

FAUQUIER COUNTY
DEPARTMENT OF COMMUNITY DEVELOPMENT

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SWM / BMP CHECKLIST

Please type or print legibly

Project Information

Submittal Date: _____ Parcel ID (PIN) # _____
Project Identifier: _____ Magisterial District: _____
Location: _____
Project Description: _____

General Information

This review is for (circle all that apply):

SWM 1% Rule
BMP Adequate Channel

No. of SWM Facilities: _____
Acreage of each SWM Facility: _____
No. of BMP Facilities: _____

Contact Information

Current Property Owner

Name: _____
Address: _____
Phone: _____

Applicant

Name: _____
Address: _____
Phone: _____
Fax: _____

Representative

Contact Person: _____
Company Name: _____
Address: _____
Phone: _____
Fax: _____

Submittal Requirements

General Requirements:

Description	YES	NO	N/A
1. SWM / BMP Narrative, to include:			
o Number and type of Facilities			
o Description of Watershed Methodology / Rationale			
o Other Pertinent Information			
2. Offsite drainage map at a minimum scale of 1" = 1,000' with drainage areas and acreages annotated			
3. Existing and proposed mapping and plans (recommended scale of 1" = 50' or greater detail unless prior approval is obtained) which illustrate at a minimum:			
o Existing and proposed topography (minimum of 2-foot contours)			
o Perennial and intermittent streams			
o Mapping of predominant soils for County soil surveys as well as location of any site-specific borehole investigations that may have been performed			
o Boundaries of existing predominant vegetation and proposed limits of clearing			
o Location and boundaries of resource protection areas such as wetlands, lakes, ponds and other setbacks (e.g., stream buffers, drinking water well setbacks, septic setbacks)			
o Location of existing and proposed roads, buildings and other structures			
o Location of existing and proposed utilities (e.g., water, sewer, gas, electric) and easements			
o Location of existing and proposed conveyance systems such as grass channels, swales and storm drains			
o Flow paths for pre- and post-development			
o Location of floodplain / floodway limits and relationship of site to upstream and downstream properties and drainages			
o Location and dimensions of proposed channel modification, such as bridge or culvert crossings			
o Location, size, maintenance access and limits of disturbance of proposed structural stormwater management practices			
4. Pre- and Post-conditions Tc calculations			
5. Calculations for determining weighted "C" values or runoff coefficients			
6. Calculations for determining runoff rate, pre- and post-development			
7. Culvert chart			
8. Storm sewer chart			
9. Adequate / Outfall Channel Calculations as per MS-19, also provided:			
o Equation used			
o Cross-sections of channel (minimum of 3)			
o Location of cross-sections on plan			
o Chart showing channel type, depth, velocity and determination of adequacy, type of erosion control required, if any			
10. Easements:			
o Where concentrated water discharges, both on and offsite			
o Around storm sewer pipes			
o For access and maintenance of SWM/BMP facilities			

SWM / BMP Pond Plan Requirements

General Requirements:

Description	YES	NO	N/A
1. Location of Pond			
2. Pre- and Post-drainage areas to pond			
3. Pond Schematic / Grading Plan			
4. Pond Profile showing:			
○ Logs of borehole investigations that may have been required along with supporting geotechnical report as required			
○ All inlet and outlet elevations, floor elevation			
○ Normal Pond/BMP elevation, floor elevation			
○ 2-, 10- and 100-year storm elevations			
○ Embankment elevation emergency spillway elevation			
○ Pipe sizes			
○ Pipe length			
○ Structural details including outlet structures, stalling basins, embankments, spillways, grade control structures			
○ Outlet protection, type and length			
5. Hydrologic and hydraulic analysis for all structural components of stormwater system (e.g., storm drains, open channels, swales, management practices, etc.) for applicable design storms including:			
○ Existing condition analysis for time of concentration, runoff rates, volumes, velocities and water surface elevations showing methodologies used and supporting calculations			
○ Proposed condition analysis for time of concentration, runoff rates, volumes, velocities, water surface elevations and routing showing the methodologies used and supporting calculations			
○ Final sizing calculations for structural stormwater management practices including contributing drainage area, storage and outlet configuration			
○ Stage-discharge or outlet rating curves and inflow and outflow hydrographs for storage facilities (e.g., stormwater ponds and wetlands)			
○ Final analysis of potential downstream impact/effects of project, where necessary			
○ Dam breach analysis, where necessary			
6. Flood routing, if BMPs involved, SWM routing sheet must start at the full BMP level			
7. Maintenance plan, which will include:			
○ Name, address and phone number of responsible parties for maintenance			
○ Description of annual maintenance tasks			
○ Description of applicable easements			
○ Minimum vegetative cover requirements			
○ Access and safety issues			
○ Testing and disposal of sediment that will likely be necessary			
8. Evidence of acquisition of all applicable local and non-local permits			
9. Evidence of acquisition of all necessary legal agreements (e.g., easements, covenants, land trusts)			
10. Waiver requests			

11. Final landscaping plans for structural stormwater management practices and sites			
12. Floodplain study if construction is proposed within the FEMA defined floodplain			
13. BMP design worksheet			
14. Safety ledge needed, if wet pond			
15. Conversion note, if being used as a temporary sediment basin also			

Certification

TO BE COMPLETED BY APPLICANT OR REPRESENTATIVE

I hereby certify that the following information is included in the attached SWM/BMP plan and accompanying materials. Further, I have included on the plan any conditions relating to SWM/BMP as required by proffers of an approved rezoning, or required by special exception or variance approval, special agreement or covenants and have obtained all Federal and State permits required.

Owner's signature

Firm Name

Date

Application: _____ Accepted: _____ Rejected

Reviewer

Date