

## **2020 Collection System Repairs & Maintenance**

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

- Bunton Bock Area Sewer Separation & Improvement Project:
  - Completed post-construction flow monitoring of separated sanitary sewer and stormwater lines.
- Area 10 Partial Sewer Separation Project:
  - Began dye testing and investigative work related to eliminating cross-connections in both the sanitary sewer and stormwater systems. Total of 74 properties inspected through 12/31/20.
- Hemlock St & Poplar St sinkhole repair: Repaired loose area at pipe penetration into stone arch and backfilled area with flowable concrete fill.
- Wyoming St & Hemlock St sinkhole repair: Repaired loose area at pipe penetration into stone arch and backfilled area with flowable concrete fill.
- Hemlock St & Cedar St sinkhole repair: Repaired loose area at pipe penetration into stone arch and backfilled area with flowable concrete fill.
- Locust Street force main repair: Repaired break in 12” force main. Installed new 45-degree bend and solid sleeve.
- Alter St & 6<sup>th</sup> St main repair: Replaced approx. 10 linear feet of defective 18” TCP pipe with new PVC pipe.
- Vine St & Juniper St manhole repairs: Enlarged pipe opening into stone manhole to accommodate proper pipe size.
- Repaired, raised to grade and replaced defective frames and covers for 47 manholes.
- Adjusted to grade for street paving approx. 40 manholes.
- Completed root control treatment program with approximately 2,250 linear feet of mains treated on Meade Ct., Hayes St., Allan Rd., Franklin St., and Hunter Rd.

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

- Flushed and cleaned approximately 7,000 linear feet of mains.
- Flushed and cleaned 30 manholes.
- Flushed and cleaned 17 storm inlets.
- Closed circuit television (CCTV) inspection of approximately 15,000 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 dye testing and investigative work related to eliminating roof drains from formerly combined sanitary/stormwater system. Total of 343 properties inspected and 180 units disconnected.
  - Began post-construction flow monitoring with two flowmeters installed to evaluate flow reduction to Ridge Ave. Vortex Separator.
- Jaycee Drive main relocation project: Completed 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 1,680 linear feet of new 12” PVC pipe and 6 new manholes installed.
- Jaycee Drive main repairs: Replaced approximately 10 linear feet of deteriorated 8” VCP pipe with new PVC.
- Rotary Drive sanitary main repairs: Replaced approx. 10 linear feet of damaged 10” VCP pipe at storm washout area with new PVC pipe.
- Rotary Drive storm main repairs: Assisted Borough with temporary repairs to deteriorated storm main.
- Allen Street sinkhole repair: Repaired break in 12” VCP storm pipe connected to combined stone arch. Backfilled area with flowable concrete fill.
- Ridge Avenue & Yuknis Street sanitary and storm repairs: Relocated approx. 15 linear feet of 12” storm pipe which had conflicted with sanitary manhole access. Rebuilt sanitary manhole riser and raised to grade.
- Washington Avenue manhole repair: Repaired manhole riser and replaced defective square frame & cover with new round frame & cover.
- Irving Street manhole repairs: Repaired 2 manhole risers and replaced defective frames & covers.
- Completed root control treatment program with approximately 6,100 linear feet of mains treated on Susquehanna Blvd., West 22<sup>nd</sup> St., Penn St., Quincy St., Cindy St., Jaycee Drive, and Kiwanis Blvd.

## West Hazleton Borough – System Maintenance & Inspection Program

- Flushed and cleaned approximately 12,000 linear feet of mains.
- Flushed and cleaned 31 manholes.
- Flushed and cleaned 4 storm inlets.
- Closed circuit television (CCTV) inspection of approximately 12,500 linear feet of mains.