



Ed Zabala, Professional Engineer

Professional Information

Licensed Professional Engineer (Civil) in 40+ U.S. states, and 2 Canadian Provinces. In the practice of primarily structural engineering.

Contact Information

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Experience Summary

Mr. Zabala has continuously been in engineering practice since 1997. From then until now he has practiced in both civil/site development and structural engineering. In civil engineering, he has experience in; design, project management, and permitting of residential subdivisions, industrial, commercial, and power substation sites. In structural engineering, he has experience in consulting, plan preparation, and permitting of; new residences, room additions, commercial buildings, retaining walls, storage tanks and their foundations, underground structures (reinforced concrete), and industrial type structures.

Additionally, he has extensive experience in use of AutoCAD Civil 3D in modeling and plan production of roadways, subdivisions, various sites, and piping networks. Using Civil 3D, he can accurately model surfaces to balance sites as needed, model pipes to avoid conflicts, and use the model to determine accurate quantities of materials and earthwork.

Finally, he is fluent in both English and Spanish.

Employment Highlights

Edward R. Zabala, P.E.	CA, NC & SC	Civil Engineer	* August 2014 – Present
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* Other dates: Oct 2002-Mar 2007, Aug 2010-Dec 2010, Nov 2011-Feb 2012, Jul 2012-Dec 2012

Project management and engineering of civil & structural projects. Civil projects include residential subdivisions and commercial sites. Structural projects include new residences, room additions, PEMB foundation design, retaining walls.

USA Tank Sales	Anderson, MO	Structural Engineer / Product Engineering Manager	Jan 2013 – August 2014
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Coordination of inside and outside professional engineers for product engineering. Structural engineering of liquid storage tanks and dry silos. Foundation engineering of tanks (shallow & deep).

Aluminum Ladder Company	SC	Structural Engineer	Feb 2012 – July 2012
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Project engineering of structural and mechanical equipment. Design of canopies, platform systems, pedestals, fall protection structures, and sometimes, their foundations. Design of structures for sites all over the U.S., Canada, and other areas around the world.

The Fountain Group (contracted to ABB Raleigh, NC office)	CA & NC	Civil Engineer	Dec 2010 – Nov 2011
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Project management and engineering of civil & structural projects. Design tasks include grading, drainage, erosion control, and permitting of power substation sites. Other specialties include SPCC pond design and retaining wall design.

Green Engineering, P.L.L.C.	Raleigh, NC	Project Engineer	Mar 2007 – Aug 2010
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Project engineering and permitting of commercial and industrial sites. Structural engineering and drafting for various items in support of waste water and civil site projects like retaining walls, foundations, platforms, etc. Stormwater plan reviewer for the Town of Zebulon. Civil 3D modeling and plan preparation. All projects are prepared and permitted without the assistance of support staff.

Krieger & Stewart Riverside, CA Staff Engineer May 2002 – Sep 2002

Plan check sewer lift station submittals. Review shop drawings. CMU building design. Construction inspection. H₂O Net water modeling. Utility research. Job research. Well duty (field testing well samples).

Engineering Resources of So. Cal San Bernardino, CA Associate Engineer Jun 2000 – May 2002

Prepare waterline plans. Prepare street plans. Prepare engineering reports. Perform cost estimates. Prepare grant reports. Design drafting using (AutoCAD)

L.D. King Ontario, CA Assistant Engineer Apr 1999 – Jun 2000

Prepare grading, utility, erosion control, horizontal control, and striping plans. Prepare street plans (plan and profile). Prepare hydrology reports. Perform sewer and storm drain hydraulic calculations. Plan check for the City of Upland. Plan processing with various cities and Riverside County. Design drafting using AutoCAD.

Gulke Engineers Monrovia, CA EIT Feb 1999 – Apr 1999

Assist in preparing grading plans, topo maps, and corner records. Perform field survey work and minor office survey calculations. Perform pre-survey research to acquire appropriate tract maps, field books, records of survey and centerline ties.

Brooks Jensen Precast Fontana, CA EIT Dec 1996 – Oct 1998

Structural design of utility vaults. General reinforced concrete design. Steel design. Quality control of concrete mix. AutoCAD drafting (specifications & shop drawings). Make engineering decisions pertaining to production plant issues, fabrication & const.

Software Proficiency

AutoCAD, Civil 3D, HydroCAD, Microsoft Word, Excel, MathCAD, RISA (3D, Foundation, Connection, Base), Revit

Education

California Polytechnic University (Pomona, California), Bachelor's of Science in Civil Engineering, March 1997