



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

March 13, 2018

PREPARED BY:

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



ACTION ITEMS

1. A new NJDOT Funding Program has been announced. It is the FY 2018 Local Freight Infrastructure Fund and it is for local infrastructure where Freight impacts are realized. The Borough has given us authorization to complete two (2) applications; Industrial Drive and Route 122 intersection Improvements and Industrial Drive and Edge Road Connector Road. The applications were submitted before the December 19, 2017 deadline. Borough Resolutions were sent to the NJDOT.

ROADWAY AND GENERAL ENGINEERING PROJECTS

1. HOMA LANE DRAINAGE IMPROVEMENTS

ESTIMATED COMPLETION OF DESIGN: February 2017

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.

2. MUNICIPAL POOL RENOVATIONS

ESTIMATED COMPLETION OF DESIGN: June 2017

ESTIMATED COMPLETION OF CONSTRUCTION: To Be Determined

CONSTRUCTION COST: \$277,600.00

CONTRACTOR: TBD

We performed a site visit to obtain information and measurements. Construction documents are being prepared. We met with the Borough to review and confirm open items. We are completing the construction documents for public advertisement in Late January/Early February 2017. Borough Council authorized advertisement of the project for public bid at their Monday January 23, 2017 Council Meeting. We met with Council on February 7, 2017 to adjust the scope of work for the construction and an addendum was issued. Bids were received for the pool and pool

house contract only on February 22, 2017 but no bids were received for the Building. A bid tabulation was completed and sent to the Borough. The Borough rejected the bids at their February 27, 2017 meeting. We met with Borough Council Woman Grossman and reduced the project scope. An engineer's estimate of the new scope and the items removed was provided to the governing body for review in advance of project re-advertisement. The project has been re-advertised and bids will be received on July 20, 2017 for consideration of an award at the July 25, 2017 council meeting. Bids were received and Ray Palmer was the low bid for Base Bid 1 (Install only) in the amount of \$120,640.00 and Base Bid 2 (Furnish and Install) in the amount of \$277,600.00. A recommendation letter was provided to Council. The low bidder has indicated by e-mail they will extend their bid prices until the fall of 2018. An official letter on their letter head is forthcoming.

3. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: March 2018

ESTIMATED COMPLETION OF CONSTRUCTION: To Be Determined

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. Storm water management is being design and the preliminary plans are being developed.

WATER PROJECTS

1. 2018 WATER UTILITY IMPROVEMENTS

ESTIMATED COMPLETION OF DESIGN: March 2, 2018

ESTIMATED COMPLETION OF CONSTRUCTION: May 2018

ESTIMATED CONSTRUCTION COST: TBD

CONTRACTOR: TBD

The project is currently advertised with bids being received on Tuesday March 20th at 10:30 am.

2. FRACE WTP BACKWASH NEUTRILIZATION TANK

ESTIMATED COMPLETION OF DESIGN: TBD

ESTIMATED COMPLETION OF CONSTRUCTION: TBD

ESTIMATED CONSTRUCTION COST: TBD

CONTRACTOR: TBD

This project has been incorporated into the 2018 Water Utility Improvement Project. Bids will be received on Tuesday March 20th at 10:30 am.

3. TREATMENT PLANT – REDUNDANCY DESIGN

ESTIMATED COMPLETION OF DESIGN: Complete

ESTIMATED COMPLETION OF CONSTRUCTION: March 31, 2018

ESTIMATED CONSTRUCTION COST: \$190,000.00 (negotiated price)

CONTRACTOR: Pact Two Construction

The degassifier has been inspected. Final blower location has been selected. We will be meeting with the contractor this week to coordinate the final connection.

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

The NJDEP has provided direction that a Closure Plan (in lieu of a disruption permit) is going to be required for the landfill. The NJDEP is also requiring sampling of the closed landfill groundwater and a methane investigation is required.

The formal application has been forwarded to the NJDEP. We have notified the DEP Project Manager of the submission.

4. **FRACE WTP – OVERBOARD PIPING MODIFICATIONS**
ESTIMATED COMPLETION OF DESIGN: March 1, 2017
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The overboard piping for the wells will discharge to the backwash sump. Instead, an inlet will be installed to eliminate the ponding water in front of the plant front door.

4. **DISINFECTION MODIFICATIONS – FRACE STREET**
ESTIMATED COMPLETION OF DESIGN: May 2016
ESTIMATED COMPLETION OF CONSTRUCTION: TBD
ESTIMATED CONSTRUCTION COST: \$90,000.00
CONTRACTOR: TBD

Improvements have been made by the Borough for start up.

6. **ACID STORAGE TANK – FRACE STREET WTP**
ESTIMATED COMPLETION OF DESIGN: April 2016
ESTIMATED COMPLETION OF CONSTRUCTION: TBD
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

We have provided the Borough with an alternate tank for the area. The tank is smaller and may require more frequent deliveries. The Borough is currently looking for historic delivery amounts to ascertain the ability to switch tanks.

SANITARY PROJECTS

1. **SANITARY REPLACEMENTS – SOUTH BOULEVARD**
ESTIMATED COMPLETION OF DESIGN: April 2017
ESTIMATED COMPLETION OF CONSTRUCTION: 30 Days upon issuing Notice to Proceed
ESTIMATED CONSTRUCTION COST: \$75,000
CONTRACTOR: TBD

The installation of the gravity main is complete. The Borough has requested that the laterals be completed when the weather breaks to allow for multiple crews to work on the laterals and expedite installation.

2. **SANITARY MANHOLE REPAIRS**
ESTIMATED COMPLETION OF DESIGN: April 2017
ESTIMATED COMPLETION OF CONSTRUCTION: 30 Days upon issuing Notice to Proceed
ESTIMATED CONSTRUCTION COST: \$17,500
CONTRACTOR: TBD

The wet well work was completed on November 30th. The manhole repairs will be completed once the weather and temperatures are favorable.

3. **SANITARY METER VAULT INSTALLATION**
ESTIMATED COMPLETION OF DESIGN: May 2017
ESTIMATED COMPLETION OF CONSTRUCTION: 30 Days upon issuing Notice to Proceed
ESTIMATED CONSTRUCTION COST: \$17,500
CONTRACTOR: TBD

The survey for this project has been completed and we are updating the plans. We have requested the meter information from the Phillipsburg Operator for incorporation into the installation.

4. **SANITARY SYSTEM CONTROLS INSTALLATION**
ESTIMATED COMPLETION OF DESIGN: May 2017
ESTIMATED COMPLETION OF CONSTRUCTION: 75 Days upon issuing Notice to Proceed
ESTIMATED CONSTRUCTION COST: \$17,500
CONTRACTOR: TBD

We have provided the list of controls to the contractor and are waiting on pricing for presentation to the Borough.