

Curriculum Vitae

Kenneth R. Dees, P.E., CFM

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Professional Engineer

40 years of experience in design, engineering and construction

Mr. Dees has experience in assisting with formulating strategic plans, providing project management, as well as providing civil engineering design services pertaining to real estate development projects. He is an analytical professional with talent in identifying and mitigating risks, implementing strategies and solutions as well as delivering projects on time and on budget. He is a collaborative communicator and has provided innumerable presentations to small and large audiences pertaining to civil engineering best practices, provided instruction pertaining to preparation of construction documents as well as floodplain matters to governing officials, engineers, land surveyors, realtors and others who are involved in development and management of real estate assets.

He has extensive expertise and experience pertaining to all engineering requirements for real estate development including the design of infrastructure as well as preparation of drainage and flood studies.

Highlights of Expertise

- Hands-On Design Engineer
- Excellent speaking and writing skills
- Analysis and resolution of complex technical issues
- Expert Witness and Litigation Support
- Numerous successful projects since 1984

Education

BSCE, Southern Methodist University

Certifications

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

LAND DEVELOPMENT

Mr. Dees has considerable experience in most all matters pertaining to real estate development and construction. He has worked in most every major market within the State of Texas and has been the point man on hundreds of projects in his career, ranging from small commercial projects to some of the largest projects in the history of the State of Texas. He has expert knowledge of how to obtain entitlements as well as preparation of engineered construction documents for single and multi-family development as well as retail, office and other types of commercial and industrial development.

WATER RESOURCES

Mr. Dees has considerable expertise pertaining to storm water drainage and floodplain analysis based upon the sciences of hydrology and hydraulics. Mr. Dees has been responsible for hands-on preparation of drainage and flood studies for over 100 projects in the past ten years alone (2014-2024). These projects ranged in size from 5 acres to as large as 500 square miles. He is a seasoned expert user of a wide variety of engineering software applications including Global Mapper, HEC-HMS, HEC-RAS, Flo-2D, HW-8, GeoHECHMS, GeoHECRAS 1D and 2D, as well as AutoCAD, Civil 3D and IntelliCAD.

RESEARCH AND DEVELOPMENT

Mr. Dees is the author of two civil engineering-related software applications which were developed between 1987 and 1997 as follows:

- Mapworks Mapping Software – Mr. Dees developed 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 within the continental United States, China as well as the Middle East.
- CivilWorks Civil/Survey Software – Mr. Dees developed CivilWorks, one of the first AutoCAD-based Civil Engineering/Land Surveying software suites. The software 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. Effective 2024, the software has been rebranded as [SurveyOPS](#).
- Super Conducting Super Collider – Mr. Dees was hired by the State of Texas to provide research and development of software and procedures pertaining to land surveying, mapping as well as right-of-way and easement acquisition required for the project, as well as to hire and train the personnel required to develop the data necessary for the acquisition of real estate for this six-billion-dollar project.

FORENSIC ENGINEERING AND EXPERT TESTIMONY

Mr. Dees is uniquely qualified to provide forensic engineering as well as other technical assistance for legal matters pertaining to failures or risks associated with diversion of storm waters, increase of flow or frequency, and miscalculation of impact of storm waters via open or enclosed conduits as well as floodplain areas.