

Omar Sherman

Resident Engineer, Construction Management

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SUMMARY

Construction engineering professional with five years supporting **municipal infrastructure projects** from field execution through closeout. Reviews contract documents, technical specifications, construction methods, materials, and installed work against project requirements. Coordinates contractors, inspectors, project managers, and construction personnel when field conditions require timely engineering judgment. Prepares calculations involving pipeline hydraulics, pumps, concrete mechanics, equipment performance, and electrical adequacy. Develops **schedule based cost tracking, contractor progress reviews, and cash flow analyses** that support sound project controls. Maintains field reports, technical records, quality documentation, and construction decisions with clear attention to project performance. Holds a Bachelor of Science in Civil Engineering and Engineer in Training certificate. Ready to contribute practical field leadership, sound calculations, and disciplined project coordination on municipal infrastructure work.

EXPERIENCE

Construction Engineer, Municipal Infrastructure

Blue Ridge Civil Engineering 📅 June 2021 - Present 📍 Albany, NY

Leads field engineering support for **municipal infrastructure projects**, connecting **contract requirements**, construction methods, technical calculations, quality verification, and project controls. Coordinates contractors, inspectors, project managers, and field personnel while maintaining records that support cost, schedule, and performance decisions.

- Reviewed municipal construction progress against **contract documents** and **technical specifications** during field operations.
- Evaluated installation methods, materials, and workmanship with project teams to support quality objectives.
- Prepared **pipeline hydraulics** calculations and equipment performance reviews for construction modifications.
- Coordinated contractors, inspectors, and project managers to resolve field issues and maintain progress.
- Developed **schedule based cost tracking** reports from milestones and contractor progress information.
- Maintained field reports and technical records supporting construction decisions and project documentation.

PROJECTS

Municipal Pipeline Delivery Controls 📅 2024

Improved field coordination by linking pipeline installation reviews, contractor milestones, technical records, and cost tracking into a clearer project control process.

Infrastructure Equipment Review 📅 2023

Applied engineering calculations and field observations to support equipment performance reviews, construction modifications, and practical decisions during municipal work.

LEADERSHIP & AWARDS

- Selected as a trusted field engineering resource for contractor coordination and construction issue resolution.
- Provided dependable technical records and progress information for project manager reviews and cost decisions.
- Supported quality focused delivery through consistent review of methods, materials, and installed work.

EDUCATION

Bachelor's Degree in Civil Engineering

Rensselaer Polytechnic Institute 🎓 GPA: 4.0 📅 2021 📍 Troy, NY

Coursework: Construction management, pipeline hydraulics, concrete mechanics, engineering calculations

CERTIFICATIONS

- Engineer in Training Certificate 📅 2023
- OSHA 30 Hour Construction Safety 📅 2024

TECHNICAL SKILLS

- **Construction Management:** Field engineering, contract administration, construction methods
- **Project Controls:** Schedule tracking, cost tracking, cash flow analysis
- **Pipeline Engineering:** Pipeline hydraulics, pipeline installation, flow calculations
- **Concrete Engineering:** Concrete mechanics, concrete work, material review
- **Pump Systems:** Pump calculations, pump performance, equipment review

- **Electrical Engineering:** Electrical adequacy, equipment performance, field verification
- **Contract Documents:** Technical specifications, contract requirements, project documents
- **Quality Control:** Workmanship review, material verification, installed work inspection
- **Field Documentation:** Field reports, technical records, construction decisions
- **Project Coordination:** Contractor coordination, inspector coordination, progress reviews
- **Engineering Software:** Spreadsheet analysis, calculation worksheets, schedule reporting

SKILLS

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|---------------------------|----------------------------|----------------------|---------------------------|
| • Construction Management | • Project Controls | • Cost Tracking | • Electrical Adequacy |
| • Civil Engineering | • Field Inspection | • Cash Flow Analysis | • Contractor Coordination |
| • Contract Documents | • Engineering Calculations | • Concrete Mechanics | • Technical Documentation |
| • Pipeline Hydraulics | • Municipal Infrastructure | • Pump Systems | |

PROFESSIONAL AFFILIATIONS

- Municipal infrastructure engineering community, focused on practical construction delivery and public works.
- Civil engineering professional network, engaged in field coordination, project controls, and technical development.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST