

Code: 2457

Title: UTILITY LOCATOR

SUMMARY: This classification is responsible for locating, identifying, reporting, and marking underground utilities owned, operated, or maintained by Pima County to protect them from damage that could be caused by excavation or other construction and maintenance activity. (Commonly called “Blue Stake” Service)

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

Review engineering maps, utility drawings, construction plans, base maps, electrical schematics and other computerized, micro-fiche or printed reference material to determine precise locations of County owned, operated, or maintained underground utilities;

Identify and mark the physical location and path of underground utilities owned, operated, or maintained by the County within the time constraints provided by Federal, State, or other regulatory agencies;

Review contractor or private citizen-provided excavation or construction plans and identify potential conflicts with existing County owned, operated, or maintained underground utilities;

Attend and participate in pre-construction meetings and conferences with contractors and private citizens to determine requirements and need for County utility locator services;

Observe all Federal, State, and County safety regulations and requirements while working on public or private roadways;

Observe progress of excavation and construction work within assigned locality to identify potential conflicts with County owned, operated, or maintained underground utilities;

Coordinate utility location and or marking with other utility service providers;

Communicate policies, procedures and regulatory requirements to contractors and the public regarding utility locator services;

Complete appropriate logs, records, work-orders, and tickets to document utility locator services accomplished, as required by County or other regulatory agencies;

Conduct internal investigations of damaged County owned, operated, or maintained underground utilities;

Identify sewer line or manhole discrepancies displayed in references to appropriate authorities for correction or repair as required;

Perform operator-level servicing and maintenance of equipment and vehicles used to locate and mark underground utilities;

Schedule maintenance, as required, on assigned equipment and vehicles;

Enter and retrieve data from various automated information systems (AIS);

May train or lead other Utility Locators in the procedures and techniques required to locate, identify, record and mark underground utilities.

KNOWLEDGE & SKILLS:

Knowledge of:

- public works engineering design concepts and specifications;
- state and federal regulations affecting utility identification and safety procedures;
- basic surveying principles, methods, techniques and equipment;
- equipment used in locating underground utilities;
- standard construction procedures and techniques;
- mathematical equations used to determine distances, changes in elevation, or slope;
- other utility service providers in and around Pima County;
- base and engineering maps, cartographic principles, engineering and construction plans, utility drawings;
- capabilities and use of Graphical User Interface (GUI) based software applications.

Skill in:

- reading and interpreting engineering maps, utility drawings, construction plans, schematics, base maps and other reference material;
- analyzing excavation plans to determine potential conflicts with underground utilities;
- operating basic surveying and utility locator equipment;
- working independently with minimal direct supervision;
- communicating effectively with supervisors, co-workers, contractors, and the public;
- operating a motor vehicle for extended periods of time in varied traffic conditions on differing on or off-road surfaces;
- documenting activity;
- preparing routine, recurring and special technical and activity reports;
- performing operator-level service and maintenance on assigned vehicles and equipment.

MINIMUM QUALIFICATIONS:

EITHER

(1) One year of work experience reading and interpreting engineering maps, utility drawings, construction plans, or schematics.

OR

(2) 6 months of experience in locating and marking underground utilities.

OR

(3) 18 semester hours of college level course work from an accredited college, technical trade school or university in engineering, surveying, drafting, blueprint reading, construction, or cartography.

OTHER REQUIREMENTS:

Licenses and Certificates: A valid Arizona Class D Driver's License is required at the time of appointment and must be maintained as a condition of employment. Failure to maintain this license may result in termination.

Special Notice Items: Employees in this classification are routinely required to work at, near, or in busy automotive traffic patterns. Employees in this classification may encounter wildlife such as reptiles (snakes, lizards, etc.) and insects that may pose safety hazards.

Physical/Sensory Requirements: Employees in this classification are routinely required to lift equipment or other items such as utility covers weighing between 50- 60 lbs on a regular basis; safely operate a motor vehicle in all weather conditions and on differing road surfaces; work in remote or limited access areas and terrain; work for extended periods in extreme heat, moisture, and humidity; properly wear safety equipment; identify industry-standard colors used for marking underground utility lines and electrical wiring conventions. Other physical and sensory abilities 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.