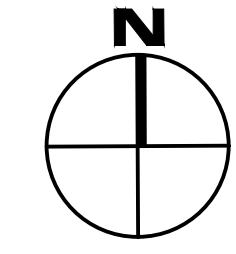


GENERAL NOTES:

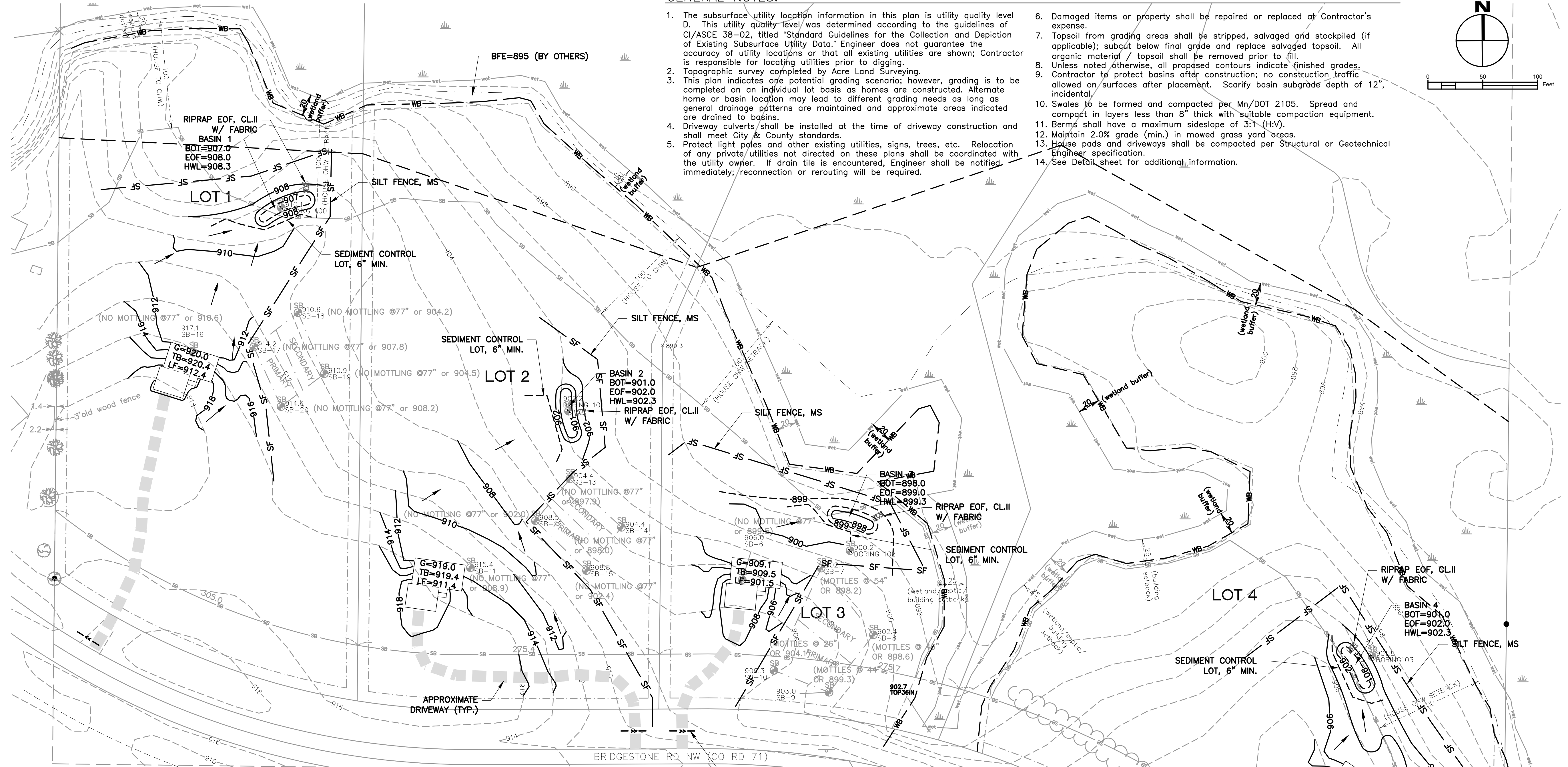
- The subsurface utility location information in this plan is utility quality level D. This utility quality level was determined according to the guidelines of C/ASCE 38-02, titled "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data." Engineer does not guarantee the accuracy of utility locations or that all existing utilities are shown; Contractor is responsible for locating utilities prior to digging.
- Topographic survey completed by Acre Land Surveying.
- This plan indicates one potential grading scenario; however, grading is to be completed on an individual lot basis as homes are constructed. Alternate home or basin location may lead to different grading needs as long as general drainage patterns are maintained and approximate areas indicated are drained to basins.
- Driveway culverts shall be installed at the time of driveway construction and shall meet City & County standards.
- Protect light poles and other existing utilities, signs, trees, etc. Relocation of any private utilities not directed on these plans shall be coordinated with the utility owner. If drain tile is encountered, Engineer shall be notified immediately; reconnection or rerouting will be required.
- Damaged items or property shall be repaired or replaced at Contractor's expense.
- Topsoil from grading areas shall be stripped, replaced and stockpiled (if applicable); subcut below final grade and replace salvaged topsoil. All organic material / topsoil shall be removed prior to fill.
- Unless noted otherwise, all proposed contours indicate finished grades.
- Contractor to protect basins after construction; no construction traffic allowed on surfaces after placement. Scarify basin subgrade depth of 12", incidental.
- Swales to be formed and compacted per Mn/DOT 2105. Spread and compact in layers less than 8" thick with suitable compaction equipment.
- Berms shall have a maximum sideslope of 3:1 (H:V).
- Maintain 2.0% grade (min.) in mowed grass yard areas.
- House pads and driveways shall be compacted per Structural or Geotechnical Engineer specification.
- See Detail sheet for additional information.



BENCHMARK
SEE SURVEY
DOCUMENTATION

LEGEND:

PROPERTY LINE	---
EASEMENT/BUFFER	---
WETLAND	---
CONTOUR	---
SPOT ELEVATION	▲
DRAINAGE DIRECTION	---
STORM SEWER / CULVERT	---
RIPRAP	▨
SILT FENCE	—SF—
SEDIMENT CONTROL LOG	---



SEDIMENT CONTROL & TURF RESTORATION NOTES:

- Perimeter sediment controls shall be installed as indicated prior to site disturbance, and shall be installed to allow for high-flow bypass or overflow to prevent failure during significant rainfall. Devices shall not back water up on adjacent properties.
- Contractor is responsible for keeping sediment from leaving the property, including vehicle tracking. Should sediment be tracked offsite onto adjacent street, Contractor shall sweep at the end of work day.
- Install silt fence or sediment control log around any soil stockpiles that will be present for more than 7 days.
- Devices shall be inspected weekly and after all rainfall events exceeding 1", and maintained as necessary to keep the intended functional condition.
- Accumulated sediment shall be removed from sediment control devices when 1/3 of device height has been reached.
- After rough grading is completed, and topsoil spread, areas shall be seeded and blanketed or mulched (or sodded) as soon as practical or within 7 days. Areas not being actively worked must be covered with temporary seed within 14 days.
- Random crushed riprap per Mn/DOT 3601 shall be of class and quantity as indicated, and shall include geotextile fabric (3733).
- Seed in mowed areas shall be Mn/DOT Mix 25-151 (3876) residential turf or approved equal. All other areas to be seeded with Mix 35-241 (native prairie).
- Seed infiltration basin, bioretention basin / rain garden bottoms with Mn/DOT Mix 33-261, or shall be planted with wet-tolerant "rain garden" plant plugs per planting plan.
- Prior to planting, bioretention basins shall be covered with hydraulic mulch matrix (3884) or Cat.10 blanket (3885). All other disturbed areas shall be covered with seed, fertilizer & straw mulch (or approved eq.).
- Any slope 3:1 or steeper shall include erosion control blanket, Cat. 20 (3885).
- Perimeter sediment controls shall remain in place until vegetation is growing / established in all disturbed areas.

DRIVEWAY CULVERT TO BE INSTALLED WHEN DRIVEWAY CONSTRUCTED PER CITY & COUNTY STANDARDS (TYP.)

Print Date: 6/27/2023 8:42 AM
 File Loc: C:\CIVIL\Methods, Inc\DWG\Projects\2023\17_Serenity at Seelye Brook\08_DRAWINGS AND SPECIFICATIONS\3D\Sheets\PRELIMINARY\1_GRADING.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o:763.210.5713 | www.civilmethods.com

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

DATE: 06-26-2023
 DAVID M. POGGI
 LIC. NO.: 44573

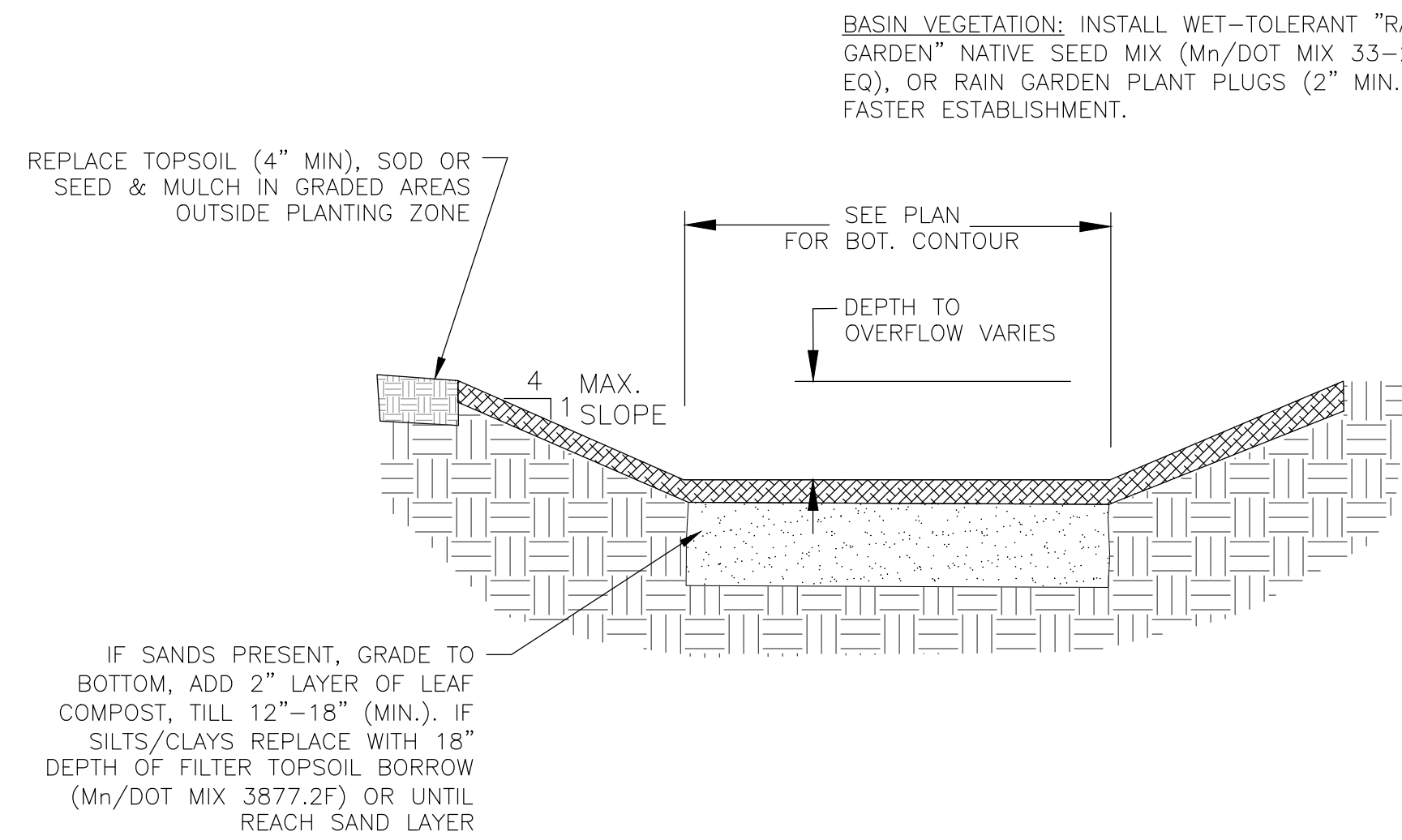
DATE / REVISION:
 05-18-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 06-26-2023 Revised per City comments.

SERENITY AT SEELYE BROOK
 ERIC VICKARYOUS
 ST. FRANCIS, MN

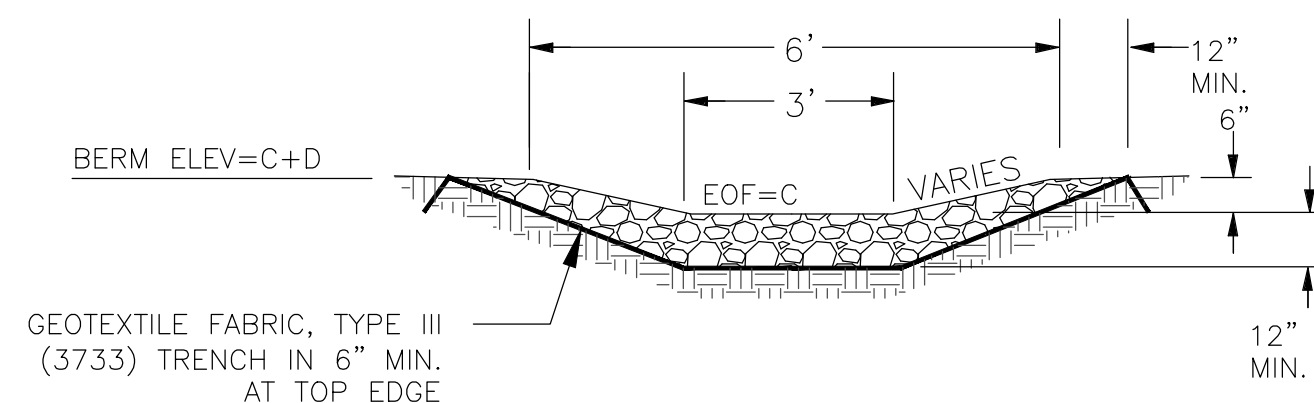
GRADING, DRAINAGE & EROSION CONTROL

SHEET NO:
1 of 2



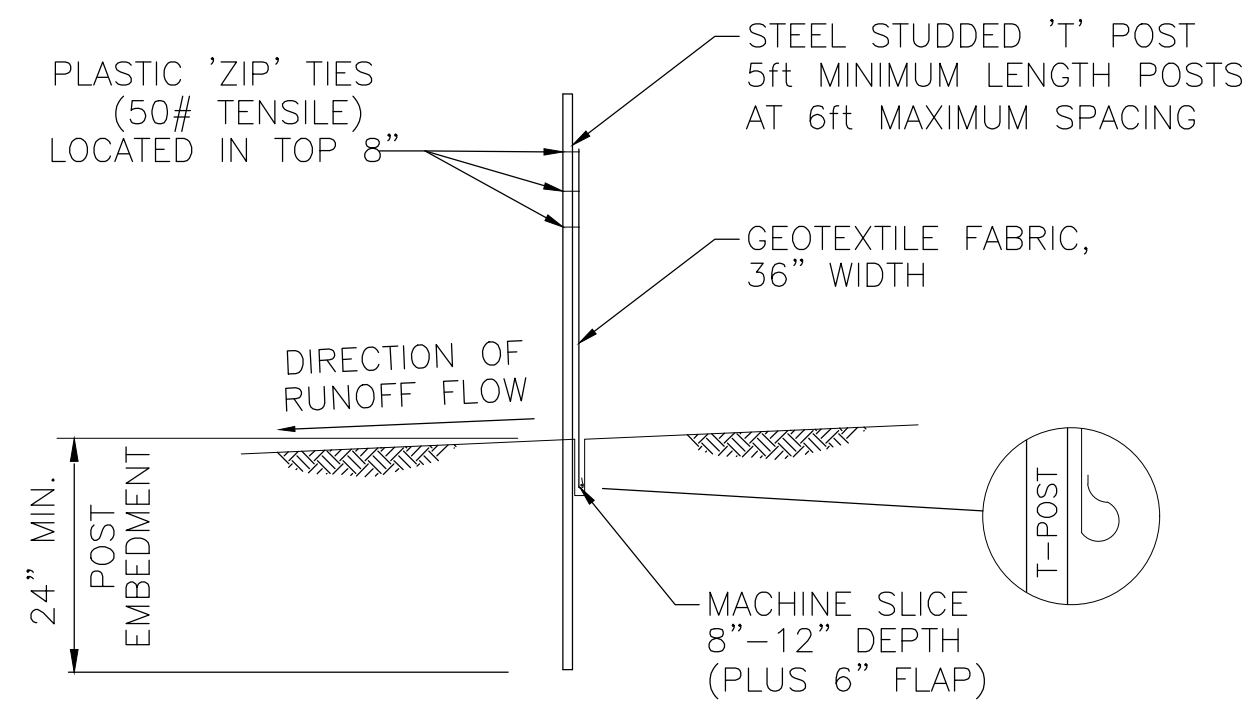


1 INFILTRATION BASIN / RAIN GARDEN

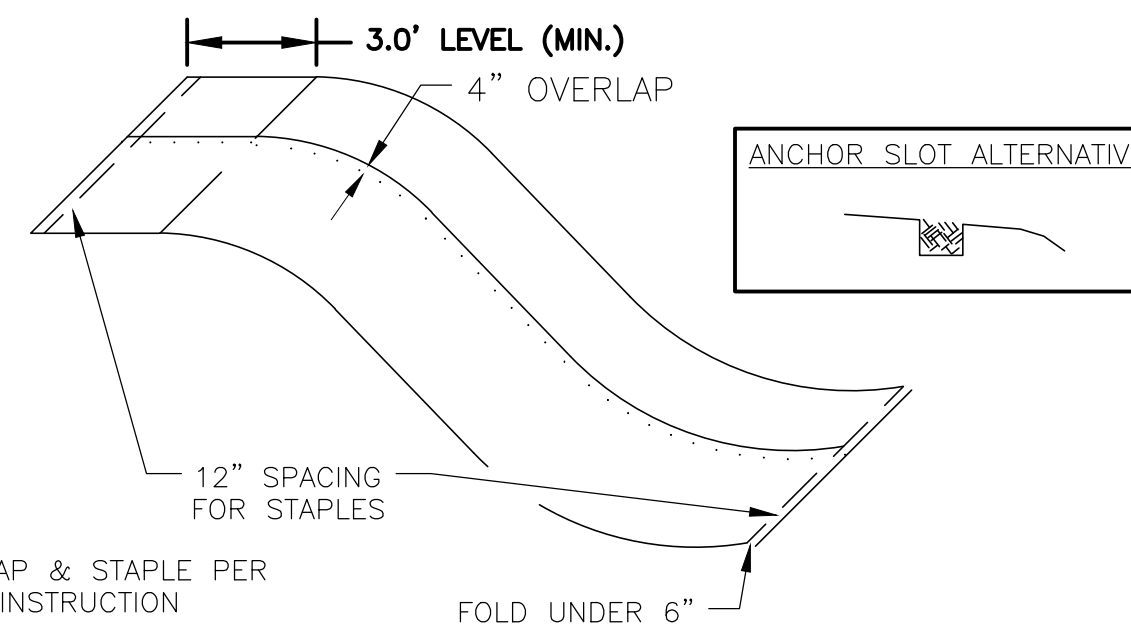


- NOTES:
 1) SEE PLAN FOR EOF ELEVATION.
 2) CLASS 2 RIPRAP TO BE PLACED TO PROVIDE A DEFINED WEIR AREA, TRENCHED IN A MIN. OF 12".

2 REINFORCED BASIN OVERFLOW

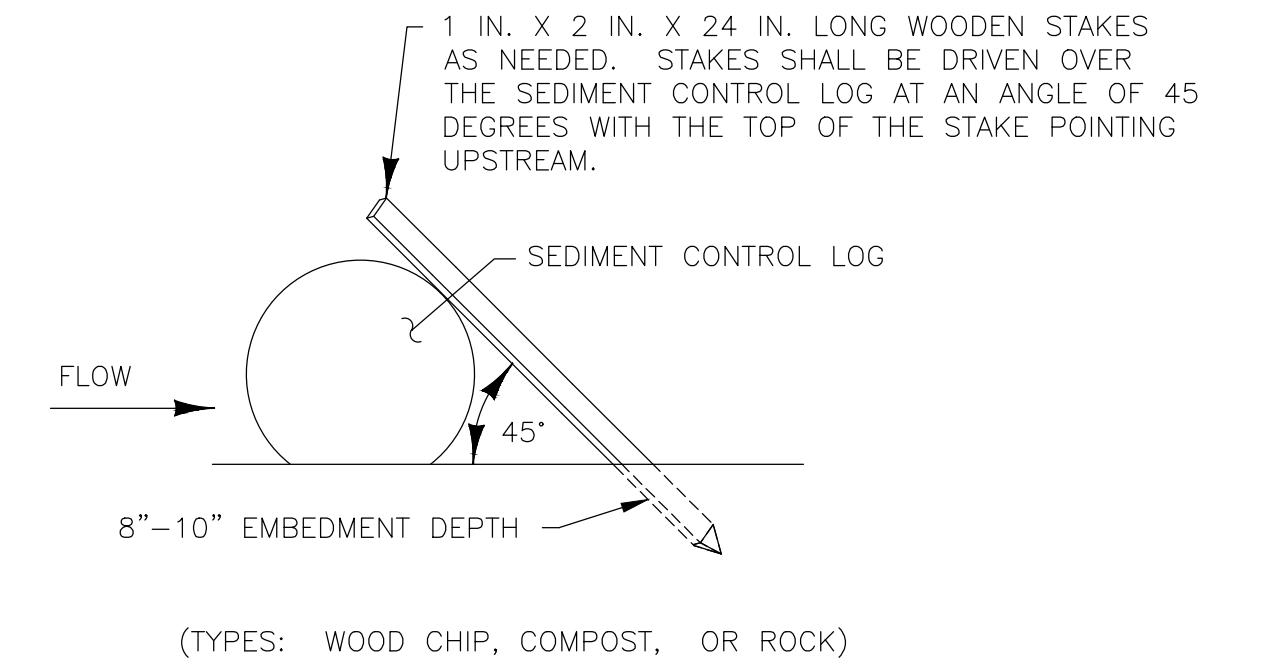


3 SILT FENCE - MACHINE SLICED

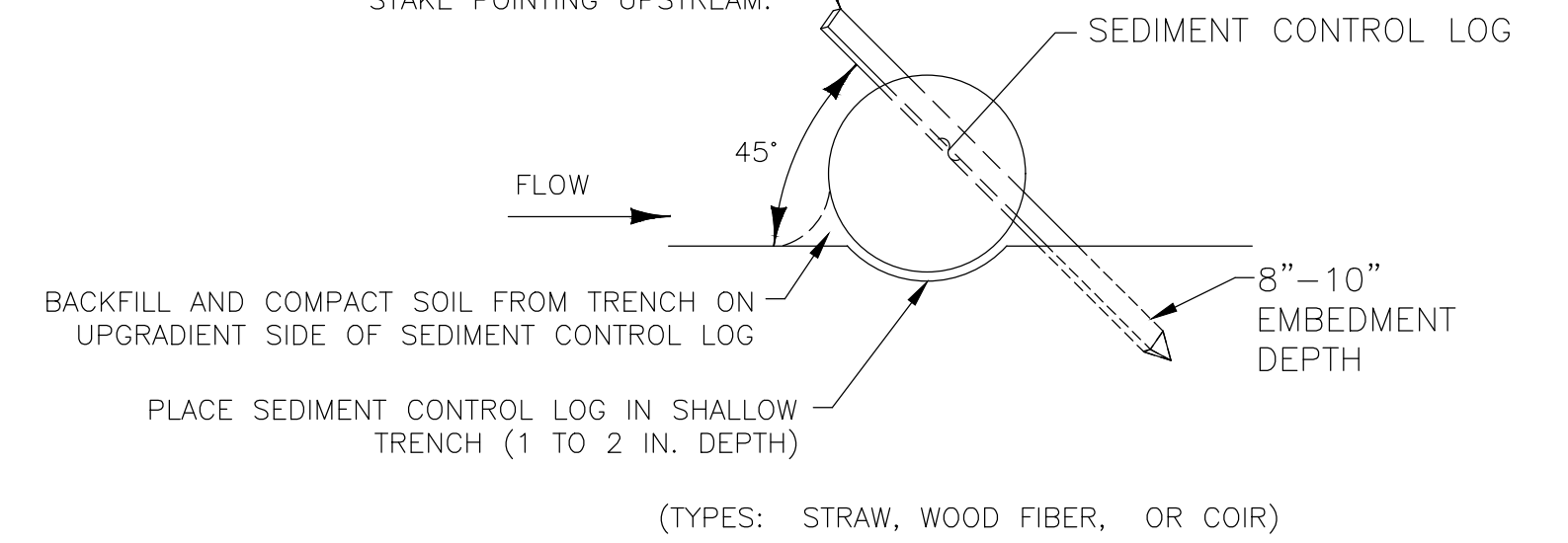


NOTE:
 ANCHOR, OVERLAP & STAPLE PER MANUFACTURER INSTRUCTION

4 EROSION CONTROL BLANKET INSTALLATION



1 IN. X 2 IN. X 24 IN. LONG WOODEN STAKES. STAKES SHALL BE DRIVEN THROUGH THE BACK HALF OF THE SEDIMENT CONTROL LOG AT AN ANGLE OF 45 DEGREES WITH THE TOP OF THE STAKE POINTING UPSTREAM.



5 SEDIMENT CONTROL LOGS