



# Sulphur Springs Union School District

## Serving Grades - K – 6



27000 Weyerhaeuser Way, Santa Clarita, CA 91351 661-252-5131 www.sssd.k12.ca.us

Canyon Springs Community School  
Leona Cox Community School  
Pinetree Community School

Fair Oaks Ranch Community School  
Mint Canyon Community School  
Sulphur Springs Community School

Golden Oak Community School  
Mitchell Community School  
Valley View Community School

## IRRIGATION SPECIALIST

### DEFINITION

Under general supervision, to perform skilled automated and manual irrigation system installation, repair, maintenance, and construction work; to perform skilled, semi-skilled, and unskilled work in grounds construction and landscaping related work; to work with and assist skilled building trades technicians in exterior plumbing construction, installation, and repair; and to perform related work as required.

### CLASS CHARACTERISTICS

Positions assigned to this class spend the majority of their working time performing skilled work as an Irrigation Specialist. Incumbents are assigned to perform duties independently or as a team member, as the need arises. Incumbents at this level are expected to plan daily work and to identify material and parts which are not in the departmental inventory for purchase authorization of the supervisor. Incumbents perform work which has some variation and which requires the application of routine judgment in the selection of appropriate work methods, material, procedures, and safety precautions. Incumbents receive general instructions when tasks are assigned and are expected to inspect the work site and complete the project in a safe workmanlike manner which complies with district and regulatory standards unless significant unanticipated problems are encountered. Incumbents are expected to refer to their supervisor matters which would create an unsafe environment for students, staff, and themselves and/or would be perceived as deviation from policy and procedure. Positions in this class are distinguished from the class of Irrigation Technician by the assigned responsibility of the technician level to design new and modified installations, to perform the primary purchasing for the irrigation shop, to maintain comprehensive records of irrigation systems, to recommends standardization of components, and to serve as a team leader on large projects. The Irrigation Technician has primary responsibility to maintain irrigation systems in an assigned portion of the District but, in addition, periodically inspects irrigation system effectiveness on a District-wide basis. Incumbents perform the full range of tasks of the Groundskeeper class.

### EXAMPLES OF DUTIES

*The tasks listed in this section are representative of duties assigned to positions in this class. This list is not intended to be an exhaustive list of all of the tasks assigned to positions in the class, and it is not expected that all of the tasks listed are necessarily assigned to all positions in the class.*

Troubleshoot, diagnose, and perform skilled work in the repair, alteration, construction, installation, replacement, and preventive maintenance of irrigation system water supply lines, controllers and timing devices, sprinkler heads and fixtures, and related equipment, in accordance with district standards. Cut, tap, thread, solvent weld, install and repair pipe and valves of P.V.C., galvanized, and related materials using proper hand and power tools, such as wrenches, threaders, cutters, vises; repair copper pipe with compression fittings; install, repair and replace manual gate valves, remote control automatic valves, and back flow prevention devices in accordance with applicable codes and standards; wire automatic controllers making water proof connections; test and inspect irrigation systems and controllers for proper operation.

Perform varied grounds maintenance and construction tasks, such as to operate light and medium power drive mowers and grounds maintenance equipment; mow and edge lawn areas, trim and prune trees and landscape; mix and apply herbicides and pesticides, lay sod, re-seed, and fertilize lawns and fields; trim trees and other vegetation; prepare, grade, drag, and line athletic fields; clean drainage ditches,

gutters, and catch basins; install and repair fencing; make minor asphalt repairs; and build forms, pour and finish concrete for walks and pads.

Examine assigned work orders to check priority status, to estimate materials, tools, and amount of time needed to perform the work and to verify that anticipated materials, supplies, materials, testing equipment, and tools are available and on the truck; upon completion of work, enter time and materials information needed to complete work orders; maintain preventive maintenance records of equipment serviced; complete periodic reports of work performed; record information required for district compliance with regulatory agency reporting.

Load and unload tools and materials to transport to and from job sites; perform daily preventive and safety inspection and operate district vehicle to and from school sites and vendor locations, obeying traffic laws and observing defensive driving practices; operate dump truck, trencher, back hoe, ditch witch and other construction equipment; wash and fuel vehicles; maintain tools and equipment in secure and working condition.

Advise crew leader or supervisor of the need to replenish supply of departmental stock of parts, supplies, materials, tools, or equipment; request supervisory authorization to initiate purchase requests for materials, parts, tools needed to complete assigned work orders

Confer with school site personnel in person and by telephone on assigned work to resolve and troubleshoot routine operational problems, to schedule work which may interrupt site activities or inconvenience students or site staff; and to report to work location.

Select tools, materials, and equipment needed to complete assigned work; transport tools, materials, and equipment from truck to the work area; use tools of the trade with skill, observing applicable safety precautions, using safety shields, guards and clothing, and establishing a safe and secure work zone for self and others in the work area; leave area in clean and safe condition when work is complete.

Research operating and technical manuals, analyze and follow technical installation, operating, troubleshooting, and repair instructions, schematic charts, and drawings; refer to district blueprints and records to plan work and analyze problems; brainstorm with departmental staff, users and vendors to obtain information and problem solve; confer with team leader and/or supervisor on scheduling and technical problems of jobs and to plan and schedule assigned work and preventive maintenance.

Perform skilled, semi-skilled and unskilled duties as a team member or independently in other trades and general maintenance areas, as the need arises; perform related work as assigned.

Wear identification and protective clothing and use safety equipment and devices.

Serve on assigned committees and teams.

Participate in District mandated training and retraining programs.

Perform related work as required.

#### **LICENSE REQUIRED**

Possession of a valid and appropriate California Driver's license.

## **QUALIFICATIONS**

### **Knowledge Of:**

Theory of hydraulics related to water pressure and flow, and the practices, procedures, methods, materials, and equipment used in automated and manual irrigation system maintenance, installation, and repair and in related areas of school grounds maintenance and repair.

Qualities, grades, uses and adaptability of materials used in irrigation system installation and repair and in landscaping and grounds maintenance work.

Applicable codes, regulations and safety precautions.

Routine time and materials record keeping methods.

Shop math applicable to irrigation, landscaping, and grounds construction and repair work.

English usage.

### **Ability To:**

Perform skilled work in irrigation system installation, repair, maintenance, and related work.

Use applicable power and hand tools and equipment with skill and safety.

Operate dump truck, fork lift, back hoe, trencher, ditch witch, mowers, sweepers, and related construction equipment;

Maintain accurate records.

Work with considerable independence in performing skilled irrigation work.

Analyze situations accurately and adopt an effective course of action.

Perform shop mathematics accurately.

Maintain tools and equipment used and assigned in clean working order, provide proper security in accordance with established departmental guidelines.

Read, write, and speak English at a level required for successful performance.

Operate a District vehicle, observing traffic laws and using defensive driving practices.

Perform heavy physical labor.

Understand and follow oral and written directions.

Establish and maintain effective working relationships with those contacted in the course of work.

## **TRAINING AND EXPERIENCE**

Any combination of education, training, and experience equivalent to graduation from high school and supplemented by specialized training in manual and automated irrigation system design, installation, and repair which demonstrates possession of the knowledge and abilities stated above, and the ability to perform the duties of the position. A typical qualifying entrance background is at least one year of skilled experience performing institutional or commercial irrigation system repair, and maintenance work involving programming, operation, and repair of automated controllers.

## **PHYSICAL ABILITIES AND WORKING CONDITIONS OF EMPLOYMENT**

*The Physical Abilities and Other Conditions of Employment and the Associated Tasks listed in this section are representative of, but are not intended to provide an exhaustive list of Physical Abilities and Other Conditions of Employment and Associated Tasks which may be required of positions in this class. Sulphur Springs Union School District encourages persons with disabilities who are interested in employment in this class and need reasonable accommodation of those disabilities to contact the Personnel Department for further information.*

### **PHYSICAL DEMANDS**

**Vision:** (which may be corrected)

See small objects at a distance of 10'

Walk over uneven terrain

Use peripheral vision

### **ASSOCIATED TASKS**

**To Perform Tasks Such As To:**

Avoid damage to grounds equipment and sprinkler equipment and to prevent injuries to staff and students

To perform irrigation repair and grounds duties

To operate vehicle and grounds equipment

**Hearing:** (which may be corrected)  
Hear sounds which warn of potential danger  
Analyze sounds of equipment operation

Tolerate exposure to noisy conditions

**Upper Body Mobility:**

Use hands and fingers to feel, grasp, and manipulate small objects, manipulate and fingers, twist and bend hands at wrist and elbow  
Extend arms to reach outward and upward  
Use hands and arms to lift objects  
Turn, raise, and lower head  
Twist and bend at torso

**Lower Body Mobility:**

Walk on even and uneven terrain

Stand for prolonged periods of 4 hours  
Step over objects

**Strength:**

To lift, push, pull, and/or carry objects which weigh as much as 50 pounds on a frequent basis and 75 pounds on an occasional basis

**Smell:**

Distinguish strong odors which may warn of equipment malfunction or danger

**Environmental Requirements:**

Exposure to sun, rain and wind without effective protection  
Exposure to harsh chemicals/toxic conditions  
Work around unpleasant fumes/odors and dirt/dust  
Work independently  
Work outside

**Mental Requirement:**

Understand, interpret, and apply routine information  
Judgment  
Learn quickly and follow verbal procedures and standards  
Process information quickly and make quick decisions

**To Perform Tasks Such As To:**

Perform equipment operations in presence of children  
Hear sounds which warn of equipment malfunction; listen to sprinkler and clock operation  
Operate grounds equipment for prolonged periods each day

**To Perform Tasks Such As To:**

Adjust, clean, and service irrigation equipment and use grounds tools, make equipment adjustments, use tree trimming and grounds tools  
Load and unload equipment, trim trees and maintain grounds  
Load and unload materials and equipment  
Observe area when checking irrigation system operation  
Load and unload materials, service equipment and adjust sprinklers

**To Perform Tasks Such As To:**

Check the operation of irrigation systems; repair sprinkler lines and heads  
Install and repair irrigation systems  
Step across trenches

**To Perform Tasks Such As To:**

Load and unload equipment and material

**To Perform Tasks Such As To:**

Detect gas leaks

**To Perform Tasks Such As To:**

Perform irrigation installation and repair

Seal joints of PVC  
Seal joints of PVC

Inspect and repair irrigation systems  
Inspect and repair irrigation systems

**To Perform Tasks Such As To:**

Select appropriate sprinkler heads and timing devices  
Operate irrigation equipment in the presence of children  
Follow schedule and perform unscheduled grounds tasks  
Ensure safe use of equipment