ORDINANCE NO.: 01-19

AN ORDINANCE OF THE MAYOR AND COUNCIL OF THE BOROUGH OF MOUNT ARLINGTON, COUNTY OF MORRIS AND STATE OF NEW JERSEY, AUTHORIZING AND APPROPRIATING $108,163.00 FOR EDGEMERE AVENUE DRAINAGE PROJECT

WHEREAS, the Mayor and Council for the Borough of Mount Arlington desires to complete the Edgemere Avenue drainage project; and

WHEREAS, the cost of said improvements is estimated to be $108,163.00; and

WHEREAS, in order to finance the expenditures associated with the Edgemere Avenue Drainage Project, including but not limited to, all activities associated with the construction; the design and implementation of all necessary measures; and issuance of Request for Proposals the Borough Engineer has provided the estimated cost for the project. The Borough authorizes the appropriation and expenditure of $108,163.00 from the Capital Improvement Fund; and

WHEREAS, the Borough Engineer and the Borough Chief Financial Officer recommends the Mayor and Council for the Borough of Mount Arlington authorize the appropriation.

BE IT ORDAINED, by the Mayor and Council of the Borough of Mount Arlington, County of Morris and State of New Jersey as follows:

Section 1: The improvement and purpose described in Section 3 of this ordinance is hereby authorized as a general improvement to be made or acquired by the Borough of Mount Arlington, County of Morris, New Jersey (hereinafter referred to as the "Borough"). For the said improvement or purpose stated in Section 3 of this ordinance, there is hereby appropriated $108,163.00, said sum being inclusive of all appropriations heretofore made therefor.

Section 2: The improvement hereby authorized and the purpose for the financing of which said obligations are to be issued is as follows:

The completion of the Edgemere Avenue Drainage Project, including but not limited to, all activities associated with the construction; the design and implementation of all necessary measures; and issuance of Request for Proposals. For the said improvement or purpose stated in this Section, there is appropriated $32,163.00 from the Capital Improvement Fund.

Section 3: The improvement authorized is expenditures associated with the completion of the Edgemere Avenue Drainage Project, including but not limited to, all activities associated with construction costs; the design and implementation of all necessary measures; and Request for Proposals.

The following additional matters are hereby determined, declared, recited and stated:

(a) The purpose described in Section 2 of this ordinance is not a current expense and is property or an improvement which the Borough may lawfully acquire or make as a general improvement having a period of usefulness of at least five (5) years and no part of the cost thereof has been or shall be specially assessed on property benefitted thereby.

(b) Amount not exceeding $32,163.00 in the aggregate for interest on said obligations, costs of issuing said obligations, engineering costs, legal fees and other items of expense listed and permitted under N.J.S.A. 40A:2-20 of the Law may be included as part of the costs of said improvement and are included in the foregoing estimates thereof.

Section 4: Any grant or other moneys received for the purposes described in Section 3 hereof in addition to the funds expressly appropriated in Section 2 hereof, shall be applied to direct payment of the cost of the improvement.

Section 5: The Capital Budget of the Borough is hereby amended to conform with the provisions of this Ordinance to the extent of any inconsistency herewith. The resolution in the form promulgated by the Local Finance Board of the New Jersey Department of Community Affairs showing full detail of the amended capital budget and capital program as approved by the Director of the Division of Local Government Services, is on file with the Borough Clerk and is available for public inspection.

Section 6: The provisions of this Ordinance are severable. To the extent any clause, phrase, sentence, paragraph or provision of this Ordinance shall be declared invalid, illegal, or unconstitutional, the remaining provisions shall continue in full force and effect.

Section 7: To the extent that any previous Ordinance or resolutions inconsistent with or contradictory hereto, said Ordinance or resolution is hereby repealed or amended to the extent necessary to make it consistent herewith.

Section 8: This ordinance shall take effect after final adoption and publication in the manner provided by law.

I HEREBY CERTIFY this to be a true and correct Ordinance of the Mayor and Council of the Borough of Mount Arlington, introduced on January 15, 2019; and will be further considered after a public hearing held on February 5, 2019 at the Municipal Building at 7:00 p.m.

Attest:

BOROUGH OF MOUNT ARLINGTON

Linda DeSantis, RMC, Borough Clerk

Michael Stanzilis, Mayor
Borough of Mount Arlington

35 Sparta Avenue
Sparta, New Jersey 07871
Phone (973) 300-9003
Fax (973) 300-4003
www.cppsc.com

October 17, 2018
VIA EMAIL: crinaldi@mtarlingtonboro.com

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

Re: Proposal for Professional Engineering Services - Revised
45 Edgemere Avenue Drainage Design and Easement
Block 10, Lot 73
Borough of Mt. Arlington, Morris County, New Jersey
CP File No. 576C003

Dear Ms. Rinaldi:

CP Engineers, LLC (CP) is pleased to provide this Proposal for professional engineering services to the Borough of Mount Arlington for the design of drainage system upgrades and the preparation of the associated easement at 45 Edgemere Avenue, Block 10, Lot 73, in the Borough of Mount Arlington. The property is traversed by an existing drainage ditch that carries roadway runoff from Edgemere Avenue toward property owned by Morris County with the eventual discharge into Lake Hopatcong. An existing inlet on the north side of Edgemere Avenue discharges to the ditch, via an existing corrugated metal pipe (CMP).

The proposed project is for the replacement the existing CMP with a more durable High Density Polyethylene Pipe (HDPE) and continue the HDPE pipe to the rear property line, thereby eliminating the existing ditch. The reconfigured stormwater infrastructure is proposed to be within a newly created drainage easement that will run along the east property line, to the extent practical. CP will design the new stormwater infrastructure to accommodate the stormwater runoff directed to the system from the 25-year design storm. We will coordinate with our survey subcontractor, the homeowner and the Borough Attorney in the preparation of the requisite stormwater utility easement for the project and prepare the applicable construction documentation (plans and specifications) for bidding purposes. The proposed project scope of services is as follows:

Scope of Services

Task 1 – Preliminary Engineering

This task includes the effort that had been put forth prior to the preparation of the proposal. This effort was required to understand the issue to be resolved, to establish the scope of work required to resolve

the issue, and to coordinate with interested entities. Interested entities include local utilities and immediate residents, but in this case also included the Morris County Parks Department.

Task 2 - Survey and Base Mapping

CP, along with our survey subcontractor, will perform a boundary and existing conditions survey for the purposes of reconstruction and reconfiguring of the stormwater infrastructure on-site. The survey will include the identification of all stormwater infrastructure on-site and nearby off-site that is relevant to the design of the revised stormwater system for this site. Site topography will also be obtained for use in the project design. The survey will be utilized by CP to prepare the base map of the project site.

Task 3 – Drainage Design and Preparation of Contract Documents

This task involves the analysis of the "upstream" drainage area impacting the project site and the design of the stormwater infrastructure to accommodate the 25-year stormwater runoff from the drainage area. CP will also prepare plans and specifications for the project, based upon the results of the drainage analysis and the regulatory requirements impacting the system design.

CP will also coordinate the design with the Morris County Parks Department as the discharge point of the new piping system will be toward County property, similarly to the current ditch discharge.

Task 4 – Easements

This task involves the coordination and preparation of the requisite easement documents (survey and easement description) for the filing of a stormwater easement with the Morris County Clerk. CP and our survey subcontractor will prepare the easement survey and easement description for use by the Borough's attorney in their filing submission. Additionally, CP will meet with and coordinate with the property owner, Borough attorney and other Borough representatives during the design process and the preparation of easement documents.

Task 5 – Bidding and Award

CP will coordinate with the Borough during the bidding and award phase of the project, to consist of the following:

A. Coordinate the reproduction of Contract Documents and provide copies of same to the Borough for distribution to prospective bidders.

B. Log and respond to bidder questions.

C. Conduct Pre-Bid Meeting and prepare minutes thereof.

D. Prepare and distribute meeting addenda, as necessary.

E. Conduct the bid opening and canvass all bids to ensure all bidding laws and requirements have been satisfied.

F. Review bids, conduct qualification and experience reviews, and recommend award of the Contract.

G. After direction by the Borough, CP will issue the Notice of Award, review of all bonds and insurances, and issue the Notice to Proceed.

Task 6 – Construction Observation and Administration

This task involves the inspection of the stormwater infrastructure installation and the administration of the construction phase of the project. CP will provide construction observation and administration services as follows:

A. Coordinate and conduct the preconstruction meeting, prepare and distribute minutes thereof.

B. Review and comment on or approve Contractor's construction progress schedule, schedule of shop drawings, warranty and sample submittal schedules, and the contract schedule of values and cost breakdowns.

C. Review and comment on Contractor's proposed construction sequencing plan to insure the best interests of the Borough are met.

D. Review and comment on or approve proposed subcontractors, materials, and equipment to be utilized by Contractor.

E. Provide Contractor with paper copies and/or AutoCAD files of the Contract Drawings for the Contractor's use in maintaining a set of Record Drawings, to be turned over to the Engineer, as required in the Contract Documents. Maintain record of all field changes for incorporation into Record Drawings.

F. Review of shop drawings and submissions; issue comments on and/or approval of all submissions.

G. Review and analyze material test results for compliance with contract acceptance values.

H. Review all product warranties, supplier's certificates, and laboratory test results to determine conformance with the Contract Documents.

I. Review and comment on Contractor's proposed method for maintaining facilities and site access during construction.

J. Review Contractor's proposed excavation and dewatering procedures, as applicable.

K. Prepare Final Record Drawings which reflect actual construction under the contract.

L. Provide part-time inspection to properly observe all activities associated with the construction. Prepare daily inspection reports and maintain a filing system for all reports.

M. Conduct construction progress meetings as required, prepare and distribute minutes of meetings.

N. Review and comment on all requests by Contractor.

O. Witness all field tests.

P. Coordinate and resolve unacceptable work with the Contractor and Borough, as allowed for in the Contract Documents.

Q. Review and certify Payment Requisitions and provide recommendations for payment.

R. Coordinate issuance of all required project change orders, assist in determining the value of the change in work and the negotiating of the associated changes in contract time and costs, and certification of change order as applicable.

S. Provide all required recommendations, inspections, reports and certifications associated with the Contract general conditions; e.g. partial utilization, substantial completion, final acceptance, suspension or termination of work, dispute resolution.

T. Certify to the Borough that the Contractor has completed the work in accordance with the Contract Documents.

Cost

Based on the foregoing, CP proposes to perform this work for a time and expense basis with a not to exceed budget noted below. CP will bill the Borough on a monthly basis. The overall "not to exceed" fee is derived from the following breakdown of cost per task:

Task 1 – Preliminary Engineering	$	2,500.00
Task 2 - Surveying and Base Mapping	$	4,300.00
Task 3 – Drainage Design and Preparation of Contract Documents	$	6,000.00
Task 4 – Easement	$	4,000.00
Task 5 – Bid and Award	$	1,750.00
Task 6 – Construction Observation and Administration	$	10,500.00
Total Budget	**$**	**29,050.00**

Clarifications

1. The scope of services does not include regulatory application fees which will be the responsibility of the Borough.
2. This scope does not include investigations (other than those specifically identified above) to determine if environmental issues are present.
3. The "not to exceed" amount refers to the Total Budget. The amounts presented per task are approximate and for informational purposes only.

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 signing and returning a copy of this document to our office.

Should there be any questions or comments, please contact the undersigned.

Very truly yours,
CP ENGINEERS, LLC

Stanley G. Puszcz, P.E., BCEE, C.M.E.
Managing Partner

Thomas Lemanowicz, P.E., P.P., C.M.E.
Civil/Municipal Group Leader

SGP/dc

Accepted this _____ day of _____, 2018

By (Signature): _____

By (Printed): _____

Title: _____

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CP PROFESSIONAL SERVICES

45 Edgemere Avenue
Drainage Upgrades
Borough of Mount Arlington

1/9/19

ITEM #	DESCRIPTION	UNIT	UNIT COST	QUANTITY	TOTAL COST
1	MOBILIZATION	LS	$10,000.00	1	$10,000.00
2	SOIL EROSION & SEDIMENT CONTROL	LS	$1,500.00	1	$1,500.00
3	FINAL CLEANUP	LS	$2,500.00	1	$2,500.00
4	CLEARING SITE	LS	$15,000.00	1	$15,000.00
5	EXCAVATION, UNCLASSIFIED	CY	$15.00	110	$1,650.00
6	EXCAVATION, ROCK	CY	$250.00	1	$250.00
7	DENSE-GRADED AGGREGATE BASE COURSE,6" THICK	SY	$12.00	10	$120.00
8	HIMA MILLING, 3" OR LESS	SY	$12.00	10	$120.00
9	HMA SURFACE COURSE, 9.5M64, 2"	TON	$110.00	2	$220.00
10	HMA BASE COURSE, 19.5M64, 4"	TON	$120.00	4	$480.00
11	18" REINFORCED CONCRETE PIPE	LF	$95.00	170	$16,150.00
12	STORM MANHOLE - DEEP	UNIT	$7,500.00	1	$7,500.00
13	TOPSOILING, 4" THICK	SY	$10.00	600	$6,000.00
14	FERTILIZING, SEEDING, AND MULCHING, TYPE "1"	SY	$3.00	600	$1,800.00

CONSTRUCTION COST SUBTOTAL:	$63,290.00
20% CONTINGENCY:	$12,658.00
ENGINEERING:	$29,050.00
LEGAL:	$3,164.50
TOTAL BUDGETARY ESTIMATE:	$108,162.50