

TITLE: IRRIGATION TECHNICIAN

JOB GOAL: To provide irrigation expertise and leadership throughout the department in the District's efforts to maintain effective and efficient facilities in a condition of safety, neatness, proper performance, and aesthetic attractiveness so that each student may be provided with an environment, which is conducive to the learning experience. This entails performing a variety of highly specialized skilled tasks and operations. Involved is the installation and repair; troubleshooting; planning, construction, designing and maintenance of irrigation systems and other equipment including general electrical, plumbing, mechanical, equipment, and furnishings, and water management systems. This position performs journey-level duties in several areas of the irrigation trades so that full educational use of the district's facilities is realized at all times.

QUALIFICATIONS

Knowledge of

1. Diagrams used in installation and repair of irrigation systems, plumbing fixtures; electrical, plumbing, and their care and use.
2. Products, methods and systems for increasing effectiveness and efficiency.
3. Arboreal standards and guidelines necessary for the proper irrigation of the district's tree program.
4. Basic English usage, reading, writing, and math at a level necessary to perform assigned tasks.
5. Computerized systems software and hardware related to the irrigation systems.
6. District operational procedures; basic principles of supervision.
7. Irrigation systems, valves, controllers, pumps and backflow devices.
8. Methods, materials, tools, and equipment used in grounds maintenance, field preparation, irrigation, and gardening work.
9. Safe use, maintenance, and operation of groundskeeping tools, power equipment, and irrigation systems.
10. Work order tracking and data collecting systems and procedures.
11. Safety rules and regulations related to grounds maintenance, plant disease, and pest control.

Ability to

1. Perform highly specialized skilled work safely and proficiently using a variety of hand tools and power equipment associated with irrigation repair, construction, installation, trouble shooting and maintenance.
2. Estimate the scope and costs of work assignments and to secure the necessary tools and materials to complete each assignment.
3. Quickly and effectively diagnose irrigation systems and repair problems, and take appropriate action for resolution.
4. Perform mathematical calculations using addition, subtraction, multiplication, division and algebraic and geometric formulas if necessary.
5. Determine priorities and schedule work effectively and efficiently.
6. Make observations and recommendations during the construction design and planning process as it relates to the various irrigation components and maintenance-related systems.
7. Train and instruct others in approved safety procedures.
8. Establish and maintain effective work relationships with those contacted in the performance of required duties and maintain flexibility with respect to assignments, duties and facility issues as they arise.
9. Communicate effectively and tactfully in both verbal and written form.
10. Establish and maintain complex irrigation schedules.
11. Handle all matters in a tactful, courteous, and confidential manner so as to maintain and/or establish good public relations.
12. Maintain records as required.
13. Meet the physical requirements of this job.

Ability to: (continued)

14. Operate and maintain a variety of power grounds equipment and tools safely and skillfully.
15. Perform skilled irrigation system maintenance work.
16. Plan and minimize labor and time costs.
17. Plan, organize, direct, or oversee the work of others.
18. Present and maintain a pleasant appearance and demeanor.
19. Read, understand and carry out both verbal and written instructions, policies, and procedures including blueprints and plans in an independent manner.
20. Train and instruct others in the care, use and application of fertilizers and grass seed applications.
21. Work out-of-doors during inclement weather conditions.

Training and Experience

1. Education equivalent to the completion of the twelfth (12th) grade.
2. Six (6) years of responsible experience in irrigation maintenance work; or any combination of training and experience that would likely provide the desired knowledge and abilities.
3. A work history demonstrating dependability and reliability.
4. Possession and maintenance of a First Aid Certificate and Cardio-Pulmonary Resuscitation (CPR) Certificate.
5. Maintenance of the valid California or State appropriate drivers licence included in special requirements.

REPORTS TO: Assigned Supervisor

ESSENTIAL FUNCTIONS

1. Performs a variety of highly specialized skilled functions involving irrigation, plumbing, electrical and/or mechanical work including mechanical maintenance work on potable and irrigation pumps and motors.
2. Repairs, installs, and maintains electrical equipment, motors, and other types of power equipment.
3. Provides cost estimates for assigned projects to include time, labor, parts, supplies, and equipment upon request.
4. Assists supervisor ensuring that proper safety and health regulations and practices are observed.
5. Collaborates with supervisor to verify that irrigated areas are operating properly and in good repair.
6. Confers with supervisor regarding projects.
7. Drives district vehicles and tractors as assigned.
8. Establish and maintain effective and efficient irrigation schedules to be applied either manually or automatically.
9. Establish and maintain preventative maintenance schedules on all portions of the irrigation systems.
10. Follows district policies and procedures.
11. Inspects tools and equipment and sees they are kept in proper working order.
12. Knows and understands the Mission and Core Values of the district.
13. Maintains all irrigation systems.
14. May personally perform general grounds/irrigation worker maintenance work typical of lower groundskeeping/irrigation worker classes.
15. Participates in district in-service training as required.
16. Processes work orders.
17. Recommends preliminary performance standards on all subordinates.
18. Schedules irrigation work in coordination with other programs.
19. Tests and assesses the effectiveness and efficiency of the irrigation systems.
20. Performs other related duties as assigned.
21. Monitors water management efficiency usage and tracking.
22. Manages reclaimed water systems and regulations.

OTHER FUNCTIONS

1. Assists the Director of Maintenance and Grounds and Director of Planning and Construction with design, installation, and acceptance of planned or newly acquired facilities.
2. Maintains records of pending and completed work/service requests, prepares written and oral reports as required.
3. Works with outside contractors and vendors
4. Acts as a liaison with the Murrieta Fire and Police Departments and monitoring companies and responds to emergency situations as necessary.
5. Ensures that all safety practices of CALOSHA (California Occupational Safety and Health Association) and regulations and health requirements are being met for irrigation personnel.

PHYSICAL ABILITIES

1. Visual ability to read handwritten or typed documents and instructions.
2. Able to conduct verbal conversation in English.
3. Able to hear normal range verbal conversation (approximately 60 decibels.)
4. Able to sit, stand, stoop, kneel, bend, and walk.
5. Able to climb slopes, stairs, steps, ramps, and ladders.
6. Able to lift up to thirty (30) pounds frequently, and fifty (50) pounds occasionally.
7. Able to carry up to thirty (30) pounds frequently, and fifty (50) pounds occasionally.
8. Able to push and pull a variety of tools and equipment weighing up to fifty (50) pounds.
9. Able to sustain strenuous manual labor for four (4) to six (6) hours.
10. Able to exhibit full range of motion for shoulder external rotation and internal rotation.
11. Able to exhibit full range of motion for shoulder abduction and adduction.
12. Able to exhibit full range of motion for elbow flexion and extension.
13. Able to exhibit full range of motion for shoulder extension and flexion.
14. Able to exhibit full range of motion for back lateral flexion.
15. Able to exhibit full range of motion for hip flexion and extension.
16. Able to exhibit full range of motion for knee flexion.
17. Able to use respirators, for personal protection, up to: four (4) hours per day, strenuous physical effort, six (6) hours per day, moderate physical effort, eight (8) hours per day, light physical effort.
18. Able to work at various elevated heights in a safe and effective manner.
19. Able to work in a wide range of temperatures and weather conditions.
20. Able to work in restricted spaces in a safe and effective manner.
21. Able to demonstrate manual dexterity necessary to perform fine maintenance procedures and operate both manual and power hand tools in a safe and effective manner.
22. Able to set up and operate hand and powered spray equipment for the application of pesticides, herbicides, soil sterilants, hormones, fertilizers, seeds, and soil amendments in a safe and effective manner.
23. Able to work with chemical agents in a safe and efficient manner without allergic reaction.
24. Able to operate a variety of powered industrial vehicles and equipment, and manual equipment, as commonly found in grounds keeping, gardening, and custodial trades in a safe and effective manner.
25. Able to operate a variety of maintenance motor vehicles in a safe and effective manner.

SPECIAL REQUIREMENTS

1. Must use safety equipment and devices designated for this position.
2. Possession of a valid license to test and repair back flow valves desired.
3. Possession and maintenance of a valid and appropriate California Driver's License during the course of employment; have an acceptable driving record; and must be insurable at standard rates by district's insurance carrier and maintain such insurability during the course of employment.

TERMS OF EMPLOYMENT: Twelve-month work year
Classified bargaining unit member

EVALUATION: Performance of this job will be evaluated in accordance with Board of Education policy and provisions of the collective bargaining agreement. The assigned supervisor will give the evaluation.

Approved by: Board of Education

Date: October 22, 2015

**MURRIETA VALLEY UNIFIED SCHOOL DISTRICT IS A
TOBACCO-FREE, DRUG-FREE WORKPLACE AND
AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER**