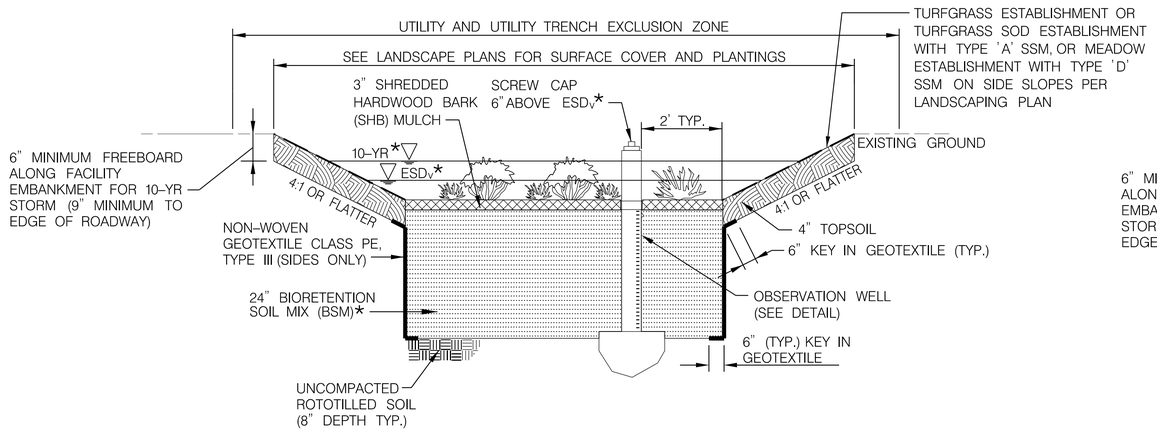
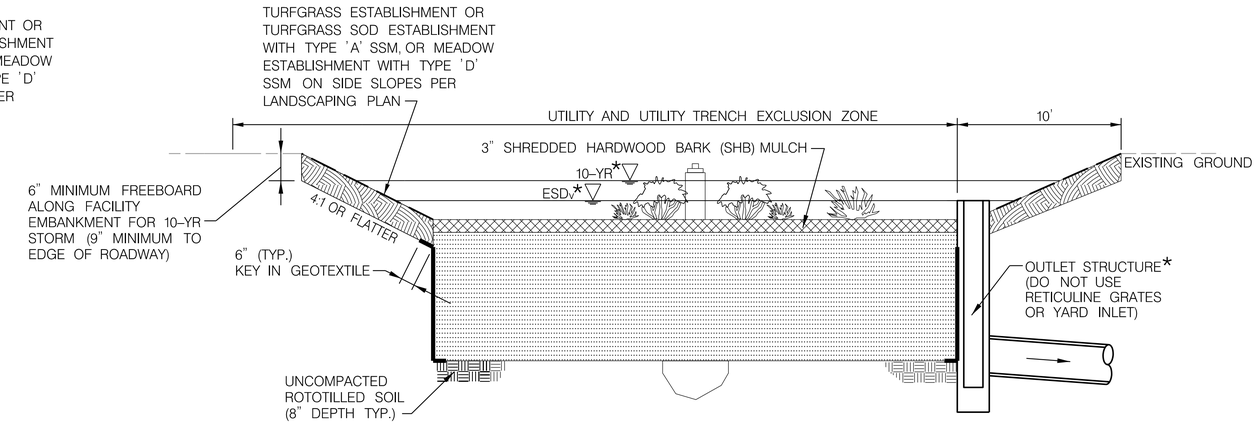


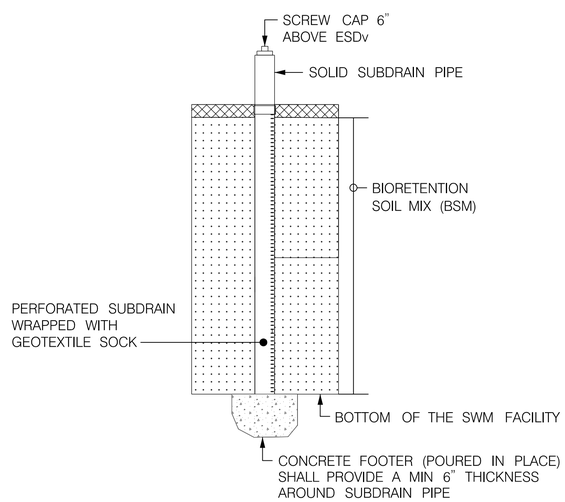
MICRO-BIORETENTION TYPICAL SECTION

NOT TO SCALE



MICRO-BIORETENTION PROFILE WITH PIPE OUTFALL

NOT TO SCALE

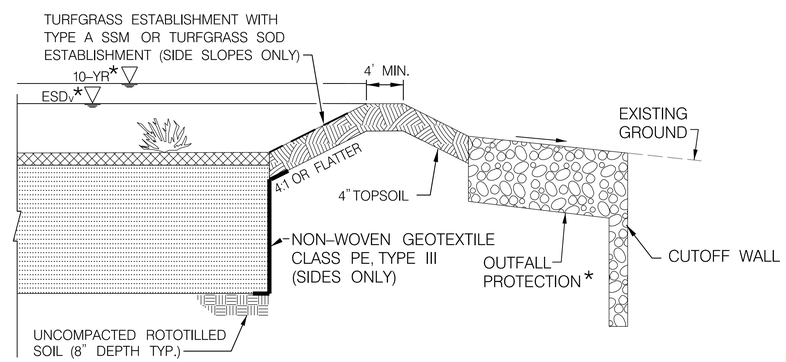


TYPICAL OBSERVATION WELL DETAIL

NOT TO SCALE

OBSERVATION WELL NOTES:

1. COST OF CONCRETE FOOTER AND GEOTEXTILE SOCK ARE INCIDENTAL TO THE COST OF THE SUBDRAIN ITEM AS USED FOR THE OBSERVATION WELL.
2. SEE SECTION 316 OF THE MDOT SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.



WEIR OUTFALL

NOT TO SCALE

DESIGNER NOTES:

1. REFER TO SECTION 316 OF THE MDOT SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS FOR MORE INFORMATION.
2. INCLUDE SWMFAC NUMBER ON SWM SHEETS.
3. MAX. ESDv DEPTH: 12"
4. UTILITY (INCLUDING GUY-WIRES) AND UTILITY TRENCH EXCLUSION ZONE EXTENDS A MINIMUM OF 10 FEET FROM THE BOTTOM OF MEDIA. 10 FEET FROM TOP OF EMBANKMENT IS PREFERABLE.
5. PLANT FACILITY SURFACE WITH AT LEAST THREE SPECIES FROM THE APPROVED PLANTING LIST.
6. PLACE TURFGRASS ESTABLISHMENT AND TYPE A SSM OR TURFGRASS SOD ESTABLISHMENT ON THE SIDE SLOPES ABOVE THE EXPECTED WATER LEVEL RETAINED DURING RAIN EVENTS.
7. DO NOT PLACE SEED, SOD OR SSM ON THE BOTTOM SURFACE OF FACILITY.
8. ALL SUBDRAINS, CLEANOUTS, OBSERVATION WELLS AND OUTFALLS SHOULD BE SHOWN ON PLAN VIEW DRAWINGS.

*DETERMINE BY DESIGN

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

DESIGN GUIDANCE DRAWING

M-6 MICRO-BIORETENTION FOR WELL DRAINING SOILS

REVISION DATE: JUNE 1, 2022

*** NOTE: THIS DRAWING IS ONLY TO BE USED AS A DESIGN GUIDE AND IS NOT A SUBSTITUTE FOR PROJECT-SPECIFIC PROFILES AND SECTIONS IN CONTRACT DOCUMENTS***