RAINWATER GARDEN AND ROCK INFILTRATION SUMP PLAN VIEW

GARDEN SHALL NOT BE PLACED OVER UTILITIES (SAN, SEWER, WATER SERVICE, GAS SERVICE, ETC.)

INSTALL CONCRETE APRON OR TURF REINFORCEMENT MAT AS DIRECTED

CURB CUT LOCATION 5' CURB OPENING W/12" TRANSITIONS (TYP.) BOULEVARD TO SLOPE TOWARDS GARDEN 2" DEPRESSED MIDDLE SECTION

STAINLESS SEDIMENT TRAPS (SEE DETAIL)

NOTE: C&G BACKFILL IN 2.5' INCREMENTS FOR SODDING PURPOSES TO MATCH R/W AND GARDEN WIDTHS.

RAINWATER GARDEN AND ROCK INFILTRATION SUMP DETAIL

NORMAL GUTTER ELEVATION - DEPRESSED GUTTER
MIN. 2.5' @ -4% (0.1') (SEE NOTE ABOVE)

OPTIONAL CURB CUT W/ 2" DEPRESSED SECTION

STAINLESS SEDIMENT TRAP

GEOTEXTILE FILTER FABRIC, (TYPE V, NON-WOVEN, HIGH FLOW RATE, PROX 4553 OR APPROVED EQUIVALENT) MINIMUM 1" OVERLAP ON TOP OF SUMP

OVER EXCAVATE BEDS TO A MINIMUM DEPTH OF 8" IMMEDIATELY PRIOR TO PLACING BEDDING MATERIAL AND SHREDDED WOOD MULCH.

ROCK INFILTRATION SUMP (CLEAN CRUSHED ROCK, 1 1/2" CLEAN, 135#/CF)

CENTER SUMP BENEATH GARDEN

STANDARD RAINWATER GARDEN DETAIL WITH OR WITHOUT STORM DRAIN. WIDTH & LENGTH VARY. SEE RAINWATER GARDEN SCHEDULE IN PLANS FOR SIZES

BACKSLOPE TO MATCH EXISTING GRADE

SOD

MAX. 2" SHREDDED WOOD MULCH, TYPE 6

8" BEDDING MATERIAL (SEE BELOW)

DEPTH VARIES** (MIN. 3' DEPTH), (MAX. 6' DEPTH)

4" DRAIN TILE W/ SOCK IN CLAY SOIL EXTEND 1/3 INTO BASIN

*HIGH PERMEABILITY SOILS (SAND) - 3' DEPTH
LOW PERMEABILITY SOILS (CLAY) - 6' DEPTH

BEDDING MATERIAL FOR GARDEN
AREAS SHALL BE APPROXIMATELY 50% SALVAGED IN SITU TOPSOIL
50% CLEAN ORGANIC COMPOST (GRADE 2)
IMPORTED TOPSOIL, BORROW MAY NOT BE USED IN GARDEN AREAS.

SOURCE: DETAIL PROVIDED BY CITY OF MAPLEWOOD-MINNESOTA ENGINEERING DEPARTMENT.

RAINGARDEN.DWG

M:\9240\84\RAIN GARDEN.bw.png