



# City of Watsonville

## Job Description

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**JOB TITLE:** Water Services Technician III

**DATE APPROVED:** February 14, 2017

**DEPARTMENT:** Public Works and Utilities

**SUPERSEDES:** N/A

**REPORTS TO:** Water Services Manager

**SUPERVISION:** May oversee and direct work of others

**EMPLOYEE UNIT:** OE3

**FLSA:** Non-exempt

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### JOB SUMMARY:

Performs a variety of semi-skilled and skilled assignments in the construction, maintenance, and repair of City water distribution system, mains, services and other water related apparatuses; and performs related work as assigned. Install, maintain, repair, fabricate and modify pipelines, valves, hydrants, air-vacs, backflow devices, fire lines and services of City pipelines and facilities. Provide miscellaneous support to other operations and maintenance crews. Positions in this classification are assigned on a work crew that may work on City streets, storm drains, sewer systems when needed.

### DISTINGUISHING CHARACTERISTICS:

This job classification functions at the journey level and is distinguished from the Water Services Technician II in increased level of responsibility for the coordination of work of others in the accomplishment of specific projects. Employees in this classification may also be assigned to work alone on assigned projects. Employees in this classification receive limited to no supervision within a framework of standard policies and procedures.

### EXAMPLES OF ESSENTIAL DUTIES:

Duties may include, but are not limited to, the following:

- Perform appropriate installation, repair, modification or fabrication of various City pipelines per City specifications
- Installs, repairs, and maintains streets, sewers, storm drains, fire hydrants, or water mains
- Ability to identify and use transition couplings, full circle repair clamps, pipeline adapters, compression fittings and other water related repair materials.
- Familiarity with ductile iron, asbestos concrete, copper, brass, and plastic pipes.
- Ability to use gas detectors, jackhammer, compactor, chipping gun, cutoff saw, tapping machine, saw cutter, silver solder, gas torch, boring machine, cement mixer, welder, compressor, pipe freezer, generator, pumps, rotary hammer.
- Ability to operate or familiar with dump truck, forklift and a variety of other hand and power tools, as well as heavy equipment including backhoe, skid loader, excavator, water truck and

compaction roller

- Performs basic construction inspection to ensures compliance of City standards by construction contractors relating to underground utilities
- Operates and maintains water valves
- Performs flow tests for the fire department, businesses, property owner
- Flushes water mains and fire hydrants
- Collects water samples from the distribution system and delivers them to laboratory for analysis
- Performs the full range of maintenance, repair, and construction work assignments
- Assigns, directs, trains and monitors the work of others in the safe and proper completion of a wide variety of maintenance, repair and construction projects
- Operates a variety of light, medium and heavy equipment
- Determines quantity and type of tools, materials, equipment and labor needed for assigned work
- Reads blueprints and surveyor stakes
- Performs routine maintenance and safety checks on assigned equipment and vehicles; reports the need for major mechanical repairs
- Uses a variety of hand and power tools
- Maintains records and prepares records as assigned
- Informs others concerning status of work completed
- Performs general maintenance duties
- Performs related duties as assigned
- Installs and repairs water and sewer mains, streets, storm drains and hydrants
- Operates a backhoe, dump truck, welding equipment, jack hammer and tamp
- Prunes and removes trees when needed
- Performs AC paving and concrete finishing
- Serves as rotating on-call response person for field service duties
- Constructs/maintains berms, roads, pads and drainage facilities such as ponds
- Operates tractors, compactors, scrapers, graders, dump trucks, water tank trucks and service trucks

#### **Additional Duties of Water Services Technician III Assigned to Underground Service Locating**

- Locates underground utilities including water, sewer, storm drain, telephone, fiber optics, electric lines, gas lines using specialized equipment
- Maintains computerized records for underground service locates
- Operates and maintain underground service locating equipment
- Coordinates utility locating with contractors, other utility companies, other City personnel, businesses and the public
- Performs basic construction inspection to ensures compliance of City standards by construction contractors relating to underground utilities
- Operates and maintains water valves
- Performs flow tests for the fire department, businesses, property owner
- Flushes water mains and fire hydrants

- Collects water samples from the distribution system and delivers them to laboratory for analysis
- Knowledge and skills to operate the valve operating truck
- Maintains computerized records of hydrant and valve data
- Coordinates and notifies flushing schedule internally and externally (i.e. contractors, other utility companies, other City personnel, businesses and the public)

#### **EMPLOYMENT STANDARDS:**

##### **Knowledge of:**

- the safe operation and basic repair of a variety of maintenance and construction equipment
- methods, materials and practices used in public works and utilities maintenance and construction activities
- use of hand tools
- safe work practices

##### **ABILITY TO:**

- read blueprints, plans and surveyor stakes
- safely and effectively operate light, medium and heavy maintenance and construction equipment
- perform complex equipment operation assignments in a variety of maintenance and construction situations
- perform skilled and unskilled public works maintenance and construction work
- understand and follow oral and written directions in an independent manner
- direct, train and monitor the work of others
- use a keyboard
- drive an automobile and heavy equipment
- hear and distinguish various sounds, such as voices of co-workers in noisy environments, pager, cell phone, etc.
- work outdoors in adverse weather conditions
- establish and maintain effective work relationships with those contacted in the performance of required duties

#### **PHYSICAL REQUIREMENTS:**

Physical requirements described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

- Meet the physical requirements necessary to safely and effectively perform required duties
- hear and distinguish various sounds, such as voices of co-workers in noisy environments and sounds of operating equipment
- drive an automobile
- hear adequately to converse on the telephone, radio, cellular phone, and in person

- use a computer keyboard
- intermittently bend, twist, and reach
- get in and out of a truck
- Safely and effectively work on ladders and tall structures
- Be exposed to chemicals, bacteria and influent.
- Climb up and down ladders and stairs.
- Grasp with right and left hands.
- Use fine hand manipulation.
- Perform manual labor involving frequent bending, pulling, pushing, lifting, squatting, twisting, turning, climbing and carrying of weights up to 50 lbs.
- Hear and distinguish various sounds, such as abnormal equipment sounds, voices of co-workers in noisy environments, pager, cell phone, etc.
- walk on uneven surfaces.
- work outside in inclement weather
- Operate large heavy equipment while sitting for prolonged periods of time in outdoor environments and subject to all weather conditions
- work under conditions as confined spaces, high noise levels, strong and unpleasant odors, vibration from equipment, exposure to dust, toxic substances and/or chemical irritants (within legal exposure limits)
- distinguish colors
- reach above and at shoulder height
- perform physical tasks involving frequent bending, lifting, carrying, pushing and pulling of weights up to 50 pounds
- safely and effectively operate light, medium and heavy maintenance and construction equipment

### **TRAINING AND EXPERIENCE:**

Any combination of training and experience, which would provide the required knowledge and abilities, is qualifying. A typical way to obtain the knowledge and abilities is:

- Minimum of three years of experience comparable to that of a Water Services Technician II with the City of Watsonville
- Employees assigned to Underground Service Locating must be fully knowledgeable about the dynamics of the distribution system.

### **LICENSE & CERTIFICATION:**

- Possession of a Class A California Driver's License with the following endorsements: tankers, double-triples and airbrake, and a safe driving record
- Possession of a Grade-III State Water Resource Control Board Water Distribution Operator Certification is required