

# WASTEWATER COLLECTION & TREATMENT

NEWARK, NEW YORK



**COMPLETION DATE**  
2016

**LOCATION**  
Newark, New York

**CLIENT**  
Village of Newark

Following notification by the New York State Department of Environmental Conservation (DEC), the village wastewater treatment plant, sanitary collection system, and discharge system needed upgrades to meet regulatory requirements. The village retained MRB Group to address environmental and public health risks and mitigate potential violations. MRB Group evaluated existing wastewater infrastructure and prepared an engineering report detailing conditions and recommending improvements.

The report served as the basis for a comprehensive improvement plan initiated by the village. The plan included the following:

- Upgrades and expansion to the wastewater treatment plant
- Replacement and/or rehabilitation of the plant outfall
- Replacement and/or relining of sections of the sanitary collection system most susceptible to inflow and infiltration (I&I) problems
- Replacement of the East Newark pump station
- Asset management strategies to ensure long-term viability of the system

MRB Group provided topographical surveys and base maps and facilitated a geotechnical review for improvements to the plant outfall and sewer rehabilitation. The plan relocated the discharge of the plant's treated effluent from Ganargua Creek to the Erie Canal – a shorter and more accessible outfall route – and included rehabilitation of more than 20,000 linear feet (lf) of sewers.

MRB Group utilized smoke-testing and video technology to determine locations of direct stormwater inflow, e.g., catch basins, unsealed manholes, etc., and locations suitable for slip-lining or spot sewer replacement. The anticipated significant I & I reduction will also reduce operational expenses and costs to community residents.

MRB Group's responsibilities included coordinating several of the village's outstanding permits and approvals with federal and state regulatory agencies and provided the Village with technical assistance to secure external funding for the project.

**MRB** | *group*