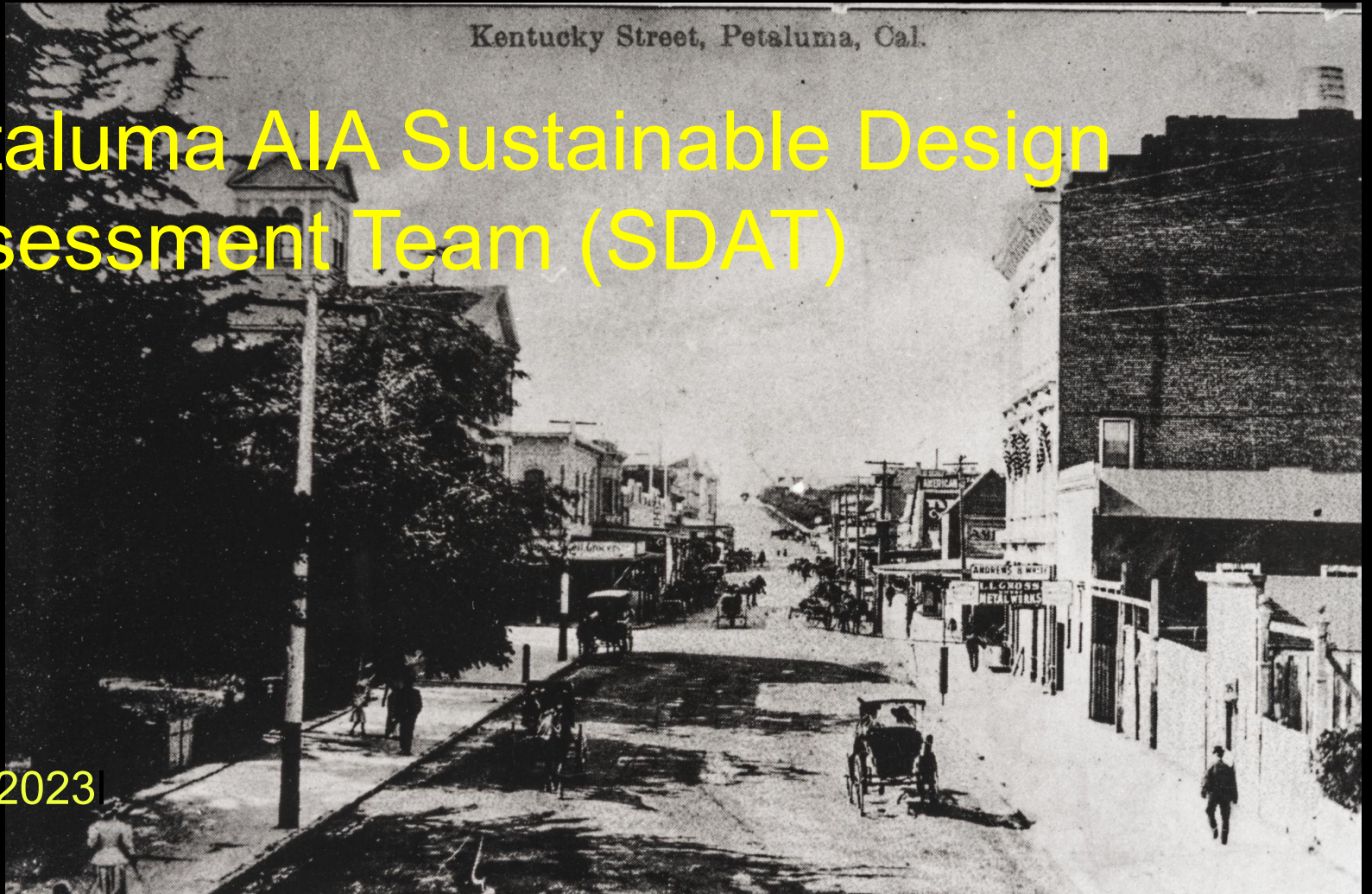


Kentucky Street, Petaluma, Cal.

Petaluma AIA Sustainable Design Assessment Team (SDAT)

April 2023







AIA Petaluma SDAT
(Sustainable Design
Assessment Team)

August 05 + 08 2022

AIA

The American Institute of Architects



**AIA
PETALUMA SDAT**

**FOCUS
15-MINUTE
NEIGHBORHOOD
& LIVING STREETS**

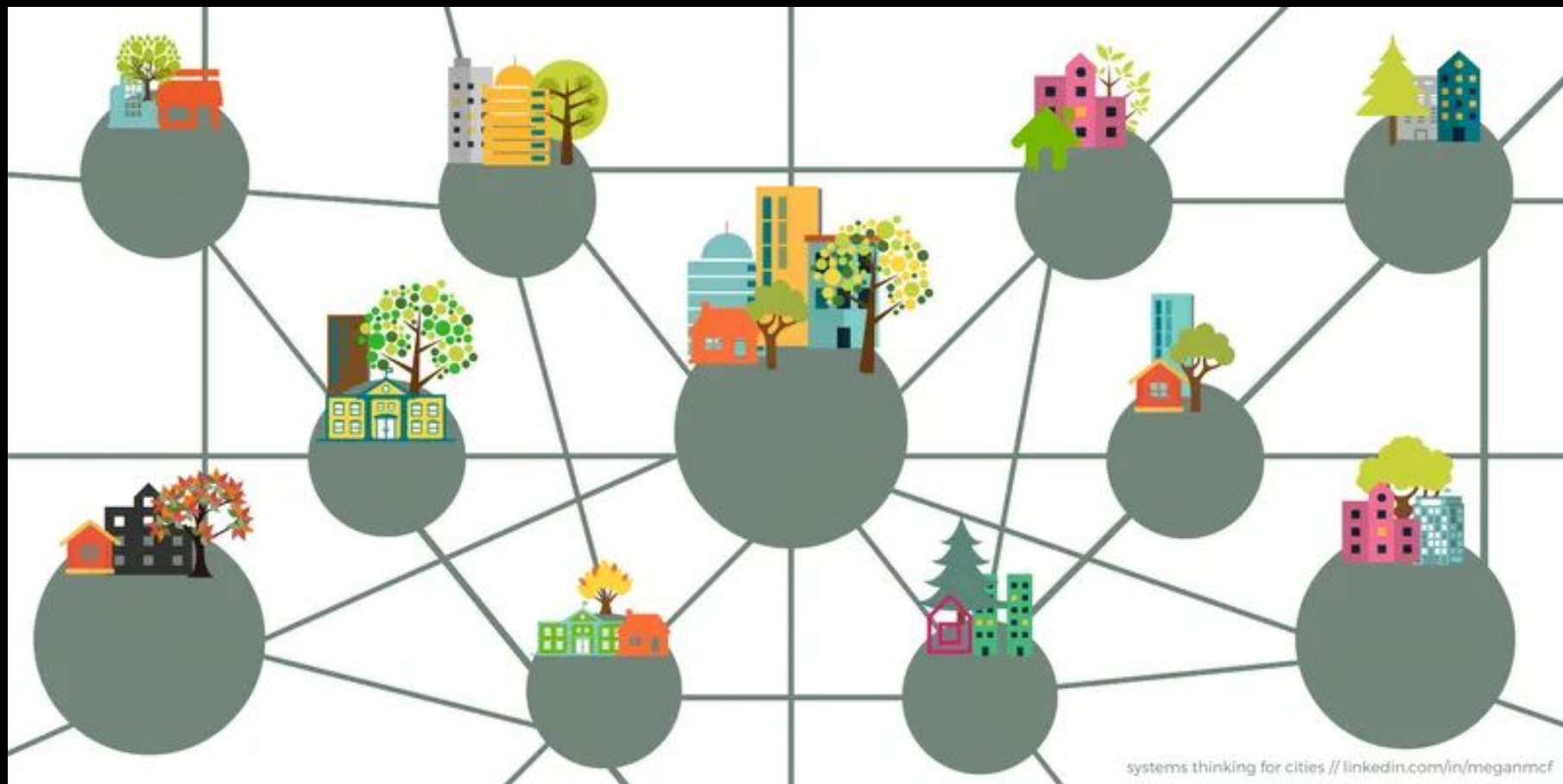


August 5-8, 2022



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Reimagining Petaluma



Part 1:

15-Minute Neighborhoods



THE LOCAL
GENERAL STORE

1440







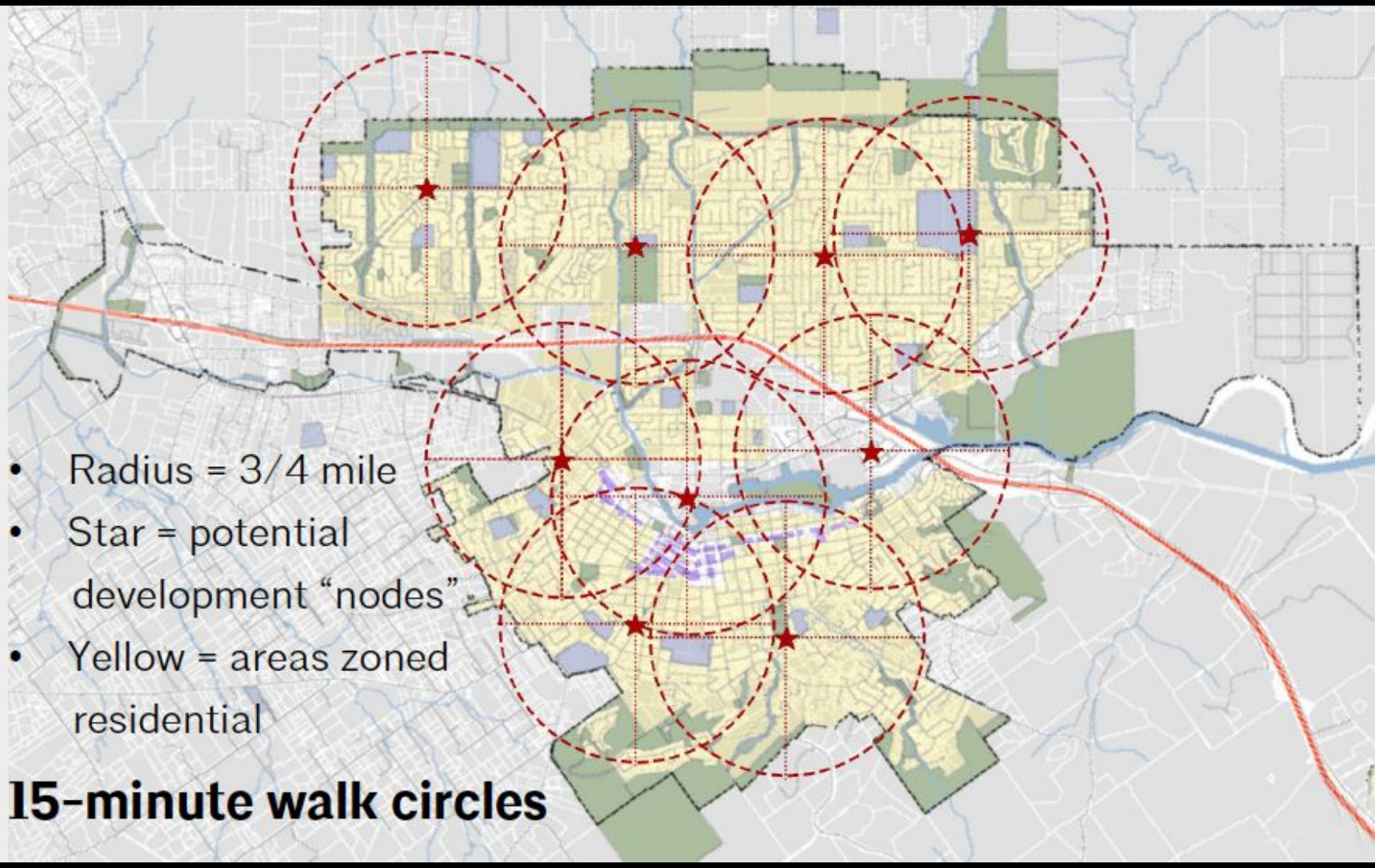
“Lowly, unpurposeful,
and random as they
appear, sidewalk
contacts are the small
change from which a
city's wealth of public
life must grow.”

– *Jane Jacobs*



The image is a map of a city area, likely in the San Francisco Bay Area, showing a grid of streets and various land use zones. A large, irregularly shaped area is highlighted in yellow, representing a specific urban district. Within this yellow area, a central point is marked with a red star. A dashed red circle is drawn around this star, representing a 15-minute walk circle. The circle is centered on the star and extends to the edges of the yellow area. The map also shows a red line, possibly a transit line, and a blue line, possibly a river or canal, winding through the area. The text "15-minute walk circles" is overlaid on the bottom left of the map.

15-minute walk circles

- 
- The image is a map of a city area, likely a suburban or urban fringe, showing a network of roads and green spaces. Overlaid on the map are several overlapping red dashed circles, each with a red star at its center. These circles represent 15-minute walkable areas from potential development nodes. The map also shows areas zoned for residential use, indicated by yellow shading. A red line, possibly a major road or transit route, runs diagonally across the map. The background is a light gray map with blue lines for water bodies and green areas for parks or undeveloped land.
- Radius = 3/4 mile
 - Star = potential development “nodes”
 - Yellow = areas zoned residential

15-minute walk circles







neighborhood
cafe

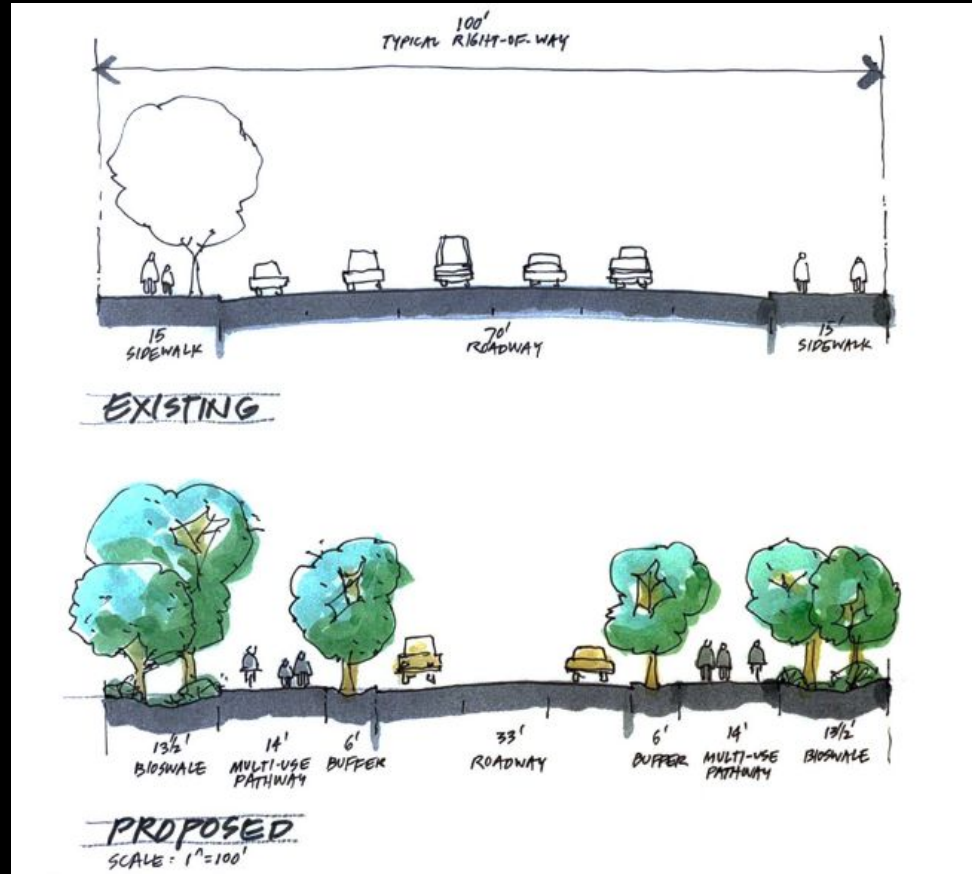
CAFE

Part 2: Transportation, or Reimagining Mobility

The SDAT team heard the community identify five key challenges of our roadway system here in Petaluma:

1. Fragmented bikeway network
2. Limited cross-town connectivity
3. Motorists speeding through neighborhoods
4. Narrow sidewalks
5. Unreliable transit service

“Fix Washington Street” and all of our arterials



Pavements can be permeable for increased flood protection and stormwater management.

Variety of Native Canopy Trees

14' Bike/ Pedestrian Path Connector



3- Lane Road

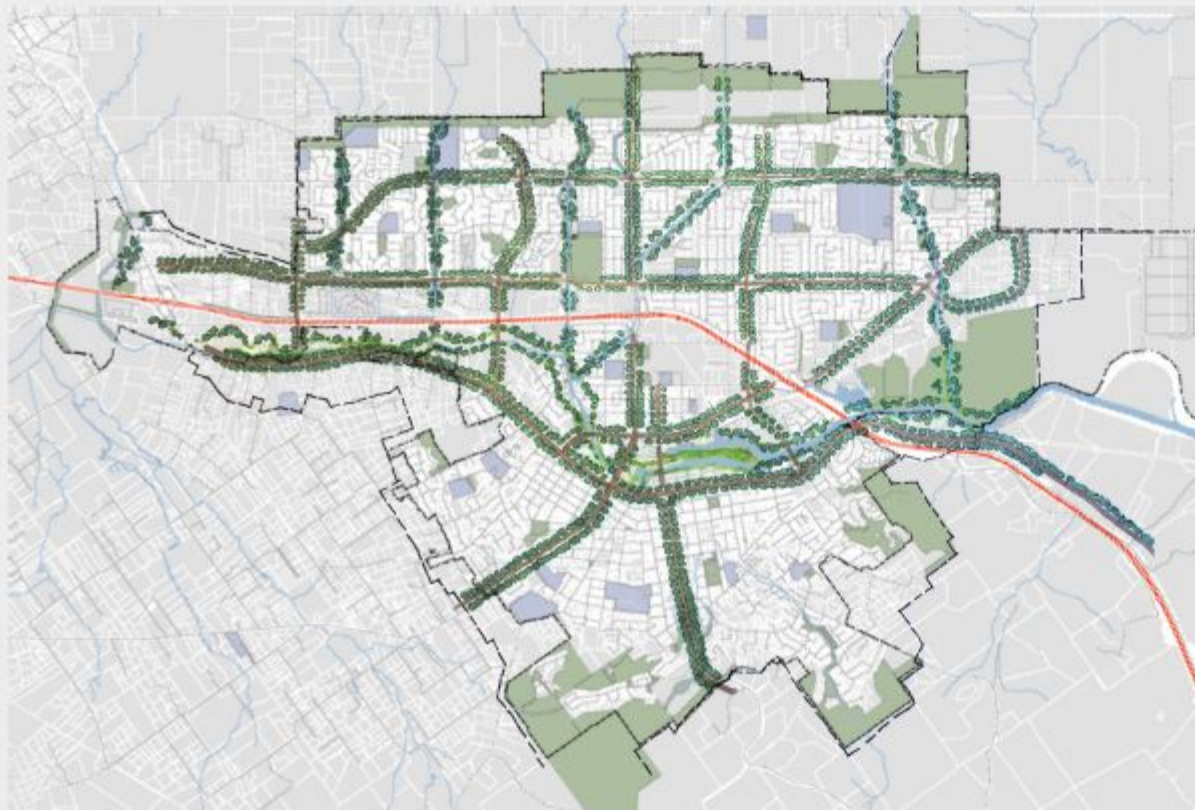
Bio-retention

Water infiltrates into the ground while native plants provide biodiversity and filter pollutants

Stormwater Management

Curb cuts can allow water from the street to enter bioswales

Green Connectors



Transforming grey corridors into healthy, walkable, bikeable, resource rich diverse corridors



Update Petaluma's Street Design Standards

Include
sidepaths
and
protected
bike lanes

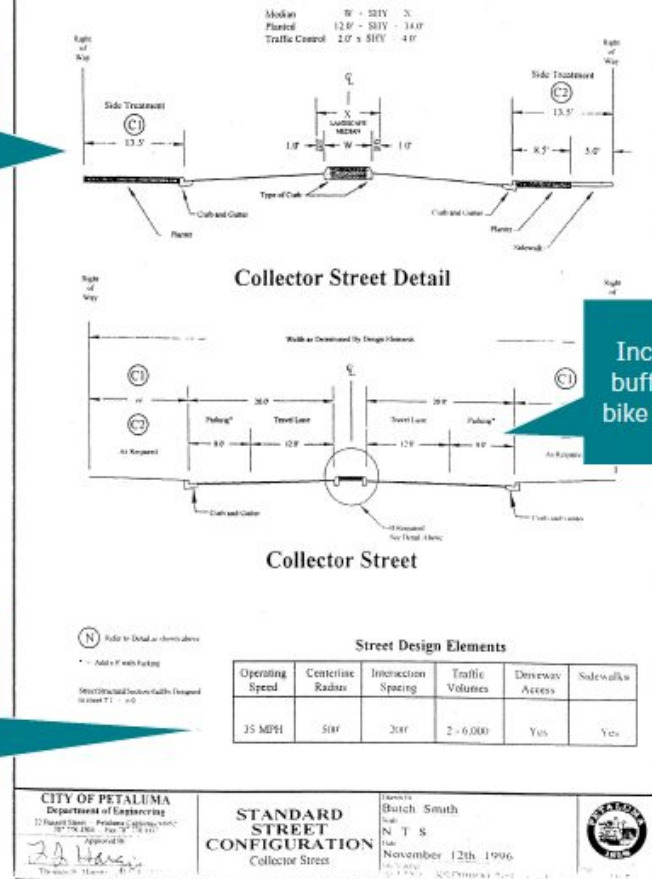
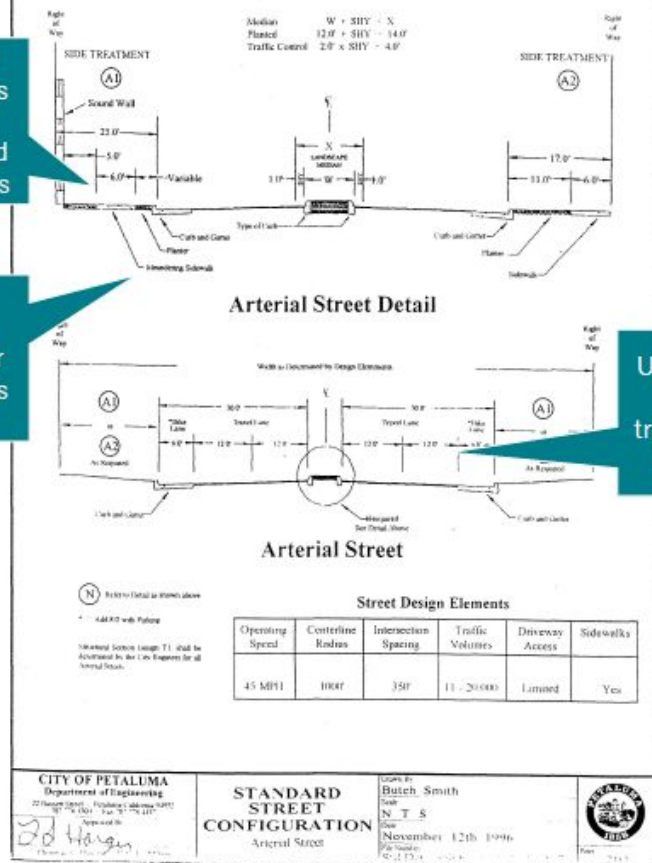
Don't
meander
sidewalks

Always
provide
sidewalks
on both
sides

Use 10' or
11' for
travel lane
widths

Include
buffered
bike lanes

Reduce
design
speeds

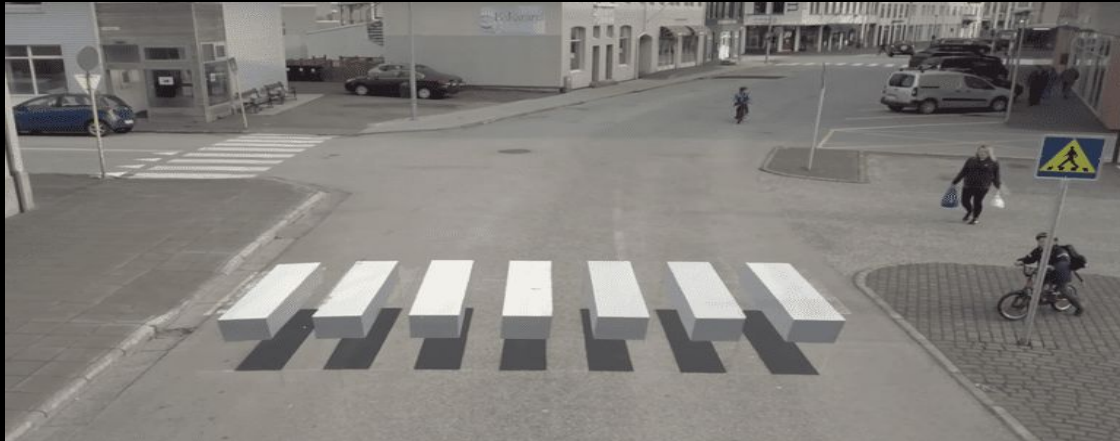


Improve transit reliability and frequency
“... in order to encourage all residents and visitors to use transit rather than drive.”



Create a Neighborhood Traffic Calming Program:

“In addition to more traditional traffic calming treatments such as curb extensions and speed humps, the City should explore or continue to explore mini traffic circles, raised crosswalks, chicanes, and one-lane pinch points.”



Policy Needs to Facilitate Physical Changes

- Reconfigure streets
- Rewild and green streets, neighborhoods, and parks
- Reduce average car speeds
- Allow varied uses in existing homes
- Create mixed-use neighborhood cores in convenient locations
- Deemphasize car parking
- Reimagine the transit system

Big Idea:

Create a **15-minute city**, in which tasks of daily life can be accomplished more safely, comfortably, and easily on foot, bicycle, or transit than by car.

Implement with regulatory changes to:

- General Plan & Climate Action and Adaptation Plan
- Implementing Zoning Ordinance
- Smart Code
- Objective Design Standards
- Active Transportation Plan
- Street Design Standards



15-minute neighborhoods & living streets

