

AUGUSTINE (Gus) GRACE III, MS, PE

EDUCATION

Master of Science, Environmental Engineering
New Mexico State University, 1985

Bachelor of Science, Civil Engineering
New Mexico State University, 1984

Ph.D Program Coursework, Civil and Environmental Engineering
University of New Mexico, 1990-1992, 24 Credit Hours Completed

REGISTRATIONS AND CERTIFICATIONS

- Registered Professional Engineer, New Mexico #10861 (By Examination)
- Certified Cost Engineer, #01127 (By Examination, Registration Lapsed)
- General Contractor, License # 86580, GB-98

EMPLOYMENT HISTORY

- Land Development Manager, Capital Alliance Investments, LLC, where Mr. Grace manages the planning, design and construction of residential subdivisions throughout New Mexico, Houston, Tulsa, and the Phoenix Area.
2005-Present
- Owner, and Principal Engineer, ACG ENGINEERING, where Mr. Grace manages all operations related to this engineering, design and construction management firm located in Albuquerque, New Mexico. ACG Engineering primarily practices in the water resources, environmental, and solid waste areas.
1996 – Present
- Manager of Environmental Restoration, Waste Management, Engineering, and Construction Programs, Lovelace Biomedical and Environmental Research Institute, Facility Operated for the U.S. Department of Energy, located on Kirtland Air Force Base, Albuquerque, New Mexico.
1992 - 1996
- Sr. Engineering Manager, Molzen-Corbin & Associates, Consulting Engineering Firm, Offices in Albuquerque, NM, and Las Cruces, NM.
1983 - 1992

AWARDS AND COMMENDATIONS

- Recipient: Roberts Memorial Award from New Mexico State University, "For Significant Contributions to the Quality of Life at New Mexico State University."
- Recipient: National Hispanic Scholar
- Congressional Commendations from Sen. Pete Domenici, Rep. Joe Skeen, Former Sen. Harrison Schmidt,

and Former Rep. Manuel Lujan.

- Board of Regent (Ex-officio) and Student Body President, New Mexico State University.
- Appointee: New Mexico Border Authority, Subcommittee on Environment, By Governor Bruce King, 1991.

GENERAL EXPERIENCE

- Mr. Grace is currently the Land Development Manager for a land development company with operations in New Mexico, Houston, Tulsa and the Phoenix Area. Mr. Grace manages the cost, schedule, control systems for the planning, design and construction of 1000-2000 residential lots per year.
- Mr. Grace is currently the Owner and Principal Engineer for this small Albuquerque based municipal consulting, engineering design and construction management firm. The firm's work includes engineering planning, design and construction management of a wide range of projects including: water resources, water supply and distribution; wastewater conveyance and treatment; wastewater reuse; biosolids management; landfill siting, closure and design; recycling and composting of sanitary solid waste and sludge; contaminated site assessment and remediation, and residential building and construction management.
- Mr. Grace has a working knowledge of a wide breadth of environmental issues including water and wastewater planning and engineering; municipal ordinance development; cost estimating (both capital and operations); rate analysis and development; petroleum and UST spills; groundwater contamination including nitrates, radioactivity and volatile chemicals; radioactivity in soils and sludges; decontamination and decommissioning of nuclear facilities.; and all aspects of construction management and cost/schedule controls.
- Mr. Grace has personally managed the planning, design or construction of more than \$200 million worth of various public works projects. His expertise is in conceiving all elements of a project beginning in the planning stages and coordinating with Clients, Federal and State Agencies, owners, users and contractors through the construction and start-up operations.
- Mr. Grace was formerly licensed as a Certified Cost Engineer and is well versed in developing and scrutinizing cost, schedule and controls associated with varied water resources and environmental engineering disciplines.
- Mr. Grace has spent ten the last fifteen (20) years serving governmental and private clients throughout New Mexico, including: City of Sunland Park, Anthony Water and Sanitation District, Dona Ana County, Dona Ana, San Miguel, La Mesa, Rincon, Chaparral, Chamberino, City of Albuquerque, Town of Taos, City of Santa Rosa, Village of Eagle Nest, City of Las Vegas, Village of Bosque Farms, Village of Los Lunas, Town of Moriarty, City of Belen, City of Socorro; U.S. Environmental Protection Agency, United State Department of Agriculture, U.S. Department of Energy, State of New Mexico's Environment Department, Sandia National Laboratories, Los Alamos National Laboratories, and Phillips Semiconductor.

- In addition to being a Client Manager (V.P. level) responsible for business development and project management in the environmental services area for one of New Mexico's largest and oldest engineering firm's, he was responsible for planning, developing and implementing the successful creation of a solid waste division at the firm. He authored and managed the integrated solid waste plans for five counties and 30 cities in New Mexico.

DETAILED EXPERIENCE

- Land Development Manager for the several residential subdivision in New Mexico, Houston, Tulsa and the Phoenix Areas.
 - Estancias at Santiago, Bernalillo, NM. A 200+ lot subdivision along the edge of the Rio Grand Bosque featuring 45', 50' and 60'+ lots in a master planned community setting. The work included managing significant offsite water and wastewater utilities, highway improvements and significant drainage facilities.
 - Sundance Estates, Phases I, II, III, IV and V, Albuquerque, NM. A 700 + lot subdivision in its entirety, located along the border of the Petroglyph National Monument and bisecting the new Unser Boulevard. 45', 50' and larger custom lots are featured in this Westside master planned setting. The subdivision included rock blasting, significant dirt import and offsite utilities and complex drainage issues to successfully complete it.
 - Anasazi Ridge, Phase I, II and III, Albuquerque, NM. A 200+ lot subdivision, located near TVI's Westside Campus and bordered on the north by the beautiful Calabacillas Arroyo and on the south by the new McMahon Boulevard.
 - Strathmore Section II, III and IV, Katy, Texas. A multi-phased 200+ lot subdivision near Houston, Texas.
 - Northwest Passage, Tulsa, Oklahoma. A beautiful 860 acre master planned development featuring residential developments of high and low densities, commercial developments of various sizes including small retail and big box retail, industrial and manufacturing, schools and community facilities.

Dona Ana County, New Mexico

- Project Engineer for Dona Ana County's regional wastewater collection and treatment systems. Responsibilities included master planning, cost/schedule control, ordinance development, rate and economic analysis, regulatory consultant, design, plan and specification review, and legal support. Mr. Grace was a key consultant for the various communities participating in the regional wastewater project, including Salem, Rincon, Dona Ana, La Mesa, San Miguel, Vado, Del Cerro, Chamberino, La Union, Anthony, and Santa Teresa and the Border Region.

City of Sunland Park, New Mexico

- Coordinated the project funding, scheduling, design, construction and start-up for multiple phases of this communities utility infrastructure system.

Anthony Water and Sanitation District, New Mexico

- Mr. Grace was this community's Client Manager, Engineer and technical advisor beginning in 1984.

He has been directly involved in developing the community's water and wastewater infrastructure program including its wastewater and water systems. He has managed more than \$9 million worth of projects for this community.

Chaparral, New Mexico

- Prepared the design plans and specifications, permit document, and economic analysis for this state of the art private solid waste landfill (Rhino Landfill). Mr. Grace also reviewed for Dona Ana County, the Wastewater Facilities Plan for this community's 40 million dollar project.

City of Albuquerque, New Mexico

- Design team member of the City's Solid Waste Composting and Soil Amendment Facility; a state of the art wastewater sludge and solid waste composting facility.

Village of Los Lunas, New Mexico

- Client Manager and Project Engineer for the community's extensive water, wastewater, and solid waste infrastructure improvements. Coordinated more than \$10 million worth of capital projects.

Village of Bosque Farms, New Mexico

- Client Manager responsible for planning , engineering , and managing the construction, design and financing for the community's \$5.5 million water system. Also began the planning of the community \$35 million wastewater system. Mr. Grace designed and constructed the community's recreation complex and walking/biking/jogging path system.

City of Las Cruces, New Mexico

- Assisted in reviewing detailed design drawings and construction submittals for the City's new wastewater facilities.

Socorro, Texas

- Involved in master planning this border community's water resources needs. The project was nearly \$20 million in scope.

Southern New Mexico Areawide Water Resources Plan

- Assisted in developing the concept and funding mechanism for this areawide water resources master plan for the Rio Grande Valley in Southern New Mexico. More than 20 communities, sanitation districts, and multiple agencies were involved in the effort. The study was a multi-phased project funded by the Interstate Stream Commission whose objective was to determine the long-range water resources needs of the region.

Elephant Butte and T or C, New Mexico

- Client Manager, Project Manager and Designer for this private developers extensive land holdings (over 10,000 acres). Coordinated the development of several residential communities including roads, utilities and golfcourses.

City of Santa Rosa, New Mexico

- Client Manager and Project Engineer for the City's new wastewater treatment facilities, wastewater reuse system, and the City's water facilities. He authored the City's Water and Wastewater Management Master Plans in 1985 and has planned, designed and managed the construction of over 7 million dollars worth of infrastructure.

City of Las Vegas, New Mexico

- The City's Client Manager and Principal Engineer for several major projects including a comprehensive plan, wastewater management plan, and a financial analysis of all of the City's utility rate structures.

Town of Taos, New Mexico

- Client Manger and Principal Engineer for the region's wastewater treatment facilities. The project was more than \$6 million in scope and included the design of anaerobic digesters and sludge dewatering facilities. Also designed and managed the construction of over 3 miles worth of new 15 and 18-inch wastewater interceptors.

Town of Moriarty, New Mexico

- co-authored this communities Wastewater Conveyance and Treatment System Master Plan, 2002. This document becomes the Town's primary tool for implementing the expansion of its wastewater facilities and conveyance system.

State of New Mexico, Property Control Division

- Project Manager for several state-owned facilities including the renovation and expansion of the Penitentiary of New Mexico's nitrification-denitrification wastewater treatment facilities and the Central New Mexico Correctional Facility Wastewater System.

Northeast Regional Solid Waste Master Plan

- Primary author and manager for this multi-county solid waste planning effort in northeast New Mexico. The project included the engineering analysis of recycling, waste reduction, incineration and co-generation of solid waste, composting and landfilling.

Central Interstate Regional Solid Waste Master Plan

- Primary author and manager for the counties of Valencia and Socorro south of Albuquerque. The project included the engineering analysis of recycling, waste reduction, incineration and co-generation of solid waste, composting and landfilling.

U.S. Department of Energy's Lovelace Biomedical and Environmental Research Institute , Albuquerque, New Mexico

- Manager of all environmental restoration, waste management, engineering and construction operations including health and safety, training, assessments, remedial actions, environmental monitoring, and waste disposal operations. Mr. Grace is intimately familiar with the requirements of RCRA, CERCLA, CWA, SDWA, and UST regulations.
- Responsible for managing staff and consultants for cleanup activities related to the following types of sites at ITRI and Kirtland Air Force Base:
 - Five (5) diesel spill sites including tank removals, soil remediation and soil venting system.
 - Decontamination and decommissioning of ^{137}Cs , ^{90}Sr and $^{238,239}\text{Pu}$ contaminated nuclear facilities including concrete, buildings, and soil.
 - Remediating 14 acres of wastewater lagoon sludge and soil contaminated with ^{137}Cs , and ^{90}Sr .
 - Remediating nitrate and uranium contaminated groundwater.
 - Coordinating all well drilling operations, sampling and monitoring of groundwater, air, soil, and vegetation.
 - Construction of major treatment, storage and disposal facilities handling radioactive, hazardous and mixed wastes.
 - Responsible as the primary contact to the U.S. Department of Energy's Kirtland Area Office, Albuquerque Field Office and the Secretarial Office at Headquarters on all environmental issues including regulatory, funding, cost/schedule/control baselines, and policy issues.
 - Primary facility contact with public involvement issues and dealing with environmental activists on varied issues. Mr. Grace was a member of the U.S. Department of Energy's Site Specific Advisory Board on Environmental Management Issues; was a member of the U.S. Department of Energy's Future Use Initiatives Group; and was a member of the U.S. Department of Energy's Environmental and Occupation Health Standards Steering Group, which is a national committee made up of a member from each of the DOE national laboratories across the country and deals with a wide range of policy issues related to risk.