

**MERCED IRRIGATION DISTRICT
UNDERGROUND FACILITIES LOCATOR**

FLSA STATUS – Non-Exempt

Bargaining Unit – IBEW, Local 1245

Classification Level – Per IBEW Wage Schedule

DEFINITION:

Under direct supervision of the Maintenance Superintendent, will implement the Underground Service Alert (USA) program, locating and marking District Underground facilities for Water Resources and Electric Services in strict accordance with Merced Irrigation District standards. Perform field and office work in the operation, monitoring, reporting and recording systems affecting the District's water facilities. Use Stream gauging equipment and other water quality and quantity meters.

EXAMPLES OF DUTIES

- Accurately locates and marks underground irrigation facilities, and Electric facilities using paper maps and computerized data base, with specialized equipment provided by the District.
- Perform daily downloads of USA tickets, sort, categorize, and schedule underground locates according to area and time sensitivity.
- Measure and record static water levels in shallow and deep wells. Check wells and test boosters for efficiency.
- Measure and record canal and pipeline water levels and flows for permanent records.
- Assist Facilities inspector with daily duties.
- Operate underground locate equipment, transmitters, confined space camera and video equipment to locate and/or inspect pipelines.
- Collect and record stream Gauge Recorder data.
- Download data in the field and upload to District main computer.
- Document and submit permits for city and county encroachments.
- Communicate daily with contractors and developers to determine excavation locations and progress of work.
- Open electric substructures to determine conduit configuration and location.
- Patrol facilities documenting unauthorized encroachments.
- Work with engineering department records to determine MID facility rights-of-way.
- Perform other duties as requested, directed or assigned.

KNOWLEDGE AND ABILITIES

Knowledge of

- Underground locating methods and markings per standards defined in Common Ground Alliance Version 3.0, Chapter 4, Appendix B as amended.
- Hazards associated with position and required safety precautions.
- The principles of irrigation distribution systems.
- Standard lock out/tag out procedures.
- Methods, materials, equipment, and tools used in the delivery and conveyance of irrigation water, including current velocity meters, flow meters and water level recorders.
- Use of a scientific calculator.
- District policies and procedures with respect to distribution of irrigation water.
- Record keeping and reporting procedures.
- Hazards and safety precautions along with safe work practices.

UNDERGROUND FACILITIES LOCATOR

- Basic methods, tools, techniques and materials used in the construction, maintenance, repair and cleaning of irrigation facilities.
- Operation of a variety of construction equipment.

Ability to

- Read and correctly interpret color coded paper and computerized maps to locate facilities, parcels, and work areas.
- Communicate clearly and work cooperatively with fellow employees, contractors and the public as required.
- Utilize personal computer word processing, database and spreadsheet software programs.
- Operate District GPS and equipment.
- Work independently with minimal supervision.
- Make accurate water flow measurements.
- Perform heavy manual labor.
- Plan and schedule work.
- Meet and maintain good relations with the public and co-workers.
- Maintain neat personal appearance.
- Understand and carry out oral and written directions.
- Regularly uses telephone, cellular phone or company radio for communication.
- Regularly uses radio frequency underground location equipment.

NECESSARY SPECIAL REQUIREMENT

- Possession of appropriate California Driver's License.
- A Department of Motor Vehicles "Driver Record Information" print-out will be required at time of hire and throughout employment. Must be enrolled in District's DMV pull-notice

MINIMUM QUALIFICATIONS

Education

- Graduation from High School or equivalent. Computer and mathematical skills required.

Experience

- Six (6) months experience working with underground locating equipment or six (6) months experience in underground substructure construction.
- Must be familiar with the Underground Service Alert marking colors, methods and laws, and familiarity with Merced Irrigation District facilities.
- Two (2) years experience in the operation of water systems or experience as an Underground Facilities Locator

UNDERGROUND FACILITIES LOCATOR

TYPICAL PHYSICAL DEMANDS:

The physical and mental demands of this position are described below. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of the position.

- Operates District vehicles and heavy equipment used in construction, maintenance, and repair work.
- Must be able to push, pull, reach, and lift equipment and parts weighing up to fifty (50) pounds.
- Stoops, kneels, crouches, crawls, and climbs during field maintenance and repair work.
- Works in an environment with exposure to dust, dirt, and/or weed abatement chemicals, and significant temperature changes between heat and cold.
- Communicates orally with District staff in face-to-face, one-to-one settings.
- Regularly uses a telephone and radio for communication.
- May sit or stand and walk on uneven terrain for extended time periods.
- Hearing, vision, and eye-hand coordination sufficient to operate heavy equipment foot and hand controls and to maintain good awareness during maintenance and construction jobs.

Sitting: Remains in a seated position for up to eight (8) hours per day

Hands/Arms: Operates equipment for up to eight (8) hours per day

Lifting: Raises and lowers supplies and equipment up to fifty (50) pounds.

Stooping: Bends body downward and forward by bending at the knees or waist

Talking: Expresses ideas and shares information by means of spoken work in person and by telephone.

Hearing: Hears well enough to receive communications in person and by telephone.

Vision: Operates vehicles and office equipment. Reads color coded maps.

ENVIRONMENTAL FACTORS:

- Exposure to the sun: 90% or less work time spent outside a building and exposed to the sun.
- Irregular or extended work hours: Per the Memorandum of Understanding (MOU).
- Work performed in an outside environment with exposure to dust, dirt and significant temperature changes between heat and cold.

ESSENTIAL MENTAL ABILITIES:

- Exercise independent judgment.
- Self directing and organized.
- Reason objectively.
- Assess, project and plan work activities on a daily and weekly basis.
- Document concisely, accurately and timely.