



Drafting Technician II

Salary Group: A19

Class Code: 2182

| <u>CLASS TITLE</u> | <u>CLASS CODE</u> | <u>SALARY GROUP</u> | <u>SALARY RANGE</u> |
|-------------------------------|-------------------|---------------------|----------------------------|
| DRAFTING TECHNICIAN I | 2181 | A17 | \$36,976 - \$58,399 |
| DRAFTING TECHNICIAN II | 2182 | A19 | \$42,244 - \$68,960 |

GENERAL DESCRIPTION

Performs advanced (senior-level) drafting work. Work involves planning, organizing, and reviewing work projects; reviewing engineering and drafting data; designing structures and recommending design changes; and tracing, inking, and detailing plans, structures, or maps. May provide guidance to others. Works under limited supervision, with considerable latitude for the use of initiative and independent judgment.

EXAMPLES OF WORK PERFORMED

Plans, organizes, and reviews work projects.

Designs structures and recommends design changes.

Reviews preliminary and final plans, specifications, estimates, detailed drawings from field notes, instructions, original plans, proposed changes, diagrams, and other data.

Reviews preliminary and final quantity estimates and hydraulic calculations for drainage structures.

Reviews contour maps, isometric projections, miscellaneous sketches, and right-of-way maps.

Draws plans and maps by hand or with computer-aided graphics and makes revisions as needed.

Assembles construction information and details for plans, calculates vertical and horizontal curves, and plots preliminary and final cross sections.

Verifies calculations, shop drawings, and submittals by contractors for pay estimates or conformance to plans and specifications.

Prepares reports requiring maps, charts, and sketches.

May provide guidance to others.

Performs related work as assigned.

GENERAL QUALIFICATION GUIDELINES

EXPERIENCE AND EDUCATION

Experience in drafting work. Graduation from a standard senior high school or equivalent supplemented by courses in drafting, architectural or mechanical drawing, and mathematics is generally preferred. Experience and education may be substituted for one another.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge of drafting principles, techniques, and procedures; of algebra, geometry, and trigonometry; of engineering and surveying principles; and of building construction methods and components.

Skill in the use of drafting and lettering instruments and computer graphics equipment.

Ability to draft plans and drawings; to interpret field notes, sketches, plans, or specifications; to make mathematical calculations; to check drawings, computations, plans, estimates, design details, or specifications for accuracy; to analyze and solve drafting and design problems; to oversee the timely completion of projects; to communicate effectively; and to provide guidance to others.