

MAJOR FUNCTION

This is technical work in performing land surveys. Assignments are performed as a member of a land survey crew under the general direction of a higher-level technician and are subject to review during progress and upon completion through oral and written reports and by observation.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Positions, sets, and marks stakes, hubs, turning points, benchmarks, and monuments. Uses chain, plumb bob, hand level, and sight rod in determining lines, directions, and distances. Serves as chairman in the measurement of distances and as a rodman in obtaining cross sections, establishing level circuits, and doing angular measurement of traverse surveys. Clears brush and other obstructions. Locates and digs for survey monuments, reference points and underground utilities. Removes manhole covers and enters sanitary and storm drain manholes to determine pipe sizes, locations, and invert depths. Cleans and maintains survey equipment and tools. Operates the survey vehicle as required. May operate surveying instruments under supervision of higher-level technician. May erect barricades, traffic control devices and various safety apparatus on worksite. May perform entrant and attendant work in utility construction, confined spaces, excavations and trenching. May enter utility structures determined to be safe, including but not limited to manholes, pipe trenches, vaults, and box culverts to perform tasks. Performs related work as required.

Other Important Duties

May copy, index and file materials, as directed. Performs related work as required.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Knowledge of the methods and procedures of topographic and traverse surveys. Knowledge of decimals, fractions, survey stationing and the ability to work accurately with same. Knowledge of occupational hazards and accident prevention methods in assigned area of responsibility. Ability to make computations quickly and accurately. Ability to operate surveying equipment and to work outside under varying weather conditions. Ability to safely perform heavy lifting, pushing, pulling, climbing, standing, and squatting for long periods of time. Ability to work in an environment that may include extreme heat and confined areas, hazardous conditions, noxious chemicals, and exposure to prolonged high noise levels requiring the use of personal protective equipment. Ability to perform tasks outdoors under varying climatic conditions. Ability to work from bridges, walkways, heights, right-of-way, and be able to wade through water. Skills in the use of tools and equipment used in daily survey operation.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate and two years' experience that includes duties as a member of a land surveying crew.

Necessary Special Requirements

Possession of a valid class "E" State driver's license at the time of appointment.

Note: Preference may be given to applicants that possess certifications (or can document acceptable training) in Maintenance of Traffic (Intermediate Level), Confined Space Entry, Excavation and Trenching, OSHA 10-Hour Health and Safety in construction certification.

Established: 02-16-90

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