

Pyramat[®] Turns Flood Channel Into Park

PROJECT

Abbott Wash

Location

Mesquite, Nevada

Installation Date

September, 2001

Owner

Mesquite Vistas

Engineer

GC Wallace

Contractor

Alford, Inc.

Product & Quantity:

Tan Pyramat[®] – 24,000 SY
Landlok 435 – 4500 SY

Approving Agency

City of Mesquite
Clark County Regional Flood Control District

Usage

Pyramat[®] High Performance Turf Reinforcement Mat (HPTRM)

was used in the main channel area. Landlok 435 was used in the freeboard region.

Notes

High velocities and the close proximity of houses to this flood channel dictated the need for 6" reinforced concrete to line Abbott Wash. The developer, Mesquite Vistas, wanted to turn the channel into a linear park, but with velocities exceeding 14fps, a traditional grass lined channel was not possible. Standard turf reinforcement mats could not be used in the main channel section due to concern over UV degradation and potential damage caused by the recreational vehicles that will have access to the wash. Pyramat[®], having been tested for velocities exceeding the expected 14fps in Abbott Wash, was proposed to reinforce the turf and replace the concrete. With a tensile strength of 4000 lb/ft, Pyramat[®] could easily handle anticipated recreational and maintenance vehicular traffic on the 3:1 slopes. The net savings to the owner totaled over \$1.2M and the homeowners gained an aesthetically pleasing park.

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