



# SOLENO

Mastering Storm Water

**1<sup>ST</sup>** KAYHART  
**DEVELOPER**  
OF SUSTAINABLE SOLUTIONS  
FOR MASTERING STORM WATER



## IN WEST ADDISON, VERMONT, A FIRST STORM WATER MANAGEMENT SYSTEM IS INSTALLED AT THE KAYHART BROTHERS LLC DAIRY FARM

**Collecting and conveying storm water : expertise and complete solutions offered by Soleno.**

The expertise, know-how and complete range of solutions offered by Soleno have once again made the difference in a major expansion project at Kayhart Brothers Dairy LLC, a dairy farm located in West Addison, VT, one of the largest dairy producers in that state. Having obtained their water treatment permit for a dairy production site covering 26.7 acres (1 163 052 ft<sup>2</sup>), Tim Kayhart, owner of the dairy and Larry Miner, contractor and owner of LJM Construction, chose to go with Soleno products, a trusted partner for the success of their project.

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## THE CONTEXT

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The construction of new facilities at Kayhart Brothers LLC's dairy farm, will proceed in several phases over a period of three years. The project includes the construction of a new free stall barn, a milking parlour with direct conveyance of milk - after passing through a plate cooler - in refrigerated transport tanks, an underground water reservoir, a separate barn for dry cows, an exterior storage facility for manure and a complete storm water management system for the site. In the summer of 2017, a herd of 1000 cows will be put into operation with a capacity of up to 1500 animals.

## THE SOLUTION

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Mr. Kayhart and Mr. Miner have opted for the collection, conveyance and geosynthetics solutions offered by Soleno. This fall, LJM Building Contractor installed a Texguard silt fence 3100 m (10170 ft) in length to protect the surrounding environment for the duration of the work. This major project will see the installation of nearly 840 m (2750 ft) of Solflo Max R320 300 mm (12 in) and 450 mm (18 in) in diameter, four catch basins 450 mm (18 in), 600 mm (24 in) and 900 mm (36 in) in diameter and about ten Filcoten Robust and Filcoten Infra drainage channels.

## THE BENEFITS

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Installation of a Texguard silt fence early in the project is an economical solution to environmental protection during construction. Texguard is specifically designed to ensure the retention of sediments that could contaminate the surrounding environment. Being very durable, this silt fence is sturdy, light and easy to install.

A complete storm water management system made of high-density polyethylene (HDPE), a light, performing and durable material, allows Kayhart Brothers LLC's owners to ensure the sustainability of the network, and a perfect system seal.



Solflo Max HDPE pipes, renowned for their durability, their light weight and maneuverability allow fast, easy and economical installation.

Installed in the milking parlor, in the mechanical room and at the loading dock, Filcoten Robust and Filcoten Infra drainage channels allow for the linear collection of wastewater. The Filcoten drainage channels from Soleno are an economical and easy-to-install solution for all problems related to linear drainage.

The range of Soleno's solutions and services demonstrated by Steve Martin, Soleno's representative in New England, convinced Mr. Kayhart to work with the company to obtain all the support and expertise needed to make the project a success. He appreciates that Soleno can provide a vast range of products essential to his project, at a competitive price.



For more information and to learn more about our services and products, please visit [www.soleno.com](http://www.soleno.com). Other case studies are also available.