

Code: 2762

Title: SEWER SYSTEMS PROJECT INSPECTOR

SUMMARY: Performs complex technical work inspecting and conducting on-site observations of all aspects of major sewer construction projects and related components of other general construction. It is distinguished from the Sewer Construction Inspection Supervisor, which supervises and coordinates inspection activities of all sewer construction projects. Responsibility for major sewer construction projects that involve sewer and other construction specifications distinguishes this class from the Sewer Line Construction Inspector, which specializes in projects that primarily involve sewer construction specifications. It is also distinguished from other Public Works construction inspector classifications that inspect the construction of roadway, bridges, buildings, and flood control projects.

DUTIES/RESPONSIBILITIES: (Work assignments may vary depending on the department's needs and will be communicated to the applicant or incumbent by the supervisor.)

Reviews approved construction plans, contract documents and submittals for any errors, omissions or inconsistencies in the documents;

Schedules, attends and participates in pre-construction conferences and progress meetings to review requirements and provisions set forth in the construction plans with affected parties/agencies and documents the outcome of each;

Ensures Flow Management Systems are set up in accordance with approved flow management plan for the specific project;

Monitors the trenching and excavation operations of the contractor, the bedding and shading operation and backfill/compaction of trenches and excavations and other relevant elements of sewer construction for compliance with specifications and standards;

Inspects the piping, aggregate base course, concrete, paving and other construction materials for compliance with specifications and approved plans;

Oversees all aspects of assigned construction projects and permit jobs and ensures construction is in accordance approved project plans and specifications, to include City of Tucson/Pima County Regional Wastewater Reclamation Department (RWRD) Standard Details and Specifications;

Maintains daily records, written reports and pictorial documentation of contractor's work performed, validates monthly pay estimates and compiles post-construction documentation;

Coordinates with contractors, engineers, architects and various local and state agencies in order to meet requirements and provisions set forth in the project plans and specifications;

Serves as RWRD liaison with the project contractor, other agencies and the private sector, accompanies visiting inspectors representing public or other agencies having jurisdiction over the project and reports the outcome of such inspections to the Wastewater Public Works Manager;

Coordinates, monitors, documents details of all testing and start-up procedures, compiles results and certifications;

Coordinates and participates in vacuum, pressure, mandrel and mirror testing for final inspection;

Executes confined-space entry procedures and uses safety equipment as required per county and OSHA procedures.

Resolves issues with project superintendent over identified noncompliance with standard construction practices or specifications;

Documents all actions/activities for Sanitary Sewer Overflow events.

KNOWLEDGE & SKILLS:

Knowledge of:

- . RWRD standards, specifications and procedures;
- . construction inspection procedures and techniques for general and sewer-related projects;
- . sewer construction practices, methods and materials;
- . properties and uses of materials used in general and sewer construction.
- . relevant local and state construction specifications, standards, codes and industry standards;
- . county permitting and development processes and procedures;

- general construction practices and methods;
- county contracting rules, policies and procedures;
- use and application of computer-based resources to support assigned activities;
- application of appropriate levels of mathematics to assigned duties.

Skill in:

- interpreting and applying sewer and general construction specifications and standards, codes and like technical materials;
- interpreting construction blueprints and plans;
- inspecting, detecting and documenting work or construction not in compliance with appropriate specifications, standards and codes;
- resolving issues on non-compliant work with contractors and other agencies;
- establishing and maintaining effective working relationships;
- implementing traffic control and other safety procedures at work-sites to assure safety of employees, contractors and the public;
- communicating effectively, both orally and in writing.
- performing mathematical computations.

MINIMUM QUALIFICATIONS: EITHER:

(1) Four years of experience as sewer or water line construction foreman, lead man or consultant (or combination of experience in two or more of these positions).

OR:

(2) Three years of experience with Pima County as a Public Works Construction Inspector.

OR:

(3) Two years of experience with Pima County as a Sewer Line Construction Inspector, Building Inspector I, Building Inspector II, Building Inspections Supervisor or Chief Codes Enforcement/Building Inspection Supervisor.

OTHER REQUIREMENTS:

Licenses and Certificates: All positions require a current Arizona Class D driver's license at the time of appointment, and this license must be maintained as a condition of employment; failure to maintain the required license shall be grounds for termination.

Special Notice Items: All positions may carry the risk of exposure to infectious diseases and asbestos found in construction, wastewater and sewage products, therefore special medical screening prior to and during employment may be necessary to assure employee health and safety. Some positions within this classification that are not covered by the requirements of OSHA's Blood Borne Pathogen program may be offered, at County expense, the Hepatitis B series of vaccinations due to potential exposure to raw sewage and sharps (discarded needles/syringes). All positions require working at, near or in busy automotive and construction equipment traffic patterns. Any required safety training and equipment will be provided. Employees in this classification may encounter potentially harmful wildlife (reptiles, such as snakes, lizards, etc.), insects and plants.

Physical/Sensory Requirements: Employees in this classification are required to routinely lift equipment or other items (such as utility access covers) weighing up to 100 pounds. Employees must be able to operate assigned vehicles in all weather conditions and on differing road surfaces, and to work in and traverse rough terrain on foot. Employees must be able to safely recognize industry-standard colors used for marking underground utility services, and for electrical wiring and equipment. Employees must be able to properly maintain and wear required protective clothing and equipment. Any additional physical and sensory will be determined by position.

This class specification is intended to indicate the basic nature of positions allocated to the class and examples of typical duties that may be assigned. It does not imply that all positions within the class perform all of the duties listed, nor does it necessarily list all possible duties that may be assigned.