

# Uni-Axial Geogrids

retaining walls

"soil stabilization"

## OWNER

Kalgidhar Dharbar Sahid  
Society

## DESIGN CONSULTANT

Valley Geotechnical  
Engineering

## CONTRACTOR

Cavalry Construction Group

## LOCATION

Abbotsford, B.C.



## Design:

This project incorporated over 3,000 square metres of Armtec 5XT Polyester Geogrid for an aesthetically pleasing terraced retaining wall. The final design combined an Allan block wall of 3 varying engineered grid lengths and configurations. The result was a 183 metre long wall with a maximum height of 5.8 metres or approximately 19 feet.

## Installation:

Based on the Contractor's previous experience with traditional geogrids, The Cavalry Group recognized the clear advantages associated with Polyester geogrids during installation.

Some attributes of Armtec's Uni-Axial geogrids identified by the contractor were:

- Easy to cut to length
- No elastic memory
- Lays flat when rolled out
- Easily "sandwiches" between the blocks

Here's what the contractor had to say:

**"Our experience with the Armtec's 5XT geogrid was very positive. The wide rolls and ease of cutting ... and handling ... certainly contributed to our ability to complete the job ahead of schedule."**

*Greg Tunner, Principal,  
Cavalry Construction Group.*



5XT Geogrid  
and Allan Block  
working  
together.

## CASE HISTORY

**Armtec Uni-Axial  
Geogrids  
Get the Job Done  
Ahead of  
schedule**



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