

SECTION 6 SEDIMENTATION AND EROSION

6.0 SEDIMENTATION AND EROSION CONTROL

A soil erosion and sediment control plan shall be submitted with all Subdivisions applications where the disturbed area of such development is cumulatively more than one-half (1/2) acre. Subdivision applications which propose the disturbance of cumulatively more than one-half (1/2) acre must obtain a certified approval of the soil erosion and sediment control plan. "Certification" means a signed, written approval by the Commission or its designated agent that a soil erosion and sediment control plan complies with the applicable requirements of these Regulations.

To be eligible for certification, a soil erosion and sediment control plan shall contain proper provisions to adequately control accelerated erosion and sedimentation and reduce the danger from stormwater runoff on the proposed site based on the best available technology. Such principles, methods and best practices necessary for certification are found in the "Guidelines" and these Regulations. Alternative principles, methods and practices may be used only with the approval of the Commission.

6.1 SOIL EROSION AND SEDIMENT CONTROL PLAN

Each erosion and sediment control plan shall be prepared by a registered professional engineer and shall contain, but not be limited to the following:

A narrative describing:

The type and purpose of the development/construction;

The schedule for grading and construction activities including:

- Estimated start and completion dates, which address seasonal concerns;
- Sequence of grading and construction activities;
- Sequence for installation and/or application of soil erosion and sediment control measures;
- Sequence for any temporary removal and re-installation of the soil and sediment control measures;
- Sequence for final stabilization of the site;

The design criteria for proposed soil erosion and sediment control measures and storm water management facilities;

The construction details for proposed soil erosion and sediment control measures and storm water management facilities;

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The installation and/or application procedures for proposed soil erosion and sediment control measures and storm water management facilities;

The operations and maintenance program for proposed soil erosion and sediment control measures and storm water management facilities.

6.2 SUBDIVISION EROSION AND SEDIMENT CONTROL MAP

The Subdivision application shall include a map, drawn at a scale of 1" = 40', at a minimum, (Sheet size of 24" x 36") in accordance with Class A-2 standards as defined by the existing Code of Practice for Standards of Accuracy of Surveys and Maps adopted by the Connecticut Association of Land Surveyors showing the following:

- The location of the proposed development and adjacent properties;
- The boundaries of the property;
- The existing and proposed topography including soil types, wetlands, watercourses and water bodies;
- The existing structures on the project site, if any;
- The proposed area alterations including cleared, excavated, filled or graded areas and proposed structures, utilities, roads, driveways and, if applicable, new property lines and proposed easements;
- The location of and design details for all proposed soil erosion and sediment control measures and storm water management facilities;
- The sequence of grading and construction activities;
- The sequence for installation and/or application of soil erosion and sediment control measures;
- The sequence for final stabilization of the development site; and

The soil erosion and sediment control map shall contain any other information deemed necessary and appropriate by the applicant or requested by the Commission or its designated agent. The designated agent is the Town Engineer or the Zoning Enforcement Officer.

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6.3 EROSION AND SEDIMENT CONTROL PLAN, CERTIFICATION SIGNATURE BLOCKS

Erosion and sediment control plans shall contain the following certification signature blocks, as applicable:

“I hereby certify that this plan is in compliance with the Town of Granby Soil Erosion and Sediment Control Regulations and the Connecticut Guidelines for Soil Erosion and Sediment Control dated 2002, as amended.”

(Signature)_____, (Date)_____

(Name)_____, (P.E. Registration)_____

“The Planning and Zoning Commission of the Town of Granby certifies that this Soil Erosion and Sediment Control Plan complies with the Town’s Soil Erosion and Sediment Control Regulations and the Connecticut Guidelines for Soil Erosion and Sediment Control dated 2002, as amended.”

(Signature)_____, (Date of Approval) _____

“The Town Engineer or Zoning Enforcement Officer of the Town of Granby certifies that this Soil Erosion and Sediment Control Plan complies with the Town’s Soil Erosion and Sediment Control Regulations and the Connecticut Guidelines for Soil Erosion and Sediment Control dated 2002, as amended.”

(Signature)_____, (Date of approval) _____

6.4 MINIMUM ACCEPTABLE STANDARDS

Plans for soil erosion and sediment control shall be developed in accordance with these Regulations using the principles as outlined in the Connecticut Guidelines for Soil Erosion and Sediment Control (2002), 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.

The minimum standards for individual measures are those contained in the Connecticut Guidelines for Soil Erosion and Sediment Control (2002), as amended. The Planning and Zoning Commission or the Hartford County Soil and Water Conservation District may grant exceptions when requested by the applicant if technically sound reasons are presented

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Computations for runoff shall be in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control (2002), as amended; the CONNDOT Drainage Manual (2002), as amended, or other generally accepted engineering standards.

6.5 ISSUANCE OR DENIAL OF CERTIFICATION

The Commission 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. Certification will normally occur together with the Commission's final action of the application.

Nothing in these Regulations shall be construed as extending the time limits for the final action of any application under Chapters 124 of the Connecticut General Statutes, as amended.

Prior to certification, any plan submitted to the municipality may be reviewed by the 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.

6.6 CONDITIONS RELATING TO SOIL EROSION AND SEDIMENT CONTROL, MAINTENANCE AND EMERGENCY ACTION

The estimated costs of measures required to control soil erosion and sedimentation, as specified in the certified plan, shall normally be covered by a cash bond or other assurance acceptable to the Commission in accordance with the provisions specified within these Regulations.

Site development, preparation and or construction shall not begin unless the soil erosion and sediment control plan is certified.

Excavation, soil disturbance and the removal of vegetation may only begin in accordance with the installation of the planned soil erosion and sediment control measures and facilities as outlined within the certified plan.

All control measures and facilities shall be maintained in effective condition to ensure the compliance of the certified plan and to prevent soil erosion and sedimentation problems.

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It is the developer's/builders responsibility to correct erosion or sedimentation problems in the field and take appropriate measures to avoid such problems. In the event that the erosion and sediment control measures, as shown on the certified plan, are not functioning to prevent erosion and sedimentation, either through inadequate design, emergency conditions, or unforeseen field conditions, the Planning and Zoning Commission or its designated agent shall direct the developer to revise the plan to correct and/or eliminate any deficiencies in the plan, and to install and maintain new erosion control measures. The developer shall promptly comply with any directives of the Commission, or its designated agent.

In the event that the developer/builder wants to make changes to the certified plan, the developer shall submit a revised plan to the Commission or its designated agent. The Commission, or its designated agent shall review the revised plan and either certify or deny the revised plan in accordance with these regulations.

The Commission, or its designated agent, shall have the authority to order and/or approve changes to the certified plan in the event of unforeseen field conditions which require immediate remedial measures to improve the effectiveness of the certified plan.

In the event that a developer/builder fails to perform the work within the time limits specified in the certified plan or fails to perform any work in accordance with the certified plan, the Commission or its designated agent shall advise the developer in writing of this fact and direct that any necessary work be completed within a specified time. If the developer does not comply with the directions of the Commission, or its designated agent, the Commission may arrange for said work to be done by the Town, or by a private contractor, hired by the Town. The cost of this work shall be paid for with the bond funds that were deposited by the developer and held by the Town.

Should an emergency situation arise, due to extreme weather or the failure or inadequacy of the erosion and sedimentation measures, the Town is authorized to take immediate action to address the situation. The cost of this work shall be paid for with the bond funds that were deposited by the developer and held by the Town. Should the developer's bond funds be insufficient to cover the cost of work performed by the Town or by a private contractor, hired by the Town, the developer/property owner shall be obligated to reimburse the Town for the expenses. In such cases final Certificates of Occupancy and/or new Building Permit may be withheld and or stop work orders issued until such time that the Town is reimbursed for its costs.

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6.7 INSPECTIONS

Inspections shall be made by the designated agent during development to ensure compliance with the certified plan and to ensure that control measures and facilities are performing properly. The Commission, or its designated agent, may require the developer to submit progress reports to verify that the soil erosion and sediment control measures have been installed properly and that they are being operated and maintained in accordance with the certified plan. If progress reports are required, they shall correspond to the construction/installation sequence of the certified plan.

6.8 AGREEMENT

An agreement permitting the Town or its agent to enter onto the property to make inspections, emergency repairs, corrections or installations (on forms provided by the Town) shall accompany all bonds.