

### Engineer 3

As a registered professional engineer, plans and prioritizes assigned projects involving new construction and modifications to existing facilities, , design plans for assigned projects, prepares project specification and standard design data, determines required safety and maintenance characteristics of planned facilities to ensure compliance with applicable specifications by conducting on-site project inspection, operates motor vehicle to conduct field visits to construction sites to inspect existing projects and observe progress and contract compliance, checks plans for accuracy and conformance to safety and regulatory requirements, prepares cost estimates and reviews cost estimates prepared by others. Reviews change orders, provides liaison with contractors concerning modifications of plans, processes partial contractor payments, coordinates selection of project consultants and reviews consultants' recommendations. May seal plans as authorized and required.

Assists in the development of policies, guidelines and budgeted expenses relevant to the unit's operations, provides input for the preparation of contracts, counsels contractors and other areas of the county on matters pertinent to the unit, resolves complaints from public on matters originated by the unit, controls quality and standardization of test procedures, reviews and authorizes requisitions and material orders, directs the maintenance of relevant engineering documentation and provides statistical analyses, diagrams, graphs, flow charts, and related information media, provides reports covering progress of projects and costs incurred, provides technical leadership to assigned lower-level engineers and technicians, supervises entry level engineer as assigned, attends training as assigned.

### Senior Engineer

As a registered professional engineer, manages consulting and construction contracts as well as internal projects involving new construction and modifications to or rehabilitation of existing facilities to ensure compliance with contract specification and regulations, prepares &/or reviews design plans for new construction or for modifications or refurbishment to existing facilities, provides liaison with local government, utilities and property owners in matters involving public rights-of-way, easements and property purchase agreements, coordinates projects with engineering, operating management, consulting engineers, contractors, inspectors and inspection personnel to eliminate conflicts and potential problems, monitors project work to ensure the achievement of technical & mandated performance results, provides technical guidance in one or more areas of engineering expertise (e.g., sewer, water, and facility construction), develops contracts, invitations to bid, bonding requirements, resolutions and related documentation, reviews plans submitted by others as to compliance with rules, regulations and specifications, recommends contract acceptance to management, operates motor vehicle to conduct field visitation, supervises assigned staff. May seal plans as authorized and required.

Submits reports of project progress and problems to management, provides recommendations for modifications to resolve conflicting design requirements and develops required change orders, reviews operating and maintenance manuals and recommends additions, deletions and changes, directs maintenance of project records, prepares periodic and special reports for internal purposes and regulatory requirements, directs testing and inspection procedures to insure compliance with contracts, performance requirements and applicable regulations, provides day-to-day work direction to engineering staff, inspectors and other personnel assigned to the project., and attends training as assigned

## Minimum Qualifications and Requirements:

### Engineer 3

Must hold professional engineer registration in any state or territory of the U.S. Must have current valid driver's license with acceptable driving record. 2 years of the 4 years of experience required to obtain professional engineer registration must be in utilities or construction management field. Must have completed MCES Engineer (E2) training program. -OR alternative, equivalent evidence of the Minimum Class Requirements may be substituted for required training program but not for mandated registration.

### Senior Engineer

Must hold professional engineer registration in any state or territory of the U.S. Must have current valid driver's license with acceptable driving record. 4 years of experience as a professional engineer in related areas of utilities or construction management field. Must have completed MCES Engineer (E3) training program including MCES program management training. -OR alternative, equivalent evidence of the Minimum Class Requirements may be substituted for experience required but not for mandated registration.