

## SOIL AMENDMENT INFILTRATION CREDIT

Applicants may receive credit towards the infiltration volume requirement by amending on site soils to meet post construction soil quality and amendment depth requirements. Areas that will be subjected to clearing, grading, or compaction that will not be covered by impervious surface, incorporated into a drainage facility, or engineered as structural fill or slope may be included in the credit calculation if they meet post construction soil quality and amendment depth requirements. The applicant may compute a credit of 0.5 inches over the soil amendment area and apply that toward the abstraction volume requirement. Applicant must include in the project review submittal a plan sheet showing all areas where soil will be amended and protected from recompaction once amended; a plan detail showing the proposed amended soil cross section; a soil specification indicating how the applicant will achieve the required organic content in the amended soil; and credit computations.

- (1) A minimum 8-inch depth of compost amended soil or imported topsoil shall be placed in all areas of the project site being considered for the abstraction credit. Before the soil is placed, the subsoil must be scarified (loosened) at least 4 inches deep, with some incorporation of the amended soil into the existing subsoil to avoid stratified layers.
- (2) Soil amendment may be achieved by either mixing 2 inches of approved compost into the 8 inches of soil depth, or by mixing a custom-calculated amount of compost to achieve 8 inches of soil depth with a minimum organic content of five percent.
- (3) The amended areas must pass a 12-inch probe test during the site final inspection by the City. Once amended, soil areas must be protected from recompaction.

**Credit to be computed as follows:**  $\text{Total amended area (sf)} \times 0.5''/12'' = \text{Total credit volume (cf)}$

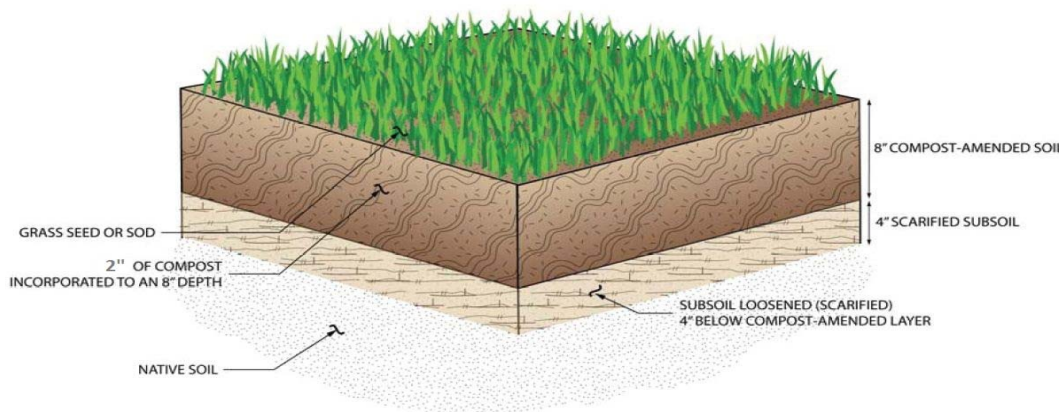


Figure 1: Shingle Creek / West Mississippi Watershed Management Commissions' amended soil standard