

# Curriculum Vitae

**Kenneth R. Dees, P.E., CFM**

**(682) 500-4294**

Kendees@chalkmountain.net

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## **Senior Engineer**

*36 years of experience in civil engineering*

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Senior Engineer with business and management experience, coupled with expertise in all aspects of land development. Skilled in providing strategic direction and project management pertaining to complex civil engineering projects. Analytical professional with talent in identifying and mitigating risks and implementing strategies and solutions. Collaborative communicator with speaker and management skills, focused on promoting synergy among project stakeholders. Expertise in design of paving, grading, water and sewer with a special emphasis on storm water drainage, floodplain hydrology and hydraulics. Seasoned expert using AutoCAD Civil 3D, HEC-HMS, HEC-RAS, Flo-2D, HW-8, GeoHECRAS and other design tools.

### **Highlights of Expertise**

- Hands-On Design Engineer
- Excellent speaking and writing skills
- Conflict Resolution and Liaison with stakeholders
- Preparation of proposals, schedules and budgets
- Tracking of project timeframes and expenditures
- Analysis and resolution of complex technical issues
- Expert Witness and Litigation Support
- Numerous successful projects

### **Education**

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BSCE, Southern Methodist University

### **Certifications**

Professional Engineer (PE) – Number 128736  
Certified Floodplain Manager (CFM) – Number 3212-16N

### **Professional Experience**

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#### **CIVIL SITE ENGINEERING**

Mr. Dees is a hands-on expert in most all aspects of civil site engineering including project management, liaison with clients and communities as well as many years of hands-on experience with production of construction drawings including three-dimensional grading and drainage, water and wastewater systems, roadways, detention ponds, dams, levees, lift stations and much more.

#### **FLOODPLAIN MANAGEMENT**

Mr. Dees is a hands-on expert in all aspects of surface hydrology as well as open and closed hydraulics as related to flood studies, floodplain management and storm water.

## **REGULATORY COMPLIANCE**

Mr. Dees is highly involved in regulatory support and provides permitting liaison with local community, state and federal government agencies.

## **EXPERT TESTIMONY AND LITIGATION SUPPORT**

Mr. Dees has experience in forensic engineering as applied to water resources including floodplain and general drainage issues. He is uniquely qualified to assist with any legal matter which is based upon the impact of existing or potential flooding due to construction of stormwater improvements, including diversion of storm waters, increase of flow or frequency, failure or risk of failure of levees, dams, detention ponds as well as most any existing or potential adverse impact which presents a hazard to the health and well-being of the general public.

## Key Projects

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### Founder/Owner | Datagraphics / Geodesk | 1987 – 1998

- Responsibilities – Oversaw creation of a company which grew to 20 personnel within two years and which over the next 10 years created two legacy software products which resulted in hundreds of installations. Responsible for preparation of strategic business plan for a multi-faceted high-tech company which provided custom computer hardware, systems integration, development of core software products and tools, SAS (software as a service) and data development services for map-based systems. Responsible for strategic business plan, management, business development, project management and primary author of software.
- Key Projects
  - Super Conducting Super Collider – hired by the State of Texas to provide software development and data development services pursuant to acquisition of real estate and preparation of surface and three-dimensional sub-terrain easements for this six-billion dollar project.
  - Mapworks Mapping Software – Development of Mapworks, the first AutoCAD-based Mapping system which was subsequently sold, along with data development services, to over twenty municipal, county and state government agencies.
  - CivilWorks Civil/Survey Software – Development of CivilWorks, one of the first AutoCAD-based Civil Engineering/Land Surveying software suites which was subsequently used by hundreds of public and private entities including local, county and state agencies as well as utility companies, energy companies, railway companies and consulting engineering companies.

### General Manager | Realtime Communications | 1998 – 2000

- Responsibilities – Troubleshooting, refinement and positioning of an existing company which was “ground zero” for the dot-com world in Austin, Texas. Reported to the founders and responsible for creation of new business plan, all assets, product development and revisions of staff resources. Redirected the focus of the company based upon forward-thinking as well as emergent trends in offering internet-based services to existing and new customers; collection of a large amount of past debt; refocused products and services lines; regrouping of staff positions; eliminate outsourcing of technical support - creation of new technical support system and recruited/trained new technical support personnel.
- Key Projects
  - Redefined the overall direction of company in consideration of geographic and vertical product and services opportunities which would provide a strategic edge over much larger competitors; eliminate old products and services; identified new products and

services

- Creation of new hierarchy-based Technical Support System; recruited, hired and trained new technical personnel in use of system
- Implemented New Focus on eCommerce – provided customers with eCommerce websites using high-end, state-of-the-art solutions

### **Founder/Owner | Chalk Mountain LLC / Agillia LLC | 2000-2021**

- Responsibilities – business development; project management; preparation of construction documents, hydrologic and hydraulic analyses; regulatory compliance and permitting; liaison with stakeholders
- Key Projects
  - Numerous Flood Studies – flood studies for municipalities, land developers and outsourced engineering services to other consulting engineering companies
  - Numerous Other Engineering Projects – including single-family residential, multi-family residential, retail, commercial and office buildings, storage facilities, airport hangars and much more.

## Example Projects

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### Retail/Commercial/Industrial

- Crest Office Building – Plano, TX
- Willow Bend Wellness – Plano, TX
- Addison Airport Hangar, Addison, TX
- Crest Manor Self-Storage, Lewisville, TX
- Bush Pioneer Centre, Grand Prairie, TX
- Harbor Point Development, Garland, TX
- IRIS USA Manufacturing Facility, Mesquite TX

### Residential Development

- FIJI Lofts, Dallas, TX
- Hall Street Condominiums, Dallas, TX
- Reserve at Mayfield, Arlington TX
- St Joseph Retirement Village, Coppell, TX
- Lansborough Apartments, Houston, TX
- Keller Springs Estates, Dallas, TX
- Brookhollow Estates, Aledo, TX

### Water Resources - Flood Studies

- Bear Creek, Parker County, Texas
- Brazos River Flood Study, Somervell County, TX
- Big Fossil – Blue Mound at Bailey-Boswell Flood Study, Saginaw TX
- Bosque River Flood Study, Stephenville, Texas
- Clear Fork Trinity River, Tarrant and Parker County, Texas
- Doe Branch, Celina, Texas
- Fish Creek - Reserve at Mayfield Flood Study, Arlington TX
- Grassy Creek, Venus, Texas
- Honey Creek Flood Study, Celina, Texas
- Lake Creek Flood Study, San Angelo, TX
- Little Fossil Creek Flood Study, Saginaw, Texas
- Long Branch Creek, Greenville, Texas
- Mary's Creek, Parker County, TX
- Spring Creek, Plano, Texas
- White Rock Creek - Keller Springs Flood Study, Dallas, TX