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Geopro[®] Learning Tool

April 22, 2002

Fox Saab

Kentwood, MI December 2001

Fox Saab enjoyed the completion of its new Kentwood sales and maintenance facility in December, 2001. However, the late fall completion prevented most landscaping until the following spring. *City of Kentwood* officials concerned that the raw soil areas would contribute to poor quality runoff during winter and spring storms, required *Fox Saab* to develop a temporary soil cover or lose its ability to open for business.

To comply with the *City's* requirements, *Fox Saab* contracted with *Bob Triick & Sons, Inc.*, Belmont, MI, to determine how to achieve the appropriate cover and then deploy the system. Familiar with *Applied Polymer Systems, Inc. [APS] Silt Stop[®]* polyacrylamide [PAM] binders, Gary Triick determined that a slurry composed of 88% wood fiber, 12% paper

nearly all mineral materials, Gary chose to use *Silt Stop[®] 740*, a PAM specifically suited for glacial till 'C' horizon soils lacking organic content. As standard for controlling erosion on roughly graded soils, Gary used an equivalent application rate of 10 lbs per acre for the *Silt Stop[®]*. To satisfy *Kentwood's* requirements, MDOT Class A seed mix completed the slurry components. Application of the 1500 lbs/acre slurry occurred on December 16, 2001.

A review of site conditions on April 15, 2002 showed that the PAM-bound cover remained fully in-tact: there was no evidence of erosion, such as rill formation, mulch movement, cap-stone visibility and soil movement onto adjacent sidewalks and parking lots. Even without topsoil use, the *Silt Stop[®] 740* cover protected and helped foster grass seed germination, as witnessed by the nearly uniform spread of early chute growth.



Silt Stop Enhanced Cover
April 15, 2002



Early Chute Growth - April 15, 2002

and *Silt Stop[®]* would be sufficient to hold the soil in-place over the winter months and through the early spring period until equipment movement would allow placement of topsoil. Since the soil requiring protection was composed of

For more information on how to use APS *Silt Stop[®]* PAM's, contact your *Price and Company, Inc.* Sales Representative.