1. Supervised construction of waste water treatment facility for [Type] location.
2. Evaluated sites to determine soil adequacy for handling loads imposed by building foundations and associated materials.
3. Facilitated construction by mapping out utility installations and establishing reference points, grades and elevations.
4. Developed low impact transportation, grading and storm water design strategies for sustainable infrastructure projects.
5. Conducted material tests and analysis using [Type] equipment and tools.
6. Inspected installation of precast structures, underground services, concrete and earthworks.
7. Prepared and presented project cost estimates, determined project feasibility based on data analysis and recommended improvements.
8. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
9. Interacted with state and local agencies concerning compliance with codes and regulations.
10. Kept project on schedule and within budget while serving as project leader.
11. Liaised with civil technicians to prepare and update maps, drawings and blueprints using manual and computer-assisted methods.
12. Developed, implemented and utilized systems to effectively track permits and change order requests.
13. Inspected project sites to monitor progress and adherence to design specifications, safety protocols and state sanitation standards.
14. Managed conceptual design projects while providing task management and technical contributions to multidisciplinary teams to bring innovative solutions to civil infrastructure problems.
15. Managed quality assurance and quality control requirements of contractor, including surveying and laboratory testing for concreting operations.
16. Documented products and processes using SolidWorks, [Software] and [Software] to document release notes and designs.
17. Provided technical and professional engineering support services in design, construction and traffic engineering.
18. 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).
19. Controlled engineering activities to maintain work standards, adhere to timelines and meet quality assurance targets.
20. Drafted and reviewed reports and specifications, including construction schedules, environmental impact studies and project designs.