

## COUNTY SOIL SCIENTIST

**GRADE 40**

### **GENERAL DEFINITION OF WORK:**

*FLSA Status: Exempt*

Performs intermediate professional and administrative work managing the soil survey and interpretation program; does related work as required. Work is performed under general supervision. Supervision is exercised over subordinate division personnel.

### **ESSENTIAL FUNCTIONS/TYPICAL TASKS:**

**Planning, directing and participating in the County's soil survey and interpretation program; conducting high intensity soil mapping in the field; interpreting soil survey data; maintaining data for publication; preparing and maintaining files and records; preparing reports.**

(These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.)

- Supervises, directs and evaluates assigned staff; processes employee concerns/problems; counsels, disciplines and completes employee performance appraisals; conducts/coordinates staff training; coordinates daily work activities; organizes, prioritizes, assigns and monitors status of work and inspects completed work; assists with complex/problem situations; provides technical expertise.
- Provides private and public sector with County soil survey interpretations to determine wise land use.
- Produces Type I Soil Surveys at the request of Fauquier County landowners.
- Reviews and makes recommendations for all site plans and construction plans for Technical Review Committee.
- Reviews and makes recommendations regarding preliminary plat, special exception, rezoning, comprehensive plan amendment and special permit submission for Planning Committee.
- Analyzes proposed projects presented at pre-application meetings with private and public sector.
- Reviews soil for difficult on-site residential and all commercial wastewater system with County Health Department.
- Helps develop overlay district ordinances dealing with environmentally sensitive areas.
- Conducts soil review of County owned Community Wastewater System for Catlett, Calverton and Midland Industrial Park.
- Reviews and approves soils and site conditions for all subdivisions and community mass drain field systems.
- Verifies preliminary and final soil reports submitted by private certified professional soil scientist.
- Assists other government agencies in educating private sector on soil types and accurate interpretation.
- Completes Memorandum of Understanding; supervises, updates and edits the Soil Survey Manuscript; serves as official designee to enter/manipulate data in the National Soil Information System for USDA Natural Resource Inventory Reports.
- Conducts training in proper use of County Soil Survey information to local, state and federal agencies.
- Responsible for providing the Building Department with Subdivision Final Soil Report to be used for the issuance of building permits.
- Supervises the running of selected soil tests at the County Soil Survey Laboratory.
- Maintains and updates County Soil Interpretive Guide.
- Performs related tasks as required.

### **KNOWLEDGE, SKILLS AND ABILITIES:**

Comprehensive knowledge of soils and their formation, classification and use; thorough knowledge of various building construction and appropriate soil requirements; ability to evaluate soil data and to read plats and blueprints of proposed construction; ability to prepare and present technical reports both orally and in writing; ability to establish and maintain effective working relationships with associates and the general public.

### **EDUCATION AND EXPERIENCE:**

Any combination of education and experience equivalent to graduation from an accredited college or university with major course work in soil science or related field and considerable soil survey experience.

### **PHYSICAL REQUIREMENTS:**

This is medium work requiring the exertion of 50 pounds of force occasionally, up to 20 pounds of force frequently, and up to 10 pounds of force constantly to move objects; hearing is required to perceive information at normal spoken word levels; visual acuity is required for depth perception, color perception, preparing and analyzing written or computer data, visual inspection involving small defects and/or small parts, use of measuring devices, operation of machines, operation of motor vehicles or equipment, determining the accuracy and thoroughness of work, and observing general surroundings and activities; the worker is subject to inside and outside environmental conditions, extreme heat, hazards, and atmospheric conditions.

### **SPECIAL REQUIREMENTS:**

Possession of an appropriate driver's license valid in the Commonwealth of Virginia. Possession of Virginia Professional Soil Scientist certificate within two years of employment.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.