

Mason County Construction Stormwater Pollution Prevention Plan Checklist

Project Name: _____
County Project No. _____
Review Date: _____
Construction SWPPP Reviewer: _____

Minimum Requirements of the DOE 2005 Stormwater Manual

The Stormwater checklist identifies the minimum requirements of the DOE 2005 Stormwater Manual. The Checklist is intended to identify the locations within the plan that addresses the minimum requirements. Mason County will not perform a technical evaluation of the submittal. Rather, the checklist provides a guide to allow Mason County to review the submittal and determine if the applicant has addressed the minimum features that make up a Stormwater plan.

It is incumbent upon the applicant and his/her engineer to fulfill all the applicable requirements of the 2005 Stormwater Plan as it relates to the proposed project. Review by Mason County is intended to determine if the plan has addressed the minimum requirements. Applicant's engineer shall be responsible for the technical accuracy of the submitted Stormwater plan.

During construction of the project, the stormwater plan engineer of record or his/her authorized representative shall inspect the site to ensure the stormwater plan is being implemented as designed. Upon completion of the project, the engineer or his authorized representative shall be required to certify that the stormwater plan has been implemented as designed.

Failure to meet the minimum requirements could result in delay or rejection of the application until the deficiencies are corrected.

Section I - Construction SWPPP Narrative

1. Construction Stormwater Pollution Prevention Elements

- ___ a. Describe how each of the Construction Stormwater Pollution Prevention Element has been addressed through the Construction SWPPP.
- ___ b. Identify the type and location of BMPs used to satisfy the required element.
- ___ c. Written justification identifying the reason an element is not applicable to the proposal.

12 Required Elements - Construction Stormwater Pollution Prevention Plan

- ___ 1. Mark Clearing Limits, See page/paragraph _____
- ___ 2. Establish Construction Access, See page/paragraph _____
- ___ 3. Control Flow Rates, See page/paragraph _____
- ___ 4. Install Sediment Controls, See page/paragraph _____
- ___ 5. Stabilize Soils, See page/paragraph _____

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- ___ 6. Protect Slopes, See page/paragraph_____
- ___ 7. Protect Drain Inlets, See page/paragraph_____
- ___ 8. Stabilize Channels and Outlets, See page/paragraph_____
- ___ 9. Control Pollutants, See page/paragraph_____
- ___ 10. Control De- Watering, See page/paragraph_____
- ___ 11. Maintain BMPs, See page/paragraph_____
- ___ 12. Manage the Project, See page/paragraph_____

2. Project Description

- ___ a. Total project area. Acres _____ Sq. Ft. _____
- ___ b. Total proposed impervious area. Acres _____ Sq. Ft. _____
- ___ c. Total proposed are to be disturbed, included off-site borrow and fill areas. Ac. ___ Sq. Ft. _____
- ___ d. Total volumes of proposed cut and fill. Cubic Yards _____

3. Existing Site Conditions

- ___ a. Description of the existing topography. See page/paragraph_____
- ___ b. Description of the existing vegetation. See page/paragraph_____
- ___ c. Description of the existing drainage. See page/paragraph_____

4. Adjacent Areas

- ___ I. Description of adjacent areas that may be affected by the site disturbance
 - ___ a. Streams, See page/paragraph_____
 - ___ b. Lakes, See page/paragraph_____
 - ___ c. Wetlands, See page/paragraph_____
 - ___ d. Residential Areas, See page/paragraph_____
 - ___ e. Roads, See page/paragraph_____
 - ___ f. Other, See page/paragraph_____
- ___ II. Description of the downstream drainage path leading from the site to the receiving body of water. (Minimum distance of 400 yards), See page/paragraph_____

5. Critical Areas

- ___ a. Description of critical areas that are on or adjacent to the site. See page/paragraph_____
- ___ b. Description of special requirements for working in or near critical areas. See page/paragraph_____

6. Soils

- ___ Description of on-site soils.
 - ___ a. Soil name(s) , See page/paragraph_____
 - ___ b. Soil mapping unit, See page/paragraph_____

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- ___ c. Erodibility, See page/paragraph_____
- ___ d. Settleability, See page/paragraph_____
- ___ e. Permeability, See page/paragraph_____
- ___ f. Depth, See page/paragraph_____
- ___ g. Texture, See page/paragraph_____
- ___ h. Soil Structure, See page/paragraph_____

7. Erosion Problem Areas

___ Description of potential erosion problems on site. See page/paragraph_____

8. Construction Phasing

- ___ a. Construction sequence, See page/paragraph_____
- ___ b. Construction phasing (if proposed) , See page/paragraph_____

9. Construction Schedule

- ___ I. Provide a proposed construction schedule, See page/paragraph_____
- ___ II. Wet Season Construction Activities
 - ___ a. Proposed wet season construction activities, See page/paragraph_____
 - ___ b. Proposed wet season construction restraints for environmentally sensitive/critical areas. See page/paragraph_____

10. Engineering Calculations

- ___ 1. Provide Design Calculations.
 - ___ a. Sediment Ponds/Traps, See page/paragraph_____
 - ___ b. Diversions, See page/paragraph_____
 - ___ c. Waterways, See page/paragraph_____
 - ___ d. Runoff/Stormwater Detention Calculations, See page/paragraph_____

11. Operations and Maintenance.

- ___ a. An operation and maintenance schedule shall be provided for all proposed stormwater facilities and BMPs, and the party (or parties) responsible for maintenance and operation shall be identified. An operation and maintenance (O&M) Declaration of Covenant will be required to cover all privately owned and maintained stormwater facilities. O&M Declaration of Covenant forms are available at the Mason County Permit Assistance Center, 426 W. Cedar Street, Shelton, WA 98584. The proponent shall record a copy of the completed Declaration with the Mason County Auditors' office. A copy of the recorded document must be submitted to the Permit Assistance Center together with this completed Checklist.

See page/paragraph _____.

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Section II - Erosion and Sediment Control Plans

1. General

- a. Vicinity Map, See page/paragraph_____
- b. Clearing and Grading Approval Block, See page/paragraph_____
- c. Erosion and Sediment Control Notes, See page/paragraph_____

2. Site Plan

- a. Legal description of subject property
- b. North Arrow
- c. Indicate boundaries of existing vegetations, e.g. tree lines, pasture areas, etc.
- d. Identify and label areas of potential erosion problems, See page/paragraph_____
- e. Identify any on-site or adjacent surface waters, critical areas and associated buffers
- f. Identify FEMA base flood boundaries and Shoreline Management boundaries (if applicable), See page/paragraph_____
- g. Show existing and proposed contours
- h. Indicate drainage basins and direction of flow for individual drainage areas
- i. Label final grade contours and identify developed condition drainage basins
- j. Delineate areas that are to be cleared and graded
- k. Show all cut and fill slopes indicating top and bottom of slope catch lines

3. Conveyance Systems

- a. Designate locations for swales, interceptor trenches, or ditches
- b. Show all temporary and permanent drainage pipes, ditches, or cut-off trenches
Required for erosion and sediment control
- c. Provide minimum slope and cover for all temporary pipes or call out pipe inverts
- d. Show grades, dimensions, and direction of flow in all ditches, swales, culverts, and pipes
- e. Provide details for bypassing off-site runoff around disturbed areas
- f. Indicate locations and outlets of any dewatering systems

4. Location of Detention BMPs

- a. Identify location of detention BMPs.

5. Erosion and Sediment Control Facilities

- a. Show the locations of sediment trap(s), pond(s), and pipe structures.
- b. Dimension pond berm widths and inside and outside pond slopes.
- c. Indicate the trap/pond storage required and the depth, length, and width dimensions.
- d. Provide typical section views through pond and outlet structure.
- e. Provide typical details of gravel cone and standpipe, and/or other filtering devices.
- f. Detail stabilization techniques for outlet/inlet.
- g. Detail control/ restrictor device location and details.

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- h. Specify mulch and/or recommended cover of berms and slopes.
- i. Provide rock specifications and detail for rock check dams.
- j. Specify spacing for rock check dams as required.
- k. Provide front and side sections of typical rock check dams.
- l. Indicate the locations and provide details and specifications for silt fabric.
- m. Locate the construction entrance and provide a detail.

6. Detailed Drawings

- a. Any structural practices used that are not referenced in the Ecology Manual should be explained and illustrated with detailed drawings.

7. Other Pollutant BMPs

- a. Indicate on the site plan the location of BMPs to be used for the control of pollutants other than sediment, e.g. concrete wash water.

8. Monitoring Locations

- a. Indicate on the site plan the water quality sampling locations to be used for monitoring water quality on the construction site, if applicable.

I certify that the stormwater plan submitted for this project fulfills the applicable provisions of the 2005 DOE Stormwater Manual.

Engineer

Date

Applicant

Date

Place signed stamp here