GREATER VALLEJO RECREATION DISTRICT

LEAD MAINTENANCE WORKER - IRRIGATION SPECIALIST
63IB

Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed within the job.

DEFINITION

To ensure irrigation system is properly maintained and operation at peak efficiency, Irrigation Specialist will design, perform installation, modification and maintenance of irrigation and sprinkler in parks and other properties owned and operated by the Greater Vallejo Recreation District.

Responsibilities include,

DISTINGUISHING CHARACTERISTICS

This is the advanced journey level classifications in the Maintenance Worker series. Positions at this level are distinguished from the other classes within the series by the level of responsibility assumed and the complexity of duties assigned. Employees perform the most difficult and responsible type of duties assigned to classes within this series including leading and overseeing lower level staff, and assuming responsibility for complex assignments with a minimum level of supervision. Employees at this level are required to be fully trained in all procedures related to assigned area of responsibility.

SUPERVISION RECEIVED AND EXERCISED

Receives direction from Parks and Landscape Supervisor or designee.

Exercises functional and technical supervision over lower level staff.

ESSENTIAL AND MARGINAL FUNCTION STATEMENTS

Essential and other important responsibilities and duties may include, but are not limited to, the following:

Essential Functions

1. Repair, replace, adjust, assess, modify and perform preventative maintenance on sprinkler systems, components and automatic controllers; install and connect low voltage wiring.
2. Program, adjust and repair automatic irrigation systems; clean out irrigation lines and valves.
3. Design, draw and install irrigation systems; clean out irrigation lines.
4. Assemble and install a variety of metal and non-metal pipes and fittings; test pipe systems for leaks.
5. Work with 110/120 volt wiring/ maintain wiring and connections of irrigation electrical systems.
6. Perform calculations to assure correct ratios of pipe nozzle size to water pressure output per irrigation demand.
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7. Make labor and material estimates for repairs; order equipment and supplies.
8. Respond to emergency requests for irrigation repair during and after work hours.
9. Assist Construction Inspectors in the inspection of irrigation system installations.
10. Prepare and present an annually water conservation plan.
11. Review and interpret project scope, work plan and specifications; read blueprints, schematics and shop drawings.
12. Maintain log for daily reports.
13. Perform related duties as assigned

Marginal Functions:

1. Respond to emergencies as needed
2. Attend and participate in professional seminars and trainings to stay abreast of new trends and innovations in field of park and landscape maintenance. Share knowledge with subordinate staff.
3. Maintain certifications and licenses required for this position.
4. When assigned, perform the duties and responsibilities of the parks and Landscape Supervisor in their absence.
5. Perform related duties and responsibilities as assigned.

Knowledge of:

- Characteristics and qualities of products of major manufactures of irrigation system parts.
- Electric, automatic and manual sprinkler system installation, maintenance and repair.
- Irrigation systems and basic hydraulics as related to flow rates, pipe sizes, and water pressure.
- Use of power and hand tools and other irrigation maintenance equipment; electronic equipment.
- Blueprints, schematics and shop drawings.
- Basic electronics as applicable to irrigation system controls and controllers.
- Basic mathematics.
- Safe work procedures.
- Public contact skills.
- Landscape plant identification and maintenance practices;
- Operational characteristics of mechanical equipment and tools used in parks and grounds maintenance and construction;
- Principles and practices of effective employee supervision, including selection, training, motivating, performance evaluation, and discipline;
- Computer applications related to area of responsibility including the Microsoft Office Suite;
- Occupational hazards and standard safety practices;
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Ability to:
- Visually inspect and critique irrigation system installations.
- Troubleshoot irrigation and sprinkler system maintenance problems.
- Estimate labor and materials, order equipment, parts and supplies.
- Use sprinkler system tools and materials competently and safely.
- Draw and design irrigation systems.
- Read and interpret blueprints, schematics, and shop drawings.
- Maintain written records.
- Follow oral and written directions.
- Ability to interact professionally with all customers, employees and those from external public agencies.
- Perform skilled maintenance, Construction, and repair work for assigned areas.
- Operate a variety of vehicular and stationary mechanical equipment in a safe and effective manner.
- Plan, supervise, organize, review and evaluate the work of others;
- Manage multiple tasks, often with competing priorities and demands, and keep track of all assignments and deadlines;
- Analyze problems, identify alternative solutions, project consequences of proposed actions and implement recommendations in support of goals.
- Establish and maintain effective working relationships with those contacted in the course of work.
- Ability to work efficiently with minimal supervision.

Experience and Training Guidelines
Any combination of experience and education that would likely provide the required knowledge and abilities sufficient to successfully perform the essential duties listed above. A typical way to obtain the knowledge and abilities would be:

Experience:
- Three years of extensive knowledge in irrigation system installation, maintenance and repairs of parks or landscape areas irrigation systems.
- Experience on water conservation.

Training:
Equivalent to the completion of twelfth grade is required. Additional training in maintenance and constructions is desirable.

License or Certificate
- Possession of a valid California Driver's License and maintenance of acceptable driving record while employed.
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- Possession of or the ability to obtain within one year of appointment a water auditor certification.

WORKING CONDITIONS
While performing the duties of this job, the Irrigation Technician is regularly required to stand, walk, bend, lift, crouch, reach, stoop or kneel. Work in both indoors and outdoors, in variable weather conditions with exposure to noise, spills, noxious odors, contaminated soil and water and possibly hazardous chemicals; work on slippery and uneven surfaces; hear motors and alarms. Additional working conditions may include inadequate lighting, restricted movement and dirty/wet worksites.

This position may be required to work on weekends, holidays and in emergency situations ("on-call" responsibilities). Due to seasonal nature of work, some peak load situations may arise.

Physical Condition
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job in compliance with Americans with Disabilities Act (ADA) requirements.

On a case by case basis, reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. Essential and marginal functions may require maintaining physical condition necessary for heavy lifting, bending, stooping, kneeling and crawling; working at heights; standing for prolonged periods of time; operating motorized vehicles and equipment.

Required to wear personal protective equipment (PPE) appropriate for job assignments; must comply with respiratory program and Cal OSHA standards ADA Compliance: The District will make reasonable accommodation of the known physical or mental limitations of a qualified applicant with a disability upon request.

FLSA Status: Non-Exempt