



CLASS DESCRIPTION

TITLE	CLASS CODE	ESTABLISHED
WATER DISTRIBUTION PLUMBER I	8971	7-1-85
WATER DISTRIBUTION PLUMBER II	8969	7-1-85

DEFINITION

Under supervision, performs and assists with skilled work as a member of a crew in the installation, repair and maintenance of underground water distribution pipeline systems; and performs related work as required.

DISTINGUISHING CHARACTERISTICS

Water Distribution Plumber I is the entry level classification in this series. Individuals participate in the District's Trades Training Program and learn to perform basic installation, repair, and maintenance of pipelines duties under close supervision. The Water Distribution Plumber I and II classifications are alternately staffed, and individuals in this classification normally advance to the Water Distribution Plumber II class after gaining experience and achieving proficiency which meet the requirements for the Water Distribution Plumber II classification.

Water Distribution Plumber II is the first skilled level in the series. The majority of the work is performed as a member of a crew, although individual assignments of a more limited nature may be performed. This classification is distinguished from the Water Distribution Plumber III classification in that the Water Distribution Plumber III performs a broader range of skilled work, requiring a higher degree of trade knowledge, and works under less supervision.

EXAMPLES OF DUTIES (Illustrative only)

Water Distribution Plumber I and II

1. Learns pipeline installation, maintenance, and repair by assisting higher skilled employees.
2. Measures, cuts, and joins steel, cast iron, ductile iron, asbestos, cement, copper, and plastic water pipe.
3. Taps water mains; installs cast iron, steel, copper, or plastic service lines; installs industrial, commercial, or residential water meters.
4. Installs and performs minor repairs to hydrants, valves, meters, pressure regulators, and related equipment.
5. Locates valves, meters, hydrants, and related appurtenances from maps, drawings, and sketches.
6. Applies protective coatings and grout to pipe joints and sections.
7. Observes proper safety precautions; maintains tools, supplies, equipment, and the work site in a safe condition; learns to install shoring in trenches as directed; sets up and places traffic warning devices and barricades.
8. Assists in preparing the work site and in ensuring that materials and tools are available as needed; returns tools and equipment to their proper place; helps keep tools and supplies in a clean and orderly manner on the job; cleans the work area after the job is completed.
9. Learns the identification and use of hand and power tools, materials, supplies, and equipment common to pipeline work.
10. Performs physical labor work as required, including using a shovel and bar; assists in rigging to move and place heavy materials.
11. Learns to operate a compressor and a pneumatic pavement breaker, spade, tamper, and caulking gun.
12. Assists in repairing sanitary sewers damaged during completion of the work.

13. May assist in disinfecting the distribution system.

Water Distribution Plumber II

14. Performs higher skilled pipeline installation, maintenance, and repair work; assists in performing such work of a greater complexity.
15. Independently performs maintenance and repair to meters and gate posts.
16. Keeps simple records of work performed.
17. May direct or instruct a less-skilled Water Distribution Plumber on a specific project.
18. May perform investigation, leak detection, pipe location, and hydrant repair, under supervision, on a training basis.
19. Learns to disinfect and flush new distribution mains, flush the distribution system, and perform hydrant flow tests.

CLASSIFICATION REQUIREMENTS

Knowledge, Skills and Abilities

Water Distribution Plumber I

General knowledge of: The identification and use of standard and hand power tools; California driving and parking laws and safe driving practices.

Skill in: Using standard measuring equipment such as a tape rule.

Ability to: Learn the methods, materials, hand and power tools, and equipment used in performing semi-skilled work in underground water distribution pipeline installation, maintenance, and repair; learn and apply safety procedures related to the work; follow oral and simple written directions; learn to read meters, pipeline drawings, blueprints, maps and specifications; perform simple arithmetic calculations; work cooperatively as a crew member; establish and maintain effective working relationships.

Water Distribution Plumber II

(In addition to the above)

General knowledge of: The equipment, materials and methods used in pipeline installation, maintenance, and repair; identification, use, and operation of common hand and power tools; safety procedures pertaining to the work, including proper shoring and barricading methods; sanitation practices applied to water distribution pipelines.

Skill in: Performing semi-skilled work in the installation, maintenance, and repair of underground pipelines; repairing a variety of meters and gate valves using hand and power tools and equipment required for the work; reading the interpreting pipeline drawings, specifications, and survey markers; reading meters.

Ability to: Follow oral and simple written instructions; complete forms accurately and keep simple records; learn to disinfect and flush the distribution system; make accurate arithmetic calculations.

Education and Experience: Any combination of education and experience that has led to the acquisition of the knowledge, skills, and abilities as indicated above. Typical ways of acquiring these knowledge, skills, and abilities are:

Water Distribution Plumber I

Completion of the eighth grade and no experience required.

Water Distribution Plumber II

Completion of the eighth grade and either

- 1) One year of experience equivalent to the District's Water Distribution Plumber I class, which has included satisfactory completion of on-the-job training as specified in the District's pipeline maintenance training program and upon supervisory certification of proficiency; or
- 2) One year of experience installing, maintaining, and repairing underground pipelines.

License, Certificate, or Credential:

Water Distribution Plumber I:

New hires: Must possess a valid, Class C or Class 3 California driver's license and have a satisfactory driving record. Must obtain a valid, unrestricted Class B California driver's license with endorsement for air brakes within six months of appointment to this class. Failure to obtain a Class B license will result in termination of employment.

Current employees: Must obtain a valid, unrestricted Class B California driver's license with endorsement for air brakes upon expiration of their Class III driver's license but not later than December 31, 1992.

Water Distribution Plumber II: Must possess a valid, unrestricted Class B California driver's license with endorsement for air brakes and have a satisfactory driving record. Current employees must obtain a valid, unrestricted Class B California driver's license with endorsement for air brakes upon expiration of their Class III driver's license but not later than December 31, 1992.

Other Requirements: Must possess physical characteristics to perform the critical and important duties of the job, including the ability to lift and carry tools and equipment weighing 90 pounds such as pavement breakers. Must be willing to work outdoors in a variety of weather conditions and work overtime on an extended shift or off-hours, as needed.

Revised 11/2/89