

5.0 Stormwater Planter

5.6 STORMWATER PLANTER SPECIFICATIONS

CONSTRUCTION NOTES

1. The contractor shall verify all information prior to excavation including elevations and locations of existing utilities.
2. The contractor shall notify the engineer immediately if any field conditions differ materially from those represented on these drawings and the specifications or if, in the contractor's opinion, said conditions conflict with the designs shown hereon.
3. The structural wall shall be 6 inches above sidewalk as a safety precaution. For a curb-side planter, the structural wall adjacent to the roadway shall be level with the existing curb. The rise of the structural wall shall have a 3:1 slope as shown in detail 5.4.
4. The grate or lid must be installed prior to backfilling.
5. Sand shall at the minimum conform to the sieve analysis for concrete aggregate sand (ASTM c-33). USGA tee/green sieve gradation mix is preferable where available.
6. The approval of materials and mixing of sand, compost, and soil shall be done under the supervision of the project engineer/landscape architect.
7. Underlying soils shall be tilled/scarified prior to spreading/mixing of bioretention media.
8. The stormwater planter shall be staked out and approved by the engineer prior to installation.
9. The separation fabric shall be installed prior to backfilling the stormwater planter.
10. All bioretention media shall be placed from the sides of the facilities, and in no event shall any tracked or wheeled equipment be permitted to cross the planter base.
11. All areas exclusive from the stormwater planter and trench drain shall be restored to original conditions.

SPECIFICATIONS

1. Bioretention media shall be comprised of 70% sand and 30% compost mixture.
2. The choker course shall be comprised of 3/8" pea gravel.
3. The storage layer and compacted aggregate layer shall be comprised of DOT No. 57 washed stone.
4. Refer to the site plan for dimensions and the planting plan.
5. The structural wall shall be a deep concrete curb in conformance with the NJDOT Standard Specifications for Road and Bridge Construction, 2007 or latest version.
6. The contractor shall only use concrete with 4,500 psi strength.