

SENIOR ENGINEERING TECHNICIAN - 379

DEFINITION OF WORK

Under general supervision, performs complex technical and skilled work in a variety of engineering assignments requiring extensive experience and demonstrated technical competency; does related work as required.

EXAMPLES OF WORK

Acts as project supervisor; assigns and coordinates technical work and acts as liaison between City departments, contractors and the public relating to engineering and construction projects; researches, verifies and prepares payments to contractors for completed work; prepares and supervises preparation of preliminary and final agreements between City and contractors on improvement projects; researches and prepares special assessment rolls of utility customer receiving improvements; coordinates the review and approval of development plans; maintains and reviews City permit procedures; lays out, designs and calculates quantities for sewer, drainage, street and miscellaneous buildings, public works and utilities construction projects; plots existing topography and proposed improvements; prepares strip maps of right-of-way to be acquired; searches records for property ownership information; prepares description of property to be acquired; inspects project sites while acting as construction inspector and participates in field surveys; inspects existing buildings for renovations; determines nature and extent of work to be done; estimates costs; arranges for taking of bids; supervises work while under construction.

EMPLOYMENT STANDARDS

Education and Experience: Any combination of education and experience equivalent to a high school or vocational school diploma including courses in drafting, design and mathematics and extensive experience in engineering, drafting or construction work, including considerable experience in engineering design work and/or construction in the field of specialty.

Knowledge, Skills and Abilities: Comprehensive knowledge of the terminology, methods, practices and techniques of engineering, drafting and design; comprehensive knowledge of engineering maps and records; thorough knowledge of mathematics and trigonometry; general knowledge of the basic principles of engineering; ability to make complex engineering computations; ability to reduce, interpret and apply field notes in complex drafting duties; ability to establish and maintain effective working relationships with others; ability to understand and follow complex oral and written instructions and sketches; skill in drafting plans and in the use and care of drafting equipment and instruments.

SPECIAL REQUIREMENT

Possession of a valid North Carolina driver's license.

