

RIVERSIDE UNIFIED SCHOOL DISTRICT

CLASS TITLE: Lead Irrigation Worker (Range 27)

BASIC FUNCTION:

Under the direction of an assigned supervisor, performs tasks related to irrigation/water distribution, backflow devices and cross connection control; repairs, installation and design of irrigation systems and maintain/monitor/operate the District's central controlled irrigation computers and hardware components.

DISTINGUISHING CHARACTERISTICS:

The Lead Irrigation Worker will provide work direction, train irrigation crews and organize the day to day work of the irrigation department. They may be assigned to serve as the Grounds Maintenance Supervisor in the absence of the Supervisor. The Lead Irrigation Worker will provide direction on irrigation projects and any new addition of central control computerized irrigation software or hardware.

REPRESENTATIVE DUTIES:

Train and provide work direction to assigned staff and crews; organize work of maintenance staff as assigned. *E*

Reviews blueprints to assure compatibility and standardization of irrigation parts, hardware and software. *E*

Design irrigation projects and provide cost estimates. *E*

Prepare and close out work orders. *E*

Install, inspect, test and maintain irrigation systems and central control hardware/software. *E*

Operate and maintain all types of equipment used in the field of irrigation repair, such as threaders, cutters, test equipment, trenchers, jackhammers and various hand tools. *E*

Installs and maintains irrigation pumps, electrical controls and sprinkler systems. *E*

Drives District vehicle to and from jobs. *E*

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Automated central control irrigation systems

Various aspects of pipe fitting as it applies to sprinkler installations

Sizes and specification of pipes and fittings for proper volumes and pressures

Procedures, methods, techniques materials, supplies, tools and equipment used in the installation, maintenance and repair of irrigation systems including knowledge of the various types of controllers, Valve and pipe fitting sizes and specification; and knowledge of volume rates and friction loss ratio
Landscape installation and maintenance
Automated central control irrigation system
Landscape installation and maintenance
Evapotranspiration ratios and how it relates to and governs water cycle requirements for trees, turf and shrubs.
District policies, rules and regulations

ABILITY TO:

Install and repair irrigation systems which includes all necessary pipes and fittings, wiring and automatic computer controls.
Maintain computer controlled irrigation system through record keeping logs and troubleshooting data.
Operate the tools and equipment used in the installation, maintenance and repair of manual and automatic sprinkler systems.
Determine watering requirements for location and design of an effective irrigation system.
Perform and learn a wide range of general maintenance and repair work.
Maintain departmental records.
Work cooperatively with those contacted in the course of work.
Understand and follow oral and written directions.
Work with minimum supervision.
Read and write at the level to perform the job function.
Coordinate and schedule the work of others.
Read and interpret blueprints and prepare sprinkler layouts, prepare material lists and lay out work at the job site.
Calculate job estimates regarding man-hours and costs of materials.
Make changes on master blueprints of irrigation systems.
Install and maintain backflow devices.
Service or replace clock motors and micro switches in automatic timing devices.
Replace soil and turf after maintenance and repair work is completed.
Install and repair galvanized, cast iron, transite, PVC, and other types of pipe found in sprinkler systems.
Lead the work of others and assist other grounds personnel as required.

EDUCATION AND EXPERIENCE:

High School graduate or equivalent.
Three (3) years grounds maintenance work including installing and repairing irrigation systems.

LICENSES AND OTHER REQUIREMENTS:

Certificate in Irrigation Design
Valid Class C California driver's license.

WORKING CONDITIONS:

ENVIRONMENT:

Outside work environment

Traveling from site to site to conduct work

Subject to adverse weather conditions and noise from equipment operation

Regular exposure to fumes, pollen, chemicals, dust, and dirt

PHYSICAL ABILITIES:

Strength: Heavy work – lifting, carrying, pushing or pulling up to 100 pounds with frequent lifting and/or carrying of objects weighing up to 50 pounds

Climbing

Bending, twisting at the waist

Stooping and kneeling

Dexterity of hands and fingers to operate vehicles and a variety of specialized equipment and tools

Reaching overhead and horizontally

Standing and walking for extending periods of time

Walking over rough and uneven surfaces

Gripping/grasping tools, supplies and equipment

Seeing to perform grounds maintenance work

Hearing and speaking to exchange information

HAZARDS:

Working with machinery having moving parts