

CLASS SPECIFICATION FOR
Design Engineer

GENERAL STATEMENT OF DUTIES: Supervises a department's design division and performs difficult and advanced civil engineering work; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: This is supervisory engineering work in directing the design division of the Public Works or Public Utilities department. Supervision is exercised over engineers and support staff who review construction plans, plans of development and contracts, design construction plans and provide information to the public on plan design. Work is performed under the general supervision of the Assistant Director of Public Utilities or Public Works.

EXAMPLES OF WORK (illustrative only):

- Supervises and coordinates the work of professional engineers;
- Reviews routine, special and controversial plans and conducts investigations, makes recommendations and gives approval to plans;
- Administers the Federal Flood Insurance programs, erosion and sediment control program and the Comprehensive Drainage Study and coordinates with local, State and federal authorities;
- Approves the design and drafting of various construction projects;
- Provides information to citizens, public officials and other departments in response to requests or complaints;
- Reviews zoning cases and Board of Zoning Appeals cases as these relate to roads and drainage;
- Assists in the acquisition of public rights-of-way and easements;
- Reviews and evaluates requests for vacation of rights-of-way and easements;
- Performs related work as assigned.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES: Extensive knowledge of the principles and practices of civil engineering as related to the position assigned; skill in the use of civil engineering instruments and equipment; ability to plan, lay out and direct the work of subordinates; ability to plan projects and to prepare related designs, estimates and specifications; ability to perform difficult engineering computations and to make comprehensive recommendations on engineering problems; ability to establish and maintain effective working relationships with employees and the public; ability to express self clearly and concisely orally and in writing; good professional engineering judgment.

MINIMUM EDUCATION AND EXPERIENCE: Possession of a bachelor's degree in civil engineering and five (5) years of professional design engineering experience; OR, any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

ADDITIONAL REQUIREMENT: Possession of, or eligibility for, a Professional Engineer's license issued by the Commonwealth of Virginia.