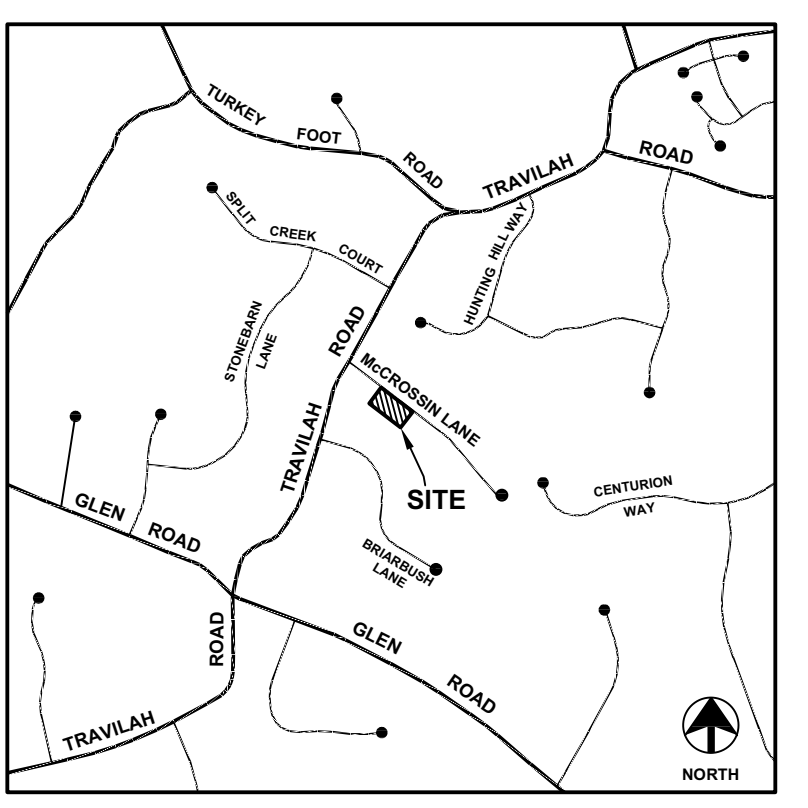
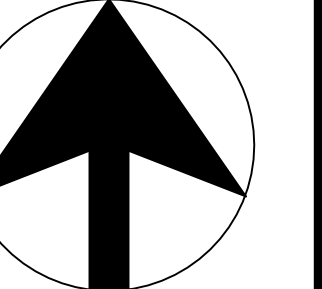


PREPARED FOR:
Malika Luthra & Arjun Luthra
 14337 Potomac Heights Lane
 Rockville, MD 20850
 (301) 728-4884
 malikaluthra@gmail.com
 arjunluthra@gmail.com

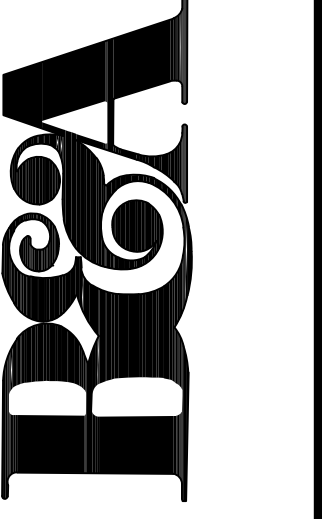


SC / SWM
 Sheet 1 of 3
 Revisions



date: 01/05/2024
 scale: 1" = 30'

Benning & Associates, Inc.
 Lead Planning Consultants
 8933 Shady Grove Court
 Gaithersburg, MD 20877
 (301) 948-0240



ENGINEERED SEDIMENT CONTROL & STORMWATER MANAGEMENT PLAN
 12420 McCrossin Lane
 Election District 13
 Parcel 175, Tax Map ER561
 Montgomery County, MD.

TREE CANOPY REQUIREMENTS TABLE																			
Exempt: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If exempt under Section 55-5 of the Code, please list the applicable exemption category below this table.																			
Total Property Area 90,235 square feet	Total Disturbed Area 60,133 square feet																		
Shade Trees Required 23	Shade Trees Proposed 39																		
Fee in Lieu 0 x \$250	\$ 0																		
Required Number of Shade Trees Area (sq. ft.) of the Limits of Disturbance <table border="1"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>Number of Shade Trees Required</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>6,000</td> <td>3</td> </tr> <tr> <td>6,001</td> <td>8,000</td> <td>6</td> </tr> <tr> <td>8,001</td> <td>12,000</td> <td>9</td> </tr> <tr> <td>12,001</td> <td>14,000</td> <td>12</td> </tr> <tr> <td>14,001</td> <td>40,000</td> <td>15</td> </tr> </tbody> </table> If the square footage of the limits of disturbance is more than 40,000, then the number of shade trees required must be calculated using the following formula: (Number of Square Feet in Limits of Disturbance - 40,000) x 15		FROM	TO	Number of Shade Trees Required	1	6,000	3	6,001	8,000	6	8,001	12,000	9	12,001	14,000	12	14,001	40,000	15
FROM	TO	Number of Shade Trees Required																	
1	6,000	3																	
6,001	8,000	6																	
8,001	12,000	9																	
12,001	14,000	12																	
14,001	40,000	15																	
EXEMPTION CATEGORIES: <input type="checkbox"/> 55-50) any activity that is subject to Article II of Chapter 22A. <input type="checkbox"/> 55-50) any commercial logging or timber harvesting operation with an approved exemption from Article II of Chapter 22A. <input type="checkbox"/> 55-50) any activity conducted by the County Parks Department. <input type="checkbox"/> 55-50) routine or emergency maintenance of an existing stormwater management facility, including an existing access road, if the person performing the maintenance has obtained all required permits. <input type="checkbox"/> 55-50) any abatement or restoration project if the person performing the work has obtained all necessary permits. <input type="checkbox"/> 55-50) cutting or clearing any tree to comply with applicable provisions of any federal, state, or local law governing safety of dams. <input type="checkbox"/> OTHER: Specify per Section 55-5 of the Code.																			
TREE CANOPY PLANTING REQUIREMENT IS MET WITH MITIGATION PLANTING OF 39 TREES ON APPROVED M-NCPPC TREE SAVE PLAN.																			

SHEET INDEX:
 1. Main Plan, Approval Blocks, Sequence of Construction
 2. SWM Computations, Plan View, Drainage Map
 3. Details and Tree Canopy Planting

SITE NOTES:
 Property Size - 90,235 sf
 Zoning - RE-2
 Property Description - P175; L.67158 F.371
 Type of Development: New Development

LEGEND:

- CANOPY COVERAGE
- CRITICAL ROOT ZONE
- DIVERSION FENCE
- DRYWELL W/ CLEANOUT
- EXISTING BUILDING
- EXISTING TREE ON-SITE LESS THAN 24" DBH
- CONTOUR (2' INTERVAL)
- LANDSCAPE INFILTRATION
- LIMITS-OF-DISTURBANCE
- MICRO INFILTRATION TRENCH
- OVERHEAD LINES (EX.)
- PEA GRAVEL DIAPHRAGM
- PROPERTY LINE (SUBJECT)
- PROPERTY LINE
- PROPOSED BUILDING
- PROPOSED CONTOUR
- ROOT PRUNING
- SEPTIC OUTLINE
- SEPTIC TRENCHES
- SIGNIFICANT TREE
- SPECIMEN TREE
- SOIL BORING TEST SITE
- STABILIZED CONSTRUCTION ENTRANCE
- SUPER SILT FENCE
- TREE PROTECTION FENCE / SIGNS
- TREE TO BE REMOVED
- UTILITY POLE (EX.)
- UNDERGROUND UTILITY (New)
- WATER HOUSE CONNECTION
- WELL SITE W/ 100' NON-POLLUTION RADIUS

SEQUENCE OF CONSTRUCTION

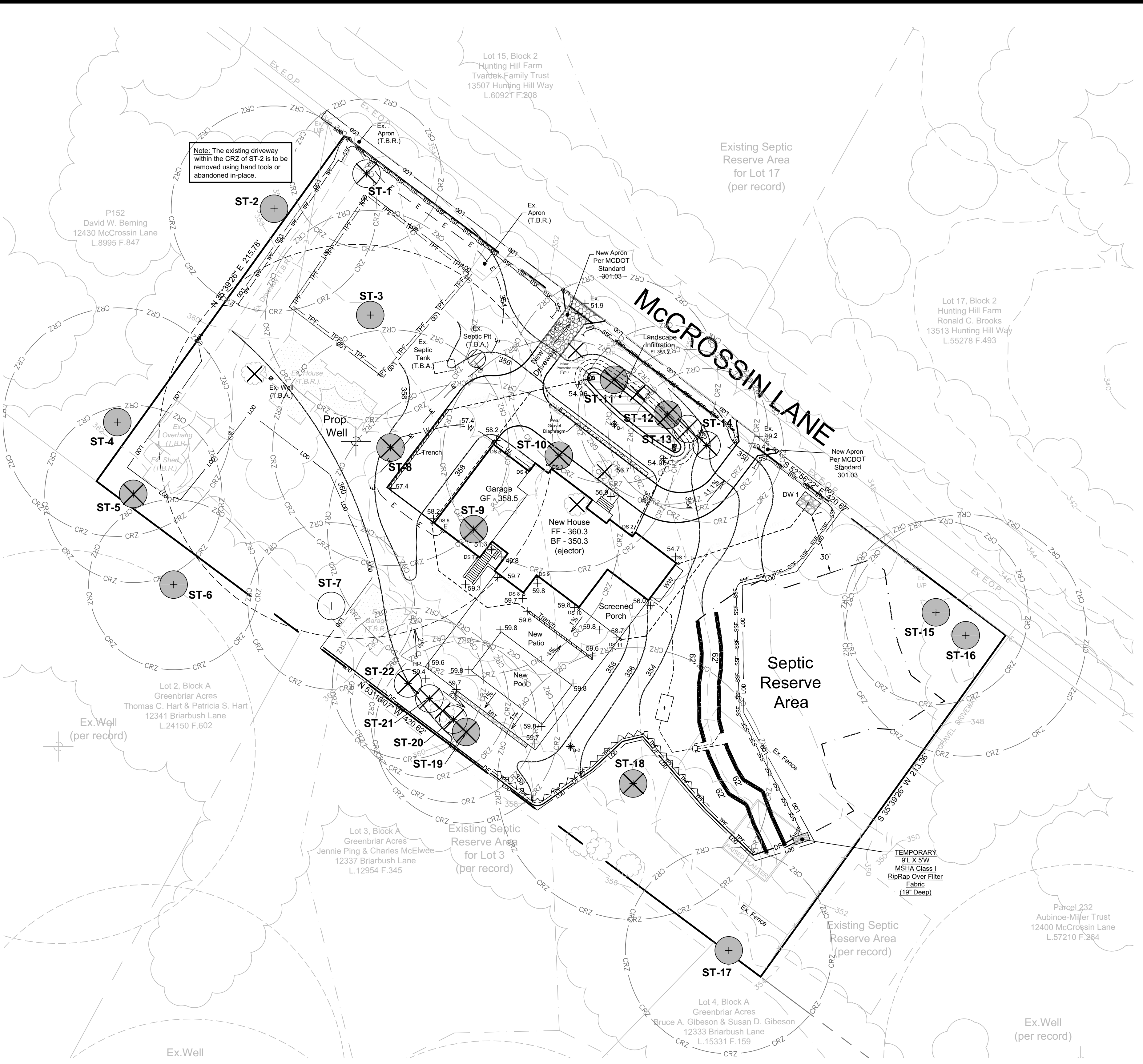
- Prior to clearing trees, installing sediment control measures, or grading, a pre-construction meeting must be conducted on-site with the Montgomery County Department of Permitting Services (MCDPS) Sediment control inspector (240) 777-0311 (48 hours notice) and the MNCPPC Planning Department, Plans Enforcement Inspector (301) 495-4550 (48 hours notice), the Owner's representative, and the Site Engineer. In order for the meeting to occur, the applicant must provide one paper set of approved sediment control plans to the MCDPS sediment control inspector at the pre-construction meeting. If no plans are provided, the meeting shall not occur and will need to be rescheduled prior to commencing any work.
- The limits of disturbance must be field marked prior to clearing of trees, installation of sediment control measures, construction, or other land disturbing activities.
- Clear and grade for installation of sediment control devices.
- Install sediment control devices, to include super silt fence, diversion fence and stabilized construction entrance.
- Once the sediment control devices are installed, the permittee must obtain written approval from the MCDPS inspector before proceeding with any additional clearing, grubbing or grading.
- Construct new driveway and construct new house with grading of the site as needed within limit of disturbance. Do not connect downspouts until area around house has been permanently stabilized.
- All pervious areas must be topsoiled per the Erosion and Sediment Control Notes.
- Construct drywells and downspout connections. Any new disturbance near drywells to be stabilized immediately upon completion.
- Prior to the removal of any sediment control device permittee must obtain written approval from MCDPS inspector. Provide inspector with copy of plan with signed Record Drawing and Check-Off List.

RELATED REQUIRED PERMITS

IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE SEDIMENT CONTROL PERMIT					
TYPE OF PERMIT	RECD.	NOT RECD.	PERMIT #	EXPIRATION DATE	WORK RESTRICTION DATES
MCDPS Floodplain District		x			
WATERWAYS/WETLAND(S):					
a. Corps of Engineers		x			
b. MDE		x			
c. MDE Water Quality Certification		x			
MDE Dam Safety		x			
DPS Roadside Tree Protection Plan	x		397596		APPROVAL DATE: 01/11/24
**N.P.D.E.S. (Notice of Intent)		x			
FEMA LOMR (Required Post-Construction)		x			
Others (Please List)		x			

*A copy of the approved Roadside Tree Protection Plan must be delivered to the sediment control inspector at the pre-construction meeting.
 **When a Notice of Intent is required, the sediment control permit may not be issued until confirmation of authorization under the MDE's 20-C permit has been submitted to DPS.

TECHNICAL REVIEW OF SEDIMENT CONTROL	ADMINISTRATIVE REVIEW	DPS approval of a sediment control or stormwater management plan is for demonstrated compliance with minimum environmental runoff treatment standards and does not create or imply any right to divert or concentrate runoff onto any adjacent property without that property owner's permission. It does not relieve the design engineer or other responsible person of professional liability or ethical responsibility for the adequacy of the drainage design as it affects upland or downland properties.
REVIEWED DATE: Patrick Fitzgerald 04/16/2024	REVIEWED DATE: Patrick Fitzgerald 04/16/2024	290407
TECHNICAL REVIEW OF STORMWATER MANAGEMENT	SMALL LOT DRAINAGE APPROVAL	SEDIMENT CONTROL PERMIT NO.
REVIEWED DATE: Patrick Fitzgerald 04/16/2024	NA: <input checked="" type="checkbox"/> OR	SM. FILE NO.
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED.	NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A MCDPS ACCESS PERMIT.	STORMWATER MANAGEMENT: ESD to the MCDP No walvers - Landscape Infiltration



RECORD DRAWING CERTIFICATION
 *A record set of approved Sediment Control/Stormwater management plans must be maintained on-site at all times. In addition to stormwater management items, these plans must include the number and location of all trees proposed to be planted to comply with the Tree Canopy Law. Any approved modifications or deletions of stormwater practices or tree canopy plantings or information must be shown on this record set of plans and on the Tree Canopy Requirements table. Upon completion of the project, the record set of plans, including the signed Record Drawing Certification, must be submitted to the MCDPS inspector. In addition to this Record Drawing Certification, a formal Stormwater Management As-Built submission is required if it is not required for this project.
 If this project is subject to a Stormwater Management Right of Entry and Maintenance Agreement, that document is recorded in Montgomery County Land Records at: Liber # 67727, Folio # 1. This Record Drawing will serve as referenced in the recorded document.
 A formal Stormwater Management As-Built submission is not required for this project.
 *This record drawing accurately and completely represents the stormwater management practices and tree canopy plantings as they were constructed or planned. All stormwater management practices were constructed per the approved Sediment Control / Stormwater Management plans or subsequent approved revisions.
 Owner / Developer Signature: _____ Date: _____
 FIELD CHECK OF RECORD DRAWING BY MCDPS INSPECTOR: INITIALS _____ DATE: _____

OWNER'S/DEVELOPER'S CERTIFICATION
 I/We hereby certify that all grading, construction, and/or development will be done pursuant to this plan and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project.
 Signature: Arjun Luthra Date: 04/04/2024

DESIGN CERTIFICATION
 I hereby certify that this plan has been prepared in accordance with the 2011 Maryland Standards and Specification for Sediment and Erosion Control, Montgomery County Department of Permitting Services Executive Regulations 5-60, 36-90 and 7-02am, and Montgomery County Department of Public Works and Transportation "Storm Drain Design Criteria" dated April 1988.
 Design Engineer Signature: David W. McKee Date: 04/04/2024
 Printed Name: David W. McKee, RLA Registration Number: 2001

NOTE:
 All staging and stockpiling of materials must be on-site and within the limits of disturbance.

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR DRY WELL/RECHARGE CHAMBER

MANDATORY NOTIFICATION	MCDPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE
1. Excavation for Drywell conforms to approved plans		
2. Placement of backfill, perforated inlet pipe and observation well conforms to approved plans		
3. Placement of geotextile and filter media conforms to approved plans		
4. Connecting pipes, including connection to downspout, constructed per the approved plans		
5. Final grading and permanent stabilization conforms to approved plans		

TOTAL NUMBER OF DRY WELLS INSTALLED PER THIS PERMIT: APPROVED 1 CONSTRUCTED

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR LANDSCAPE INFILTRATION

MANDATORY NOTIFICATION	MCDPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE
1. Excavation to subgrade conforms to approved plans		
2. Placement of backfill and observation well conforms to approved plans		
3. Placement of filter fabric, soil, and gravel media conforms to approved plans		
4. Construction of appurtenant conveyance structures conforms to approved plans		
5. Final grading and establishment of permanent stabilization conforms to approved plans		

TOTAL NUMBER OF LANDSCAPE INFILTRATION FACILITIES INSTALLED PER THIS PERMIT: APPROVED 1 CONSTRUCTED

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR MICRO INFILTRATION TRENCH

MANDATORY NOTIFICATION	MCDPS INSPECTOR INITIALS/DATE	OWNER/DEVELOPER INITIALS/DATE
1. Excavation for Micro Infiltration Trench conforms to approved plans		
2. Placement of backfill conforms to approved plans		
3. Placement of geotextiles and filter media conforms to approved plans		
4. Final grading and permanent stabilization conforms to approved plans		

TOTAL NUMBER OF MICRO INFILTRATION TRENCHES INSTALLED PER THIS PERMIT: APPROVED 1 CONSTRUCTED

David William McKee
 Digitally signed by David William McKee
 Date: 2024.04.04 09:02:10 -04'00'

Drainage Statement:
 I understand the DPS approval of this sediment control / stormwater management plan is for demonstrated compliance with required environmental runoff treatment standards. The DPS sediment control / stormwater management plan approval does not relieve me of professional responsibility. I have analyzed the proposed design for sediment control, erosion control, and tree canopy plantings, based upon my background, training and experience. I have determined that the proposed improvements shown on this plan meet relevant laws and regulations. I further acknowledge that I have analyzed the post development drainage patterns for this project from the standpoint of my responsibilities under current Maryland Law and have determined that if permission is required from adjacent property owners, it has been obtained and that all necessary permits have been made available to DPS.
 Engineer Signature: David W. McKee Date: 04/04/2024
 Printed Name: David W. McKee, RLA Registration Number: 2001

Professional Certification:
 I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed landscape architect registered to practice in the State of Maryland.
 Signature: _____ Date: 04-04-2024 Exp. Date: 10-21-2024

SOURCE OF TWO-FOOT CONTOUR INTERVAL TOPOGRAPHY:
 GOODE SURVEYS, LLC.
 PO BOX 599
 DAMASCUS, MD 20872
 301-368-3700

