



TOWN OF  
**QUEEN CREEK**  
ARIZONA

# Maricopa County Air Quality Dept QC Air Quality Project 2013



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March 6, 2013

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# Air Quality Project 2013

- Maricopa County Air Quality Department (MCAQD) has issued an Invitation to Negotiate
- Requesting proposals for Air Quality project(s) within 5 miles (7.5) of QC Landfill
- \$1 million total funds available
- Proposals must meet the goal to ensure federal clean air standards in Maricopa County

# Project Categories

## ■ Pollution Prevention

- Reduces or eliminates pollution before generation
  - Solar projects
  - Energy audits

## ■ Pollution Reduction

- Reduces or eliminates after generation
  - Pave dirt roads
  - Alternative fuels





# Invitation to Negotiate Schedule

- Proposal Submission Deadline
  - **March 15, 2013 (March 29, 2013)**
- Review Proposal/Short List
  - **April 8, 2013**
- Proposed Selection/Negotiation
  - **April 29, 2013**
- Proposed Award of Contract
  - **May 20, 2013**
- Contract Terms
  - **Beginning July 1, 2013 – June 31, 2014**
  - **Maximum 1 year additional term**

# Proposed Projects

- Horseshoe Park & Equestrian Centre Driveway Pavement Project (Friends of Horseshoe Park)
- QC Library Photovoltaic System (Solar)
- Alternative 1:
  - Landfill Trails Design & Construction (Private Citizen)
- Alternative 2:
  - CNG (compressed gas) Fueling station



# HPEC – Driveway Pavement Project



**Cost:** \$214,625

**Annual Savings:**  
\$24,605

**Project Details:**

Construct paved driveways from Riggs Rd to back parking lot

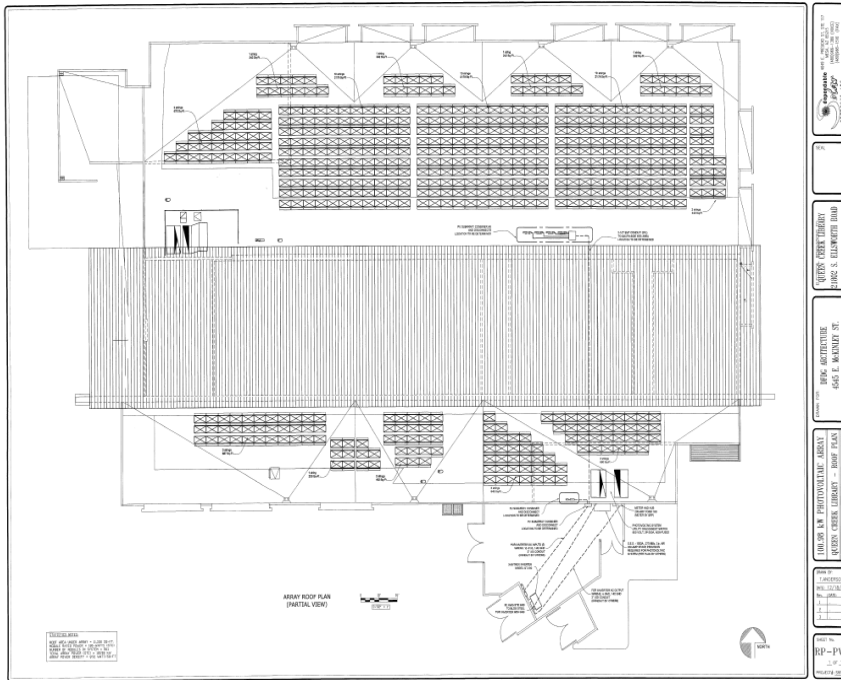
Approx length is ½ mile total

Tint asphalt

**Lead Applicant:**

Friends of Horseshoe Park

# QC Library - Photovoltaic System



**Cost:** \$250,000-\$500,000

**Energy Savings:** \$14,650

**Project Details:**

Library's green building construction included capacity and infrastructure for photovoltaic panels on roof. Project could be completed in phases

**Lead Applicant:** Town of Queen Creek



# Alternative – QC Library Parking Lot Solar

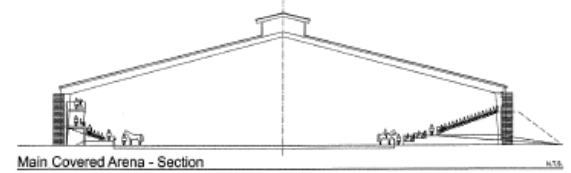
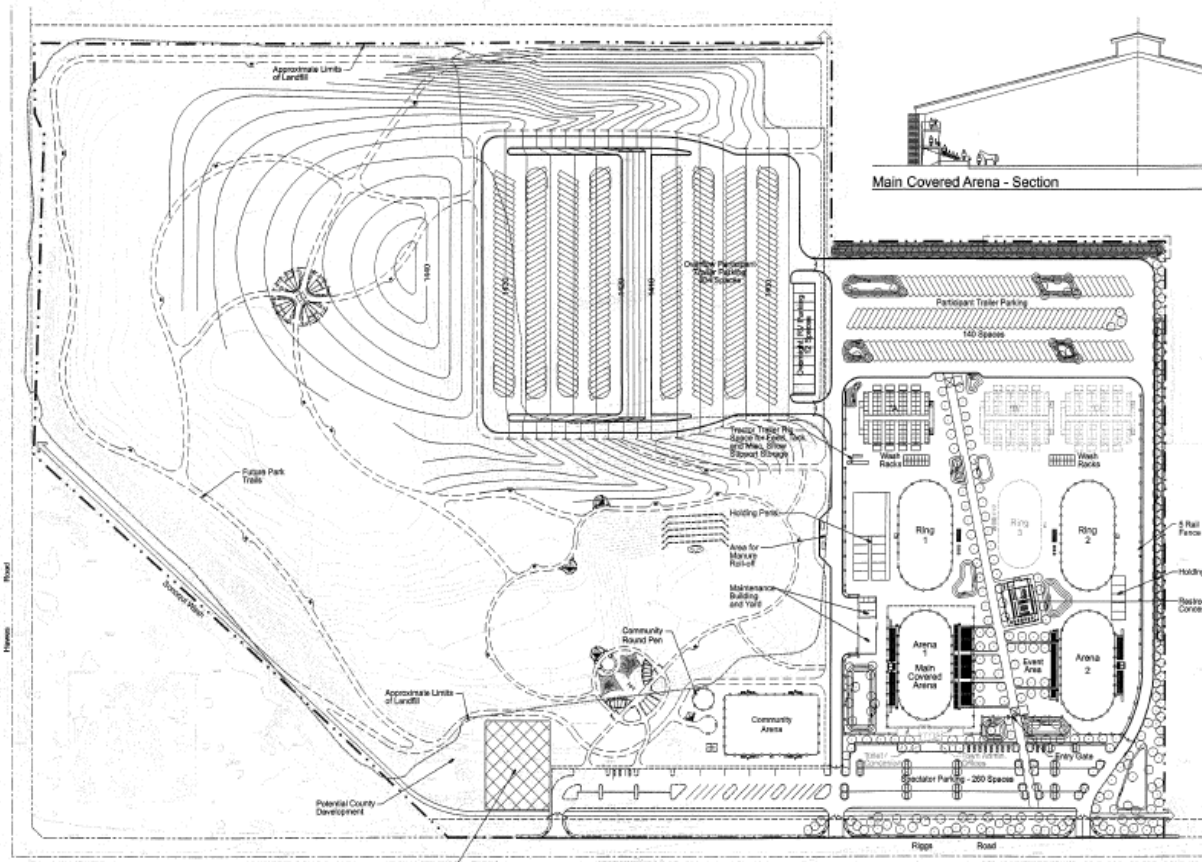


Phoenix's Barton Barr Library Parking Lot

Solar Panel Covered Parking

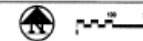


# Alternative #1 Project – HPEC Trails



PTOS Citizens Committee Requested Revision Revision Date: 11/21/06  
**HORSESHOE PARK and EQUESTRIAN CENTRE**

Master Plan Date: 07/21/06



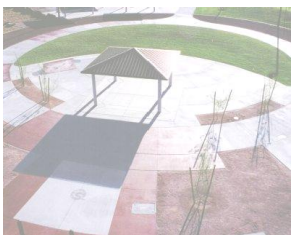
# Alternative #2

## Compressed Natural Gas (CNG)

- Southwest Gas – Natural Gas Supply Facilities
- CNG Station Players – may be one organization
  - Builder
  - Owner
  - Operator
- Property Owner – Lease/Sell/Lower Cost per GE
- Vehicles – Light Duty/Heavy Duty
  - Honda Civic
  - Ford – MISC.
  - Chevy – 2500 HD
  - Dodge Ram – 2500 HD



# Golden Eagle – Tucson, Az. Public/Private



# Apache – Houston, TX





QUESTIONS/COMMENTS?