

Delaware
Sediment and Stormwater Program
Technical Document

Article 3.06
Sediment and Stormwater
BMP Standards and Specifications

3.06.1
Delaware Erosion and Sediment Control Handbook

3.06.2
Post Construction Stormwater BMP
Standards and Specifications

3.06

Sediment and Stormwater BMP Standards and Specifications

Best Management Practices (BMPs) are the tools used to prevent erosion and discharges of sediment during construction, as well as those used to mitigate the effects of a land use change on stormwater runoff. Two broad categories of Sediment and Stormwater BMPs exist: construction site BMPs and post construction BMPs.

Erosion and Sediment Control BMPs

Construction site erosion and sediment control BMPs are implemented prior to and throughout construction to prevent erosion and capture sediment. The Delaware Erosion and Sediment Control Handbook, included as Appendix 3.06.1, contains standard details for erosion and sediment control BMPs to be implemented on construction sites. These standard details may be included, as provided in the Handbook, on the Sediment and Stormwater Management Plan. Some of these standard details require data block information to be provided based upon site conditions.

Erosion and sediment controls used on construction sites time and time again are standardized so that the individuals that implement these BMPs may implement the BMP in practically the same way each time. Construction site erosion and sediment control BMPs included in the Delaware Erosion and Sediment Control Handbook are not permanent BMPs; they are temporary BMPs to be implemented during construction.

Stormwater Management BMPs

Following construction of a project, the land use change and/or manipulation and compaction of the soil can cause an increase in the amount of stormwater runoff from the project site. In addition, pollutants in the runoff need to be managed post construction.

The Standards and Specifications for Post Construction Stormwater BMPs contained in Appendix 3.06.2 provide criteria for design of permanent post construction stormwater management BMPs. Standard details are not provided; post construction stormwater BMPs require individual design and individual details.

Additional Resources

Also included in this article are resources for design of ponds, conveyance systems, and structures. Appendices have been provided for soil investigation procedures, hotspots, and landscaping criteria. All of this information supports the design criteria for the Post Construction Stormwater Management BMPs.