



For the future of every student

CLASS TITLE: SPRINKLER SYSTEMS TECHNICIAN

BASIC FUNCTION:

Under the direction of the Facilities Manager, perform a variety of activities involved in the layout, installation, maintenance and repair of District sprinkler and irrigation systems and related parts, components and equipment.

REPRESENTATIVE DUTIES:

ESSENTIAL DUTIES:

Perform a variety of activities involved in the layout, installation, maintenance and repair of District sprinkler and irrigation systems and related parts, components and equipment to assure proper irrigation of landscaped areas; inspect sprinkler systems to assure proper operating condition.

Maintain, troubleshoot, repair, renovate and remodel new and existing sprinkler and irrigation systems including valves, sprinkler heads, controls, timing devices, water pumps and related components and equipment; dig holes and trenches; replace system parts and equipment as needed.

Plan, lay out, assemble, install, maintain and repair sprinkler and irrigation systems; inspect and repair water leaks; clean, adjust and repair sprinkler heads; test water systems for high and low pressure; test systems to assure proper water flowage; make related repairs and adjustments.

Determine watering schedules; check lawns to assure proper health and water distribution; turn water systems on and off as appropriate; set and adjust controllers and time clocks according to seasons, soil and lawn conditions, water distribution rates and established watering schedules.

Measure, cut, thread and install pipes, tubing and a variety of irrigation system fixtures; maintain and repair water lines; excavate and determine appropriate depth of trenches; connect new systems to existing water supplies.

Operate a variety of equipment such as backhoes, skip loaders, trenchers, water pumps, air compressors, jackhammers, cutters, drills, and a variety of hand and power tools; drive a vehicle to conduct work.

Estimate labor, material and equipment needed for assigned projects; monitor inventory levels of supplies and equipment; order, receive and maintain adequate inventory of supplies and equipment.

Plan, organize and lay out assigned tasks; interpret plans, diagrams, blue prints, sketches and specifications; work from verbal and written instructions and work orders; respond to emergency maintenance needs and requests.

Perform various grounds maintenance projects and activities in the beautification of District grounds, athletic fields and landscaped areas as assigned.

Communicate with District personnel to exchange information and resolve issues or concerns; provide assistance to contractors with projects involving irrigation systems.

Oversee and provide work direction and guidance to designated personnel during irrigation system projects as required.

Maintain routine records related to work orders and assigned activities; maintain and update master blue prints for the District's irrigation systems.

Perform other related duties as assigned that support the overall objective of the position.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Procedures, methods, techniques, materials, supplies, tools and equipment used in the installation, repair and maintenance of sprinkler and irrigation systems and related parts, components and equipment.
Basic principles of electricity and plumbing related to irrigation systems.
Operation of a variety of hand and power tools and heavy equipment related to the irrigation field.
General layout and design of various sprinkler systems and related equipment.
Appropriate pipe sizes and maximum and minimum water pressure guidelines.
Oral and written communication skills.
Basic record-keeping techniques.
Shop math applicable to the irrigation trade.
Health and safety regulations.
Proper lifting techniques.

ABILITY TO:

Perform a variety of activities involved in the layout, installation, maintenance and repair of District sprinkler and irrigation systems and related parts, components and equipment.
Interpret and work from blueprints, plans, schematic drawings and sketches.
Troubleshoot, diagnose and resolve irrigation system malfunctions.
Inspect irrigation systems to assure proper operation.
Replace system parts and equipment as needed.
Operate a variety of hand and power tools and equipment.
Test and repair water leaks.
Meet schedules and time lines.
Plan and lay out work.
Observe health and safety regulations.
Communicate effectively both orally and in writing.
Work cooperatively with others.
Maintain routine records related to work performed.
Establish and maintain cooperative and effective working relationships with others.
Maintain regular and consistent attendance.

EDUCATION AND EXPERIENCE:

Any combination of education, training and experience equivalent to graduation from high school or equivalent, and 2 years experience in the installation, repair and maintenance of irrigation systems.

LICENSES AND OTHER REQUIREMENTS:

Valid California driver's license.

WORKING CONDITIONS:

ENVIRONMENT:

Outdoor work environment.

Seasonal heat and cold or adverse weather conditions.
Exposure to fumes, dust and odors.
Driving a vehicle to conduct work.

PHYSICAL DEMANDS:

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.
Lifting, carrying, pushing or pulling heavy objects as assigned by position.
Bending at the waist, kneeling or crouching.
Reaching overhead, above the shoulders and horizontally.
Heavy physical labor.
Digging.

HAZARDS:

Working around and with machinery having moving parts.
Exposure to chemicals and fumes.

Approved by Personnel Commission: 09/19/2007
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