

# TOWNS OF BRENTWOOD AND NORTH BRENTWOOD HISTORIC BARRIER PARK



TOWNS OF  
BRENTWOOD AND  
NORTH  
BRENTWOOD  
  
HISTORIC  
BARRIER PARK

DESIGN MC  
DRAWN JJ  
REVIEW  
CONSULTANT

**ECOSITE, INC.**  
Ecologically Sustainable Design  
  
4600 POWDER MILL RD  
STE 450-S16  
BELTSVILLE, MD 20705  
PHONE: (410) 804-8000

SHEET TITLE  
COVER SHEET

DATE: 3/29/2024

SHEET NO.

**C-1**

## GENERAL NOTES

- TOTAL DRAINAGE AREA: 0.26 AC (11,326 SF)
- TOTAL IMPERVIOUS AREA: 0.13 AC (5663 SF)
- DISTURBED AREA: 1,482 SQ. FT.
- EXISTING ZONE: URBAN RESIDENTIAL RSF-65
- WATER/SEWER CATEGORY 33
- WSSC GRID: 206NE04
- TAX MAP: 50
- SUBDIVISION: BRENTWOOD, NBRENTWOOD
- STORMWATER CONCEPT APPROVAL#: N/A
- ASSUMED 10FT PUBLIC UTILITY EASEMENT ALONG ALL RIGHTS OF WAY UNLESS OTHERWISE SHOWN
- NO MANDATORY PARK DEDICATION OR SUBDIVISION REQUIRED
- NO CEMETERIES EXISTING OR ON CONTIGUOUS TO THE PROPERTY
- THIS IS A HISTORICAL SITE
- THE NW BRANCH OF THE ANACOSTIA RIVER IS NOT CONTIGUOUS / ADJACENT TO PROPERTY
- WETLANDS ARE NOT ON OR CONTIGUOUS/ADJACENT TO PROPERTY
- 100 YEAR FLOODPLAIN IS ON OR CONTIGUOUS/ADJACENT TO PROPERTY
- THIS SITE IS WITHIN A SEDIMENT TMDL AND IS WITHIN A TIER 2 WATERSHED
- WATERSHED: ANACOSTIA RIVER
- THIS SITE IS WITHIN THE CHESAPEAKE BAY CRITICAL AREA
- SOURCE OF TOPOGRAPHY: PRINCE GEORGE'S COUNTY GIS & FROM OTHERS
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THERE ARE MINOR UTILITY CONFLICTS WITHIN THE PROPOSED WORK AREA.



VICINITY MAP

## SEQUENCE OF CONSTRUCTION

- CONTACT "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF EXCAVATION. IF CLEARANCES ARE LESS THAN SHOWN ON THIS PLAN OR TWELVE (12) INCHES, WHICHEVER IS LESS, CONTACT THE ENGINEER AND THE UTILITY COMPANY BEFORE PROCEEDING WITH CONSTRUCTION. CLEARANCES LESS THAN NOTED MAY REQUIRE REVISIONS TO THIS PLAN.
- INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND UTILITY CROSSINGS BY DIGGING TEST PITS BY HAND, WELL IN ADVANCE OF THE START OF EXCAVATION.
- HOLD PRE-CONSTRUCTION MEETING WITH TOWN OF N. BRENTWOOD ENGINEER AND TOWN MANAGER  
**(PRIOR TO ANY WORK & EXCAVATION, THE LIMITS OF WORK MUST BE CLEARLY MARKED)**
- CONTRACTOR TO INSTALL SPECIFIED MAINTENANCE OF TRAFFIC SIGNS AND DEVICES (1 WEEK BEFORE START OF WORK)
- EXCAVATE AREA FOR INSTALLATION OF PERMEABLE INTERLOCKING UNIT PAVEMENT TO 15 INCH DEPTH AND COMPACT SUBGRADE AS SPECIFIED
- PREPARE AND INSTALL FOUNDATIONS FOR SCULPTURE STRUCTURE
- INSTALL GEOTEXTILE FABRIC ABOVE THE COMPACTED SUBGRADE, ADD 6" RESERVOIR LAYER, 4" CHOKER LAYER AND 2" SAND BEDDING LAYER
- INSTALL 3" PERMEABLE INTERLOCKING UNIT PAVEMENT
- COMPLETE INSTALLATION OF SCULPTURE STRUCTURES
- INSTALL AND COMPLETE TREE PLANTERS
- WITH APPROVAL OF TOWN ENGINEER, CLEANUP AND RESTORE WORK AREAS
- WITH APPROVAL OF TOWN ENGINEER, REMOVE ALL TRAFFIC CONTROL SIGNS AND DEVICES

- SHEET INDEX- COMBINED PHASE 1 & 2
- C-1 COVER SHEET
  - C-2 DRAINAGE AREA MAP
  - C-3 BRENTWOOD - SITE PLAN- HISTORIC BARRIER PARK
  - C-3.1 N BRENTWOOD - SITE PLAN- HISTORIC BARRIER PARK
  - C-3.2 N BRENTWOOD - SITEPLAN 2
  - C-4 DETAILS & NOTES
  - C-5 MAINTENANCE OF TRAFFIC PLAN (MOT)-1
  - C-6 MAINTENANCE OF TRAFFIC NOTES & DETAILS
  - SK-1 STRUCTURAL PLANS
  - SK-2 FOUNDATION PLAN AND SECTION
  - SK-3 SCULPTURE FRAME
  - SK-4 SCULPTURE SECTIONS \$ DETAILS

**MISS UTILITY**

BEFORE YOU DIG CALL  
1-800-257-7777  
PROJECT, YOURSELF, GIVE TWO  
WORKING DAYS NOTICE

THIS DRAWING DOES NOT  
INCLUDE NECESSARY  
COMPONENTS FOR  
CONSTRUCTION SAFETY.  
THE CONTRACTOR MUST  
SEEK AND OBTAIN ALL  
NECESSARY PERMITS  
WITH THE OCCUPATIONAL  
SAFETY AND HEALTH  
ACT OF 1970 AND ALL  
RULES AND REGULATIONS  
THEREOF APPLICABLE.

THE CONTRACTOR TO CALL  
MISS UTILITY TO HAVE  
ALL EXISTING UTILITIES  
MARKED PRIOR  
TO ANY CONSTRUCTION.

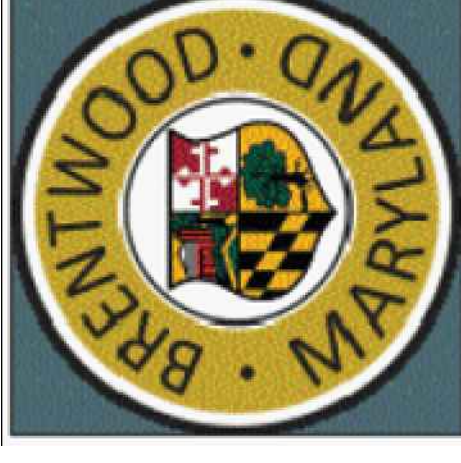
Professional certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland

License No.: 22621      Expiration Date: 2-17-2026



# WINDOM ROAD - HISTORIC BARRIER PARK

## TOWN OF BRENTWOOD, MD



TOWN OF  
BRENTWOOD  
HISTORIC  
BARRIER PARK

DESIGN MC  
DRAWN JJ  
REVIEW  
CONSULTANT

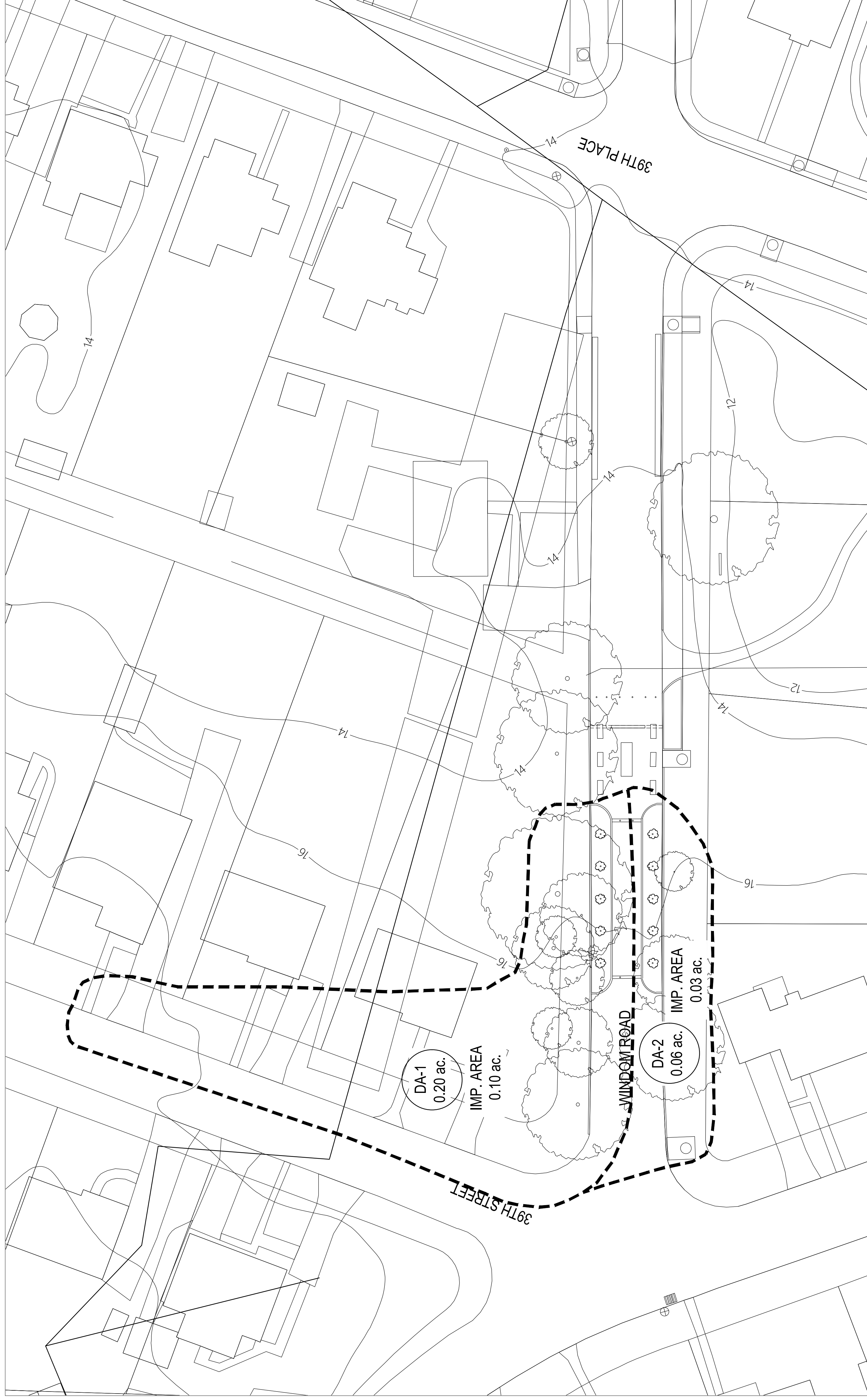
**ECOSITE, INC.**  
Ecologically Sustainable Design  
4600 POWDER MILL RD  
STE 450-S16  
BELTSVILLE, MD 20705  
PHONE: (410) 804-8000

SHEET TITLE  
DRAINAGE AREA MAP

DATE: 3/29/2024

SHEET NO.

**C-2**



### DRAINAGE AREA MAP

SCALE: 1" = 20'

**MISS UTILITY**

BEFORE YOU DIG CALL  
1-800-487-7777  
PROTECT YOUR INVESTMENT. MARK THE TIES.  
MISS UTILITY

THIS DRAWING DOES NOT  
INCLUDE NECESSARY  
CONSTRUCTION SAFETY.  
ALL CONSTRUCTION MUST  
BE DONE IN COMPLIANCE  
WITH THE OCCUPATIONAL  
SAFETY AND HEALTH  
ACT OF 1970 AND ALL  
RULES AND REGULATIONS  
THEREBY APPLICABLE.

THE CONTRACTOR TO CALL  
MISS UTILITY PRIOR TO  
ALL EXISTING UTILITIES  
MARKED 48 HOURS PRIOR  
TO ANY CONSTRUCTION.



Professional certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland  
License No.: 22621 Expiration Date: 2-17-2026



# WINDOM ROAD BETWEEN 39th STREET & 39th PLACE HISTORIC BARRIER PARK

TOWN OF BRENTWOOD, MD



TOWN OF  
BRENTWOOD  
  
HISTORIC  
BARRIER PARK

DESIGN MC  
DRAWN JJ  
REVIEW  
CONSULTANT

## ECOSITE, INC.

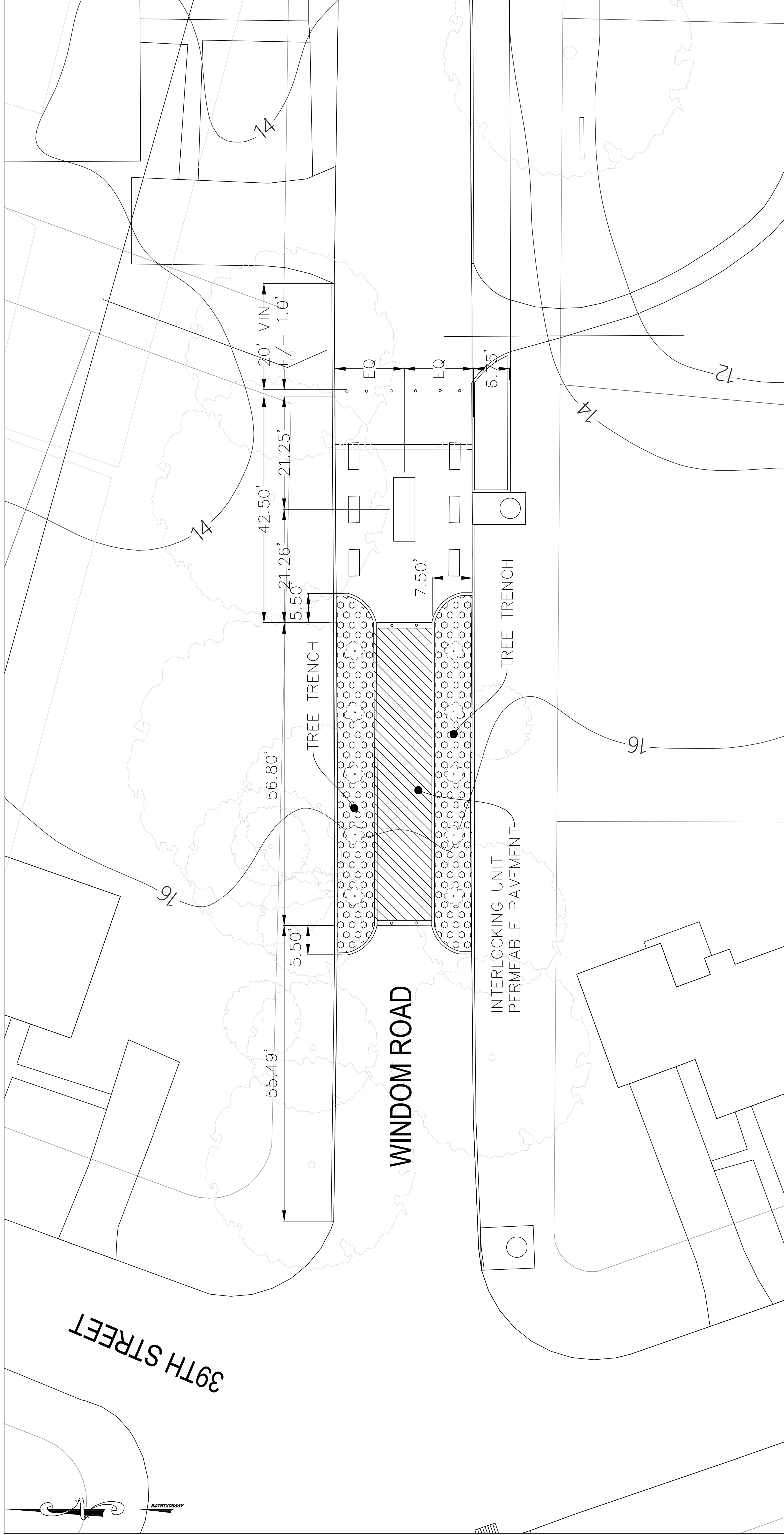
Ecologically Sustainable Design  
4600 POWDER MILL RD  
STE 450-S16  
BELTSVILLE, MD 20705  
PHONE: (410) 804-8000

SHEET TITLE  
SITE PLAN

DATE: 3/28/2024

SHEET NO.

# C-3



SITE PLAN

SCALE: 1" = 10'

MISS UTILITY

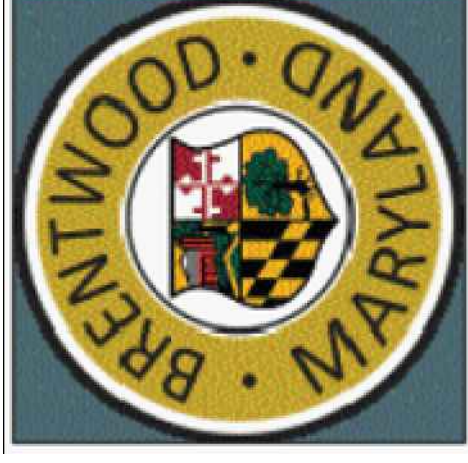
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREOF APPLICABLE.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.



Professional certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland  
 License No.: 22621    Expiration Date: 2-17-2026





TOWNS OF  
BRENTWOOD AND  
NORTH  
BRENTWOOD

DESIGN MC  
DRAWN JJ  
REVIEW  
CONSULTANT

**ECOSITE, INC.**  
Ecologically Sustainable Design

4600 POWDER MILL RD  
STE 450-S16  
BELTSVILLE, MD 20705  
PHONE: (410) 804-8000

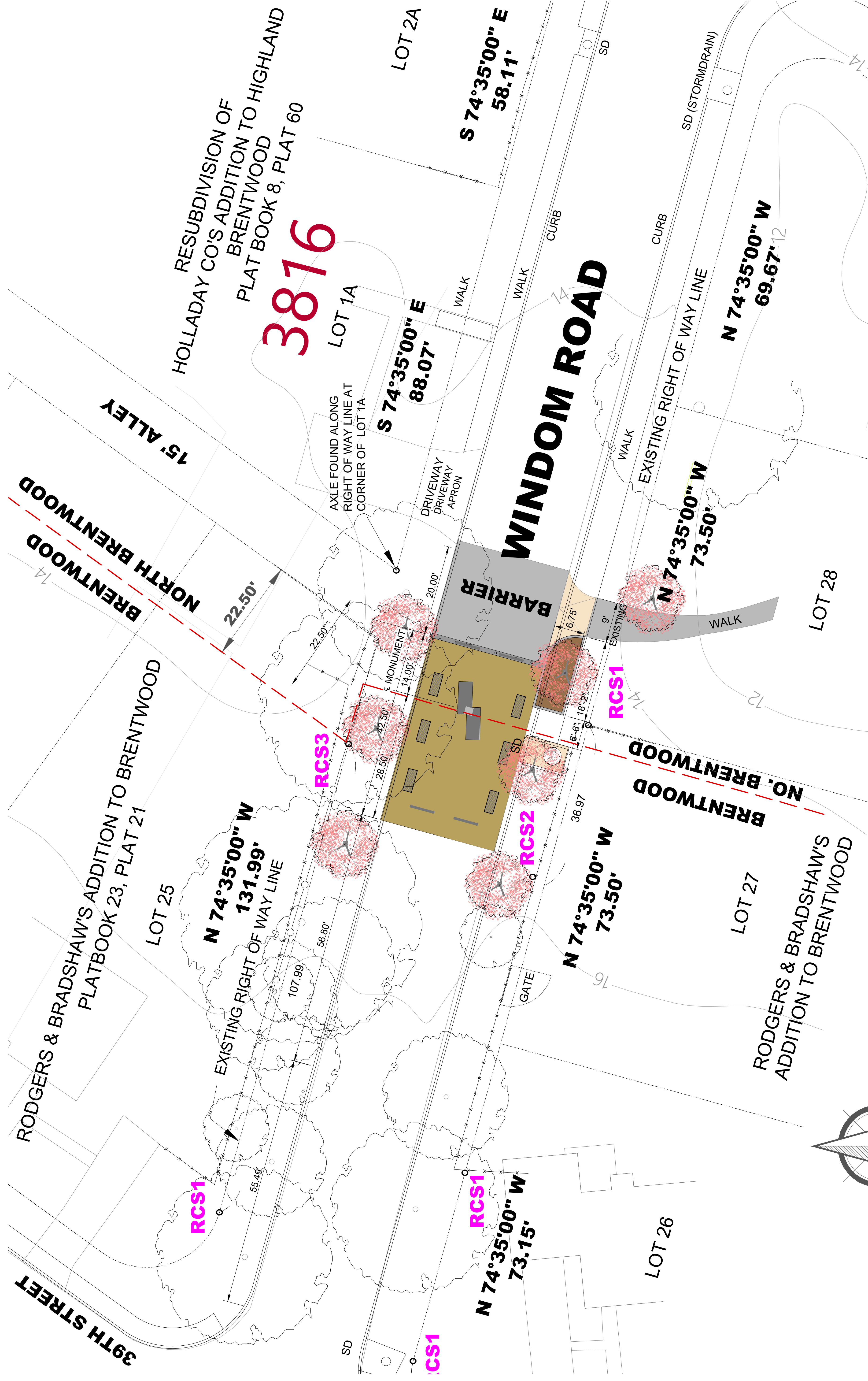
SHEET TITLE

HISTORIC  
BARRIER PARK

DATE: 3/29/2024

SHEET NO.

**C-3.1**



**LEGEND:**

- IPF - IRON PIPE FOUND
- RCS1 - REBAR & BLUE CAP SET ON RIGHT OF WAY LINE
- RCS2 - REBAR & BLUE CAP SET ON TOWN CORPORATE LINE
- RCS3 - REBAR & BLUE CAP AT INTERSECTION OF CORPORATE LINE AND RIGHT OF WAY LINE
- X- - FENCE (LOCATIONS AND DIMENSIONS SHOWN REFER TO CENTER OF POSTS)

**MISS UTILITY**

THE DRAWING DOES NOT INDICATE THE EXACT LOCATION OF ANY UTILITIES. ALL CONSTRUCTION MUST BE DONE IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT, FEDERAL AND STATE RULES AND REGULATIONS THEREOF APPLICABLE.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES LOCATED AND MARKED TO ANY CONSTRUCTION.

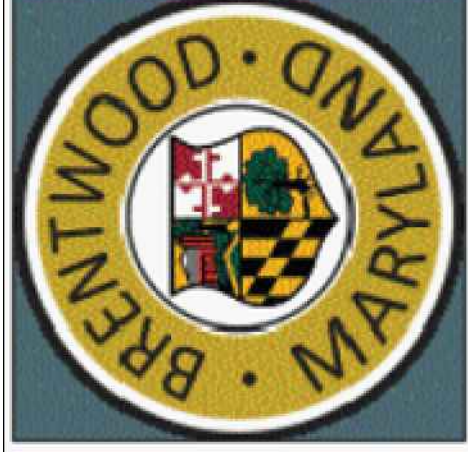
REPAIR AND CALL MISS UTILITY AT 1-800-495-4777. PROJECT NUMBER: 23031.0001. PROJECT DATE: 03/29/2024.



Professional certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland

License No.: 22621 Expiration Date: 2-17-2026





TOWNS OF  
BRENTWOOD AND  
NORTH  
BRENTWOOD  
HISTORIC  
BARRIER PARK

DESIGN MC  
DRAWN JJ  
REVIEW  
CONSULTANT

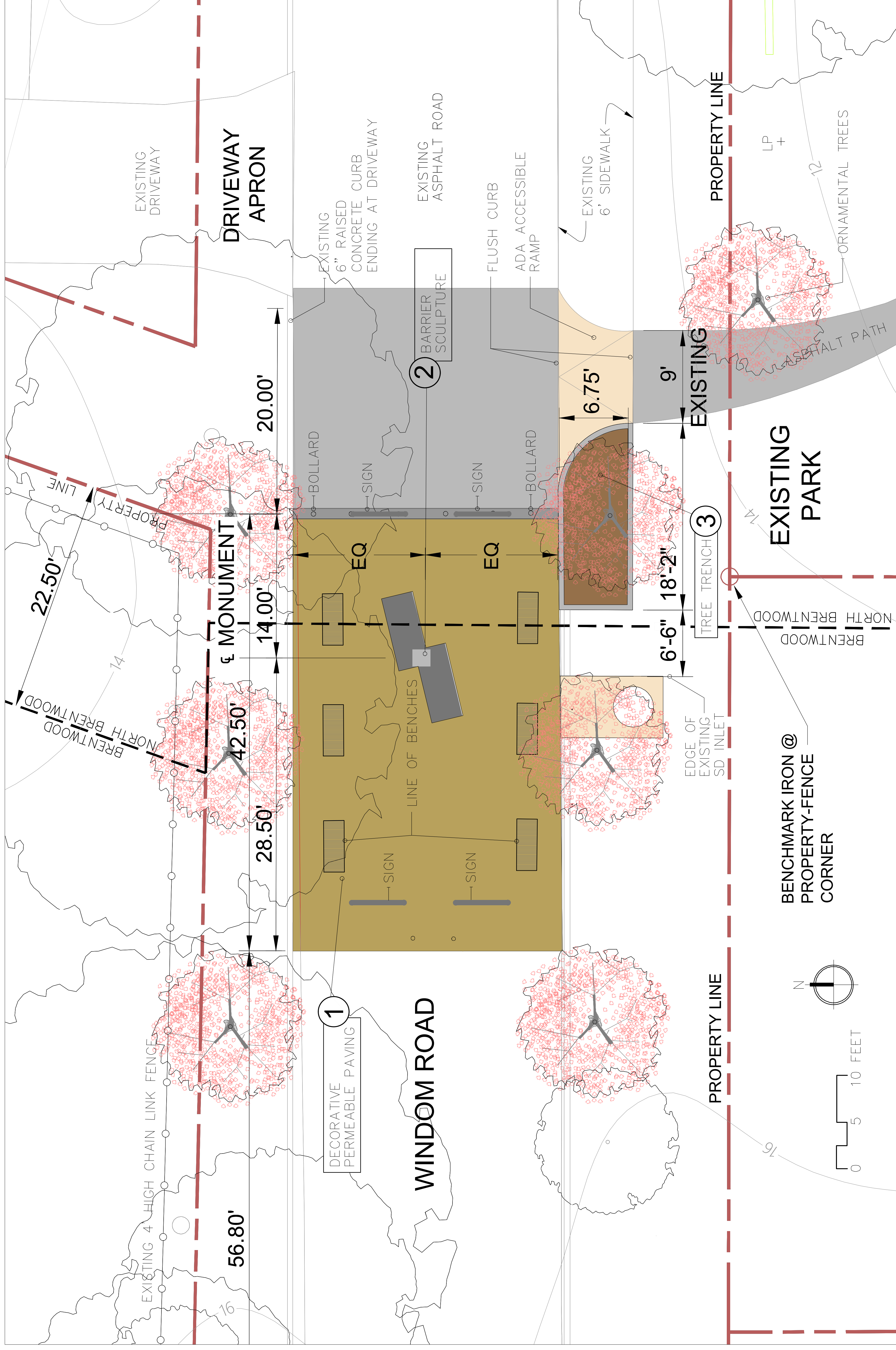
**ECOSITE, INC.**  
Ecologically Sustainable Design  
4600 POWDER MILL RD  
STE 450-S16  
BELTSVILLE, MD 20705  
PHONE: (410) 804-8000

SHEET TITLE  
SITE PLAN  
AND PROFILES

DATE: 3/29/2024

SHEET NO.

**C-3.2**



**MISS UTILITY**

BEFORE YOU DIG, CALL  
800-4-A-UTILITY (438-7877)  
OR VISIT MISS.UTILITY.COM  
PROTECT YOURSELF. MAKE TWO  
NEIGHBORHOODS BUISY.

THE DRAWING DOES NOT  
INCLUDE ACCESS TO  
UTILITY LINES FOR  
CONSTRUCTION SAFETY.  
ALL CONSTRUCTION MUST  
BE IN ACCORDANCE WITH  
THE OCCUPATIONAL  
SAFETY AND HEALTH  
REGULATIONS AND  
RELATED APPLICABLE  
TERRITORY REGULATIONS.

THE CONTRACTOR TO CALL  
MISS UTILITY TO OBTAIN  
ALL EXISTING UTILITIES  
BEFORE ANY CONSTRUCTION  
TO ANY CONSTRUCTION.



Professional certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland  
License No.: 22621 Expiration Date: 2-17-2026





TOWNS OF  
BRENTWOOD AND  
NORTH  
BRENTWOOD  
HISTORIC  
BARRIER PARK

DESIGN: MC  
DRAWN: JJ  
REVIEW:  
CONSULTANT:

**ECOSITE, INC.**

Ecologically Sustainable Design  
4600 POWDER MILL RD  
STE 450-S16  
BELTSVILLE, MD 20705  
PHONE: (410) 304-0000

SHEET TITLE  
DETAILS

DATE: 1/09/2023

REVISIONS

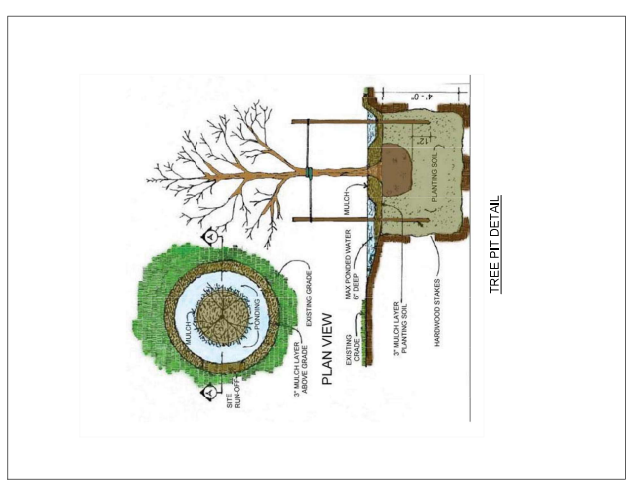
SHEET NO.

**C-4**

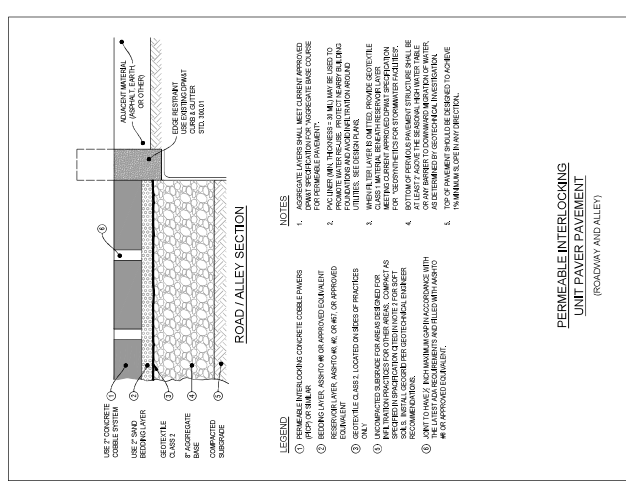


Figure 3: Maryland Standard 655.13

ADA RAMP DETAIL



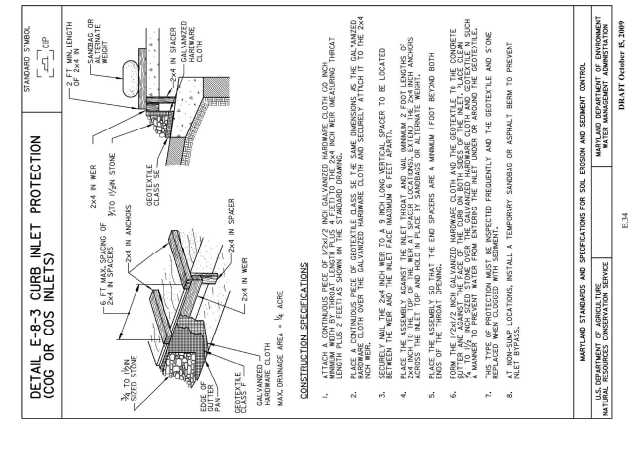
TREE PIT DETAIL



ROAD/ALLEY SECTION

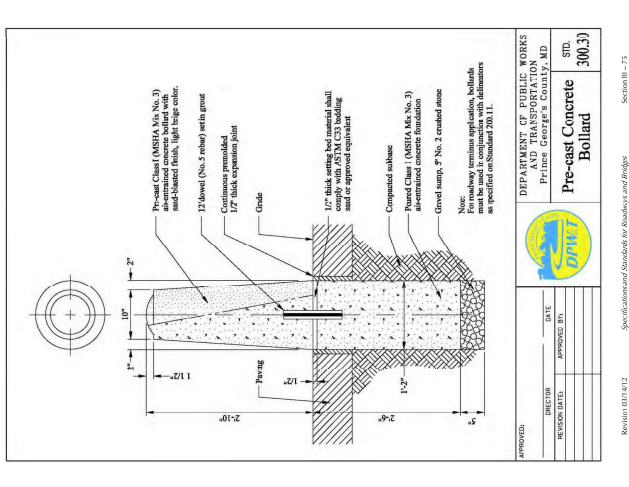
- LEGEND**
- ① 1" CONCRET
  - ② COMBLE SYSTEM
  - ③ USE 2" SAND
  - ④ GEOTEXTILE
  - ⑤ CLASS 2
  - ⑥ BASE
  - ⑦ COMPACTED
  - ⑧ SUBGRADE
- NOTES**
1. DRAINAGE LAYERS SHALL MEET CURRENT APPROVED (PEPS) FOR THE AREA.
  2. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.
  3. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.
  4. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.
  5. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.
  6. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.
  7. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.
  8. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.
  9. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.
  10. DRAINAGE LAYER, ASPHALT OR APPROVED EQUIVALENT.

PERMEABLE INTERLOCKING UNIT PAVEMENT (ROADWAY AND ALLEY)



DETAIL E-8-3 CURB INLET PROTECTION (COG OR COS INLETS)

- CONSTRUCTION SPECIFICATIONS**
1. MINIMUM WIDTH UNDER THE CURB SHALL BE 24" TO THE FACE OF THE CURB.
  2. MINIMUM WIDTH UNDER THE CURB SHALL BE 24" TO THE FACE OF THE CURB.
  3. MINIMUM WIDTH UNDER THE CURB SHALL BE 24" TO THE FACE OF THE CURB.
  4. MINIMUM WIDTH UNDER THE CURB SHALL BE 24" TO THE FACE OF THE CURB.
  5. MINIMUM WIDTH UNDER THE CURB SHALL BE 24" TO THE FACE OF THE CURB.
  6. MINIMUM WIDTH UNDER THE CURB SHALL BE 24" TO THE FACE OF THE CURB.
  7. MINIMUM WIDTH UNDER THE CURB SHALL BE 24" TO THE FACE OF THE CURB.
  8. MINIMUM WIDTH UNDER THE CURB SHALL BE 24" TO THE FACE OF THE CURB.



Pre-cast Concrete Bolland

APPROVED:	DATE:	STATION:
DIRECTOR:	APPROVED BY:	300.31
REVISION DATE:		

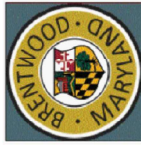
DEPARTMENT OF PUBLIC WORKS  
AND TRANSPORTATION  
PRINCE GEORGE'S COUNTY, MD



Professional certification: I hereby certify that I have examined the plans and specifications and that I am a duly licensed professional engineer under the laws of the State of Maryland License No.: 28221 Expiration Date: 2-17-2024







TOWNS OF  
BRENTWOOD AND  
NORTH  
BRENTWOOD  
HISTORIC  
BARRIER PARK

DEREK MC  
BROWN JJ  
REVIEW  
CONSULTANT

**ECOSITE, INC.**

Ecologically Sustainable Design  
4600 POWDER MILL RD  
STE 450-S16  
BELTSVILLE MD 20705  
PHONE: (410) 364-6000

SHEET TITLE  
MOT PLAN

DATE: 11/09/2023  
REVISIONS:

SHEET NO.

**C-5**

GENERAL SHEET NOTES

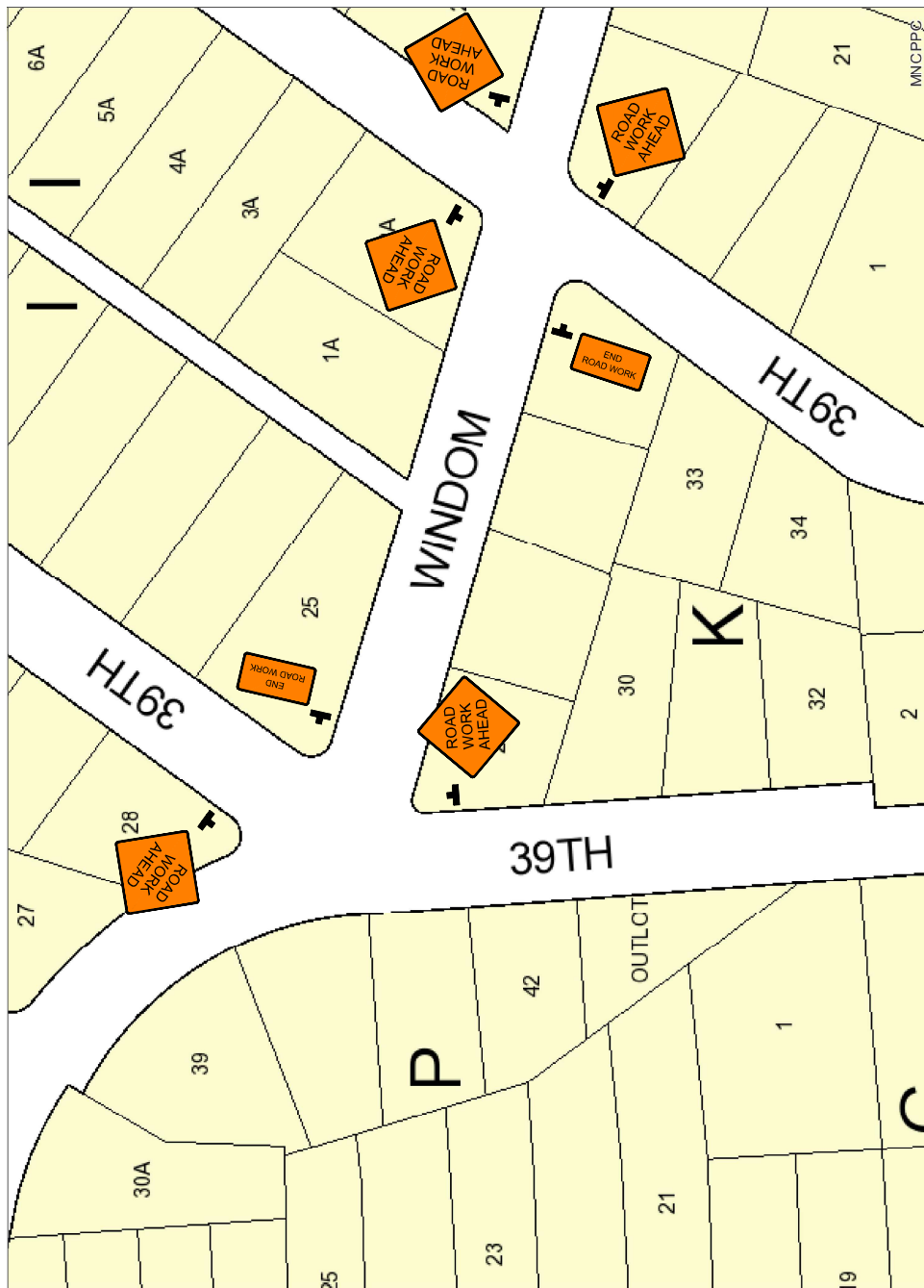
1. SEE SHEET C-5 FOR GENERAL NOTES AND DETAILS
2. PROJECT CONSISTS OF UNDERDRAIN INSTALLATIONS ON NORTH SIDE OF WINDOM ROAD
3. SEE GENERAL MAINTENANCE OF TRAFFIC NOTES AND DETAIL SHEETS

SHEET KEY NOTES

1. PROVIDE DRUMS OR CONES AS CHANNELIZING DEVICES AROUND WORK AREA IN ROADWAY, 10 FOOT SPACING
2. SIGN "END OF ROAD WORK" (G50-2(1), 36x18)
3. SIGN "ROAD WORK AHEAD" (W20-1, 36x36)
4. PROVIDE MINIMUM OF 10 FEET BETWEEN EDGE OF PAVEMENT AND DRUMS FOR ONE WAY TRAFFIC DURING CONSTRUCTION

LEGEND

- TRAFFIC CHANNELIZING DEVICE
- ⊣ FACE OF SIGN
- ↑ LANE USE ARROW
- ⊣ FLAGGER
- ▨ WORK AREA
- ▨ DETECTABLE BARRIAGE



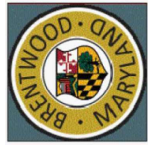
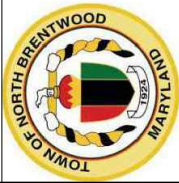
MOT PLAN WINDOM ROAD BARRIER PARK

NOT TO SCALE

Professional certification: I hereby certify that these documents were prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the State of Maryland  
License No.: 23821 Expiration Date: 2-17-2024

**MISS UTILITY**  
BEFORE YOU DIG, CALL MISS UTILITY AT 800-4-A-UTILITY (800-428-8788) OR VISIT MISS-UTILITY.COM. MISS UTILITY IS THE ONLY SERVICE THAT PROVIDES A FREE, 24-HOUR, NATION-WIDE SERVICE TO HELP YOU IDENTIFY ALL UTILITIES BEFORE YOU DIG. MISS UTILITY IS THE ONLY SERVICE THAT PROVIDES A FREE, 24-HOUR, NATION-WIDE SERVICE TO HELP YOU IDENTIFY ALL UTILITIES BEFORE YOU DIG.





TOWNS OF  
BRENTWOOD AND  
NORTH  
BRENTWOOD  
HISTORIC  
BARRIER PARK

DESIGN: MC  
DRAWN: JJ  
REVIEW:  
CONSULTANT:

**ECOSITE, INC.**  
Ecologically Sustainable Design  
4600 POWDER MILL RD  
STE 450-S16  
BETHESDA, MD 20814-2795  
PHONE: (410) 304-8000

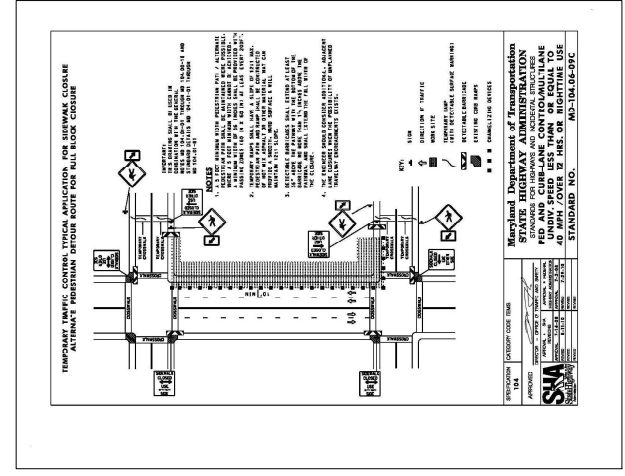
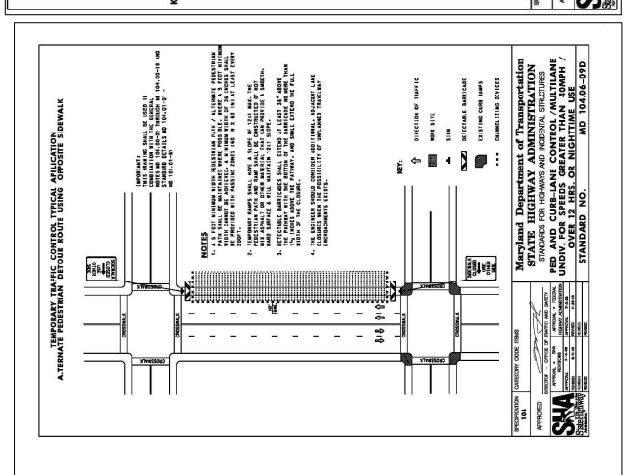
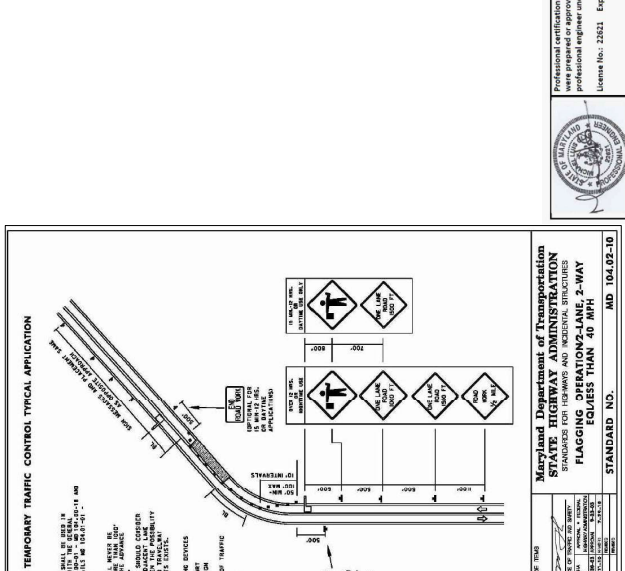
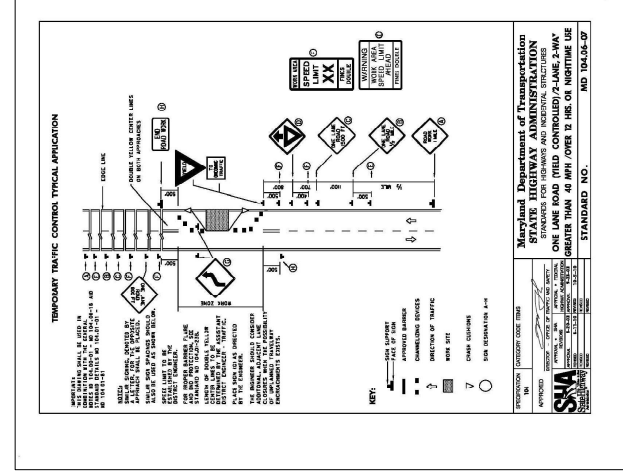
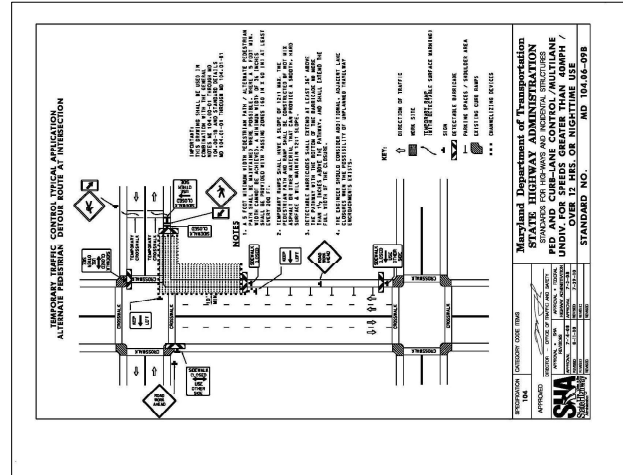
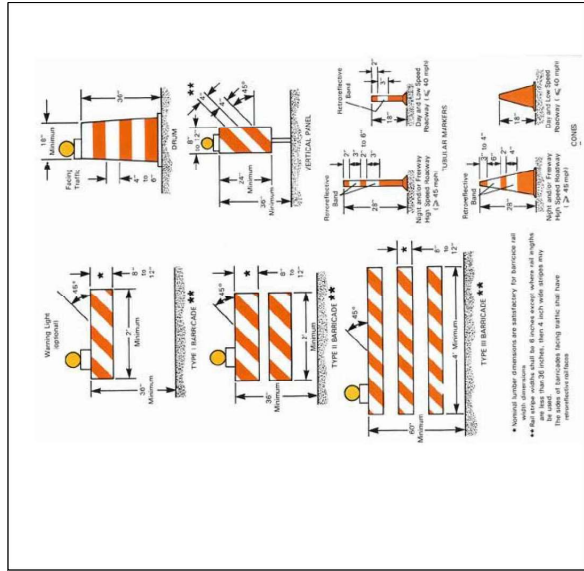
SHEET TITLE  
NOTES & DETAILS

DATE: 11/26/2023

REVISIONS

SHEET NO.

**C-6**



Professional certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.  
License No.: 2321 Expiration Date: 2-17-2024

Maryland Department of Transportation  
STATE HIGHWAY ADMINISTRATION  
FLAGGING OPERATIONS-LANE 2-WAY  
EQUIVALENT TO 40 MPH  
STANDARD NO. MD 104-02-10

APPROVED: [Signature]  
DATE: 11/26/2023

Maryland Department of Transportation  
STATE HIGHWAY ADMINISTRATION  
FLAGGING OPERATIONS-LANE 2-WAY  
EQUIVALENT TO 40 MPH  
STANDARD NO. MD 104-02-09B

APPROVED: [Signature]  
DATE: 11/26/2023

Maryland Department of Transportation  
STATE HIGHWAY ADMINISTRATION  
FLAGGING OPERATIONS-LANE 2-WAY  
EQUIVALENT TO 40 MPH  
STANDARD NO. MD 104-02-07

APPROVED: [Signature]  
DATE: 11/26/2023



GENERAL

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OR START OF CONSTRUCTION.
2. NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED OR OTHERWISE REDUCED IN STRENGTH WITHOUT THE PRIOR NOTIFICATION OF THE STRUCTURAL ENGINEER.
3. THE GENERAL CONTRACTOR SHALL COORDINATE ALL OTHER DISCIPLINES FOR ANY ITEMS WHICH EFFECT THE STRUCTURAL DRAWINGS.
4. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING, GUY WIRES, ETC., WHERE NECESSARY TO ADEQUATELY RESIST ALL CONSTRUCTION LOADS.

DESIGN CRITERIA

1. STRUCTURAL DESIGN SHALL BE IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE FOLLOWING CODE, STANDARDS AND SPECIFICATIONS:
  - a. INTERNATIONAL BUILDING CODE (IBC) 2018
  - b. ASCE 7-16 MIN. DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
  - c. ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
  - d. AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
  - e. AWS D1.1 STRUCTURAL WELDING CODE - STEEL.
2. SUPERIMPOSED DESIGN LOADS:
  - a. DEAD LOADS:
    - SCULPTURE SELF WT: 1000 LBS
  - b. LIVE LOADS (MIN):
    - POINT LOAD: 300 LBS
  - c. ASCE 7-16 RISK CATEGORY = II
  - d. WIND LOADS:
    - WIND SPEED: 115 MPH
    - EXPOSURE: B
    - EDGE DISTANCE (a): 3.0 FEET
3. FOUNDATION: SPREAD & WALL FOOTINGS
  - a. ASSUMED ALLOWABLE BEARING PRESSURE: 1,500 PSF (CONTRACTOR TO CONFIRM ASSUMPTION)
  - b. ASSUMED INTERNAL ANGLE OF FRICTION: 30 DEGREES
  - c. ASSUMED UNIT WEIGHT OF SOIL (ABOVE WATER TABLE): 125 PCF

CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE, HAVING A DESIGN COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:
  - a. FOOTINGS, PILE CAPS, GRADE BEAMS AND PIERS 4,000 PSI, NW
2. NO CONCRETE SHALL BE PLACED UNTIL CONCRETE DESIGN MIXES HAVE BEEN SUBMITTED FOR EACH CLASS OF CONCRETE AND HAVE BEEN REVIEWED BY THE ENGINEER.
3. USE A WATER REDUCING ADMIXTURE IN ALL CONCRETE.
4. SLUMP SHALL BE AS REQUIRED BY ACI 302 - LATEST EDITION.
5. AIR ENTRAIN ALL CONCRETE EXPOSED TO WEATHER 5% ±1%.
6. EXCAVATIONS SHALL BE KEPT FREE OF WATER. NO CONCRETE SHALL BE PLACED IN WATER.
7. CHAMFER ALL EDGES OF BEAMS, COLUMNS, HAUNCHES, WALLS EQUIPMENT PADS AND SLABS EXPOSED TO VIEW 3/4" UNLESS OTHERWISE NOTED.
8. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
9. TERMINATE ALL DISCONTINUED TOP BARS WITH 90 DEGREE STANDARD HOOK UNLESS OTHERWISE NOTED.
10. PROVIDE THE FOLLOWING MINIMUM CONCRETE COVER UNLESS NOTED OTHERWISE:
  - a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
  - b. CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
    - #5 BARS AND SMALLER 1 1/2"
    - #6 BARS AND LARGER 2"
11. REINFORCING BAR SUPPORTS AND SPACERS SHALL CONFORM TO ACI 315-(LATEST EDITION) DETAILING MANUAL.

FOUNDATION

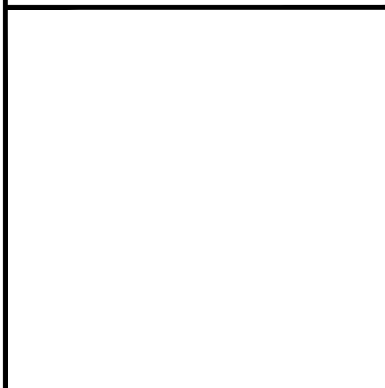
1. ALL FOUNDATIONS SHALL BEAR ON 6" OF #57 STONE OVER UNDISTURBED SOIL WITH AN ALLOWABLE BEARING CAPACITY 1500 PSF ASSUMED. CONTRACTOR SHALL VERIFY BEARING CAPACITY
2. CONCRETE SHALL NOT BE POURED ON FROZEN GROUND.
3. FILL ALL VOIDS AND REPLACE DISTURBED SOIL WITH LEAN CONCRETE.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
  - a. CHANNELS, ANGLES, BARS & PLATES: A36, Fy = 36 KSI.
  - b. SQUARE AND RECTANGULAR HSS: A500, GRADE C, Fy = 50 KSI.
3. BOLTS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
  - a. HIGH STRENGTH BOLTS: ASTM F315 GRADE 325
  - b. STAINLESS STEEL HIGH STRENGTH BOLTS: (SS) F593
4. WELDING SHALL BE IN ACCORDANCE WITH AWS STRUCTURAL WELDING CODE (AWS D1.1) AND SHALL BE PERFORMED BY CERTIFIED WELDERS. ALL WELDS SHALL BE MADE WITH AWS A5.1 E-70XX ELECTRODES.
5. NO PENETRATIONS ARE PERMITTED THROUGH STRUCTURAL STEEL MEMBERS UNLESS INDICATED ON STRUCTURAL DRAWINGS OR APPROVED BY ARCHITECT/ENGINEER.
6. APPROVAL OF THE ARCHITECT/ENGINEER SHALL BE MANDATORY FOR THE USE OF CUTTING TORCH IN THE FIELD.
7. ALL GROUT UNDER STEEL PLATES SHALL BE NON-SHRINK "PRE-MIX" TYPE AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
8. ALL STEEL & CONNECTIONS EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED ACCORDING TO ASTM A123. ALL WELDS CREATED AFTER GALVANIZING SHALL BE COATED WITH A ZINC RICH PAINT.

SCULPTURE MATERIALS

1. FORM SCULPTURE WITH EXPANDED POLYSTYRENE (EPS) MEETING ONE OF THE FOLLOWING REQUIREMENTS:
  - a. EPS15 GEOFOAM IN ACCORDANCE WITH ASTM D6817
  - b. EPS WITH A MINIMUM DENSITY OF 0.9 PCF, AND 3.6 PSI STRENGTH @ 1% COMPRESSION.
2. BOND EPS WITH LOCTITE PL 300 FOAMBOARD CONSTRUCTION ADHESIVE. FOLLOW THE MANUFACTURER'S INSTRUCTIONS.
3. COAT EPS WITH FREE FORM HABITAT BLACK WITH A MINIMUM COMPRESSIVE STRENGTH OF 14390 PSI. PROVIDE A MINIMUM THICKNESS OF 1/4". APPLY AND CURE PER THE MANUFACTURER'S INSTRUCTIONS.



PROFESSIONAL CERTIFICATION

Professional Certification:  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 23393 Expiration Date: 08/25/2024.



3500 BOSTON STREET  
SUITE 329  
BALTIMORE, MD 21224  
410-522-5870

DESIGNED BY: RT  
DRAWN BY: RT  
CHECKED BY: RLA  
PROJECT NO.: 2023-002.03

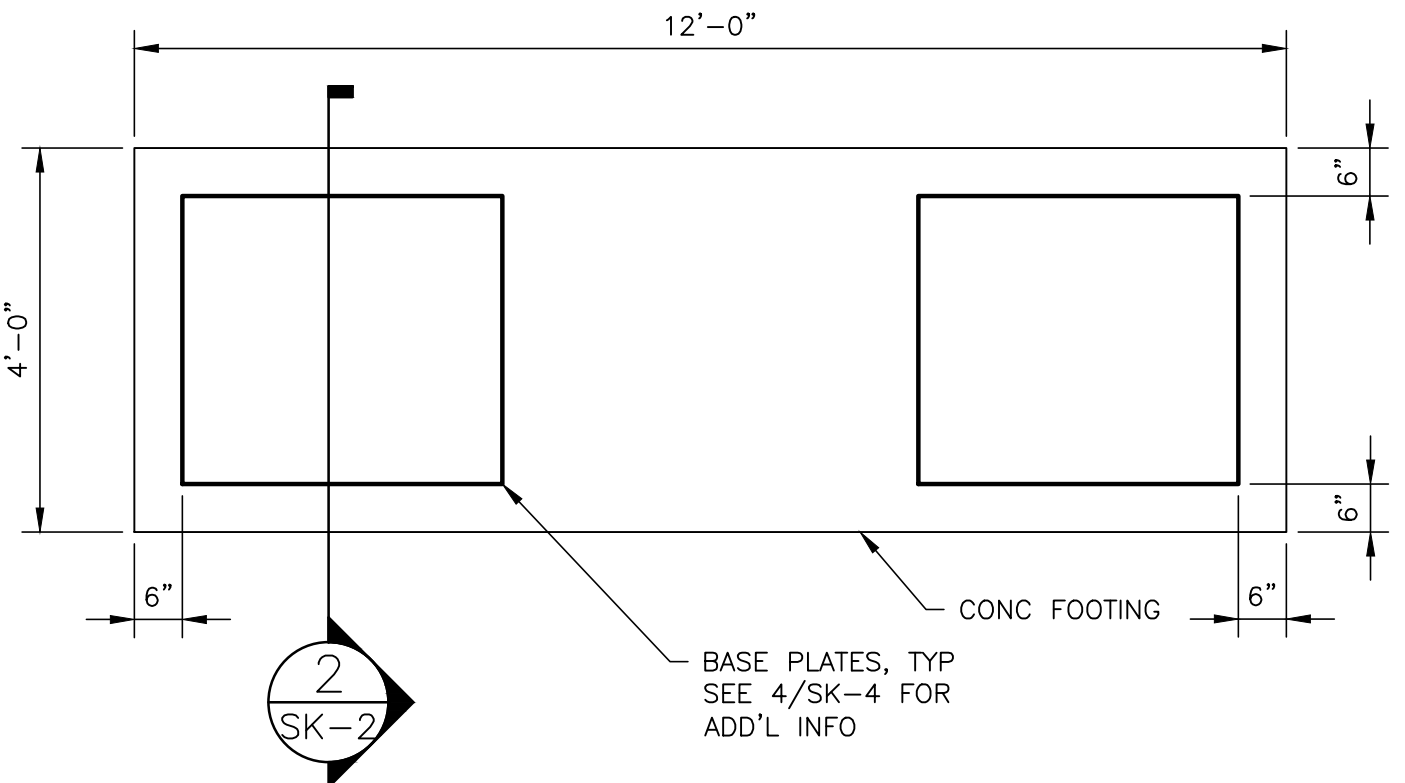
WINDOM ROAD  
HISTORIC BARRIER PARK  
  
PRINCE GEORGES COUNTY  
MARYLAND

WINDOM ROAD HISTORIC BARRIER PARK  
BARRIER SCULPTURE  
  
GENERAL NOTES  
  
SCALE: AS NOTED DATE : 08/14/2023

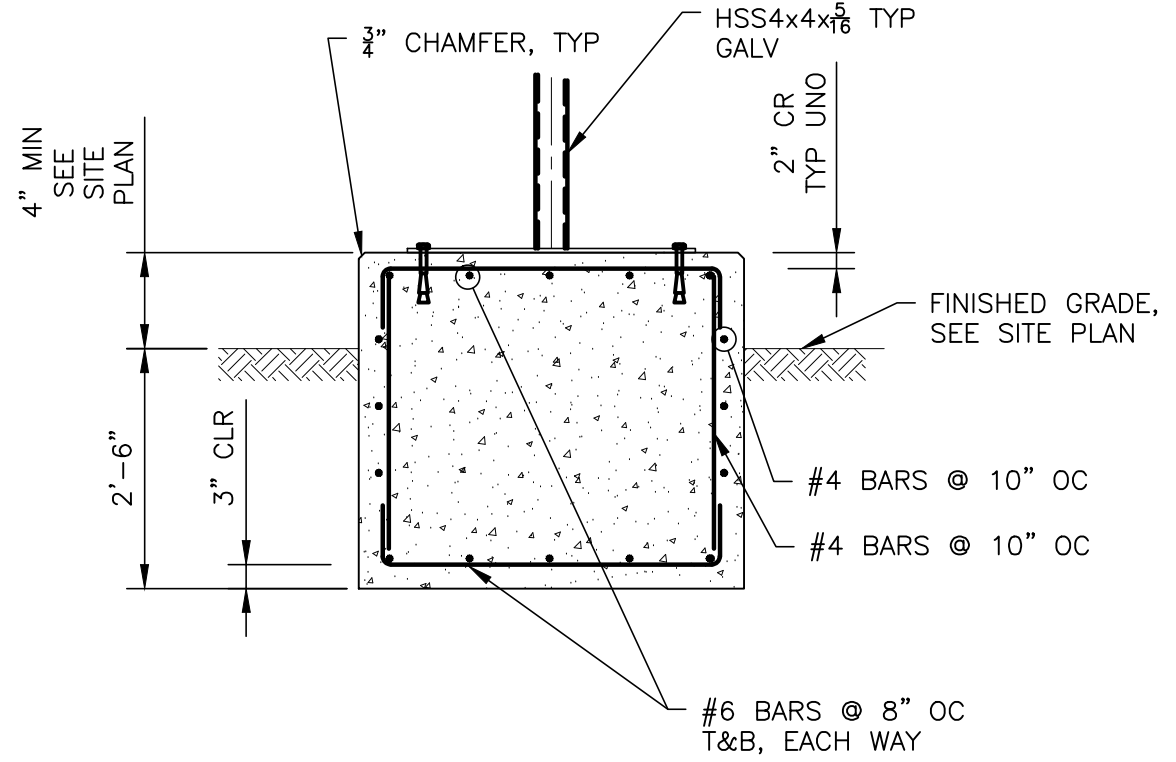
SK-1  
  
SHEET 1 OF 5



NOTE: STEEL  
BASEPLATE & FRAME BY  
OTHERS- NOT IN  
CONTRACT.



**1 FOUNDATION PLAN**  
SK-2 SCALE: 1/2" = 1'-0"



**2 FOUNDATION AND PIER SECTION**  
SK-2 SCALE: 1/2" = 1'-0"

PROFESSIONAL CERTIFICATION

Professional Certification:  
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 23393 Expiration Date: 08/25/2024.



3500 BOSTON STREET  
SUITE 329  
BALTIMORE, MD 21224  
410-522-5870

DESIGNED BY: RT  
DRAWN BY: RT  
CHECKED BY: RLA  
PROJECT NO.: 2023-002.03

WINDOM ROAD  
HISTORIC BARRIER PARK  
PRINCE GEORGES COUNTY  
MARYLAND

WINDOM ROAD HISTORIC BARRIER PARK  
BARRIER SCULPTURE  
FOUNDATION PLAN AND SECTION

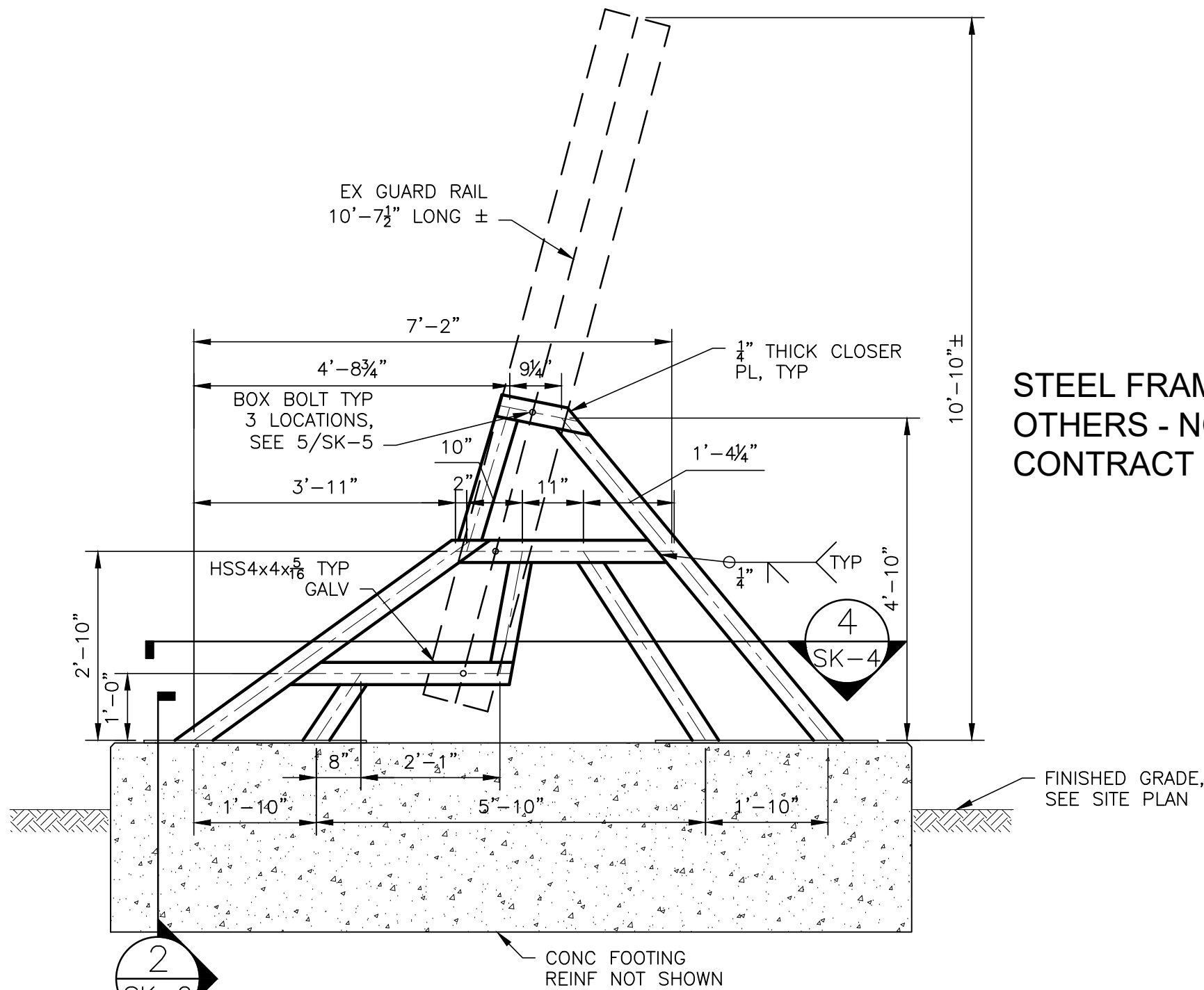
SCALE: AS NOTED

DATE : 08/14/2023

SK-2

SHEET 2 OF 5





2  
SK-2

3  
SK-3 STEEL FRAME  
SCALE: 1/2" = 1'-0"

PROFESSIONAL CERTIFICATION  
 Professional Certification:  
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 23393 Expiration Date: 08/25/2024.

**ALBRECHT**  
 ENGINEERING INC  
 3500 BOSTON STREET  
 SUITE 329  
 BALTIMORE, MD 21224  
 410-522-5870

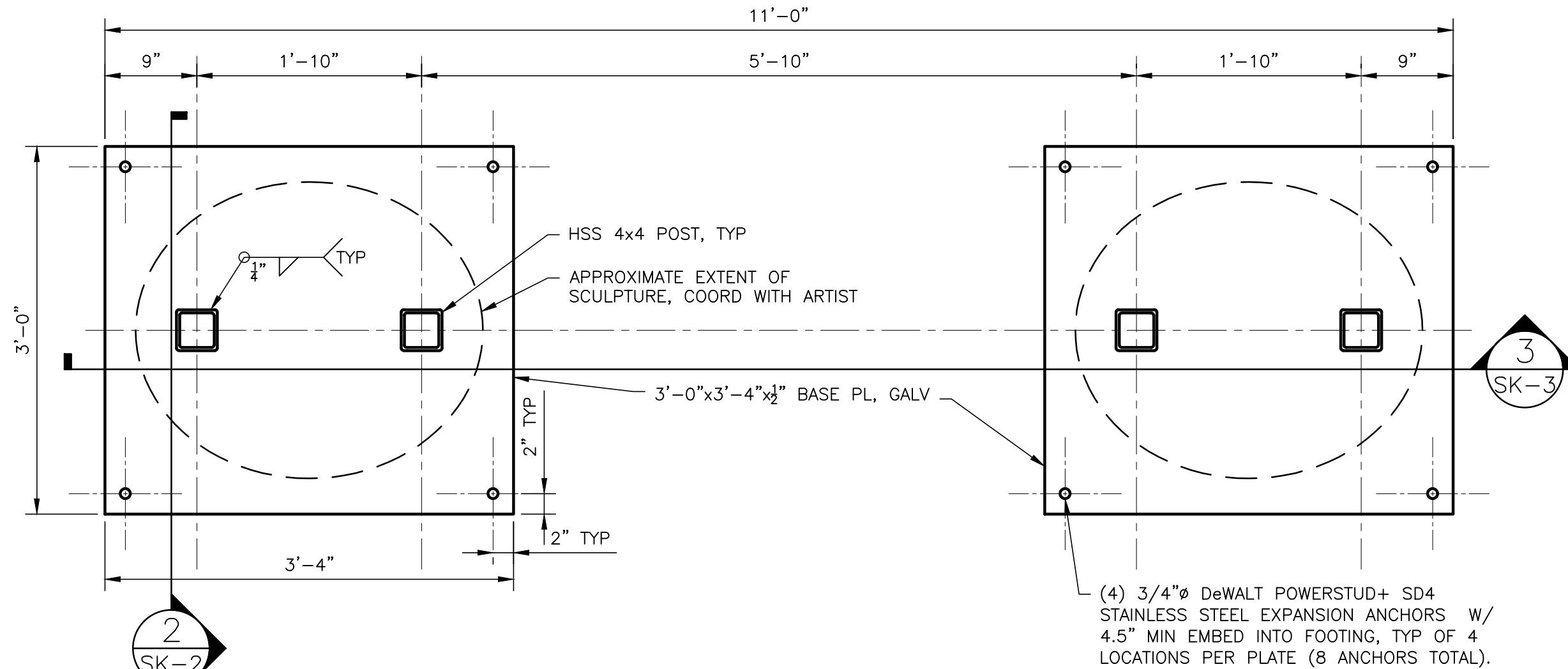
DESIGNED BY: RT  
 DRAWN BY: RT  
 CHECKED BY: RLA  
 PROJECT NO.: 2023-002.03

WINDOM ROAD  
 HISTORIC BARRIER PARK  
 PRINCE GEORGES COUNTY  
 MARYLAND

WINDOM ROAD HISTORIC BARRIER PARK  
 BARRIER SCULPTURE  
 SCULPTURE FRAME  
 SCALE: AS NOTED  
 DATE : 08/14/2023


SK-3  
 SHEET 3 OF 5





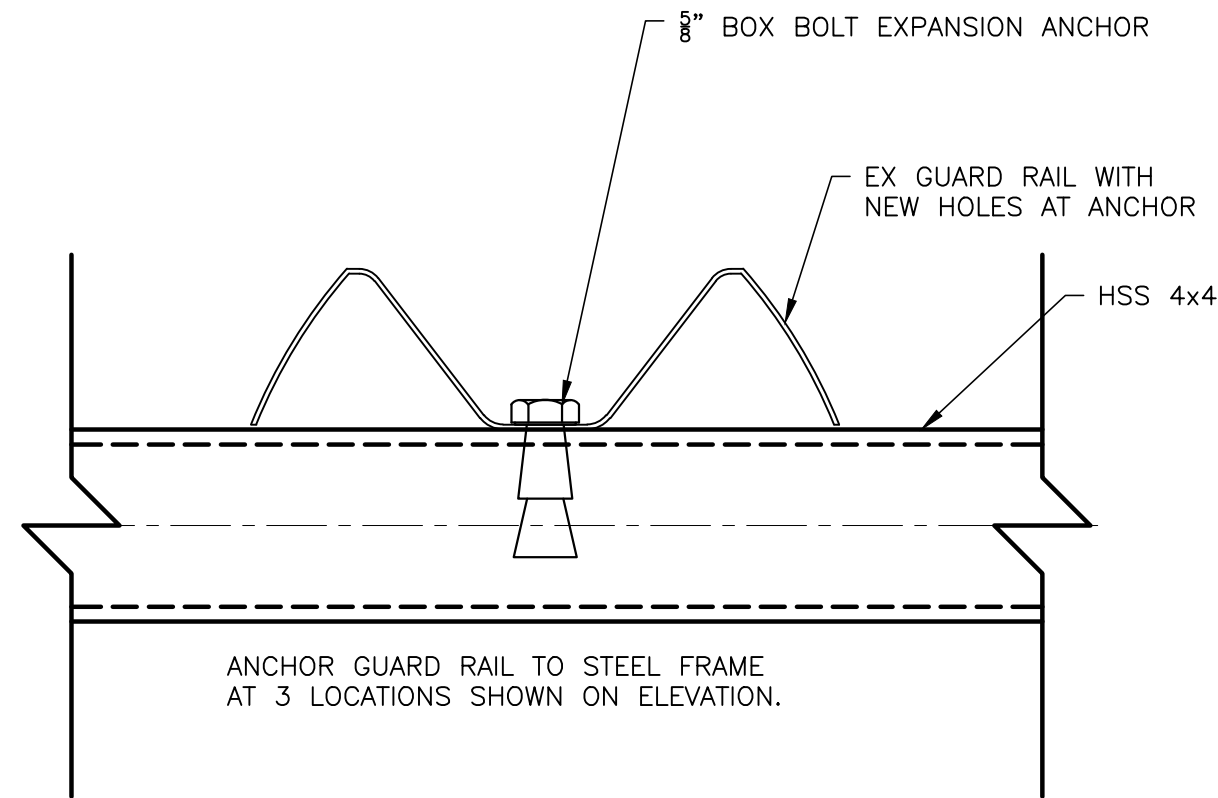
**4 BASE PLATE**  
 SK-4 SCALE: 1" = 1'-0"

**CONTRACTOR RESPONSIBLE FOR ANCHOR BOLTS. BASE PLATES BY OTHERS.**

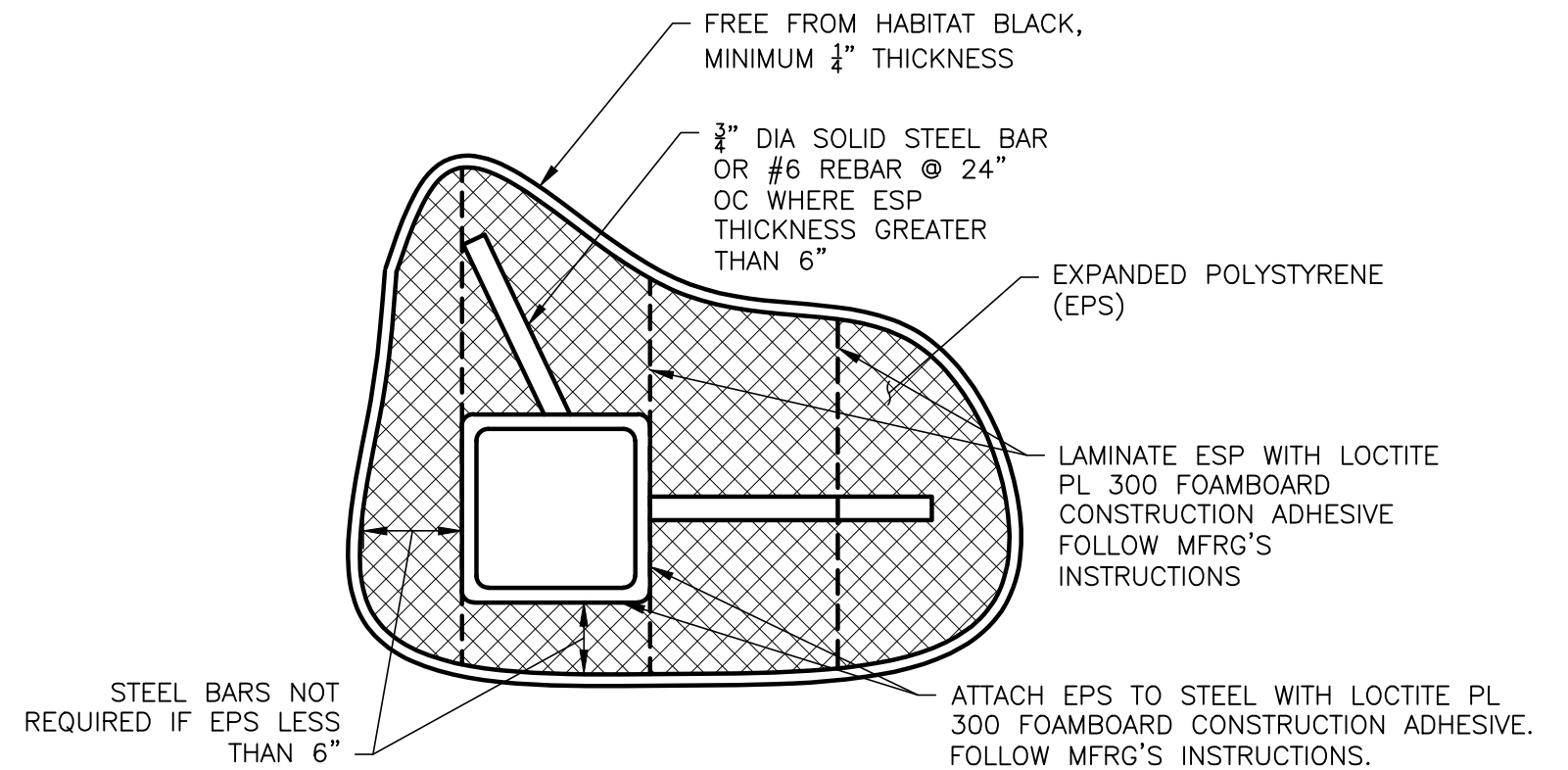
<p>PROFESSIONAL CERTIFICATION</p> <p>Professional Certification:          I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 23393 Expiration Date: 08/25/2024.</p>	 <p>3500 BOSTON STREET          SUITE 329          BALTIMORE, MD 21224          410-522-5870</p>	<p>DESIGNED BY: RT          DRAWN BY: RT          CHECKED BY: RLA          PROJECT NO.: 2023-002.03</p>	<p>WINDOM ROAD          HISTORIC BARRIER PARK          PRINCE GEORGES COUNTY          MARYLAND</p>	<p>WINDOM ROAD HISTORIC BARRIER PARK          BARRIER SCULPTURE  <b>SCULPTURE SECTIONS &amp; DETAILS</b>          SCALE: AS NOTED          DATE : 08/14/2023</p>	<p><b>SK-4</b>          SHEET 4 OF 5</p>
---	--	---	--	--	--




BY OTHERS - NOT IN CONTRACT



**5** GUARD RAIL ATTACHMENT  
SK-5 SCALE: 3" = 1'-0"



**6** POLYSTYRENE ATTACHMENT  
SK-5 SCALE: 3" = 1'-0"

<p>PROFESSIONAL CERTIFICATION</p> <p>Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland License No. 23393 Expiration Date: 08/25/2024.</p>	 <p>3500 BOSTON STREET SUITE 329 BALTIMORE, MD 21224 410-522-5870</p>	DESIGNED BY: RT	<p>WINDOM ROAD HISTORIC BARRIER PARK</p> <p>PRINCE GEORGES COUNTY MARYLAND</p>	<p>WINDOM ROAD HISTORIC BARRIER PARK BARRIER SCULPTURE</p> <p>SCULPTURE SECTIONS &amp; DETAILS</p> <p>SCALE: AS NOTED</p>	<p>SK-5</p> <p>SHEET 5 OF 5</p>
		DRAWN BY: RT			
		CHECKED BY: RLA			
		PROJECT NO.: 2023-002.03			
		<p>DATE : 08/14/2023</p>			