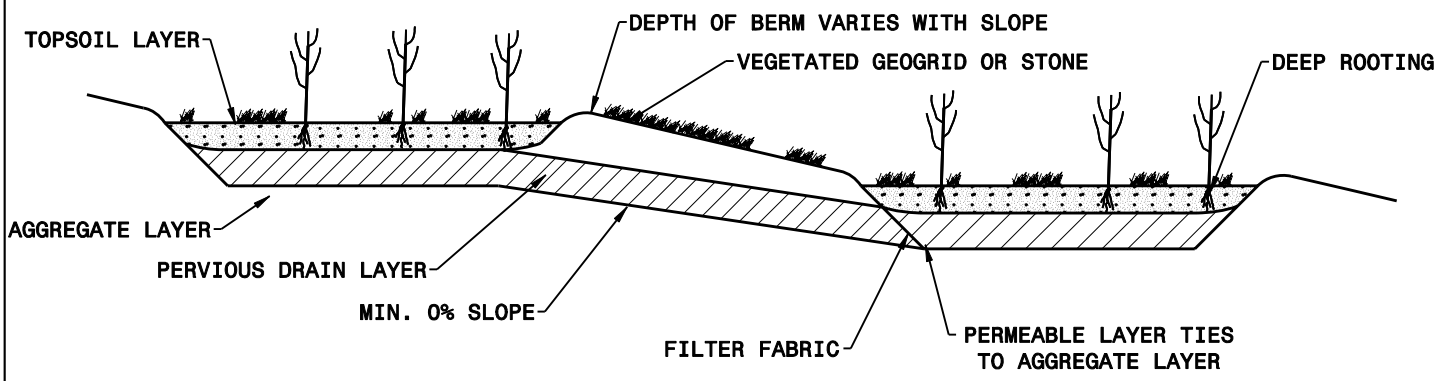
APPENDIX A

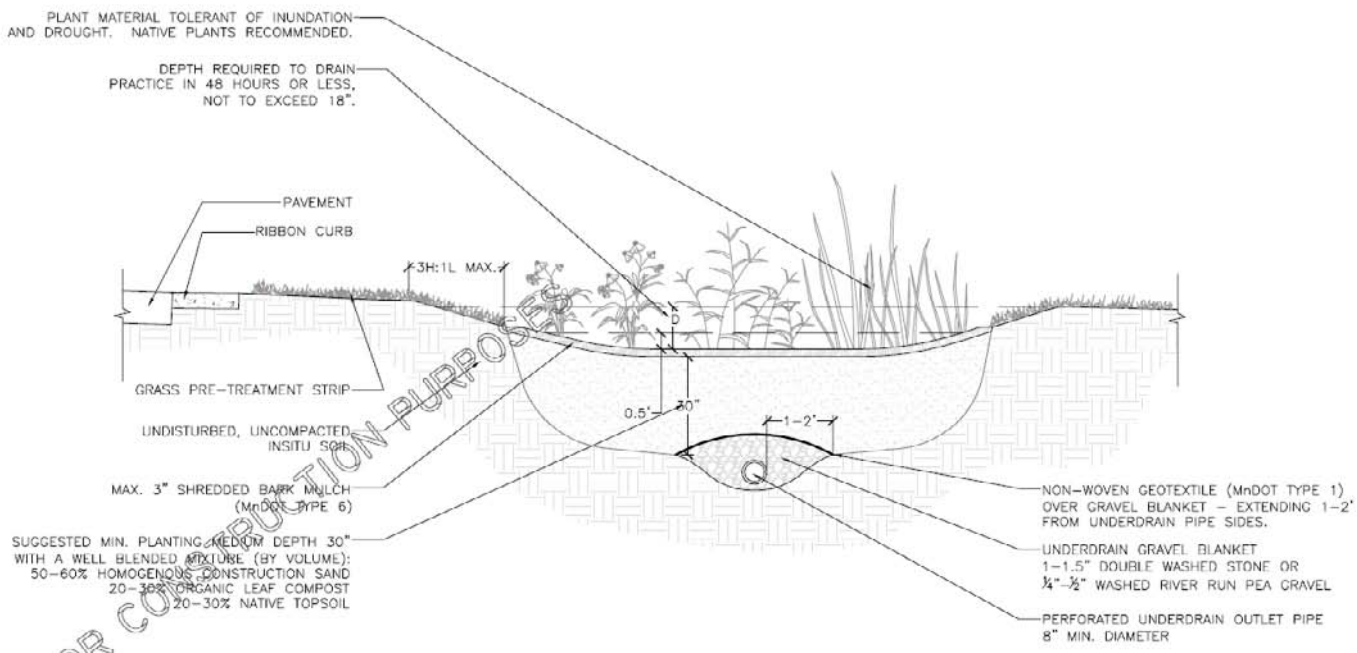
Details

STORMWATER BMP DETAILS



BIO-GRADE STEP

SCALE: NTS



NOT FOR CONSTRUCTION PURPOSES

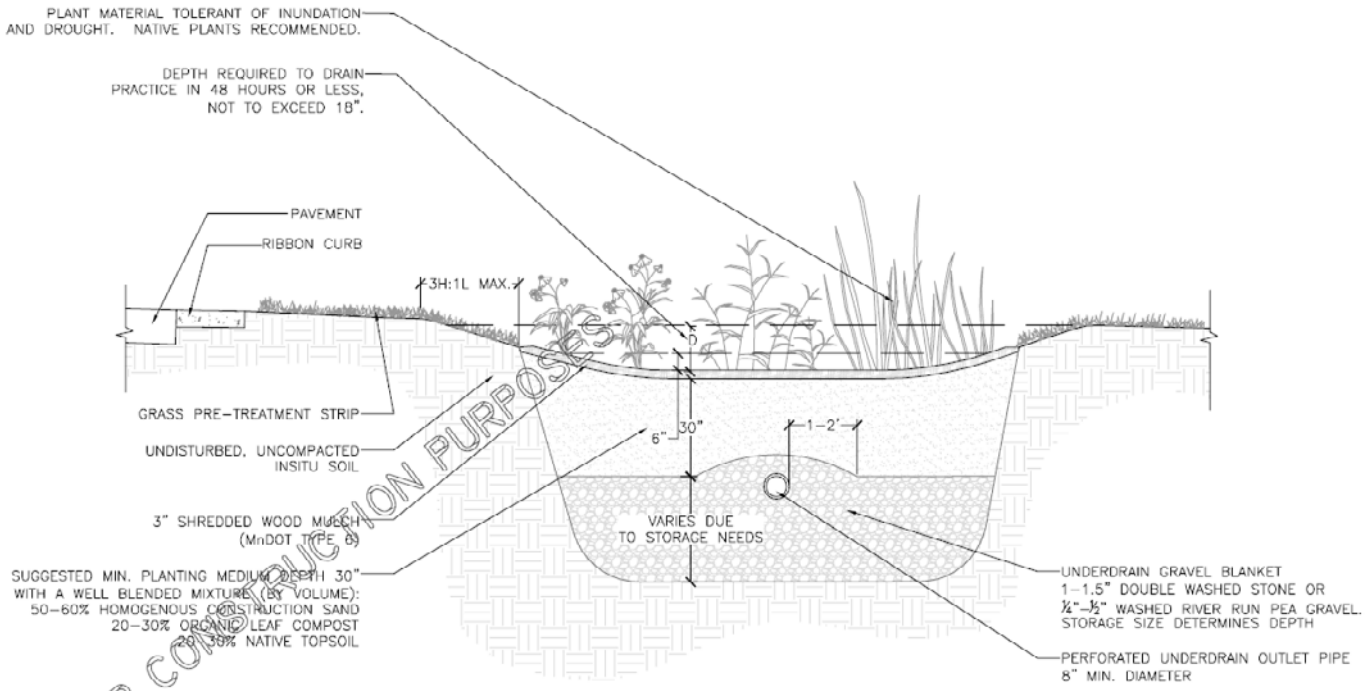
NOTE: NORTH CAROLINA SPECIFICATIONS MAY VARY

BIORETENTION AREA- FILTRATION AND PARTIAL RECHARGE

SCALE: NTS

Source: Minnesota Stormwater Manual. Version 1.1
Minnesota Pollution Control Agency

STORMWATER BMP DETAILS



NOT FOR CONSTRUCTION PURPOSES

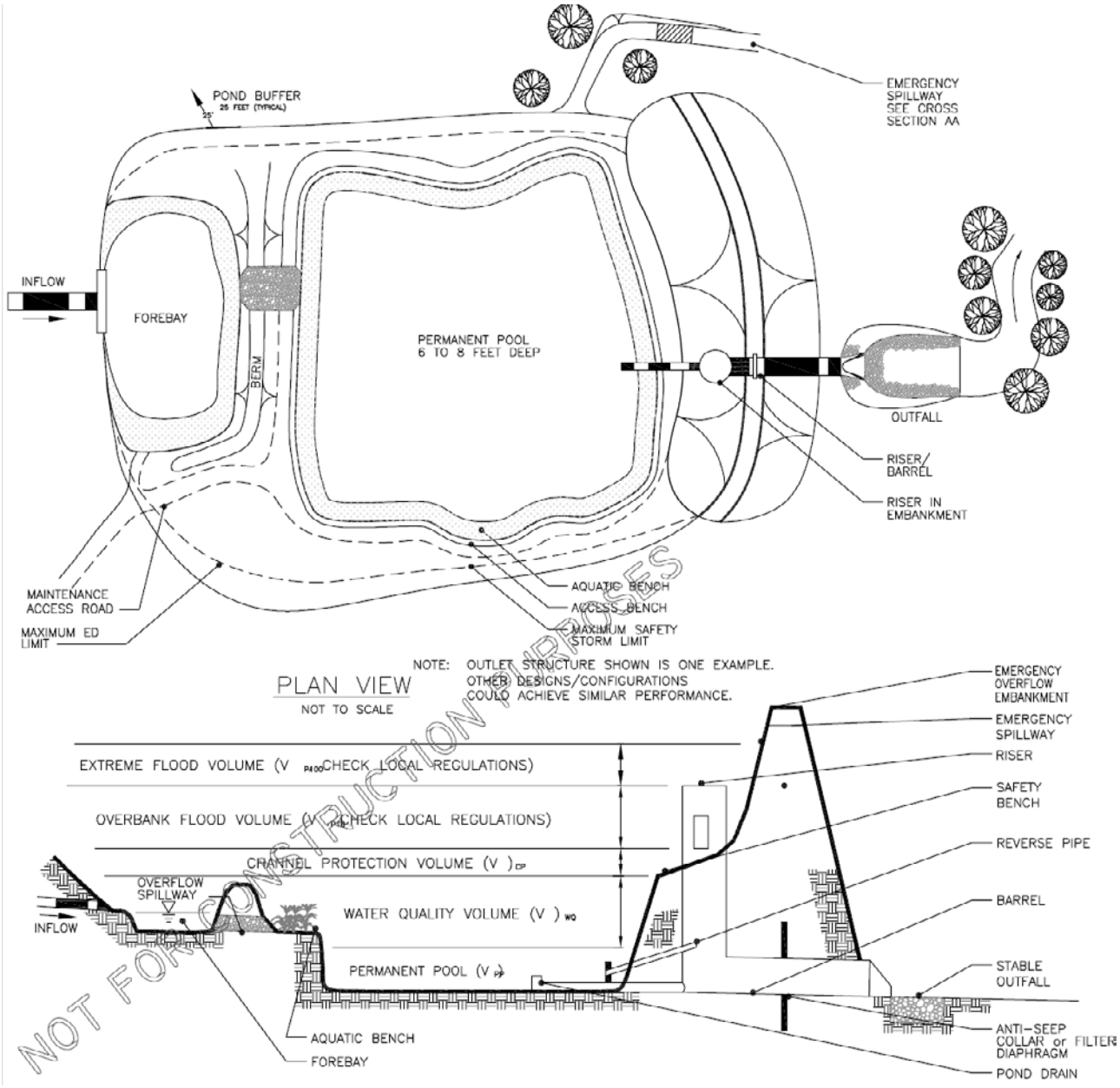
NOTE: NORTH CAROLINA SPECIFICATIONS MAY VARY

BIORETENTION AREA- FILTRATION/INFILTRATION/RECHARGE

SCALE: NTS

Source: Minnesota Stormwater Manual. Version 1.1
Minnesota Pollution Control Agency

STORMWATER BMP DETAILS

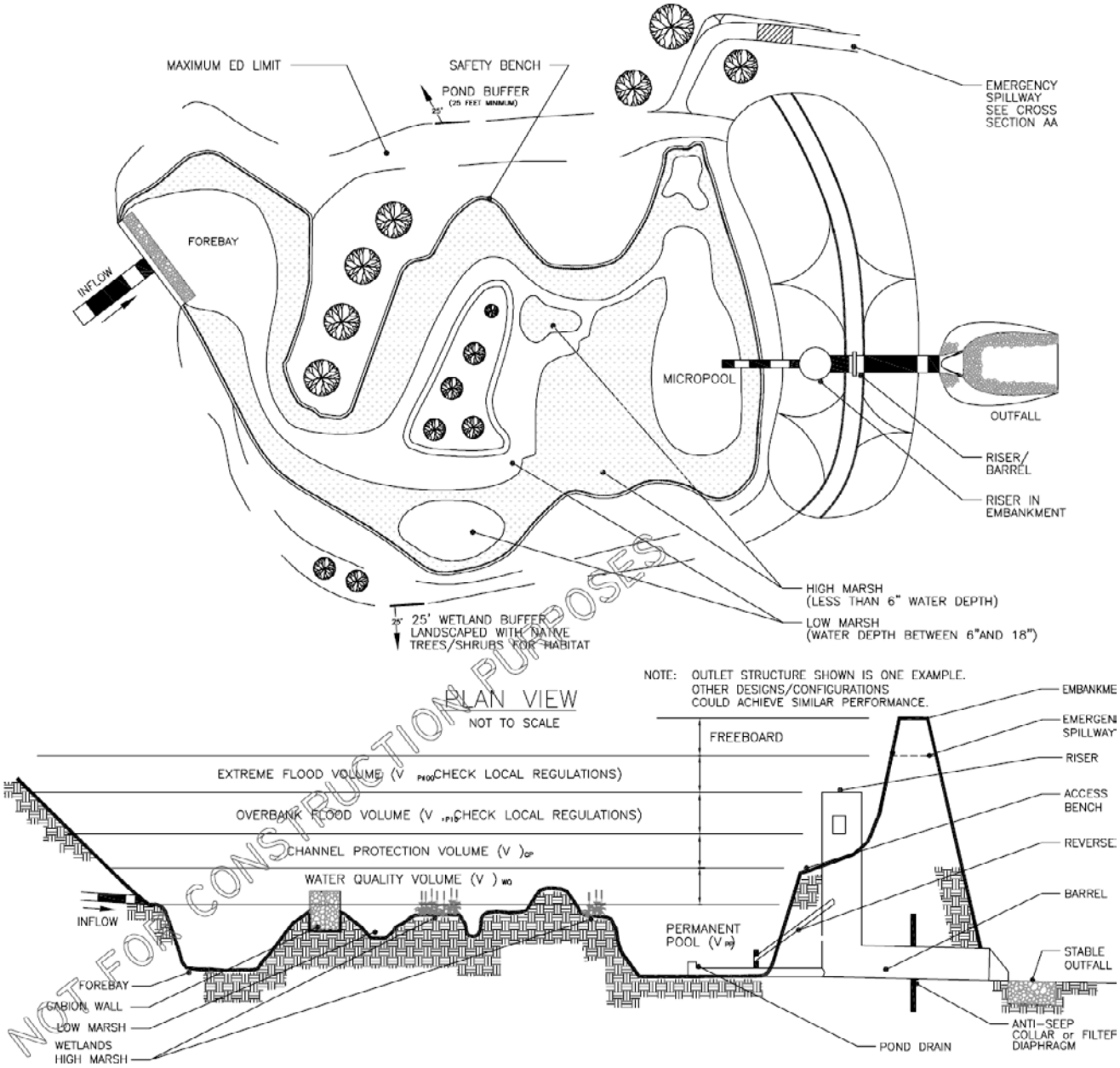


EXAMPLE WET DETENTION POND

SCALE: NTS

Source: Minnesota Stormwater Manual, Version 1.1
Minnesota Pollution Control Agency

STORMWATER BMP DETAILS

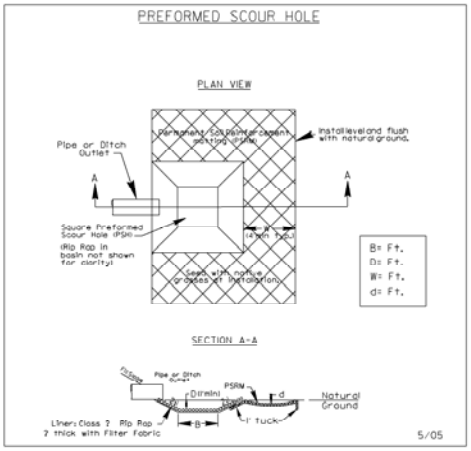


EXAMPLE STORMWATER WETLAND

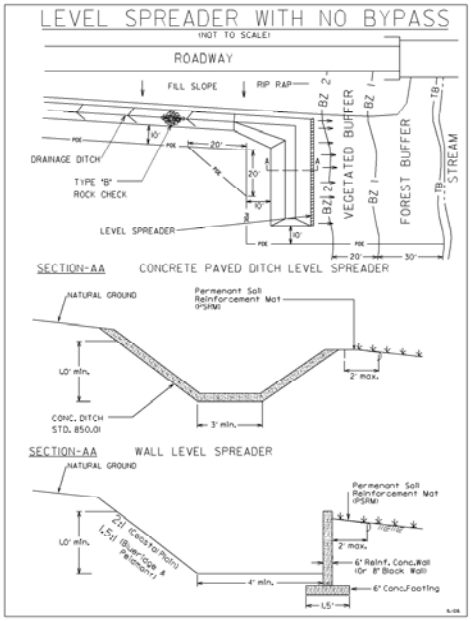
SCALE: NTS

Source: Minnesota Stormwater Manual, Version 1.1
Minnesota Pollution Control Agency

BMP COMPONENT DETAILS



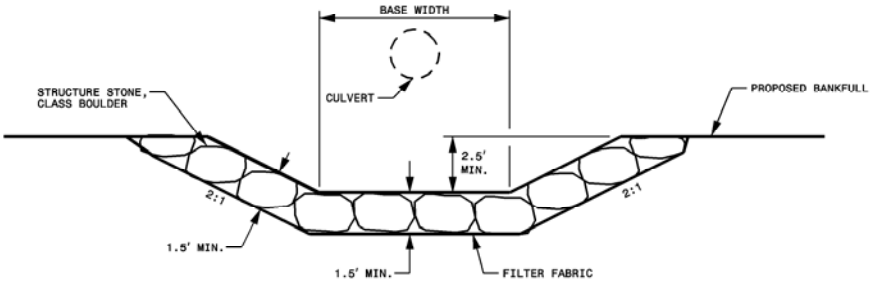
STA.



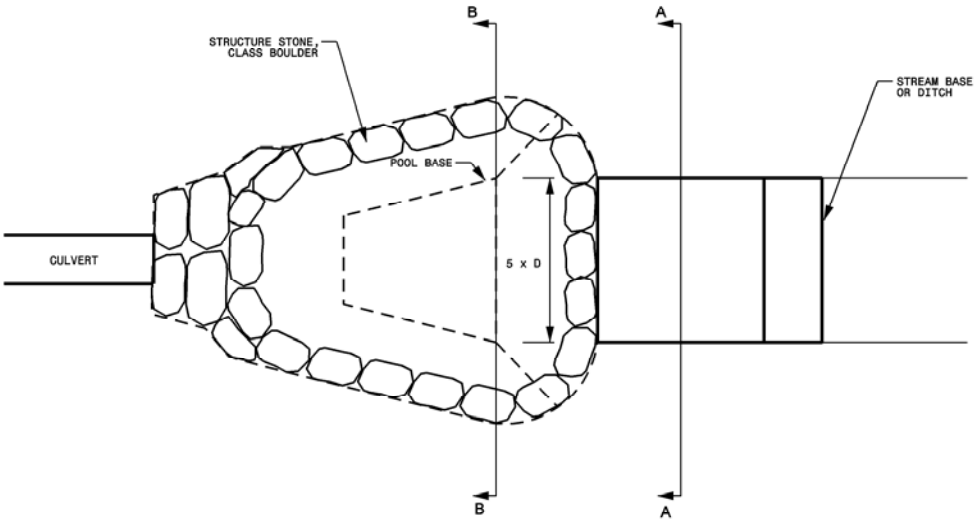
FROM STA. TO STA.

Note: Use concrete berm crest on all level spreaders.

Source: North Carolina Department of Transportation



SECTION B-B



NOTE:

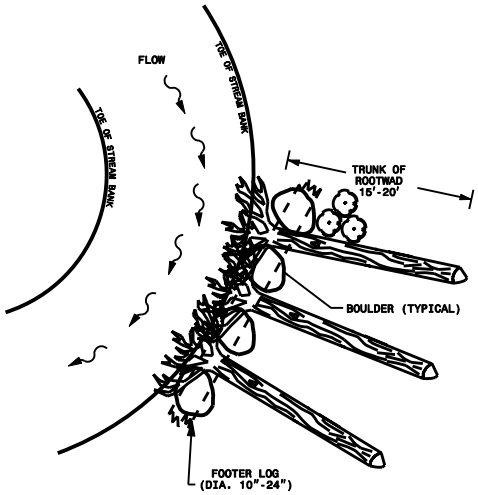
BASIN BOULDERS NOT SHOWN FOR CLARITY.
INCIDENTIAL RIP RAP AND FILL MATERIAL MAY
BE REQUIRED AROUND FOOTER ROCKS FOR PROPER EMBEDMENT.

PLAN

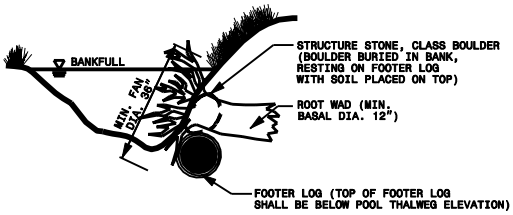
BOULDER DISSIPATOR BASIN

SCALE: NTS

STREAM RESTORATION DETAILS



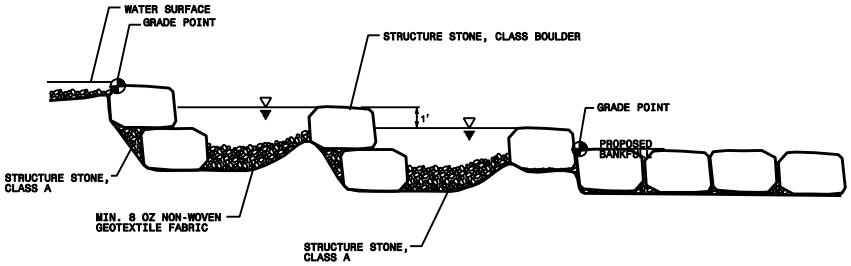
PLAN



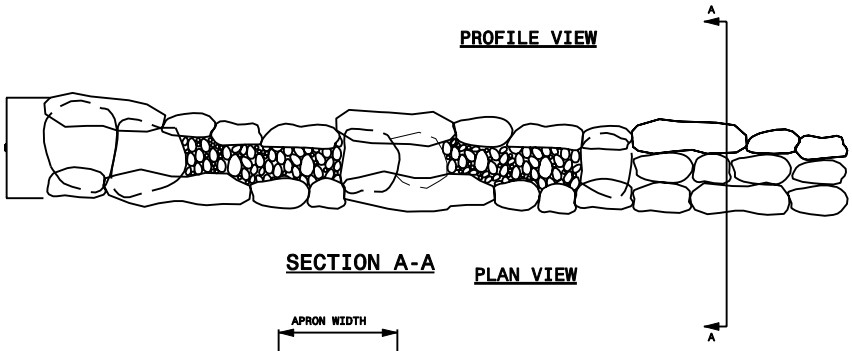
CROSS-SECTION

ROOT WAD

SCALE: NTS

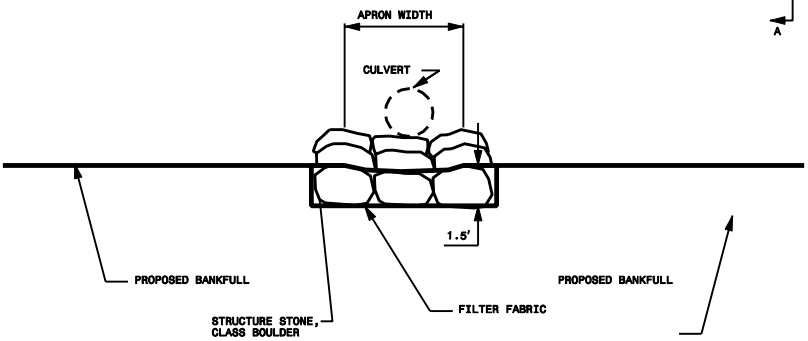


PROFILE VIEW



SECTION A-A

PLAN VIEW



STEP-POOL OUTFALL W/APRON

SCALE: NTS

BANK STABILIZATION DETAILS

Figure 1

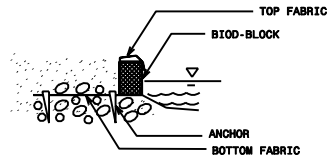


Figure 2

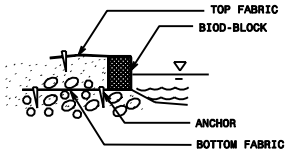


Figure 2a

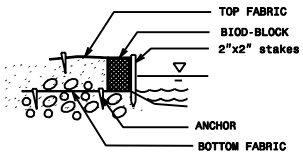


Figure 3

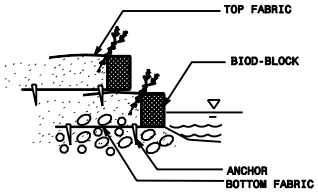
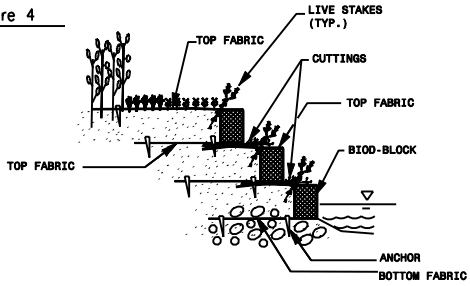
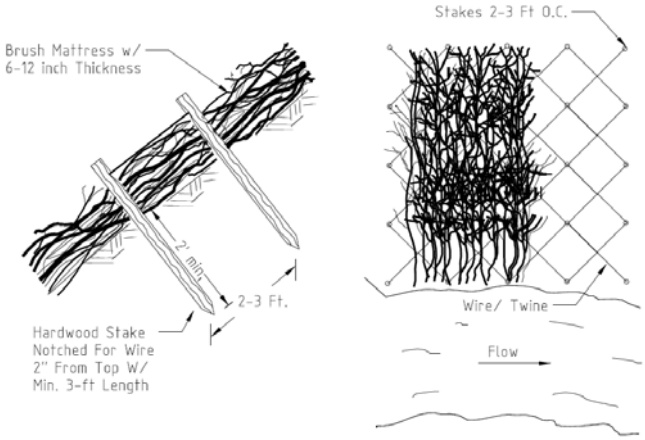
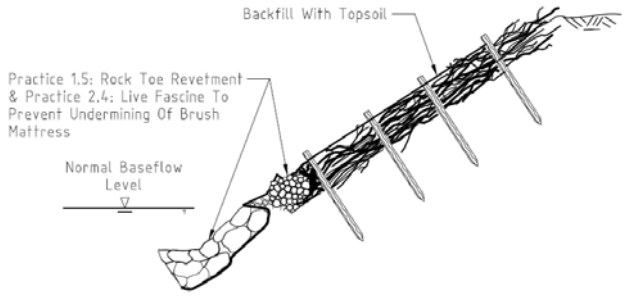


Figure 4



MUTILAYER BioD-BLOCK COIR BLOCK SYSTEM
INSTALLATION GUIDE (vertically placed blocks)





SECTION

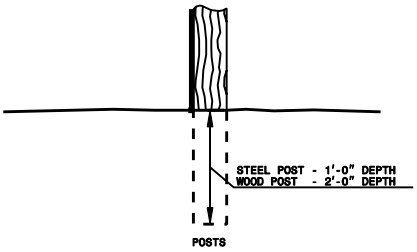
Adapted From USDA-SCS (1994)

BRUSH MATRESS

SCALE: NTS

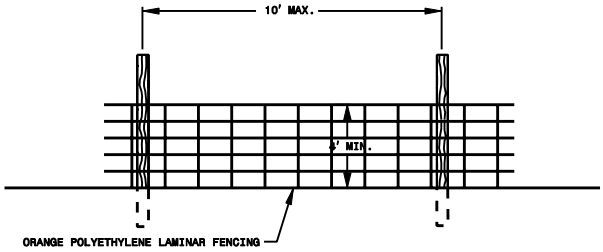
Source: Virginia Stream Restoration & Stabilization
Best Management Practices Guide, 2004
Virginia Department of Conservation and Recreation

SITE PREPARATION DETAILS



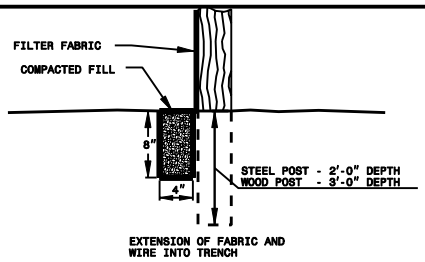
NOTES:

1. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
2. WOOD POST SHALL BE 6'-0" IN HEIGHT AND 3" MINIMUM IN DIAMETER.



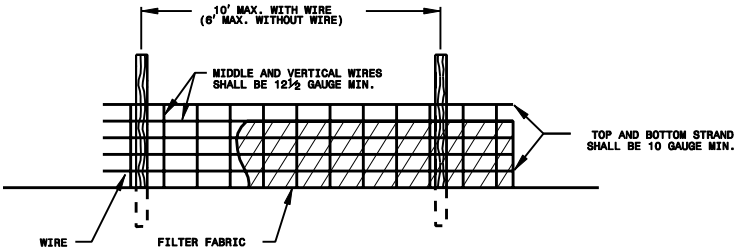
SAFETY FENCE/TREE PROTECTION FENCE

SCALE: NTS



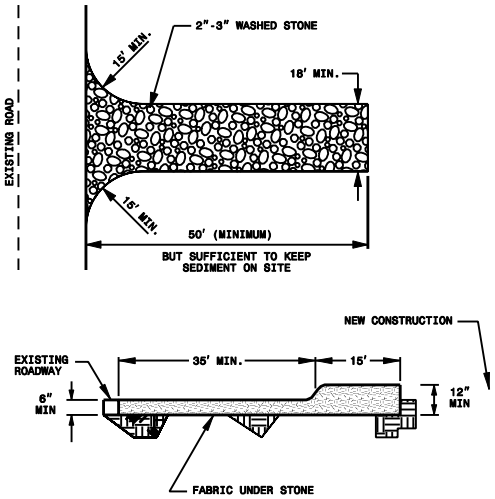
NOTES:

1. WIRE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
2. FILTER FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE DESIGNER.
3. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
4. WOOD POST SHALL BE 6'-0" IN HEIGHT AND 3" MINIMUM IN DIAMETER.



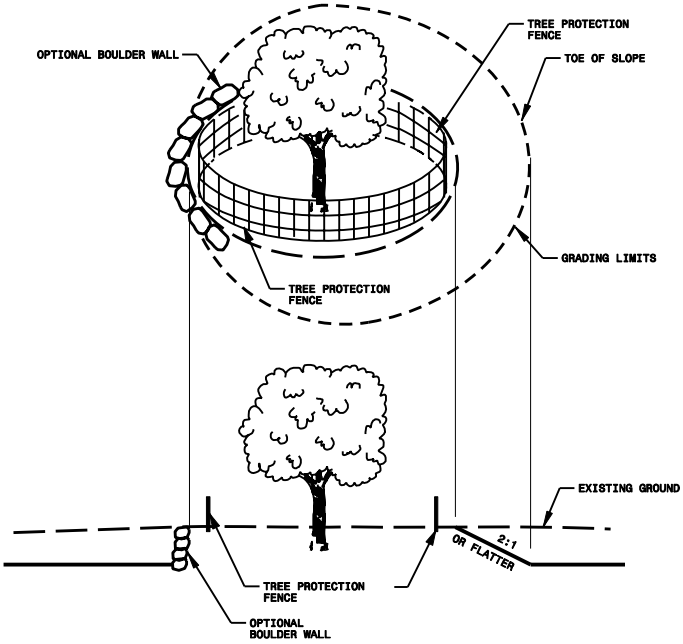
TEMPORARY SILT FENCE

SCALE: NTS



TEMPORARY CONSTRUCTION ENTRANCE

SCALE: NTS



TREE ISLAND

SCALE: NTS