

## Product Evaluation

### RE: Review of Enviro-Ridge Ditch Barrier

#### **PRODUCT**

The Enviro-Ridge Ditch Barrier is manufactured and distributed by Enviro-Pro Geosynthetics Ltd located in Sherwood Park, Alberta.

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS:**

Enviro-Ridge Ditch Barrier is a patented, low profile, lightweight, flexible and permeable plastic check dam for sediment control in ditch channels. Enviro-Ridge reduces water velocity by distributing water over a wider area of the ditch bottom, facilitating sedimentation and re-vegetation. Product web link: <http://www.enviro-pro.ca/>

##### **DESCRIPTION:**

Enviro-Ridge Ditch Barrier is made of UV resistant high density polyethylene (HDPE) with a opening porosity size of 35 to 45%.

##### **POTENTIAL USAGE:**

Enviro-Ridge Ditch Barrier shall be placed on top of erosion control blanket previously installed. The Enviro-Ridge shall be installed at either the toe of the backslope or sideslope.

##### **STANDARDS:**

None provided

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

Alberta Transportation has been using synthetic barriers for more than a decade.

##### **APPLICATION STANDARDS:**

Standards for the spacing and length of the synthetic barrier can be found in Alberta Transportation Erosion and Sediment Control Manual (2011), BMP#10.

##### **RECOMMENDATIONS:**

Enviro-Ridge Ditch Barrier be listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems, Ditch Blocks/Barriers – Synthetic Permeable Barriers – Proprietary, based on the information provided.

#### **TRAIL PROJECTS**

Hwy 63, Km 141, installed 2016

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