

CASE STUDY

SaniTite® HP Utilized in Emergency Road Repair to Enclose Eroding Ditch Percé, QC

OWNER

Ministères des Transports et de la Mobilité durable du Québec, Quebec City, QC

ENGINEER

Ministères des Transports et de la Mobilité durable du Québec, Quebec City, QC

CONTRACTOR

RDA, Les Entreprises Roy, Duguay & Associés, Sainte-Anne-des-Monts-Tourelle, QC

INSTALLATION DATE

Spring 2024

PRODUCTS

67 m (220 ft) of 1,500 mm (60 in) SaniTite® HP
Four 11.25° 1,500 mm (60 in) SaniTite HP elbows
One 1,500 mm (60 in) beveled end SaniTite HP

DESCRIPTION

The Ministère des Transports et de la Mobilité durable du Québec had been monitoring approximately a 50-meter (164 feet) stretch of Route 132 as hillside erosion was causing pavement deterioration. During the spring of 2024, Route 132's cracks were rapidly expanding requiring an emergency repair.

In order to stabilize the road, the Ministère des Transports et de la Mobilité replaced the open ditch with an enclosed channel. SaniTite HP, which is manufactured from polypropylene, was chosen for the project as the 1,500 mm (60 in.) pipe would allow for large volumes of



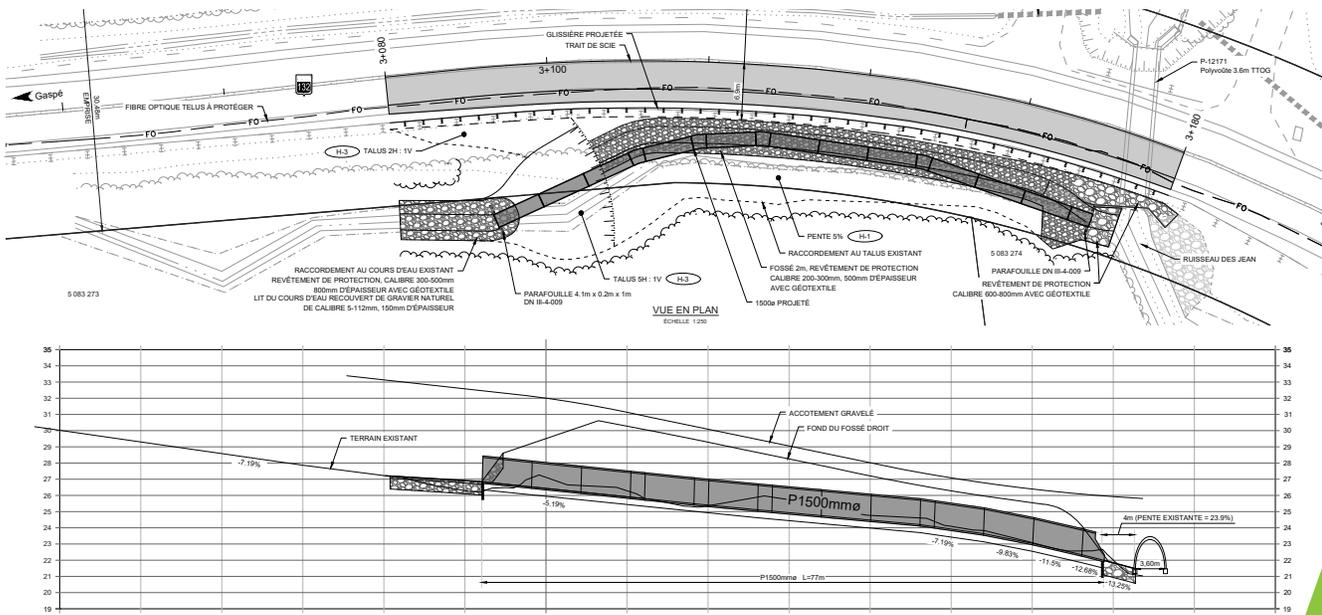
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stormwater to be conveyed. The SaniTite HP also provided a competitive lower installation cost than traditional materials and custom bends could be built. The custom 11.25° bends were used in four locations to allow the stormwater pipe system to follow the original path of the ditch.

SaniTite HP also allows for smooth and easy cuts, so the final section of the pipe run was beveled to allow for a smooth transition into the natural ditch. Installation of the pipe went smoothly and exceeded the contractor's expectations. The pipe's 6 m (20 ft.) lengths allowed for less joints on the project providing a additional safety factor.

SaniTite HP couplers advanced polypropylene resin technology with a proven and exclusive triple wall profile design for superior performance and durability. The increased stiffness of polypropylene yields additional safety against construction loading, while the extended bell and spigot joint comes with a double gasket and ensures lab and field testable watertight performance. Polypropylene is an inert material and resistant to the effects of chemicals, abrasion, hot soils and caustic effluent.



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