



TECHNICIAN- IRRIGATION

DEFINITION:

Under the supervision of the Supervisor- Grounds, leads and participates in skilled work in the installation, repair and maintenance of designated irrigation systems and related parts, components and equipment; trains and provides work direction to assigned personnel.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Leads and participates in skilled work in the installation, repair and maintenance of designated irrigation systems and related parts, components and equipment; maintain a safe environment for students, staff and the public.
- Maintains, troubleshoots, repairs, renovates and remodels new and existing irrigation systems,
- Reviews blueprints to assure compatibility and standardization of sprinkler parts, valves, water pressure guidelines and pipes.
- Adjusts lawn sprinkler heads.
- Maintains inventory of irrigation supplies and equipment.
- Operates and maintains a variety of power-driven equipment and small hand and power tools.
- Maintains proper-water distribution on turf and shrub areas as required.
- Cleans and repairs lawn sprinkler heads and systems.
- Locates remote and manual control valves and irrigation piping for repairs.
- Repairs and replace and install sprinkler systems according to blueprints or as directed.
- Maintain routine records related to purchase orders and assigned activities.
- Maintains and installs automatic and semi-automatic and manually operated sprinkler controls, backflow protection equipment and anti-siphon devices.
- Driving a vehicle to conduct work.
- Trains and provides work direction to assigned personnel.

QUALIFICATIONS GUIDE

Knowledge of:

- Procedures, methods, techniques, materials, supplies, tools and equipment used in the installation, repair and maintenance of sprinklers and irrigation systems.
- Building codes and other restrictions pertaining to sprinkler irrigation systems.
- Proper operation of a variety of hand and power tools and heavy equipment related to the irrigation field.
- Principles, practices and maintenance of electronic controllers used in irrigation systems.
- Health and safety regulations.
- Proper lifting techniques.
- Principles of training and providing work direction to others.
- Oral and written communication skills.
- Interpersonal skills using tact, patience and courtesy.
- Basic record-keeping techniques.
- Shop math applicable to the assigned trade.

Ability to:

- Perform skilled work in the installation, repair and maintenance of designated irrigation systems and related parts, components and equipment.
- Interpret and work from blueprints, plans, schematic drawings and sketches.
- Inspect existing irrigation systems to assure proper operation.
- Estimate materials and supply needs.
- Operate a variety of hand and power tools and equipment.

- Requisition parts and supplies according to established guidelines.
- Meet schedules and time lines.
- Make mathematical calculations.
- Plan and lay out work.
- Observe health and safety regulations.
- Work independently with little direction.
- Communicate effectively both orally and in writing.
- Establish and maintain cooperative and effective working relationships with others.
- Maintain routine records related to work performed.

EDUCATION/EXPERIENCE:

Any combination equivalent to: graduation from high school and three years irrigation and grounds maintenance experience.

LICENSES AND OTHER REQUIREMENTS:

- Valid California Class C driver's license.

PHYSICAL DEMANDS:

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. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Dexterity of hands and fingers to operate hand and power tools and equipment.
- Sitting or standing for extended periods of time.
- Walking over rough or uneven surfaces.
- Seeing to read a variety of materials and perform irrigation repair duties.
- Regularly lift and/or move up to 50 pounds; lifting, carrying, pushing or pulling heavy objects up 100 pounds with assistance.
- Bending at the waist, kneeling or crouching.
- Reaching overhead, above the shoulders and horizontally.
- Heavy physical labor.
- Digging.

WORK ENVIRONMENT:

Outdoor environment. The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. The noise level in the work environment is usually moderate. Hazards include:

- Seasonal heat and cold or adverse weather conditions.
- Exposure to fumes, dust and odors.
- Working around and with machinery having moving parts.

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