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
STAUENER SEDIMENT TRAPS (SEE DETAIL)

RAINWATER GARDEN AND
ROCK INFILTRATION SUMP DETAIL

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

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

STAUENER SEDIMENT TRAP

OPTIONAL CURB
CUT W/ 2" DEPRESSED SECTION

GEOTEXTILE FILTER FABRIC,
(TYPE V, NON-WOVEN, HIGH FLOW RATE, PROFLEX 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, 15#/CF)

CENTER SUMP BENEATH GARDEN

DIA. = MIN. 16" (MAX. 36")
DEPHT VARIES* (MIN. 3' DEPTH)
(MAX. 6' DEPTH)

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

TYPICAL RAINWATER GARDEN SIZES
8' X 16' 10' X 20' 12' X 24'

BACKSLOPE TO MATCH EXISTING GRADE
3/1 MAX.
50D

MAX. 2" SHREDDED WOOD MULCH, TYPE 6
8" BEDDING MATERIAL (SEE BELOW)

RAINWATER GARDEN PREPARATION
EXCAVATE GARDEN AREA TO ACCOMODATE PLACEMENT OF 8" OF BEDDING MATERIAL
EXCAVATE & INSTALL ROCK INFILTRATION SUMP w/GEOTEXTILE FILTER FABRIC FILTER FABRIC SHALL COMPLETELY ENVELOPE ROCK SUMP SCARRIFY GARDEN AREA PRIOR TO PLACEMENT OF BEDDING MATERIAL PLACE A MINIMUM 8" OF BEDDING MATERIAL PLACE MAX. 2" SHREDDED WOOD MULCH, (MULCHING MATERIAL TYPE 6.)

*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.