



**POSITION DESCRIPTION:
SENIOR LAND SURVEYOR**

POSITION PURPOSE

The Senior Land Surveyor will guide junior staff in preparing information the Land Surveyors collect in the field to guide them in drafting of various Topographic Surveys, Boundary Surveys, ALTA/ACSM Land Title Surveys, Easement and Boundary Plats according to Firm and Project Specific Municipality Standards. Senior Land Surveyors also prepare and create full Civil3D Drawings beginning from field data points, generate surfaces and contours, calculate boundary lines from record maps and Grant Deed descriptions. Senior Land Surveyors play a key role in delivering maps and documents necessary to memorialize land ownership and land use.

WHAT YOU'LL DO

ESSENTIAL TASKS AND RESPONSIBILITIES

- Facilitate engineering design, property, geodetic, and construction surveys
- Review exhibits for right-of-way and facility boundary retracement surveys, including encroachment and right-of-way marking surveys
- Research client, government agency, state, county, or city records for information concerning surveys
- Create deliverables such as field note sheets, electronic data collection files, computation sheets, CAD base maps, Records of Survey and land acquisition exhibits, survey reports and narratives, encroachment and right-of-way exhibits, electronic GIS files
- Inspect and verify survey deliverables for accuracy and correctness and notify the client if necessary of any discrepancies, and coach or correct junior staff as appropriate
- Draft and review scopes, schedules, statements of work, and estimates for survey work performed by survey team
- Facilitate and coordinate the work of field survey crew and office survey staff
- Perform complex computations and analysis using technical software, Trimble Business Center
- Coordinate the collections of field survey data for various projects
- Check and review Records of Survey, Boundary Line adjustments, Partition Plats, and other official documents in accordance with organizational standards, to be recorded at various federal, state and county government offices
- Complete associated documentation and archiving, such as control and alignment reports
- Manage field survey activities with other disciplines across offices to facilitate design and construction needs
- Review and analyze vague title policy matters and legal description issues, and advise management and/or staff of applicability
- Maintain land survey databases and validate data quality of information entered
- Drive with process improvement efforts and associated administrative tasks
- Oversee internal land survey and real property records research, and coordinate with the public and other government agencies regarding requests for information
- Manage the training of more junior staff members on QK standards for surveying projects
- Other duties as assigned or as needed in order to successfully complete project deliverables or meet internal goals



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WHO WE NEED

ESSENTIAL SKILLS AND ABILITIES

- Knowledge of professional surveying practices and procedures; state and federal laws affecting land surveying and boundaries is required
- Expertise with the operation and maintenance of Trimble total stations, GPS equipment, and electronic levels and other various measuring instruments is required
- Expertise with state plane coordinates, horizontal & vertical datums, network adjustments (least squares), and geodetic & GNSS surveying is required.
- Expertise with electronic data collection systems and processes is required; must be able to download and process data files, perform complex survey computations using various software packages (i.e., Trimble Business Center, OPUS, NGS tools, Microsoft Office)
- Ability to understand scopes of work, schedules, and technical specifications for complex surveying projects
- Ability to read and interpret engineering plans, specifications, plats, maps and other related documents
- Ability to work well with others as a team member, and alone
- Ability to communicate well with other staff to accomplish team goals
- Visual acuity and manual dexterity
- Ability to perform repetitive wrist and hand motions required
- Ability to sit or stand for extended periods

PREFERRED SKILLS AND ABILITIES

- Drive to be helpful to internal team members and external clients
- Ability to create strong relationships, including one of a mentor/protégé capacity
- Proven ability to successfully work against a deadline and within constrained budgets
- Ability to motivate others
- Strong critical thinking skills that allow for collaborative innovation in problem solving and project planning
- Ability to teach junior staff both agency and company standards
- Ability to drive one's own career path, develop relationships with mentors, and seek opportunities for growth
- Able to remain flexible with the ever-changing workload, working conditions and project/agency requirements
- Natural ability to expand skills and knowledge through company training resources and independent direction

EDUCATION

- Graduate from an accredited college or university with a Bachelor of Science degree in Land Surveying, Civil Engineering or related field
- Professional License Required



**CAREER PATH:
SENIOR LAND SURVEYOR**

EXPERIENCE

- Minimum of ten (10) years practical experience working as a Professional Land Surveyor
- Substantial experience working on land survey projects and have demonstrable project experience
- Experience managing land survey crews
- Demonstrated experience in and expert knowledge of laws affecting land surveying and boundaries is required

ORGANIZATIONAL RELATIONSHIPS

The Senior Land Surveyor works closely with the survey team by providing drafting assistance and support. The Senior Land Surveyor should have a strong working relationship with the entire survey team, both locally and companywide. The Senior Land Surveyor will also provide training and advice to junior staff and may act as a Teaming Advisor when necessary. Senior Land Surveyors are expected work with all survey team members as well as other staff throughout the entire firm in order to promote our “One Company” philosophy.

I HAVE READ AND UNDERSTAND THIS JOB DESCRIPTION ABOVE	
PRINT:	DATE:
SIGNATURE:	SUPERVISOR/HR: