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## As-Built / Record Drawing Plan Review Checklist

**Project Name:** \_\_\_\_\_ **Engineer/Phone No.** \_\_\_\_\_

**SC Permit No./Revision No. :** \_\_\_\_\_

**SWM File No.:** \_\_\_\_\_ **Assigned/Phone No.** \_\_\_\_\_

**Plan Type:** \_\_\_\_\_

	Submittal Date	Review Date	Initial
Legend:	_____	_____	_____
	_____	_____	_____
	_____	_____	_____
	_____	_____	_____

INC	Incomplete/Incorrect		
N/A	Not Applicable		
SC	Sediment Control	As-Built Acceptable	Date
SWM	Stormwater Management		
FPDP	Floodplain District Permit		
DA	Drainage Area		
SVI	Stream Valley Improvements		

This checklist has been developed to provide specific instruction to engineers. All items are expected to be addressed in the first submittal. Failure to do so may result in less than a full first review.

**TO THE ENGINEER:**

Your submission for Stormwater Management As-Built Plan approval has been reviewed. The review was made per the following checklist. **Please return the checklist and As-Built plan comment sheets with your resubmittal.** If you do not address a checklist item, including comments on the As-Built plan sheets, explain your reasoning in your transmittal letter.

**A. INFORMATION REQUIRED ON THE RED-LINED SEPIAS AND ONE PRINT SET.**

- \_\_\_\_    \_\_\_\_    \_\_\_\_    Vicinity map on plan sheet.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    Profile along the centerline of the embankment.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    Profiles and/or cross sections of the stormwater management facilities with associated details.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    Elevations of the “water quality”, 2, 5, 10, and 100 year storms as appropriate.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    Profile along the centerline of the principal spillway/outfall pipe extending below the protected outfall or to the downstream manhole structure.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    As-Built topography and/or dimensions of the stormwater management facility with computations to verify conformance with the approved plan.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    Establishment of a benchmark on the riser/control structure or inlet headwall to the nearest 0.1-foot.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    Profile along the centerline of the emergency spillway.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    Design and As-Built stage-storage table on the plan view sheet.
- \_\_\_\_    \_\_\_\_    \_\_\_\_    As-Built information for concept condition items (i.e. SVI, reforestation, grading requirements, bio-sensitive stream crossings, etc. ...)

**B. MATERIALS USED**

- \_\_\_ \_\_\_ \_\_\_ The dimensions and type of material for the riser/control structure.
- \_\_\_ \_\_\_ \_\_\_ The diameter, length, and type of material for the principal spillway, underdrains, and observation/cleanout wells.
- \_\_\_ \_\_\_ \_\_\_ The size, location and type of trash rack device(s).
- \_\_\_ \_\_\_ \_\_\_ The number, size and location of the anti-seep collars, precast collars, and cradles as appropriate.
- \_\_\_ \_\_\_ \_\_\_ Invert, size and length of any low stage orifices and high stage weir crests.
- \_\_\_ \_\_\_ \_\_\_ Vented/non-vented minimum 30" manhole covers and steps provided for maintenance access.
- \_\_\_ \_\_\_ \_\_\_ Flow splitter diversion pipe/weir invert, size, and location.
- \_\_\_ \_\_\_ \_\_\_ Incoming and outgoing storm drain sizes, inverts, and outfall dimensions.
- \_\_\_ \_\_\_ \_\_\_ Thickness and type of coarse/fine aggregates and planting soil.
- \_\_\_ \_\_\_ \_\_\_ Filter fabric/geotextile type and location.
- \_\_\_ \_\_\_ \_\_\_ Landscape/wetland plantings number and location. Include landscape plan with as-built plan set.

**C. CERTIFICATIONS**

- \_\_\_ \_\_\_ \_\_\_ Certifications from suppliers for materials used in construction of the facility (principal spillway, control structure, PVC pipe, aggregate, wetland plantings, etc.).
- \_\_\_ \_\_\_ \_\_\_ Certification statement and seal by a Professional Engineer indicating, "This record drawing is accurate and complete, the stormwater management facilities are constructed per the approved stormwater management plan or subsequent approved revisions, and stormwater management is provided per the approved design computations".
- \_\_\_ \_\_\_ \_\_\_ Certification statement and seal by a Professional Engineer indicating, "This record drawing is accurate and complete and the pond is constructed as per the approved stormwater management plan or subsequent approved revisions and substantially meets and/or exceeds the requirements of the Soil Conservation Service MD-378 Standards and Specifications for ponds". **(PONDS ONLY)**
- \_\_\_ \_\_\_ \_\_\_ Geotech's inspection and testing reports verifying that the materials used (i.e. soils, concrete, reinforcing steel, etc.) meet the project specifications of the approved plan.
- \_\_\_ \_\_\_ \_\_\_ Signed maintenance certification on as-built plan.

**D. SUPPORTING DOCUMENTATION**

- \_\_\_ \_\_\_ \_\_\_ Red-lined mylar sepias of the approved plans.
- \_\_\_ \_\_\_ \_\_\_ Original design computations with corrections/As-Built conditions as necessary.
- \_\_\_ \_\_\_ \_\_\_ Storage deviation verification (i.e. TR-20 computer run to show adequate storage if the available storage does not agree with the original design storage).

