



# Rampart Industrial

## Integrating Stormwater Management into the Ecological Network

### Firm

Al-Terra Engineering Ltd.

### Client/Owner

City of Edmonton - Corporate Properties Land Services

### Location

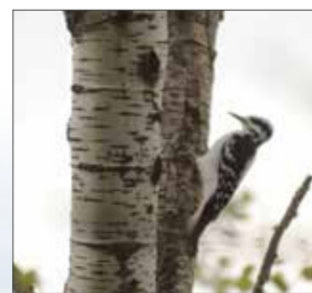
Edmonton, AB

### Sub-Consultants

EIDOS Consultants Incorporated,  
Spencer Environmental Management Services Ltd.,  
Magna IV Engineering,  
Hoggan Engineering & Testing (1980) Ltd.,  
Pals Geomatics Corporation

### Contactors

Sureway Construction Management Ltd,  
Heritage Nurseries Ltd.



Rampart Industrial is a greenfield development in northwest Edmonton that successfully balances urbanization with the environment. The site engineering design relied on Low Impact Development methods and ecological network planning principles. A retained woodland and wetland are reconnected through a dedicated wildlife crossing providing small animal passage. A 10-hectare wetland was built to provide peak storm attenuation, water quality improvement, wildlife habitat and public amenities (trails, lookout and interpretive panels). The scale and connectivity of the features provides a sustainable ecosystem. Attention was given to the design of fine details such as amphibian-specific habitat and mosquito predators.

