

July 1989

SPRINKLER MAINTENANCE WORKER

DEFINITION

Under the general supervision, to install, maintain and repair sprinkler and irrigation systems; to operate power-driven equipment used in water service work; to perform a variety of related maintenance trades work; and to perform other job related work as required.

EXAMPLES OF DUTIES

Installs, maintains and repairs sprinkler and irrigation systems, timers, backflow devices and valves; repairs valves and ensures that they are working properly; lays pipe and drills and taps water mains; makes turn on and turn offs to water services; locates and marks sewer and water lines for contractors and District crews; investigates leaks and reports major malfunctions; reports leaks and suggests methods to resolve the problem; digs and backfills trenches; makes fittings and connections; may operate equipment such as tractors, ditchdiggers, trucks, rollers, back hoe, loaders, air compressors, jack hammers and a variety of power and hand tools; may perform a variety of related light brazing and welding, carpentry, pipefitting, valve repair and cement work; installs, repairs, maintains, paints and overhauls operating parts to ensure the proper flow of water through systems; cuts and replaces concrete and asphalt; locates, taps and installs lines and services; locates and repairs leaks and breaks; reads and interprets basic drawings, diagrams and blueprints; as assigned, may perform work in a variety of grounds, landscaping and maintenance operations as needed.

SPECIAL REQUIREMENT

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.

DESIRABLE QUALIFICATIONS

Knowledge of:

- General water distribution facilities, including mains, meters, hydrants and valves;
- Methods, materials, equipment and tools used in the installation, maintenance and repair of exterior water lines, irrigation and sprinkling systems;
- Basic pipe laying, fitting and concrete work;
- Basic knowledge of hydraulics relative to pipe sizing, pressure relationships and friction loss;
- Basic principles of electricity, relay, adjustments, transformer operations and alternating and direct currents;
- Safety precautions and procedures used in water service work.

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Ability to:

- Repair, install and maintain sprinkler and irrigation system equipment;
- Operate power-driven equipment used in water service work;
- Repair, install and remove water service parts and equipment;
- Read drawings and layouts of water systems;
- Interpret plans, drawings and specifications;
- 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:

One year of experience in the installation, repair and maintenance of sprinkler and irrigations systems.

Education:

Coursework in irrigation and sprinkler system installation and repair are desirable.