



# Queen Creek Wash Improvements

Queen Creek, Arizona

Dibble designed the improvements for 1.4 miles of the Queen Creek Wash from Sossaman Road to Hawes Road. The improvements included increasing the capacity of the wash to safely convey the 100-year storm runoff, providing an attractive and environmentally supportive landscaped corridor, and providing a multiuse trail for active residents and equestrian enthusiasts.

We utilized a unique approach to increasing the capacity of the wash for this project. A typical approach to increase the capacity of a wash is to simply enlarge the flow area of the entire wash cross section or increase the hydraulic capacity using smoother materials such as concrete or stone linings. The Queen Creek Wash project, however, limited modification of the wash to the wash banks, leaving the existing sandy bottom of the wash undisturbed. This allowed much of the existing vegetation and natural habitat to be saved and remain in place. The existing wash banks were laid back and vegetated with native plant species. The project also included the design of a new bridge crossing at Sossaman Road and associated roadway improvements.

**This project received the American Public Works Association 2005 Project of the Year, Environmental \$2-10 Million, Award**



## Drainage & Flood Control

**Client:**  
Town of Queen Creek