



21st Century Library and Community Learning Center

Council Infrastructure Committee
October 28, 2020

Kevin Briggs, Senior Civil Engineer





RECENT PROGRESS

- Novum Cable Supported Glass Wall
- Solar Panel Interconnection
- Green Wall
- Garage Elevator and Stairs



RECENT PROGRESS

- Novum Cable Supported Glass Wall





RECENT PROGRESS

- Solar Panel Interconnection





- Green Wall

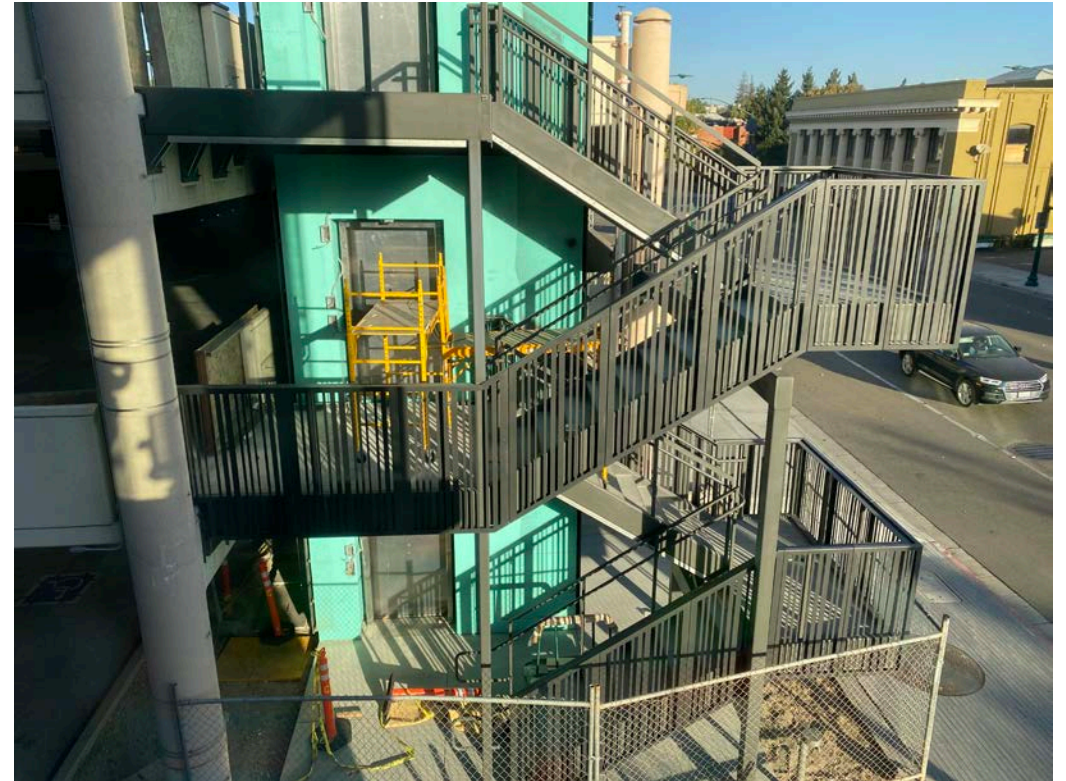
RECENT PROGRESS





RECENT PROGRESS

- Garage Elevator / Stairs





LIBRARY – MAJOR ISSUES

- Millwork
- Heating, Ventilating and Air Conditioning (HVAC) System
- Atrium Stairs
- Garage Elevator and Stairs
- Solar Panels



LIBRARY – MAJOR ISSUES

- Millwork





LIBRARY – MAJOR ISSUES

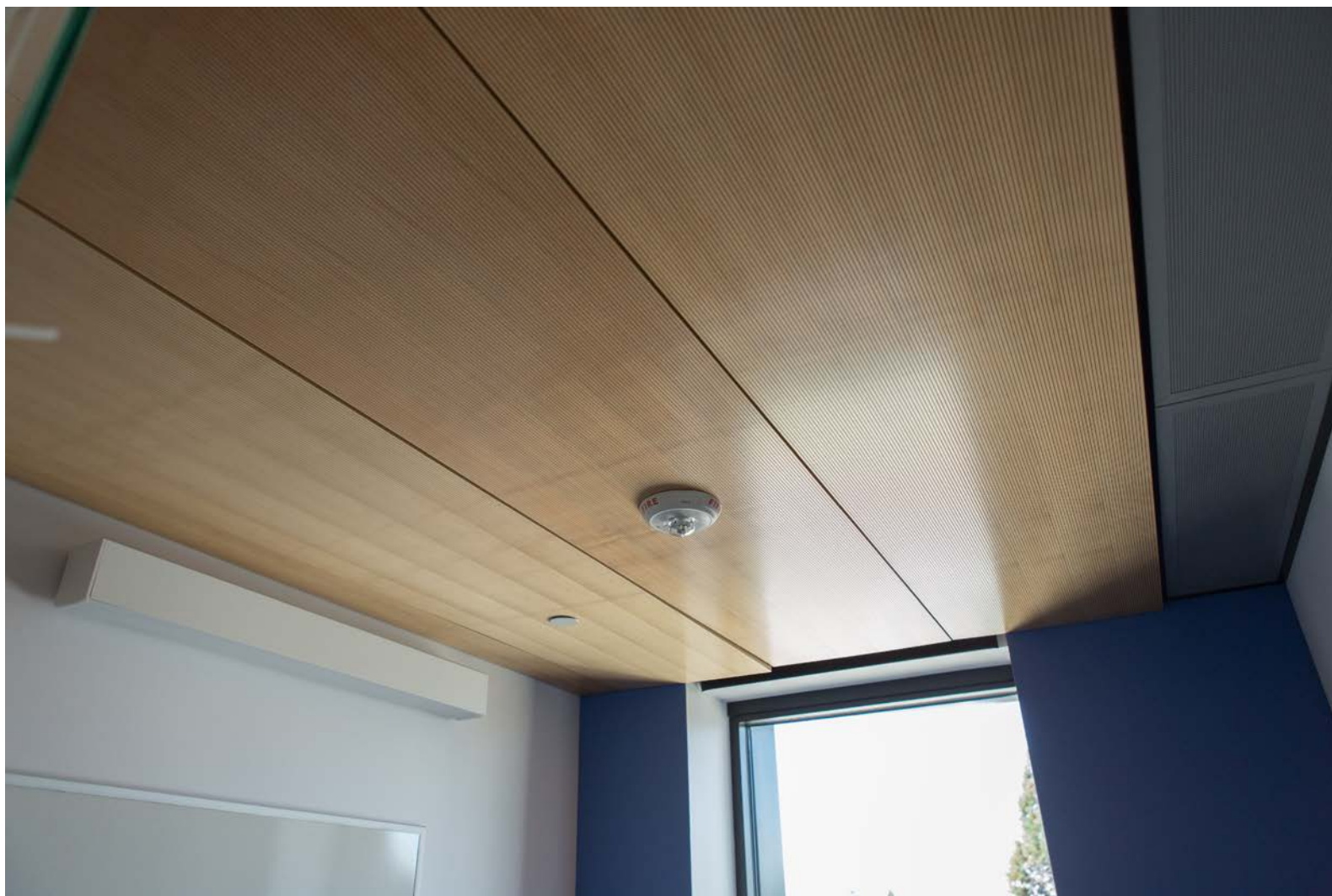
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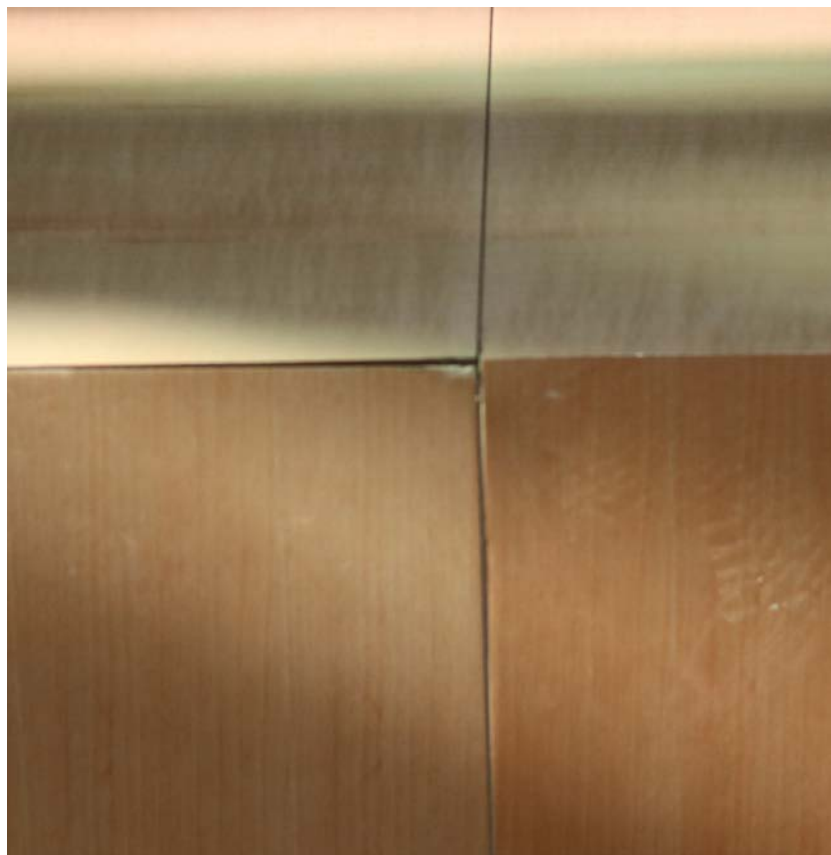
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- HVAC System





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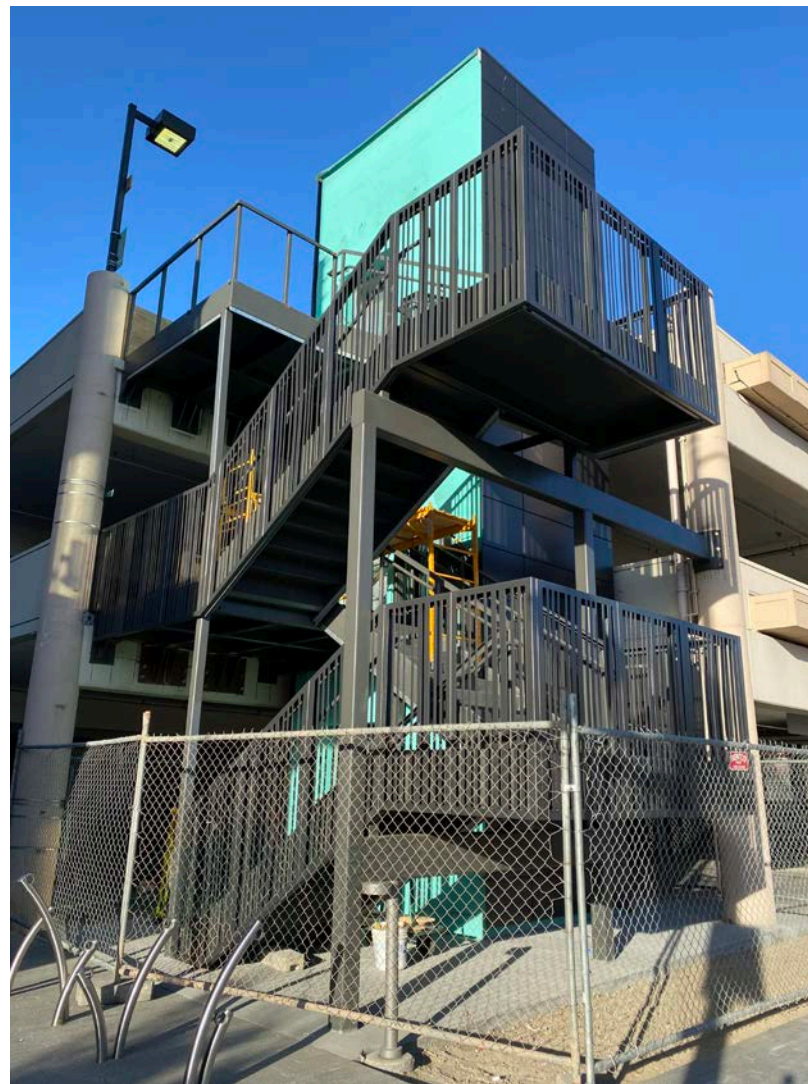
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LIBRARY – MAJOR ISSUES

- Garage Stairs / Elevator





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- Solar Panels





PLAZA – REMAINING WORK

- Pavers
- Irrigation / Landscaping
- PG&E Transformer – Electrical
- Signage
- Other hardscape





PLAZA – REMAINING WORK

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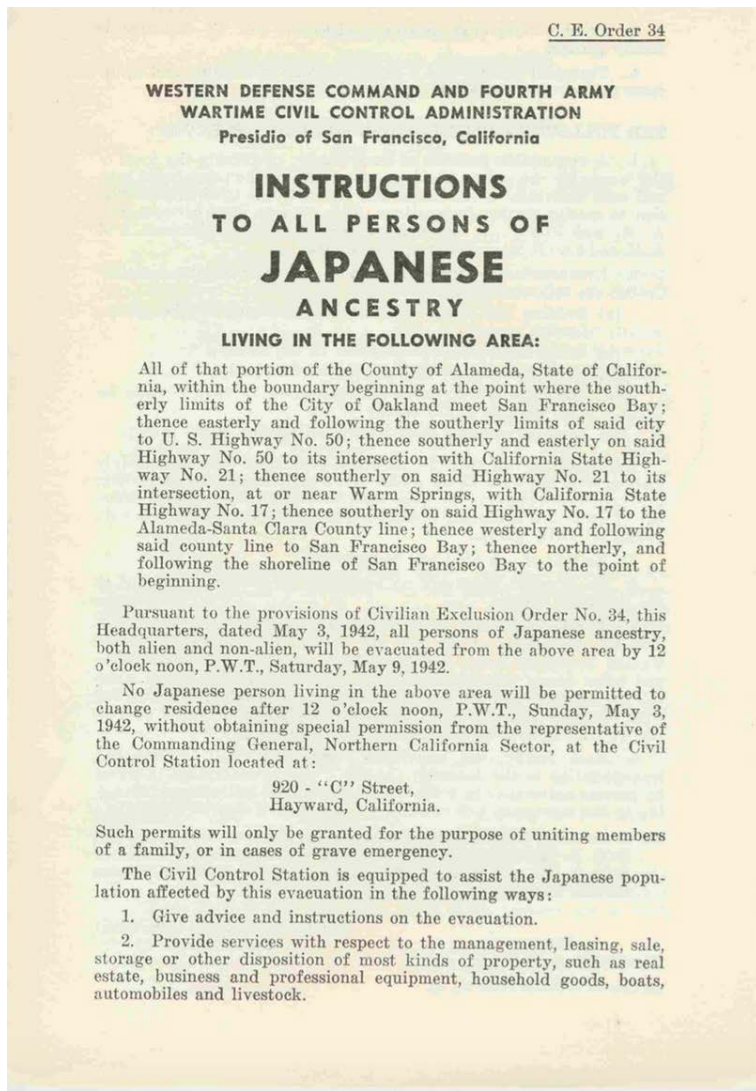


PLAZA – REMAINING WORK

- Signage



Japanese-American Internment Memorial Sign



On May 8, 1942, more than 600 people of Japanese ancestry boarded buses on Watkins Street bound for a detention center at the Tanforan racetrack...





PLAZA – REMAINING WORK

Signage

- Russell City
- Ohlone Indian Tribe
- Memorial Trees
- Educational Signs



PLAZA – REMAINING WORK

- Other hardscape





PLAZA – REMAINING WORK

- Other hardscape





PLAZA – REMAINING WORK

- Other hardscape
 - Reclaimed wood benches





PERSONNEL TURNOVER

- Lost continuity
- Lost institutional knowledge
- Reset learning curves

Since January 2016

- Project Managers – 4 to 6+
- Superintendents – 8
- Project Engineer – 1



SUBCONTRACTOR PAYMENTS

Progress Payments

- NYC -> Late or No Payments
- Surety and Conditional Releases
- Monthly Invoices

Stop Notices

- Progress Payment Reductions
- Surety Bond or Subcontractor Release

Work Stops

- Until Payment or Negotiated Settlement



PROJECT SHUT DOWNS

- STOP NOTICE CASH FLOW DELAY
 - TB Penick
 - Subcontractors
- PANDEMIC
- AIR QUALITY (SMOKE)



PROJECT TIMELINE

September 2015

Project Award

January 2016

Project Notice to Proceed

October 2018

Library Demolition Start

October 27, 2018

Soft Opening

September 14, 2019

Grand Opening

January 2020

Possible Plaza Completion



Project Costs

- Construction Contract \$49,290,599
- Contingencies \$ 3,259,401
- Grant (HRPP) Funding \$ 398,512
- Signage Appropriation \$ 30,000

- Outstanding Change Order Requests \$ 650,000 (approx.)
- Additional City Administration



Council Infrastructure Committee

21st Century Library and Community Learning Center

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Council Infrastructure Committee Meeting

Main Street Complete Streets Update

10/28/20

Public Works Department



Main Street Complete Streets - CIC Meeting

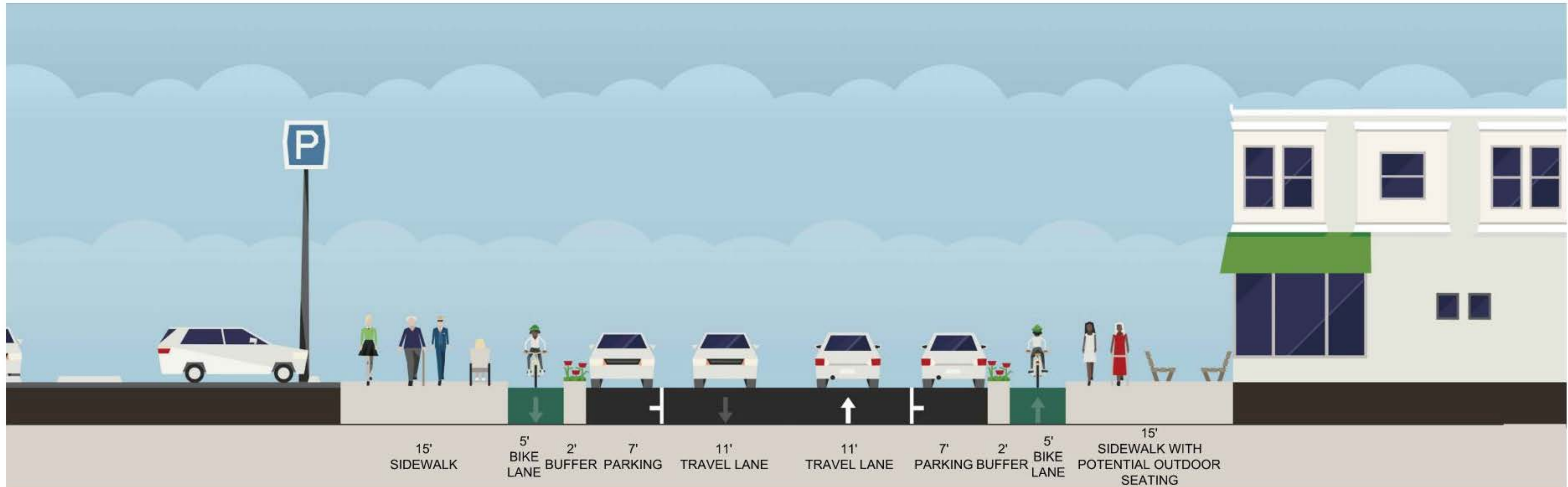
- Summary of July 22, 2020 CIC meeting design review and committee feedback
- 2016 grant project cost estimate vs updated cost estimate
- Cost reduction alternative and potential to combine work with another City project
- Pilot program to re-stripe Main Street to reduce travel lanes and add bicycle lanes
- Next Steps & Recommendation
- Questions & Discussion



Main Street Complete Streets – CIC Meeting

Concept Plan C1

PROPOSED CROSS SECTION



NOTE: CROSS SECTION IS BETWEEN A STREET AND B STREET.



Main Street Complete Streets – CIC Meeting Cost Estimates & Cost Reduction Alternative

Alternative	Project Limits	Construction Cost	Construction Cost with 10% Contingency	Total Project Cost with 10% contingency and design, surveying, inspection, admin
Grant	D Street to McKeever Ave - Construction Costs (2016 Grant Application Estimate - No bike barrier, greer infrastructure, roadway rehab and excavation, re-use old sidewalk	\$1,559,726	\$1,715,699	\$2.25M
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Funding Summary	
OBAG Grant	\$1.7 Million
City of Hayward Contribution	\$550,000
<u>Safe Routes for Seniors</u>	<u>\$1.0 Million</u>
Total Funds Available	\$3.25 Million



Main Street Complete Streets - CIC Meeting Site Plan

Alternative 1 – Reduce scope of
improvements: A Street to McKeever Ave

C St

Maple & Main
Development

A St

B St

McKeever Avenue

Safe Routes for Seniors
Improvement project locations -
\$1M Budgeted

D Street



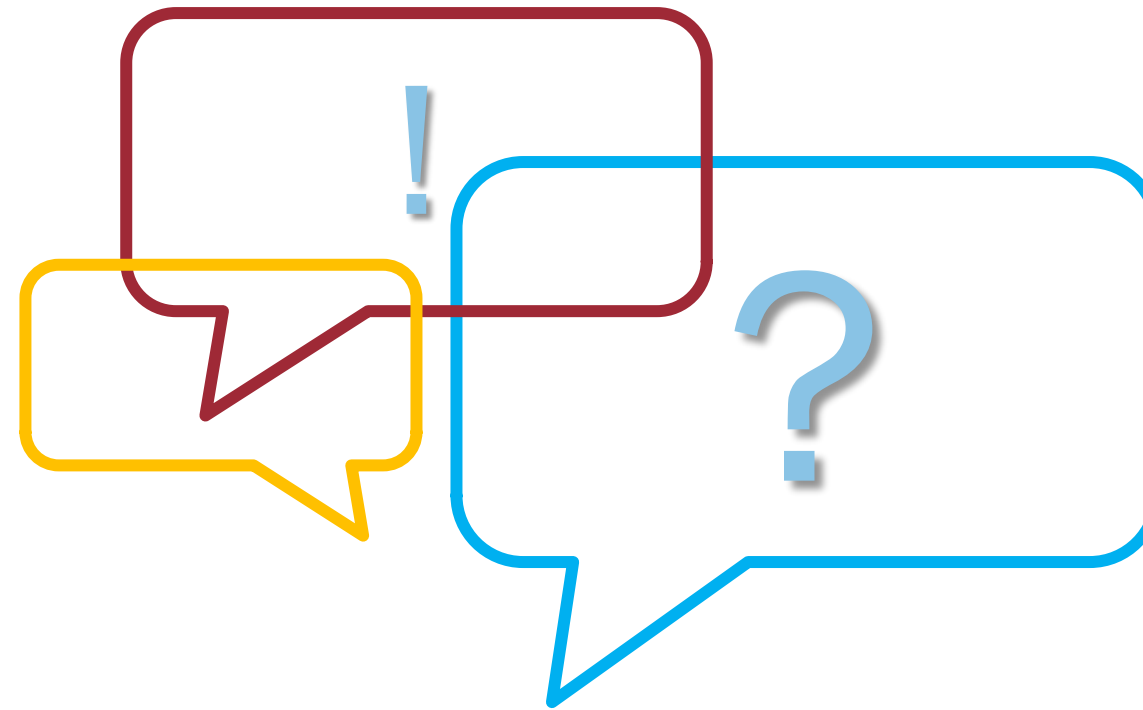
Main Street Complete Streets – CIC Meeting

Recommendations & Next Steps

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- Staff recommends the Committee provide feedback on the proposed pilot program to re-stripe Main Street to simulate lane reductions, reconfigured parking and bicycle lanes
- Staff recommends the Committee to provide directions to move forward with construction documents or to provide additional analysis recommendations



Main Street Complete Streets – CIC Meeting



Questions & Discussion

COUNCIL INFRASTRUCTURE COMMITTEE



FY21 PAVEMENT IMPROVEMENT PROJECT

October 28, 2020




HAYWARD

FY21 Pavement Improvement Project

Project Overview:

- The project currently under design and staff is seeking Council's feedback on the street selection list
- 58 sections for rehabilitation treatment
 - Overlay with spot repairs
 - Grind & overlay with spot repairs
- 30 sections for preventive maintenance treatment
 - Micro-surfacing with spot repairs

STREET SELECTION CRITERIA

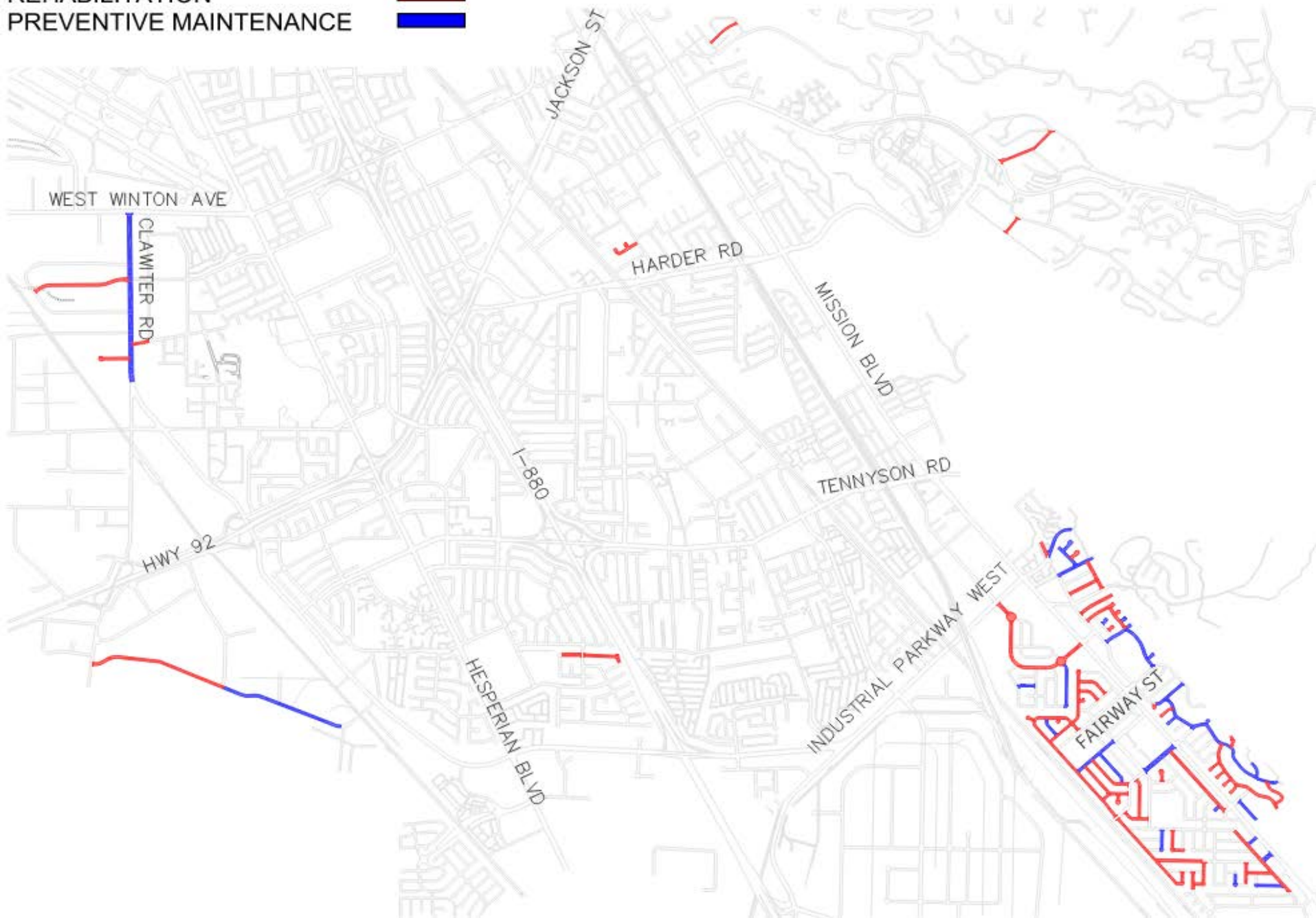
- **Geographic Location** - Selecting streets in close vicinity to help lower construction bids was considered.
 - **Internal Reports** – Requests from City's Maintenance Services staff.
 - **Public Input** - Requests from the public/Council members
 - **Funding Availability** – Aim to pave as many streets with available funding.
- 
- A decorative geometric pattern consisting of a series of interlocking, stepped lines forming a zigzag or staircase-like shape, located in the bottom right corner of the slide.

FY21 PAVEMENT IMPROVEMENT PROJECT

REHABILITATION



PREVENTIVE MAINTENANCE



FISCAL IMPACT

210 - Gas Tax	\$1,050,000
212 - Measure BB – Local Transportation	\$2,340,000
215 - Measure B – Local Transportation	\$3,050,000
218 – Vehicle Registration Fee	\$1,025,000
<u>211 – RRAA (SB1)</u>	<u>\$3,000,000</u>
<hr/>	
<i>Project Total:</i>	<i>\$10,465,000</i>

PROJECT SCHEDULE

February 2021:	Submit approval of plans, specifications and call for bids for Council's approval
March 2021:	Bid Opening
April 2021:	Award of Contract
May 2021:	Start of Construction
September 2021:	End of Construction



Questions?



Council Infrastructure Committee Meeting

MISSION BOULEVARD LINEAR PARK

October 28th, 2020



OVERVIEW

Team Introduction

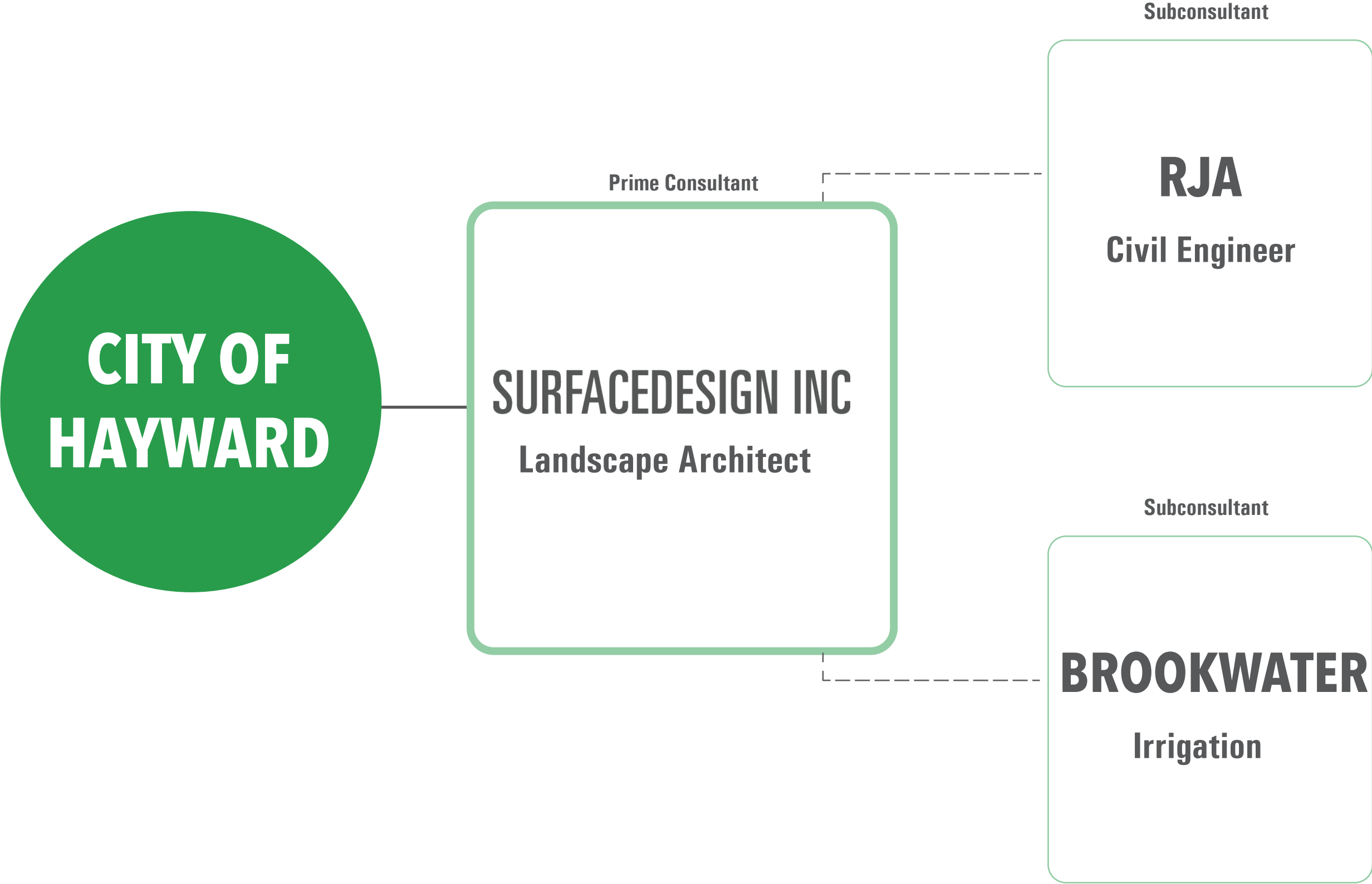
Project Introduction

Listening + Learning

Design Concept

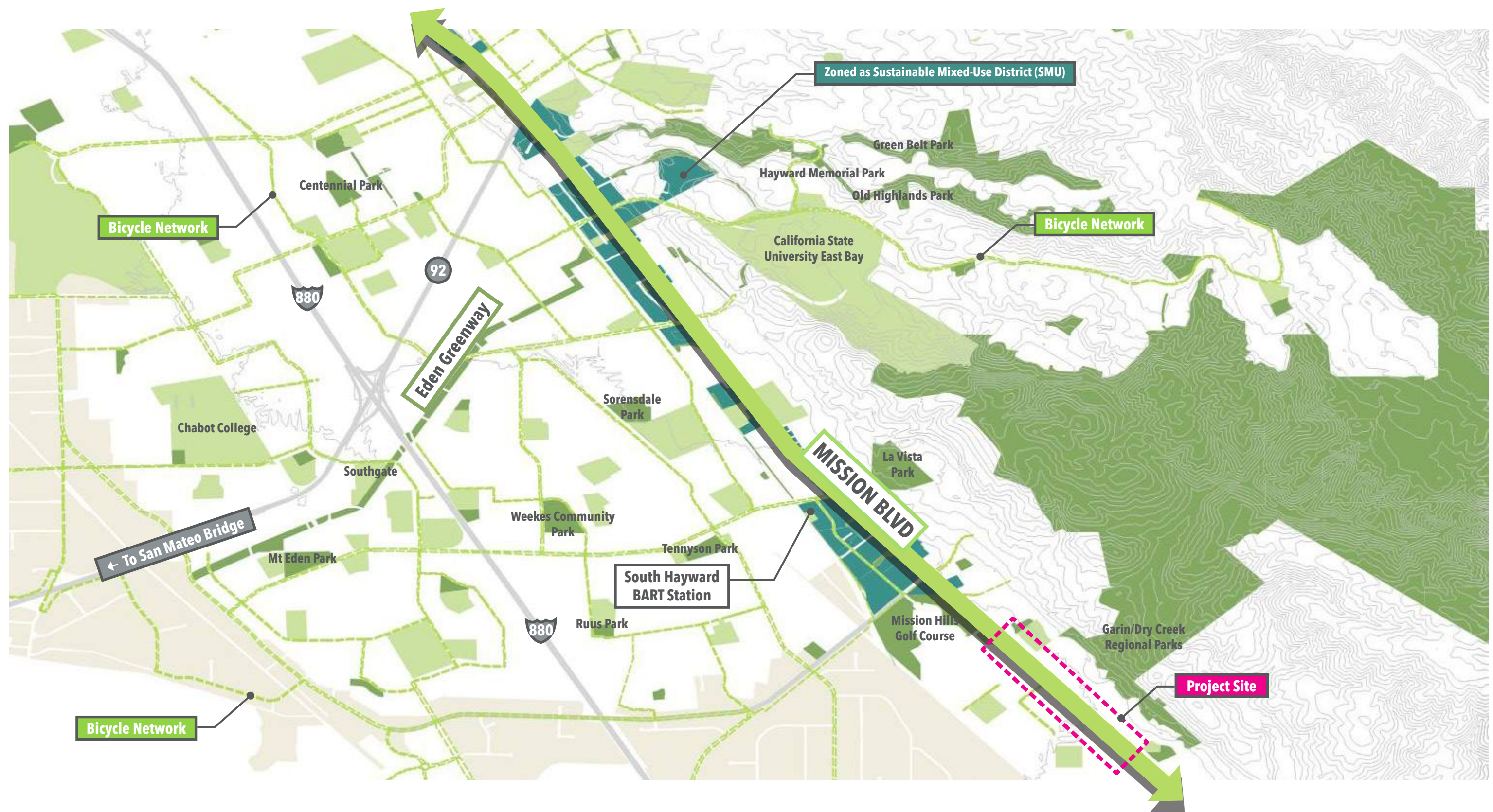
Budget

DESIGN TEAM INTRODUCTION

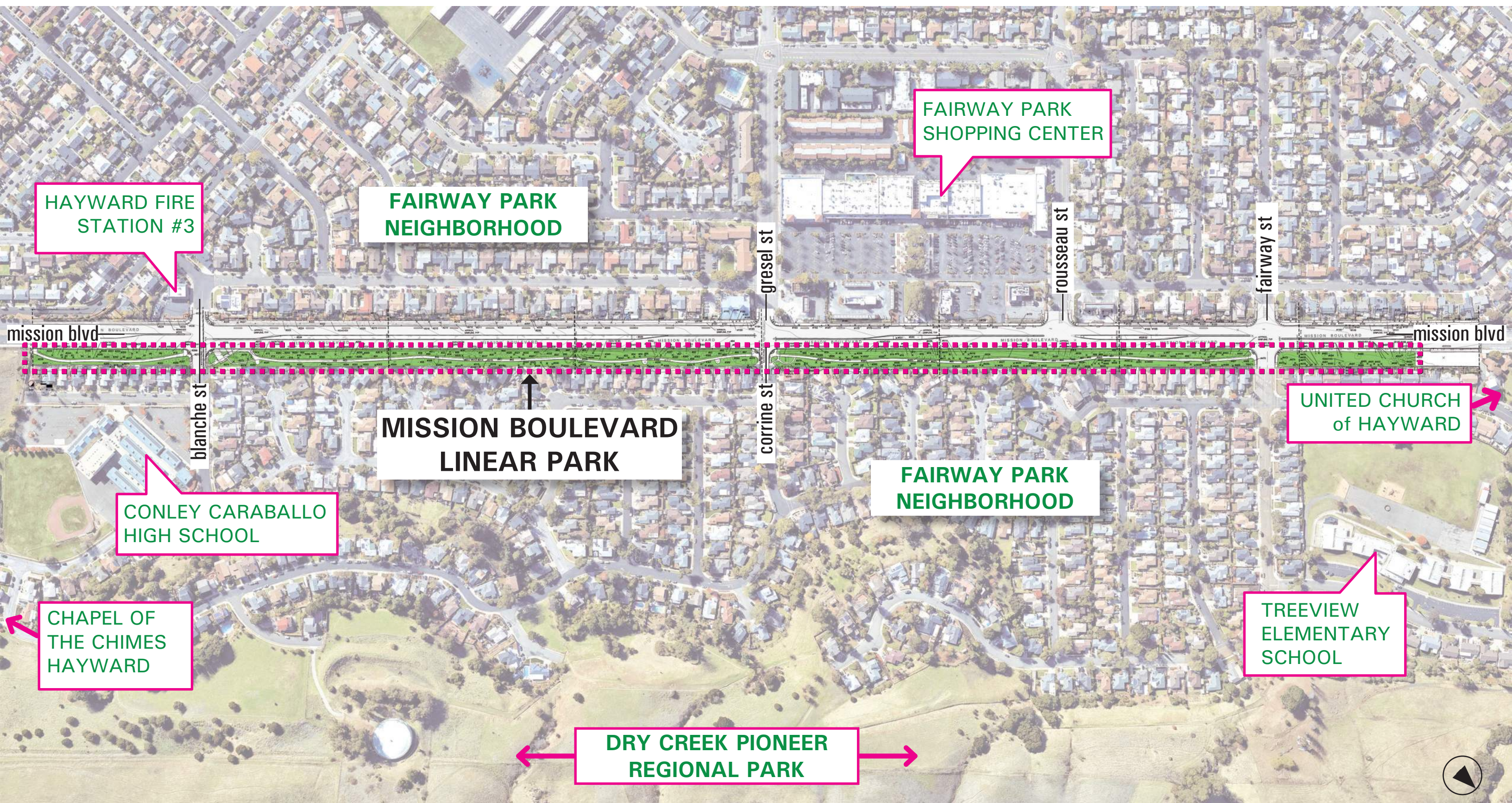


PROJECT INTRODUCTION

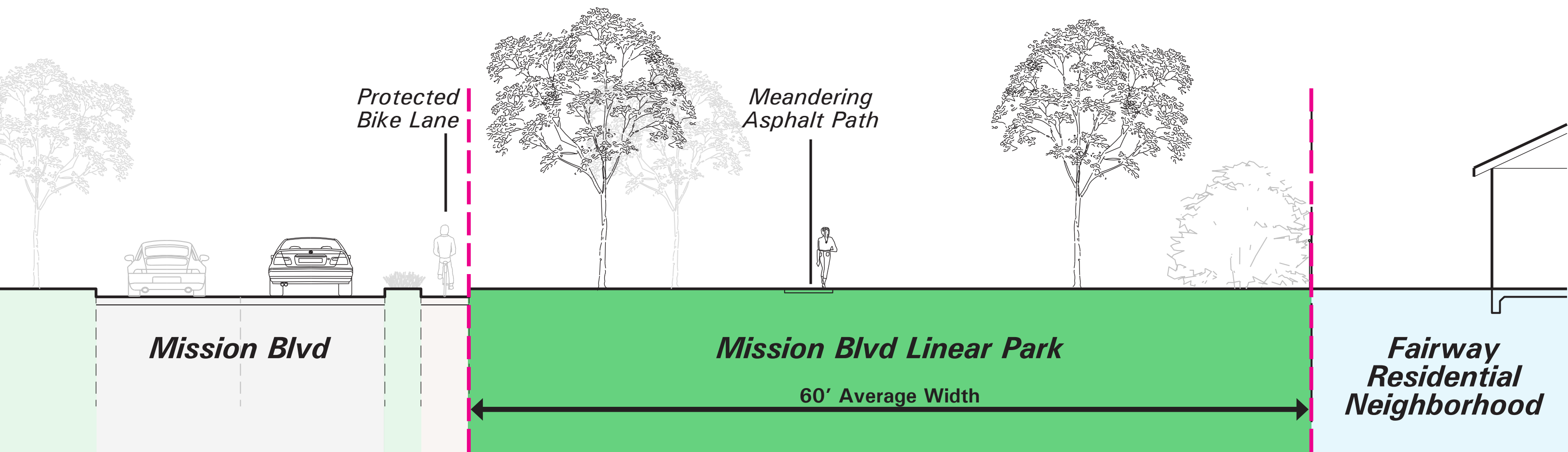
GREEN NETWORK



PROJECT AREA



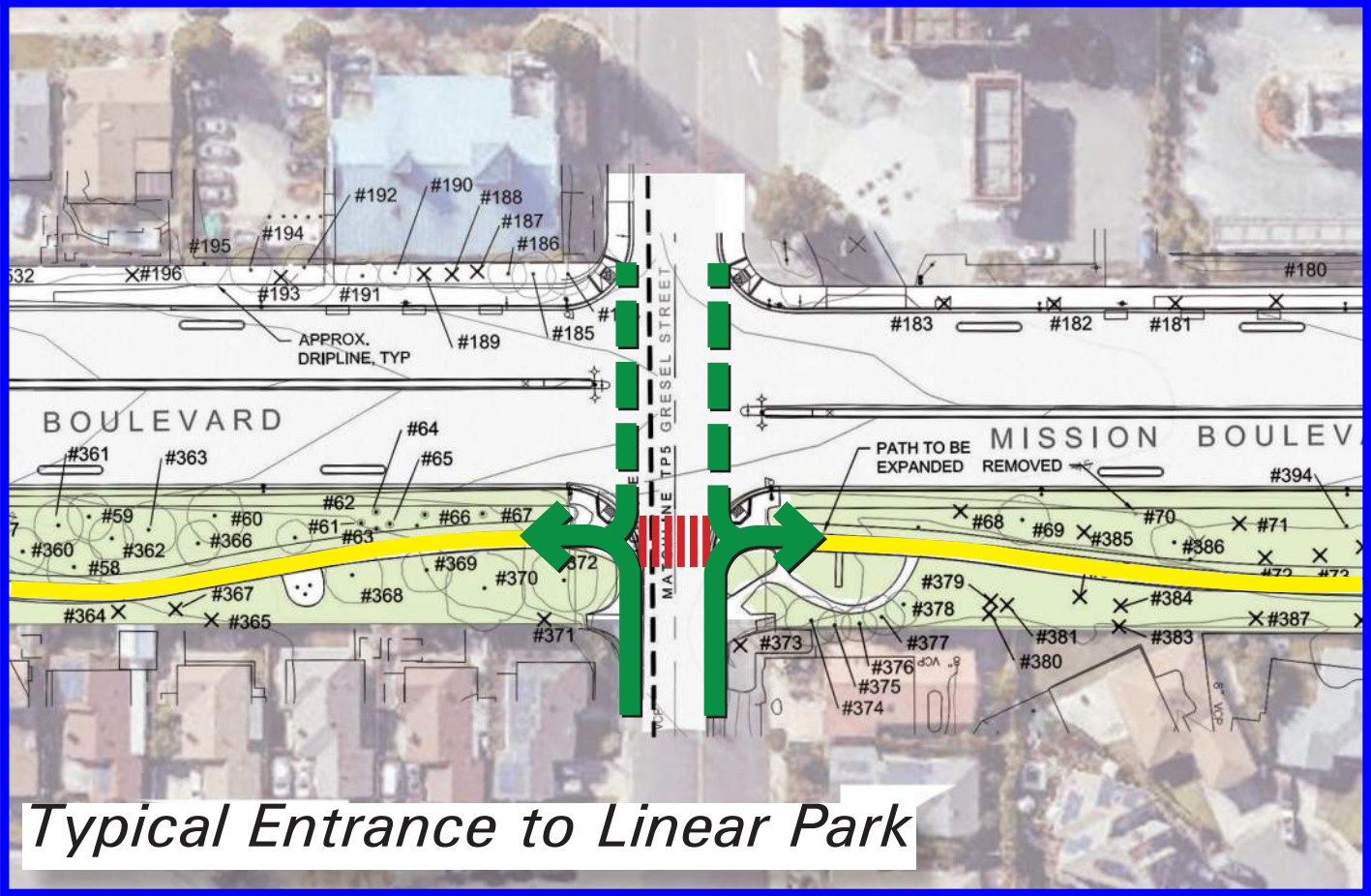
CURRENT PARK



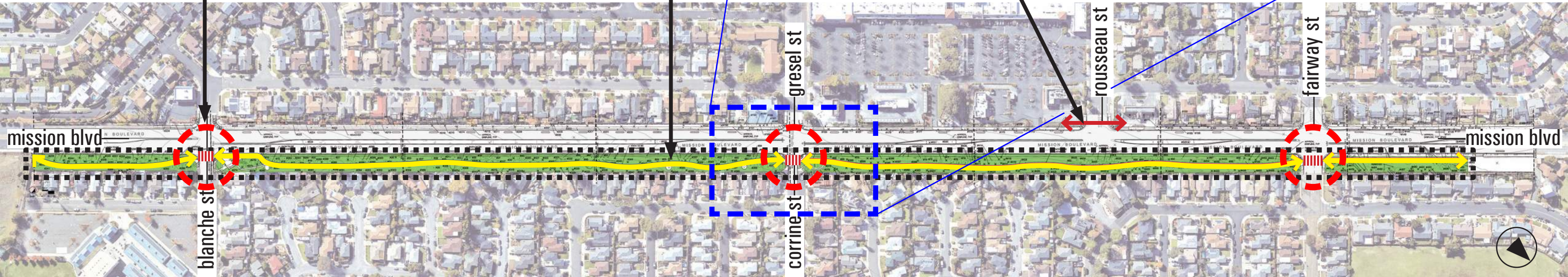
SITE ANALYSIS: EXISTING CIRCULATION

The existing asphalt pathway is approximately 4,855 Linear Feet, or .92 Mile Long

(3) Crosswalks Total



*T-Intersection at Rousseau St;
No Crosswalk Across Mission Blvd*



SITE PHOTOS



Pedestrian Lighting along Asphalt Path

SITE PHOTOS



Phase II Mission Blvd Landscape Improvements



SITE PHOTOS



Exercise Equipment to Remain



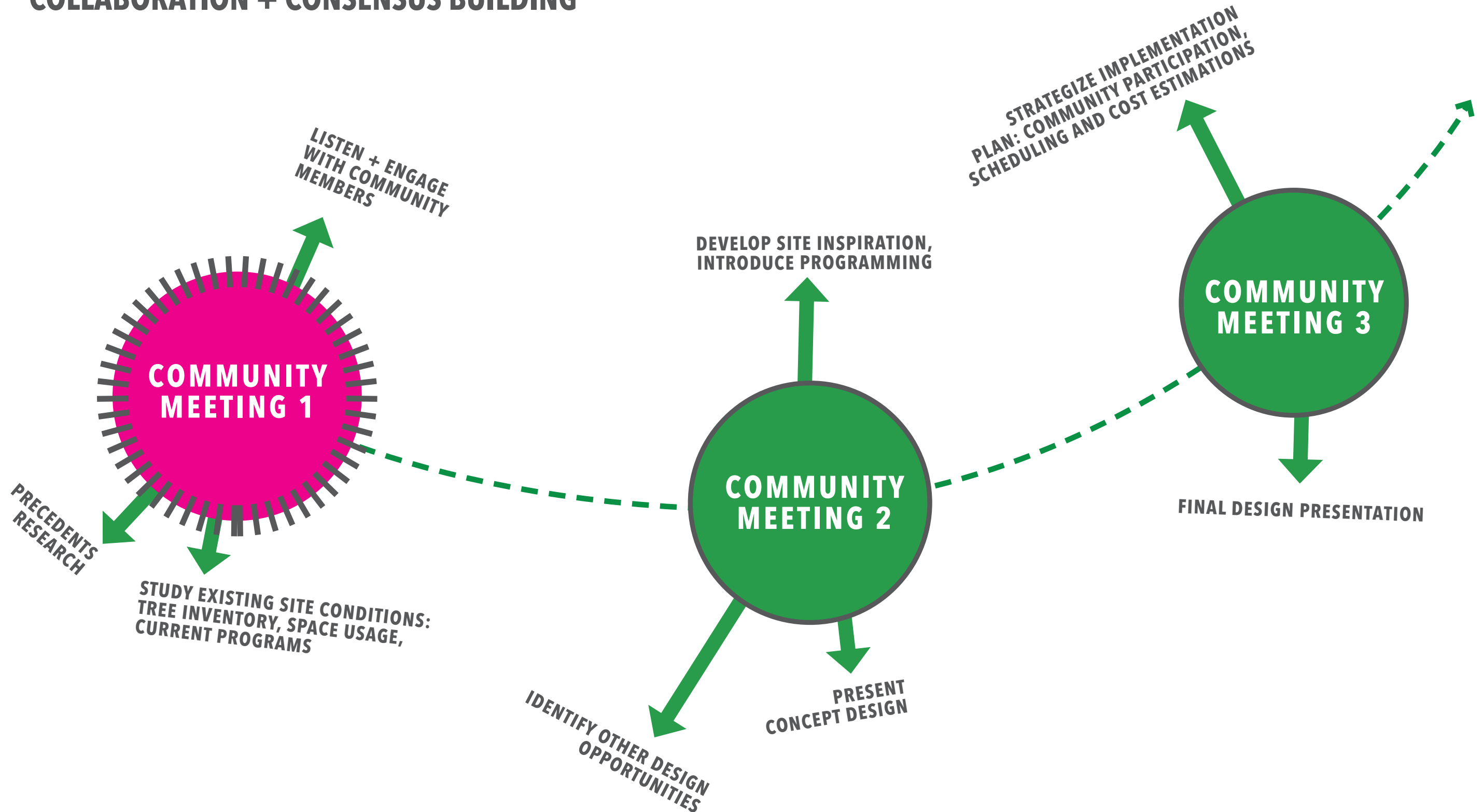
SITE PHOTOS



LISTENING + LEARNING

DESIGN PROCESS

COLLABORATION + CONSENSUS BUILDING



COMMUNITY MEETING 1 PHOTOS



COMMUNITY MEETING 1 FEEDBACK

**MISSION BLVD
LINEAR PARK**

PM clean now

Sound wall? ^{would be great} color

chain link fence - remove?

Ivy/Oleander - remove?

↳ trim bottom

want Nice + maintenance (low)

South end west side

- missing metal fence

Dog stations

BENCHES

more exercise stations

Maintenance

Interim care plan

gophers issues

Cedar

Redwood - ^{same but don't plant more}

- trees that grow large

little water use

Jack-in-the box & sonic

cleaning up keep

NO mow grass

- water once/mo

boulder + vegetation

Narrow strip

n/o farway / church parking

grd cover / rise bushes

Leave park as is - fias on maint.

- NO MORE GRASS
- ROUSSEAU CROSSWALK
- other than asphalt for dogs (dog water)
- Retail Responsibility for garbage
- Benches - also for bus stops.
- Garbage Cans
- Dog Walking + Clean up
- Horses on Pathway
- GENERAL APPEARANCE OF upkeep
- Trimming of trees on fencing
- Commemorative plaques (neighborhood influence)
- 'X' Ivy / Pull weeds / Invasive species
- higher fence - safety / burglar
- more trees (crape myrtle)

- Keep grass - maintain more often
 - Muted colors (no purple or turquoise) for exercise stations
 - Keep mature trees already here - keep them healthy
- This should be a green park lots of Trees, bushes and plants against the fence to help with noise abatement, green grass with benches. Dense Plants for noise abatement
- Absolutely no Palm Trees
- Don't put structures that encourage graffiti
- Keep some greenery, but clean up old overgrown ivy and bushes, Plant trees for shade, abate rodents, address excess light pollution and NOISE ABATE!
- This should be an inviting park.
- Create shade areas
 - No fluorescent colors please
 - Place boulders for a natural look

ADDITIONAL FEEDBACK from ONLINE SURVEY

10. Do you use the existing exercise equipment?

[More Details](#)

Yes	3
No	6
Other	0



8. How do you get to Mission Blvd Linear Park?

[More Details](#)

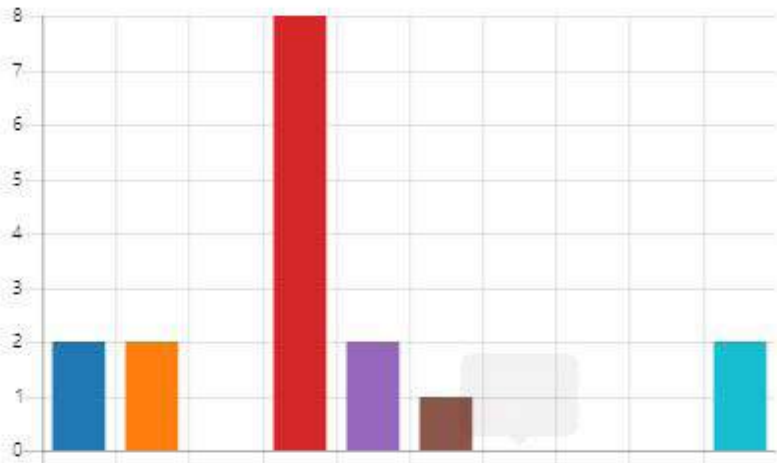
Walking	9
Bike	0
Public Transit	0
Personal Vehicle	0
Rideshare	0
Other	0



9. Which of these activities do you typically do at Mission Blvd Linear Park? (select all that are applicable)

[More Details](#)

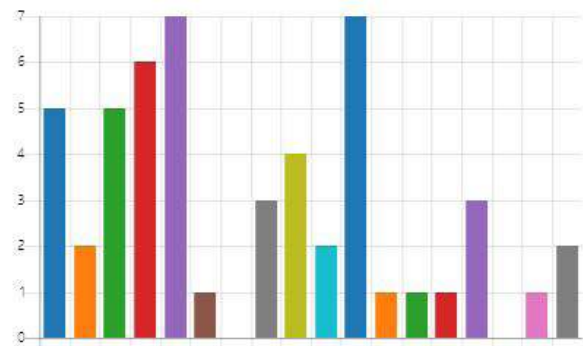
Sitting	2
Running/Jogging	2
Picnicking	0
Walking	8
Using Workout Equipment	2
Stretching	1
Reading	0
Bird Watching	0
Sports Recreation (Soccer, Fris...	0
Other	2



11. Which kind of garden features would you want to see at Mission Blvd Linear Park? (select as many as you want)

[More Details](#)

Additional Seating	5
Picnic Tables	2
Lawn	5
Art	6
Native Plant Garden	7
Play Equipment	1
Outdoor Charging Stations	0
Natural Elements	3
Shade Structure	4
Pollinator Garden	2
More Trees	7
Skate Elements	1
Educational Signage	1
Community Garden	1
Zen Garden	3
Labyrinth	0
Rock Garden	1
Other	2



COMMENT COLLAGE



DESIGN CONCEPT



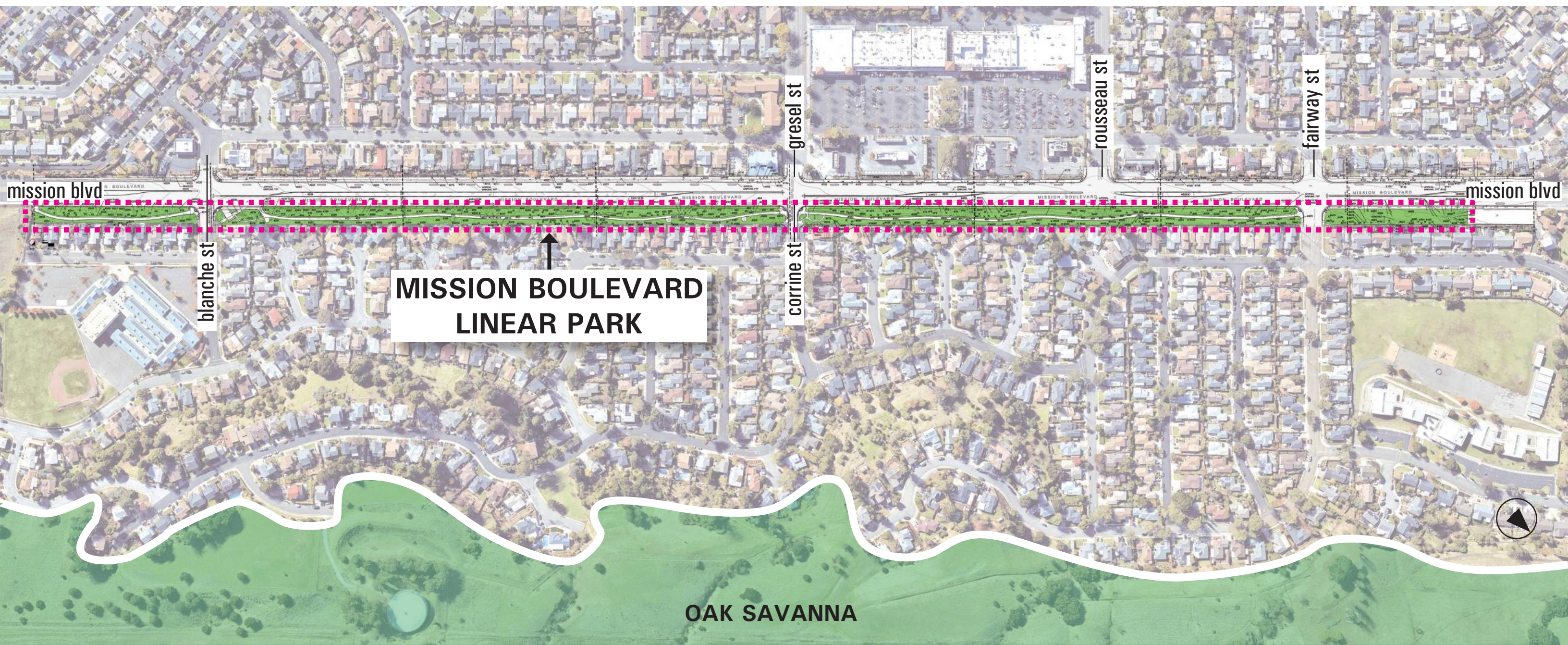








ADJACENT ECOLOGIES



Views of Rolling Hills + Oak Savanna from Mission Blvd Linear Park

BRINGING THE HILLS TO THE PARK

BACKGROUND



MIDGROUND

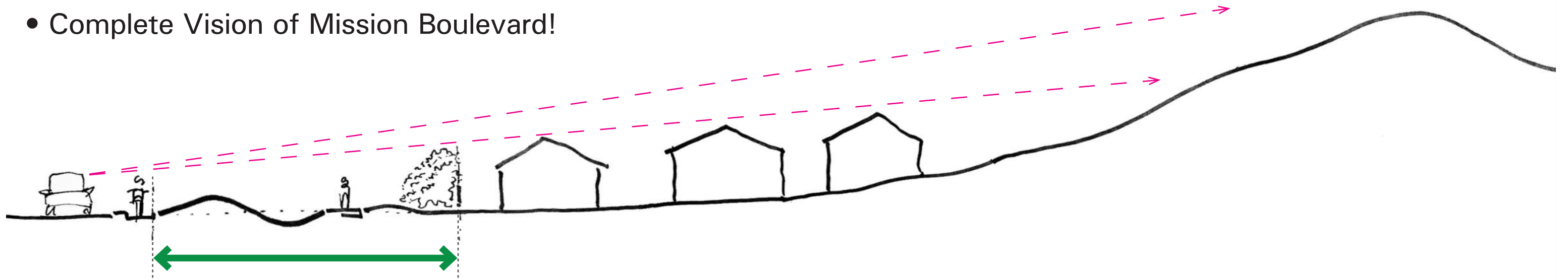


FOREGROUND

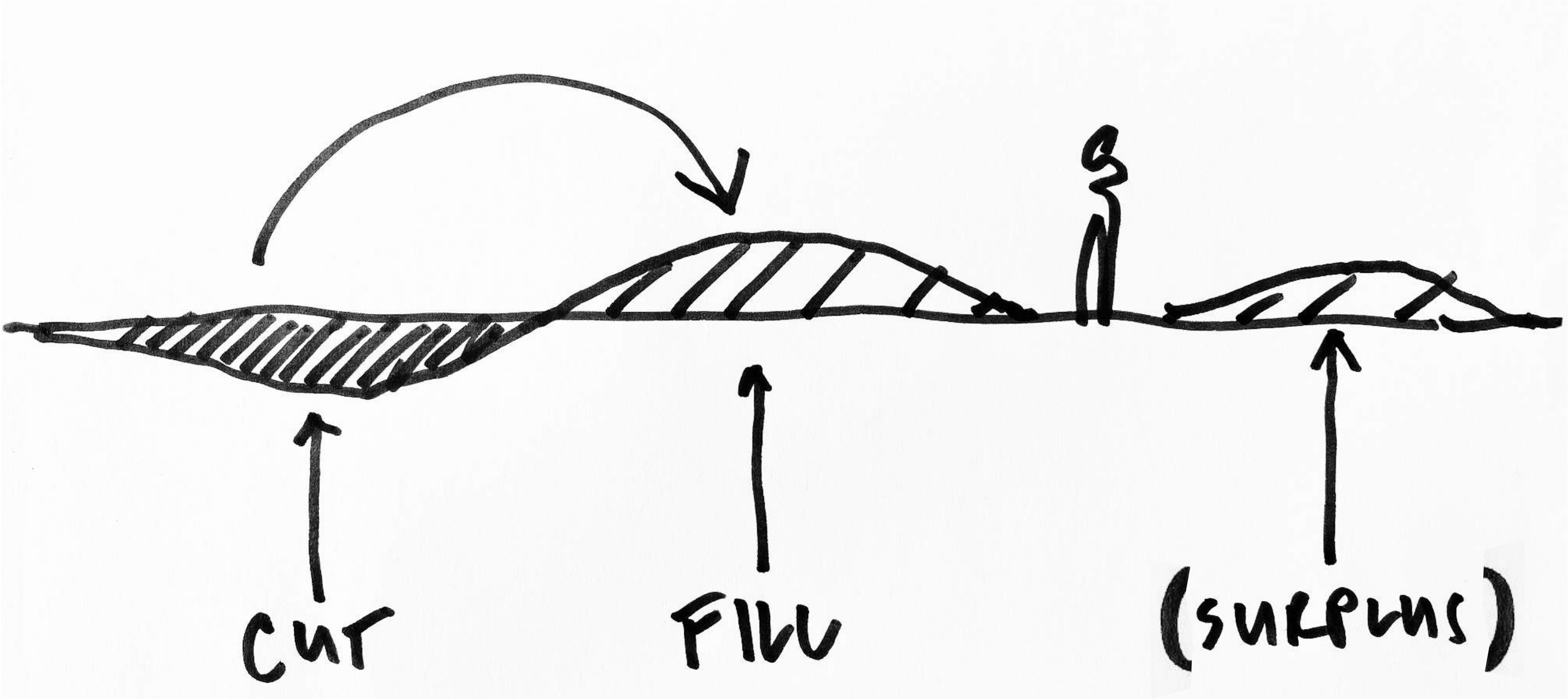


DESIGN STRATEGY

- Shape Earth on Site to Make Larger Link to East Bay Hills and Create 3-Dimensional Interest
- Create Opportunities in the Park Beyond Just Walking
- Change Perception of Being Adjacent Vehicular Boulevard
 - Work with Existing Path, Trees, and Lighting
 - Complete Privacy Hedge along Eastern Edge
 - Provide Safe and Clean Amenity for Community that is Easily Maintained
- Reuse Materials to Create Site Elements, Objects of Interest and Education
- Reuse Materials to Promote Upcycling/Recology to Ease Construction Costs
- Complete Vision of Mission Boulevard!



ABSTRACTING HILLS - GRADING STRATEGY



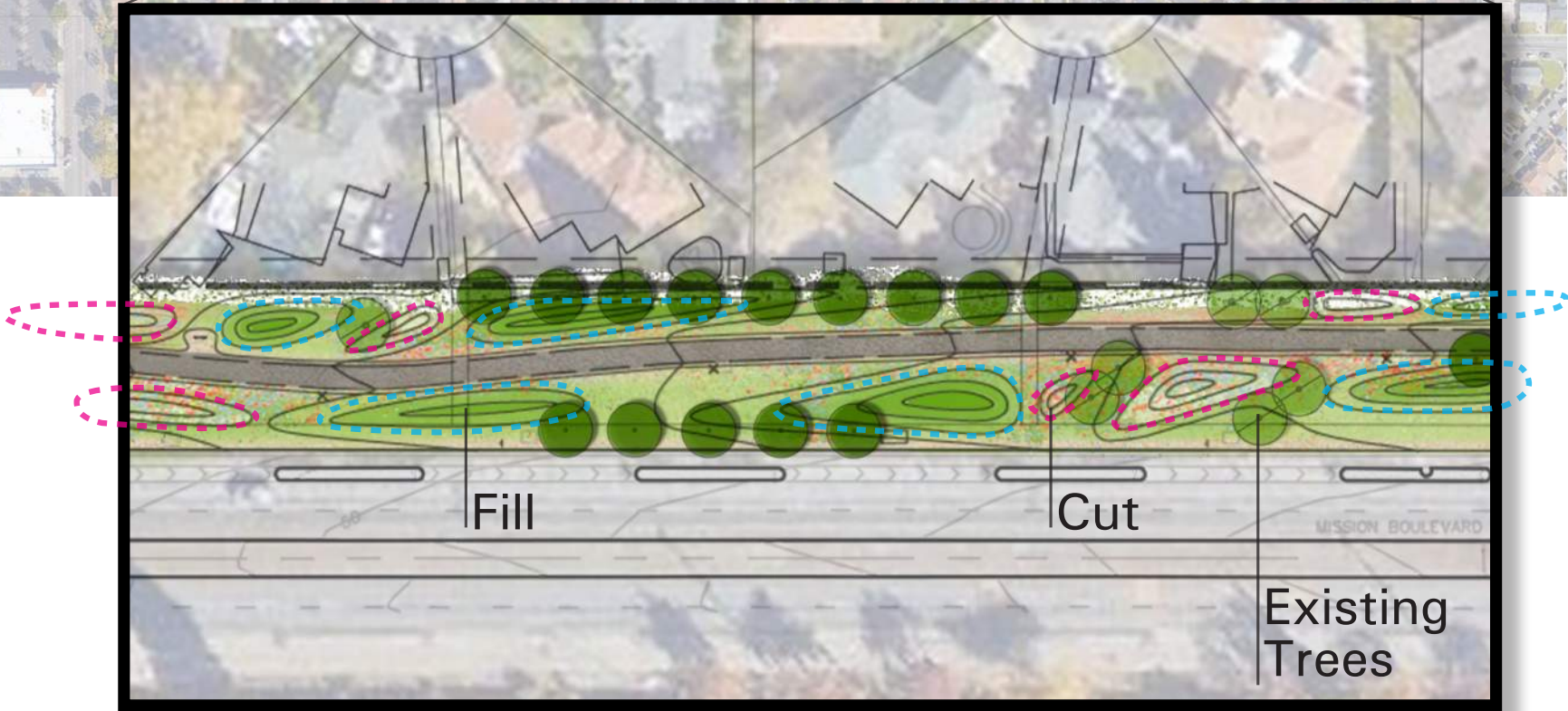
TOPOGRAPHY



Cut

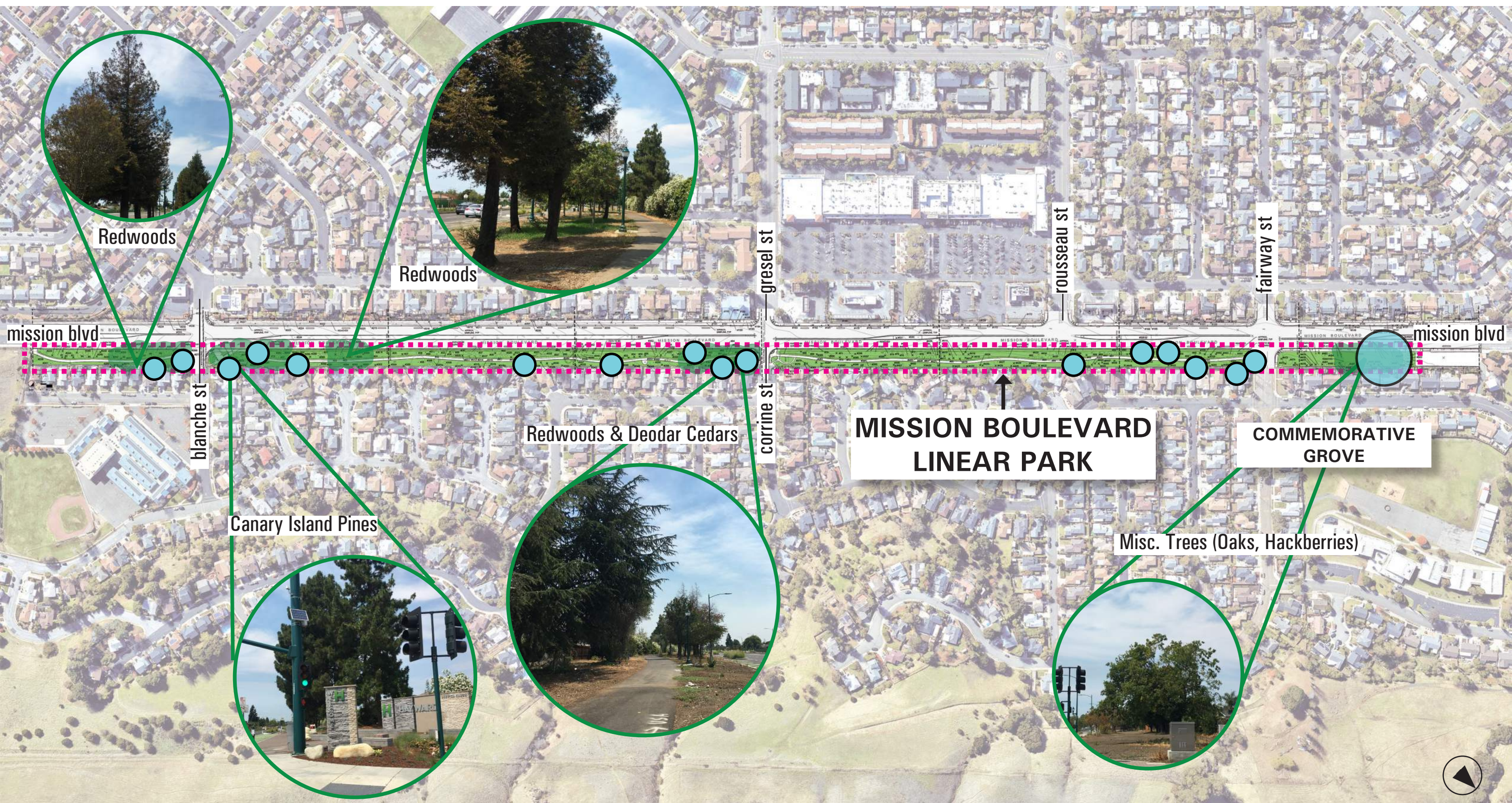


Fill



Plan Enlargement

EXISTING SHADE GROVES & MEMORIAL TREES

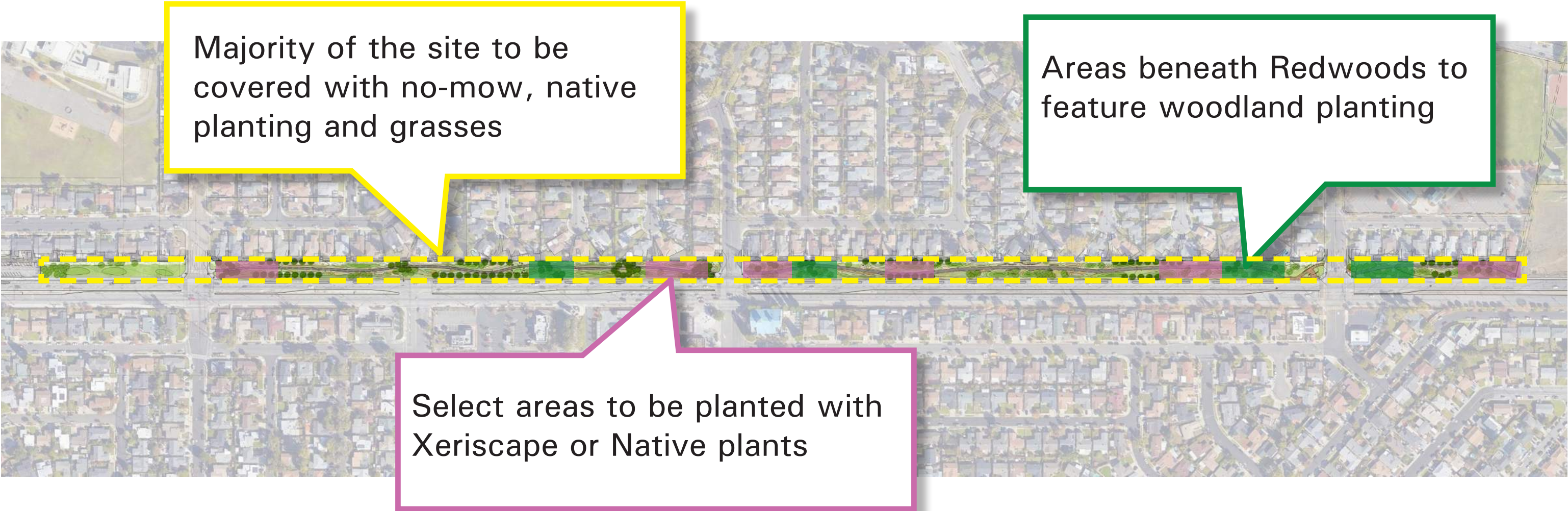


EDITING EXISTING TREES

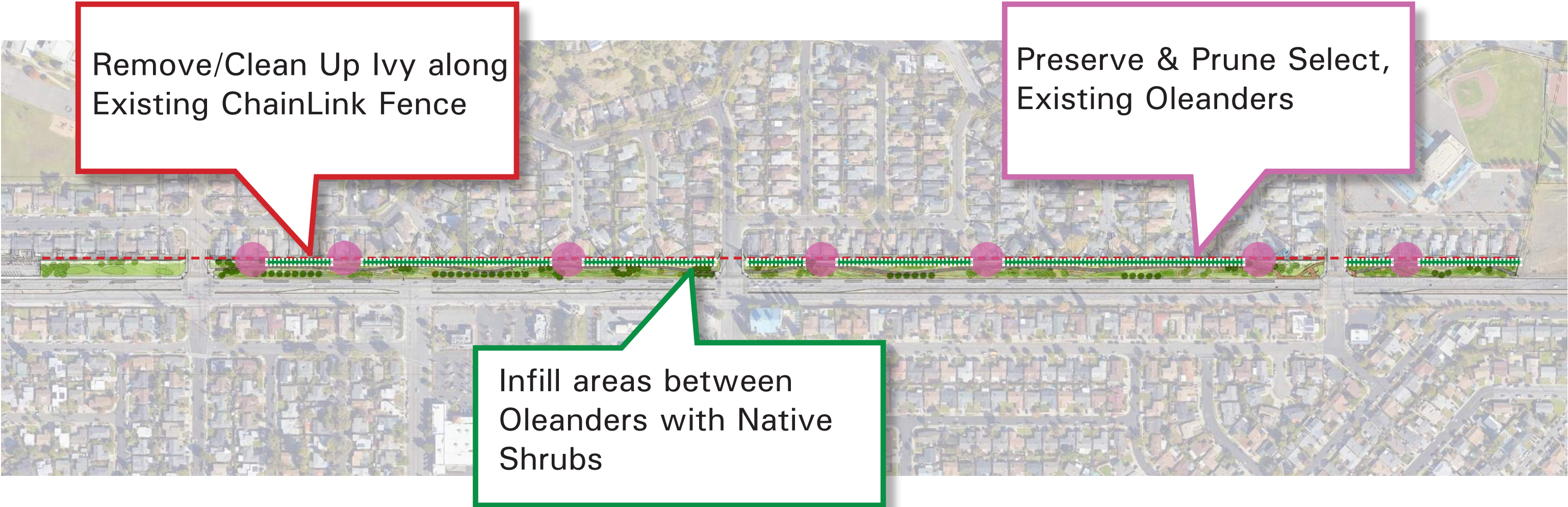
SELECTIVE REMOVAL OF
DEAD OR STRUGGLING
TREES



VEGETATION

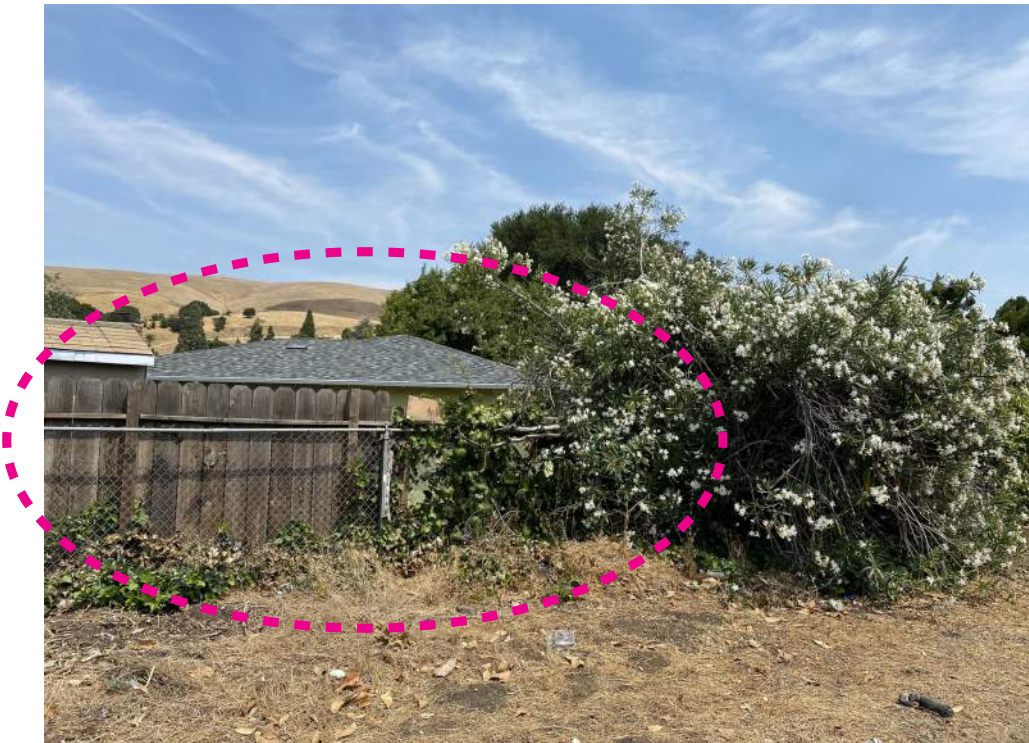


CLOUD HEDGE



VEGETATION

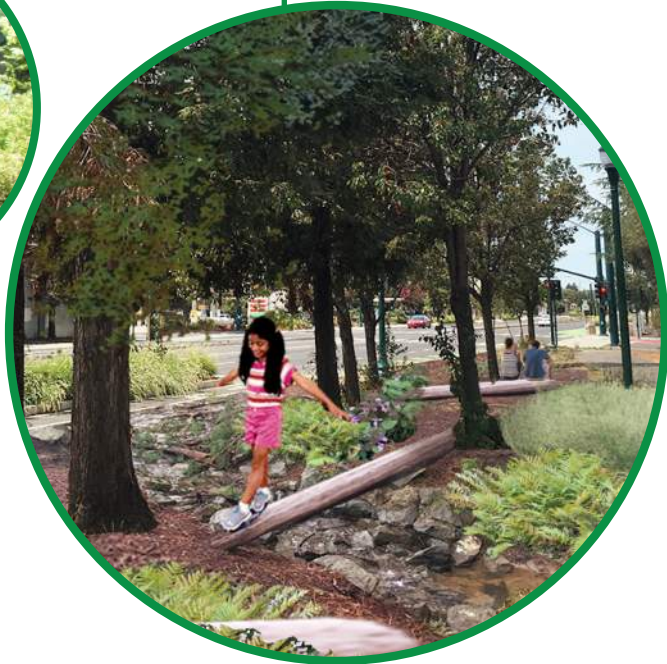
AFTER: *Infill Gaps with Native Planting, and Limb-Up Oleanders*



BEFORE: *Gaps in Property Line Privacy Hedge*



MOMENTS + PROGRAM



SALVAGE + ARTIFACT

Saw Cut Concrete Slab



Existing Concrete Steps, Stained + Sealed



SALVAGE + ARTIFACT

Broken Concrete Walls and Planting Beds



SALVAGE + ARTIFACT

Fallen Trees, Hewn and Placed as Play Elements



SALVAGE + ARTIFACT

Found Objects



ART CROSSWALKS



CONSTRUCTION BUDGET

PROJECT BUDGET

Park Construction	\$2,000,000
Park Construction Contingency	\$200,000
Park Design	\$400,000
Construction Admin / Inspection / Testing	\$200,000
Overall Budget:	\$2,800,000

FUNDING SOURCE: Route 238 Corridor Improvement Fund \$2,813,000

PROJECT AREA

Park Area (minus pathway):
231,841 Sq Ft



Park Construction

\$2,000,000

Park Area Cost/Sq Ft.

\$8.64 / Sq Ft.

CONCEPTUAL COST RANGE

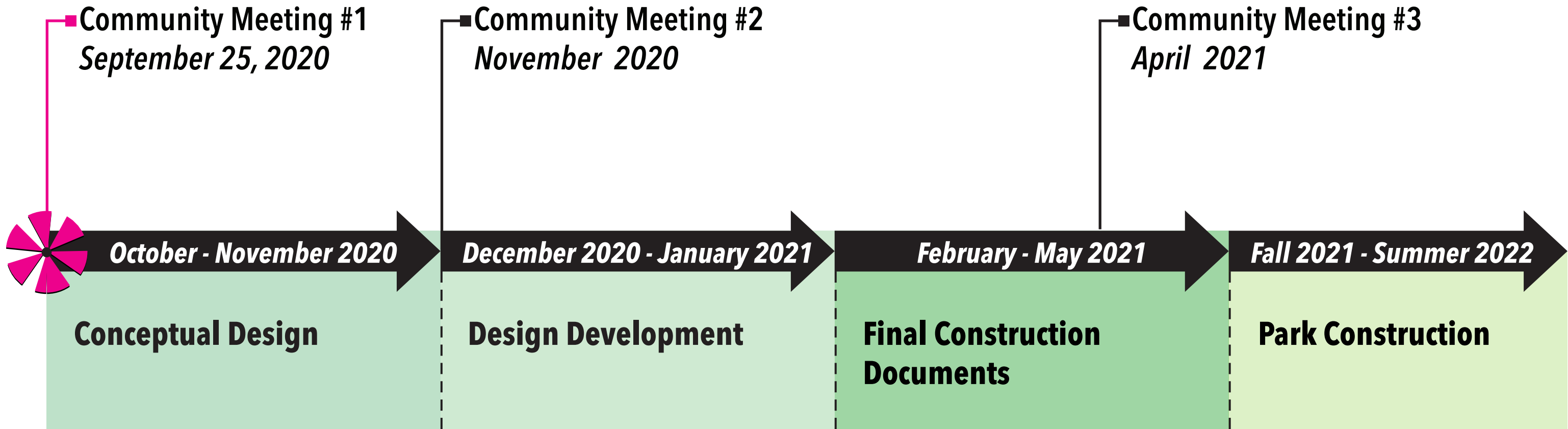
Park Construction (\$8.64 / Sq Ft.)

Average Construction Costs

Hardscape / Grading		Softscape / Irrigation		Site Furnishings	
Earthworks:	\$3.75 / Cu Yd	Hydroseeding:	\$.55 / Sq Ft.	Interpretive Signage:	\$3,000-4,500 / Ea.
Gravel:	\$7.50 / Sq Ft.	Irrigation:	\$2.00 / Sq Ft	Benches:	\$2,500-5,000 / Ea.
Mulch:	\$7.50 / Sq Ft.	No-Mow Sod:	\$7.50 / Sq Ft.	Dog Stations:	\$1,500-2,300 / Ea.
\$8.64 / Sq Ft.				Trash Cans:	\$1,200-1,700 / Ea.
Asphalt	\$22.00 / Sq Ft.	1 Gal. Plants @ 2' On Center:	\$33.75 / Sq Ft.	Additional Exercise Equipment:	\$3,500-4,500 / Ea.
Concrete	\$26.00 / Sq Ft.	5 Gal. Hedge Plants @ 7' On Center:	\$61.50 / Sq Ft.	Boulders:	\$450-600 / Ea.
Art Crosswalks	\$45.00 / Sq Ft	Soil for Planting (12" Profile):	\$25.00 / Sq Ft.		
		24" Box Trees:	\$500-700 / Ea.		

Increased Funding would Go Towards Planting, Trees, Art Crosswalks, and Site Furnishings

PROJECT TIMELINE



Next Steps...

- **CIC Recommendations for Design Strategy**
- **Confirmation of Design Strategy and Material Reuse**
- **Guidance for Developing Conceptual Design for Next Community Meeting**



Thank you!



Council Infrastructure Committee Meeting

Main Street Complete Streets Update

10/28/20

Public Works Department



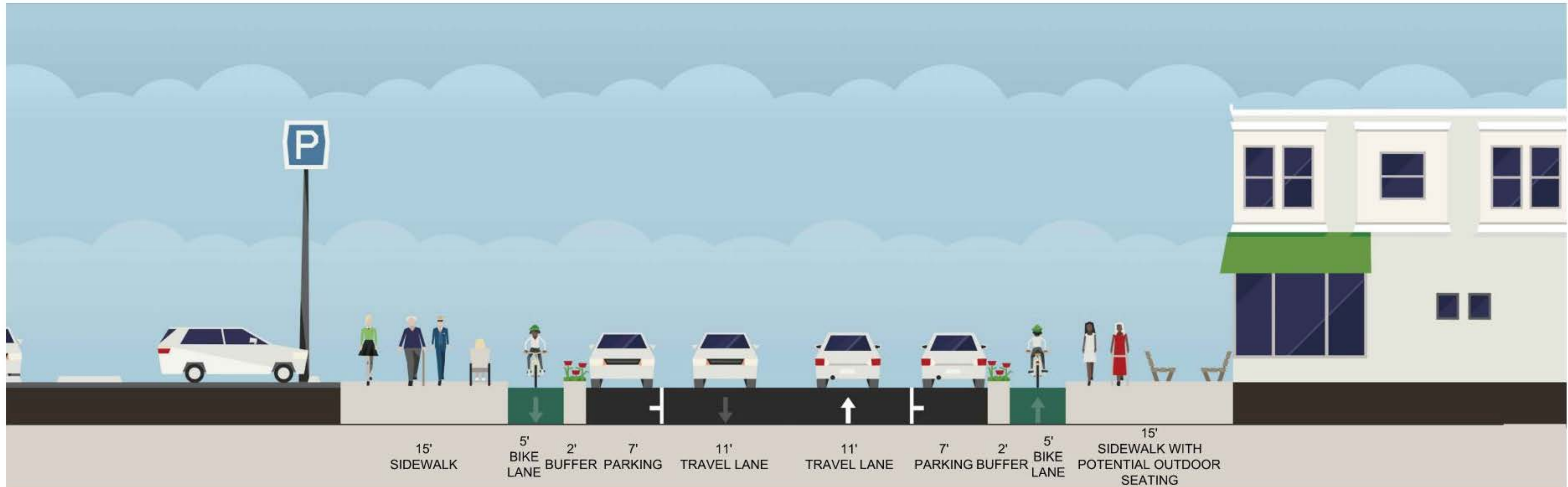
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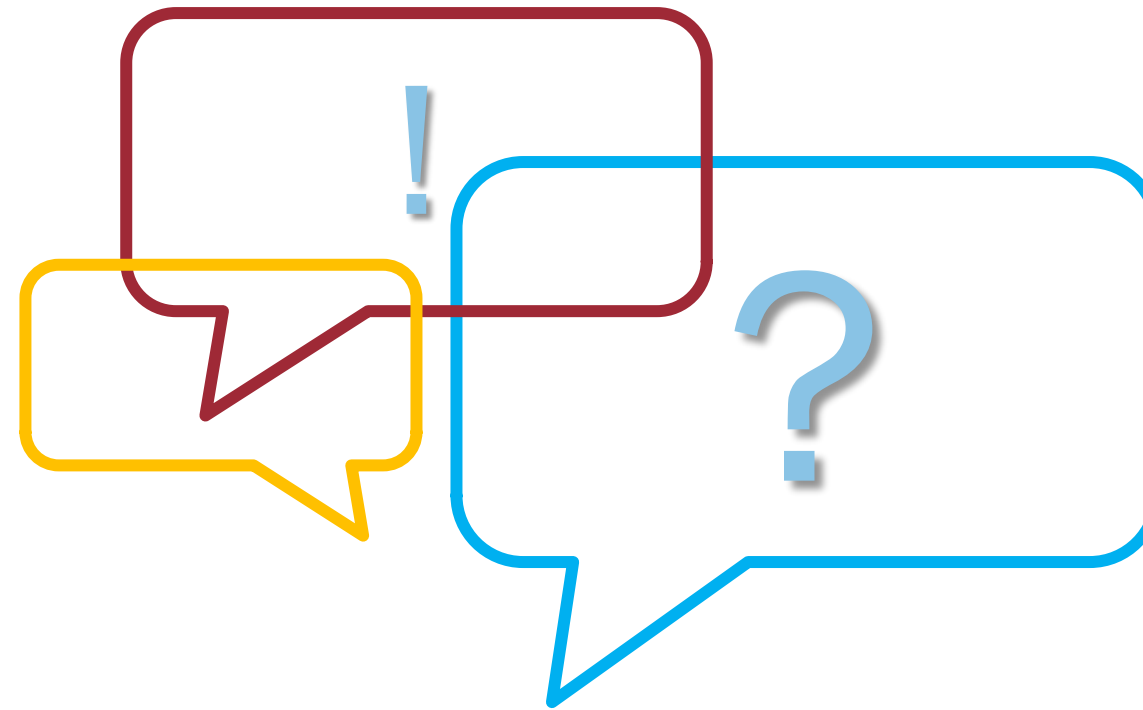
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Main Street Complete Streets – CIC Meeting



Questions & Discussion