

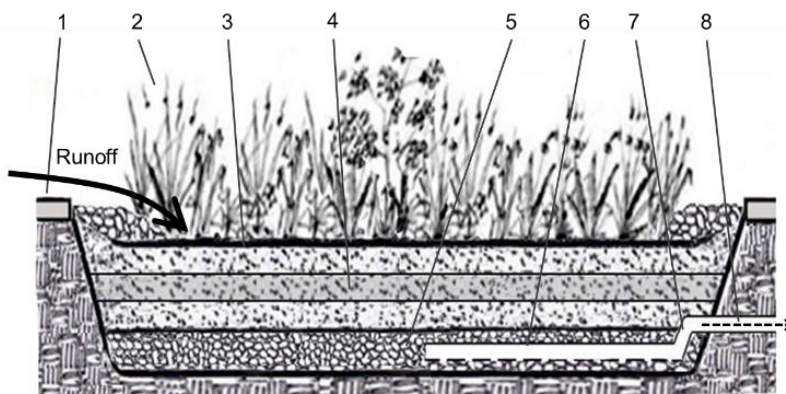
BioMax™ Media Application for Bioswales

The following sections describe general guidelines and recommendations for BioMax media application for bioswales. Always follow design specifications for proper Bioswale and Rain Garden performance. The following recommendations are intended for optimum Biomax performance, within design parameters.

Construction

1. Once the designated area is excavated, a gravel layer will be placed at the bottom. The gravel stone size is not greater than 0.25 inches diameter (#57 gravel or equivalent) and pre-washed gravel is recommended.
2. After the gravel is placed, the soil and BioMax media will be placed. ABS Materials recommends soil be a mixture of 60% sand, 20% topsoil and 20% leaf compost with a maximum clay content of less than 5%. Soil pH of 6.5 – 7.5 and 5 – 10% of organic matter content, or as specified.
3. Following the excavation and installation of gravel beds and underdrains, bring in enough soil to bring rough grade to 12" below planned finish grade.
4. Spread 6" of specified soil mix evenly across the project. Evenly spread .25 cubic feet of BioMax per 100 square feet of surface area. Mix to a uniform 6" depth, using site appropriate tools (shovels and rakes for small jobs, rototillers for larger projects). Smooth to a loose medium grade.
5. Apply final 6" to finish grade, plant and mulch as specified.

Concept Image: Cross-Section of BioMax Bioswale



(1) Parking lot, (2) Plant, (3) Fill media, (4) **BioMax fill media**, (5) Gravel layer, (6) Underdrainage pipe, (7) Reverse effluent pipe, and (8) Storm drain

Figure 1. Cross-section view of BioMax media enhanced bioswale.

