



North Carolina Department of Transportation  
Materials and Tests Unit – Product Evaluation Program  
Innovative Technologies and Products Awareness Report  
March 1<sup>st</sup>, 2023



## PRODUCT INNOVATION – Slope Drain Bag



*Slope Drain Bag installation on a jobsite – image from Silt-Saver® website*

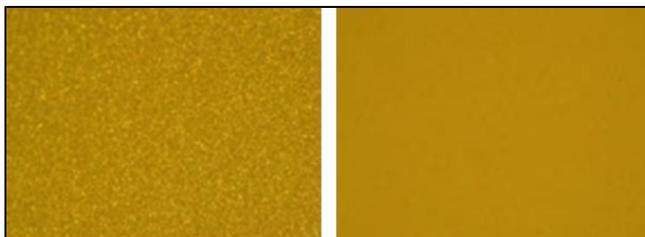
The Slope Drain Bag is manufactured by Silt-Saver® Sediment Control Products out of Covington, Georgia. It is currently under evaluation and listed on the Approved Products List (APL) as NP23-9205. The Slope Drain Bag is a sediment collection device that is placed on the outlet of a temporary slope drain. It is designed with a built-in stormwater overflow portion (bright green section of the bag) to reduce excessive water force on the bag and the slope drain system. This innovative design prevents a typical failure of these bags which could cause them to break/dislodge; causing excessive erosion of the fill slope they are installed on to protect. It can also eliminate the need for a Class B stone splash pad at the slope drain outlet. For more information, please visit:

<https://siltsaver.com/slope-drain-bag/>

## PRODUCT HIGHLIGHT – Anova® 1005 & 1006 Rheology Modifiers

The Anova® 1005 & 1006 Rheology Modifiers are manufactured by Cargill out of Chicago, Illinois. It is currently under evaluation and is listed on the APL as NP22-9154 (Anova® 1005), and NP22-9155 (Anova® 1006). Anova® 1005/1006 are bitumen (asphalt binder) additives that are viscosity reducers and rheology modifiers that increase the useful temperature interval (UTI) of bitumen through higher softening at lower temperatures without sacrificing the high-end temperature, while limiting high temperature grade loss. The products are low in VOCs, have a higher (safer) handling flashpoint, a reduced blending time, and can be easily blended in bitumen without the need for high shear agitation. For more information, please visit:

<https://www.cargill.com/bioindustrial/anova/asphalt-modifiers>



*Polymer Modified Binder\* (left image) and Polymer Modified binder preblended with Anova® Rheology Modifier\* (right image) – images from Cargill product datasheet*

*\*Images taken after 2 hours of blending*