

**A RESOLUTION OF THE TOWNSHIP COUNCIL OF NORTH BRUNSWICK  
AUTHORIZING A CHANGE IN SCOPE TO  
THE PROFESSIONAL SERVICE AGREEMENT WITH CME ASSOCIATES  
APPOINTED AS THE 2021 TOWNSHIP CONSULTING ENGINEERING FIRM  
TO INCLUDE CONSTRUCTION ADMINISTRATION PHASE SERVICES FOR THE  
LIVINGSTON AVENUE WATER SYSTEM IMPROVEMENT PROJECT**

**WHEREAS**, the Township is the owner and operator of its municipal sewer distribution system which includes the *Mile Run Interceptor*, which is over 60 years old; and

**WHEREAS**, the Mile Run Interceptor pipeline, transmits over 90 percent of the municipal wastewater flow from the Township to the Middlesex County Utility Authority for treatment; and

**WHEREAS**, in 2012, pursuant to Resolution 293-10.12, as part of the Township's review of the Mile Run Interceptor pipeline, CME Associates was engaged to perform a land survey and prepare record drawings to reflect the existing sewer manhole locations, pipe sizes and invert elevations; and

**WHEREAS**, in April of 2013, pursuant to Resolution 117-4.13, CME Associates was also engaged to assist the Sewer Division in assessing the condition of the Mile Run Interceptor; and

**WHEREAS**, in April of 2013, pursuant to confirming Resolution 202-7.13, the Sewer Division, while reviewing the line identified a section of the pipe had collapsed in the vicinity of 127 Georges Road, and J.Fletcher Creamer and Son, Inc. was engaged to provide emergency repairs to 310-feet of the failed section of 24-inch asbestos concrete piping; and

**WHEREAS**, in February of 2014, pursuant to Resolution 68-2.14, subsequent to the emergency repair, Stantec Engineering was engaged to provide design through construction oversight services for the next 690-feet of 24-inch asbestos concrete piping, downstream from the emergency repair, in the vicinity of Georges Road to Commercial Avenue, including improvements to five existing manholes; and

**WHEREAS**, in June of 2017, pursuant to Resolution 159-6.17, P&A Construction was awarded contract BID17012 to replace the 690-feet of 24-inch asbestos concrete piping, including manholes; and

**WHEREAS**, in August of 2019, pursuant to Resolution 222-8.19, T&M Associates was engaged to assist the Sewer Division to perform an extensive review of the Mile Run Interceptor pipeline, and provided a report which included approximately 17,200-feet of the Mile Run Interceptor line, in 24-inch to 36-inch diameter, with sections made in concrete, ductile iron and asbestos concrete; and

**WHEREAS**, in 2020, CME Associates reviewed the report and provided an evaluation and recommendation based on T&M Associates findings which includes the rehabilitation of two sections of the pipeline; and

**WHEREAS**, the Township of North Brunswick filed a loan application with the New Jersey Department of Environmental Protection (NJDEP) for Finance Assistance through the New Jersey Infrastructure Bank (NJ I-Bank) Financing Program for this Project; and

**WHEREAS**, in February of 2021, pursuant to Resolution 64-2.21, CME Associates was engaged to provide professional services associated with the Mile Run Interceptor Rehabilitation Project in the amount of \$143,434.00 for survey, design and permitting services; and

**WHEREAS**, as part of the NJ I-Bank application the costs for the construction administration phase of the project must be authorized prior to the solicitation for bids, and therefore CME Associates has been requested to provide a proposal for services associated with the construction phase for the Mile Run Interceptor Rehabilitation Project; and

**WHEREAS**, in January of 2021, pursuant to Resolution 10-1.21, CME Associates, of 3141 Bordentown Avenue, Parlin, NJ 08959, was authorized to provide engineering consulting services for calendar year 2021, as awarded under a fair and open contract process, pursuant to the provisions of N.J.S.A. 19:44A-20.1 et seq.; and

**WHEREAS**, CME Associates current agreement includes the following:

- General engineering services in an amount not-to-exceed \$100,000.00,
- Amendment 1 → Professional services associated with the Mile Run Interceptor Rehabilitation Project, in the amount of \$143,434.00,
- Amendment 2 → Construction phase services associated with the Livingston Avenue Sewer Line Replacement Project for an estimated cost not-to-exceed \$216,000.00,
- Amendment 3 → Water Infrastructure Needs Survey, in the amount of \$4,925.00,
- Amendment 4 → Alternatives Analysis for the Water Treatment Plant Process, with a cost in the amount of \$14,952.00,
- Amendment 5 → Construction Phase Services for the 2021 Road Program based upon the April 19, 2021 proposal, for an amount not-to-exceed \$374,170.00,
- Amendment 6 → Construction Phase Services associated with the Livingston Avenue Water Line Replacement Project for an estimated cost not-to-exceed \$439,671.00; and
- Amendment 7 → General engineering services in an amount not-to-exceed \$50,000.00 and a revised contract authorization amount of \$1,343,152.00.

**WHEREAS**, compensation for requested services associated with the Mile Run Interceptor Rehabilitation Project shall be based upon the August 25, 2021 proposal submitted by CME Associates, to be paid upon submission of monthly invoices, with an amount not-to-exceed \$178,980.00, and a revised contract authorization amount of \$1,522,132.00.

**NOW, THEREFORE, BE IT RESOLVED** on this 13<sup>th</sup> day of September 2021, that the Township Council of the Township of North Brunswick does hereby authorize the Mayor to execute and the Township Clerk to witness an amendment to the current agreement with CME Associates, to include construction phase services associated with the Mile Run Interceptor Rehabilitation Project for an estimated cost not-to-exceed \$178,980.00, and a revised contract authorization amount of \$1,522,132.00.

**BE IT FURTHER RESOLVED** notice of this action shall be published in the Home News & Tribune as required by law within 10 (ten) days after its passage

**CERTIFICATION**

I, Cavel Gallimore, Chief Financial Officer of the Township of North Brunswick, hereby certify that funds in the following account totaling \$178,980.00 are available under Contract PRO21052:

\$178,980.00 are available in the FY2021 Sewer Capital 20-08 account C-08-55-C20-200-901

\_\_\_\_\_  
Cavel Gallimore  
Chief Financial Officer

\_\_\_\_\_  
Eric Chaszar  
Director of Public Works

\_\_\_\_\_  
Justine Progebin  
Business Administrator

\_\_\_\_\_  
Ronald Gordon, Esq.  
Township Attorney  
Approved as to legal form

**RECORDED VOTE:**

COUNCIL MEMBER	YES	NO	ABSTAIN	NOTES
MEHTA				
LOPEZ				
GUADAGNINO				
ANDREWS				
DAVIS				
SOCIO				
MAYOR WOMACK				

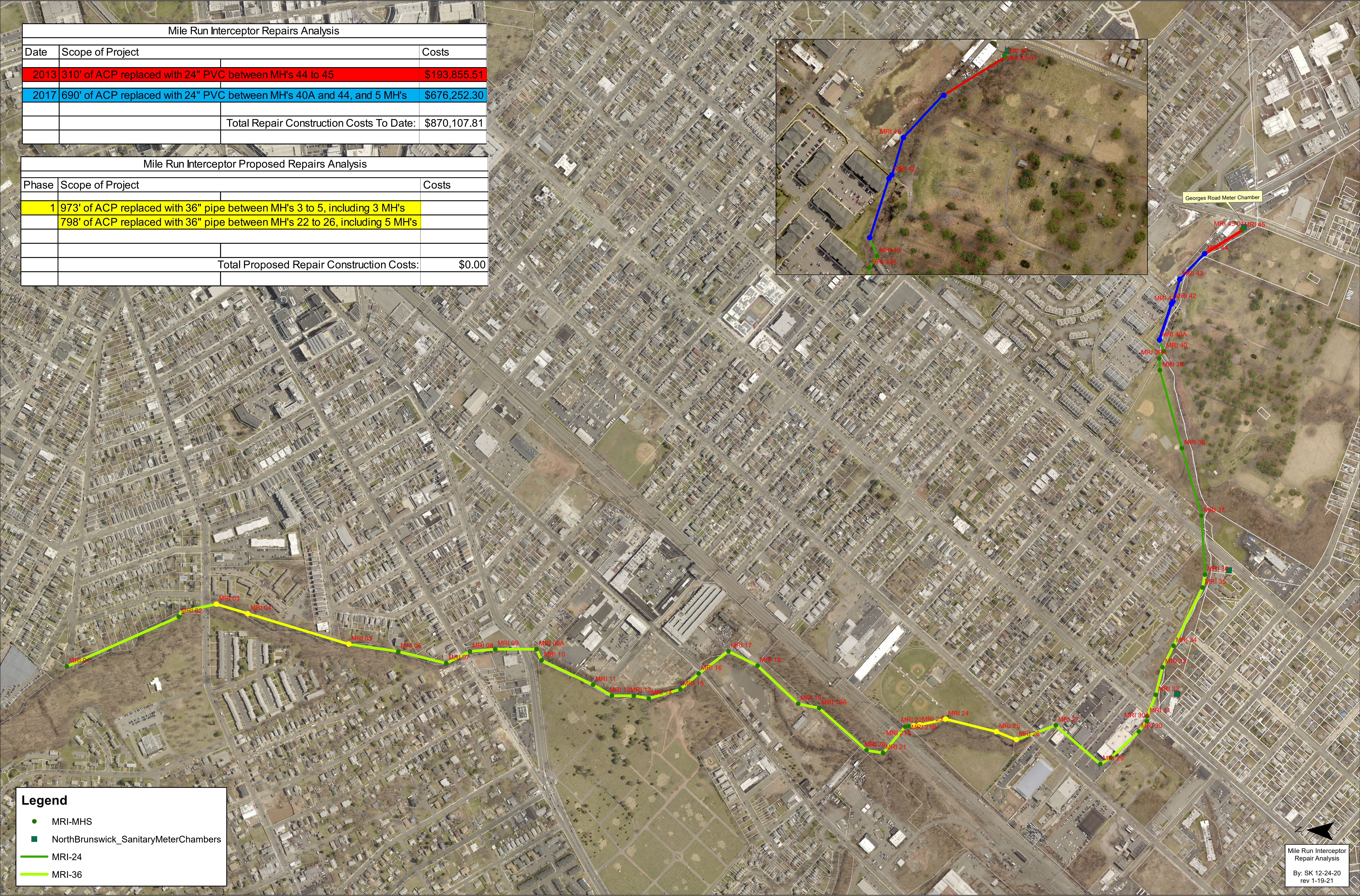
I hereby certify that the above Resolution was duly adopted by the Township Council of the Township of North Brunswick, County of Middlesex, at its meeting held on September 13, 2021.

\_\_\_\_\_  
Lisa Russo  
Township Clerk



Mile Run Interceptor Repairs Analysis			
Date	Scope of Project		Costs
2013	310' of ACP replaced with 24" PVC between MH's 44 to 45		\$193,855.51
2017	690' of ACP replaced with 24" PVC between MH's 40A and 44, and 5 MH's		\$676,252.30
	Total Repair Construction Costs To Date:		\$870,107.81

Mile Run Interceptor Proposed Repairs Analysis			
Phase	Scope of Project		Costs
1	973' of ACP replaced with 36" pipe between MH's 3 to 5, including 3 MH's		
	798' of ACP replaced with 36" pipe between MH's 22 to 26, including 5 MH's		
	Total Proposed Repair Construction Costs:		\$0.00







**DRAFT**

August 27, 2021

Ms. Justine Progebin  
Business Administrator  
Township of North Brunswick  
710 Hermann Road  
North Brunswick, NJ 08902

**Re: Proposal for Professional Engineering Services  
for the Mile Run Interceptor Rehabilitation  
CME File No. PNO00343.02**

Dear Ms. Progebin:

Thank you for considering our Firm for the above referenced work and allowing us to submit this proposal for Construction Phase Services associated with the proposed Mile Run Interceptor Rehabilitation Project for the Township of North Brunswick.

**Introduction**

We understand that the Scope of the Proposed Improvements generally includes the rehabilitation of a portion of the existing Mile Run Interceptor from Manhole MRI 03 to MRI 05 and from Manhole MRI 22 to MRI 26. Based upon our review of the RedZone Robotics inspections and discussions with the Township, the scope of work for the Rehabilitation of the Mile Run Interceptor from Manhole MRI 22 to MRI 26 will include replacement of approximately 760 lf of the existing 36-inch diameter interceptor and the lining of approximately 960 lf of the Interceptor from Manhole MRI 03 to MRI 05.

It is our understanding that the Township will be receiving funding for the sanitary sewer improvements through the New Jersey Environmental Infrastructure Trust (NJEIT) and accordingly, the Scope of Services has taken into consideration the requirements of the NJEIT. Our proposal has considered the elements required to provide the Construction Phase Services and our Firm has the capabilities of providing the necessary engineering and field observation services associated with the Project.

**CONSTRUCTION PHASE SERVICES**

We will provide the following services in conjunction with this phase of the Project:



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Township of North Brunswick  
Re: Mile Run Interceptor Rehabilitation

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### Construction Administration

- Provide general communication with the Township and Contractor throughout the duration of construction regarding such issues as progress, submittal status, construction issues and their resolution.
- Provide communication and correspondence with the NJDEP.
- Maintain project files as required for periodic inspection by the NJDEP.
- Conduct pre-construction meeting, establish agenda, issue notice to proceed.
- Review and approve Progress Schedule, Schedule of Submittals, Schedule of Values required to be submitted by the Contractor.
- Review shop drawings and other submittals as required to evaluate that the proposed materials and equipment conform to the Contract Documents.
- Coordinate with the Contractor to establish baselines and benchmarks for locating work.
- Review laboratory, shop and mill test reports of materials and equipment.
- Prepare monthly progress reports.
- Prepare record drawings at the completion of the project.
- During the first year of operation, consult with the Township on the operation of the new improvements, revise the O&M Manual to reflect actual operating conditions and experience, advise the Township as to whether the improvements are meeting the project performance standards, confirm project performance standards after one year of operation and undertake corrective actions, as appropriate, if the same fails to achieve compliance with the project performance standards.



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### Construction Inspection/Observation Services

- Provide full time construction observation services during periods when the Contractor is on site to monitor the Contractor's progress and compliance with the Contract Drawings and Specifications, including the Contractor's environmental protection and restoration measures.
- Conduct a weekly (or as agreed to by the Township, Contractor and CME) construction meeting with the Contractor and Township to discuss scheduled activities.
- Prepare daily inspection reports.
- Review monthly payment requests including the final payment request.
- Participate in the review and evaluation of potential change orders, including a detailed review of cost proposals.
- Participate in the resolution of issues involving unforeseen field conditions.
- Witness testing and startup of equipment and systems.
- Coordinate vendor training.
- Prepare punchlist of remaining work items.
- Evaluate substantial and final completion and issue certificates of substantial or final completion as appropriate.
- One year after initiation of operation, the recipient shall certify to the Department the performance record of the project.

### COST PROPOSAL

Our Firm has the capabilities of providing the necessary engineering and field observation services associated with the Project and we have estimated the cost for said services based upon the required tasks and the anticipated contract completion time.



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Accordingly, we find that the necessary office engineering and field observation services can be provided for an estimated cost not to exceed \$178,980.00.

### SUMMARY

Our hourly rates shall be firm until January 1, 2022 after which they may be subject to re-negotiation. Invoices shall be paid within 30 days of presentation of same. In accordance with State requirements the Township has our Affirmative Action Statement and Business Registration Certificate on file.

Should you have any questions regarding this matter, please do not hesitate to contact this office.

Very truly yours,  
**CME ASSOCIATES**

Michael J. McClelland, P.E.  
Township Engineer

MM/kc

cc: Michael Hritz, Director of Community Development  
Eric Chaszar, Director of Public Works  
Steve Bloyed, DPW Supervisor