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FOR IMMEDIATE RELEASE

Truline - Canada del Oro Wash Case Study

The job of the Pima County Regional Flood Control District in Tucson, Arizona is to minimize flood and erosion damages for all county residents, property and infrastructure. The District is involved in a variety of flood control and natural resource management activities.

When the District faced a problem of major soil degradation at a 410 foot protection wall following severe flooding in mid 2007, they began researching alternative methods of earth to earth retention.

The soil had receded from the bank line so much that a six foot deep tow had degraded to a mere 18 inches, causing the protection wall to collapse. With four-and-a-half feet of scour, officials knew they would have problems containing the soil by the next rainy season.

A similar situation existed in another area the year before and replacement of the wall totaled $800,000. The district needed to find a lower cost yet viable alternative.

While researching retention walls and sheet piling on the internet, one of the project managers for the district discovered a product called Truline – a cast-in-place modular seawall system that combined the strength of concrete with the durability of vinyl.

While the Truline product was initially created as a seawall product, Truline General Manager Todd Hoffman and chief engineer Scott Yeany advised the district on the potential viability of this new use of the product.

“While Truline was developed as an earth-to-water product, we felt there was no reason the product couldn’t adapt to an earth-to-earth application,” Hoffman said.

According to reports from the District, the Truline solution minimized the need for heavy installation equipment and a large installation crew – thereby making for quicker project completion.

The job took a total of two weeks from start to completion, as opposed to the two months it took using the other method. Because it was much less labor intensive, the District was able to perform the installation with a minimum crew.

The procedure involved digging a trench and then driving ten foot sheets rigged for installation in 10” wide sections. Truline’s unique u-channel shape allowed the pouring of concrete directly into place, creating a strong concrete wall with all the benefits and protection of vinyl.

According to the District, by the time the job was completed, the Truline solution came in at 25% of the cost of the prior method of repairing the protection wall, thus saving the county approximately $600,000.

They added that, the Truline product allowed them to keep within the same footprint of the existing bank protection and that, because it is much less invasive than other repair techniques, it made environmental permitting for the job much simpler.

For more information on the Truline solution, please contact Todd Hoffman at (239) 591-6234 (email: thoffman@truline.us) or visit the company website, www.truline.us.

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