

**CLASS SPECIFICATION
Irrigation Technician
Range 44**

GENERAL PURPOSE

Under general supervision of the Director for Facilities Planning and Operation and/or Designee, performs a variety of skilled, tasks involved in the design, installation, maintenance and repair of manual, automatic and computerized domestic and reclaimed irrigation systems; and performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

Irrigation Technician is a trade classification, in the maintenance and construction trades series. Incumbents perform their duties independently, working from general instructions, work orders, and their knowledge of irrigation requirements of large landscaped and turf areas. Assignments vary, encompass a variety of tasks, and require sound judgment and initiative.

Irrigation Technician is distinguished from a Lead Irrigation/Plumber in that the Lead Irrigation/Plumber is an advanced trade classification, working lead class, providing technical assistance, training, and lead worker duties for a staff in the trade classification Irrigation/Plumbing.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to this class. There will typically be an assigned schedule for these duties.

1. Perform maintenance and servicing on domestic and reclaimed irrigation systems.
2. Performs, in conjunction with the Plumber, required monthly inspections and an annual cross-connection inspection with the city water department or designated person on reclaimed irrigation systems.
3. Plans, designs, installs, modifies, maintains, troubleshoots, upgrades, and repairs manual and automatic irrigation systems, including pipes, valves, automatic control devices, and sprinkler heads; locates mainlines, sprinkler lines, valves, electrical wires;
4. When directed, locates irrigation shutoffs for contractors and installs and repairs broken lines and pipes damaged by contractors.
5. Inputs, cleans, and adjusts sprinkler controls for correct time and duration of operation; ensures irrigation system operation supports District conservation objectives; services, repairs or replaces clock motors and micro-switches in automatic timing devices.

6. Maintains and replaces valves; unplugs and reroutes water and control lines; clears and adjusts sprinkler head heights for proper area coverage.
7. Plans, designs, and lays out new irrigation system installations, working from general instructions, rough sketches, or work orders; redesigns or modifies existing or new systems for new portable buildings; performs preventive maintenance on irrigation systems.
8. Orders and maintains an inventory of parts, supplies, and materials.
9. Operates a variety of power and hand tools and equipment; operates testing and measuring gauges and devices.

OTHER DUTIES

1. Assists other skilled maintenance personnel in cooperative assignments.
2. Operates vehicles to travel to various District sites.
3. Complete work orders using the current implemented work order system.

Knowledge of:

1. Methods and materials used in the maintenance and repair of automatic sprinkler systems including various timing devices, controllers, valves, and heads.
2. Design and layout of general irrigation systems for large landscaped and turf areas.
3. Proper methods of pipefitting as related to sprinkler installation.
4. Equipment and tools required in sprinkler repair and installation.
5. Proper water conservation techniques applicable to the operation of large turf irrigation systems.
6. Sizes and specifications of pipes and fittings for proper volume and pressure.
7. Relevant health and safety regulations.
8. Basic record-keeping techniques.

Ability to:

1. Plan, design, layout, install, and repair automatic irrigation systems.
2. Operate tools and equipment used in the repair and maintenance of automatic sprinkler systems including pipe threaders, cutters, and trenching equipment.
3. Read and interpret blueprints of landscape or turf irrigation systems.
4. Follow oral and written instructions.
5. Order and maintain irrigation parts and supplies.
6. Work cooperatively with others.

QUALIFICATIONS

7. Estimate time and materials for sprinkler repair work.
8. Establish and maintain effective working relationships with District management, staff, and others encountered in the course of work.

Education, Training, and Experience:

Graduation from high school or G.E.D. equivalent; and two years of increasingly responsible experience in the installation, maintenance, and repair of automatic sprinkler systems.

Licenses; Certificates; Special Requirements:

A valid California Class C driver's license, a good driving record, and the ability to maintain insurability under the District's vehicle insurance policy.

A current reclaimed/recycled water supervisor certificate.

Upon acceptance of the District's offer of employment, new hires may be required to complete a baseline physical examination prior to the first day of employment.

PHYSICAL AND MENTAL DEMANDS

The physical and mental demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this class. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Demands

While performing the duties of this job, the employee is regularly required to use hands to finger, handle, feel, or operate objects, tools, or controls; and reach with hands and arms. The employee frequently is required to stand and talk or hear; walk or sit; stoop, kneel, crouch, or crawl.

The employee must regularly lift and/or move up to 50 pounds and occasionally over 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

Mental Demands

While performing the duties of this class, the incumbent is regularly required to use written and oral communication skills; read and interpret data, information, and documents; analyze and solve problems; use shop mathematics; observe and interpret situations; deal with changing, intensive deadlines; and interact with officials and the public.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this class. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

The employee frequently works in extreme outside weather conditions, near moving mechanical parts, and on slippery and uneven surfaces. The employee is frequently exposed to wet or humid conditions, fumes or airborne particles, toxic or caustic chemicals, and risk of electrical shock. The noise level in the work environment is frequently loud.

Board Approval: 2/5/26