

APPENDIX B-4

DEVELOPMENT STORMWATER MANAGEMENT PLAN SUBMITTAL CHECKLIST

EFFECTIVE MAY 4, 2010

NOTE: THE FOLLOWING CHECKLIST REPRESENTS THE MINIMUM INFORMATION TO BE SUBMITTED FOR SUPPORT OF A STORMWATER MANAGEMENT CONCEPT PLAN, SITE DEVELOPMENT PLAN, AND/OR FINAL DESIGN PLAN. THE TOWN MAY REQUEST ADDITIONAL INFORMATION AS DEEMED NECESSARY.

COMPLETE THE APPROPRIATE CHECKLIST AND SUBMIT IT WITH THE PLANS, APPLICATION FORM, NARRATIVE OR REPORT, AND FEE. ITEMS IN BOLD ARE REQUIRED FOR CONCEPT AND/OR SITE DEVELOPMENT PHASE REVIEW.

II. Preliminary Development Site Plan Submittal

All information provided in Sketch Plan submittal included. _____

Comments received from Sketch Plan submittal addressed,
and included. _____

A. Stormwater Management Plans

Vicinity Map provided. _____

Determination of final site layout and acreage of impervious
area. _____

Proposed topography. _____

Proposed drainage areas. _____

Soil boring locations shown on plans. _____

Infiltration Testing Report. _____

Proposed drainage and utility easements. _____
(ESD devices, stormwater practices and BMP structures
must be recorded in the land records of Talbot County
and remain unaltered by subsequent property owners.
Prior approval from the Town of Easton shall be
obtained before any alterations are made.)

The location and size of ESD practices and all non-structural,
alternative surfaces, and micro-scale practices used to the
MEP. _____

ESD practices identified with MDE alpha-numeric symbol. _____

Stormwater design details and specifications, including

representative cross sections for all components of the proposed drainage system or systems, and SWM practices, BMPs and ESD devices. _____

Indication ownership and maintenance responsibility for SWM practices, ESD devices, and BMP structures. _____

Include Operation and Maintenance schedule on plans. _____

Landscaping Plan in accordance with 2009 Design Manual. _____

Table of materials to be used for SWM facility planting. _____

Construction Cost Estimate provided. _____

Plans signed and sealed by properly licensed design professional and owner/developer. _____

B. Water Quantity Management (if required)

Drainage areas, subareas and study points. _____

Times of concentration paths shown in segments. Each segment labeled with length and slope. _____

Hydrology computations to include the following:

- Existing and Proposed RCN _____
- Existing and Proposed Tc Calculations _____
- Existing and Proposed Peak Discharge Computations _____
- Allowable Discharge Computations (2- and 10-year storms managed, 100-year storm safely passed) _____
- Computations for storage of runoff required and provided _____

If project is identified as being within the Tanyard Branch Watershed, proposed 10-year storm flows have been managed to the existing 2-year storm discharge rate. _____

Stage-storage table and curve provided. _____

Stage-discharge table and curve provided. _____

Detail design and plans of orifice and weir flow provided. _____

2-year, 10-year and 100-year routing (TR-20) provided. _____

C. Stormwater Management Report

Title Page Information from Sketch Plan Narrative included. _____

Table of Contents, including:

- Sections List _____
- Appendix List _____

Figures and Table List _____

Narrative, including:

Introduction _____

General Site Information _____

Narrative Elements from Sketch Plan Narrative _____

Affects of Development on Downstream Properties
and/or Watercourses _____

Affects of Development on Adjacent Properties _____

Impacts on Existing/Proposed Utilities _____

Conclusions and Recommendations _____

ESD Sizing Calculations and ESD Targets identified. _____

Reduced Runoff Curve Number (RCN) and Channel
Protection Volume (CPv) storage calculations if ESD
targets not met. _____

Water quantity calculations and peak discharge rate
analysis, if required. _____

For each ESD device and/or BMP provide narrative and
computations in response to each of the Performance
Criteria presented in chapters 3 and 5 of the 2009 Design
Manual. _____

For ESD Devices:

Performance Criteria _____

Constraints _____

Design Guidance _____

Construction Criteria _____

Inspection Criteria _____

Maintenance Criteria _____

For BMP Structures:

Feasibility Criteria _____

Conveyance Criteria _____

Pretreatment Criteria _____

Treatment Criteria _____

Landscaping Criteria _____

Maintenance Criteria _____

Hydraulic computations for all storm drain systems:

Onsite stormdrain systems for public streets shall be
Designed to convey the 10-year post-developed flows. _____
Allowable gutter spread for roadways shall be 8 feet
or half the lane width adjacent to the curb,
whichever is smaller. _____

Report signed and sealed by properly licensed design

professional and owner/developer. _____

D. Erosion and Sediment Control Overlay Plans

Preliminary erosion and sediment control plans showing the following:

- Limits of disturbance _____
- Sensitive areas, buffers and forests that are to be preserved _____
- Proposed phasing _____
- Construction sequencing _____
- Stabilization techniques _____

An overlay plan showing the location of stormwater ESD practices and proposed erosion and sediment controls. _____

Locations of areas that must remain undisturbed, protected or used for erosion and sediment control. _____

Identifiable areas where construction equipment may compact soil and will need rehabilitation after grading operations. _____

Removal of sediment from the locations of ESD practices. _____

E. Redevelopment

Project has $\geq 40\%$ imperviousness within the LOD _____

Stormwater management has been addressed for redevelopment according to the following criteria (Alternative SWM measures may be implemented on a case by case basis):

- Existing impervious area within LOD reduced by 50% _____
- ESD practices implemented to provide water quality treatment of at least 50% of the existing impervious area _____
- Combination of impervious area reduction and ESD implementation for at least 50% of the existing impervious area _____

III. Final Development Site Plan Submittal

All information provided in Sketch Plan and Site Development Plan submittals included. _____

Comments received from Sketch Plan and Site Development Plan submittals addressed, and included. _____

Finalized SWM and ESC Plans and SWM report (all comments addressed). Plans and report should be signed and sealed by properly licensed design professional, owner/developer, and reviewing agencies. _____

Easement plat and rights-of-way plat showing ESD
components and structural BMP facilities with applicable
description. Maintenance responsibilities should be defined. _____

This checklist completed by _____ Date _____