



SOLENO

Mastering Storm Water

1ST
DEVELOPER
OF SUSTAINABLE SOLUTIONS
FOR MASTERING STORM WATER



Domaine
de Rouville

MEET DOMAINE DE ROUVILLE, A SOLENO CUSTOMER FOR MORE THAN 40 YEARS!

During a recent visit to Domaine de Rouville, we noted that water management was a priority for owner Charles Robillard, who wants to constantly provide high-quality facilities to campers and visitors.

Founded in the early 1960s by architect Maurice Robillard and his wife Gertrude Fontaine, this second- and third-generation family-run agri-tourism business offers hospitality and accommodation services with its 2200-site campground, including 1850 seasonal spaces, catering, but also entertainment with its beaches, aquapark and nearby golf course. Open to the public, this golf course sports an 18-hole course, a 9-hole PAR 3 course and practice facilities for all levels. Biomass plants are also grown on 250 acres of the Domaine de Rouville land.

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Located at the foot of Mont Saint-Hilaire, the choice of the Domaine de Rouville location was not left to chance. The 2000-acre site has a natural slope of 3.7 m (12 ft), allowing for the gravity flow of water without the need for a pumping system. The campground's two reservoirs, fed by the overflow of Lac Hertel, a natural lake in the heart of the McGill University nature reserve located at the top of Mont Saint-Hilaire, supply the campground's three artificial bodies of water.

Since its foundation in 1977, Soleno has been able to count Domaine de Rouville among one of its most loyal customers. Domaine de Rouville uses a wide range of HDPE products to ensure the sound management of its stormwater. Products installed include Solflo and Solflo Max pipes, corrugated manholes and catch basins, fittings and accessories, all in a wide range of diameters. The use of geotextiles completes the range of products always in stock at Domaine de Rouville. Located along the many roads that criss-cross this large campground, these products are mainly used for surface collection, turf and recreational drainage, trench drain and storm water sewer applications, in either roadway or non-roadway applications.

Charles Robillard expresses his appreciation of HDPE

Domaine de Rouville is quite satisfied by Soleno's high-density polyethylene (HDPE) products for its many water management projects. It has been recommending the use of HDPE pipes, manholes and catch basins for several years.

Because of their lightweight, HDPE products do not require the use of lifting equipment for their installation. They can be moved manually, making installation and job execution faster and easier. The lightness is a significant advantage, given the limited space on the narrow paths of the campsite, often bordered by mature trees. In addition, HDPE provides flexibility in installation; it is easy to adapt the pipes to the needs in the field and to add inlets and outlets to the corrugated manholes and catch basins.

Installation of the new SoliFlex Type 3 drain; a first!

In anticipation of a planned expansion to increase the size of the campground, Mr. Robillard chose to install the new SoliFlex Type 3, a smooth interior flexible drain, for the drainage of ditches on the land to be developed. The 1950 m (6398 ft) SoliFlex Type 3 installation was completed this summer by Pierre Tétreault, owner and contractor of Drainage et déneigement Montréal Inc.

According to Mr. Robillard, using a 100 mm (4 in) SoliFlex drain instead of a traditional 150 mm (6 in) drain has resulted in savings of nearly 45%, while offering a better Manning coefficient (0.012). Robillard explains: *"We had ditches to fill, and our reasoning was that because of its smooth interior, its Manning coefficient allowed more water to pass through than a 150 mm (6 in) corrugated drain, as well as being cheaper than the latter."*

He also adds that *"Here we have a huge rooting problem, and with the use of SoliFlex, we concluded that thanks to its smooth interior, we could more easily clean SoliFlex drains and thus get rid of roots faster"*. Mr. Tétreault concurs and adds, *"We liked the rigidity of the new SoliFlex drain, which is more rigid than the traditional drain. And in fact, it's as good as this one."*

Satisfied with the results obtained, Mr. Robillard concluded by adding *"In the future, we will certainly use SoliFlex on the campsite!"*.

Soleno is proud to contribute to the development of Domaine de Rouville and to count it among its most loyal customers for more than 40 years!



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For more information and to learn more about our services and products, please visit www.soleno.com. Other case studies are also available.