



PRICE AND COMPANY, INC.

CASE FILES

1.800.248.8230

Wyoming

425 36th St SW
Wyoming, MI 49548-2108
T: 616.530.8230
F: 616.530.2317

Wixom

46986 Liberty Drive
Wixom, MI 48393-3601
T: 248.668.6000
F: 248.668.9749

geopro@priceandcompany.com
www.priceandcompany.com

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Geopro[®] Learning Tool

April 22, 2002

Avalon Pointe

Dutton, MI October 2001

With winter fast approaching, Randy Glashower of *Glashower Nursery and Greenhouse, Inc.*, Hudsonville, MI, faced yet another project where seeding was required during the most difficult time of the year. October seeding is too late to confidently establish a sufficient grass cover to control erosion during winter and spring storms yet too early to use proper dormant seeding techniques. But the project was ready and seeding would occur.

Perhaps the greatest challenge Randy faced was selecting an appropriate tackifier or binder for this project. Standard gum or guar tackifiers solubilize upon first wetting, making their functioning suspect for the late fall to spring performance period. Binders based on polymers such as polysodium acrylate need as much as 72 hours to cure, without rain or freezing temperatures, at this time of year. In search of an alternative, Randy called *Price and Company, Inc.* to determine if an effective binder or tackifier was available for the conditions at hand.

The resulting conversations led Randy to try *Applied Polymer Systems, Inc. Silt Stop[®] 705*, a strong, long-lasting binder composed of anionic polyacrylamide [PAM]. Using his Finn T1100 with a slurry composed of wood mulch and an equivalent application rate of just 10 lbs per acre of *Silt Stop[®] 705*, Randy sprayed the entrance slope to the new Avalon Pointe subdivision.

Within a week of application, a strong fall storm produced a local rain fall of approximately an inch over a 1 hour period. An inspection after this storm showed that the mulch had not moved, rills had not formed and rework of any kind was not required. The Avalon Pointe slope was secured for the onslaught of winter. Inspections made during early Spring 2002 showed similar results. In addition, the grass was germinating evenly over the entire slope. Clearly, the *Silt Stop[®] 705* had performed as intended.

Due to the success achieved at Avalon Pointe and that the entire *Silt Stop[®]* family of PAM binders is less expensive to use than conventional organic gums or guar tackifiers, *Glashower Nursery and Greenhouse, Inc.* will be using *Silt Stop[®]* as its standard binder on upcoming projects.

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



After 1" rainfall in October 2001



April 23, 2002
No rework since installation

Silt Stop is a trademark of Applied Polymer Systems, Inc.