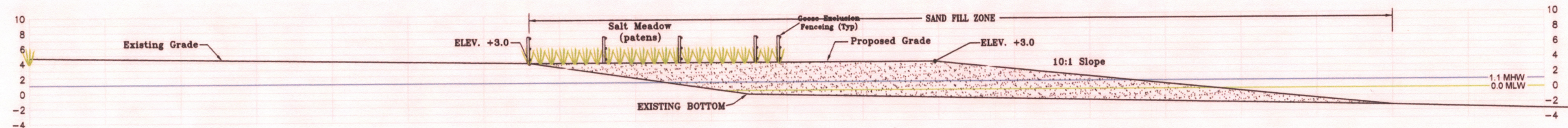


Details, Cross Sections, and Construction Notes

Scale: As- Shown

DEPARTMENT OF PUBLIC WORKS
ENGINEERING
APPROVED
OCT 26 2020

John Knopp
John Knopp



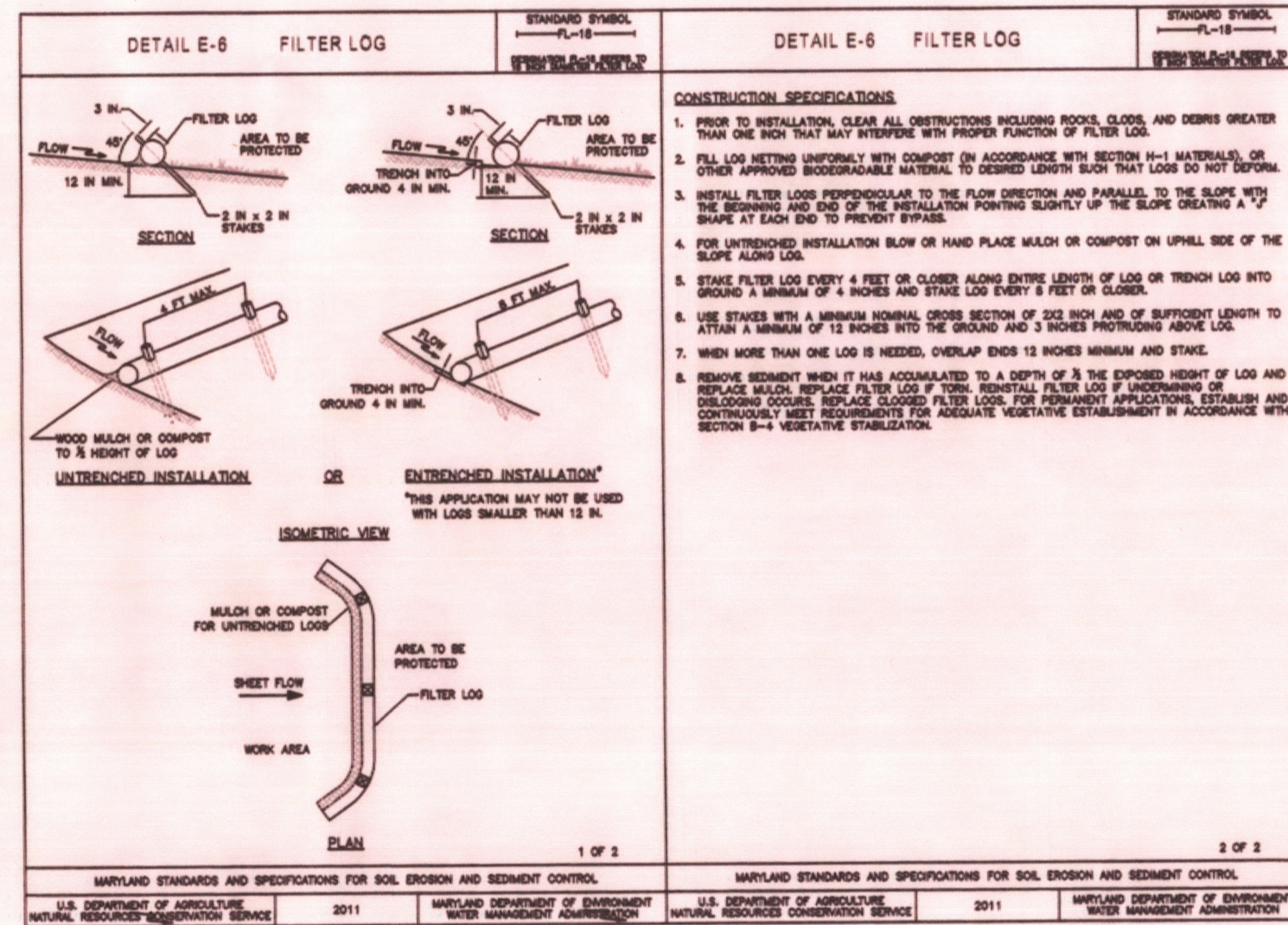
Section B-B' 9+25
Typical Pocket Beach
Scale H & V 1" = 10'

Construction Notes

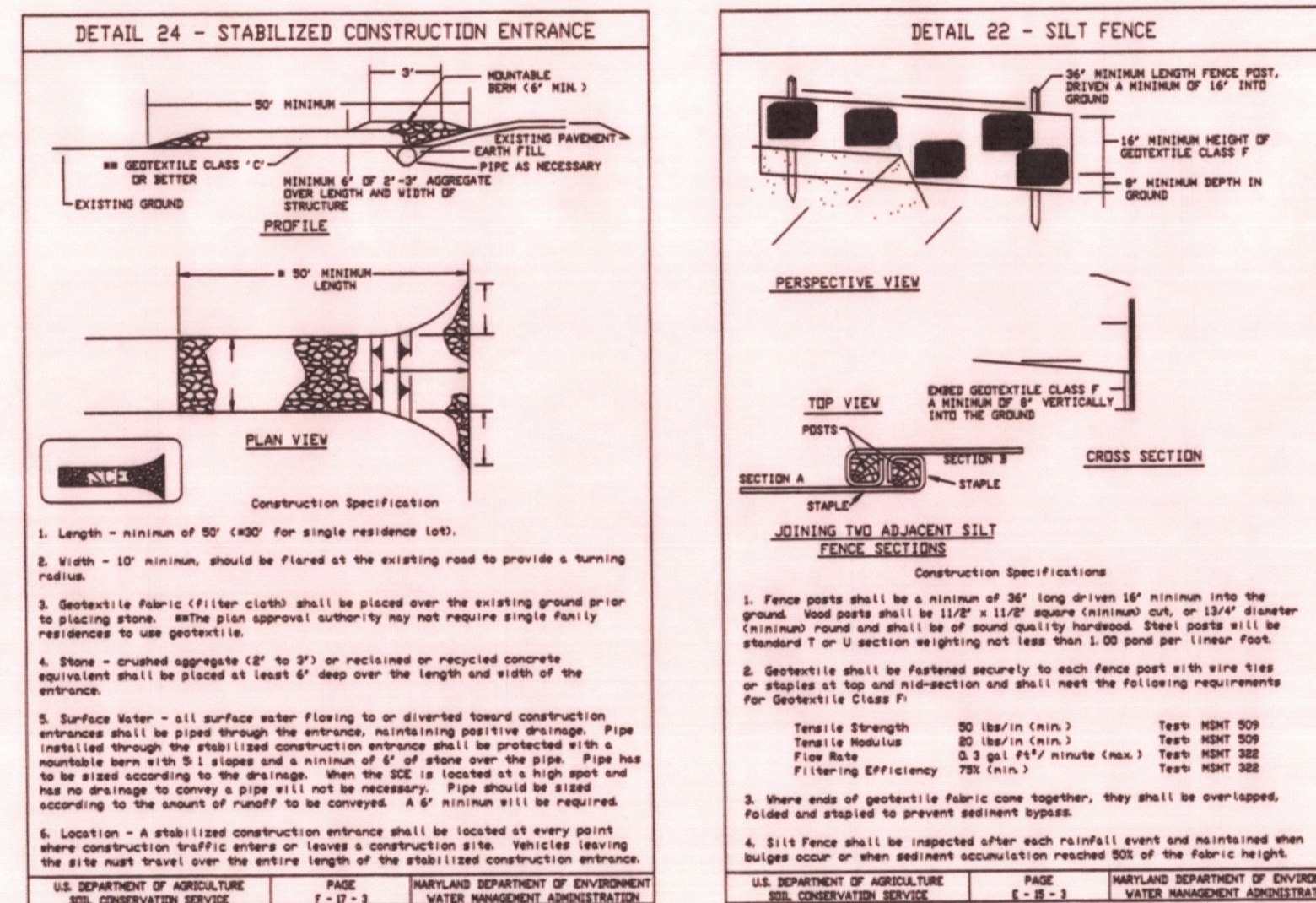
- Mean tidal range is 1.1 feet.
- Vertical control is established using base datum where 0.0 feet = MLW and NAVD 88 0.0 Elevation is represented as Elevation 0.70. Horizontal control is maintained using a Total Station using EDM (Electronic Distance Measurement).
- Topographic and hydrologic data was obtained March 2019.
- All dimensions and coordinates are given in feet.
- Silt Fence must be kept in good repair for duration of project. Silt Fence shall be inspected after each rain event and maintained when bulges occur or when sediment accumulates above 25% of the height of the fence.
- Contractor is responsible for locating and protecting all utilities. Contractor shall notify "Miss Utility" at 1-800-257-7777 prior to construction. The existing utilities and obstructions are from the best available records and shall be verified by the Contractor. Owner does not warrant or guarantee the completeness or the correctness of information given.
- During construction contractor will maintain and dress all roads used to access the construction site. At conclusion of project all roads will be graded, shaped and surfaced, as necessary, to prior existing condition.
- All debris, including brush, logs, stumps, and woody vegetation within the Limits Of Disturbance and Limits Of Work shall be hauled off site and disposed of in accordance with applicable regulations.
- The existing rock groins will be salvaged and reused on the proposed Breakwaters. The rock shall be used as core stone or placed on shoreward side of the Breakwaters. Any remains of wood jetties found under the existing groins will be removed by the contractor and disposed of in an appropriate manor.
- Prior to placement of Geotextile, the contractor shall obtain from the manufacturer and submit to the District a certificate indicating the filter cloth meets the criteria of Geotextile in the Construction Specifications.
- Prior to placement of the armor stone, the contractor shall obtain from the quarry and submit to the District a certificate indicating the armor stone meets the criteria of stone in the Construction Specifications. Stone must be quarried from a certified quarry operation. Selectively place smaller range of armor stone on the backside of the structure and selectively place larger armor stone at toe and face of the structure.
- Prior to placement of the sand cap the contractor shall obtain from the supplier and submit to the District a certificate indicating the sand meets the criteria in the Construction Specifications. The sand fill cap behind the breakwater is to meet MDE specification of no more than ten percent (10%) passing the number 100 sieve.
- Contractor to keep disturbance of vegetation to a minimum. Trees are to remain undisturbed unless absolutely necessary to the completion of the project. The landowner is required to replant any trees or vegetation to maintain compliance with Critical Areas Law.
- The Contractor shall be responsible for coordination of his construction with any construction by other contractors.
- "The issuance of county permits or approvals is a local process and does not imply the applicant has met state and federal requirements for wetlands under COMAR 08.05.04: The Federal Water Pollution Control Act, Section 404: or The Rivers and Harbors Act, Section 10."
- Undesignated fill materials shall contain no frozen soil, sod, brush, roots or other perishable materials. Rock particles larger than 6" shall be removed prior to compaction.
- The contractor is responsible for locating and protecting all utilities in and around the work and staging area.
- The camp trailer hookups shall be delineated and protected with 4' Orange Safety Fencing as shown on the Proposed Conditions Sheet.
- The contractor shall coordinate with the Breezy Point Park manager for access through the main park gate and the automatic gate, or alternate access routes.
- The contractor shall coordinate with the USCG to obtain permits for offshore mooring of barges etc. prior to start of construction.
- Remove the two existing pilings in the vicinity of breakwater #3 from within the Limit Of Work.
- 4' Orange Safety Fence shall be placed around any infrastructure within the Limit Of Disturbance.

DATE	6/19	APPROVED BY	G. Gass
DATE	6/19	TITLE	District Engineer
DATE	7/19	DESIGNED BY	G. Gass
DATE		DRAWN BY	G. Westbrook
DATE		REVISED BY	B. Clark
DATE		CHECKED BY	

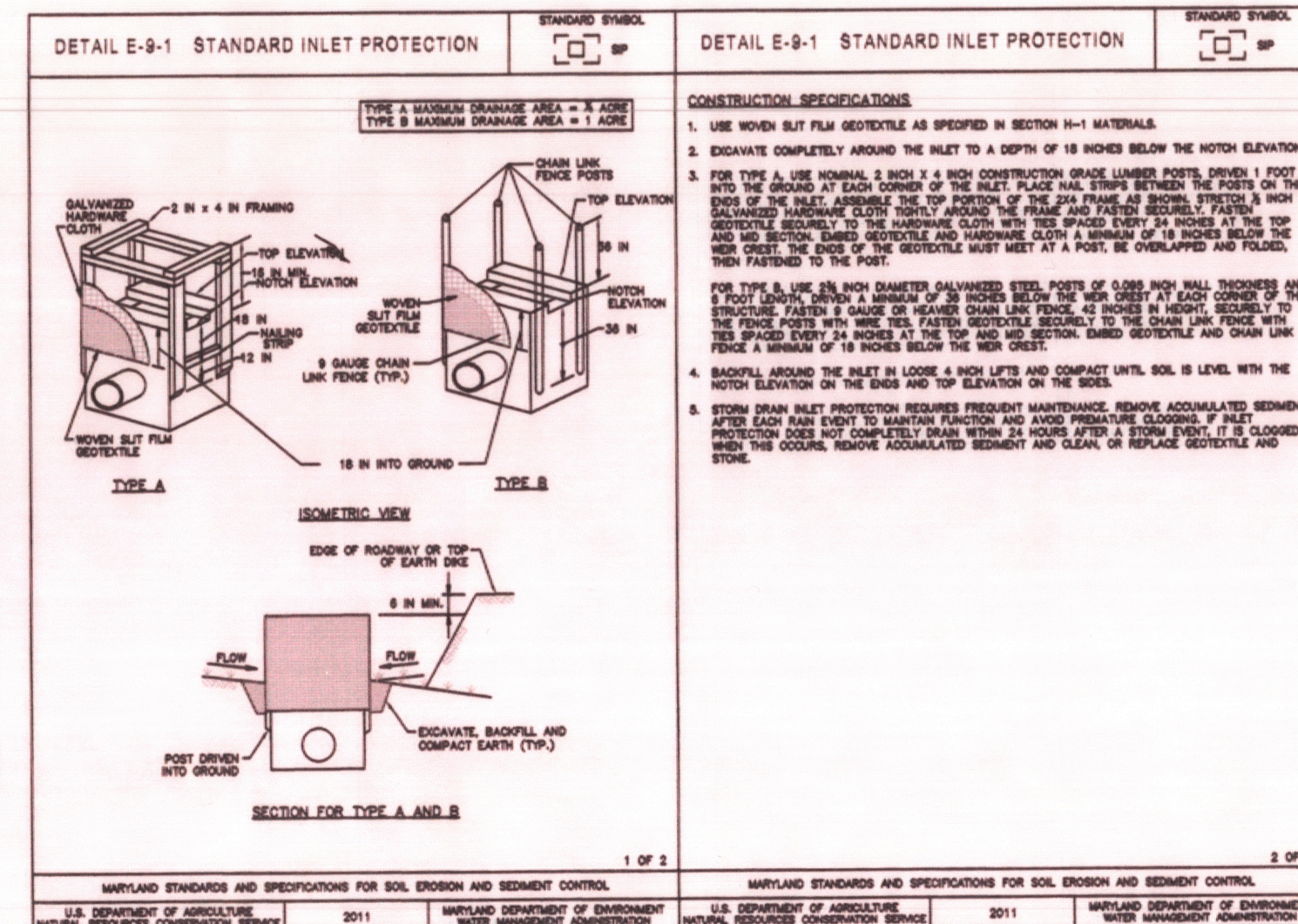
Filter Log Detail (NTS)



SCE and Silt Fence Detail (NTS)



Inlet Protection Detail (NTS)



Sequence of Construction

- Contact Calvert Soil Conservation District (410) 535-1521 x 3 at 489 Main Street, Suite 101, Prince Frederick, Maryland 20678 to schedule a Preconstruction Meeting Ten (10) days prior to the beginning of any work.
- Install SCE and perimeter Erosion and Sediment Control measures. Before proceeding with construction, contact MDE for inspection of Erosion and Sediment installation. Per Maryland 2011 Standards, and Specifications for Erosion and Sediment Control, all sediment controls shall be regularly inspected and maintained weekly, and after each rain event for the duration of the project.
- Install staging area.
- Install turbidity curtain in areas of active fill placement to control sediment during construction. (Turbidity curtain can be moved with the current work area)
- Remove all debris interfering with shoreline construction. Clear vegetation within designated areas as construction proceeds.
- Remove stone in existing groins and use as core and armor stone as appropriate. Remove any remains of existing timber jetties and haul offsite. See note 9 in the Construction Notes.
- Install stone revetment and sand fill. **All core stone, rock, and sand shall be brought in by barge.** Coordinate installation and placement of sand with revetment construction.
- Remove and relocate turbidity curtain to active fill areas (continuous).
- Remove erosion and sediment control measures after the approval of the Agency Having Jurisdiction (AHJ).
- Demobilization.

Professional Certification:
I hereby certify that these documents were prepared and approved by me and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No. 14644.
Glenn G. Gass, P.E.
Expiration Date: August 16, 2021

BREEZY POINT PARK
Details, Cross Sections, & Construction Notes
Shoreline Re-Establishment Project
Calvert County, Maryland