

STORMWATER MANAGEMENT REQUIREMENTS: (Check List)

MAJOR ITEMS FOR SUBMISSIONS:

NARRATIVE DESCRIPTION (DRAINAGE REPORT):

- Project description
- Existing site conditions
- Adjacent areas
- Off-site areas
- Critical areas
- Soils data
- Erosion and sediment control measures
- Temporary and permanent stabilization
- Sequence of construction
- Stormwater runoff; including how to comply with water quality and quantity control
- Tables charts, and description of stormwater management practices and/or facilities
- Appendices: shall include all calculations including CBPA Worksheets, pond routing, HGL, system analyses for open and closed, and check of adequacy of downstream/off-site drainage.

PRE AND POST DRAINAGE AREA MAPS:

- Drainage areas including 'C' factor, area, Tc, and CA values or Curve Numbers.
- Identification of limits/boundaries of sub-areas
- Structure identification numbers matching ones used in calculations

EROSION AND SEDIMENT CONTROL MEASURES:

- Identification on plans
- Details of measures
- Standard notes
- Calculations for measures (where necessary)
- Sequence of installation and removal

PLAN SHEETS:

- Professional's stamp
- Limits of construction/disturbance
- Erosion and sediment control measures, details, and notes
- Floodplain information
- Contours/spot grades of site and at a min. 50 feet offsite
- Existing and proposed structures, easements, utilities
- RPA, RMA, wetlands, and/or Reservoir Protection areas (where applicable)
- Site statistics including total parcel area, total disturbed area, existing and proposed impervious area (acreage and %), zoning of site and adjacent properties

MINOR EMS FOR SUBMISSIONS:

Vicinity map
Scale
Tax ID #

North arrow
Title block
Structure ID and type

Street names
Grassed swales @ 1.0% slope

Minimum 15" RCP in all City easements and rights-of-way w/ structure spacing no greater than 150 ft

Minimum 12" pipe on private property w/ structure spacing no greater than 50 ft RCP under all pavement (impervious) areas

BMP Maintenance Agreement (where applicable)

NOTIFICATIONS:

VSMP permit from DCR for construction activities greater than 1.0 acres of land disturbance.
Obtain approvals or provide evidence of submission to of any other permitting agencies (such as ACOE, DEQ, etc.) prior to final submission and/or approval.

PROJECT NARRATIVE

Project Description:

This section should describe the project in detail as to what is being developed on the site. Details of all associated improvements shall be included here.

Existing Conditions:

This section shall describe the present condition of the parcel/area to be developed. Ground covering, any existing improvements, drainage patterns, and any access to the site shall be included here.

Adjacent Areas:

This section shall include descriptions of off-site areas that drain to the site, or additional information of downstream areas from the proposed improvements. Also included shall be a description of surrounding parcels.

Off-site Areas:

This section shall describe any disturbance to areas outside the parcel that will be required as part of the improvements, including where excess material will be hauled should it not be stockpiled on-site.

Critical Areas:

This section shall include special areas on or surrounding the developed site. These areas include existing stormwater management facilities, special protected areas such as Reservoir or Resource Protected areas, highly erodible soils, and other possible areas considered critical.

Soils Data:

This section shall include a description of the soils as identified by the USDA soils survey. Also included shall be reference to any soils testing or other data taken for the site.

Erosion and Sediment Control Measures:

This section shall include a description of all erosion and sediment control measures that will be implemented on the site. Each measure shall be identified for its particular use and why it is being used at a specific location. A description of the maintenance and inspection of the measures shall also be included.

Temporary and Permanent Stabilization:

This section shall include a description of how these two measures will be implemented during and after the construction at the project site. All pertinent information relative to the stabilization of the site shall be included here.

Stormwater Management:

This section shall include statements regarding the requirements, design, and construction of stormwater management facilities. All methodology and required controls (water quality and water quantity) shall be discussed in this section. A summary of the calculations shall be provided, with all printout and written documents provided as appendices. Maintenance and inspection requirements for all facilities shall be described herein.