1. Visited project sites during construction to monitor progress and consult with contractors and on-site engineers.
2. Analyzed survey reports, maps, blueprints and other topographical and geologic data to effectively plan infrastructure and construction projects.
3. Prepared and maintained accurate and complete work records and reports using [Software].
4. Assisted in bidding process by providing for on-site inspections and preparing take-offs.
5. Accurately designed specifications for [Type] locations and projects after computing [Type] and [Type] requirements.
6. 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).
7. Developed low impact transportation, grading and storm water design strategies for sustainable infrastructure projects.
8. Achieved [Type] target with well-planned and implemented civil engineering solutions.
9. Educated general public through professional presentations and community discussions.
10. Monitored impacts of changes to infrastructure and [Type] systems, effectively determining courses of actions based on [Type] conditions.
11. Calculated load levels and material stress factors using [Software] to identify design constraints.
12. Controlled engineering activities to maintain work standards, adhere to timelines and meet quality assurance targets.
13. Computed load and grade requirements, material stress factors and water flow rates to determine design specifications.
14. Determined project feasibility by estimating materials costs and sourcing requirements.
15. Displayed strong communication and interpersonal skills while visiting clients, jobsites and consultant offices to support project and business development needs.
16. Performed construction observation and took soil samples.
17. Drafted and reviewed reports and specifications, including construction schedules, environmental impact studies and project designs.
18. Supported CIP projects and managed street and pavement projects.
19. Supervised all aspects of concrete batching and placement for [Type] infrastructures.
20. Identified and resolved potential structural issues.