



Classification Title: Irrigation Specialist

Department:	Grounds Services	EEO6 Code:	6
Employee Group:	Classified	Salary Grade:	18
Supervision Received From:	Supervisor, Grounds Services	Date of Origin:	9/2016
Supervision Given:	General Supervision	Last Revision:	9/2016

Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed by individual positions.

JOB SUMMARY.

Performs a variety of skilled, journey-level tasks involved in the installation, maintenance and repair of manual, automatic and computerized irrigation systems; operates equipment used in grounds maintenance.

DISTINGUISHING CHARACTERISTICS.

The Irrigation Specialist is distinguished from Senior Irrigation Specialist in that an incumbent in the latter class performs duties requiring more advanced knowledge of irrigation requirements of large landscaped areas and has lead level responsibilities.

ESSENTIAL AND MARGINAL FUNCTION STATEMENTS.

Essential Functions: Essential responsibilities and duties may include, but are not limited to, the following:

1. Installs, modifies, maintains, upgrades and repairs manual, semi-automatic and automatic irrigation systems, including pipes, valves, automatic control devices and sprinkler heads.
2. Inputs, cleans and adjusts sprinkler controls for correct time and duration of operation.
3. Assists in locating main lines, sprinkler lines, valves and electrical wires; performs preventive maintenance on irrigation systems; assists in laying out new irrigation system installations, working from general instructions, rough sketches or work orders.
4. Assists in the repair of backflow devices, water mains and laterals.
5. Operates a variety of medium weight power-driven equipment including loaders, backhoes, trenchers, tractors and power mowers.
6. Digs ditches and trenches prior to installation, maintenance and repair work; replaces soil and turf according to established procedures.

Marginal Functions:

1. Maintains routine records of work orders and equipment repair; maintains an inventory of parts, supplies and materials.
2. May provide guidance and work direction to hourly workers or community service workers.
3. Performs related duties and responsibilities as required.

QUALIFICATIONS.

Experience and Education/Training Guidelines: Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience: Three years of increasingly responsible experience in irrigation and drainage systems.

Education/Training: Equivalent to completion of the twelfth grade with additional coursework or training in plumbing or irrigation systems.

Licenses/Certificates:

Possession of, or ability to obtain, an appropriate, valid California driver's license by time of appointment.

Knowledge of:

1. Methods and materials used in the installation, maintenance and repair of automatic sprinkler systems including various timing devices, controllers, valves and heads.
2. Design and layout of general irrigation systems for large landscaped areas.
3. Proper methods of pipefitting as related to sprinkler installation.
4. Equipment and tools required in sprinkler repair and installation.
5. Water conservation techniques applicable to the operation of large turf irrigation systems.
6. Sizes and specifications of pipes and fittings for proper volume and pressure.
7. Operation and maintenance of hand tools, power tools and power-driven equipment used in irrigation and grounds maintenance.
8. Shop mathematics applicable to area of assignment.
9. Correct English usage, including spelling, grammar and punctuation.
10. Recordkeeping, filing and basic purchasing procedures and expense reporting.
11. Use and operation of computers, standard business software and specialized database and spreadsheet applications.

Skill in:

1. Planning, laying out, installing and repairing manual and automatic irrigation systems.
2. Operating tools and equipment used in the repair and maintenance of irrigation systems including pipe threaders, cutters and trenching equipment.
3. Reading and interpreting blueprints of landscape irrigation systems.
4. Estimating time, materials and equipment required to perform assigned duties.
5. Preparing and maintaining basic records accurately.
6. Communicating effectively, both orally and in writing.
7. Understanding and following written and oral instructions.
8. Operating a computer and other standard office equipment and using spreadsheet, word processing and enterprise software.
9. Maintaining sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds of community college students, faculty, and staff.
10. Establishing and maintaining effective working relationships with those encountered in the course of work.

WORKING CONDITIONS.

Environmental Conditions: The employee frequently works in outside weather conditions, near moving mechanical parts, and on slippery and uneven surfaces. The employee is frequently exposed to wet or humid conditions, fumes or airborne particles, toxic or caustic chemicals, and risk of electrical shock. The noise level in the work environment is frequently loud.

Physical Conditions: Essential and marginal functions may require physical fitness requirements necessary to perform the job functions with or without accommodation, such as the ability to sit, stand and walk for prolonged periods; stoop, kneel, crouch or crawl; use hands to repetitively finger, handle and operate equipment; and reach with hands and arms. The employee must regularly lift and/or move up to 50 pounds, and occasionally over 100 pounds. Requires operation of District vehicles.

TERMS OF EMPLOYMENT.

The duration of any fully restricted funded position in this classification is dependent upon the continuation of funding.