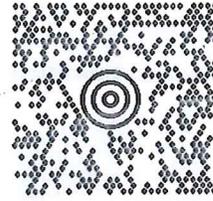


FROM:
LINDA CONN
(573) 221-4048
MECO ENGINEERING COMPANY, INC.
3120 PALMYRA RD
HANNIBAL MO 63401-2204

1 LBS

1 OF 1



MO 656

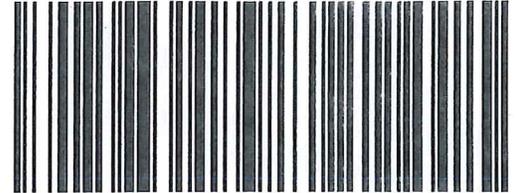


SHIP TO:

CITY CLERK'S OFFICE
CITY OF BRANSON
SUITE 205
110 W MADDUX
BRANSON MO 65616

UPS GROUND

TRACKING #: 1Z 671 594 03 7430 0142



REF 1:SOQ051009KET

BILLING: P/P

WS 22.0.151

Fold here and place in label pocket

CITY OF BRANSON
110 W MADDUX ST
SUITE 205
BRANSON MO 65616

RECEIVED

JUN 24 2019

BY: 1:18 lss

City of Branson

RFQ No: 2493-25

Due Date:

Tuesday, June 25, 2019 @ 3 p.m.



City of Branson – Proposal Number 2493-25

STATEMENT OF QUALIFICATIONS ENGINEERING AND DESIGN SERVICES

What sets us apart from other firms offering similar services? You, as a client, will come first and you will be an integral member of our project team. We are proud of our success in satisfying our clients' goals and needs by providing quality design, being attentive to their concerns, addressing issues promptly and always with respect, meeting project schedules and performing within project budgets. Our local office in Branson, MO will allow us to extend this same personalized, small-town, service to the City of Branson. Our staff and resources are at your fingertips and we are always willing to meet, discuss and troubleshoot problems during all phases of a project.

You can rely on MECO and our project teams to provide the attention to detail, prompt response, and a level of commitment to service, experience, knowledge and expertise that you require and expect of your engineer, meeting your needs and exceeding your expectations. See relevant experience listed below by our firm.

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RELEVANT EXPERIENCE

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Main Replacement
Related Projects**

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This project included two components, the construction of a new 1.5 MGD Bioreactor Membrane (MBR) Wastewater Treatment Plant to replace an existing lagoon unable to meet effluent discharge compliance limits of the State Operating Permit and Phase II Sanitary Sewer Collection System consisting of the installation of 35,000 LF of 6"-12" force main necessary to connect new services to the system and to connect the existing collection system to the new MBR treatment plant. The completed project provides a centralized sanitary sewer collection system and wastewater treatment facility to over 1,400 customers within this district. Equipment cost \$2.8M. MECO provided complete engineering services throughout the project including preparation of the facility plan, survey, design, production of plans/constructible drawings/technical specifications/bids documents/contract documents, cost estimates, project management, construction drawings and maps, easement acquisition assistance, contract administration, construction engineering, construction management and construction observation services.

Forcemain Collection System:
Engineers Estimate: \$791,780
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This \$1.4 million dollar project was designed and bid in the spring of 2008 to increase water capacity and delivery of the potable water supply throughout the City of Boonville and in conjunction with an economic development project.

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Engineers Estimate: \$504,968
Final Construction Cost: \$391,000

**Spring Creek Neighborhood
Sanitary Sewer System Upgrade
Related Projects**

**Chantilly Subdivision
Lincoln County, MO**

Prepare plans and specifications for a residential subdivision (215 lots, two phase subdivision) located on an 80 AC +/- tract of ground in Lincoln, MO. MECO coordinated with the Public Water Supply District #1 of Lincoln County (PWSD), and assisted with the preparation of construction permit applications for MoDNR approval of land disturbance activities, water distribution, gravity sewage collection, sewage lift stations and force mains (within the subdivision). MECO handled preparation of

grading plans, roadway designs, stormwater collection and detention plans. Preparation of a Stormwater Pollution Prevention Plan and providing responses to the PWSD and MoDNR as they relate to our design.

**Sanitary Sewer Collection System (gravity),
Wastewater Treatment Improvements
(LEMNA), Stover, MO**

MECO was commissioned by the City of Stover to study the existing sanitary sewer collection system and wastewater treatment facilities and to prepare a Preliminary Engineering Report/Facility Plan. Extremely strict effluent limits were imposed by the Missouri Department of Natural Resources for this small rural Morgan County community of less than 1,000, due to their close proximity to a highly sensitive, classified receiving stream. MECO provided engineering design for wastewater system improvements, as presented in the Preliminary Engineering Report, (447-006). Project scope components included: abandonment of the existing aerated lagoons, consolidation of all wastewater into one treatment facility, construction of a new wastewater treatment facility, replacement of two existing lift stations with gravity sewer lines, replacement of an existing lift station with the construction of one new lift station in the northeast section of the city, extension of new gravity sewers to serve the Industrial park, and replacement of approximately 1,000 linear feet of damaged gravity sewer lines within the city to improve inflow and infiltration. Wastewater treatment components included: multi-cell LEMNA system with advanced aeration, head works building, blower building and ultraviolet disinfection system. Financing of the \$881,000 project was secured through a \$500,000 CDBG grant, a \$221,000 USDA-RD loan and a \$160,000 USDA-RD grant.

Engineers Estimate: \$1,513,021
Final Construction Cost: \$1,310,698

SCHEDULE

Our work flow diagram is included with this letter; we anticipate a fairly aggressive time-frame to complete the design portion of this project. Several factors will dictate the project completion schedule, but our firm is steadfast on keeping your projects on schedule, and budget, while keeping the line of communication open with the City.

CITY OF BRANSON, WATER SYSTEM EXPANSION
PRESENTED BY: MECO ENGINEERING COMPANY, INC.

INDICATES MECO PRESENT TO MEET AND PROVIDE PROJECT UPDATES AND ANSWER QUESTIONS
WE STRIVE TO BE ATTENTIVE TO THE OWNERS INPUT AND KEEP COMMUNICATION OPEN THROUGHOUT THE PROJECT
MECO ALWAYS STRIVES TO BE PRESENT AND VISIBLE FOR THE DURATION OF A PROJECT



ANTICIPATED PROJECT SCHEDULE

Proposed New Foremain and Lift Station Modification near Falls Pkwy to Dakota Rd. New Extension of Waterline and Sewer to Spring Creek Sub.

TASKS	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019	2020	2020	2020
	June	July	August	September	October	November	December	January	February	March	April	May	June
Statement of Qualifications													
Selection of Engineer													
Notice to Proceed													
Project kick off meeting													
PROJECT 1 - NEW EM/VALVE VAULT													
- Evaluation, Site Inspection/Survey and Design													
- Discuss with City													
- Incorporate Specifications and submit to MoDNR													
- Front End Documents / Contract Requirements and Bid													
- Shop Drawing Review and Construction													
- Project Completion with As Constructed Plans													
PROJECT 2 - WATERMAIN EXTENSION PLAN													
- Evaluation, Site Inspection/Survey and Design													
- Discuss with City													
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- Shop Drawing Review and Construction													
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PROJECT 3 - SEWER EXTENSION PLAN													
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- Discuss with City													
- Incorporate Specifications and submit to MoDNR													
- Front End Documents / Contract Requirements and Bid													
- Shop Drawing Review and Construction													
- Project Completion with As Constructed Plans													

We feel that our team-centered approach will allow for a continuous flow of feedback among all of the project team members including the engineering and public utilities divisions at Branson. This integrated approach allows for a free flowing exchange of design feedback that accelerates the design process and ensures that no time-robbing do-overs will set the project time-frame back. We utilize proven and technologically advanced project management systems to maintain control over project budgets and schedules. We pride ourselves in delivering projects that meet and exceed our Clients' expectations on time and on budget.

Through our years of extensive water and wastewater system design, we have learned with great reliability what the critical path elements are for projects of this scope. Having this knowledge allows us to focus project team resources at their optimum priority to make certain that the longest duration elements are always moving forward and that critical review and permitting deadlines are always met. We begin the process with a scoping meeting that will identify the project team members, assign each members role and develop the chain of command and work flow protocol to identify realistic project milestone expectations. Once information has been compiled for each design scenario, our team will formulate project budgets for each scenario and create a pros and cons evaluation. This cost and benefits assessment will allow our project team to evaluate the most favorable solution for this project. Our design team will meet with the project team to resolve the most beneficial alternative from the study and formulate a plan to implement the chosen solution. Once the preferred alternative is adopted, the next critical path items will be engaged. It is at this point that project budgets will be resolved and bid schedules established. Once the project is bid, our design team will analyze the bids, perform background checks on the low bid contractors and develop recommendations for contract awards.

Our experienced construction observers are available to assist with construction oversight if the City of Branson desires to have the additional monitoring support. Our rigorous construction specifications will provide for state of the art infrastructure that meets the most stringent construction standards.

Quality Assurance / Quality Control Procedures

Our diverse design teams relies on oversight from our senior management. The multiple layers of design and technical document production receives consistent scrutiny and is held to a thorough oversight protocol. The Quality Assurance practices employed at MECO Engineering include programmed design review meetings to monitor and document that the design process is on schedule in within the design budget. MECO integrates multiple professionals across our corporate platform to ensure your project receives thoughtful and thorough review and meets our design objectives. Our vast history of designing water and wastewater systems has shown us how to effectively and efficiently deliver these services in a manner that demonstrates all relevant design criteria have been taken into consideration. Our scheduled oversight reviews include meetings with project managers not designated for this particular project. This unbiased perspective gives this independent reviewer the freedom to look at the project documents with a clean vision and offer feedback on elements that may improve the overall design, project efficiency and budget and general build-ability of the project. MECO's quality control protocol requires that one of MECO's principals not associated with the project will perform a design checklist review to confirm each of the design elements and contract

document construction is in conformance with our and our client's current standards. Throughout the design process we actively engage our Clients so that their ideas and feedback become integral to the design development process. Our philosophy is truly team-centric. We will design the project that our Clients want; and that addresses their performance and budget objectives. We do not design projects without this vital feedback.

Under construction we will observe the DNR quality controls and testing for both water and wastewater improvements. We will submit to DNR the statement of work completed for both the water and wastewater portions of the project.

Project Specific Procedures

How the Projects are to be completed:

Project 1

The plan would continue to use the existing force main as the proposed force main is being constructed. Once the force main is installed, the valve vault will be rebuilt to accommodate the new force main. Once completed, the transmission of the wastewater will be conveyed to the new force main and the existing force main will be abandoned in place.

Projects 2 and 3

These two (2) projects are designed to bring sewer and water to the Spring Creek Subdivision neighborhood. The proposed watermain design shall have a pressure reducing valve for the purpose of looping the system. The sewer extension shall be designed as a gravity fed system to the point of connecting to the existing collection system.

Value Engineering Procedures

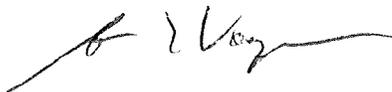
For any given project, there are multiple solutions, sometimes limitless solutions. Our focus throughout the planning and design process is to illustrate the most promising and viable of these solutions and to offer our client the vested opportunity to input their feedback and preferences into the planning process. When we evaluate solutions, we take into account intangible considerations such as speed of construction; reduction of impact to the public; minimization of safety risks for the construction teams; aesthetic and visual considerations; and public relations feedback. Our goal is to incorporate feedback from our client to identify particular concerns or considerations that may not otherwise be evident in solely evaluating design merits for a particular solution. One of the first tools that we employ in value engineering is determining not only initial cost of construction but also long term maintenance and operational costs. We also take into account residual or salvage value for a project. To help us develop an accurate and realistic operational cost projection, we evaluate efficiencies of pumping and the losses within a given system to assess the impact to the monthly power costs to move water from point A to point B. We also evaluate system

maintenance exposure. Typically the greater number of moving parts, the higher the long term maintenance exposure. We evaluate this exposure and determine if an alternative and more cost effective solution is available and build-able.

We will summarize our findings into a value engineering analysis that shows initial construction costs annualized based on an assumed standard debt service; annualized operation and maintenance costs; we will also factor in short-lived assets that are essential for the project. By comparing the summary of each alternative's costs, we will present a thorough and concise projection that gives the client a clear understanding of the big picture project costs. Having this life cycle cost projection along with our summary of design positives and negatives, our clients can then make a fully informed decision on the solution that best addresses their objectives.

Thank you for your consideration of MECO Engineering. We are in Branson for the long term and are confident that our extensive design history and team centered approach is the perfect solution for this project.

Sincerely,



MECO Engineering Company, Inc.
Scott E. Vogler, P.E.
President / Project Manager

MECO Project Team**SCOTT VOGLER, PE**

Mr. Vogler is a key member of the firm's management team as President, Owner, and Principal Engineer. As Director of Engineering, he directs and oversees work produced by the Engineering Department and technical staff. Mr. Vogler is the primary project engineer for the Branson Regional Office and is actively involved in all phases of design, design/build and management aspects of federal agencies, state agencies, municipal, county, educational institutions, industrial, commercial, and residential projects. His attention to detail is exceptional. As a senior engineer, Mr. Vogler brings three decades of practical experience working with a variety of clients and with the state and federal regulatory and funding agencies. He is an expert at partnering funding programs to make projects affordable and successful for clients.

Mr. Vogler will be the Project Manager for this work.

MAX MIDDENDORF, PE

Mr. Middendorf is a Vice President/Principal Engineer-Owner of MECO Engineering, engaged in the daily management and operations of the firm. He is also Assistant Director of Engineering, working directly with the professional engineering staff in the Springfield and Pittsfield offices. In this capacity, he oversees work in progress and signs off on the plans and specifications of projects prepared by design professionals assigned as Project Managers for a variety of projects. In this capacity, he is a valuable member of the QC/QA team. As manager of MECO's Illinois Regional Branch offices located in Pittsfield and Springfield, IL he is charged with a wide range of responsibilities including business development, project management; design, construction engineering and client coordination.

Throughout his tenure with the firm, Mr. Middendorf has been instrumental in the development and integration of software solutions to perform computations and modeling platforms specifically for MECO-specific engineering applications. These include water system modeling calculations and hydraulic testing on water distribution and treatment systems of all sizes. As flow-monitoring coordinator, Mr. Middendorf has developed revolutionary methods to monitor and model field flow distribution data.

Mr. Middendorf excels as coordinating funding and regulatory agencies to ensure progress of projects through approval and funding stages and to maximize grant and loan dollars that are available to his client's projects. His expertise in this field has resulted in the ARRA financing of multi-million dollar projects for the cities of Pittsfield and Barry, IL.

Mr. Middendorf will participate in the QA/QC review of the project.

JANE RUSHFORD, CFM

Ms. Rushford provides expert assistance to the engineering staff and technicians. Mrs. Rushford has an extensive background in hydrologic

and hydraulic calculations, FEMA map revisions, storm sewer design, earthwork computations and site design and is called upon to perform hydraulic calculations for bridge, storm water, and road design projects. Mrs. Rushford is a Certified Floodplain Manager (CFM) and is experienced in state and federal requirements regarding floodplains/floodways and wetlands. She is the Area 2 Director for the Missouri Floodplain and Stormwater Managers Association (MFSMA).

Mrs. Rushford has prepared numerous funding applications for our clients and is routinely called upon by project managers to make applications for project permits through various state, federal and local agencies, including EPA, Missouri Department of Natural Resources (drinking water/clean water), IEPA, MoDOT, IDOT, and the U.S. Army Corps of Engineers.

Mrs. Rushford will participate in the environmental and erosion control of the project.

ALEX DUNKER, EI

Mr. Dunker brings a broad skill set to his position as a civil engineer for MECO Engineering Company. His educational background is extensive, giving him the expertise needed to analyze engineering tasks and provide timely and accurate solutions to the client. Communicating with clientele and gaining their input on the task-at-hand is important to Mr. Dunker.

Along with his diverse engineering education, Mr. Dunker brings an important background in construction to the firm. His practical knowledge of residential and industrial construction practices is a valued asset in preparing construction documents as well as ensuring projects are built according to plan. As a recent graduate of an ABET accredited university, Mr. Dunker has extensive knowledge on the latest technical innovations and design criteria in the industry (WaterCAD).

Mr. Dunker's experience is focused on drinking water treatment design, distribution system design, and hydraulic analysis. While this is his specialty area, he possesses a diverse knowledge of other civil engineering practices including: hydrologic analysis, wastewater systems, structural analysis, sidewalk and enhancement design, grant writing and funding application processes.

In his time at MECO, Mr. Dunker has performed many different job duties, making him a valuable consultant, with a wide breadth of experience. He has been involved in every aspect of a project from funding, to reports, design and construction.

Mr. Dunker will be performing all the hydraulic analysis and reports for the DNR submittal's.

CLIFFORD HUDDLESTON, SENIOR DESIGNER

Mr. Huddleston is a highly regarded and talented designer and project

manager. A valuable member of the firm, he brings over four decades of talent, experience, and innovative design concepts to our projects. As Technical Manager, he is responsible for managing work production and scheduling of tasks for the AutoCAD technicians and construction inspectors.

Mr. Huddleston's work experience encompasses architectural design, and civil/heavy civil engineering and design for public works, commercial and industrial projects, site development/site grading plans, utility extensions, parking lots, roadways, sidewalks and trails, recreational facilities (parks/pools), new buildings (fire stations, office/maintenance building complexes), rehabilitation of existing structures, water and sewer pipelines, water and wastewater treatment plants, industrial/manufacturing plant expansions and new facilities, including warehouses, process equipment, conveyor auger handling equipment.

Mr. Huddleston will oversee all the AutoCADD work on the project.

JARED STEWART, TECHNICIAN III

Mr. Stewart is proficient in the use of advanced CADD and various computer programs, including Google Sketch-up for 3D modeling applications, AutoCADD Civil 3D and Microsoft Office.

CADD - His drafting responsibilities include water system mapping, bridges; water distribution, storage and treatment facilities; sewage collection, pumping and treatment facilities; stormwater collection and detention facilities; building design, roadways, streets and trail design.

Mr. Stewart is often called upon when additional survey crew personnel are required and to provide field inspections on a variety of projects. Mr. Stewart has provided inspection services for sewage collection and water distribution systems and a project to construct a new office and maintenance building for a rural water district.

Mr. Stewart will perform all the AutoCADD work on the project.

ROLAN NORSWORTHY, PLS

Mr. Norsworthy comes to MECO with years of experience as a Professional Land Surveyor. Mr. Norsworthy will be performing all land surveying needs for this project.

REFERENCES

CITY OF BRANSON, MO
Stormwater Coordinator
110 West Maddux
Branson, MO 65616
Kirby Dieterman
P: 417-243-2728

CITY OF BOONVILLE, MO
City Engineer
401 Main St.
Boonville, MO 65233
ML Cauthon,
Public Works Director
P: 660-882-2332

CITY OF FAYETTE, MO
City Engineer
117 S. Main St
Fayette, MO 65248
Robin Triplett,
City Administrator
P: 660-248-5246

CITY OF HIGBEE, MO
City Engineer
404 Division St.
Higbee, MO 65257
Robert Ashworth, Mayor
P: 660-456-7414

CITY OF PILOT GROVE, MO
City Engineer
213 College Ave.
Pilot Grove, MO 65276
Dennis Knipp, Mayor
P: 660-834-3551

CITY OF WINFIELD, MO
City Engineer
51 Harry's Way
Winfield, MO 63389
Steve Williams, Mayor
P: 636-668-8100

CITY OF ASHLAND, MO
City Engineer
109 E. Broadway
Ashland, MO 65010
Lyn Woolford,
City Administrator
P: 573-657-2091

CITY OF TRUESDALE, MO
On-call Engineer
109 Pinckney St.
Truesdale, MO 63383
Mary Lou Rainwater,
City Clerk
P: 636-456-3166

CITY OF JEFFERSON, MO
Consulting Engineer
320 E. McCarty
Jefferson City, MO 65101
Public Works Dept.
Matt Morasch, PE, PW
Director
P: 573-634-6410

CITY OF STOVER, MO
Consulting Engineer
320 E. McCarty
503 West 2nd
Stover, MO 65078
Sharon Fry, City Clerk
P: 573-377-4510

CITY OF LINCOLN, MO
Consulting Engineer
122 East Main
Lincoln, MO 65338
John King, Mayor
P: 660-547-2718



MECO ENGINEERING COMPANY

Civil-Structural-Electrical-Mechanical Engineers
and Land Surveyors

2701 INDUSTRIAL DRIVE
JEFFERSON CITY, MO 65101
(573) 893-5558 FAX (573) 893-5404
mecojc@mecoengineering.com
www.mecoengineering.com

LETTER OF TRANSMITTAL

DATE	June 20, 2019	JOB NO.	051-009
ATTENTION			
David Rockhill, CPM			
RE:			
RFP 2493-25 Engineering and Design Services			

TO City of Branson
Purchasing Office
110 W Maddux Street, Suite 200
Branson, MO 65616

Under separate cover _____

WE ARE SENDING YOU

Attached

via

the following items:

Shop Drawings

Prints

Plans

Samples

Specifications

Copy of Letter

Change Order

Other

COPIES	DATE	NO.	DESCRIPTION
2	6/20/2019		SOQ in response to the above project

THESE ARE TRANSMITTED as checked below:

For approval

No exception taken

Submit _____ copies for distribution

For your use

Make correction noted

Return _____ corrected prints

As requested

Resubmit _____ copies for review

For review and comment

For Bids Due _____ 20 _____

Prints returned after loan to us

REMARKS:

Please find the attached SOQ's for the City's use. We appreciate this opportunity to present to you our qualifications. If you have any questions or would like to set up an interview to further discuss our firm's experience, please contact Scott Vogler, PE at 573-619-7378 or svogler@mecoengineering.com.

COPY TO _____
XXX:xxx

SIGNED 
Kayla Tuley, Marketing Coordinator



City of Branson – Proposal Number 2493-25

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**Chantilly Subdivision
Lincoln County, MO**

Prepare plans and specifications for a residential subdivision (215 lots, two phase subdivision) located on an 80 AC +/- tract of ground in Lincoln, MO. MECO coordinated with the Public Water Supply District #1 of Lincoln County (PWSD), and assisted with the preparation of construction permit applications for MoDNR approval of land disturbance activities, water distribution, gravity sewage collection, sewage lift stations and force mains (within the subdivision). MECO handled preparation of

grading plans, roadway designs, stormwater collection and detention plans. Preparation of a Stormwater Pollution Prevention Plan and providing responses to the PWSD and MoDNR as they relate to our design.

**Sanitary Sewer Collection System (gravity),
Wastewater Treatment Improvements
(LEMNA), Stover, MO**

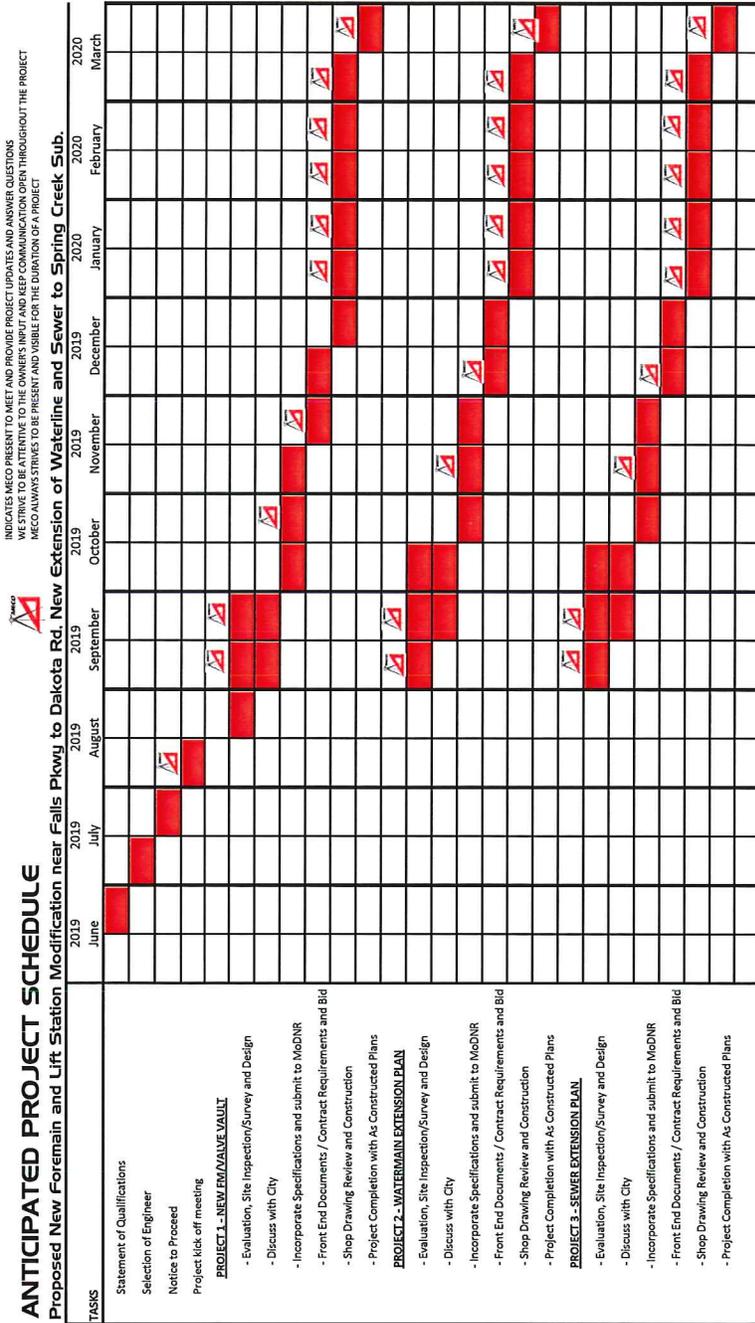
MECO was commissioned by the City of Stover to study the existing sanitary sewer collection system and wastewater treatment facilities and to prepare a Preliminary Engineering Report/Facility Plan. Extremely strict effluent limits were imposed by the Missouri Department of Natural Resources for this small rural Morgan County community of less than 1,000, due to their close proximity to a highly sensitive, classified receiving stream. MECO provided engineering design for wastewater system improvements, as presented in the Preliminary Engineering Report, (447-006). Project scope components included: abandonment of the existing aerated lagoons, consolidation of all wastewater into one treatment facility, construction of a new wastewater treatment facility, replacement of two existing lift stations with gravity sewer lines, replacement of an existing lift station with the construction of one new lift station in the northeast section of the city, extension of new gravity sewers to serve the Industrial park, and replacement of approximately 1,000 linear feet of damaged gravity sewer lines within the city to improve inflow and infiltration. Wastewater treatment components included: multi-cell LEMNA system with advanced aeration, head works building, blower building and ultraviolet disinfection system. Financing of the \$881,000 project was secured through a \$500,000 CDBG grant, a \$221,000 USDA-RD loan and a \$160,000 USDA-RD grant.

Engineers Estimate: \$1,513,021
Final Construction Cost: \$1,310,698

SCHEDULE

Our work flow diagram is included with this letter; we anticipate a fairly aggressive time-frame to complete the design portion of this project. Several factors will dictate the project completion schedule, but our firm is steadfast on keeping your projects on schedule, and budget, while keeping the line of communication open with the City.

**CITY OF BRANSON, WATER SYSTEM EXPANSION
PRESENTED BY: MECO ENGINEERING COMPANY, INC.**



We feel that our team-centered approach will allow for a continuous flow of feedback among all of the project team members including the engineering and public utilities divisions at Branson. This integrated approach allows for a free flowing exchange of design feedback that accelerates the design process and ensures that no time-robbing do-overs will set the project time-frame back. We utilize proven and technologically advanced project management systems to maintain control over project budgets and schedules. We pride ourselves in delivering projects that meet and exceed our Clients' expectations on time and on budget.

Through our years of extensive water and wastewater system design, we have learned with great reliability what the critical path elements are for projects of this scope. Having this knowledge allows us to focus project team resources at their optimum priority to make certain that the longest duration elements are always moving forward and that critical review and permitting deadlines are always met. We begin the process with a scoping meeting that will identify the project team members, assign each members role and develop the chain of command and work flow protocol to identify realistic project milestone expectations. Once information has been compiled for each design scenario, our team will formulate project budgets for each scenario and create a pros and cons evaluation. This cost and benefits assessment will allow our project team to evaluate the most favorable solution for this project. Our design team will meet with the project team to resolve the most beneficial alternative from the study and formulate a plan to implement the chosen solution. Once the preferred alternative is adopted, the next critical path items will be engaged. It is at this point that project budgets will be resolved and bid schedules established. Once the project is bid, our design team will analyze the bids, perform background checks on the low bid contractors and develop recommendations for contract awards.

Our experienced construction observers are available to assist with construction oversight if the City of Branson desires to have the additional monitoring support. Our rigorous construction specifications will provide for state of the art infrastructure that meets the most stringent construction standards.

Quality Assurance / Quality Control Procedures

Our diverse design teams relies on oversight from our senior management. The multiple layers of design and technical document production receives consistent scrutiny and is held to a thorough oversight protocol. The Quality Assurance practices employed at MECO Engineering include programmed design review meetings to monitor and document that the design process is on schedule in within the design budget. MECO integrates multiple professionals across our corporate platform to ensure your project receives thoughtful and thorough review and meets our design objectives. Our vast history of designing water and wastewater systems has shown us how to effectively and efficiently deliver these services in a manner that demonstrates all relevant design criteria have been taken into consideration. Our scheduled oversight reviews include meetings with project managers not designated for this particular project. This unbiased perspective gives this independent reviewer the freedom to look at the project documents with a clean vision and offer feedback on elements that may improve the overall design, project efficiency and budget and general build-ability of the project. MECO's quality control protocol requires that one of MECO's principals not associated with the project will perform a design checklist review to confirm each of the design elements and contract

document construction is in conformance with our and our client's current standards. Throughout the design process we actively engage our Clients so that their ideas and feedback become integral to the design development process. Our philosophy is truly team-centric. We will design the project that our Clients want; and that addresses their performance and budget objectives. We do not design projects without this vital feedback.

Under construction we will observe the DNR quality controls and testing for both water and wastewater improvements. We will submit to DNR the statement of work completed for both the water and wastewater portions of the project.

Project Specific Procedures

How the Projects are to be completed:

Project 1

The plan would continue to use the existing force main as the proposed force main is being constructed. Once the force main is installed, the valve vault will be rebuilt to accommodate the new force main. Once completed, the transmission of the wastewater will be conveyed to the new force main and the existing force main will be abandoned in place.

Projects 2 and 3

These two (2) projects are designed to bring sewer and water to the Spring Creek Subdivision neighborhood. The proposed watermain design shall have a pressure reducing valve for the purpose of looping the system. The sewer extension shall be designed as a gravity fed system to the point of connecting to the existing collection system.

Value Engineering Procedures

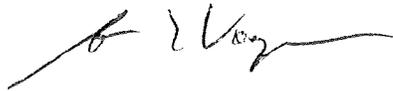
For any given project, there are multiple solutions, sometimes limitless solutions. Our focus throughout the planning and design process is to illustrate the most promising and viable of these solutions and to offer our client the vested opportunity to input their feedback and preferences into the planning process. When we evaluate solutions, we take into account intangible considerations such as speed of construction; reduction of impact to the public; minimization of safety risks for the construction teams; aesthetic and visual considerations; and public relations feedback. Our goal is to incorporate feedback from our client to identify particular concerns or considerations that may not otherwise be evident in solely evaluating design merits for a particular solution. One of the first tools that we employ in value engineering is determining not only initial cost of construction but also long term maintenance and operational costs. We also take into account residual or salvage value for a project. To help us develop an accurate and realistic operational cost projection, we evaluate efficiencies of pumping and the losses within a given system to assess the impact to the monthly power costs to move water from point A to point B. We also evaluate system

maintenance exposure. Typically the greater number of moving parts, the higher the long term maintenance exposure. We evaluate this exposure and determine if an alternative and more cost effective solution is available and build-able.

We will summarize our findings into a value engineering analysis that shows initial construction costs annualized based on an assumed standard debt service; annualized operation and maintenance costs; we will also factor in short-lived assets that are essential for the project. By comparing the summary of each alternative's costs, we will present a thorough and concise projection that gives the client a clear understanding of the big picture project costs. Having this life cycle cost projection along with our summary of design positives and negatives, our clients can then make a fully informed decision on the solution that best addresses their objectives.

Thank you for your consideration of MECO Engineering. We are in Branson for the long term and are confident that our extensive design history and team centered approach is the perfect solution for this project.

Sincerely,



MECO Engineering Company, Inc.
Scott E. Vogler, P.E.
President / Project Manager

MECO Project Team**SCOTT VOGLER, PE**

Mr. Vogler is a key member of the firm's management team as President, Owner, and Principal Engineer. As Director of Engineering, he directs and oversees work produced by the Engineering Department and technical staff. Mr. Vogler is the primary project engineer for the Branson Regional Office and is actively involved in all phases of design, design/build and management aspects of federal agencies, state agencies, municipal, county, educational institutions, industrial, commercial, and residential projects. His attention to detail is exceptional. As a senior engineer, Mr. Vogler brings three decades of practical experience working with a variety of clients and with the state and federal regulatory and funding agencies. He is an expert at partnering funding programs to make projects affordable and successful for clients.

Mr. Vogler will be the Project Manager for this work.

MAX MIDDENDORF, PE

Mr. Middendorf is a Vice President/Principal Engineer-Owner of MECO Engineering, engaged in the daily management and operations of the firm. He is also Assistant Director of Engineering, working directly with the professional engineering staff in the Springfield and Pittsfield offices. In this capacity, he oversees work in progress and signs off on the plans and specifications of projects prepared by design professionals assigned as Project Managers for a variety of projects. In this capacity, he is a valuable member of the QC/QA team. As manager of MECO's Illinois Regional Branch offices located in Pittsfield and Springfield, IL he is charged with a wide range of responsibilities including business development, project management; design, construction engineering and client coordination.

Throughout his tenure with the firm, Mr. Middendorf has been instrumental in the development and integration of software solutions to perform computations and modeling platforms specifically for MECO-specific engineering applications. These include water system modeling calculations and hydraulic testing on water distribution and treatment systems of all sizes. As flow-monitoring coordinator, Mr. Middendorf has developed revolutionary methods to monitor and model field flow distribution data.

Mr. Middendorf excels as coordinating funding and regulatory agencies to ensure progress of projects through approval and funding stages and to maximize grant and loan dollars that are available to his client's projects. His expertise in this field has resulted in the ARRA financing of multi-million dollar projects for the cities of Pittsfield and Barry, IL.

Mr. Middendorf will participate in the QA/QC review of the project.

JANE RUSHFORD, CFM

Ms. Rushford provides expert assistance to the engineering staff and technicians. Mrs. Rushford has an extensive background in hydrologic

and hydraulic calculations, FEMA map revisions, storm sewer design, earthwork computations and site design and is called upon to perform hydraulic calculations for bridge, storm water, and road design projects. Mrs. Rushford is a Certified Floodplain Manager (CFM) and is experienced in state and federal requirements regarding floodplains/floodways and wetlands. She is the Area 2 Director for the Missouri Floodplain and Stormwater Managers Association (MFSMA).

Mrs. Rushford has prepared numerous funding applications for our clients and is routinely called upon by project managers to make applications for project permits through various state, federal and local agencies, including EPA, Missouri Department of Natural Resources (drinking water/clean water), IEPA, MoDOT, IDOT, and the U.S. Army Corps of Engineers.

Mrs. Rushford will participate in the environmental and erosion control of the project.

ALEX DUNKER, EI

Mr. Dunker brings a broad skill set to his position as a civil engineer for MECO Engineering Company. His educational background is extensive, giving him the expertise needed to analyze engineering tasks and provide timely and accurate solutions to the client. Communicating with clientele and gaining their input on the task-at-hand is important to Mr. Dunker.

Along with his diverse engineering education, Mr. Dunker brings an important background in construction to the firm. His practical knowledge of residential and industrial construction practices is a valued asset in preparing construction documents as well as ensuring projects are built according to plan. As a recent graduate of an ABET accredited university, Mr. Dunker has extensive knowledge on the latest technical innovations and design criteria in the industry (WaterCAD).

Mr. Dunker's experience is focused on drinking water treatment design, distribution system design, and hydraulic analysis. While this is his specialty area, he possesses a diverse knowledge of other civil engineering practices including: hydrologic analysis, wastewater systems, structural analysis, sidewalk and enhancement design, grant writing and funding application processes.

In his time at MECO, Mr. Dunker has performed many different job duties, making him a valuable consultant, with a wide breadth of experience. He has been involved in every aspect of a project from funding, to reports, design and construction.

Mr. Dunker will be performing all the hydraulic analysis and reports for the DNR submittal's.

CLIFFORD HUDDLESTON, SENIOR DESIGNER

Mr. Huddleston is a highly regarded and talented designer and project

manager. A valuable member of the firm, he brings over four decades of talent, experience, and innovative design concepts to our projects. As Technical Manager, he is responsible for managing work production and scheduling of tasks for the AutoCAD technicians and construction inspectors.

Mr. Huddleston's work experience encompasses architectural design, and civil/heavy civil engineering and design for public works, commercial and industrial projects, site development/site grading plans, utility extensions, parking lots, roadways, sidewalks and trails, recreational facilities (parks/pools), new buildings (fire stations, office/maintenance building complexes), rehabilitation of existing structures, water and sewer pipelines, water and wastewater treatment plants, industrial/manufacturing plant expansions and new facilities, including warehouses, process equipment, conveyor auger handling equipment.

Mr. Huddleston will oversee all the AutoCADD work on the project.

JARED STEWART, TECHNICIAN III

Mr. Stewart is proficient in the use of advanced CADD and various computer programs, including Google Sketch-up for 3D modeling applications, AutoCADD Civil 3D and Microsoft Office.

CADD - His drafting responsibilities include water system mapping, bridges; water distribution, storage and treatment facilities; sewage collection, pumping and treatment facilities; stormwater collection and detention facilities; building design, roadways, streets and trail design.

Mr. Stewart is often called upon when additional survey crew personnel are required and to provide field inspections on a variety of projects. Mr. Stewart has provided inspection services for sewage collection and water distribution systems and a project to construct a new office and maintenance building for a rural water district.

Mr. Stewart will perform all the AutoCADD work on the project.

ROLAN NORSWORTHY, PLS

Mr. Norsworthy comes to MECO with years of experience as a Professional Land Surveyor. Mr. Norsworthy will be performing all land surveying needs for this project.

REFERENCES

CITY OF BRANSON, MO
Stormwater Coordinator
110 West Maddux
Branson, MO 65616
Kirby Dieterman
P: 417-243-2728

CITY OF BOONVILLE, MO
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Boonville, MO 65233
ML Cauthon,
Public Works Director
P: 660-882-2332

CITY OF FAYETTE, MO
City Engineer
117 S. Main St
Fayette, MO 65248
Robin Triplett,
City Administrator
P: 660-248-5246

CITY OF HIGBEE, MO
City Engineer
404 Division St.
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Robert Ashworth, Mayor
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CITY OF PILOT GROVE, MO
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CITY OF WINFIELD, MO
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Lyn Woolford,
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John King, Mayor
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