

JUNIOR PROJECT ENGINEER - WATER DISTRIBUTION

Code No. 4-14-187
COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is an entry-level engineering position involving participation in the design and construction of water supply facilities. The employee may perform field work and other related engineering support tasks. The employee works under the general supervision of a Project Engineer – Water Distribution or other senior-level engineering staff member. Supervision of others is not a regular responsibility of this class, although employees may direct the work of technical and support staff for specific projects. Does related work as required.

TYPICAL WORK ACTIVITIES: (All need not be performed in a given position. Other related activities may be performed although not listed.)

Designs or assists in the design and preparation of specifications for water system construction projects such as booster stations, storage facilities, and water mains;

Interprets engineering and survey maps;

Reviews plans for subdivisions and new service installation for conformance with Monroe County Water Authority Standards;

Prepares various studies and reports;

Acts as liaison between the Monroe County Water Authority and organizations such as Federal, State, County, and Town agencies, contractors, and other utilities on assigned projects;

Participates in inspection activities for Monroe County Water Authority construction projects;

Resolves problems related to Monroe County Water Authority projects with contractors and others;

Prepares necessary correspondence concerning construction projects;

Acts as survey party chief.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS: Good knowledge of Civil Engineering practices as related to water system facilities; good knowledge of modern construction methods, construction inspection techniques, drafting, and engineering analysis; good oral and written communication skills; ability to design engineering projects, including the preparation of plans and specifications; tact in dealing with governmental agencies, contractors, consumers, and property owners; willingness to work outdoors; good judgement; integrity; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of an equivalency diploma, plus EITHER:

- (A) Graduation with a Bachelor's degree in Civil, Sanitary, Construction Engineering/Technology, or a closely related field; OR,
- (B) Graduation with an Associate's degree in Civil, Sanitary, Construction Engineering/Technology, or a closely related field, plus two (2) years paid full-time or its part-time equivalent experience in civil, sanitary, or construction engineering/technology; OR,
- (C) Four (4) years paid full-time or its part-time equivalent experience in civil, sanitary, or construction engineering/technology; OR,

- (D) An equivalent combination of education and experience as defined by the limits of (A), (B), and (C) above.

NOTE: Your degree must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education. If your degree was awarded by an educational institution outside the United States and its territories, you must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found on the Internet at <http://www.cs.ny.gov/jobseeker/degrees.cfm>. You must pay the required evaluation fee.

SPECIAL REQUIREMENT: If you are appointed, you will be required to possess a valid license to operate a motor vehicle in New York State or otherwise demonstrate your capacity to meet the transportation needs of the job.

Monroe County Civil Service Commission

ADOPTED: September 3, 1998

REVISED: March 5, 2026