

EDITH STREET PARKING LOT



CHALLENGE:

The Town of Halton Hills has a "Municipal Green Plan" that investigates new technologies to improve the environment. In designing the Edith Street parking lot, the challenge was to control the stormwater run off. If the Town of Halton Hills did not connect to the existing storm sewer, the run off would otherwise discharge into an existing ditch, producing a wetland. Asphalt was considered, but the Town would have had to relocate several existing utilities to install the proper sewer system, this being cost prohibitive.

INFLUENCE:

A permeable pavement system has many beneficial qualities to the environment such as: reduce stormwater run off, reduce the stormwater infrastructure, reduce construction costs, all while reducing impacts on surrounding environments. Another unique aspect to this parking lot is the conduit infrastructure design. Following the installation of a proper metering system, hybrid vehicles will be able to access charging stations. The segmental pavement allows maintenance crews to access the system by removing and reusing the existing paving material.

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SOLUTION:

Not only did Town of Halton Hills decide that a permeable pavement system was the best approach for the parking lot from a stormwater perspective, but aesthetics played a big part in choosing the ideal material.

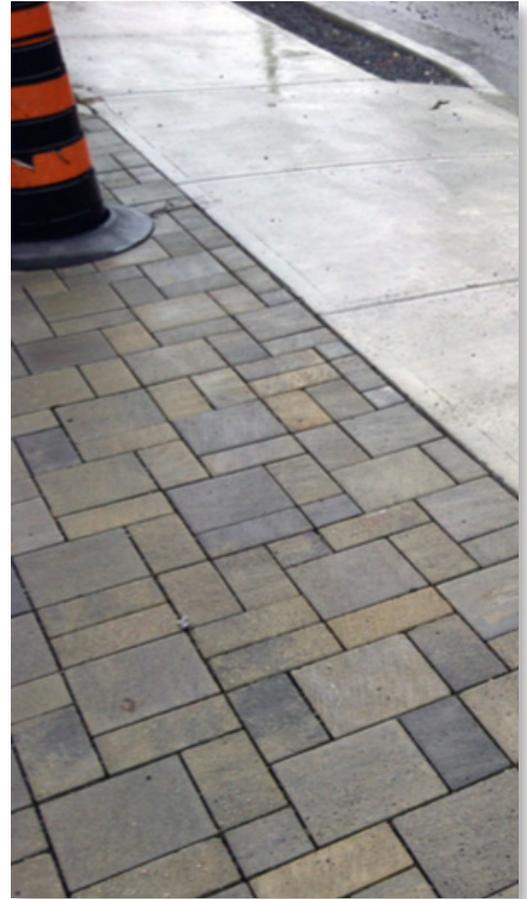
After research conducted and strong environmental influence, Eco-Priora with an Il Campo finish was the perfect fit for the job. The brushed paver was selected in a Santa Fe color that compliments the surrounding architecture and planters beautifully. All three shapes of Eco-Priora were utilised to layout a random yet contemporary look.

Although beauty was captured, the paver was also carefully selected because of its proven durability.

Contractors, A1 Asphalt Maintenance, installed the pavers in this project. This was their first permeable interlocking concrete pavement project, but certainly not their last. A1 predicts there is a growing demand for this type of environmental technology and are planning to construct more of these types of applications for the future.

The total cost of the entire parking lot construction ended up being a significant reduction in comparison to a traditional asphalt parking lot.

The Town of Halton Hills will continue to consider the possibilities of constructing new parking lots using the same technologies after the success of the Edith Street Parking Lot.



LOCATION

Georgetown, Ontario.

PRODUCT

Eco-Priora™

DESIGNER

Town of Halton Hills,
Infrastructure Services

INSTALLER

A1 Asphalt Maintenance

DATE OF INSTALLATION

2010