

CLASS TITLE: PROFESSIONAL LAND SURVEYOR

Class Code: 02774700
Pay Grade: 32A
EO: C

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To perform complex technical field work as chief of party on survey, computing and/or checking complex engineering computations, performing title searches, establishing highway rights-of-way and preparing survey plans; and to do related work as required.

SUPERVISION RECEIVED: Works under the general supervision of a superior; considerable latitude is granted for the exercise of independent judgement in completion of work assignments which are usually outlined; work is reviewed in process and upon completion.

SUPERVISION EXERCISED: Plans, assigns, supervises and reviews the work of engineering technicians and other personnel assigned to assist.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To direct survey party members in their respective tasks, keep notes, control the accuracy and progress of the work and make complex computations.

To study terrain and perform preliminary survey for probable location of highways and structures; direct the noting of topographic details.

To perform title searches, establish highway rights-of-way, supervise measurements of angles and distances using precise measuring equipment, and direct the locating of right-of-way and boundary markers.

To check contractor's layout for accuracy, take measurements to determine quantities, and supervise the layout of lines and grades for roadway, bridges and drainage.

To perform reconnaissance to determine location of geodetic markers and supervise the setting of monuments, supervise the measurement of precise angles and distances and determine coordinate values using spherical computations.

In the office, to perform complex engineering computations, direct the reduction of field notes and prepare survey plans.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of, and the ability to apply, the basic principles and practices of land surveying; a thorough knowledge of, and the ability to apply, the basic principles of the system of measurements; a thorough knowledge of the equipment, instruments, techniques and procedures applicable; the ability to read and interpret technical specifications and civil engineering plans, maps and drawings; the ability to prepare clear, sound, accurate and informative reports; the ability to plan, organize, supervise and review the work of engineering technicians and other personnel engaged in land surveying; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from a college of recognized standing including the successful completion of courses in algebra, geometry, trigonometry, surveying and highway and/or structural drafting; or, graduation from a junior college with a certificate of completion of a

curriculum in civil and highway engineering technology; or, completion of a technical institute curriculum accredited by the Engineer's Council for Professional Development; and

Experience: Such as may have been gained through: employment in an important supervisory capacity at the level of a senior engineering technician in a public agency or in private industry which has provided experience in the field of land surveying.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

SPECIAL REQUIREMENT: At the time of appointment must possess a certificate of a Professional Land Surveyor issued by the Rhode Island Board of Registration for Professional Engineers and Land Surveyors and must maintain such certification as a condition of employment.

Class Created: November 17, 1991

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