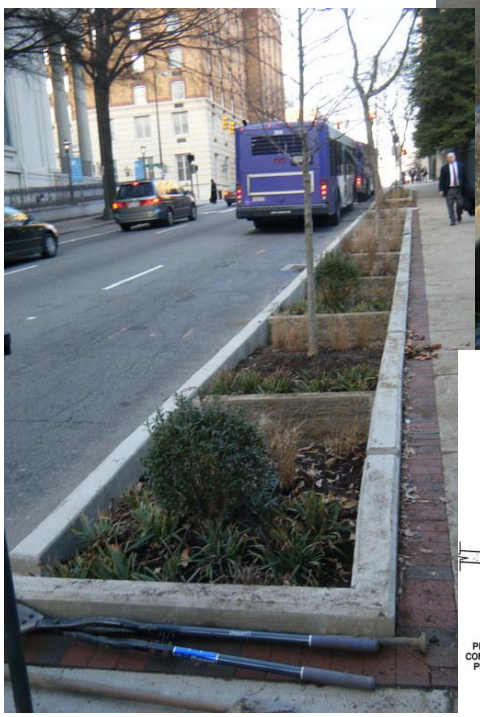
Tour Guide – 9th Street Bioretention Planters

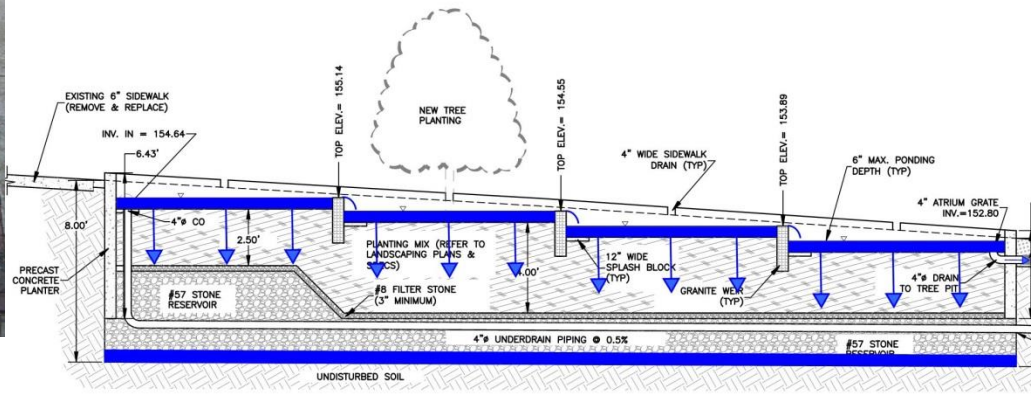
A series of six curbside bioretention planters were constructed along 9th Street, to the west of the Capitol grounds. These were installed in place of half the width of the existing 13' wide concrete sidewalk. In addition to native grasses and shrubs, these planters also incorporate native deciduous shade trees that complement the existing mature street trees located along this block.

The planter design takes into account the steep slope of 9th Street (6.5%). In order to capture and infiltrate runoff, special drainage inlet grates are utilized and the flow though the planters is controlled by a series of weirs (constructed from the granite curbs that were removed). The flat grade of the bottom of these planters encourages maximum infiltration. The combined annual runoff reduction from these walkways is approximately 200,000 gallons.



Design Information:

- 4' Wide Planters
- Lengths Vary; 25' – 77'
- Flat Subgrade
- No Underdrain Piping
- Drainage Area is Approximately 51,000 SF



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