



PROFESSIONAL ENGINEERING SERVICES

Randy P. Wall, PE, MPA

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Expert in Civil Engineering, Land Development, and Residential Structural Engineering. Over 40-years of experience with subdivision and commercial project land development permits, design, and construction, and structural and site design of high-end residences in snow country and on hillsides. Master of Public Administration, local government, and regulatory agency entitlement processing specialist. Professional Development Instructor in the Engineering Industry, teaching contracts, risk management, project management, professional liability, writing, and communication skills. Holds Professional Engineering licenses in 13-states.

KNOWLEDGE, SKILLS, EXPERIENCE, TRAINING, AND EDUCATION

Mr. Wall's communication, research, writing, and professional experience give him the ability to originate expert reports and provide testimony that articulate convincing fact-based narratives. At age 51, Mr. Wall was admitted to the Master of Public Administration (MPA) program at Montana State University in Bozeman, Montana. At age 53, after two years of intensive research and peer reviewed writing, he earned his MPA with a 3.95 grade point average. Mr. Wall has developed the ideal skill set for expert witness work through his

practice as a licensed Civil Engineer (since 1987), having his Professional Engineering (Civil Engineering) license in 10-states, conducting professional development instruction in the Civil Engineering industry, his voracious lifelong learning, business acumen, graduate level communication, forensic research, and writing skills, and entrepreneurial mastery. This exceptional skill set gives Mr. Wall the ability to write impressive expert reports and provide authentic testimony that explains complex concepts in plain easy to understand language that educates, influences, and has a high-impact on opposing counsel, trial judges, and juries.

PROFESSIONAL EXPERIENCE

Professional Engineering Services, Boise, ID

Since 2020

Expert Witness and Principal Consultant

- *Provides forensic engineering, expert witness, and Civil Engineering consulting services.*
- *Areas of expertise include construction defects, professional and premise liability; Civil and Structural Engineering; professional liability claims assessments; forensic analysis for property loss claims; construction due diligence, schedule impact, delay claims, and contracting; local government expert; land use; and regulatory agency permit processing.*
- *Pertinent Expert Witness projects include:*
 - *Motorcycle accident in western Montana concerning the case of a motorcycle rider (plaintiff) and highway construction contractor (defendant); hired as an Expert for the defendant to perform a forensic analysis of contract documents, construction documents, schedules, safety procedures, depositions, and other evidence; Expert report opined the contractor was not negligent or at fault, and the case was settled out of court.*
 - *United States Bureau of Reclamation (USBR) Easement of Necessity appeal; hired as a Land Use expert to obtain an easement of necessity across USBR land adjacent to an 80-acre parcel of land in Idaho created at the turn-of-the-century; the parcel was created by a quiet-title action by the USBR which landlocked the property; the current status is a pending appeal to the Secretary of the Interior that appeals two prior denials by the USBR.*
 - *Construction defects for Retaining Wall in Boise, Idaho; Hired as an expert to evaluate settling and deflection of a variable height stacked block retaining wall (6-foot maximum height) around a backyard swimming pool; forensic analysis included a site survey and*

engineering analysis of soil settlement and wall deflections; Expert report opined the contractor (defendant) was not qualified to construct a stacked block retaining wall, used improper construction methods and techniques, and was negligent in the determination of the cost of the construction and the construction of the wall, which caused harm to the owners (plaintiffs); the case was settled out of court in favor of the plaintiffs.

- *Specific Civil Engineering and Structural projects include:*

- **Bogus Basin Ski Area, Boise, ID**

- *Conducts feasibility studies, planning and budgeting, surveying, mapping, land planning, and Civil Engineering projects in accordance with the Bogus Basin Beyond 75 Master Development Plan.*
 - *Engineering feasibility analysis, design, and construction oversight for various mountain projects.*
 - *Bitterroot and Coach chair lift replacements.*
 - *Adventure course and zip lines.*
 - *Pioneer Lodge remodeling and expansion.*
 - *Silver Queen parking expansion.*
 - *Property line analysis and resolution of boundary issues between the Bogus Basin Recreation Association Pioneer Inn Condominium Association.*

- **Hedrick Residence, Eagle, ID**

- *Completed vertical and lateral structural analysis, engineering design, construction details, and structural calculations for the 6,000-sf lakefront single family residence.*
 - *Design challenges included lack of braced panels necessitating rigid moment frames to resist building code required lateral loading.*

- **Kinghorn Residence, Ada County, ID**

- *Performed topographic surveying and forensic engineering analysis of site grading, drainage, and retaining walls constructed the Hillside Overlay District to resolve grading violations.*
 - *Addressed litigation issues associated with violation of building setbacks and property line encroachments for the single-family residence.*

- *Originated grading and drainage plan and worked directly with the Ada County Engineer to obtain plan approval, resolve grading violations, and certify improvements.*
- **Warm Springs Investment Group, LLC, Boise, ID**
 - *Performed topographic surveying and provided Civil Engineering services to redesign the grading, drainage, and retaining wall plans for the custom single-family residence.*
 - *Resolved property line encroachment issues on adjacent properties.*
 - *Facilitated issuance of the Certificate Occupancy by the City of Boise Building Department.*
- **Rooster Hollow Subdivision, Star, ID**
 - *Retained to participate in the City of Star Comprehensive Plan update process to assure the future land use designation would result in the highest and best use of the property.*
 - *Worked directly with the City of Star Planning Department on the completion of the Comprehensive Plan and confirm land use designations.*
 - *Subsequent to the update of the Comprehensive Plan, originated and obtained approval of the preliminary plat, grading and drainage plan, rezone, and Planned Unit Development application for 64-lots on 14.4 acres, including the following.*
 - *26-single-family residences, 20-townhomes, 6-live work units, 2-commercial lots, 4-light-manufacturing lots, and 6-common lots.*
 - *The approval of the first leg of a major arterial collector frontage road adjacent to State Route 44 per the City of Star Master Transportation Plan.*
 - *An approved encroachment onto State Route 44 by the City of Star, Canyon County Highway District No.4, and the Idaho Transportation Department (ITD).*

Vertex Engineering, Boise, ID

July 2022 – August 2023

Senior Forensic Engineer

- *Performed site inspections and authored Expert Reports for various insurance claims.*

Principal Consultant

- *Works with engineering firms and practitioners to develop soft skills to fill gaps and balance technical skills to improve engagement and boost profitability.*
- *Created an online curriculum that leveraged technology and developed top skills sought by employers.*
- *Professional Development instructor for ASCE, NSPE, ACEC, and the Montana Society of Engineers (MSE).*

HECO Engineers, Boise, ID

2018-2020

Senior Project Manager

KLJ Engineering, Inc., Dickinson, ND

2014-2015

Municipal Group Leader

- **Dickinson Middle School, Dickinson, ND**
 - *As the Project Leader, responsibilities included: feasibility studies and facilitation of negotiations for property acquisition for the 200,000 square foot school to accommodate 960 students in grades six through eight.*
 - *Determined project scope, schedule, and budget horizontal design services; negotiated and converted engineering services contract.*
 - *Provided land planning, building siting, traffic circulation, site plan, grading and drainage plan, and stormwater management design services through schematic design, design development, and final design.*
 - *Coordinated underground utilities design.*
 - *Managed construction staking and inspections during construction.*
- **St. Joseph's Hospital & Clinic, Dickinson, ND**
 - *Responsible for all aspects of Civil Engineering design and construction, grading and drainage, stormwater, utilities, construction surveying and inspections, and final mapping for the 106,000-sf hospital and clinic.*
 - *Successfully resolved conflicts between owner and contractor.*
 - *Originated expanded work scope, negotiated contract amendments, and completed the additional services to resolve construction issues.*
 - *Collaborated with the owner and the City of Dickinson to implement the land use master plan to maximize value of the newly created lots.*

- *Facilitated cooperation between the owner and the City of Dickinson to aid in the successful opening and operation of the facility.*

Moore Engineering, Inc., Minot, ND

2013-2014

Senior Municipal Engineer

- *Originated and implemented a Strategic Business Plan for the greater Minot, North Dakota region. Significant accomplishments included: provided leadership and co-management of office operations; \$4.5M water facilities improvement project with the City of Garrison; and Project Manager for various land planning and engineering projects on the Fort Berthold Indian Reservation.*

Quality of Life Consultants, LLC, Bozeman, MT

2009-2013

President

- *Principal Civil Engineer, Structural Engineer, Land Planner, and Project Manager. Brought collaborative, high-quality solutions to complex land planning and structural engineering projects in a challenging economic and regulatory market.*

Stahly Engineering & Associates, Bozeman, MT

2008-2009

Senior Project Manager

R&B Engineering, Inc., Auburn, CA

1990-2008

President

- *Project manager for the creation of large master planned commercial and residential projects; provided structural engineering, forensic engineering, and expert witness services; provided the leadership to create a strategic plan and a culture of impunity resulting in organizational growth of over 300%.*
- **Board of Supervisors – Appeal for Ceronix, Inc., Auburn, CA**
 - *Successful appeal to the Placer County Board of Supervisors of the Planning Commissions denial of the proposal to install an irrigation well on the Ceronix Corporate Campus.*
 - *The denial was based in the Planning Commissions interpretation of the surface water goals and policies in the Placer County General plan and was overturned by the Board of Supervisors by unanimous vote.*

- **Board of Supervisors – Property Owner’s Appeal, Auburn, CA**
 - *Retained by the Property Owner’s legal counsel to appeal the denial of the Placer County's Planning Commissions of a variance to a property line setback.*
 - *The Planning Commissions denial of the variance was based upon a protracted disagreement between the adjacent property owners.*
 - *The denial was overturned by the Board of Supervisors, based upon the argument the intent of the Placer County General Plan and zoning ordinance was to protect the health, safety, and welfare of the citizens by approving the variance thereby not requiring the demolition of a portion of the Clients residence that protruded into the side yard setback.*

Nevada City Engineering, Inc., Nevada City, CA

1988-1990

Civil Engineer & Project Manager

Pacific Gas & Electric Company, San Francisco, CA

1984-1988

Civil Design Engineer

PROFESSIONAL ENGINEERING LICENSES

California, License #C043135

Colorado, License #PE.0042067

Georgia, License #PE054224

Idaho, License #P-18145

Maryland, License #65036

Missouri, License #PE-2025019835

Montana, License #PEL-PE-LIC-17416

Nevada, License #011956

New York, License #110442

Oregon, License #94428PE

Utah, License #14185390-2202

Washington, License #22026669

Wyoming, License #PE 12076

CERTIFICATIONS

National Council of Examiners for Engineers and Surveyors (NCEES) Record
(ability to quickly obtain my Professional Engineers License from other States via comity)

PADI Advanced Open Water Diver

PADI Open Water Diver

OSHA 10

LEED AP Homes #10645393 (2012 – 2014)

EDUCATION

Montana State University, Bozeman, MT 2011

Master of Public Administration (MPA)

University of California at Davis, Davis, CA 1984

Bachelor of Science (BS), Civil Engineering

PUBLICATIONS

1. **Wall, Randy, *A Study of a Special District for Park Maintenance in the City of Bozeman*, Master of Public Administration Professional Paper. (2011)**
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PRESENTATIONS

1. **Wall, Randy**, ASCE Southern Idaho Section: **Effective Techniques for Engineering Managers**. 2025.
2. **Wall, Randy**, ASCE Southern Idaho Section: **How to Make an Effective Promise**. 2024.
3. **Wall, Randy**, Montana Joint Engineers Conference: **How to Make an Effective Promise & Make Engineering Fun Again**. 2022.
4. **Wall, Randy**, Montana Joint Engineers Conference: **Increase Sales Through Strategic Planning & How to Increase Your Sales**. 2021.

5. **Wall, Randy**, Montana Joint Engineers Conference: **The Unwritten Laws of Engineering**. 2019.
6. **Wall, Randy**, Montana Joint Engineers Conference: **Project Management Bootcamp**. 2018.
7. **Wall, Randy**, NSPE National Convention: **Texts & Emails that Fuel Engineering Success**, 2018.
8. **Wall, Randy**, NSPE Webinar: **Closing the Soft Skills Gap in Engineering Practice**, 2018.
9. **Wall, Randy**, NSPE Webinar: **The High Demand for Social Skills in Engineering**, 2018.
10. **Wall, Randy**, NSPE Webinar: **Staying Relevant: The Lifelong Learning Journey**, 2018.
11. **Wall, Randy**, Montana Joint Engineers Conference: **Communicate Clearly through Writing**, 2017.
12. **Wall, Randy**, Montana Joint Engineers Conference: **Contracts for Professional Engineers**, 2016.
13. **Wall, Randy**, NSPE Webinar: **Best Practices to Communicate Clearly through Writing**, 2018.

APPOINTMENTS

- **Planning & Zoning Board Member** - City of Bozeman, MT, 2012 – 2013. Heard zoning cases, rendered decisions regarding planning and zoning issues, interpreted the City's community plan, and made recommendations to the Bozeman City Council.
- **Design Review Board Member** - City of Bozeman, MT, 2008 to 2012. Served as the Civil Engineering and Land Planning expert on the Design Review Board, reviewed project designs and determined conformance with the City of Bozeman zoning ordinance and design guidelines and made recommendations to the Bozeman City Council.
- **Planning Commission - Chairperson & Member**, City of Auburn, CA, 1998 to 2002. Performed design review of proposed projects, determined conformance with the City of Auburn zoning ordinance and design guidelines, approved environmental reviews, land development, and conditional use permits, originated and approved findings of fact and conclusions of law, and made recommendations regarding property rezones and annexations to the Auburn City Council.

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers (ASCE), Southern Idaho Section, Member # 10635594, Since 2023
- Montana Society of Engineers (MSE), Since 2023-2025
- American Society for Testing and Materials (ASTM), Member #2419713, Since 2023
- Association for Challenge Course Technology (ACCT), 2023-2024
- National Ski Area Association (NSAA), Since 2022
- Professional Ski Instructors of America (PSIA), Member # 177601, Since 1982
- United States Ski and Snowboard Association (USSA), Member #5825070, Since 2025

SPECIAL TRAINING

- **Concrete Cantilever Retaining Wall Design & Detailing**, Taught in-house seminar, Spring 2025.
- **Tech Talk: Changes to International Building Code (IBC) Snow Loads**, Weyerhaeuser-Truss Joist, Spring 2025.
- **A Guide to Swelling Soils for Colorado Homebuyers and Homeowners** - Colorado Geological Survey Special Publication 43, 2007, Self-study, Winter 2025.
- **Engineering Ethics Course**, PDH-PRO, Winter 2025.
- **Professional Ethics for Engineers**, AXA XL Insurance, Winter 2025.
- **Practicing Within the Standard of Care Webinar**, PLAN/AXA-XL Insurance, Winter 2025.
- **AIA Contract Document Workshop**, Halfmoon Education, Inc., Winter 2025.
- **Risk Drivers 3: Understanding The Dynamics of Risk in the Design Industry**, AXA-XL Insurance, Fall 2024.
- **ASTM Officers Training Workshop**, ASTM Headquarters, Fall 2024.
- **IBC 2021 Code Conforming Wood Design**, American Wood Council, Fall 2024.
- **How to Refine, Improve, and Grow Your Expert Witness Practice**, SEAK, Inc., Fall 2024.
- **Simplifying IRC Wall Bracing Requirements**, American Plywood Association, Summer 2024.
- **Nevada Chapter 625 Statutes and Regulations – Webinar**, Nevada Board of Professional Engineers and Land Surveyors, Spring 2024.

- **Professional Ethics – Webinar**, Nevada Board of Professional Engineers and Land Surveyors, Spring 2024.
- **Improving Civility in the Courtroom: Reducing Conflict in the Legal Profession**, Idaho State Bar Association, Spring 2024.
- **Preventing and Addressing Construction Defects and Failures in Idaho**, Half Moon Education, Inc., Winter 2024.
- **Downtown Boise Transportation Update**, ASCE Southern Idaho Section, Winter 2024.
- **Hot Topics in Energy Law**, Idaho State Bar Environment and Natural Resource Law Section, Winter 2024.
- **How to Write a Bulletproof Expert Witness Report**, SEAK, Inc., 2023.
- **Standard Update: 2021 Special Design Provisions for Wind and Seismic**, American Wood Council, Fall 2023.
- **Project Management Professional Exam Prep Course (35-hours)**, ITIC-Systems-US, 2023.
- **How to Start, Build, and Run a Successful Expert Witness Practice**, SEAK, Inc., 2022.
- **How to Be an Effective Expert Witness**, SEAK, Inc., 2022.
- **Rockery Wall Analysis and Design**, Self-study, 2021.
- **Javelin Design & Analysis, Modeling, and Program Output**, Weyerhaeuser-Truss Joist, 2021.
- **Communication for Design Professionals**, AXA XL, 2021.
- **Deck Design and Construction Technical Panel**, American Wood Council, 2020.
- **Wall Bracing 1, 2, & 3**, American Plywood Association, 2020.
- **Role of the Planning Commissioner**, University of California at Davis.
- **Planners Institute**, League of California Cities.
- **Fundamentals of Successful Project Management**, SkillPath Seminars.
- **Financial Aspects of Planning**, University of California at Davis.
- **Design Review – A How-to-Course**, University of California at Davis.
- **Contract Basics for Project Managers**, American Society of Foundation Engineers.
- **California Law for Design Professionals**, Lorman Educational Services.
- **California Environmental Quality Act**, University of California at Davis.