



Code: 4403

Family: Construction, Maintenance, and Skilled Labor

Service: Operation and Construction

Group: Building, Custodial, and Operation

Series: Masonry Trades

CLASS TITLE: SEWER BRICKLAYER

CHARACTERISTICS OF THE CLASS

Under supervision, lays bricks, concrete blocks, sewer pipes, and tile to construct and repair sewer mains and related appurtenances, and performs related duties as required

ESSENTIAL DUTIES

- Builds and restores catch basins, gutter boxes, manholes, and other appurtenances using brick, concrete block, and tile
- Lays brick and rebuilds manholes and basins
- Directs assigned crew members in the excavation of street surfaces to locate broken or deteriorated sewer masonry
- Assesses extent of repair work required and determines materials and equipment needed to complete jobs
- Supervises laborers in the mixing of mortar prior to construction or repair work
- Repairs and replaces outlet and inlet pipes to facilitate water drainage
- Connects drain pipes and catch basins to main sewer lines and seals connections
- Builds templates and marks guidelines for the proper positioning of bricks
- Directs laborers in the loading of debris onto trucks and in the backfilling of excavated work sites to restore streets
- Ensures safety regulations and procedures at work sites are being followed
- Maintains project time and material records and prepares related 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

- Successful completion of a US Department of Labor registered bricklayer apprenticeship training program and journeyman status; or an equivalent combination of education, training, and experience

Licensure, Certification, or Other Qualifications

- None

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 below ground level

EQUIPMENT

- Personal protective equipment (e.g., hard hat, shoes, glasses, gloves, vest, pads)
- Safety devices or equipment (e.g., cones, barricades, metal plates, scaffolding, ropes)
- Ladders
- Standard tools and equipment of the cement masonry trade (e.g., trowels, floaters, screeds)
- Standard power and hand tools and equipment of the bricklaying trade (e.g., hammer, wrench, pliers, tuck pointing grinders, dry cutting and shrouded saws, chisels, wire brushes, pointing trowels)

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 climb staircases, ladders, and/or step stools
- Ability to operate applicable hand tools, power tools, and equipment

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS

Knowledge

Moderate knowledge of:

- *applicable hand and power tools and masonry equipment (e.g., trowels, floaters, screeds)
- properties and characteristics of masonry materials
- *masonry construction and masonry repair and maintenance principles, theory, methods, and procedures
- *use of safety equipment and protective gear
- applicable safety and code standards specific to sewer construction and the masonry trade, including OSHA standards

Some knowledge of:

- use of sewer system equipment and materials
- sewer repair and maintenance procedures
- excavation and backfilling methods, practices, and procedures
- applicable emergency operations

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

Skills

- *ACTIVE LEARNING - Understand the implications of new information for both current and future problem-solving and decision-making
- *ACTIVE LISTENING - Give full attention to what other people are saying, take time to understand the points being made, ask questions as appropriate, and not interrupt at inappropriate times
- *CRITICAL THINKING - Use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems

- *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
- COMPREHEND WRITTEN INFORMATION - Read and understand information and ideas presented in writing
- RECOGNIZE PROBLEMS - Tell when something is wrong or is likely to go wrong
- SPATIAL ORIENTATION - Know one's location in relation to the environment or to know where other objects are in relation to one's self

Other Work Requirements

- INITIATIVE - Demonstrate willingness to take on job challenges
- STAMINA - Demonstrate energy and stamina to accomplish work tasks
- ADAPTABILITY/FLEXIBILITY - Be open to change (positive or negative) and to considerable variety in the workplace
- DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
- ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks

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.

City of Chicago
Department of Human Resources
(Valtera Corporation)

Date: May, 2010