



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

March 12, 2019

PREPARED BY:

**REMINGTON & VERNICK ENGINEERS
232 KINGS HIGHWAY EAST
HADDONFIELD, NEW JERSEY 08033
(856) 795-9595
www.rve.com**



ACTION ITEMS

1. NJDOT Local Aid Freight Grant applications have recently been requested by the NJDOT. Council authorized us to prepare an application for Industrial Drive and State Route 122 Intersection Improvements. The application was completed and submitted electronically on January 10, 2019.
2. NJDOT FY 2019 NJDOT Transportation Trust Fund Municipal Aid Applications are now being accepted until October 8, 2018. Since North Boulevard Phase III is currently being reviewed under the LAIF Grant Program, Fifth Avenue from Central to Vulcanite was selected by Council and the application was submitted on September 28, 2018. A confirming resolution was passed by Council at the October 10, 2018 and it has been submitted to the NJDOT. The Borough received \$180,000 in grant money for North Boulevard under the LAIF Grant Program. FY 2019 NJDOT Transportation Trust Fund Municipal Aid Application announcements are expected to be by April 2019.
3. The Leigh Fuel property preliminary assessment (PA) was authorized by Council at the November 28, 2018 meeting and the grant documents have been executed. A site visit was conducted and we performed a desk top survey of the property. The PA is complete and being reviewed internally prior to distribution.
4. The census map is nearing completion and we expect to submit to the Borough for review and comment by March 15, 2019.
5. The Drug Free School Zone map has started and is expected to be completed by the end of March 2019.

ROADWAY AND GENERAL ENGINEERING PROJECTS

1. HOMA LANE DRAINAGE IMPROVEMENTS

ESTIMATED COMPLETION OF DESIGN: To Be Determined
ESTIMATED COMPLETION OF CONSTRUCTION: To Be Determined
ESTIMATED CONSTRUCTION COST: \$250,000
CONTRACTOR: To Be Determined

Field survey including the wetlands delineation is complete. Base plans are complete and we began the hydraulic modeling. A NJDEP pre-application meeting was held on September 26, 2016. Hydraulic design and the plans are complete. The Borough needs to provide the certified property owner list within 200 feet of the project for notification under the NJDEP application requirement. A draft Phase IA study has been completed and will be submitted with the NJDEP application. The Phase IA is recommending a Phase IB but the NJDEP will make that determination. The plans and NJDEP application is complete. The certified property owner list has been completed and sent to our office. The NJDEP applications were submitted to the NJDEP on January 25, 2017. We received comments from the NJDEP on our submitted application and we are addressing the comments. Mitigation requirements are being reviewed by the NJDEP. A meeting occurred with the NJDEP for May 3, 2017 NJDEP to discuss the mitigation. The NJDEP new rule changes will allow the culverts to be replaced under Homa Lane assuming it can be proven Homa Lane overtops during small rain events. This will be a less expensive option for the Borough but will need permission from the Homa's to replace the

culvert. Discussion with the Homa's need to occur to determine if permission will be granted to replace the culvert. A letter was received from The NJDEP and a response was sent from our office requesting the application remain active.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: August 2019

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. Survey has been completed. Existing condition base plans are complete and have been field reviewed. A preliminary layout was prepared and we met with the adjacent property owners to discuss and it was agreed by all a 70 foot ROW will be established. Meets and bounds descriptions are being prepared for the dedication to the Borough. ROW Map and metes and bounds description was completed and sent to the Borough Attorney for deed dedication preparation. We met with Hunterdon Transformer to review the plans and discuss various issues effecting their property ROW is being secured through deeds of dedication by the Borough Attorney. Council authorized RVE to advertise the project for Public Construction Bids at the February 19, 2019 Council Meeting. Warren County SCD application was submitted for approval to the Soil Conservation district. Construction documents are complete and the project will be advertised for bids on March 15, 2019 with bids being received on April 2, 2019 for a possible award at the April 9, 2019 Council Meeting.

3. 2019 ROAD PROGRAM (NORTH BOULEVARD PHASE III AND SOUTH BOULEVARD)

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: To Be Determined

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Survey is scheduled to begin on March 13, 2019.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: April 2018

ESTIMATED COMPLETION OF CONSTRUCTION: To Be Determined

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Preparation of construction documents has begun and is anticipated to be completed near the end of March 2019 for an April 2019 advertisement and construction contract anticipated award.

WATER PROJECTS

1. **FRACE WTP – EFFLUENT METER**
ESTIMATED COMPLETION OF DESIGN: October 2018
ESTIMATED COMPLETION OF CONSTRUCTION: December 2018
ESTIMATED CONSTRUCTION COST: \$25,000
CONTRACTOR: TBD

We met with the contractor to review the manhole shop drawing on 3/8. The modifications to the submitted manhole were discussed along with construction of the manhole to be flush with the parking lot. The manhole and meter are being ordered. It is anticipated that all materials and equipment will be available to be installed in 4 weeks.

2. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

We have reviewed the restoration requirements required by Pohatcong with the Borough including permit fees. Checks for the required permit and escrow fees will be provided to Pohatcong upon issuing by the Borough.

3. **TREATMENT PLANT – REDUNDANCY DESIGN**
ESTIMATED COMPLETION OF DESIGN: Complete
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: \$190,000.00 (negotiated price)
CONTRACTOR: Pact Two Construction

The plant has been running, backwashing and completing startup without oversight.

4. **NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT**
ESTIMATED COMPLETION OF DESIGN: November 2017
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

We are currently working with the NJDEP to reduce sampling and testing at the landfill. The Disruption Permit Application is being completed and will be provided to the Borough for review on 3/15.

5. **FRACE WTP – BACKWASH PIPING MODIFICATIONS**
ESTIMATED COMPLETION OF DESIGN: April 2019
ESTIMATED COMPLETION OF CONSTRUCTION: July 2019

ESTIMATED CONSTRUCTION COST: TBD based upon selected orientation
CONTRACTOR: TBD

We have reviewed the updated conceptual layouts with the Borough. The selected orientation will be to install the equipment in a vault in the parking lot. We are proceeding with the design for review of documents by the Borough by mid-March.

6. **GENERATOR AIR PERMITS**
ESTIMATED COMPLETION OF DESIGN: November 2018
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

Permits have been assembled and are awaiting submission by the Borough.

SANITARY PROJECTS

1. **SANITARY METER VAULT INSTALLATION**
ESTIMATED COMPLETION OF DESIGN: July 2018
ESTIMATED COMPLETION OF CONSTRUCTION: 30 Days upon issuing Notice to Proceed
ESTIMATED CONSTRUCTION COST: \$40,000
CONTRACTOR: TBD

The modifications to the vault have been completed. We are developing quotation packages for installation of the vault. The project will include bypass pumping and removal of the existing vault.

2. **SANITARY SYSTEM CONTROLS INSTALLATION**
ESTIMATED COMPLETION OF DESIGN: May 2018
ESTIMATED COMPLETION OF CONSTRUCTION: 75 Days upon issuing Notice to Proceed
ESTIMATED CONSTRUCTION COST: \$45,000
CONTRACTOR: TBD

The controls are complete. O&M Manuals are being prepared by the Contractor prior to final payment

3. **SANITARY & WATER EMERGENCY CONTRACT – 1 YEAR**
ESTIMATED COMPLETION OF DESIGN: January 2019
ESTIMATED COMPLETION OF CONSTRUCTION: 365 Days – On Call
ESTIMATED CONSTRUCTION COST:
CONTRACTOR: TBD

The project is re-advertised with a reduced scope. Bids will be received on March 21st at 1:30 pm.

4. **BACKFLOW PREVENTER TESTING & PERMITTING**
ESTIMATED COMPLETION OF DESIGN: December 2018
ESTIMATED COMPLETION OF CONSTRUCTION: N/A
ESTIMATED CONSTRUCTION COST:
CONTRACTOR: N/A

The NJDEP has requested a layout of the piping and backflow preventer. We are preparing and will forward to the NJDEP in support of the application.

5. **SANITARY SMOKE TESTING**
ESTIMATED COMPLETION OF DESIGN: NA
ESTIMATED COMPLETION OF CONSTRUCTION: TBD
ESTIMATED CONSTRUCTION COST: \$18,000
CONTRACTOR: TBD

A proposal to obtain quotes and review the smoke testing results and provide recommendations has been provided to Council for consideration.

6. **USDA APPLICATION**
ESTIMATED COMPLETION OF DESIGN: NA
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

We have identified a funding source for the following projects. Part of the funding may be in the form of a grant. We have been directed to prepare an application for all three projects so that a meeting with the USDA can be scheduled. Once the meeting is completed, the Borough will have direction regarding the funding and grant options. At that point, the Borough can determine if they want to proceed with all projects or none.

- Industrial Drive Landfill Investigation
- Industrial Drive Standpipe – Painting
- Pursel Street Standpipe - Replacement