

SENIOR IRRIGATION MAINTENANCE TECHNICIAN

Salary Range: 26 (Public Service Employees)

DEFINITION

Under general supervision, provides lead direction to irrigation maintenance staff responsible for the installation, inspection, maintenance and repair of irrigation systems and related equipment within City facilities; sets priorities and directs the work of assigned staff on a project or day-to-day basis; performs routine to complex irrigation maintenance and repair work; and performs related work as required.

DISTINGUISHING CHARACTERISTICS

This is the advanced journey-level, leadworker class in the irrigation maintenance series that performs the most complex duties required to ensure that the City's irrigation systems are functioning efficiently and effectively. Incumbents serve as the lead level worker responsible for the technical and functional direction of assigned staff, inspecting and attending to assigned areas in a timely manner, and performing a wide variety of tasks in the maintenance and repair of City irrigation systems. This class is distinguished from the Irrigation Maintenance Technician in that the latter is not a lead over assigned staff. This class is distinguished from the Landscape Services Supervisor that the latter is the full supervisory level class in the series responsible for planning, organizing, supervising, reviewing and evaluating the work of landscape services staff either directly or through lead workers. This class is distinguished from the Landscape Services Trade Worker in that the former is required to have specialized technical knowledge and abilities related to the installation, inspection, maintenance and repair of irrigation systems while the latter is responsible for overseeing and performing tasks involving carpentry, masonry, and electrical work.

SUPERVISION RECEIVED AND EXERCISED

Incumbents report to the Landscape Services Supervisor and exercise technical and functional direction over assigned staff.

EXAMPLES OF DUTIES, KNOWLEDGE, AND ABILITIES

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

- Provides technical and functional direction to assigned irrigation maintenance staff; reviews and controls quality of work; assists in completing employee evaluations; participates in performing maintenance and repair work.
- Plans, schedules, prioritizes and assigns irrigation maintenance and repair work in consultation with the Landscape Services Supervisor; communicates status of repairs to appropriate personnel, working cooperatively to schedule repairs in accordance with established priorities and special operational priorities.
- Trains and instructs employees in proper work methods, use of tools and equipment, and relevant safety precautions.
- Assists in developing work plans, procedures, and schedules.
- Orders supplies and equipment for work projects; maintains records of purchase orders; may assist in developing budget figures for division.

- Performs the most complex maintenance and repair work of irrigations systems.
- Reviews irrigation plans and specifications; writes landscape specifications for irrigation installs; provides documentation of maintenance and repair activities, prepares reports and records information related to work crews, equipment, and duration for extra work on City Public Works projects; reports discrepancies requiring corrective actions to the Public Works Director.
- 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; maintains databases for all irrigation controllers, water meters, electric meters, and phone lines related to irrigation.
- Responsible for strategic planning for water conservation to keep up with laws such as AB 1881.
- Maintains all communication for Maxicom via Ctek modems and phone lines; installs all new firmware for Ctek modems; ensures all irrigation software is up-to date, and trains personnel to use software effectively.
- Installs and maintains electronic equipment including but not limited to video cameras, flow sensors, moisture sensors, pump relays, switches, and pond level sensors.
- Performs and oversees water audits.
- Sizes water meters for new irrigation installs; oversees parks maintenance crews, for new irrigation installs.
- Maintains a complex controller replacement program.
- Works with trades workers to ensure sports fields are playable.
- Attends all pre-construction meetings with irrigation related items.
- Works effectively with contractors on City-approved irrigation projects; seeks bids and/or estimates for proposed projects; and oversees contract work.
- 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 irrigation systems.
- Plans and recommends materials needed for work projects; orders approved supplies and materials.
- 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:

- Basic principles of supervision and training
- 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:

- Plan, schedule, assign, and oversee the activities of an efficient irrigation maintenance program
- Identify and implement an effective course of action to complete assigned work
- Inspect the work of others and maintain established quality control standards
- Train others in proper and safe work procedures
- Perform a variety of specialized technical tasks in the installation, maintenance and repair of water irrigation systems
- Inspect irrigation systems and correcting or repairing as necessary
- Utilize a computerized system for monitoring and controlling irrigation systems; maintain databases for all irrigation controllers, water meters, electric meters, and phone lines related to irrigation
- Maintain efficient and effective irrigation systems using principles of water conservation
- Review irrigation plans and specifications; write landscape specifications for irrigation installs; and read and understand construction drawings as they relate to irrigation systems
- Maintain communication for modems and phone lines; install new firmware for modems; ensure irrigation software is up to date; and train personnel to use the software
- Install and maintain electronic equipment including video cameras, flow sensors, moisture sensors, pump relays, switches, and pond level sensors
- Size water meters and oversee crews performing new irrigation installs
- Maintain a complete controller replacement program

- Estimate needed materials and labor and secure sufficient quantities; preparing and developing 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, setting priorities and meeting critical time deadlines.
- Use English effectively to communicate clearly and concisely, both orally 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.
- Use computer technology and applications in the performance of daily activities
- Meet the physical requirements necessary to safely and effectively perform the assigned duties

Minimum Qualifications:

Education and Experience:

Any combination of training and experience that 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 (12th) grade and either one (1) year of experience working as an Irrigation Maintenance Technician for the City of Rocklin or five (5) years of responsible landscape/irrigation, public works or parks maintenance experience, including experience in design and/or maintenance of irrigation systems.

GENERAL QUALIFICATIONS:

In addition, the following licenses are required at the time of appointment and must be maintained during employment with the City of Rocklin

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-by-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.
- 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.

- A Qualified Pesticide Applicator Certificate issued by the Department of Pesticide Regulation is desirable.

Physical Requirements:

Mobility to work in the field, parks, recreational fields and related landscapes; strength, stamina and mobility to perform 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; ability to safely operate a vehicle.

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.

Adopted: July 2013

Revised: January, 2017

FLSA: Non-Exempt

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.