

**Amendment No. 3 to the Engineering Services Agreement for
Water Transmission Line Layout and Easement Acquisition**

Date: _____

WHEREAS, the CITY OF FAYETTEVILLE and McClelland Consulting Engineers, Inc. (ENGINEER) entered into an Agreement for Professional Engineering Services (AGREEMENT) on June 5, 2012; and,

WHEREAS, the CITY OF FAYETTEVILLE and ENGINEER entered into Amendment No. 1 to the AGREEMENT on July 6, 2021 to perform additional services outside of the scope of the AGREEMENT; and,

WHEREAS, the CITY OF FAYETTEVILLE and ENGINEER entered into Amendment No. 2 to the AGREEMENT on September 6, 2022 to perform additional services outside of the scope of the AGREEMENT; and,

WHEREAS, the CITY OF FAYETTEVILLE has requested that ENGINEER perform additional services outside of the scope of the AGREEMENT, Amendment No. 1 and Amendment No. 2.

NOW THEREFORE, the following modifications will be made to the AGREEMENT to include the additional services requested:


MODIFICATIONS:

1. Section 2.2.1 – the additional scope of services is included in the attached Appendix “A-1”.
2. Section 5.1.1 – the maximum not-to-exceed amount is increased from \$1,547,085.00 to **\$2,993,425.00**. Modifications to compensation are included in the attached Appendix “A-1”.

IN WITNESS WHEREOF, the parties execute this Amendment No. 3, to be effective on the date set out above.

McClelland Consulting Engineers, Inc.

City of Fayetteville, Arkansas

BY: 

Nicholas R. Batker, P.E.
Senior Associate

BY: _____
Mayor Lioneld Jordan

APPENDIX A-1 – SCOPE OF ADDITIONAL SERVICES AMENDMENT NO. 3 TO THE ENGINEERING SERVICES AGREEMENT FOR THE WEST CORRIDOR WATER TRANSMISSION MAIN

1.0 General

The ENGINEER is currently under contract with the CITY OF FAYETTEVILLE to perform preliminary design services for the future 48-inch water transmission main extending from Highway 112 (between Van Asche Drive and Truckers Drive) in Fayetteville to the future Beaver Water District (BWD) pump station located north of the intersection of Highway 612 and Miller Road in Springdale. The total length of this pipeline is approximately 59,700 linear feet, or 11.3 miles.

The CITY OF FAYETTEVILLE's goal is to have this pipeline installed and ready to be placed into operation by the first quarter of 2026. In an effort to meet this deadline, the CITY OF FAYETTEVILLE has recently selected a Construction Manager at-Risk (CMAR) to perform preconstruction services, potential early materials procurement and/or work packages, and overall construction management services.

In addition, the CITY OF FAYETTEVILLE recently accepted an \$85 million loan for this project from the Drinking Water State Revolving Loan Fund (DWSRF), administered by the Arkansas Department of Agriculture, Natural Resource Division (ANRD). The loan must be closed including first disbursement of funds on or before July 1, 2024 in order to obtain the 1.75% interest rate offered.

In order to continue assisting the CITY OF FAYETTEVILLE with this project, the following scope of additional services covers the effort required by the ENGINEER to complete the final design phase for the water transmission main in order to meet the loan closing deadline and overall project schedule. ENGINEER's services in this Amendment No. 3 shall meet the DWSRF program requirements.

2.0 Scope of Additional Services

2.1 Project Management and Coordination

The ENGINEER will continue to provide project management and coordination services to the CITY OF FAYETTEVILLE in this Amendment No. 3. The following services are included in this task:

- Conduct progress meetings with the CITY OF FAYETTEVILLE and CMAR. At this time, it is assumed that progress meetings will be held biweekly; however, the ENGINEER is available to meet more frequently if required. A total of twenty-four (24) progress meetings have been assumed for this scope.
- Attend up to three (3) Fayetteville Water & Sewer Committee meetings.
- Attend up to twelve (12) meetings with other stakeholders such as BWD, Springdale Water Utilities, Arkansas Department of Transportation (ARDOT), Washington County, Benton County and the cities of Tontitown, Springdale and Elm Springs.
- Attend up to fifteen (15) meetings with property owners to assist in negotiating and finalizing easements required for the project.

- Coordinate with ANRD on meeting DWSRF program requirements. This shall include items such as Memorandum of Agreement preparation assistance, period progress updates, etc.
- Prepare and submit invoices with monthly progress summaries. Up to twelve (12) summaries are assumed.

2.2 Additional Surveying Services

As part of the Amendment No. 2 scope of work, the ENGINEER performed additional topographic surveys to cover changes in alignment and/or grades that occurred since the original project corridor topographic surveys were completed in 2013-2014.

Under this Amendment No. 3, the ENGINEER will perform necessary surveys to complete the final design of the project and final easement acquisitions. Services shall include:

- Additional mapping of surface features identified by the ENGINEER and/or CMAR that are required to finalize the design drawings.
- Field ties to potholed utilities identified by the ENGINEER and/or CMAR.
- Staking of proposed permanent and/or temporary easements requested by the property owner.

Project control points used to complete additional surveys will be shown for future use during construction. The ENGINEER will contact Arkansas 811 and wait the allotted 48 hours prior to beginning the survey to allow time to have utilities field located. The ENGINEER will coordinate with CMAR on field locating utilities not marked by Arkansas 811 to minimize conflicts during construction.

2.3 Environmental Services

An Environmental Information Document (EID) will need to be prepared to satisfy DWSRF requirements for the loan. Additional required items in conjunction with the EID will include a cultural resources survey and may also include a Threatened & Endangered (T&E) Species evaluation.

The ENGINEER will subcontract EID services and the T&E Species evaluation (if determined to be required by ANRD) to FTN Associates Ltd. The ENGINEER will subcontract the cultural resources survey to Flat Earth Archeology, LLC. Following is a detailed scope of work for these items.

2.3.1 Environmental Information Document

This task will include the following:

- Assemble the documentation necessary for and completing the ANRD Environmental Checklist & Information Document. This checklist/document includes a variety of environmental topics, each of which will be answered/discussed specific to the project.
- Coordinate with various agencies (e.g., US Fish & Wildlife Service, Arkansas Historic Preservation Program, etc.) to comply with EID requirements.
- Complete one (1) public meeting in accordance with EID requirements.
- Coordinate with ANRD regarding EID requirements specific to the project and submittal. Address comments as necessary from ANRD and agencies to obtain concurrence on the EID.

2.3.2 Cultural Resources Survey

This task will include the following:

- Conduct a Phase I archeological survey covering the entire length of the project within the limits of permanent and temporary easements. A pedestrian survey will be performed utilizing shovel test excavations in 20-meter intervals along transect(s) within the project limits to identify and assess the status of any cultural deposits or features inside the project limits.
- Prepare the cultural resources report based on the background research as well as the field work. The report will include information on any archeological sites identified and recommendation for the proposed project to be in compliance with federal and state regulations regarding cultural resources. The exact locations of any significant prehistoric or historic archeological sites found will be supplied to the OWNER for planning purposes only, with the stipulation that their locations will not be part of any document released to the public.
- All work will conform to the standards set for the State of Arkansas which are described in *A State Plan for the Conservation of Archeological Resources in Arkansas* (Davis, ed. 1982, amended 2010) and the standards set by the U.S. Secretary of Interior's Standards and Guidelines for Archeological and Historic Preservation.
- Submit the cultural resources report to ANRD, Arkansas Historic Preservation Program, and other agencies/tribes if required for review. Respond to comments and/or questions if required to obtain concurrence on the report.
- Phase II (significance testing, deep trenching, removal of cultural features, etc.) and Phase III (site mitigation) are not included in this scope of work.

2.3.3 T&E Species Evaluation

If required as part of the agency coordination process of the EID, conduct a T&E species evaluation and submit to ANRD and relevant agencies for review. Address comments as necessary to obtain concurrence on the evaluation.

2.4 Additional Geotechnical Investigations

As part of the Amendment No. 2 scope of work, the ENGINEER performed a detailed geotechnical investigation along the project alignment which included up to 81 borings, laboratory testing and analysis and preparation of a geotechnical report.

Under this Amendment No. 3, the ENGINEER will perform additional geotechnical borings, laboratory analysis and reporting for up to 15 additional boring locations. Additional investigations may be required at trenchless crossings, major stream crossings and other areas of concern that may be identified by the ENGINEER OR CMAR. The methods of exploration, field services, laboratory analysis and reporting shall be as outlined in Amendment No. 2.

2.5 Final Design

The ENGINEER will perform final design phase services as part of this Amendment No. 3 and will utilize the following subconsultants to assist in completing scope items in this task:

- Carollo Engineers – development of special details and technical specifications for steel pipe and large diameter valves; and quality control/quality assurance review of plans, specifications, surge analysis and CMAR guaranteed maximum price (GMP)
- Coffman Engineers – development of plans, details and technical specifications associated with the impressed current cathodic protection system; and preparation of the final corrosion report
- Brown Engineers – development of plans, details and technical specifications for electrical service required for the two (2) proposed cathodic protection rectifier fields
- Bennett Trenchless Engineers – development of plans, details and technical specifications for trenchless installations required on the project
- Black & Veatch – update the hydraulic surge analysis (previously completed for BWD) of the proposed water transmission main system and associated final report

In accordance with DWSRF requirements, selection of iron and steel products to be used in this project shall be in compliance with the American Iron & Steel (AIS) provisions as outlined on EPA's website: <https://www.epa.gov/cwsrf/state-revolving-fund-american-iron-and-steel-ais-requirement>.

Following is a detailed breakdown of services to be provided during the final design phase.

2.5.1 30% Design Review Workshop

- Conduct workshop with CITY OF FAYETTEVILLE and CMAR to review 30% design submittal

2.5.2 60% Design

The following items are included in the 60% Design Phase:

- 60% Plans
 - Cover and general sheets
 - Plan & profile sheets
 - Trenchless installation plan & profile sheets
 - Creek crossing details
 - Existing utility protection details
 - Standard project details
 - Cathodic protection plans and details
 - Electrical site plans, one-line diagrams and details
- 60% Technical Specifications
 - Preliminary technical specifications with emphasis on spiral welded steel pipe and large diameter valves

- Surge Analysis and Report
 - Hydraulic surge analysis utilizing information obtained from the BWD pump station surge analysis
 - Brief summary report on findings
 - Recommended minimum pipe thickness for design purposes
- Final Corrosion Report
- Technical Memorandum on Additional Design Considerations
 - Connections to valves and other appurtenances
 - Coatings for fittings and other appurtenances
 - Sampling ports
 - Internal and external access considerations
- 60% Design Review Workshop
 - Conduct workshop with CITY OF FAYETTEVILLE and CMAR to review 60% design submittal
 - Address comments from workshop
 - Review and comment on CMAR's 60% GMP
- ADH Submittal/Coordination
 - Address comments from ADH on 30% design submittal
 - Submit 60% design package for review
 - Address comments from ADH on 60% design submittal
 - Obtain ADH conditional approval on potential Early Work Packages (steel pipe, large diameter valves, trenchless installations)

2.5.3 90% Design

The following items are included in the 90% Design Phase:

- 90% Plans
 - Same as 60% plans, except to a final review level
- 90% Technical Specifications
 - Final review level technical specifications
- Roadway/Highway Crossing Permits
 - ARDOT crossings
 - City roadway crossings
 - County roadway crossings
- 90% Design Review Workshop
 - Conduct workshop with CITY OF FAYETTEVILLE and CMAR to review 90% design submittal
 - Address comments from workshop
 - Review and comment on CMAR's 90% GMP
- ADH Submittal/Coordination
 - Submit 90% design package for review
 - Address comments from ADH on 90% design submittal
 - Obtain ADH approval on overall project

2.5.4 100% Design

The following items are included in the 100% Design Phase:

- 100% Plans
 - Final signed and sealed plans for CMAR use in bidding/construction of work packages
- 100% Technical Specifications
 - Final signed and sealed specifications for CMAR use in bidding/construction of work packages

2.5.5 Early Work Packages

It is anticipated that the CMAR will issue Early Work Packages in order to meet the project schedule. Early Work Packages may include pipe procurement, valve procurement, clearing and grubbing, and trenchless installations. As such, the ENGINEER shall provide the following services in this task:

- Compilation of contract documents and submittal to ANRD for concurrence. Note that ANRD standard contract forms for construction must be used. All other contract documents shall be subject to approval by the CITY OF FAYETTEVILLE and ANRD. CMAR shall be responsible for preparing bid schedules for the Early Work Packages.
- Assist CMAR during the bidding phase of Early Work Packages:
 - Respond to bidder's questions and requests for information (RFIs)
 - Assist CMAR with the preparation of addenda
 - Attend bid openings
 - Review bid tabulations. CMAR shall be responsible for preparing bid tabulations.
 - Provide assistance to CITY OF FAYETTEVILLE on recommendation of award on Early Bid Packages.

3.0 Project Deliverables

3.1 Environmental Reports – PDF and one (1) hard copy of each:

3.1.1 Draft EID

3.1.2 Final EID

3.1.3 Cultural Resources Survey Report

3.1.4 T&E Species Evaluation Report

3.2 Supplemental Geotechnical Report – PDF and (1) hard copy.

3.3 60% Design Submittal – PDF and one (1) hard copy of each:

3.3.1 60% Plans (11x17 hard copy)

3.3.2 60% Technical Specifications

3.3.3 Surge Analysis Report

3.3.4 Final Corrosion Report

3.3.5 TM on Additional Design Considerations

- 3.4 90% Design Submittal – PDF and one (1) hard copy of each:
 - 3.4.1 90% Plans (22x34 hard copy)
 - 3.4.2 90% Technical Specifications
 - 3.4.3 Roadway and Highway Crossing Permits
- 3.5 100% Design Submittal – PDF and one (1) hard copy of each:
 - 3.5.1 100% Sealed Plans
 - 3.5.2 100% Sealed Technical Specifications
- 3.6 Other electronic files as requested by the CITY OF FAYETTEVILLE.

4.0 Compensation

In consideration of the performance of the foregoing services by the ENGINEER, the CITY OF FAYETTEVILLE will pay to the ENGINEER compensation as follows:

- 4.1 Compensation will be paid to the ENGINEER on the basis of ENGINEER's standard hourly rates in effect at the time the work is performed, plus reimbursable expenses. A task hour fee breakdown is provided as Appendix A-2. ENGINEER's current rate schedule is attached hereto as Appendix A-3.
- 4.2 The maximum not-to-exceed for Amendment No. 3 will be **\$1,446,340.00**.
- 4.3 The maximum not-to-exceed total contract amount is increased from \$1,547,085.000 to **\$2,993,425.00**

5.0 Project Schedule

The ENGINEER will begin work under Amendment No. 3 immediately upon receipt of a Notice to Proceed (NTP). The overall anticipated project schedule is provided in *Exhibit A*.

6.0 Additional Future Services

Additional future services will include, but not be limited to the following:

- Bid Phase Services for Primary Work Package(s); and
- Construction Phase Services.

The scope for these future additional services will be defined by the ENGINEER and CITY OF FAYETTEVILLE prior to completion of the services under this Amendment No. 3, and will be authorized under future amendment(s) to this Agreement.

APPENDIX A-2

City of Fayetteville - West Corridor Water Transmission Main
 Amendment No. 3 - Preliminary Design
 Personnel Hour Fee Estimate
 9/24/2023



Task Description	Sr. Project Manager	Project Manager	Structural Engineer	Project Engineer/Designer	CAD/GIS Technician	Reg. Land Surveyor	Survey Technician	Field Survey Crew	Lab Tech I	Lab Tech II	Geotech Engineer	Extended Cost
Task 2.1 - Project Management and Coordination												
Biweekly Progress Meetings (24 total assumed)	48.00	48.00		48.00								\$27,840.00
Water & Sewer Committee Meetings (3 total assumed)	12.00	12.00										\$5,280.00
Other Stakeholder Meetings (12 total assumed)	24.00	24.00		6.00								\$11,400.00
Property Owner Coordination/Meetings (15 assumed)		60.00		30.00								\$15,600.00
Coordination with ANRD on DWSRF Program Requirements	4.00	32.00		4.00								\$7,640.00
Monthly Progress Reports (12 total assumed)	12.00	24.00		12.00								\$9,240.00
Subtotal Labor Hours / Fee - Task 2.1	100.00	200.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$77,000.00
Estimated Reimbursable Expenses/Subconsultants												
Mileage												\$1,000.00
Subtotal Reimbursable Expenses - Task 2.1												\$1,000.00
Total Task 2.1 - Project Management and Coordination	100.00	200.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$78,000.00
Task 2.2 - Additional Surveying Services												
Additional Mapping of Surface Features								30.00				\$4,950.00
Field Ties to Potholed Utilities								40.00				\$6,600.00
Easement Staking								30.00				\$4,950.00
Drafting						5.00	20.00					\$2,300.00
QA/QC						5.00						\$700.00
Subtotal Labor Hours / Fee - Task 2.2	0.00	0.00	0.00	0.00	0.00	10.00	20.00	100.00	0.00	0.00	0.00	\$19,500.00
Estimated Reimbursable Expenses/Subconsultants												
Mileage												\$500.00
Utility Locates (Arkups)												\$500.00
Subtotal Reimbursable Expenses - Task 2.2												\$1,000.00
Total Task 2.2 - Additional Survey Services	0.00	0.00	0.00	0.00	0.00	10.00	20.00	100.00	0.00	0.00	0.00	\$20,500.00
Task 2.3 - Environmental Services												
Subconsultant Coordination	4.00	16.00										\$4,040.00
Provide EID Info to Subconsultant	2.00	4.00		24.00								\$4,620.00
Review EID and Coordinate with ANRD	4.00	8.00		8.00								\$3,640.00
Agency Coordination	6.00	24.00		16.00								\$8,300.00
Review Cultural Resources Survey Report	4.00	8.00		12.00								\$4,200.00
Subtotal Labor Hours / Fee - Task 2.3	20.00	60.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$24,800.00
Estimated Reimbursable Expenses/Subconsultants												
Subconsultant - FTN Associates Ltd. (Environmental Information Document)												\$10,000.00
Subconsultant - FTN Associates Ltd. (T&E Species Survey) - only if required and authorized by City of Fayetteville												\$30,000.00
Subconsultant - Flat Earth Archeology, LLC (Cultural Resources Survey)												\$30,000.00
Subtotal Reimbursable Expenses - Task 2.3												\$70,000.00
Total Task 2.3 - Environmental Services	20.00	60.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	\$94,800.00
Task 2.4 - Additional Geotechnical Investigations												
Geotech Exploration & Field Services									40.00			\$4,000.00
Lab Testing & Analysis (see below)										20.00	10.00	\$4,800.00
Geotech Reporting & Coordination												\$0.00
Subtotal Labor Hours / Fee - Task 2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	20.00	10.00	\$8,800.00
Estimated Reimbursable Expenses/Subconsultants												
Equipment Mobilization/Demobilization (assume 2 truck rig mob/demob @ \$300/EA; 2 track rig mob/demob @ \$600/EA)												\$1,800.00
Boring Setup (15 bores @ \$40/EA)												\$600.00
SPT Auger Drilling (assumed 300 LF @ \$13/LF)												\$3,900.00
Water-Based Rock Coring (Diamond Bit) (assumed 75 LF @ \$40/LF)												\$3,000.00
In-House Laboratory Testing (Moisture Content, Atterberg Limits, Gradation, Comp. Strength of Rock Cores)												\$1,500.00
Third Party Laboratory Testing (Soil Resistivity, pH, Sulfates, Chlorides, Sulfides, Redox Potential)												\$2,500.00
Pavement Patching (assumed 4 patches @ \$35/EA)												\$140.00
Diamond Rock Bits (assumed 2 bits @ \$650/EA)												\$1,300.00
Subtotal Reimbursable Expenses - Task 2.4												\$14,740.00
Total Task 2.4 - Geotechnical Investigations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	20.00	10.00	\$23,540.00
Task 2.5 - Final Design												
30% Design Review/Kickoff Workshop with City and CMAR	10.00	10.00		10.00								\$5,800.00
60% Design												
60% Plans	100.00	240.00	60.00	340.00	640.00							\$199,400.00
60% Technical Specifications	20.00	120.00	20.00	200.00								\$59,400.00
Surge Analysis and Report (Review and Coordination with Sub)	10.00	40.00		40.00								\$15,700.00
Final Corrosion Report (Review and Coordination with Sub)	10.00	20.00		20.00								\$9,100.00
TM on Additional Design Considerations	10.00	20.00		40.00								\$11,900.00
60% Design Review Workshop (incl. address comments)	20.00	20.00		40.00	40.00							\$18,800.00
ADH Submittal/Coordination	20.00	40.00		100.00	60.00							\$33,200.00
QA/QC	40.00	80.00	10.00	80.00	120.00							\$51,400.00
90% Design												
90% Plans	80.00	160.00	20.00	240.00	440.00							\$136,000.00
90% Technical Specifications	20.00	80.00	5.00	160.00								\$43,500.00
Roadway/Highway Crossing Permits	10.00	40.00		120.00								\$26,900.00
90% Design Review Workshop (incl. address comments)	20.00	20.00		40.00								\$14,400.00
ADH Submittal/Coordination	20.00	40.00		100.00	60.00							\$33,200.00
QA/QC	40.00	60.00	10.00	80.00	120.00							\$47,600.00
100% Design												
100% Plans	10.00	40.00	10.00	100.00	200.00							\$47,900.00
100% Technical Specifications	10.00	40.00	5.00	80.00								\$22,200.00
QA/QC	10.00	20.00	10.00	40.00	40.00							\$18,100.00
Early Work Packages												
Compile Contract Documents and Obtain ANRD Concurrence	10.00	30.00		30.00								\$12,400.00
Bid Phase Assistance (up to 4 EWP's)	50.00	100.00	10.00	100.00	60.00							\$53,900.00
Subtotal Labor Hours / Fee - Task 2.5	520.00	1220.00	160.00	1960.00	1780.00	0.00	0.00	0.00	0.00	0.00	0.00	\$860,800.00
Estimated Reimbursable Expenses/Subconsultants												
Mileage												\$1,000.00
Subconsultant - Coffman Engineers (Corrosion Protection Design)												\$38,200.00
Subconsultant - Brown Engineers (Electrical)												\$6,500.00
Subconsultant - Bennett Trenchless Engineers (Trenchless Design)												\$100,000.00
Subconsultant - Black & Veatch (Surge Analysis)												\$20,000.00
Subconsultant - Carollo (Technical Advisor/QA/QC on TMs)												\$203,000.00
Subtotal Reimbursable Expenses - Task 2.5												\$368,700.00
Total Task 2.5 - Final Design	520.00	1220.00	160.00	1960.00	1780.00	0.00	0.00	0.00	0.00	0.00	0.00	\$1,229,500.00
GRAND TOTAL AMENDMENT NO. 2	640.00	1480.00	160.00	2120.00	1780.00	10.00	20.00	100.00	40.00	20.00	10.00	\$1,446,340.00

APPENDIX A-3



8/7/2023

McCLELLAND CONSULTING ENGINEERS, INC.

***STANDARD HOURLY RATES**

Chief Draftsman	\$110 - \$120
Clerical	\$45 - \$85
Construction Observer	\$75 - \$165
Draftsman	\$70 - \$120
Environmental Scientist/Designer	\$125 - \$145
Geotech Engineer	\$125 - \$200
GIS Technician	\$80 - \$140
HR/Payroll Admin	\$75-\$115
Landscape Architect	\$95 - \$200
Media Specialist	\$85 - \$120
Principal	\$185 - \$275
Project Accountant	\$70 - \$155
Project Designer - Intern	\$50 - \$80
Project Designer	\$80 - \$165
Project Engineer	\$120 - \$175
Project Manager	\$130 - \$210
Registered Land Surveyor	\$100 - \$175
Soils Lab Technician	\$50 - \$140
Specification Writer	\$50 - \$100
Sr. Project Manager	\$160 - \$250
Structural Engineer	\$140 - \$180
Survey (2 man or Robotic) Crew	\$115 - \$165
Survey (3 man) Crew	\$150 - \$200
Survey Field (1 Man or Rodman)	\$45 - \$120
Survey GPS	\$75 - \$135
Survey Technician	\$65 - \$110
Expenses	@ Cost
Mileage	.705/mi

** Standard Hourly Rates may be adjusted annually in accordance with the normal salary review practices of McClelland Consulting Engineers.*

