
Professional

EXPERTISE

LELAND A. ASKELAND, P.E.

Civil Engineer

EDUCATION

B.S., Civil Engineering, Colorado State University, December 1985

REGISTRATION

Professional Engineer, Colorado, 1989

QUALIFICATIONS

Leland's responsibilities include project management, engineering design, master planning, utility routing, site basemapping, easement acquisition, permitting, field engineering and the preparation of reports, maps, cost estimates, plans and specifications.

Leland has managed and designed municipal and private development projects that include:

- commercial and residential site development
- storm drainage channels and systems
- streets and arterial roads
- sanitary sewer interceptors
- water transmission and distribution systems, pump stations, pressure reducing stations, and water storage facilities

PROFESSIONAL EXPERIENCE

2003 – Present – Western Engineering Consultants, Inc.

Project manager and engineer responsible for the civil engineering on municipal and site development projects.

1994 – 2003 – Rocky Mountain Consultants, Inc.

Project manager and design engineer for commercial and residential site developments, and municipal road, water and wastewater projects.

1986 – 1994 – Longmont Water and Wastewater Utilities Department

Project manager for twenty-six projects including sixteen of designed in-house. Projects include an 8 million gallon water tank, pump and prv stations, and 13.8 miles of lines. Planned capital projects and utility systems, developed water distribution system analysis and operations procedures. Easement acquisition and negotiations, land development review and coordination.

1985 – Summer – Terracon

Lab and field materials testing of soil, concrete and asphalt.

1978 – 1982 and Summer 1984 – Loveland Engineering Division

Plan and plat review, boundary and construction surveying, calculations, street and drainage design, plan, plat and map drafting.

1977 – 1978 – Land Surveyors of Colorado (Greeley)

Boundary and construction surveying, plat and plan drafting.



Western Engineering Consultants, Inc.

20 South 5th Avenue, Brighton, CO 80601

Phone 720 685-9951 www.westerneci.com

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PROJECT EXPERIENCE**Land Development Design and Construction**

- Biomedical Pharmaceutical Campus, Longmont. Site civil engineer for the 230 acre campus development. Includes utilities (water, fire water, sewer, storm drainage, grading, streets, gas), drainage and flood studies, construction related services, record drawings, system maps and basemapping. Prepared the civil components of the Master Plan, PUD, plat, utility projections and agreements which resulted in a 30 year plan vesting approval. Major civil components that have been designed and constructed:
 - Phase 1 and Phase 2 infrastructure
 - Lykins Gulch modeling and 100 year storm (3,200 cfs) channel design
 - Airport and Nelson Roads arterial streets
 - Water line and sewer interceptor extensions
 - Rogers Road collector street extension and bridge
- Westlake 7th, 8th, 9th, 10th, 11th and 12th Filings, Longmont. Design of utilities, streets, storm sewer and grading for the Westlake residential development. Also included 2,900 feet of 10" sanitary sewer line to serve the Shores.
- Cave Creek, Evans. Design of water, sewer, storm sewer, gas, grading, for the 450 lot development.
- Eagle Crest, Firestone. Design of arterial roads and a water transmission line.
- Village at Sugarmill Point, Longmont. Site design of the utilities and drainage for a 56 condominium development.
- Envirotest Site, Longmont. Design services for site utilities and street, plat for automobile testing facility
- Parkland Estates Airpark, Erie. Design taxiways profile and pavement.
- Parker Place Townhome Condominiums, Longmont. Design of streets and utilities for a 24 unit development. Develop a master water meter plan and distribution system.

Municipal Design and Construction

- North Saint Vrain Pipeline Replacement, Longmont. Design and construction observation of 7,200 feet of replacement of Longmont's 24-inch steel raw water line through Lyons in three phases.
- 17th Avenue Drainage Basin Study (Greeley Mall), Greeley. Basin Study including modeling of hydrology and hydraulics. Analysis of the existing retention/detention pond.
- Interceptor G, Phase 3, Longmont. Routing and preliminary design of 6,500 feet of 30" sanitary sewer interceptor to serve the Spring Valley Basin and relieve an existing system.
- Interceptor G Phase 1, Longmont. Project Manager for the basin study, design and installation of 15,000 feet of 27 and 42-inch sanitary sewer line to initially serve the McLane site and eventually the east side of Longmont. Easement acquisition was required for most of the route.



- Interceptor G, Phase 2, Longmont. Design of 14,300 feet of 42-inch and 36-inch interceptor to serve the Spring Valley Basin. Easement acquisition assistance and construction phase services.
- Interceptor "F" Sanitary Sewer, Longmont. Design of 4,100 feet of 21-inch, 18-inch and 15-inch interceptor line adjacent to Left Hand Creek.
- 12-inch Waterline - Larimer County Road 23. Design of 8,400 feet of water transmission line including one bore.
- Airport Road Interceptor, Longmont. Design and project management for 4,400 feet of 15-inch sanitary sewer from Dry Creek to the airport. Diagonal bore across Nelson Road.
- Nelson Road 24" Waterline, Longmont. Design of 3,000 feet of 24-inch water transmission line.
- Kimbark and Fourth Avenue Waterline, Longmont. Design of 1,920 feet of replacement line. Coordination with the new library/Civic Center project.
- Alpine Street Water Transmission Line/Skyline Pump Station Pipe Removal, Longmont. Plan, design and manage 1,910 feet of 20-inch transmission line installation, and repipe and revalve external pump station pipe. This project solved a winter water quality problem and increased operations flexibility.
- Airport Road Water Transmission Line, Longmont. Project Manager for design and installation of one river crossing and five major ditch crossings. Projects included 11,565 feet of 24-inch, 1900 feet of 12-inch line and easement acquisition.
- North Water Storage Tank and Transmission Lines, Longmont. Project Manager for an eight million gallon tank and 12,000 feet of 36-inch and 48-inch line. Project included two highway bores and several major ditch crossings, easement acquisition permitting and tank site purchase. Also included was 4,500 feet of 8-inch line installed for Longs Peak Water District.
- Water System Rezoning, Longmont. Project Manager for the design and installation of two pressure reducing stations and 600 feet of 12-inch line. Also responsible for planning and coordinating the phasing of zone boundary shifts.
- East Side Water Transmission Lines, Longmont. Project Manager for the design and installation of 18,300 feet, 12, 16 and 20-inch waterline to initially serve the McLane site. Included were several road, ditch and railroad bores, and easement acquisition.

PROFESSIONAL ORGANIZATIONS / ASSOCIATIONS

- Member, American Society of Civil Engineers
- Member, American Water Works Association

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