CLASS SPECIFICATION

IRRIGATION SPECIALIST

DEFINITION

Under general supervision, install, maintain, and repair irrigation systems in County parks, facilities, golf courses, and landscaped areas. Performs related duties as required.

EXPERIENCE AND TRAINING REQUIREMENTS

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

LICENSE OR CERTIFICATE

Valid driver’s license.

SUPERVISION EXERCISED

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.

Replace worn, damaged, or defective heads, valves, and controllers.

Maintain and update maps, as-builts, 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.

May function as a lead worker over other park maintenance staff in the installation and repair of irrigation systems.
May function as a lead worker in absence of supervisor.

May perform Grounds 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.

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.

**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.*

Approved _______ WERCCS Job Evaluation Committee ___________ Date __ March, 2001__