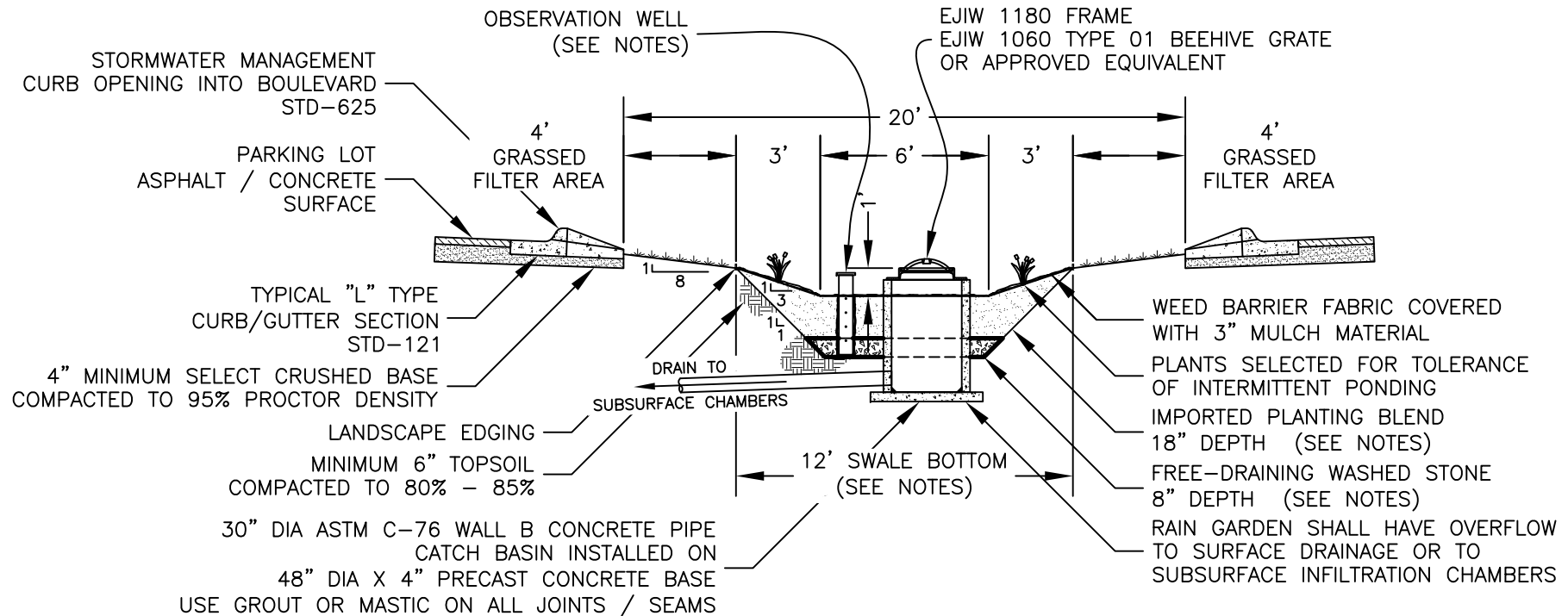




# STORMWATER MANAGEMENT TYPICAL RAIN GARDEN – PARKING LOT



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 FT<sup>3</sup>/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"Ø SCH40 PVC PIPE SECTION
  - 7.2. DRILLED WITH 1/2"Ø 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

Stormwater Management  
Typical Rain Garden - Parking Lot

*Kevin J. Stovarr*

Approved By  
City Engineer  
Kevin J. Stovarr

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