University of Arizona

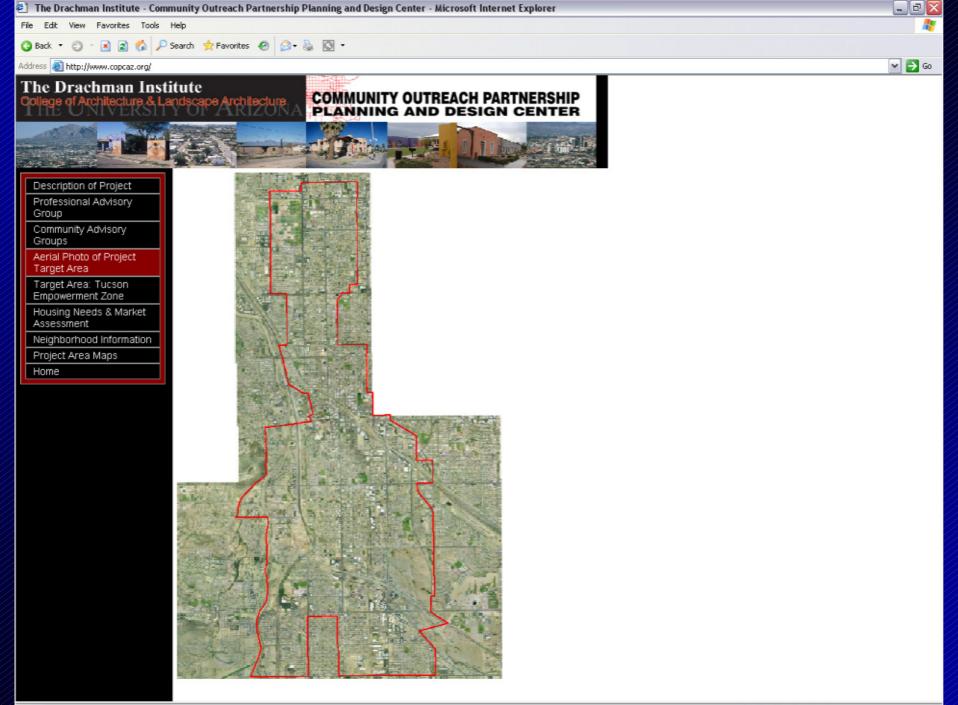
Tucson, Arizona

Community Outreach Partnership Planning & Design Center

Supported by funding from

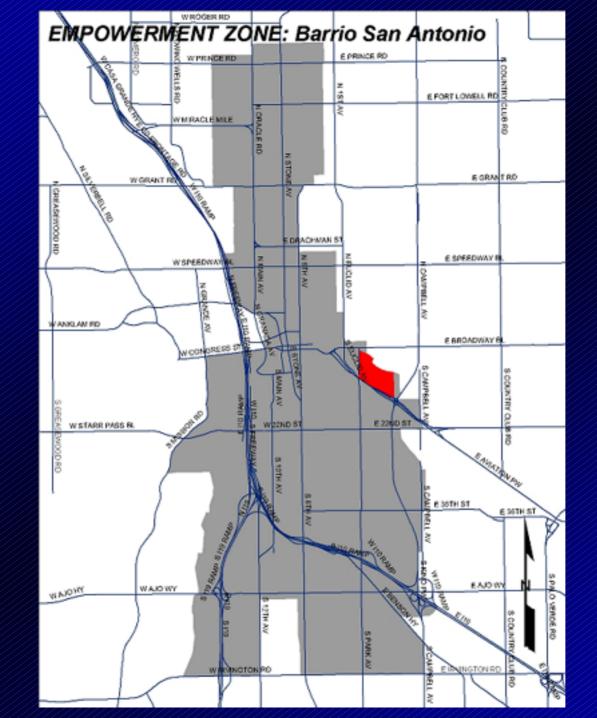
U.S. Department of Housing and Urban Development, Office of University Partnerships

The work that provided the basis for this publication was supported by funding under the Grant Number COPAZ-03-011 with the U.S. Department of Housing and Urban Development, Office of University Partnerships. The author and publisher are solely responsible for the accuracy of the statements and interpretations contained in this publication. Such interpretations do not necessarily reflect the views of the Government.



Tucson, Arizona Community Futures Demonstration Project Drachman Institute ~ University of Arizona 2005

BARRIOS



Barrio San Antonio

SITE FEATURES

- Residential
- Parks
- Washes
- Schools
- Commercial
- Railroad
- Points of Interest



Demographics: Population Characteristics

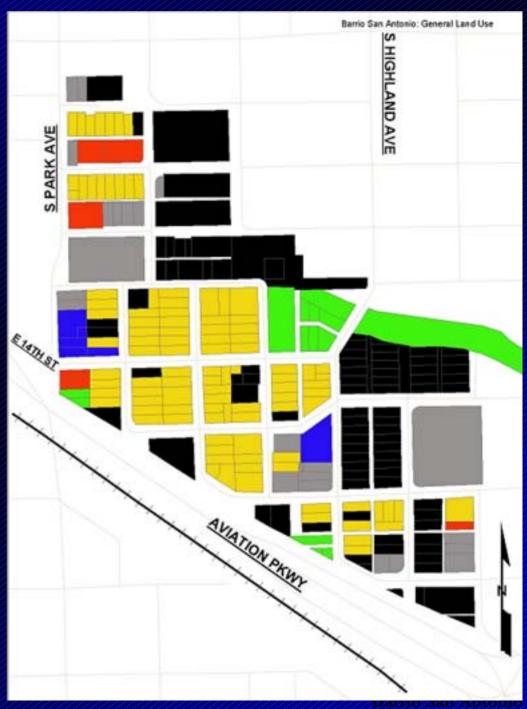
Source: 2000 U.S. Census Bureau

		BARRIO SAN ANTONIO	EMPOWERMENT ZONE	CITY OF TUCSON
	Total Population	272	52,256	486,699
RACE	White	68.01%	52.59%	70.20%
*Hispanics may self- identify under any racial category	Black	2.57%	4.55%	4.30%
	Native American	2.57%	4.48%	2.30%
	Asian	2.57%	2.11%	2.50%
	Hawaiian/Pacific Islander	.37%	0.18%	0.20%
	Other	18.01%	31.63%	16.80%
	Multiple Races	5.88%	4.45%	3.80%
ETHNICITY	Hispanic*	52.57%	59.39%	35.70%
SEX	Males	49.26%	49.90%	49.00%
	Females	50.74%	50.10%	51.00%
AGE	Under 18	23.90%	26.88%	28.66%
	Over 65	7.72%	8.54%	11.90%

Land Use

- Residential
- Commercial
- Heavy Commercial/ Industrial/Railroad/
- Bus Parking
- Public/Institutional
- Vacant/Parking
 - Park/Washes/Open Space

Source: Windshield survey by the Drachman Institute, 2004



Housing Conditions

\$ = Estimated repairs to bring to excellent condition

Excellent: \$0

New construction, everything is kept up

Good: Up to \$10,000

Needs minor cosmetic touch ups, part of normal maintenance

Fair: \$10,000-\$20,000

Fixer-upper, general condition is good but needs some work

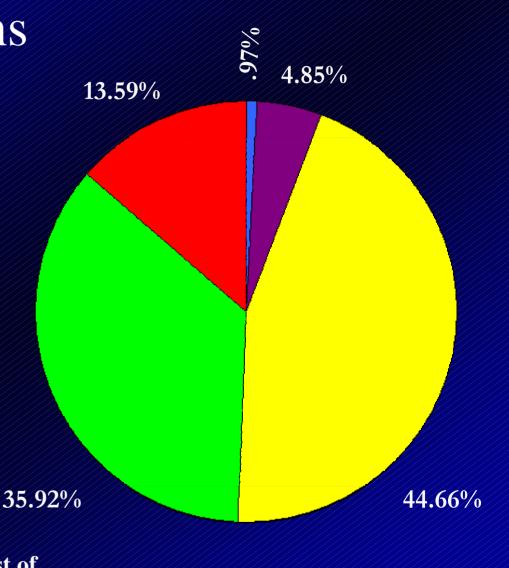
Poor: \$20,000-\$40,000

Needs a lot of work/money but is not bad enough to tear down

Replacement:

Cost of repairs is greater than the cost of replacement





DUNBAR SPRING MEIGHBORHOOD

icson, Arizona

Dunbar/Spring

Community Futures Demonstration Project Drachman Institute ~ University of Arizona 2005

SOUTH PARK EGHBORHOOD

Community Futures Demonstration Project Drachman Institute ~ University of Arizona

2005

Community Outreach Partnership Planning & Design Center The University of Arizona

Site Analysis Parcel 118-22-3680



Melissa Tom Arc 326 October 22, 2004

Table of Contents

Created October 24, 2004 Site parcel: 118-22-3680

Description of Project and Site Location

- 1. Location of Site in Arizona and Tucson
- 2. Location of Site in Empowerment Zone and Neighborhood

Neighborhood Context

- 3. Figure Ground Area
- 4. Zoning and Land Use around Site
- 5. Circulation of Traffic, Pedestrians, Bikes, and Buses around Site

Size and Zoning

- 6. Dimensions and Size of Lot and Rights of Way
- 7. Zoning of Site and Legal Descriptions

Sensory

- 8. Views from Site
- 9. Views into site
- 10. Air, Ground and Noise Pollution

Utilities

- 11. Water and Sewage Locations
- 12. Power, Telephone, and Gas Locations

Natural and Man Made Features

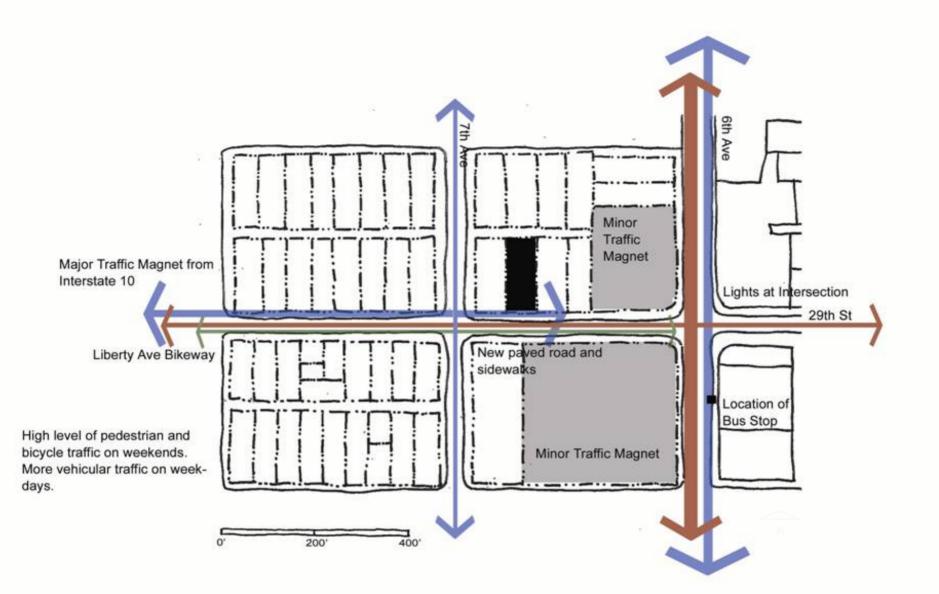
- 13. Vegetation and Built Features
- 14. Water Drainage around Site

Human and Cultural

- 15. Negative Activity
- 16. Census Information of South Tucson

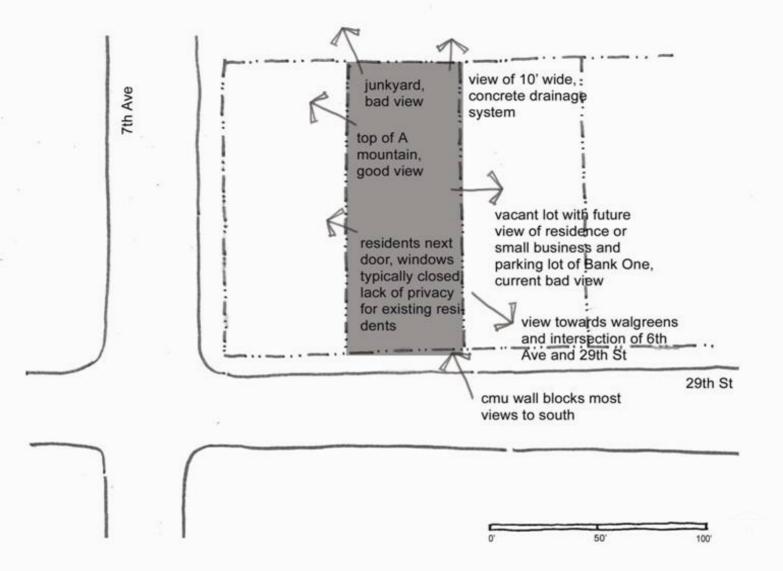
Climate

17. Rainfall and Temperature



Vehicular Circulation Bus Circulation Bicycle Circulation

Circulation Neighborhood Context



Primavera Foundation

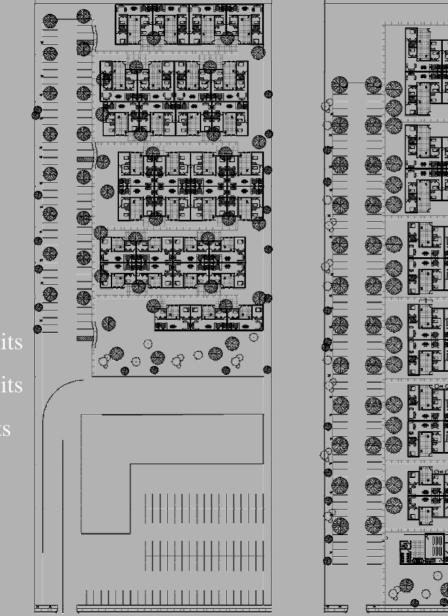
- A non-profit organization created to assist the homeless
 - » "grass roots, volunteer and advocacy-oriented base"
- St Martin's Center Soup Kitchen
 - » Lawsuit
 - » Primavera Foundation
- Founded in 1982







Site Plan Options



51 units

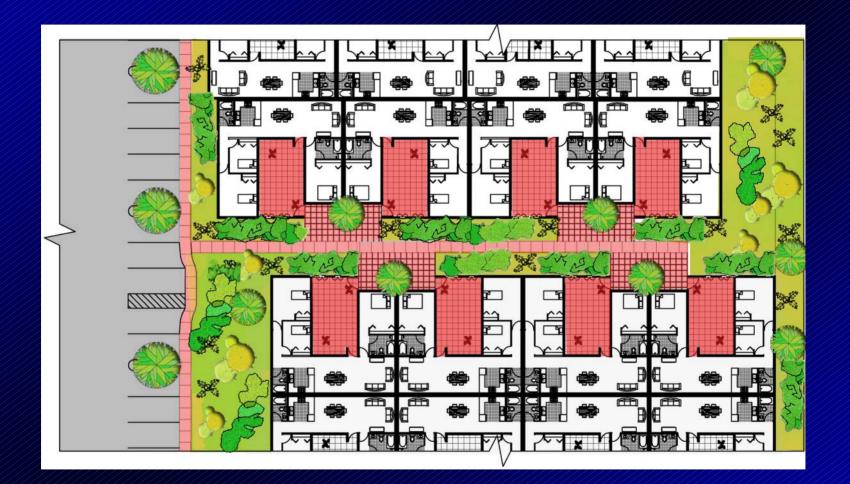
11 2-bedroom units24 3-bedroom units16 4-bedroom units

31 units with commercial

11 2-bedroom units12 3-bedroom units

8 4-bedroom units

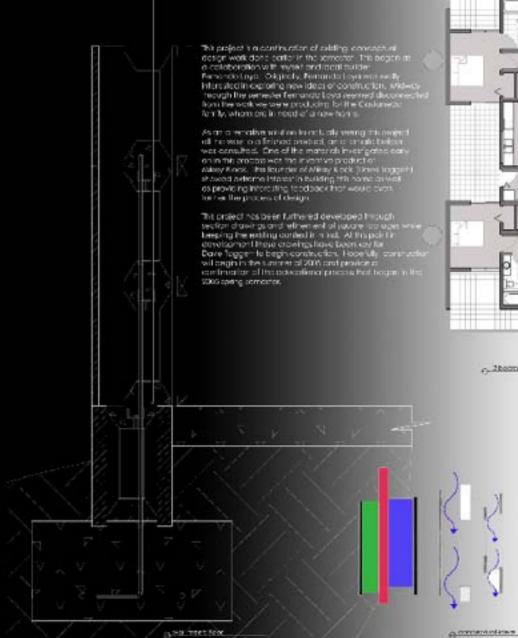
Cluster Context



South Tucson Infill

Charles Calloway, Daniel Tylutki

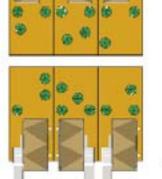
- Working with South Tucson
- Working with builder, Fernando Loya
- Working with Mikey Block material supplier



27 = 1



C. Steepors a an 1201 oft. 101-1



intervention alle richt



Closensor 110 cm

10.11



O destructeration

Optimizarization



Question:

Can infill development take place within the Empowerment Zone to maximize the allowed density of existing zoning yet, improve the land use efficiency and the quality of outdoor space while protecting the privacy of neighbors?

Problem:

The City of Tucson's Land Use Code requires setbacks in R-2 and R-3 zoned areas that keeps 25 to 30% of a parcels total area as open space. This setback essentially puts the development at the core of the parcel leaving a remnant of space that does not benefit the community. When infill development occurs

on vacant R-2 or R-3 lots, the development results in a product that is reduced to a "box" style development.

Solutions:

1. Lot Development Option (LDO) / Design Development Option (DDO).

property party restored of the lines.

1000 S.J. + 4075

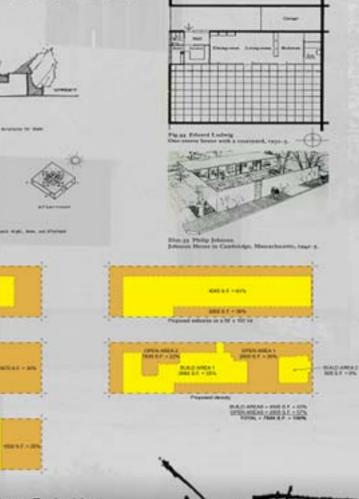
Interdiert methodos on a fur a 1921 44

TAXABLE + NO.

man L.C. - NYA

R.2 nerestal family

2. Find blocks that are "undeveloped"



COMMUNITIES

The Drachman Institute nitecture & Landscape

Cross Disciplinary Project by Architecture: Jared Humphries Planning: Thomas Thivener

salition if a last

STREET - DOG

SOLUTIONS TOWARDS CREATING A MORE RESPONSIVE INFILL DESIGN

1. Design Development Option (DDO) [formerly known as a Lot Development Option]

An DDD is the zoning process adopted by the City of Tucson that provides the ability to modify setbacks on new construction. An DDO can also be used to increase the height. of a perimeter wall or fence over six feet. More information on the DDO process is located in Section 5.3.4 of the Tucson Land Use Code.

The city created the DDO in order to:

- . Encourage the efficient use of land through design innovation
- · Provide administrative relief to zoning requirements that do not affect the adjacent properties and the surrounding neighborhood and community.
- · Provide the ability to modify design requirements in instances where the strict application of the requirement may not be practical due to topography, existing development, whether on site or on adjacent properties; or life safety issues.
- Provide for energy conservation through flexible site and building design.
- · Provide for consideration and implementation of alternative design solutions within the intent of the regulation in a timely and efficient manner.

The DDO process takes approximately four weeks to complete. Once staff has accepted the application, notification is mailed to adjacent property owners. They have two weeks to comment on the request. The Planning Director then makes a decision based on the specifics of the request and any comments received. Notification of the decision is then mailed to the applicant and the adjacent property owners. They have two additional weeks to appeal if they disagree with the decision. If no appeal is filed, the Planning Director's decision becomes final.

Prior to applying for the DDO the developer would be wise to communicate with neighbors on the project and make modifications to the plan so that consensus can be reached and the project ultimately succeeds.

Key facts with DDO's:

- An DDO is not available if a developer is doing a residential cluster project (RCP). as a RCP already provides less stringent standards
- b. An DDD is unlikely to be passed if it adversely affects the privacy of neighbors.
- c. An DDO is unlikely to be passed if it blocks pedestrian or vehicular visibility.
- d. An DDO will not increase the number of units or square footage of a parcel zoning still dictates this
- e. The modification does not reduce the setback from a street to less than is allowed under the provisions of Sec. 32658.
- f. The modification is not for an increase in height of more than two (2) feet to an accessory wall or fence, except that an increase of up to four (4) feet may be considered for entry features on walls and fences.

Lot Development Option with the City of South Tucson

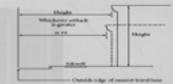
The City of South Tucson also has a Lot Development Option written into their land use code (Sec. 24-536.). The purpose of their LDO is to "permit modifications in setback requirements which encourage original and efficient site design." An LDO application is likely to be denied if the design is considered to be extreme by the Planning staff or if neighboring property owners protest.







Another way to avoid the standard setback or perimeter yard requirement. in the City of Tucson is to locate the future infill development in an area that is "developing". If an area is developing the front setback of the development can be 21 feet or the height of the building (the greater of the two) from the edge of the nearest adjacent travel lane. This is advantageous from the standard setback which is measured from the curb or from the parcel line. The street however cannot be a collector, an arterial or a street with a daily traffic count of less than 140 vehicles. The diagram below illustrates this measurement.



"Developing areas" is defined as a block where more than 50 percent of the lots do not conform to the required front setback. If a block has a high prevalence of vacancy, meaning no structures exist, that counts in favour of nonconformity. Contrary to this are "developed areas".



Above is an example of a "developed area". This location in the West Ochoa Neighborhood is zoned R-3 and requires a 10 feet setback for 1 story homes. A majority of the parcels have a setback of 10 feet or greater (actual setback is in green). Only two lots have a setback less than 10 feet (actual setback is in red).



Above is an example of a 'developing area' in the same neighborhood. Here only two of the seven parcels conform to the setback requirement. The other lots are vacant and therefore do not conform to the setback. requirement. In this case a developer has a prime opportunity to develop an infil product that is 21 feet from the nearest travel lane which puts front of the unit 1 or 2 feet behind the property line.

Cross Disciplinary Project by Architecture: Jared Humphries Planning: Thomas Thivener

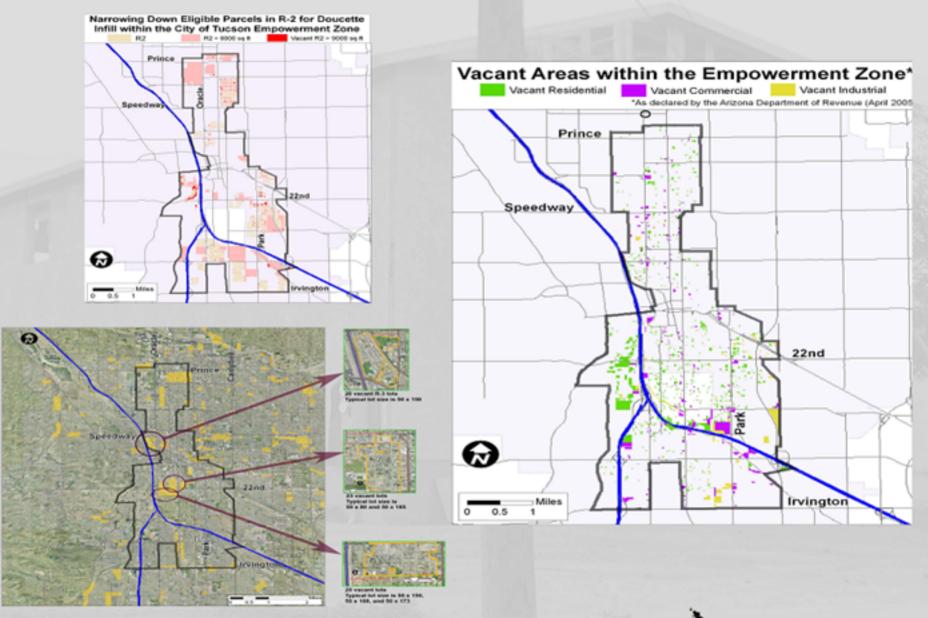
COMMUNITIES

The Drachman Institute

2. Find areas that are deemed "developing"



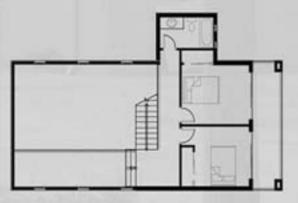




The Drachman Institute College of Architecture & Landscape Architecture Cross Disciplinary Project by Architecture: Jared Humphries Planning: Thomas Thivener

oucel COMMUNITIES









The Drachman Institute College of Architecture & Landscape Architecture

Cross Disciplinary Project by Architecture: Jared Humphries Planning: Thomas Thivener

SENTINEL PARK



PROJECT GOALS

 To create a mixed-income site plan that complies with the "A" Mountain Neighborhood Plan

To explore rezoning possibilities and new site designs

SITE EXISTING CONDITIONS

- **Sentinel Park**
- Zoned R-1 (Urban, low density, single-family residential) Except for a section of lots 31-32 which are zoned R-2
- 48 lots
- 9.89 gross acres
- Individual Lot size: 7,000 Sq.Ft.
- Allowable Coverage: 70%



E X | S T | N G P L A N



P ROPOSED P L A N



ROOF PLAN





A Partnership:

The University of Arizona

The College of Architecture & Landscape Architecture

Drachman Institute (HUD-Community Outreach Partnership Center),

Drachman Design/Build Coalition Architecture 402 Design Studio 452 Design/Build Studio

Landscape Architecture

Habitat for Humanity Tucson
Tucson Urban League



THE UNIVERSITY OF ARIZONA.

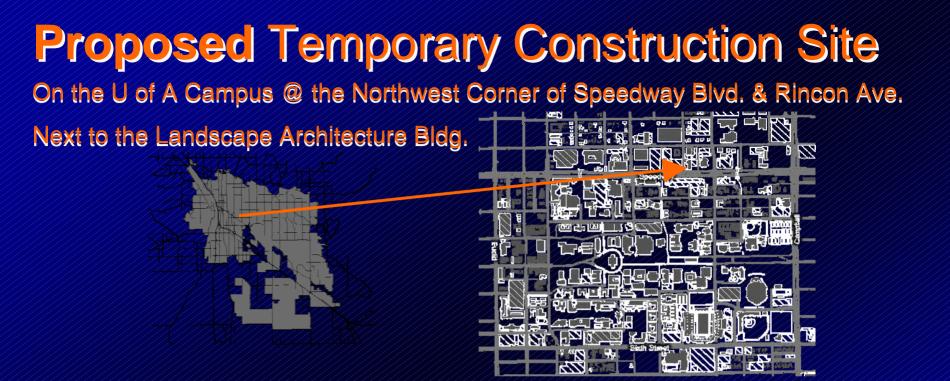




The University of Arizona

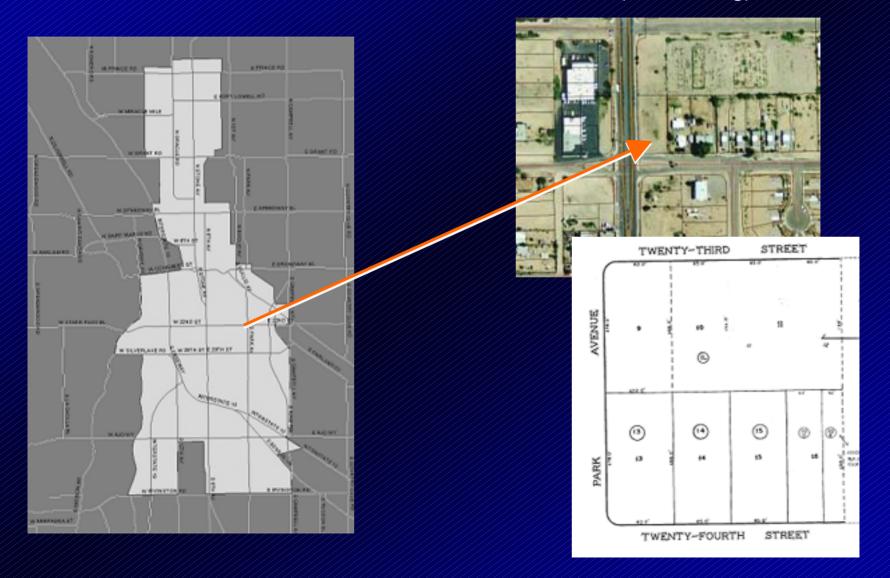


- Students, Faculty, Staff, Administration, Alumni, Departments, Schools, & Organizations
 - \$65,000 Fundraising
 - Temporary site for construction of 65% of the house
 - Lectures, Educational Opportunities, Information to the Public
 - Advertising
 - Labor





Proposed Permanent Home Site On the Northeast Corner of 24th St. & South Park Ave. (R-2 Zoning)



Proposed Permanent Home Site

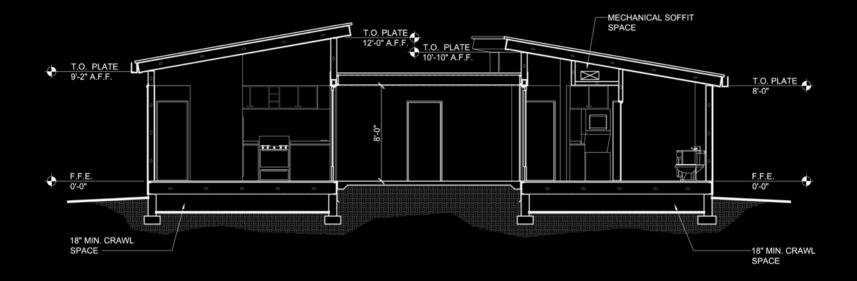
On the Northeast Corner of 24th St. & South Park Ave.

Currently Under Review for a Lot Split – Into Three (3) Parcels





Floor Plan





Current Plan - November 14, 2005 @ 9:00 a.m.





Habitat for Humanity & University of Arizona Residence

Landscape Plan

Drachman Design/Build Coalition 819 East First Street Tucson, AZ 85721









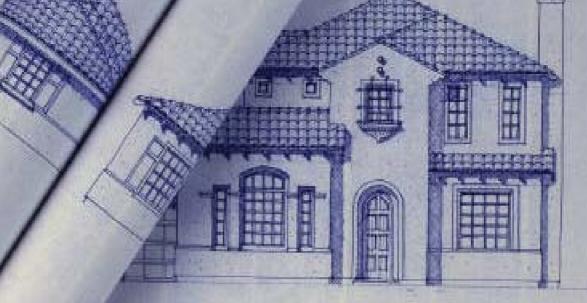










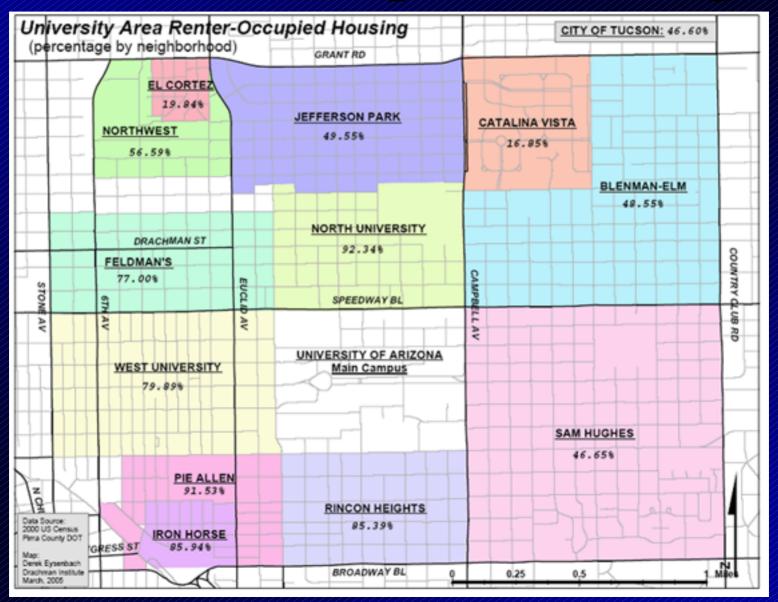


An Exploration in Design and Ownership Models

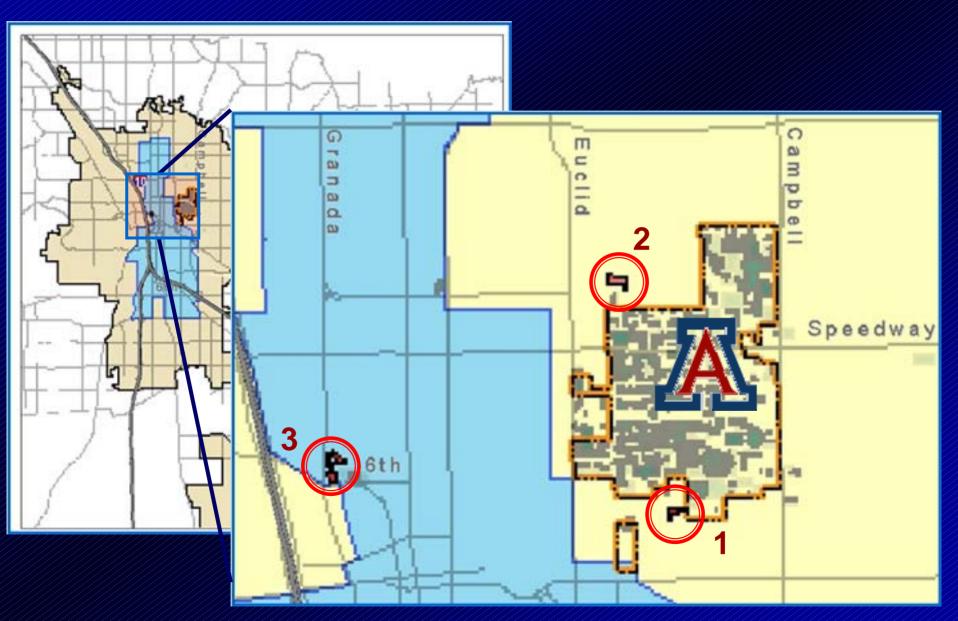
University of Arizona Employer-Assisted Housing

University of Arizona Office of Community Relations: Jaime Gutierrez Drachman Institute, College of Architecture and Landscape Architecture Professor Corky Poster; Students Erika Green, Nadia Pischansky, Thomas Thivener

Renter-Occupied Housing



S Project Stees



Neighborhood Context





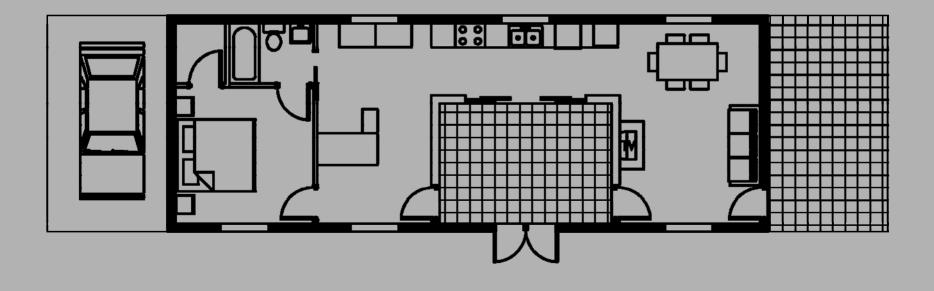
View looking West from East of site



Site Plan

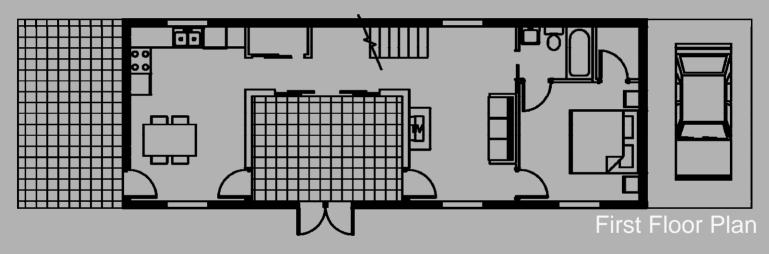


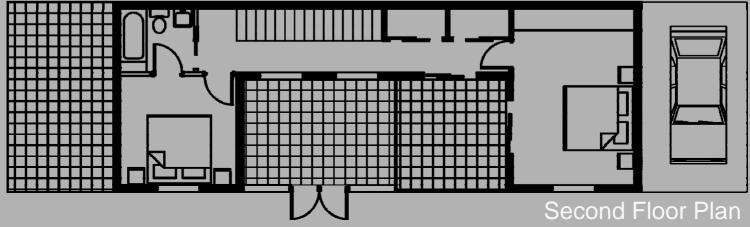
Final Proposal for Single Family Flousing Single Story Detached Dwelling



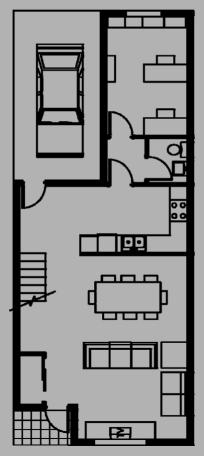


Final Proposal for Single Family Housing

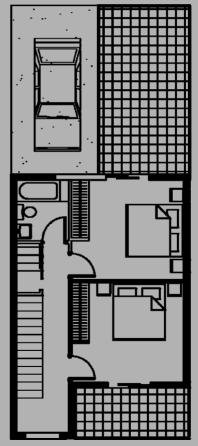




Final Proposal for Single Family Flousing



First Floor Plan



Second Floor Plan





North University Neighborhood



Current Use

Adams Health Related Professions LLLI Facility (Former children's hospital)

> **Education** Annex

Site Features

View of south-east corner of site

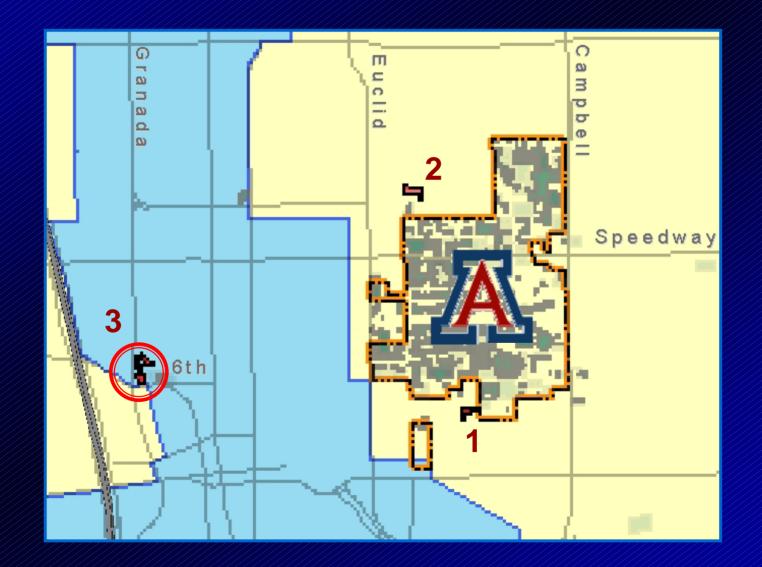


View of south-west corner of site



Potential Site Design





Site 3: 6th Street Cranad



Ownership Model #2



Community Land Trust

a non-profit corporation created to acquire and hold land to provide affordable housing ensuring continued access to the land

Ownership Model #2 continued

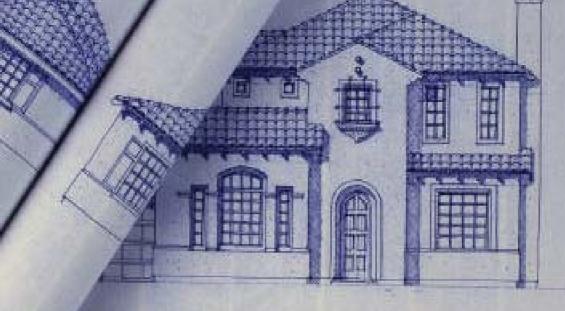
Community Land Trust



Separates land ownership from home ownership

Keeps housing affordable by removing land from the speculative market

Owner pays mortgage on the house & rent on the land



Our Next Steps:

Elaborate Site designs for Rincon and North University

- Develop site designs 6th Street/Granada
- Further research
 - housing models
 - needs of the Tucson and University communities

City of South Tucson Affordable Housing Preservation Plan

Drachman Institute HUD - Community Outreach Partnership Center College of Architecture & Landscape Architecture University of Arizona

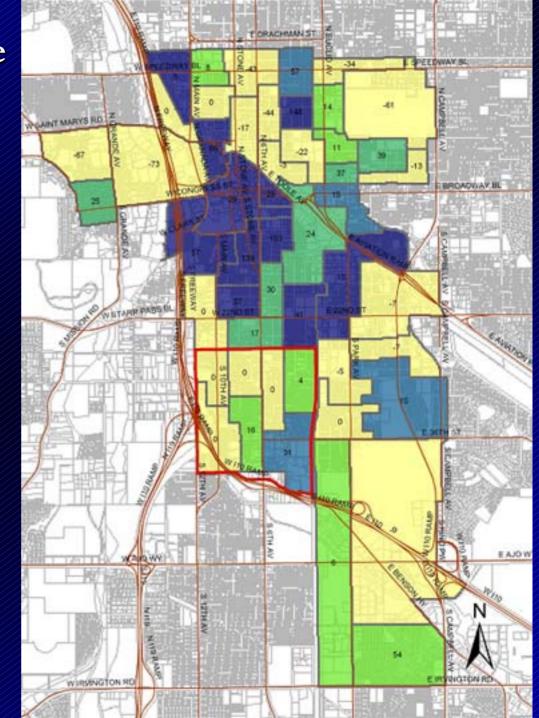
Characteristics of Gentrification

- <u>Physical upgrading</u> of the neighborhoods particularly of housing stock.
- <u>Displacement</u> of original residents.
- Change in neighborhood <u>character</u>.

Changes in white, College graduate, 25-35 years population 1990-2000

(Bachelor, Master o PhD)

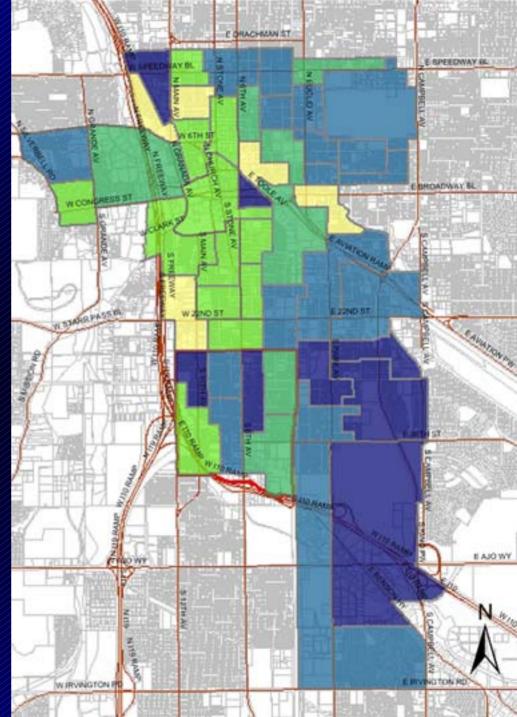
- Less than 0%
- 1-5%
- 6-10%
- 11-15%
- □ 15% and more



Source: 2000, 1990 US Census

Differences in Person from Hispanic Origin 1990-2000

- Less than -20%
- -20 to -5%
- -4 to 0%
- 1 to 25%
- 25% and more



Source: 2000, 1990 US Census

CENTRAL GENTRIFIED AREAS



Key Informants Synthesis

University of Arizona

Tucson, Arizona

Community Outreach Partnership Planning & Design Center

Corky Poster - Director

Marilyn Robinson - Associate Director