



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

3.0 Permeable Pavers

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
- 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 Permeable Pavement surface area and available storage:

- Post construction verification contours of the surface area at 1-foot intervals and contributing drainage area ****Contributing Drainage Area shall be no greater than the designed contributing area*
- A minimum of two cross sections showing elevations and slopes (to scale). Cross sections should be taken through outlet structure as applicable. ****Surface slope shall be no greater than 5%, Bottom slope shall be no greater than 1%*
- Calculations of the permeable pavement surface area. ****The constructed area of the permeable pavement surface shall be no less than the design surface area.*
- Calculations of the storage volume as constructed with incremental storage and cumulative storage volumes in cubic feet for each one-foot elevation contour. ****The constructed volume of the reservoir layer, or overflow structure (as applicable) shall be no less than 90% of the design volume.*

Provide the following information related to the observation ports, overdrains and overflow structure within the facility. ****The constructed elevation of any structure shall be within 0.15 foot of the design:*

- Dimensions of overflow structure (as applicable)
- Invert elevations of all overdrain pipes (or overflow structure as applicable)
- Location of each observation port

Provide the following information related to the infiltration rate available in facility.

- Provide infiltration rate per *BMP Standards and Specifications, Appendix A – Soil Investigation Procedures*
- Verify separation of overdrain inverts from groundwater per *BMP Standards and Specifications, Appendix A – Soil Investigations Procedures*

****When the allowable tolerances are exceeded for constructed permeable pavement surface area or volume or structure elevations, supplemental calculations must be submitted to determine if the permeable pavement, as constructed, meets the design requirements. Submit the following:*

- Calculations of outflow from the permeable pavement for all design storms. Routing computations must be based on the constructed volumes and elevations for the facility.
- Calculations demonstrating that the design requirements have been met in the constructed condition.