



# RIALTO UNIFIED SCHOOL DISTRICT CLASSIFIED

## IRRIGATION TECHNICIAN

### DEFINITION:

Under the direction of an assigned Administrator or Supervisor, perform skilled functions pertaining to installation, maintenance, and repair of sprinkler and irrigation systems; perform other job-related duties as assigned and/or as required.

### ESSENTIAL DUTIES:

- Plan, lay-out, assemble, install, maintain, and repair manual and technology-based sprinkler and irrigation systems; clean, adjust, and repair sprinkler heads.
- Measure, cut, thread, and install pipes, tubing, and a variety of sprinkler and irrigation system fixtures and controls.
- Install and maintain, valves and system control devices; perform circuit tracing as needed; renovate existing irrigation systems.
- Determine watering schedules; set and adjust control devices to accommodate a planned sprinkler and irrigation schedule according to seasons, soil conditions, water distribution rates; check lawns to ensure proper amounts of water.
- Perform water pressure tests, test for water leaks and high and low water pressure; monitor control devices to ensure proper function.
- Maintain, troubleshoot, repair, renovate, and remodel new and existing irrigation systems, including valves, sprinklers, controllers, pumps, cross connections, and related components and equipment; replace system parts and equipment as necessary.
- Work from blueprints, diagrams, and schematic drawings to determine work procedures and work layout.
- Estimate labor, material, parts, and equipment needed for assigned irrigation projects; monitor inventory levels of parts, supplies, and equipment; requisition, receive, and store parts, supplies, and equipment as directed.
- Excavate and determine appropriate depth of holes and trenches; repair broken main lines; connect new systems to existing water supplies including drip systems.
- Drive a service vehicle to various sites to conduct work.
- Operate a variety of power equipment, including trenching machines, excavation devices; pipe, threaders, tractors, and other related equipment; operate testers, gauges, and small hand and power tools.
- Train, coordinate and provide work direction to ground maintenance personnel in the installation, repair, and maintenance of sprinkler and irrigation systems.
- Perform other job-related duties as assigned and/or as required.

### KNOWLEDGE AND ABILITIES:

#### KNOWLEDGE OF:

- Procedures, methods, techniques, materials, supplies, tools, and equipment in the installation, repair, and maintenance of sprinkler and irrigation systems.
- Codes pertaining to sprinkler and irrigation systems.

- Principles, practices, and maintenance of electronic controllers used in irrigation systems.
- Health and safety regulations.
- Training principles and techniques.
- Oral and written communication skills.
- Interpersonal skills using tact, patience, and courtesy.
- Basic recordkeeping techniques.
- Arithmetic computations.

**ABILITY TO:**

- Perform skilled work in the installation, repair, and maintenance of designated irrigation systems and related parts, components, and equipment.
- Use a variety of hand tools and power tools and equipment in performing skilled sprinkler repair activities efficiently and effectively.
- Interpret and work from blueprints, plans, schematic drawings, and sketches.
- Estimate time and material costs accurately.
- Inspect existing irrigation systems to ensure proper operation.
- Maintain simple and concise records.
- Prepare accurate and comprehensive reports.
- Understand and carry out oral and written directions.
- Establish and maintain cooperative working relationships.
- Train, coordinate, organize and direct the work of other grounds maintenance personnel.
- Make arithmetic calculations.
- Plan and lay out irrigation systems and related work.
- Observe health and safety regulations.
- Work independently with little direction.
- Update blueprints as changes are made.

**EDUCATION AND EXPERIENCE:**

**EDUCATION:**

Verification of a High School diploma, a GED certificate, or a higher degree.

**EXPERIENCE:**

Four years of experience within the last ten years in the installation, repair, and maintenance of sprinkler and irrigation systems. Recent job-related experience within the last five years is required.

**LICENSES, CERTIFICATIONS, AND OTHER REQUIREMENTS:**

- Verification of a valid California Motor Vehicle Operator's license.
- Insurability by the District liability insurance carrier may be required.

A current Department of Motor Vehicle printout will be necessary prior to an interview.

**PREFERRED QUALIFICATIONS:**

N/A

## **WORKING CONDITIONS:**

### ENVIRONMENT:

Outdoor work environment. Seasonal heat and cold or adverse weather conditions. Driving a vehicle to conduct work.

### PHYSICAL ELEMENTS:

The physical requirements indicated below are examples of the physical aspects that the position classification must perform in carrying out essential job functions.

- Will frequently exert 50 to 75 pounds of force to lift, carry, push, pull or otherwise move objects.
- Will stand, sit, walk, kneel, crouch, bend at the waist, reach above shoulder level and occasionally ascend and descend ladders, stairs, and ramps.
- Must possess the ability to hear and perceive the nature of sound.
- Must possess visual acuity and depth perception.
- Must be able to provide oral information, both in person and over the telephone, and other electronic communication devices.
- Must possess the manual dexterity to operate equipment and use hand tools, and handle and work with various materials and objects are important aspects of this job.

Reasonable accommodation may be made to enable a person with a disability to perform the essential functions of the position.

### POTENTIAL HAZARDS:

Working around and with machinery having moving parts; exposure to chemicals, fumes, dust, and odors. Low/high voltage. Exposure to Insects. Exposure to hot, cold, wet, humid, or windy conditions, caused by weather. Exposure to excessive noise

**Revision Date: 2/1/2024**