



CLASS SPECIFICATION

Class Code: 60004028
Date Established: 09/1996
Last Reviewed: 01/2022
Last Revised: 01/2022
Last Title Change:
FLSA: non-exempt
Probation: 6 months

IRRIGATION SPECIALIST

DEFINITION

Under general supervision, installs, maintains, and repairs irrigation systems in County parks, facilities, and landscaped areas; and performs related duties as required.

EXPERIENCE AND TRAINING REQUIREMENTS

Three years of full-time experience in the installation, repair, and maintenance of commercial irrigation systems; OR an equivalent combination of related training and experience.

LICENSE OR CERTIFICATE

A valid driver's license is required at the time of appointment.

Backflow Assembly Tester certification is required within six months of appointment

SUPERVISION EXERCISED

Exercises no direct supervision; may provide work coordination and direction for other staff.

EXAMPLES OF DUTIES *(The following is used as a partial description and is not restrictive as to duties required.)*

Read and interpret design print and specifications of pipes, valves, heads, electric, hydraulic or manual control systems for the purpose of installing, repairing and maintaining irrigation systems.

Repair irrigation systems to include use of design prints to locate the system, diagnose problems, locate and correct the problems.

Requisition materials and supplies for maintenance and repair of irrigation systems.

Operate, program and troubleshoot computerized irrigation systems including installation and repair of central control units, memory boards, sensors and master valves.

Install/remove and test irrigation pumps.

Maintain an inventory of tools and irrigation system parts used for routine repairs.

Install, repair, maintain and perform tests on backflow devices.

Install, troubleshoot, or replace worn, damaged or defective mainlines, heads, valves, and controllers.

Maintain and update maps, as-builts, and plans/specifications of park irrigation systems.

Maintain and compile written records/reports of irrigation systems activities.

Inspect irrigation systems installed by staff or outside contractors at golf courses and other park facilities and recommend maintenance, repair or modification as needed.

Provide lead direction over park maintenance staff in the installation and repair of irrigation systems.

Perform Park Maintenance Worker functions when necessary.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Full Performance *(These may be acquired on the job and are needed to perform the work assigned.)*

Knowledge of:

County and departmental policies, practices, and procedures.

Irrigation system locations owned and maintained by the County.

Entry Level *(Applicants will be screened for possession of these through written, oral, performance or other evaluation methods.)*

Knowledge of:

Irrigation system designs used to obtain proper water coverage of turf, tree and shrub areas including sizing of pipe.

Computerized irrigation systems that utilize weather data to determine water delivery.

Types of valves and heads to utilize, and their proper placement.

Types of various fittings used in 3” and larger mainline assembly or repair and their proper application.

Methods used to calculate water pressure both at the source and the head.

Basic electrical principles using continuity and voltage.

Types of controllers to utilize and proper wire size for electrical distribution.

Names, functions and characteristics of irrigation parts and systems and the tools and motorized equipment used to install and maintain the system.

Symbols and terminology used in the design of irrigation systems.

Backflow devices and operation.

Irrigation requirements for turf, trees, shrubs, and other landscaping.

Turf management, including seeding, sodding, fertilizing and turf diseases.

General soil science.

Basic computer skills.

Ability to:

Read and interpret irrigation system design prints.

Operate, program, and troubleshoot computerized irrigation systems.

Monitor and interpret the condition of turf, trees and other landscaping and program the computerized irrigation system accordingly.

Use and care for the tools and equipment used in the installation, repair, and maintenance of irrigation systems.

Diagnose and repair irrigation system problems.

Lead the work of other park maintenance workers in the installation, repair, and maintenance of irrigation systems.

Obtain certification of Backflow Prevention Tester (AWWA).

Establish and maintain effective working relationships with those contacted in the course of work.

SPECIAL REQUIREMENTS *(Essential duties require the following physical skills and work environment.)*

Ability to work outside in various types of weather; to operate common hand tools and motorized equipment; to drive a motor vehicle to various work sites; to lift materials and equipment weighing up to 50 pounds; and sufficient stamina to stand, walk, and perform physical labor for extended periods of time.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards.