

**CURRICULUM VITAE FOR:**  
**RANDY P. WALL, PE, MPA**



**PROFESSIONAL  
ENGINEERING  
SERVICES**

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**SUMMARY OF EXPERTISE**

Mr. Wall serves as an Expert Witness, Forensic Engineer, and Consulting Engineer for the Civil and Structural Engineering, Land Planning, and Construction industries. As a Professional Civil Engineer and Educator, Mr. Wall utilizes his experience to provide high quality professional consulting services. These services include forensic analysis and expert witness for the structural, site, grading, and drainage design and construction of high-end custom single-family residences located in lower elevations, hillsides, and snow countries; professional and premise liability; risk assessment and mitigation; Civil and Structural Engineering; professional liability claim assessments; forensic analysis for personal injury and property loss claims; construction due diligence, schedule impact, delay claims, and contracting; and litigation support and expert testimony. Mr. Wall has been the Owner and Principal of two Civil Engineering and Land Planning firms, an Education firm that provides professional development for Professional Engineers by teaching professional, organizational, and soft skills, and has served as Projects Leader for the conception, acquisition, planning, funding, permitting, design, and construction for small, medium, and large scale residential, commercial, industrial, municipal, education, and Native American projects.

Grounded in over 40-years of broad and deep experience as a Civil Engineer and business owner, and as an expert in the forensic engineering, expert witness, structural engineering, land planning, and education markets, Mr. Wall leverages a finely honed set of soft and technical skills in an innovative, relationship-based, collaborative, and iterative approach to create extraordinary human interactions and consistently deliver high value project outcomes.

## **ENGINEERING INDUSTRY HISTORY**

**Principal Consultant** – Professional Engineering Services, 2020 to present. Provides exceptional forensic engineering, expert witness, and Civil Engineering consulting services to conceive, design, and successfully deliver complex, time, and budget critical projects. Areas of expertise include forensic analysis and expert witness for construction defect, professional and premise liability; and consulting for property owners and managers; Civil and Structural Engineering; professional liability claims assessments; forensic analysis for property loss claims; construction due diligence, schedule impact, delay claims, and contracting; and litigation support and expert testimony.

**Principal Consultant** – Engineering Leadership Institute, 2015 to present. 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).

**Senior Project Manager** – HECO Engineers, 2018 to 2020. Grew the industrial and commercial market segments in the HECO portfolio by over 300%. Lead Client and project development, managing diverse Teams and projects to consistently deliver high value outcomes. Project Manager for over \$30M in Commercial projects.

**Municipal Group Leader** - KLJ Engineering, Inc., 2014 to 2015. Developed and lead the most productive and highest revenue generating group in the 12-office Municipal Practice Area. Increased team efficiency and profitability through the teaching and balancing of soft and technical skills. Project Manager for approximately \$50M of municipal, \$80M of education, \$110M of healthcare, \$25M of Tribal, and various land development projects in the greater western North Dakota region. Assisted corporate leadership with strategic planning, business system origination and implementation, and high-performance skill development.

**Senior Municipal Engineer** - Moore Engineering, Inc., 2013 to 2014. 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.

**President** - Quality of Life Consultants, LLC, 2009 to 2013. 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.

**Senior Project Manager** - Stahly Engineering & Associates, Inc., 2008 to 2009.

**President** - R&B Engineering, Inc., 1990 to 2008. 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%.

**Civil Engineer & Project Manager** – Nevada City Engineering, Inc., 1988 to 1990.

**Civil Design Engineer** – Pacific Gas & Electric Company, 1984 to 1988.

## **EDUCATION**

B.S., Civil Engineering, University of California at Davis 1984

M.A., Public Administration, Montana State University Bozeman 2011

## **LICENSES & CERTIFICATIONS**

Professional Engineer (PE) – Civil, State of CA, CO, ID, MT, NV, OR, WA, WY

OSHA 10

PSIA Northern Intermountain Education Staff

Level 3 Certified Telemark Ski Instructor, PSIA

Level 2 Certified Alpine Ski Instructor, PSIA

PADI Advanced Open Water Diver, #23120Z2191

PADI Open Water Diver, #81201698

## **PROFESSIONAL ORGANIZATIONS AND SOCIETIES**

Professional Ski Instructors of America (PSIA), Member #177601, 1982 to present.

Association for Challenge Course Technology (ACCT), 2023 to present.

American Society for Testing and Materials (ASTM), Member #2419713, 2023 to present.

American National Standards Institute (ANSI), Member #552593, 2023 to present.

Project Management Institute (PMI), Member #8901725, 2023 to present.

National Ski Area Association (NSAA) Member, 2022 to present.

Intermountain Ski Area Association (ISAA) Member, 2023 to present.

Montana Society of Engineers (MSE), 2023 to present.

American Society of Civil Engineers (ASCE), Member #10635594, 2023 to present.

## **SPECIAL TRAINING**

**Preventing and Addressing Construction Defects and Failures in Idaho**, Half Moon Education, Inc., Winter 2024.

**Hot Topics in Energy Law**, Idaho State Bar Environment and Natural Resource Law Section, Winter 2024

**ANSI B77 Full Committee Meeting**, NSAA, Winter 2024

**How to Write a Bulletproof Expert Witness Report**, SEAK, Inc., 2023

**Fall Education Series Wrap-Up**, NSAA, Fall 2023.

**Discipline Chair and Education Team Leadership Training – PSIA-NI**, Fall 2023.

**ASTM Committee F24 on Amusement Rides and Devices - National Meeting**, Fall 2023.

**Resort Operations in the Age of Nuclear Jury Verdicts**, NSAA Fall Education Series 2023.

**Ski Statute: Do You Know What's In Yours?**, NSAA Fall Education Series 2023.

**Regional Roundup: Claims, Trends, And Trials In Your Region, And Important Operational Take-Aways**, NSAA Fall Education Series 2023.

**Hot Takes And Key Trends - Unique Aspects Of Risk Management**, NSAA Fall Education Series 2023.

**ASTM Committee F27 on Snow and Water Sports – Committee Meeting**, Summer 2023

**Industry Report Card – Litigation & Risk**, NSAA, MountainGuard, Safehold, and Association of Ski Defense Attorneys (ASDA), ISAA Spring Conference, 2023

**The Evolving Labor Landscape**, NSAA Risk & Regulatory Affairs, ISAA Spring Conference, 2023

**ANSI B77.1-2022 Update**, NSAA B-77.1 Administrator/Ropeway Engineering, ISAA Spring Conference, 2023

**Dynamic Acceptance Testing per ANSI B77.1 2022**, Skytrac Services, ISAA Spring Conference, 2023

**Project Management Professional Exam Prep Course (35-hours)**, ITIC-Systems-US, 2023

**Flying High – A Deep Dive on Zipline Considerations**, NSAA 2023 Western Winter Conference

**Explosive, Regulations, Inspections, and Emerging Trends**, NSAA 2023 Western Winter Conference

**Lift Safety Bootcamp**, NSAA 2023 Western Winter Conference

**How to Start, Build, and Run a Successful Expert Witness Practice**, SEAK, Inc., 2022

**How to Be an Effective Expert Witness**, SEAK, Inc., 2022

**Storm Sewer Design and Analysis using StormCAD**, Haestad Methods

**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

## **ASSOCIATIONS**

**ACCT Consensus Group Member** (voting member), 2023 to present.

**ASTM F24 Standard for Amusement Rides and Devices Committee Member**, 2023 to present (voting member).

**ASTM F27 Standard for Snow and Water Sports Committee Member**, 2023 to present (voting member).

**Bogus Basin Recreation Association (BBRA) Member**, 2022 to present.

**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 - Chairman & 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 rezones and annexations to the Auburn City Council.

## **PRESENTATIONS & PUBLICATIONS**

### **Montana Joint Engineers Conference**

- How to Make an Effective Promise & Make Engineering Fun Again (2022)
- Increase Sales Through Strategic Planning & How to Increase Your Sales (2021)
- The Unwritten Laws of Engineering (2019)
- Project Management Bootcamp (2018)
- Communicate Clearly through Writing (2017)
- Contracts for Professional Engineers (2016)

### **NSPE National Convention**

- Texts & Emails that Fuel Engineering Success (2018)

### **NSPE Webinars (2016 - 2018)**

- Best Practices to Communicate Clearly through Writing
- Closing the Soft Skills Gap in Engineering Practice
- The High Demand for Social Skills in Engineering
- Staying Relevant: The Lifelong Learning Journey

### **Master of Public Administration Professional Paper - Montana State University**

- A Study of a Special District for Park Maintenance in the City of Bozeman, Montana (2011)

## **RELEVANT EXPERIENCE**

### **Civil Engineering, Land Planning, & Project Leadership | Relevant Experience**

Mr. Wall's practice over the last 35-years has consisted of an array of engineering of site, grading, drainage, utility plans, and structural engineering working with Clients from property acquisition through regulatory agency permitting to design and construction of major land development projects, and the assembly and leadership of high-performance A&E Teams to consistently deliver quality project outcomes. The following are a few of the project successes

resulting from Mr. Wall's technical, planning, regulatory agency, business, and interpersonal expertise.

**Bogus Basin Ski Area (2020 - present) | Boise, ID**

Mr. Wall has been and is currently working directly with the General Manager, Mountain Manager, and Skier Services Manager to conduct feasibility studies, planning and budgeting, surveying, mapping, land planning, and Civil Engineering design and construction oversight for various mountain projects contained in the Bogus Basin Beyond 75 Master Development Plan originated by SE Group. The most notable projects have been the feasibility, planning, grading and drainage design, retaining wall design, and budgeting for the 365-space Silver Queen parking expansion, retained as the Owner's Representative to oversee the installation of the adventure course and zip lines by Challenge Towers, and providing boots-on-the-ground consulting to solve localized grading and drainage issues throughout the ski area, and the relocation of new chairlifts and the development of ski runs associated with the new lifts.

**Structural Engineering - Hedrick Residence (2021) | City of Eagle, ID**

Complete 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 the code required lateral loading.

**Resolution of Grading Violation – Kinghorn Residence (2020 - 2022) | 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 associated with litigation regarding violation of building setbacks and property line encroachments for the single-family residence; originated grading and drainage plans, submitted plans to Ada County, and worked directly with the County Engineer to certify improvements and resolve the grading violations.

**Redesign of Grading and Drainage Plan for Hillside Home – Warm Springs Investment Group, LLC (2020) | City of Boise, ID**

Perform topographic surveying and provided Civil Engineering services to redesign the grading, drainage, and retaining wall plans, and resolve property line encroachment issues on adjacent properties; the prior Engineer of Record had submitted their plans seven (7) times to the City of Boise and was unable to resolve the site issues; the first submittal of the redesigned grading, drainage, and retaining wall plan was approved by the City of Boise, the site improvements were completed, and the Certificate of Occupancy was issued for the residence.

**Rooster Hollow Subdivision (2020 - 2021) | City of 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. When the Comprehensive Plan update was completed, 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 26-single-family residences, 20-townhomes,

6-live work units, 2-commercial lots, 4-light-manufacturing lots, and 6-common lots. The project approval also included the approval of the first leg of the arterial collector frontage road adjacent to, and an encroachment onto State Route 44 by the City of Star, Canyon County Highway District No.4, and the Idaho Transportation Department (ITD).

#### **Dickinson Middle School (2013 - 2015) | Dickinson, ND**

The 200,000 sf Dickinson Middle school accommodates 960 students in grades six through eight. As the Project Leader, responsibilities included: feasibility studies and facilitation of negotiations for property acquisition; determination of 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; and managed construction staking and inspections during construction.

#### **St. Joseph's Hospital & Clinic (2013 - 2015) | Dickinson, ND**

Lead 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; and furthered cooperation between the owner and the City of Dickinson to facilitate the successful opening and operation of the facility.

#### **Board of Supervisors - Appeal (2001) | Placer County, 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.

#### **Board Of Supervisors - Appeal (1995) | Placer County, CA**

Retained by the Clients 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.

#### **Civil Engineering Forensics & Expert Witness | Relevant Experience**

Mr. Wall has provided Forensic Engineering and Expert Witness services throughout his 35-years of providing Civil and Structural Engineering services. Expertise provided on the following projects included property claims, standard of care, eminent domain and appraisals, professional liability, and construction defects.

**Construction Defects - Expert Report & Litigation Support (2022 - 2023) | Case No. CV01-22-12868, Michael and Barbara Zeller v. Blue Ribbon Landscape & Maintenance, Inc., Boise, ID**

Conducted field survey, originated expert report, and estimated repair costs for approximately 1,300 sf of failed Mechanically Stabilized Earth (MSE) retaining wall around existing swimming pool; provided professional expert support for ongoing litigation.

**Expert Report (2023) | Michaels Building Settlement, Milton, WA**

Investigation and origination of expert report to determine the origin and cause of floor and structure settlement that was the subject of an insurance claim.

**Expert Report (2023) | Mathias Roof Failure, Spokane, WA**

Investigation and origination of expert report to determine the origin and cause of ice damming and structural roof failure that was the subject of an insurance claim.

**Expert Report (2023) | Armstrong Hardscape Heaving and Deck Settlement, Twin Falls, ID**

Investigation and origination of expert report to determine the origin and cause of cracking and heaving of concrete flatwork and deck settlement that was the subject of an insurance claim.

**Construction Defects Expert Report & Mediation Support (2021 - 2022) | Andy Anderson v. Bryants Construction, LLC, Caldwell, ID**

Conducted forensic investigation, structural analysis, originated expert report, cost estimates, and provided mediation support regarding construction defects, breach of contract, and determined costs to complete repairs for the shop building constructed by Bryants Construction for Mr. Anderson.

**Expert Report (2023) | Mathias Roof Failure, Spokane, WA**

Investigation and origination of expert report to determine the origin and cause of ice damming and structural roof failure that was the subject of an insurance claim.

**Expert Report (2023) | Armstrong Hardscape Heaving and Deck Settlement, Twin Falls, ID**

Investigation and origination of expert report to determine the origin and cause of cracking and heaving of concrete flatwork and deck settlement that was the subject of an insurance claim.

**Expert Report (2022) | LeJeune Deck Investigation, Great Falls, MT**

Investigation and origination of expert report to determine the origin and cause of structural railing failure that was the subject of an insurance claim.



**Construction Defects Expert Report & Litigation Support (2016 - 2017) | Case No. 27-2014-CV-00304, Dickinson Ready-Mix Co. v. CS Cunningham Construction, LLC, et al., McKenzie County, ND**

Conducted forensic investigation, originated expert report, and provided litigation support regarding construction defects, breach of contract, and determined costs to complete repairs for the on-site sewage disposal system.

**Trial And Deposition Testimony (2004), Decree Condemnation | City of Auburn v. Auburn Business Center Association, Placer County, CA**

Expert witness for the eminent domain of an 8.6-acre industrial property for the expansion of the City of Auburn Municipal Airport.

**Property Loss - Deposition - Expert Witness (1998) | Loss of Single-Family Residence, Auburn, CA**

Performed physical analysis, applied engineering principles, and provided expert testimony for the demolition and loss of a single-family residence during relocation by a building moving company.

NOT A RETENTION AGREEMENT