CONCEPT STORMWATER MANAGEMENT PLAN REVIEW CHECKLIST

(Please return this checklist with each re-submission)

LEGEND: ✓ ACCEPTABLE  X NOT ACCEPTABLE
        R REQUIRED, NOT SUBMITTED  NA NOT APPLICABLE
        INC INCOMPLETE  NC NOT CHECKED

Stormwater management design shall be based on the following:
1. Baltimore County Code, Article 33, Title 4, Stormwater Management:
4. All proposed stormwater management facilities are to be privately owned and maintained.
5. All sites within the Gwynns Falls, Jones Falls and Herring Run watersheds require 100-yr stormwater management.

I. SUBMISSION DOCUMENTS

   1. Two (2) copies of Concept SWM plans.
   2. Two (2) copies of Concept SWM Report.
   3. One (1) copy of pre-concept meeting minutes, if applicable.

Note: All submissions have to go to Permits, Approvals and Inspections (PAI). Please contact PAI and Baltimore County Soil Conservation District concerning separate submittal requirements.

II. PLAN REQUIREMENTS

   ALL PLANS SHALL BE ON 24” x 36” OR 30” x 42” SHEETS. 36” x 48” ARCHITECTURAL PLAN SHEETS MAY BE ALLOWED WITH PRIOR APPROVAL ONLY.

A. Standard Title and Signature Blocks (all sheets)

   1. Owner/Developer name, address and phone number.
   2. Design Professional name, address, phone number and email.
   3. Project name, address, election and councilmanic districts.
   4. Plan scale, date and sheets numbered.
   5. Design Professional’s seal, signature and professional certification.
   6. Maryland Coordinate System (MCS) should be indicated in the lower right corner of each sheet.
B. Vicinity Map Requirements (first sheet only)

_____1. Scale: 1” = 1,000’ (max.) with north arrow.
_____2. Site delineated.

C. Base and Topographic Information

_____1. Onsite existing contours labeled with legible lettering (at no greater an interval than 2’). Note: Baltimore County GIS may be used.
_____2. Offsite topography (at no greater an interval than 2’) extending a min. of 100’ beyond the property boundaries or drainage area delineations. Note: Baltimore County GIS may be used.
_____3. Existing features, trees, buildings, pavement, utilities with size, etc. shown and labeled where appropriate.
_____4. Lines/line weight and symbols used are defined in legend and follow the standard plates C-A and C-B as found in the DPW Baltimore County Design Manual.
_____5. North arrow.

D. Existing Site Conditions / Resource Mapping Plan

_____1. Location of all site resources shown in Table 5.1 of the MDE ESD Manual, Chapter 5.
_____2. Location of existing impervious areas (buildings, roadways, parking and sidewalks, etc.) shown; preferably shaded.
_____3. Field verification from the appropriate professional of the natural resource map.
_____4. Show resources to be retained, if any. Highlight/shade areas that are to be protected.
_____5. If natural drainage patterns within site are not clearly depicted by topographic information, provide flow arrows etc. that show drainage patterns.
_____6. Soil lines and hydrologic soil groups (A, B, C & D) shown on the plan and summarized in table format.

E. ESD Drainage Area Map

_____1. Proposed limits of clearing and grading (LOD).
_____2. Location of proposed impervious areas (buildings, roadways, parking and sidewalks, etc.) shown; preferably shaded.
_____3. Preliminary type, size and location of ESD practice(s).
_____4. Location of proposed outfall(s) and utilities with size indicated.
_____5. Conceptual grading justifies volume, surface area and outfall location.
_____6. Soil lines and hydrologic soil groups (A, B, C & D) shown on the plan and summarized in table format.
_____7. Preliminary design summary table with limit of disturbance, existing and proposed impervious areas, required and provided WQv, ESDv and Pe where applicable.
_____8. Preliminary design of 100-year stormwater management, if required.

III. STORMWATER MANAGEMENT REPORT

A. Title Page

_____1. Project name.
_____2. Owner/Developer name, address, phone number and email.
_____3. Design professional name, address, phone number and email.
_____4. Date prepared.
_____5. Seal, signature and professional certification.
B. Narrative

1. General site information (location, acreage, existing and proposed use, soils, etc.).
2. Site specific information:
   a. Justification for type of system used based on ESD to the MEP.
   b. Methodology/analysis used for design (reference all assumptions).
   d. Provide name of watershed and stream use designations for all discharge points.
   e. Preliminary design summary table with limit of disturbance, existing and proposed impervious areas, required and provided WQv, ESDv and Pe.
3. Suitability of stormwater outfall locations.

C. Hydrologic Computations

Redevelopment v/s New Development

1. Site area (LOD).
3. Existing impervious area.
3. Percent imperviousness (I).
4. Redevelopment (I > 40%) or New Development (I < 40%).

Overall Site Analysis

1. Limit of disturbance (LOD).
2. Impervious and pervious areas by soil type.
3. Percent imperviousness (I).
4. Target RCN (woods in good condition) per Table 5.3.
5. Compute Rv.
6. Rainfall target (Pe) - required.
7. Total volume required (ESDv).

Sub Area Analysis

1. Drainage Area to ESD practice.
2. Impervious area being treated by ESD practice.
3. Percent imperviousness (I).
5. Rainfall target (Pe) - provided.
6. Total volume provided (ESDv); provide elevation/storage chart, if applicable.

ADDITIONAL COMMENTS:

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Plans reviewed by: ____________________________ Date: ____________

Updated 10/01/18