

PRODUCTS EVALUATION

Maccaferri Green Terramesh	By: Fred Cheng On: Aug 20, 2007
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Project	Description	Application Date
Discovery Woods Villa, S.W. Calgary	Retaining wall	
Elbow River Pathway near Stampede Grounds	Retaining wall	2006

Vendor Claims:

Maccaferri Green Terramesh System is based on units formed from a hexagonal plastic-coated galvanized wire mesh to provide soil reinforcement for unstable slopes and embankments. The products provide stability in embankments due to the interaction and interlocking of soils with the plastic-coated anchor mesh.

The Green Terramesh units are assembled at the production site and are formed from a single sheet of hexagonal PVC-coated galvanized woven wire mesh. It is formed into 3 sections, a horizontal soil reinforcement, a face section which is reinforced with steel bars inserted through the double twist every mesh opening and a horizontal return at the top. The face is lined with a bio-Mac or a 3-dimensional grid held in place by an inner panel of welded mesh.

The Green Terramesh structures can be used to provide soil reinforcement for unstable slopes and embankments.

Project Background:

Projects in Alberta:

1. Discovery Woods Villa, S.W. Calgary - Green Terramesh
2. Elbow River Pathway near Stampede Grounds - Green Terramesh

Project background notes and article entitled "Outfall E-13 and E13A" were provided by Barth Peirone of Maccaferri:

Elbow River Pathway near Stampede Grounds (start date – September 2006, completed summer 2007).

Inspection:

Products inspected by Fred Cheng and Ganesh Subramanian of Maccaferri on July 9, 2007.

1. Discovery Woods Villa, S.W. Calgary - Green Terramesh
 - Retaining wall built along a slope
 - Houses are built behind it
 - Grass catches profusely on the wall surface
 - A chain link fence is built on top of the wall
 - The wall looks good and stands vertical
 - There are plans to extend the height of the wall
2. Stampede Grounds - Green Terramesh
 - A Green Terramesh is built along the Elbow River bank to support a pathway along the river bank and provide natural look after it is fully vegetated
 - Wall construction looks good

- The wall is near completion at time of inspection

Recommendation:

Performance of the wall and vegetative catch is to be monitored regularly.

Photos:

The following photographs were taken on July 9, 2007:

Elbow River Pathway near Stampede Grounds, Calgary:



Discovery Woods Villa, S.W. Calgary:

