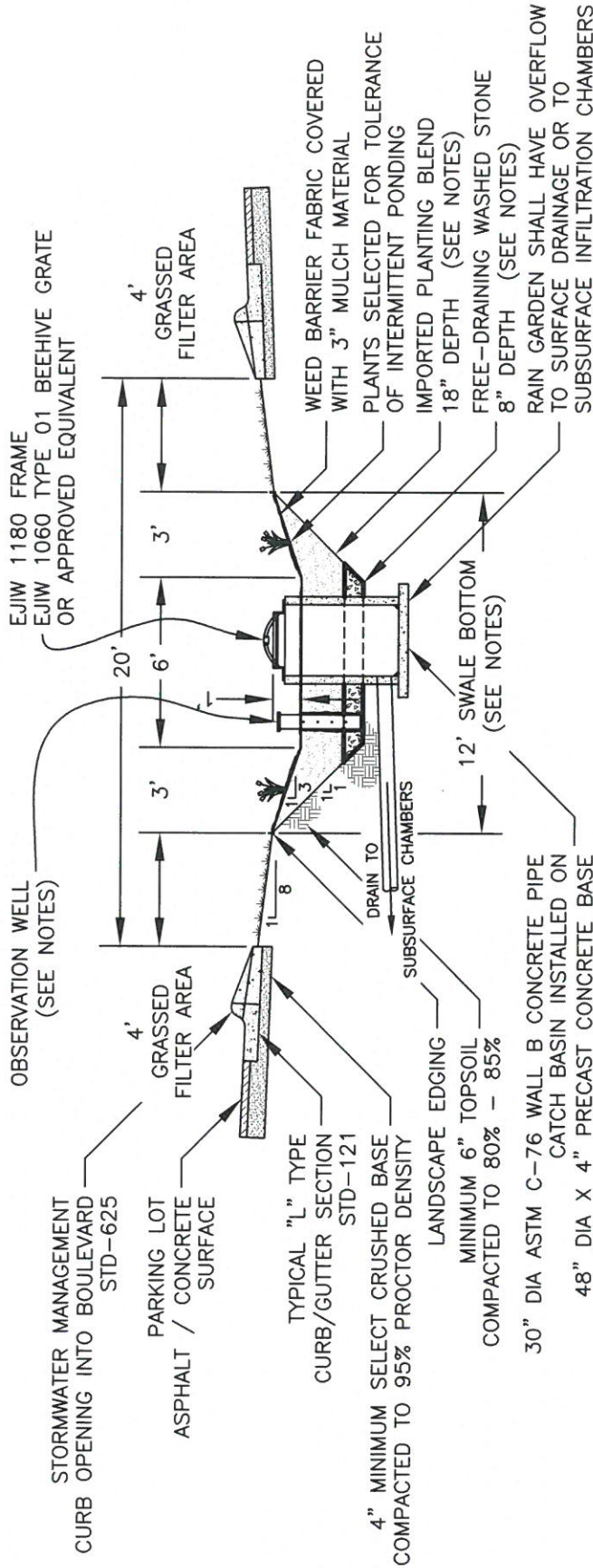


STORMWATER MANAGEMENT TYPICAL RAIN GARDEN – PARKING LOT



1. SUBSTITUTION OF 'EQUIVALENT' MATERIALS / PRODUCTS SHALL BE SUBMITTED TO AND APPROVED BY CITY ENGINEER PRIOR TO COMMENCEMENT OF WORK
2. ALL MATERIALS / PRODUCTS SHALL BE PLACED / INSTALLED AS PER MANUFACTURER SPECIFICATIONS FOR WARRANTY INSTALLATION
3. SWALE STORAGE VOLUME = 17 FT³/FT
4. BASED ON SOIL TYPE, PERFORM SOIL CLASSIFICATION
5. 12' SWALE BOTTOM IN SITU SOILS SHALL NOT BE COMPACTED IF COMPACTION OCCURS RIP COMPACTED SURFACE TO A DEPTH OF 18"
6. GRASS FILTER STRIP, COMPACTED TO 80% - 85%, INSTALLATION SHALL HAVE ONE OF THE FOLLOWING OPTIONS SELECTED:
 - 6.1. SOD SHALL BE LAID
 - 6.2. AREA SHALL BE HYDROSEEDED AND HYDROMULCHED
 - 6.3. EROSION CONTROL BLANKET, NAG S75BN OR EQUIVALENT SHALL BE INSTALLED AFTER SEEDING
7. OBSERVATION WELL, ONE REQUIRED PER RAIN GARDEN, SHALL BE:
 - 7.1. 36" X 6" SCH40 PVC PIPE SECTION
 - 7.2. DRILLED WITH 1/2" Holes ON FOUR FACES OF SCH40 PVC PIPE SECTION @ 6" O.C.
 - 7.3. INSTALLED AND SECURED PIPE CAP ON SCH40 PVC PIPE SECTION OBSERVATION WELL
 - 7.4. WRAP SCH40 PVC PIPE SECTION IN FILTER FABRIC TO PREVENT SOIL CONTAMINATION IN OBSERVATION WELL
8. IMPORTED PLANTING BLEND, COMPACTED TO 80% - 85%, SHALL BE:
 - 8.1. 20% - 30% SCREENED / CLEAN TOPSOIL
 - 8.2. 50% - 60% CLEAN SAND
 - 8.3. 20% - 30% PEAT MOSS OR CERTIFIED COMPOST
6. FREE-DRAINING ANGULAR / CRUSHED WASHED STONE 3/4" DIAMETER - 2" DIAMETER MATERIAL AND SURROUNDED WITH TENCATE MIRAFI(R) RSi SERIES GEOTEXTILE OR APPROVED EQUIVALENT - TOP, BOTTOM AND ALL SIDES - OVERLAP SEAMS AND SECURE IN-PLACE



Engineering Division

Stormwater Management Typical Rain Garden - Parking Lot

Kevin J. Slovarp

Approved By
City Engineer
Kevin J. Slovarp

Adopted: 10/25/2013
Revised: 06/28/2017

STD - 627