

## CASE STUDY

# SaniTite® HP Provides Cost Savings to Dawson Creek

## Dawson Creek, BC

### OWNER

City of Dawson Creek, BC

### INSTALLATION DATE

September 2025

### ENGINEER

Urban Systems Ltd., Fort St. John, BC

### PRODUCTS

768 m (2,520') of 900 mm (36") SaniTite HP

### CONTRACTOR

Knappett Industries Ltd., Fort St. John, BC

### CHALLENGE

With a population exceeding 12,000, Dawson Creek faced the challenge of replacing a vitrified clay sanitary sewer trunk main, a critical component of the community's wastewater infrastructure.

### SOLUTION

After confirming the pipe's suitability for the application, Advanced Drainage Systems collaborated with Urban Systems Ltd., the project engineer, to have SaniTite HP polypropylene pipe specified for the replacement. SaniTite HP was selected for its installation efficiency and its ability to reduce overall installed costs by more than \$275,000 compared to SDR35.

SaniTite HP is manufactured in 6.096 m (20') lengths, whereas SDR35 comes in 4 m (13') sections. A 900 mm (36") length of SaniTite HP weighs just over 200 kg (441 lb), while the same diameter SDR35 section weighs more than 500 kg (1,100 lb) per 4 m (13') stick. The lighter weight and longer lengths of SaniTite HP allow contractors to install it more quickly, while also reducing the number of joints required along the sanitary sewer line.



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Knappett Industries, the project contractor, performed all required deflection and joint testing. Using a Lansas Joint Tester, each joint was tested to 31 kPa (4.5 psi) for three to five seconds as installation progressed.

### PRODUCT DESCRIPTIONS

SaniTite HP pipe is specifically engineered for the gravity-flow sanitary sewer market. SaniTite HP combines advanced polypropylene resin technology with a highly engineered design for superior performance. The bell-and-spigot joining systems provides an added factor of safety by including polymer composite bands and dual gaskets. Advanced polypropylene resin technology provides enhanced pipe stiffness, beam strength and joint integrity making SaniTite HP the logical choice for your sanitary sewer project. SaniTite HP is available in dual wall design for diameters 300-750 mm (12"-30") and an exclusive triple-wall design for 750-1,500 mm (30"-60") diameters.



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