



Site Development Stormwater Plan Checklist

A Site Development Stormwater Plan must include the following information, as set forth in Section 400.14, Requirements for a Site Plan Development Stormwater Plan, of Chapter 400, Drainage & Stormwater Management, Middlesex County Land Development Standards:

i. Topographic Base Map

The reviewing engineer may require upstream tributary drainage system information as necessary. It is recommended that the topographic base map of the site be submitted, which extends a minimum of 200 feet beyond the limits of the proposed development, at a scale of 1"=200' or greater, showing 2-foot contour intervals. The map as appropriate may indicate the following, if present: existing surface water drainage, shorelines, steep slopes, soils, erodible soils, perennial or intermittent streams that drain into or upstream of the Category One waters, wetlands and flood plains along with their appropriate buffer strips, marshlands and other wetlands, pervious or vegetative surfaces, existing man-made structures, roads, bearing and distances of property lines, and significant natural and manmade features not otherwise shown.

ii. Environmental Site Analysis

A written and graphic description of the natural and man-made features of the site and its surroundings should be submitted. This description should include a discussion of soil conditions, slopes, wetlands, waterways and vegetation on the site. Particular attention should be given to unique, unusual, or environmentally sensitive features and to those that provide particular opportunities or constraints for development.

iii. Project Description and Site Plan

A map (or maps) at the scale of the topographical base map indicating the location of existing and proposed buildings roads, parking areas, utilities, structural facilities for stormwater management and sediment control, and other permanent structures. The map(s) shall also clearly show areas where alterations will occur in the natural terrain and cover, including lawns and other landscaping, and seasonal high groundwater elevations. A written description of the site plan and justification for proposed changes in natural conditions shall also be provided.

iv. Land Use Planning and Source Control Plan

This plan shall provide a demonstration of how the goals and standards of Sections 400.8 through 400.10 of Chapter 400 are being met. The focus of this plan shall be to describe how the site is being developed to meet the objective of controlling groundwater recharge, stormwater quality and stormwater quantity problems at the source by land management and source controls whenever possible.

v. Stormwater Management Facilities Map:

The following information, illustrated on a map of the same scale as the topographic base map, shall be included:

1. Total area to be disturbed, paved or built upon, proposed surface contours, land area to be occupied by the stormwater management facilities, and the type of vegetation thereon, and details of the proposed plan to control and dispose of stormwater.
2. Details of all stormwater management facility designs, during and after construction, including discharge provisions, discharge capacity for each outlet at different levels of detention, and emergency spillway provisions with maximum discharge capacity of each spillway.

vi. Calculations:

1. Comprehensive hydrologic and hydraulic design calculations for the pre-development and post-development conditions for the design storms specified in Section 400.9 of this Chapter.
2. When the proposed stormwater management control measures depend on the hydrologic properties of soils or require certain separation from the seasonal high water table, then a soils report shall be submitted. The soils report shall be based on onsite boring logs or soil pit profiles. The number and location of required soil borings or soil pits shall be determined based on what is needed to determine the suitability and distribution of soils present at the location of the control measure.

vii. Maintenance and Repair Plan:

The design and planning of the stormwater management facility shall meet the maintenance requirements of Section 400.15.