

**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
2023 TOWNSHIP CONSULTING ENGINEERING FIRM TO DEVELOP CONCEPT
PLANS FOR IMPROVEMENTS TO THE MUNICIPAL COMPLEX DRAINAGE SYSTEM**

WHEREAS, in January of 2023, pursuant to Resolution 4-1.23, CME Associates, of 3141 Bordentown Avenue, Parlin, NJ 08959, was authorized to provide engineering consulting services for calendar year 2023, 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:

- 2023 Authorization → General engineering services in an amount not-to-exceed \$120,000.00,
- Amendment 1 → Professional services associated with the Design through Bid Phase for the 2024 Road Improvements Program with an amount of \$398,244.00,
- Amendment 2 → Professional services associated with an evaluation of the stormwater system in the vicinity of the Municipal Complex along Hermann Road in an amount not-to-exceed \$37,880.00,
- Amendment 3 → Professional services associated with the design of a new outside foundation slab for the replacement chillers and to investigate possible settlement of the exterior free-standing wall in an amount not-to-exceed \$39,900.00,
- Amendment 4 → Professional services associated with an initial scoping and evaluation of the basement slab using Ground Penetrating Radar (“GPR”) technology in an amount not-to-exceed \$9,990.00,
- Amendment 5 → Professional services associated with preparation of bid documents for an extension of the exterior rear stair wall of the Municipal Complex in the amount of \$29,975.00,
- Amendment 6 → Professional services associated with Construction Phase Services for the 2023 Road Program in an amount not-to-exceed \$265,000.00, and
- Amendment 7 → Professional services associated with the replacement of the two existing sump pumps located within the Mechanical Room of the Municipal Complex in the amount of \$19,236.00, for a revised contract authorization amount of \$920,225.00, and
- Amendment 8 → Professional services associated with Construction Phase Services for the Huron Road Project in an amount not-to-exceed \$198,215.00, with a revised contract amount of \$1,118,440.00.

WHEREAS, Hurricane Ida impacted New Jersey on Wednesday, September 1, 2021, bringing severe weather conditions including strong winds and heavy and sustained rainfall in some areas; and

WHEREAS, the storm caused severe water damage to municipal facilities, infrastructure, vehicles and equipment, including the basement of Municipal Complex which flooded with several feet of water; and

WHEREAS, municipal officials have requested CME Associates to provide a proposal to develop concept plans for Municipal Complex drainage improvements including an associated stormwater management plan as part of future mitigation efforts; and

WHEREAS, compensation for said services shall be based upon the October 9, 2023 proposal submitted by CME Associates, to be paid upon submission of monthly invoices, for an amount not-to-exceed \$54,444.00, based on the proposal estimate; and

WHEREAS, the engineering services for this project will be funded from existing capital ordinances and shall be eligible for reimbursement under FEMA Mitigation funding.

NOW, THEREFORE, BE IT RESOLVED on this 16th day of October 2023, 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 develop concept plans for Municipal Complex drainage improvements including an associated stormwater management plan in the amount of \$54,444.00, for a revised contract authorization amount of \$1,172,884.00.

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, certify that funds in the following accounts totaling \$54,444.00 are available under Contract PRO23069:

\$54,444.00 are available in Capital Ordinance 22-23 account C-04-55-C22-230-902.

Cavel Gallimore
Chief Financial Officer

Justine Progebin
Business Administrator

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

RECORDED VOTE:

COUNCIL MEMBER	YES	NO	ABSTAIN	NOTES
HUTCHINSON				
GUADAGNINO				
ANDREWS				
DAVIS				
SOCIO				
MEHTA				
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 October 16, 2023.

 Lisa Russo
 Township Clerk



**GENERAL ENGINEERING
AUTHORIZATION FOR PROFESSIONAL SERVICES**

OWNER: Township of North Brunswick

PROJECT: Municipal Building Complex Drainage Improvements and Mitigation – Concept Plan Development

DATE OF REQUEST: October 9, 2023

OUR FILE NO.: PNO00115.02

Description of work: Provide Professional Engineering Services to evaluate and develop conceptual drainage system design improvements and mitigation located in the vicinity of the Municipal Building Complex and Senior Housing Building along Hermann Road including the following tasks:

- Evaluate observations from the September 29th, 2023 site visit with the Township Public Works Director, which involved investigations of drainage conditions from a recent storm event that, based on a cursory desktop evaluation, was found to be an approximate 6-8 hour, 2-year event, based on best available data. It should be noted that the Public Works Director indicated during the visit that the basin near the Senior Housing Building overtopped earlier that morning.
- Review available previously prepared drainage related plans, mapping, studies, and reports for the stormwater systems in the vicinity of the Municipal Building Complex and Senior Housing Building considering the recent storm event observations.
- Advance the hydrologic analysis of the existing stormwater conveyance systems contributing stormwater flows to the Municipal Building Complex and Senior Housing Building stormwater facilities.
- Advance hydraulic analysis of the existing stormwater conveyance systems utilizing Hydraflow Storm Sewers computer software to establish system capacities based on the 25-year design storm, and conceptually design improvements to the stormwater conveyance systems for flood mitigation purposes.
- Advance hydrologic and hydraulic analysis using HydroCAD computer software of the existing Municipal Building Complex and Senior Housing Building basins, and conceptually design improvements to the stormwater management facilities for flood mitigation purposes.



- Evaluate potential sump discharges contributing to the on-site stormwater conveyance and management systems, if necessary.
- Prepare letter report which evaluates the potential flood mitigation improvements located in the vicinity of the Municipal Building Complex and Senior Housing Building. The potential conceptual improvements to be considered are as follows:
 - Upgrades to existing stormwater conveyance and management facilities near the Municipal Building Complex and Senior Housing Building;
 - Redirect flows from Municipal Building Complex Basin to Cedar Avenue storm sewerage system;
 - Consideration of stormwater basins on nearby residential lots along Hermann Road, Willow Avenue, and Locust Avenue;
 - Installation of subsurface stormwater basins beneath the Municipal Building Complex parking areas; and
 - Upgrade conveyance capacities of existing stormwater conveyance systems between the Municipal Building Complex and the Elmwood Place and Willow Avenue intersection.

Based on our evaluation of the potential flood mitigation improvements under consideration, three (3) recommended alternatives will be developed.

- Conceptual design plans will be prepared for the preferred flood mitigation improvement alternative selected.
- Prepare order of magnitude costs associated with the recommended alternatives.
- Prepare flood mitigation report to support supplemental FEMA application for stormwater conveyance and management improvements. The report will include supporting data necessary to demonstrate conformance with applicable FEMA guidelines.

Estimate of Engineering Services: \$54,444.00

Approved:

Township of North Brunswick

Date

CME Associates

Date