



STANDARD SWM PLAN NO. \_\_\_\_\_

HARFORD COUNTY GOVERNMENT  
DEPARTMENT OF PUBLIC WORKS  
212 S. BOND STREET, 3<sup>RD</sup> FLOOR, BEL AIR, MD 21014  
PHONE: 410.638.3509 FAX: 410.893.3849

**STANDARD STORMWATER MANAGEMENT PLAN APPLICATION  
FOR SINGLE LOT RESIDENTIAL CONSTRUCTION**

BUILDING PERMIT NO.	_____
STANDARD ESC PLAN NO.	_____

**PROJECT INFORMATION**

\_\_\_\_\_

Project Address (No. & Street) \_\_\_\_\_ City/Town \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Tax Map \_\_\_\_\_ Parcel \_\_\_\_\_ Lot No \_\_\_\_\_ ADC Map/Grid \_\_\_\_\_

Lot Size \_\_\_\_\_ Sq Ft Total Disturbed Area \_\_\_\_\_ Sq Ft Total Impervious Area \_\_\_\_\_ Sq Ft

**PROPERTY OWNER INFORMATION**

\_\_\_\_\_

Property Owner Name \_\_\_\_\_ Home Phone/Cell \_\_\_\_\_ E-mail Address \_\_\_\_\_

\_\_\_\_\_

Present Address (No. & Street) \_\_\_\_\_ City/Town \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**APPLICANT INFORMATION (FILL ONLY IF DIFFERENT FROM ABOVE)**

\_\_\_\_\_

Company Name \_\_\_\_\_ Office Phone \_\_\_\_\_ Web Address \_\_\_\_\_

\_\_\_\_\_

Company Applicant Name \_\_\_\_\_ Phone & Ext./Cell \_\_\_\_\_ E-mail Address \_\_\_\_\_

\_\_\_\_\_

Address (No. & Street) \_\_\_\_\_ City/Town \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**CERTIFICATION**

I certify that I have the authority to make application to this Standard SWM Plan; that the information contained herein is correct and accurate; and that all clearing, grading, construction and development will be conducted according to the Requirements, Conditions and Project Information. This application is not valid without front and back printed as determined by the Department of Public Works.

**IF THE APPLICANT IS SOMEONE OTHER THAN THE OWNER AN OWNER AUTHORIZATION FORM MUST ACCOMPANY THIS APPLICATION.**

\_\_\_\_\_

Property Owner/Applicant Signature \_\_\_\_\_ Date \_\_\_\_\_ Property Owner/Applicant (Print Name) \_\_\_\_\_ Date \_\_\_\_\_

## REQUIREMENTS

The requirements for stormwater management found in the Harford County Code, Chapter 214, and the Code of Maryland Regulations (COMAR) will be satisfied if Environmental Site Design (ESD) practices are used to the Maximum Extent Practicable (MEP) to treat runoff according to Chapter 5 of the **2000 Maryland Stormwater Design Manual**.

The 2000 Maryland Stormwater Design Manual, Volumes I & II and subsequent revisions is available in hard copy or electronic format. For more information or to order a copy of the Design Manual, see MDE's website [www.mde.state.md.us](http://www.mde.state.md.us) or call 410.537.3543.

The following information must be attached to this application for coverage under the standard plan:

1. Plat showing the dimensions of property lines and road frontage
2. Location and dimensions of all proposed structures (e.g., house, garage, driveway, well, septic system)
3. If present, the location of the Critical Area buffer, non-tidal and tidal wetlands, perennial streams and their associated floodplain
4. Limits of disturbance; and
5. The location and ESD treatment volume of all disconnected impervious areas and ESD practices.
6. The target rainfall required to be treated and the target rainfall actually treated (PERequired and PEAddressed).

## LIMITATIONS

1. The project is a single lot residential construction not within a developing subdivision;
2. There is no contiguous land undergoing development by the same owner, builder, or developer;
3. Total site impervious cover shall not exceed 15% of the lot size; and
4. Total land area disturbed during construction shall be less than 30,000 square feet. Land area that is disturbed for septic system construction may be subtracted from the total disturbed area provided it is re-vegetated.
5. The Standard Plan shall not be used in areas of special concern (e.g., karst geology, sinkhole activity, surface water supply reservoirs, wellhead protection areas, sensitive stream systems, etc.) or if the site conditions such as slope, soil type, high groundwater, etc. present a challenge; and
6. Documentation must be submitted to show that ESD has been implemented to the MEP before structural practices found in the Design Manual that address these characteristics is/are used and specified by the Harford County Department of Public Works.

## CONDITIONS

The following conditions for design and construction shall be met and maintained. All stormwater management systems shall be designed by integrating site design, natural hydrology and smaller controls to capture and treat runoff onsite. The standard for characterizing predevelopment runoff characteristics for new development projects shall be woods in good hydrologic condition. If the following design conditions are met, all stormwater management obligations will be satisfied.

## DESIGN

1. All ESD practices shall be designed and located to prevent basement seepage, flooding, soil erosion, increases in nonpoint pollution and minimize pollutants in stormwater runoff from both new and redevelopment.
2. All rooftop downspouts shall discharge to and drain continuously through at least 75 feet of vegetation (e.g. vegetated channel, swale, or filter strip) in a non-erosive manner to the property line.
3. To the extent practical, all other site impervious areas shall discharge to and drain continuously through vegetation in a non-erosive manner. The length shall be equal to that of impervious area.
4. All access roads and/or driveways constructed for this project shall use open sections in lieu of curb and gutter.
5. ESD practices may be used in lieu of providing the required rooftop and other impervious area vegetation lengths
6. Design constraints to each ESD practice as specified in the Design Manual must be addressed.
7. The total impervious area draining to any ESD practice shall conform to the specifications listed in the Design Manual.
8. The drainage area to each rooftop downspout shall be 500 square feet or less. Drainage areas to individual downspouts greater than 500 square feet shall be treated using rain gardens, rain barrels, or other similar practices as approved by Harford County Department of Public Works.

## CONSTRUCTION

1. **Harford County Department of Public Works shall be contacted at least 48 hours prior to the start of construction. Contact Stormwater Management Inspections at 410-638-3217, Ext. 2434**
  2. All stormwater practices and/or runoff controls shall be installed according to this Standard Plan and the criteria contained in Chapter 5 of the Design Manual. Subsequent alteration or modification of these practices requires the written approval of the Harford County Department of Public Works.
  3. Access to the site will be made available at all reasonable times during construction and with reasonable notification after construction for inspection by Harford County Department of Public Works.
  4. The applicant/homeowners shall promptly repair and/or restore all stormwater practices found in noncompliance by the Harford County Department of Public Works.
  5. Harford County Department of Public Works reserves the right to deny approval under this Standard Plan and requires that a design be prepared according to the Harford County Code and the Design Manual.
  6. Nothing in this Standard Plan relieves the applicant from complying with any and all Federal, State, and local laws and regulations.
  7. Regular inspections shall be made and documented for each ESD planning technique and practice as specified in the Design Manual by the Department, its authorized representative or certified by the engineer-in-charge. At a minimum all ESD and other nonstructural practices shall be inspected upon completion of final grading, the establishment of permanent stabilization and for practices designed for and located on individual lots before issuance of a use and occupancy permit.
  8. At a minimum the as-built certification package for a standard plan should include the following documentation:
    - The first item shall always be the red-lined site plan showing as-built configuration of all on-site ESDs which has been signed and sealed by a Professional Engineer or registered surveyor of the State of Maryland. The as-built shall be depicted on a large-scale plan to identify all of the required stormwater management requirements.
    - The second item shall always be a detailed inspection report consisting of a detailed cover letter (which is also signed and sealed) describing the inspection process. The report shall also include the following: color photos of construction (label/dated), daily detailed inspection reports, all material and shipping tickets, all testing reports, and finally photographs showing establishment of permanent stabilization.
- Note: If any required documentation is missing, a certificate of occupancy cannot be granted. Please call Michael Davies at 410-638-3217, ext. 2434 with any questions or via e-mail at [mtdavies@harfordcountymd.gov](mailto:mtdavies@harfordcountymd.gov).
9. Coverage under this Standard Plan shall remain valid for two (2) years from the date of approval.