



STORMWATER MANAGEMENT FACILITY **POST CONSTRUCTION VERIFICATION DOCUMENT** **SUBMITTAL CHECKLIST**

8.0 Vegetated Channels **Submittal Requirements**

- Post Construction Verification Document survey plan in accordance with the items of this Checklist
- Supporting calculations in accordance with the items of this Checklist
- A copy of the completed Post Construction Verification Document Submittal Checklist
- Stormwater Management Facility Construction Checklist completed during construction of the facility, if applicable
- Geotechnical engineer's report, if applicable

Post Construction Verification Document **Plan Requirements**

All Plans:

- Plans must be submitted on minimum 24" x 36" sheets
- Provide a location map on the plan
- Provide a north arrow on the plan

The title block must include:

- Project name indicating "Post Construction Verification Document" in the plan title
- Name, address, telephone and fax numbers of the individual preparing the plan
- Scale of plan (maximum plan scale accepted will be 1"=50')
- Date of the survey
- Hundred, County, and State
- Street address of the project site
- Signature and seal of Delaware Registered Professional Engineer or Professional Land Surveyor

Delineate and properly label the following (as applicable):

- Roads adjoining the stormwater management facility
- Property lines adjacent to the stormwater management facility
- Easements (i.e. drainage, utility, access, etc.) adjacent to the stormwater management facility



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Provide the following as it relates to the vegetated channels's slope and cross section. ****The constructed slope, bottom width, depth, and length of the vegetated channel shall be within 90% of the design geometrics for those parameters:*

- Spot elevations of top of bank, bottom of bank, and centerline of the vegetated channel every 25 feet throughout the length of the channel.
- Additional spot elevations that demonstrate positive downstream drainage beyond the end of the vegetated channel.
- Cross section of the vegetated channel at the midpoint.
- Photo documentation of the vegetated channel depicting the channel bottom width and verification of achievement of the required 90% vegetated cover.

****When the allowable tolerances are exceeded for the vegetated channel slope, supplemental calculations must be submitted to determine if the vegetated channel, as constructed, meets the design requirements. The computed residence time rounded to the nearest minute shall be no less than the minimum design residence time. Submit the following:*

- Calculations demonstrating that the design requirements have been met in the constructed condition.