

## CENTRAL CALIFORNIA IRRIGATION DISTRICT

### ENGINEERING TECHNICIAN

**Definition:** Under the general direction of the engineer and management to do non-professional engineering field, and office work. To perform work on maintaining the District's G.I.S., drafting work, serve on a land survey party, and to do related work as required.

**Examples of Duties:** (1) Processes technical engineering data and calculations; (2) prepares plans for the installation and maintenance of irrigation systems; (3) conducts surveys to determine profiles, locations of water lines, boundary lines, property lines and topography in laying out engineering projects; (4) inspects construction and maintenance projects; (5) makes a search of easements, deeds, right-of-way, and other legal documents for purposes of installation of irrigation facilities; (6) maintains and updates District's G.I.S. crop maps; (7) updates District base maps utilizing AutoCad; (8) works with developers and keeps abreast of current and planned developments; (9) maintains index of maps and records; (10) and other duties as assigned.

**Knowledge of:** CAD drafting and G.I.S. methods, techniques and equipment; principles and uses of algebra, geometry and trigonometry; elementary engineering survey principles and practices; and methods and facilities used in transmission and distribution of water in irrigation systems.

**Ability To:** Work independently and cooperatively with others; do limited design of irrigation facilities; collect and analyze data; interpret legal descriptions; and make engineering computations. Sit for up to two hours, without a break, operating a computer terminal or similar device. Traverse outdoor sites as necessary for surveying or inspection of construction.

**License:** Possession of an appropriate California Driver's license issued by the State Department of Motor Vehicles.

**Employment Experience:** Any combination equivalent to graduation from high school including courses in algebra, geometry, trigonometry and mechanical drawing. Four years of experience in engineering, drafting and field survey work.