

461  
130-329-5  
CIVIL ENGINEERING  
*Land & Right  
of Way*

SURVEYMAN-A

A. Duties:

Under general supervision, and occasionally under directive supervision, performs the necessary survey work in the field and office in connection with preliminary and final layout for construction projects involving buildings, transmission and distribution lines, and other miscellaneous foundations, structures, and installations; performing duties, such as:

1. Performing any or all the duties of Surveyman-B;
2. Making complete surveys of property boundaries and locating, or establishing boundary markers in the field by use of a transit and associated equipment;
3. Computing closures and acreage, and adjusting closures in accordance with standard practices for survey adjustments;
4. Making topographic surveys of plats of land, and profile surveys along prescribed courses;
5. Making topographic, profile, boundary, or location sketches showing markers, trees, streams, or other obstructions which may effect the engineering design of transmission lines, structures, or other installations;
6. Field checking all existing installations when they are essential to the design of contemplated installations;
7. Reporting to the Engineer, or Supervisor, any discrepancies, or errors, he finds in either the records, drawings, or field work;
8. Writing detailed engineering descriptions, or preparing any other data necessary to the adequate description of property and facilities; properly informing the Engineer, or Supervisor, of any unusual conditions;
9. Securing, when necessary, the data essential to make the complete survey in required detail;
10. Computing and establishing grades and horizontal control points for new construction work and for alterations to existing installations;
11. Training and directing the men assigned to assist him; and
12. Performing other similar or less skilled work.

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B. Qualifications:

Must meet the Company's requirements as to GENERAL QUALIFICATIONS; must have all the qualifications of Surveyman-B and, in addition:

1. Should have had approximately four years of experience in surveying and abstracting; must have had at least one year of experience as a Surveyman-B, or the equivalent;
2. Must be a competent surveyor and be able to produce good maps and sketches, and take neat, accurate, understandable notes on surveys;
3. Must appreciate the confidential nature of Company information encountered in his work, and treat it accordingly;
4. Must be able to contact the public he encounters in his work with tact, courtesy, and due consideration, and should have some experience in this field;
5. Must possess the ability to train and direct employees assigned to assist him; be able to work cooperatively with other employees and departments; and
6. Must qualify for the Company's Motor Vehicle Permit to drive cars and trucks.

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SURVEYMAN-B

A. Duties:

Under general supervision, and occasionally under directive supervision, does the necessary survey work in the field and office in connection with the preliminary and final layout of transmission and distribution lines and other proposed installations; performing duties such as:

1. Performing any or all the duties of Surveyman-C;
2. Making a study of Court House records to obtain descriptions of property boundaries;
3. Completing a survey of the required boundaries, locating boundary markers in the field by use of a transit and associated equipment; making topographic surveys of plats of land and profile surveys along prescribed courses;
4. Making sketches of the routes, or boundaries, locating markers, trees, and other obstructions in which the Engineers may be interested, and topographical or profile sketches as required;
5. Staking poles, foundations, and other proposed installations as prescribed by the Engineers;
6. Computing volumetric contents from topographic surveys, or cross-sections;
7. Cleaning, adjusting, and maintaining the instruments provided for his use by the Company;
8. Assisting in training and instructing the men assigned to work with him; and
9. Performing other similar or less skilled work.

B. Qualifications:

Must meet the Company's requirements as to GENERAL QUALIFICATIONS; must have all the qualifications of Surveyman-C and, in addition;

1. Must have had at least two years of experience as such, or the equivalent;
2. Must have completed two years of study in a recognized School of Engineering, including courses in surveying, or the equivalent;

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SURVEYMAN-B

B. Qualifications: cont'd

3. Must be competent to perform the survey work required by this position and be able to produce good maps and sketches, such as are required in the work, and keep neat, accurate, and understandable field notes for preparing final drawings, and filed records;
4. Must be able to give proper care to the expensive and delicate instruments, equipment, and tools which he uses; and
5. Must qualify for the Company's Motor Vehicle Permit to drive cars and trucks.

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SURVEYMAN-C

A. Duties:

Under directive supervision, and occasionally under general supervision, assists in survey work and occasionally performs the less difficult surveys; performing duties such as:

1. Performing all the duties of Surveyman's Helper;
2. Assisting in making studies of Court House records to obtain descriptions of property boundaries;
3. Completing the simpler types of surveys of required boundaries, locating the boundary markers in the field by the use of the transit and associated equipment;
4. Preparing sketches of the boundaries as surveyed, showing such other information as required by the engineer or Supervisor;
5. Staking pole and anchor locations on simple jobs, as prescribed by the Engineer, and assisting in staking the large and more complex jobs;
6. Cleaning, repairing, and maintaining the surveying equipment and tools; and
7. Performing other similar or less skilled work.

B. Qualifications:

Must meet the Company's requirements as to GENERAL QUALIFICATIONS; must have all the qualifications of Surveyman's Helper and, in addition;

1. Must have had at least one year of experience as such, or the equivalent including at least six months of experience in survey work;
2. Should have completed a course in surveying in a recognized Technical School, or the equivalent;
3. Should be able to prepare sketches and maps, as required, in performing the above duties;
4. Must be able to give proper care to the expensive and delicate instruments, equipment, and tools which he uses; and
5. Must qualify for the Company's Motor Vehicle Permit to drive cars and trucks.

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SURVEYMAN'S HELPERA. Duties:

Under directive supervision, performs all the routine manual operations in connection with the work of the surveying crew; performing duties such as:

1. Handling chains and rods and driving stakes at the direction of the head of the party;
2. Cutting brush or performing necessary clearing away duties as required to make the survey;
3. Assisting the Surveyman in keeping notes or performing any other duties as directed by him;
4. Transporting the instruments to and from the job; assembling and dis-assembling them, as directed; maintaining all equipment in clean and workable condition;
5. Copying records at the Court House, as instructed;
6. Driving Company truck or car for transportation of the field party and its equipment; and
7. Performing other similar or less skilled work.

B. Qualifications:

Must meet the Company's requirements as to GENERAL QUALIFICATIONS and, in addition:

1. No previous experience required;
2. Must be a high school graduate, or the equivalent, preferably having taken courses in Plane Geometry, Mechanical Drawing and Trigonometry;
3. Should be interested in learning the surveying profession; and
4. Must be qualified to obtain a Company's Motor Vehicle Permit to drive cars and trucks.

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