

## **STREAM PROGRAM PROFESSIONAL ENGINEER**

**DISTINGUISHING FEATURES OF THE CLASS:** This is an important technical position under the general administrative supervision of the Delaware County Soil and Water Conservation District (SWCD) Executive Director. Primary responsibilities include, but are not limited to, the direction of geomorphic data collection, analyses, and management; restoration project design, design approval, and construction oversight; writing and editing technical sections of a watershed wide Stream Management Plan; public education and outreach; preparation of progress reports; and coordination and cooperation with involved agencies.

**TYPICAL WORK ACTIVITIES:** (Illustrative Only):

Supervise geomorphic data collection, organization, and management. Assist with data analysis and the compilation of results, conclusions and recommendations. May perform flood routing, storm water runoff, and hydraulic and hydro-logic analyses on a watershed. Identify stream restoration project sites and estimate project costs. Develop, approve, and certify designs for stream restoration projects. Supervise construction of stream restoration projects. Prepare and assist staff with preparation of maps and GIS data layers. Cooperate with involved local, regional, state, and federal government agencies. Assist with preparation of grant applications. Participate in public outreach efforts. Write and edit technical sections of the Stream Management Plan Review and evaluate data collection techniques, quality assurance and quality control methodologies.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL**

**CHARACTERISTICS:** Thorough knowledge of geomorphic principles and practices. Thorough knowledge of applicable state, federal, and local rules, regulations, and laws pertaining to stream work. Thorough knowledge of environmental and/or civil engineering principles, practices, and professional ethics. Thorough knowledge of HEC-RAS and related hydraulic modeling software. Thorough knowledge of Land Development Desktop and/or other computer aided design programs. Good knowledge of local geography and local, state, and federal governments. Good knowledge of grant application procedures and potential funding sources. Ability to communicate effectively, both orally and in writing, including presentations to various groups. Ability to supervise the work of others. Ability to read and understand complex written material. Ability to work independently, manage work load efficiently and effectively, and demonstrate accuracy, integrity, confidentiality and good professional judgement. Ability to maintain a professional and cooperative working relationship with all agency and interagency staff. Physical condition commensurate with the position.

**MINIMUM QUALIFICATIONS:**

Registered Professional Engineering licensed to practice in the United States.

**NOTE:** If not currently licensed in New York State, candidate would be required to obtain a New York State license within six months of appointment.

**SPECIAL REQUIREMENT:** Possession of a valid New York State driver's license is required at time of appointment and must be maintained during employment.

Approved 12/18/03

Reviewed 1/7/19; 7/24/25

Revised: 2/4/25