

**City of Lowell**  
**Job Posting**  
**Please Post: April 9, 2014**  
**Deadline: April 23, 2014**  
**Dept. of Public Works**  
**Plumbing Irrigation Specialist**

**Job Title:** Plumbing Irrigation Specialist (2000-37, 2010)  
**Department:** Public Works, Lands & Bldgs.  
**Reports To:** Commissioner, Deputy, General Foreman, Working Foreman & designated personnel.  
**FLSA Status:** Non-exempt  
**Union Status:** AFSCME 1705  
**Salary:** \$19.5645 (min) to \$22.2770 (max) per hour

**SUMMARY**

Assembles, installs, and repairs pipes, gas fittings & valves, fixtures of potable water, and drainage systems by performing the following duties.

**ESSENTIAL DUTIES AND RESPONSIBILITIES** include the following. Performs other similar duties as may be assigned.

- Inspects area irrigated to ensure adequate soaking and prevent waste of water.
- Opens head gate to permit entry of water into main ditches or pipes. Signals worker to start water flow.
- Digs holes and trenches as needed to install irrigation pipes, sprinklers, wires, etc. Removes excess materials from project when complete.
- Installs, programs and verifies the programmable irrigation clocks.
- Operates trenchers and vibratory plow to install pipe and wires for irrigation. Directs workers in cleaning and repairing ditches or pipes.
- Verifies addition of liquid fertilizer to irrigation ditches by commercial firm. Interprets policies to workers and enforces safety regulations.
- Suggests changes in working conditions and use of equipment to increase efficiency of work crew.
- Analyzes and resolves work problems, or assists workers in solving work problems. Performs activities of workers supervised.
- Studies building plans and working drawings to determine work aids required and sequence of installations.
- Inspects structure to ascertain obstructions to be avoided to prevent weakening of structure resulting from installation of pipe.
- Locates and marks position of pipe and pipe connections and passage holes for pipes in walls and floors.
- Cuts openings in walls and floors to accommodate pipe and pipe fittings. Cuts and threads pipe.
- Bends pipe to required angle by use of pipe-bending machine or by placing pipe over

block and bending it by hand. Assembles and installs valves, pipe fittings, and pipes composed of metals, such as iron, steel, brass, and lead, and nonmetals, such as glass, vitrified clay, and plastic.

- Joins pipes by use of screws, bolts, fittings, solder, plastic solvent, and caulks joints.
- Fills pipe system with water or air and reads pressure gauges to determine whether system is leaking.
- Installs and repairs plumbing fixtures such as sinks, commodes, bathtubs, water heaters, hot water tanks, garbage disposal units, gas fittings & valves, dishwashers, and water softeners.
- Repairs and maintains plumbing by replacing washers in leaky faucets, mending burst pipes, and opening clogged drains. Welds holding fixtures to steel structural members.
- Operates city vehicle.

### **QUALIFICATIONS**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

### **EDUCATION and/or EXPERIENCE**

Two to four years related experience and/or training performing duties as described above; or equivalent combination of education and experience.

### **LANGUAGE SKILLS**

Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write, maintain and present routine reports and correspondence. Ability to speak effectively.

### **MATHEMATICAL SKILLS**

Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals.

### **REASONING ABILITY**

Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

### **LICENSES AND/OR CERTIFICATION**

*Driver's license required. License/Certifications: MA Journeyman Plumber's License required.*

### **PHYSICAL DEMANDS**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to stand; use hands to finger, handle, or feel; reach with hands and arms; and stoop, kneel, crouch, or crawl. The employee frequently is required to walk, sit, climb or balance, talk or hear, and smell. The employee must frequently lift and/or move up to 50 pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, and ability to adjust focus.

### **WORK ENVIRONMENT**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently exposed to wet and/or humid conditions, toxic or caustic chemicals, and outside weather conditions. The employee is occasionally exposed to moving mechanical parts; high, precarious places; fumes or airborne particles; and risk of electrical shock. The noise level in the work environment is usually moderate.

The City of Lowell is a smoke and drug free employer and requires a physical with drug screen and CORI, post offer.

***Qualified individuals send resume and/or application to the Human Relations Office, Rm 19 ~ City Hall, Lowell, MA, 01852 by 4:00 PM: Deadline ~ April 23, 2014. Applicants may also send a resume and/or application to fax #978-446-7102 or via email to [cityjobs@lowellma.gov](mailto:cityjobs@lowellma.gov)***

**EOE/AA/504 Employer**