



**Prince George's County**  
 Department of Permitting, Inspections  
 and Enforcement  
**SITE/ROAD PLAN REVIEW DIVISION**



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**AS-BUILT CHECKLIST SWM DAM SAFETY**

This checklist serves as a guide for the consultant in the preparation and for the County the review of the Dam Safety SWM facility as-builts in preparation for County and PGSCD acceptance. Any questions regarding items contained herein should be referred to the Prince George's County DPIE for clarification. Applicable page number or section in the Stormwater Management Design Manual, County Code, PGSCD Reference Manual, or Maryland Design Manual are included for reference.

**NOTE: PLANS SUBMITTED WITHOUT A COMPLETED CHECKLIST  
 MAY BE RETURNED WITHOUT REVIEW**

Site/Project Name: \_\_\_\_\_ Date: \_\_\_\_\_

Permittee: \_\_\_\_\_ Consultant: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_ Email Address: \_\_\_\_\_

Site Development Concept Plan No.: \_\_\_\_\_ Site Development Plan No.: \_\_\_\_\_

DPIE Case No.: \_\_\_\_\_

Consultant: Please complete the checklist below by indicating the following:  
 C or ✓ = Complete or checked; X = Not Applicable; O = Outstanding, need to address  
 Please place the appropriate symbol in the CONSULT column.

Item #	Checklist Item	Reference	CONSULT	DPIE
<b>A</b>	<b>METHODOLOGY</b>			
A-1	The above information must be boxed in red ink on the as-built plan.	SCD VII-18		
A-2	A box with constructed values/items inside must be made beside design values/items if different from the constructed values or items. A box around the design value with a checkmark may be used if the constructed value is the same as the design value.	SCD VII-18		
A-3	Field survey elevations to the nearest 0.1 foot are sufficient except where positive drainage needs to be proven.	SCD VII-18		
A-4	Provide Liber and folio for stormwater easements required by this permit.	15.3.1		
A-5	The as-built drawings shall be submitted within 30 days of completion for the Final SWM As-built.	SCD VII-18		

A-6	Provide name of engineering/land surveyors that prepared the As-Built Plan with Contact Information.	SCD VII-18		
<b>B</b>	<b>AS-BUILT PLAN CERTIFICATION STATEMENTS</b>			
B-1	<p>Provide Certifications from suppliers for materials used in construction of the facility (principal spillway, control structure, PVC pipe, aggregate, wetland plantings, etc.), as appropriate.</p> <p>Submittal Requirements:</p> <ul style="list-style-type: none"> <li>• One (1) set of prints (folded) for review (3 sets when plans are ready for approval),</li> <li>• One (1) copy Signed and Sealed of the As-built TR-20 runs,</li> <li>• SWM Computation report (design &amp; As-built),</li> <li>• Geotechnical certification,</li> <li>• Pond Summary Sheet, and MD-14 (if applicable).</li> <li>• All supporting info &amp; drainage area maps</li> </ul>	SCD VII-19		
B-2	A letter from the Geotechnical Engineer certifying that the unified soil classes, and compaction and concrete test results, and other material inspected by the geotechnical engineer meet Md-378 specifications or as modified on the approved plan. Attach the Geotechnical Engineer's Certification Letter onto the As-Built Plan.	SCD VII-19		
B-3	<p>The following certification statement is required to be placed on all sheets, signed and sealed by a professional engineer:</p> <p><b>I hereby certify that the facility was constructed as shown on this "As-built" plan and meets or exceeds the requirements of the Natural Resources Conservation Service - Maryland Conservation Practice for Standard for Ponds (MD-378) and the approved pond plans and specifications.</b></p> <p>Certify means to state or declare a professional opinion based upon onsite inspections and material tests which are conducted during construction. The onsite inspections and material tests are those inspections and tests deemed sufficient and appropriate by commonly accepted engineering standards. Certify does not mean or imply a guarantee by the engineer nor does an engineer's certification relieve any other party from meeting requirements imposed by contract, employment, or other means, including meeting commonly accepted industry practices.</p> <p>A vegetative cover (95% or more) certification is required on the Plan. The following or a similar statement may be used:</p> <p><b>I hereby certify that the Pond Vegetative Cover exceeds 95%.</b></p>	SCD VI-55		
B-4	Provide Fencing Certification if applicable.	SCD VII-19		
B-5	Provide MD-14 updated to reflect as-built conditions.			

C	INFORMATION REQUIRED, AS APPLICABLE			
C-1	Provide As-built profile along the centerline of the embankment with top elevation. Top elevations elevations are to be equal to or higher than the required design elevation.	SCD VII-18		
C-2	Provide As-built profile along the centerline of the principal spillway extending below the protected outfall or to the downstream manhole structure.	SCD VII-18		
C-3	Provide As-built profile along the centerline of the emergency spillway and a cross section, if applicable.	SCD VII-18		
C-4	Provide As-built dimensions, elevations, and type of material for the riser/control structure and base.	SCD VII-18		
C-5	Provide As-built diameter, length, inverts and type of material for the principal spillway, underdrains, and observation/cleanout wells.	SCD VII-18		
C-6	Provide As-built outfall protection as specified (i.e. length, width, depth, size of rip-rap (d50 and class), and filter cloth).	SCD VII-18		
C-7	Provide As-built of the number, size, and location of the anti-seep collars, precast collars, and cradles as appropriate.	SCD VII-19		
C-8	Provide As-built size, location, elevation, height and type of trash rack device(s) and anti-vortex device, if applicable.	SCD VII-18		
C-9	Verify elevations of the sediment control 10- and 100-year water surface elevations and freeboard requirements.	15.3.2		
C-10	Verify elevations of the "ESD volume", 1, 10, 25, and/or 100 year storms, for Final As-built only, as applicable.			
C-11	Provide as-Built topography and/or dimensions of the stormwater management facility as separate insert at same scale as SWM plan. It may be on same sheet as plan view.	SCD VII-19		
C-12	Provide As-built core trench limits, side slopes, and elevation of bottom of cut off trench.	SCD VII-18		
C-13	Provide As-built elevation and location of Safety and Maintenance benches, if applicable.	SCD VII-18		
C-14	Provide As-built invert, size, length of control structure dimensions including low stage orifices and high stage weir crests. Include emergency spillway.	SCD VII-19		
C-15	Confirm that vented/non-vented minimum 30" manhole covers and steps provided for maintenance access.			
C-16	Provide As-built location, number, and species of landscape/wetland plantings Include landscape plan with as-built plan set.			
C-17	Submit/Include drainage area map in As-built set.			
C-18	Provide statement that all construction is in accordance with Prince George's County Standards, Details and Specifications.			
C-19	A Table showing Design and As Built Top of Constructed, Top of Embankment, Pond Bottom, Permanent Pool Elevation, 2, 10 & 100 YRS WSEL, 100YR & Permanent Pool Stoaage Should be on the Plan.			
C-20	If the opening in Riser Structures are at different width than Design, then As-Built Stage-Storage Table, Stage-Discharge Table & TR-20 Run for As-Built WSELS need it.			
C21	Show length, width and depth of pond so that design volume is verified.			

D	ACCEPTABLE CONSTRUCTION			
D-1	Pipe diameter, length, materials, cradle, and elevations match Design Plan.	SCD VII-20		
D-2	Riser must be as designed with correct orifice and/or weir dimensions and elevations	SCD VII-20		
D-3	Trash rack, number of anti-seep collars, and size match Design Plan.	SCD VII-20		
D-4	Emergency spillway may be 1-2% steeper, but no flatter than design, and no narrower than design. Spillway is located and aligned as shown on approved plans.	SCD VII-20		
D-5	Embankment top elevation must be no less than design elevation plus allowance for settlement (as shown on plans), or the minimum freeboard requirement must be met plus allowance for settlement (as shown on plans).	SCD VII-20		
D-6	Top width and side slopes must meet design requirements. Show As-built contours in two foot intervals	SCD VII-20		
D-7	Must have proper relationship between principal spillway crest, emergency spillway crest, and top of dam. (All elevations must be equal to the design elevations or relative to each other and the required volumes.)	SCD VII-20		
D-8	Must have an acceptable outlet (proper elevations, rip-rap size, length, filter cloth, etc.) according to the plan.	SCD VII-20		
D-9	Location and quantity of landscape/wetland plantings are per plan. No trees or shrubs in non-woody buffer or embankment.	SCD VII-20		
D-10	Construction shall be in strict accordance with the approved plans and criteria for the pond(s), unless approval for any proposed changes are approved by the Prince George's Soil Conservation District prior to the construction.	SCD VII-20		
D-11	The compaction and unified soil class requirements as directed are met.	SCD VII-20		
D-12	Elevation and location of Safety and Maintenance benches, if applicable, match Design Plan.			
D-13	Provide location and material of maintenance access road, entrance gate and driveway apron.			
D-14	Flow splitter diversion pipe/weir invert, size, and location match Design Plan.			
D-15	Incoming and outgoing storm drain sizes, inverts, and outfall dimensions match Design Plan.			
D-16	Thickness and type of rip rap, coarse/fine aggregates, and planting soil match Design Plan.			
D-17	The top width and side slopes of the embankment must meet design requirements.	SCD VII-20		
D-18	Verify the original design computations (sediment control for dam safety) with corrections/ As-built conditions meet intent as necessary.			
D-19	Provide storage deviation verification (i.e. TR-20 computer run to show adequate storage volume and discharge rates for water quality or 100-year.	15.3.2		
D-20	Verify that the sediment basin or stormwater management facility is constructed within the recorded SWM easement area.	SCD VII-18		

E	SUPPORTING DOCUMENTATION			
E-1	Provide approved shop drawings for non standard structures.	15.1		
E-2	Provide material certifications and delivery tickets for pipe, backfill material, pipe bedding, and rip rap. Provide this information to County Inspector and the professional preparing as-built drawing.	15.1		
E-3	Provide Video tape of all pipes 48" or less in diameter. Provide this information to County Inspector.	15.1		

I hereby Certify that these documents were prepared or approved by me, and that I am a professional engineer or professional land surveyor duly licensed under the laws of the State of Maryland, License No. \_\_\_\_\_  
Expiration Date: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date