

Irrigation Systems Installer / Repairer

Position Details

Class Code: 8240

Job Family: Service-Operations Workers

Classification: Support Professional

Terms of Employment: [Pay Grade 50 on the Support Professional Salary Schedule](#)

FLSA STATUS: NON-EXEMPT

Position Summary

Under general supervision, installs and repairs landscape irrigation systems.

Essential Duties and Responsibilities

The list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Performs and inspects maintenance/repairs of water delivery irrigation systems.
2. Installs, wires, and maintains irrigation electrical control systems.
3. Repairs, insulates, and replaces galvanized copper, ¾"-6" copper, and polyvinyl chloride (PVC) piping.
4. Repairs, replaces, and rebuilds sprinkler heads (i.e., spray heads, impact routers, inline emitters, bubblers, and gear-driven rotary heads) and valves (i.e., manual sprinkler valves, automatic sprinkler valves, gate valves, electronic valves, master valves, and flow meters).
5. Maintains daily work records and material use lists.
6. Cuts and threads pipe using pipe cutters, cutting torch, and/or pipe-threading machine.
7. Solders, brazes, and glues pipe, pipefittings, and related materials.
8. Tests assembled vessels and piping using specified procedures.

9. Operates ride-on trenchers, forklifts with digging and grading attachments, backhoes, front-end loaders, and sod cutters.
 10. Performs irrigation efficiency audits.
 11. Reviews plans and as-built drawings to determine materials and sequence of work performance.
 12. Installs and plumbs pumps of 3-15 horsepower.
 13. Installs and performs basic maintenance of backflow prevention devices; sets up and maintains electric pumps and weather stations.
 14. May be required to repair or replace hydraulic control systems for sprinkler systems, as required.
 15. May be required to move, assemble, or disassemble furniture, equipment, or other items, or to assist other crafts in emergencies or as the need arises.
 16. Responsible for the handling and safe disposal of hazardous materials.
 17. Conforms to safety standards, as prescribed.
 18. Performs other tasks related to the position, as assigned.
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Distinguishing Characteristics

Involves skilled work in the installation and repair of sprinkler irrigation systems and operation of grounds equipment.

Knowledge, Skills, and Abilities (Position Expectations)

1. Knowledge of electrical theory.
2. Knowledge of irrigation related plumbing systems.
3. Knowledge of Irrigation Association (IA) codes, plumbing codes, and District standards.
4. Knowledge of sprinklers and related systems (irrigation, backflow prevention devices, controllers, etc.)
5. Knowledge of sprinkler and irrigation efficiency audits.
6. Knowledge of plants, trees, shrubs, turf grass, and other related materials.
7. Ability to install, insulate, and repair sprinkler irrigation systems.
8. Ability to perform basic mathematical computations.
9. Ability to plan and organize work.
10. Ability to interpret verbal and written instructions.
11. Ability to operate power equipment and tools as described above.

12. Ability to read and comprehend blueprints, product instructions specifications, and material safety data sheets (MSDS).
 13. Ability to learn to use trenchers and hand/power equipment.
 14. Ability to meet predetermined deadlines.
 15. Ability to perform strenuous and physical work.
 16. Ability to work in confined spaces.
 17. Ability to work flexible hours and shifts.
 18. Ability to work cooperatively with employees, the public, and other agencies.
 19. Ability to recognize and report hazards and apply safe work methods.
 20. Possess physical and mental stamina commensurate with the responsibilities of the position.
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Position Requirements

Education, Training, and Experience

1. High school graduation or other equivalent (i.e., General Education Development (GED), foreign equivalency, etc.).
2. Two (2) years' experience working as a Gardner I, Gardner II, and/or Landscape Leader in the District; or,
Two (2) years' experience working in the landscape construction field involving the installation of irrigation systems.

Licenses and Certifications

1. A valid driver's license that allows the applicant/employee to legally operate a motor vehicle in Nevada. License must be maintained for the duration of the assignment.
2. Copy of driving history (copy must be dated within six (6) months from the date printed) issued by the Department of Motor Vehicles (DMV) at time of application or Qualified Selection Pool (QSP) placement and at time of interview prior to final selection.
3. Hold or be able to obtain forklift qualification card. If qualification card is not in possession at time of application or QSP request, it must be obtained within five (5) months of hire into position. Qualification card must be maintained for the duration of the assignment.

Preferred Qualifications

Water auditing certification.

Document(s) Required at Time of Application

1. High school transcripts or other equivalent (i.e., GED, foreign equivalency, etc.).
 2. A valid driver's license that allows the applicant/employee to legally operate a motor vehicle in Nevada.
 3. Copy of current driving history (copy must be dated within six (6) months from the date printed) issued by the DMV.
 4. District-issued forklift qualification card, if applicable.
 5. Specific documented evidence of training and experience to satisfy qualifications.
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Examples of Assigned Work Areas

Clark County School District facilities - landscape and grounds areas (i.e., schools, athletic fields, gardens, etc.).

Work Environment

Strength

Medium/heavy – exert force of 50-100 lbs., frequently; 25-50 lbs., occasionally; or 10-20 lbs., constantly.

Physical Demand

Frequent sitting, standing, walking, pushing, pulling, stooping, kneeling, crouching, reaching, handling, and repetitive fine motor activities. Hearing and speech to communicate in person, via video conference and computers, or over the telephone. Mobility to work in a typical office setting and use standard office equipment. Stamina to remain seated and to maintain concentration for an extended period of time. Vision: Frequent near acuity, occasional far acuity, and color vision. Vision to read printed and online materials, a Video Display Terminal (VDT) screen, or other monitoring devices.

Environmental Conditions

Varies from a climate-controlled office setting to work outdoors with temperatures ranging from mild/moderate to extreme cold/heat. Exposure to noise levels ranging from moderate to loud for occasional to frequent time periods. Exposure to soil/dirt/dusts, wet

and damp grounds, fertilizers, and hazardous materials (i.e., glues, solvents, primers, sealers, etc.).

Hazards

Furniture, office equipment, communicable diseases, chemicals and fumes (as related to specific assignment), and power/hand-operated equipment and machinery (as related to specific assignment).

Examples of Equipment/Supplies Used to Perform Tasks

District-issued/personal vehicles, trenchers, forklifts, small tractors, trucks, picks, axes, hand and power tools, electric pumps, gas pumps, backhoes, bobcats, pipes, torches, pipe threading machines, pipe benders, aerators, renovators, hand rakes, shovels, grease guns, etc.

AA/EOE Statement

The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender identity or expression, sexual orientation, national origin, genetics, disability, age, military status, or other characteristics protected by applicable law. Here at Clark County School District, we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity, we have the power to reflect the community we serve.

Job Revision Information

- Revised: 05/12/23
- Created: 05/04/93