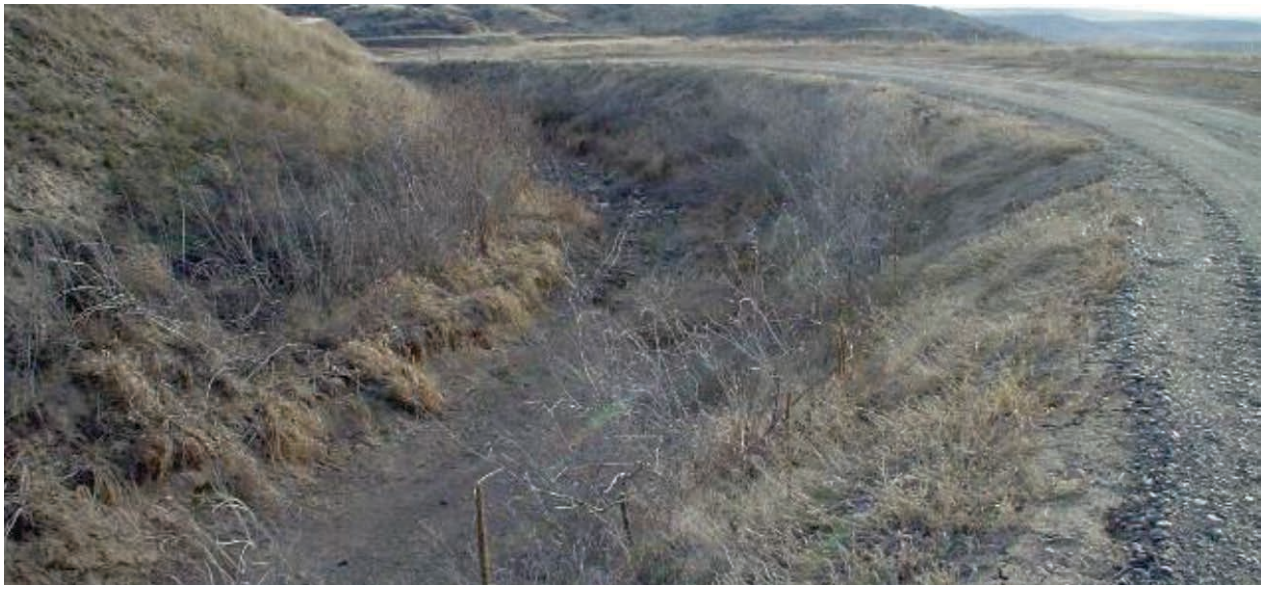
HUESKER
Ideas. Engineers. Innovations.

Hydraulic Engineering

Canal Repair

Black Canyon Irrigation District Canal lining project

Canal installation with **Canal³® 123012**



Unlined irrigation canal

Canal³ 123012 installed perpendicular to the canal

Seaming Canal³ 123012 using hot melt adhesive

Task

The elevated unlined irrigation canal along a 1-mile section was seeping along its sides into the adjacent farmer's field. To avoid a potential collapse of the canal along this section, HUESKER suggested to Black Canyon Irrigation District that they line the 1-mile section using Canal³ 123012 geocomposite using a roll size of 25 feet x 300 feet.

Solution

In October 2007, the Black Canyon Irrigation District's personnel installed the Canal³ 123012 perpendicular to the canal. The geocomposite was seamed using a hot melt adhesive at a rate of 1 lb/6 feet of seam.

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Completed seamed section

Completed exposed lined canal

Advantages of (Geosynthetic) Application

The supplied 25 feet wide x 300 feet long rolls reduced the installation timeframe and the number of seams. Being that Canal3 123012 is user friendly, this permitted the Black Canyon Irrigation District to utilize its own personnel to install the material which was a cost savings to the District.

Business Area: Hydraulic Engineering

Segment: Waterways

Application: Canals

Project: Black Canyon Irrigation District Canal lining project

Location: Notus, Idaho

Client: Black Canyon Irrigation District

Contractor: Black Canyon Irrigation District

Construction Period: October 2007

Material: Canal$^{3®}$ 123012

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