



SECTION 67

Soil Erosion & Sediment Control

67.0 [RESERVED]

67.1 GENERAL

When any *use, building or structure* or site development that is subject to these regulations involves a *disturbed area* of one-half (1/2) acre or more, or otherwise when provision for *soil erosion* and *sediment* control is required by these regulations, a certified *Soil Erosion & Sediment Control Plan* (“control plan”) in connection therewith will be in effect prior to, during and upon completion of construction. The control plan may be integrated with plot plans, Site Plans, other maps and plans and Statements of *Use* required by these regulations and will cover all construction, clearing, grading and site development locations that constitute a *disturbed area*. A control plan certified by the Planning Commission in connection with approval of a subdivision under the Subdivision Regulations and in effect for the *lot* where the *disturbed area* is located, may constitute the control plan required by these regulations.

67.2 SPECIAL DEFINITIONS

Certain words used in this Section are defined as follows:

- 67.2.1 **Disturbed Area.** An area where the cover is destroyed or removed leaving the land subject to accelerated *erosion*.
- 67.2.2 **Erosion.** The detachment and movement of *soil* or rock fragments by water, wind, ice and gravity.
- 67.2.3 **Inspection.** The periodic review of *sediment* and *erosion* control measures shown on the certified Control Plan.
- 67.2.4 **Soil Erosion & Sediment Control Plan.** A plan for minimizing *soil erosion* and sedimentation, consisting of no less than a map and narrative as follows:
 - A. A narrative describing the project, the schedule of conservation practices, design criteria, construction details and the maintenance program for any *erosion* and *sediment* control facilities that are installed; and
 - B. A map showing topography, cleared areas and graded areas, proposed area alterations and the location of and detailed information concerning *erosion* and *sediment* measures and facilities.
- 67.2.5 **Sediment.** Solid material, either mineral or organic, that is in suspension, is transported, or has been moved from its site of origin by *erosion*.
- 67.2.6 **Soil.** Any unconsolidated mineral and organic material of any origin.

67.3 CONTROL PLAN

To be eligible for certification, a *Soil Erosion & Sediment Control Plan* will contain proper provisions to adequately control accelerated *erosion* and sedimentation and reduce the danger from stormwater runoff on the lot based on the best available technology. The principles, methods and practices necessary for certification are found in the most current versions of the following:

1. Connecticut Guidelines for *Soil Erosion & Sediment Control*,
2. CT DEEP General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities,
3. CT DEEP General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems.

Alternative principles, methods, and practices may be used with prior approval of the Enforcement Officer. The control plan will contain the following to the extent applicable to the particular *use, building, structure*, and site development.

67.3.1 **Narrative.** A narrative, describing elements, such as the following:

- A. The *use, building, structure*, and site development;
- B. The schedule for grading and construction activities, including:
 1. Start and completion dates;
 2. Sequence of grading and construction activities;
 3. Sequence for installation or application of *soil erosion* and *sediment* control measures; and
 4. Sequence for final stabilization of the project site;
- C. The design criteria for proposed *soil erosion* and *sediment* control measures and storm water management facilities;
- D. The construction details for proposed *soil erosion* and *sediment* control measures and storm water management facilities;
- E. The installation or application procedures for proposed *soil erosion* and *sediment* control measures and storm water management facilities; and
- F. The operations and maintenance program for proposed *soil erosion* and *sediment* control measures and storm water management facilities.

67.3.2 **Map.** A site plan map at a sufficient scale to show the following:

- A. The location of the proposed *use, building, structure*, and site development and adjacent properties;
- B. The existing and proposed topography including *soil* types, *wetlands, watercourses* and waterbodies;
- C. The existing *structures* on the *lot*, if any;
- D. The proposed area alterations, including cleared, excavated, filled or graded areas, and proposed *buildings, structures*, utilities, roads and, if applicable, new property lines;



- E. The location of and design details for all proposed *soil erosion* and *sediment* control measures and storm water management facilities;
- F. The sequence of grading and construction activities;
- G. The sequence for installation or application of *soil erosion* and *sediment* control measures;
- H. The sequence for final stabilization of the development site, and
- I. The name, address and telephone number of the person designated by Applicant for the *use, building*, other *structure* or site development to be responsible for supervision of installation and completion of the control plan. Any other information deemed necessary and appropriate by the Applicant or requested by the Enforcement Officer may be made part of the control plan.

67.4 MINIMUM STANDARDS

The following are minimum standards applicable to *Soil Erosion & Sediment Control Plans* required by these regulations, and the preparer of the control plan will certify that the Plan complies with the minimum standards:

- 67.4.1 Plans for *soil erosion* and *sediment* control will be developed using the principles as outlined in the most recent version of the Connecticut Guidelines for Soil Erosion & Sediment Control. The *Soil Erosion & Sediment Control Plan* will result in a development that minimizes *erosion* and sedimentation during construction, is stabilized and protected from *erosion* when completed, and does not cause off-site *erosion* or sedimentation.
- 67.4.2 The minimum standards for individual measures will be those in the most recent version of the Connecticut Guidelines for *Soil Erosion & Sediment Control*. The Enforcement Officer or the Connecticut River Coastal Conservation District may approve alternate standards if the Applicant presents technically sound reasons.
- 67.4.3 The appropriate method from the most recent version of the Connecticut Guidelines for *Soil Erosion & Sediment Control* will be used in determining peak flow rates and volumes of runoff unless the Enforcement Officer approves an alternative method.

67.5 CERTIFICATION

The *Soil Erosion & Sediment Control Plan* will be in effect when certified as follows:

- 67.5.1 The Enforcement Officer or the Connecticut River Coastal Conservation District, if so requested, will certify that the *Soil Erosion & Sediment Control Plan*, as filed, complies with the requirements and criteria of this section or will deny certification when the control plan does not comply. Certification may be incorporated in the approval of a Site Plan, Special Exception or other action by the *Commission*, Planning Commission or Board of Appeals and otherwise will be incorporated in the approval of an application for Certificate of Zoning Compliance by the Enforcement Officer.

- 67.5.2 The Enforcement Officer will coordinate certification of the control plan with related actions of other agencies, such as the Board of Selectmen, Planning Commission or the Inland Wetlands & Watercourses Commission.

67.6 CONDITIONS

The *Soil Erosion & Sediment Control Plan* will be certified, subject to the following:

- 67.6.1 The estimated cost of measures and facilities to control *erosion* and sedimentation will be guaranteed by a cash or savings account bond in form acceptable to and in amount deemed sufficient by the *Commission*, Planning Commission or Board of Appeals in connection with their actions under these regulations or otherwise acceptable to and deemed sufficient by the Enforcement Officer. It is not intended, however, that the bond duplicate similar bonds required by other agencies.
- 67.6.2 No site development will commence unless the *Soil Erosion & Sediment Control Plan* is certified, the bond has been posted, and the control measures in the Plan, scheduled for installation prior to site work, have been installed and are functional.
- 67.6.3 Planned *soil erosion* and *sediment* control measures and facilities will be installed as scheduled according to the certified control plan.
- 67.6.4 All control measures and facilities will be maintained in effective condition to ensure compliance with the certified control plan.

67.7 INSPECTION AND ORDERS

Soil erosion and *sediment* control measures of the certified control plan are subject to inspection. The Enforcement Officer may require the Applicant under these regulations to verify through progress reports that *soil erosion* and *sediment* control measures and facilities have been performed or installed in accordance with the certified control plan and are being operated and maintained.