











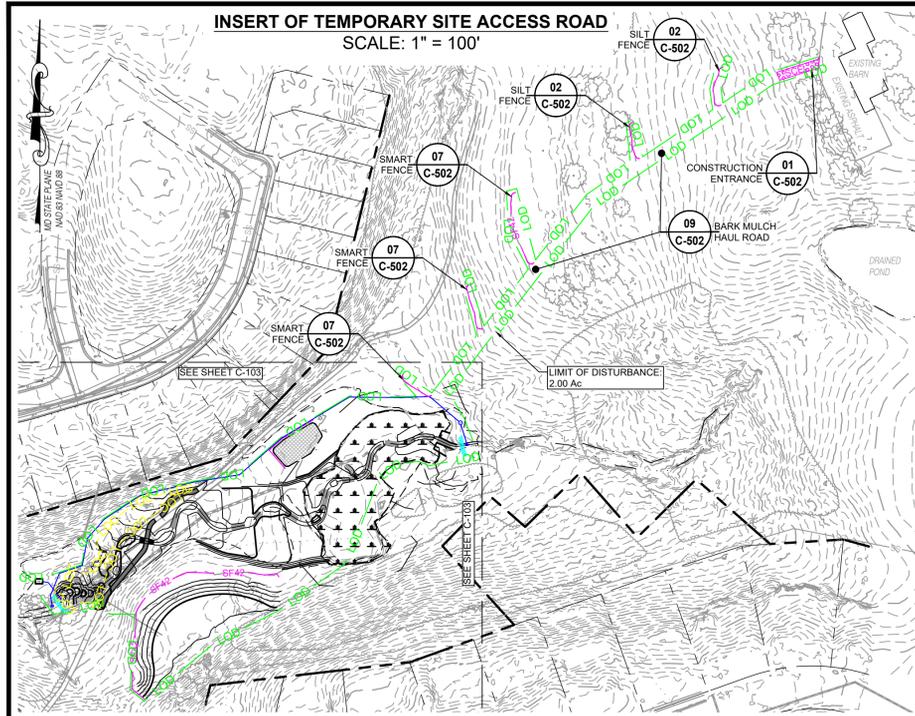
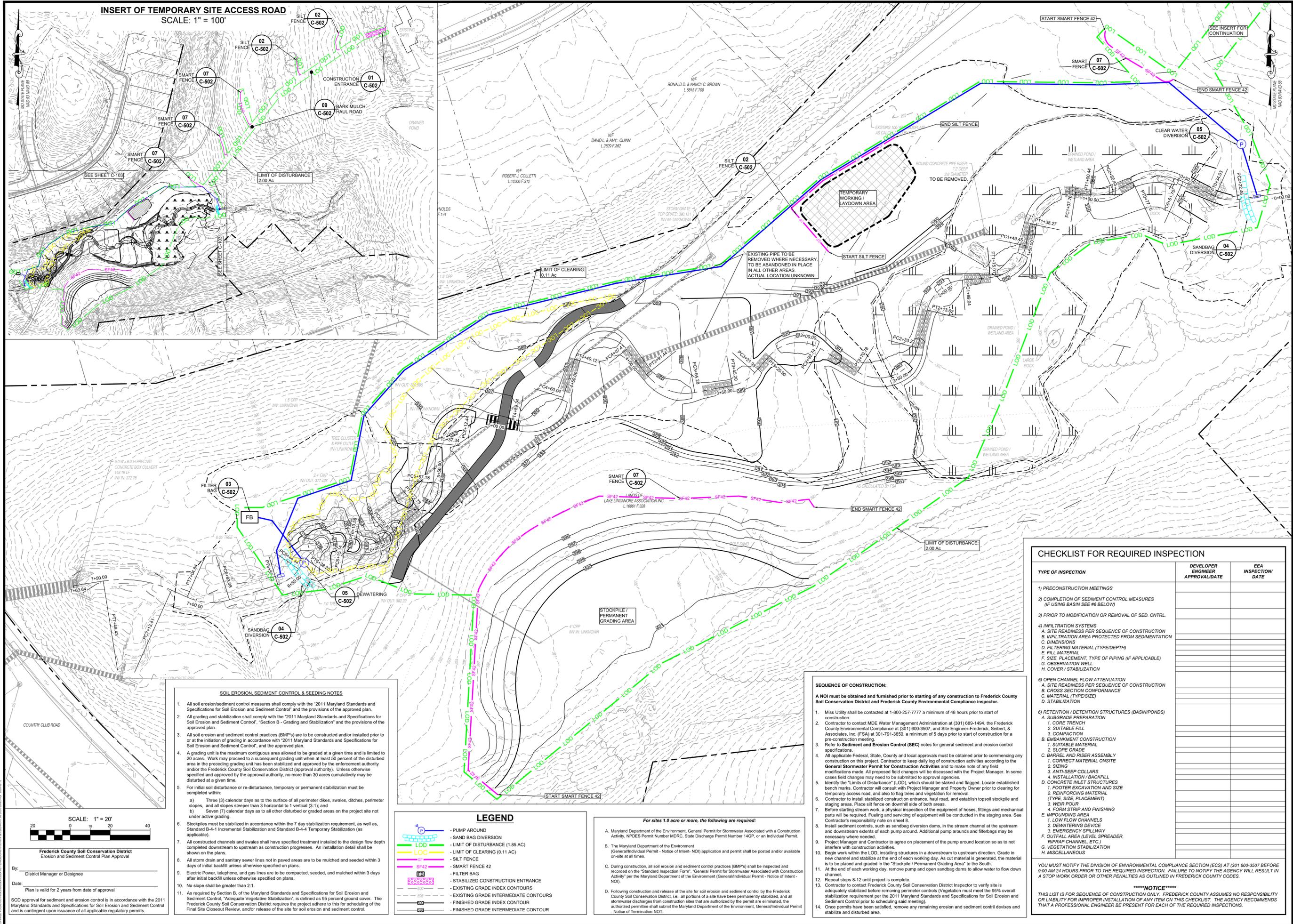
Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of Maryland. License # 2085. Expiration Date: 02/12/2026.

**FSA**  
FREDERICK SEIBERT & ASSOCIATES, INC.  
CIVIL ENGINEER • SURVEYOR • LANDSCAPE ARCHITECTS • LAND PLANNERS  
1116 MILLBROOK DRIVE  
FREDERICK, MARYLAND 21702  
TEL: 301.791.8000  
FAX: 301.791.8001  
WWW.FSA-INC.COM

DATE: \_\_\_\_\_  
MARK: \_\_\_\_\_  
DESCRIPTION: \_\_\_\_\_

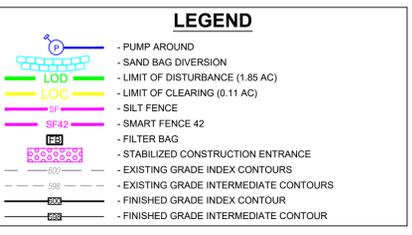
**WEST WINDS STREAM RESTORATION**  
COUNTRY CLUB ROAD  
NEW MARKET, MARYLAND  
FREDERICK COUNTY, MARYLAND  
LAKE LANGRONE ASSOCIATION INC.  
8718 COLDSTREAM DRIVE, NEW MARKET, MD 21774  
301.831.6640 EXT. 112

PROJECT NO: 2024-0317  
DATE: 5-7-2025  
DWN BY: TCH  
PROJECT MANAGER: KDM  
EMAIL: KMOORE@fse-inc.com  
TAX MAP: GRD - PARCEL  
09 - 22 - 29  
SCALE: AS SHOWN  
SHEET TITLE: ESC PLAN  
C-103  
SHEET 05 OF 08



**SOIL EROSION, SEDIMENT CONTROL & SEEDING NOTES**

- All soil erosion/sediment control measures shall comply with the "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control" and the provisions of the approved plan.
- All grading and stabilization shall comply with the "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control", "Section B - Grading and Stabilization" and the provisions of the approved plan.
- All soil erosion and sediment control practices (BMPs) are to be constructed and/or installed prior to or at the initiation of grading in accordance with "2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control", "Section B - Grading and Stabilization" and the provisions of the approved plan.
- A grading unit is the maximum contiguous area allowed to be graded at a given time and is limited to 20 acres. Work may proceed to a subsequent grading unit when at least 50 percent of the disturbed area in the preceding grading unit has been stabilized and approved by the enforcement authority and/or the Frederick County Soil Conservation District (approval authority). Unless otherwise specified and approved by the approval authority, no more than 30 acres cumulatively may be disturbed at a given time.
- For initial soil disturbance or re-disturbance, temporary or permanent stabilization must be completed within:
  - Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all slopes steeper than 3 horizontal to 1 vertical (3:1); and
  - Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.
- Stockpiles must be stabilized in accordance with the 7 day stabilization requirement, as well as, Standard B-4-1 Incremental Stabilization and Standard B-4-4 Temporary Stabilization (as applicable).
- All constructed channels and swales shall have specified temporary installed to the design flow depth completed downstream to upstream as construction progresses. An installation detail shall be shown on the plans.
- All storm drain and sanitary sewer lines not in paved areas are to be mulched and seeded within 3 days of initial backfill unless otherwise specified on plans.
- Electric Power, telephone, and gas lines are to be compacted, seeded, and mulched within 3 days after initial backfill unless otherwise specified on plans.
- No slope shall be greater than 2:1.
- As required by Section B. of the Maryland Standards and Specifications for Soil Erosion and Sediment Control, "Adequate Vegetative Stabilization", is defined as 95 percent ground cover. The Frederick County Soil Conservation District requires the project adhere to this for scheduling of the Final Site Closeout Review, and/or release of the site for soil erosion and sediment control.



**For sites 1.0 acre or more, the following are required:**

- Maryland Department of the Environment, General Permit for Stormwater Associated with a Construction Activity, NPDES Permit Number MDRC, State Discharge Permit Number 14GP, or an Individual Permit.
- The Maryland Department of the Environment, General/Individual Permit - Notice of Intent (NOI) application and permit shall be posted and/or available on-site at all times.
- During construction, all soil erosion and sediment control practices (BMPs) shall be inspected and recorded on the "Standard Inspection Form", General Permit for Stormwater Associated with Construction Activity per the Maryland Department of the Environment (General/Individual Permit - Notice of Intent - NOI).
- Following construction and release of the site for soil erosion and sediment control by the Frederick County Soil Conservation District, i.e., all portions of a site have been permanently stabilized, and all stormwater discharges from construction sites that are authorized by the permit are eliminated, the authorized permittee shall submit the Maryland Department of the Environment, General/Individual Permit - Notice of Termination (NOT).

**SEQUENCE OF CONSTRUCTION:**

- Miss Utility shall be contacted at 1-800-257-7777 a minimum of 48 hours prior to start of construction.
- Contractor to contact MDE Water Management Administration at (301) 689-1494, the Frederick County Environmental Compliance at (301) 600-3507, and Site Engineer-Frederick, Seibert, & Associates, Inc. (FSA) at 301-791-3650, a minimum of 5 days prior to start of construction for a pre-construction meeting.
- Refer to **Sediment and Erosion Control (SEC)** notes for general sediment and erosion control specifications.
- All applicable Federal, State, County and local approvals must be obtained prior to commencing any construction on this project. Contractor to keep daily log of construction activities according to the **General Stormwater Permit for Construction Activities** and to make note of any field modifications made. All proposed field changes will be discussed with the Project Manager. In some cases field changes may need to be submitted to approval agencies.
- Identify the "Limits of Disturbance" (LOD), which should be staked and flagged. Locate established bench marks. Contractor will consult with Project Manager and Property Owner prior to clearing for temporary access road, and also to flag trees and vegetation for removal.
- Contractor to install stabilized construction entrance, haul road, and establish topsoil stockpile and staging areas. Place silt fence on downhill side of both areas.
- Before starting stream work, a physical inspection of the equipment of hoses, fittings and mechanical parts will be required. Fueling and servicing of equipment will be conducted in the staging area. See Contractor's responsibility note on sheet 8.
- Install sediment controls, such as sandbag diversion dams, in the stream channel at the upstream and downstream extents of each pump around. Additional pump arounds and filterbags may be necessary where needed.
- Project Manager and Contractor to agree on placement of the pump around location so as to not interfere with construction activities.
- Begin work within the LOD, installing structures in a downstream to upstream direction. Grade in new channel and stabilize at the end of each working day. As cut material is generated, the material is to be placed and graded in the "Stockpile / Permanent Grading Area" to the South.
- At the end of each working day, remove pump and open sandbag dams to allow water to flow down channel.
- Repeat steps 8-12 until project is complete.
- Contractor to contact Frederick County Soil Conservation District Inspector to verify site is adequately stabilized before removing perimeter controls (Vegetation must meet the 95% overall stabilization requirement per the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control prior to scheduling said meeting).
- Once permits have been satisfied, remove any remaining erosion and sediment control devices and stabilize and disturbed area.

**CHECKLIST FOR REQUIRED INSPECTION**

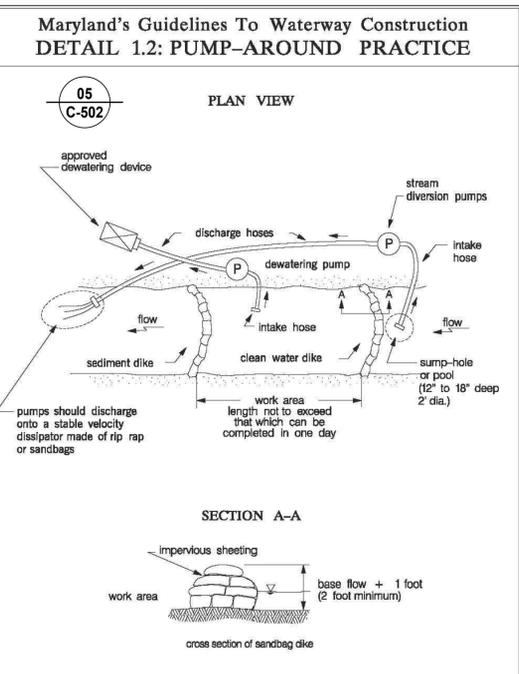
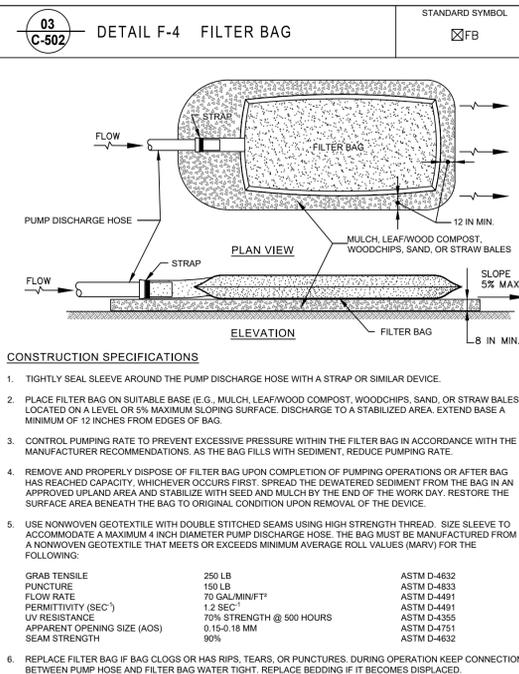
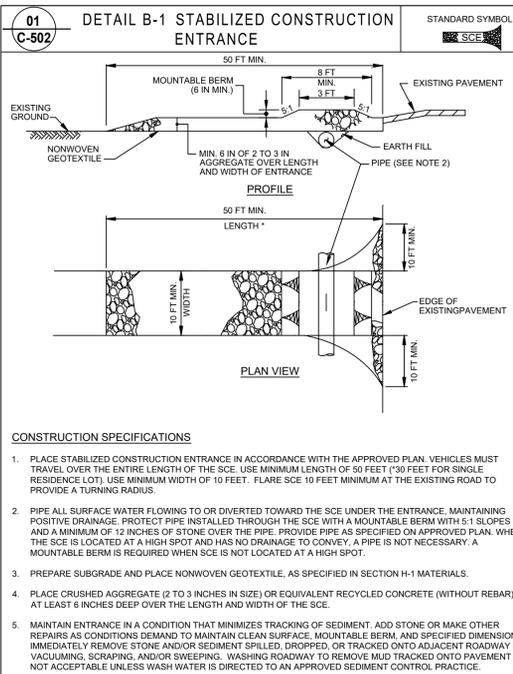
TYPE OF INSPECTION	DEVELOPER ENGINEER APPROVAL/DATE	EEA INSPECTION/ DATE
1) PRECONSTRUCTION MEETINGS		
2) COMPLETION OF SEDIMENT CONTROL MEASURES (IF USING BASIN SEE #6 BELOW)		
3) PRIOR TO MODIFICATION OR REMOVAL OF SED. CNTRL.		
4) INFILTRATION SYSTEMS A. SITE READINESS PER SEQUENCE OF CONSTRUCTION B. INFILTRATION AREA PROTECTED FROM SEDIMENTATION C. DIMENSIONS D. FILTERING MATERIAL (TYPE/DEPTH) E. FILL MATERIAL F. SIZE, PLACEMENT, TYPE OF PIPING (IF APPLICABLE) G. OBSERVATION WELL H. COVER / STABILIZATION		
5) OPEN CHANNEL FLOW ATTENUATION A. SITE READINESS PER SEQUENCE OF CONSTRUCTION B. CROSS SECTION CONFORMANCE C. MATERIAL (TYPE/SIZE) D. STABILIZATION		
6) RETENTION / DETENTION STRUCTURES (BASIN/PONDS) A. SUBGRADE PREPARATION 1. CORE TRENCH 2. SUITABLE FILL 3. COMPACTION B. EMBANKMENT CONSTRUCTION 1. SUITABLE MATERIAL 2. SLOPE GRADE C. BARREL AND RISER ASSEMBLY 1. CORRECT MATERIAL ONSITE 2. SIZING 3. ANTI-SEEP COLLARS 4. INSTALLATION / BACKFILL D. CONCRETE INLET STRUCTURES 1. FOOTER EXCAVATION AND SIZE 2. REINFORCING MATERIAL (TYPE, SIZE, PLACEMENT) 3. WEIR POUR 4. FORM STRIP AND FINISHING E. IMPOUNDING AREA 1. LOW FLOW CHANNELS 2. DEWATERING DEVICE 3. EMERGENCY SPLILWAY F. OUTFALL AREA LEVEL SPREADER, RIPRAP CHANNEL, ETC. G. VEGETATION STABILIZATION H. MISCELLANEOUS		

**YOU MUST NOTIFY THE DIVISION OF ENVIRONMENTAL COMPLIANCE SECTION (ECS) AT (301) 600-3507 BEFORE 9:00 AM 24 HOURS PRIOR TO THE REQUIRED INSPECTION. FAILURE TO NOTIFY THE AGENCY WILL RESULT IN A STOP WORK ORDER OR OTHER PENALTIES AS OUTLINED IN FREDERICK COUNTY CODES.**

**\*\*\*\*\*NOTICE\*\*\*\*\***  
THIS LIST IS FOR SEQUENCE OF CONSTRUCTION ONLY. FREDERICK COUNTY ASSUMES NO RESPONSIBILITY OR LIABILITY FOR IMPROPER INSTALLATION OF ANY ITEM ON THIS CHECKLIST. THE AGENCY RECOMMENDS THAT A PROFESSIONAL ENGINEER BE PRESENT FOR EACH OF THE REQUIRED INSPECTIONS.

SCALE: 1" = 20'  
Frederick County Soil Conservation District  
Erosion and Sediment Control Plan Approval  
By: \_\_\_\_\_ District Manager or Designee  
Date: \_\_\_\_\_  
Plan is valid for 2 years from date of approval.  
SCD approval for sediment and erosion control is in accordance with the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control and is contingent upon issuance of all applicable regulatory permits.



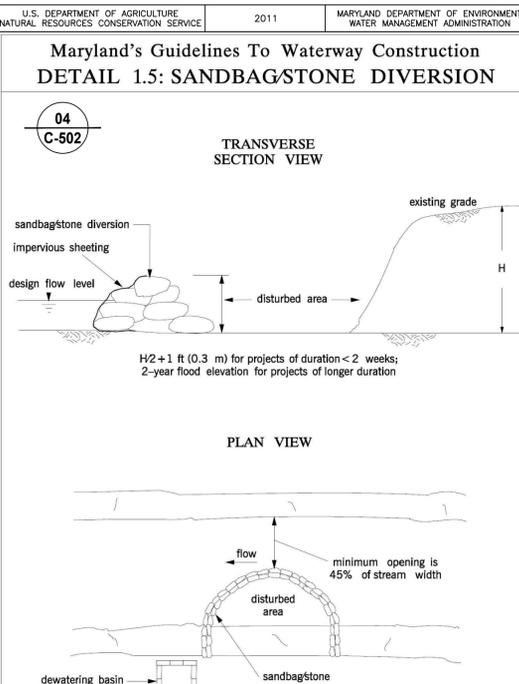
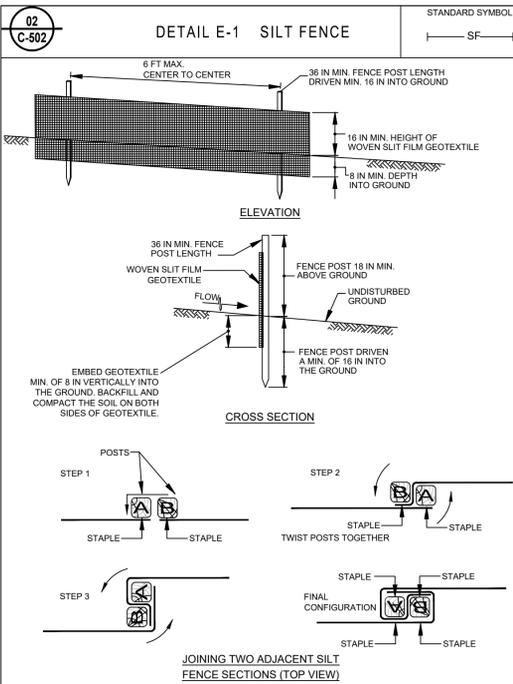


MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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**Frederick County Soil Conservation District**  
Erosion and Sediment Control Plan Approval

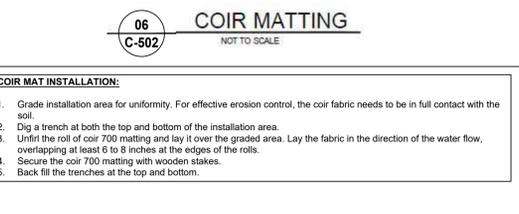
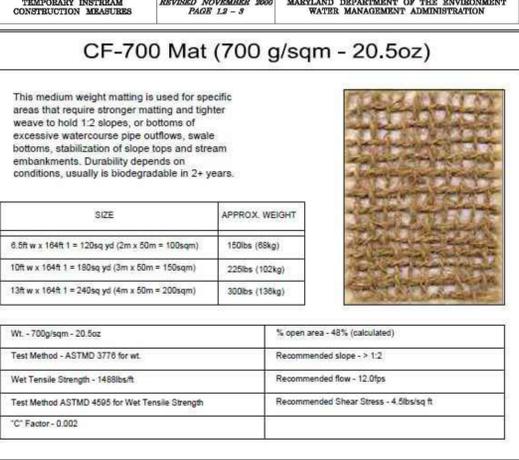
By: \_\_\_\_\_  
District Manager or Designee

Date: \_\_\_\_\_  
Plan is valid for 2 years from date of approval

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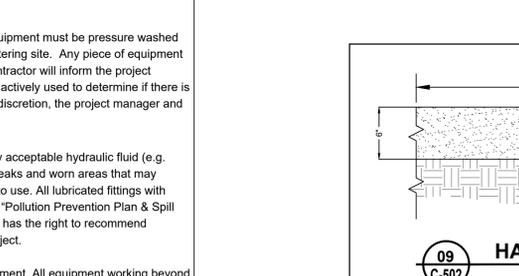
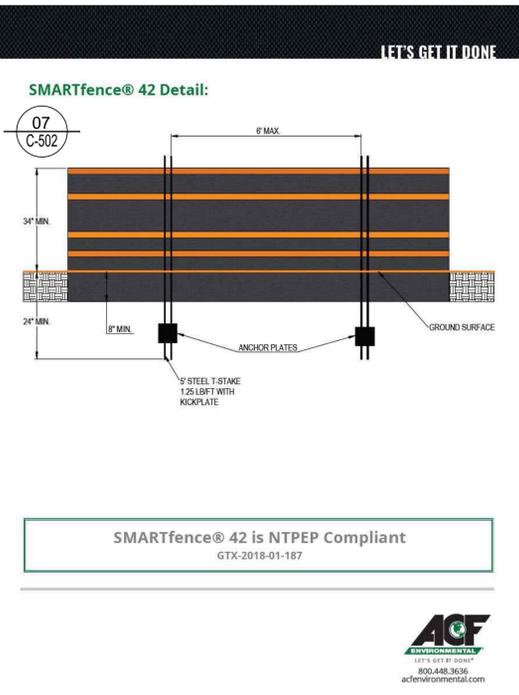


MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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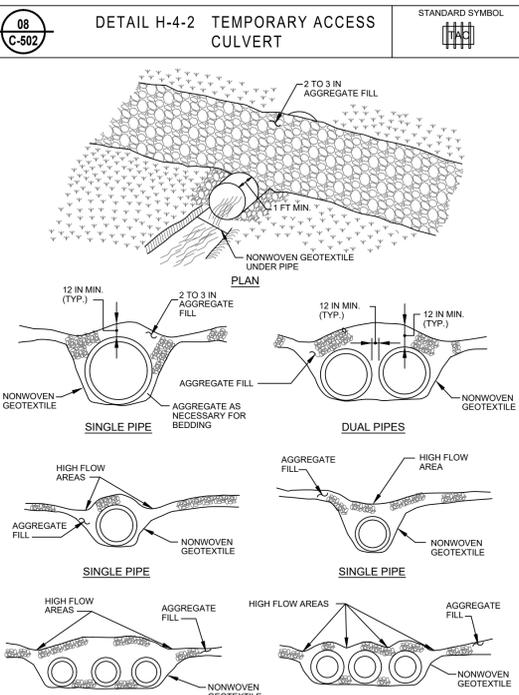
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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

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**WEST WINDS STREAM RESTORATION**

COUNTRY CLUB ROAD  
NEW MARKET, MARYLAND  
FREDERICK COUNTY, MARYLAND  
LAKE LANGLORE ASSOCIATION INC.  
8718 COLDSIDE DRIVE, NEW MARKET, MD 21774  
301.851.6640 EXT. 112

PROJECT NO: 2024-0317  
DWN BY: TCH DATE: 5-7-2025  
PROJECT MANAGER: KDM  
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TAX MAP: GRD - PARCEL  
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SCALE: AS SHOWN  
SHEET TITLE: ESC DETAILS

**C-502**  
SHEET 07 OF 08

