1. Inspected installation of precast structures, underground services, concrete and earthworks.
2. Developed low impact transportation, grading and storm water design strategies for sustainable infrastructure projects.
3. Supervised construction of waste water treatment facility for [Type] location.
4. Evaluated sites to determine soil adequacy for handling loads imposed by building foundations and associated materials.
5. Kept project on schedule and within budget while serving as project leader.
6. Facilitated construction by mapping out utility installations and establishing reference points, grades and elevations.
7. Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.
8. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
9. Computed load and grade requirements, material stress factors and water flow rates to determine design specifications.
10. Completed information processing tasks using engineering software and statistical packages and programs to encode data and perform data entry and retrieval.
11. Calculated load levels and material stress factors using [Software] to identify design constraints.
12. Monitored construction of contract work for compliance with design plans and specifications.
13. Verified construction documentation conformed to quality assurance standards and client requirements.
14. Managed construction contracts for capital projects to outline objectives, stakeholder responsibilities and modification procedures.
15. Liaised with civil technicians to prepare and update maps, drawings and blueprints using manual and computer-assisted methods.
16. 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).
17. Assessed construction and demolition operations for compliance with [Type] rules and regulations.
18. Assisted emergency management with disaster response and damage assessments during natural disasters.
19. Conducted material tests and analysis using [Type] equipment and tools.
20. Managed quality assurance and quality control requirements of contractor, including surveying and laboratory testing for concreting operations.
21. Controlled engineering activities to maintain work standards, adhere to timelines and meet quality assurance targets.
22. Prepared and presented project cost estimates, determined project feasibility based on data analysis and recommended improvements.
23. Interacted with state and local agencies concerning compliance with codes and regulations.
24. Assessed scope and requirements to make accurate project design determinations for [Number] projects.
25. Developed, implemented and utilized systems to effectively track permits and change order requests.
26. Performed maintenance duty on pumps, wastewater operations and commercial injection systems.
27. Attended training, meetings and seminars to enhance job knowledge and skills.
28. Reviewed project goals and objectives on monthly basis with project manager and design team.
29. Provided technical and professional engineering support services in design, construction and traffic engineering.