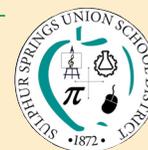


Sulphur Springs Union School District

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 TECHNICIAN

DEFINITION

Under general supervision, to perform skilled automated and manual irrigation system design, installation, repair, maintenance, modification, 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 classes spend the majority of their working time performing skilled work as an Irrigation Technician. Incumbents are assigned to perform duties independently or as a team member, as the need arises. Incumbents at this level are expected to plan assigned work and to identify material and parts which are not in the departmental inventory for purchase authorization by the supervisor. Incumbents perform work which has considerable variation and which requires the application of 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 differentiated from the Irrigation Specialist by the additional responsibility to design major new and modified irrigation systems, to work with supervisors in standardization of irrigation components, to maintain irrigation supplies in appropriate quantities in stock, to maintain records of irrigation systems, and to inspect and monitor district-wide irrigation systems. Incumbents designated as a small project crew leader are assigned to assign, check, guide, and correct work of crew members. 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. Design, plan, and layout new and modified irrigation systems and installation working from and preparing plans and sketches. Plan, schedule, and lead work in major irrigation system installation and renovation. Analyze quality of irrigation components and recommend standardization. Order and purchase from established vendors parts, supplies and materials to maintain predetermined levels of stock on hand for irrigation work. Inspect irrigation systems District-wide for operational effectiveness,

recommend system modifications, and make repairs. Maintain records of irrigation system maintenance and repair, parts and materials used, school and activity schedules.

Perform varied grounds maintenance and construction tasks, such as to operate light and medium power driven 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 inspections, 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; update blueprints and records to reflect modifications in systems design and equipment; 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.

Research catalogs to locate parts and tools. Contact vendors by telephone and in person to verify availability of parts, materials, supplies, tools, and equipment and to place orders in accordance with district procedures.

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 design, 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.

Basic work planning, estimating, and scheduling.

Routine time and materials record keeping methods.

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

English usage.

Ability To:

Perform skilled work in irrigation system design, construction, 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;

Analyze, interpret, and work from technical manuals, schematic drawings, blueprints, and specifications.

Maintain accurate records and prepare routine reports.

Work from and prepare shop drawings and sketches.

Communicate effectively and problemsolve with customers, suppliers, team members, and personnel from other trades units.

Plan and layout work to meet cost and time requirements.

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 knowledges 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 design, installation, modification, 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 ASSOCIATED TASKS

Vision: (which may be corrected)

See small objects at a distance of 10'

Walk over uneven terrain

Use peripheral vision

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 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

To Perform Tasks Such As To:

Avoid damage to grounds equipment and sprinkler equipment and to prevent injuries to staff and students; observe irrigation system operation

To perform groundskeeping and irrigation repair duties

To operate vehicle and grounds equipment

To Perform Tasks Such As To:

Perform equipment operations in presence of children

Hear sounds which warn of equipment malfunction; hear 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

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:

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