

**EDUCATION**

- \* St. Cloud State University, Minnesota, B.A., Physical Geography, 1977

**REGISTRATION**

- \* Professional Land Surveyor: Colorado No. 22095

**PROFESSIONAL EXPERIENCE**

- \* Gilbert, Meyer & Sams, Inc., October 1989 to November 1990
- \* GMS, Inc., November 1990 to present
- \* Principal of the firm of GMS, Inc., 2015

Project design, surveying, management and construction services for:

- \* Cherokee Metropolitan District: 4,005 LF of 16" and 18" DIP water transmission line for the Marksheffel Road water transmission line replacement project
- \* Town of Rockvale: 15,700 LF water system improvements project
- \* Monument Sanitation District: 19,600 LF Wakonda Hills wastewater collection system project and two sewage lift stations
- Lower Fountain Metropolitan Sewage Disposal District: 19,822 LF interceptor sewer project
- \* Cucharas Sanitation & Water District: 13,000 feet of water line and water storage tank facility
- \* Cucharas Sanitation and Water District: 50,000 foot sanitary sewer interceptor and collection system
- \* Town of Deer Trail: 12,217 feet of water line and water storage tank facility
- \* Town of Simla: 5,387 feet of water line and water storage tank facility
- \* Colorado Department of Corrections, Buena Vista Correctional Complex: 6,512 feet of water line and water storage tank facility
- \* Design professional reviewing and evaluating public infrastructure construction plans and proposals for municipal and special district clients including:
  - \* City of Fountain
  - \* Town of Monument
  - \* Town of Calhan
  - \* Donala Water and Sanitation District
  - \* Monument Sanitation District
  - \* Palmer Lake Sanitation District
  - \* Fountain Sanitation District
  - \* Town of Limon

- \* City of Colorado Springs: Project manager for route location, utility location easement acquisition and easement legal description preparation for 13-mile Drake to Cottonwood underground electric line
- \* City of Colorado Springs: GMS, Inc., as consultant to Sargent and Lundy, Inc.: Project Manager for route location and mapping for 4 mile underground electric transmission line
- \* City of Colorado Springs: GMS, Inc. as consultant to Black and Veatch: Project manager for route location, mapping, easement legal description preparation and construction layout for 41-mile East Side Corridor Overhead Electric Transmission Line
- \* City of Colorado Springs: Surveyor and designer for Stetson Hills Electric Substation site development including site grading, access road design, site drainage and other site development features
- \* City of Colorado Springs: Project designer and resident project representative for ground level water storage tank
- \* Town of Limon: Field survey predesign data collection and resident project representation for water and wastewater extensions to serve Colorado Department of Corrections' Limon facility
- \* Resident project representative for:
  - \* Palmer Lake Sanitation District's numerous sanitary sewer main extensions including 2600 LF 8-inch main extension with encased river crossing
  - \* Placement of concrete soldier piers and H-beam piles for installation of concrete lagging panels extending the wing wall section of Monument Lake Dam and provided slope stabilization to protect existing sanitary sewer outfall line
  - \* City of Fountain 6700 LF 12-inch ductile iron water transmission facility
  - \* Town of Palmer Lake project representative and construction coordinator for dam rehabilitation and geomembrane installation
- \* United Planning and Engineering, 1984 - 1989
  - \* Director of surveying
- \* W. K. Clark & Associates, 1983 - 1984
  - \* Survey party chief
- \* Martin Land Surveying, 1978 - 1983
  - \* Survey party chief, survey coordinator for the Alaskan Natural Gas Pipe Line crossing North Dakota, South Dakota, Minnesota and Iowa

**EDUCATION**

- \* Colorado State University, Ft. Collins, Colorado, B.S., Watershed Science, 1998
- \* University of Colorado, Denver, Colorado, M.S., Water Resources Engineering, 2002

**REGISTRATION**

- \* Professional Engineer: Colorado No. 40767

**PROFESSIONAL EXPERIENCE**

- \* GMS, Inc., 2002 to present
- \* Principal of the firm of GMS, Inc., 2015

Project engineering, design and construction management for:

- \* Town of Seibert: 24,000 gpd aerated lagoon and two constructed wetlands wastewater treatment facility
- \* Town of Seibert: 53,200 ft. of new 6" water transmission line, new SCADA system, transfer of water rights from agricultural to municipal use including consumptive use analysis, change of use; calculations based on modified Blaney-Criddle method, new well house and associated appurtenances, chlorination facilities at various locations, filtration units at two wells, 3,600 ft. of 6" and 4" distribution replacement piping, associated appurtenances, improvements to water storage tank
- \* Town of La Veta: 16,100 ft. of 12", 10", 8", 6" and 4" distribution replacement piping, associated appurtenances, 1,700 ft. of 12", 10" and 6" water reservoir replacement piping, replacement of Cucharas River intake structure, improvements to 0.5 and 0.25 MG water storage tanks
- \* Town of Kim: 29,500 ft. of raw water transmission main, well improvements, 1,000 ft. of 6" distribution replacement, chlorination facilities installation, 228,000 gallon water storage standpipe
- \* Town of Stratton: 457,000 gallon water storage standpipe, 2,680 ft. of water distribution replacement piping, chlorine contact piping at three wells, various other water system improvements
- \* Town of Stratton: 80,550 gpd aerated lagoon and two deepened settling cells wastewater treatment plant
- \* Town of Genoa: 26,400 ft. of raw water transmission main, well improvements, well house and 1,000 ft. of 6" distribution replacement
- \* Penrose Water District: Planning of raw water pump station and associated transmission line for newly purchased water rights

- \* Town of Ordway: 9,000 ft. of 12", 10" and 8" sanitary sewer replacement piping, 5,500 ft. of 6" and 4" distribution replacement piping
  - \* Town of Bethune: 10,200 ft. of 8", 6" and 4" distribution replacement piping, associated appurtenances, water meter installation, redrilling municipal Laramie-Fox Hills well, 270,000 gallon water storage tank
  - \* Town of Silver Plume: 6,500 ft. of 6" transmission line replacement, 12,000 ft. of 8", 6" and 4" water distribution piping replacement, water meter system, water storage tank rehabilitation, 0.25 MGD microfilter water treatment
  - \* Town of Pritchett: Modification of 3 well houses including internal piping, chlorination systems, meters, 1 new well house, well pump replacement, 267,000 gallon water storage standpipe
  - \* Cherokee Metropolitan District: 25,000 feet of 24-inch interceptor sewer, 25,000 feet of 20-inch nonpotable water line, analysis of two sanitary sewer lift stations
  - \* Town of Branson: 12,000 ft. of 2" raw water transmission line, 22,500 ft. of 8", 6", 4" and 2" water distribution piping replacement, associated appurtenances, two 55,000 gallon water storage tanks
  - \* Town of Limon: 19,000 ft. of 10" raw water transmission line, 2,500 ft. of 8", 6" and 4" distribution line replacement, 1.0 million gallon water storage tank
  - \* Town of Swink: 13,400 ft. of 8", 6" and 4" piping for dual water system, water meter replacement with radio read system
  - \* Town of Olney Springs: 24,500 ft. of 8", 6" and 4" distribution replacement piping, associate appurtenances, 132,000 gallon water storage tank; 3-mile raw water transmission line; redevelopment of springs collection system, chemical feed system for iron and manganese control, chlorination facilities and equipment
  - \* Town of Genoa: Non-discharging wastewater treatment plant expansion
  - \* Town of Deer Trail: Sanitary sewer lift station, review of WWTF design; coordination between lift station and replacement of existing sanitary sewer collection system
  - \* Raw water collection, conveyance and treatment system, pumping facilities, chlorination equipment, 142,000 gallon water storage tank
  - \* Water treatment plant, including 3 green sand filters, chemical additions to remove iron and manganese, corrosion control, backwash water storage tank
- \* Camp Dresser & McKee, 1998 - 2002