

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

***FOR***

***SANITARY SEWER COLLECTION  
SYSTEM***

***TO SERVE THE***

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

***MARCH 2023***



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**ENGINEERING SERVICES, INC.**

1207 SOUTH OLD MISSOURI ROAD • P. O. BOX 282 • SPRINGDALE, ARKANSAS 72765  
(479) 751-8733 • (479) 751-8746 FAX • [www.engineeringservices.com](http://www.engineeringservices.com)

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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 goal of recommending improvements necessary to mitigate the 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 in 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 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, construction on the original scope of the project started. At approximately 80% completion, the project was ahead of schedule and under budget, so the City of Yellville decided to expand the project to include other aged and damaged areas in need of rehabilitation. Approximately 1,226 linear feet of existing damaged sewer main and two manholes were replaced as part of the City's continued effort to reduce inflow and infiltration issues in its system. By the end of the \$507,022.00 project, the City had contributed approximately \$166,173.00 of its own funds towards this effort and will continue to seek other funding opportunities to rehabilitate the rest of their system.

The project including the original scope and additional work was substantially complete on March 8<sup>th</sup>, 2023. This is in accordance with the schedule detailed in Table 2.2, first proposed in the December 2021 quarterly progress report.

No other milestones were set for the last quarter; therefore, the project is still on schedule and in compliance with CAO LIS 21-105.

## 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

As mentioned in the previous quarterly reports, due to the change in funding agency from USDA to ANRC, the revised Project Schedule detailed in Table 2.2 was proposed in the December Quarterly Report.

However, also noted in the previous reports, steps to construct the original scope of the project were pursued due to the funding secured from AEDC. Plans and specifications for the original scope of the project were submitted to the Arkansas Health Department on April 8<sup>th</sup>, 2022 and approved on August 2<sup>nd</sup>, 2022. Construction of the original scope of the project began on December 12<sup>th</sup>, 2022 and ended on March 8<sup>th</sup>, 2023.

**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 Federal Funding Application	Complete
Prepare/Submit Environmental Report	Complete
Prepare/Submit Draft Plans and Specifications ( <i>Original Scope</i> )	Complete
Prepare/Submit Final Plans and Specifications ( <i>Original Scope</i> )	Complete
Advertise for Bids ( <i>Original Scope</i> )	Complete
Open Bids ( <i>Original Scope</i> )	Complete
Award Contract ( <i>Original Scope</i> )	Complete
Start of Construction ( <i>Original Scope</i> )	Complete
End of Construction ( <i>Original Scope</i> )	Complete

**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**

The project was determined to be Categorically Excluded from the full environmental review process.

#### **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. Funds of \$195,800.00 through the CDBG program were originally secured in August 2020 and an additional amount of \$137,109.00 was requested and approved by AEDC in October 2022 necessary to cover unexpected expenses during construction of the project.

As mentioned previously, federal funding was pursued through ANRC for the larger scope of the project. A funding application for \$4,000,000.00 through ANRC was submitted in August 2021 but was deferred by the city, at the suggestion of ANRC, to pursue future grant opportunities through the ARPA and the Infrastructure Bill.

On December 2<sup>nd</sup>, 2022, we learned this project was not recommended to receive ARPA funds. However, the City continued to pursue other federal funding, mainly through the EPA, and is optimistic it will receive approximately \$2,160,000.00 in funding. This funding will require a cost-share of approximately \$540,000.00 from the city for a total of approximately \$2,700,000.00. These funds will allow the City to continue to make necessary improvements to its system and remain in compliance with CAO LIS 21-105.

**PREPARE/SUBMIT DRAFT PLANS AND SPECIFICATIONS**

Completed. Draft plans and specifications for the original scope of the project were submitted on April 8, 2022. Comments from the Arkansas Health Department were received on April 21, 2022 and June 23, 2022.

**PREPARE/SUBMIT FINAL PLANS AND SPECIFICATIONS**

Completed. Arkansas Health Department approval of the plans and specifications was received on August 2, 2022.

**ADVERTISE FOR BIDS**

Completed. The project was advertised for bids on August 14<sup>th</sup> and August 28<sup>th</sup>.

**OPEN BIDS**

Completed. Bids for the project were opened on September 15<sup>th</sup>, 2022 by the City of Yellville. One bid of \$442,275.00 was received that was \$246,475.00 higher than the original project budget. This difference is likely due to increase in construction costs from the time the project was first funded to present day costs. In order to move forward with the project, the City of Yellville will provide \$165,816.00 plus a contingency of \$20,000.00, and an additional grant amount of \$137,109.00 was approved by AEDC on October 14<sup>th</sup>, 2022.

**AWARD CONSTRUCTION CONTRACT**

Completed. The Construction Contract was awarded on October 28<sup>th</sup>, 2022.

**START OF CONSTRUCTION**

Completed. Construction began on December 12<sup>th</sup>, 2022.

**END OF CONSTRUCTION**

Completed. Construction was substantially complete on March 8<sup>th</sup>, 2023.