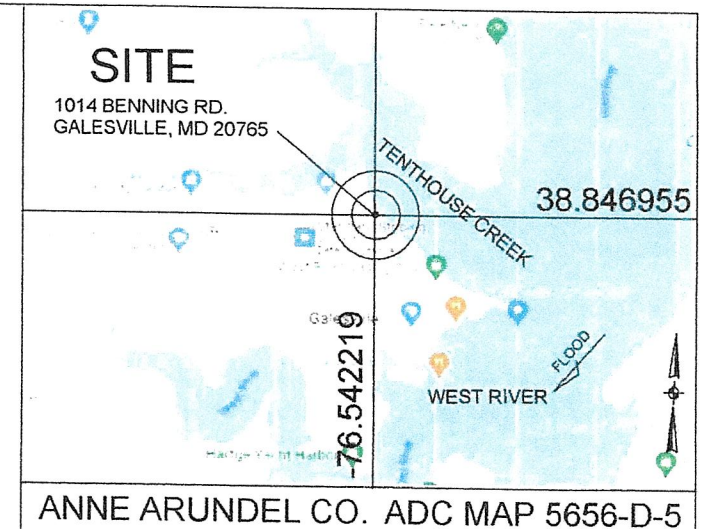
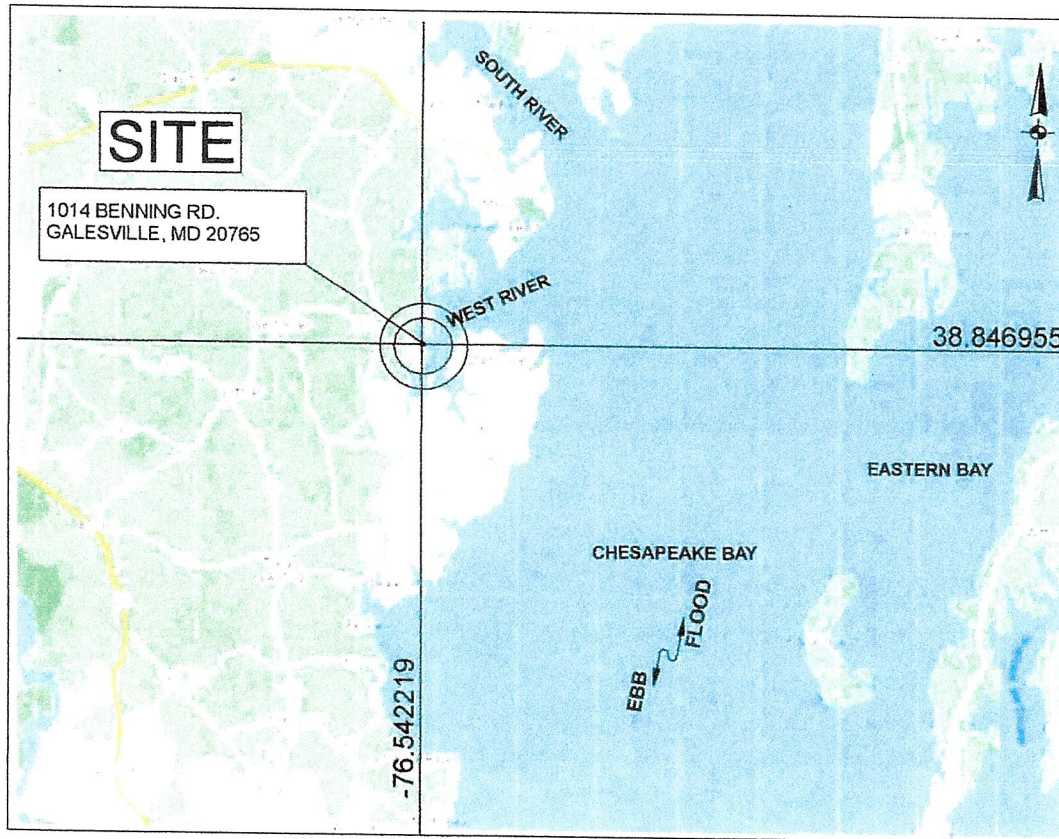


Disclaimer:

The information shown hereon was taken from several sources including Google Earth aerial photos, Maryland Maps, photographs, tax maps and a site sketch. These sources are the best available information for marine permitting purposes. This is not a detailed on-site property survey. The owner is not responsible for any inaccuracies associated with the location of above referenced existing features and related lateral lines, setbacks, etc. this sketch is for permit purposes only and is not to be used as an accurate construction document.



**EDWIN A. & JOHN O.
CRANDELL, INC.**

INCORPORATED 1942
MARLB No. 811EJ / MHC No. 2468
www.eajocrandell.com

1. TIDAL WATERS, TIDE RANGE IS +1.0', MAX. DIST. FROM MHW IS 380'
2. ELEVATIONS BASED ON 0 MLW AND A DNR BOTTOM SURVEY PERFORMED ON 5/11/2023.
3. PROPOSED WORK: FOR A FULL WORK DESCRIPTION SEE SHEET 3.
4. ALL ACCESS IS BY WATER.
5. THIS DRAWING IS FOR OUTLINE PURPOSES ONLY.

**REPLACE 2- COMMERCIAL PIERS
"IN-KIND", FINGER PIERS, MOORING
PILES AND INSTALL 2 PIER
EXTENSIONS**

**Doldon W. Moore &
Associates, LLC**
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Email: dwmooorej@verizon.net
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Project Management, Aquaculture,
Habitat Restoration, Expert Testimony

OWNER : EDWIN A & JOHN O. CRANDELL, INC.

MAILING ADDRESS: 733 CRANDELL RD.
WEST RIVER, MD 20778

SITE ADDRESS: 1014 BENNING RD.
GALESVILLE, MD 20765

MAP: 69 GRID: 2 PARCEL: 407 1.948 ACRES

DEED REFERENCE: 03014 / 00643

DISTRICT - 01 ACCOUNT NUMBER - 00539002

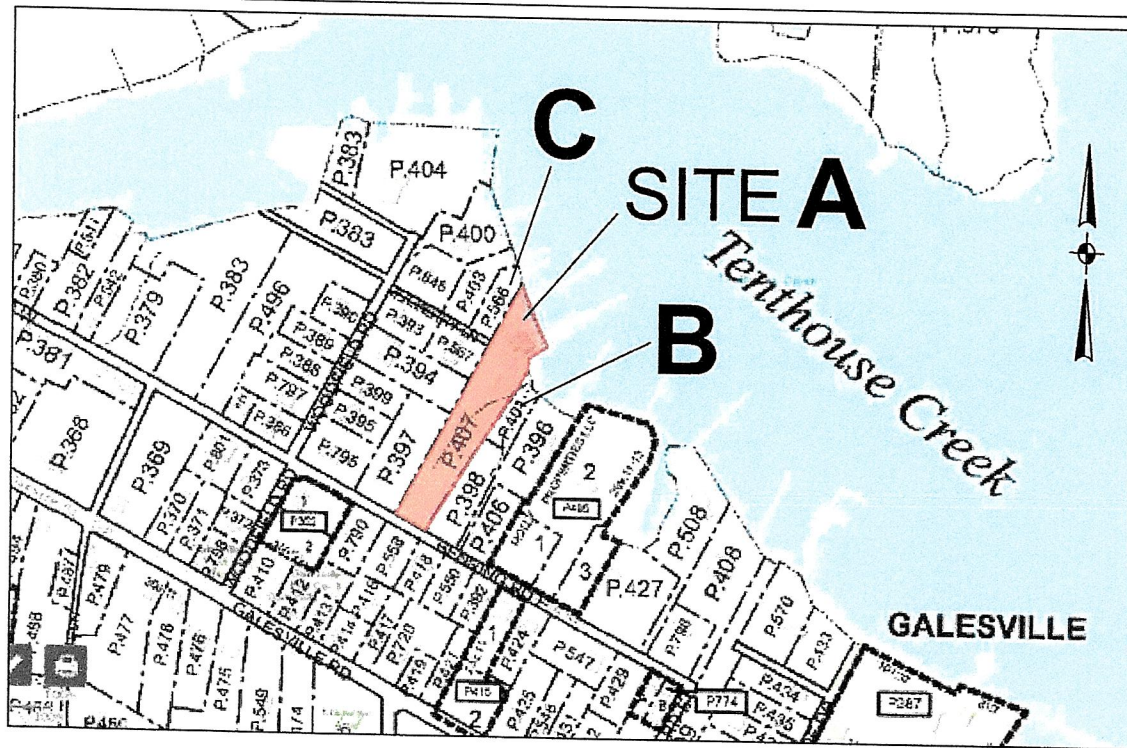
ZONING: W2 CRITICAL AREA - LDA

VICINITY MAPS

IN: TENTHOUSE CREEK
TOWN: GALESVILLE
COUNTY: ANNE ARUNDEL
STATE: MARYLAND
APPL. BY: EDWIN A. & JOHN O.
CRANDELL, INC.
722 CRANDELL RD.
WEST RIVER, MD 20778

DATE: JUNE, 2023

DRAWING 1



A APPLICANT : PARCEL 407
EDWIN A. & JOHN O. CRANDELL, INC.
733 CRANDELL RD.
WEST RIVER, MD 20778

B PARCEL 401
LAYO BENNING ET AL
5520 DEALE CHURCHTON RD.
CHURCHTON, MD 20733

C PARCEL 566
LOIS BIRD TRUSTEE
PO BOX 345
GALESVILLE, MD 20765

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ZONING: W2 CRITICAL AREA - LDA

TAX MAP

IN: TENTHOUSE CREEK
TOWN: GALESVILLE
COUNTY: ANNE ARUNDEL
STATE: MARYLAND
APPL. BY: EDWIN A. & JOHN O.
CRANDELL, INC.
722 CRANDELL RD.
WEST RIVER, MD 20778

DATE: JUNE, 2023

DRAWING 2

DEMOLITION:

1. REMOVE AN EXISTING WOOD PIER 6' WIDE X 253' LONG. REMOVE 3- TAPERED FINGER PIERS 3' X 14'. REMOVE 12 MOORING PILES.
2. REMOVE AN EXISTING INDUSTRIAL WORK PIER 23' WIDE X 88' LONG. REMOVE AN EXISTING WOOD PIER 6' WIDE X 171' LONG. TOTAL FROM THE MHWL IS 259'.

PROPOSED WORK

1. REPLACE THE EXISTING NORTH PIER "IN KIND" 6' WIDE X 253' LONG. REPLACE "IN KIND" 3 EXISTING TAPERED FINGER PIERS EACH IS 3' X 14'. REPLACE "IN KIND" 12 EXISTING MOORING PILES. INSTALL A PIER EXTENSION 6' WIDE X 125' LONG FOR A TOTAL LENGTH OF 380'.
2. REPLACE THE EXISTING SOUTH PIER "IN KIND" REPLACE THE EXISTING INDUSTRIAL WORK PIER 23' WIDE X 88' LONG. REPLACE THE EXISTING WOOD PIER "IN KIND" 6' WIDE X 171' LONG. INSTALL A PIER EXTENSION 6' WIDE X 121' LONG, MAKING A TOTAL LENGTH OF 380'.

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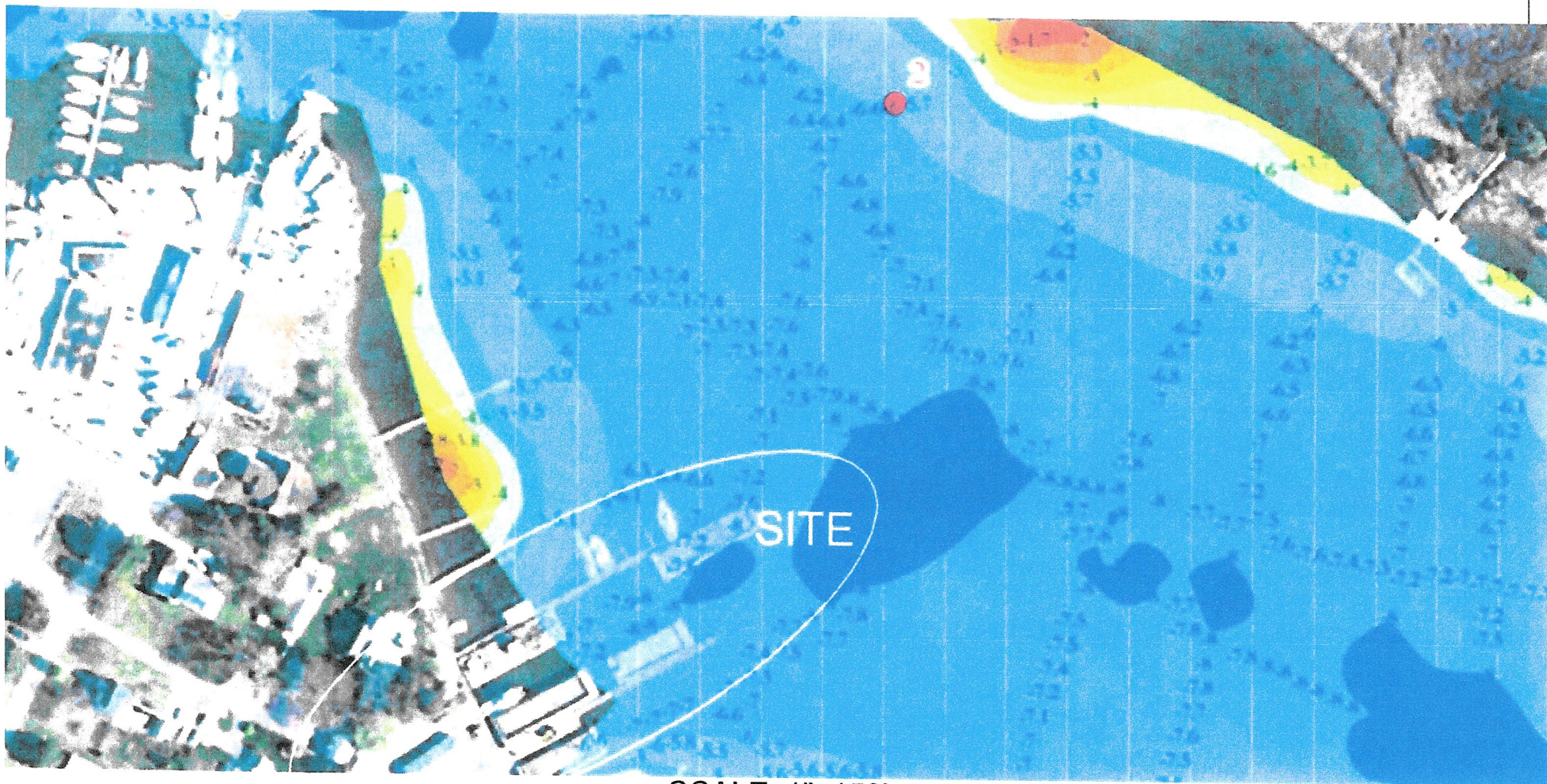
ZONING: W2 CRITICAL AREA - LDA

PROPOSED WORK DESCRIPTION

IN: TENTHOUSE CREEK
TOWN: GALESVILLE
COUNTY: ANNE ARUNDEL
STATE: MARYLAND
APPL. BY: EDWIN A. & JOHN O.
CRANDELL, INC.
722 CRANDELL RD.
WEST RIVER, MD 20778

DATE: JUNE, 2023

DRAWING 3



SCALE: 1"=150'

0 150' 300' 450'

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DEED REFERENCE: 03014 / 00643

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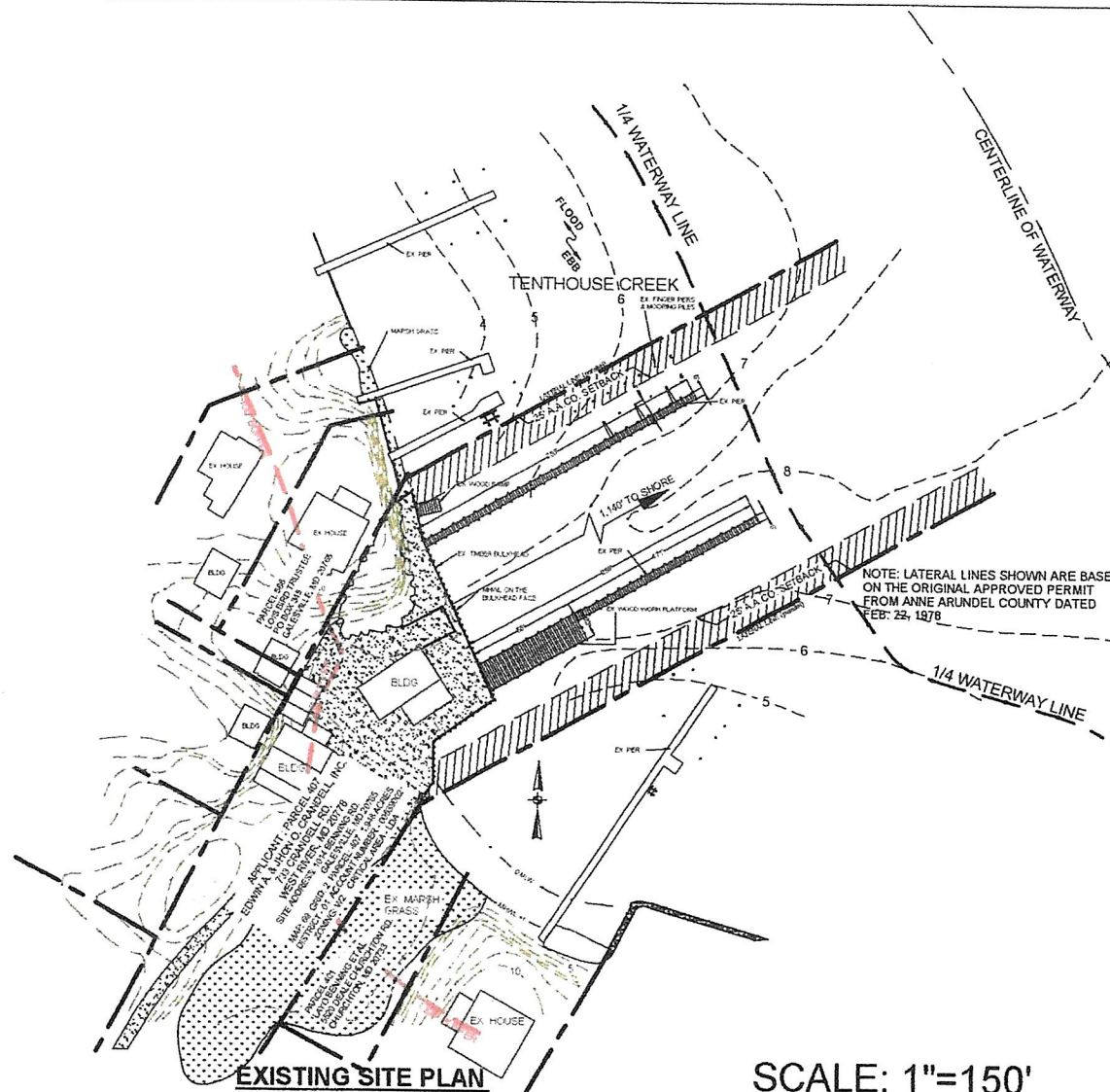
ZONING: W2 CRITICAL AREA - LDA

DNR DEPTH SURVEY OF TENTHOUSE CREEK 5/11/2023

IN: TENTHOUSE CREEK
 TOWN: GALESVILLE
 COUNTY: ANNE ARUNDEL
 STATE: MARYLAND
 APPL. BY: EDWIN A. & JOHN O.
 CRANDELL, INC.
 722 CRANDELL RD.
 WEST RIVER, MD 20778

DATE: JUNE, 2023

DRAWING 4



SCALE: 1"=150'
0 150' 300' 450'

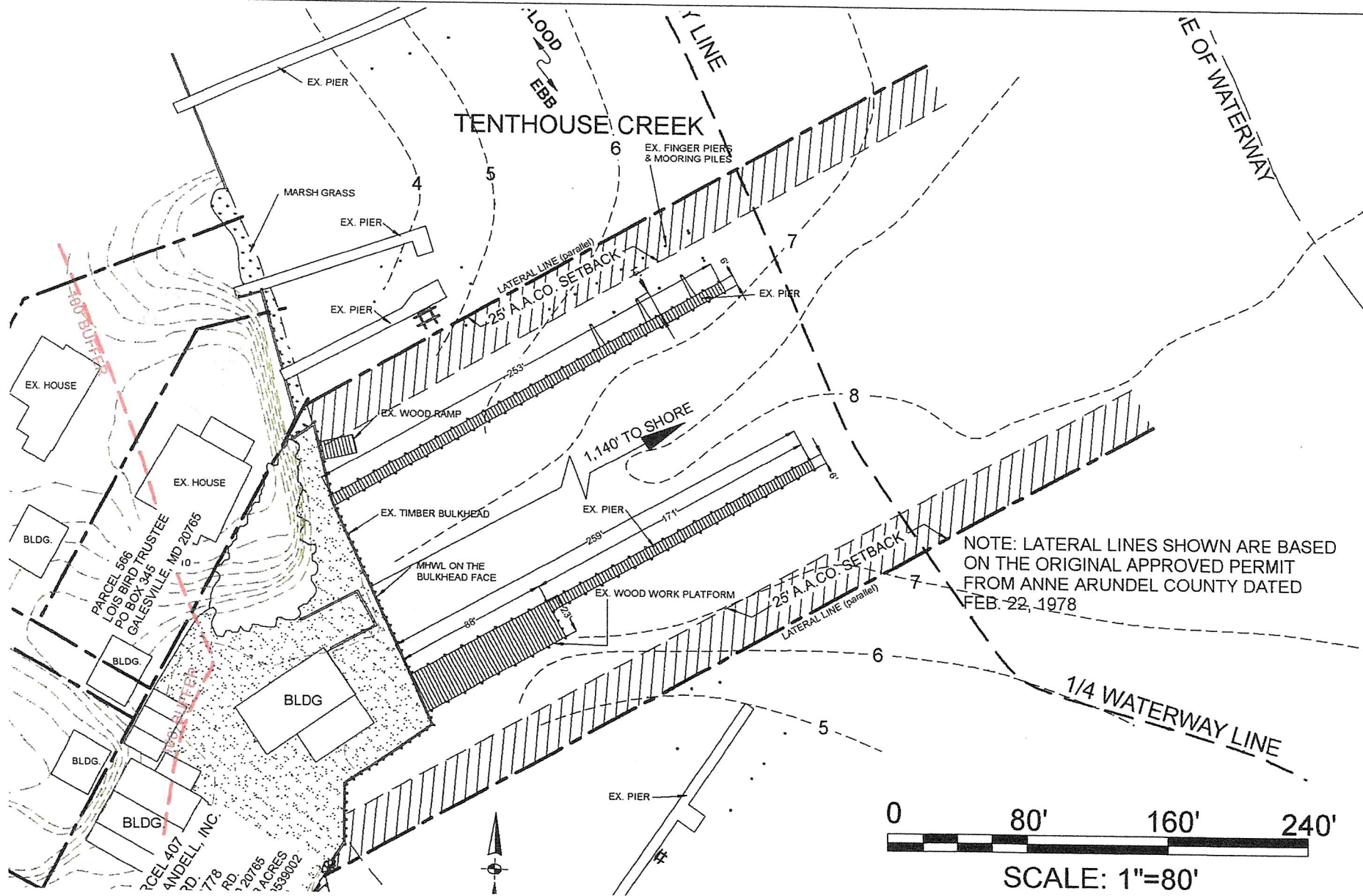
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GALESVILLE, MD 20765
MAP: 69 GRID: 2 PARCEL: 407 1.948 ACRES
DEED REFERENCE: 03014 / 00643
DISTRICT - 01 ACCOUNT NUMBER - 00539002
ZONING: W2 CRITICAL AREA - LDA

EXISTING SITE PLAN

IN: TENTHOUSE CREEK
TOWN: GALESVILLE
COUNTY: ANNE ARUNDEL
STATE: MARYLAND
APPL. BY: EDWIN A. & JOHN O. CRANDELL, INC.
722 CRANDELL RD.
WEST RIVER, MD 20778

DATE: JUNE, 2023 DRAWING 5



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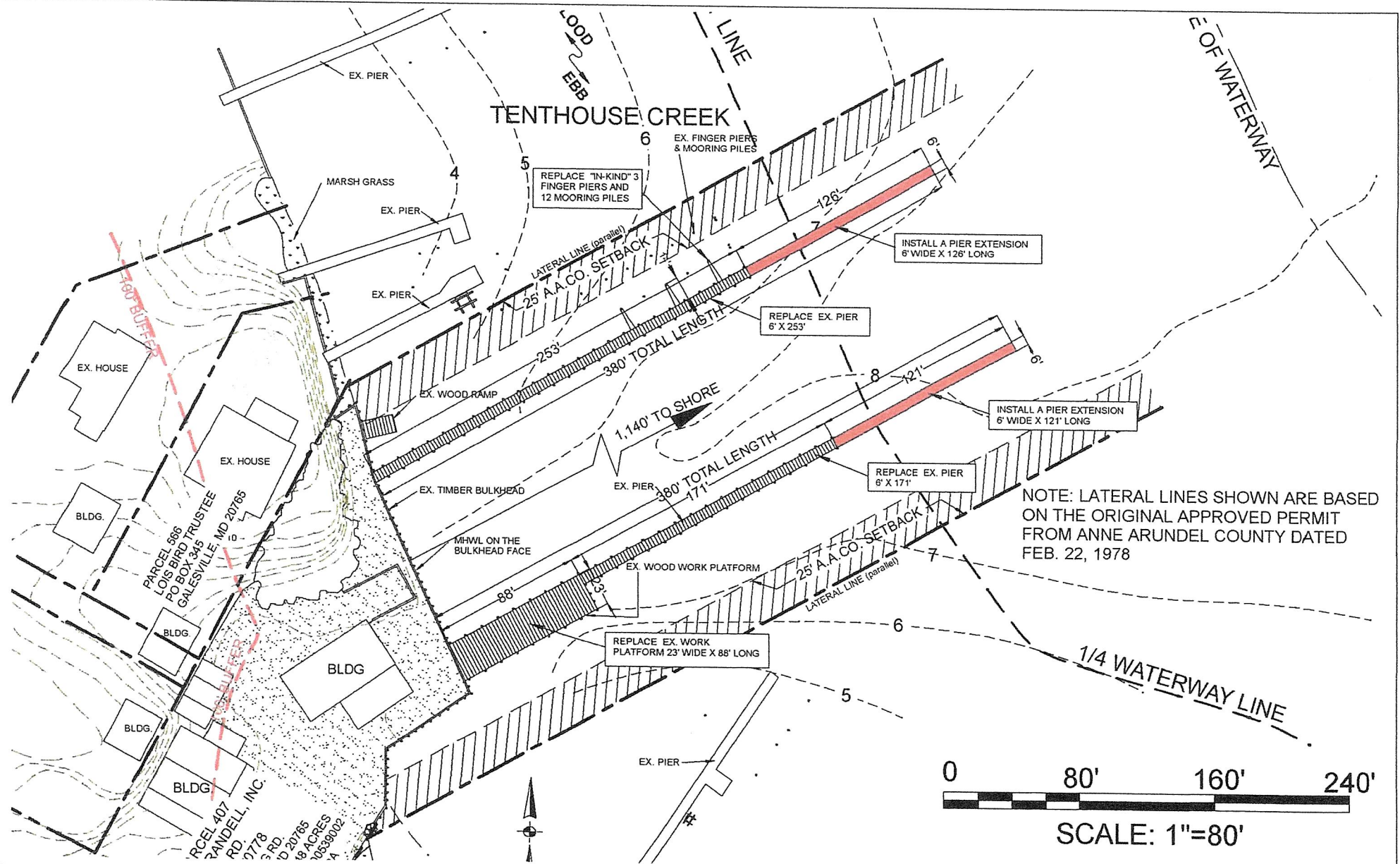
OWNER : EDWIN A & JOHN O. CRANDELL, INC.
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 WEST RIVER, MD 20778
 SITE ADDRESS: 1014 BENNING RD.
 GALESVILLE, MD 20765
 MAP: 69 GRID: 2 PARCEL: 407 1.948 ACRES
 DEED REFERENCE: 03014 / 00643
 DISTRICT - 01 ACCOUNT NUMBER - 00539002
 ZONING: W2 CRITICAL AREA - LDA

EXISTING SITE ZOOMED IN

IN: TENTHOUSE CREEK
 TOWN: GALESVILLE
 COUNTY: ANNE ARUNDEL
 STATE: MARYLAND
 APPL. BY: EDWIN A. & JOHN O. CRANDELL, INC.
 722 CRANDELL RD.
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DRAWING 6



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MAP: 69 GRID: 2 PARCEL: 407 1.948 ACRES

DEED REFERENCE: 03014 / 00643

DISTRICT - 01 ACCOUNT NUMBER - 00539002

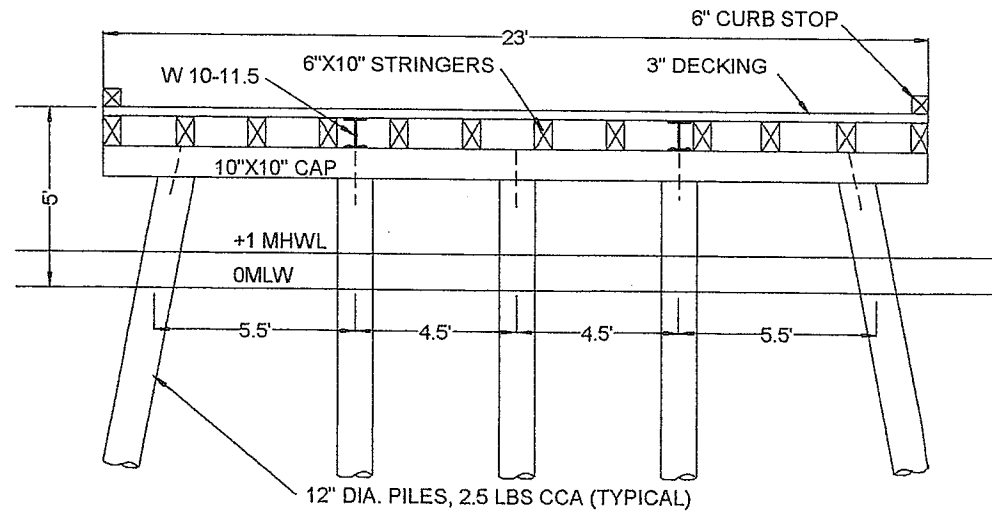
ZONING: W2 CRITICAL AREA - LDA

PROPOSED WORK

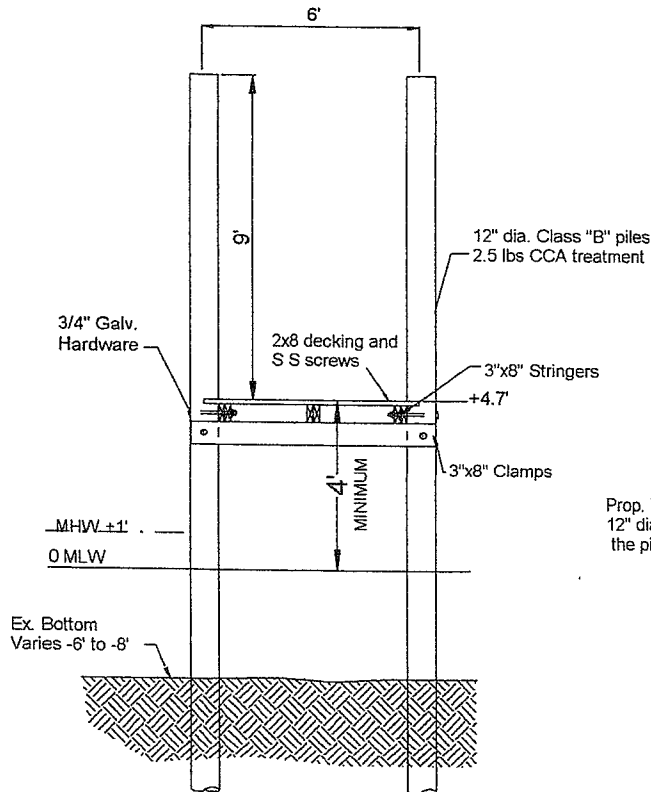
IN: TENTHOUSE CREEK
TOWN: GALESVILLE
COUNTY: ANNE ARUNDEL
STATE: MARYLAND
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CRANDELL, INC.
722 CRANDELL RD.
WEST RIVER, MD 20778

DATE: JUNE, 2023

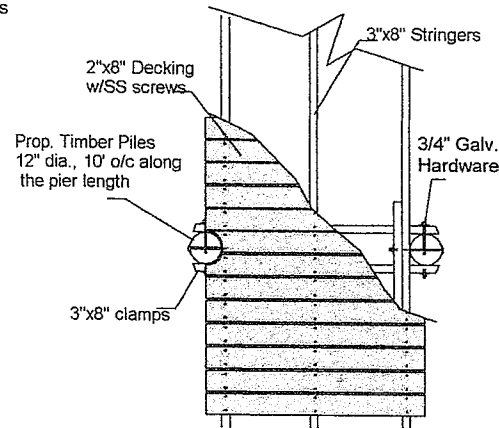
DRAWING 7



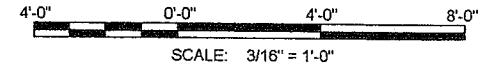
REPLACEMENT INDUSTRIAL PIER **SECTION**



PROPOSED PIER SECTION



PROPOSED PIER
TOP VIEW



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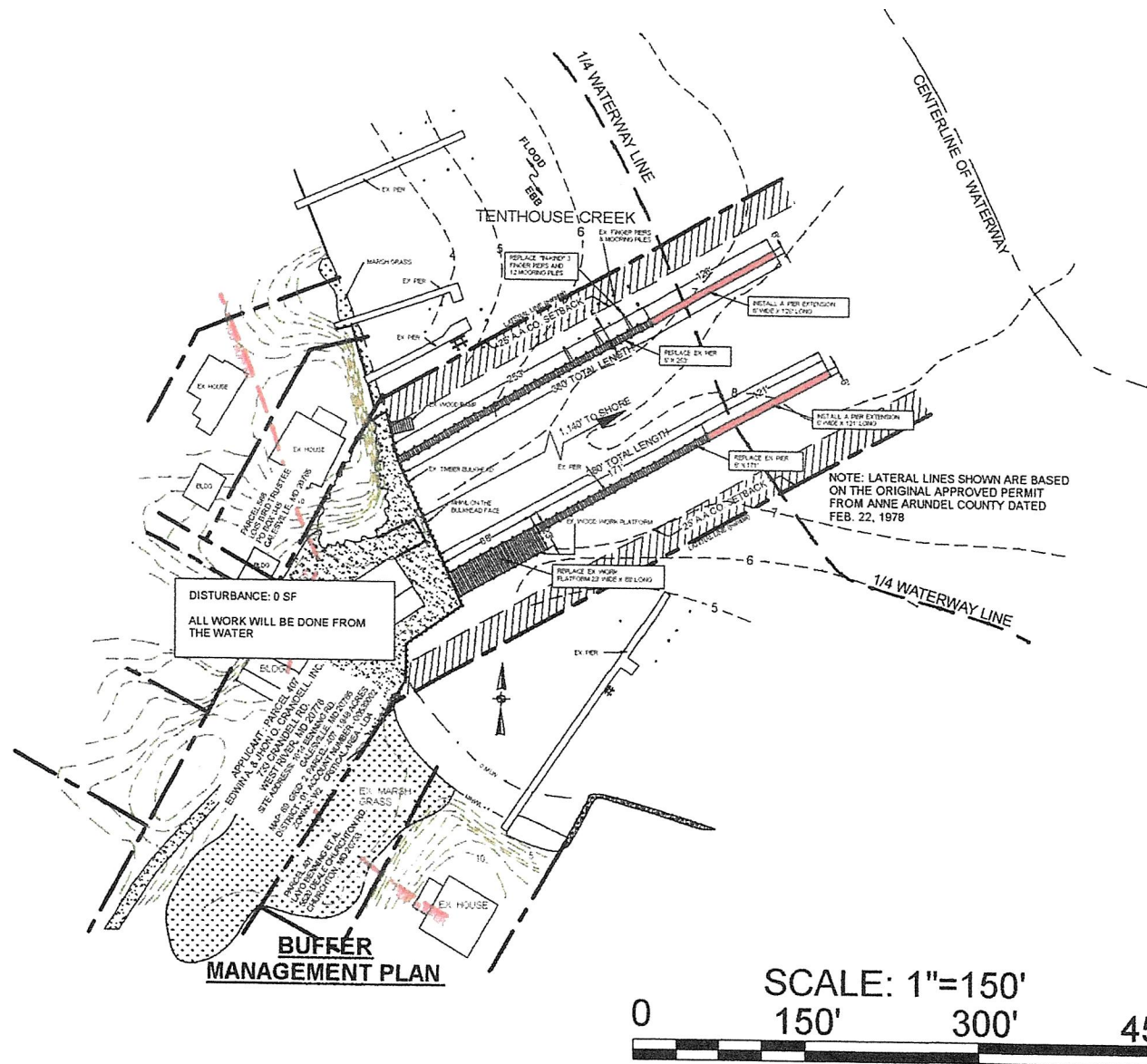
ZONING: W2 CRITICAL AREA - LDA

TYPICAL SECTION

IN: TENTHOUSE CREEK
TOWN: GALESVILLE
COUNTY: ANNE ARUNDEL
STATE: MARYLAND
APPL. BY: EDWIN A. & JOHN O.
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DRAWING 8



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BUFFER MANAGEMENT PLAN

IN: TENTHOUSE CREEK
 TOWN: GALESVILLE
 COUNTY: ANNE ARUNDEL
 STATE: MARYLAND
 APPL. BY: EDWIN A. & JOHN O.
 CRANDELL, INC.
 722 CRANDELL RD.
 WEST RIVER, MD 20778

DATE: JUNE, 2023 DRAWING 9