

**CHELTENHAM TOWNSHIP SUMMARY OF SANITARY SEWER PROJECTS AND WORK COMPLETED
SECOND QUARTER 2016**

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 PaDEP has requested that the plan be withdrawn and revised to emphasize long range I/I reduction and remove equalization tank planning.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.
6. Bi-weekly technical meetings are being held with DEP, PWD, Abington, and Jenkintown to prepare the detailed I/I reduction plan (Now referred to as CAP)

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. Construction Bids were received 5/2015 from 5 contractors and rejected due to unexpected high costs.
7. Meetings were held with Township Officials to incorporate design revisions for reducing construction costs and meeting additional permit requirements including placement of fill material within the Township
8. The revised project was resubmitted for permits (NPDES, Stream Crossings, Water Quality Management, Highway Occupancy) 11/2015.
 - a. NPDES (MCCD) permit received 1/2016.
 - b. Stream Crossings (PaDEP) review in progress.
 - c. Stream Crossings (ACoE) review in progress.
 - d. Water Quality Management (PaDEP) permit received 12/2015.
 - e. Highway Occupancy (PennDOT) permits received 11/2014 and extension received 10/2015.
9. ACoE and the Pennsylvania Historical and Museum Commission (PHMC) are requiring historical investigation for the project. CHRS Inc. has been hired to prepare a Phase 1A Archeological Survey Investigation (Geomorphological Evaluation) to determine if a Phase 1B Archeological Survey Investigation is required and to the extent needed to satisfy ACoE and PHMC requirements. The archeologists have completed their field work and are finalizing the report.
10. ACoE determined the project site contains areas of possible Bog Turtle habitat. The project was submitted to US Fish and Wildlife for further review and made the final determination that the project is not likely to adversely affect any bog turtles.
11. ACoE is requiring additional wetlands investigation be made in the area near the Fire Training Facility. While the project will not encroach in this area, the bypass pipe does. The ACoE is requiring that the Jurisdictional Determination (JD) Plans include this area for the eventual removal of the pipe. A proposal for this additional work has been submitted.

Additional Items

1. The agreement with PWD raise the flow limit from 18 cfs to 29 cfs has been approved by all municipalities and PWD 9/2014. Option 3 is being evaluated to determine if the flow limit can be reduced back down to 18 cfs.
2. Meters were installed in 2014, 2015 and 2016 including for the Abington connections. Currently there are 19 meters throughout the system.
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 6/16/2015 for the revised Connection Management Plan submitted 5/29/2015.

Cheltenham Township: Correction Action Plan (CAP) Quarterly Status

(revised 6/30/2016)

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 2018).
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 5/29/15.
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	Plan revisions for cost reduction and permit review completed and resubmitted to ACoE, PaDEP, PHMC, and MCCD. PaDEP WQMII permit approved for revisions. NPDES permit obtained. Phase 1A Archeological Investigation as required by PHMC and ACoE started. Phase 1B Investigation may also be needed. Additional Bog Turtle investigation confirmed no impact. PennDOT permits extended. ACoE requiring additional wetlands investigation.
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	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	Contract documents are currently being prepared. The manhole rehab will take place with the upcoming Regional Repair projects.
Development of FOG ordinance	COMPLETED	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
Lateral Ordinance	NOT STARTED	Ordinance currently being prepared for adoption by 8/2016
Sump Pump Inspections	ONGOING	