

CHRISTOPHER SAVAN, P.E. (CO, WY)

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Qualifications Profile

I am an experienced civil engineer and city planning professional. I worked in the municipal planning and engineering settings as well as private civil engineering practice. I have worked in multiple government jurisdictions, and I have applied for planning applications with multiple municipal jurisdictions.

Employment

Fremont Engineering & Surveying, Lander, WY

Engineering Manager (January 2024 – Present)

- Design grading, drainage, utility, erosion control, and infrastructure plans and create associated reports.
- Meet with developers, contractors, and municipal jurisdiction staff.
- Prepare cost estimates.
- Prepare proposals and manage client recruitment and retention.
- Review personnel applications.

City of Lakewood, Lakewood, CO

Civil Engineer III - Stormwater, Public Works Department (April 2023 - October 2023)

- Served as the project manager for the City's storm sewer and major drainageway improvements. Managed City's on-going \$45 million North Dry Gulch Drainage Project. Deliverables for the phase of the North Dry Gulch project that I was involved in included 90% and 100% storm sewer engineering design, cost estimates, and contract documents for construction on a half-mile reach of storm sewer to remove multiple properties from the FEMA 100-year floodplain.
- Managed consultant and sub-consultant team members on multiple drainage projects through regular coordination meetings reviewing engineering design, project costs, and timelines.
- Updated the 5-year stormwater CIP plan and managed the City's stormwater CIP budget.
- Partnered with Mile High Flood District for capital improvement projects, studies, and maintenance projects by reviewing intergovernmental agreements, requesting funding, and managing projects.
- Reviewed construction plans, reports, and drainage calculations prepared by engineering consultants.

Civil Engineer III, Public Works Department (August 2022 - April 2023)

- See duties listed in entry below under City of Lakewood, Civil Engineer II (September 2017- February 2022)

City of Aurora, Aurora, CO

Senior Engineer, Public Works Department (February 2022 - August 2022)

- Reviewed civil engineering designs for compliance with City, State, and Federal regulations. This includes analyzing hydrologic and hydraulic calculations to properly size utilities and drainage facilities.
- Calculated the storm sewer system requirements and compared them to the proposed system to ensure the storm system had adequate capacity for drainage and detention facilities.
- Reviewed erosion control plans, grading plans and street construction plans. Calculated vertical and horizontal alignments for roadways and checked them for compliance with City and State engineering design standards.
- Performed quality control checks on plan reviews completed by other civil engineering staff members on street construction plans, drainage reports, and stormwater management plans.
- Provided training to City staff on review of stormwater management plans and use of software for review of engineering plans and reports.

City of Lakewood, Lakewood, CO

Civil Engineer II, Public Works Department (September 2017 - February 2022)

- Reviewed land development projects for compliance with municipal, state, federal regulations, and Mile High Flood District criteria. This includes ADA guidelines, state and local drainage regulations, stormwater management guidelines, water quality BMPs and detention, public improvement standards, geotechnical and pavement standards, retaining wall requirements, transportation design standards, and water and sanitary sewer utility standards. Project reviews include 200+ unit multi-story apartment buildings, single-family subdivision, infill housing, schools, and commercial developments.
- Reviewed calculations for drainage reports, proposed storm sewer, detention facilities, sanitary sewer, and retaining walls.
- Met with developers, consultants, regarding development submittals and path to approval.

- Review public Improvement agreements and provide direction to staff on cost estimates and narrative.
- Review projects for conformance with City's Flood Plain Management Ordinance.
- Perform site inspections for public improvements and drainage facilities.

Galloway & Company, Greenwood Village, CO

Civil Design Engineer (September 2015 - September 2017)

- Designed site grading, storm sewer pipes, inlets, sanitary sewer, water lines, and dry utility alignments for new commercial and industrial developments. Designed site layouts and right-of-way improvements for new developments. Utilized AutoCAD Civil3D and StormCAD for design.
- Prepared civil plans and planning documents for permit submittals of on-site and right-of-way work for multiple government jurisdictions in Colorado, Wyoming, and California. Coordinated site development and construction with municipal plan reviewers, architects, consulting engineers, contractors, and developers.
- Prepared hydrologic and hydraulic calculations. Prepared drainage reports per municipal and Mile High Flood District criteria.
- Prepared cost estimates, quantity take-offs, and specifications for site improvements.
- Reviewed project budgets and billing.

GDA Engineers (now Ardurra Group), Cody, WY

Project Engineer (January 2015 - September 2015)

- Designed grading, drainage, runway and roadway geometry for airports and commercial projects in Civil 3D using advisory circulars, AASHTO design guides, and HEC manuals.
- Prepared Stormwater Pollution Prevention Plan and Spill Prevention, Control and Countermeasure Plan for construction projects.
- Performed initial environmental reviews for federal, state, and local regulations for roadway rehabilitation/reconstruction.
- Created project cost estimates. Prepared specifications and reviewed contractor submittals.
- Wrote design reports and prepared calculations for grading take-off and drainage.
- Performed on-site construction inspections for compliance with plans and specifications.

City of Newport Beach, Newport Beach, CA

Planning Technician, Planning Department (December 2007- July 2010)

- Served as project manager for new residential and commercial development projects, functioning as a public sector liaison to private sector project managers.
- Performed residential and commercial plan checks for compliance with zoning code, general plan, California Environmental Quality Act, and coastal land use policies.
- Prepared staff reports for use permits, modifications, and parcel maps to be presented to appointed and elected officials.
- Compiled and analyzed statistical data related to workload (inputs) and labor (activity) to create a performance measurement system for the plan review process.
- Provided customer service at public counter and on the phone regarding zoning regulations.

City of Mission Viejo, Mission Viejo, CA

Planning Intern, Planning Department (March 2007- December 2007)

- Conduct a study of the City's alcohol beverage control licenses.
- Review planning applications for compliance with the City's Zoning Code.

Education

University of Wyoming, Laramie, WY

Civil Engineering, M.S (December 2014)

Civil Engineering, B.S. (August 2013)

University of Washington, Seattle, WA

Political Science, B.A. (June 2006)