



MACON
MUNICIPAL
UTILITIES

Bid Packet
Extension of Wastewater
Collection Main on Duff
Street, Macon, MO 63552
Bids Due: 5/16/24
by 1:00 PM CST

Macon Municipal Utilities is requesting bids to extend a gravity wastewater collection main located in the 400 block of Duff Street in Macon, Missouri. Bids are to be delivered to the MMU Business Office at 106 W. Bourke Street, Macon, MO 63552 by **1:00 pm on Thursday, May 16, 2024**. Successful bidder must purchase a City Business License. This License may be obtained from the office of the City Collector located at 106 W. Bourke Street, Macon, MO. 63552. The fee is \$50.00.

Successful bidder is requested to carry insurance coverage for the duration of the project in the following amounts. Lower coverage may be accepted.

- **\$1,000,000 Liability**
- **\$2,000,000 Aggregate**
- **\$5,000 Medical**
- **Workers' Compensation**

The successful bidder will be required to provide a certificate of insurance listing Macon Municipal Utilities as additional insured and sign a hold-harmless agreement. Successful bidder shall require the same of all subcontractors. Each bidder must inform himself fully of the conditions relating to the composition of the project and the employment of labor thereon. Failure to do so will not relieve the successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of this project.

Submission of bid confirms bidder agrees that they understand, and agree to abide by all terms and conditions, responsibilities, and specifications of the project. The bidder will be presumed to have inspected the site and to be thoroughly familiar with the project requirements. The failure or omission to do so shall in no way relieve any bidder from any obligation in respect to his bid.

Bidders are informed that pursuant to Section 285.530, RSMo, as a condition of the award of any contract in excess of five thousand dollars (\$5,000), the Bidder shall, by sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection to the contracted services. Bidder shall also sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services.

This project may be subject to **prevailing wage** rates under the State of Missouri Annual Wage Order No. 31 for Macon County. No work is to commence until the Contractor has completed the required paperwork with Macon Municipal Utilities. All work must be completed between **June 1, 2024 and September 30, 2024**. The contractor shall pay liquidated damages to Macon Municipal Utilities of \$400 per day, or portion of day, for each consecutive calendar day thereafter.

Once work has commenced, the work shall be continuous and completed within 60 days. The contractor shall not remove their personnel and/or equipment until the work has been completed and approved by MMU personnel.

The bidder's attention is directed to the fact that all applicable State Laws, Municipal Ordinances, and the rules and regulations of all authorities having jurisdiction over composition of the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full.

Macon Municipal Utilities shall be the final judge of the quality and suitability of the work, materials, and methods of construction for the purposes for which they are used. Should they fail to meet approval they shall be reconstructed forthwith, made good, replaced, and or corrected by the contractor at his own expense. Rejected materials shall be removed immediately from the site.

Macon Municipal Utilities reserves the right to reject any or all bids.

PROJECT SPECIFICATIONS

This project includes the extension of a wastewater collection main located in the 400 block of Duff Street between Washington Street and Sheridan Street in Macon, Missouri. The work includes the construction of approximately 240 L.F. of an 8" sanitary sewer main with necessary appurtenances. The project consists of installing approximately 240 linear feet of 8" PVC sewer main with trace wire, 2- 48" manholes, connecting to the existing 8" VCP sanitary sewer main and site restoration. The Contractor during the job is responsible for ordering and purchasing all materials. Questions can be directed to Mike Llewellyn at (660) 651-4784 or mlllewellyn@maconutilities.com.

Wastewater improvements shall adhere to MoDNR *PUB2754* Wastewater Guidelines and Standards Document and 10 CSR 20-8 Minimum Design Standards.

Manhole Specifications

Manholes: Pre-cast concrete manholes: In accordance with ASTM C478 with provisions for gasketed joints between barrel and conical sections. Base Section: 6-inch minimum floor thickness with 5-inch minimum thickness for wall and base riser. Riser Sections: 5-inch minimum thickness and 48-inch inside diameter with lengths to provide depth/elevations indicated. Top Section: Concentric cone type; top of cone shall match grade ring size.

Grade Rings: Pre-cast concrete, Cretex Pro Ring, or approved equal and compatible with 24-inch manhole frames and covers. The maximum thickness for grade rings and frame shall be 18 inches.

Frames and Covers: In accordance with either ASTM A48 - Standard Specification for Gray Iron Castings or ASTM A536 Standard Specification for Ductile Castings manufactured by Neenah Foundry Company or approved equal with machined bearing surface and self-sealing gasket. Frames shall be secured to the manhole with at least four connections. Connections may be wedge anchor or grout type with at least 1/2-inch x 4-inch bolts. 22-inch minimum inside diameter, 7-inch to 9-inch riser with 4-inch minimum flange width. 24-inch diameter cover checkered or knobbed surface finish with "SANITARY SEWER" cast into cover. The frame shall be compatible with chimney seal installations. Covers shall have concealed pick holes.

Chimney Seals: An external or internal chimney seal shall be installed between the manhole frame and masonry chimney in accordance with the manufacturer's instructions. External or Internal Chimney seals shall be manufactured by Cretex or approved equal.

External Joint Seals: An external joint seal shall be on each section joint of the manholes in accordance with the manufacturer's instructions. The external joint seal shall meet the requirements of ASTM C-877, type II. External joint seals shall be Cretex Wrap External Manhole Joint Seals or approved equal.

Protective Coatings: All exterior manhole surfaces shall have a waterproof protective coating either factory or field applied. 1 or 2 coat asphalt waterproofing conforming to ASTM D449, Type C, 15-mil thickness unless otherwise specified.

Pipe Connections: In accordance with ASTM C923, resilient, of size required for each pipe connecting to manhole. Pipe connections shall be A-Loc, Z-Loc, or approved equal.

Shear Guard: Shear Guard coupling supports are produced from rigid PVC compounds with a minimum cell class 12454 as stated in ASTM D 1784. Flexible Transition Couplings Shall be manufactured from elastomeric materials that comply with the applicable requirements of ASTM C 1173. The purpose of the Shear Guard kits is to provide unshielded flexible transition couplings protection from shear failure and piping offsets. The Shear Guard couplings provide improved pipe alignment. Manufactured by Indiana Seal or approved equal.

**Extension of Wastewater Collection Main
400 Block of Duff Street
Macon, MO 63552**

All bidders must fill out this bid tab

Item	Description	Units	Est Qty	Unit Price	Total
1	8" SDR 35 PVC Pipe, Installed Complete	LF	240		
2	48" Diameter Sanitary Sewer Manhole, Installed Complete (Depths approximately 5' and 8')	EA	2		
3	#12 AWG Solid Core Copper Tracer Wire	LF	260		
4	8" Clay x 8" PVC Coupling with Shear Guard	EA	1		
5	Site Restoration (Including: Grass Seed, Mulch & Concrete)	LS	1		
				TOTAL	

The contractor shall, before any work is accepted by Macon Municipal Utilities, remove from the job site all litter and trash of any kind, and shall leave the area in good condition and ready for its use.

Contractor: _____

Address: _____

Phone Number: _____

Email Address: _____