

EROSION AND SEDIMENTATION CONTROL PLAN DEVELOPMENT GUIDE

I. GENERAL INFORMATION ABOUT PROJECT

A. Landowner: \_\_\_\_\_ Name of Builder/Contractor: \_\_\_\_\_

Address: \_\_\_\_\_ Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_

B. Detailed Directions to Project Site: \_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Development Name & Lot No.: \_\_\_\_\_ (if applicable)

C. Has the municipality been contacted concerning this project? \_\_\_Yes \_\_\_No

D. Past, Present and Proposed Land Use:

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\_\_\_\_\_

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E. Briefly describe your project and the extent of earthmoving:

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\_\_\_\_\_

F. Estimated dates for project start-up and completion:

START: \_\_\_\_\_ END: \_\_\_\_\_

G. Give the distance to the nearest receiving stream: \_\_\_\_\_ Feet

Name of Stream: \_\_\_\_\_

Chapter 93 Stream Classification \_\_\_\_\_

H. Soil Type(s) and their limitations:

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(Show soil boundaries on plan drawing or attach a soils map.)

I. Have Wetlands been delineated? \_\_\_ Yes \_\_\_ No

If no, check justification

\_\_\_ Hydric soils or possible wetlands are avoided

\_\_\_ Hydric soils are not present on the site.

Briefly describe how the determination was made:(ex. Soil Survey, Soil Samples, etc...)

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\_\_\_ Other: \_\_\_\_\_

(Hydric Soils List attached.)

II. STORMWATER RUNOFF AND DRAINAGE

A. Are steep slopes in excess of 10% a part of your project, or the immediate surrounding areas?

\_\_\_ YES                      \_\_\_ NO

B. Will runoff from above the project site need to be controlled during construction?

\_\_\_\_ YES                      \_\_\_\_ NO

C. Will your project increase runoff velocities or channelize stormwater runoff?

\_\_\_\_ YES                      \_\_\_\_ NO

\*\*\*If you answered YES to A, B, or C, please make sure your plan addresses these items.

III. SEQUENCE OF CONSTRUCTION

In order for an Erosion and Sedimentation Control Plan to be effective, all phases of construction must take place in an orderly sequence. Every effort should be made to minimize the amount of earth that is exposed and limit the time disturbed earth is exposed to the forces of erosion. The first step in all projects is the installation of sediment barriers or traps below the project, and the installation of any necessary Best Management Practices (BMP's) to handle runoff onto the project. The sequence should then describe the various construction steps necessary to complete the project, and end with the removal of all temporary controls after final stabilization is complete. Please use the space below and label each step in numerical order. Attach additional pages if necessary.

Horizontal lines for writing the construction sequence.

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IV. TEMPORARY CONTROLS

This section is needed to detail any/all temporary erosion control Best Management Practices that will be implemented. Drawings and designs for any practice not illustrated in this manual should be attached and referenced in this section. According to current Chapter 102 Regulations completion of any stage or phase of construction must be protected from accelerated erosion.

A. Check if applicable

- Rock Filter
- Rock Construction Entrance
- Filter Fence (Silt Fence)
- Temporary Seeding
- Temporary Swale
- Filter Bag Inlet Protection
- Other: \_\_\_\_\_

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B. Check if applicable:

- All items checked above will be to the specifications of DEP's Erosion and Sediment Pollution Control Program Manual.
- Alternative Best Management Practices and/or specifications are proposed and are attached.

V. PERMANENT CONTROLS

Prior to completion of the project state law requires that steps be taken to provide permanent stabilization. All disturbed areas must be protected to prevent accelerated erosion. In other words, soil cannot be left exposed. Re-establishment of vegetation and pavement are examples of permanent controls. If you are re-vegetating an area the descriptions should include the seeding mixture to be used, top soil applications, lime, and fertilizer instructions.

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A. Check if applicable

- Permanent vegetation will be established per the recommendations of Penn State's Erosion Control & Conservation Plantings on Noncropland Manual or Penn DOT's publication #408, section 804.
- Alternative specifications have been developed for re-vegetation and are attached.

VI. RECYCLING OR DISPOSAL OF MATERIALS FROM THE PROJECT SITE

Briefly describe how waste materials associated with or from the project site will be disposed of or recycled:

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VII. MAINTENANCE PROGRAM

All erosion control practices require maintenance to function properly. Specific requirements for maintenance are described on the design detail sheets. Please note the following required maintenance procedures and list other applicable procedures for control measures you will be using. (Maintenance Programs for BMP's can be found in DEP's Erosion and Sediment Pollution Control Program Manual.)

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REQUIRED      Until the site is stabilized, all erosion and sedimentation controls must be maintained properly. Maintenance must include inspections of all erosion and sedimentation controls after each storm event and on a weekly basis. All preventative and remedial maintenance work, including clean out, repair, replacement, mulching, and renetting must be performed immediately.

REQUIRED      After final site stabilization has been achieved, temporary erosion and sedimentation controls must be removed. Areas disturbed during removal of the controls must be stabilized.

REQUIRED      Should any measure contained within this plan prove incapable of adequately removing sediment from on site flows prior to discharge or of stabilizing the surfaces involved, additional measures must be immediately implemented by the property owner to eliminate all such problems.

REQUIRED      Permanent vegetative cover is defined as uniform 70% vegetative cover of erosion resistant perennial species have been achieved.

**VIII. EROSION CONTROL PLAN - DRAWING**

A plan drawing illustrating your erosion control plan is required. A blank plan has been included to assist you in this effort. If a blueprint plan is available for your lot you may use it to develop your plan in lieu of the attached blank plan.

CHECKLIST  
EROSION AND SEDIMENTATION CONTROL PLAN

1. The topographical features and soils of the project area.
  - \_\_\_\_(a) Existing and proposed contours are shown on the plan.
  - \_\_\_\_(b) Existing and proposed watercourses are clearly shown (includes any wetlands).
  - \_\_\_\_(c) Sufficient surrounding area is shown which indicates the receiving watercourse(s) or areas for all drainage exiting the site.
  - \_\_\_\_(d) Plans include a site and location map.  
(8 ½ X 11 topographic map with the project area outlined)
  - \_\_\_\_(e) All soil types and boundaries are clearly marked on the plan drawings or a soils map.  
Soil characteristics are presented in the plan narrative.
  - \_\_\_\_(f) If hydric soils are found on the site a wetland determination must be performed and all wetlands within the project area must be delineated on the plan drawings.
  
2. The proposed alteration to the project area.
  - \_\_\_\_(a) Drawings are legible and are of sufficient detail to clarify operations at each and every stage of construction. Map must include a north arrow.
  - \_\_\_\_(b) Final grades, contours and watercourses are clearly shown.

- \_\_\_\_(c) The sequence of operations at each stage of construction, including implementation of control measures and control facilities, is clearly explained within the plan narrative.
- \_\_\_\_(d) Drawings and/or narrative provides construction and materials specifications for the temporary control measures and control facilities for use during earthmoving.
- \_\_\_\_(e) Plan narrative details the maintenance requirements and contains a schedule for maintaining all control measures and control facilities.
- \_\_\_\_(f) Responsibility (person or work group identified) for all maintenance work is clearly stated.
- \_\_\_\_(g) Drawings and/or narrative provides construction and materials specifications for permanent control measures and control facilities.

3. Control Measures

- \_\_\_\_(a) Work staging minimizes exposed areas during earthmoving.
- \_\_\_\_(b) All surface waters from upstream areas are diverted safely away from earthmoving areas.
- \_\_\_\_(c) Conditions for achieving permanent site stabilization are provided in the plan narrative.
- \_\_\_\_(d) Provisions for interim stabilization measures are provided in the plan narrative.
- \_\_\_\_(e) All runoff from the project area is conveyed to a control measure or control facility before entering a receiving watercourse.