



RFP Packet
Slip Lining 72" Repair
Proposals Due:
Monday August 26, 2024
by 1:00 PM CST

Macon Municipal Utilities is requesting proposals to perform slip lining of approximately 40-feet of 72-inch brick sewer. The repair site is located on the East side of Southeastern Drive. Sealed Proposals are to be delivered to the MMU Business Office at 106 W. Bourke Street, Macon, MO 63552. All Proposals must be received by **1:00 pm on Monday, August 26, 2024.** Successful proposer 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 contractor is requested to carry insurance coverage for the duration of the project in the following amounts. Lower coverages may be accepted.

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

The successful proposer will be required to provide a certificate of insurance listing Macon Municipal Utilities as additional insured, and sign a hold-harmless agreement. Successful proposer shall require same of all subcontractors. Each contractor 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 contractor of his obligation to furnish all material and labor necessary to carry out the provisions of this project.

Submission of proposal confirms contractor agrees that they understand, and agree to abide by all terms and conditions, responsibilities and specifications of the project. Contractor 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 contractor from any obligation in respect to his proposal.

Proposers 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 Contractor 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. Contractor shall also sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection to the contracted services.

This project is not expected to be subject to prevailing wage rates under the State of Missouri. No work is to commence until the Contractor has completed the required paperwork with Macon Municipal Utilities. All work must be completed between September 1, 2024 and November 1, 2024. The contractor shall pay liquidated damages to Macon Municipal Utilities of \$100 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 Proposer'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 proposals.

PROJECT SPECIFICATIONS

Macon Municipal Utilities is accepting proposals to slip line approximately 40 feet of 72-inch brick sewer main, current opening is approximately 22-feet long. The intent of the project is to have new 60-inch storm pipe slip lined from the manhole upstream of the failure point to 10 feet downstream of the failure point on the 72-inch brick sewer main. The project consists of removing existing brick to the midpoint for the length required to insert 60-inch storm pipe, filling annular space upstream between slip lined pipe and failure point and 5-feet downstream from failure point with 100 psi flowable fill mortar. In the bottom 1/3 of the pipe, install a concrete invert ramp at the upstream face of the slip lined pipe using 3000 psi concrete. If any new pipe joints are exposed within the removed brick sewer area, install a pipe collar utilizing 3000 psi concrete 2-feet wide and 6-inches deep centered over the joint for the entire exposed area. Cover exposed pipe with 6-inch rock to a grade that matches existing soil surface grade. Contractor shall verify that the inside diameter of the 72-inch brick is larger than 67.1-inches prior to ordering and purchasing the 60-inch storm pipe for the repair. Questions can be directed to Mike Llewellyn at (660) 651-4784 or mllewellyn@maconutilities.com.

The proposed slip line pipe shall be impact-modified copolymer polypropylene compound meeting the material requirements of ASTM F2881, section 5 and AASHTO M330, section 6.1. Pipe shall have a smooth interior surface and annular exterior corrugations. Joints shall be bell and spigot meeting the requirements of ASTM F2881 or AASHTO M330/ Gaskets shall meet the requirements of ASTM F477 and be watertight according to the requirements of ASTM D3212.

Note: The intent is to reuse the 60-inch storm pipe and 6-inch rock on future storm and sanitary sewer improvements, contractor shall take care during construction to minimize any damage to the slip line pipe

<u>Item #</u>	<u>Description</u>	<u>Units</u>	<u>Est. Qty</u>	<u>Unit price</u>	<u>Total</u>
1	60" bell and spigot HP storm pipe, installed complete, including mortar and cement	LF	40		
2	Quarry Run (Rip Rap) 6-12" ditch liner	Ton	60		
	Total Repair				

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.

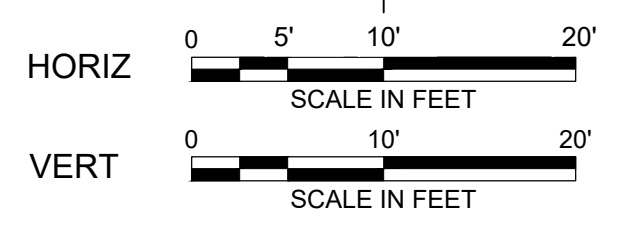
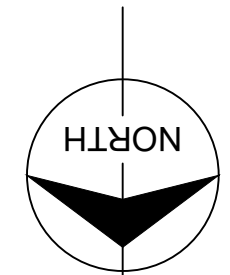
Contractor: _____

Address: _____

Phone Number: _____

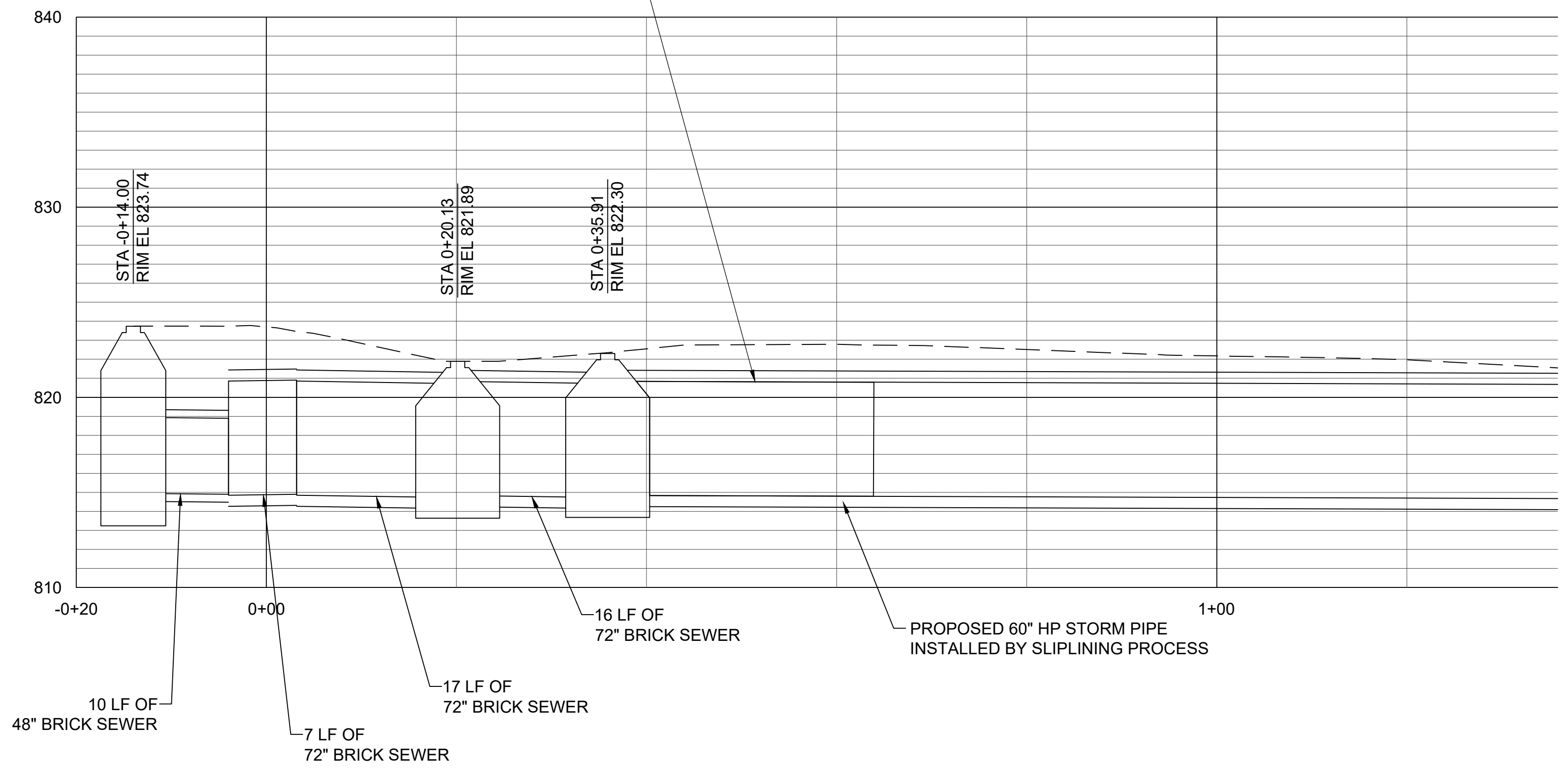
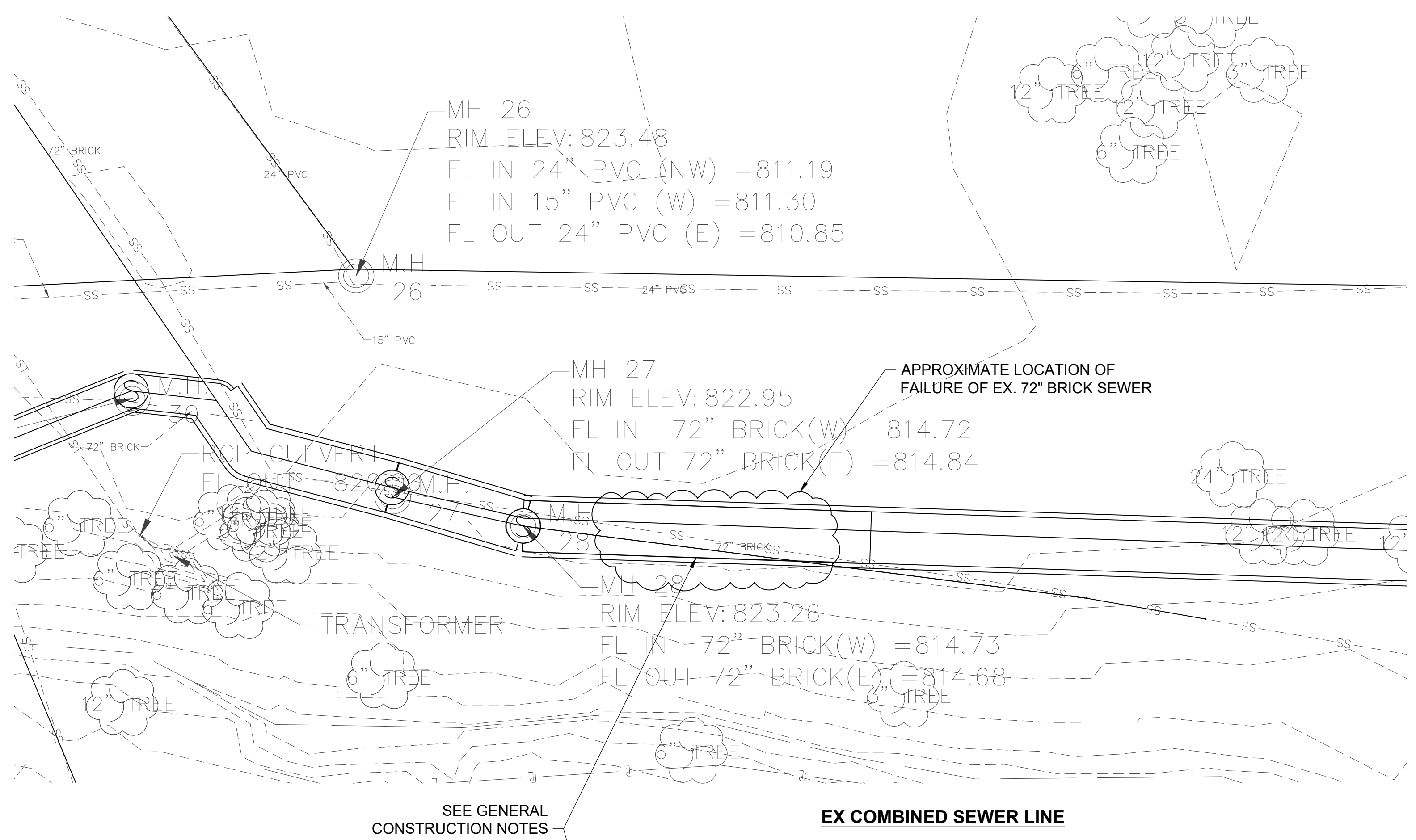
Email Address: _____

no.	date	by	ckd	description
A	7/19/24	SSL	LRM	ISSUED FOR 90% DESIGN REVIEW



GENERAL CONSTRUCTION NOTES:

1. PROPOSED SLIPLINE PIPE SHALL BE IMPACT MODIFIED COPOLYMER POLYPROPYLENE COMPOUND MEETING THE MATERIAL REQUIREMENTS OF ASTM F2881, SECTION 5 AND AASHTO M330, SECTION 6.1. PIPE SHALL HAVE A SMOOTH INTERIOR SURFACE AND ANNULAR EXTERIOR CORRUGATIONS. JOINTS SHALL BE BELL & SPIGOT MEETING THE REQUIREMENTS OF ASTM F2881 OR AASHTO M330. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477 AND BE WATERTIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212.
2. CONTRACTOR SHALL VERIFY THAT THE INSIDE DIAMETER OF THE EXISTING 72" BRICK SEWER IS LARGER THAN 67.1" PRIOR TO ORDERING AND PURCHASING THE 60" HP STORM PIPE FOR THE SLIPLINE REPAIR. NOTIFY ENGINEER IF THE EXISTING DIAMETER IS LESS THAN 67.1".
3. REMOVE EXISTING BRICK SEWER TO MIDPOINT FOR LENGTH REQUIRED TO INSERT PROPOSED 60" STORM PIPE. INTENT OF THE PROJECT IS TO HAVE NEW 60" STORM PIPE SLIPLINED FROM UPSTREAM MANHOLE 28 TO 10' DOWNSTREAM OF THE FAILURE POINT OF THE 72" BRICK SEWER. CONTRACTOR WILL HAVE TO INSERT 60" PIPE INTO DOWNSTREAM SECTION, THEN PUSH/PULL PIPE UPSTREAM TO MANHOLE 28.
4. FILL UPSTREAM ANNULAR SPACE IN SLIPLINED PIPE FROM MANHOLE 28 TO FAILURE POINT WITH 100 PSI FLOWABLE FILL MORTAR. FILL DOWNSTREAM ANNULAR SPACE FOR LENGTH OF 5' DOWNSTREAM OF BRICK SEWER FAILURE POINT. INSTALL CONCRETE INVERT RAMP AT MANHOLE 28 IN BOTTOM 1/3 OF PIPE TO SMOOTH HYDRAULIC JUMP AND HELP PREVENT RAGGING AT FACE OF NEW SLIPLINED PIPE. USE 3000 PSI CONCRETE FOR RAMP.
5. IF ANY NEW PIPE JOINTS ARE EXPOSED WITHIN THE REMOVED BRICK SEWER AREA, INSTALL A PIPE COLLAR UTILIZING 3000 PSI CONCRETE 2' WIDE X 6" DEEP CENTERED OVER THE JOINT FOR THE ENTIRE EXPOSED AREA.
6. COVER ANY EXPOSED PIPE WITH 6" ROCK TO A DEPTH THAT MATCHES THE EXISTING SOIL SURFACE EXISTING GRADE.
7. CONTRACTOR SHALL NOTE THAT IT IS INTENDED TO REUSE THE 60" HP STORM PIPE AND 6" ROCK ON FUTURE STORM AND SANITARY SEWER IMPROVEMENTS. CONTRACTOR SHALL TAKE CARE DURING CONSTRUCTION TO MINIMIZE ANY DAMAGE TO THE SLIPLINE PIPING.



PRELIMINARY - NOT FOR CONSTRUCTION



9400 WARD PARKWAY
KANSAS CITY, MO 64114
816-333-9400
Burns & McDonnell Engineering Co, Inc.
LICENSEE NO. 000165

date	detailed
FEBRUARY 19, 2024	M. ELENGBAWY
designed	checked
S. LAHODNY	-



MACON MUNICIPAL UTILITIES

MACON COUNTY, MISSOURI

MACON SEWER SEPARATION (PHASE 1)
EX COMBINED SEWER PLAN AND PROFILE

project	contract
158410	
drawing	rev.
C601	#
sheet	of sheets
file 158410_72INCH-COMBINED SEWER REPAIR	

