SURFACE STORAGE
12" MAX.

V
A
V
B
V
D

TECHNICAL GUIDANCE MANUAL
URBAN TREE STORMWATER PLANTER BOX (1 OF 2) PROFILE VIEW

DEPRESSED CURB OPENING INTO STORMWATER PLANTER SYSTEM

GEOTEXTILE FABRIC WRAPPED AROUND TRENCH SIDES (SEE NOTE 6)

4" SOLID PERFORATED UNDERDRAIN (WRAPPED IN FABRIC FILTER CLOTH OR SOCK). CORRUGATED UNDERDRAINS NOT ACCEPTABLE.

NOTES:
1. STAKE WITH FLEXIBLE TIES FOR THE FIRST YEAR OR UNTIL TREE ESTABLISHED.
2. IRRIGATE TO ESTABLISH PLANTINGS PER LANDSCAPE DESIGNER. AT LEAST 1 INCH OF WATER PER WEEK FOR THE FIRST 3 YEARS.
3. CLEAN/REPLACE CURB DRAINS ANNUALLY AND REMOVE DEBRIS AS NECESSARY.
4. INSPECT UNDERDRAIN ANNUALLY, CLEAN AS NECESSARY.
5. PROTECT BASAL ROOT FLARE REFER TO MUNICIPAL PLANTING DETAIL (DO NOT BURY).

VOLUME CONTROL SURFACE STORAGE HWL

DEPRESSED CURB OPENING INTO STORMWATER PLANTER SYSTEM

ROOT BALL BASKET SHALL BE CUT TO REMOVE TOP 1/2 OF WIRE AND BURLAP

OBSERVATION WELL (SOLID ABOVE THE GROUND SURFACE)

VOLUME TYPE
SURFACE AREA
DEPTH
POROSITY
STORAGE VOLUME
VOLUME PROVIDED

V
A
: SURFACE STORAGE
1.00
1.00 X V
A

V
B
: MWRD EQ COMPOST PLANTING MEDIA MIX
0.25
0.50 X 0.25 X V
B

V
C
: SOIL - CELL SYSTEM OR STONE MIX
n - SEE NOTE 8
0.50 X n X V
C

V
D
: COARSE AGGREGATE (ABOVE INVERT)
0.36
0.50 X 0.36 X V
D

V
E
: COARSE AGGREGATE (BELOW INVERT)
0.36
0.36 X V
E

TOTAL

NOTES CONTINUED ON PAGE 2 OF THE URBAN TREE STORMWATER PLANTER BOX DETAIL.

TECHNICAL GUIDANCE MANUAL

URBAN TREE STORMWATER PLANTER BOX (1 OF 2) PROFILE VIEW

NOT TO SCALE