

RESOLUTION 2023 – 78

**A RESOLUTION OF THE MAYOR AND COUNCIL OF THE BOROUGH
OF MOUNT ARLINGTON, COUNTY OF MORRIS, STATE OF NEW JERSEY,
AUTHORIZING A RESERVE FOR PRELIMINARY EXPENSES FOR THE
PROFESSIONAL ENGINEERING SERVICES FOR HOVER DRIVE AND
FLOYD DRIVE WATER AND SEWER MAIN EXTENSION PROJECT**

WHEREAS, the Borough of Mount Arlington has received a proposal for professional services from Borough Engineer CP Engineers, LLC, dated February 1, 2023, regarding services for Water and Sewer Mains Extension on Hover Drive and Floyd Drive; a copy of which is attached to this resolution and incorporated herein; and

WHEREAS, the proposals are for professional engineering services for Hover Drive and Floyd Drive Water and Sewer Main Extension Project.

NOW, THEREFORE, BE IT RESOLVED, by the Mayor and Council of the Borough of Mount Arlington, County of Morris, State of New Jersey, that the amount of \$50,000.00 from the Capital Improvement Fund be utilized to set up a Reserve for expenses for the professional engineering services for the Hover Drive and Floyd Drive Water and Sewer Main Extension Project.

I HEREBY CERTIFY this to be a true and correct Resolution of the Mayor and Council of the Borough of Mount Arlington and adopted on April 4, 2023.



Matthew N. Bansch, Borough Clerk



11 Park Lake Road
Sparta, New Jersey 07871
Phone (973) 300-9003
Fax (973) 300-4003
www.cpengineers.com

February 1, 2023

Carolyn Rinaldi – Administrator
Borough of Mt. Arlington
419 Howard Boulevard
Mt. Arlington, New Jersey 07856

Re: Proposal for Preliminary Engineering Services
Hover Drive and Floyd Drive Water and Sewer Mains Extension Project
Mt. Arlington Borough, Morris County, New Jersey

CP Proposal No. 23-073

Dear Ms. Rinaldi:

CP Engineers (CP) is pleased to provide this Proposal for preliminary engineering services to the Borough of Mount Arlington (Borough) for the Hover Drive and Floyd Drive Water and Sewer Mains Extension Project. This project will connect the residents of Hover Drive and Floyd Drive to the Borough's public utilities infrastructure. We thank you for the opportunity to submit this proposal and for allowing CP to provide our services to you.

Background

The Borough is seeking to expand both its water and sewer systems to serve additional residents as well as improve overall system operations. Hover Drive and Floyd Drive are two options to achieve these goals. CP prepared the Hover Drive and Floyd Drive Water and Sewer Feasibility Study, dated June 30, 2021 for the Borough to determine if it is possible to provide water and sewer service to the residents of Hover Drive and Floyd Drive. Based on the Feasibility Study, it would be possible to extend the water and sewer services to Hover Drive and Floyd Drive but additional information would need to be collected in order to properly design the water and sewer services.

For Hover Drive and Floyd Drive, the installation of water service would consist of approximately 1,200 linear feet of eight-inch water main, consisting of 900 and 300 linear feet on Hover Drive and Floyd Drive, respectively. The project will result in 22 new water connections and adds two new hydrants to the water system. As part of the work, the new main on Hover Drive will be connected to the existing hydrant that is on Hover Drive, which is served by a six-inch main located in the drainage easement from McGregor Avenue, to create a loop in the water system.

There is currently a dry sewer main that runs along the center of Hover Drive. This is not connected to any services. It is assumed that this dry sewer meets the requirements per N.J.A.C. Section 7:14A-23.6 and does not need to be replaced. There is no sewer main on Floyd Drive. The project will require approximately 300 linear feet of new eight-inch PVC sewer pipe. Twenty-two new service connections will be installed on Hover Drive and Floyd Drive. As part of the sewer system improvements, the Feasibility Study, identified that a lift station will need to be installed near Hover Drive and Floyd Drive

to convey flow to the nearest gravity manhole, which is located near the intersection of Howard Boulevard and James Drive. The exact location of the lift station will need to be determined. The existing flow and equipment capacities of the gravity sewer, the Cove Road Sanitary Pump Station equipment and the discharge force main from the Cove Road Sanitary Pump Station are to be confirmed.

Scope of Services

The scope of services provided under this proposal is for the preliminary investigations as identified under Task 1 below to begin the design services. Additional tasks, such as engineering design, bid phase services and construction administration, are not included in this proposal.

1. Task 1: Preliminary Investigations

- a. CP personnel and subcontractors will conduct on-site investigations to examine and confirm the current locations and conditions of existing water and sewer infrastructure at proposed interconnection locations.
- b. A geotechnical investigation will be performed, including soil borings in the area of the proposed water and sewer main installation and a resulting geotechnical report, to determine the soil strata characteristics for the installation of the new water and sewer mains.
- c. An underground utility survey will be required to locate and identify any existing utility services within the potential work area. Any identified utilities will be marked-out for a survey technician to capture.
- d. A site survey will be conducted including topography, existing utilities, easements, and right-of-ways to confirm present conditions and allow for proper location of the new proposed water and sewer mains.
- e. A video inspection of the dry sewer in Hover Drive to assess its condition will need to be conducted. This was discussed with Borough personnel as the Borough has existing video inspection equipment. CP will supervise the inspection and review the video to determine the usefulness of the existing dry sewer.
- f. Meetings with the Borough to confirm the scope of the design based upon the results of the preliminary investigations completed under this task.

Upon completion of the above activities, the preliminary and detailed design activities to engineer the water and sewer services would be able to commence. CP will provide a separate proposal for the engineering design, bid and construction administration services once a better understanding of the existing conditions are known.

Clarification

1. The Borough will provide the video inspection equipment and personnel to operate said equipment in order to video inspect the existing dry sewer. Should the Borough not be able to provide the equipment, CP will coordinate and contract with a closed-circuit television

inspection contractor to perform the service. This would be charged as an extra to this proposal.

2. The scope excludes historic or archeological assessments, surveys, or coordination with the New Jersey Register of Historic Places.

Cost

Based on the foregoing, CP proposes to perform this preliminary investigation work on a lump sum basis with a not-to-exceed budget of **\$50,000.00**. CP will bill the Borough once a month on a percent complete basis.

Schedule

CP is prepared to begin work immediately upon your authorization.

Authorization

CP proposes to perform these services under the terms and conditions of our current agreement. If this proposal meets with your approval, kindly indicate your acceptance by providing a resolution incorporating this proposal as reference or by signing and returning a copy of this document to our office.

Please feel free to call me with any questions or comments.

Very truly yours,

CP ENGINEERS



Stanley G. Puszcz, P.E., BCEE, C.M.E.
President

Accepted this 4th day of April, 2023

By (Signature): 

By (Printed): Michael Stanzilis

Title: Mayor