



STATEMENT OF QUALIFICATIONS

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ABOUT THE FIRM

Berkey Engineering provides a wide variety of civil and structural design services. Originally founded as Berkey Engineering and Construction in 2003, in 2007, the construction side of the business was closed due to the growing size of the company's engineering/design services market.

Cliff Berkey

Mr. Berkey is a licensed **Professional Engineer** who focuses his practice on **civil and structural** engineering services. As a Professional Engineer, Mr. Berkey has completed more than 15,000 projects. His services include the design and analysis of

- Conventionally framed structures
- Post framed buildings (pole buildings)
- Steel construction and Metal building foundation design
- Hybrid pole and rigid steel framed buildings
- Aircraft hangers
- Manufactured home foundation design
- Timber trusses
- Retaining walls
- Commercial facilities (sites and structures)
- Sanitary sewer and water systems
- Storm drainage systems
- RV parks including underground utilities
- Pools and spas

Mr. Berkey also provides structural inspection and construction management services.

QUALIFICATIONS

Civil Design Experience

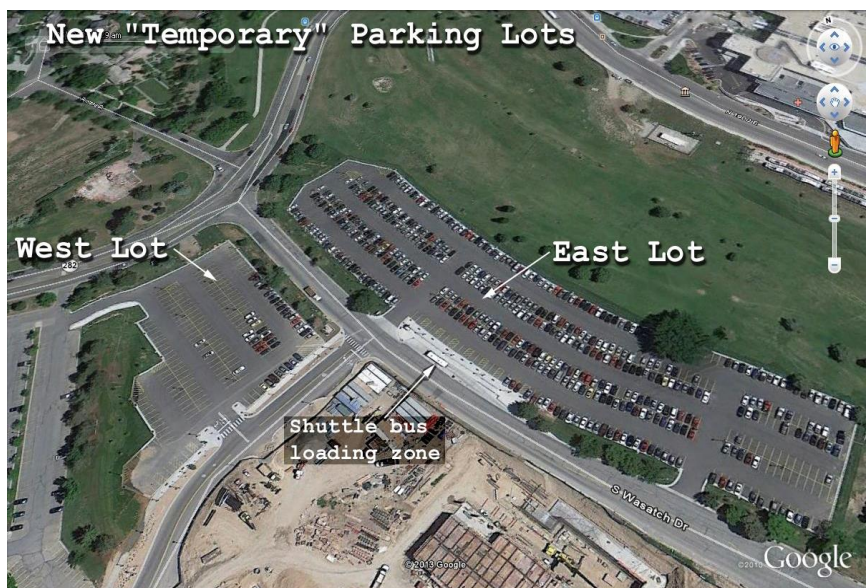
Commercial Facilities – Berkey Engineering has designed numerous mixed-use structures and corresponding sites for compliance with structural, civil, lighting, fire, egress, and ADA regulations. These projects often involve structural design of buildings and retaining/gravity walls, layout of parking lots to include all ADA-required parking spaces and access routes, planning of utility placement (water, sewer, and electric), and design of the stormwater drainage systems to include infiltration and storage in detention ponds and catch basins.



One particular project involved the comprehensive design of a 25-acre RV park. Design tasks included:

- Site layout
- Parking lot design
- Site grading & drainage
- Balancing of cut-and-fill material.
- Coordination with other design professionals on the design and placement of Large On-site Sewage Systems (LOSS)
- Pool and spa design
- Structural design of all on-site buildings (bath-houses, storage facilities, assembly areas, and stores)

Institutional Facilities – Mr. Brady has completed over 80 projects for the University of Utah. Berkey Engineering has been involved with more than 25 of those projects, the majority of which are designs for the construction or repair of infrastructures for vehicle and pedestrian access to campus facilities. These include civil, structural, lighting, storm water, fire egress, and ADA issues. In addition, projects have included new campus-wide way-finding signage, site-cast retaining walls, heated exterior concrete stairways, foundation water leak remediation and building demolition.





Pools and Spas – Berkey Engineering provides comprehensive pool plans, including design of the structural, hydraulic, and mechanical systems. We have designed both private and public pools for homes, apartment complexes, and hotels.

Industrial Applications – Berkey Engineering provides designs for chemical containment systems (petroleum products or farm chemicals). These consist of retaining walls and drainage slopes to contain hazardous liquid products in case of a spill.

Structural Design Experience

Pole Buildings – Berkey Engineering was originally founded to support pole building contractors, and pole building design still constitutes a significant portion of the company’s business. Having personally built several hundred and designed several thousand pole buildings, Mr. Berkey is an expert in the field.



Homes – Berkey Engineering is regularly involved in designing custom homes and other residential structures. Building designs are typically conventionally framed, but sometimes include CMU, concrete, or post framed structures.



Services often include:

- Drafting of floorplans, elevations, and site layout
- Structural design of roof beams, shear walls, and footings
- Retrofit/remodel design
- Storage shed design
- Retaining/gravity wall design
- Pool and spa design
- Structural inspections

REFERENCES

For Cliff Berkey

Mr. Clark Seaman

Owner
Seamark Engineering
646 W 920 N
Orem, UT 84057

Colleague

Mr. Seaman is the owner of Seamark Engineering, a structural engineering company in Utah. Mr. Seaman served with Mr. Berkey on the BYU ASCE student council as Vice President. He is a licensed PE and has worked with Mr. Berkey on various engineering projects throughout the years.

801-616-7573

Mr. Anthony Cockbain

Director of Projects
Meier Architecture · Engineering
8697 West Gage Boulevard
Kennewick, WA 99336

Colleague

Mr. Cockbain is the Director of Projects at Meier Architecture · Engineering. Mr. Cockbain served with Mr. Berkey on the BYU ASCE student council as Secretary. He and Mr. Berkey also worked together for a few years at Meier Architecture · Engineering.

509-735-1589

Mr. Paul Giever

Lead Engineer
Meier Architecture · Engineering
8697 West Gage Boulevard
Kennewick, WA 99336

Former Supervisor

Mr. Giever is the Lead Engineer for the Meier Architecture · Engineering Structural Group. Mr. Giever was Mr. Berkey's supervisor for a few years at Meier Architecture · Engineering.

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