

July 1989

## SENIOR SPRINKLER MAINTENANCE WORKER

### DEFINITION

Under direction, to have charge of a group of workers responsible for the installation, maintenance and repair of sprinkler and irrigation systems; to assign, instruct, evaluate and oversee the work; to perform the more difficult and skilled irrigation system work; to operate heavy power-driven equipment used for such work; to assist in the design, layout and drafting of plans for new and modified grounds and landscape facilities; and to perform other job related work as required.

### DISTINGUISHING CHARACTERISTICS

The position allocated to this class is distinguished by the assigned responsibility for assisting in the direction, supervision and work of District grounds and maintenance workers engaged in District-wide irrigation and sprinkler system maintenance activities. Lead responsibility over other District personnel is assigned on a continuous basis to this class and the incumbent is expected to perform or demonstrate the more difficult or complex tasks and independently carry out work assignments to completion. The incumbent also assists in work planning, purchasing, recordkeeping, report preparation and employee selection activities.

### EXAMPLES OF DUTIES

Receives assignments, plans and lays out work; schedules and assigns specific duties to District workers; leads and participates in the work of crews engaged in irrigation and sprinkler repair and maintenance work; performs the more difficult, complex and responsible exterior water, sprinkler, irrigation system installation, maintenance and repair work; makes estimates of costs for new and replacement projects; on a project basis, serves as lead worker on a water service crew; installs, maintains and repairs exterior water service, sprinkler and irrigation systems, timers, backflow devices, and valves; lays pipe and drills and taps water mains; maintains records on the location and type of water lines and related equipment for contractors and District crews; coordinates scheduling of system operation to reduce conflict with District operations; investigates leaks and reports major malfunctions; advises District management of leaks and suggests methods to resolve the problem; digs and backfills trenches; makes skilled fittings and connections; cleans equipment and flushes the water system; operates equipment such as tractors, ditchdiggers, trucks, rollers, back hoe, loaders, air compressors, jack hammers and a variety of power hand tools; performs a variety of equipment maintenance, servicing and repair work; may perform a variety of water service related welding, carpentry, pipefitting, valve repair and concrete work; oversees the cutting and replacement of concrete and asphalt; reads and interprets drawings, diagrams and blueprints.

### SPECIAL REQUIREMENTS

Possession of the category of valid California driver's license required to meet performance requirements of the position as determined by the State Department of Motor Vehicles rules.

Possession of the Public Health License "Backflow Prevention Device Testing Certificate" issued by the County of Los Angeles is highly desirable.

### DESIRABLE QUALIFICATIONS

#### Knowledge of:

- Water distribution facilities, including mains, meters, pumps, hydrants and valves;
- Methods, materials, equipment and tools used in the installation, maintenance and repair of exterior water lines, irrigation and sprinkler systems;
- Hydraulic principles relative to pipe sizing, pressure relationships and friction losses;
- Materials and practices to lay, fit and cover water lines;
- Basic principles of electricity, relay adjustments, transformer operations, alternating and direct currents;
- Equipment operation, maintenance and repair principles and practices;
- Safety precautions and procedures used in water service work;
- Basic principles of employee training and supervision;
- Basic recordkeeping practices.

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Ability to:

- Plan, organize and oversee the work of a work crew;
- Perform a variety of skilled irrigation and sprinkler maintenance work;
- Repair, install and maintain water mains, services, hydrants, meters and valves;
- Operate heavy power-driven equipment used in water service work;
- Read, interpret and work from plans, drawings, blueprints and specifications;
- Estimate costs and required materials;
- Perform a variety of equipment maintenance, repair and servicing duties;
- Read and write at the level required for successful job performance.

Training and Experience:

Any combination of training and experience which would provide the required knowledges and abilities is qualifying. A typical way to obtain these knowledges and abilities would be:

Three years of experience in the installation, repair and maintenance of water services, sprinkler and irrigation systems, preferably including some experience in a lead or supervisory capacity.