

**MAJOR FUNCTION**

This is highly skilled and technical work wherein incumbents use the knowledge, skills and abilities acquired at the lower level Underground Technician job classifications to: (1) expertly perform specific duties or a combination of the duties of the lower classifications in water and/or wastewater, when assigned; (2) operate specialized or highly complex equipment requiring high operator proficiency; or (3) perform specialized duties on equipment requiring manufacturer certification. Position incumbents are engaged in the construction, operation, and maintenance of water distribution, and/or wastewater collection facilities and systems. Positions allocated to this classification work under general supervision and are given general work requirements. Work in this class is distinguished from that of lower classes by the level of technical responsibility assigned to the job class incumbents and their ability to work with limited direction during the absence of the supervisor. Class incumbents are expected to exercise considerable independent judgment in making the technical decisions to carry out their job responsibilities.

**ESSENTIAL DUTIES**

As deemed appropriate for any position in this classification: Performs maintenance, repair, installation and/or troubleshooting on water meters, valves, backflow prevention devices, meter boxes, manholes, hydrants and other associated water and/or wastewater components, as is applicable. Uses hand tools, power tools, pressure gauges, and/or electronic equipment, locators, calibration and leak detection devices to perform a variety of tasks in water and/or wastewater systems, as assigned. Performs entrant and attendant work in water and/or wastewater, confined spaces, excavations and trenching. Enters water and/or wastewater structures, including but not limited to manholes, meter pits, and vaults, to perform assigned tasks. Performs pipe joining, pipefitting, and fire hydrant installation. Operates a computer for work order review and completion and reads/interprets geographical information systems (GIS) data. Keeps records, as required. May train and provide coaching to other crew members performing related work on specified jobs. Will be required to respond under emergency conditions. May be required to provide after normal working hours on-call and/or standby duty. Performs other related work as required.

Journey Level Water and Wastewater Technicians (Employees hold either an Advanced License/Certification or holds both a Water Distribution License and Wastewater Collection Certification): Performs work at the journey level in the maintenance and repair of water and/or wastewater facilities and systems. Sets meters, builds/raises manholes using journey level concrete and brick construction techniques. Operates and maintains trucks, and other motorized equipment used in the construction of water and/or wastewater systems. Expertly operates various water and/or wastewater equipment such as tapping machines, pipe saws, rodding equipment, high pressure jetting and vac-trucks, televising, pipe grouting, and other equipment. Performs other related work as required.

Specialized Equipment Operation (Equipment Operator III and TV Camera Tec–PACP Certified): Performs work at the journey level in the maintenance and repair of water and/or wastewater facilities and systems by expertly operating the heaviest and/or most complex specialized equipment such as excavators, rubber tire backhoes, TV cameras, etc. Consults with supervisor and offers suggestions for effective and efficient completion of jobs in which

the specialized equipment is used. Cuts slopes and new grades in accordance with measurements and specifications. Completes light maintenance on assigned equipment and ensures that equipment is cared for in accordance with vendor's preventative maintenance schedule. Performs other related work as required.

Manufacturer Certified (Water Measurement Technician): Performs specialized work at the journey level in the maintenance and repair of water and/or wastewater facilities and systems using the knowledge, skills and abilities associated with a regulated trade or specialty that requires independent manufacturer licensing or certification. Reviews work orders and inputs them in to customer information system. Troubleshoots, repairs and rebuilds water meters using air tools and bead blaster. Tests and calibrates water meters. Uses test bench to test water meters and set up parameters to test different meters, as situations dictate. Splices, troubleshoots and programs water modules with Hand-held computer. Uses Route Manager to download marriage files from Handhelds. Uses Route Manager to set up routes for Meter Service Technicians to use in field. Uses Energy Axis Management System to upload marriage files into database. Trains and provides support to Meter Service Technicians on using Handhelds and programming modules. Sets up Installation Definitions for new meters in Route Manager. Puts new meters into inventory and sets up meter configuration in Customer Information System. Orders various size meters and parts, also sets up meter configuration with meter vendors. Works with vendor's support group to troubleshoot hardware and software issues. Keeps inventory and tools available for service trucks in order to keep trucks stocked. Goes into field to test and troubleshoot meters and water modules. Works field orders when staff is short or under heavy workload. Completes work orders on a daily basis. Attends weekly Advanced Metering Infrastructure meetings and participates in scheduled phone conferences. Uses appropriate Microsoft Office applications to set up spreadsheets and other documents used in work. Assists pipe cleaning crew when needed. Maintains and tests backflow prevention devices (age, test data and cost of repairs). Maintains water meter records (recording, consumption, date of test and age) and prepares daily reports. Locates existing water pipes with metallic pipe location devices. Rebuilds and/or replaces old water meters. Performs other related work as required.

### **OTHER IMPORTANT JOB DUTIES**

Serves as field instructor for lower level technicians. Attends training and continuing education sessions. Performs other related work as required.

### **DESIRABLE QUALIFICATIONS**

#### **Knowledge, Abilities and Skills**

Knowledge of occupational hazards and accident prevention methods in assigned area of responsibility. Knowledge of wastewater collection or water distribution utility work. Ability to communicate effectively, both orally and in writing. Ability to work effectively with co-workers and the general public. Ability to operate a computer and related programs and applications necessary for successful job performance. Ability to safely perform heavy lifting, pushing, pulling, climbing, standing, and squatting for long periods of time. Ability to expertly use all manual and electric tools and equipment required to complete work assignments. Ability to work in an environment that may include extreme heat and confined areas, hazardous

conditions, noxious chemicals, and exposure to prolonged high noise levels requiring the use of personal protective equipment. Ability to perform tasks outdoors under varying climatic conditions. Ability to use respiratory protection equipment in compliance with OSHA regulations. Skills in the use of specialty tools and equipment used in maintenance, repair or construction work.

**MINIMUM TRAINING & EXPERIENCE**

Two years of experience as an Underground Utility Technician II, or in an equivalent position, in an area that involves:

Journey Level Technicians: utility distribution or collection, maintenance and repair.

Specialty Equipment Operations: utility construction, maintenance or repair and/or operation of specialized utility construction, maintenance or repair equipment.

Water Measurement Technicians: testing, repairing and calibrating water meters.

**NECESSARY SPECIAL REQUIREMENTS**

In accordance with the designation for positions assigned to this class, incumbents must, at the time of appointment:

Have completed all required internal training for Underground Utility Technician I and II; and

Possess a Class "A" State Commercial Driver License (CDL) and endorsement(s) (CDL) and maintain same as a condition of continued employment; and

Possess and maintain the designated current Florida Water and Pollution Control Operator's Association (FWPCOA) Collections Certification and/or Florida Department of Environmental Protection Distribution License, as a condition of continued employment.

(Journey Level Technicians) must hold entry level water and sewer certifications or an advanced sewer certification (level B or higher) or an advanced water distribution license (level II or higher).

Utility Camera Operators must hold a water or sewer certification and be Pipeline Assessment Certification Program (PACP) certified.

Other Specialty Equipment Operators must hold a water or sewer certification or license and have passed the internal training for equipment operation.

Water Measurement Technicians must hold water certification and acquire (within 90 days or term of probation) and maintain certification by manufacturer for water meter testing, calibration and repair.

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