



PROJECT NUMBER: _____

Checklist for SWM Concept Reviews

PROJECT INFORMATION

Development Plan Name: _____

Site Designer: _____ Email: _____

Check (✓) if information is provided in the plan submittal package or indicate N/A if item is not applicable. Provide notes of explanation where necessary. Plan submittals not completed per these instructions may be rejected.

Utilize the City's Utility Viewer GIS map to view City infrastructure, districts and related property data.

(✓) (N/A)

GENERAL INFORMATION

- 1) The plan set should be designed on Arch D (24" x 36") paper sheets.
- 2) Plans must be signed and sealed by a registered professional engineer (registered in MD)
- 3) Provide the outline of the entire lot or parcel to be subdivided/built upon
- 4) Provide the outline of adjacent property owners and lot line locations
- 5) Show, dimension and label the streets and roads adjacent to the lot or parcel
- 6) Show significant topographical/environmental features within the lot or parcel
- 7) Show proposed general street or road layout within the development (if applicable)
- 8) Show the proposed general layout of lots and/or buildings

(✓) (N/A)

TITLE

- 9) The project name shall be descriptive and unique to the project.
- 10) Include the name, address, phone, fax and email of the land owner/developer and consultant
- 11) Provide a vicinity map, north arrow, datum, scale and submittal date
- 12) Provide an index of sheets/pages
- 13) List the area of proposed impervious surfaces – include net increase/decrease of impervious surface

(✓) (N/A)

EXISTING CONDITIONS & RESOURCES

- 14) Existing topography
- 15) Location and area of existing impervious surfaces
- 16) Show existing draining pattern and outfalls
- 17) Location of existing utilities
- 18) Location of all site resources: (Check all that are present)

Federal	State	Local
Wetlands Major waterways Floodplains	Tidal and non-tidal wetlands Wetlands of special state concern Wetland buffers Stream buffers Perennial streams Floodplains Forests Forest Buffers Critical Areas	Steep slopes Highly erodible soils Enhanced stream buffers Topography/ slopes Springs Seeps Intermittent streams Vegetative Cover Soils Bedrock/geology Existing draining areas

Checklist for SWM Concept Reviews

(✓) (N/A)

PROPOSED CONDITIONS

- 19) Show the proposed limits of clearing and grading
- 20) Provide the area of the proposed Limit of Disturbance (LOD)
- 21) Show the location of proposed impervious areas
- 22) Area of proposed impervious surface – include net increase/decrease of impervious surface
- 23) Show the location of proposed utilities
- 24) Provide the preliminary locations of environmental site design (ESD) practices
- 25) Show locations of proposed soil borings
- 26) Complete the ESD summary chart (see page 3) and include it in the SWM report/narrative & SWM plans

(✓) (N/A)

STORMWATER MANAGEMENT REPORT/NARRATIVE

- 27) The SWM report/narrative will contain a brief overview, support the concept and describe how the design will achieve the following:
 - a. Natural resource protection and enhancement
 - b. Maintenance of natural flow patterns
 - c. Reduction of impervious areas through better site design, alternate surfaces, and nonstructural practices
 - d. Integration of erosion and sediment controls into the stormwater strategy
 - e. Implementation of ESD planning techniques and practices to the maximum extent practical (MEP)
- 28) Show preliminary estimates of SWM requirements
- 29) Indicate proposed drainage areas and existing drainage pattern and outfalls
- 30) Provide storm drain hydrographs
- 31) Show stable conveyance of storm water at potential outfall locations and downstream locations
- 32) Determination of the project to be reviewed as a new development or redevelopment
- 33) Document that field verification of the natural resource map has occurred by the project engineer
- 34) Provide FIRMette for floodplain
 - a. Delineate site
 - b. Include panel number
- 35) Provide soil report (WSS)
 - a. AOI should be the site/disturbed area/drainage area
- 36) Quantity Control Required
 - a. Post-development 2-year not to exceed 2-year pre-development (open)
 - b. Post-development 10-year not to exceed 10-year pre-development (closed)
 - c. 50% of volume available in micro-scale practice can be used for detention

NOTES OF EXPLANATION