

## Construction Stormwater Pollution Prevention Plan Checklist

Project Name: \_\_\_\_\_

City/County Reference No.: \_\_\_\_\_

Review Date: \_\_\_\_\_

On-Site Inspection Review Date: \_\_\_\_\_

Construction SWPPP Reviewer: \_\_\_\_\_

### **Section I – Construction SWPPP Narrative**

#### ***1. Construction Stormwater Pollution Prevention Elements***

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

#### ***Thirteen Required Elements – Construction Stormwater Pollution Prevention Plan***

1. Mark Clearing Limits
2. Establish Construction Access
3. Control Flow Rates
4. Install Sediment Controls
5. Stabilize Soils
6. Protect Slopes
7. Protect Drain Inlets
8. Stabilize Channels and Outlets
9. Control Pollutants
10. Control De-Watering
11. Maintain BMPs
12. Manage the Project
13. Protect Low Impact Development BMPs (Infiltration BMPs)

## **2. Project Description**

- a. Total project area
- b. Total proposed impervious area
- c. Total proposed area to be disturbed, including off-site borrow and fill areas
- d. Total volumes of proposed cut and fill

## **3. Existing Site Conditions**

- a. Description of the existing topography
- b. Description of the existing vegetation
- c. Description of the existing drainage

## **4. Adjacent Areas**

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

## **5. Critical Areas**

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

## **6. Soils**

- I. Description of on-site soils
  - a. Soil name(s)
  - b. Soil mapping unit

- c. Erodibility
- d. Settleability
- e. Permeability
- f. Depth
- g. Texture
- h. Soil Structure

## **7. Erosion Problem Areas**

- a. Description of potential erosion problems on site.

## **8. Construction Phasing**

- a. Construction sequence
- b. Construction phasing (if proposed)

## **9. Construction Schedule**

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

## **10. Financial/Ownership Responsibilities**

- a. Identify the property owner responsible for the initiation of bonds and/or other financial securities.
- b. Describe bonds and/or other evidence of financial responsibility for liability associated with erosion and sedimentation impacts.

## **11. Engineering Calculations**

- I. Provide Design Calculations.
  - a. Sediment Ponds/Traps
  - b. Diversions
  - c. Waterways

- d. Runoff/stormwater detention calculations

## **Section II – Erosion and Sediment Control Plans**

### **1. General**

- a. Vicinity map
- b. City/county of \_\_\_\_\_ clearing and grading approval block
- c. Erosion and sediment control notes

### **2. Site Plan**

- a. Note legal description of subject property.
- b. Show north arrow.
- c. Indicate boundaries of existing vegetation, e.g., tree lines and pasture areas.
- d. Identify and label areas of potential erosion problems.
- e. Identify any on-site or adjacent critical areas and associated buffers.
- f. Identify Federal Emergency Management Agency (FEMA) base flood boundaries and shoreline management boundaries (if applicable).
- g. Show existing and proposed contours.
- h. Indicate drainage basins and direction of flow for individual contributing 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 BMPs**

- a. Show the locations of sediment trap(s), pond(s), pipes and 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.
- h. Specify mulch and/or recommended cover of berms and slopes.
- i. Provide rock specifications and detail for rock check dam(s), if applicable.
- 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 Washington State Department of Ecology's Stormwater Management 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 washwater.

#### **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.
- b. Check for impaired water bodies and address discharges to 303(d) or Total Maximum Daily Load (TMDL) water bodies.