



Clovis Urban Greening Plan

Community Workshop #2 – Northwest

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

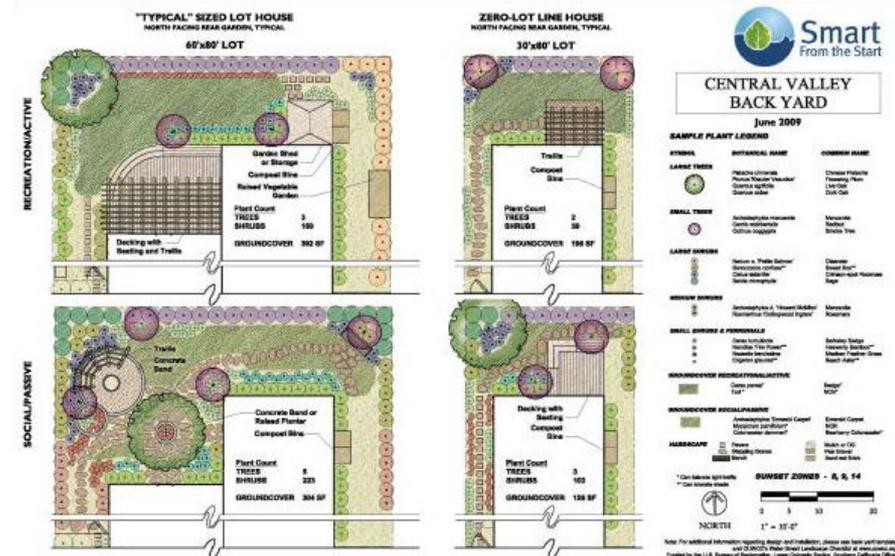


WHAT IS AN URBAN GREENING PLAN?

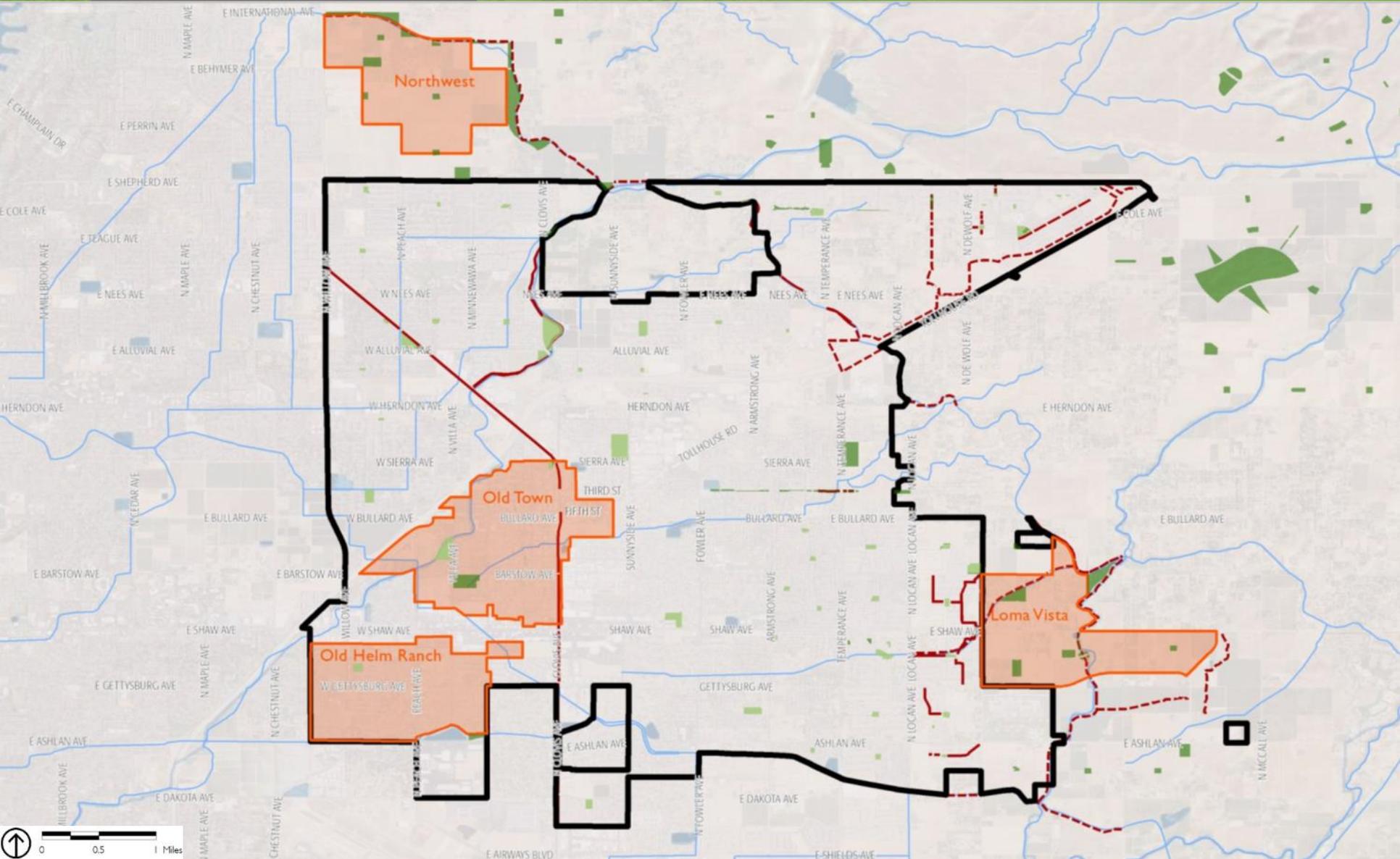
Improved pedestrian and non-vehicular access



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

WATER

AIR
QUALITY

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 planting
- ✓ Increase access to affordable, fresh food **PER FARMS!**
- ✓ 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: **SEE FLOOD CONTROL... EXPAND DESIGN IDEAS!**)
- ✓ "Green Streets" pilot projects install permeable pavers, remove asphalt/concrete and provide 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 paseos

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 businesses on greening efforts
- ✓ **CLAVIS HILL COMMUNITY CENTER IS AN EXCELLENT PLACE TO IMPLEMENT TRAILS TO LINK COMMUNITY TO NEAR COMMUNITY - PUBLIC STAIRS - FORMAL SOFTBALL**

ALREADY HAPPENING PART OF PARK DEVELOPMENT. BASIC DESIGN. CITY ST. SECTIONS (PARALLEL) 1/4 MI. FROM ST. TO WALK. COMMUNITY GARDENS YES. MANAGED BY EN COURAGE LOCAL DEVELOPERS TO IMPLEMENT. PARK CARED ITS FEE REDUCING

EXPENSIVE V PREVIOUS PAVING \$\$\$ SOILS NOT COMPASSIVE

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

IMPROVE PEDESTRIAN EXPERIENCE

- ✓ Safe, accessible, and comfortable 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 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?

DOPEY

CHANGE IN TRAIL TO WALK TO PARK

GOOD

Active Sports

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

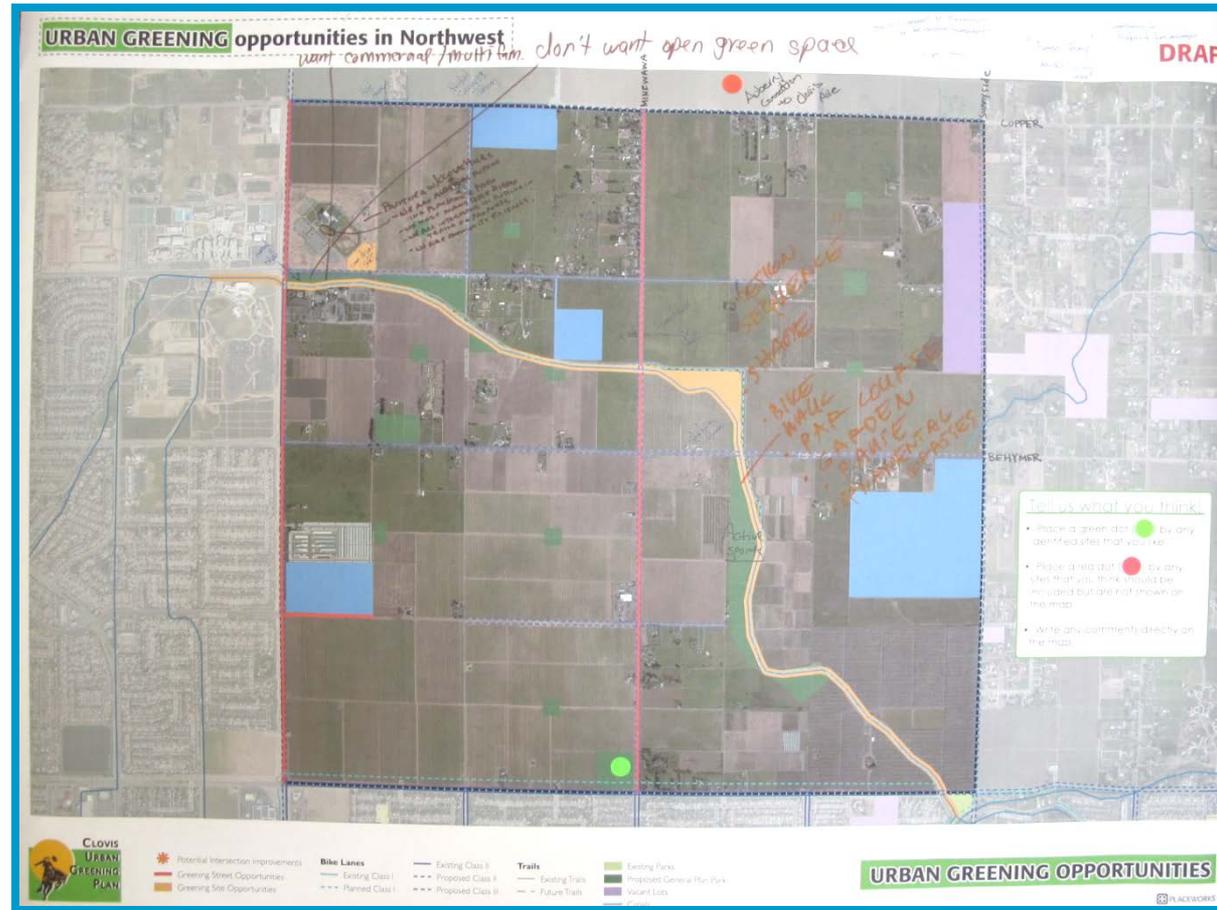
- regional assets
- nature parks

STREETS

- bike routes
- street trees
- safety improvements

IRRIGATION CANALS

- trail access
- safety components



COMMUNITY FEEDBACK

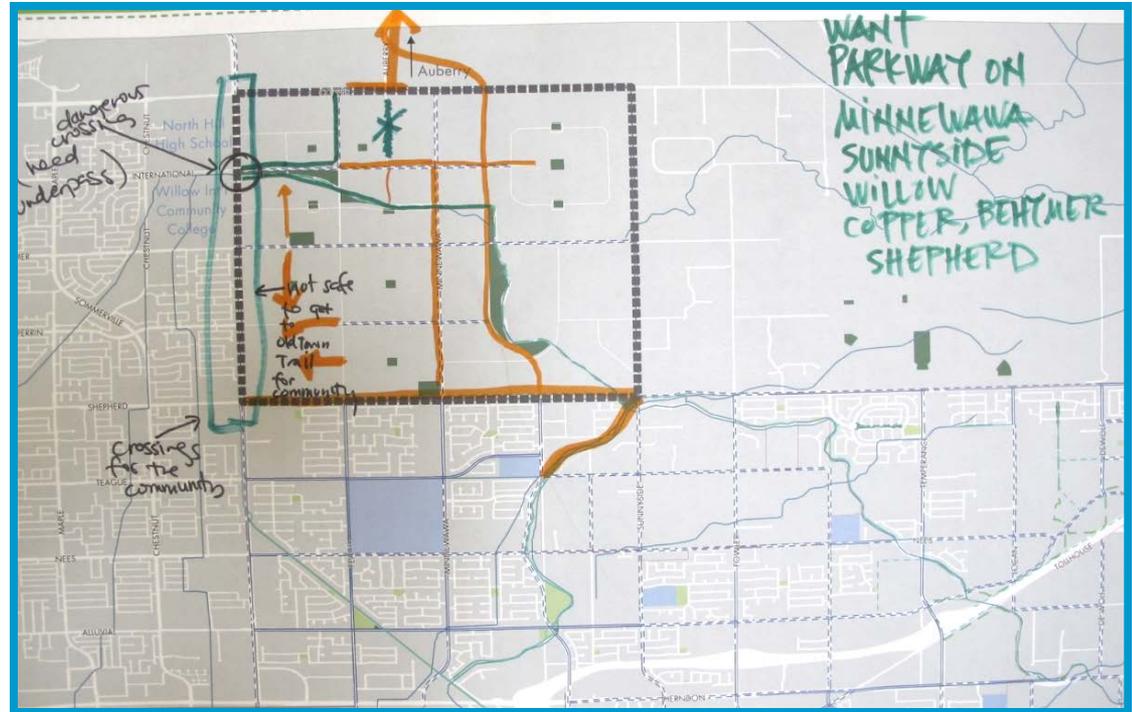
GREENING OPPORTUNITIES

CIRCULATION

- Bicycle connection between staging area on Shepherd Avenue and Auberry Road
- Pedestrian passages to new commercial space in southwest corner

ACCESS

- Safer crossings to pedestrian pathway along Willow Avenue



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 VOTE HERE: 3 stickers	PARKS AND OPEN SPACE VOTE HERE: 5 stickers
WATER EFFICIENT PLANTING VOTE HERE: 4 stickers	RAINGARDENS AND SWALES VOTE HERE: 1 sticker
COMMUNITY GARDENS VOTE HERE: 3 stickers	ALTERNATIVE TRANSPORTATION VOTE HERE: 1 sticker
HABITAT RESTORATION VOTE HERE: 1 sticker	OTHER (PLEASE WRITE YOUR OWN STRATEGIES BELOW) Outdoor Activities

CLOVIS URBAN GREENING PLAN

URBAN GREENING OPPORTUNITIES

PLACEMAKERS

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:



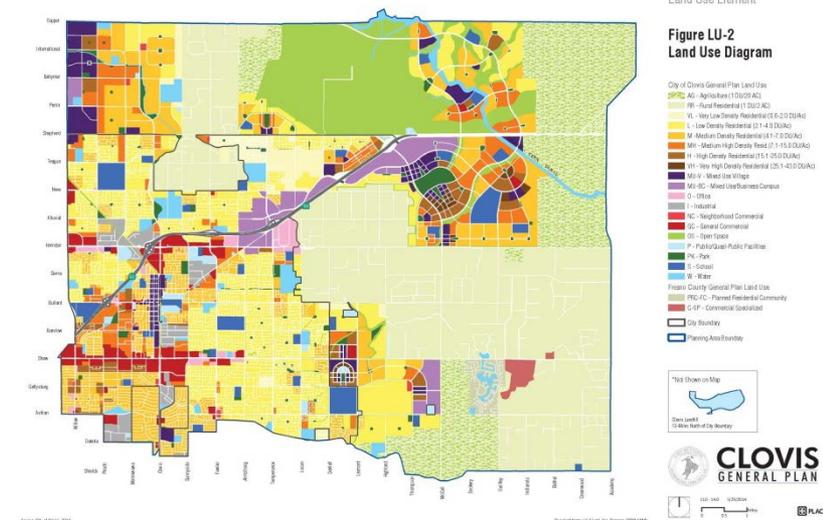
20 years

PLANNING ANALYSIS

GREENING TOOLS

“The **GENERAL PLAN** provides fairly specific land use planning for the **NORTHWEST URBAN CENTER**, with policies that require a comprehensive design document to provide additional development and land use guidance. The General Plan also envisions that the comprehensive design document for the Northwest Urban Center will:

- Use **SAN JOAQUIN VALLEY-APPROPRIATE PLANTINGS**
- Capitalize on **VIEWS OF OWENS MOUNTAIN AND THE SIERRA NEVADA**
- Achieve **COMPACT DEVELOPMENT PATTERNS** that integrate a variety of housing types, sizes, and densities at the neighborhood and community level
- **ELIMINATE** as feasible the use of **SOUND WALLS** separating neighborhoods from roads
- Develop a **WELL-CONNECTED GRID SYSTEM** of roads
- **PROHIBIT RETAIL LAND USES** within a **QUARTER MILE** of any **CLOVIS UNIFIED SCHOOL DISTRICT CAMPUS.**”



GREEN VISION

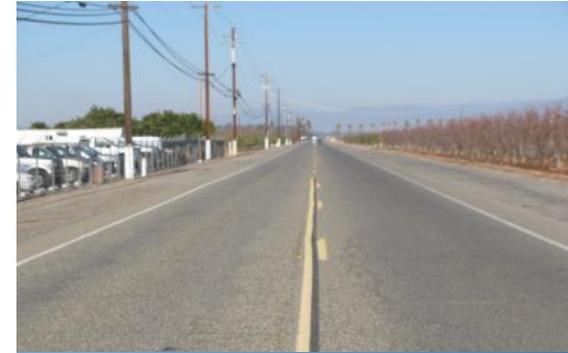
- **“Foothills meet the Orchard”**
 - Using plants native to the Sierra Nevada and agricultural accents
 - Maintaining open viewsheds to mountains and surrounding agricultural valley
- **International cycling destination**
 - Developing high quality bike routes and destinations
- **Academic center**
 - Creating shaded corridors with deciduous street trees
 - Building effective pedestrian and non-vehicular infrastructure



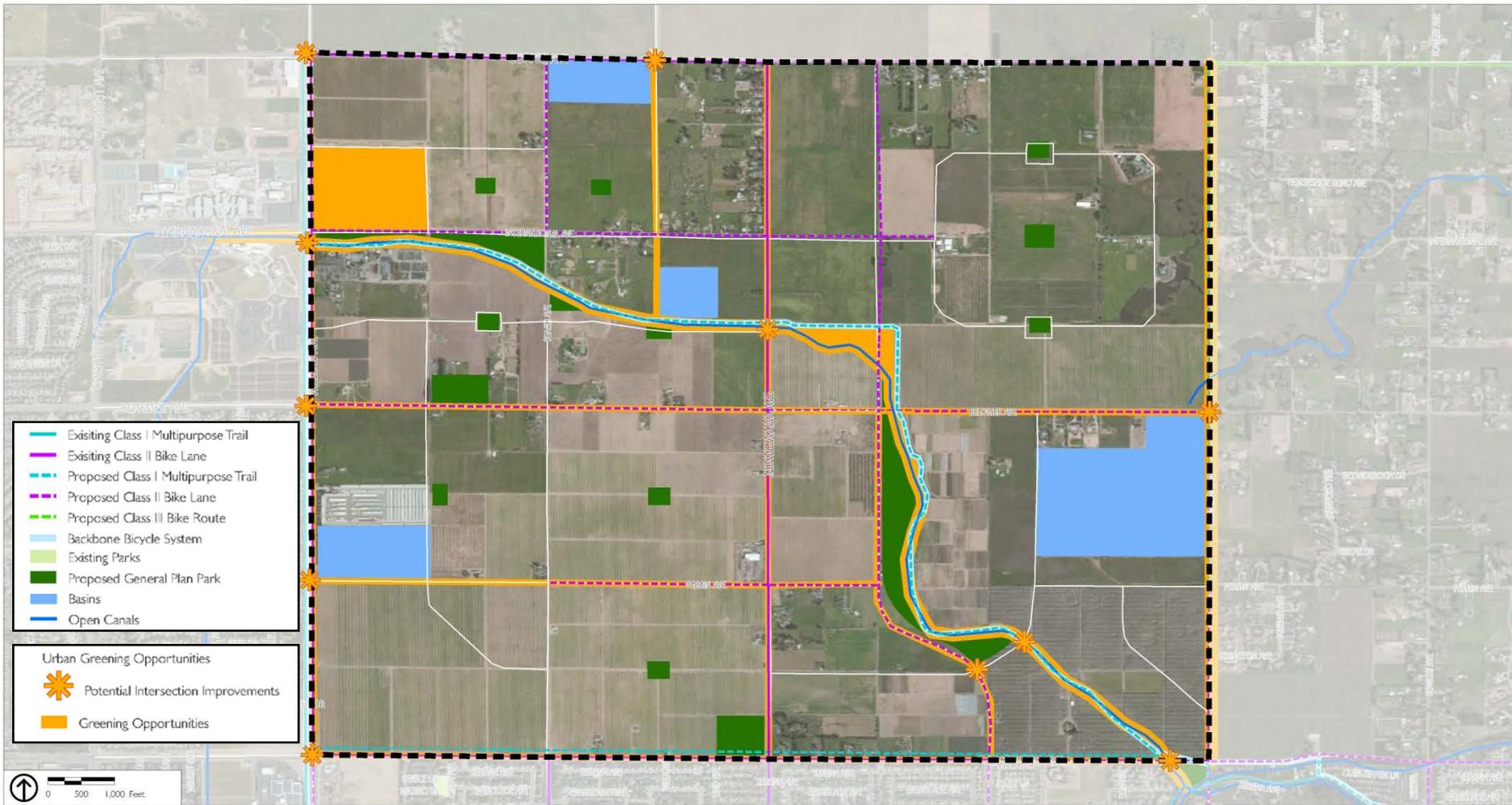
Specific to NORTHWEST

TONIGHT'S GOALS

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



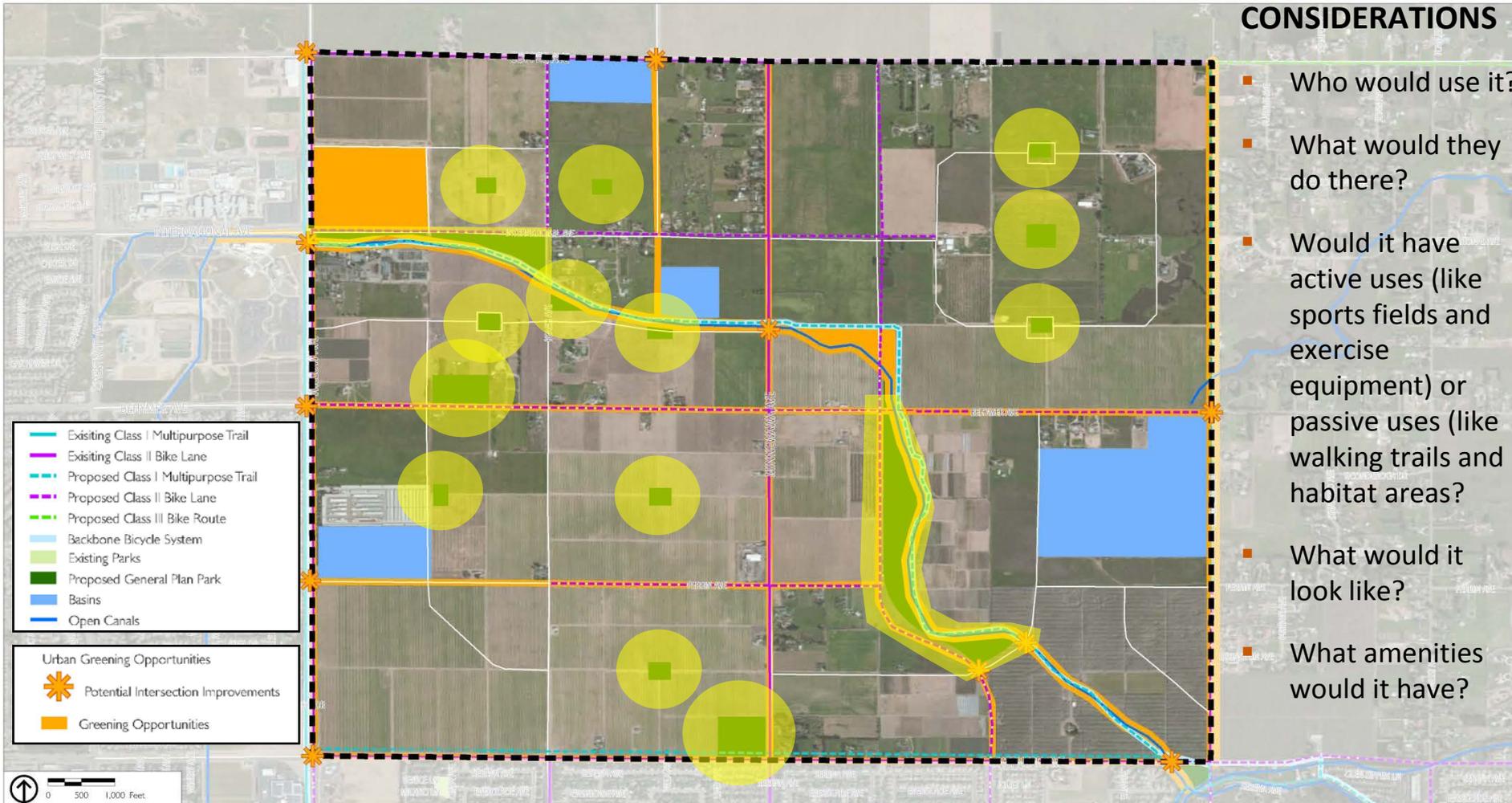
PRIORITIZE GREENING OPPORTUNITIES



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?

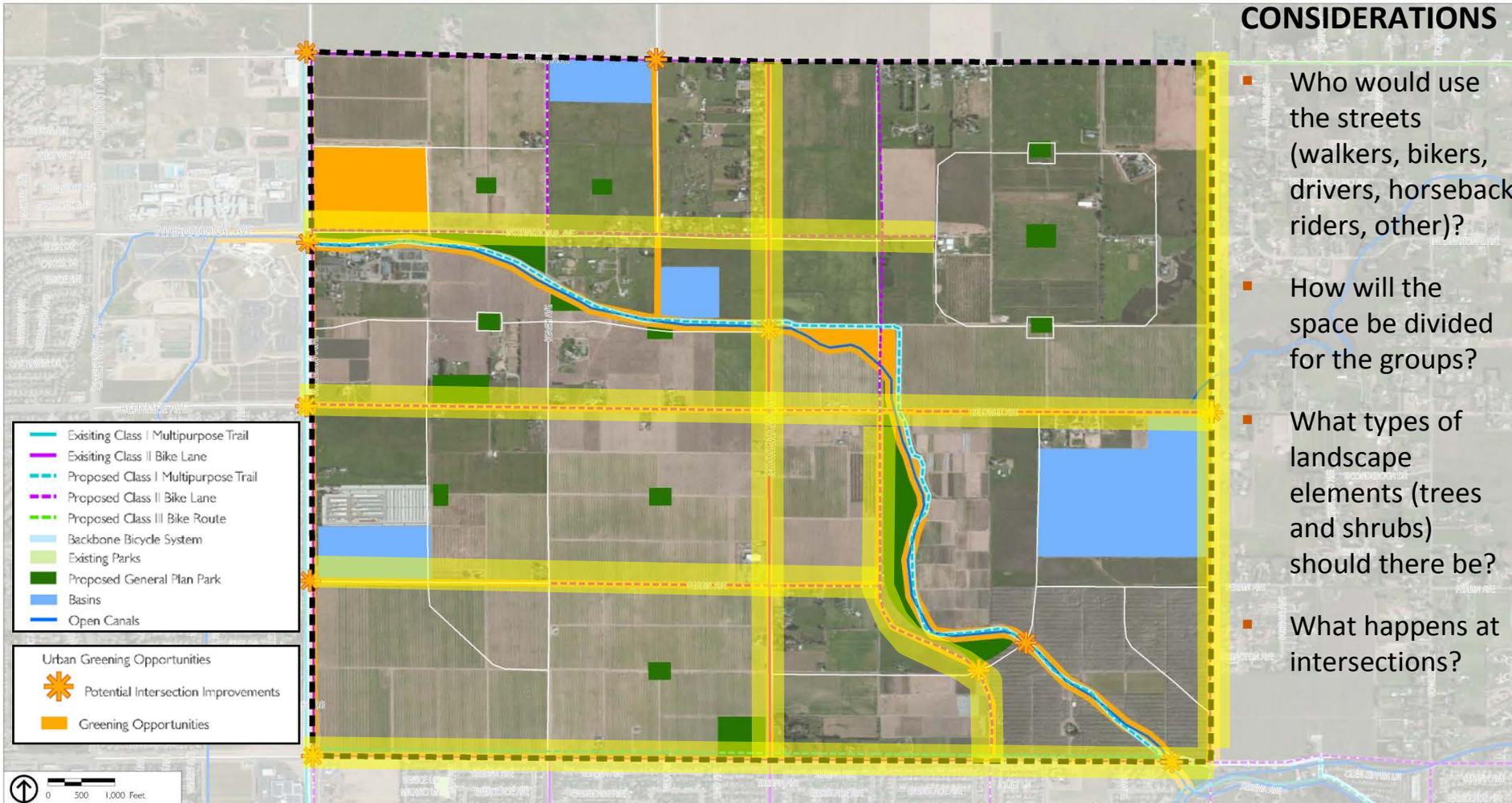


PARKS

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?

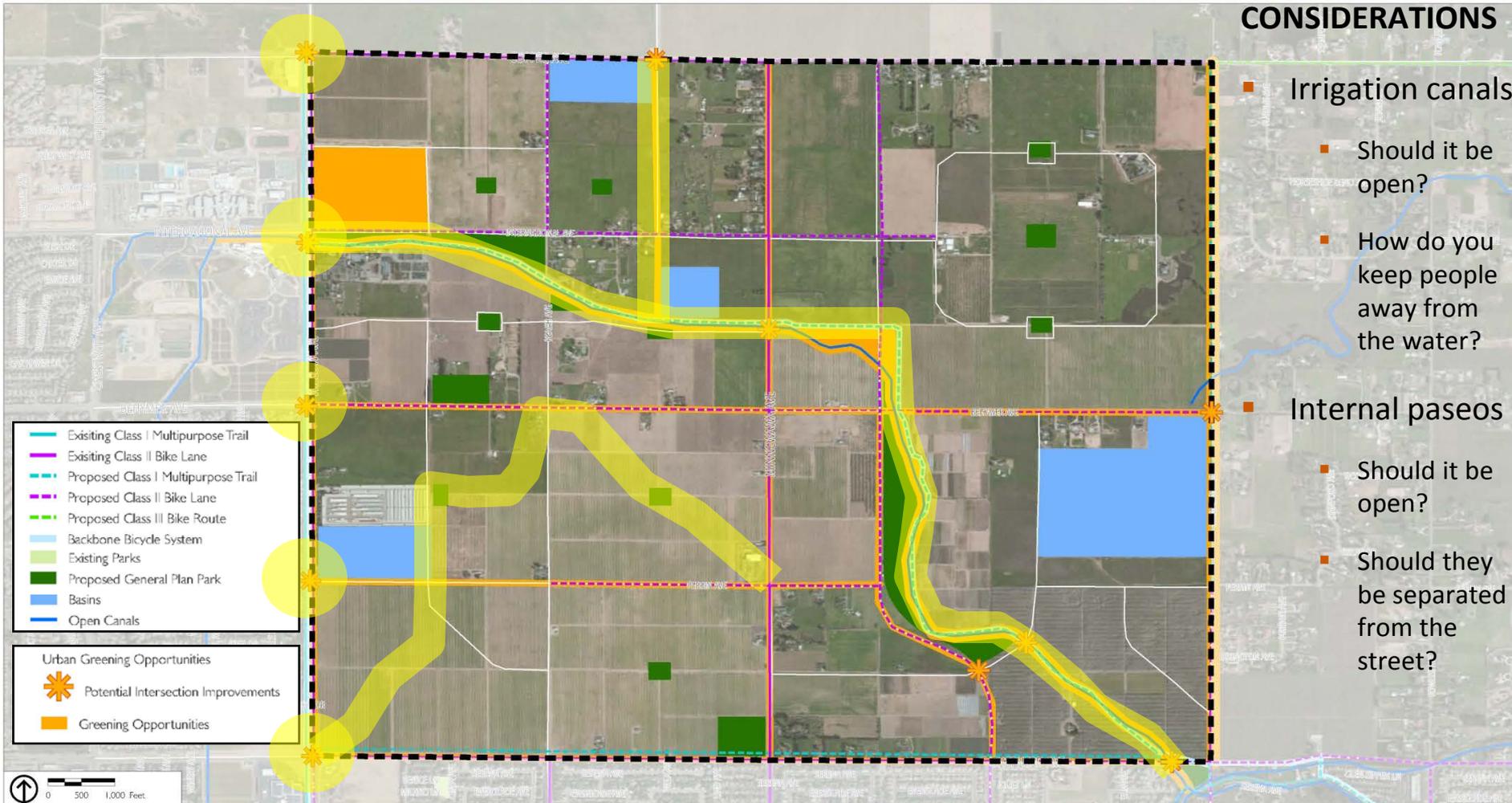


STREETS

PRIORITIZE GREENING OPPORTUNITIES

CONSIDERATIONS

- Irrigation canals
 - Should it be open?
 - How do you keep people away from the water?
- Internal paseos
 - Should it be open?
 - Should they be separated from the street?



TRAILS

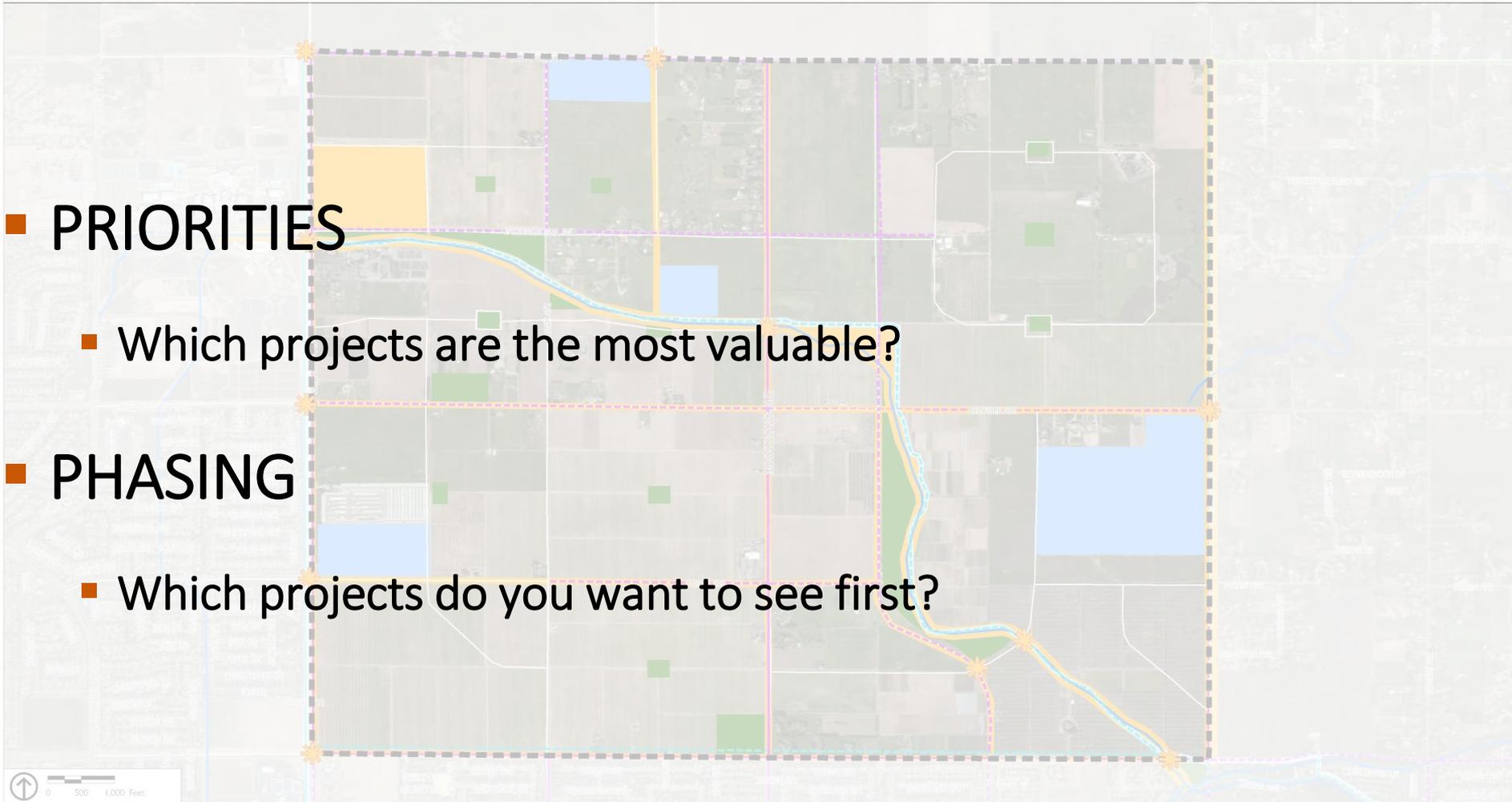
PRIORITIZE GREENING OPPORTUNITIES

■ PRIORITIES

- Which projects are the most valuable?

■ PHASING

- Which projects do you want to see first?

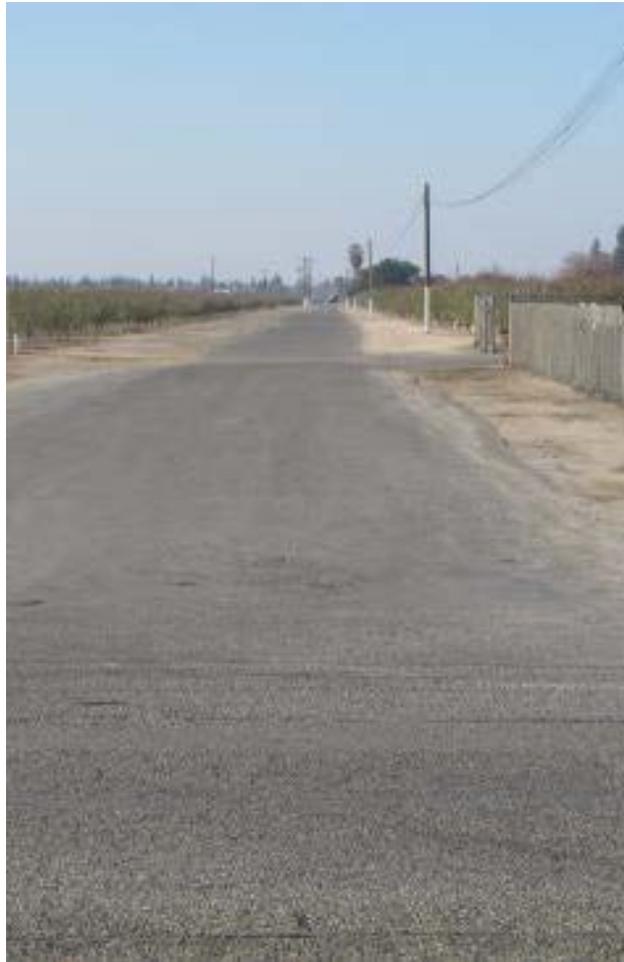


DEVELOP CONCEPTUAL SITE DESIGN

PARK



STREET



TRAIL

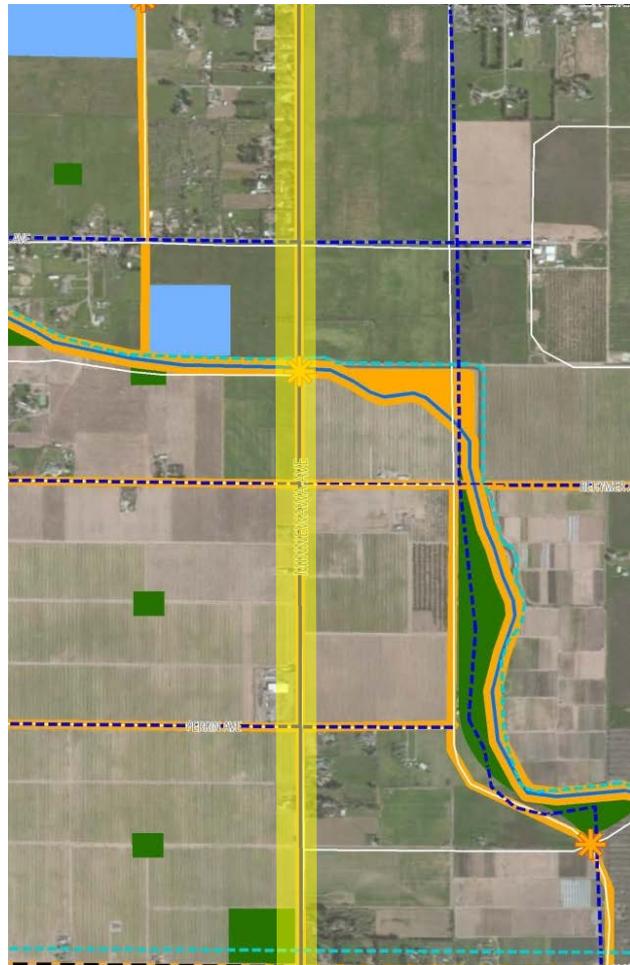


DEVELOP CONCEPTUAL SITE DESIGN

PARK

STREET

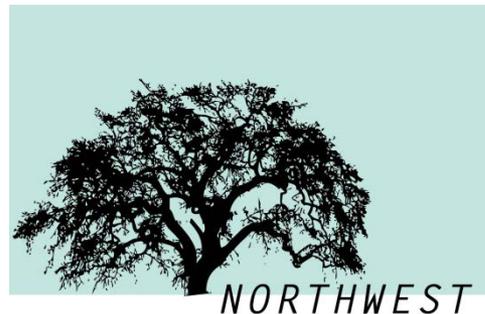
TRAIL



CREATE A 20-YEAR VISION

- What are the guiding principles for the next 20 years?
- What is the Northwest “brand?”

Other Clovis Communities





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