

## **2019 Collection System Repairs & Maintenance**

### **City of Hazleton – System Repairs and Improvements**

- Buntun Bock Area Sewer Separation & Improvement Projects:
  - Closed diversion gate in Mill Street Diversion Chamber to allow only stormwater discharge to outfall.
  - Installed 3 flowmeters for post-construction flow monitoring of separated sanitary sewer and stormwater lines.
- Chrismark Drive main repairs: Repaired break in 8” main at defective lateral connection.
- Johns Avenue infiltration repairs: Installed pipe sleeves at 3 locations to eliminate infiltration through joints in 8” VCP main.
- Pine Street main repair: Repaired damaged pipe connection from storm inlet to 15” combined main.
- Vine Street force main repair: Repaired break in 12” force main. Installed new 45-degree bend and solid sleeve.
- Repaired, raised to grade and replaced defective frames and covers for 63 manholes.

### **City of Hazleton – System Maintenance & Inspection Program**

- Flushed and cleaned approximately 20,000 linear feet of mains.
- Flushed and cleaned 73 manholes.
- Closed circuit television (CCTV) inspection of approximately 34,000 linear feet of mains.
- Continued flow monitoring at 3 locations for future separation projects pre-construction flow studies.

### **West Hazleton Borough – System Repairs and Improvements**

- Area 2 Stormwater Separation Project:
  - Completed installation of new separate storm sewer system on West Green Street, Winters Avenue, Ridge Avenue, Samborowski Street,

Hagelgans Street, and Stankevich Street. Installed 25 new storm inlets, 6 new storm manholes, and approximately 3,300 linear feet of new storm pipe. Constructed new outfall area for separated storm system.

- Performed dye testing and investigative work related to eliminating roof drains from formerly combined sanitary/stormwater system. Total of 343 properties inspected and 189 units identified for removal. 148 disconnections completed thru December 2019.
- Susquehanna Blvd main repairs: Replaced approx. 60 linear feet of deteriorated 8” VCP pipe with new PVC.
- Oak & 5<sup>th</sup> Streets inlet replacement: Replaced 1 deteriorated storm inlet connected to combined main with new inlet box, frame & grate.
- Harvey Street storm inlet repair: Rebuild concrete riser and replace frame & grate for storm inlet connected to combined main.
- Adams Avenue manhole repair: Repaired manhole riser and replaced defective square frame & cover with new round frame & cover.
- Wayne Street manhole repairs: Repaired 2 manhole risers and replaced 2 defective square frames & covers with new round frames & covers.
- South Broad Street manhole repairs: Rebuild 2 manhole risers and replace defective frames & covers.
- West Green Street manhole repair: Rebuild manhole riser and replace defective frame & cover.
- Jaycee Drive main relocation project: Began construction of new sewer main to relocate old main out of bridge abutment wing wall on Jaycee Drive, and re-route through easement adjacent to Unico Drive. Approximately 800 linear feet of new 12” PVC pipe and 3 new manholes installed. Project to be completed in early 2020.

#### West Hazleton Borough – System Maintenance & Inspection Program

- Flushed and cleaned approximately 8,000 linear feet of mains.
- Flushed and cleaned 19 manholes.
- Flushed and cleaned 4 storm inlets.
- Closed circuit television (CCTV) inspection of approximately 12,000 linear feet of mains.