

STOCKTON UNIFIED SCHOOL DISTRICT

CLASS TITLE: IRRIGATION SPECIALIST

BASIC FUNCTION:

Under the direction of the Grounds Supervisor, perform skilled work in the installation, repair and maintenance of District irrigation systems.

REPRESENTATIVE DUTIES:

ESSENTIAL DUTIES:

Perform skilled work in the installation, repair and maintenance of District irrigation systems; maintain a safe environment for students, staff and the public.

Plan, lay out, assemble, install, maintain and repair District sprinkler and irrigation systems; clean, adjust and repair sprinkler heads; test water systems for high and low pressure; test sprinkler and irrigation systems for leaks.

Determine watering schedules; check lawns to assure proper amounts of water; set time clocks according to seasons, soil conditions, water distribution rates and established watering schedules.

Maintain, troubleshoot, repair, renovate and remodel new and existing irrigation systems, including valves, sprinklers, back flow devices, controllers, pumps, valve boxes, cross connections and related components and equipment; replace system parts and equipment as necessary.

Measure, cut, thread and install pipes, tubing and a variety of sprinkler and irrigation systems fixtures; wrap and insulate pipes as needed; excavate and determine appropriate depth of trenches; repair broken main lines; connect new systems to existing water supplies.

Operate a variety of power-driven equipment and tools such as saws, bobcats, backhoes and trenchers; operate testers, gauges and small hand and power tools; drive a District vehicle to and from work sites.

Review blueprints to assure compatibility and standardization of sprinkler parts, valves, water pressure guidelines and pipes; design jobs; estimate time and cost of materials.

Communicate with other departments, administrators and outside contractors to exchange information, coordinate activities and resolve issues or concerns.

Research prices for parts, materials and equipment; select vendors; requisition needed parts and materials; recommend purchase of new equipment.

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Maintain routine records related to purchase orders and assigned activities.

OTHER DUTIES:

Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

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 irrigation controllers used in irrigation systems.

Health and safety regulations.

Proper lifting techniques.

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 District irrigation systems.

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 organize 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 AND EXPERIENCE:

Any combination equivalent to: graduation from high school and two years experience in the installation, repair and maintenance of sprinkler and irrigation systems.

LICENSES AND OTHER REQUIREMENTS:

Valid California Class C driver's license.

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WORKING CONDITIONS:

ENVIRONMENT:

Outdoor work environment.

Seasonal heat and cold or adverse weather conditions.

Exposure to fumes, dust and odors.

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.