



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

April 9, 2019

PREPARED BY:

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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. The Borough has received \$153,000 in FY 2019 NJDOT Transportation Trust Fund Municipal Aid Grant Dollars for the Reconstruction of 5th Avenue from East Central to East Vulcanite Avenue.
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 has been submitted to the NJDEP.
4. The census map will be completed by April 5, 2019 and submitted to the Borough for comment.
5. The Drug Free School Zone map has been completed and submitted to the Borough for review and comment.

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 was advertised for bids on March 15, 2019. Bids were received and Top Line Construction was the low bid at \$505,194.46. Council is expected to award the construction contract at their April 9, 2019 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 and base plans are complete and preliminary design and construction document preparations is in progress.

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. Construction documents are complete and the project is advertised for construction bids. Bids will be received for an anticipated construction contract award at the April 23, 2019 Council meeting.

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

Shop drawings were reviewed and approved. Materials have been ordered and will be available for installation mid-May.

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 directly 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 have submitted the proposed sampling approach to the NJDEP and are waiting on comments prior to final submission of the disruption permit.

5. **FRACE WTP – BACKWASH PIPING MODIFICATIONS**
ESTIMATED COMPLETION OF DESIGN: December 2018
ESTIMATED COMPLETION OF CONSTRUCTION: February 2018
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 with the Borough on April 11th.

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. We will work with the Borough to initiate the submission on line on April 11th.

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 have developed a quotation package for solicitation of quotes which will be submitted to the QPA for review prior to posting.

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 has been presented to the Borough for consideration of award.

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 quote package has been developed and reviewed by the QPA. We are making final modifications and will coordinate with the Clerk on April 11th for posting.

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. The CFO is currently preparing financial information which must be submitted with the application so the meeting 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

7. **ASSET MANAGEMENT PLAN (AMP) & GIS – WATER UTILITY**
ESTIMATED COMPLETION OF DESIGN: April 19th (AMP)
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

We are in the process of preparing the AMP and GIS for the water utility as a requirement of the Water Quality Accountability Act (WQAA). The draft AMP will be reviewed with the Borough on April 11th. The GIS does not have a regulatory timeframe for completion. However, the Water GIS has been initiated. Field work to pick up information on the water system (GPS locations of infrastructure) will be initiated once the office work has been completed.