



*Lofts at McKinley, LEED Platinum
Phoenix, AZ*

STRATEGY

New three story housing complex pursuing LEED certification has a below grade parking garage where we located the rainwater harvesting system. We interrupted the roof and patio and planter drains with variable water quality, vortex pre-filters, float valve - city make-up water, 1 hp. Submersible pump connected to irrigation system, overflows plumbed back into roof drains.

SPECIFICATIONS

- AVG. ANNUAL PRECIPITATION: 7"
- CAPTURE SURFACE: Total EPDM roof, precast paver
- ROOF AREA: 19,260 sf
- CONDENSATE: undetermined volume
- PRE-FILTRATION: 2 - WISY 150 vortex filters
- STORAGE: 2 - 5000 gal. poly tanks
- PUMP: 1.0 hp. submersible



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ENVIRONMENTAL DESIGN®

Designer: Heather Kinkade, TBKA

Installer: Skywater