

CONSERVATION ENGINEERING TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS:

This position is responsible for technical planning and implementation of structural conservation practices on public and private property. Performs a variety of technical duties and other assistance to land owners, groups, organizations and units of government related to the planning and establishment of various soil and water conservation practices. Works with District and United States Department of Agriculture Natural Resource Conservation Service personnel in the implementation of all district programs with emphasis on agricultural and stormwater engineering assistance, design and implementation. This position is under the direct supervision of the Conservation District Manager.

TYPICAL WORK ACTIVITIES:

The following is indicative of the level and types of activities performed by incumbents in this title. It is not meant to be all inclusive and does not preclude a supervisor from assigning activities which could reasonably be expected to be performed by an employee in this title.

1. Provides both general and engineering assistance to land owners, contractors, and municipalities;
2. Applies good judgment in the selection of appropriate "Best Management Practices";
3. Develops design plans relative to construction of conservation and agricultural projects;
4. Prepares engineering designs, performs layouts, implementation, and construction inspections of soil and water conservation projects;
5. Collects, researches and analyzes data from a variety of sources;
6. Prepares maps, field risk assessments, and related conservation program materials;
7. Prepares and maintains records;
8. Attends meetings and training sessions as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of the planning, design and application of conservation practices and conservation systems including detailed surveys, designs, installations, and documentation to develop effective technical assistance, direction, guidance, and quality assurance to landowners, contractors, and staff;

Knowledge of principles and practices of erosion and sediment control and/or stormwater management used in order to design and construct land and water conservation projects;

Knowledge of construction materials and construction equipment to develop effective maintenance of drainage systems and other conservation projects;

Knowledge of principles and practices of agricultural engineering used in order to design and construct land and water conservation projects;

Ability to interpret maps, graphs, and charts;

Ability to direct the work of others;

Ability to deal effectively with the public;

Ability to compile and prepare reports;

Personal characteristics necessary to perform the duties of the position;

Physical condition commensurate with the demands of the position.

CONSERVATION ENGINEERING TECHNICIAN (Cont'd)

MINIMUM QUALIFICATIONS:

- EITHER: (A) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's Degree in Agricultural Engineering, Civil Engineering, Forest Technology, Landscape Design, Natural Resource Conservation, Surveying, or closely related studies and five years of work experience in Agricultural and/or Civil Engineering which included survey and/or design related work;
- OR: (B) Graduation from a regionally accredited or New York State registered college or university with an Associate's Degree in Agricultural Engineering, Civil Engineering, Forest Technology, Landscape Design, Natural Resources Conservation, Surveying, or closely related studies and seven years of work experience in Agricultural and/or Civil Engineering which included survey and/or design related work;
- OR: (C) An equivalent combination of training and experience as indicated in (A) and (B), above.

SPECIAL REQUIREMENTS:

Possession of a New York State Driver License at time of appointment and to maintain position.

EV2221

ADOPTED: 12/04/2006

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