

***CORRECTIVE ACTION  
(QUARTERLY PROGRESS REPORT)***

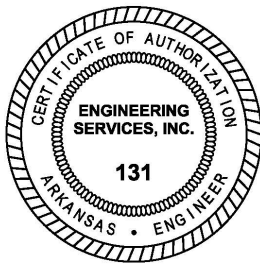
***FOR***

***SANITARY SEWER COLLECTION  
SYSTEM***

***TO SERVE THE***

***CITY OF YELLVILLE  
MARION COUNTY, ARKANSAS***

***JUNE 2021***



**15 June 2021**



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***JUNE 2021***

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# 1. GENERAL OVERVIEW

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## INTRODUCTION

In February of 2019, Engineering Services, Inc. prepared a Corrective Action Plan (CAP) on behalf of The City of Yellville. The purpose of the CAP was to create a plan for evaluating the sanitary sewer system with the ultimate goal of the evaluation being recommendations for improvements to the existing sanitary sewer collection system to mitigate system defects that result in sanitary sewer overflows (SSOs). The CAP was prepared at the request of the Water Division Enforcement Branch of the Arkansas Department of Environmental Quality (ADEQ). This request was made by ADEQ due to a series of SSOs as documented in its letter dated January 23, 2019. A copy of this letter was previously included under Appendix A of the CAP.

The CAP provided an assessment of the likely causes of the effluent violations, set out detailed corrective actions for the City to perform in order to evaluate the sanitary sewer collection system, and established a milestone schedule for the evaluation of the system with a reasonable expected date of final compliance.

This Quarterly Report serves to provide ADEQ with an update regarding progress made toward the goals set out in the CAP.

Since the last quarterly report, the scope of the project has changed to include more rehabilitation work to the collection system as well as improvements to the existing wastewater treatment plant.

The original scope proposed digging up and replacing twenty-two manholes and approximately 4,160 linear feet of damaged pipe. This scope separated the project into two separate phases, with the first phase replacing nine manholes and approximately 1,400 feet of 8" gravity sewer main with 8" PVC, and the second phase replacing thirteen manholes and the remaining 2,760 feet of damaged sewer main with 8", 12", and 18" PVC sewer main. The updated project scope consists of the replacement of sixty manholes and a total of approximately 12,430 linear feet of existing gravity sewer main. Approximately 1,400 linear feet of damaged 6" sewer main will be replaced with 18" PVC sewer main, and approximately 5,830 linear feet with 8" PVC sewer main. Additionally, approximately 700 linear feet of the existing 8" sewer main will be replaced with 12" PVC sewer main, and approximately 4,500 linear feet with 8" PVC sewer main.

The updated scope also includes improvements to the city's existing wastewater treatment plant. These improvements would consist of installing a supplemental post-aeration basin, replacing the

existing U.V. disinfection units, constructing a grit chamber, and installing a sludge processing facility.

Funding from the Community Development Block Grant (CDBG) through the Arkansas Economic Development Commission (AEDC) was pursued for the original scope of the project. Due to the expansion of the original scope, additional funds will be pursued through the United States Department of Agriculture (USDA). However, in an effort to provide the City of Yellville with a reliable sewer collection system as soon as possible, if funds from AEDC CDBG are secured for 2021, steps for construction of the original scope will be pursued while awaiting funds from USDA for the rest of the updated project scope.

## 2. MILESTONE SCHEDULE

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### RECOMMENDED SCHEDULE

The original milestone schedule as set out in the CAP is shown in the following table.

**Table 2.1**  
**Original Milestone Schedule**

<b>Task</b>	<b>Target Completion Date</b>
Visual Inspection of Manholes in Select Locations	March 2019
Smoke Testing	June 2019
Closed Circuit Televising	August 2019
Develop Mitigation Plan	October 2019
Prepare/Submit Preliminary Engineering Report to WWAC	November 2019
Prepare/Submit Environmental Report	January 2020
Prepare/Submit Funding Application	January 2020
Prepare/Submit Draft Plans and Specifications	February 2020
Prepare/Submit Final Plans and Specifications	March 2020
Advertise for Bids	April 2020
Open Bids	May 2020
Award Contract	June 2020
Start of Construction	June 2020
End of Construction	March 2021

Due to the expansion of the original project scope to include more rehabilitation work to the collection system and improvements to the existing wastewater treatment plant, the revised Project Schedule detailed in Table 2.2 is proposed.

However, as mentioned previously, if the AEDC CDBG funds of \$250,000 are secured for 2021, steps to construct the original scope of the project will be pursued, moving the proposed schedule forward for the rehabilitation and replacement of the manholes and sewer gravity mains included in the original scope of the project.

**Table 2.2**  
**Revised Proposed Milestone Schedule**

<b>Task</b>	<b>Target Completion Date</b>
Visual Inspection of Manholes in Select Locations	Complete
Smoke Testing	Complete
Closed Circuit Televising	Complete
Develop Mitigation Plan	Complete
Prepare/Submit Preliminary Engineering Report to WWAC	Complete
Prepare/Submit AEDC (CDBG) Funding Application	Complete
Submit Larger Scope of Project to WWAC	Complete
Prepare/Submit Environmental Report	September 2021
Prepare/Submit Federal Funding Application	September 2021
Prepare/Submit Draft Plans and Specifications	August 2022
Prepare/Submit Final Plans and Specifications	October 2022
Advertise for Bids	December 2022
Open Bids	February 2023
Award Contract	April 2023
Start of Construction	May 2023
End of Construction	May 2024

**PROGRESS REPORT SCHEDULE**

The quarterly progress reports have been submitted to ADEQ in accordance with the schedule set forth below.

**Table 2.3**  
**Progress Report Schedule**

<b>Quarterly Report</b>	<b>Submittal Date</b>
1 <sup>st</sup> Quarter	December 15, 2019
2 <sup>nd</sup> Quarter	March 15, 2020
3 <sup>rd</sup> Quarter	June 15, 2020
4 <sup>th</sup> Quarter	September 15, 2020

Additional reports, as required, have been, and will be submitted by the 15<sup>th</sup> of the subsequent months of December, March, June, and September.

### **3. CORRECTIVE ACTION PROGRESS**

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#### **VISUAL INSPECTION OF MANHOLES IN SELECT LOCATIONS**

Completed, see December 15, 2019 quarterly report.

#### **SMOKE TESTING**

Completed, see December 15, 2019 quarterly report.

#### **CLOSED CIRCUIT TELEVISIONING**

Completed, see December 15, 2019 quarterly report.

#### **DEVELOPMENT OF MITIGATION PLAN**

Completed, see December 15, 2019 quarterly report.

#### **PREPARE/SUBMIT PRELIMINARY ENGINEERING REPORT TO WWAC (FOR ORIGINAL SCOPE)**

Completed, see December 15, 2019 quarterly report.

#### **PREPARE/SUBMIT WWAC APPLICATION FOR REVISED PROJECT SCOPE**

Completed. The WWAC application for the larger, updated project scope was submitted to the WWAC on May 14, 2021. An anticipated funding amount of \$2,390,000 was requested.

#### **PREPARE/SUBMIT ENVIRONMENTAL REPORT**

Preparation of the Environmental Report is underway. Due to the proposed work occurring along previously disturbed ground, it is likely that the project will be eligible for a Categorical Exclusion.

#### **PREPARE/SUBMIT FUNDING APPLICATIONS**

The Community Development Block Grant funding application for wastewater improvements was completed and submitted to the Arkansas Economic Development Commission on March 12, 2020. Funding for the project through the CDBG program was not issued during the 2020 cycle. A copy of the funding application was previously included under Appendix A of the March 2020 quarterly report.

As mentioned previously, federal funding will be pursued through USDA for the larger scope of the project. Preparation of the funding application has begun and will be submitted in accordance with the proposed project schedule. Similarly, work is underway on the Preliminary Engineering



and Environmental Reports required by USDA.

**PREPARE/SUBMIT DRAFT PLANS AND SPECIFICATIONS**

Preparation of Draft Plans and Specifications has not yet begun. This task will begin once project funding has been procured.

**PREPARE/SUBMIT FINAL PLANS AND SPECIFICATIONS**

Preparation of Final Plans and Specifications has not yet begun. This task will begin once agency review of the Draft Plans and Specifications has been completed.

**ADVERTISE FOR BIDS**

Advertisement for Bids for the proposed project has not yet occurred. This task will be initiated once agency approval of the Final Plans and Specifications has been issued.

**OPEN BIDS**

Bids for the project will be opened approximately 30 to 45 days after the Advertisement for Bids has been published.

**AWARD CONSTRUCTION CONTRACT**

The Construction Contract will be awarded approximately 30 to 45 days after the Bids have been opened, if adequate funding is secured.

**START OF CONSTRUCTION**

Construction will begin near the time the Contract has been awarded.

**END OF CONSTRUCTION**

Construction will be completed approximately twelve months after the beginning of construction.