



**IRRIGATION TECHNICIAN  
JOB DESCRIPTION**

JOB TITLE: Irrigation Technician	CLASSIFICATION: Service/Maintenance	IMMEDIATE SUPERVISOR: Parks or Public Works Superintendent, Park Supervisor
PAY GRADE: 116	DEPT: 7200/4100	STATUS: <u>FT</u> <u>PT</u> EXEMPT <u>NON-EXEMPT</u> BARG UNIT <u>NON-BARG UNIT</u>

**JOB SUMMARY:** An advanced and/or lead position which performs a variety of highly skilled work in the installation, maintenance and repair of large, complex irrigation systems and their related components, as well as interactive water features, fountains and or other bodies of water at Village Parks, Buildings, Village facilities, athletic fields, common areas, landscaped medians, etc.

**SUPERVISION EXERCISED:** Some supervision performed; acts as crew chief in coordinating tasks of General Maintenance Workers I & II on specific projects as needed.

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Installs and maintains all phases of irrigation systems including pumps, motors, valves, hydraulics, mechanical components, electronic zone controllers, sprinkler heads, and all related piping.
- Maintains control panels consisting of starters, phase monitors, timers, flow meters and hydraulic pressure control valves.
- Keeps log book for all activities at each system.
- Adjusts, repairs and replaces all components associated with decorative floating aerator fountains, interactive and aesthetic fountains or water features.
- Works with related tradespersons in the installation and modification of various sized irrigation systems.
- Monitors systems daily and makes necessary adjustments as needed at the request of the Public Works Superintendent or Parks Superintendent/Supervisor to ensure proper turf control.
- Installs Irrigations systems, assembles pipes, valves, timing devices, program controllers and other related hardware and software.
- Meets state and municipal codes on water restrictions and water times.
- Performs inspections and water testing of interactive water features throughout the Village.

**OTHER DUTIES:**

- Performs other related duties as required.

**DESIRED MINIMUM QUALIFICATIONS:**

Education and Experience:

- High school diploma or equivalent, and

- At least 2 years working on large irrigation or sprinkler systems, or related plumbing equipment and pumps
- Any related combination of training and experience.

Knowledge, Skills and Abilities:

- Considerable knowledge of the operating principals of pressure, flow and capacities as related to water distribution systems.
- Considerable knowledge of the practices, methods, materials, and tools of the irrigation trade.
- Ability to troubleshoot electrical systems as related to irrigation.
- Ability to troubleshoot and repair electric pump motors up to 25 horsepower, including impellers, seals, bearings, start and run capacitors, and check valves.
- Ability to troubleshoot and repair electronic controllers and related components consisting of micro switches, drive motors, timers, coils and solenoids.
- Ability to read and thoroughly understand blueprints and schematics, do pipe locates.
- Ability to work with hands and to work in mechanically oriented situations.
- Ability to distinguish between different types of foliage, plants and trees.
- Ability to maintain accurate daily logs and prepare reports as necessary.
- Ability to communicate effectively with the public, peers and subordinates; to respond to inquiries and to create reports which reflect information gathered.
- Considerable knowledge of the principles, practices and techniques of grounds maintenance, or a related field.
- Considerable knowledge of safety hazards and applicable safety precautions.
- Skill in the use of common hand tools and mechanical equipment.
- Ability to understand, follow and implement oral and written instructions.
- Ability to establish and maintain effective working relationships with other employees, and the general public.

**SPECIAL REQUIREMENTS:**

- Valid Florida State driver's license, or ability to obtain one by date of hire; No more than two moving violations within a 12 month period; No more than six violation points on your license within a 24 month period.
- Aquatic Facility Certification (AFO) from the National Recreation and Park Association or Pool/Spa Operator (CPO) or similar certification for interactive water features or ability to get one within twenty four months of hire. (applicable only to Parks & Recreation Dept.)
- Some experience in the operation and routine maintenance of moderately heavy equipment;

**PHYSICAL DEMANDS:**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to use hands and fingers to manipulate, handle, feel or operate objects, tools, or controls, and reach with hands and arms. The employee is frequently required to stand and walk, trench, dig, crouch, kneel and bend. The employee is occasionally required to sit, climb, balance, stoop, or crawl, and talk or hear.

The employee must frequently lift and/or move up to 50 pounds, occasionally lift and/or move more. Specific vision abilities required by this job include close vision, distant vision, color vision, or shades of color, peripheral vision, depth perception, and ability to adjust focus. In addition, the employee must be able to rotate neck frequently, extend arms overhead frequently, and turn completely around from fixed stance.

**TOOLS & EQUIPMENT USED:**

Plumbing equipment, small motorized injection/pump systems, specialized gas/electric powered tool and equipment relation to job functions, trucks, tractors, graders, grade-alls, backhoes, and other associated equipment used in the parks structures or in public works facilities and projects. Computer equipment, printer, scanner, email, phone, controllers, software associated with sprinkler systems, timers.

**ENVIRONMENTAL CONDITIONS:**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee regularly works in outside weather conditions, and is frequently exposed to wet and/or humid conditions, toxic or caustic chemicals, fumes, vibration, dust, pollen, airborne particles, rain, traffic hazards, bright/dim light and temperature extremes. The employee frequently works in high, precarious places, and regularly works near moving mechanical parts. The employee is occasionally exposed to risk of electrical shock. The noise level in the work environment is usually loud.

**SELECTION GUIDELINES:**

Formal application, evaluation of education, training and experience; oral interview and reference check; job related tests may be required in addition to background, criminal and DMV check. The Village is a Drug Free Workplace and an Equal Opportunity Employer.

The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.

The job description does not constitute an employment agreement between the employer and employee, and is subject to change by the employer as the needs of the employer and requirements of the job change.

**HISTORY:**

Created: 10-1-16