

Storm Water Task Force Presentation

Overview of design and construction process:

1. Preliminary Design

- Determine stormwater management (SWM) requirements for the project based on Prince George's County regulations including water quality and quantity. The County requires approximately 75% of the county to control the 100-year storm event to assist with areas that may have a history. This is shown on a map produced by the County. All other areas of the County will be required to control up to the 10-year storm event.
- Preliminary grading study of the site to determine potential locations of where SWM facilities will be required.
- Determine if there are any potential environmental impacts with the location of the proposed SWM facility. Coordinate with the appropriate agencies as required.
- Prepare preliminary drainage areas for each stormwater facility. Includes preliminary computation to size the facility. The calculations will take into consideration the type of proposed development including various site features including buildings, roadways, and open spaces. The site features each have their own distinct hydrological value that can impact the sizing of the facility. Include preliminary design of the control structures and outfall.
- Submit a SWM Concept Plan to the County for review and approval.

2. Final Engineering Design

- Prepare drainage area maps and computations
- Final grading of the SWM facility
- Design of structures within the pond, including control structures to regulate the outflow of stormwater, outfall pipes, and embankments.
- Preparation of construction plans and submission to appropriate public agencies for final approvals and permits.

3. Construction

- Construction inspections on a periodic basis, including specific inspections on such items as control structures, embankment, etc.

- Upon completion of the construction, a field survey to verify field conformance with approved design (as-built)
- Submission of as-built plan to public agencies for review, comment, and approval
- Turnover of the facility, typically to developer/home builder since HOA is not yet populated with new homeowners

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