

**CITY OF HUNTINGTON BEACH**  
**CLASS SPECIFICATION**



**TITLE: IRRIGATION SPECIALIST**

**PERSONNEL COMMISSION APPROVAL: (Revised)**

**COUNCIL APPROVAL: DECEMBER 2001**

**JOB CODE: 0357**

**EMPLOYMENT STATUS: REGULAR FULL-TIME**

**UNIT REPRESENTATION: HBMT**

**FLSA STATUS: NON-EXEMPT**

**EEOC CODE: SKILLED CRAFT WORKERS**

**JOB SUMMARY**

Under general supervision, installs, inspects, and repairs automated irrigation systems.

**SUPERVISION RECEIVED**

Reports to: Landscape Supervisor

**DISTINGUISHING CHARACTERISTICS**

Differs from Maintenance Service Worker in that the Irrigation Specialist performs maintenance, repair and installation of automated irrigation systems while the Maintenance Service Worker performs a variety of semi-skilled tasks in the maintenance of City parks, roadways and other public areas.

**EXAMPLES OF ESSENTIAL DUTIES**

- Operates, inspects, and repairs all components of smart and automated irrigation systems at landscaped sites, including automatic controllers, valves, water mains, lateral lines, sprinklers, pumping systems, and backflow devices
- Installs smart or automated irrigation systems; inspects and repairs pumping and filtration systems at park sites with lakes; makes modifications or additions to existing irrigation systems as requested
- Excavates and repairs broken or damaged water main lines as needed to eliminate hazardous conditions
- Excavates, forms, and pours concrete pads for pump enclosures and controllers; cuts, removes, and patches sidewalks and other concrete areas to make necessary repairs on irrigation components

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- Traces, locates, excavates, and repairs low voltage direct burial wiring
- Confers with contractors to direct and inspect new irrigation projects
- Checks daily schedule and service requests for work to be completed; inspects equipment and reports safety hazards and maintenance problems;
- Operates truck with trailer, trencher, backhoe, loader, and water truck; drives related equipment to and from job sites
- Operates a variety of power and pneumatic hand tools and equipment such as generators, concrete saws, mixers, coring tools, jackhammers, pressure washers, air compressors, torch welding equipment, and boring and soil compaction tools; uses leak and line locators and hand tools
- Completes time records and safety reports; requests supplies and materials as needed
- Reports to work as scheduled; works a variety of schedules including evenings, weekends, and holidays as required Maintains a regular and consistent attendance record
- Travels to offsite locations within and outside the City
- Performs other related work as assigned

*The preceding duties have been provided as examples of the essential types of work performed by positions within this job classification. The City, at its discretion, may add, modify, change or rescind work assignments as needed.*

### **MINIMUM QUALIFICATIONS**

#### **Knowledge of:**

- Principles, practices and procedures for the installation and repair of smart and automated irrigation systems
- Plumbing and irrigation concepts and techniques
- Machinery, equipment, and tools necessary to perform work Principles of hydraulics
- Electrical and electronic testing and detection procedures
- Basic horticulture knowledge for watering needs, vegetation, soil, and moisture conditions; water conservation methods
- Controller programming procedures
- Traffic safety laws and regulations and proper vehicle operations
- Safety and basic repair procedures

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**Ability to:**

- Read and understand blueprints
- Read and follow work orders and instructions
- Use hand and power tools, including hydraulic jackhammers and other heavy tools
- Oversee the work of contractors and other maintenance personnel working with irrigation systems
- Follow safety practices and recognize hazards
- Maintain accurate records
- Communicate effectively orally and in writing
- Establish and maintain cooperative professional work relationships with those contacted in the course of work
- Meet work deadlines
- Report to work as scheduled and provide regular and predictable onsite attendance

**Education:** High school diploma or equivalent certificate.

**Experience:** Two (2) years' experience in irrigation installation, maintenance and repair or water systems maintenance and repair.

**Certifications/License:**

- A valid California Class C driver license with an acceptable driving record required by time of appointment
- Must obtain a California Class B driver license within twelve months of appointment
- Irrigation Technician Certificate issued by the Irrigation Association desirable

**SPECIAL CONDITIONS**

Positions in this classification are deemed safety sensitive under Department of Transportation (DOT) and Federal Motor Carrier Safety Administration (FMCSA) drug and alcohol testing regulations.

Employees regularly assigned/required to drive a city or personal vehicle in the course and scope of work shall be required to participate in the DMV Employer Pull Notice program.

**Public Employee Disaster Service Worker:** In accordance with Government Code Section 3100, all Huntington Beach city employees are required to perform assigned disaster service worker duties in the event of an emergency or a disaster.

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**PHYSICAL TASKS AND ENVIRONMENTAL CONDITIONS**

Incumbents must be able to meet the physical requirements of the class and have mobility, balance, coordination, vision, hearing and dexterity levels appropriate to the duties to be performed.

Work is primarily performed outdoors (field work) with exposure to the weather and may also include contact with hot and cold surfaces, loud noises from equipment and vehicle engines, vibrations, working in close proximity to moving mechanical parts (mechanical hazards), electrical current (electrical hazards), vehicular traffic and confined spaces. Exposure to potential natural irritants such as vegetation, dust, soil, tree pollens, and sawdust. May be exposed to chemicals including but not limited to, gasoline, diesel, motor oil, grease, ammonia, bleach, cleansers, volatile organic compounds, fertilizers and non-restricted pesticides. Must be able to stand for long periods and/or walk long distances; some walking may occur on sloping, slippery and/or uneven surfaces; requires mobility to sit, stand, kneel, crawl, climb, crouch, stoop, reach, and bend; requires ability to twist at the lower body, at the waist, and at the upper body. Requires mobility of both arms to reach and dexterity of hands to grasp and manipulate small and large objects or tools, from overhead to the ground positions. Work involves grasping, lifting, pushing, pulling, moving and dragging of objects which may weigh approximately 50 pounds and up to 100 pounds with the use of proper equipment or assistance. Requires hand, arm, and upper body strength to operate power equipment. Required to wear protective apparel including hardhats, gloves, goggles, respirators, face protectors, ear protection, aprons, coveralls, chain saw chaps, and steel toed shoes. May be required to work at heights above ground level or in confined spaces. Incumbent may be required to respond to after-hours emergency situations. Reasonable accommodation(s) for an individual with a qualified disability will be considered on a case-by-case basis.

Rev July, 2022/pa