FIGURE 14.1
POROUS LANDSCAPE DETENTION

Curb & Cutoff with 12" to 24" Curb Cut 20' Max. on Center
Grassed Slope and Bottom
Soil Riprap or Cobblestone D<sub>50</sub> = 4" at Curb Cuts
Clean-Out
4" perforated underdrain for conditions where Type C & D soils are present, 10' Max. on Center, with clean-outs

Plan
Not to Scale

Section A

4" perforated underdrain in gravel bedding at minimum of 1% slope where Type C & D soils are present (underdrain not required for sandy/gravely soils).

Curb & Cutoff with Curb Cut
Soil Riprap or Cobblestone D<sub>50</sub> = 4" at Curb Cuts
Grassed Slope and Bottom
WQC Water Surface
Overflow Outlet Structure, access steps may be required
5" Min./12" Max. Average Depth (WQC)

18" Min. (2/3 ASTM C-33 Sand and 1/3 Peat Mix)
* When underdrains not used, may substitute Class 1 compost for Peat

Gravel Layer, 8" Min., replace with C-33 Sand and eliminate underdrain if site is suitable for infiltration into ground (i.e., Type A or B soils)

Non-Woven Geotextile Fabric with AOS U.S. Standard Sieve #50 to #70 Equivalent Openings
Non-Woven Geotextile Fabric with AOS U.S. Standard Sieve #50 to #70 Equivalent Openings. Use 15 mil (min.) thick impermeable liner when expansive soils are present or when infiltration into ground is not desired.

City and County of Denver
Department of Public Works
Wastewater Management Division
Porous Landscape Detention

Revised
City

By
Date
For further details for storm water management covering retention/detention and surface disposal please refer to AISI publication "Modern Sewer Design", Second Edition 1990, Chapter 6 titled "Storm Water Detention & Subsurface Disposal" (Page 161).

Figure 1.12  Backfilling underground stormwater management detention facility consisting of 8 lines of 96 inch diameter C.S.P.
4.4.6.6 Example Schematics

Figure 4-68. Example Underground Detention Pipe System