



POST CONSTRUCTION VERIFICATION DOCUMENT SUBMITTAL CHECKLIST

VEGETATED CHANNEL

The Sussex Conservation District requires an As-built of the Stormwater Management facility within 60 days of completion.

Submittal Requirements:

- As-built 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 Construction As-Built Survey Submittal Checklist
- Pond Construction Checklist completed by the CCR during construction of the basin, if applicable
- Geotechnical engineer's report for core trench/cutoff trench construction, if applicable

As-Built Requirements:

- 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 "as-built" 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
- Signature and seal of Delaware Registered Professional Engineer or Professional Land Surveyor
- Name, address, telephone and fax numbers of the party responsible for maintenance of the stormwater facility (i.e. owner or maintenance corporation representative)

Delineate and properly label the following (as-applicable):

- Roads adjoining the stormwater facility
- Property lines adjacent to the stormwater facility
- Easements (i.e. drainage, utility, access, etc.) adjacent to the stormwater facility
- Maintenance access to and around the stormwater facility
- Maintenance set aside area location and dimensions

Provide the following as it relates to the vegetated channel's slope and cross section:

- Profile along the length of the vegetated channel (parallel to flow direction) with centerline elevations at 50-foot intervals along the bottom noted. ****The allowable variance for the constructed slope of the channel is 0.001 ft/ft.*
- Cross-section at the beginning of the channel
- Cross-section at the discharge point of the channel
- Cross-sections at 100-foot stations along the channel.
- Label the cross section locations on plan view to correspond with the individual cross section details. All cross-sections must include the following:
 - Bottom width dimension
****The acceptable bottom width may be no less than the design bottom width*
 - Top width dimension
 - Channel bottom elevation at left and right bank
 - Top of bank elevation for left and right bank
 - Left and right side slope (H:V)
****The side slopes may be no steeper than 3:1*

Provide the following information related to the structures within the vegetated channel.

****The allowable variance for invert elevations on any structure is 0.1 ft:*

- Diameter and material of all pipes
- Invert elevations of all pipes
- Dimensions (length, width, depth, d50) for all areas of rock outlet protection
- Overflow elevation of level spreader, if applicable
- Delineate locations of permanent check dams, if applicable.
- Provide weir overflow elevation of each permanent check dam, if applicable.

****When the allowable variances are exceeded for the vegetated channel slope or structure invert elevations, or the constructed bottom width of the vegetated channel is less than the design width, supplemental calculations must be submitted to determine if the vegetated channel, as constructed, meets the design requirements. Submit the following:*

- Calculations demonstrating that the Resource Protection event and Conveyance and Flooding event requirements have been met in the constructed condition.