

BOROUGH OF ALPHA

**GENERAL CAPITAL PROJECTS AND WATER UTILITY
ENGINEERING STATUS REPORT**

November 10, 2020

PREPARED BY:

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



**REMINGTON
& VERNICK
ENGINEERS**

ACTION ITEMS

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 are 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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. Council authorized the preliminary engineering phase of the project at their October 22, 2019 Council Meeting. Survey and base have been completed. The hydraulic analysis has been completed and an approximate 2.5 feet high by 10 feet wide would be the most physically practical to install and have any significant upstream flooding benefit. Council authorized us to submit to the NJDEP for a pre-application meeting to discuss our approach and analysis. The meeting was held on April 29, 2020 with positive results as the ideal of new culvert is acceptable to the NJDEP. Council authorized RVE to advance the project with the NJDEP Permit application preparation/submission at their May 12, 2020 meeting. Permit Application is complete and waiting for Property Owner (Homa) to sign the application form. Proposed easement description will be prepared once plans are complete for NJDEP submission.

2. 2019 ROAD PROGRAM (NORTH BOULEVARD PHASE III AND SOUTH BOULEVARD)

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$658,524.75

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete, and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020. Council Awarded the construction contract to Capitol Paving at their January 14, 2020 meeting. Contracts have been prepared and fully executed by all parties. Construction is complete and minor punchlist items remain. Close-out of the project is proceeding including NJDOT documentation for remaining grant reimbursement. NJDOT Final Inspection is pending.

3. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$408,312.65

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids. NJDOT approved the construction documents. Bids were received on February 20, 2020 and Base Bid 2 (5th Avenue, Davis Street and E Central Avenue) was awarded to Capitol Paving & Contracting at the February 25, 2020 Council Meeting. Contracts have been fully executed. Construction is complete. Close-out of the project is proceeding including NJDOT documentation for remaining grant reimbursement. NJDOT Final Inspection is pending.

4. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS (NJDOT LOCAL AID FREIGHT GRANT)

ESTIMATED COMPLETION OF DESIGN: April 2020

ESTIMATED COMPLETION OF CONSTRUCTION: November 2020

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. The left turn traffic analysis is in progress. Survey is completed and base plans have been prepared. A left turn onto Industrial Drive from Rt 122 westbound is warranted. Preliminary

plans are being prepared. A meeting was held with the adjacent property owner to discuss property dedication needed for the proposed improvements.

5. RECONSTRUCTION OF 5TH AVENUE – PHASE III (NJDOT LOCAL AID FY 2020 GRANT)

ESTIMATED COMPLETION OF DESIGN: March 2020

ESTIMATED COMPLETION OF CONSTRUCTION: August 2020

CONSTRUCTION COST: \$252,889.60

CONTRACTOR: South State, Inc

Borough Council authorized the engineering services at their January 14, 2020 Council Meeting. Survey and base plans are completed. Final documents are near completion and we will be submitting to the NJDOT for their review and concurrence. Final Construction documents have been sent to the NJDOT for review and approval prior to advertisement for construction bids. NJDOT approval was received and project was advertised and bids received. Council awarded a construction contract to South State, Inc at their June 23, 2020 meeting. Contracts have been sent to the contractor. A preconstruction meeting was held on July 9, 2020 and a Notice To Proceed (NTP) was issued on of July 27, 2020. Construction is complete and punchlist and close-out is proceeding. Final NJDOT Inspection is pending.

6. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019

ESTIMATED COMPLETION OF CONSTRUCTION: April 2021

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans have been completed and the preliminary plans complete. Final plans are complete and have been submitted to the NJDEP.

7. NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT
ESTIMATED COMPLETION OF DESIGN: February 2020

This phase of the work has been authorized in December 2019 and initiated. This was submitted to NJDEP on March 26, 2020 for their consideration. NJDEP has requested additional survey information that has been submitted. Verbal approval from NJDEP and written approval is anticipated soon.

WATER PROJECTS

1. 2018 WATER UTILITY IMPROVEMENTS

ESTIMATED COMPLETION OF DESIGN: March 2, 2018

ESTIMATED COMPLETION OF CONSTRUCTION: September 2018

CONTRACTOR: Penn Bower

Project is being closed out. Maintenance bond submitted and final CO being processed.

2. ASSET MANAGEMENT PLAN (AMP)
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS)
ESTIMATED COMPLETION OF DESIGN: Complete

A review conference call was held on 2/5/2020 and follow-up as-built field book document of the 1937 water system was found and provided to RVE by the Borough on 2/13/2020. We have scanned, inventoried, and will review, verify, and incorporate these water assets into the GIS water system layer of Alpha Borough. The as-built field book document is broken down by street and include, but not limited to, the following:

- Water main pipes
- Water main line valves
- Water laterals
- Water lateral service valves
- Water fittings
- Fire Hydrants
- Fire hydrant valves

The lengths and sizes are shown, and we will review and add to the water system mapping where available.

The DPW was provided the water system maps with and without aerial mapping displayed for their review and reference to be sure all available comments are addressed and confirm the water assets found. We have received two marked-up maps with comments from this set on 5/21/2020, which were applied and returned with additional questions on 6/2/2020. DPW is sending additional sheets with water service locations as they are completed. When completed, we will use this to identify and target any missing/obscured areas that need to be field verified and collected to complete this phase. Valve location and fire hydrants were field located and incorporated into the GIS map. RVE is requesting review by DPW for potential revisions.

3. FRACE WTP O&M MANUAL
ESTIMATED COMPLETION OF DESIGN: January 2020

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in May. Submission for Borough review is anticipated by November 2020.

4. Leak Detection

A round of leak detection was performed in the past month. There were issues identified and corrected but the excessive water use has not been resolved.

5. **Services**

RVE has requested that the Borough review the water service records and provide a number of the existing lead whip or galvanized services that remain in the Borough. This is being requested by NJDEP.

SANITARY PROJECTS

1. **WMP AMENDMENT FOR PROPERTIES SOUTH OF ROUTE 78
ESTIMATED PRELIMINARY SUBMISSION: JUNE 2020**

The Properties South of Route 78 are proposed to be incorporated in the Wastewater Management Plan for the Borough of Alpha. This will involve the approval of the Highlands Commission, Borough of Phillipsburg and NJDEP. RVE has prepared a Draft report and associated mapping for this project to develop public input, and it is available for consideration by Council.

MISCELLANEOUS PROJECTS

1. **GENERAL ISSUES - GENERAL ENGINEERING**

1. Odor Control Device specified for Wet Well Exhaust Fan. Unit will require minor ductwork and piping and a VFD to reduce the Exhaust Fan Speed. Information provided to the Borough for obtaining quotes.
2. Grease Blockage event weekend of June 6, 2020. Recommendation to reimplement a Grease program with Borough Commercial and Institutional users. The Event of June 6 resulted in a Corrective Action letter to NJDEP that identified the Grease Program as the Action.
3. Sanitary Sewer Force Main Air relief valve needs to be replaced at Flirt Alley and the other two locations need to be evaluated.
4. Long term solution for Comminutor should be evaluated. A spare should be purchased.
5. An air release valve for the Frace Street WTP softener vessel was sized for the Borough.

2. **LEIGH FUEL PROPERTY INVESTIGATION**

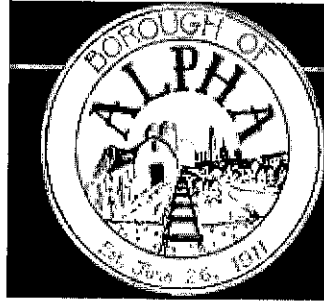
The Leigh Fuel property preliminary assessment (PA) was authorized by Council at the November 28, 2018 meeting and the grant documents have been executed. A site visit was conducted, and we performed a desk top survey of the property. The PA is complete and has been submitted to the NJDEP. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The Grant Application has been submitted to the NJDEP on January 27, 2020. NJDEP has requested clarification on certain cost items in the grant application. This will be provided to NJDEP in November 2020.

3. Tax Map Maintenance/Revisions for the Borough of Alpha for Tax Year 2020

The 2020 Tax Map Maintenance proposal was submitted and approved by the Borough per resolution 2020-41, dated 1/14/2020 per our proposal dated 11/15/2019. This work will be performed over the course of the year and will be filed with County Tax Board No Later Than January 2021.

4. GIS Hosting of Municipal Map Layers for the Borough of Alpha

The Mayor has requested that RVE prepare and present a demonstration of our GIS municipal map hosting capabilities for both the public and municipal departments. Now that the Borough has several GIS map layers generated and maintained, this information can be utilized by various departments such as Code Enforcement, Tax Assessor, Construction Official, DPW, etc. in the performance of their duties and task completion. RVE would like to schedule a presentation for late July or early August 2020, to demonstrate the hosting capabilities. This presentation can be either in person or virtually presented depending on COVID meeting restrictions in place at that time. We will notify all departments once the meeting date is determined.



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October 13, 2020

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ESTIMATED COMPLETION OF CONSTRUCTION: November 2020

CONSTRUCTION COST: To Be Determined

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6. INDUSTRIAL ROAD EXTENSION

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ESTIMATED COMPLETION OF CONSTRUCTION: April 2021

CONSTRUCTION COST: To Be Determined

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Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans have been completed and the preliminary plans complete. Final plans are complete and have been submitted to the NJDEP.

7. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT

ESTIMATED COMPLETION OF DESIGN: January 2020

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Field work is complete, and we are awaiting laboratory results. Final report was submitted to NJDEP on January 15, 2020.

8. NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT

ESTIMATED COMPLETION OF DESIGN: February 2020

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

This phase of the work has been authorized in December 2019 and initiated. This was submitted to NJDEP on March 26, 2020 for their consideration. NJDEP has requested additional survey information that has been submitted.

WATER PROJECTS

1. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week. Final connections are to be arranged with homeowners.

2. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS)

ESTIMATED COMPLETION OF DESIGN: Three weeks after receipt of Borough As-built documents and Comments

A review conference call was held on 2/5/2020 and follow-up as-built field book document of the 1937 water system was found and provided to RVE by the Borough on 2/13/2020. We have scanned, inventoried, and will review, verify, and incorporate these water assets into the GIS water system layer of Alpha Borough. The as-built field book document is broken down by street and include, but not limited to, the following:

- Water main pipes
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3. FRACE WTP O&M MANUAL
ESTIMATED COMPLETION OF DESIGN: January 2020

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in May. Submission for Borough review is anticipated by November 2020.

4. INDUSTRIAL DRIVE WATER TANK THICKNESS STUDY

RVE has solicited a quote from a vendor, Corrosion Control in the amount of \$5800 to perform a study of the thickness of the Industrial Drive Water Tank. Work performed. See separate letter to Council.

5. Leak Detection

A round of leak detection was performed in the past month. There were issues identified and corrected but the excessive water use has not been resolved.

6. Services

RVE has requested that the Borough review the water service records and provide a number of the existing lead whip or galvanized services that remain in the Borough. This is being requested by NJDEP.

SANITARY PROJECTS

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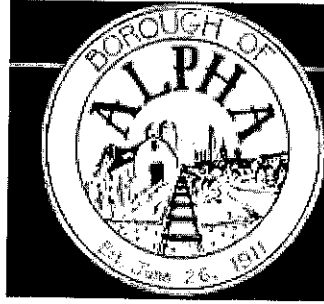
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September 8, 2020

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ACTION ITEMS

1. Grease Program Reimplementation Action Required – See subsequent information.

ROADWAY AND GENERAL ENGINEERING PROJECTS

1. HOMA LANE DRAINAGE IMPROVEMENTS

ESTIMATED COMPLETION OF DESIGN: To Be Determined

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CONTRACTOR: To Be Determined

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2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: August 2020

CONSTRUCTION COST: \$505,194.46

CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2020 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract. Top Line has completed the project and a punchlist is being generated.

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CONSTRUCTION COST: \$658,524.75

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete, and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020. Council Awarded the construction contract to Capitol Paving at their January 14, 2020 meeting. Contracts have been prepared and fully executed by all parties. Construction is complete and minor punchlist items remain. Close-out of the project is proceeding including NJDOT documentation for remaining grant reimbursement.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019

ESTIMATED COMPLETION OF CONSTRUCTION: March 2020

CONSTRUCTION COST: \$78,599.00

CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete, and the project was advertised for construction bids. Bids were received and there was a three-way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Contracts have been fully executed and returned to all parties. The Notice to Proceed was issued for February 10, 2020. Construction is complete including punchlist. Project close-out is pending submission of a maintenance bond from the contractor.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$408,312.65

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids. NJDOT approved the construction documents. Bids were received on February 20, 2020 and Base Bid 2 (5th Avenue, Davis Street and E Central Avenue) was awarded to Capitol Paving & Contracting at the February 25, 2020 Council Meeting. Contracts have been fully executed. Construction is complete. Close-out of the project is proceeding including NJDOT documentation for remaining grant reimbursement.

6. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS (NJDOT LOCAL AID FREIGHT GRANT)

ESTIMATED COMPLETION OF DESIGN: April 2020

ESTIMATED COMPLETION OF CONSTRUCTION: November 2020

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. The left turn traffic analysis is in progress. Survey is completed and base plans have been prepared. A left turn onto Industrial Drive from Rt 122 westbound is warranted. Preliminary plans are being prepared. A meeting was held with the adjacent property owner to discuss property dedication needed for the proposed improvements.

7. RECONSTRUCTION OF 5TH AVENUE – PHASE III (NJDOT LOCAL AID FY 2020 GRANT)

ESTIMATED COMPLETION OF DESIGN: March 2020
ESTIMATED COMPLETION OF CONSTRUCTION: August 2020
CONSTRUCTION COST: \$252,889.60
CONTRACTOR: South State, Inc

Borough Council authorized the engineering services at their January 14, 2020 Council Meeting. Survey and base plans are completed. Final documents are near completion and we will be submitting to the NJDOT for their review and concurrence. Final Construction documents have been sent to the NJDOT for review and approval prior to advertisement for construction bids. NJDOT approval was received and project was advertised and bids received. Council awarded a construction contract to South State, Inc at their June 23, 2020 meeting. Contracts have been sent to the contractor. A preconstruction meeting was held on July 9, 2020 and a Notice To Proceed (NTP) was issued on of July 27, 2020. Construction should be complete before Labor Day or right after it.

8. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: April 2021
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans have been completed and the preliminary plans complete. Final plans are being prepared.

9. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT

ESTIMATED COMPLETION OF DESIGN: January 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Field work is complete, and we are awaiting laboratory results. Final report was submitted to NJDEP on January 15, 2020.

10. NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT

ESTIMATED COMPLETION OF DESIGN: February 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

This phase of the work has been authorized in December 2019 and initiated. This was submitted to NJDEP on March 26, 2020 for their consideration. NJDEP has requested additional survey information that has been submitted.

WATER PROJECTS

1. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week. Final connections are to be arranged with homeowners.

2. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS)

ESTIMATED COMPLETION OF DESIGN: Three weeks after receipt of Borough As-built documents and Comments

A review conference call was held on 2/5/2020 and follow-up as-built field book document of the 1937 water system was found and provided to RVE by the Borough on 2/13/2020. We have scanned, inventoried, and will review, verify, and incorporate these water assets into the GIS water system layer of Alpha Borough. The as-built field book document is broken down by street and include, but not limited to, the following:

- Water main pipes
- Water main line valves
- Water laterals
- Water lateral service valves
- Water fittings
- Fire Hydrants
- Fire hydrant valves

The lengths and sizes are shown, and we will review and add to the water system mapping where available.

The DPW was provided the water system maps with and without aerial mapping displayed for their review and reference to be sure all available comments are addressed and confirm the water assets found. We have received two marked-up maps with comments from this set on 5/21/2020, which were applied and returned with additional questions on 6/2/2020. DPW is sending additional sheets with water service locations as they are completed. When completed, we will

use this to identify and target any missing/obscured areas that need to field verified and collected to complete this phase. There is a lot more work to do before we can field verify, this information is still ongoing.

3. FRACE WTP O&M MANUAL
ESTIMATED COMPLETION OF DESIGN: January 2020

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in May. Submission for Borough review is anticipated by September 2020.

4. INDUSTRIAL DRIVE WATER TANK THICKNESS STUDY

RVE has solicited a quote from a vendor, Corrosion Control in the amount of \$5800 to perform a study of the thickness of the Industrial Drive Water Tank. Council had PO issued to Vendor.

5. Leak Detection

A round of leak detection was performed in the past month. There were issues identified and corrected but the excessive water use has not been resolved.

6. Services

RVE has requested that the Borough review the water service records and provide a number of the existing lead whip or galvanized services that remain in the Borough. This is being requested by NJDEP.

SANITARY PROJECTS

1. WMP AMENDMENT FOR PROPERTIES SOUTH OF ROUTE 78
ESTIMATED PRELIMINARY SUBMISSION: JUNE 2020

The Properties South of Route 78 are proposed to be incorporated in the Wastewater Management Plan for the Borough of Alpha. This will involve the approval of the Highlands Commission, Borough of Phillipsburg and NJDEP. RVE has prepared a Draft report and associated mapping for this project to develop public input, and it is available for consideration by Council.

MISCELLANEOUS PROJECTS

1. GENERAL ISSUES - GENERAL ENGINEERING

1. Odor Control Device specified for Wet Well Exhaust Fan. Unit will require minor ductwork and piping and a VFD to reduce the Exhaust Fan Speed. Information provided to the Borough for obtaining quotes.

2. Grease Blockage event weekend of June 6, 2020. Recommendation to reimplement a Grease program with Borough Commercial and Institutional users. The Event of June 6 resulted in a Corrective Action letter to NJDEP that identified the Grease Program as the Action.
3. Sanitary Sewer Force Main Air relief valve needs to be replaced at Flirt Alley and the other two locations need to be evaluated.
4. Long term solution for Comminutor should be evaluated. A spare should be purchased.
5. Pump Variable Frequency Drives (VFD) failed and needed to be replaced on an emergency basis. The VFDs control the start and stopping of the pumps and are critical to the operation of the pump station. The pump station was placed on emergency bypass during the replacement of the VFDs. There was an overflow incident until the bypass pumps could be installed that was reported to NJDEP. It is anticipated that work will be complete the week of September 7, 2020.
6. An air release valve for the Frace Street WTP softener vessel was sized for the Borough.

2. LEIGH FUEL PROPERTY INVESTIGATION

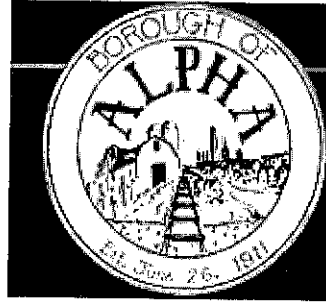
The Leigh Fuel property preliminary assessment (PA) was authorized by Council at the November 28, 2018 meeting and the grant documents have been executed. A site visit was conducted, and we performed a desk top survey of the property. The PA is complete and has been submitted to the NJDEP. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The Grant Application has been submitted to the NJDEP on January 27, 2020.

3. Tax Map Maintenance/Revisions for the Borough of Alpha for Tax Year 2020

The 2020 Tax Map Maintenance proposal was submitted and approved by the Borough per resolution 2020-41, dated 1/14/2020 per our proposal dated 11/15/2019. This work will be performed over the course of the year and will be filed with County Tax Board No Later Than January 2021.

4. GIS Hosting of Municipal Map Layers for the Borough of Alpha

The Mayor has requested that RVE prepare and present a demonstration of our GIS municipal map hosting capabilities for both the public and municipal departments. Now that the Borough has several GIS map layers generated and maintained, this information can be utilized by various departments such as Code Enforcement, Tax Assessor, Construction Official, DPW, etc in the performance of their duties and task completion. RVE would like to schedule a presentation for late July or early August 2020, to demonstrate the hosting capabilities. This presentation can be either in person or virtually presented depending on COVID meeting restrictions in place at that time. We will notify all departments once the meeting date is determined.



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

August 11, 2020

PREPARED BY:

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



ACTION ITEMS

1. Industrial Drive Thickness Quote Action Required – See subsequent information.
2. Grease Program Reimplementation Action Required – See subsequent information.

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 are 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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. Council authorized the preliminary engineering phase of the project at their October 22, 2019 Council Meeting. Survey and base have been completed. The hydraulic analysis has been completed and an approximate 2.5 feet high by 10 feet wide would be the most physically practical to install and have any significant upstream flooding benefit. Council authorized us to submit to the NJDEP for a pre-application meeting to discuss our approach and analysis. The meeting was held on April 29, 2020 with positive results as the ideal of new culvert is acceptable to the NJDEP. Council authorized RVE to advance the project with the NJDEP Permit application preparation/submission at their May 12, 2020 meeting. Permit Application is complete and waiting for Property Owner (Homa) to sign the application form. Proposed easement description will be prepared once plans are complete for NJDEP submission.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: August 2020

CONSTRUCTION COST: \$505,194.46

CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2020 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract. Top Line will be mobilizing to complete the work in late August of 2020.

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

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$658,524.75

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete, and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020. Council Awarded the construction contract to Capitol Paving at their January 14, 2020 meeting, Contracts have been prepared and fully executed by all parties. Construction is complete and minor punchlist items remain. Close-out of the project is proceeding including NJDOT documentation for remaining grant reimbursement.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019

ESTIMATED COMPLETION OF CONSTRUCTION: March 2020

CONSTRUCTION COST: \$78,599.00

CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete, and the project was advertised for construction bids. Bids were received and there was a three-way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prier bidders to discuss submission of a best and final price. The prices were submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Contracts have been fully executed and returned to all parties. The Notice to Proceed was issued for February 10, 2020. Construction is complete including punchlist. Project close-out is proceeding.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$408,312.65

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids. NJDOT approved the construction documents. Bids were received on February 20, 2020 and Base Bid 2 (5th Avenue, Davis Street and E Central Avenue) was awarded to Capitol Paving & Contracting at the February 25, 2020 Council Meeting. Contracts have been fully executed. Construction is complete. Close-out of the project is proceeding including NJDOT documentation for remaining grant reimbursement.

6. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS (NJDOT LOCAL AID FREIGHT GRANT)

ESTIMATED COMPLETION OF DESIGN: April 2020

ESTIMATED COMPLETION OF CONSTRUCTION: November 2020

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. The left turn traffic analysis is in progress. Survey is completed and base plans have been prepared. A left turn onto Industrial Drive from Rt 122 westbound is warranted. Preliminary plans are being prepared. A meeting was held with the adjacent property owner to discuss property dedication needed for the proposed improvements.

7. RECONSTRUCTION OF 5TH AVENUE – PHASE III (NJDOT LOCAL AID FY 2020 GRANT)

ESTIMATED COMPLETION OF DESIGN: March 2020

ESTIMATED COMPLETION OF CONSTRUCTION: August 2020

CONSTRUCTION COST: \$252,889.60

CONTRACTOR: South State, Inc

Borough Council authorized the engineering services at their January 14, 2020 Council Meeting. Survey and base plans are completed. Final documents are near completion and we will be submitting to the NJDOT for their review and concurrence. Final Construction documents have been sent to the NJDOT for review and approval prior to advertisement for construction bids. NJDOT approval was received and project was advertised and bids received. Council awarded a construction contract to South State, Inc at their June 23, 2020 meeting. Contracts have been sent to the contractor. A preconstruction meeting was held on July 9, 2020 and a Notice To Proceed (NTP) was issued on of July 27, 2020. Construction has begun.

8. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019

ESTIMATED COMPLETION OF CONSTRUCTION: April 2021

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans have been completed and the preliminary plans complete. Final plans are being prepared.

9. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT

ESTIMATED COMPLETION OF DESIGN: January 2020

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Field work is complete, and we are awaiting laboratory results. Final report was submitted to NJDEP on January 15, 2020.

10. NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT

ESTIMATED COMPLETION OF DESIGN: February 2020

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

This phase of the work has been authorized in December 2019 and initiated. This was submitted to NJDEP on March 26, 2020 for their consideration. NJDEP has requested additional survey information that has been submitted.

WATER PROJECTS

1. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week. Final connections are to be arranged with homeowners.

2. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS)

ESTIMATED COMPLETION OF DESIGN: Three weeks after receipt of Borough As-built documents and Comments

A review conference call was held on 2/5/2020 and follow-up as-built field book document of the 1937 water system was found and provided to RVE by the Borough on 2/13/2020. We have scanned, inventoried, and will review, verify, and incorporate these water assets into the GIS water system layer of Alpha Borough. The as-built field book document is broken down by street and include, but not limited to, the following:

- Water main pipes
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The lengths and sizes are shown, and we will review and add to the water system mapping where available.

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use this to identify and target any missing/obscured areas that need to field verified and collected to complete this phase. There is a lot more work to do before we can field verify, this information is still ongoing.

3. FRACE WTP O&M MANUAL

ESTIMATED COMPLETION OF DESIGN: January 2020

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in May. Submission for Borough review is anticipated by September 2020.

4. INDUSTRIAL DRIVE WATER TANK THICKNESS STUDY

RVE has solicited a quote from a vendor, Corrosion Control in the amount of \$5800 to perform a study of the thickness of the Industrial Drive Water Tank. Action by Council is required.

5. Leak Detection

A round of leak detection was performed in the past month. There were issues identified and corrected but the excessive water use has not been resolved.

6. Services

RVE has requested that the Borough review the water service records and provide a number of the existing lead whip or galvanized services that remain in the Borough. This is being requested by NJDEP.

SANITARY PROJECTS

1. 2020 EMERGENCY CONTRACT

ESTIMATED COMPLETION OF DESIGN: APRIL 2020

Bid documents have been prepared. Project was readvertised and one bidder submitted. Action by Council is requested.

2. WMP AMENDMENT FOR PROPERTIES SOUTH OF ROUTE 78

ESTIMATED PRELIMINARY SUBMISSION: JUNE 2020

The Properties South of Route 78 are proposed to be incorporated in the Wastewater Management Plan for the Borough of Alpha. This will involve the approval of the Highlands Commission, Borough of Phillipsburg and NJDEP. RVE has prepared a Draft report and associated mapping for this project to develop public input, and it is available for consideration by Council.

3. SANITARY PUMP STATION GENERAL ISSUES GENERAL ENGINEERING

1. Odor Control Device specified for Wet Well Exhaust Fan. Unit will require minor ductwork and piping and a VFD to reduce the Exhaust Fan Speed. Information provided to the Borough for obtaining quotes.
2. Grease Blockage event weekend of June 6, 2020. **Recommendation to reimplement a Grease program with Borough Commercial and Institutional users.** The Event of June 6 resulted in a Corrective Action letter to NJDEP that identified the Grease Program as the Action.
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MISCELLANEOUS PROJECTS

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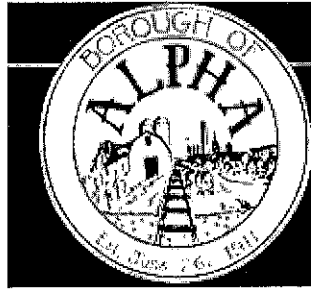
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BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

May 12, 2020

PREPARED BY:

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



**REMINGTON
& VERNICK
ENGINEERS**

ACTION ITEMS

1. RVE was requested to review a storm water drainage issues along Bagley Street between Park Avenue and West Boulevard. We found in May of 2013 we recommended to install an inlet and pipe to connect to the storm sewer system in West Boulevard. The total project was estimated to be \$28,375 including engineering and inspection in 2013. It does not appear Council acted on the recommendation.
2. NJDOT FY 2021 Municipal Aid Grant Applications have been announced and are due before July 1, 2020. Discussions have occurred with Councilman Pettinelli regarding submission of last years application of Pursell Street (Park Avenue to Schley Avenue) and a fourth phase of 5th Avenue.

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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. Council authorized the preliminary engineering phase of the project at their October 22, 2019 Council Meeting. Survey and base have been completed. The hydraulic analysis has been completed and an approximate 2.5 feet high by 10 feet wide would be the most physically practical to install and have any significant upstream flooding benefit. Council authorized us to submit to the NJDEP for a pre-application meeting to discuss our approach and analysis. The meeting was held on April 29, 2020 with positive results as the ideal of new culvert is acceptable to the NJDEP. Council will be considering authorizing RVE to advance the project with the NJDEP Permit application preparation/submission at their May 12, 2020 meeting.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: October 2019

CONSTRUCTION COST: \$505,194.46

CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2020 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract. Top Line will be mobilizing to complete the work in May of 2020 with the intention to be completed before Memorial Day 2020.

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

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$658,524.75

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020. Council Awarded the construction contract to Capitol Paving at their January 14, 2020 meeting. Contracts have been prepared and fully executed by all parties. Asphalt paving will occur the week of May 11, 2020 and the project is expected to be complete by May 22, 2020.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019

ESTIMATED COMPLETION OF CONSTRUCTION: March 2020

CONSTRUCTION COST: \$78,599.00

CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete, and the project was advertised for construction bids. Bids were received and there was a three-way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Contracts have been fully executed and returned to all parties. The Notice to Proceed was issued for February 10, 2020. Construction is complete. One punchlist item remains regarding the low area and the contractor will address once the ground dries more.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$408,312.65

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids. NJDOT approved the construction documents. Bids were received on February 20, 2020 and Base Bid 2 (5th Avenue, Davis Street and E Central Avenue) was awarded to Capitol Paving & Contracting at the February 25, 2020 Council Meeting. Contracts have been fully executed and construction has begun. Asphalt paving will occur the week of May 11, 2020 and the project is expected to be complete by May 22, 2020.

6. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS (NJDOT LOCAL AID FREIGHT GRANT)

ESTIMATED COMPLETION OF DESIGN: April 2020

ESTIMATED COMPLETION OF CONSTRUCTION: November 2020

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. The left turn traffic analysis is in progress. Survey is completed and base plans have been prepared. A left turn onto Industrial Drive from Rt 122 westbound is warranted. Preliminary plans are being prepared. A meeting was held with the adjacent property owner to discuss property dedication needed for the proposed improvements.

7. RECONSTRUCTION OF 5TH AVENUE – PHASE III (NJDOT LOCAL AID FY 2020 GRANT)

ESTIMATED COMPLETION OF DESIGN: March 2020

ESTIMATED COMPLETION OF CONSTRUCTION: August 2020

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their January 14, 2020 Council Meeting. Survey and base plans are completed. Final documents are near completion and we will be submitting to the NJDOT for their review and concurrence. Final Construction documents have been sent to the NJDOT for review and approval prior to advertisement for construction bids. We anticipate a response from the NJDOT for a possible June construction contract award.

8. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans have been completed and the preliminary plans complete.

9. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT

ESTIMATED COMPLETION OF DESIGN: January 2020

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Field work is complete and we are awaiting laboratory results. Final report was submitted to NJDEP on January 15, 2020.

10. NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT

ESTIMATED COMPLETION OF DESIGN: February 2020

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

This phase of the work has been authorized in December 2019 and initiated. This was submitted to NJDEP on March 26, 2020 for their consideration. NJDEP has requested additional survey information.

WATER PROJECTS

1. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week. Final connections are to be arranged with homeowners.

2. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS) **ESTIMATED COMPLETION OF DESIGN: Three weeks after receipt of Borough As-built documents and Comments**

A review conference call was held on 2/5/2020 and follow-up as-built field book document of the 1937 water system was found and provided to RVE by the Borough on 2/13/2020. We have scanned, inventoried and will review, verify and incorporate these water assets into the GIS water system layer of Alpha Borough. The as-built field book document is broken down by street and include, but not limited to, the following:

- Water main pipes
- Water main line valves
- Water laterals
- Water lateral service valves
- Water fittings
- Fire Hydrants
- Fire hydrant valves

The lengths and sizes are shown and we will review and add to the water system mapping where available.

The DPW was provided the water system maps with and without aerial mapping displayed for their review and reference to be sure all available comments are addressed and confirm the water assets found. We will use this to identify and target any missing/obscured areas that need to field verified and collected to complete this phase. This information is still outstanding.

3. FRACE WTP O&M MANUAL
ESTIMATED COMPLETION OF DESIGN: January 2020

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in May. Submission for Borough review is anticipated by June 2020.

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: \$93000
CONTRACTOR: PENN BOWER

Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold. The results of the second bid received January 7, 2002 was one bidder submitted a bid. This exceeded the Engineering estimate and RVE would recommend rejection of the bid and negotiation of bids consistent with the Local Public Contracts Law. Council authorized negotiations with Contractors. Contracts have been prepared and sent to Penn Bower, successful contractor from the Negotiations.

2. SMOKE TESTING SECOND HALF OF BOROUGH
ESTIMATED COMPLETION OF DESIGN: APRIL 2020

The project consists of bidding the smoke testing of the second half of the Borough. Quote package developed, processed through Purchasing Agent and quoted. Two quotes were received April 10, 2020 and the low quote was CSL who performed the work last year. The quoting process was done all electronically. RVE recommends award to CSL in the amount of \$15,543.00. Action by Council is required.

3. 2020 EMERGENCY CONTRACT
ESTIMATED COMPLETION OF DESIGN: APRIL 2020

Bid documents have been prepared. We did submit to Borough for review. Project is being advertised.

4. WMP AMENDMENT FOR PROPERTIES SOUTH OF ROUTE 78
ESTIMATED PRELIMINARY SUBMISSION: JUNE 2020

The Properties South of Route 78 are proposed to be incorporated in the Waste Water Management Plan for the Borough of Alpha. This will involve the approval of the Highlands Commission, Borough of Phillipsburg and NJDEP. RVE is preparing a report and associated mapping for this project to develop public input.

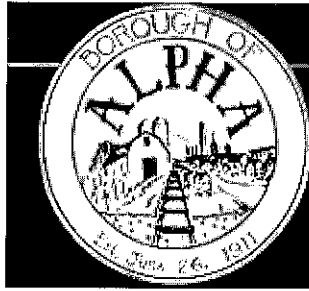
MISCELLANEOUS PROJECTS

1. LEIGH FUEL PROPERTY INVESTIGATION

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. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The Grant Application has been submitted to the NJDEP on January 27, 2020.

2. Tax Map Maintenance/Revisions for the Borough of Alpha for Tax Year 2020

The 2020 Tax Map Maintenance proposal was submitted and approved by the Borough per resolution 2020-41, dated 1/14/2020 per our proposal dated 11/15/2019. This work will be performed over the course of the year and will be filed with County Tax Board No Later Than January 2021.



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

June 9, 2020

PREPARED BY:

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



ACTION ITEMS

1. RVE was requested to review a storm water drainage issues along Bagley Street between Park Avenue and West Boulevard. We found in May of 2013 we recommended to install an inlet and

GENERAL CAPITAL PROJECTS and UTILITY ENGINEERING STATUS REPORT

June 9, 2020

PAGE 2 OF 8

pipe to connect to the storm sewer system in West Boulevard. The total project was estimated to be \$28,375 including engineering and inspection in 2013. It does not appear Council acted on the recommendation.

2. NJDOT FY 2021 Municipal Aid Grant Applications have been announced and are due before July 1, 2020. Council has determined to submit a grant for Pursell Street (Park Avenue to Schley Avenue and Pohatcong Street (1st Avenue to 3rd Avenue). RVE will provide a proposal for preparation of the application at the June 23, 2020 Council meeting for consideration.

3. SMOKE TESTING SECOND HALF OF BOROUGH

The project consists of bidding the smoke testing of the second half of the Borough. Quote package developed, processed through Purchasing Agent, and quoted. Two quotes were received April 10, 2020 and the low quote was CSL who performed the work last year. The quoting process was done all electronically. RVE recommends award to CSL in the amount of \$15,543.00. Action by Council is required.

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 are 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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. Council authorized the preliminary engineering phase of the project at their October 22, 2019 Council Meeting. Survey and base have been completed. The hydraulic analysis has been completed and an approximate 2.5 feet high by 10 feet wide would be the most physically practical to install and have any

significant upstream flooding benefit. Council authorized us to submit to the NJDEP for a pre-application meeting to discuss our approach and analysis. The meeting was held on April 29, 2020 with positive results as the ideal of new culvert is acceptable to the NJDEP. Council authorized RVE for the Permit phase at their May 12, 2020 meeting. The preparation of the application has begun.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: October 2019

CONSTRUCTION COST: \$505,194.46

CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2020 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract. Top Line will be mobilizing to complete the work in mid July of 2020 once Alpha Land Partners complete their storm sewer work within the Borough's ROW.

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

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$658,524.75

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete, and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020. Council Awarded the construction contract to Capitol Paving at their January 14, 2020 meeting, Contracts have been prepared and fully executed by all parties. The construction is complete and punchlist items remain to be completed.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019
ESTIMATED COMPLETION OF CONSTRUCTION: March 2020
CONSTRUCTION COST: \$78,599.00
CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete, and the project was advertised for construction bids. Bids were received and there was a three-way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Contracts have been fully executed and returned to all parties. The Notice to Proceed was issued for February 10, 2020. Construction is complete. One punch list item remains regarding the low area.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: \$408,312.65
CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids. NJDOT approved the construction documents. Bids were received on February 20, 2020 and Base Bid 2 (5th Avenue, Davis Street and E Central Avenue) was awarded to Capitol Paving & Contracting at the February 25, 2020 Council Meeting. Contracts have been fully executed and construction has begun. Asphalt surface course remains to be completed along 5th Avenue and is scheduled the week of June 8, 2020.

6. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS (NJDOT LOCAL AID FREIGHT GRANT)

ESTIMATED COMPLETION OF DESIGN: April 2020
ESTIMATED COMPLETION OF CONSTRUCTION: November 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. The left turn traffic analysis is in progress. Survey is completed and base plans have been prepared. A left turn onto Industrial Drive from Rt 122 westbound is warranted. Preliminary plans are being prepared. A meeting was held with the adjacent property owner to discuss property dedication needed for the proposed improvements.

7. RECONSTRUCTION OF 5TH AVENUE – PHASE III (NJDOT LOCAL AID FY 2020 GRANT)

ESTIMATED COMPLETION OF DESIGN: March 2020
ESTIMATED COMPLETION OF CONSTRUCTION: September 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their January 14, 2020 Council Meeting. Survey and base plans are completed. Final documents are near completion and we will be submitting to the NJDOT for their review and concurrence. Final Construction documents have been sent to the NJDOT for review and approval prior to advertisement for construction bids. NJDOT review comments have been received and addressed. Final construction documents have been completed and the project is advertised for construction bids. Receipt of bids is scheduled for June 18, 2020.

8. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans have been completed and the preliminary plans complete.

9. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT
ESTIMATED COMPLETION OF DESIGN: January 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Field work is complete, and we are awaiting laboratory results. Final report was submitted to NJDEP on January 15, 2020. NJDEP has accepted the report.

10. NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT
ESTIMATED COMPLETION OF DESIGN: February 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

This phase of the work has been authorized in December 2019 and initiated. This was submitted to NJDEP on March 26, 2020 for their consideration.

WATER PROJECTS

1. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week. Final connections are to be arranged with homeowners.

2. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review -- May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS)
ESTIMATED COMPLETION OF DESIGN: Three weeks after receipt of Borough As-built documents and Comments

A review conference call was held on 2/5/2020 and follow-up as-built field book document of the 1937 water system was found and provided to RVE by the Borough on 2/13/2020. We have scanned, inventoried, and will review, verify, and incorporate these water assets into the GIS water system layer of Alpha Borough. The as-built field book document is broken down by street and include, but not limited to, the following:

- Water main pipes
- Water main line valves
- Water laterals
- Water lateral service valves
- Water fittings
- Fire Hydrants
- Fire hydrant valves

The lengths and sizes are shown, and we will review and add to the water system mapping where available.

The DPW was provided the water system maps with and without aerial mapping displayed for their review and reference to be sure all available comments are addressed and confirm the water assets found. We have received two marked-up maps with comments from this set on 5/21/2020, which were applied and returned with additional questions on 6/2/2020. DPW is sending additional sheets with water service locations as they are completed. When completed, we will use this to identify and target any missing/obscured areas that need to field verified and collected

to complete this phase. There is a lot more work to do before we can field verify, this Project is on Hold pending receipt of information from the Borough.

3. FRACE WTP O&M MANUAL
ESTIMATED COMPLETION OF DESIGN: January 2020

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in June. Submission for Borough review is anticipated by July 2020.

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: \$93000
CONTRACTOR: PENN BOWER

Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold. The results of the second bid received January 7, 2002 was one bidder submitted a bid. This exceeded the Engineering estimate and RVE would recommend rejection of the bid and negotiation of bids consistent with the Local Public Contracts Law. Council authorized negotiations with Contractors. Contracts have been prepared and sent to Penn Bower, successful contractor from the Negotiations. Work has been completed and punchlist items are being worked on.

2. SANITARY PUMP STATION GENERAL ISSUES
GENERAL ENGINEERING

1. Odor Control Device specified for Wet Well Exhaust Fan. Unit will require minor ductwork and piping and a VFD to reduce the Exhaust Fan Speed. Information provided to Borough for obtaining quotes.
2. Grease Blockage event weekend of June 6. Recommendation to reimplement a Grease program with Borough Businesses.
3. Force Main Air relief valve needs to be replaced at Flirt Alley and the other two locations need to be evaluated.
4. One Sanitary Pump (Number 2) as been rebuilt and reinstalled in the Pump Station.
5. Comminutor has been repaired and placed back in service. A long term solution should be pursued.

3. 2020 EMERGENCY CONTRACT
ESTIMATED COMPLETION OF DESIGN: APRIL 2020

Bid documents have been prepared. We did submit to Borough for review. Project is being advertised and bids are due on June 10, 2020.

**4. WMP AMENDMENT FOR PROPERTIES SOUTH OF ROUTE 78
ESTIMATED PRELIMINARY SUBMISSION: JUNE 2020**

The Properties South of Route 78 are proposed to be incorporated in the Wastewater Management Plan for the Borough of Alpha. This will involve the approval of the Highlands Commission, Town of Phillipsburg and NJDEP. RVE is preparing a report and associated mapping for this project to develop public input.

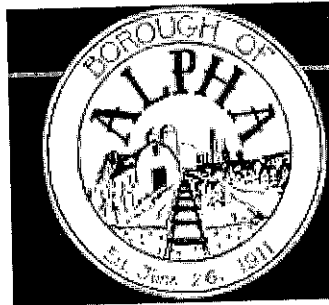
MISCELLANEOUS PROJECTS

1. LEIGH FUEL PROPERTY INVESTIGATION

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. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The Grant Application has been submitted to the NJDEP on January 27, 2020.

2. TAX MAP MAINTENANCE/REVISIONS FOR TAX YEAR 2020

The 2020 Tax Map Maintenance proposal was submitted and approved by the Borough per resolution 2020-41, dated 1/14/2020 per our proposal dated 11/15/2019. This work will be performed over the course of the year and will be filed with County Tax Board No Later Than January 2021.



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

June 9, 2020

PREPARED BY:

**REMINGTON & VERNICK ENGINEERS
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**REMINGTON
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ENGINEERS**

ACTION ITEMS

1. RVE was requested to review a storm water drainage issues along Bagley Street between Park Avenue and West Boulevard. We found in May of 2013 we recommended to install an inlet and pipe to connect to the storm sewer system in West Boulevard. The total project was estimated to be \$28,375 including engineering and inspection in 2013. It does not appear Council acted on the recommendation.
2. NJDOT FY 2021 Municipal Aid Grant Applications have been announced and are due before July 1, 2020. Council has determined to submit a grant for Pursell Street (Park Avenue to Schley Avenue and Pohatcong Street (1st Avenue to 3rd Avenue). RVE will provide a proposal for preparation of the application at the June 23, 2020 Council meeting for consideration.
3. SMOKE TESTING SECOND HALF OF BOROUGH

The project consists of bidding the smoke testing of the second half of the Borough. Quote package developed, processed through Purchasing Agent, and quoted. Two quotes were received April 10, 2020 and the low quote was CSL who performed the work last year. The quoting process was done all electronically. RVE recommends award to CSL in the amount of \$15,543.00. Action by Council is required.

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 are 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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. Council authorized the preliminary engineering phase of the project at their October 22, 2019 Council Meeting. Survey and base have been completed. The hydraulic analysis has been completed and an approximate 2.5 feet high by 10 feet wide would be the most physically practical to install and have any significant upstream flooding benefit. Council authorized us to submit to the NJDEP for a pre-application meeting to discuss our approach and analysis. The meeting was held on April 29, 2020 with positive results as the ideal of new culvert is acceptable to the NJDEP. Council authorized RVE for the Permit phase at their May 12, 2020 meeting. The preparation of the application has begun.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: October 2019

CONSTRUCTION COST: \$505,194.46

CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2020 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract. Top Line will be mobilizing to complete the work in mid July of 2020 once Alpha Land Partners complete their storm sewer work within the Borough's ROW.

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

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$658,524.75

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete, and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant

agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020. Council Awarded the construction contract to Capitol Paving at their January 14, 2020 meeting. Contracts have been prepared and fully executed by all parties. The construction is complete and punchlist items remain to be completed.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019

ESTIMATED COMPLETION OF CONSTRUCTION: March 2020

CONSTRUCTION COST: \$78,599.00

CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete, and the project was advertised for construction bids. Bids were received and there was a three-way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Contracts have been fully executed and returned to all parties. The Notice to Proceed was issued for February 10, 2020. Construction is complete. One punch list item remains regarding the low area.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$408,312.65

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids. NJDOT approved the construction documents. Bids were received on February 20, 2020 and Base Bid 2 (5th Avenue, Davis Street and E Central Avenue) was awarded to Capitol Paving & Contracting at the February 25, 2020 Council Meeting. Contracts have been fully executed and construction has begun. Asphalt surface course remains to be completed along 5th Avenue and is scheduled the week of June 8, 2020.

6. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS (NJDOT LOCAL AID FREIGHT GRANT)

ESTIMATED COMPLETION OF DESIGN: April 2020
ESTIMATED COMPLETION OF CONSTRUCTION: November 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. The left turn traffic analysis is in progress. Survey is completed and base plans have been prepared. A left turn onto Industrial Drive from Rt 122 westbound is warranted. Preliminary plans are being prepared. A meeting was held with the adjacent property owner to discuss property dedication needed for the proposed improvements.

7. RECONSTRUCTION OF 5TH AVENUE – PHASE III (NJDOT LOCAL AID FY 2020 GRANT)

ESTIMATED COMPLETION OF DESIGN: March 2020
ESTIMATED COMPLETION OF CONSTRUCTION: September 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their January 14, 2020 Council Meeting. Survey and base plans are completed. Final documents are near completion and we will be submitting to the NJDOT for their review and concurrence. Final Construction documents have been sent to the NJDOT for review and approval prior to advertisement for construction bids. NJDOT review comments have been received and addressed. Final construction documents have been completed and the project is advertised for construction bids. Receipt of bids is scheduled for June 18, 2020.

8. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans have been completed and the preliminary plans complete.

9. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT
ESTIMATED COMPLETION OF DESIGN: January 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Field work is complete, and

we are awaiting laboratory results. Final report was submitted to NJDEP on January 15, 2020.
NJDEP has accepted the report.

- 10. NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT**
ESTIMATED COMPLETION OF DESIGN: February 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

This phase of the work has been authorized in December 2019 and initiated. This was submitted to NJDEP on March 26, 2020 for their consideration.

WATER PROJECTS

- 1. 2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week. Final connections are to be arranged with homeowners.

- 2. ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS) **ESTIMATED COMPLETION OF DESIGN: Three weeks after receipt of Borough As-built documents and Comments**

A review conference call was held on 2/5/2020 and follow-up as-built field book document of the 1937 water system was found and provided to RVE by the Borough on 2/13/2020. We have scanned, inventoried, and will review, verify, and incorporate these water assets into the GIS water system layer of Alpha Borough. The as-built field book document is broken down by street and include, but not limited to, the following:

- Water main pipes
- Water main line valves
- Water laterals

GENERAL CAPITAL PROJECTS and UTILITY ENGINEERING STATUS REPORT

June 9, 2020

PAGE 7 OF 8

- Water lateral service valves
- Water fittings
- Fire Hydrants
- Fire hydrant valves

The lengths and sizes are shown, and we will review and add to the water system mapping where available.

The DPW was provided the water system maps with and without aerial mapping displayed for their review and reference to be sure all available comments are addressed and confirm the water assets found. We have received two marked-up maps with comments from this set on 5/21/2020, which were applied and returned with additional questions on 6/2/2020. DPW is sending additional sheets with water service locations as they are completed. When completed, we will use this to identify and target any missing/obscured areas that need to field verified and collected to complete this phase. There is a lot more work to do before we can field verify, this Project is on Hold pending receipt of information from the Borough.

3. FRACE WTP O&M MANUAL ESTIMATED COMPLETION OF DESIGN: January 2020

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in June. Submission for Borough review is anticipated by July 2020.

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: \$93000 CONTRACTOR: PENN BOWER

Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold. The results of the second bid received January 7, 2002 was one bidder submitted a bid. This exceeded the Engineering estimate and RVE would recommend rejection of the bid and negotiation of bids consistent with the Local Public Contracts Law. Council authorized negotiations with Contractors. Contracts have been prepared and sent to Penn Bower, successful contractor from the Negotiations. Work has been completed and punchlist items are being worked on.

2. SANITARY PUMP STATION GENERAL ISSUES GENERAL ENGINEERING

1. Odor Control Device specified for Wet Well Exhaust Fan. Unit will require minor ductwork and piping and a VFD to reduce the Exhaust Fan Speed. Information provided to Borough for obtaining quotes.

2. Grease Blockage event weekend of June 6. Recommendation to reimplement a Grease program with Borough Businesses.
3. Force Main Air relief valve needs to be replaced at Flirt Alley and the other two locations need to be evaluated.
4. One Sanitary Pump (Number 2) as been rebuilt and reinstalled in the Pump Station.
5. Comminutor has been repaired and placed back in service. A long term solution should be pursued.

3. 2020 EMERGENCY CONTRACT
ESTIMATED COMPLETION OF DESIGN: APRIL 2020

Bid documents have been prepared. We did submit to Borough for review. Project is being advertised and bids are due on June 10, 2020.

4. WMP AMENDMENT FOR PROPERTIES SOUTH OF ROUTE 78
ESTIMATED PRELIMINARY SUBMISSION: JUNE 2020

The Properties South of Route 78 are proposed to be incorporated in the Wastewater Management Plan for the Borough of Alpha. This will involve the approval of the Highlands Commission, Borough of Phillipsburg and NJDEP. RVE is preparing a report and associated mapping for this project to develop public input.

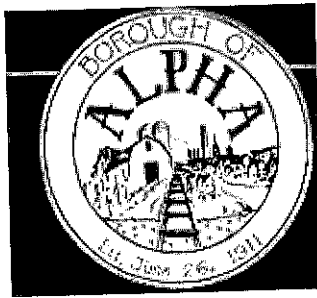
MISCELLANEOUS PROJECTS

1. LEIGH FUEL PROPERTY INVESTIGATION

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. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The Grant Application has been submitted to the NJDEP on January 27, 2020.

2. TAX MAP MAINTENANCE/REVISIONS FOR TAX YEAR 2020

The 2020 Tax Map Maintenance proposal was submitted and approved by the Borough per resolution 2020-41, dated 1/14/2020 per our proposal dated 11/15/2019. This work will be performed over the course of the year and will be filed with County Tax Board No Later Than January 2021.



BOROUGH OF ALPHA

**GENERAL CAPITAL PROJECTS AND WATER UTILITY
ENGINEERING STATUS REPORT**

May 12, 2020

PREPARED BY:

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



**REMINGTON
& VERNICK
ENGINEERS**

ACTION ITEMS

1. RVE was requested to review a storm water drainage issues along Bagley Street between Park Avenue and West Boulevard. We found in May of 2013 we recommended to install an inlet and pipe to connect to the storm sewer system in West Boulevard. The total project was estimated to be \$28,375 including engineering and inspection in 2013. It does not appear Council acted on the recommendation.
2. NJDOT FY 2021 Municipal Aid Grant Applications have been announced and are due before July 1, 2020. Discussions have occurred with Councilman Pettinelli regarding submission of last years application of Pursell Street (Park Avenue to Schley Avenue) and a fourth phase of 5th Avenue.

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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. Council authorized the preliminary engineering phase of the project at their October 22, 2019 Council Meeting. Survey and base have been completed. The hydraulic analysis has been completed and an approximate 2.5 feet high by 10 feet wide would be the most physically practical to install and have any significant upstream flooding benefit. Council authorized us to submit to the NJDEP for a pre-application meeting to discuss our approach and analysis. The meeting was held on April 29, 2020 with positive results as the ideal of new culvert is acceptable to the NJDEP. Council will be considering authorizing RVE to advance the project with the NJDEP Permit application preparation/submission at their May 12, 2020 meeting.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018
ESTIMATED COMPLETION OF CONSTRUCTION: October 2019
CONSTRUCTION COST: \$505,194.46
CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2020 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract. Top Line will be mobilizing to complete the work in May of 2020 with the intention to be completed before Memorial Day 2020.

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

ESTIMATED COMPLETION OF DESIGN: May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: \$658,524.75
CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020. Council Awarded the construction contract to Capitol Paving at their January 14, 2020 meeting. Contracts have been prepared and fully executed by all parties. Asphalt paving will occur the week of May 11, 2020 and the project is expected to be complete by May 22, 2020.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019
ESTIMATED COMPLETION OF CONSTRUCTION: March 2020
CONSTRUCTION COST: \$78,599.00
CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete, and the project was advertised for construction bids. Bids were received and there was a three-way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Contracts have been fully executed and returned to all parties. The Notice to Proceed was issued for February 10, 2020. Construction is complete. One punchlist item remains regarding the low area and the contractor will address once the ground dries more.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: \$408,312.65
CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids. NJDOT approved the construction documents. Bids were received on February 20, 2020 and Base Bid 2 (5th Avenue, Davis Street and E Central Avenue) was awarded to Capitol Paving & Contracting at the February 25, 2020 Council Meeting. Contracts have been fully executed and construction has begun. Asphalt paving will occur the week of May 11, 2020 and the project is expected to be complete by May 22, 2020.

**6. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS
(NJDOT LOCAL AID FREIGHT GRANT)**

ESTIMATED COMPLETION OF DESIGN: April 2020
ESTIMATED COMPLETION OF CONSTRUCTION: November 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. The left turn traffic analysis is in progress. Survey is completed and base plans have been prepared. A left turn onto Industrial Drive from Rt 122 westbound is warranted. Preliminary plans are being prepared. A meeting was held with the adjacent property owner to discuss property dedication needed for the proposed improvements.

7. RECONSTRUCTION OF 5TH AVENUE – PHASE III (NJDOT LOCAL AID FY 2020 GRANT)

ESTIMATED COMPLETION OF DESIGN: March 2020
ESTIMATED COMPLETION OF CONSTRUCTION: August 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their January 14, 2020 Council Meeting. Survey and base plans are completed. Final documents are near completion and we will be submitting to the NJDOT for their review and concurrence. Final Construction documents have been sent to the NJDOT for review and approval prior to advertisement for construction bids. We anticipate a response from the NJDOT for a possible June construction contract award.

8. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans have been completed and the preliminary plans complete.

9. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT
ESTIMATED COMPLETION OF DESIGN: January 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Field work is complete and we are awaiting laboratory results. Final report was submitted to NJDEP on January 15, 2020.

10. NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT
ESTIMATED COMPLETION OF DESIGN: February 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

This phase of the work has been authorized in December 2019 and initiated. This was submitted to NJDEP on March 26, 2020 for their consideration. NJDEP has requested additional survey information.

WATER PROJECTS

1. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week. Final connections are to be arranged with homeowners.

2. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS) **ESTIMATED COMPLETION OF DESIGN: Three weeks after receipt of Borough As-built documents and Comments**

A review conference call was held on 2/5/2020 and follow-up as-built field book document of the 1937 water system was found and provided to RVE by the Borough on 2/13/2020. We have scanned, inventoried and will review, verify and incorporate these water assets into the GIS water system layer of Alpha Borough. The as-built field book document is broken down by street and include, but not limited to, the following:

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The lengths and sizes are shown and we will review and add to the water system mapping where available.

The DPW was provided the water system maps with and without aerial mapping displayed for their review and reference to be sure all available comments are addressed and confirm the water assets found. We will use this to identify and target any missing/obscured areas that need to field verified and collected to complete this phase. This information is still outstanding.

3. **FRACE WTP O&M MANUAL**
ESTIMATED COMPLETION OF DESIGN: January 2020

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in May. Submission for Borough review is anticipated by June 2020.

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: \$93000
CONTRACTOR: PENN BOWER

Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold. The results of the second bid received January 7, 2002 was one bidder submitted a bid. This exceeded the Engineering estimate and RVE would recommend rejection of the bid and negotiation of bids consistent with the Local Public Contracts Law. Council authorized negotiations with Contractors. Contracts have been prepared and sent to Penn Bower, successful contractor from the Negotiations.

2. **SMOKE TESTING SECOND HALF OF BOROUGH**
ESTIMATED COMPLETION OF DESIGN: APRIL 2020

The project consists of bidding the smoke testing of the second half of the Borough. Quote package developed, processed through Purchasing Agent and quoted. Two quotes were received April 10, 2020 and the low quote was CSL who performed the work last year. The quoting process was done all electronically. RVE recommends award to CSL in the amount of \$15,543.00. Action by Council is required.

3. **2020 EMERGENCY CONTRACT**
ESTIMATED COMPLETION OF DESIGN: APRIL 2020

Bid documents have been prepared. We did submit to Borough for review. Project is being advertised.

4. **WMP AMENDMENT FOR PROPERTIES SOUTH OF ROUTE 78**
ESTIMATED PRELIMINARY SUBMISSION: JUNE 2020

The Properties South of Route 78 are proposed to be incorporated in the Waste Water Management Plan for the Borough of Alpha. This will involve the approval of the Highlands Commission, Borough of Phillipsburg and NJDEP. RVE is preparing a report and associated mapping for this project to develop public input.

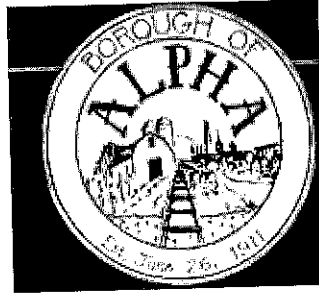
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1. LEIGH FUEL PROPERTY INVESTIGATION

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. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The Grant Application has been submitted to the NJDEP on January 27, 2020.

2. Tax Map Maintenance/Revisions for the Borough of Alpha for Tax Year 2020

The 2020 Tax Map Maintenance proposal was submitted and approved by the Borough per resolution 2020-41, dated 1/14/2020 per our proposal dated 11/15/2019. This work will be performed over the course of the year and will be filed with County Tax Board No Later Than January 2021.



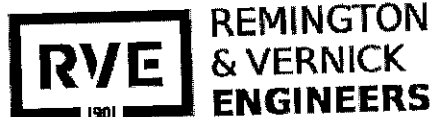
BOROUGH OF ALPHA

**GENERAL CAPITAL PROJECTS AND WATER UTILITY
ENGINEERING STATUS REPORT**

August 13, 2019

PREPARED BY:

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



ACTION ITEMS

1. The FY 2020 NJDOT Local Aid Freight Grant applications have recently been requested by the NJDOT. A potential candidate which was discussed in the past is a joint application with Pohatcong Township for Edge Road and New Brunswick Avenue (State Rt 122) intersection improvements. Applications are due on October 16, 2019.
2. FY 2019 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. The NJDOT awarded the borough a Grant in the amount of \$305,000.
3. NJDOT FY 2020 NJDOT Transportation Trust Fund Municipal Aid Applications are now being accepted until July 19, 2019. Council determined the following applications will be submitted. We completed the application and submitted them through SAGE prior on July 19, 2019.
 - Pursel Street – Schley Avenue to Park Avenue
 - 5th Avenue Phase III – Somerset Street to Williams Street
4. 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.
5. The census map has been completed and submitted to the Borough.
6. 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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. We are preparing a proposal for the engineering services.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: October 2019

CONSTRUCTION COST: \$505,194.46

CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting.. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Curb and storm sewer pipe is completed. Roadway is asphalt based paved. Remaining work will be completed upon substantial construction of adjacent warehouse development.

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

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: November 2019

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids will be received On August 13, 2019 with a possible award at the Borough Council meeting on August 13, 2019.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 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. Construction documents are complete and the project was advertised for construction bids. Bids were received and there was a three way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: October 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared and preliminary plans are being developed.

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

The meter has been installed and was calibrated and is consistent with the in-plant meter. We are waiting on the contractor for as-builts before final payment.

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

The County has issued the permit. The work had to be postponed due to the County schedule.

- 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 permit has been submitted to the NJDEP. We are currently waiting on comments.

4. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. The inventory and ranking for the infrastructure has been reviewed.
The AMP is being coordinated with the GIS portion for submission in September.

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

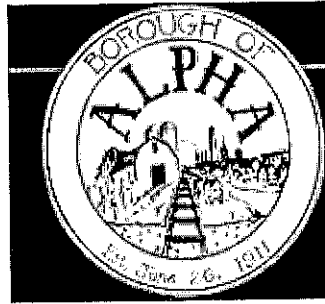
Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold.

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

Contracts have been forwarded to the Borough for execution. Letters to the residents have been generated for distribution.

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

We have received the requested information from the CFO and have submitted the application.



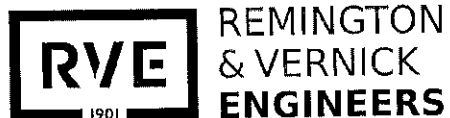
BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

November 12, 2019

PREPARED BY:

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



ACTION ITEMS

1. FY 2019 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. The NJDOT awarded the borough a Grant in the amount of \$305,000. We met with the NJDOT Highway Access to review the projects and their requirements for their approval. An engineering proposal is being prepared for Council's consideration at the November 26, 2019 Meeting.
2. NJDOT FY 2020 NJDOT Transportation Trust Fund Municipal Aid Applications are now being accepted until July 19, 2019. Council determined the following applications will be submitted. We completed the application and submitted them through SAGE prior on July 19, 2019.
 - Pursel Street – Schley Avenue to Park Avenue
 - 5th Avenue Phase III – Somerset Street to Williams Street

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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. Council authorized the preliminary engineering phase of the project at their October 22, 2019 Council Meeting. Survey is being scheduled.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: October 2019

CONSTRUCTION COST: \$505,194.46

CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Curb and storm sewer pipe is completed. Roadway is asphalt based paved. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2019 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract.

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

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$658,524.75

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019
ESTIMATED COMPLETION OF CONSTRUCTION: December 2019
CONSTRUCTION COST: \$78,599.00
CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete and the project was advertised for construction bids. Bids were received and there was a three way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were be submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Upon execution a Notice to Proceed (NTP) can be issued.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are being advanced. We anticipate a December 2019 public bid advertisement and a January 2020 construction contract award.

WATER PROJECTS

1. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week.

2. **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 next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Perimeter gas sampling is currently scheduled for Week of November 11, 2019 and the monitoring wells are scheduled for November 21, 2019.

3. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

4. **FRACE WTP O&M MANUAL**
ESTIMATED COMPLETION OF DESIGN: January 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios.

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

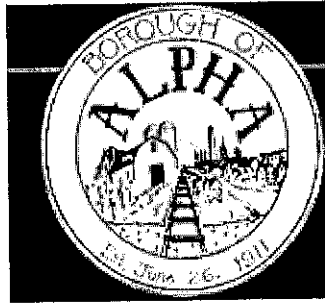
Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold. RVE is requesting authorization to advertise on Tuesday November 19, 2019 with bids to be received by the Borough on December 4, 2019.

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

The smoke testing is complete. The smoke testing results were received on October 4th. We will be reviewing the results and did present recommendations to the Borough at the October 16th Utility Meeting. Results of the smoke testing are being provided to the Borough.

MISCELLANEOUS PROJECTS

1. **LEIGH FUEL PROPERTY INVESTIGATION**
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. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The proposal has been awarded and is in process.



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

December 10, 2019

PREPARED BY:

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



ACTION ITEMS

1. NJDOT FY 2020 NJDOT Transportation Trust Fund Municipal Aid Applications are now being accepted until July 19, 2019. Council determined the following applications will be submitted. We completed the application and submitted them through SAGE prior on July 19, 2019.

- Pursel Street – Schley Avenue to Park Avenue
- Fifth Avenue Phase III – Somerset Street to Williams Street

The Borough was notified by the NJDOT they received \$130,000 grant for Fifth Avenue Phase III

ROADWAY AND GENERAL ENGINEERING PROJECTS

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2019 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract.

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

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: May 2020

CONSTRUCTION COST: \$658,524.75

CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019

ESTIMATED COMPLETION OF CONSTRUCTION: December 2019

CONSTRUCTION COST: \$78,599.00

CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete and the project was advertised for construction bids. Bids were received and there was a three way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prier bidders to discuss submission of a best and final price. The prices were be submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A

preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Upon execution a Notice to Proceed (NTP) can be issued. Project is on hold pending an injunction from a Borough Resident regarding the project.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids.

6. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS (NJDOT LOCAL AID FREIGHT GRANT)

ESTIMATED COMPLETION OF DESIGN: February 2020
ESTIMATED COMPLETION OF CONSTRUCTION: August 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Survey is being scheduled and the left turn traffic analysis is in progress.

7. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Coordination is needed with the developer regarding their planned access in order to schedule the survey.

WATER PROJECTS

- 1. 2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week.

2. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

3. **FRACE WTP O&M MANUAL**
ESTIMATED COMPLETION OF DESIGN: January 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios.

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

Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold. RVE advertised the project with bids to be received December 6, 2019. No bids were submitted. RVE requests authorization to bid again.

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

The smoke testing is complete. The smoke testing results were received on October 4th. We will be reviewing the results and will present recommendations to the Borough at the October 16th Utility Meeting. Results of the smoke testing are being provided to the Borough.

MISCELLANEOUS PROJECTS

1. LEIGH FUEL PROPERTY INVESTIGATION

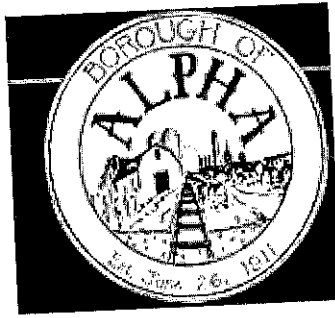
The Leigh Fuel property preliminary assessment (PA) was authorized by Council at the November 28, 2018 meeting and the grant documents have been executed. A site visit was conducted and we performed a desk top survey of the property. The PA is complete and has been submitted to the NJDEP. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The proposal has been awarded and is in process.

2. 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 next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Perimeter gas sampling has been completed and the monitoring wells are being installed.

3. INDUSTRIAL DRIVE LANDFILL MAJOR DISRUPTION PERMIT FOR CONSTRUCTION OF NEW ROAD ESTIMATED COMPLETION OF DESIGN: January 2020 ESTIMATED COMPLETION OF CONSTRUCTION: NA ESTIMATED CONSTRUCTION COST: NA CONTRACTOR: NA

A proposal has been submitted in the amount of \$39,500 for the cost of submitting a Major Disturbance permit and the required As Built Survey at the conclusion of disturbance. RVE is requesting authorization to prepare the permit.



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

February 11, 2020

PREPARED BY:

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



**REMINGTON
& VERNICK
ENGINEERS**

ACTION ITEMS

None

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. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. Council authorized the preliminary engineering phase of the project at their October 22, 2019 Council Meeting. Survey and base have been completed. Hydraulic analysis has continued, and results should be completed by the end of February 2020.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018
ESTIMATED COMPLETION OF CONSTRUCTION: October 2019
CONSTRUCTION COST: \$505,194.46
CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. 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. 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. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property. Construction will be completed in the Spring of 2020 since the adjacent development has not constructed their storm sewer system which impacts the completion of the Borough's contract.

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

ESTIMATED COMPLETION OF DESIGN: May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: \$658,524.75
CONTRACTOR: Capitol Paving and Contracting

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. The low bidder has agreed in writing to hold their bid for Council to bond for the money and make a construction contract award in January 2020. Council Awarded the construction contract to Capitol Paving at their January 14, 2020 meeting. Contracts have been prepared and executed by the contractor. They have been submitted to the Borough for full execution. Construction is anticipated to begin near the end of March 2020.

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019
ESTIMATED COMPLETION OF CONSTRUCTION: March 2020
CONSTRUCTION COST: \$78,599.00
CONTRACTOR: CMS Services

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete and the project was advertised for construction bids. Bids were received and there was a three way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were be submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00. Council awarded the construction contract at their October 7, 2019 Council Meeting. A preconstruction Meeting was held on October 31, 2019. Contracts have been prepared and executed by the contractor and are with the Borough for full execution. Contracts have been fully executed and returned to all parties. The Notice to Proceed was issued for February 10, 2020. The contractor anticipates beginning the work at the end of February 2020.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are complete. Plans, Specifications, Design Certification and Estimate have been sent to the NJDOT Local Aid for review and approval prior to public advertisement for construction bids. NJDOT approved the construction documents and the project is advertised for public construction bids. Bids will be received on February 20, 2020 with the anticipation of a contract award at the February 25, 2020 Council Meeting.

6. STATE ROUTE 122 AND INDUSTRIAL DRIVE INTERSECTION IMPROVEMENTS (NJDOT LOCAL AID FREIGHT GRANT)

ESTIMATED COMPLETION OF DESIGN: February 2020
ESTIMATED COMPLETION OF CONSTRUCTION: August 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. The left turn traffic analysis is in progress. Survey is completed and base plans are being prepared.

7. RECONSTRUCTION OF 5TH AVENUE – PHASE III (NJDOT LOCAL AID FY 2020 GRANT)

ESTIMATED COMPLETION OF DESIGN: March 2020
ESTIMATED COMPLETION OF CONSTRUCTION: July 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their January 14, 2020 Council Meeting. Survey and base plans are completed. Preliminary design is in progress.

8. INDUSTRIAL ROAD EXTENSION

ESTIMATED COMPLETION OF DESIGN: November 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their November 26, 2019 Council Meeting. Proposed roadway baseline is complete and field survey is complete. Base plans are being prepared.

9. **NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT**
ESTIMATED COMPLETION OF DESIGN: January 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results. Field work is complete and we are awaiting laboratory results. Final report was submitted to NJDEP on January 15, 2020. We are awaiting any comments from NJDEP.

10. **NJPDES PERMIT – INDUSTRIAL DRIVE MAJOR LANDFILL DISRUPTION PERMIT**
ESTIMATED COMPLETION OF DESIGN: February 2020
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

This phase of the work has been authorized in December 2019 and initiated. It is anticipated that a draft will be available for review at the end of February 2020.

WATER PROJECTS

1. **2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting was held October 16th to review the schedule with the contractor and the County. The County restoration was scheduled for the following week. Final connections are to be arranged with homeowners.

2. **ASSET MANAGEMENT PLAN (AMP)**
ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting. A draft report has been submitted to the Borough.

ASSET MANAGEMENT PLAN (GIS)

ESTIMATED COMPLETION OF DESIGN: Two weeks after receipt of Borough Comments

A review meeting was held on 12/13/2019 and follow-up conference call on 2/5/2020 with the Borough to review draft water system maps. These review maps included for reference were as follows:

- Edge Road connector Pdf (latest information given to us/Added to the map)
- Water Utility mark-up that displays any areas that are unverified/areas we have as-built information as well as previously surveyed information
- Water utilities overall map
- Water utilities over map with aerial turned on

The DPW is to review these documents and confirm the water assets found. We will use this to identify and target any missing/obscured areas that need to field verified and collected.

4. FRACE WTP O&M MANUAL **ESTIMATED COMPLETION OF DESIGN: January 2020**

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios in Early February. Submission for Borough review is anticipated by March 2020.

5. NJDEP Water System Inspection.

An Inspection by NJDEP was conducted on January 7, 2020. Initial comments from NJDEP were positive with no deficiencies noted. We are awaiting the formal results from the inspection.

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

Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold. The results of the second bid received January 7, 20102 was one bidder submitted a bid. This exceeded the Engineering estimate and RVE would recommend rejection of the bid and negotiation of bids consistent with the Local Public Contracts Law. Council authorized negotiations with Contractors.

MISCELLANEOUS PROJECTS

- 1. LEIGH FUEL PROPERTY INVESTIGATION**

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. A proposal had been provided to Council for their consideration of advancing the assessment through additional grant dollars. The Grant Application has been submitted to the NJDEP.

2. GIS ROSI Map Updates with Flood prone Area Overlay for the Borough of Alpha, County of Warren, New Jersey

The ROSI Map updates with flood prone areas calculated and overlaid onto the GIS map layer was authorized on 11/26/2019 under resolution #2019-164. We have completed the updated ROSI map for Alpha Borough applying the additional areas and the 100-year flood prone areas with acreages documented. A DRAFT map was provided on 12/30/2019 as a PDF file for review along with the Green Acres List for reference. A follow-up conference call was held on 2/5/2020 to address additional questions. Once any edits are applied and approved, we will prepare the final deliverable at the Borough's direction per our 11/15/2019 proposal.

3. Tax Map Maintenance/Revisions for the Borough of Alpha for Tax Year 2020

The 2020 Tax Map Maintenance proposal was submitted and approved by the Borough per resolution 2020-41, dated 1/14/2020 per our proposal dated 11/15/2019. This work will be performed over the course of the year and will be filed with County Tax Board No Later Than January 2021.

**4. Census Map Maintenance/Revisions for the Borough of Alpha for Tax Year 2020
(To be filed with Census Bureau by March 1, 2020)**

A review conference call was held on 2/5/2020 with the Mayor to review Borough tax map municipal boundary changes that may have occurred since the last 2010 census included, but not limited to, any annexations, boundary inaccuracies and similar adjustments as well as the addition of any new development to the tax Borough. RVE is already authorized to update and submit this mapping to the Census Bureau and will review and address any discrepancies once the paperwork has been received from the Borough as directed. This work needs to be completed and delivered to the Census Bureau by 3/1/2020.