

Geosource Solution Center

Problem: Poor drainage causing standing water and sub-grade degradation

Solution: Create underground water storage to allow for infiltration

Products: Atlantis D-Raintanks and Non-woven geotextile fabric

Project: Bell Pole and Lumber

Location: New Brighton, MN

Engineer: Conestoga, Rovers and Associates



This facility sorts and finishes large lumber for utility poles for the Midwest. In two areas, standing water caused the ground to consistently be soft and unstable. The areas were low enough that the water could not be piped into existing stormwater system without significant costs and it was suggested to come up with a method to infiltrate the water back into the ground water. The Atlantis D-Raintank was selected as the best option as it was able to create the amount of storage volume necessary with the smallest footprint. The D-Raintank is manufactured from 100% recycled plastics and can handle loads in excess of H-20 loading.

In this particular application, the required loads exceeded the standard H-20 loading as the large equipment necessary to move these utility poles were very heavy. Instead of the standard 4 internal plate tank that is used for H-20 loading, an additional, or fifth vertical plate was used to increase the load bearing capacity of the tank system. 40 double tanks were used to create the 2500 gallon storage volume and the first of two tanks were started and finished on the same day. Belair Excavating was the contractor and they were very pleased with the ease of installation and the simplicity of the design. They saw this as a huge value compared to other underground detention systems.

Project by Don Thieman, CPESC

Lunch Box Seminars: Just How Important Are They?

Over the years A.S.P. Enterprises, Inc. has been asked to introduce engineers, architects, and contractors to our products through the use of lunch box seminars. We go to the offices, bring lunch, and start talking. Are we just a free meal or do the attendees “lunch and learn”?

This is a great way to introduce the attendees to new products, their uses, and the correct installation. With the changing regulations and attitudes coming about in regards to erosion and sediment control we are able to show the designer better ways that they may not be familiar with. We can show products that not only work better but are reusable. They do not have to use ineffective measures such as straw bales that are destined to fail. There are the Triangular Silt Dikes, GeoRidge Ditch Checks, and the Big Red inlet protection. Many of these products have been approved for use with the DOT agencies.

With the cities and designers in the areas looking more at total storm water management, lunch box seminars on the Atlantis D-Raintank and the Suntime Technologies Nutrient Separating Baffle Box are in demand. The D-Raintank is a modular polypropylene storm water tank that uses surface and underground infiltration techniques, resulting in clean water that can be reused or allowed to reenter the natural water system. They are a highly efficient option for storm water management in many kinds of soils. The Suntime Nutrient Separating Baffle Box is a storm water treatment system that always treats the entire flow with minimal head loss. It captures foliage, litter, sediment, phosphates, and hydrocarbons. Nutrient pollutant load is not released in the static water and flushed out at the next storm event.

These are just a few of the lunch box seminars that the sales staff at A.S.P. Enterprises, Inc. are qualified to present for you. We can also show how these products and others can help with designing with LEED certification in mind. Please contact your local sales staff or office.

Hank Fullmer-ASP-Kansas City



Infiltration tanks being installed under a geotextile layer. This 2500 gallons storage volume was installed in one day with a crew of 4.



After wrapping the entire tank system in geotextile, piping was attached and the whole system backfilled, compacted and paved.

Calendar of Events

StormCon 2009-August 16-20, 2009 Anaheim, CA
www.stormcon.com

ASLA Annual Conference and Expo-Sept 18-20, 2009
Chicago, IL www.asla.org

Great Rivers IECA 2009 Annual Conference- Oct. 27-29, 2009- Lenexa, KS
www.greatriversieca.org

EC10-IECA Conference and Expo-Feb 16-20, 2009
Dallas, TX www.ieca.org