

# Clovis Urban Greening Plan

## Community Workshop #2 – Old Town

Thursday, October 16, 2014

## WHAT IS AN URBAN GREENING PLAN?

- A guide to help the City to improve quality of life for residents
- Identification of needs, opportunities and goals for creating a greener, more environmentally sustainable and livable City
- Strategies to address identified goals
- It is a plan and is opportunity-based – implementation over time

# WHAT IS AN URBAN GREENING PLAN?

Parks, trails and open space



Urban forestry and street trees



# WHAT IS AN URBAN GREENING PLAN?

## Stormwater Management



## Water Conservation

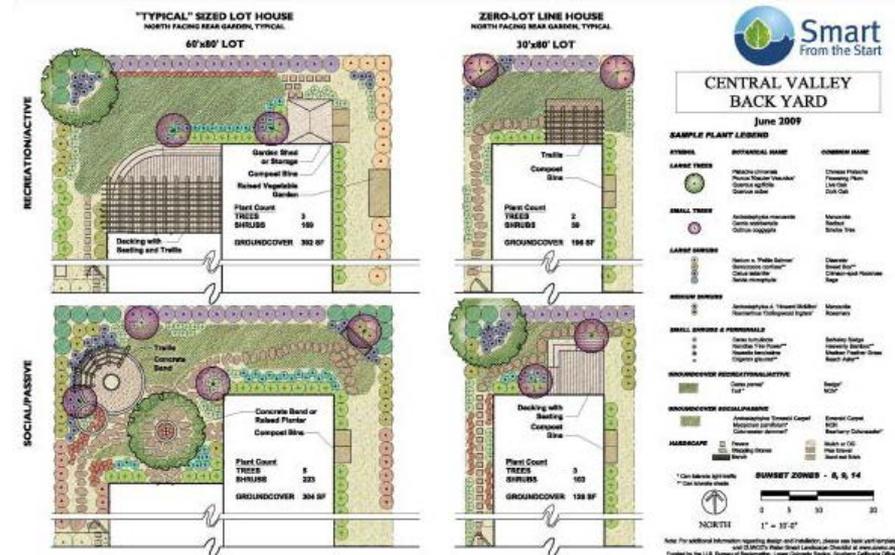


# WHAT IS AN URBAN GREENING PLAN?

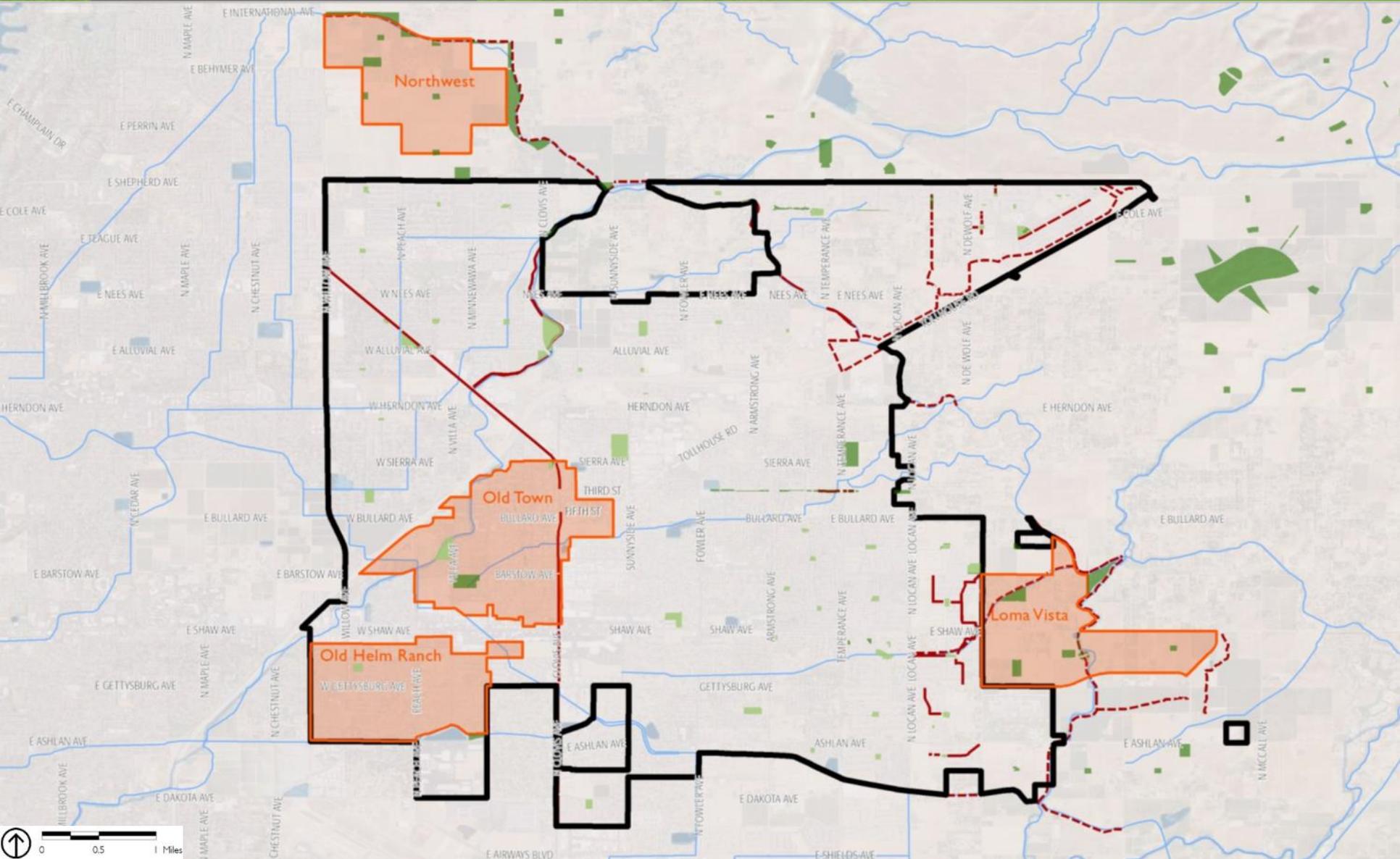
Improved pedestrian and non-vehicular access



Landscape design guidelines and plant palette



# CITY OF CLOVIS



## PROCESS TO DATE

PLANNING ANALYSIS AND REVIEW

TECHNICAL ADVISORY COMMITTEE (TAC)

First  
community  
workshop

\* GENERAL PLAN ADOPTION

March

April

May

June

July

August

September

October

- **ESTABLISHED** greening goals and strategies
- **IDENTIFIED** greening opportunities
- **DEVELOPED** greening tools

# GREENING GOALS AND STRATEGIES

## ENVIRONMENTAL CONCERNS

AIR QUALITY

WATER

PUBLIC  
HEALTH

CLIMATE  
CHANGE



COMMUNITY FEEDBACK

# GREENING GOALS AND STRATEGIES

## URBAN GREENING goals and strategies.

### URBAN GREENING GOALS

#### Increase Public Health, Community Amenities and Quality of Life

- Create new green space
- Increase access to existing green space
- Draw residents outdoors with pedestrian linkages and trails
- Green the corridors
- Provide shading to encourage walking and bicycling
- Provide buffers from streets to encourage walking
- Overall beautification and neighborhood identity through plantings
- Increase access to affordable, fresh food
- Encourage healthy eating habits through agricultural education
- Improve food security with local agriculture
- Green parking lots
- Improve the local economy
- Increase property values
- Increase activity in retail areas

#### Improve Government Operations

- Improve stormwater management (adding to permeability to reduce stormwater flow to pipes and canals would be a positive); identify opportunities for
- "Green Streets" pilot projects, install permeable pavers, remove asphalt/concrete and providing planting/bioswales/rain gardens)
- Identify opportunities to green existing policies and practices
- Design for minimum maintenance
- Water-efficient planting guidelines for streets, sidewalks, trails, and parks

#### Implement Recommendations for Previous Planning Efforts

- Urban Forest Resources Analysis: 2,512 available planting sites
- Bicycle Transportation Master Plan: Increase utilization and recreational uses of bike system
- Parks Master Plan: New open space opportunities

#### Engage the Community

- Promote long-term stewardship
- Support community development and empowerment
- Partner with community-based non-profits and local business on greening efforts

**PARKING ENF.**  
**PARKING OPPORTUNITIES**  
**STREET CROSSWALK @ SIERRA TRAIL**  
**CLOVIS TO FAY CONCRETE/PAVEMENT IMPROVEMENT**  
**CONCRETE TO MASS TRANSIT (AMER - RAIL)**  
**WALKING TOUR**

**Improve Parks!**

- SR 168 SOUND WALLS SHOULD BE ON BOTH SIDES
- STREET TREE CHERRY/LANE BETWEEN 3RD-2ND
- LEAF BLOWER @ 5:00AM

### WHAT IS URBAN GREENING?

PLACEMO

## URBAN GREENING goals and strategies.

#### Educate the Community and Businesses

- Provide information about conservation and the multiple benefits of urban greening
- Support environmental and agricultural education
- Inform the public about 2010 Local Water Efficiency Ordinance
- Inform the public about Tree Protection Standards in updated City Development Code

#### Improve Pedestrian Experience

- Safe, accessible, and sustainable streetscapes
- Increase activity on and around affected corridors
- Pedestrian access from residential neighborhoods to everyday goods and services

#### Provide Environmental Benefit

- Improve air quality
- Improve water quality/stormwater management
- Encourage Fresno Irrigation District to Restore habitat in channel condition or provide wildlife habitat
- Reduce greenhouse gas emissions
- Promote alternative transit: Biking, Walking, Public Transit
- Increase urban forest or improve with more beneficial trees
- Reduce energy needs
- Reduce urban heat island effect
- Adapt to climate change

#### Implement Sustainable Development and Smart Growth Strategies

- Improve opportunities for less fossil fuel dependent transit
- Reduce vehicle miles traveled by encouraging use of existing and development of additional pathways connecting activity center
- Offset impact of increasing impervious surfaces
- Provide water Efficient Plant Palette for new development

#### Maximize Opportunities for Partnerships

- Tree Fresno
- Fresno Metropolitan Flood Control District (FMFCD)
- Clovis Botanical Garden
- Clovis Rodeo
- Clovis Unified School District (CUSD)
- Building Industry Association
- Clovis Community Foundation
- Fresno County Health Department
- Clovis Chamber of Commerce
- Fresno Irrigation District
- Climate Change Institute at Fresno State

### WHAT IS URBAN GREENING?

CLOVIS URBAN GREENING PLAN

COMMUNITY FEEDBACK

# GREENING GOALS AND STRATEGIES

## EDUCATE THE COMMUNITY AND BUSINESSES

Provide information about conservation and the multiple benefits of urban greening

Encourage healthy eating habits and experiences through support of agricultural education

Support environmental and agricultural education

Inform the public about 2010 Local Water Efficiency Ordinance

Inform the public about Tree Protection Standards in updated City Development Code

## DRAW PEOPLE OUTSIDE

Create new green space  
Develop pedestrian linkages and trails

Support provision of outdoor dining

Consider creating a City-wide landscape improvement district

Formalize joint use agreements with schools

## UTILIZE GREEN INFRASTRUCTURE

Offset the impact of impervious surfaces by pursuing "Green Streets" pilot projects

Increase and maintain the urban forest

Enhance overall beautification and neighborhood identity through plantings that are designed for minimal maintenance

Develop water-efficient guidelines and plant palette for new development

Encourage conservation and restoration of wildlife habitat

## PROMOTE ALTERNATIVE TRANSPORTATION

Reduce vehicle miles traveled and fossil fuel dependency

Increase connectivity to green space and other activity centers

Improve pedestrian access from residential neighborhoods to everyday goods and services

Provide safe and accessible streets with shading and buffers to encourage walking and biking

## GROW THE LOCAL ECONOMY

Protect agricultural operations

Increase property values

Increase activity in retail areas

## IMPLEMENT RECOMMENDATIONS FROM PREVIOUS PLANNING EFFORTS

Urban Forest Resources Analysis:  
2,512 available planting sites

Bicycle Transportation Master Plan:  
Increase utilitarian and recreational uses of bike system

Parks Master Plan:  
New open space opportunities

Draft General Plan:  
Continue to grow and sustain the values that make Clovis special; foster stewardship to conserve and enhance natural resources while contributing to a healthy community

## MAXIMIZE OPPORTUNITIES FOR PARTNERSHIPS ON GREENING EFFORTS

County of Fresno

City of Fresno

Clovis Unified School District

Clovis Community Foundation

Clovis Chamber of Commerce

Tree Fresno

Clovis Botanical Garden

UCCE Master Gardeners of Fresno County

Clovis Rodeo Association

Building Industry Association

Fresno Metropolitan Flood Control District

Fresno Irrigation District

Climate Change Institute at Fresno State

# COMMUNITY FEEDBACK

# GREENING GOALS AND STRATEGIES

**URBAN GREENING** considers the unique conditions of urban neighborhoods.

## WHAT IS THE CHARACTER OF OLD TOWN?

Inside the boundary, write any words that you think describe your neighborhood and any special qualities that make it unique.



**WHAT IS URBAN GREENING?**



# COMMUNITY FEEDBACK

# GREENING OPPORTUNITIES

## LANDSCAPE IMPROVEMENTS

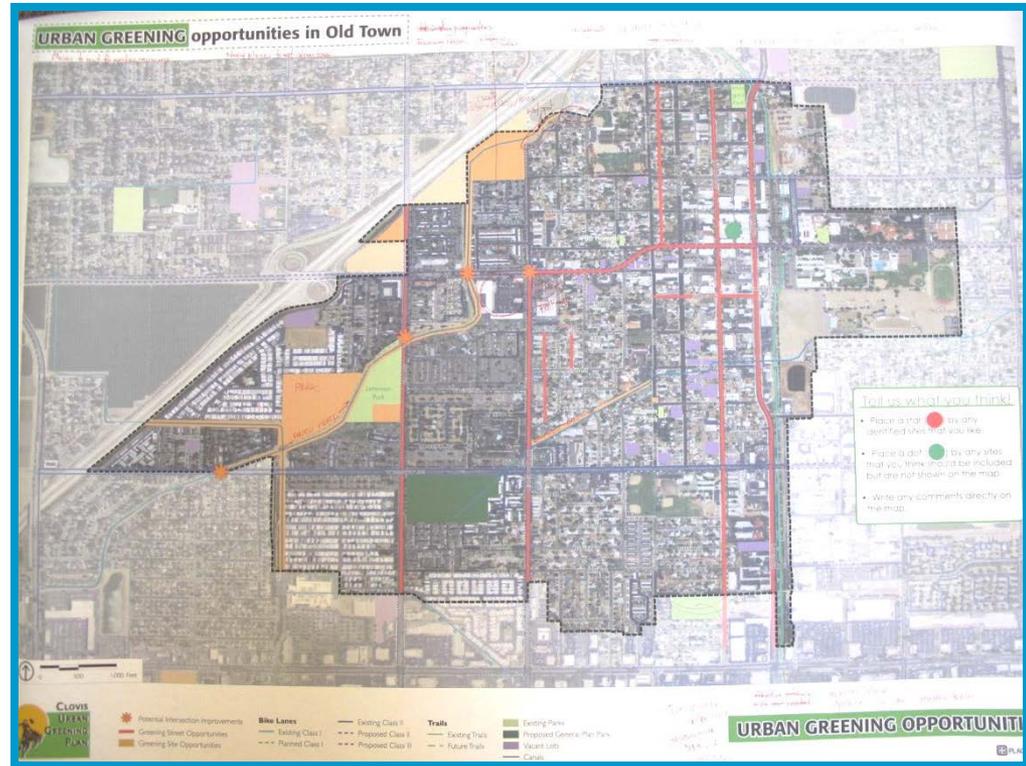
- Street tree replacements
- Landscape medians
- Citizen landscape committee

## RECREATION

- Gathering places

## STREETS AND TRAILS

- Safety crossing improvements
- Bicycle infrastructure

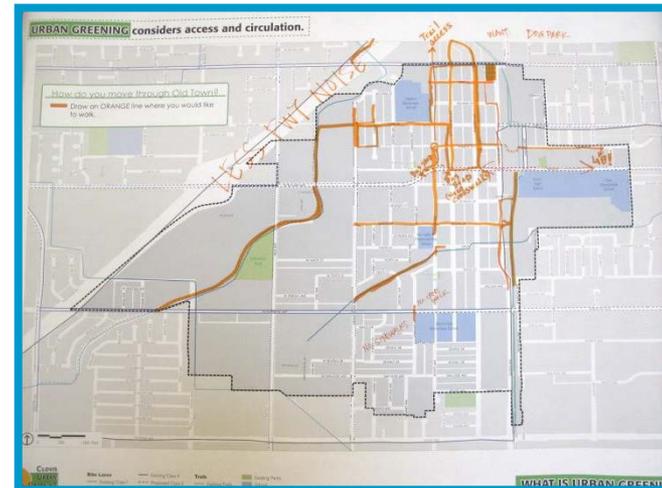


COMMUNITY FEEDBACK

# GREENING OPPORTUNITIES

## CIRCULATION AND ACCESS

- Pedestrian concerns on Bullard Ave.
- Dry Creek Trail intersection improvements
- Old Town Trail safety improvements
  - Lighting
  - Cleaning up underpasses
- Freeway buffer



# GREENING TOOLS



**URBAN GREENING** improves environmental conditions.

### Urban Greening Strategies

WHAT WOULD YOU LIKE TO SEE MORE OF IN CLOVIS?  
put a sticker in the box you like

<b>STREET TREES &amp; PLANTING</b>  VOTE HERE [Sticker box with 10 colored dots: 7 red, 2 blue, 1 green]	<b>PARKS AND OPEN SPACE</b>  VOTE HERE [Sticker box with 10 colored dots: 7 red, 2 blue, 1 green]
<b>WATER EFFICIENT PLANTING</b>  VOTE HERE [Sticker box with 10 colored dots: 7 red, 2 blue, 1 green]	<b>RAINGARDENS AND SWALES</b>  VOTE HERE [Sticker box with 10 colored dots: 7 red, 2 blue, 1 green]
<b>COMMUNITY GARDENS</b>  VOTE HERE [Sticker box with 10 colored dots: 7 red, 2 blue, 1 green]	<b>ALTERNATIVE TRANSPORTATION</b>  VOTE HERE [Sticker box with 10 colored dots: 7 red, 2 blue, 1 green]
<b>HABITAT RESTORATION</b>  VOTE HERE [Sticker box with 10 colored dots: 7 red, 2 blue, 1 green]	<b>OTHER</b> (PLEASE WRITE YOUR OWN STRATEGIES BELOW) DOG PARK 

CLOVIS URBAN GREENING PLAN

**URBAN GREENING OPPORTUNITIES**

PLACEWORKS

# COMMUNITY FEEDBACK



# GREENING TOOLS

## PLANT PALETTE

- Evaluate existing trees, shrubs, and other plantings
- Get feedback about resident preferences
- Propose new, appropriate species
  - Drought tolerant
  - Shade providing
  - Non-invasive

Scientific Name	Common Name	PLANTING & MAINTENANCE										COMMENTS	SUITABLE AREAS					
		Evergreen (E) or Deciduous (D)	Canopy Height (feet)	Canopy Width (feet)	Growth Rate: Fast (F), Moderate (M), Slow (S)	Allergen (Male/Female if applicable)	Spacing Between Trees	Water Needs	Irrigation Group	Soil Needs (if applicable); Well-drained (WD), Clay Tolerant (CT)	CA Native		Good for Use Under Utility Lines	Major Arterial Streets/Right-of-Ways/Paseos	Medians/Parking Lots	Clivic/Parks/Schools	Basin Parks/Swales/Stormwater	Neighborhood Streets
<i>Aesculus californica</i>	California buckeye	D	10-20	30	S-M	7	20	Mod	2		●	cream colored bloom; attractive branching; loses all its leaves in summer			●			NW
<i>Arbutus unedo</i>	strawberry tree	E	20	15	S-M	3 (sp)	20	Low	2	CT	●						●	LV
<i>Arbutus 'Marina'</i>	marina madrone	E	>30	>30	F	3 (sp)	25	Low	2	CT		attractive bark; use multi-trunk when possible; pink fall flowers					●	HR
<i>Casuarina cunninghamiana 'Fastigiata'</i>	river she-oak	E	20-35	20-35	F	10	20	Low/Mod	2	CT		conifer; best as a massing tree; oval-vase shape			●			OT
<i>Carpinus betulus</i>	European hornbeam	D	40	40	S-M	8 (sp)	35	Mod	1			drooping outer branches; mature trees need little or no pruning; long lived	●					
<i>Cedrus atlantica 'Aurea'</i>	atlas cedar	E	>60	30	S-M	2 (sp)	30	Low/Mod	2			conifer; yellowish needles; less spreading than other cedars			●			
<i>Cedrus atlantica 'Glauca'</i>	atlas cedar	E	>60	30	S-M	2 (sp)	30	Mod	2			conifer; silvery blue needles; less spreading than other cedars			●			
<i>Cedrus deodara</i>	Deodar cedar	E	80	40	F	5/1	30	Low/Mod	2			large accent tree			●			
<i>Celtis sinensis</i>	Chinese hackberry	D	35	30	M-F	8	30	Mod	1			not suitable as a street tree			●			
<i>Cercidium 'Desert Museum'</i>	Desert Museum palo verde	D	20	20	F	5 (sp)	15	Low	2		●	colorful bark; light green stems; large yellow blooms in spring; thornless; good for paseos	●	●	●	●	●	HR, LV
<i>Cercidium microphyllum</i>	little leaf palo verde/ foothills palo verde	D	20	20	S	5 (sp)	15	Low	2		●	colorful yellowish-green bark; pale yellow spring blooms; has thorns	●	●		●	●	HR, LV
<i>Cercis canadensis texensis 'Oklahoma'</i>	Texas redbud	D	25-35	25-35	F	5 (sp)	20	Mod	1		●	wine red winter bloom; glossy, heat resistant leaves; short lived	●	●			●	LV
<i>Cercis mexicana</i>	Mexican redbud	D	15	15	M	5 (sp)	20	Mod	2		●	blue-green leaves; pinkish purple bloom; short lived					●	LV

## POLICY REVIEW

- Landscape maintenance recommendations
- Low water use incentives and mandates
- New landscape districts
- Street tree planting prior to development



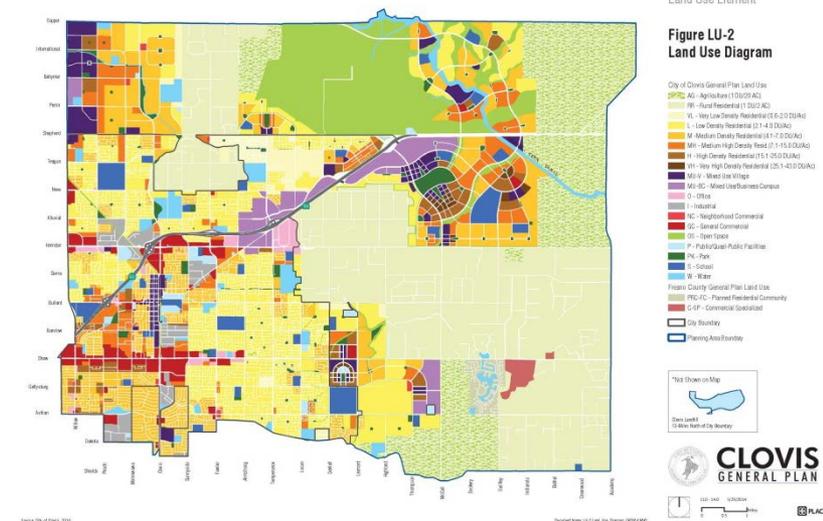
# GREENING TOOLS

## CIRCULATION ELEMENT:

- Goal 3: A **MULTIMODAL** transportation network that is safe and comfortable in the context of adjacent neighborhoods.
- Goal 4: A **BICYCLE AND TRANSIT SYSTEM** that serves as a functional **ALTERNATIVE TO COMMUTING BY CAR**.
- Goal 5: A complete system of **TRAILS AND PATHWAYS** accessible to all residents.
  - Policy 5.1 **COMPLETE STREET AMENITIES**. Upgrade existing streets and design new streets to include **COMPLETE STREET AMENITIES**, prioritizing improvements to bicycle and pedestrian connectivity or safety, consistent with the Bicycle Transportation Master Plan and other master plans.

## OPEN SPACE AND CONSERVATION ELEMENT:

- Goal 2: **NATURAL, AGRICULTURAL, AND HISTORIC RESOURCES** that are preserved and promoted as key features for civic pride and identity.
- Goal 3: A built environment that conserves and protects the use and **QUALITY OF WATER AND ENERGY RESOURCES**.



# GREEN VISION

## ■ Intensify urban forest

- Replace historic trees and maintain shade
- Utilize appropriate trees in commercial areas
- Increase impervious surfaces

## ■ Pedestrian friendly heart

- Improve pedestrian, bike, and alternative transit access to downtown
- Create new amenities for gathering in downtown

## ■ Maintain the “Old Town” feel

- Build on the existing character
- Improve response to maintenance requests



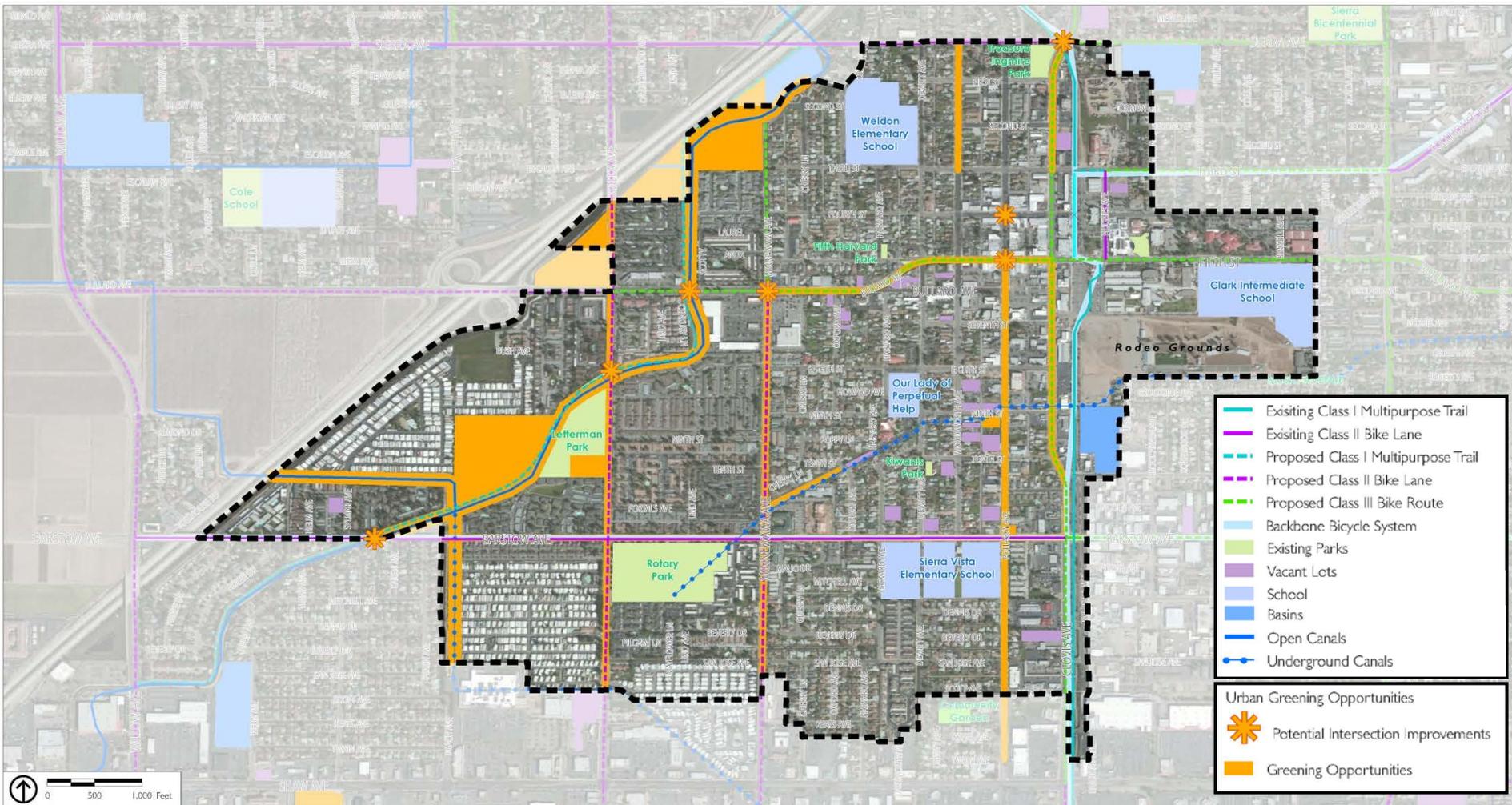
Specific to HELM RANCH

## TONIGHT'S GOALS

- **PRIORITIZE** greening opportunities
- **DEVELOP** conceptual design layout
- **CREATE** 20-year green vision



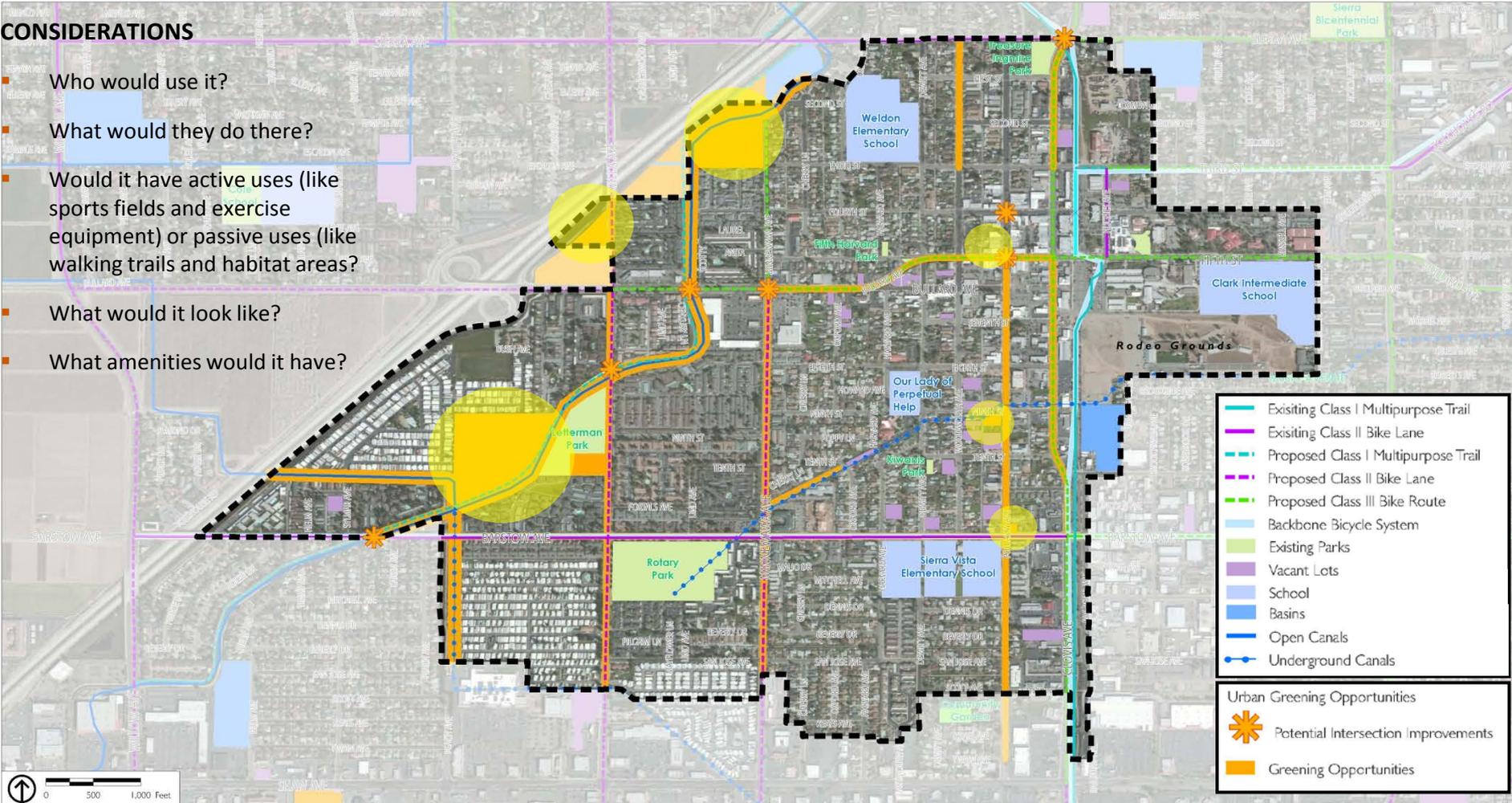
# PRIORITIZE GREENING OPPORTUNITIES



# PRIORITIZE GREENING OPPORTUNITIES

## CONSIDERATIONS

- Who would use it?
- What would they do there?
- Would it have active uses (like sports fields and exercise equipment) or passive uses (like walking trails and habitat areas)?
- What would it look like?
- What amenities would it have?

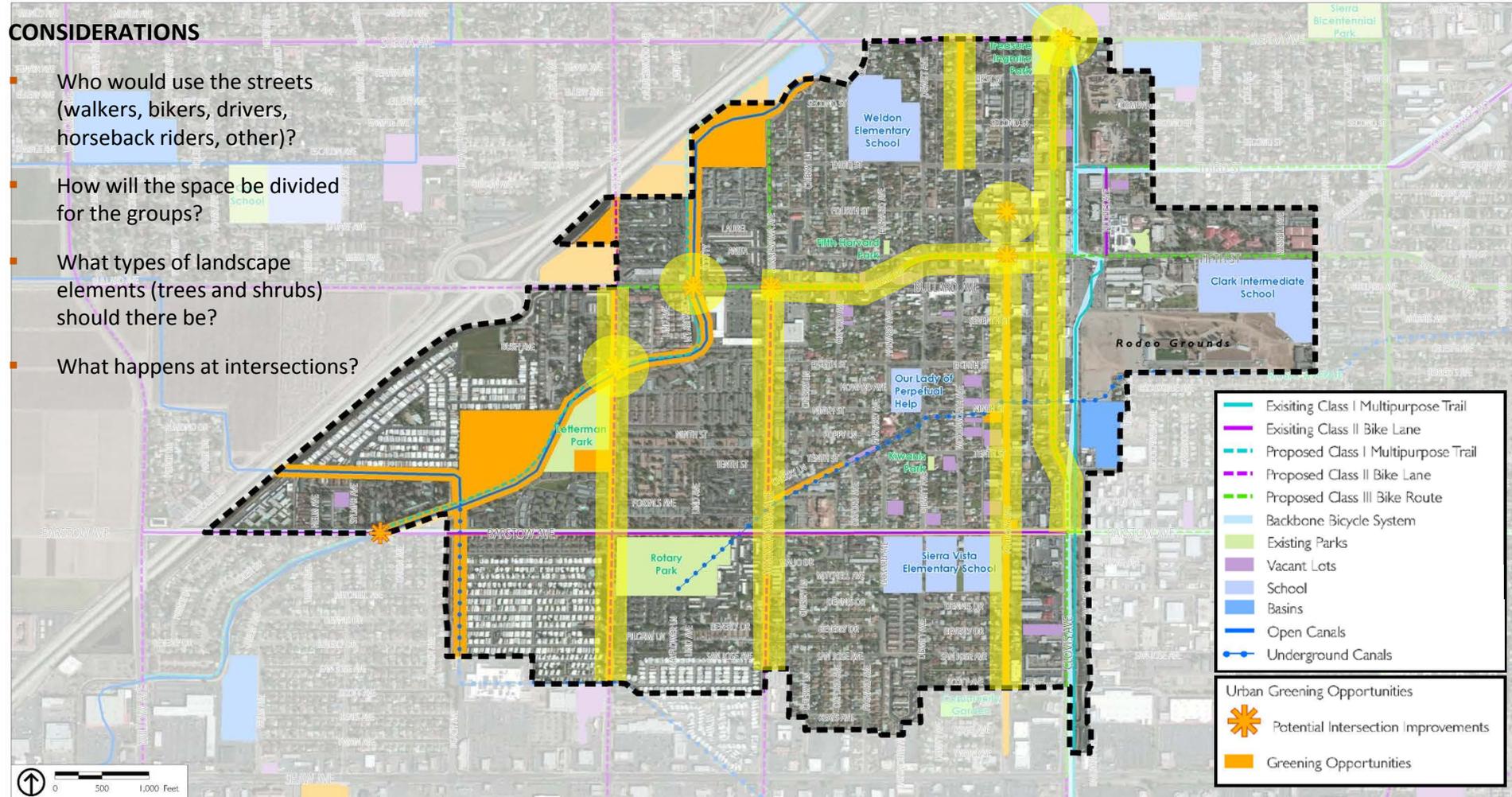


## PARKS

# PRIORITIZE GREENING OPPORTUNITIES

## CONSIDERATIONS

- Who would use the streets (walkers, bikers, drivers, horseback riders, other)?
- How will the space be divided for the groups?
- What types of landscape elements (trees and shrubs) should there be?
- What happens at intersections?



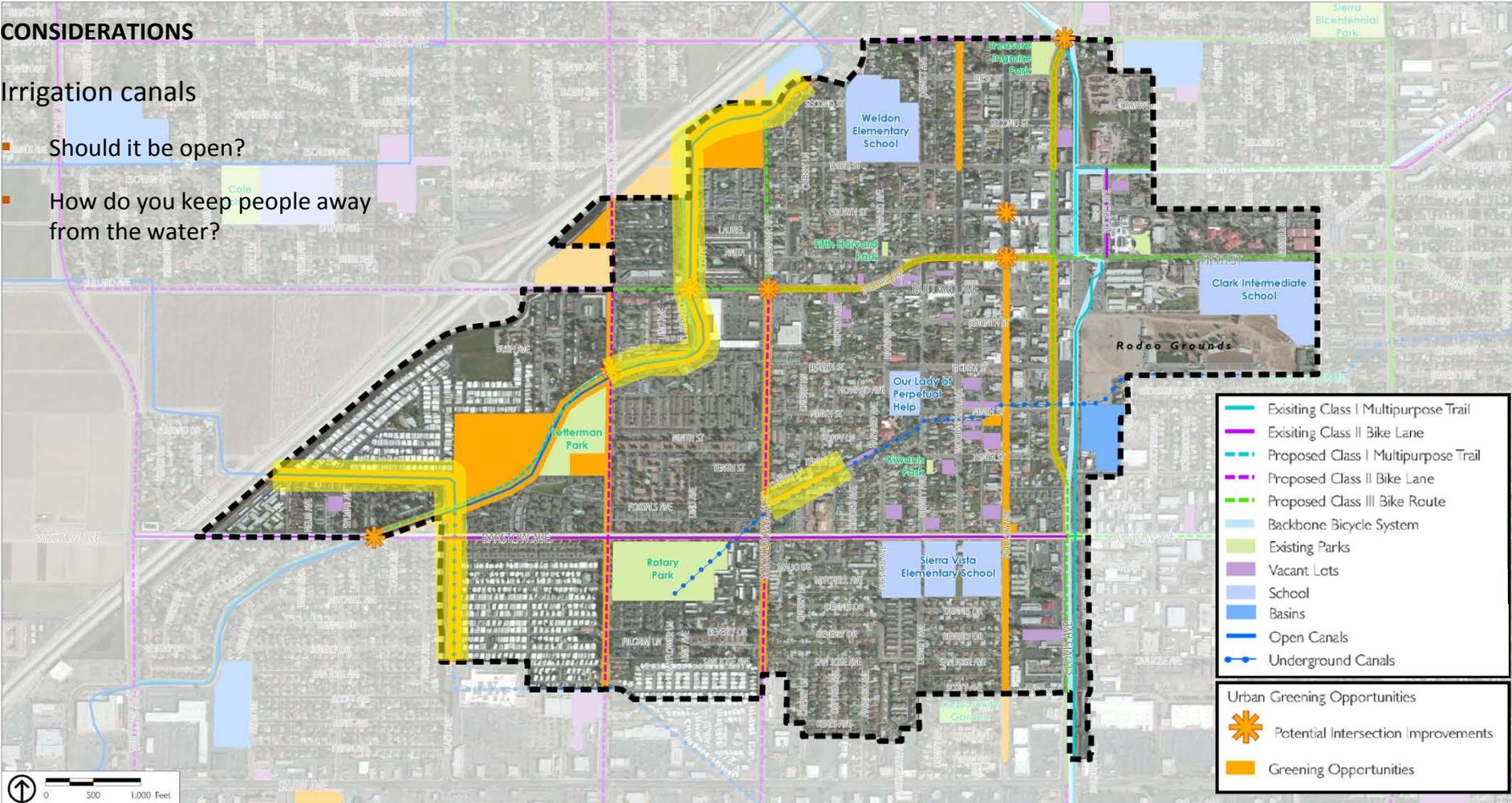
## STREETS

# PRIORITIZE GREENING OPPORTUNITIES

## CONSIDERATIONS

### Irrigation canals

- Should it be open?
- How do you keep people away from the water?



	Existing Class I Multipurpose Trail
	Existing Class II Bike Lane
	Proposed Class I Multipurpose Trail
	Proposed Class II Bike Lane
	Proposed Class III Bike Route
	Backbone Bicycle System
	Existing Parks
	Vacant Lots
	School
	Basins
	Open Canals
	Underground Canals

	Urban Greening Opportunities
	Potential Intersection Improvements
	Greening Opportunities

# PRIORITIZE GREENING OPPORTUNITIES

## ■ PRIORITIES

- Which projects are the most valuable?

## ■ PHASING

- Which projects do you want to see first?



# DEVELOP CONCEPTUAL SITE DESIGN

PARK



STREET



TRAIL

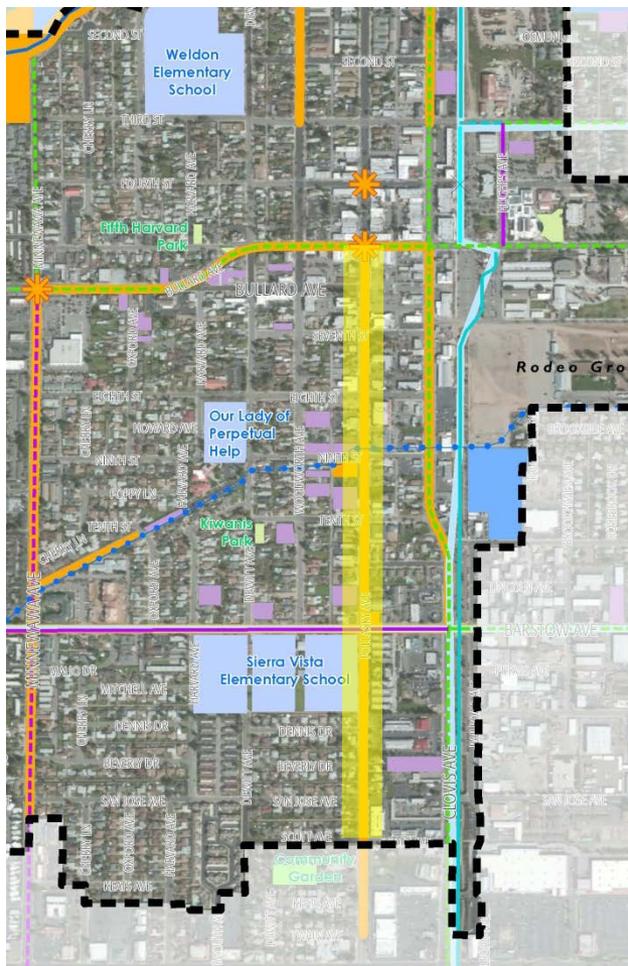


# DEVELOP CONCEPTUAL SITE DESIGN

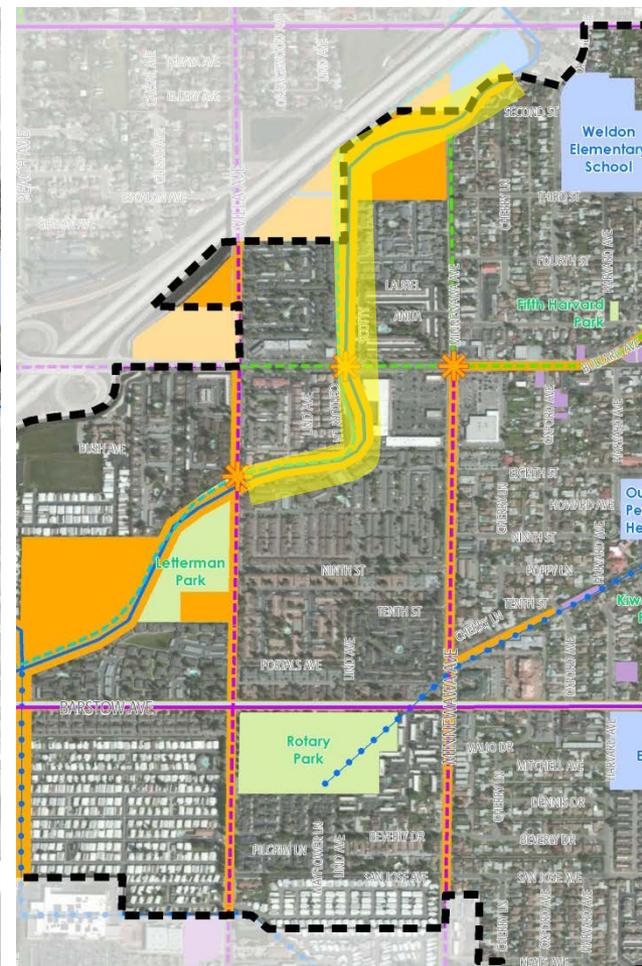
## PARK

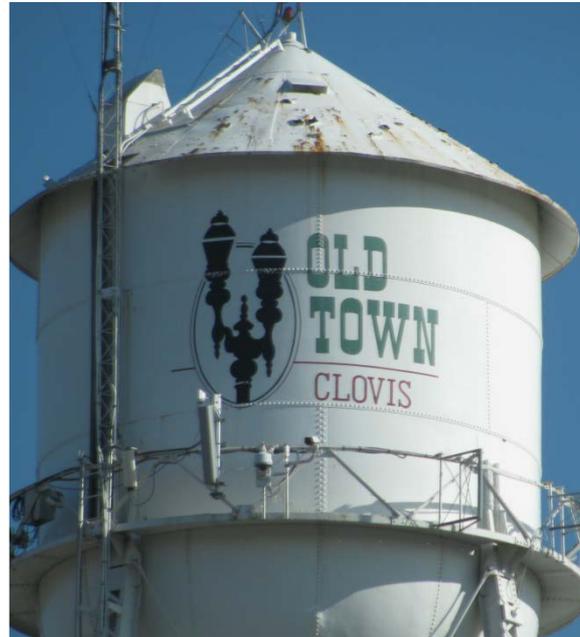


## STREET



## TRAIL





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