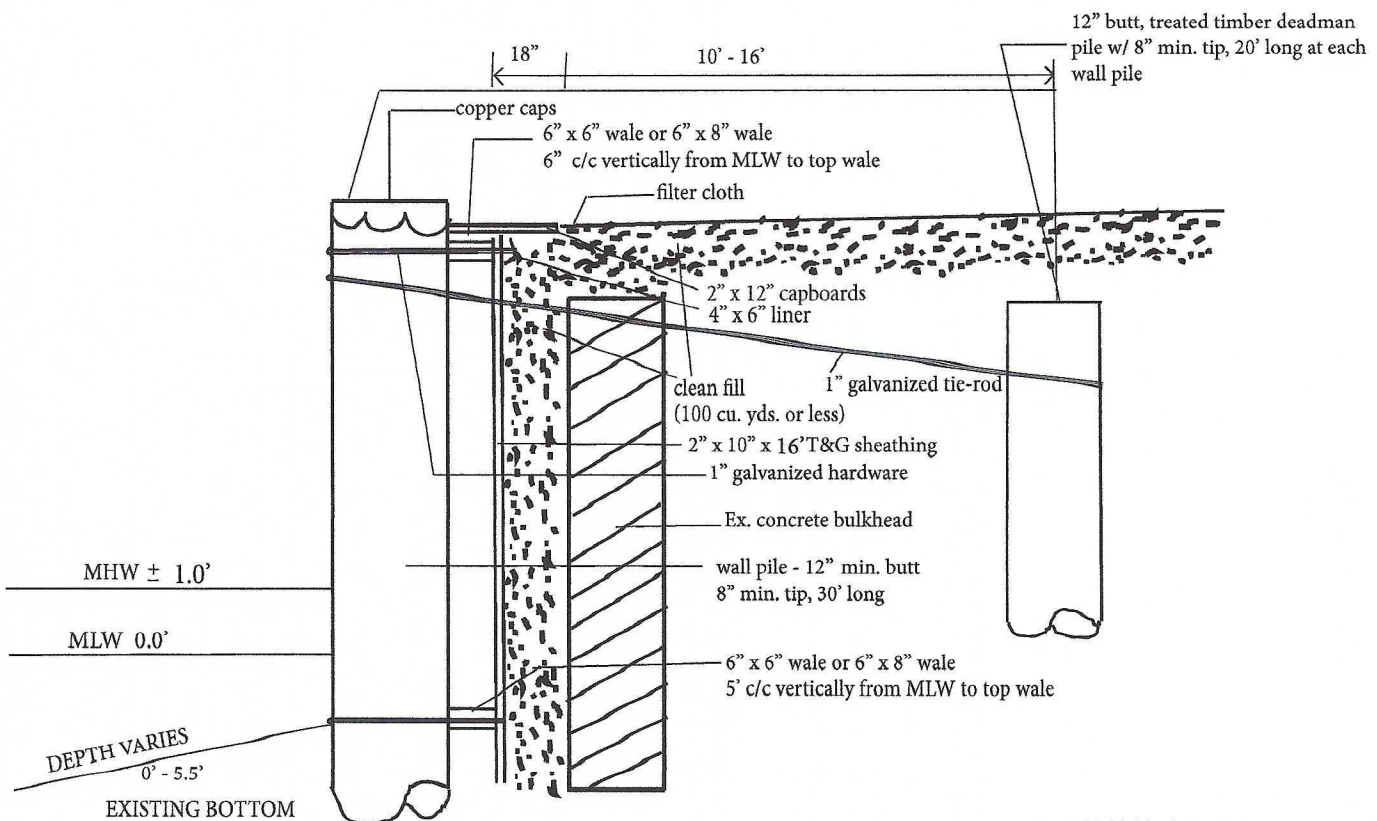
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Timber Bulkhead Cross - Section Construction Plans

With Existing Timber Bulkhead-Light Duty

NOTES:

1. Wood shall be grade *2 or better per AWPA standards.
 - (1) Piles - 1.5 lb/cu. ft. CCA Type C is required.
 - (2) Wales, cap-boards, and sheathing - 1.5 lb/cu. ft. CCA is required.
2. All steel hardware shall be hot dip galvanized after fabrication and must be specified for marine use.
3. All piles must be a minimum length of 30' with 12" Butt piles with 8" minimum tip and must be located 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.
5. 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.
6. Use 60d nails for attaching sheathing to wales and 20d nails to attach cap to wales.
7. Use copper pile caps.
8. The details on this drawing are to be considered as minimum standards for specific conditions. It shall be the responsibility of the applicant to determine if conditions require design modifications. RKN Marine Permits & Services assumes no responsibility or liability for performance of the structure on this drawing.



NOT TO SCALE

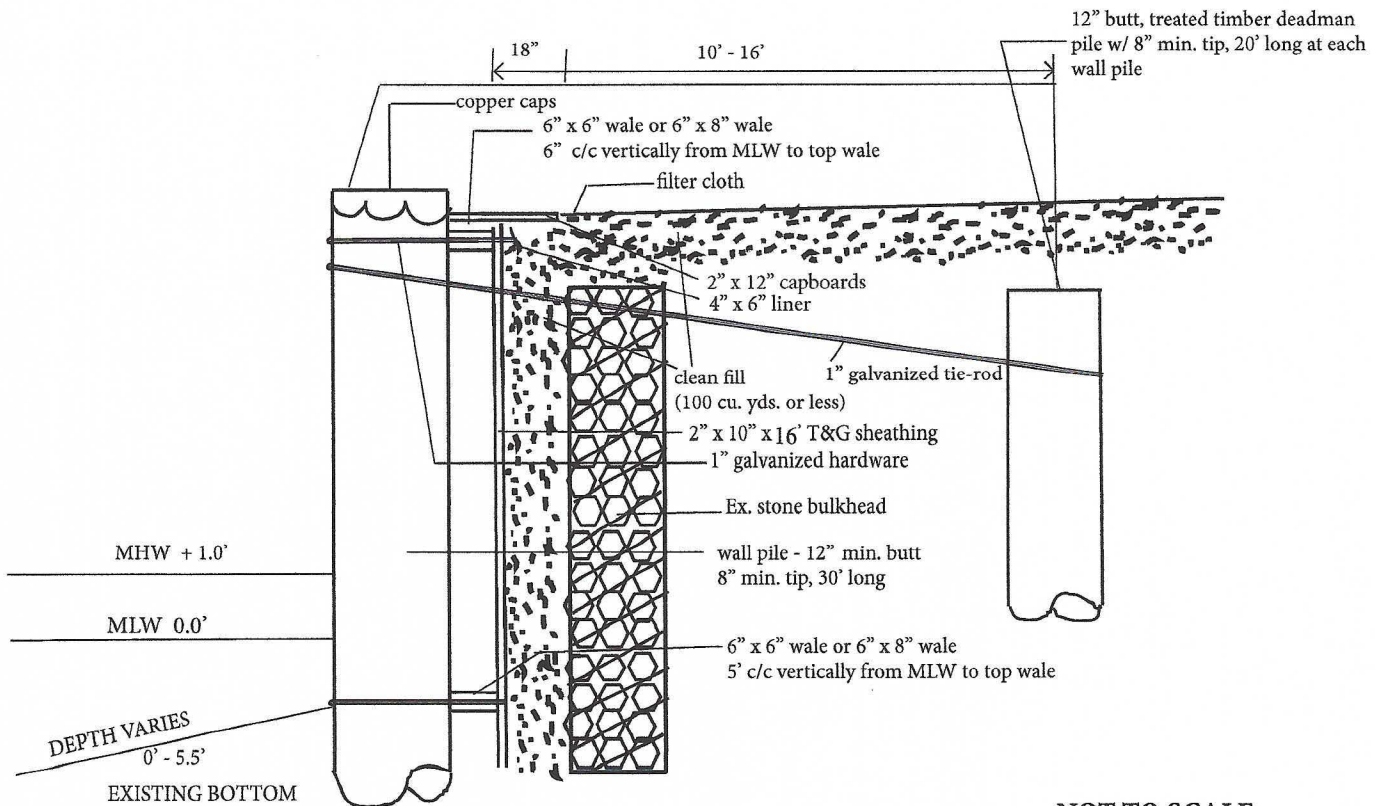
Construction Plan property of RKN Marine Permits & Services.

For sites in the City of Annapolis: Notify the Department of Planning and Zoning (410-263-7946) and the Department of Public Works (410-263-7949) 48 hours before commencing work. Work may not commence until the permittee of the responsible personnel have met on site with the sediment and erosion control inspector to review the approved plans.

Timber Bulkhead Cross - Section Construction Plans With Existing Stone Wall

NOTES:

- Wood shall be grade #2 or better per AWPA standards.
 - (1) Piles - 1.5 lb/cu. ft. CCA Type C is required.
 - (2) Wales, cap-boards, and sheathing - 1.5 lb/cu. ft. CCA is required.
- All steel hardware shall be hot dip galvanized after fabrication and must be specified for marine use.
- All piles must be a minimum length of 30' with 12" Butt piles with 8" minimum tip and must be located 5' O/C.
- 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.
- 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.
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- Use copper pile caps.
- The details on this drawing are to be considered as minimum standards for specific conditions. It shall be the responsibility of the applicant to determine if conditions require design modifications. RKN Marine Permits & Services assumes no responsibility or liability for performance of the structure on this drawing.



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Construction Plan property of RKN Marine Permits & Services.

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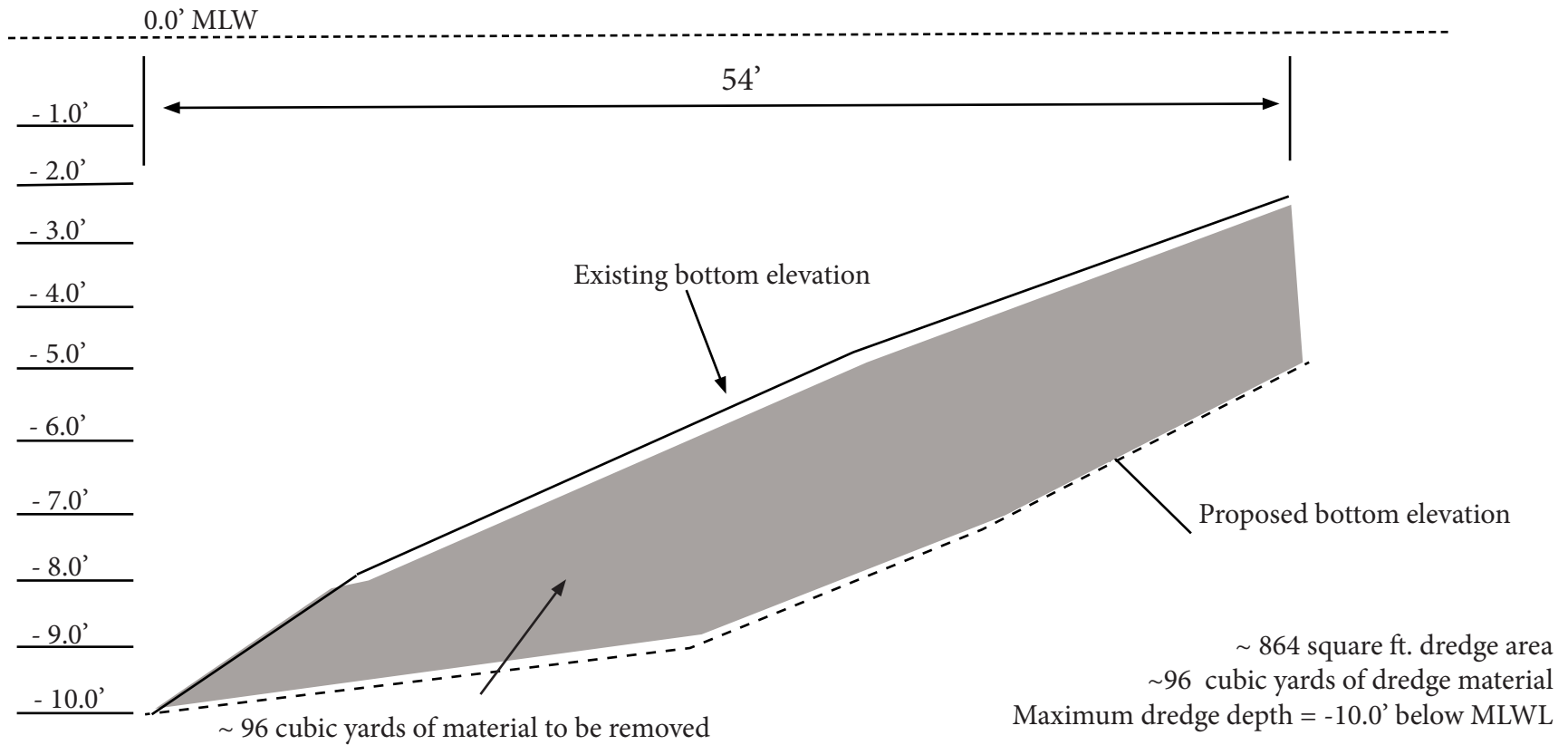
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DREDGING CROSS-SECTION



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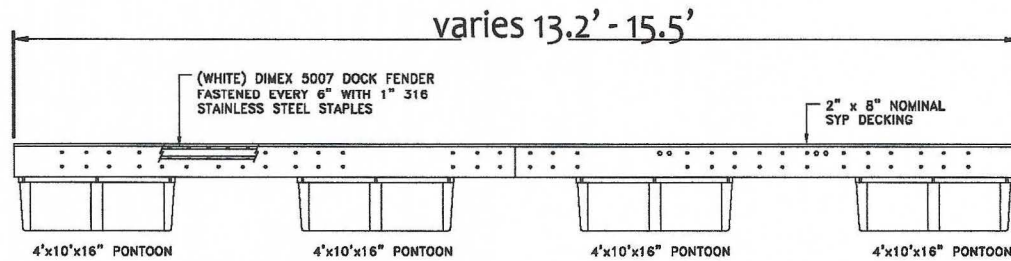
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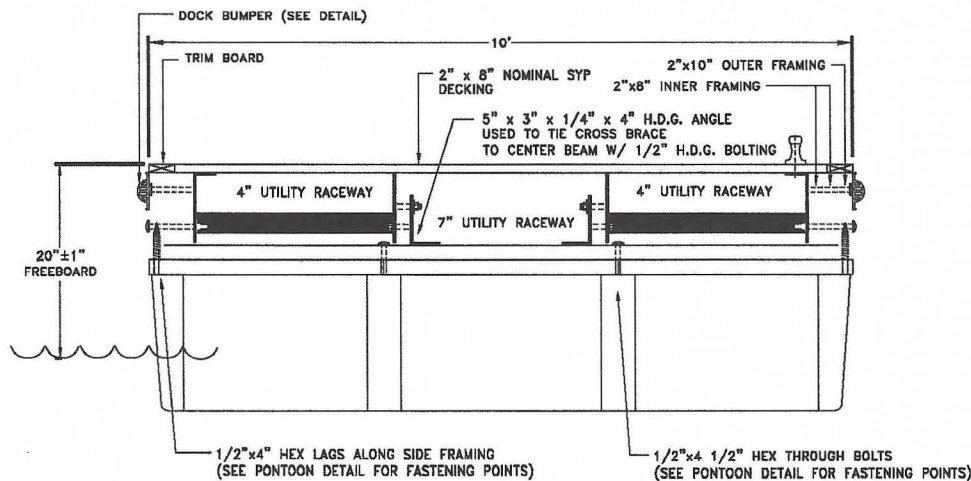
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FLOATING DOCK/PIER CONSTRUCTION PLAN



SIDE ELEVATION OF PIER



SECTION VIEW OF 10' PIER

Floating dock dimensions: 8.4' x 15.1' x 2.5' x 13.2'

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