

**CHELTENHAM TOWNSHIP SUMMARY OF SANITARY SEWER PROJECTS AND WORK COMPLETED
SECOND QUARTER 2015**

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. Comments generated by participating municipalities were incorporated into the Agreements.
3. The completed plan was approved by all municipalities and submitted to PaDEP 10/2014.
4. Meetings were held with PaDEP to review the plan 12/2014. PaDEP has requested that the plan be withdrawn and revised to emphasize long range I/I reduction and remove equalization tank planning.
5. Monthly meetings are being held with PaDEP to review the progress of plan revisions and study for I/I reduction.

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

1. The project involved 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. Prior to the project, BCM reviewed the television inspections of the existing Interceptor A along this length and identified numerous sources of infiltration that were eliminated via this lining project.
5. All project administration work is complete and the project has been closed out.

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

1. BCM is continuing with the replacement design of the interceptor along Tookany 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. An additional crossing was added to the project to remove a portion an existing connector that has been a source of SSOs and constant maintenance work. The crossing is located behind Ogontz Park.
3. An additional crossing and design modification behind the Public Works facility has been added to the project. This will allow the removal of the Public Works pumping station also a source of maintenance work and operational costs.
4. Wetlands investigations and clearance reports for all utility line stream crossings were prepared and provided to Cardno BCM by Munro Ecological Services in August 2014.
5. The design is being coordination with the replacement of the Tookany Creek Parkway Bridge replacement project and Tookany Creek Trail Master Plan.
6. The project was submitted for permits (NPDES, Stream Crossings, Water Quality, Highway Occupancy) 10/2014.
 - a. NPDES (MCCD) review received 3/2015 and plans are being revised for resubmission 7/2015.
 - b. Stream Crossings (PaDEP) review received 5/2015 Revisions in progress.
 - c. Stream Crossings (ACoE) review received 5/2015; Revisions in progress.
 - d. Water Quality (PaDEP) permits received 1/2015.
 - e. Highway Occupancy (PennDOT) permits received 11/2014.
7. PaDEP has stated a desire to expedite the permitting prior to Act 537 Plan approval with the expectation that the project will be alleviating a large source of Inflow and Infiltration into the sewer system.
8. Construction Bids were received 5/2015 from 5 contractors and rejected due to unexpected high costs.
9. Meetings have been held with Township Officials to discuss and finalize design revisions for reducing construction costs and meeting additional permit requirements.

Additional Items

1. The agreement with PWD raise the flow limit from the Township from 18 cfs to 29 cfs has been approved by all municipalities and PWD 9/2014
2. In late-August, six (6) flow meters were installed through the Township to collect flow data for a period of 52 weeks. The information obtained will be analyzed to determine the effectiveness of prior repairs and locate other areas where I/I repairs are needed.
3. In light of the submitted documentation showing a reduction of flows as a result of the work completed in the watershed, PaDEP released 584 EDUs on June 16 for the revised Connection Management Plan submitted 5/29.

Cheltenham Township: Correction Action Plan (CAP) Quarterly Status

(revised 7/1/2015)

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 2016).
Act 537 Plan	ONGOING	Monthly meetings are being held with PaDEP to review the progress of plan revisions and study for I/I reduction based on more recent data for improvement recommendations
PWD Intermunicipal Agreement	ONGOING	Update agreement with PWD to raise flow limit from Township from 18 cfs to 29 cfs. Approved by Cheltenham, Abington, Jenkintown and PWD 9/2014. Agreement required to be in place prior to Act 537 plan approval.
Connection Management Plan (CMP)	ONGOING	In light of the submitted documentation showing a reduction of flows as a result of the work completed in the watershed, PaDEP released 584 EDUs on June 16 for the revised Connection Management Plan submitted 5/29.
Phase 1A and 1B Sanitary Sewer Lining	COMPLETED	Construction was completed in 9/2013. Flow metering project started to quantify the lining improvements. Closeout administration work in progress.
Phase 2: Lining of Sanitary Sewers and Laterals	COMPLETED	Construction is complete. Closeout administration work completed. Final change order and payment approved
Phase 2A, 2B, & 3: Interceptor "A" Replacement, Manhole A-94 to A-31	ONGOING	MCCD NPDES and ACoE/PaDEP Stream Crossings Permit review revisions in progress. PennDOT and PaDEP WQMII permits obtained. Construction Bids were received 5/2015 from 5 contractors and rejected due to unexpected high costs. Meetings have been held with Township Officials to discuss and finalize design revisions for reducing construction costs and meeting additional permit requirements.
Phase 4: Interceptor "A" Replacement, Manhole A-31 to A-1	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*	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	NOT STARTED	Item #7 in 2012 CAP. Awaiting implementation.
Manhole Inspection Program	COMPLETED	
Manhole Rehabilitation	NOT STARTED	Review field inspection results to determine manholes to be replaced. Contract documents to be developed.
Development of FOG ordinance	ONGOING	The ordinance for management of fats, oils and grease in the sanitary sewer system was adopted late 2013. Implementation and compliance issues being reviewed by Township and Township Engineer
Sump Pump Inspections	ONGOING	