



# Higher Environmental Standards Call for New Product

A 2021 parking area expansion at the Canusa-CPS manufacturing facility in Huntsville, Ontario, included the addition of a stormwater system to collect, transmit, treat and dispose of runoff from a 37-acre (15-hectare) catchment area within a 74-acre (30-hectare) site.

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**Location:**

- Huntsville, Ontario

**Application:**

- Stormwater treatment

**Products:**

- One HydroChain Prime Separator

**System****Performance:**

- Exceeds site requirements
- Proven TSS removal > 50%

**Company:**

- DSG-Canusa

By the time the project was due to begin, the treatment product originally approved for the site was not available in Canada because it didn't meet the environmental requirements that had changed between bidding and installation.

When considering new options, engineers reviewed the testing and performance records of the HydroChain Prime Separator and determined it would "meet or exceed the requirements" set by the project's Environmental Compliance Approval issued by the Ministry of the Environment (MOE). Installed in a 4-foot-diameter (1200-mm diameter) concrete manhole, Prime Separator model HCPS-4 provides water quality protection by removing sediment from runoff – with a capacity in excess of site requirements. Intercepting surface runoff from a ditch, the separator removes pollutants and contaminants, including total suspended solids, before the runoff is discharged into a roadside ditch and low-lying areas, and ultimately into tributaries of a nearby lake. The installation went smoothly for the crew, making the stormwater system quickly operational.

