

WALNUT VALLEY UNIFIED SCHOOL DISTRICT

JOB TITLE: IRRIGATION SYSTEM MECHANIC

BASIC FUNCTION

Under general supervision of the Director of Maintenance, Operations, Facilities Development & Transportation, to perform semi-skilled and skilled functions pertaining to the installation, scheduling, maintenance, and repair of sprinkling and irrigation systems; to assist other maintenance trades in semi-skilled and skilled trade areas; and to do other related work as required. Incumbents in this classification provide students, staff, and the public with well-maintained, visually appealing and safe building and grounds infrastructure which directly supports learning.

ESSENTIAL JOB FUNCTIONS

- Plans, lays out, assembles, installs, maintains, and repairs sprinkling and irrigation systems
- Digs trenches for rerouting and installing new water lines and valves and makes repairs to existing irrigation systems (e.g. broken sprinklers, water valves, etc.)
- Measures, cuts, threads, and installs pipes, tubing, and a variety of sprinkler and irrigation system fixtures and controls
- Wraps and insulates pipe and fixtures to prolong life and to protect against extreme weather changes
- Installs, adjusts, and maintains back-flow pressure valves and system control devices
- Sets, monitors, and adjusts control devices and systems to accommodate a planned sprinkling and irrigation schedule, and water saving procedures
- Consults with school and district personnel regarding facility use and irrigation schedules
- Cleans, adjusts, and repairs sprinkler heads, clocks, irrigation valves and other irrigation devices
- Performs water pressure tests, tests for water leaks and monitors pressure control gauges and devices to ensure proper function
- Performs a variety of technical and monitoring activities pertaining to the construction and installation of irrigation and sprinkler systems by contractors and service vendors
- Works from blueprints, diagrams, and schematic drawings to determine work procedures and layout
- Estimates time and material project costs
- Requisitions and keeps an appropriate inventory of supplies, materials, and parts
- Organizes and coordinates the work of ground maintenance personnel in the installation, repair and maintenance of sprinkler and irrigation systems
- Operates a variety of power tools and heavy-duty equipment, including trenching machines, backhoe, bobcat, dump truck, fork lift, jack hammer, concrete saw cutter, pipe threaders, tractors and other related equipment
- Drives a service vehicle to and from work sites
- Assists the Maintenance Worker III - Plumber with repairs such as sweating pipes, installing or replacing back flow preventers, etc.
- Monitors and utilizes computer systems (e.g. CalSense) to ensure irrigation systems are functioning properly and efficiently
- Contacts vendors and obtains prices and services
- Participates in various large projects such as moving furniture and equipment, large set ups or other activities (e.g. summer moves, new construction set up, special events, graduation, setting up bleacher, etc.) that may not involve irrigation mechanic work
- Operates a computer to research materials, find products needed and process work orders
- Performs other related duties as assigned

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JOB REQUIREMENTS – QUALIFICATIONS

Skills, Knowledge and/or Abilities Required:

Skill to:

- To operate the variety of tools and equipment utilized in the performance of duties including various types of digging equipment
- To perform various inspection, installation, maintenance and repair activities

Knowledge of:

- Procedures, methods, techniques, materials, supplies, tools, and equipment in the installation, repair; and maintenance of sprinkling and irrigation systems
- Building codes and other restrictions pertaining to sprinkling and irrigation systems
- Reclaimed water restrictions and use requirements
- Safe working methods and procedures, including with heavy equipment used in the installation and repair of irrigation systems

Ability to:

- Efficiently and effectively use a variety of hand and power tools and equipment, including heavy equipment, in performing skilled sprinkler and irrigation system installation and repair activities
- Work from blueprints, schematic drawings, and sketches
- Repair back flow preventers
- Use irrigation control computerized systems that include capability of remotely activating and turning off various installed irrigation sub-systems
- Accurately estimate time and material costs
- Maintain simple and concise records, and prepare accurate and comprehensive reports
- Lead and coordinate the work of others
- Understand and carry out oral and written directions
- Establish and maintain cooperative working relationships
- Work courteously and tactfully with co-workers, public, pupils and parent
- Promote team building and a positive work environment
- Adapt easily to work assignments, additional priorities, and new procedures
- Receive constructive criticism and modify work appropriately
- Work alone on assigned tasks and projects without close monitoring and meet deadlines
- Identify needs and solve problems independently as appropriate
- Suggest procedural improvements to supervisor as appropriate
- Handle difficult situations skillfully and with good judgment
- Maintain high level of professionalism in keeping the needs of customers a top priority

PHYSICAL DEMANDS

Persons performing service in this position classification will be expected to perform heavy work involves lifting no more than 100 pounds occasionally and frequently lifting or carrying of objects weighing up to 50 pounds. This type of work may involve ascending and descending ladders, stairs, and ramps, entering and exiting trenches, and involves walking or standing for extended periods, and performing hand labor to minimize damage to existing irrigation and plumbing pipes. If someone can do heavy work, it is deemed

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that he or she can also do medium, light, and sedentary work. *(Per the Code of Federal Regulations – Section 404.1567 “Physical Exertion Requirements”)*

Reasonable accommodation may be made to enable a person with a disability to perform the essential functions of the job.

EXPERIENCE AND EDUCATION REQUIREMENT

Experience:

At least one (1) year of full-time journey level experience in the installation, repair, and maintenance of sprinkling and irrigation systems.

Education:

Equivalent to the completion of High School, supplemented by coursework or training in sprinkling and irrigation systems and water safety systems and procedures.

LICENSE AND CERTIFICATE REQUIREMENT

- Possession of a valid Class C, or higher, California Motor Vehicle Operator's License to operate District-assigned vehicle

CONDITION OF EMPLOYMENT

- Insurability by the District's liability insurance carrier
- Must receive two (2) hours of asbestos awareness training within the first 60 days of employment. Federal law requires that employees receive additional asbestos-containing building material (ACBM) training if they work in areas in which asbestos building materials may be disturbed. The District provides this training.