

ASSOCIATE ENGINEER

Definition:

Under minor direction and supervision, performs professional and technical engineering duties as required for a water system which supplies irrigation, domestic, and commercial and industrial users

Distinguishing Characteristics:

Examples of Duties:

- preparation of plans, specifications, reports, contracts, and environmental assessments;
- hydraulic and economic analysis of water systems;
- design of pipelines, canals, pumping plants, building structures and related facilities;
- review and coordinate work of consultants;
- form improvement districts;
- coordinate countywide development;
- supervise in-house development team.

Qualifications:

Knowledge of:

- civil and hydraulic engineering;
- computer principles as related to the solution of engineering problems;
- pipeline materials and construction;
- water treatment process and water system planning;
- feasibility studies;
- public relations;
- cost estimating;
- state health department regulations;
- surveying, mapping and related engineering principles.

Ability to:

- perform professional and technical engineering analysis and computations;
- prepare plans and specifications;
- make feasibility and master plan studies;

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- conduct public meetings;
- plan and direct the work of Engineering teams.

Education/Experience:

BS degree from an accredited college with a major in civil or mechanical engineering. Registration as a civil or mechanical engineer in the state of California is required. Four years of professional civil or mechanical engineering or equivalent experience with water systems related operation.

License/Certificates:

Must possess and maintain a valid California driver's license with an acceptable driving record.