

## **Section 590**

## **Soil Erosion and Sediment Control.**

**590.1 Intent.** It is the intent of the following regulations to reduce soil erosion and sediment deposition associated with the construction of residential, industrial and commercial uses and other land-disturbing activities, thereby reducing the potential for pollution of Killingly's surface water by sediment; damage to fish, wildlife and other resources; destruction of land by erosion, and; danger from storm water runoff.

**590.2 Activities requiring a certified erosion and sediment control plan.** A soil erosion and sediment control plan shall be submitted with any application for development when the disturbed area of such development is cumulatively more than one-half acre.

**590.3 Exemptions.** The construction of a single-family dwelling on a lot that is not, nor never was, a part of a subdivision of land shall be exempt from these soil erosion and sediment control regulations.

### **590.4 Erosion and sediment control plan:**

**590.4.1** To be eligible for certification, a soil erosion and sediment control plan shall contain proper provisions to adequately control accelerated erosion and sedimentation and rescue the danger from storm water runoff on the proposed site based on the best available technology. Such principles, methods and practices necessary for certification are found in the Connecticut Guidelines for Soil Erosion and Sedimentation Control (1985) as amended. Alternative principles, methods and practices may be used with prior approval of the commission.

**590.4.2** Said plan shall contain, but not be limited to:

A. A narrative describing:

1. The development;
2. The schedule for grading and construction activities including:
  - a. start and completion dates;
  - b. sequence of grading and construction activities;
  - c. sequence for installation and/or application of soil erosion and sediment control measures;
  - d. sequence for final stabilization of the project site;
3. The design criteria from proposed soil erosion and sediment control measures and storm water management facilities;

4. The construction details for proposed soil erosion and sediment control measures and storm water management facilities;
5. The installation and/or application procedures for proposed soil erosion and sediment control measures and storm water management facilities;
6. The operations and maintenance program for proposed soil erosion and sediment control measures and storm water management facilities;
7. Course of action for unforeseen conditions (i.e., heavy rains).

B. A site plan map at a sufficient scale to show:

1. The location of the proposed development and adjacent properties;
2. The existing and proposed topography including soil types, wetlands, watercourse and water bodies;
3. The existing structures on the project site, if any;
4. The proposed area alterations including cleared, excavated, filled or graded areas and proposed structures, utilities, roads and, if applicable, new property lines;
5. The location of and design details for all proposed soil erosion and sediment control measures and storm water management facilities;
6. The sequence of grading and construction activities;
7. The sequence for installation and/or application of soil erosion and sediment control measures;
8. The sequence for final stabilization of the development site.

C. Any other information deemed necessary and appropriate by the applicant or required by the Commission or its designated agent.

**590.5 Minimum acceptable standards:**

590.5.1 Plans for soil erosion and sediment control shall be developed in accordance with these regulations using the principles as outlined in Chapters 3 and 4 of the Connecticut Guidelines for Soil Erosion and Sediment Control (1985) as amended. Soil erosion and sediment control plans shall 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 and/or sedimentation.

590.5.2 The minimum standards for individual measures are those in the Connecticut Guidelines for Soil Erosion and Sediment Control (1985) as amended. The Commission may grant exceptions when requested by the applicant if technically sound reasons are presented.

590.5.3 The appropriate method from Chapter 9 of the Connecticut Guidelines for Soil Erosion and Sediment Control (1985), as amended, shall be used in determining peak flow rates and volumes of runoff unless an alternative method is approved by the Commission.

#### **590.6 Issuance or denial of certification.**

590.6.1 The Killingly Planning and Zoning Commission, upon the advice of the Town Planner, Town Engineer and, when applicable, the Windham County Soil and Water Conservation District (Section 590.6.3), shall either certify that the soil erosion and sediment control plan, as filed, complies with the requirements and objectives of this regulation or deny certification when the development proposal does not comply with these regulations. In the case of a development proposal involving the construction of a permitted single-family or two-family dwelling on a single lot, the required soil erosion and sediment control plan may be certified by the Town Planner and Town Engineer as the designated agents of the Planning and Zoning Commission, (See Section 590, "Certification") (Amend. of 5-20-85)

590.6.2 Nothing in these regulations shall be construed as extending the time limits for the approval of any application under Chapters 121, 124A, or 126 of the General Statutes.

590.6.3 Prior to certification, any plan submitted to the municipality may, when the Commission deems it necessary, be reviewed by the Windham County Soil and Water Conservation District which may make recommendations concerning such plan, provided such review shall be completed within thirty (30) days of the receipt of such plan.

#### **590.7 Conditions relating to soil erosion and sedimentation control:**

590.7.1 As provided by Section 790 of these regulations, the estimated costs of measures required to control soil erosion and sedimentation (said estimated costs to be determined by the Town Engineer) may be required to be covered in a bond or other assurance acceptable to the Commission.

590.7.2 Site development shall not begin unless the soil erosion and sediment control plan is certified and those control measures and facilities in the plan scheduled for installation prior to site development are installed and functional.

590.7.3 Planned soil erosion and sediment control measures and facilities shall be installed as scheduled according to the certified plan.

590.7.4 All control measures and facilities shall be maintained in effective condition to ensure the compliance of the certified plan.

**590.8 Inspection:**

590.8.1 Inspections shall be made by the Commission or its designated agent (i.e., Town Planner, Town Engineer) during development to ensure compliance with the certified plan and that control measures and facilities are properly performed or installed and maintained. The Commission may require the permittee to verify through progress reports that soil erosion and sediment control measures and facilities have been performed or installed according to the certified plan and are being operated and maintained. (Amend. of 2-11-85)