



DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE COMMAND

10 September 2021

MEMORANDUM FOR DISTRIBUTION

FROM: 439 CE/BCE

SUBJECT: Westover Policy for the Design of Stormwater Management Systems

1. **REGULATION.** In accordance with Sections 2.3.6.a.ii and 5.1.2 of Westover's National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) in Massachusetts, a written policy must be created to ensure compliance with the Permit's construction design requirements. The objective is to reduce the discharge of pollutants found in stormwater through the retention or treatment of stormwater after construction on new or redeveloped sites.
2. **APPLICABILITY:** This policy is applicable to the design of new development and redevelopment sites that disturb ONE or more acres.
3. **REQUIREMENT:** The following five items must be met for new developments and redevelopments.
 - a. Low Impact Development site planning and design strategies must be implemented unless infeasible;
 - b. Stormwater management system design shall be consistent with, or more stringent than, the requirements of the 2008 Massachusetts Stormwater Handbook;
 - c. Stormwater management systems on **NEW** development shall be designed to meet an average annual pollutant removal equivalent to 90% of the average annual load of Total Suspended Solids (TSS) related to the post-construction impervious area on the site AND 60% of the average annual load of Total Phosphorus (TP) related to the total post-construction impervious surface area of the site;
 - d. Stormwater management systems on **RE**-development sites shall be designed to meet an average annual pollutant removal equivalent to 80% of the average annual post-construction load of TSS AND 50% of the average annual load of TP related to the total post-construction impervious surface area on the site;
 - e. Finally, because all of the receiving waters are within the watershed of the Long Island Sound, which is impaired for Nitrogen, stormwater management best management practices (BMPs) must be optimized for nitrogen removal.

4. This policy is effective immediately. References and more details about the requirement set forth in this policy can be found in Attachment 1. Compliance matters and any questions about Westover's Stormwater Program can be directed to Champanine Saviengvong, Environmental Engineer, at 413-557-3951.

5. Per MS4 Permit Appendix B, Part B.11.D, documents generated under the terms of this permit must include the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

David B. Morin, PE
Base Civil Engineer

ATTACHMENT:

1. Additional Information on the Policy for Stormwater Management System Design

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439 Mission Support Group
439 Civil Engineering
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