



**BERKELEY UNIFIED SCHOOL DISTRICT**  
**Human Resources Department**

**CLASSIFICATION AND  
 POSITION DESCRIPTION**

TITLE:	<b>Irrigation Specialist</b>	REPORTS TO:	<b>Assigned Supervisor</b>
DEPARTMENT/SCHOOL:	<b>Maintenance Department</b>	CLASSIFICATION:	<b>Non-Administrative Classified Technical</b>
FAIR LABOR STANDARDS ACT CLASSIFICATION:	<b>Non-Exempt</b>	WORK YEAR: HOURS:	<b>12 months/Calendar 2000 7.5 hours per day or duty days/hours as assigned</b>
APPROVED: Board Commission	<b>June 29, 2016 July 15, 2016</b>	SALARY GRADE:	<b>Schedule: 57 Range: 45</b>

**BASIC FUNCTION:**

Under the direction of an assigned supervisor, oversee, lead, and perform skilled work in the installation, repair and maintenance of designated irrigation systems and related parts, components and equipment; and lead, train, and provide work direction and guidance to assigned grounds crew members.

**REPRESENTATIVE DUTIES:**

**ESSENTIAL DUTIES:**

- Oversee, lead, and perform skilled work in the installation, repair and maintenance of designated irrigation systems and related parts, components and equipment
- Plan, lay out, assemble, install, maintain and repair 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, 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 vehicle to conduct work.
- Review blueprints to assure compatibility and standardization of sprinkler parts, valves, water pressure guidelines and pipes; design jobs; estimate time and material requirements
- Communicate with other departments, administrators and outside agencies to exchange information, coordinate activities and resolve issues or concerns

- Research prices for parts, materials and equipment; recommend vendors; requisition needed parts and materials; recommend purchase of new equipment
- Maintain routine records related to assigned activities
- Oversee, lead, and perform a variety of grounds maintenance and gardening duties in the beautification of assigned grounds and landscaped areas

**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

Grounds, fields, plant, and tree maintenance

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

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:**

Oversee, lead and 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 AND EXPERIENCE:**

Any combination equivalent to: graduation from high school and three years' experience in the installation, repair and maintenance of sprinkler and 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

Perform work which involves the frequent lifting, carrying, pushing and/or pulling of objects weighing up to 50 pounds, and occasionally and with assistance up to 100 pounds

Bending at the waist, kneeling or crouching

Reaching overhead, above the shoulders and horizontally

Heavy physical labor

Digging

**HAZARDS:**

Working around and with machinery with moving parts

Exposure to chemicals and fumes

Exposure to seasonal heat and cold or adverse weather conditions

Exposure to fumes, dust, odors, oil, grease and gases