



TOWNSHIP OF WEST ORANGE

25 Lakeside Avenue, West Orange, New Jersey 07052

DEPARTMENT OF PUBLIC WORKS

Engineering Division

ROBERT PARISI
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October 12, 2022

Andrew Cangiano
Greenman-Pedersen, Inc.
301 Gibraltar Drive, Suite 2A
Morris Plains, NJ, 07950

RE: **REQUEST FOR PROPOSALS**
PROFESSIONAL ENGINEERING AND
LAND SURVEYING SERVICES FOR:
DECOMMISSION OF KORWEL PUMP STATION
FOR NEW GRAVITY SEWER MAIN

Dear Mr. Cangiano,

The Engineering Division of the Department of Public Works for the Township of West Orange requests proposals from firms providing Engineering and Land Surveying Services, which are capable of conducting and preparing the necessary locations, survey maps, easements, legal descriptions, permitting and engineering plans for the decommission of Korwel Pump Station. The following professional services are required for the proposed improvements:

1. Land Surveying Services:

- A. Boundary and Topographic Survey for lots 14, 14.01, 59.01 and 59 in Block including utilities for decommissioning pump station and to construct propose gravity sewer main;
- B. Establish horizontal control based on North American Datum 1983 (New Jersey State Plane Coordinate System-NAD 83) and North American Vertical Datum 1988 (NAVD 88);
- C. Coordination and preparation of temporary construction easements as necessary for

- the propose gravity sewer main;
- D. Legal descriptions for temporary construction easements;
- E. Coordination and prepare of permanent sanitary sewer easements as necessary for the propose gravity sewer main;
- F. Legal descriptions for permanent easements;
- G. Benchmark(s) (min. of 3) to be set for future use;
- H. Existing conditions/Survey Control plan;
- I. Coordinate utility markouts;

As part of the deliverables, an electronic AutoCAD file of the Boundary and Topographic Survey is to be provided to our Engineering Division.

2. Civil Engineering Services:

- A. Design for decommissioning the existing pump house/station and replace with 8-inch diameter sanitary trunk sewer;
- B. Prepare Treatment Works Application (TWA) application for permit to construct and operate the proposed sewer main and the decommissioning of the pump station is to be included under that permit;
- C. Design and prepare contract drawings for decommissioning the pump station and construction of new sanitary sewer main;
- D. Prepare an application for the Hudson-Essex-Passaic Soil Conservation District (HEPSCD) since the project will result in a land disturbance of more than 5,000 square feet;
- E. Coordination with property owner at Lot 14 for tying existing pressure line to propose gravity sewer main;
- F. Plan Set to include but not limited to Cover Sheet, Existing Conditions/Survey Control Plan, Demolition Plan, Construction Plan, Grading and Utility Plan, Profiles, Soil Erosion and Sediment Control Plan and Details, and Construction Details;
- G. Include four (4) meetings with the Township Officials for Kickoff, Coordination with other parties involved as necessary, Preliminary Design, and Final Design;
- H. Bid Package that includes bid set of plans and construction specifications in accordance with public bidding laws;
- I. Bidding documents (plans and specifications) are to be part of the deliverables to the Township via AutoCAD, hard copy and PDF files.

3. Construction Administration Services:

Provide separate lump sum cost for construction administration services based on full-time inspection.

Construction Plans and Tax Map for the proposed improvements are enclosed.

The cost of services shall be for professional engineering and land surveying services for the complete scope of the work including labor and materials for providing deliverables such as maps,

easements, AutoCAD format file and a complete design and bid package including cost estimates, plans, specifications and bid documents (twenty copies) for bidding purposes including detour plans. All plan specifications and bid documents shall be in conformance with the latest New Jersey Department of Transportation specifications. Proposals shall be on a lump sum basis. Hourly rates shall be submitted with all proposals for any additional work.

It is the intent of this office to conduct the scope of services by Winter 2023. Proposals shall be submitted in writing on or before 10:00 A.M. Thursday, October 27th, 2022 to the Department of Public Works, 25 Lakeside Avenue, West Orange, NJ 07052 and shall include a specified completion date or number of days required for completion of the work after approval is granted to proceed. Also, evidence of proper insurance shall be submitted for approval by the Township Attorney.

Very Truly yours,

Leonard R. Lepore

Leonard R. Lepore, Municipal Engineer
Director of Public Works

LRL/zyc