

# **Utilidor Replacement, Area One, Rankin Inlet, Nunavut**

## **Project # 00-3049**

### **Project Description**

#### **Background**

The existing water and sewer services in Area # 1 of Rankin Inlet were the first direct residential service of water and sewer. This Utilidor was installed in Rankin Inlet in the mid 1970s and the access vaults and piping systems are completely deficient. Compared to today's new higher standard Utilidor technology. The mid winter failures on this system are creating hardships in terms of the interruptions of services to the residents and the higher costs of keeping the system operational. This new infrastructure project will improve the quality and reliability of the water and sewage services in Area # 1 of Rankin Inlet

This project consists of the replacement of water and sewer mains, Access Vaults, Manholes and water and sewer services on the following streets in Area One, Rankin Inlet: Atrium (12<sup>th</sup> Ave.), Majurvik (13<sup>th</sup> Ave.), Nauya (12<sup>th</sup> Ave), Pisugvik (11<sup>th</sup> St.), Attami (13<sup>th</sup> St.), and Inulik (14<sup>th</sup> St.).

The project includes the supply and installation of ten fully prefabricated Steel Access Vaults complete with piping and accessories, 995 metres of 200mm dia. pre-insulated High Density Polyethylene (HDPE) DR11 Watermain, 963 metres of 200mm dia. pre-insulated High Density Polyethylene (HDPE) DR11 Sanitary Sewermain, 12 metres of 150mm dia. pre-insulated High Density Polyethylene (HDPE) DR11 Sanitary Sewermain, 1949 metres of 25mm dia. HDPE un-insulated water service pipe, 51 metres of 50mm dia. HDPE un-insulated water service pipe, 949 metres of 100mm dia. pre-insulated HDPE water service carrier pipe, 51 metres of 150mm dia. pre-insulated HDPE water service carrier pipe, 57 water and sewer house services, and the removal and disposal of existing Access Vaults, Manholes and fittings.