



ARMORMAX[®]
BY PROPEX

BELL ROAD CHANNEL FLOOD PROTECTION CITY OF SCOTTSDALE, AZ SOFT ARMORING INITIATIVE FOR EROSION CONTROL

Application:
Channel Lining

Product:
PYRAMAT[®] High
Performance Turf
Reinforcement Mat

Location:
Bell Road
Scottsdale, AZ

Owner:
City of Scottsdale, AZ

Engineer:
Gannett-Fleming
(Phoenix, AZ)

Contractor:
Achen-Gardner



THE PROBLEM

Severe erosion of ditch channel banks along roadway in 2002



THE SOLUTION

PYRAMAT[®] used to line the refurbished channel



THE INSTALLATION

High strength woven material with 50-year UV resistance



THE PERFORMANCE

Aesthetic hard armor alternative with native plantings

PROJECT SUMMARY:

In 2002, the City of Scottsdale, AZ needed a permanent protection solution for an eroding roadway drainage channel fronting commercial developments along Bell Road. Riprap and concrete were unpopular ideas, and exceeded the City's budget for erosion control on this project. Propex worked with Gannett Fleming to propose PYRAMAT[®] to reinforce native vegetation to provide a UV-stabilized, permanent lining capable of withstanding heavy flows from desert monsoons.

ARMORMAX[®] FEATURES & BENEFITS:

- UV Stabilized for 50-year Longevity
- Performance-proven Alternative to Riprap and Concrete
- Easy and Rapid Installation
- Vegetated with Hydraulically Applied Native Seed Mix
- More Cost-Effective than Traditional Solutions
- Proven Technology
- Sustainable Results



Propex[™] Infrastructure
Solutions

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