

# **GEOGRAPHIC INFORMATION SYSTEMS TECHNICIAN II**

**Department: Planning and Development**

**Classification: Competitive**

**Specification Number: 3340**

**Approved: 11/8/24**

**Revised: By JG**

## **MINIMUM QUALIFICATIONS**

### ***OPEN COMPETITIVE***

Graduation from a college with federally-authorized accreditation or registration by NY State with a Bachelor's degree in geography, planning, cartography, the natural or environmental sciences, or a related field.

**NOTES:** Experience in computer-aided drafting, design, map drafting, or with a Geographic Information System may be substituted for education on a year-for-year basis. Candidates must have graduated from a standard high school.

### ***PROMOTIONAL***

Two (2) years of permanent competitive status as a Geographic Information Systems Technician I.

## **DISTINGUISHING FEATURES OF THE CLASS**

An employee in this title is responsible for utilizing various Geographic Information Systems (GIS) or other graphics software packages to prepare complex map layouts, architectural renderings and site plans. These duties differ from those of a Geographic Information Systems Technician I in that the incumbent receives more responsible and difficult drafting assignments and may supervise and train a Geographic Information Systems Technician I. The incumbent performs under the supervision of a Geographic Information Technician III who reviews work upon completion for adherence to procedures and accuracy. Does related work as required.

## **TYPICAL WORK ACTIVITIES**

Prepares site plans, architectural renderings and complex map layouts using various Geographic Information Systems or other graphics software packages;

Performs basic spatial analyses utilizing GIS and land information databases;

Creates, updates and maintains spatial databases using GIS and GPS software and hardware;

Performs comparisons of maps with official records and analyzes results;

Assists in the coordination of cartographic work with printing house requirements.

## **KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS**

Thorough knowledge of the principles and techniques of map drafting; good knowledge of data file management; ability to read and interpret maps, charts, plans and survey notes; ability to provide training and technical guidance to entry level Geographic Systems Technician; ability to supervise personnel in a manner conducive to full performance and high morale; ability to express oneself clearly and concisely, both orally and in writing; physical condition commensurate with the physical demands of the position.