



Title: **FIELD ENGINEER**

Salary: 24
Effective Date: 03/14/16
FLSA Designation: Exempt

GENERAL DESCRIPTION

Under general direction of the Senior Field Engineer performs engineering design and technical work related to the design, construction, reconstruction, maintenance, and operation of the District's distribution and pumping facilities which may include supervising or inspecting the work of consultants and contractors engaged in work related to the distribution system.

EXAMPLES OF WORK PERFORMED

The information listed below is meant to serve as examples of the job duties and responsibilities for positions in this classification. This list is neither inclusive nor exclusive, but indicative of several types of duties performed.

1. Prepares engineering designs, specifications, estimates, reports, and documents for projects related to maintenance, reconstruction and construction of District facilities.
2. Inspects the construction of engineered facilities and materials for conformity with plans and specifications.
3. Serves as Project Engineer on contract construction projects.
4. Assists with tasks related to the District's Safety Program.
5. Performs topographic surveys of District Facilities and prepares maps with collected data. Assists in the locating of District facilities using advanced survey techniques.
6. Interacts with Federal, State, and local regulatory agencies as required.
7. Performs studies and prepares reports and specifications on soil mechanics for foundation design and embankment stability.
8. Develops reports utilizing computer-based information management and control systems.
9. Plans and may direct the work of others engaged in the maintenance or construction of District facilities.
10. Uses AutoCAD and GIS to generate drawings as required or needed by the District.
11. Performs other duties as assigned.

FIELD ENGINEER

Page 2

CLASSIFICATION REQUIREMENTS

Education and Experience: Any combination of equivalent education and experience that has led to the acquisition of the knowledge required by the position. A typical way of acquiring the knowledge would be:

A bachelor's degree in Civil, Mechanical, or Agricultural Engineering, **and** two (2) years of civil, mechanical, or agricultural engineering experience, including the planning, design, construction, and operation of a pipeline distribution system and related hydraulic structures and equipment.

Knowledge of:

- Principles of hydraulic design, hydrology, materials engineering, soil mechanics, surveying, and structural engineering.
- Topographic surveys with GPS and Robotic Total Stations.
- The applicable safety and accident procedures of the California Occupational Safety and Health Act.
- The applicable California General Industrial Safety Orders.

LICENSE, CERTIFICATE, OR CREDENTIAL

- Possession of a valid certificate of registration as an Engineer in Training (EIT) issued by the California State Board of Registration for Professional Engineers is required or must be obtained within twelve (12) months of assignment.

STANDARD REQUIREMENTS

- Possession of a valid Class C California Driver's License with a driving record acceptable to the District's automobile insurance provider is required.