

## IRRIGATION SPECIALIST

### **DEFINITION**

Under general supervision, performs specialized work in the installation, repair and maintenance of municipal landscape irrigation systems to include manual, smart and automated systems; and leads crews.

### **SUPERVISION EXERCISED/RECEIVED**

Receives supervision from a Manager or designee. This class provides lead direction; this class does not exercise supervision.

### **DISTINGUISHING CHARACTERISTICS**

Irrigation Specialist is an advanced working/lead class in which incumbents provide lead direction to other employees and participate in the installation, modification, maintenance, and repair of irrigation systems. This class is distinguished from Parks Maintenance Leadworker in that incumbents of the latter perform skilled general park and recreation maintenance work. It is distinguished from Parks Supervisor I in that incumbents of the latter are assigned full-time supervisory responsibilities.

### **EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES**

*(May include, but are not limited to:)*

Leads crews and participates in the Installation, operation, inspection, repairs and maintenance all components of manual, smart and automated irrigations systems, including automatic controllers, valves, water mains, lateral lines, sprinklers, backflows, pumping and filtration systems.

Inspects and repairs pumping and filtration systems; makes modifications or additions to existing irrigation systems as required.

Converts manual and hydraulic systems to electronic or automated controlled systems; repairs and maintains timers and other electronic irrigation systems.

Digs trenches; traces, locates, and excavates broken or damaged irrigation lines and water mains.

Surveys turf and landscape areas to determine irrigation requirements and makes necessary system adjustments.

Provides specific site data to the engineer for the design of landscape sprinkler systems.

Perform semi-skilled tasks in plumbing, carpentry, electrical and general maintenance work on parks facilities.

Maintains awareness of potential hazards in the work environment, including biohazards, needles, hazardous objects, and roadway dangers, and takes appropriate precautions to ensure safety.

Performs related duties as required.

### **JOB RELATED AND ESSENTIAL QUALIFICATIONS**

#### **Knowledge of:**

Principles, techniques and procedures for the installation, modification, maintenance, and repair of manual, smart and automated irrigation systems and their components.

Diagnosing techniques to determine problems with irrigation systems including developing and implementing repair plans.

Large-scale, institutional landscape irrigation preventative maintenance programs.

Basic arithmetic related to mechanical, electrical, and electronic components.

Water conservation methods for types of soil, grass, ground covers, trees, and shrubs within the irrigation system.

The use and care of mechanical equipment and of the tools, practices, and precautionary requirements involved in the building trades.

#### **Skill/Ability to:**

Safely operate hand and power tools and irrigation equipment.

Communicate effectively orally and in writing.

Independently perform moderately difficult building repair and maintenance assignments.

Direct the work of employees.

Respond to work order requests and needs for assistance through various communication methods.

Organize work, set priorities, and meet critical deadlines.

Keep records and prepare reports.

Read and write at the level necessary to perform the job.

Establish and maintain effective working relationships with employees and the public.

Safely operate a motor vehicle.

### **MINIMUM QUALIFICATIONS**

#### **Education:**

Possession of a High School Diploma or equivalent GED completion.

#### **Experience:**

Two (2) years of paid experience in the installation, modification, maintenance, repair and operation of manual, smart and automated irrigation systems within a municipality or commercial industrial setting.

#### **Special Requirement(s):**

Possession of a valid "Class C" California Driver's License is required at the time of application and continued maintenance throughout the entire term of employment in this classification.

### **PHYSICAL DEMANDS**

The physical demands described here are representative of those that are necessary to safely, effectively, and efficiently perform the essential functions of this job with or without reasonable accommodation.

This classification's physical demands involve heavy work exerting up to 100 pounds of force occasionally with assistance, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to move objects. Additionally, the following physical demands may be required: balancing, climbing, crawling, crouching, feeling, manual dexterity, grasping, handling, hearing, kneeling, lifting, mental acuity, pulling, pushing, reaching, repetitive motion, speaking, standing, stooping, talking, visual acuity, walking.

APPROVED: Signature on File  
Director of Personnel Services

DATE: 10/20/2025

MR/LC/jl/01/16/91  
+623/SPECS  
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