Creating a ‘There’ Here

Livable Phoenix

Nan Ellin, Ph.D.  Associate Professor  Arizona State University
Revitalizing Phoenix

• Nature and the City
• ASU and the City
• Cores and Corridors
• The Car and the City
Environmental Enhancing

Emeralds
Downtown Phoenix Conservancy
initiated by Cyd West 2003

Non-profit organization dedicated to the creation and preservation of nature in the city through:

• Community gardens (City Sprouts)
  • Playgrounds
  • Recreational areas
• Linear parks, pathways, & trails
• Date palm groves (Agri-tecture)
• Connective shade structures (Cool Connectors)
SHADE STRUCTURES
Shading Through the Year

June
Shading Through the Year

December

North Roosevelt Street South
Temperatures & Solar Radiation
Phoenix, Arizona

Climate Graph – Avg. Hourly Temperatures & Solar Radiation: from Weathermaker
Typical Day Psychrometric Chart
Phoenix, Arizona

Climate Graph – Psychrometric Chart of Typical Days: from Weathermaker
Park-et (parking/market)
Integral Studio:  Cool Connectors
Dan Hoffman 2001
Phoenix Public Market
Integral Studio
Spring 2004
See 3 videos on the

*Re-introduction of Nature*

by Jesus Lara

**Instructions:**
1. Click on projector.exe
2. Click on each video separately
Urban Park Network

Small scattered parks, variously programmed, linked by linear parks, including the potential rail + trail with the new Phoenix Public Market. e.g. Savannah, Barcelona, Denver

Continue to revitalize Margaret Hance Memorial Park (Deck Park)
City Sprouts
Urban Gardens for Phoenix

Case Study
Center for Urban Education about Sustainable Agriculture
CUESA (Bay Area, CA)
Green It Up!

Benefits of Urban Gardens

- Promote social interaction
- Encourage community involvement
- Provide alternative food source
- Promote community distinction
- Educational opportunities
- Outreach programs
- Promote cooperation among a variety of institutions and groups
- Viable infill option for unused city lots

Shawn Goetzinger
City of Phoenix Resolution

Whereas, The City of Phoenix recognizes and supports urban gardening as an activity that can enhance community development, promote positive social interaction, strengthen environmental awareness and community education, the City Council of Phoenix proposes the following resolutions and their subsequent actions.

Resolution I: The City of Phoenix will support and encourage the development of urban gardening centers through the following actions:

- Establishment of a City Sprouts program to promote and organize the creation of urban gardens.
- Provide access to information concerning the development and management of urban gardens.
- City Sprouts will be included in evaluation of priority use of surplus city property.
- Establishment of educational programs involving both community residents, surrounding schools and outreach programs.

Shawn Goetzinger
City of Phoenix Resolution

Resolution II: The City of Phoenix will support and encourage the management of urban gardens through the following actions:

- Promote interagency cooperation and intergovernmental cooperation among agencies such as Parks Department, Engineering Department, Housing authority, Local school districts, Water department, waste management and Valley Metro.

- Provide administrative and budgetary resources when possible to help the public manage urban gardens to the fullest extent possible.

- Provide easy access to information concerning the management of urban gardens.

Shawn Goetzinger
Livable Streets
Activate right-of-ways
Street Resurfacing

Alternative paving surfaces:

• Lower temperatures of open areas--reduce “heat-island effect”
• Permeable parking surfaces
• Additional open spaces in residential areas
Downtown Phoenix has more vacant land than any other major city in the US.
At Pueblo Grande, it is estimated that the canal system irrigated at least 10,000 acres of farmland.
Date palm groves on landbanked lots
Date Palm Groves

- Immediate beautification of downtown
- Movable
- Sellable
- Income producing
- Organic (no pesticides)
- No expensive equipment (a ladder)
- Ag work base within walking distance
- Marketing on site (no shipping)
- Downtown Date Festival
- Tie directly to our unique heritage
Costs

- 50 date trees per acre
- Shoots cost $100 each
- $5,000 per acre for trees
- $1000 labor
- $500 drip irrigation
- $6500/acre
15 cents per ft$^2$
Income

• Mature date tree produces 300lbs. of fruit
• Date stands: $2-8 per pound and date shakes
• Mature trees sell for $50 per trunk foot
• 3 offshoots per tree first 5 years
• Date festivals
• Cost differential of conversion to agricultural
Existing Alleyways

Another opportunity for connection between the green space around I-10 and a possible rail to trail park system south of downtown lies in the existing alleyways which are scattered throughout the city. Development of regulations and infrastructure for these alleyways could provide a pedestrian friendly trail system away from the main vehicular traffic. It would also beautify an area that traditionally is forgotten.
AlleyScaping

The use of date palms on the vacant lots would provide shade and help create a park environment. The subsequent use of other temporary fixtures and amenities would further define the greenspace while maintaining the ability to be moved at the point when a developer wants to build or sell the piece of property. Gabion Walls consist of a metal cage into which stones are placed. The dry stacked stone and metal cage create what could be a temporary wall structure to define areas along the alleyscape. The use of native plants in the landscape can help to establish a sense of place.
The date palms are organized on the vacant site in a 30'X30' grid. Decomposed granite paths are then used to allow flow through the palm grove while remaining temporary in nature. At the alley, the paving has been reduced in half, allowing one way flow only for vehicles. The lane provided is also narrow, helping to keep speed down on the few cars that may come through. The asphalt has been replaced with porous concrete pavers that allow grass to grow through. Trash containers have been contained in gabion enclosures. The improvements at the alley will allow for a second entrance to buildings and residences.
Retrofitting the Corner Mall

by
Jens Kolb

2004
Spring Semester 2004 APH 598 Slash City

HTTP://PHX://CITY.AZ
CORNER MALL @ BETHANNY HOME ROAD & 16TH STREET, AZ

JENS KOLB
Spring Semester 2004 APH 598 Slash City

HTTP://PHX/CITY.AZ
CORNER MALL @ BETHANNY HOME ROAD & 16TH STREET, AZ

JENS KOLB