

**PROJECT INFORMATION**

**SITE LOCATION:**  
 BOTTLE BRANCH ROAD  
 BERLIN, MARYLAND 21811  
 TAX MAP 25, GRID 22, PARCEL 324  
 TAX ID # 03-016498

**CLIENT:**  
 MAYOR AND COUNCIL OF BERLIN  
 10 WILLIAMS STREET  
 BERLIN, MARYLAND 21811

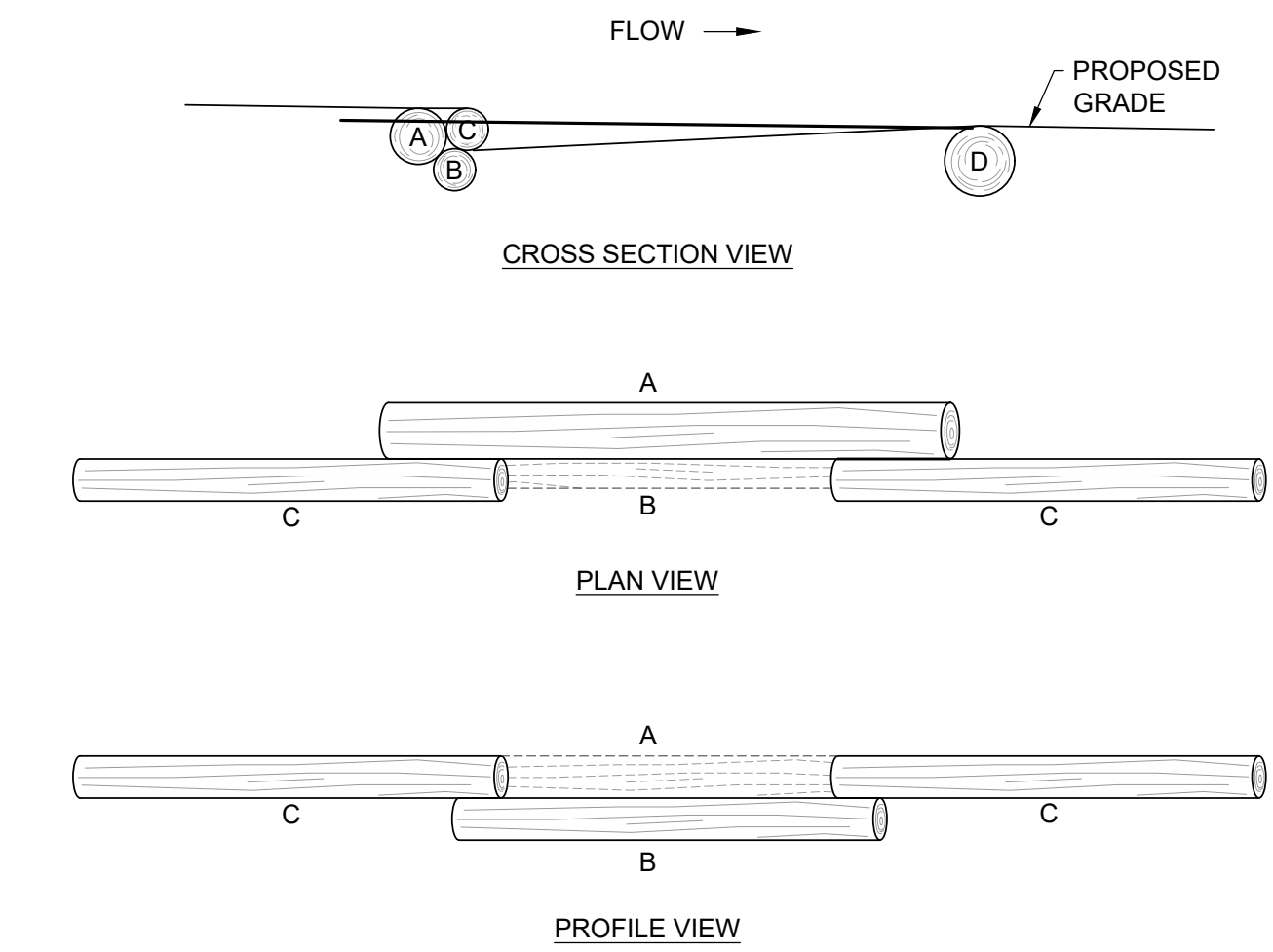
**ENGINEER:**  
 EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC., PBC  
 225 SCHILLING CIRCLE, SUITE 400  
 HUNT VALLEY, MARYLAND 21031  
 410-584-7000

**DATUM:**  
 HORIZONTAL: MARYLAND STATE PLANE NAD83  
 VERTICAL: NAVD88

**GENERAL NOTES**

- PROPERTY LINES, TOPOGRAPHY, AND EXISTING CONDITIONS LOCATION ARE BASED ON A SURVEY PREPARED BY SOLUTIONS IPEM, DATED DECEMBER 15, 2023, AND REVISED JANUARY 26, 2024.
- WATERS OF THE US AND WETLANDS DELINEATION WAS CONDUCTED BY EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC., PBC IN NOVEMBER 2023.
- FOREST STAND DELINEATION AND FIELD ASSESSMENT WAS CONDUCTED BY EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC., PBC IN NOVEMBER 2023.
- FEMA FLOODPLAIN IS BASED ON FIRM MAP 24047C0154H, WITH AN EFFECTIVE DATE OF JULY 16, 2015.
- SOIL CLASSIFICATIONS AND BOUNDARIES ARE BASED ON USDA WEB SOILS SURVEY DATA ACCESSED DECEMBER 2023.
- NEWPORT BAY WATERSHED 8-DIGIT HUC CODE: 02130105.
- THE SITE DOES NOT APPEAR TO BE LISTED IN THE MARYLAND INVENTORY OF HISTORIC PROPERTIES, OR THE NATIONAL REGISTER OF HISTORIC PLACES.
- ALL STANDS ARE CONSIDERED PRIORITY 1 AREAS.
- TREE DIAMETERS WERE MEASURED USING A FORESTRY DIAMETER TAPE.
- NO STATE OR FEDERALLY-LISTED SPECIES ARE KNOWN TO OCCUR AT THE SITE (FSD REPORT, APPENDIX F).
- ALL INDIVIDUAL TREES WITH DBH OF 30-INCHES OR GREATER HAVE BEEN SURVEYED AND SHOWN ON THE FSD PLANS.

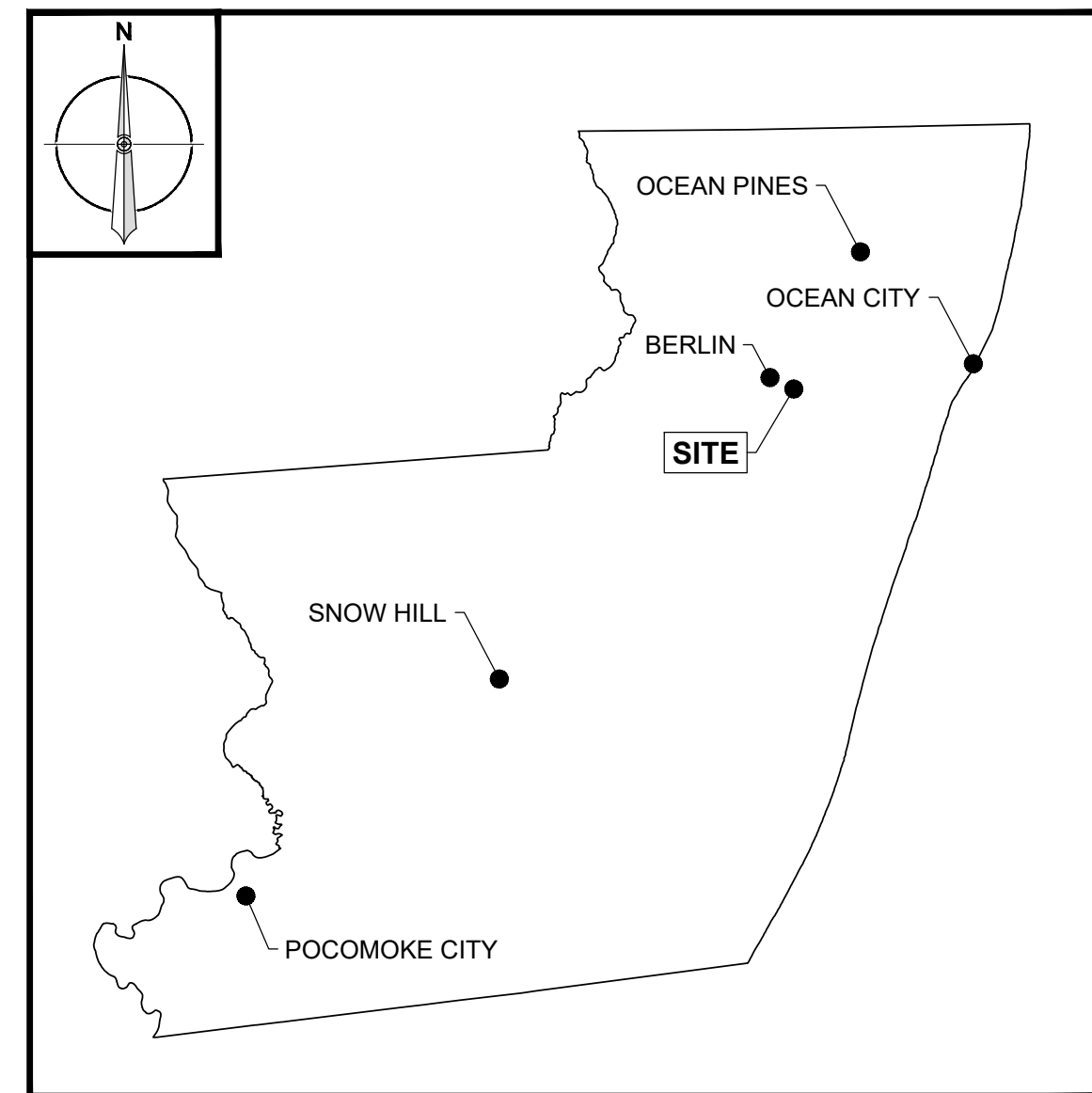
# HUDSON BRANCH STREAM RESTORATION CONCEPT DESIGN PLAN BERLIN, MARYLAND



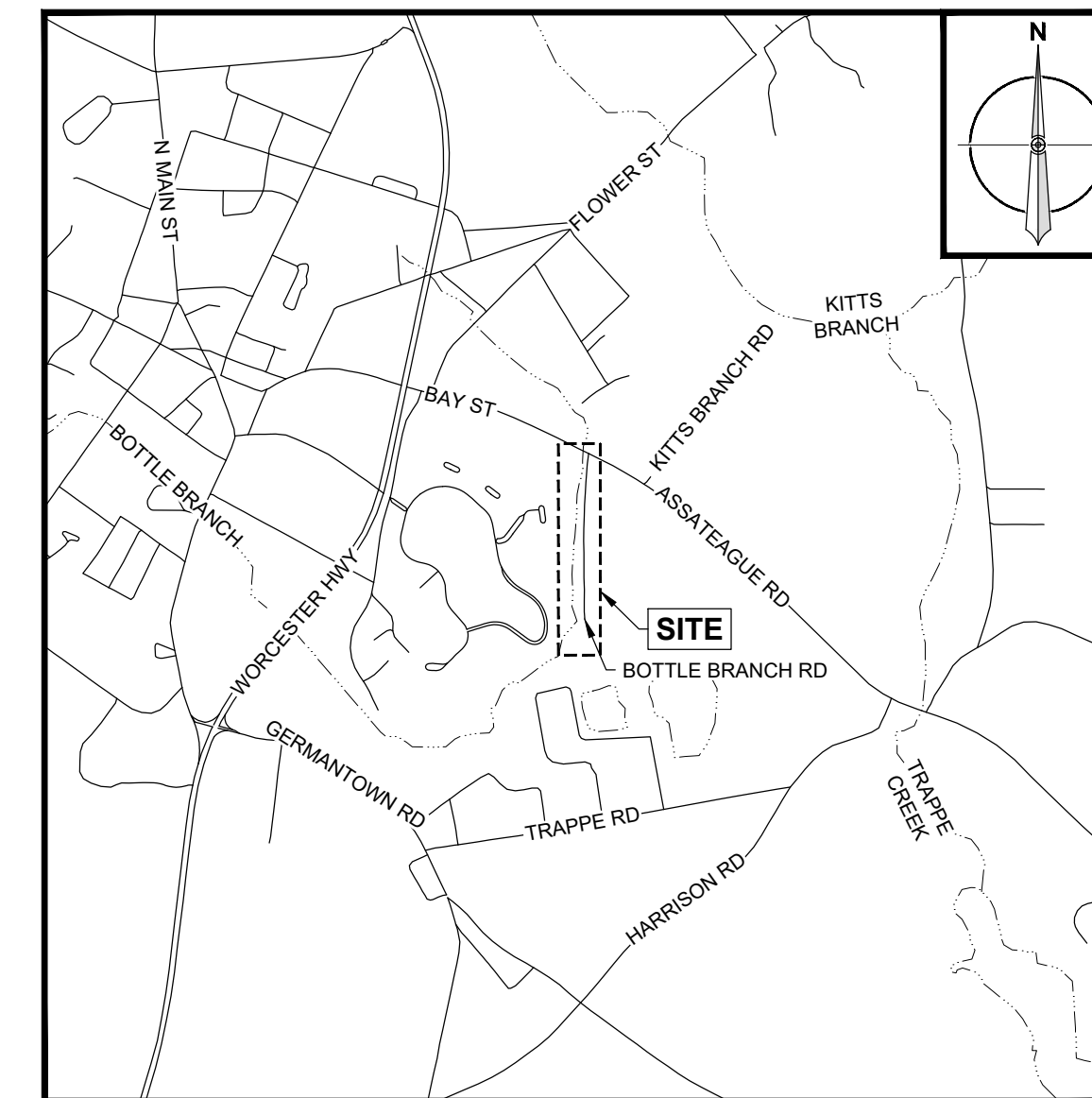
**LOG POOL STRUCTURE**  
 NOT TO SCALE

**NOTES:**

- LOGS SHALL SPAN THE ENTIRE FLOODPLAIN AND EXTEND AT LEAST 3 FT INTO 3(H):1(V) SLOPE.
- WHEN ADDITIONAL LOGS ARE NEEDED TO REACH THE TOE OF SLOPE, EACH LOG SHALL OVERLAP A MINIMUM OF TWO (2) FEET.
- TOP OF LOGS A AND C SHALL BE SET AT THE SAME ELEVATION. ANY ADDITIONAL LOGS NEEDED TO REACH THE TOE OF SLOPE SHALL BE PLACED AT THE SAME ELEVATION.
- BOTTOM OF LOG A SHALL BE PLACED AT THE SAME ELEVATION AS THE CENTER OF LOG B.
- SEE STRUCTURE TABLE ON SHEETS FOR EACH LOG ELEVATION.



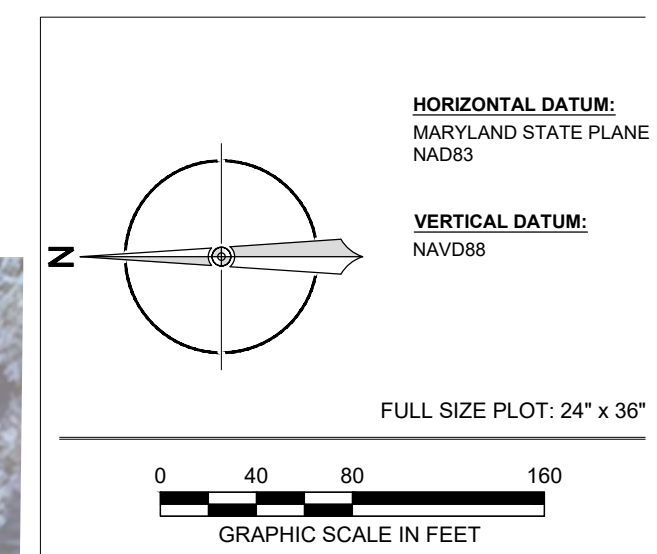
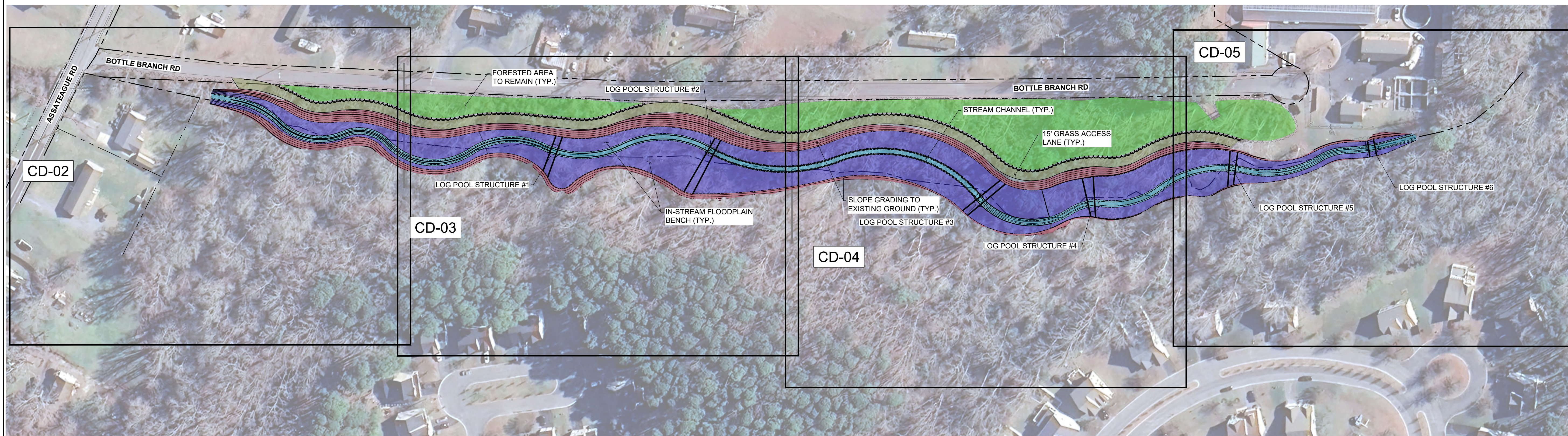
**VICINITY MAP - WORCESTER COUNTY**  
 SCALE: NOT TO SCALE



**SITE LOCATION MAP**  
 SCALE: 1" = 2,000'

DRAWING NO.	SHEET NO.	DRAWING TITLE
CD-01	1	CONCEPT DESIGN PLAN - KEY SHEET
CD-02	2	CONCEPT DESIGN PLAN
CD-03	3	CONCEPT DESIGN PLAN
CD-04	4	CONCEPT DESIGN PLAN
CD-05	5	CONCEPT DESIGN PLAN

**SHEET LIST**



DATE: MARCH 2025  
 PROJECT NAME:  
**HUDSON BRANCH  
 STREAM RESTORATION**  
 PROJECT ADDRESS:  
 BOTTLE BRANCH ROAD  
 BERLIN, MARYLAND  
 FIGURE TITLE:  
**CONCEPT DESIGN PLAN -  
 KEY SHEET**  
 FIGURE NO. CD-01



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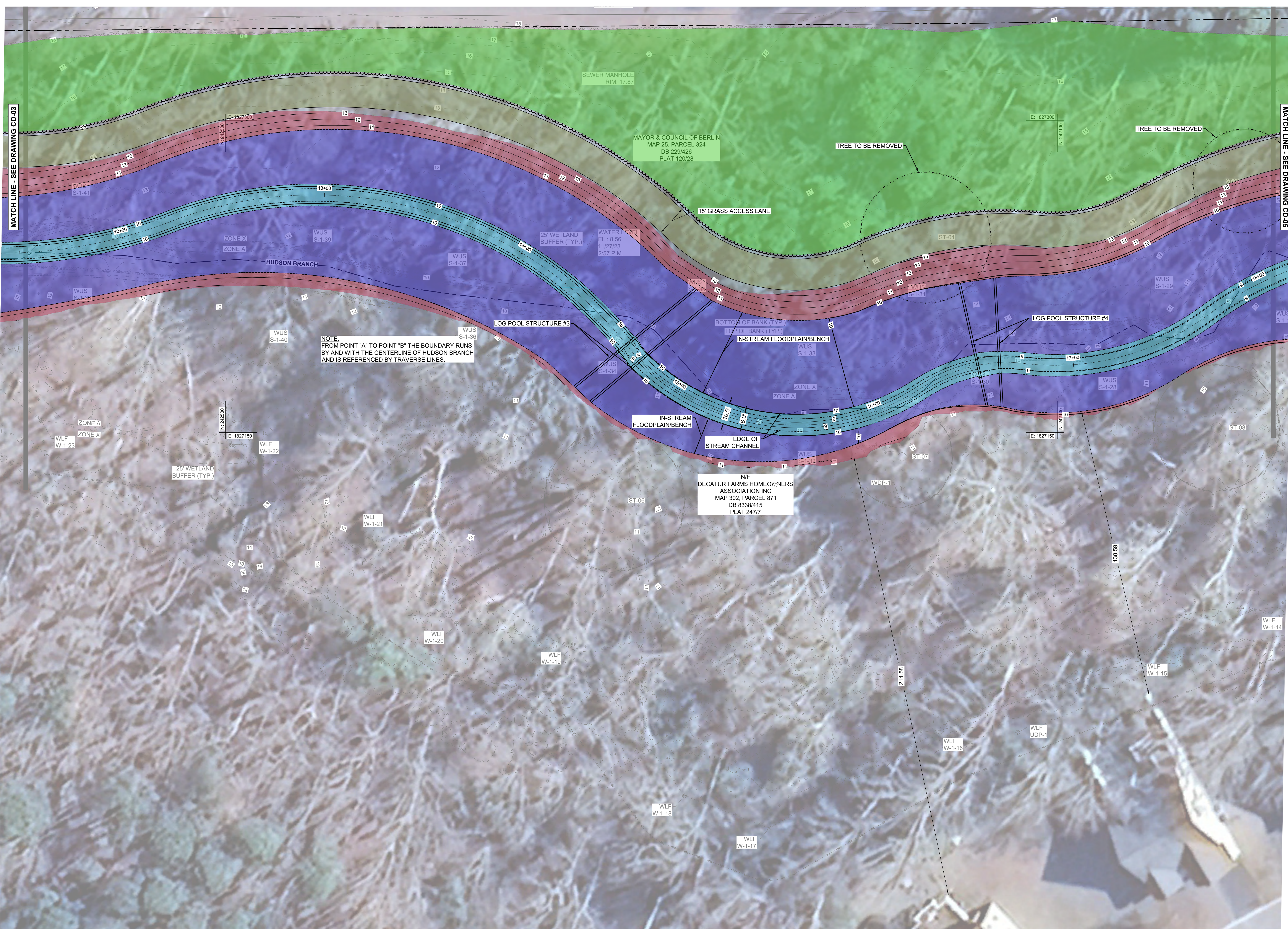
225 Schilling Circle, Suite 400  
 Hunt Valley, Maryland 21031  
 (410) 584-7000  
 www.eaest.com

FILE PATH: \\C:\Users\pbc\Documents\Projects\HUDSON BRANCH STREAM RESTORATION\CONCEPT DESIGN\CD-01\LEGEND.MXD; PRESENTATION: BOTTLE BRANCH CD-01\LEGEND.MXD; STRAIN: 11/2025 9:15 AM

CONCEPT DESIGN PLANS - NOT FOR CONSTRUCTION









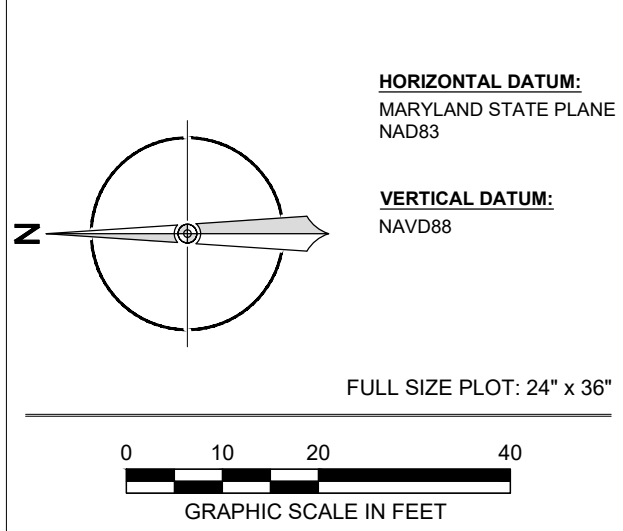
NOTE:  
FROM POINT "A" TO POINT "B" THE  
BOUNDARY RUNS BY AND WITH THE  
CENTERLINE OF HUDSON BRANCH  
AND IS REFERENCED BY TRAVERSE  
LINES.

N/F  
DECATUR FARMS HOMEOWNERS  
ASSOCIATION INC  
MAP 302, PARCEL 871  
DB 8338/415  
PLAT 24717

MAYOR & COUNCIL OF BERLIN  
MAP 26, PARCEL 324  
DB 229/426  
PLAT 120/28

MATCH LINE - SEE DRAWING CD-04

PROPOSED SITE DESIGN  
SCALE: 1" = 20'



DATE: MARCH 2025  
PROJECT NAME  
**HUDSON BRANCH  
STREAM RESTORATION**  
PROJECT ADDRESS  
BOTTLE BRANCH ROAD  
BERLIN, MARYLAND  
FIGURE TITLE  
**CONCEPT DESIGN PLAN**  
FIGURE NO. CD-05



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