1. Developed low impact transportation, grading and storm water design strategies for sustainable infrastructure projects.
2. Facilitated construction by mapping out utility installations and establishing reference points, grades and elevations.
3. Inspected installation of precast structures, underground services, concrete and earthworks.
4. Evaluated sites to determine soil adequacy for handling loads imposed by building foundations and associated materials.
5. Planned, directed and participated in surveying activities and researching title reports and deeds in preparation of survey instructions.
6. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
7. Provided technical and professional engineering support services in design, construction and traffic engineering.
8. Supervised construction of waste water treatment facility for [Type] location.
9. Performed maintenance duty on pumps, wastewater operations and commercial injection systems.
10. Reviewed project goals and objectives on monthly basis with project manager and design team.
11. Devised overall strategy for documentation and identified design sets planned for each stage of work including as-built designs and final building information models (BIM).
12. Monitored construction of contract work for compliance with design plans and specifications.
13. Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.
14. Attended training, meetings and seminars to enhance job knowledge and skills.
15. Prepared and presented project cost estimates, determined project feasibility based on data analysis and recommended improvements.
16. Verified construction documentation conformed to quality assurance standards and client requirements.
17. Computed load and grade requirements, material stress factors and water flow rates to determine design specifications.
18. Managed quality assurance and quality control requirements of contractor, including surveying and laboratory testing for concreting operations.
19. Managed construction contracts for capital projects to outline objectives, stakeholder responsibilities and modification procedures.
20. Assessed construction and demolition operations for compliance with [Type] rules and regulations.
21. Drafted and reviewed reports and specifications, including construction schedules, environmental impact studies and project designs.
22. Completed information processing tasks using engineering software and statistical packages and programs to encode data and perform data entry and retrieval.
23. Assessed scope and requirements to make accurate project design determinations for [Number] projects.
24. Kept project on schedule and within budget while serving as project leader.