



4700 Lakehurst Court, Suite 135
Dublin, Ohio 43016-2237
Phone (614)704-6457
Web www.tebbecivil.com

Via e-mail: fchristman@ashvilleohio.gov

August 12, 2021

Mr. Franklin Christman
Village Administrator - Village of Ashville
200 East Station Street
Ashville, Ohio 43103

RE: Ashville South Metershed Phase 1 Improvements
(Proposal P2007)

Dear Mr. Christman:

We are pleased to provide this proposal for civil engineering services concerning the South Metershed Improvements project. This project is part of the Ohio EPA Director's Findings and Orders Agreement for the Village of Ashville to reduce Inflow and Infiltration into the sanitary sewer system. This project consists of two phases and will consist of sanitary, storm, and the necessary intersection improvements and will primarily be bound by Dime Alley on the west, Walnut Street on the east, Station Street on the north, and Church Street on the south. The project area is approximately 45 acres and is detailed in a preliminary phased exhibit as an attachment to this proposal.

This project will be phased with two separate proposals. This first proposal will include preliminary engineering for the entire project and final design for Phase 1. We will investigate options for re-routing the sanitary sewer away from the pump station and redirect flows to the trunk line to the north. We will perform capacity analysis of the existing sanitary trunklines for this project and for potential future projects. We will determine alternatives for a new storm sewer system to control storm events in this area and allow for future expansion in areas to the north to alleviate localized flooding and to provide adequate outlets for existing properties and future development. We will investigate costs associated with repairing any roadways in the area that will be disturbed by the sewer construction work, project phasing and OPWC funding strategy. The second proposal will be for final design of Phase 2.

The overall Ohio EPA DFFO project timeline has been added as an attachment to this proposal. The timeline has been updated to show where the proposed works fits into the overall timeline. The Village of Ashville has committed itself to complete six I/I reduction projects between 20221 and 2026. The timely completion of this project is critical for the successful completion of the DFFO projects.

SCOPE OF SERVICES

We propose to provide the following services for Proposal 1:

I. Task A - Survey (Phase 1)

Supplementing the existing aerial survey, intersections in Phase 1 will be detail surveyed to allow us to re-grade the roadway (correct cross slopes, provide ADA compliance, improve drainage patterns, etc.) and design the storm sewer system. Finished floors for all structures will be surveyed to determine the required service elevation and depth of the proposed sanitary sewer main line. All existing storm sewer and sanitary



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sewer structures will be surveyed for location, depth, top of casting, pipe size and inverts. In Phase 1, private properties will be investigated to determine existing sanitary and storm connection locations, basement service and the presence of sump pumps.

II. Task B - CCTV (Phase 1)

Phase 1 will include approximately 5,000 feet of CCTV. This information will be used to determine location and condition of project tie-in locations. It will be used to determine location of existing sanitary services and potentially discover locations of illicit storm sewer connections. The CCTV information will be reviewed by TCE and base maps created locating existing wyes which will be used for Phase 1 design.

III. Task C - Preliminary Engineering (Phase 1 & 2)

The purpose of preliminary engineering is to create feasible project design alternatives to develop a final engineering scope of work. This task will require the analysis of both the sanitary and storm sewer systems in the area. The capacity of both systems will need to be determined to find the best solution for the layout. After capacity is determined, each system will require design calculations to determine if the proposed solutions can be adequately served by the existing downstream infrastructure.

Our primary intent of these calculations will be to determine the best ways to minimize I/I into the system, reduce or eliminate localized flooding in the project areas, and to reduce strain on other portions of the systems. Once the calculations are complete, we will prepare preliminary design alignments, exhibits, and cost estimates outlining the proposed improvements. We will also determine the most cost-effective ways to approach the project phasing such that funding opportunities can be maximized. The scope of the project will be shared with the Village staff to determine the best solution for moving into the final engineering stages of the project.

IV. Task D - Final Design (Phase 1)

We will prepare final construction plans for Phase 1. Plans will include: Title sheet, schematic plan, general notes, maintenance of traffic, quantities, demolition, sanitary plan, storm plan, utility profiles, details, pavement marking, signage, intersection and alley details, sanitary and storm design calculations, etc. We will also prepare and obtain a sanitary Permit to Install (PTI) and Ohio EPA Notice of Intent (NOI) for the project.

V. Task E - Meetings/Coordination / OPWC Construction Application (Phase 1)

We have included 116 hours of time for this task for site visits, meeting with Village staff to discuss alternatives, finalizing the scope for final engineering and preparing the OPWC application for construction of Phase 1. Any additional time authorized will be billed at our normal hourly rate per our attached Schedule of Hourly Costs.

VI. Expenses (Included in Fees for Tasks A-E)

We have included up to \$2,620 in the above tasks for mileage and reproduction costs associated with the project.



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SCHEDULE OF FEES

We propose to provide consulting engineering services for this project on an estimated hourly fee basis according to our attached general terms and conditions with the following estimated maximum fees:

	<u>Base Fee</u>
Task A – Survey (Phase 1)	\$ 42,255
Task B – CCTV (Phase 1)	\$ 29,440
Task C - Preliminary Engineering (Phase 1 & 2)	\$ 64,340
Task D - Phase 1 Final Design	\$ 160,520
<u>Task E – Meetings / Coordination / OPWC Construction Application (Phase 1)</u>	<u>\$ 11,580</u>
Total Base Fee	\$308,135

The Scope of Services and Schedule of Fees are based on certain assumptions and may be revised depending on the Village’s requirements. Our fees will be invoiced monthly based on the services provided and payment is due upon receipt.

We appreciate the opportunity to provide this proposal and look forward to the opportunity to work with the Village on this project.

If you have any questions or need additional information, please feel free to contact me at (614) 845-5885.

Sincerely,

Proposal Accepted By:

Tebbe Civil Engineering, LLC..

Christopher M. Tebbe, P.E.
Owner

8-16-2021

Signature

Date

Franklin Christman, Village Administrator

Printed Name

Project Contingent Upon Funding

Encl.

Attachments:

- 1) Phasing Exhibit
- 2) Proposal Cost Spread Sheet
- 3) DFFO Project Timeline



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Tebbe Civil Engineering, LLC

SCHEDULE OF HOURLY COSTS FOR 2021
(January 1, 2021)

OFFICE

Principal	125.00/hour
Project Manager Engineer.....	120.00/hour
Project Engineer	85.00/hour
Design Engineer.....	75.00/hour
Designer.....	70.00/hour
CAD Technician III.....	65.00/hour

EXPENSES

Mileage (Automobile)0.50/mile
B/W Copies – Full Size Drawings	4.00/copy
B/W Copies – Quarter Size Drawings	0.50/copy
B/W Copies – Letter	0.25/copy
Subcontract Services	Cost Plus 10%