

**EL DORADO IRRIGATION DISTRICT**  
**Class Specification**

**CLASS TITLE: Senior Construction Inspector**

**DEFINITION**

Under direction engages in field construction inspections for District facilities including water systems, water distribution systems, wastewater and recycled water transmission construction, repair work, commercial/residential development and capital improvement projects; performs duties requiring specialized knowledge; may provide technical and functional supervision over assigned staff; and provides administrative support to assigned supervisor.

**DISTINGUISHING CHARACTERISTICS**

This is the advanced journey level in the Construction Inspector 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, and may provide technical and functional supervision over assigned personnel. 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 assigned supervisory or management personnel. May exercise technical and functional supervision over assigned 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.*

Performs a variety of inspection duties of District facilities including pipelines, pumping stations, treatment facilities, and other District projects.

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.

Reviews the more complex plans for constructability and compliance to specifications during design phase; participates in the development and planning of Capital Improvement Projects. Provides assistance as needed to other divisions or based on operation demands

Assists District engineers with the design and implementation of the more complex capital improvement projects; serves as field liaison in the planning and development of projects; responds to questions and concerns from contractors, developers, and outside agencies regarding inspection results and District standards.

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Reviews and inspects construction projects, including water, hydroelectric generation, wastewater and recycled water distribution, collection, storage and treatment facilities for compliance with approved plans, District specifications and required regulations; performs a variety of field tests to ensure quality of materials and work.

Observes, documents, records, and completes activity and progress reports, including taking photos and videos of work sites before and during construction; completes daily inspection logs and inspection reports.

Assists engineers with construction management functions for District projects including coordinating and scheduling activities with general contractors and subcontractors; ensures activities meet the standards of the District and are in compliance with District specifications.

Performs the most difficult work related to the construction inspection of District projects involving projects related to District operations and large capital projects.

May plan, prioritize, and review the work of staff assigned to perform a variety of inspection duties of District facilities including pipelines, pumping stations, treatment facilities, and other District projects.

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.

### **QUALIFICATIONS**

#### Knowledge of:

Principles and practices of construction methods and techniques related to underground utilities, including tools and materials used in construction. Applicable Federal, State, and local laws, regulations, codes, and District policies governing the construction of assigned projects. Proper inspection techniques to examine construction workmanship and materials for defects and faults. Materials, methods, regulations, and requirements related to the construction projects. Basic engineering and surveying principles and practices. Mathematics including algebra, geometry and trigonometry, as applied to construction methods and practices. Residential and commercial inspection methods. Principles and practices of construction management. Principles of project management. Principles and practices of technical and functional supervision and training.

#### Skill/Ability to:

Perform the most complex duties related to the inspection of District construction projects. Perform complex and technical inspections of materials and work quality used in utility construction projects. Perform basic engineering calculations for volume, leakage, force, pressure, flow and chemical saturation. Perform basic surveying calculations to check and determine layout, alignment

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and grades. Effectively represent the interests of the District with contractors and developers. Understand, read, and interpret plans, specifications, maps, drawings, contracts, and work orders. Read, interpret and apply laws, regulations, codes and technical guidelines. Recognize confined space and hazardous safety issues. Prepare technical reports and correspondence and maintain and update project files. May provide technical and functional supervision over assigned staff; effectively train staff. Ability to maintain reliable attendance is a condition of employment, subject to applicable medical and disability leave laws. On a continuous basis, analyze operations of construction projects in the field; identify underground service alert; interpret maps and reports; know how to perform underground work and other construction; and observe safety precautions. Intermittently, sit while studying or preparing reports; walk around job sites; kneel and bend while reviewing infrastructure; climb in and out of trenches; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of 35 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 Inspector II with the El Dorado Irrigation District.

Education:

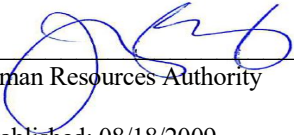
Equivalent to the completion of the twelfth grade supplemented by college coursework in algebra, trigonometry, geometry, drafting and surveying or a related field.

**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 valid D2 Water Distribution Operator Certificate issued by the California State Water Resources Control Board. Possession of a valid Backflow Prevention Assembly General Tester Certification and a Cross-Connection Control Specialist Certificate from the American Water Works Association (AWWA) is highly desired.

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Established: 08/18/2009 Revised: 02/11/2022 FLSA: Non-Exempt Unit: Safety	