

“taking the industry by storm”

## OWNER

Mora Developments  
H. Markus Building Systems

## CONSULTANT

Greer Galloway, Pembroke

## ENGINEER

City of Pembroke

## CONTRACTOR

Markus Construction



Markus Construction crew compacts granular backfill during the installation of Ultra Flo Pipe

Municipalities and developers are constantly looking for economical, durable storm sewer systems that can move water more efficiently. Algonquin Heights Subdivision, in Pembroke, Ontario required a stream enclosure and storm sewer system that was easy to maintain and easy to install.

### Problem

Storm sewers installed at this site would be subjected to a severely corrosive environment due to the acidic soil and heavy annual rainfall. These site conditions required a non-corrosive pipe that could be easily installed in wet, generally sloping terrain.

### Solution

Armtec's Aluminized Ultra Flo met and surpassed these challenges. Ultra Flo's spiral rib design provided excellent hydraulics and the corrosive resistant aluminized coating provided added durability. Its light weight and longer lengths made it easy to install and reduced handling costs.

Overall length of the storm sewer was 1 kilometre and pipe diameters ranged in size from 300 mm up to 900 mm. It was estimated by the developer that a savings of approximately 30% was realized on material costs over alternative storm sewer systems.

The owner is pleased with the cost savings and plans to specify Ultra Flo storm sewer pipe in Phase 2 of the Algonquin Heights Subdivision scheduled for construction in the summer of '92.

**CASE  
HISTORY**  
**Algonquin  
Heights  
Subdivision,  
Pembroke saves  
30% on material  
costs with  
storm sewer  
installation**



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