



Clovis Urban Greening Plan

Community Workshop #2 – Helm Ranch

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?

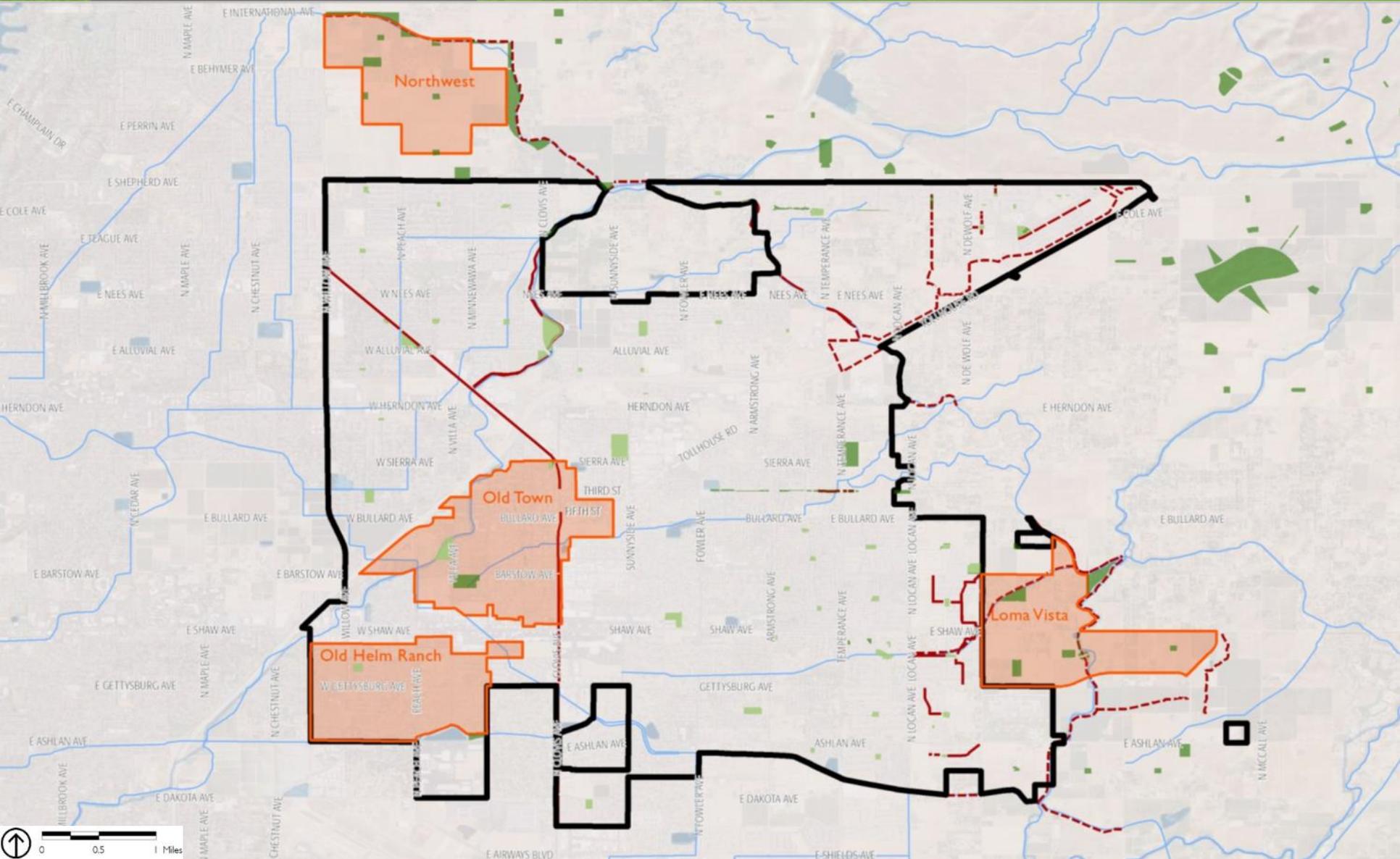
Stormwater Management



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

WATER

AIR
QUALITY

CLIMATE
CHANGE

PUBLIC
HEALTH



COMMUNITY FEEDBACK

GREENING GOALS AND STRATEGIES

URBAN GREENING goals and strategies.

URBAN GREENING GOALS

Increase Public Health, Community Amenities and Quality of Life

Choose new green space
Increase access to existing green space
Draw residents outdoors with pedestrian-friendly and bike
Green the corridors
Provide funding to encourage walking and bicycling
Provide funding from streets to encourage walking
Overall tree utilization and neighborhood density through planting
Increase access to affordable, fresh food
Encourage healthy eating habits through agricultural education
Improve food security with local agriculture
Green parking lots

COLE EISENBERG

ELECT SCOPES AND PLAN TO HAVE GREENING STRATEGY

Improve Government Operations

Improve stormwater management (paving to permeability to reduce runoff, flow to local and central waterways to protect nearby waterways and riparian habitat)
"Green" street "add projects" to add permeable paving, green roofs, bioswales and green infrastructure (green roofs, permeable paving, green roofs, bioswales and green infrastructure)
Design for maximum maintenance
Regular street cleaning programs for streets, sidewalks, trails, and green

Implement Recommendations for Previous Planning Efforts

Urban Land Resource Analysis (ULRA) to identify existing and potential green space
Bicycle Infrastructure Master Plan
Increase urban and recreational use of lake waters
Parks Master Plan
New open space opportunities

Engage the Community

Provide long-term ownership
Support community development and employment
Partner with community-based nonprofits and local businesses in greening efforts

WHAT IS URBAN GREENING?

URBAN GREENING considers the unique conditions of urban neighborhoods

WHAT IS THE CHARACTER OF HELM RANCH?

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

Keep density down

Plant trees + roses on willow

only build what you can maintain

friendly home for 42 years but changing now

Close to Old Town

blighted

Want Sustainable Public Safety Important Clean Air Great School!

Keep maintenance efforts w/ willow avenue tree can

*Ugly
Want to be part of clovis Unified
don't feel connected*

Remove shallow streets!

PLACERHONS

URBAN GREENING goals and strategies.

Educate the Community and Businesses

Provide information about transportation and the multiple benefits of urban greening
Support environmental and agricultural education
Promote the value of green infrastructure
Reduce the public's carbon footprint
Promote the benefits of green infrastructure to local City development code

Improve Pedestrian Experience

Safe, accessible, and sustainable pedestrian infrastructure
Increase security on and around affected corridors
Preferential access from residential neighborhoods to everyday goods and services

Provide Environmental Benefit

Improve air quality
Improve water quality/waterbody management
Encourage Fresno Ingotter District to restore local riparian corridors
Reduce greenhouse gas emissions
Promote alternative transit, biking, walking, and 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 new local land development
Reduce vehicle miles traveled by encouraging use of existing and development of existing public transit and activity centers
Offset impact of increasing population and urbanization
Provide under utilized River Park for new development

Maximize Opportunities for Partnerships

Tree Friends
Fresno Department of Public Works (DPW)
Clovis Botanical Garden
Clovis Garden
Clovis Unified School District (CUSD)
Building Industry Association
Clovis Community Foundation
Fresno County Health Department
Clovis Chapter of Commerce
Fresno Ingotter District
Climate Change Institute of Fresno State

WHAT IS URBAN GREENING?

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 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	PARKS AND OPEN SPACE VOTE HERE
WATER EFFICIENT PLANTING VOTE HERE	RAINGARDENS AND SWALES VOTE HERE
COMMUNITY GARDENS VOTE HERE	ALTERNATIVE TRANSPORTATION VOTE HERE
HABITAT RESTORATION VOTE HERE	OTHER (PLEASE WRITE YOUR OWN STRATEGIES BELOW) ↓ think about needs of population ↓ aging ↓ work to cut off ↓

CLOVIS URBAN GREENING PLAN

URBAN GREENING OPPORTUNITIES

PLACWORKS

COMMUNITY FEEDBACK

GREENING TOOLS

URBAN GREENING increases trees and plants.

PLANT PALETTE

evergreen						deciduous	
<input type="checkbox"/>						<input type="checkbox"/>	
conifer	broadleaf	palm	multi-stem	columnar	branching	SHAPE	
<input type="checkbox"/>							
dark green	light green	FALL COLORS		yellow	orange	red	COLOR
<input type="checkbox"/>							
edible fruit	small flowers	large flowers	FLOWERS				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

TREES

roots don't upset sidewalk

WHAT IS URBAN GREENING?

Clovis Urban Greening Plan | PLACEWORKS

URBAN GREENING increases trees and plants.

PLANT PALETTE - VISUAL PREFERENCE

WILLOW AVENUE
 → fix it → get it back to what it was 5 yrs ago
 → pavers still look nice & degraded
 → okay to make landscape & put trees since then
 → look like in first planting

OR

A MIX OF DIFFERENT TREES

GROUPINGS OR STREETS WITH THE SAME TREE

WHAT IS URBAN GREENING?
 + likes the part of Ashton in the landscape district | PLACEWORKS

Clovis Urban Greening Plan | PLACEWORKS

URBAN GREENING increases trees and plants.

PLANT PALETTE - VISUAL PREFERENCE

safe plantings → try to reduce places to hide

remember those

OR

SMALL SIZE

LARGE SIZE

Med

don't put trees in front of stop signs & street → *don't block intersection turns*

WHAT IS URBAN GREENING?

Clovis Urban Greening Plan | PLACEWORKS

PLANT PREFERENCE

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



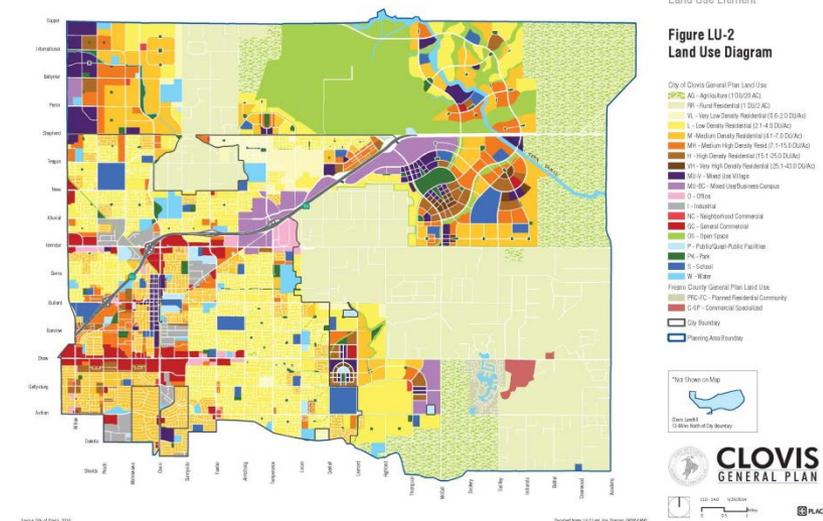
GREENING TOOLS

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

- **Resolve maintenance issues and refocus new projects to Helm Ranch**
 - Improve overall look of landscape infrastructure
 - Provide new green infill projects in vacant and underutilized spaces
- **Infrastructure focused on MULTI-GENERATIONAL and MULTI-MODAL transportation**
 - Improved sidewalks
 - Improved bike lanes
 - Improved transit options



Specific to HELM RANCH

GREEN VISION



Specific to HELM RANCH

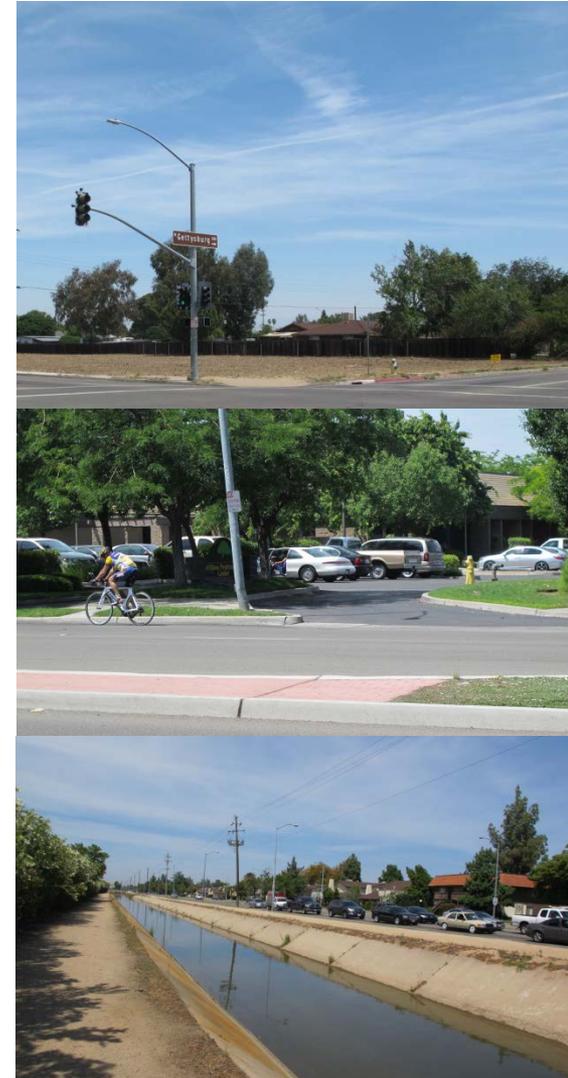
GREEN VISION



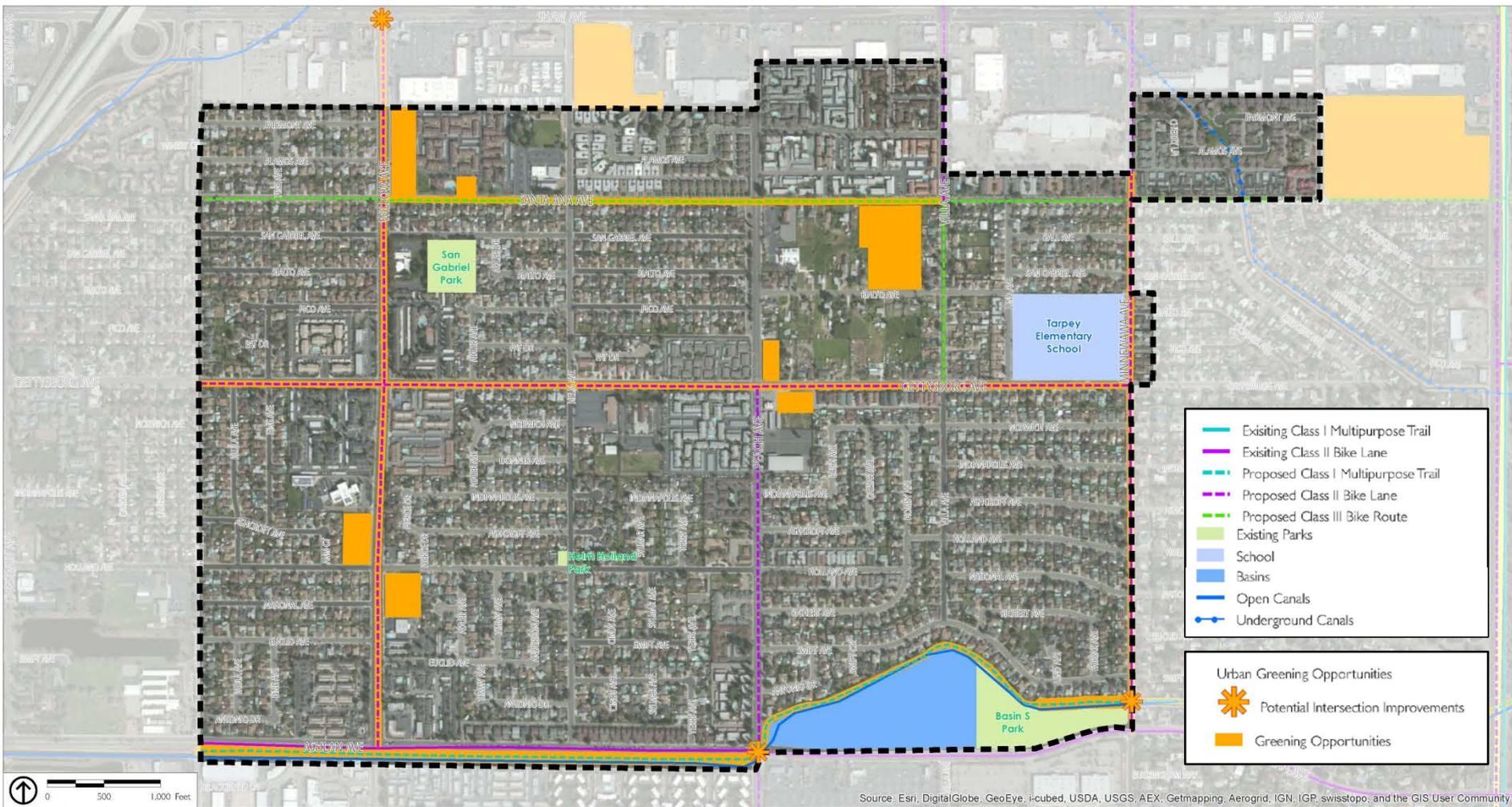
Specific to HELM RANCH

TONIGHT'S GOALS

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



PRIORITIZE GREENING OPPORTUNITIES



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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

PRIORITIZE GREENING OPPORTUNITIES

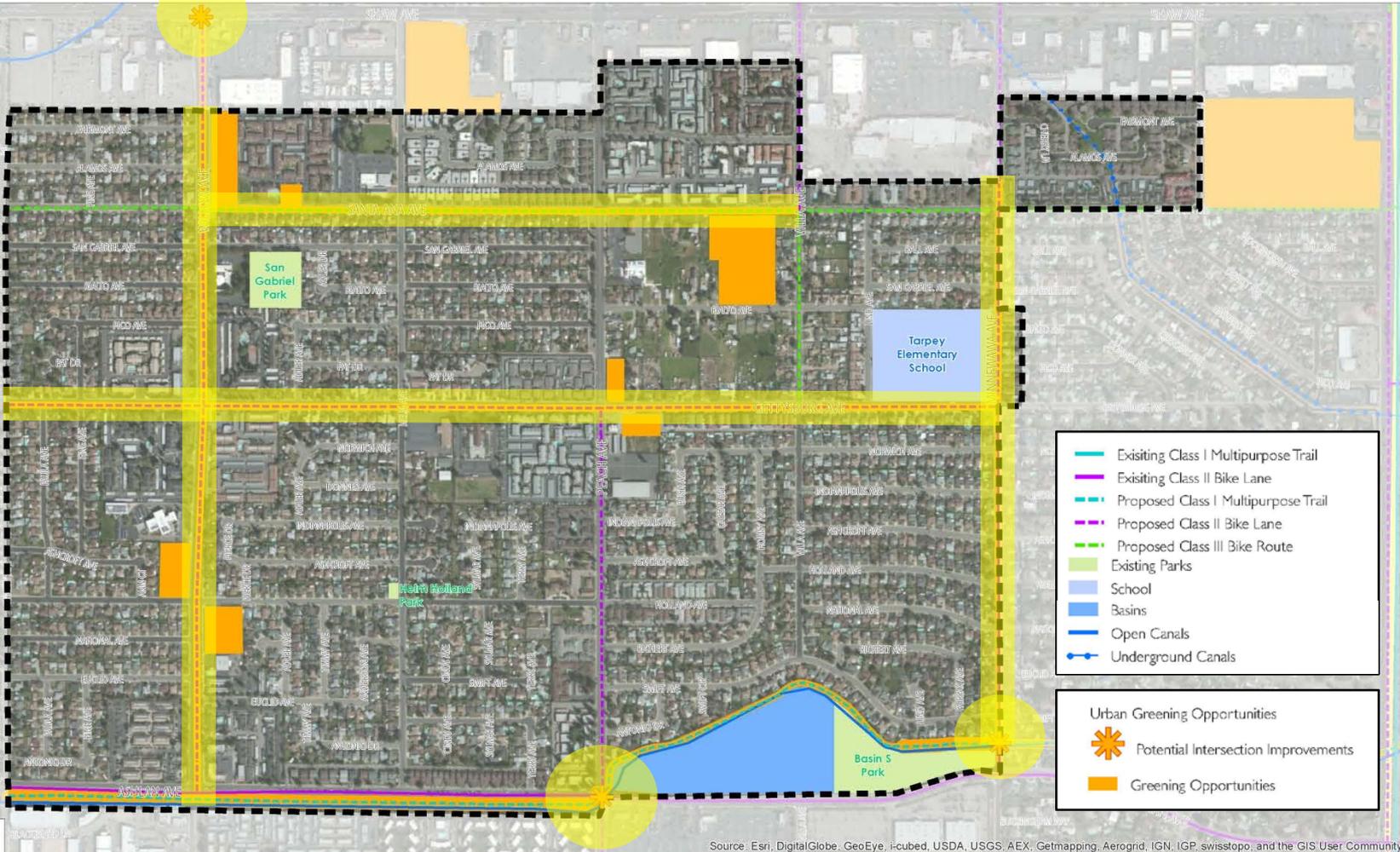
CONSIDERATIONS

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?



- 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
- Existing Parks
- School
- Basins
- Open Canals
- Underground Canals

- Urban Greening Opportunities**
- ★ Potential Intersection Improvements
- Greening Opportunities



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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

STREETS

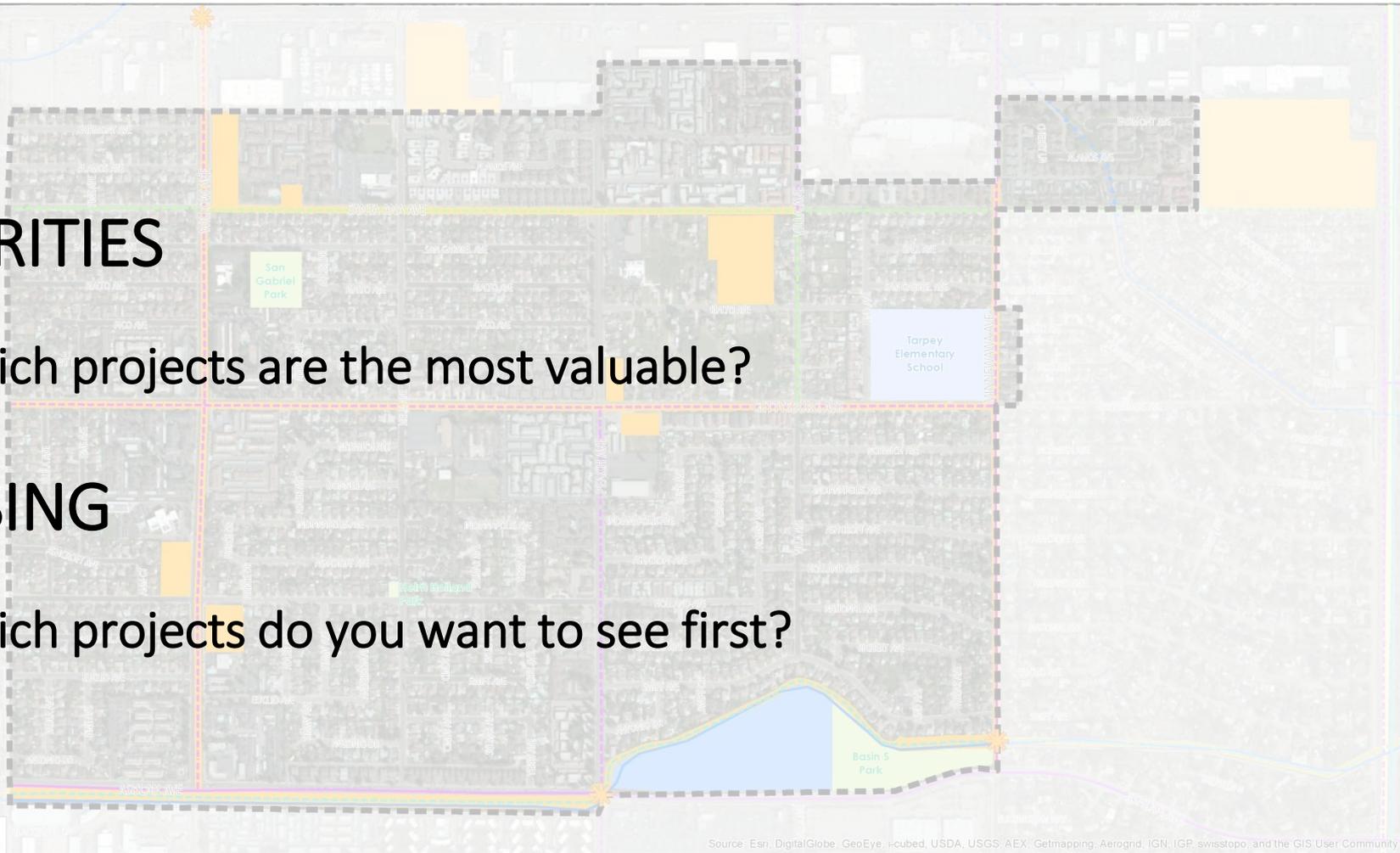
PRIORITIZE GREENING OPPORTUNITIES

■ PRIORITIES

- Which projects are the most valuable?

■ PHASING

- Which projects do you want to see first?



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

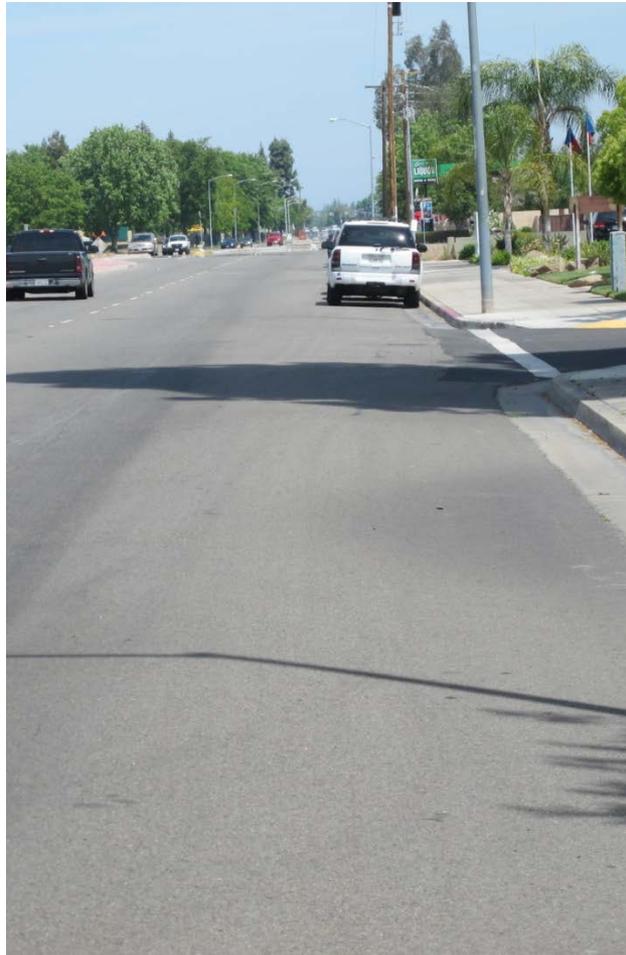
Source: City of Clovis, 2013; Fresno County, 2013; PlaceWorks, 2014.

DEVELOP CONCEPTUAL SITE DESIGN

PARK



STREET



TRAIL





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