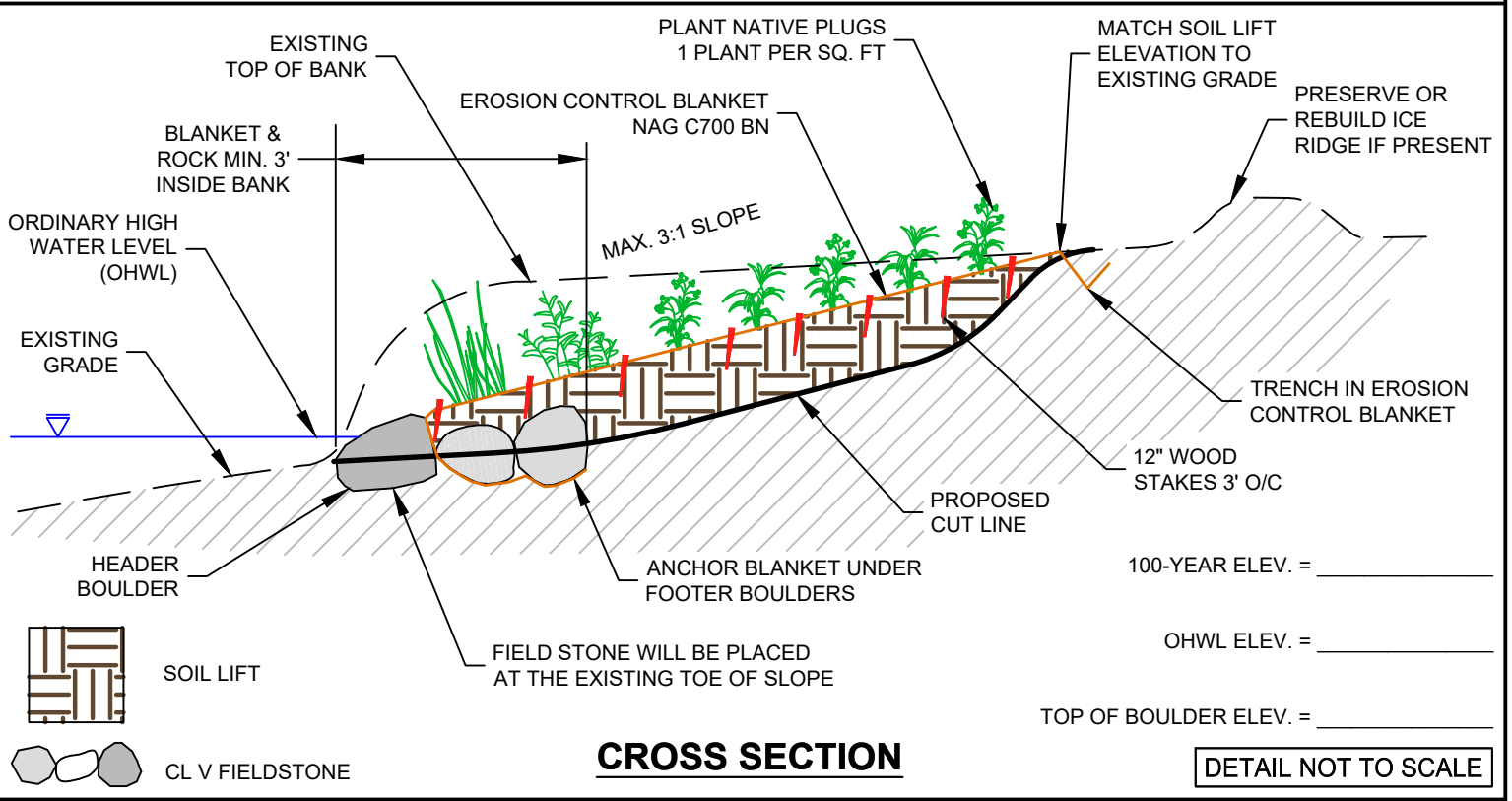


**PLAN**



**CROSS SECTION**

**DETAIL NOT TO SCALE**

*DETAIL IS INTENDED FOR GUIDANCE PURPOSES ONLY; PERMIT APPLICATION SHALL INCLUDE PROJECT-SPECIFIC DESIGNS & DETAILS FOR DISTRICT REVIEW. ADDITIONAL PERMITS MAY BE REQUIRED BEYOND DISTRICT PERMIT. PERMITTEE SHALL BE RESPONSIBLE FOR & ACQUIRE ANY ADDITIONAL REQUIRED PERMITS.*

- NOTES:**
1. ROCK SHALL BE CL V FIELDSTONE PER MNDOT SPEC 3601.
  2. ELEVATION OF TOP OF HEADER BOULDER SHALL BE AT THE BANK TOE ELEVATION.
  3. PLACE AND COMPACT SOIL FILL MATERIAL BETWEEN ROCKS TO FILL IN VOID SPACES. UTILIZE ONSITE SOILS FOR FILL MATERIAL. IF IMPORT OF SOIL IS NECESSARY IT SHOULD BE COMPRISED OF 85% SAND, 15% TOPSOIL TO SUPPORT NATIVE VEGETATION. MINIMUM DEPTH OF SOIL ABOVE TOP OF BOULDERS SHALL BE 6 INCHES.
  4. NAG C700 BN IS RECOMMENDED. IF SUBSTITUTED, BLANKET MUST BE PLASTIC NET-FREE AND BIODEGRADABLE.
  5. NAG C700 BN EROSION CONTROL BLANKET TO BE PLACED MINIMUM 3 FEET INSIDE BANK AND STAKED WITH 12" WOOD STAKES. PLACE BLACK DIRT ON TOP OF FILL MATERIAL AND WRAP BLANKET OVER SOIL TO COMPLETE THE LIFT. THE SLOPE OF THE SOIL LIFT SURFACE SHALL BE MAXIMUM 3:1.
  6. INSTALL NATIVE PLANT PLUGS IN THE SOIL LIFT BY CUTTING SMALL SLITS THROUGH THE BLANKET MATERIAL. MINIMUM PLANTING DENSITY OF 1 PLANT PER SQ. FT.
  7. PRESERVE ALL EXISTING WOODY VEGETATION ON SHORELINE.
  8. FLOATING SILT CURTAIN MUST BE INSTALLED BEFORE GRADING ACTIVITY AND REMAIN IN PLACE UNTIL VEGETATION ESTABLISHMENT.
  9. INSTALLATION OF CANADA GEESE DETERRENT MEASURES IS RECOMMENDED DURING PLANT ESTABLISHMENT.