



**CALVERT COUNTY
DEPARTMENT OF PUBLIC WORKS**

150 Main Street
Prince Frederick, Maryland 20678
410-535-1600 • 301-855-1243

STORMWATER MANAGEMENT AS-BUILT CHECKLIST

The Stormwater Management As-built Plan shall be submitted to and approved by the Calvert County Department of Public Works.

PROJECT NAME: _____ DATE: _____
 TRACKING NUMBER: _____
 ADDRESS: _____
 TAX MAP: _____ PARCEL: _____

APPLICANT'S CORPORATION: _____
 APPLICANT'S NAME: _____
 ADDRESS: _____
 PHONE: _____ EMAIL: _____

CONSULTANT'S CORPORATION: _____
 CONSULTANT'S NAME: _____
 ADDRESS: _____
 PHONE: _____ EMAIL: _____

		Engineer (✓) or N/A	CCDPW Reviewer
SECTION 1 – SUBMITAL PACKAGE:			
1.	Completed and signed copy of this check list.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
2.	Completed and signed Notice of Construction Completion (NOCC) form.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
3.	Completed Narrative Report consistent with the requirements in Section 2 and 3.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
4.	Construction inspection reports for the inspections conducted at all MDE required Intervals.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
5.	As-Built Plan consistent with the requirements in Section 3 (2 Copies)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
6.	Point-by-point comment response letter (applicable to 2nd and subsequent submissions)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
SECTION 2 – AS-BUILT NARRATIVE REPORT REQUIREMENTS:			
1.	Identification of any discrepancies from the regulations and/or approved plans and any design changes from the original design	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
2.	Identification/ description of any installation issues and/or field changes that required modification the proposed stormwater management plan previously approved.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
3.	Confirmation that the drainage area to each stormwater management facility is consistent with the design or description of deviations with Support provided on As-built plan or both.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
4.	Revised/Verified volume and routing computations along with an evaluation of the facility.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
5.	Professional certifications for Compliance with MDE specifications for plantings, materials and/or filter media specifications (if not included with Construction Inspection reports). As well as the Consultant Certification listed below.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
SECTION 3 – AS-BUILT PLAN REQUIREMENTS:			
1.	Plan sheet(s) at scale of approved design plan (cover sheet and all stormwater/stormdrain related sheets from the set).	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
2.	As-Built firm name, address, phone number and electronic mail address	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
3.	Date(s) field work occurred for creation of the as-built plan.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied

4.	As-built information is to be provided in RED .	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
5.	A red check mark (✓) must be made beside planned values if they represent the actual as-built values.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
6.	For changed values, use a red line to cross out the planned value and enter the actual value in color red, existing plan elevation shall be legible although lined out (e.g. 132.5 132.47). Re-routing of design storms for the as-built conditions to verify release rates and adequacy of the stormwater management facility. Elevations to the nearest 0.01' are required for all control structures.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
7.	Signature and seal of Maryland Registered Professional Engineer or Professional Land Surveyor on the As-built Certification.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
8.	Plan view (all facilities as applicable to specific design)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
9.	<input type="checkbox"/> As-built contours and spot shots of the stormwater management facility including forebays, micro-pools, filter bed areas and in the case of ponds, elevations below permanent pool at 1 or 2-foot intervals based on the datum of the approved plan.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
10.	<input type="checkbox"/> Facility bottom elevations (25-foot grid for ponds) with high and low points noted (minimum 4 locations to define shape of bottom)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
11.	<input type="checkbox"/> Elevation of permanent pool or ESDv	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
12.	<input type="checkbox"/> Lowest top of bank elevation at fill for embankment/combination facility or lowest top of bank elevation for excavated facility.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
13.	<input type="checkbox"/> Outline of as built filter bed area and top of bank	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
14.	<input type="checkbox"/> Size of Filter bed areas in square feet (if applicable)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
15.	<input type="checkbox"/> Type, length, size of underdrains	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
16.	<input type="checkbox"/> Calculations of the volumes of the facilities as constructed with direct comparison to the design volumes and minimums required	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
17.	<input type="checkbox"/> Type(s), size(s), length(s), and slope(s) of stormdrain pipes <input type="checkbox"/> Diameter and material of all inlet and outlet pipes <input type="checkbox"/> Invert elevations of all inlet and outlet pipes <input type="checkbox"/> Dimensions and material of outfall structures <input type="checkbox"/> Top elevations of outlet structures and risers <input type="checkbox"/> Type of grate and trash rack with manufacturer's information. <input type="checkbox"/> Outlet protection length, width, depth, type, and size	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
18.	<input type="checkbox"/> Cross sections along length of Bio-Swale (if applicable) (three minimum): <input type="checkbox"/> Minimum three (3) spot grades across bottom (left toe of slope, centerline, and right toe of slope) <input type="checkbox"/> Spot grades across top of bank elevations every ten (10) feet. (e.g. minimum three (3) per side. <input type="checkbox"/> Bottom width <input type="checkbox"/> Side slopes	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
19.	<input type="checkbox"/> Longitudinal profile of Swales: <input type="checkbox"/> Minimum spot grades at twenty-five feet intervals along entire length <input type="checkbox"/> Length <input type="checkbox"/> Slope	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
20.	<input type="checkbox"/> Two cross sections of any stormwater management facility (e.g. underground detention, sand filter, infiltration facility, ESD and etc.). <input type="checkbox"/> Design vs as-built storm water elevations. <input type="checkbox"/> Type(s), size(s), length(s), and slope(s) of pipes. <input type="checkbox"/> Weir opening size. <input type="checkbox"/> Orifice opening size. <input type="checkbox"/> Outlet structures type, material, and applicable dimensions. The cross-sections should include all relevant existing and design storm water elevations. <input type="checkbox"/> Invert elevations of all pipes. <input type="checkbox"/> Top elevations of outlet structures and risers. <input type="checkbox"/> Type of grate and/or trash rack with manufacturer's information. <input type="checkbox"/> Outlet protection length, width, depth, type, and size.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied

21.	<input type="checkbox"/> Filter media depth and supplier <input type="checkbox"/> Type of geotextile used <input type="checkbox"/> Type, length, size of underdrains <input type="checkbox"/> Type and depth of stone <input type="checkbox"/> Type and depth of mulch <input type="checkbox"/> Embankments <input type="checkbox"/> Height (existing grade and top of embankment as-built) <input type="checkbox"/> Top width <input type="checkbox"/> Side slopes <input type="checkbox"/> Cutoff trench, if applicable per design <input type="checkbox"/> Anti-seep collar(s)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
22.	<input type="checkbox"/> Emergency spillway <input type="checkbox"/> Width and side slopes <input type="checkbox"/> Crest elevation <input type="checkbox"/> Length <input type="checkbox"/> Top of berm elevation <input type="checkbox"/> Type stabilization method(s)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
23.	<input type="checkbox"/> Cross-Sections through each pipe discharge into the basin (including forebays)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
24.	<input type="checkbox"/> Cross-Sections through outfall structure	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
25.	<input type="checkbox"/> Cross-Sections through principal spillway including outfall treatment such as stilling basins or riprap channels.	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied
26.	<input type="checkbox"/> Cross-Sections through the emergency spillway (if separate from principal spillway)	<input type="checkbox"/> Completed <input type="checkbox"/> N/A	<input type="checkbox"/> Satisfied <input type="checkbox"/> Not Satisfied

*Note: The requirements contained hereon are in accordance with the Stormwater Management Act of 2007 and are applicable to Stormwater Management only. Compliance with these requirements does not excuse the applicant from meeting any and all other requirements and standards from this department or any other local or state agency or review authority.