

**SAN DIEGO UNIFIED SCHOOL DISTRICT**

**POSITION DESCRIPTION**

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<b>TITLE:</b>	Irrigation Systems Technician	<b>REPORTS TO:</b>	Assigned Supervisor
<b>DEPARTMENT:</b>	Facilities Management	<b>CLASSIFICATION:</b>	Classified
<b>FLSA:</b>	Non-Exempt	<b>SALARY GRADE:</b>	046 OSS
<b>ISSUED:</b>	February 19, 2003		

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**BASIC FUNCTION:**

Plan, design, install, maintain, modify, and repair new or existing irrigation systems and related equipment throughout the district.

**REPRESENTATIVE DUTIES:** (Incumbents may perform any combination of the essential functions shown below. This position description is not intended to be an exhaustive list of all duties, knowledge, or abilities associated with this classification, but is intended to accurately reflect the principal job elements.)

**E = Essential Functions**

Prioritize work, and maintain and repair existing irrigation systems including locating and repairing leaks and breaks in main high-pressure lines, lateral non-pressure lines, automatic and manual valves, anti-siphon devices, main control valves, sprinkler heads, and related components. **E**

Modify existing irrigation systems with new components to increase irrigation efficiency. **E**

Install, set, reset, maintain, and identify problems and repair clock driven controls and electronically driven control systems for automatic operation including repairing low voltage wiring. **E**

May plan, design, and install new irrigation systems to enhance existing systems. **E**

Operate power and hand tools such as pipe cutters, threading machines, power saws, wire tracing and diagnostic equipment, and other equipment related to the trade. **E**

Measure, cut, thread, and connect galvanized, copper, and PVC pipe. **E**

Dig trenches with shovel or with trenching equipment as needed. **E**

Perform skilled welding work such as acetylene welding, silver brazing, and soft soldering. **E**

Drive a truck. **E**

Estimate cost of materials and labor and order supplies and materials. **E**

May read blueprints.

Prepare reports and other documents. **E**

Coordinate equipment and labor with other units as required. **E**

May direct the work of helpers.

Perform related duties as assigned.

**MINIMUM QUALIFICATIONS:**

**EDUCATION AND EXPERIENCE:**

Any combination of training, experience, and/or education equivalent to completion of recognized plumbing/irrigation apprentice/training program or two years of full time equivalent, paid experience in the maintenance, repair, modification, installation, and design of irrigation systems.

**LICENSES AND OTHER REQUIREMENTS:**

Possession of a valid California driver's license.

Personality and character suitable for working on school grounds.

**KNOWLEDGE AND ABILITIES:**

**KNOWLEDGE OF:**

Methods common to irrigation systems maintenance, repair, modification, installation, and design.

Materials, tools, minor welding and soldering techniques, and specialized mechanical and technical equipment.

Basic electricity, basic math, and basic hydraulics.

Reading and writing English communication skills.

**ABILITY TO:**

Read and understand drawings, schematics, and blueprints of irrigation systems.

Establish and maintain effective working relationships with others.

Plan and organize work.

Meet schedules and time lines.

Prepare reports.

Analyze situations accurately and adopt an effective course of action.

Work independently with little direction.

Read, apply, and explain rules regulations, policies, and procedures.

**WORKING CONDITIONS:**

**ENVIRONMENT:**

Outdoor environments.

**PHYSICAL REQUIREMENTS:**

Strength and energy sufficient to maintain a rigorous work schedule involving driving and/or continuous, heavy physical exertion; hearing and speaking to exchange information; seeing to perform assigned duties; standing for extended periods of time; dexterity of hands and fingers to operate tools and equipment; kneeling, bending at the waist and reaching overhead, above the shoulders and horizontally as needed; lifting heavy objects.

Revised 4.2.04—PeopleSoft

Job Code 8028

PH