

# **SAND FLOWER COMMUNITY ASSOCIATION**

## **Evaluation of Drainage System**

The Board of Directors of the Sand Flower Community Association is interested in obtaining bids from qualified engineering consultants for an evaluation of the development's drainage system, including the basins and contributing washes. The City of Scottsdale's Storm Water Planner has advised that the system is experiencing scour and sediment disposition.

Specifically, the Board desires an itemized quote for the following tasks:

- A hydraulic analysis of all washes to determine velocities and flow depths;
- A sedimentation analysis to determine transport, scour, and disposition;
- A qualitative assessment of the levee in Stagecoach Pass wash;
- A review of the original drainage plan to verify the adequacy of assumptions and construction.
- An identification of factors external to Sand Flower that impact the proper functioning of the drainage system, in particular any developments approved subsequent to Sand Flower that have impacted the hydrology and hydraulics of the community;
- A recommendation for conceptual designs to mitigate or correct identified drainage problems.