1. Facilitated construction by mapping out utility installations and establishing reference points, grades and elevations.
2. Supervised construction of waste water treatment facility for [Type] location.
3. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
4. Developed low impact transportation, grading and storm water design strategies for sustainable infrastructure projects.
5. Drafted and reviewed reports and specifications, including construction schedules, environmental impact studies and project designs.
6. Evaluated sites to determine soil adequacy for handling loads imposed by building foundations and associated materials.
7. Developed, implemented and utilized systems to effectively track permits and change order requests.
8. Inspected installation of precast structures, underground services, concrete and earthworks.
9. Conducted material tests and analysis using [Type] equipment and tools.
10. 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).
11. Managed quality assurance and quality control requirements of contractor, including surveying and laboratory testing for concreting operations.
12. Established and implemented construction schedules, methods, equipment and labor requirements, using Gantt charts and [Software].
13. Assisted emergency management with disaster response and damage assessments during natural disasters.
14. Prepared and presented project cost estimates, determined project feasibility based on data analysis and recommended improvements.
15. Liaised with civil technicians to prepare and update maps, drawings and blueprints using manual and computer-assisted methods.
16. Performed maintenance duty on pumps, wastewater operations and commercial injection systems.