

## WASTEWATER COLLECTION SYSTEM

### CS-1249 Greater Detroit Regional Sewer System Phase IV Project - City of Detroit

**Site Characteristics:** 12 interceptor sewers ranging from 6.25-ft-diameter round to 24-ft wide x 17.5-ft high arched. All sites flow partially full at times; some sites surcharge under wet-weather conditions.

**Configuration:** 4 acoustic paths.

**Transducers:** Model 7658 Intrinsically Safe or Model 7656 Explosion-Proof Transducers - FM and CSA certified for use in Class I Div. 1 Group C, D hazardous locations.  
Downlooking acoustic transducer for water level measurement.  
Pressure transducer for redundant water level measurement.

**Installation Details:** All meters are being or have been installed in flowing sewers by Martin Control Services of Plymouth, Michigan. At sites in which water level cannot be lowered below the bottom acoustic path location, bottom-path transducers are pre-mounted on stainless steel bands, which can be set across the sewer bottom and anchored above the water level. Spacer bars are used to maintain proper transducer path length and angle once the bands are installed.

