

Alexander Abbott

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FE certified civil engineer with experience in the design, implementation, and management of drinking water, storm sewer, and wastewater treatment systems. Consistently finishes projects under budget and ahead of schedule.

Committed to designing cost-effective and environmentally-conscious infrastructure solutions.

Education

Bachelor of Science in Civil Engineering, Minor in Energy and Environmental Systems

University of Colorado Boulder,
Boulder, CO
September 2014-June 2018

Courses Completed:

- Water resource management
- Environmental microbiology for engineers
- Geotechnical engineering
- Environmental life cycle assessment
- Resilient infrastructure for a changing climate

Key Skills

- Proficient with AutoCAD, StormCAD, and SewerCAD
- Strong analytical and problem-solving abilities
- Working knowledge of S-Frame and EPANET
- Experience with Microsoft Office

Credentials

- Fundamentals of Engineering (FE) certification, Colorado, December 2018

Professional Experience

Junior Engineer

CNS Construction, Pueblo, CO | January 2019 - Present

- ◆ Perform field investigation tasks for assigned projects, including site inspections and geophysical surveys
- ◆ Prepare and compute technical memoranda including due diligence reports, earthwork analysis, cost estimations, utility computations, job hazard assessments, and stormwater reports
- Coordinate work with architects and engineers of other disciplines
- Inspect inventories and prepare orders for civil projects in line with budgeted figures

Intern

Cunningham Consulting Group, Boulder CO | February 2018-August 2018

- Assisted senior engineers with designing sanitary sewers, water mains, storm drains, and wastewater treatment plant infrastructure
- Provided support in conducting alternative technology evaluations
- Prepared technical reports and compiled stormwater pollution prevention plans
- Assisted with flow monitor installation, smoke testing, and dyed water testing
- Developed a working knowledge of Federal and State wastewater regulations