ENGINEER'S REPORT

for

Report Date: March 2, 2016

Prepared for:

Pemberton Township
500 Pemberton-Browns Mills Road
Pemberton, NJ 08068-1539

Prepared by:

ENGINEERS
SURVEYORS
PLANNERS

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ARH #32-01001

ROADWAY & DRAINAGE:

1. **2015 Road Program (ARH #32-04024):**
   The final design plans have been completed for the roadway drainage improvements, and plans delivered to Public Works for their use. The locations for the drainage improvements include Arabella Avenue, Hunter Boulevard, & Rhode Island/Washington Boulevard intersection. Public Works will be constructing the roadway upgrades. The anticipated schedule is as follows: Hunter during the last week of February; Arrabella during the first week of March; Rhode Island during the first week of April. All work is weather dependent.

2. **Sinkhole at Scammell Drive (ARH #32-06009):**
   This project has been closed out. Subsequent to closeout, localized settlement had occurred at one area within the project limits. The contractor repaired this area, but neglected to notify our office of the work. Subsequent to this repair, a water service broke in the area of the settlement repair. The Township repaired the water service and the contractor has been put on notice of the problem and advised that we will be monitoring his overall performance on this job. The project is under maintenance bond at this time, which will expire on August 15, 2017.

   Public Works has completed the surface course paving.

DAMS:

1. **Country Lakes Dams #1, #2 & #3 (ARH #32-01014):**
   Country Lakes Dams: Some issues have arisen with the paving that was completed on Choctaw Road at Dam No. 1. We are awaiting lab results from coring work performed on the northbound lane. Once we have this information, we will have a better idea of the extent of permanent asphalt repairs that will be necessary. The temporary repairs that were installed in early January generally seem to be holding up through the winter weather. We anticipate the permanent repair (milling and re-pave) to be performed late March or early April. There are no other outstanding issues with the project. Sufficient funds are being held as retainer by the township to cover the cost of top course pavement repairs.

2. **Bayberry Street Dam (ARH #32-01016):**
   FEMA recently approved increasing the total funding to cover all costs associated with this project on January 12, 2016 (see attached letter). On February 8, 2016 FEMA approved issuance of $643,585.24 (what Pemberton is owed in order to be 100% reimbursed on the project) and can anticipate receipt of the funds within the next month or so.

3. **Pending Items:** ***No status change***

   a. *Formal Inspection of Mirror Lake Dam (ARH #32-01005):*
   The formal inspection report due July 2015 has been submitted to NJDEP on 6/26/2015 and we are awaiting their review and comment.

   b. *Presidential Lakes/Lebanon Forest Dam Inspection (32-01013):*
   The next regular visual inspection is due May 11, 2016. ARH has been authorized to proceed to complete the inspection and submit the report prior to the May 11th deadline.

PARKS & RECREATION:

1. **Nesbit Complex Improvements (ARH #32-01027):**
   As previously reported, the County Planning Board approved a waiver to install the entrance off of Pemberton Browns Mills Road at their October 28, 2014 meeting. Their most current review letter dated November 13, 2015 is a conditional approval and notes some minor comments to be completed prior to them issuing their final approval. Those changes have been made and submitted to the County for final approval and we are waiting on their action. Pinelands approval of the plans has already been obtained.

   To date, both the County and the Township have reviewed the necessary easement documents and deemed them appropriate. One of the conditions of the County final approval is the signatures on the easement documents by the Township and the County prior to their filing. The location of the entrance curb to the parking lot has been agreed to by the County and they have requested proposed curb grades for their review, which have been provided as noted above.

2. **Resurfacing of Various Recreation Courts (ARH #32-01042):**
   All four courts are covered for two years under the maintenance bond and the contractor's two year guarantee, which was scheduled to expire on or about November 22, 2015. A letter advising the contractor and his bonding company of the deficiencies had been sent prior to November 22, 2015, and the contractor has contacted this office to inform us that he has gone out to the courts and made repairs. ARH will re-inspect for compliance after the winter weather is past to see how the repairs have held up.

WATER SYSTEM:

1. **Well #11 Radium Removal (ARH #32-03019):**
   Currently the schedule is proceeding as anticipated.

   Bids were received on the 17th for the equipment purchase and the 5-year maintenance/ operation portion of the project. The only bid submitted was from Water Remediation Technology with an equipment purchase price of $379,844.00 and a yearly O &M fee of $66,750.00 based on passing 75 million gallons through the plant with a quarterly average Radium concentration of 7 picocuries per liter. A letter further explaining the terms of the WRT contract will be forthcoming.

   The filter building construction will be bid on March 2. Since the NJEIT 20-yr loan that was approved combined both the equipment purchase with the building construction, the Township will need to have received both bids before proceeding any further. The Township will likely be in a position to award a contract at the first regular meeting of April, which would allow for total completion of the project by the end of 2016.

SPECIAL PROJECTS:

1. **Proposed Fuel Facility (ARH #32-01012)**
   This project has been closed out with the Contractor. Our office has submitted a report to NJDEP to document the underground storage tank removal work. However, additional investigation of the contaminant impacts to soil/ groundwater will be needed and was outlined in a proposal to the Township dated July 17, 2015.

2. **Senior Center Fire Suppression (ARH #32-01046):**
   This work has been completed and this item will be removed from this report.

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