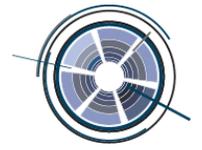


**EXHIBIT D – REPORT WRITERS RESUMES**



# NICHOLAUS P. MARCOTTE, PE

## PRESIDENT & PROJECT MANAGER



### PROJECT EXPERIENCE

#### **Wastewater Treatment Plant Improvements | Project Manager** **Center Sanitation District | Center, CO**

Managed design of 0.60 MGD activated sludge wastewater treatment plant to replace lagoon system. Acted as project and client manager including oversight of design, budget, and funding. Plant was designed to meet stringent effluent groundwater limits including total inorganic nitrogen limit of 10 mg/L and total coliform limit of 2.2 per 100 mL. Design included: influent lift station, headworks, hybrid continuous flow/sequencing batch reactor activated sludge system, tertiary filter, UV disinfection, and sludge handling. Obtained and managed funding for project design and construction through CDPHE, DOLA, and USDA.

#### **Water Treatment Plant Improvements | Project Manager** **Greatrock North Water and Sanitation District | Adams County, CO**

Design, bidding, and construction management of a 200 GPM reverse osmosis water treatment plant improvement project. Services included preliminary bidding and pre-qualification of reverse osmosis equipment, design and permitting through CDPHE, and land use permitting through Adams County.

#### **Water Treatment Plant Improvements | Project Manager** **City of Ouray | Ouray County, CO**

Planning and design of a 3 MGD ultra-filtration water treatment plant for the City of Ouray. The city's water source was determined to be groundwater under the influence of surface water and required a fast tracked treatment plant design. Element worked with the city to complete CMAR bidding, design, permitting, and funding of the project.

#### **Water System Improvements | Project Manager** **Lake Forest Mutual Water Company | Grand Lake, CO**

Acted as project and client manager for water system improvements project including 12,500 linear feet of water distribution pipe, pressure reducing valves, 45,000 gallon potable water storage tank, and distribution pumping system. Coordinated between company representatives and design team to determine appropriate pipe alignment based on narrow utility corridors and mountainous terrain. Compiled EJDC contract documents in accordance with USDA requirements. Managed funding for project design and construction through USDA.

#### **Wastewater Treatment Plant Improvements | Project Manager** **Town of Hugo | Hugo, CO**

Managed design of 0.085 MGD evaporative pond system and associated lift station to replace un-aerated, un-lined lagoon system not capable of meeting CDPHE effluent limits. Coordinated with CDPHE and client to manage design, permitting, funding, and floodplain details. Obtained and managed design and construction funding through CDPHE and DOLA.

### EDUCATION

**BS, CIVIL ENGINEERING**  
UNIVERSITY OF KANSAS  
LAWRENCE, KANSAS

### PROFESSIONAL CERTIFICATION

**STATE OF COLORADO**  
**PROFESSIONAL ENGINEER**  
LICENSE NO. 47164

**STATE OF KANSAS**  
**PROFESSIONAL ENGINEER**  
LICENSE NO. 23806

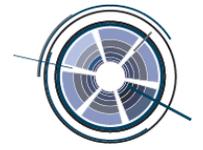
**STATE OF WYOMING**  
**PROFESSIONAL ENGINEER**  
LICENSE NO. 16199

### EXPERIENCE

NICK HAS OVER 15 YEARS OF EXPERIENCE IN CIVIL ENGINEERING INCLUDING PROJECT MANAGEMENT, CLIENT MANAGEMENT, WASTEWATER TREATMENT AND COLLECTION DESIGN, WATER TREATMENT AND DISTRIBUTION DESIGN, MASTER PLANNING, CONTRACT DOCUMENTS, CONSTRUCTION OBSERVATION, AND GRANT FUNDING ASSISTANCE .

# NICHOLAUS P. MARCOTTE, PE

## PRESIDENT & PROJECT MANAGER



### **Wastewater Treatment Plant Improvements—Activated Sludge | Project Manager & Project Engineer**

Managed and designed activated sludge wastewater treatment plants including flow monitoring, lift station, headworks, secondary treatment, tertiary filter, UV disinfection, and chlorine disinfection. Designed to meet stringent effluent ammonia, total inorganic nitrogen, and total coliform limits. Compiled and managed the compilation of design reports, construction drawings, and contract documents. Projects include:

*Center Sanitation District | Edgemont Ranch Metropolitan District | Town of Alma | Town of Red Cliff*

### **Wastewater Treatment Plant Improvements—Lagoons | Project Manager & Project Engineer**

Managed and designed lagoon wastewater treatment plant improvements including flow monitoring, lift station, headworks, complete mix and partial mix lagoons, cold weather nitrification technologies, chlorine disinfection, hydraulic re-rating, and discharge point relocation. Designed to meet effluent BOD, TSS, ammonia, and Regulation 84 re-use limits. Compiled and managed the compilation of alternative technology reports, design reports, construction drawings, and contract documents. Projects include:

*Kremmling Sanitation District | Fairways Metropolitan District | Town of Del Norte*

### **Evaporative Wastewater Treatment | Project Manager & Project Engineer**

Managed and designed non-discharging evaporative wastewater treatment ponds as low maintenance alternatives to discharging lagoons or activated sludge plants. Compiled and managed the compilation of design reports, construction drawings, and contract documents. Projects include:

*Town of Hugo | Town of Eckley | Town of Wiley | Town of Bethune | Town of Ramah*

### **Water System Improvements | Project Manager & Project Engineer**

Managed and designed water treatment, storage, and distribution system pumping equipment including: groundwater and surface water treatment; buried, at-grade, and elevated water storage tanks and clearwells; and pumping systems designed to meet 10 - 2,000 gpm. Compiled and managed the compilation of design reports, construction drawings, and contract documents. Projects include:

*Town of Del Norte | Town of Buena Vista | Town of Hugo | Greatrock North WSD | Lake Forest Mutual Water Company | Town of Kremmling*

### **Water Distribution, Sanitary Sewer Collection, and Irrigation Systems | Project Manager & Project Engineer**

Managed and designed thousands of linear feet of water distribution pipe, pressure reducing valves, sanitary gravity collection pipe, wastewater lift stations, wastewater force main, and sanitary sewer manholes. Compiled and managed the compilation of design reports, construction drawings, and contract documents. Projects include:

*Lake Forest Mutual Water Company | Town of Del Norte | Town of Buena Vista | City of Monte Vista | East Alamosa Water and Sanitation District | Buckhorn Valley Metropolitan District | Crestview Water and Sanitation District | Town of Kremmling*

### **Utility Master Planning | Project Manager & Project Engineer**

Managed and compiled master plans documenting existing utility infrastructure and recommended improvements including cost estimates and user rate analyses to support improvements. Projects include:

*Deer Creek Water District | City of Monte Vista | Greatrock North WSD | Town of Del Norte | Town of Eckley | Town of Springfield | Town of Holly | Town of Hollyoke | Town of Sedgwick*

# NICHOLAUS P. MARCOTTE, PE

## PRESIDENT & PROJECT MANAGER



### Development Review

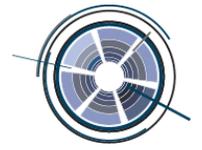
Performed reviews on several developments and site plans. Reviews include a range of development sizes from subdivisions as large as 500 lots to site plans for commercial properties. Complete and compile development standards tailored to clients as necessary so developers have a set standard that must be adhered to. Construction management of development services. Development services closeout including initial acceptance walkthroughs, punch lists, and final acceptance.

*Town of Del Norte | Town of Calhan | Town of Gilcrest | Crestview Water and Sanitation District | Berkeley Water and Sanitation District | Greatrock North WSD*



# MICHAEL HAGER

## PROJECT & CONSTRUCTION MANAGER



### PROJECT EXPERIENCE

#### **Wastewater Collection System Improvements | Project & Construction Manager Town of Del Norte | Del Norte, CO**

Project Manager for an 80,000 linear feet gravity sewer collection system rehabilitation project. Project also included the construction of a lift station to convey all wastewater from the collection system to the town's wastewater treatment plant. Total project cost: \$9,000,000. Developed EJCDC contract documents and technical specifications for bidding, per USDA requirements.

#### **Water and Street Rehabilitation | Project & Construction Manager City of Dacono | Dacono, CO**

Project Manager for this \$7.5-million project that included a field survey of existing utilities, roadway conditions, and determining asphalt replacement areas and alignments for new utilities. Managed the design of the replacement of 40,000 LF of aging and leaking water mains, 450 water service lines, meters and meter pits, fire hydrants, 75,000 LF of curb, gutter and sidewalks, and 45,000 LF of asphalt roadways. Developed contract documents and technical specifications for bidding.

#### **Capital Improvements Plan | Project Manager City of Sheridan | Sheridan, CO**

Performed a complete walk through evaluation of all city streets including evaluations of existing pavement, city utilities, and coordination with private utility companies of infrastructure conditions. Developed pavement condition indices (PCI) for each street. Completed a Capital Improvement Plan and cost estimates for the city to use in a bond issue for city wide improvements.

#### **Water System Improvements | Project & Construction Manager Hi-Land Acres Water and Sanitation District | Brighton, CO**

Performed construction management and observation for this \$900,000 project that included the installation of 14,000 LF of water line, fire hydrants, air relief valves, 112 water service meter pits and meters, asphalt patching and replacement. This project was completed using funds from the American Reinvestment Recovery Act, which required maintaining records that complied with Davis/Bacon wage requirements and Buy American requirements. Additional requirements for this ARRA-funded project included performing interviews for compliance with Contractor employees, certifying payrolls, maintaining and supplying all records for audits by the State of Colorado as well as the Office of the Attorney General. Also maintained daily logs, as-builts, monthly pay applications, and reviewed and submitted monthly job creation data. Performed field engineering when unforeseen obstacles were in the way of the original design, and negotiated all change orders with the contractor.

### CERTIFICATIONS

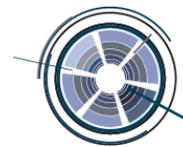
WATER TREATMENT  
WATER DISTRIBUTION  
WASTEWATER TREATMENT  
SANITARY SEWER COLLECTIONS  
INSPECTOR TRAINING

### EXPERIENCE

MIKE HAS OVER 30 YEARS OF EXPERIENCE IN MUNICIPAL GOVERNMENT AND ENGINEERING. HIS EXPERIENCE INCLUDES: TOWN MANAGER, PUBLIC WORKS DIRECTOR, WASTEWATER TREATMENT PLANT OPERATIONS AND COLLECTION, DISTRIBUTION DESIGNS, OPERATIONS AND MAINTENANCE, AND ROADWAY DESIGN. MIKE HAS SPENT THE LAST 16 YEARS AS A PROJECT MANAGER/SENIOR CONSTRUCTION MANAGER. MIKE CURRENTLY IS THE ENGINEER REPRESENTATIVE FOR SEVERAL MUNICIPALITIES AND SPECIAL DISTRICTS.

# MICHAEL HAGER

## PROJECT & CONSTRUCTION MANAGER



### PROJECT EXPERIENCE

#### Project Management

Managed design and construction of wastewater treatment, water treatment, sanitary sewer collection system, water distribution system, and roadway project with construction budgets between \$10,000 and \$9,000,000. Projects include:

*City of Monte Vista | Town of Del Norte | Town of Eckley | City of Dacono | Town of Kersey | Town of Estes Park*

#### Construction Management/Inspection | Construction Manager & Resident Project Representative

Performed construction management of water, wastewater, drainage, and roadway projects including pay applications, Davis Bacon Wage Rate requirements, American Iron & Steel Requirements, submittal review, and budget tracking. Conducted on-site inspections to ensure construction remained on schedule and met all criteria outlined in the construction drawings. Coordinated with contractor and engineer to ensure successful completion of projects. Projects include:

*Town of Buena Vista | City of Dacono | Hi-land Acres Water and Sanitation District | Town of Eckley | Town of Milliken | City of Dacono | Forest View Acres | Town of Bennett | Town of Kersey | Town of Estes Park*

#### Utility Design | Project Engineer, Project Manager, & Construction Manager

Designed and managed waterline replacements, sanitary sewer collection system replacements, wastewater lift station designs, street rehabilitation, wastewater treatment plant improvements, and water treatment plant improvements.

Projects include:

*Hi-land Acres Water and Sanitation District | Town of Kersey | Town of Del Norte | Town of Kremmling | City of Dacono | Town of Estes Park | City of Monte Vista | Town of Eckley | Lake Forest Mutual Water Company*

#### Engineering/Capital Improvements Reports | Project Engineer & Project Manager

Reviewed sanitary sewer gravity pipe videos, identified problem areas, completed site walks to conduct street evaluations, developed pavement condition indices (PCI), conducted review of existing infrastructure and utilities, compiled capital improvements plan documenting existing conditions and proposed improvements, presented cost estimates for proposed improvements, completed user rate analyses to support potential improvements projects. Projects include:

*Applewood Sanitation District | City of Sheridan | Town of Kersey | Crestview Water and Sanitation District | Fairways Metropolitan District | Forest View Acres Water District | Town of Del Norte*

#### Water & Wastewater Operations | Operator

Duties for the following clients included lab testing, completing Discharge Monitoring Reports, Annual Sludge Monitoring Reports, correspondences with the Colorado Department of Public Health and Environment (CDPHE), troubleshooting treatment problems, and preparing annual budgets.

*Town of Kersey | Town of Ault | City of Evans*

#### Wastewater Collections and Water Distribution | Operator

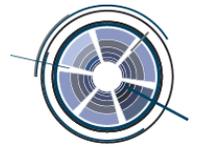
Coordinated daily locates, annual maintenance, review of annual sewer videos, production of annual reports, preparation of annual budgets, and production of an annual bid package for system repairs. Water system responsibilities included maintenance of distribution system, water meter installation and repairs, troubleshooting distribution systems problems, field inspections on new water main line installations, plan reviews for water systems, and preparing annual budgets associated with water departments.

*Westridge Sanitation District | City of Evans | Applewood Sanitation District | Town of Kersey*



# Alice M. ARSENAULT, PE

## PROJECT ENGINEER



### PROJECT EXPERIENCE

#### **Wastewater Treatment Plant Improvements | Project Engineer Center Sanitation District | Center, CO**

Designed 0.60 MGD activated sludge wastewater treatment plant to replace lagoon system. Plant was designed to meet stringent effluent groundwater limits including total inorganic nitrogen limit of 10 mg/L and total coliform limit of 2.2 per 100 mL. Design included: influent lift station, headworks, hybrid continuous flow/sequencing batch reactor activated sludge system, tertiary filter, UV disinfection, and sludge handling. Assisted with and managed funding for project design and construction through CDPHE, DOLA, and USDA.

#### **Water System Improvements | Project Engineer Lake Forest Mutual Water Company | Grand Lake, CO**

Designed 12,500 linear feet of water distribution pipe, pressure reducing valves, 45,000 gallon potable water storage tank, and distribution pumping system. Existing distribution system was in poor condition and required complete replacement. Significant modifications to existing alignment were necessary to adequately loop system and limit construction difficulty due to narrow utility corridors and mountainous terrain. Assisted with and managed funding for project design and construction through USDA.

#### **Wastewater Treatment Plant Improvements | Project Manager & Project Engineer North La Junta Sanitation District | La Junta, CO**

Designed 0.055 MGD activated sludge wastewater treatment plant to meet effluent total inorganic nitrogen limit of 21 mg/L. This plant replaced an existing lagoon system that was under a Notice of Violation/Cease and Desist Order due to effluent violations. Design included: headworks, extended aeration activated sludge system, chlorine disinfection, and sludge handling. Assisted with and managed funding for project design and construction through CDPHE and DOLA.

#### **Wastewater Treatment Plant Improvements | Project Manager & Project Engineer Town of Hugo | Hugo, CO**

Replaced an un-aerated, un-lined lagoon system not capable of meeting CDPHE effluent limits with an evaporative pond system. The system was permitted at an influent flow of 0.085 MGD. Design also included a replacement lift station to pump all wastewater in the collection system to the new evaporative ponds. Assisted with and managed funding for project design and construction through CDPHE and DOLA.

#### **Sanitary Sewer Improvements | Project Manager & Project Engineer Town of Olney Springs | Olney Springs, CO**

Designed replacement of 2,500 liner feet of sanitary sewer pipe and 10 sanitary sewer manholes. Installed new manholes in locations where sewer mains previously tied directly into other sewer mains. Assisted with grant and loan funding for design and construction through CDPHE and DOLA.

### EDUCATION

**BS, ENVIRO. ENGINEERING**  
COLORADO SCHOOL OF MINES  
GOLDEN, COLORADO

### PROFESSIONAL CERTIFICATION

**STATE OF COLORADO  
PROFESSIONAL ENGINEER**  
LICENSE NO. 53350

### EXPERIENCE

ALICE HAS OVER 9 YEARS OF EXPERIENCE IN CIVIL ENGINEERING INCLUDING WASTEWATER TREATMENT AND COLLECTION DESIGN, WATER TREATMENT AND DISTRIBUTION DESIGN, CONTRACT DOCUMENTS, PROJECT MANAGEMENT, AND GRANT FUNDING ASSISTANCE AND COORDINATION.