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ENGINEERS

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April 30, 2025

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

**Re: Proposal for Professional Services for the
Force Main Improvements in Sabella Park
Township of North Brunswick
Our File No.: 115.NO00345.P00**

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 Force Main Improvements in Sabella Park for the Township of North Brunswick.

INTRODUCTION

We understand the existing Schmidt Lane Pump Station Force Main is a 14-inch ductile iron pipe. The force main originates at the Schmidt Lane Pump Station and travels west where it combines with the existing Princess Drive Pump Station Force Main. A portion of the existing force main is located beneath the existing turf field in Sabella Park, where the Township recently experienced a failure of the pipe and performed an emergency repair.

In response to the force main failure, improvement alternatives have been evaluated in coordination with the Township to identify the most effective approach for upgrades within the Sabella Park project area. The preferred improvements alternative generally includes the rehabilitation of 800 linear feet of existing 14-inch ductile iron pipe beneath and adjacent to the Sabella Park turf field. The improvements will include the installation of a cured-in-place pipe (CIPP) liner, along with force main bypassing in the Sabella Park Project area.

Rehabilitating the force main with CIPP provides several advantages, such as reducing the disturbance area, removing the need for additional property easements, eliminating the requirement for an NJDEP Green Acres permit application, and decreased overall construction duration.

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NJ CERTIFICATE OF AUTHORIZATION NO. 24GA28359000

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The estimated construction cost for the Force Main Improvements in Sabella Park as described above is approximately \$544,000.00.

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.

PHASE I – SURVEY, BASE MAPPING AND DESIGN PHASE SERVICES

We anticipate the Surveying, Base Mapping and Design Phase will involve the preparation of the necessary Construction Plans, Specifications and Bid Documents within the specified Project limits and will include the following:

TASK 1 – SURVEY AND BASE MAPPING

- A. Establish a balanced control survey (traverse) line with recoverable ties. Basis of the horizontal and vertical control will be the New Jersey State Plane Coordinate System, NAD 1983, U.S. Survey Foot, and North American Vertical Datum of 1988, respectively. Permanent points (Capped Rebar, PK Nails, etc.) will be set along the control line. A minimum of two horizontal and vertical control points will be established along the project limits. GPS methodology will be used to establish horizontal and vertical control.
- B. Preparation of a topographic plan, existing conditions, showing natural and manmade features, including: existing above and, where possible, underground utilities, survey baseline (traverse line), spot elevations and contours at an interval of 1.00-foot within and adjacent to the project limits only. Topographic plan will be compiled from field locations and edits. Plan will be drafted at a scale of 1" = 30'.
- C. Underground utility information shall be based upon documents provided by the Township and those utilities that are visible at grade.
- D. The Township shall provide any and all survey, design, as-built or construction drawings regarding the proposed area of topographic survey for use by our office.
- E. CME represents that we are not qualified nor do we accept the responsibility to identify and/or locate unwritten easements, subsurface improvements, underground storage facilities and/or hardware, and/or hazardous materials on or about this site.
- F. Base map will be incorporated into the design set; a separate map of the surveying scope shall not be prepared in hard copy.



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G. Property lines, if any, will be based upon documentation provided by the Township.

H. This scope of work does not include easements, construction support or post-construction asbuilts.

TASK 2 – DESIGN OF IMPROVEMENTS - PLANS AND SPECIFICATIONS

With regard to the Design Phase for the Project, we anticipate meeting with representatives of the Township prior to commencing the design phase in order to review the Project schedule and other preliminary issues regarding the Force Main Improvements in Sabella Park.

In addition, we anticipate the design work in this Phase will include the preparation of the necessary Construction Plans, Specifications and Bid Documents for the specified Scope of Work and will include, but not be limited to, the following:

- Perform field evaluation to obtain operating data, verify the location of the existing force main and utilities in order to develop base drawings and review proposed improvements with the Township. Utility location information will be requested from the utility companies;
- Determine required access locations for the pipe liner installation;
- Review temporary bypass pumping options with the Township;
- Prepare specifications and details for the improvements as well as restoration in accordance with Township requirements as applicable;
- Prepare Bid Documents, including Plans, Details, Specifications and Engineer's Estimate of construction costs.

PHASE II – BID PHASE SERVICES

We anticipate that Bid Phase Services will generally include the furnishing of electronic PDF sets of Plans and Specifications prior to advertisement for Bids, coordination with prospective Bidders during the Bid Period, issuance of any Addenda required, attendance at the bid opening, and the preparation of a report recommending Award of the Project.



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COST PROPOSAL

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

Phase I Survey, Base Mapping and Design Phase Services

| | |
|---|-------------|
| Task 1 – Surveying and Base Map Preparation | \$9,197.00 |
| Task 2 – Design, Plans and Specifications | \$34,564.00 |

Phase I Subtotal: \$43,761.00

| | |
|-------------------------------|------------|
| Phase II – Bid Phase Services | \$7,344.00 |
|-------------------------------|------------|

Project Total: \$51,105.00

ALTERNATIVE PROCUREMENT

The Township may opt to use an alternative procurement method instead of a traditional Bid Phase by selecting a contractor through a cooperative. This approach enables the Township to directly select a qualified contractor and expedite the start of construction using pre-established bid prices set by the cooperative. Costs associated with the utilization of a cooperative have not been included in this Proposal. Should the Township request, we can provide these procurement services in accordance with our Hourly Rate Schedule.

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 Authority has our Affirmative Action Statement and Business Registration Certificate on file.

Right of Way / Easement Acquisitions are not included in this Proposal. Acquisition Mapping and Descriptions can be prepared, if necessary, to facilitate the construction of the proposed improvements as an extra work item subject to the current Hourly Rate Schedule.

Our Proposal does not include services related to preparing NJDEP Green Acres Permitting. If it is determined an alternative design is required to relocate the force main due to unforeseen



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circumstances, requiring Green Acres Permitting, we can provide these services in accordance with our current Hourly Rate Schedule.

Our Proposal does not include services related to obtaining funding from the New Jersey I-Bank. If requested by the Township, we can provide these services in accordance with our current Hourly Rate Schedule.

Our Contract Documents will include wording that requires the Contractor to be responsible for all applicable OSHA and other regulatory agency requirements, as well as safety, construction means and methods, and the usual other requirements that are normally included in our Standard Specifications.

Our Proposal does not include costs associated with permit fees or the preparation of permits other than those listed that may be required for the proposed project.

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

Very truly yours,

CME ASSOCIATES

A handwritten signature in black ink that reads 'James C. Watson'.

James C. Watson, P.E.
Township Engineer's Office

JCW/KC/as

cc: Michael C. Hritz, Director of Community Development



APPROXIMATE
LOCATION OF
EXISTING FORCE
MAIN

ALTERNATIVE 1



CURED-IN-PLACE LINING