

CLASS SPECIFICATION
Landscape Irrigation Technician

GENERAL PURPOSE

Under general supervision, oversees the operation and maintenance of the Community Services District parkway and median landscape irrigation systems, including the operation and programming of the District's central irrigation computerized control system; and performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

Landscape Irrigation Technicians program and monitor landscape irrigation schedules and alarms, inspects new street landscaping irrigation installation and existing street landscaped sites to ensure irrigation requirements are met and that the central irrigation system is always operational.

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.

1. Operates and maintains the Community Services District's computerized, central irrigation control system and ancillary telemetry components.
2. Collects irrigation system performance data, reference evapotranspiration, soil and plant types, weather and other environmental factors for use in developing and evaluating irrigation schedules.
3. Analyzes and evaluates past and current water usage to maximize irrigation efficiency and facilitates irrigation system upgrades or modifications.
4. Writes, reads and interprets landscape and irrigation plans and specifications.
5. Coordinates Community Services District parkway and median irrigation plan check activities to ensure compliance; provides incidental irrigation system layouts and design as necessary.
6. Formulates specific irrigation schedules for specific sites throughout the parkway and maintenance district.
7. Personally inspects installations of parkway irrigation systems installed through maintenance or new construction contractors; refers breaks, leaks or other malfunctions to Landscape Services Inspectors.
8. Performs various administrative and related duties as required.

QUALIFICATIONS

Knowledge of:

1. Basic hydraulics and irrigation design and layout theory, including backflow protection methods and devices, sizes and specifications of pipes and fittings for proper volume and pressure, and methods and materials used in maintenance and repair of automatic sprinkler systems.
2. Plant/soil/water relationships and their impact on irrigation scheduling.
3. Operation and maintenance of basic irrigation system components including valves, controllers, piping, sprinklers, bubblers and drippers.
4. Operation and maintenance of central computerized irrigation systems and associated components such as system applications software, flow sensors, pulse transmitters, field communication interface devices, surge suppression and grounding/lightning protection and rain sensors.
5. Use of computers and standard business software.

Ability to:

1. Oversee and/or perform maintenance and repair of irrigation system operational control components.
2. Interpret soil analysis reports, assess plant water requirements and perform other evaluative procedures necessary to formulate various site irrigation schedules.
3. Understand and operate centralized irrigation scheduling software; diagnose and abate problems.
4. Read and interpret landscape and irrigation plans and specifications.
5. Conduct water management and usage audits.
6. Understand and follow written and oral instructions.
7. Communicate clearly and concisely and provide direction to others, both orally and in writing.
8. Establish and maintain effective working relationships with other City employees, contractors, representatives of outside agencies, the public and others encountered in the course of work.

Education, Training and Experience:

A typical way of obtaining the knowledge, skills and abilities outlined above is graduation from high school, or GED equivalent, supplemented by course work in ornamental horticulture, irrigation design or landscape architecture or a closely related field; and at least four years of related, progressively responsible, related experience in irrigation system maintenance and operation; or an equivalent combination of training and experience. A related AA or BS degree is highly desirable.

Licenses; Certificates; Special Requirements:

Possession of a valid California driver's license and the ability to maintain insurability.

A California State Certified Landscape Irrigation Auditor certificate, a Certified Recycled/Reclaimed Water Site Supervisor's certification and "Rainbird" Maxicom software certification or the ability to obtain such certificates within six months of date of hire.

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, employees are regularly required to sit; talk or hear, both in person and on the telephone; use hands to finger, handle and feel computers and standard business equipment; and reach with hands and arms. The employee is frequently required to stand and walk.

Specific vision abilities required by the job include close vision, distance vision, peripheral vision and the ability to adjust focus.

Mental Demands

While performing the duties of this class, incumbents are regularly required to use written and oral communication skills; read and interpret data, information and documents; analyze and solve problems; interpret people and situations; use math/mathematical reasoning; perform highly detailed work under changing deadlines; and interact with other City employees, contractors, representatives of outside agencies, the public and others encountered in the course of work.

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 the essential functions.

While performing the duties of this job, the employee works under typical office conditions and the noise level is usually quiet. The employee may frequently be required to work in outside conditions, exposed to wet or humid conditions, and where the noise level may be loud.