

ENGINEER I (SEWERS)*

DISTINGUISHING FEATURES OF THE CLASS: This is entry-level professional engineering work of a moderately complex nature involving responsibility for the performance of a variety of duties which may be performed in the field or in the office within the Rockland County Sewer District. The work is performed under the supervision of a higher-level administrator and work guidance (e.g., lead work) may be provided to lower level technical and/or clerical employees. Does related work as required.

TYPICAL WORK ACTIVITIES:

Assists in conducting inflow infiltration surveys at private homes looking for illegal connections and explaining corrections;

Assists in preparing specifications for construction or modifications of sewerage infrastructure;

Searches for deed data relating to property and acquisition surveys and maps;

Reviews routine designs, computations and plans of other engineers for mistakes and errors;

Performs smoke tests checking for leaks in manholes;

Inspects pump stations and identifies mechanical and hydraulic problems;

Inspects construction projects involving sewers and monitors the construction of sewer lines, force mains, pumping stations and other projects;

Inspects sanitary sewer building tie-ins and subdivision sewerage systems;

Handles inquiries from the public regarding interceptor sewers and laws governing the discharge of wastes;

Reviews plans and specifications for subdivision and non-residential sewer construction for compliance with Sewer District regulations and EPA grant conditions;

Responds to emergency calls as required;

Performs special technical projects as required;

Performs other related duties as directed by a supervisor;

May contact homeowners to secure easements and resolve problems;

May prepare basic reports.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Good knowledge of the principles, practices and terminology of engineering and construction methods and materials; good knowledge of physics and mathematics; working knowledge of design equipment and techniques; ability to interpret engineering plans and specifications; ability to prepare basic reports.

MINIMUM QUALIFICATIONS: A Bachelor's degree or higher in Engineering.

SPECIAL REQUIREMENTS:

1. Possession of a valid driver's license.
2. Pre-employment medical examination and medical clearance for the use of respiratory equipment.

*This reflects a retitling of Engineer I (Field).

R.C.D.P. 01.01.2025

Competitive