



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

Vegetated Channel

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
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- 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.