

David M. Noe, PE

Principal



DZ Engineering, Inc.
Civil Engineers

15615 N. 71st Street
Suite 202
Scottsdale, AZ 85260
(480) 247-2956
(480) 247-2958 Fax

David M. Noe, PE
Ziad Kaakouch

Education:

- BS in Civil Engineering – University of California Davis – Davis, California – 1984
- Professional Engineering Registration:
California – 1987
Arizona – 1994
Texas – 2008

Professional Societies:

Member of ASCE

Responsibilities:

Principal engineer responsible for final design and review of all Grading and Drainage Plans; Drainage Reports; Site Improvement Plans (including paving, fire water, domestic water, and sanitary sewer); site septic system designs; site topographical surveys, and structural engineering.

Project Experience:

DZ Engineering, Inc. – Phoenix, Arizona

- Prepared improvement plans for a 7-lot residential subdivision in Carefree, Arizona. Engineering included hillside roadway design and lot layout.
- Prepared improvement plans for a 13-lot hillside residential subdivision in Cave Creek, Arizona. Engineering included hillside roadway design and lot layout.
- Prepared numerous Grading and Drainage Plans and REC-RAS analysis for custom homes impacted by floodplains and floodways.
- Prepared improvement plans for a 300 acre, 280-lot residential subdivision in Buckeye, Arizona
- Prepared improvement plans for an 80 acre, 307-lot residential subdivision in Buckeye, Arizona
- Prepared improvement plans for a 32-lot residential subdivision in Phoenix, Arizona
- Prepared improvement plans for a 34-lot residential subdivision in Phoenix, Arizona
- Prepared improvement plans for a 32-lot residential subdivision in Phoenix, Arizona
- Prepared site improvement plans for a new church building on 2 acres in Phoenix, Arizona
- Prepared site improvement plans for 2 church buildings in Prescott, Arizona
- Prepared site improvement plans for a new church building on 4 acres in Phoenix, Arizona
- Prepared improvement plans for a new church building on 6 acres in Tolleson, Arizona
- Prepared improvement plans for a new church building on 10 acres in Goodyear, Arizona
- Prepared improvement plans for a 60,000 s.f. warehouse facility on 3 acres in Phoenix, Arizona
- Prepared improvement plans for a 98-unit apartment complex in Phoenix, Arizona
- Prepared improvement plans for a 60-unit apartment complex in Phoenix, Arizona
- Prepared improvement plans for the expansion of Cocopah Middle School, Cherokee Elementary School, Mohave Middle School, and Cochise Elementary School in City of Scottsdale.
- Prepared roadway improvement plans on multiple projects for SunCor development in Goodyear and Avondale, Arizona
- Prepared improvement plans for a prison detention facility in Page, Arizona
- Prepared improvement plans for a 60,000 s.f. Clean-Room manufacturing facility in Scottsdale, Arizona
- Prepared improvement plans for a 6,000 s.f. office building and storage facility in Mesa, Arizona
- Prepared improvement plans for a 4,000 s.f. storage facility in Avondale, Arizona

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- Prepared improvement plans for a 6-lot residential hillside subdivision in Phoenix, Arizona
- Prepared improvement plans for a 7-lot residential subdivision in-fill project in Phoenix, Arizona
- Conducted numerous site topographical surveys, and prepared residential and commercial grading and drainage plans throughout Maricopa County.
- Conducted numerous structural engineering designs throughout Maricopa County.

Giffels Associates – Phoenix, Arizona

As a Civil Engineering group leader for this multi-disciplined A/E firm, responsible for design activities included in the civil engineering discipline, such as development of the various site utility requirements, site topography, roads, parking lots, site drainage, sewer and water systems, etc.

- Prepared civil improvement plans for 60,000 s.f. S.M.A.C Investments spec building in Chandler, Arizona
- Prepared civil improvement plans for 40,000 s.f. E^xponent Failure Analysis facility expansion in Phoenix, Arizona
- Prepared civil improvement plans for 130-acre subdivision in Mesa and Gilbert, Arizona

Graham Engineering and Surveying - Carefree, Arizona

Civil Engineer for the following projects:

- Improvement plans for a 43-lot residential subdivision in Cave Creek, Arizona.
- Engineering studies including hydrology analysis, off-site work and grading and drainage plans for custom homes and commercial properties.
- Prepare civil engineering plans, including grading and drainage, sewer and water system design and layout for housing subdivisions and commercial sites.
- Design septic systems for single family homes.

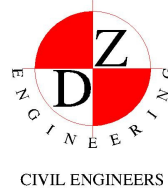
EMCON – Phoenix, Arizona

Project Manager and Senior Engineer for the following projects:

- Design of a soil vapor extraction and shallow ground water air-spargage feasibility study and remediation design at a leaking underground storage tank (UST) site. Supervised the design and performance of the soil vapor extraction system and free product recovery system in operation at the site.
- Design and construction of two emergency landfill gas collection and control systems in Tucson, Arizona. At both projects, landfill gas had migrated off-site; impacts were to a trailer park at one site and to an apartment complex at the other. Responsibilities included collection and detection system design and installation; system expansion and modification design and installation supervision; operation and maintenance supervision; and client interaction.
- Design and construction of an emergency landfill gas collection and control system in Scottsdale, Arizona. Landfill gas had migrated off-site and was impacting a residence. Responsibilities included collection and maintenance supervision, client interaction and engineering and construction budgets.
- Design of a landfill gas collection and control system in Chandler, Arizona. Responsibilities included review of the landfill gas generation model, landfill gas collection and detection system design, landfill gas collection and control system specification development and permitting, client interaction and budgeting engineering and construction.
- Design, installation, and construction management of a household recyclable materials transfer station in Phoenix.
- Design and operation of three soil biovent remediation systems for various UST hydrocarbon fuels contaminated sites including engineering and construction budgeting.

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Mobil Oil - Burbank, California and Fairfax, Virginia

Environmental and Project Engineer for the following projects:

- Managed the environmental compliance of marketing and pipeline facilities on the West Coast, Texas and the East Coast.
- Wrote and maintained environmental regulations summary/ compliance checklists for use during Mobil Oil environmental compliance audits and by the individual facilities as environmental compliance tools during day-to-day operations.
- Responsible for all environmental issues at numerous facilities, including compliance with air permits and regulations; hazardous waste regulations; wastewater permits; SPCC Plans and inspections; storm water monitoring and UST monitoring and leak detection, upgrades and compliance.
- Conducted multi-media environmental compliance audits at gasoline terminals, lube plants, service stations and pipeline facilities throughout the country.
- Conducted non-company multi-media environmental compliance audits at various facilities for the purpose of determining whether the facility would be used by Mobil Oil entities. Audits at non-company facilities included marine distribution facilities, railcar reconditioners and drum reconditioners.
- Managed petroleum site assessment and remediation projects for over 300 sites throughout the West and Midwest.
- Numerous gasoline service station construction and maintenance projects