



**Code: 8301**  
Family: Construction, Maintenance, and Skilled Labor  
Service: Operation and Construction  
Group: Street, Water, Sewer, and Disposal  
Series: Water and Sewer Maintenance and Construction

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## **CLASS TITLE: CAULKER**

### **CHARACTERISTICS OF THE CLASS**

Under direct supervision, assists in the installation and maintenance of pipe for water services and water mains, and the repair of underground leaks in the municipal water distribution system, and performs related duties as required.

Class is a multi – rate title; rate of pay to individual positions is dependent on the number of work hours completed.

### **ESSENTIAL DUTIES**

- Reads work orders and inspects work sites to assess extent of work required and to determine installation and repair methods to use in the removal and replacement of damaged, defective, or obsolete materials (e.g., piping, plumbing fixtures, valves, water meters, buffalo boxes, hydrants, and related equipment)
- Ensures adequate supplies of tools and materials needed to remove repair damaged or broken water mains are at work sites
- Operates control water supply in preparation of installation and repair work
- Installs repair clamps and cuts pipe to remove and replace damaged and defective piping
- Assists work crews in the installation of new water main pipes
- Connects and reconnects length of pipe with appropriate fittings and makes and seals joints using hand and pneumatic caulking tools
- Repairs and replaces water valves, fire hydrants and other appurtenances found in water distribution systems
- Operates specialized equipment and tools (e.g., pipe threaders, pipe cutting machines and cutting torches)
- Prepares work activity reports

**NOTE:** *The list of essential duties is not intended to be inclusive; there may be other duties that are essential to particular positions within the class.*

### **MINIMUM QUALIFICATIONS**

#### **Education, Training, and Experience**

- Three years of work experience in a field position involving the installation and repair of water mains and/or other related pipe systems

#### **Licensure, Certification, or Other Qualifications**

- A valid State of Illinois Driver's license

### **WORKING CONDITIONS**

- Exposure to outdoor weather conditions
- Exposure to loud noise, fumes or dust
- Exposure to hazardous conditions (e.g., construction sites, heavy machinery)
- Work performed in cramped or confined locations

- Work performed above or below ground level

### **EQUIPMENT**

- Personal protective equipment (e.g., hard hat, work boots, glasses, gloves)
- Safety devices or equipment (e.g., cones, barricades, metal plates, scaffolding, ropes)
- Measuring tools (e.g., tape measure, ruler, calipers, measuring wheel)
- Standard tools and equipment (e.g., hammer, screwdriver, saw, pipe cutter, threader, welding equipment, torches)
- Two-way radio

### **PHYSICAL REQUIREMENTS**

- Heavy lifting (up to 75 pounds) is required
- Ability to walk and stand for extended or continuous periods of time
- Ability to quickly bend, stretch, twist, or reach out with one's body, arms, and/or legs
- Ability to access difficult to enter spaces
- Ability to operate applicable hand tools, power tools, and equipment
- Ability to climb staircases, ladders, and/or step stools

### **KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS**

#### **Knowledge**

Some knowledge of:

- methods and techniques used in laying of pipe and the repair of leaks in water distribution systems
- work methods in the sealing of joints and the caulking of pipes
- use of safety equipment and protective gear
- applicable federal, state, and local laws, regulations and guidelines

Knowledge of applicable City and department policies, procedures, rules, regulations, and ordinances

#### **Skills**

- \*ACTIVE LISTENING - Give full attention to what other people are saying, taking time to understand the points being made, ask questions as appropriate, and not interrupt at inappropriate times
- \*ACTIVE LEARNING – Understand the implications of new information for both current and future problem-solving and decision-making
- \*COORDINATION WITH OTHERS - Adjust actions in relation to others' actions
- \*EQUIPMENT SELECTION – Determine the kind of tools and equipment needed to do a job

#### **Abilities**

- COMPREHEND ORAL INFORMATION - Listen to and understand information and ideas presented through spoken words and sentences
- SPEAK - Communicate information and ideas in speaking so others will understand
- RECOGNIZE PROBLEMS - Tell when something is wrong or is likely to go wrong

- REASON TO SOLVE PROBLEMS - Apply general rules to specific problems to produce answers that make sense

**Other Work Requirements**

- STAMINA - Demonstrate energy and stamina to accomplish work tasks
  - DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
  - ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks
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All employees of the City of Chicago must demonstrate commitment to and compliance with applicable state and federal laws, and City ordinances and rules; the City's Ethics standards; and other City policies and procedures.

The City of Chicago will consider equivalent foreign degrees, accreditations, and credentials in evaluating qualifications.

\* May be required at entry.

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City of Chicago  
Department of Human Resources  
August, 2018