

Philadelphia Stormwater Management Guidance Manual

Version 2.0

The following list summarizes the significant changes introduced with Version 2.0 of the Philadelphia Stormwater Management Guidance Manual. Please note, this is not a complete list of all changes.

Earth Disturbance: Section 2.1: Earth Disturbance has been added to provide more information on how to calculate the limits of earth disturbance.

Applicability: Section 2.2: Determining Applicability has been expanded to discuss the applicability of Conceptual Reviews, Erosion and Sediment Control, Watershed Specific Requirements, the Philadelphia Water Department (PWD) Stormwater Management Regulations, and Public Health and Safety Rates.

Conceptual Review: All projects that generate an earth disturbance of 5,000 square feet or more must submit an ERSA worksheet to PWD for conceptual review. Refer to **Section 3:** Site Planning for more information.

Green Project Review: Projects that are able to disconnect 95% or more of the post construction Directly Connected Impervious Area (DCIA) may be eligible for a 5-day project review time. Refer to **Section 4.2.1:** Green Project Review for more information.

Tree Credits: New trees must now be planted within 10 feet of ground level DCIA to be eligible for the 100 square foot tree credit. Refer to **Section 4.2.4:** Maximize Tree Canopy over Impervious Cover.

Water Quality: When infiltration is not feasible all or a portion of the water quality volume must be routed through PWD-approved stormwater management practices that provide volume reduction, flow attenuation and water quality treatment. Refer to **Section 4.3.1:** Estimate Level of Control Needed for more information.

Erosion and Sediment Pollution (E & S) Control: Section 5.1: Erosion and Sediment Pollution Control Plan has been added to provide more information on the requirements for E & S Control.

Rational Method: The use of the Rational Method will no longer be accepted for runoff estimation. Refer to **Section 5.3.2:** Runoff Estimation for more information.

Predevelopment Condition: The predevelopment condition for runoff calculation is defined as the dominant land use for the previous ten (10) years. Refer to **Section 5.3.2:** Runoff Estimation for more information.

Flood Control: For the purposes of Flood Control calculations, all nonforested, pervious area and 20% of existing impervious area must be considered meadow. Refer to **Section 5.3.2:** Runoff Estimation for more information.

Sections 6, 7, and 8: Previous Section 6.1, 6.2. and 6.3 have been converted into **Section 6:** Utilizing Existing Site Features, **Section 7:** Stormwater Management Practice Design Guidelines, and **Section 8:** Landscape Guidance.

Waiver Request Forms: Standard waiver request forms for release from the infiltration requirement and the 3-inch minimum orifice size are available in **Appendix F.4:** Special Circumstances and Waiver Requests.

Worksheets: Worksheets 2 and 3 have been updated and are now Worksheet 2: Directly Connected Impervious Area, Worksheet 3A: Water Quality, Channel Protection, and Worksheet 3B: Flood Control. Refer to **Appendix E:** Worksheets and Checklists for more information.