

## **2017 Collection System Repairs & Maintenance**

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

- Bunton Bock Area Sewer Separation & Improvement Projects:
  - Performed dye testing and investigative work related to eliminating storm inlets and roof drains from sanitary system. Inspected 599 properties and had 438 roof drain leaders removed from sanitary sewer system.
  - Performed dye testing and investigative work to identify sanitary laterals incorrectly connected to storm drainage system.
- Berner Avenue & Poplar Street sinkhole repair: Repaired void area at manhole which had been allowing infiltration. Removed loose fill and replaced with flowable concrete fill.
- Laurel Street main repairs: Replaced 25 linear feet of defective 6” TCP pipe between Birch St and Beech St with new 6” PVC pipe.
- Wyoming & Holly sinkhole repair: Repaired defective pipe connection to stone arch which had been allowing infiltration. Removed loose fill material and replaced with flowable concrete fill.
- Thirlwell Avenue sanitary/storm repairs: Repaired damaged storm pipe and removed sanitary lateral from storm main, reconnected to sanitary main.
- Wilson Drive main repair: Replaced 10 linear feet of defective 8” TCP pipe with new PVC pipe.
- Berner Avenue & Oliver Court sinkhole repair: Replaced 10 linear feet of defective 24” storm pipe which had been allowing infiltration into sanitary main. Repaired connection to manhole.
- Hemlock Street & Bennett Court sinkhole repair: Repaired washout at stone arch which had been allowing infiltration.
- Laurel Street & Spring Street main repair: Replaced 10 linear feet of defective 12” TCP pipe with new PVC pipe, installed cleanout riser for flushing access.
- Meade Court & 5<sup>th</sup> Street main repairs: Replaced 10 linear feet of defective 8” TCP sanitary and storm mains with new PVC pipe. Installed cleanout risers for flushing access. Replaced defective storm inlet with new inlet.
- Berner Avenue, Carleton Avenue, Samuels Avenue storm main repairs: Repaired breaks in 12” storm mains which had been allowing infiltration into sanitary mains.
- 10<sup>th</sup> & Sherman Streets main repair: Replaced 20 linear feet of damaged 6” TCP pipe with new PVC pipe. Installed cleanout riser for flushing access.
- Alter Street & 4<sup>th</sup> Street main repairs: Replaced 10 linear feet of damaged 15” TCP pipe with new PVC pipe.
- Wyoming & 4<sup>th</sup> Streets sinkhole repair: Repaired defective pipe connection to 15” combined main which had been allowing infiltration.
- Repaired, raised to grade and replaced defective frames and covers for 84 manholes.

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

- Flushed and cleaned approximately 21,000 linear feet of mains.
- Flushed and cleaned 41 manholes and 15 storm inlets.
- Closed circuit television (CCTV) inspection of approximately 41,000 linear feet of mains.

### West Hazleton Borough – System Repairs and Improvements

- Putnam & 17<sup>th</sup> Streets – Repaired manhole riser and replaced defective frame & cover.
- 22<sup>nd</sup> St & Park Circle – Repaired manhole riser and replaced defective frame & cover.
- 19<sup>th</sup> & North Broad Streets – Raised 2 manholes to grade and repaired tops, including new frames & covers.
- Oak & 4<sup>th</sup> Streets – Replaced deteriorated storm inlet connected to combined main with new inlet box, frame & grate. Re-routed sewer lateral around new inlet box.
- 5<sup>th</sup> & Horn Streets – Repaired break in 8” TCP main with new PVC pipe, installed cleanout riser for flushing access.
- Fawn Drive – Adjusted 3 manholes to new road grade.
- Jefferson Ave & Putnam Street – Repaired deteriorated storm inlet connected to combined main by rebuilding concrete riser, installed new frame & grate.
- 5<sup>th</sup> & Boundary Streets – Repaired deteriorated storm inlet by rebuilding concrete riser, installed new frame & grate.

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

- Flushed and cleaned approximately 4,000 linear feet of mains.
- Flushed and cleaned 11 manholes and 11 storm inlets.
- Closed circuit television (CCTV) inspection of approximately 6,400 linear feet of mains.
- Installed 2 flow monitoring devices in combined mains on Ridge Avenue & Stankevich Street.

### GHJSA Interceptors and CSO Repairs/Improvements

- North Poplar Street CSO outfall repairs: Replaced 120 lf of deteriorated 30” concrete pipe with new ADS polyethylene pipe. Regraded outfall channels.