

**Oakland-Macomb Interceptor Drain  
Maintenance, Extension and Improvement Project**

The Project consists of the following: structural rehabilitation of the Oakland-Macomb Interceptor Drain and necessary ancillary construction wastewater facilities controlled by the Oakland-Macomb Interceptor Drain Drainage District, which consists of sanitary sewer interceptors, a sewage pumping station and ancillary wastewater facilities owned by and located within the City of Detroit, and currently leased to the Great Lakes Water Authority, and commonly known as the Northeast Sewage Pumping Station ("NESPS") and the North Interceptor East Arm ("NIEA").

The NESPS and portions of the NIEA are the downstream terminus for the Oakland-Macomb Interceptor Drain ("OMID"), which conveys wastewater from approximately 850,000 residents and property owners located within Oakland and Macomb counties.

The NIEA is a sewer interceptor originally constructed under City of Detroit, Detroit Water and Sewerage Department Contracts PCI-4, PCI-18 and PCI-19, consisting of seven (7) miles of interceptor sewer (located between PCI-4 and Meldrum Road, in the City of Detroit).

Work on the NESPS will include the following:

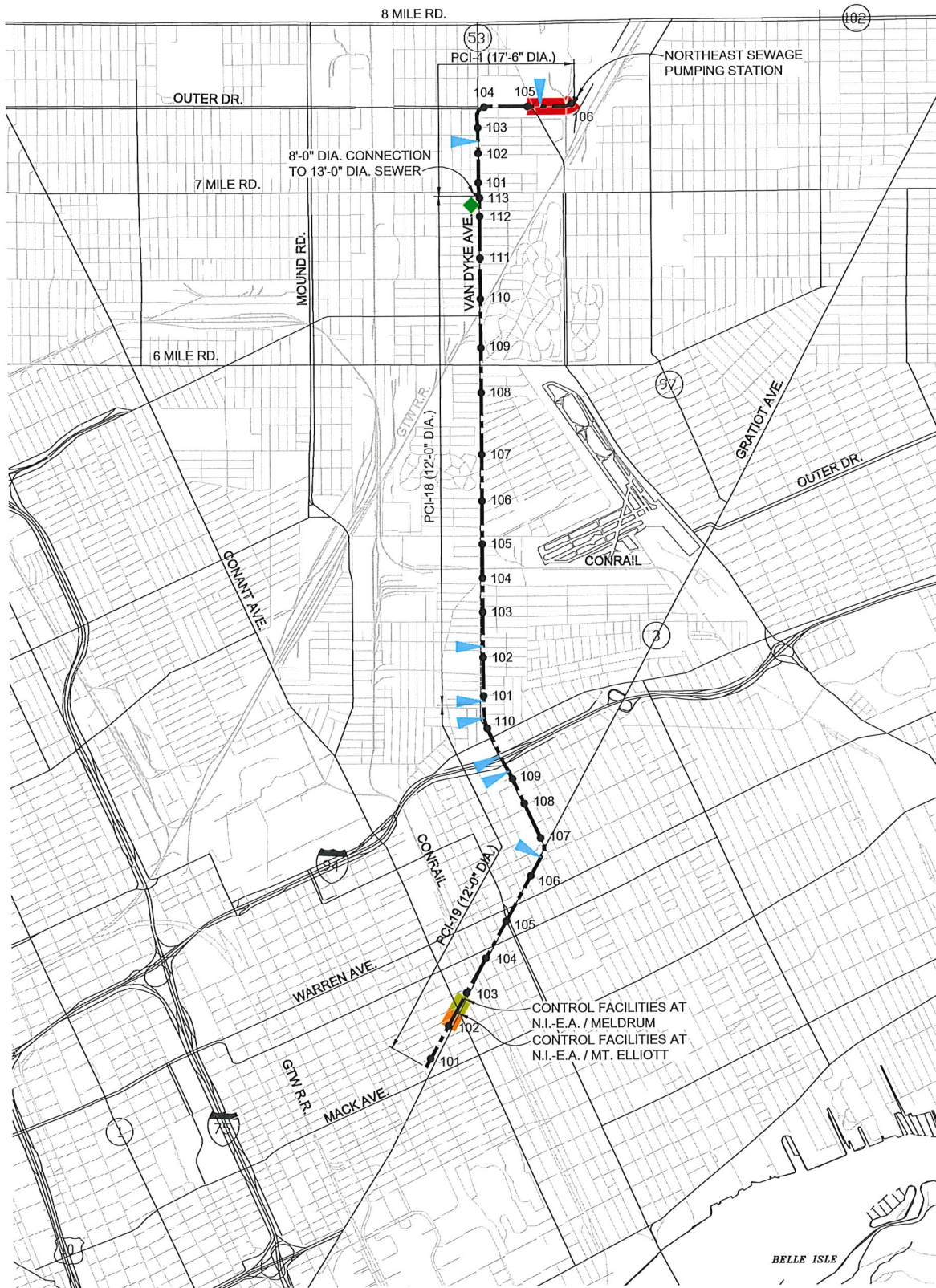
- Site work.
- New building to house office space for operations.
- All new switch gear, motor starters, breakers that will provide all new electrical feeds to the existing facility.
- New utilities connections, transformers, pumping equipment motors, electrical equipment, wire, conduit, controls, programming, communications networking, valves, piping, replacement and/or refurbishment including all related appurtenances to provide for turnkey operations.
- New conduit, lighting, plumbing, mechanical and demolition of the existing utilities and equipment once the new equipment is functioning.
- All other ancillary work to prosecute the work referenced.
- Estimated Project Cost: **\$44,000,000**

Work on the NIEA will include the following:

- Refurbish seven (7) miles of pipe downstream of the NESPS to approximately to Mack Avenue.
- The rehabilitation will include traffic control, mobilization at multiple locations, excavation for new access shafts, main line pipe cleaning, preparation, resurfacing and/ or lining.
- New metering equipment, electrical and communication networks will also be installed to provide feedback for the pump station operation and coordination with Great Lakes Water Authority operations and Oakland/ Macomb Interceptor Drain flow control operations.
- All other ancillary work to prosecute the work referenced.
- Estimated Project Cost: **\$44,000,000**

Cost for acquisition rights and contribution in aid of capital to be paid to GLWA for the acquisition and assumption of the day-to-day maintenance and control of the NESPS and to undertake the needed improvements: **\$12,000,000**

The estimated total project cost is: **\$100,000,000.**



**REPAIR ITEMS**

- LINER REPAIR
- DEBRIS REMOVAL
- HEAVY DEBRIS
- LEAK SEALING
- COATING REPAIR



	<b>NTH Consultants, Ltd.</b> Infrastructure Engineering and Environmental Services	<b>REPAIR PLAN</b> PCI-4, PCI-18, & PCI-19 NORTH INTERCEPTOR - EAST ARM DETROIT, MICHIGAN	FIGURE No. <b>1</b>