

**CLASS SPECIFICATION**  
**County of Fairfax, Virginia**

**CLASS CODE:** 5114    **TITLE:** SURVEY INSTRUMENT TECHNICIAN    **GRADE:** S-15

**DEFINITION:**

Under supervision, performs technical and skilled survey work as the instrument operator on a field survey team; and does related work as required.

**DISTINGUISHING CHARACTERISTICS OF THE CLASS:**

The Survey Instrument Technician is distinguished from the Survey Party Chief in that the Survey Party Chief leads and supervises survey crews, and performs the more complex work on the field survey team; whereas the Survey Instrument Technician performs technical and skilled survey work as the instrument operator on a field survey team.

**ILLUSTRATIVE DUTIES:**

Operates various surveying instruments including GPS & RTK equipment, and electronic data stations to collect data for pre-engineering design surveys, establish and re-establish lines for construction stakeout surveys and easement and property lines;  
Recovers property corners and sets traverse control points for boundary surveys;  
Sets and marks stakes for construction stakeout projects;  
Directs the survey party during the absence of the party chief and when acting for the Survey Crew Chief;  
Maintain survey equipment and survey vehicle and ensure vehicle is well stocked with supplies.

**REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:**

Knowledge of the principles and practices of survey field work;  
Working knowledge of mathematics, engineering formulas and techniques including trigonometric functions and the ability to compute curves;  
Working knowledge of applicable County, State and Federal laws, codes, and regulations;  
Working knowledge of Microsoft Office Suite;  
Working knowledge of AutoCAD and the GIS system;  
Ability to properly use and correctly adjust survey equipment;  
Ability to conduct research and evaluate data;  
Ability to understand and interpret legal descriptions, engineering plans, maps, and field data;  
Ability to apply basic surveying principles to the solution of problems.

**EMPLOYMENT STANDARDS:**

Any combination of education and experience equivalent to:  
High school graduation or a G.E.D. issued by a state department of education; PLUS  
Two years of survey field work.

**CERTIFICATES AND LICENSES REQUIRED:**

Possession of a valid motor vehicle operator's license.

REVISED:                    October 8, 2008  
ESTABLISHED:              November 16, 1992