

## ASSISTANT CIVIL ENGINEER - WATER DISTRIBUTION

Code No.: 3-14-037

COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is an entry-level engineering supervisory position involving responsibility for the design and construction of public water supply facilities. Works under the direct supervision of the Civil Engineer when assigned to a specific project and the general supervision of the Senior Civil Engineer. Supervises Technicians as required. Does related work as required.

### TYPICAL WORK ACTIVITIES:

Designs, under the direction of the Civil Engineer, facilities such as pumping stations, structures, water mains and related projects;

Acts as Party Chief of a survey team; reduces survey calculations;

Inspects and resolves construction problems on projects contracted by the Monroe County Water Authority;

Checks cathodic protection systems and prepares reports;

Conducts soil tests and interprets data for pipeline design;

Makes hydraulic calculations concerning system operations;

Conducts flow tests;

Reviews developers' plans;

Assists in hydraulic network analyses;

Inspects developers' water facilities related construction;

Completes "As Built Drawings";

Makes drawings for pending construction projects;

May obtain easements for construction projects.

### FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL

CHARACTERISTICS: Good knowledge of Civil Engineering practices as related to design and construction of public water distribution facilities; Good knowledge of engineering field survey work; Good knowledge of modern construction methods and techniques; good oral and written communication skills; ability to design engineering projects including the preparation of plans and specifications; ability to conduct system flow testing and make hydraulic calculations and other engineering

computations; good judgment; tact in dealing with developers, contractors and property owners; willingness to work outdoors; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from a regionally accredited or New York State registered college or university with an Associate's degree in Sanitary or Civil Engineering plus three (3) years paid full time experience in Sanitary or Civil Design and/or construction.

PROMOTIONAL REQUIREMENTS:

At least two (2) years experience as an Engineering Technician, Construction Inspector or Environmental Technician in the Monroe County Water Authority Engineering and Distribution Department.

SPECIAL REQUIREMENTS: Depending on position duties, candidates for employment with Monroe County Government will be required to pass a pre-employment drug test.

**SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES**

Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving direct contact with students, a clearance for employment from the State Education Department is required.

ADOPTED: January 14, 1971

REVISED: May 21, 1981