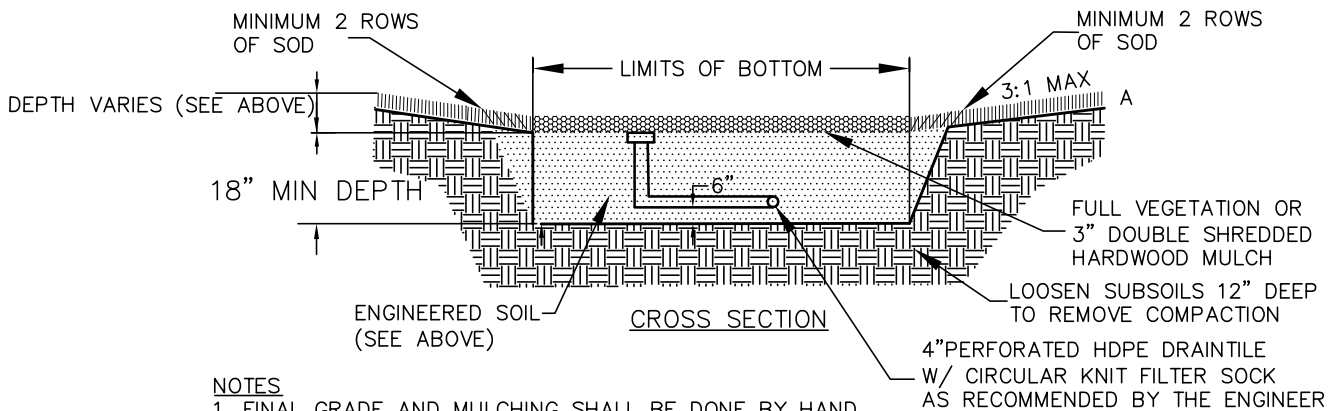


NOTE:
 RAIN GARDEN VEGETATION SHALL BE GARDEN VARIETY PERENNIALS, SHRUBS, OR NATIVE PLANTS FROM A CONTAINER (PLUG TO HALF GALLON SIZE) PLACED ACCORDING TO RECOMMENDED PLANT SPACING REQUIREMENTS OR AS APPROVED BY THE ENGINEER.

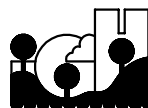
SUBSOIL TYPE	SUBSOIL TYPE	RECOM. DEPTH
A	SAND/GRAVEL	12"–18"
B	SAND WITH CLAY OR SILT	9"–12"
C	CLAY OR SILT WITH SAND	6"–9"
D	CLAYS OR SILTS	6"

ENGINEERED SOIL (DCSWCD MIX B)
 80% COARSE-WASHED SAND (MNDOT 3126)
 20% LEAF-LITTER COMPOST (ORGANIC, GRADE 2, MNDOT 3890)
 NO TOPSOIL OR ON-SITE SOILS MAY BE USED IN ENGINEERED SOIL MIX UNLESS APPROVED BY THE ENGINEER.
 3 RING INFILTRATOR TESTING AND INFILTRATION TEST ON ENGINEERED SOILS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

AREA OF ADDED IMPERVIOUS SURFACE AGREED TO BE TREATED (A) = _____ (SF)
 VOLUME OF STORM WATER TO BE STORED (0.29 X A) = _____(CF)



- NOTES**
- FINAL GRADE AND MULCHING SHALL BE DONE BY HAND.
 - NO EQUIPMENT WILL BE ALLOWED ON THE RAIN GARDEN AFTER EXCAVATION BEGINS.
 - PERIMETER EROSION CONTROL SHALL BE INSTALLED AND REMAIN IN PLACE UNTIL TURF IS ESTABLISHED AROUND RAIN GARDEN.
 - OWNER IS RESPONSIBLE FOR NOTIFYING ENGINEER FOR INSPECTION OF RAIN GARDEN FOR
 - FINALIZING RAIN GARDEN SIZE AND LOCATION.
 - OBSERVATION OF EXCAVATION AND SCARIFYING OF SUBSOIL.
 - APPROVAL TO BACKFILL WITH ENGINEERED SOILS.
 - FINAL INSPECTION WITH MULCH AND PLANTS INSTALLED.
 - GARDEN SIZE SHALL BE IN ACCORDANCE WITH THE MINIMUM GARDEN BOTTOM SIZE CALCULATED OR 12 SQUARE FEET, WHICHEVER IS GREATER.
 - OWNER SHALL MAINTAIN PER SMFMA AND REPORT O & M ACTIVITY ANNUALLY TO CITY ENGINEER.
 - FOLLOW CURRENT DAKOTA COUNTY SWCD LID STANDARDS.



RESIDENTIAL BIORETENTION BASIN

CITY OF INVER GROVE HEIGHTS
 ENGINEERING DEPARTMENT

01/17

PLATE NO.
 STM-15