

**New York State Department of Civil Service**  
DIVISION OF CLASSIFICATION & COMPENSATION

Classification Standard

**Occ. Code 5150500**

<b>Assistant Land Surveyor, Grade 20</b>	<b>5150500</b>
<b>Professional Land Surveyor 1, Grade 24</b>	<b>5150600</b>

Brief Description of Class Series

Land Surveyors conduct measurements of space, water, land, and structures to determine boundaries, areas, elevations, alignments, and locations; evaluate and analyze field data; and research public and private land records. Incumbents survey the boundaries of State land and are involved in title research and investigation in connection with the administrative management, acquisition, trespass, occupancy, and adverse claim of title, and in hydrographic and engineering surveys connected with highway design, enforcement of environmental quality regulations, prosecution of violations, management of State fishery resources and development of State lands.

Distinguishing Characteristics

*Assistant Land Surveyor:* exercises professional judgment on complex highway or state land boundary determinations; and may supervise and provide technical direction to staff.

*Professional Land Surveyor 1:* full performance; depending on assignment, may supervise staff and provide administrative supervision, professional guidance, and technical direction; exercises independent professional judgment as an expert on complex highway or state land boundary determinations.

Related Classes

Landscape Architects perform professional activities, requiring specialized training and experience, to plan and design landscape development and site improvement projects, select materials, estimate costs, prepare environmental analysis and reports, and supervise the construction and maintenance of the landscape for transportation facilities, buildings, parks, historic sites, and other facilities. Aesthetics, the architectural and natural environment, environmental impact, and the multiple functions and uses of facilities are significant factors in their work.

## Illustrative Tasks

### *Assistant Land Surveyor*

Exercises professional judgment on complex highway or state land boundary determinations.

Assists in the establishment of standards and procedures utilized in surveying and in the pursuit of technological advances.

Ensures quality control of survey related products and data integrity.

Conducts surveys including geodetic control surveys for the design and construction of state facilities and boundary surveys for the acquisition and disposition of real property.

Provides direct supervision and technical direction of field and/or office staff and provides guidance and direction to survey consultants.

Manages project priorities, staff, work schedules, and consultant services to deliver the land surveying program.

May assist Professional Land Surveyors 1 in their role to support the Attorney General's Office in case preparation, including preparation of legal descriptions in reference to a deed(s) and the defense of land title and state land boundaries.

### *Professional Land Surveyor 1*

Exercises independent professional judgment as an expert on complex highway or state land boundary determinations.

Establishes standards and procedures utilized in surveying and pursues technological and procedural advances that would increase the efficiency of operations.

Sets policy for the collection and use of photogrammetry and survey data, the balancing and processing of field survey data, and interpretation of New York State Laws.

Manages the project schedule priorities and staff or consultant resources that are necessary to produce the land surveying program and ensure quality assurance of survey related products.

Provides scoping, review, and approval of consultant surveys.

Provides administrative supervision, professional guidance, and technical direction to staff.

Signs and stamps, with their professional seal, department survey maps per State

Education law, as prepared under their direction.

Assists the Attorney General's Office in case preparation and testifies as an expert witness in the defense of land title and state land boundaries.

### Minimum Qualifications

#### *Assistant Land Surveyor*

Open Competitive: Proof of passing the National Council of Examiners for Engineering and Surveying (NCEES) Fundamentals of Surveying Examination (FS) or successful completion of 52 weeks of service as a Land Surveyor Trainee and successful completion of the FS examination.

#### *Professional Land Surveyor 1*

Promotion: Possession of a New York State Land Surveyor's license and current registration and one year of service as an Assistant Land Surveyor.

Open Competitive: Possession of a New York State Land Surveyor's License with current registration and one year of post-licensure experience in land surveying.

**Note:** Classification Standards illustrate the nature, extent, and scope of duties and responsibilities of the classes they describe. Standards cannot and do not include all the work that might be appropriately performed by a class. The minimum qualifications above are those required for appointment at the time the Classification Standard was written. Please contact the Division of Staffing Services for current information on minimum requirements for appointment or examination.

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