

**IRRIGATION MAINTENANCE TECHNICIAN**  
Salary Range: 20 (Public Service Salary Schedule)

**DEFINITION**

Under general supervision, performs a wide variety of activities in the installation, inspection, maintenance and repair of irrigation systems and related equipment within City facilities; provides technical support to the Public Services Department; performs related work as required.

**DISTINGUISHING CHARACTERISTICS**

This is an advanced journey-level maintenance classification with specialization in irrigation systems. Incumbents perform difficult and responsible technical duties, such as monitoring, scheduling, maintaining, installing, and repairing irrigation systems in all City parks, facilities, and sports fields, as well as City median and right-of-way landscaping. This classification is distinguished from the Landscape Maintenance Worker series in that the former has specialized responsibilities in irrigation systems.

**SUPERVISION RECEIVED AND EXERCISED**

Incumbents receive general supervision from the Landscape Services Supervisor, and technical and functional direction from a Landscape Services Trades Worker, may provide training and/or technical and functional direction over assigned staff.

**ESSENTIAL DUTIES, KNOWLEDGE, AND ABILITIES**

Duties may include, but are not limited to the following:

- Performs daily inspection and preventive maintenance of the City's irrigation systems; identifies any safety or repair issues.
- Installs, maintains and repairs irrigation systems; changes and adjusts sprinkler heads and maintains controllers; performs repairs on field irrigation computers, controllers, pumps, wiring, valves, pipes, and sprinklers.
- Monitors soil moisture and effectiveness of irrigation systems.
- Installs backflow devices; inspects and tests as necessary to ensure proper operation; certifies devices in compliance with regulatory requirements.
- Monitors and controls computerized irrigation systems.
- Works effectively with contractors on City-approved irrigation projects; seeks bids and/or estimates for proposed projects.
- Identifies, schedules, and supervises system repairs and installation of new irrigation systems; reviews plans and inspects installation of new irrigation systems; performs annual testing of systems.
- Performs Underground Service Alert (USA) markings as specified and according to accepted guidelines and requirements.
- Designs small irrigation systems.
- Plans and recommends materials needed for work projects; orders approved supplies and materials.

- Prepares and maintains logs of work performed.
- Coordinates, assigns and reviews the work of assigned maintenance personnel.
- Assists other personnel in all aspects of parks and landscape maintenance.
- Monitors and maintains water park.
- Performs other duties as assigned.

## **EMPLOYMENT STANDARDS**

### **Knowledge of:**

- Practices, methods, equipment, tools and materials used in maintaining, repairing, constructing and installing water irrigation systems for parks and landscapes
- Principles of water conservation and usage relating to irrigation systems
- Basic horticulture techniques
- Basic maintenance and repair of hand tools and equipment used in irrigation maintenance work
- Applicable Federal, State and local laws, ordinances, regulations, and guidelines relevant to assigned duties
- Shop arithmetic
- Safe work methods and safety practices pertaining to the work, including the handling of hazardous chemicals
- Safe driving rules and practices
- Basic record keeping principles and procedures
- Basic computer applications related to the work
- English usage, grammar, spelling, vocabulary, and punctuation
- Techniques for providing a high level of customer service to the public and City staff, in person and over the telephone

### **Ability to:**

- Perform a variety of specialized technical tasks in the installation, maintenance, and repair of water irrigation systems
- Inspect irrigation systems and correct or repair as necessary
- Utilize a computerized system for monitoring and controlling irrigation systems
- Maintain efficient and effective irrigation systems using principles of water conservation
- Read and understand construction drawings as they relate to irrigation systems
- Estimate needed materials and labor and secure sufficient quantities; prepare and develop cost estimates
- Coordinate work assignments with other divisions and departments
- Skillfully and safely operate a variety of power and hand tools and equipment
- Practice safe work habits; train others in proper and safe work procedures
- Follow division policies and procedures related to assigned duties
- Maintain records and prepare work and time reports for areas of responsibility
- Understand and carry out oral and written instructions
- Organize own work, set priorities and meet critical time deadlines

- Use English effectively to communicate in person, over the telephone and in writing
- Use tact, initiative, prudence, and independent judgment within general policy and legal guidelines in politically sensitive situations
- Establish and maintain effective working relationships with those contacted in the course of work
- Meet the physical requirements necessary to safely and effectively perform the assigned duties.

### **Minimum Qualifications**

*Any combination of training and experience which would provide the required knowledge, skills and abilities is qualifying. A typical way to obtain the required qualifications would be:*

Equivalent to the completion of the twelfth (12<sup>th</sup>) grade and two (2) years of responsible landscape/irrigation, public works or parks maintenance experience, including experience in design and/or maintenance of irrigation systems.

### **GENERAL QUALIFICATIONS**

#### **License Requirements:**

- A valid California Class C driver license or higher with a satisfactory driving record is required at the time of appointment. Individuals who do not meet this requirement due to a disability will be reviewed on a case-to-case basis.
- A Work Zone Traffic Control Safety Certificate issued by the International Municipal Signal Association (I.M.S.A.), or successful completion of the Traffic Control Technician-CA State Specific Training Course thru the American Traffic Safety Services Association is required within twelve (12) months of appointment.
- A certified Landscape Irrigation Auditor certificate is desirable.
- Possession of a Backflow Prevention Assembly Testers Certificate from either the American Water Works Association (AWWA), or the American Backflow Prevention Association (ABPA), or the Northern California Backflow Prevention Association (NCBPA), or equivalent is required within twelve (12) months of appointment.

#### **Physical Requirements**

Must possess mobility to work in the field, parks, recreational fields and related landscapes; strength, stamina and mobility to perform medium physical work, operate varied hand and power tools and equipment; vision to read printed materials and a computer screen; color vision to identify various irrigation equipment and appurtenances; hearing and speech to communicate in person and over the telephone or radio; ability to walk frequently at construction site areas to identify problems or hazards; finger dexterity to access, enter and retrieve data using a computer keyboard or calculator and to operate above-mentioned tools and equipment; ability to bend, stoop, kneel, reach, and climb to perform work and inspect work sites; lift, move, and carry materials and equipment weighing up to 50 pounds, and heavier weights with the use of proper equipment.

**Working Conditions**

Incumbents work primarily in the field and are occasionally exposed to loud noise levels, cold and hot temperatures, inclement weather conditions, road hazards, vibration, confined workspaces, chemicals, mechanical and/or electrical hazards, and hazardous physical substances and fumes. Incumbents may interact with upset staff and/or public and private representatives, and contractors in interpreting and enforcing departmental policies and procedures, and may be required to work various shifts on evenings, weekends and holidays, and participate in after-hours on-call assignments.

**FLSA: NE**

This job specification should not be construed to imply that these requirements are the exclusive standards of the position. Not all duties are necessarily performed by each incumbent. Additionally, incumbents may be required to follow any other instructions and to perform any other related duties as may be required by their supervisor.

*Adopted: July 2007*

*Revised: September 2017*