

**A RESOLUTION AUTHORIZING A CHANGE IN SCOPE TO
THE PROFESSIONAL SERVICE AGREEMENT WITH CME ASSOCIATES
APPOINTED AS THE 2025 TOWNSHIP CONSULTING ENGINEERING FIRM
FOR PROFESSIONAL SERVICES FOR THE WATER TRANSMISSION MAIN –
SITE INVESTIGATION AND CONCEPT DESIGN**

WHEREAS, the Township of North Brunswick is exploring options to replace the existing water transmission main from the Township Water Treatment Plant located at 782 Canal Road in Franklin Township to the Township Water Distribution System beginning near Route 27 / Finnegan’s Lane in North Brunswick; and

WHEREAS, the existing water transmission main consists of approximately 17,220 feet of 24-inch diameter transite pipe that is over 60-years old, and a new main is necessary to ensure continued reliable water service; and

WHEREAS, the Township has determined the need for professional services for initial site investigation and concept design to facilitate the construction of the new water transmission main, including survey, base mapping, and conceptual design; and

WHEREAS, CME Associates, of 3141 Bordentown Avenue, Parlin, NJ 08959, submitted a proposal dated February 27, 2025, to provide the necessary land surveying and engineering services associated with this project; and

WHEREAS, the proposed services include preparation of boundary and topographic surveys, base mapping, concept drawings, utility coordination, easement mapping, phasing plans, cost estimates, and a Basis of Design Report; and

WHEREAS, the total cost for the Phase I services outlined in the proposal shall not exceed \$172,872.00, based on the following breakdown:

Task 1 – Surveying and Base Map Preparation	\$ 80,780.00
Task 2 – Concept Design	\$ 92,052.00
Phase I Subtotal	\$172,872.00

WHEREAS, in January 2025, pursuant to Resolution 2-1.25, CME Associates was authorized to provide engineering consulting services for calendar year 2025 under a fair and open contract process in accordance with N.J.S.A. 19:44A-20.1 et seq.; and

WHEREAS, the 2025 Professional Services Agreement (PSA) with CME Associates includes the following authorizations in an amount not-to-exceed \$149,922.00:

- General mechanical engineering services in an amount not-to-exceed \$120,000.00; and
- Resiliency Center Project at the Municipal Complex for a not-to-exceed \$29,922.00

NOW, THEREFORE, BE IT RESOLVED, on this 24th day of March 2025, that the Township Council of the Township of North Brunswick hereby authorizes an amendment to the current agreement with CME Associates to include professional services related to the Water Transmission Main – Site Investigation and Concept Design, in an amount not-to-exceed \$172,872.00, for a revised total contract authorization of \$322,794.00; and

BE IT FURTHER RESOLVED that the Mayor is authorized to execute this contract, and the Township Clerk shall attest to the same; and

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 \$172,872.00 are available under Contract PRO25045:

\$172,872.00 are available in Water Capital Ordinance 20-08 account C-08-55-C20-200-901.

Cavel Gallimore
Chief Financial Officer

Michael C. Hritz
Director of Community Development

Justine Progebin
Business Administrator

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

RECORDED VOTE:

COUNCIL MEMBER	YES	NO	ABSTAIN	NOTES
CHEID				
HUTCHINSON				
MEHTA				
DAVIS				
SOCIO				
GUADAGNINO				
MAYOR WOMACK				

I hereby certify that the above Resolution was duly adopted by the Township Council of North Brunswick at a meeting duly held on March 24, 2025.

Lisa Russo
Township Clerk



**Consulting & Municipal
ENGINEERS**

DRAFT

February 27, 2025

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

**Re: Proposal for Professional Services for the
Water Transmission Main – Site Investigation and Concept Design
Our File No.: PNO00466.01**

Dear Ms. Progebin:

Thank you for considering our Firm for the above referenced work and allowing us to submit this proposal for Professional Services associated with the Site Investigation and Concept Design of the water transmission main replacement for the Township of North Brunswick.

INTRODUCTION

We understand that the scope of the proposed improvements generally includes the construction of a new water transmission main from the Township Water Treatment Plant located at 782 Canal Road in Franklin Township to the Township Water Distribution System at Route 27 in North Brunswick. The Township's ten (10) million gallon per day (MGD) potable Water Treatment Plant is located along Canal Road in Franklin Township. Treated water from the Plant is pumped through a single 24-inch diameter water transmission main to the Township's water distribution system. The transmission main connecting the Treatment Plant to the distribution system consists of approximately 17,220 feet of 24-inch diameter transite pipe. From the Plant the transmission main travels southeast along Suydam Road and Claremont Road (Somerset County Road 648), then northeast along Elden Street and then southeast along Clover Place within existing roadways to the intersection of Route 27 and Finnigans Lane where it connects to the Township's water distribution system.

A previous investigation had been performed to review replacement and rehabilitation alternatives of the transmission main. The alternative that was selected includes the construction of a new transmission main located along the general alignment of the existing transmission main. This alternative will allow for the existing main to remain in operation while constructing the new main. Due to the limited available right-of-way and separation requirements between the existing and proposed, this Site Investigation and Conceptual Design phase will be performed to determine the available right-of-way for the new transmission main, identify locations where easements will be required, collect information from utility companies regarding existing utilities and preparation of concept plans.

CONSULTING AND MUNICIPAL ENGINEERS LLC

NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000

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Ms. Justine Progebin, Business Administrator
Township of North Brunswick
Water Transmission Main – Site Investigation and Concept Design

February 27, 2025
Our File No. PNO00466.01
Page 2

Our proposal has considered all the elements of the work outlined above, and our Firm has the capabilities of providing the necessary Land Surveying and Engineering Services associated with the project.

SURVEY, BASE MAPPING AND CONCEPT DESIGN PHASE SERVICES

We anticipate the Surveying, Base Mapping and Concept Design Phase will involve the preparation of the necessary Plans within the specified project limits and will include the following:

TASK 1- SURVEY AND BASE MAPPING

- A boundary survey will be prepared to depict the right-of-way and property lines within the Project limits;
- Topographic survey to be prepared from existing aerial mapping and field edits using traditional ground based topographic methods;
- Project limits of topographic survey is the area in the immediate vicinity of the proposed improvements. The area of proposed improvements is the right-of-way of Suydam Road from Canal Road southeasterly to Middlebush Road, Claremont Road southeasterly to Eden Street, Eden Street northeasterly to Clover Place and Clover Place southeasterly and northeasterly to New Jersey Route No. 27 in Franklin Township;
- The bandwidth of topography will extend 10-feet beyond the right-of-way lines or a maximum of 60-feet;
- Horizontal and vertical control will be established in NAD 1983 horizontal and NAVD 1988 vertical datums based upon GPS derived positions;
- Four (4) pair of horizontal and vertical control points will be established on site for use by others;
- Basemap Plan will be prepared at a scale of 1" = 30'.



Ms. Justine Progebin, Business Administrator
Township of North Brunswick
Water Transmission Main – Site Investigation and Concept Design

February 27, 2025
Our File No. PNO00466.01
Page 3

TASK 2 – CONCEPT DESIGN

With regard to the Concept Design Phase for the Project, we anticipate meeting with representatives of the Township prior to commencing this phase in order to review the project schedule and other preliminary issues.

In addition, we anticipate the design work in this phase will include, but not be limited to, the following:

- Perform field investigation to obtain operating data, verify locations of existing water mains, valves, hydrants and utilities in order to develop base drawings and review proposed improvements with the Township;
- Identify features along the water transmission main alignment including the locations of other existing utilities. Utility location information will be requested from each of the utility companies;
- Preparation of the requirements for Step 2 and Step 3 of the application for funding through the New Jersey Infrastructure Bank;
- Based on locations of environmentally sensitive areas, sections of the transmission main that will require trenchless installation will be identified;
- Prepare conceptual Plan and Profile Drawings for the proposed water transmission main consisting of approximately 17,220 LF. These Drawings will be utilized to determine utility conflicts and locations requiring trenchless installation. Additional access areas may be required due to utility conflicts and trenchless installations;
- Review the location of the existing transmission main while preparing the conceptual Plans;
- Prepare mapping of locations which will require permanent and temporary easement acquisitions for the construction of the transmission main;
- Identify a phasing plan for the construction of the transmission main in which the main can be installed in multiple sections over an extended period of time;
- Prepare an updated cost estimate for the Project including costs per Phase;



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Ms. Justine Progebin, Business Administrator
Township of North Brunswick
Water Transmission Main – Site Investigation and Concept Design

February 27, 2025
Our File No. PNO00466.01
Page 4

- Prepare a Basis of Design Report including the concept Drawings, locations of easement acquisition, phasing plan, cost estimate and permit requirements.

PHASE I - COST PROPOSAL

Accordingly, based upon the above outlined Scope of Services, we find that the necessary Surveying, Base Map preparation and Concept Design can be provided for the estimated cost not to exceed fee indicated below based upon the following breakdown:

Task 1 – Surveying and Base Map Preparation	\$ 80,780.00
Task 2 – Concept Design	<u>\$ 92,052.00</u>
Phase I Subtotal	\$172,872.00

SUMMARY

Our hourly rates shall be firm until January 1, 2026 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.

Our proposal does not include services related to property acquisition, final design, permitting, excavation of test pits or determination of potential contaminants found on the site.

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

Very truly yours,
CME ASSOCIATES

Keith Chiaravallo, P.E.
Township Engineer's Office

KC/md

cc: Michael Hritz, Director of Community Development

Transmission Main:

