

CASE STUDY COLDWATER CREEK

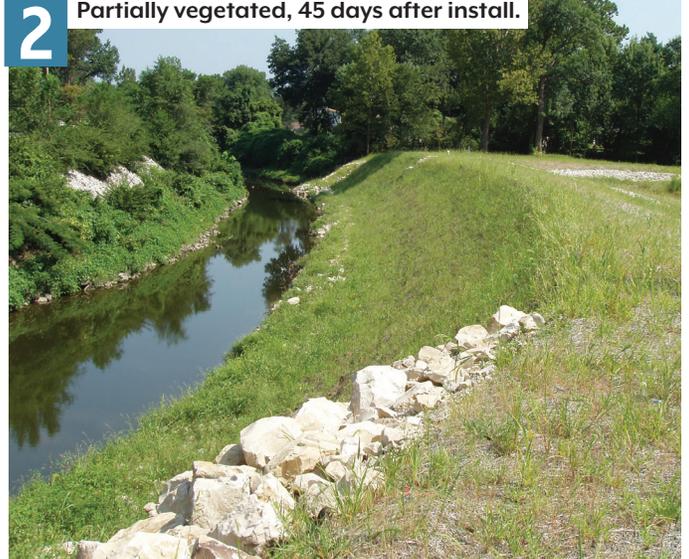
Streambank Stabilization & Detention Pond

1 Unvegetated, 2 weeks after install.



| | |
|-------------|---------------------------------------|
| Project | Coldwater Creek |
| Location | Florissant, MO |
| Date | January 2011 |
| Contractor | Ideal Landscape |
| Salesperson | Mark Stirnaman |
| Owner | Metropolitan St. Louis Sewer District |

2 Partially vegetated, 45 days after install.



3 Fully vegetated, next growing season.



THE CHALLENGE

The challenge of this job was to build a detention pond for an apartment complex without encroaching on the building footprint of the apartments or Coldwater Creek.

THE SOLUTION

This was achieved by building a reinforced slope as a bank of the creek that would not have been stable without the use of geosynthetic reinforcement and a Turf Reinforcement Mat. The contractor removed the existing soil and created a stable platform to build on. Once that was completed they brought the existing soil back in, as well as other fill material, in 18" lifts with alternating layers of Tensor BX Type 1 and UX 1400 HS. Once the slope was built and stable the contractor protected it with North American Green's C-350 TRM to assist the vegetation. There is a small section where the overflow of the detention basin outlets onto the slope that was protected with North American Greens P-550.

THE PRODUCTS

Manufacturers included in solutions and product:

Product: BX Type 1

Manufacturer: Tensar

Product: UX 1100

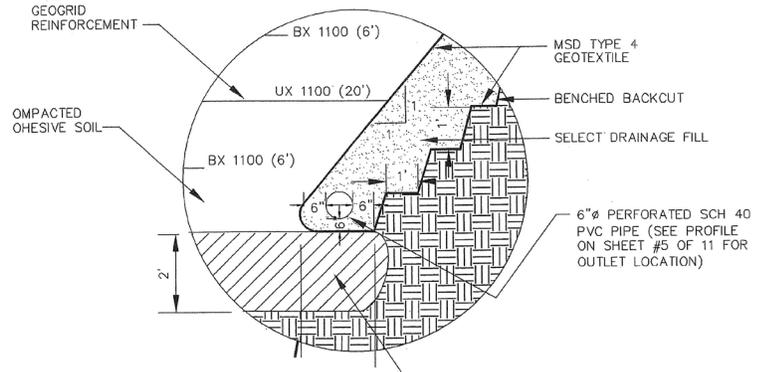
Manufacturer: Tensar

Product: NAG C-350

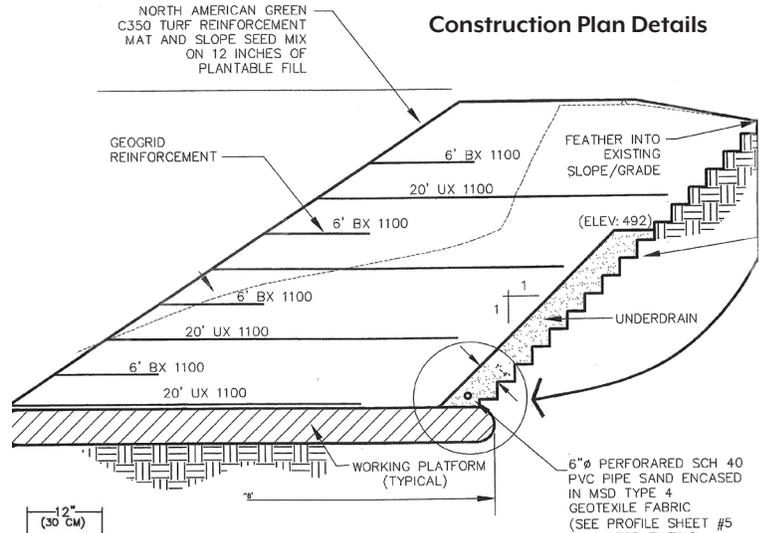
Manufacturer: North American Green

Product: NAG P-550

Manufacturer: North American Green



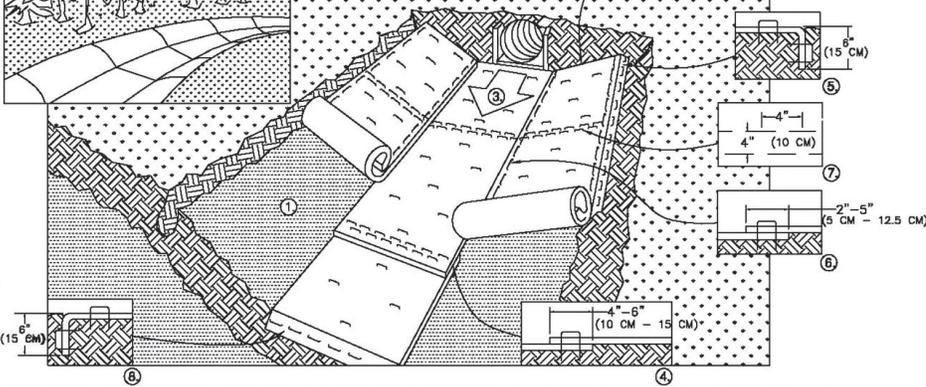
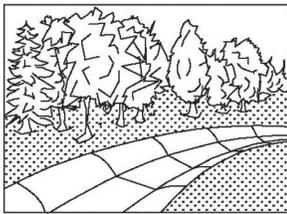
Construction Plan Details



Standard Installation Details

CHANNEL INSTALLATION
APLICACIONES PARA CANALES

Staple placements shown for illustrative purposes only. See Staple Pattern Guides for actual recommended placements.



THE RESULTS

The finished product is a beautiful slope with vegetation growing on it that is protected from rising water of Coldwater Creek and meeting all the detention requirements of the apartment complex.

YOUR TRUSTED SITE SOLUTION SPECIALISTS

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