

# CASE STUDY

## BOND STREET TE AWAMUTU

ALLAN BLOCK® RETAINING WALL SYSTEM



CONTRACTOR	Alicon Limited
ENGINEER	GDC Consultants
CLIENT	Dean (Homeowner)
LOCATION	Bond Street, Te Awamutu
PRODUCTS USED	Allan Block, StrataGrid® SG200, DuraForce® AS280, T-RECS and Ground Staples

**ADVANCED  
GEOSYNTHETIC  
SOLUTIONS**

### PROJECT

This project was completed at a small residential development located in Te Awamutu, South Waikato. We were approached by the homeowner (Dean) to retain and stabilise a steep cut on an existing slope, which was going to be only a few meters away from his future house. Dean wanted to make sure the solution would be aesthetically pleasing and increase the value of his property.

### DESIGN

The involvement of Cirtex started in January 2018 when Dean, owner and property investor, contacted us to get advice for the construction of a retaining wall on his new development. Once the client decided on the system he wanted to use, Cirtex helped Dean find a certified Allan Block retaining wall installer and a consultant engineering firm with experience on segmental retaining walls (SRWs). We worked closely with the appointed engineers, GDC Consultants, providing them with project concept designs and suggestions regarding how to deal with the slope above the Allan Block retaining wall.

### INSTALLATION

Alicon Limited was the contractor selected by the client to carry out the construction of the retaining wall. They proposed some interesting modifications, which avoided having the Allan Block retaining wall divided by a timber wall. The knowledge of Alicon and Cirtex was crucial in helping the engineers with their inspections and providing guidance on how to inspect a SRW. In spite of the weather, the construction of the retaining wall was smooth and finished on time. Paying a bit more for an Allan Block certified contractor is a guarantee for success and has left Dean a happy client with an amazing and well retained new property.

### The Allan Block system provided the following benefits to the project:

- Retention and stability to the existing steep cut on an existing slope
- Erosion protection and control over the backslope
- Highly attractive aesthetics and increased property value



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