

# ENGINEER'S REPORT

for



Report Date: May 6, 2015

*Prepared for:*

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

*Prepared by:*



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ARH #32-01001

## **ROADWAY & DRAINAGE:**

1. **East Lakeshore Drive (ARH #32-04022):**

The final work change order has been approved by the Township so we are compiling the closeout documentation for NJDOT funding and will be submitted once complete. The final work change order has already been approved by the Township.

2. **2015 Road Program (ARH #32-04024):**

The survey base map plans have been completed and the design is currently underway for the roadway drainage improvements. The locations for the drainage improvements include Arrabella Avenue, Hunter Boulevard, & Rhode Island/Washington Boulevard intersection. Public Works will be constructing the roadway upgrades upon completion of the design.

3. **Sinkhole at Scammell Drive (ARH #32-06009):**

Our office has begun receiving shop drawings from the contractor and it is estimated the contractor will be mobilized onsite within a week. It is anticipated by the contractor that the construction should take approximately one (1) month.

4. **Noteboom Avenue Drainage (ARH #32-06010): No Status Change**

The design has been submitted to Public Works on February 13, 2015. Public Works is finalizing the installation of this repair.

5. **Pending Items: No Status Change**

a. **NJDOT FY2015 Local Aid Applications (30-04018):**

Our office worked with Administration to complete and submit the following application to NJDOT (awards are typically announced in late spring):

- o Municipal Aid – Sepulga Drive  
Amount requested: \$250,000.00

## **DAMS:**

1. **Country Lakes Dams #1, #2 & #3 (ARH #32-01014):**

Dam #1 – JCP&L has set the Poles for the power and phone line transfer and JCP&L is currently stringing the electrical wire. The current schedule shows JCP&L completing their work then Verizon and Cable can start their line work in the next two weeks. All utility relocation work is on schedule for early June completion. Grouting of the rip rap has been completed. At this time the contractor has vacated the Dam #1 site so utility companies can complete their work efficiently. The project completion date is anticipated to be completed in by the end of the year.

Dam #2 – The new Dam structure is currently functioning and the contractor is completing the downstream stabilization measures and final restoration. The project should be substantially complete by the end of May.

Dam #3 – Our office is currently working with the contractor for the installation of the flat asphalt area behind the guide rail; NJDEP is amenable with this modification. The concept is currently under review by the Township and our office.

2. **Bayberry Street Dam (ARH #32-01016):**

Our office is working with Burlington County as well as dam safety for final acceptance and once this occurs the project can be closed out with the Contractor, letters have been submitted to these entities and we are awaiting final review. Once the project is closed out our office can begin working with FEMA to provide the funding closeout information. Closeout documentation has been submitted to the contractor and once we receive these items we can then work to closeout the project with the Township & FEMA.

3. **Pending Items: No Status Change**

a. **Formal Inspection of Mirror Lake Dam (ARH #32-01005):**

The formal inspection report has been submitted to NJDEP and we are awaiting their review and comment. Our office has been authorized to complete the regular dam inspection for 2015, which is due in July to Dam Safety.

b. **Presidential Lakes/Lebanon Forest Dam Inspection (32-01013):**

The regular 2-year inspection report has been submitted to NJDEP and it has been accepted. Public Works has informed our office that all of the maintenance/repair items noted in the inspection report have been addressed. The next regular visual inspection is due May 2016.

**PARKS & RECREATION:**

1. **Mirror Lake Beach Fencing (ARH #32-01015):**

A proposed sketch of fencing layout has been reviewed with Public Works. At this time the plans are being revised to be submitted to the Township for final approval. Once the layout is confirmed with the Township the contractor can complete their work for phases 1 & 2.

Phase 1:

The chain link fence along the beach side of North Lakeshore Drive has been replaced. The Contractor has completed all fence removal along the other side of North Lakeshore Drive and will begin the wooden "guide rail" style fence installation shortly. The Contractor will install the vinyl split rail fence around the new playground once temperatures consistently warm up to ensure the vinyl split rail fence does not break during installation.

Phase 2:

The Contractor was waiting for the playground to be finalized prior to installing the privacy fencing. The Contractor is also waiting for consistent warmer temperatures to ensure the vinyl fence does not break during installation.

2. **Nesbit Complex Improvements (ARH #32-01027): No Status Change**

*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. The approval came with a number of conditions that we are currently addressing.

Currently, we are working with Baker Residential to get the required easements filed with the County which was a requirement of the development's County site plan approval. Once this occurs we can move forward with resubmitting the County Access plan addressing the conditions noted above. We are also currently confirming the sports usage schedule for the site to assist in the final traffic design submission with the county. The location of the entrance curb to the parking lot has been agreed to by the county pending resolution of the questions raised by the County Engineer on potential traffic. We will be meeting with the County Engineer again after the additional information is provided to their office.

3. **Resurfacing of Various Recreation Courts (ARH #32-01042): - No Status Change**

This project has been completed and it appears that all of the courts may not have cured before the cold weather started. All four courts are covered for the next two years under the maintenance bond and the contractors two year guarantee. We will be working to get the Contractor back onsite to address all issues in the surface within the coming weeks as weather improves.

**WATER SYSTEM:**

1. **Well #11 Radium Removal (ARH #32-03019):**

The formal funding application has been submitted to NJEIT on schedule. We have received Pinelands certificate of filing and a copy has been submitted to the NJDEP in order to allow them to proceed with their review of the water supply permit application. We are also moving forward with our response to the environmental review issued by the NJDEP as part of the NJEIT application compliance review. We await the authorization to award from NJDEP/NJEIT in the fall of 2015.

**SPECIAL PROJECTS:**

1. **Proposed Fuel Facility (ARH #32-01012): No Status Change**

This project has been closed out with the Contractor. Our office has submitted paperwork and reporting to NJDEP to finalize the underground storage tank removal. We are awaiting NJDEP final concurrence.

2. **Senior Center Fire Suppression (ARH #32-01046):**

The design plans and calculations are completed and ready to be submitted for local permits to begin construction, but the project is currently on hold until the Township adopts the resolution to increase the contract to include the removal and replacement of the faulty backflow preventer. Once this is approved the design will be revised to replace the faulty backflow preventer and can then be submitted for review. It is estimated 2 weeks for local permit approvals and then two weeks to mobilize, and finally 2 weeks to install.

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