

RESOLUTION NO. 16-2012

Offered by All of Council

A RESOLUTION AUTHORIZING THE MAYOR AND THE FINANCE DIRECTOR TO ENTER INTO AN AGREEMENT WITH ARCADIS GPS FOR PROFESSIONAL ENGINEERING SERVICES IN CONNECTION WITH THE DESIGN OF SANITARY SEWERS TO THE GENERAL BRIARWOOD AREA

BE IT RESOLVED by the Council of the Village of Richfield, Summit County, State of Ohio:

SECTION 1. That the Mayor and the Finance Director be, and they hereby are, authorized and directed to enter into an agreement with Arcadis GPS for professional engineering services in connection with the design of a sanitary sewer system to service the general Briarwood area, substantially in accordance with the proposal that is attached hereto as Exhibit "A" and incorporated herein fully as if by reference. The agreement shall not exceed \$64,900.00 for engineering services and soil borings.

SECTION 2. This Resolution shall take effect and be in force from and after the earliest period allowed by law.

PASSED: 2/21/12

Michael Wheeler
President of Council

Bobble Boskara
Mayor

Dated: 2/21/12

ATTEST:

Carolyn E. Sullivan
Clerk of Council



Mrs. Bobbie Beshara,
Mayor
Village of Richfield
4410 West Streetsboro Road
Richfield, Ohio 44286

ARCADIS U.S., Inc.
1100 Superior Avenue
Suite 1250
Cleveland
Ohio 44114
Tel 216 781 6177
Fax 216 781 6243
www.arcadis-us.com

Water Division

Subject:
Richfield, Ohio
Briarwood Area Wastewater Pumping Stations Improvements
PROPOSAL

Date:
2 February 2012

Dear Mayor Beshara:

Contact:
Said AbouAbdallah, PE

At your request, we are pleased to submit this proposal for providing engineering services to complete the detailed design of two wastewater pumping stations and associated force main pipe on the above referenced project. The facilities will be used by the Village of Richfield to convey the wastewater from the existing sanitary sewers within the Briarwood area to the sanitary sewer trunk line on Brecksville Road. The design of the project was initially started in 2009 but suspended in 2010 due to financial concerns. At this time, the Village of Richfield is in a position to re-engage the project and wishes to complete the detailed design so the project can be released for bidding and construction in 2012.

Phone:
216.781.6177

Email:
said.abouabdallah@arcadis-us.com

Our ref:
66021801.0001

The project involves the design of two duplex submersible pumping stations as follows:

1. Pumping station No. 1 – Proposed to be located immediately adjacent to the existing road right-of-way on Briarwood Drive about 1,300 feet south of SR 303. The duplex submersible pumping station would have an approximate capacity of 300 gallons per minute and be equipped with a wetwell, valve vault, and FRP enclosure to house the electrical controls, "Bioxide" odor control system and a stand-by generator with an outdoor enclosure. Approximately 3,700 lineal feet of 6 inch force main pipe is proposed to be designed from this pumping station and extend along Briarwood Drive and then on SR 303 to discharge into the wetwell of pumping station No. 2.

Imagine the result



ARCADIS

Mayor Bobbie Beshara
2 February 2012

2. Pumping Station No. 2 – Proposed to be located on Streetsboro Road (SR 303) in the Vicinity of the intersection of SR 303, White Pine Drive and the I-77 bridge. The pumping station shall be a duplex submersible type at approximately 425 gallons per minute capacity and be equipped with a wetwell, valve vault, and RFP enclosure, electrical controls and a stand-by generator with an outdoor enclosure. Approximately 3,300 lineal feet of 8 inch force main pipe is proposed to be designed and extend from this pumping station to the existing sanitary sewer manhole at the northeast corner of the intersection of Brecksville Road and Streetsboro Road.

Our proposal is based upon the following limitations:

1. Sound soil conditions at the sites of the two pumping stations. Poor soil conditions and/or soils requiring special engineering foundation designs such as retaining walls, pile foundations, special deep foundations, etc. are not included.
2. Proposed pumping station locations are proposed to be adjacent to the public right-of-way and no further than 100 feet from said right-of-way.
3. Easement descriptions, right-of-way acquisition, property acquisition and/or special design for easement conditions, if needed, are not included.

At this time, the preliminary opinion of the probable cost of construction of the overall project is estimated to be in excess of \$1,000,000 dollars. The following lists our Scope of Services, Scheduling and Engineering Fee.

Scope of Services

Detailed Design Phase - ARCADIS will perform the following tasks after receipt of a written notice to proceed from the Village.

1. Arrange for and attend a kickoff meeting with the Village to collect data and finalize the project design scope and objectives.
2. Contact the Ohio Utilities Protection Service (OUPS) to inform affected utilities of the proposed project and request data and field marking of underground utilities in the project area.

ARCADIS

Mayor Bobbie Beshara
2 February 2012

3. Utilize the previously performed field surveying and base drawings of the project area.
4. Advise the Village about the need for subsurface soil investigations and assist the Village in obtaining the needed services. The costs for these services are included in this proposal as an allowance.
5. Identify to the Village any needed easement areas to facilitate construction. Easement descriptions are not included in this proposal.
6. Prepare drawings at appropriate scales to show the plan and profile design of the proposed force mains. Detailed drawings will be developed for each pumping station. The drawings will show the collected utility information, topographic features of the site including R/W limits and property lines.
7. Prepare updated front-end documents including Advertisement for Bids, Bid forms and General Conditions for the entire project. Technical specifications will be prepared in CSI format.
8. Prepare an opinion on probable construction cost of the proposed improvements.
9. Assist the Village in submitting the drawings and specifications to government agencies, such as the Ohio EPA, having jurisdiction for review and approval of the project. Assist the Village in responding to comments. The required review fees are the responsibility of the Village.
10. Assist the Village in obtaining the required permits from the State of Ohio Department of Transportation as needed for the underpass crossing at the I-77 bridge and for proposed work at SR 303 outside the Village limits.
11. Assist the Village in obtaining the required permits from the Richfield Township and/or Summit County Engineer's office for proposed work within the Richfield Township area outside the Village limits.
12. Submit the drawings to the affected utility companies and respond to conflict and review comments.
13. Submit the Contract Documents to the Village and review the documents with the Village staff and respond to their comments.
14. Finalize the documents and provide four copies of drawings and specifications to the Village for their records and for use with the future bidding phase.

ARCADIS

Mayor Bobbie Beshara
2 February 2012

Scheduling

ARCADIS is proposing to complete the detailed design phase as listed above including tasks 1 thru 14 within 120 consecutive days of receipt of a written notice to proceed from the Village. The remaining task would be completed within 30 consecutive calendar days of receipt of all written comments.

Engineering Fee

ARCADIS proposes to be reimbursed at a cost reimbursement plus fixed fee thereof, plus other direct costs or reimbursable expenses for the different phases of the project as follows:

• Detailed design phase, not to exceed	\$56,300
• Reimbursable expenses such as travel, printing, mail, etc.	\$2,000
• Allowance for third party subsurface soil investigations	<u>\$6,600</u>
Total	\$64,900

At this time, we would be available to meet with the Village to discuss the above tasks and address concerns and issues. In the meantime, please feel free to contact me should you have any questions or comments.

Sincerely,

Said W. AbouAbdallah, P.E

Copies:

Melanie Baker, Richfield Service Director (w/enclosure)