



Clovis Urban Greening Plan

Community Workshop #2 – Loma Vista

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?

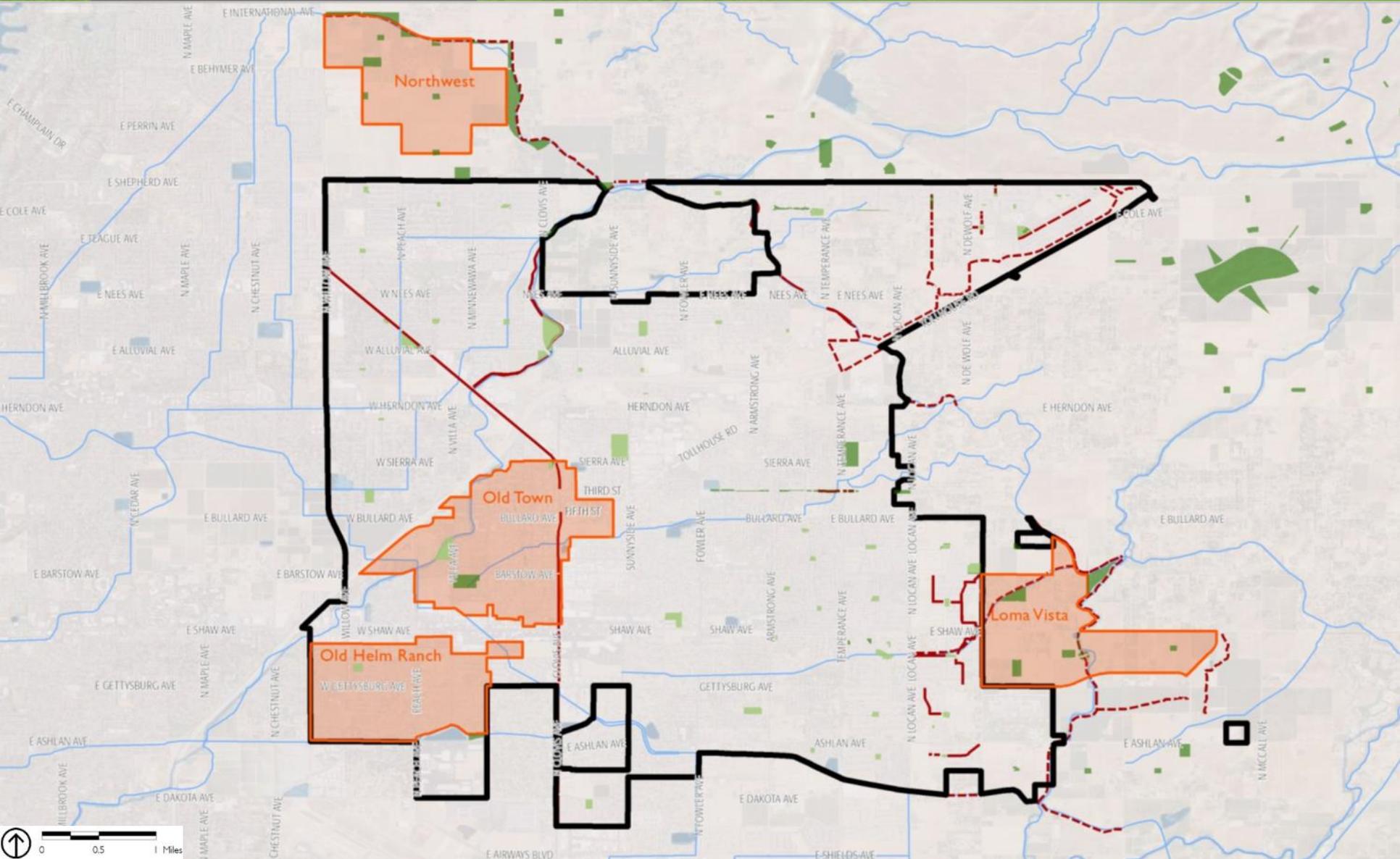
Stormwater Management



Water Conservation



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

BACK SOME OF LOCALS AS A FEEL? WE'VE LISTENED THE PUBLIC COMMENTS

CLAVIS URBAN GREENING PLAN

INCREASE PUBLIC HEALTH, COMMUNITY AMENITIES AND QUALITY OF LIFE

Create new green space
Increase access to existing green space
Draw residents outdoors with pedestrian-friendly streets 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 planting
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 (grading to permeability to reduce stormwater flow to pipes and canals) would be a positive; identify opportunities for:
"Green Streets" pilot project, install permeable covers, 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 use 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 businesses on greening efforts

WHAT IS URBAN GREENING?



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

CLAVIS URBAN GREENING PLAN

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 corridors 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 Friends
Fresno Metropolitan Flood Control District (FMFCO)
Clavis Botanical Garden
Clavis Rodeo
Clavis Unified School District (CUSD)
Building Industry Association
Clavis Community Foundation
Fresno County Health Department
Clavis Chamber of Commerce
Fresno Irrigation District
Climate Change Institute at Fresno State

WHAT IS URBAN GREENING?

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 OPPORTUNITIES

NEW PARK SPACES

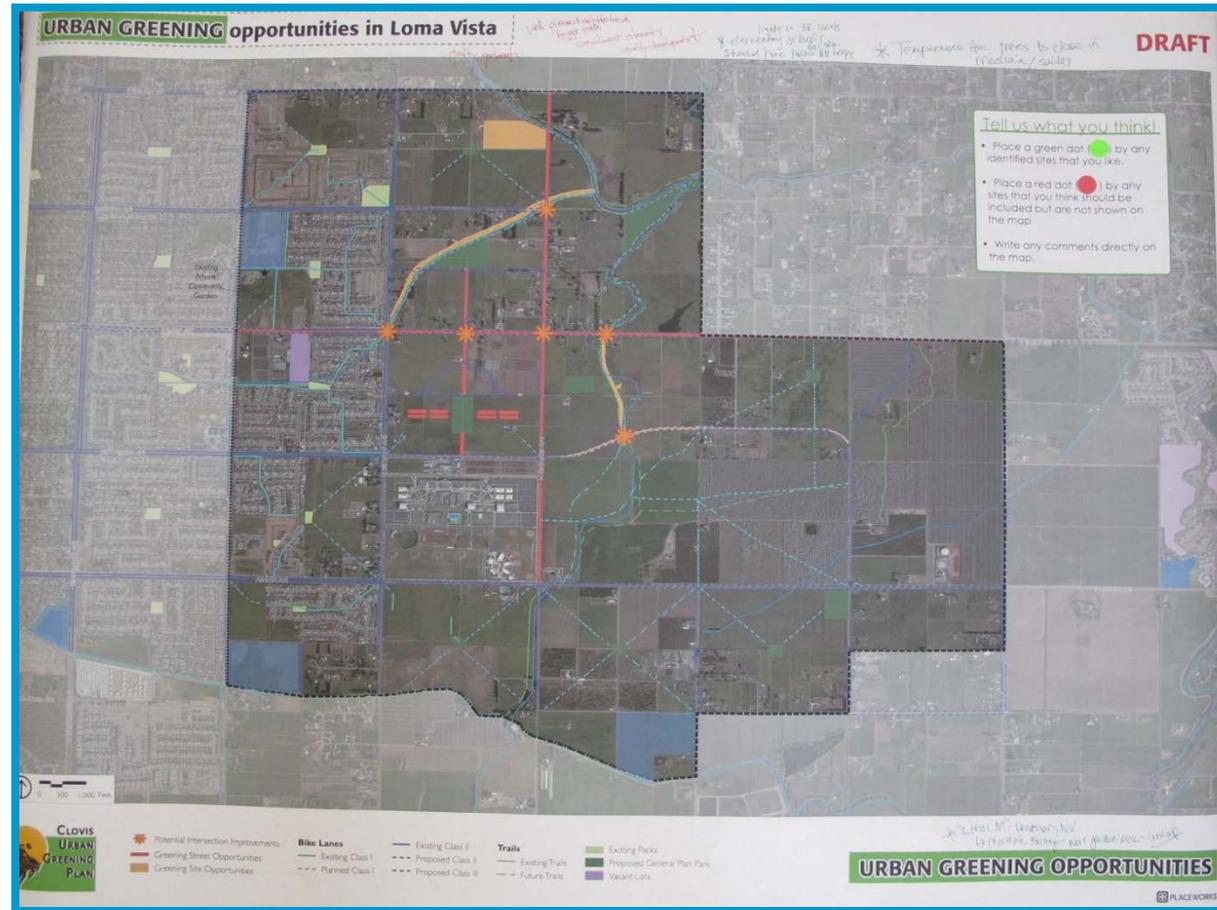
- regional assets
- nature parks

STREETS

- bike routes
- street trees
- safety improvements

IRRIGATION CANALS

- trail access
- safety components



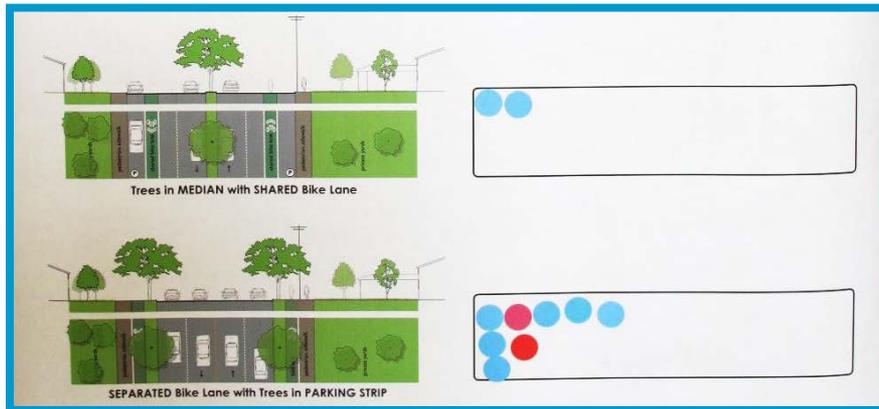
GREENING OPPORTUNITIES

CIRCULATION

- Significant public support for existing paseos
- New trails/paseos along irrigation canals

ACCESS

- Trail markers to find paseos and direct users across intersections
- Improve sidewalks along large streets (Ashlan, Shaw, Barstow)

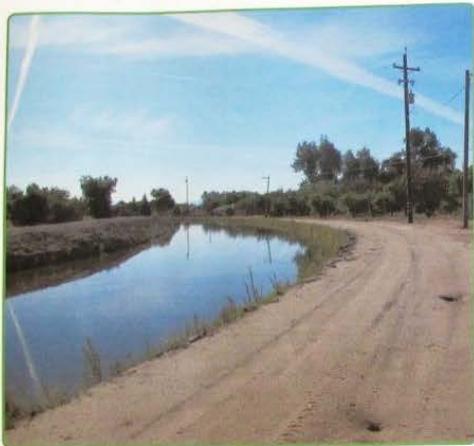


COMMUNITY FEEDBACK

GREENING OPPORTUNITIES

URBAN GREENING considers access and circulation.

TRAIL PALETTE - ACCESS PREFERENCE



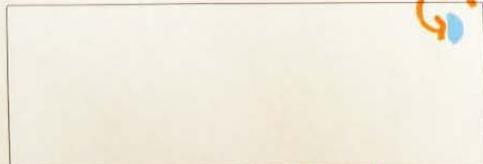
OPEN, NATURALISTIC



ENCLOSED, FORMAL, PAVED



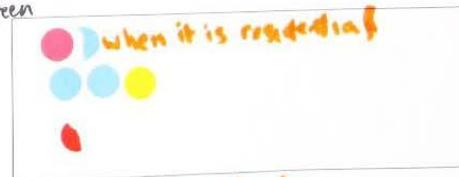
SEMI-ENCLOSED, PAVED, MEANDERING



open air experience



better for quick trips like paved like green



good for long trips/experiences

doesn't have any character

different plants drought tolerant

WHAT IS URBAN GREENING?

PLACEWORKS

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

STREET TREES & PLANTING	PARKS AND OPEN SPACE
 VOTE HERE	 VOTE HERE

Handwritten notes on the form:
- Rain Gardens and Swales: "lawns turning brown", "good mix of size but would be nice to see more", "See more", "OK"
- Alternative Transportation: "x continue momentum for alt. trans (bike lanes)"
- Other: "WORK WITH BIKING BUDDIES"

URBAN GREENING OPPORTUNITIES

CLOVIS URBAN GREENING PLAN

PLACEWORK

COMMUNITY FEEDBACK

GREENING TOOLS

URBAN GREENING increases trees and plants.

PLANT PALETTE - VISUAL PREFERENCE



A MIX OF DIFFERENT TREES



OR



GROUPINGS OR STREETS WITH THE SAME TREE



SMALL SIZE



OR



LARGE SIZE



CLOVIS
URBAN
GREENING
PLAN

TOO RIGID (like Irvine!) ↑

waste of installing lots of turf in parks only to let them turn brown

pruning/maintenance a problem w/ lg trees

WHAT IS URBAN GREENING?

PLACEWORKS

PLANT PREFERENCE

URBAN GREENING increases trees and plants.

PLANT PALETTE

	evergreen			deciduous					
	conifer	broadleaf	palm	multi-stem	columnar	branching	SHAPE		
	dark green	light green	FALL COLORS			yellow	orange	red	COLOR
	edible fruit	small flowers	large flowers					FLOWERS	
TREES									



CLOVIS
URBAN
GREENING
PLAN

WHAT IS URBAN GREENING?

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	Neighborhood Identity (HR, NW, LV, OT)
<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

What policies could look like:



today

PLANNING ANALYSIS

GREENING TOOLS

What policies could look like:



5 years

PLANNING ANALYSIS

GREENING TOOLS

What policies could look like:



20 years

PLANNING ANALYSIS

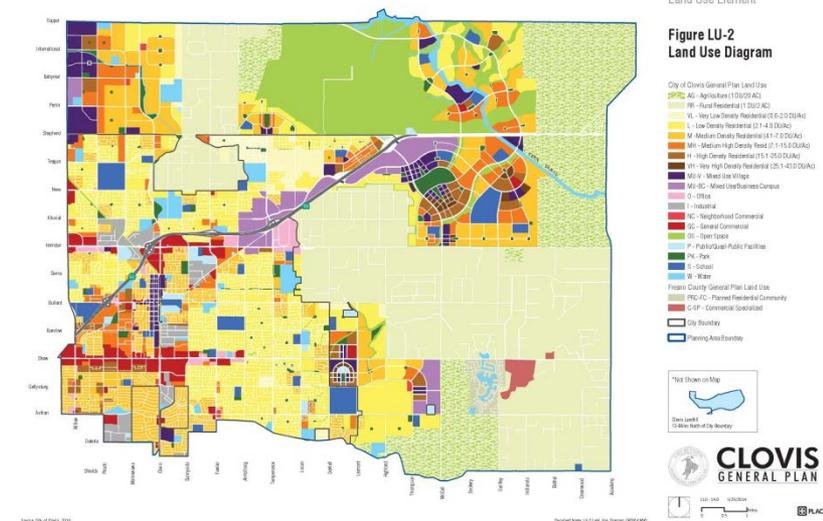
GREENING TOOLS

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

- **Consistency in “brand” and place**
 - Maintain sense of place in Loma Vista
 - Utilize the oak as a symbol and planting element
- **Create the perfect paseo**
 - Distinctive characteristic of Loma Vista
 - What is the preferred style?
 - How to develop wayfinding and signage?
- **Improved water efficiency**
 - Modified planting to reduce summer water



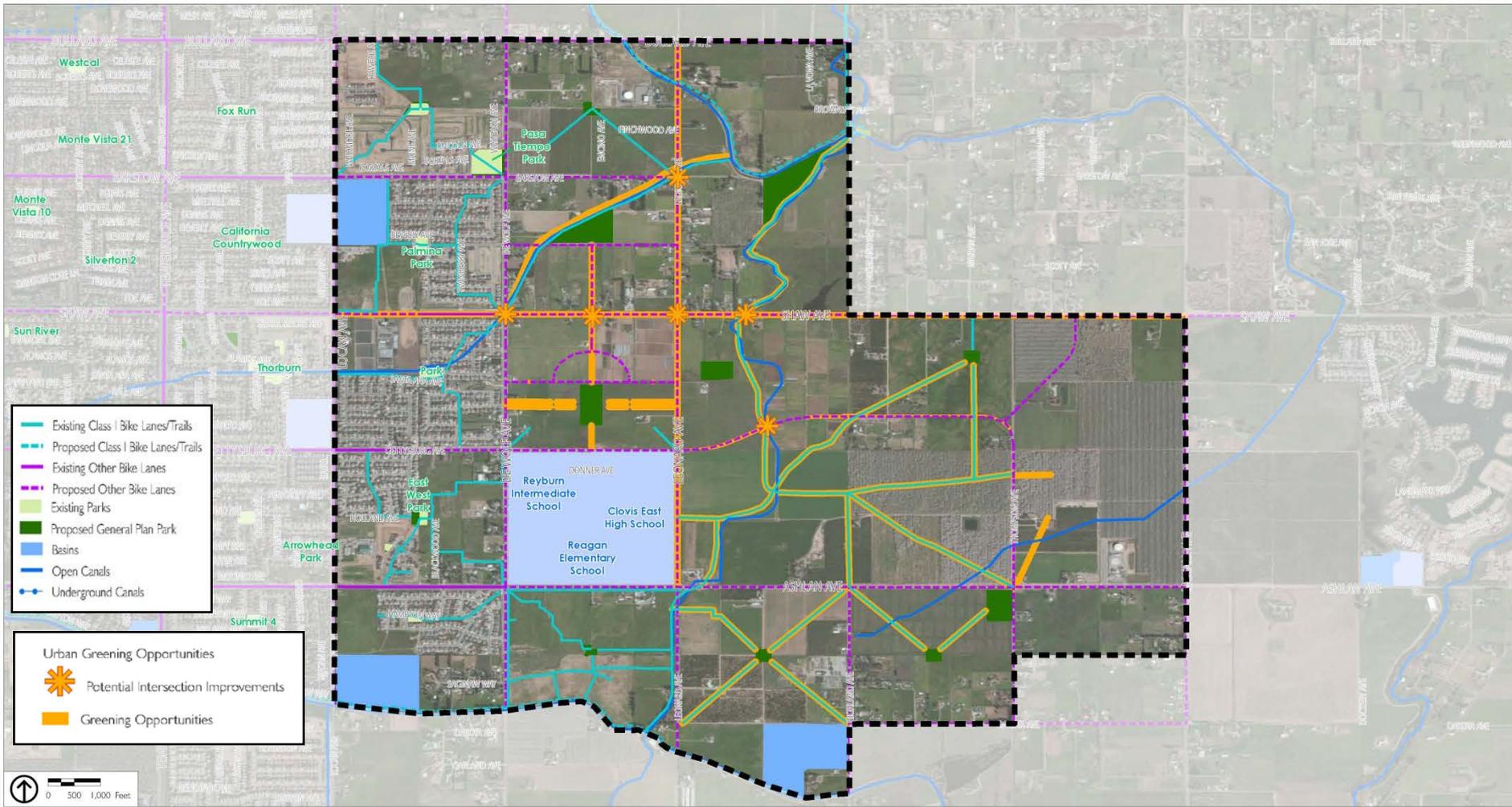
Specific to LOMA VISTA

TONIGHT'S GOALS

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



PRIORITIZE GREENING OPPORTUNITIES

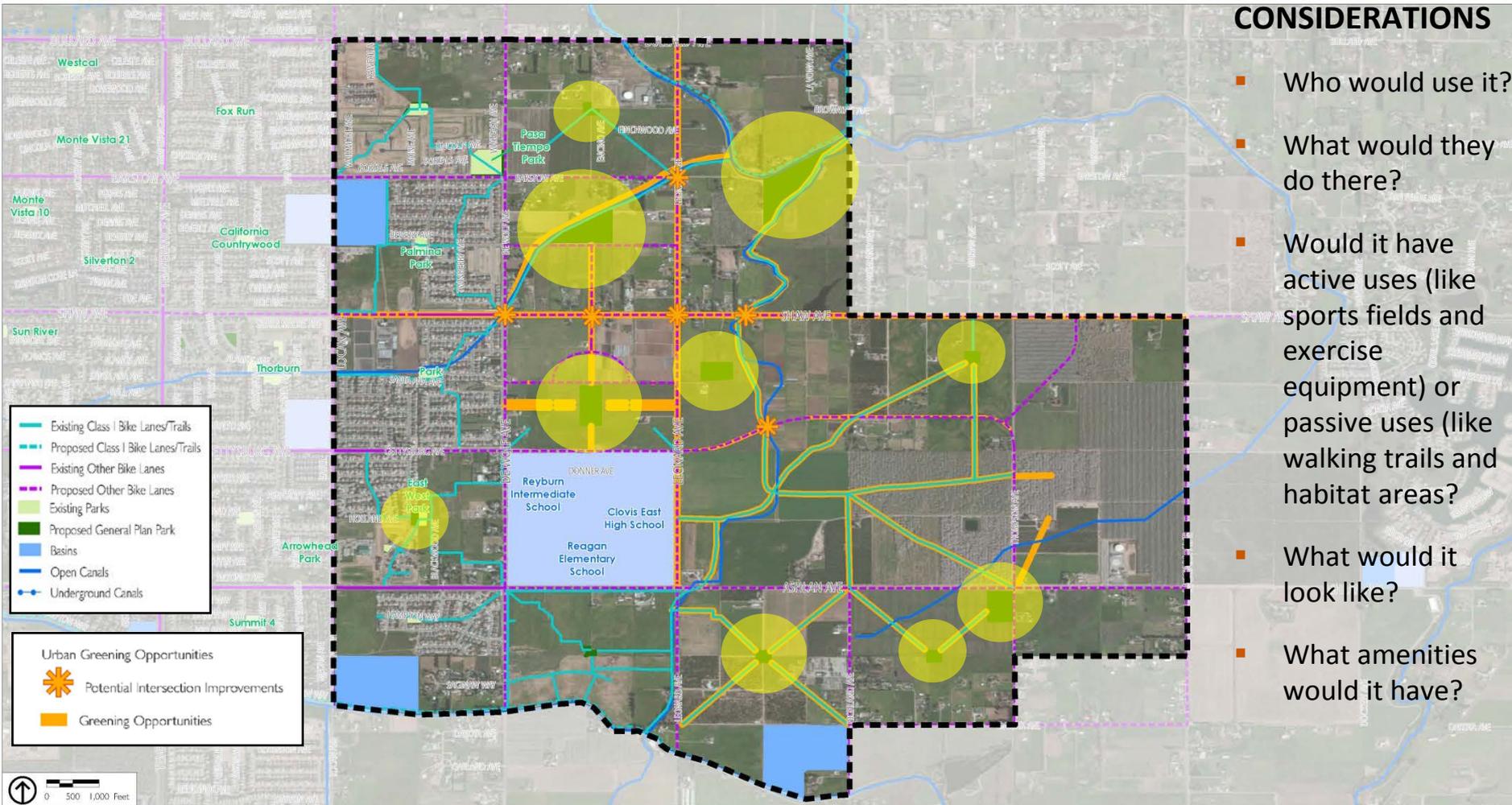


Source: City of Clovis, 2013; Fresno County, 2013; PlaceWorks, 2014.

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?



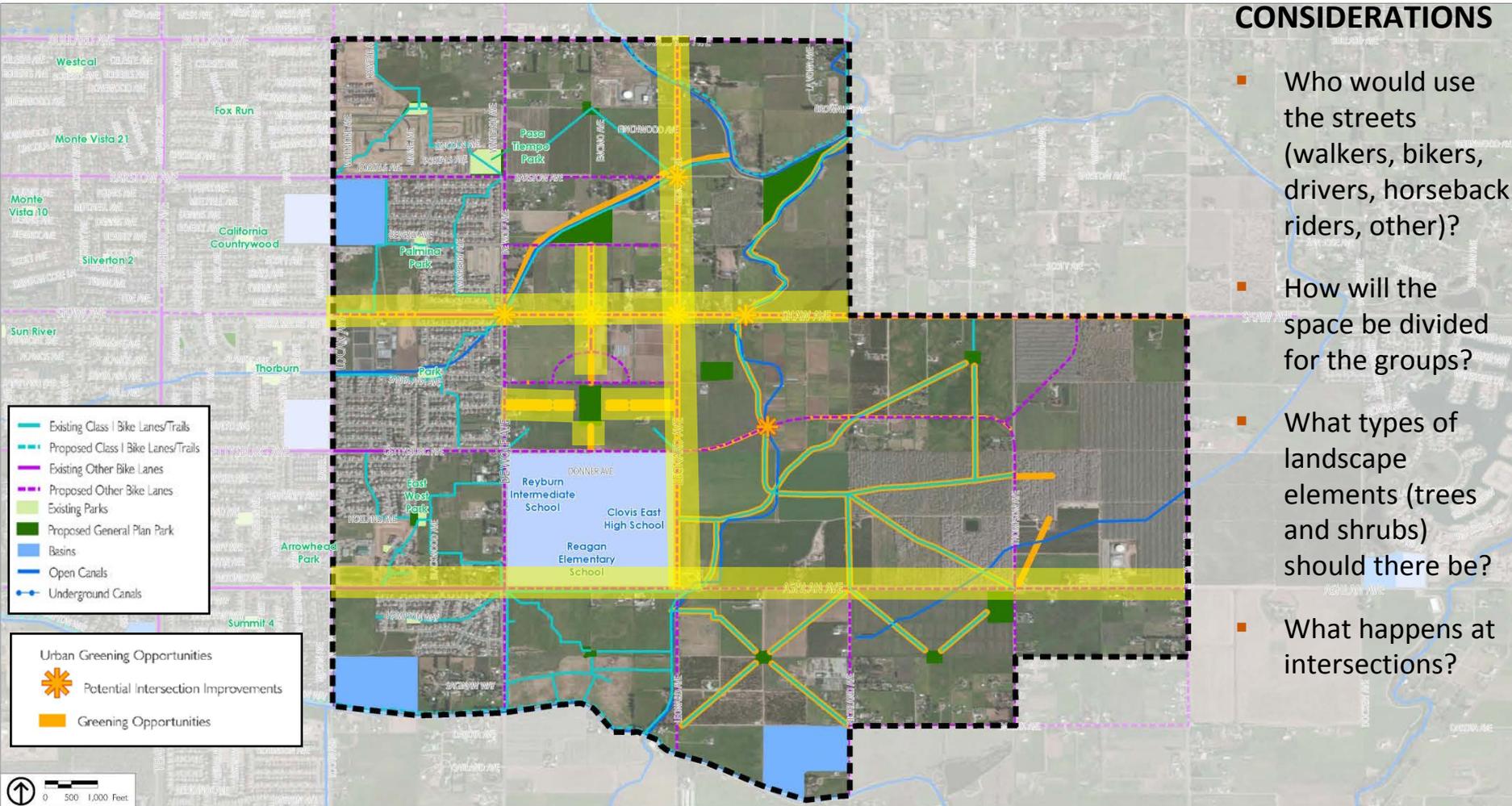
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PARKS

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?

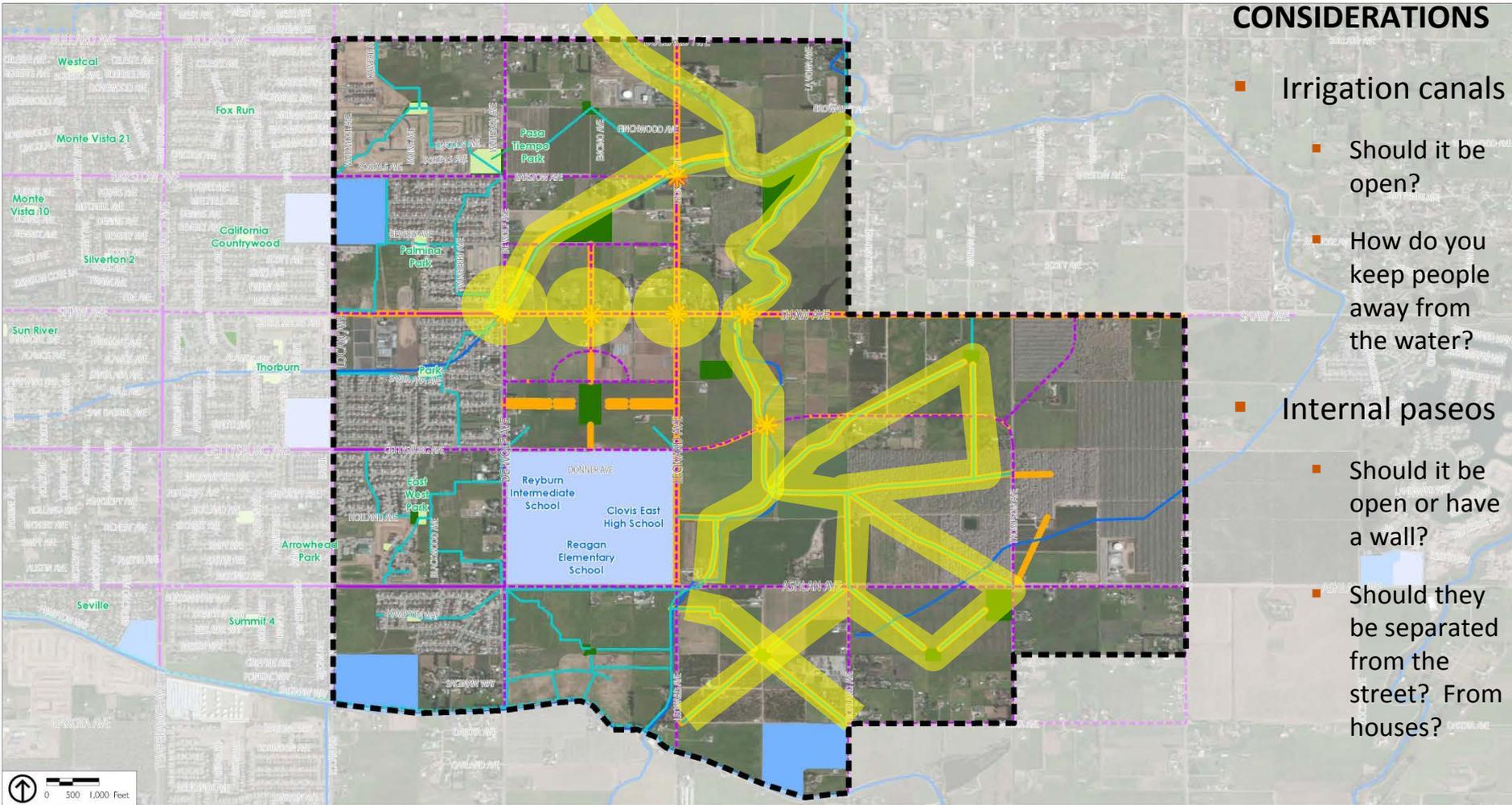


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PRIORITIZE GREENING OPPORTUNITIES

CONSIDERATIONS

- Irrigation canals
 - Should it be open?
 - How do you keep people away from the water?
- Internal paseos
 - Should it be open or have a wall?
 - Should they be separated from the street? From houses?



Source: City of Clovis, 2013; Fresno County, 2013; PlaceWorks, 2014.

TRAILS

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

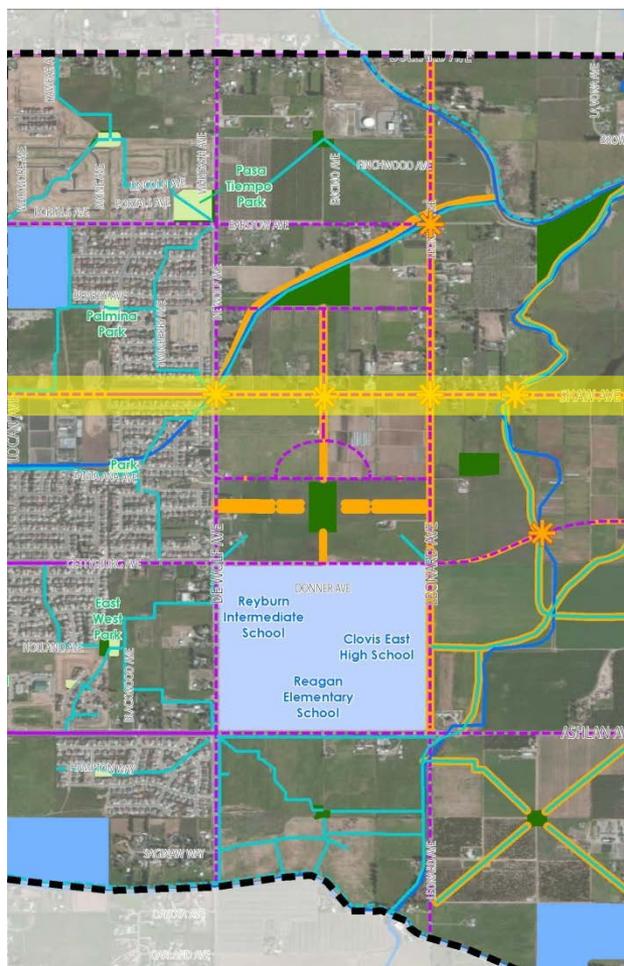


DEVELOP CONCEPTUAL SITE DESIGN

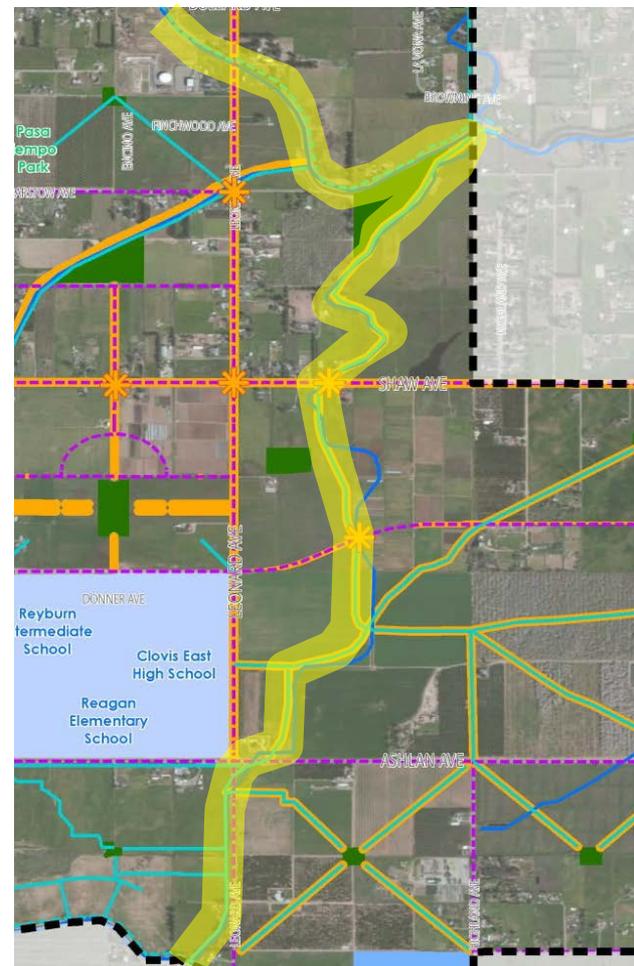
PARK



STREET



TRAIL



CREATE A 20-YEAR VISION

- What are the guiding principles for the next 20 years?





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