

RESOLUTION APPROVING DESIGN PLANS FOR THE NORTHEAST REGIONAL WATER MAIN EXTENSION PHASE II

WHEREAS, Doug Starkey, Director of Ashtabula County Department of Environmental Services has presented design plans for the approval of the Board, to-wit:

Scope: Design plans for Phase II of the North East Regional Airport Project, including an extension to the NE Ohio Regional Airport and Ashtabula County A-Tech, including different route options for future buildouts, and placement of water booster station.

Provider: Verdantas, 8150 Sterling Court, Mentor Ohio 44060

Cost: Not to Exceed, \$52,170.00 for design plans

Term: Design approved upon signing

THEREFORE, BE IT RESOLVED, By the Board of Commissioners of Ashtabula County, Ohio that the design plans as noted above are approved in accordance with the copy now on file in this office.

**ASHTABULA COUNTY COMMISSIONERS
CERTIFICATION PAGE**

Resolution No. 2025-451

October 16, 2025

**RESOLUTION APPROVING DESIGN PLANS FOR THE NORTHEAST REGIONAL
WATER MAIN EXTENSION PHASE II**

Upon the motion of Kathryn L. Whittington, seconded by Casey R. Kozlowski.

VOTE:

J.P. Ducro IV	Aye
Casey R. Kozlowski	Aye
Kathryn L. Whittington	Aye

CERTIFICATE OF CLERK

IT IS HEREBY CERTIFIED that the foregoing is a true and correct transcript of a resolution acted upon and duly passed by the Board of County Commissioners of Ashtabula County, Ohio, on the date noted above.



Lisa Hawkins, Clerk of the Board
Board of County Commissioners
Ashtabula County, Ohio

RFP #055.0000038218

Northeast Regional Water Main Extension – Phase II

Submitted to



Submitted by

verdantas

8150 Sterling Court
Mentor, OH

September 26, 2025

Mr. Douglas Starkey
Director of the Department of Environmental Services
25 W. Jefferson Street, City OH 44047
440-576-3725
dgstarkey@ashtabulacounty.us

NE Regional Water Main Extension – Phase II Professional Services

Mr. Starkey:

Verdantas LLC (VDT) is pleased to submit this proposal for professional services for Phase II of the Northeast Regional Water Main Extension. Verdantas will provide these services in accordance with the terms and conditions of the standing Professional Design Services Agreement dated September 14, 1999 and attached 2025 Rate Schedule. We appreciate this opportunity to provide details of our project approach.



Patrick A. Blake, PE
Project Manager
pblake@verdantas.com
440-530-2341



Tony Mancari, PE
Water Department Leader
tmancari@verdantas.com

CC:
Doug Starkey, dgstarkey@ashtabulacounty.us

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Figure 1	NE Regional Waterline Phase 1
Figure 2	NE Regional Waterline Phase 2 Alternative Routes
Figure 3	Garrett Road Survey Area

1. Project Background and Approach

Verdantas has begun design development of an approximately 13,000-foot waterline extension along Jefferson Road to Morgan Road, designated as Phase 1 of the NE Regional Water Main Extension. In addition to the waterline extension, a new package Water Booster Station is to be designed within this waterline corridor as a part of Phase 1.



Figure 1: NE Regional Waterline Phase 1 (Image Courtesy of Google Earth)

After planning level discussions with ACDES, it was determined that a basis of design study and report would be a beneficial tool for ACDES to make informed decisions regarding placement of the Package Water Booster Station within the Phase 1 corridor, and to accommodate current and future buildout goals for watermains within the region, including extensions to the Northeast Ohio Regional Airport and Ashtabula County A-Tech which is considered Phase 2 of the Northeast extension. The Basis of Design Report for Phase 2 will evaluate hydraulics, constructability, and costs for different route options for future buildout, in conjunction with placement of the Water Booster Station.

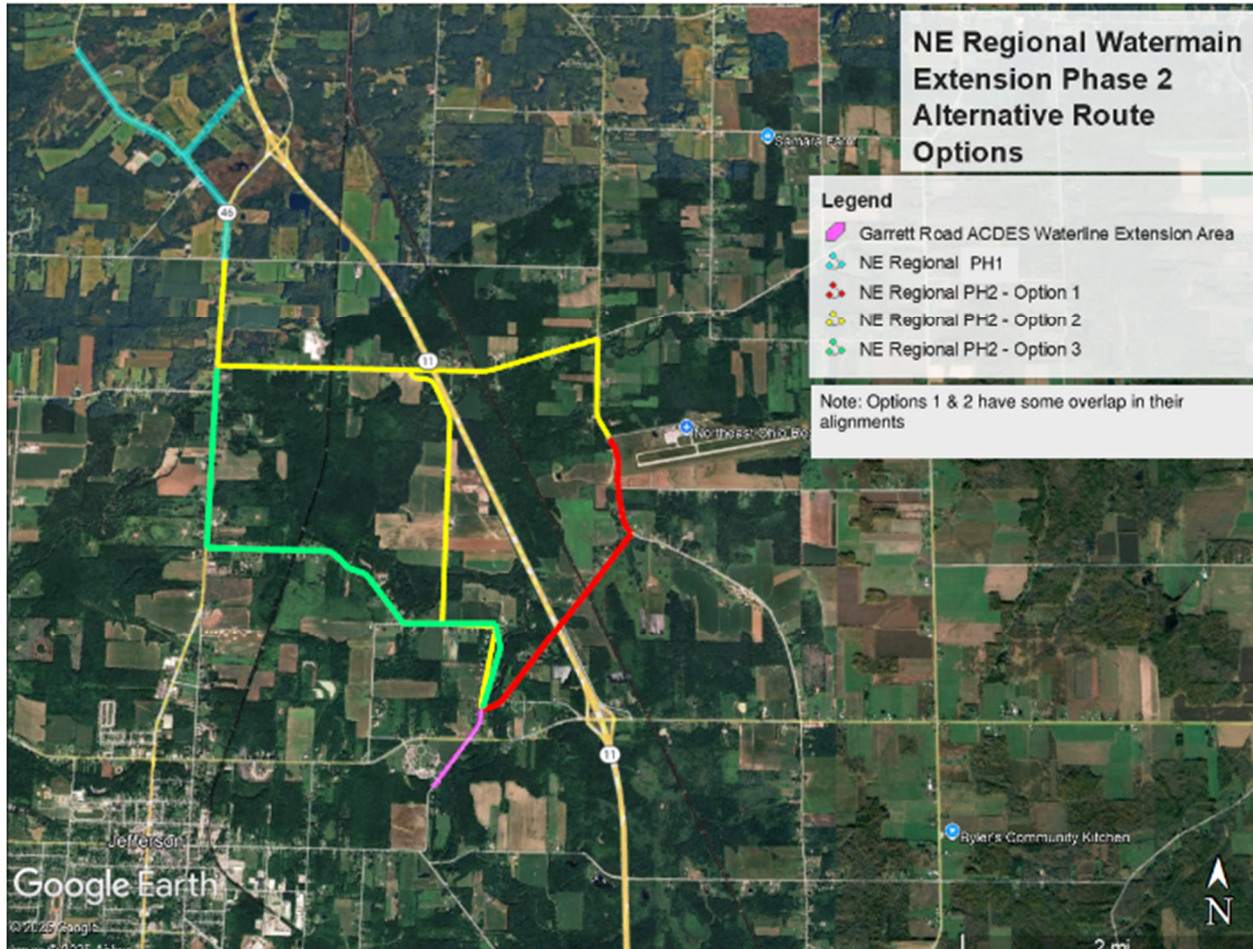


Figure 2: NE Regional Waterline Phase 2 Alternative Routes (Image Courtesy of Google Earth)

Additionally, survey, design, and bid document preparation for a 6,000-foot watermain extension by way of Garrett Road has been requested by ACDES to be performed. At this time, the current scope does not include design of the A-tech extension, west of Garrett Road. The cost for design document and plan development of the A-tech extension can be provided, if requested by the County.



Figure 3: Garrett Road Survey Area (Image Courtesy of Google Earth)

2. Scope of Services

2.1 Basis of Design Report

Verdantas will prepare a Basis of Design Report (BODr) for ACDES to summarize the evaluation of Water Booster Station placement and future water line extensions (Phase 2). The BOD will provide ACDES with the following:

1. Review and Analyze ACDES SCADA data recommended by Verdantas
2. Review data with ACDES to fully understand the operations of various infrastructure components on pressure zone (mineral springs BPS & maple ridge BPS)
3. Modelling and validation of new Water Booster Station location(s) and alternate water main routes
4. Review of anticipated Water Booster Station location(s) with ACDES and determine feasibility of providing adequate
 - a. Fire Protection (1,000 gpm @ airport)
 - b. Reliability and Redundancy
 - c. Pressures during Average, Maximum & Minimum day demands

5. PDF Exhibits/Figures of proposed future water line alignment and booster station(s) options
6. Preliminary AACE Level 4 Cost Estimates for each option
7. A Pros/Cons list for each of the route options, factoring in hydraulic performance determined by the Modeling, environmental concerns/considerations, constructability considerations, and costs.

Upon approval of the booster location associated with Phase I, said design and coordination will be done under the existing Phase 1 work authorization.

Upon approval of BOD, the alignment and any additional booster station(s), a separate work authorization will be developed for final design of the Phase 2 work.

2.2 Garrett Road Survey & Field Investigation

Verdantas will perform a topographical survey of the A-tech and Garrett Road extension area, and a limited right of way retracement within the approximate work extents. Verdantas will gather elevation data of the surrounding hardscape within the approximate work area and contact Ohio Utility Protection Services to gather any available utility record information within the public right of way. Topographic survey information and available record utility data will be compiled into an AutoCAD Civil 3D base map that will be used for development of design plans.

2.3 Garrett Road Design Documents

Verdantas will utilize the survey data gathered in the previous task to prepare design documents to be used for bidding. This Task consists of the following elements:

1. Preparation of Design Plan Drawings (which we envision will generally consist of):
 - a. Cover Sheet
 - b. General Notes & Index
 - c. Plan and Profiles
 - d. Construction Details & Notes
 - e. SWPP Notes & Details
2. Schedule 60 % design check in with ACDES to review progress
3. Ohio EPA Permit to Install Application and submittal
4. Prepare technical specifications for the project, prices to include, and summary of work
5. Preparation of an Engineer's Estimate of Project Construction Cost (EOPCC)

Note it is anticipated that this will be bid in conjunction with the NE Extension Phase 1 project under a separate work authorization.

2.4 Additional Services

The following items are not included in the scope and fee herein, but can be provided by Verdantas under separate authorization:

- ▶ Application or Plan Review fees by reviewing entities.
- ▶ Design of the A-tech section of waterline, west of Garrett Road.
- ▶ Design of additional booster stations and watermains associated with Phase 2
- ▶ Loan or Grant Application Writing.
- ▶ Environmental Permitting.
- ▶ Geotechnical Boring.
- ▶ Subsurface Utility Exploration (SUE).
- ▶ Bidding assistance, Construction Administration and Observation.
- ▶ Tree clearing coordination.
- ▶ Temporary or permanent easement development. Including recording of said easements.
- ▶ Pavement Coring.
- ▶ Other services not stated above.

3. Fee

PHASE NUMBER	PHASE DESCRIPTION	PHASE FEE	FEE BASIS
01	Basis of Design Report	\$12,170	T&M
02	Garrett Road Survey & Field Investigation	\$17,400	T&M
03	Garrett Road Design Documents	\$22,100	T&M
	Reimbursable Expenses	\$500	T&M
	TOTAL	\$52,170	

The standard terms and conditions, and rates, are in accordance with standing Professional Design Services Agreement dated September 14, 1999.

Verdantas may alter use of funds between phases listed above but will not exceed the “Total” without prior authorization. Invoices will be submitted monthly based upon the time spent on the project. Payment is due upon receipt of invoice and past due 30 days after receipt.

Acceptance and Authorization to Proceed

Upon the authorized signature of both parties to this contract, they agree to the above prices, terms and conditions as satisfactory. Payments will be made as outlined above and work can proceed. No work shall proceed until the signed Task Order is returned by the Owner to Verdantas.

Verdantas thanks ACDES for the opportunity to assist with this project

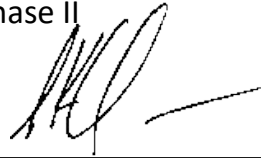
FISCAL OFFICER'S CERTIFICATE

5705.41 O.R.C.

The undersigned, County Auditor of Ashtabula County, hereby certifies that the amount required to meet the obligations of the County during the 2025, under the Agreement, has been lawfully appropriated for that purpose, and is in the Treasury of the County or in the process of collection to the credit of the following funds:
6002.001.155-601

In the contract amount of \$52,170 for year 2025.

Agreement Title: NE Regional Design Plans for Phase II



Scott Yamamoto, Ashtabula County Auditor

Contact: Doug Starkey, ACDES Director

Date: October 3, 2025