

## **CHELTENHAM TOWNSHIP SUMMARY OF SANITARY SEWER PROJECTS AND WORK COMPLETED FIRST QUARTER 2014**

### **Act 537 Plan**

1. Arro and BCM collaborated with Cheltenham Township and the municipal engineers from Abington and Jenkintown on final plan revisions, clarifications, etc., in particular regarding draft Agreement flow limits for each municipality and related cost-sharing responsibilities.
2. The Plan is essentially complete and awaits adoption by all participating municipalities.
3. Comments/revisions continue to be generated by participating municipalities on the new draft Agreements. As such, satisfactorily addressing these comments and submitting the Plan to PADEP with final Agreements attached should be completed by early next year.

### **Corrective Action Plan ("CAP") Sewer Rehabilitation Phase 2**

1. This project involved the lining of approximately 33,000 feet of sewer in the area bounded by High School Road/Shoemaker road/Meetinghouse Road/Township Line Road (Elkins Park). The Township continues to meter flow from the project area to quantify the effects of the improvements and determine if flows were reduced sufficiently to allow for new EDU connections has been completed. A portable meter is used to generate data. BCM has completed and submitted an analysis of the data, with a connection management plan to the Township engineer.

### **CAP Interceptor A Sanitary Sewer Lining Phases 1A and 1B**

1. The project involves the lining of approximately 11,000 feet of Interceptor A between Rices Mill Road and Old York Road. This required temporary bypass pumping while lining occurs through the use of above ground pumps and piping.
2. The sewer lining field work was completed 9/13/13.
3. The project required coordination with PECO as well as with the stream bank restoration work in Ralph Morgan Park.
4. BCM continues to review television inspections of the existing Interceptor A along this length and has identified numerous sources of infiltration that will be eliminated via this lining project.
5. The video submission, punch list work, and warranty acceptance are underway.

### **Interceptor A Replacement – Phases 2A, 2B and 3**

1. BCM is continuing with the replacement design of the interceptor along Tacony Creek, from York Road to Central Avenue. This includes development of base topography plans from previously completed aerial surveying, manhole and utility surveying, system layout and connections, basic pipe design and material selection, PADEP and other Agencies permitting, bidding and technical specifications, site inspections, etc.
2. A meeting was held with Cheltenham Staff to review preliminary layout and design. Options were discussed and are being further investigated by BCM. Cheltenham is providing additional information to assist the design. A follow-up working meeting is scheduled for October 31 to review the preliminary design which will be presented at a public meeting of the Public Works Committee on November 13, 2013.
3. The design is being coordination with the replacement of the Tookany Creek Parkway Bridge replacement project and Tookany Creek Trail Master Plan.

### **Additional Items**

1. Act 537 Plan recommends updating the agreement with PWD raise the flow limit from the Township from 18 cfs to 29 cfs. PWD has stated that the agreement must be modified now. A new amendment from PWD has been received and is under negotiation.
2. BCM has begun a flow metering project using Township staff and portable meters to be installed at various locations to monitor flow rates during wet and dry periods. The information obtained will be analyzed to determine the effectiveness of prior repairs and locate other areas where I/I repairs are needed.
3. Chapter 94 report was submitted to PaDEP and the Philadelphia Water Department. Also a report for the service area flowing to Abington Township was submitted.

## Cheltenham Township: Correction Action Plan (CAP) Quarterly Status

(revised 4/4/2014)

Corrective Action Plan Task	Status	Comments
Interceptor "A" Bypass Pumping	ONGOING	Currently in operation. Anticipated to no longer be needed after Interceptor A Replacement Phases 2A, 2B, and 3 are completed (target date: early 2015).
Act 537 Plan	ONGOING	Awaiting intermunicipal agreement between Cheltenham, Abington, and Jenkintown. Expected submission to PADEP with agreements early 2014.
PWD Intermunicipal Agreement	ONGOING	Update agreement with PWD to raise flow limit from Township from 18 cfs to 29 cfs. Amendment from PWD was received and is currently under review. Agreement must be in place prior to 537 approval.
Connection Management Plan (CMP)	ONGOING	Updated and submitted to PaDEP and approved late October.
Phase 1: Point Repair/Replacement	COMPLETED	Item 5c of the CAP
Phase 1A and 1B Sanitary Sewer Lining	90% COMPLETE	Construction was completed in Sept 2013. Video submission and warranty acceptance underway. <b>Flow metering project started to quantify the lining improvements.</b>
Phase 2: Lining of Sanitary Sewers and Laterals	95% COMPLETE	Construction is complete. Final CCTV report and videos in progress
Phase 2A, 2B, & 3: Interceptor "A" Replacement, Manhole A-94 to A-31	ONGOING	Preliminary design presented November 2013. Preapplication meetings completed December 2013. Preparation of permits are nearly complete
Phase 4: Interceptor "A" Replacement, Manhole A-31 to A-1	HAS NOT STARTED	Section A-36 to A-31 removed and added to Phase 2A
Phase 5A, 5B: Replacement of Sewer from Phase 1A/1B lining*	HAS NOT STARTED	If necessary*
Hydrogeologic/Groundwater monitoring study	COMPLETED	Installation of groundwater (GW) monitoring wells by Del Val. High GW areas would have lateral rehab priority. Item #6b in 2012 CAP
JC Melrose Interceptor D Pipe Bridge & Sanitary Sewer Replacement	COMPLETED	Completed in 2012
Roof Drain Inspection and Disconnections	HAS NOT STARTED	Item #7 in 2012 CAP. Scheduled to begin in 2014
Manhole Inspection Program	COMPLETED	
Manhole Rehabilitation	HAS NOT STARTED	Review MH field inspection results, determine MH's to be replace, develop contract documents
Development of FOG ordinance	ONGOING	The ordinance for management of fats, oils and grease in the sanitary sewer system. Adopted late 2013. Implementation and compliance issues being reviewed by Township and Township Engineer
Sump Pump Inspections	ONGOING	