

# **SNOHOMISH COUNTY JOB DESCRIPTION**

## **ENGINEERING TECHNICIAN 111-TECHNICAL RESOURCES**

Spec No. 3054

### **BASIC FUNCTION**

Performs skilled surveying, construction inspection, drafting and graphic design or related technical engineering assignments.

### **STATEMENT OF ESSENTIAL JOB DUTIES**

1. Utilizes a CADD station for skilled drafting and technical design tasks for design reports, right-of-way plans and construction plans for Public Works Projects.
2. Performs skilled engineering calculations.
3. Provides technical civil engineering information and recommendations regarding Public Works Projects.
4. Develops exhibits for reports and displays for meetings.
5. Performs skilled computer hardware/software services and supporting tasks to support Design/Construction employees; troubleshoots tutors and coordinates with Snohomish County Department of Information Services.

### **STATEMENT OF OTHER JOB DUTIES**

6. Miscellaneous technical tasks.
7. Performs related duties as required.

### **MINIMUM QUALIFICATIONS**

One (1) year of vocational or college courses in civil engineering/engineering technology; and two (2) years of related office experience in civil engineering/engineering technology including one (1) year of C.A.D.D. drafting experience. Work experience may be substituted for education on the basis of one (1) year of experience equals two (2) years of education. Must pass job related tests.

### **SPECIAL REQUIREMENTS**

A valid Washington State Driver's License is required for employment.

### **KNOWLEDGE AND ABILITIES**

Knowledge of:

- the C.A.D.D. drafting
- principles and practices of engineering and surveying

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### KNOWLEDGE AND ABILITIES (Continued)

- engineering principles, practices, techniques and instruments related to area of assignment
- mathematics, algebra, geometry, and trigonometry
- personal computer hardware/software technology and management

### Ability to:

- contribute creative and innovative ideas to solve problems and meet goals
- provide consistent and accurate technical support to a variety of individuals and groups
- prepare clear and concise written reports
- adapt to changing priorities and technology
- good organizational skills
- read and interpret engineering plans and specifications
- perform "skilled level" civil drafting
- look at issues, gather facts, weigh alternatives and make effective decisions
- perform quality work
- communicate effectively with engineers, contractors, developers, staff members and the general public
- work independently or as a team member
- comply with standards and guidelines
- prepare clear and concise graphic displays and exhibits for meetings and reports

### SUPERVISION

Work is assigned, scheduled, and supervised by a technical or professional supervisor who reviews results to insure adherence to instructions and conformance with established departmental and engineering standards.

### WORKING CONDITIONS

Work is performed in the usual office environment.

Snohomish County is an Equal Employment Opportunity (EEO) employer.  
Accommodations for individuals with disabilities are provided upon request.

[EEO policy and ADA notice](#)

Class Established: January 1993  
Previous Spec No. 420427  
Revised: May 1993  
EEO Category: 3 - Technicians  
Pay Grade: 237 - Classified Pay Plan  
Workers Comp: 1501 Hazardous