

# Montreal School

## StormChambers Solve Montreal School Board's Combined System Problems



### Problem:

A site at 1350 Boulevard Cremazie East was selected by the Montreal School Board for the parking lot expansion. The storm water system was designed to capture runoff from the parking lot and roof. Although the City of Montreal and the Montreal School Board preferred low impact development construction solutions, the options for the new storm water system were limited because the soils were not well suited for an infiltration-type system.



### Solution:

The School Board had considered the use of plastic storm water chambers as a cost savings measure, but then began looking for more expensive traditional types of storm water management systems. Their options became more constrained because the City of Montreal was served with a combined sanitary/storm water system in that area. Therefore a non-infiltrating type of storm water system was required. Any back flow from the combined system had to be prevented from leaching into the ground.



### Results:

Their problem was solved after consultation with Soleno in Saint-Jean-sur-Richelieu, just outside Montreal. Soleno is Canada's largest manufacturer of HDPE pipe and Eastern Canada's exclusive distributor of HydroLogic Solutions' StormChamber and SedimenTrap. Soleno was able to make the School Board aware that plastic storm water chambers are not restricted to use for infiltration purposes. Soleno designed a StormChamber system lined with an impermeable geomembrane that would prevent back flows from leaching into the ground. The StormChamber system solved the School Board's problem and still made it possible for them to achieve the cost savings of a plastic storm water system.

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