

EL DORADO IRRIGATION DISTRICT
Class Specification

CLASS TITLE: Senior Construction and Maintenance Worker

DEFINITION

Under direction organizes, assigns and reviews the work of assigned personnel engaged in a variety of installation, repair and maintenance tasks associated with the District's water distribution and collection systems, hydro canals, ditches, and lakes; performs duties requiring specialized knowledge; and provides administrative support to assigned supervisor.

DISTINGUISHING CHARACTERISTICS

This is the advanced journey level in the Construction and Maintenance Worker series. Positions at this level are distinguished from other classes within the series by the level of responsibility assumed, complexity of duties assigned, independence of action taken, by the amount of time spent performing the duties, and by the nature of the public contact made. Employees perform the most difficult and responsible types of duties assigned to classes within this series, including providing technical and functional supervision over assigned personnel and perform the most difficult and complex installation, repair and maintenance duties associated with pipelines, canals, ditches and related infrastructure. Employees at this level are required to be fully trained in all procedures related to assigned areas of responsibility.

SUPERVISION RECEIVED AND EXERCISED

Receives direction from an assigned supervisor. Exercises technical and functional supervision over assigned maintenance personnel.

EXAMPLES OF ESSENTIAL DUTIES: *the duties specified below are representative of the range of duties assigned to the class and are not intended to be an inclusive list.*

All Assignments:

Plans, prioritizes, and reviews the work of staff assigned to a variety of maintenance and repair duties associated with water distribution, wastewater collection, and water conveyance systems.

Develops schedules and methods to accomplish assignments ensuring work is completed in a timely and efficient manner.

Participates in evaluating the activities of staff, recommending improvements and modifications.

Provides and coordinates staff training; works with employees to correct deficiencies.

Maintains a variety of reports and records related to assigned functions.

Ensures worksite safety including traffic control plans, security of site, confined space entry, trench protection, and safe transportation and operation of equipment.

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Reads and interprets utility system maps and blueprints, including Underground Service Alert marking and notification.

Notifies supervisor of operational, safety and regulatory issues.

Use a computer to enter and retrieve information related to work assignments and record-keeping.

Receives and responds to the most difficult and complex customer issues.

Estimates labor, materials and equipment needs associated with assigned projects.

Operates a variety of light to heavy equipment including large trucks and construction equipment such as loaders, backhoes, and trenching machines.

Responds to and assesses problems requiring immediate action; takes appropriate actions.

Performs saw cutting of asphalt for repairs made in roadways; paves roadways per Department of Transportation specifications; seals paved patches; performs road maintenance of access roads to District facilities.

Assists with and coordinates with other divisions and departments for repair and maintenance activities, special projects, and capital improvement projects.

Performs the most difficult work related to the installation, maintenance and repair of water distribution and collection systems, canals and ditches.

Builds and maintains positive working relationships with co-workers, other District employees and the public using principles of good customer service.

Performs related duties as assigned.

When Assigned to Collection Systems:

Cleans and vacuums sewer lines and removes blockages using flusher trucks, CCTV van, rodder trucks, hand rods, and high pressure water hoses.

Operates vaporooter; ensures proper application of root control chemicals; maintains and submits records pertaining to chemical usage.

Maintains lift and pumping stations, including ensuring all pumps are adequately working.

Responds to and takes appropriate action to wastewater spills; reports to appropriate management staff and authorities.

Installs, maintains and repairs sewer mains and services; taps force mains.

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When Assigned to Water Distribution Systems:

Installs, taps, re-lines, disinfects, tests and connects water mains and appurtenances; repairs, disinfects and tests broken water mains.

Installs, repairs, and maintains fire hydrants, valves, meters, and meter vaults; performs maintenance and repairs to recycled water distribution system.

Repairs and/or replaces water meters and related mechanisms, including disassembly, cleaning, inspection, replacement and testing of parts; prepares water service for use including installation of water meters and backflow prevention devices.

When assigned to Hydro Canal, Ditch and Lake Systems:

Patrols canals and ditches ensuring they are free from hazards including trees, debris, snow and ice; identifies sections of canals and ditches in need of repair and either makes repairs or reports repair needs to supervisor; operates snow equipment in the patrol, maintenance and repair of canals and ditches.

Operates and maintains water conveyance system including wood and concrete flumes; monitors and regulates flows at diversion dam, spillways as well as flow levels in river, canals and tunnels; monitors and controls lake levels; ensures compliance with FERC and Fish and Game regulations.

Monitors and operates remote controlled SCADA systems to monitor and control canal/lake systems per FERC license requirements; monitors and maintains flow levels throughout system; monitors and responds to alarms.

Performs flume construction and repairs; repairs dam surfaces and spillways; prepares wood forms and reinforcing steel for concrete pours.

Works safely, and ensures the safety of crew, under and around helicopters for the delivery of materials needed for construction and repair activities.

QUALIFICATIONS

Knowledge of:

Principles and practices of technical and functional supervision and training. Advanced methods and practices of installing, repairing and maintaining water distribution, collection, canal and ditch systems. Advanced methods, techniques, tools and operating characteristics of mechanical equipment used in the construction and maintenance of utility systems. Pertinent local, State and Federal laws, ordinances, rules and regulations. Pipeline chemical application methods.

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Skill/Ability to:

Provide technical and functional supervision over assigned staff; effectively train staff. Perform the most complex duties related to the installation, repair and maintenance of distribution and collection systems, canals and ditches. Perform installation, repair and maintenance duties associated with the District's utility infrastructure and water conveyance system. Safely operate a variety of light to heavy construction equipment and hand tools. Read maps to locate pipelines and facilities. Recognize and mitigate hazardous working conditions. Address and resolve the more difficult and complex customer concerns. Locate and repair leaks and breaks. Troubleshoot water quality and pressure problems. Respond to emergency situations. Ensure a safe working environment. Accurately estimate labor, materials and equipment needs. Establish and maintain effective working relationships with those contacted in the course of work. Communicate clearly and concisely, both orally and in writing. On a continuous basis, know and understand operations, and observe safety rules; intermittently analyze problem equipment; identify and locate equipment; interpret work orders; remember equipment location; and explain jobs to others. Intermittently, sit while studying or preparing reports; bend, squat, climb, kneel and twist when performing installation/repair of equipment; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of inspection, 50 pounds or less.

Experience and/or Education:

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

Experience:

Two years of responsible journey experience similar to Construction and Maintenance Worker II with the El Dorado Irrigation District.

Education:

Equivalent to completion of the twelfth grade.

SPECIAL QUALIFICATIONS

License and Certificate:

Possession of, or ability to obtain, a valid California driver's license at the time of appointment. Individuals who do not meet this requirement due to physical disability will be reviewed on a case-by-case basis.

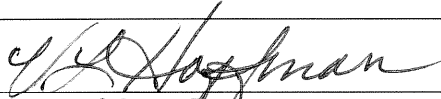
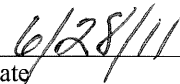
Possession of a Class A California driver's license.

Possession of a valid Water Distribution Operators Grade 2 Certificate issued by the State of California Department of Public Health if assigned to the Drinking Water Division.

Possession of a valid Qualified Applicators License with sewer line root control endorsement is required for some positions assigned to Collections.

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Employees in this classification whose job duties require internet connectivity or the use of a District laptop and air card while on standby must provide and utilize, at their sole expense, a functionally reliable personal internet connection or District provided reliable air card with a District-provided laptop to facilitate District stand-by business.

 _____ Director of Human Resources	 _____ Date
Established: 08/18/2009 Revised: 06/28/2011 FLSA: Non-Exempt Unit: Safety	