

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

FOR

***SANITARY SEWER COLLECTION
SYSTEM***

TO SERVE THE

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

JUNE 2022



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MARION COUNTY, ARKANSAS

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ENGINEERING SERVICES, INC.

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ATTACHMENTS

Arkansas Department of Health Comments Letter – April 21, 2022
Categorical Exclusion Memorandum

1. GENERAL OVERVIEW

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, plans and specifications for the original scope of the project have been submitted to the Arkansas Health Department (ADH) for their review. This is in accordance with the schedule detailed in Table 2.2, first proposed in the December 2021 quarterly progress report. Engineering Services, Inc. is currently working through comments from ADH dated April 21, 2022. The plans and specifications will be resubmitted in the near future, once all comments are addressed. See comments letter from the Arkansas Health Department attached to this report.

Additionally, the project was determined to be Categorical Excluded from the full and substantive environmental review process as part of the Arkansas Natural Resources Division's RLF program. A memorandum documenting the Categorical Exclusion determination is attached to this 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

RECOMMENDED SCHEDULE

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

Table 2.1
Original Milestone Schedule

Task	Target Completion Date
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 report, 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 report, steps to construct the original scope of the project would be pursued due to the funding secured from AEDC. Therefore, plans and specifications for the original scope of the project were submitted to the Arkansas Health Department on April 8, 2022.

Table 2.2
Revised Proposed Milestone Schedule

Task	Target Completion Date
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	Complete
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

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

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

3. CORRECTIVE ACTION PROGRESS

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. See memorandum attached to this report.

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 \$250,000 through the CDBG program were secured in the previous quarter.

As mentioned previously, federal funding will be pursued through ANRC instead of USDA for the larger scope of the project. A funding application for \$4,000,000 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. Our latest understanding is that grant funding through these sources may become available within the summer of 2022.

PREPARE/SUBMIT DRAFT PLANS AND SPECIFICATIONS

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. The plans and specifications will be resubmitted in the near future, once all comments are addressed. A copy of the comments letter from ADH is included in this report.

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.



Arkansas Department of Health

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Governor Asa Hutchinson

José R. Romero MD, Secretary of Health

Engineering Section, Slot 37 Ph (501) 661-2623 Fax (501) 661-2032
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April 21, 2022

Engineering Services, Inc.
P.O. Box 282
Springdale, AR 72764

RE: Sewer Rehab 5th St to College St to Town Branch Stream
Yellville Sewer – Marion County
Project 118987

Attn: Timothy J. Mays, P.E.

The above-referenced project, received on April 8, 2022, has been reviewed and we have the following comments:

1. All projects submitted to this office must be accompanied by a cover letter addressing the following items at a minimum:
 - a. Include a brief summary of the need for, intent of, and details of the project.
 - b. Indicate the type of facility or facilities to be served.
 - c. Clear indication of what water and/or sewer utility the project will connect to and pertinent information regarding the conditions of the utilities.
2. Verify that all water mains in the vicinity of the proposed sanitary sewer work are shown in the plan and profile views.
3. Annotate proposed separation at all crossings of water mains and sanitary sewer mains. If depth of water mains are unknown, provide adequate notation to ensure requirements of Section XIV.A. of the ADH Rules Pertaining to Public Water Systems are met.
4. Invert elevations of some pipes are not annotated multiple manholes throughout the profiles.
5. Directions of inverts of some pipes note annotated in multiple manholes throughout the profiles.
6. Address Section 34.6 of the 10 States Standards for Wastewater as it pertains to watertight manhole covers and street runoff or water.
7. Address Section 36.11 of the 10 States Standards for Wastewater as it pertains to cover depth at stream crossings.
 - a. Additionally, note that the creek crossings shown in the project do not appear to reflect the requirements of the creek crossing standard detail provided.
8. Sheet 08. Some parts of the "Typical Water Main & Sanitary Sewer Main Separation Details" are unclear while other parts do not reflect the requirements of Section XIV.A. of the ADH Rules Pertaining to Public Water Systems (horizontal separation is between edges of pipes not centerlines, encasement must be watertight, etc.). Please review and revise.
9. Page 1-7 of the specifications. The itemized bid package appears to contain some errors and/or omissions. Please review and revise.
10. Page 2-56 of the specifications. The depth of excavation does not appear to agree with later sections of the specifications and the standard details in the plans. Please review and revise.
11. Pages 2-69 and 2-70 of the specifications. One page states that the maximum allowable leakage is 50 gallons per day per inch-mile while the other states that the maximum is 100. Please review and revise.
12. Page 2-70 of the specifications. Verify that the table for air testing agrees with the ADH Policy on Plastic Pipe for Public Sewer Systems.

13. Page 2-71 of the specifications. Verify that Section 8 agrees with the requirements of the ADH Policy on Plastic Pipe for Public Sewer Systems.
14. Page 3-1 of the specifications. This page is incorrectly labeled as 6-1.
15. Pages 3-3 and 3-25 of the specifications. The requirements for bedding particle size do not appear to agree with other sections of the specifications and the standard details in the plans. Please review and revise.
16. Page 3-4 of the specifications. The "Creek Crossings" Section does not appear to agree with Bid Item 10 or the standard details in the plans. Please review and revise.
17. Page 3-6 of the specifications. This section states that bolted water-tight gasketed manhole cover and frames are required, but the plans and details do not appear to agree. Please review and revise.
18. Bid Items 13 and 14 and Appendix I reference force mains to be installed though none are proposed in the plans. Please review and revise.
19. Bid Items 7 and 8 contain requirements for crossings of driving surfaces that do not agree with the details in the plans. Please review and revise.

We will continue to review this project when we have your response. Please use our project identification number 118987 when submitting further correspondence.

Sincerely,

A handwritten signature in blue ink that reads "Adam Parker". The signature is fluid and cursive, with the first name "Adam" and last name "Parker" clearly distinguishable.

Adam Parker, E.I.
District Engineer
Engineering Section - ADH

AP:ap

Cc: Yellville Sewer
Marion County EHS

Stone Co. Health Unit
204 Whitfield St
Mt. View, AR 72560

Attn: Dwayne Marriott, State Plumbing Inspector



Asa Hutchinson
Governor

ARKANSAS DEPARTMENT OF AGRICULTURE

1 Natural Resources Drive, Little Rock, AR 72205
agriculture.arkansas.gov
(501) 225-1598



Wes Ward
Secretary of Agriculture

MEMORANDUM

TO: File

FROM: Keith Sanders, Environmental Program Manager

SUBJECT: Categorical Exclusion Summary and Notification

PROJEC Yellville Sanitary Sewer System Improvements

DATE: March 14, 2022

The proposed, referenced WWTP project consists of replacement of damaged manholes and a sewer main, as well as improvements to an existing lift station and the wastewater treatment plant to mitigate system defects that result in sanitary sewer overflows. All improvements are located on previously disturbed areas and meets the criteria as explained below:

“Actions relating to existing infrastructure systems (such as sewer systems; drinking water supply systems; and stormwater systems, including combined sewer overflow systems) that involve minor upgrading, or minor expansion of system capacity or rehabilitation (including functional replacement) of the existing system and system components (such as the sewer collection network and treatment system; the system to collect, treat, store and distribute drinking water; and stormwater systems, including combined sewer overflow systems) or construction of new minor ancillary facilities adjacent to or on the same property as existing facilities.”

The proposed project has been determined to be Categorically Excluded (CE) from the full and substantive environmental review process as part of the Arkansas Natural Resources Division’s RLF program. The proposed project meets the requirements for a CE found in 40 CFR Part 6, Subpart B, 6.204 of the EPA’s NEPA Environmental Review Procedures.

No extraordinary circumstances found in 40 CFR 1508.4 apply to this action.

Note: Documentation to substantiate this decision includes a project description submitted by email dated March 8, 2022, by the consulting engineering firm, ESI, Inc.

-more-

Please sign and date:

Keith Sanders, Environmental Program Mgr.



Digitally signed by Keith Sanders
Date: 2022.03.14 10:38:49 -05'00'

Richard Dawson, P.E., Eng. Supervisor

 3/15/22

Debra Dickson, Water Development Section Manager

 3/15/2022