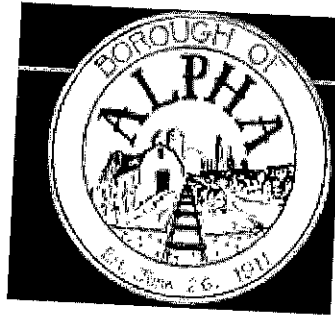




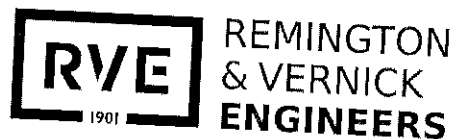
BOROUGH OF ALPHA

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

March 10, 2020

PREPARED BY:

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



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. 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. We would recommend meeting with the NJDEP to discuss our findings and approach.

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. Construction has begun and the work is approximately 80 % complete. The project should be completed by mid-March 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: \$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 prepared and sent to the contractor for execution.

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: 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 have been completed and the preliminary plans are in progress.

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: 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 once this phase is completed. This information is still outstanding.

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 March. 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, 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. Negotiations are scheduled for March 11, 2020.

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 follow-up conference call was held on 2/5/2020 to address additional questions. An updated DRAFT map was provided on 2/27/2020 as both a PDF file and color hard copy for review along with the Green Acres List and survey plans for reference. On March 6, 2020 the Borough indicated that there are no comments and final documents are to be prepared for the Borough to submit to Green Acres.

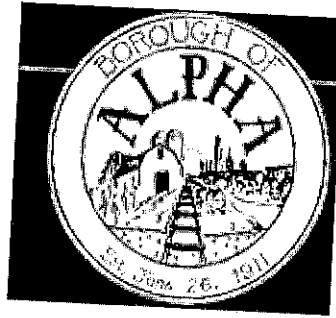
3. Tax Map Maintenance/Revisions for the Borough of Alpha for Tax Year 2020

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 we reviewed the current map and noted any discrepancies for the 2020 BAS Submission as directed. RVE completed the 2020 BAS Submission for Alpha borough, which was received and confirmed by the US Census Bureau on 2/26/2020. They will begin processing our submission shortly and will notify us if they need additional information. This work was completed and delivered to the Census Bureau prior to the 3/1/2020 deadline.



BOROUGH OF ALPHA

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

March 10, 2020

PREPARED BY:

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ACTION ITEMS

None

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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. We would recommend meeting with the NJDEP to discuss our findings and approach.

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ESTIMATED COMPLETION OF CONSTRUCTION: October 2019
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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 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.

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ESTIMATED COMPLETION OF DESIGN: March 2019

ESTIMATED COMPLETION OF CONSTRUCTION: March 2020

CONSTRUCTION COST: \$78,599.00

CONTRACTOR: CMS Services

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ESTIMATED COMPLETION OF DESIGN: April 2020

ESTIMATED COMPLETION OF CONSTRUCTION: November 2020

CONSTRUCTION COST: To Be Determined

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ESTIMATED COMPLETION OF DESIGN: March 2020

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9. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT
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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.

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WATER PROJECTS

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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.

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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.

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

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ESTIMATED COMPLETION OF DESIGN: January 2020

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CONTRACTOR: TBD

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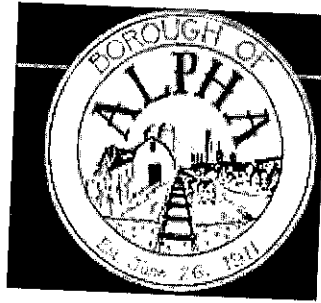
3. Tax Map Maintenance/Revisions for the Borough of Alpha for Tax Year 2020

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(To be filed with Census Bureau by March 1, 2020)**

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addition of any new development to the tax Borough. RVE is already authorized to update and submit this mapping to the Census Bureau and we reviewed the current map and noted any discrepancies for the 2020 BAS Submission as directed. RVE completed the 2020 BAS Submission for Alpha borough, which was received and confirmed by the US Census Bureau on 2/26/2020. They will begin processing our submission shortly and will notify us if they need additional information. This work was completed and delivered to the Census Bureau prior to the 3/1/2020 deadline.



BOROUGH OF ALPHA

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

April 14, 2020

PREPARED BY:

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ACTION ITEMS

None

ROADWAY AND GENERAL ENGINEERING PROJECTS

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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 request has been made but unsure if the NJDEP are conducting any meetings at this time.

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 fully executed by all parties. Construction has begun and the and the project is approximately 50% complete.

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.

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. Work is approximately 35% complete.

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: 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. Final documents are near completion and we will be submitting to the NJDOT for their review and concurrence. We expect to submit by the end of the week once we determine how to submit hard copies signed and sealed.

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 are in progress.

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. 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 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 Early March. Submission for Borough review is anticipated by May 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.

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

Bid documents have been prepared and are being QA/QC. We will submit to Borough for review and then advertise for bid.

**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

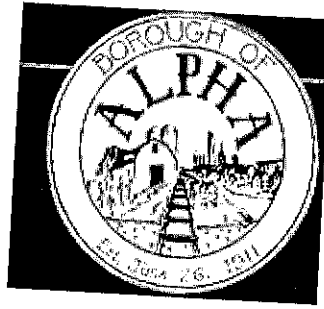
The Leigh Fuel property preliminary assessment (PA) was authorized by Council at the November 28, 2018 meeting and the grant documents have been executed. A site visit was conducted and we performed a desk top survey of the property. The PA is complete and has been submitted to the NJDEP. A proposal 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

GENERAL CAPITAL PROJECTS and UTILITY ENGINEERING STATUS REPORT
April 14, 2020
PAGE 8 OF 8

performed over the course of the year and will be filed with County Tax Board No Later Than
January 2021.



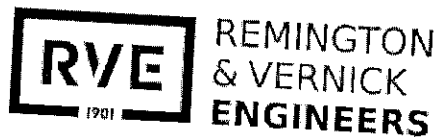
BOROUGH OF ALPHA

**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**



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 he 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 he 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. NJDEP has requested additional survey information.

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
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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.

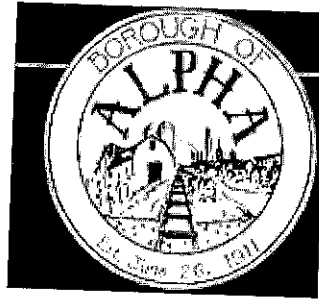
MISCELLANEOUS PROJECTS

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

May 12, 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 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.

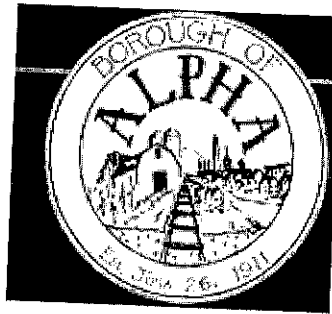
MISCELLANEOUS PROJECTS

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.



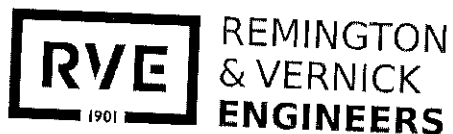
BOROUGH OF ALPHA

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 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 be 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.

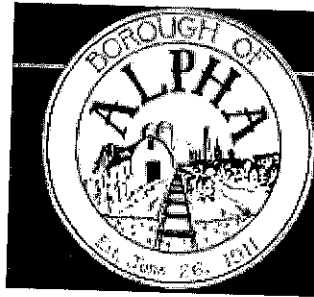
MISCELLANEOUS PROJECTS

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

June 9, 2020

PREPARED BY:

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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

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 be 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.

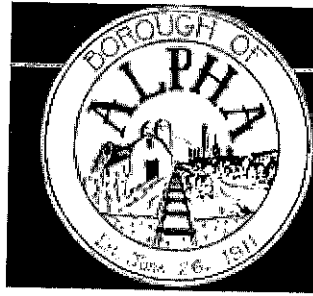
MISCELLANEOUS PROJECTS

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

July 14, 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 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 determined Pursell Street (Park Avenue to Schley Avenue) and Pohatcong Street (1st Avenue to 3rd Avenue) would be the two grant applications submitted. RVE prepared the applications and submitted through SAGE on June 30, 2020. Resolutions passed by Council at their June 23, 2020 meeting for the Grant submissions were sent to the NJDOT to complete the application package. Notice of grant recipients should be announced near the end of October 2020.
3. Alternate Tank Proposal Action Required – See subsequent information.
4. Industrial Drive Thickness Quote Action Required – See subsequent information.
5. Grease Program Reimplementation Action Required – See subsequent information.
6. Frace Inlet 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 preparation is proceeding including plan preparation. 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 early 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 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 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 with an anticipated Notice To Proceed (NTP) of July 20, 2020.

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.

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 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. 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 July 2020.

4. ALTERNATE TANK LOCATION

RVE submitted a proposal dated June 15, 2020 in the amount of \$34,800.00 for services to determine optimum location of a proposed new water tank and improvements necessary to support safe and efficient water system improvements in the Borough. Action by Council is required.

5. 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.

6. Leak Detection

RVE is soliciting quotes from Vendors to evaluate the Boroughs water system for leaks. There has been a very alarming increase in Water Production that is consistent with leaks from the Boroughs Water Mains.

7. INLET AT FRACE

RVE recommendation for a Change in Scope for Contractor. See attached letter.

SANITARY PROJECTS

1. 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.

2. 2020 EMERGENCY CONTRACT ESTIMATED COMPLETION OF DESIGN: APRIL 2020

Bid documents have been prepared. Project is being readvertised.

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

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MISCELLANEOUS PROJECTS

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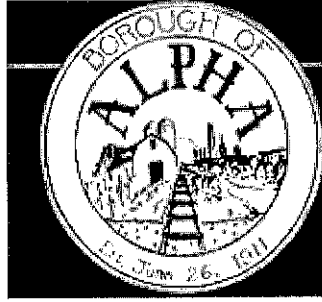
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BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

August 11, 2020

PREPARED BY:

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**REMINGTON
& VERNICK
ENGINEERS**

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 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 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
- 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. 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
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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.

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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.
6. An air release valve for the Frace Street WTP softener vessel was sized for the Borough.

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