Vincent J. Polistina, PE, PP, CME
Craig R. Hurless, PE, PP, CME

Polistina & Associates, LLC
Engineers & Planners

Civil / Municipal Engineering
Site Plan and Subdivision Design
Surveying
Land Use Planning
Water and Wastewater Design
Environmental Consulting
Inspection / Construction Management

Engineer's Report
Egg Harbor Township MUA
May 15th, 2013

Engineering Projects

1. Emergency Maintenance Contract

Weco Construction completed the replacement of two manhole frame and covers at separate locations along Tilton Road last month. Both manhole covers are located in the lane of travel and broke as a result of traffic and age. A piece of one of the broken lids feel into the manhole near Goldenrod Lane and required Caprioni's services to remove it.

Weco Construction also excavated the cleanout lateral for 3 Surrey Drive due to root growth. A cleanout riser was not found during the excavation. A new riser was installed between the concrete curb and sidewalk.

No billing has been submitted at this time.

2. ACUA Contract Administration

The maintenance logs from ACUA have been consistent the past few months, we continue to see a high amount of ragging issues and noted the need to pull pumps from several stations. The Authority currently has four (4) stations down to a single pump. The following stations has pumps out for service: Fernwood Hills, Meadow Run, West Jersey and Lyons Court.

A new pump has been selected for the West Jersey station and has been ordered. The replacement Barnes pump will cost $4,315.00. The pumps from the Fernwood Hills and Meadow Run stations were removed due to a damaged impeller and damaged power cord respectively.

Within the past two weeks both pumps failed at the Lyons Court station, leaving the station without an operational pump for a period of about 36 hours. During that time Caprioni provided bypass services. In that time one pump was repaired and returned, we are waiting on the return of the second pump.

Replacement wear rings have been ordered for the pumps at the CountryAire and Delaware stations due to wear.

6684 Washington Avenue, Egg Harbor Township, NJ 08234
Phone: 609.646.2950 Fax: 609.646.2949
E-mail: polistinaassoc@comcast.net

3. Spills

The Authority did not experience any spills over the course of the last month.

4. FAA PS Relocation and Gravity Main Extension

Due to the environmental issues involving the dewatering for a gravity main extension the project has been modified to provide for a new wet well and control building at the existing site.

We have obtained revised pricing for the necessary subsurface investigations and will be scheduling to have those completed within the next month to determine the extent of the site contamination.

5. Miami Pump Station Elimination - Gravity Main Extension

Our office met with representatives from FEMA within the past week and the response was favorable for the elimination of the Miami Pump Station and extend a gravity main across the Black Horse Pike to the Bayport Pump Station. We will be submitting additional materials to FEMA illustrating the alternatives and the costs associated with each option.

Eliminating the station and constructing the gravity main is a cheaper alternative initially and for the long term. We have begun the process of preparing the application materials for submission of a Treatment Works Approval and determine if a CAFRA approval is required.

The new Godwin pump is operating the pump cycling for the station.

6. West Atlantic City Rehabilitation Phase III

The contractor has completed the replacement of all the asbestos mains and laterals within the project limits. The temporary restoration was completed on all of the affected roadways. The contractor has also completed the lining of the 15" main that crosses under the Black Horse Pike addressing several leaks that were found during the most recent video inspection. The final restoration is anticipated to be completed within the next several weeks.

We have recommended a payment in the amount of $45,544.91 for the work completed to date.

7. West Avenue and Tilton Road - Re-Bid

The contractor is finalizing the road opening permit and detour plan requirements with the EHTPD and Atlantic County Engineering office due to the road closure and detours necessary to complete the work. Work is anticipated to begin in June once school is out of session.

8. Delilah Oaks Video Inspection

The contractor has completed the jetting and video inspection of all but two of the mains located within the project limits. The two mains to be completed are in rear yard easements and will require the reestablishment of the easement by the Authority Landscape contractor prior to being completed. A

substantial amount of grease was found in the mains immediately upstream of the Storybook pump station.

We have recommended a payment in the amount of $5,826.52 for the work completed to date.

9. Washington Avenue Interceptor Rehabilitation

The design plans, specifications and loan application for the submission to the NJDEP Environmental Infrastructure Trust were submitted at the end of March. Based on the Trust schedule we anticipate receiving approval on the plans and specifications in the fall but the money not being available until next spring.

The project involves the lining of the twenty-seven (27") RCP interceptor that carries flow along Washington Avenue from the head of the line near the Garden State Parkway overpass to the metering chamber located at the Municipal Border with the City of Pleasantville.

10. FEMA Hazard Mitigation Grant Program

Our office assisted the Authority Clerk with the preparation of Letters of Intent to request grant funding for the purchase of permanent standby generators, a portable generator and a large portable bypass pump. Based on the submission criteria FEMA will provide funding up to 75 percent of the project costs. We do not anticipate obtaining funding for all of the stations but are hopeful several can be upgraded via this funding source.

11. Bargaintown (Brookside- Joanne) Cleanout Locations

The Authority will receive bids for this project on May 14th. We will provide a report of the bids during the meeting.

12. Cardiff Pump Station Upgrades

We are beginning to prepare the design documents for the upgrade of the Cardiff station. The upgrades will include replacement of the existing pumps and control system and additional of a standby generator and Mission telemetry unit. We anticipate have documents ready for public bid by the summer.

13. Priority Lists

During the April meeting is agreed to extend the current Capital Extension listing. The Rehab list was amended based on comments during the recent budget meeting and will be distributed prior to this month's meeting.

Developer Projects

Extension Applications

There are no developer funded sanitary system expansion projects currently underway.

Connection Applications

1. Bellevue Properties

The application is for the installation of a new lateral connection to service an existing office building. The was previously serviced via from an existing connection, but due to the subdivision of the property service through the existing connection was not permitted.

2. Portnoy - 143 Bevis Mill Road

The application is for the installation of a new lateral connection to service a proposed single-family dweling.

Change of Use Applications

None

_____
Vince Polistina
Authority Engineer