

## SENIOR ENGINEERING TECHNICIAN (ENVIRONMENTAL FACILITIES)

DISTINGUISHING FEATURES OF THE CLASS: Under supervision, does engineering computations and routine drafting either in the field or in the office, and inspects sewer lines and connections and small water or wastewater facility construction projects. Supervision is not ordinarily a responsibility of this position. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Uses Global Positioning Systems (GPS) equipment to locate and map various facilities such as sanitary sewer manholes;

Provides accurate, precise GPS data using approved practices for a variety of county projects;

Plots GPS data using Global Information Systems (GIS) software;

Reviews and plots areas, sections and profiles for the CMOM (Capacity, Management, Operation and Maintenance Programs for Municipal Sanitary Sewer Systems);

Prepares field notes and reports;

Inspects sanitary sewer manholes and pipelines using video equipment;

Inspects water and/or wastewater facility construction projects of small or moderate size;

Assists in making construction estimates and calculations;

Assists in the preparation of the monthly estimates;

Recommends changes, based on field conditions and implement same with guidance from supervisor;

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

May perform other incidental tasks, as needed.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Familiarity with water and/or wastewater facility construction practice and theory; familiarity with survey practices and/or GPS practices; familiarity with GIS software; ability to make simple sketches, maps, plans and engineering computations; ability to effectively use computer applications such as spreadsheets, word processing, e-mail and database software; ability to get along well with others; accuracy; reliability; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: High school or equivalency diploma and either: (a) four years civil technology experience, two of which must have been related to environmental facility projects; or (b) completion of a two year program\* in construction or civil technology at a recognized post high school, trade or technical school, and two years of specialized experience as indicated in (a); or (c) a satisfactory equivalent combination of the foregoing training and experience as defined by the limits of (a) and (b).

SUBSTITUTION: College education\* in a related field may be substituted at the rate of 30 credit hours for one year of experience up to a maximum of four years.

\*SPECIAL NOTE: Education beyond the secondary level must be from an institution accredited or recognized by the Board of Regents of the New York State Education Department as a post secondary degree granting institution.

SPECIAL REQUIREMENTS: (1) Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety; (2) Possession of a valid driver's license to operate a motor vehicle in the State of New York.

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated in the minimum qualifications will be considered in evaluating experience.