



stormwater management

URBANSYSTEMS.

Kamloops Band Dyking Kamloops Indian Band

Based on record snow pack levels in the spring of 1999, Indian Affairs (INAC) provided funding to Kamloops Band for the construction of permanent dykes to protect residential, commercial and institutional areas of the Band's lands. The project involved the design, and construction utilizing Band and other hired equipment, of approximately 3.5 km of dykes, ranging up to 4.6 m high.

A portion of the dyke runs through private lands and required an innovative geotextile (Nilex) reinforced dyke section to reduce the impact on adjacent business operations. Other design issues included alignment to avoid archeological and riparian areas as well as private property.

Construction issues included existing utilities, incompetent existing dykes and other unsuitable foundation soils, private property and rapidly rising water levels.

Construction involved, pit development, soil pre-conditioning, hauling and placing approximately 135,000 m³ of material in 53 days of hauling.

Approximate project value is \$3 million.



client

Kamloops Indian Band

project

Kamloops Band Dyking

services

Preliminary Design,
Detailed Design,
Construction Layout and
Management

year

1999

file

7.0732.0068.02