

January 2, 2025

James A. Gallup, City Manager, and City Council of Jefferson City  
112 City Center Drive  
Jefferson City, TN 37760

Re: Proposal for Site Survey Services  
TDEC ARP SWIG Wastewater System Improvements

Mr. Gallup and City Council:

During the initial application for ARPA funding, the proposed sewer line replacement project was laid out in a preliminary nature based on the existing sewer lines, existing easements and deeds, and recommended improvements investigated in previous projects. Now that the project has moved forward into a detailed design phase, a more detailed site survey is required. The surveying work described herein is 100% reimbursable under the ARP SWIG funding.

### **Gravity Sewer Site Survey**

See the figure on the following page for a visual of the project areas.

#### **Full Topographic Survey (Green)**

A full site and topographic survey is called for in the area highlighted in green. The gravity sewer in this area is proposed to be rerouted. Additionally, this section includes the installation of a casing pipe by bore underneath an existing quarry access road. This bore is required because of the elevation of the quarry access road above the surrounding topography. Given the scope of work in this area, greater accuracy of topography is desired compared to other areas of the project. The survey will also capture property lines, utilities, and surface features.

#### **Site Survey without Topo (Orange)**

A basic site survey without topography is called for in the area outlined in orange. This area includes the rerouting of gravity and numerous surface features which must be avoided; therefore a site survey is required. However, there are no specific topographic challenges in this area, therefore a full topographic survey is not recommended. TN State LiDAR will be used to produce topography in the area. The site survey will capture property lines, utilities, and surface features.

#### **Sewer Alignment Survey (Yellow)**

The remaining project area runs along the existing sewer line shown in yellow. Along this alignment, sewer is not expected to be rerouted significantly from its existing course and there are no major surface features present. Survey along the alignment will include location, elevation, and inverts of manholes along with the location of property lines, surface features, and other utilities. TN State LiDAR will be used to produce topography.

## PROPOSED SITE SURVEY



This surveying proposal represents the entire understanding between McGill Associates and the City of Jefferson City with respect to site survey services for this project and may only be modified in writing, signed by both parties. Additional approval will be sought should any other related services be required or requested by changing site, regulatory conditions, or client needs. If you find this scope and fee acceptable, please indicate acceptance by signing the following page and returning one copy for our files.

Thank you for this opportunity to serve you on this important project. If you have any questions, please do not hesitate to call.

Sincerely,  
McGILL ASSOCIATES, P.A.



Jamie Carden, PE Principal

#### SCOPE OF SERVICES – SUMMARY

**PROJECT:** Site Survey Services for  
TDEC ARP SWIG Wastewater System Improvements

**LOCATION:** Hicks Road, Fate Rankin Road, & Highway 11E,  
Jefferson City, TN

#### TOTAL FOR PROFESSIONAL SERVICES

Site Survey **\$ 17,000**

*Note 1: These surveying fees are 100% reimbursable with the current ARP SWIG funds.*

#### **ACCEPTED**

CITY OF JEFFERSON CITY

McGILL ASSOCIATES, P.A.

BY: \_\_\_\_\_  
(Signature)

BY: \_\_\_\_\_

Jamie Carden, PE  
Principal

\_\_\_\_\_  
(Print Name/Title)

Date: \_\_\_\_\_

Date: 01/02/2025