

RE: Review of Layfield Silt Fence (SF135)

PRODUCT

The Layfield Silt Fence (SF135) is manufactured with a woven geotextile fabric on wooden or steel posts. It is manufactured by Layfield Geosynthetics & Industrial Fabrics Ltd. of Edmonton.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

This Layfield Silt Fence (SF135) provides rugged, reliable and low maintenance silt control. The Silt Fence will effectively protect storm water drainage systems from fouling with silt, and will protect you from environmental liability due to silt leaving your project site. Layfield provides wooden or metal T posts to secure the silt fence in position.

DESCRIPTION:

Layfield's Silt Fence is constructed with their SF135 woven polypropylene fabric which is stabilized for resistance to UV radiation.

POTENTIAL USAGE:

The silt fence can be used to keep silts out of catch basins, streams and waterways, off streets, and out of neighbouring property.

STANDARDS:

ASTM D4632 Grab Tensile
ASTM D4632 Elongation
ASTM D4533 Trapezoidal Tear
ASTM D4833 Puncture Strength
ASTM D3786 Mullen Burst
ASTM D4751 AOS
ASTM D4491 Permittivity
ASTM D4355 UV Resistance

Layfield provides installation instructions.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has experience with non-supported, wood posts silt fences in construction sites.

APPLICATION STANDARDS:

Alberta Transportation has a standard for silt fence materials as found in Special Provisions SpE011, Geotextile Fence Barrier (Silt Fence). The Layfield SF135 fabric meets AT specifications.

RECOMMENDATIONS:

Layfield Silt Fence (SF135) be listed as a Proven Product under Alberta Transportation Product List, Erosion Control Systems – Silt Fence – Proprietary, based on the information provided.

TRIAL PROJECTS

Fred Cheng

cc New Product Evaluation Standing Committee – Terry Willis
Roger Skirrow