

COUNTY OF SAN MATEO



Reconstruction of Vine Street

**(Oak Avenue to the County/City of Menlo Park
Boundary near northwest of Leland Avenue)**

January 11, 2023

County of San Mateo
Department of Public Works

COUNTY OF SAN MATEO



Agenda

- West Menlo Park Area Road Improvement Standards and Priority List
- Project Description
- Property Owner Survey
- Design Issues and Considerations
- Project Funding
- Coordination with City of Menlo Park and Utilities
- Proposed Process and Timeline
- Questions, Comments, and Input

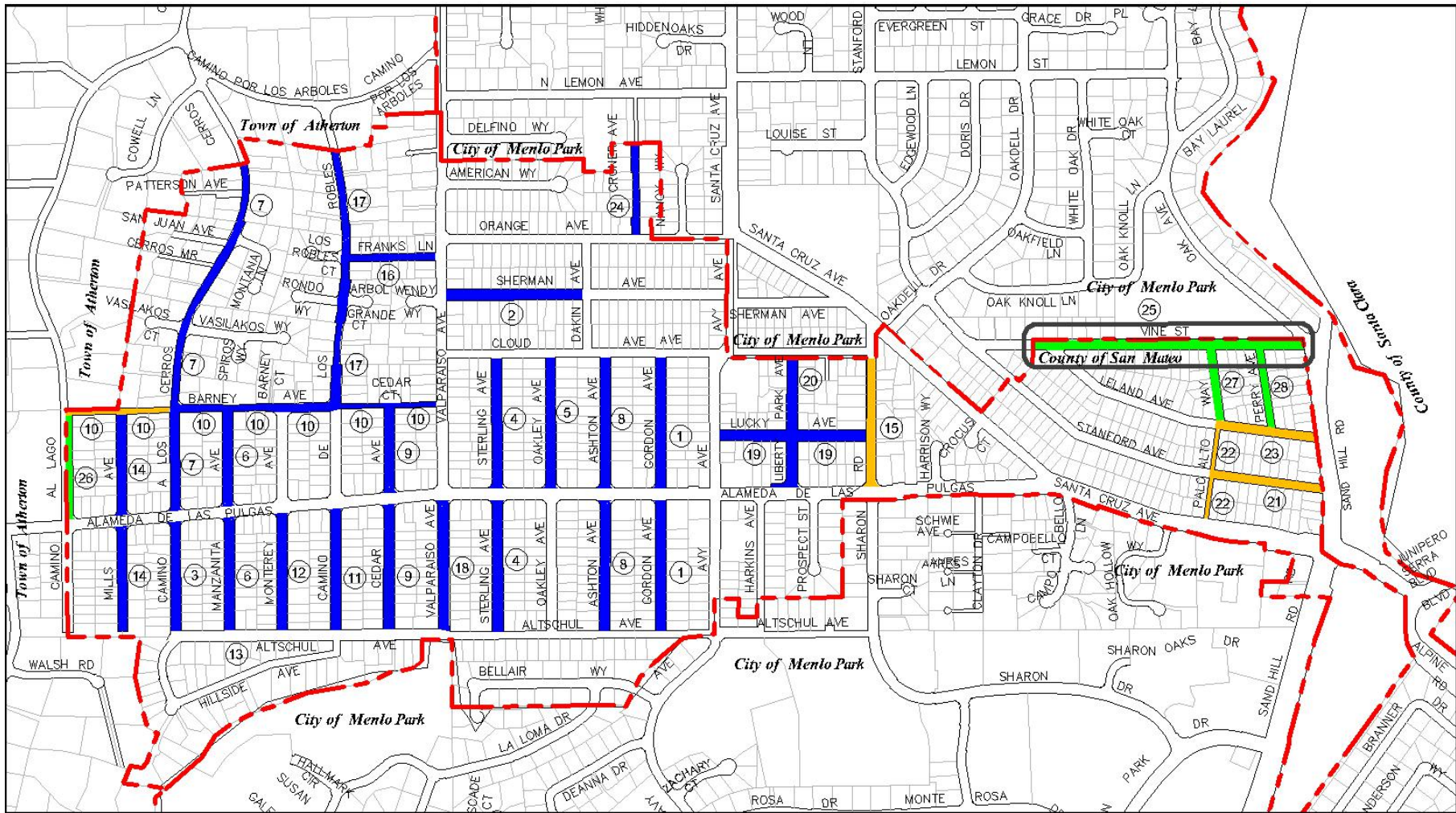


West Menlo Park Area Road Improvement Standards and Priority List






- **1996** - Began development of Road Standards and Improvement Priority List
 - Property owner surveys on unimproved streets and public meeting
- **1997** - Board of Supervisors (Board) adopted Road Standards and Priority List
- **1999 & 2003** – Board adopted modified Road Standards and procedures for determining Road Standards to be used

West Menlo Park Area Priority List

Priority No	Street Name	From	To
1	Gordon Avenue	Altschul Avenue	Cloud Avenue
2	Sherman Avenue	Valparaiso Avenue	Dakin Avenue
3	Camino a los Cerros	Altschul Avenue	Alameda De Las Pulgas
4	Sterling Avenue	Altschul Avenue	Cloud Avenue
5	Oakley Avenue	Cloud Avenue	Alameda De Las Pulgas
6	Manzanita Avenue	Altschul Avenue	Barney Avenue
7	Camino a los Cerros	Alameda De Las Pulgas	(past) Patterson Avenue
8	Ashton Avenue	Altschul Avenue	Cloud Avenue
9	Cedar Avenue	Altschul Avenue	Barney Avenue
10	Barney Avenue	Valparaiso Avenue	Camino al Lago
11	Camino De Los Robles	Altschul Avenue	Alameda De Las Pulgas
12	Monterey Avenue	Altschul Avenue	Alameda De Las Pulgas
13	Altschul Avenue	Camino De Los Robles	Camino a Los Cerros
14	Mills Avenue	Barney Avenue	End
15	Sharon Road	Alameda De Las Pulgas	Cloud Avenue
16	Franks Lane	Camino De Los Robles	Valparaiso Avenue
17	Camino De Los Robles	Barney Avenue	Camino Por Los Arboles
18	Valparaiso Avenue	Altschul Avenue	Alameda De Las Pulgas
19	Lucky Avenue	Liberty Park Avenue	Sharon Road
20	Liberty Park Avenue	Alameda De Las Pulgas	Cloud Avenue
21	Stanford Avenue	Palo Alto Way	Sand Hill Road
22	Palo Alto Way	Leland Avenue	Santa Cruz Avenue
23	Leland Avenue	Palo Alto Way	Sand Hill Road
24	Croner Avenue	Orange Avenue	Unincorporated Limits
25	Vine Street	Leland Avenue	Oak Avenue
26	Camino al Lago	Alameda De Las Pulgas	Barney Avenue
27	Palo Alto Way	Vine Street	Leland Avenue
28	Perry Avenue	Vine Street	Leland Avenue



LEGEND

-  COUNTY / CITY LIMITS
-  ROAD COMPLETED
-  REMAINING ON ROAD LIST
-  PROPERTY OWNERS VOTED "NO" TO IMPROVEMENTS
-  # PRIORITY LIST NUMBER

Project Description

Vine Street

**(Oak Avenue to the County/City of Menlo
Park Boundary near northwest of Leland
Avenue)**



Project Description

Road Standards and Options

- Vine Street From Oak Avenue to County/City Boundary near Leland Avenue

Option 1 – Do nothing. Maintain as is.

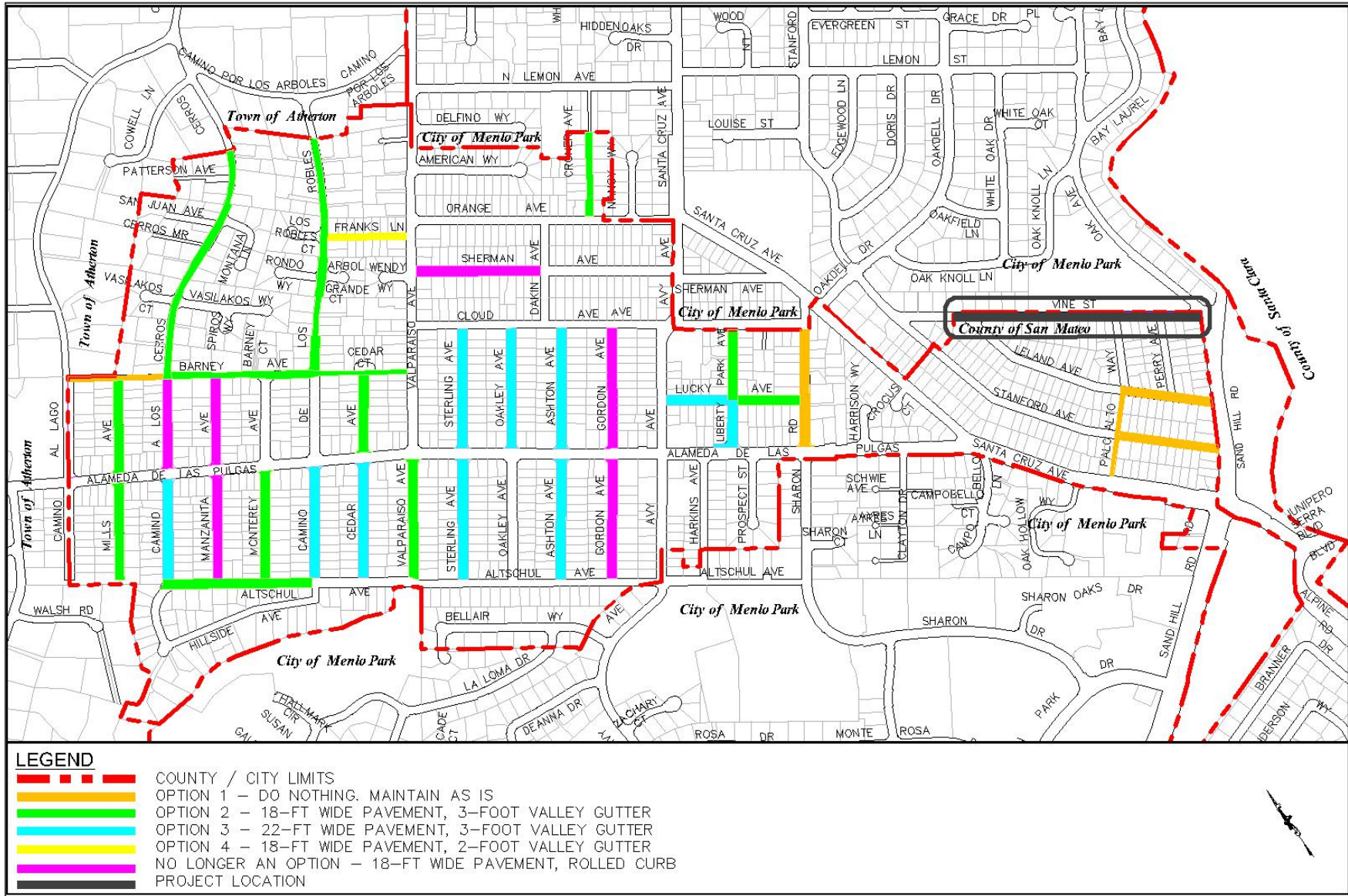
Option 2 – Reconstruct road with 18 feet of pavement with 3-foot wide valley gutters.

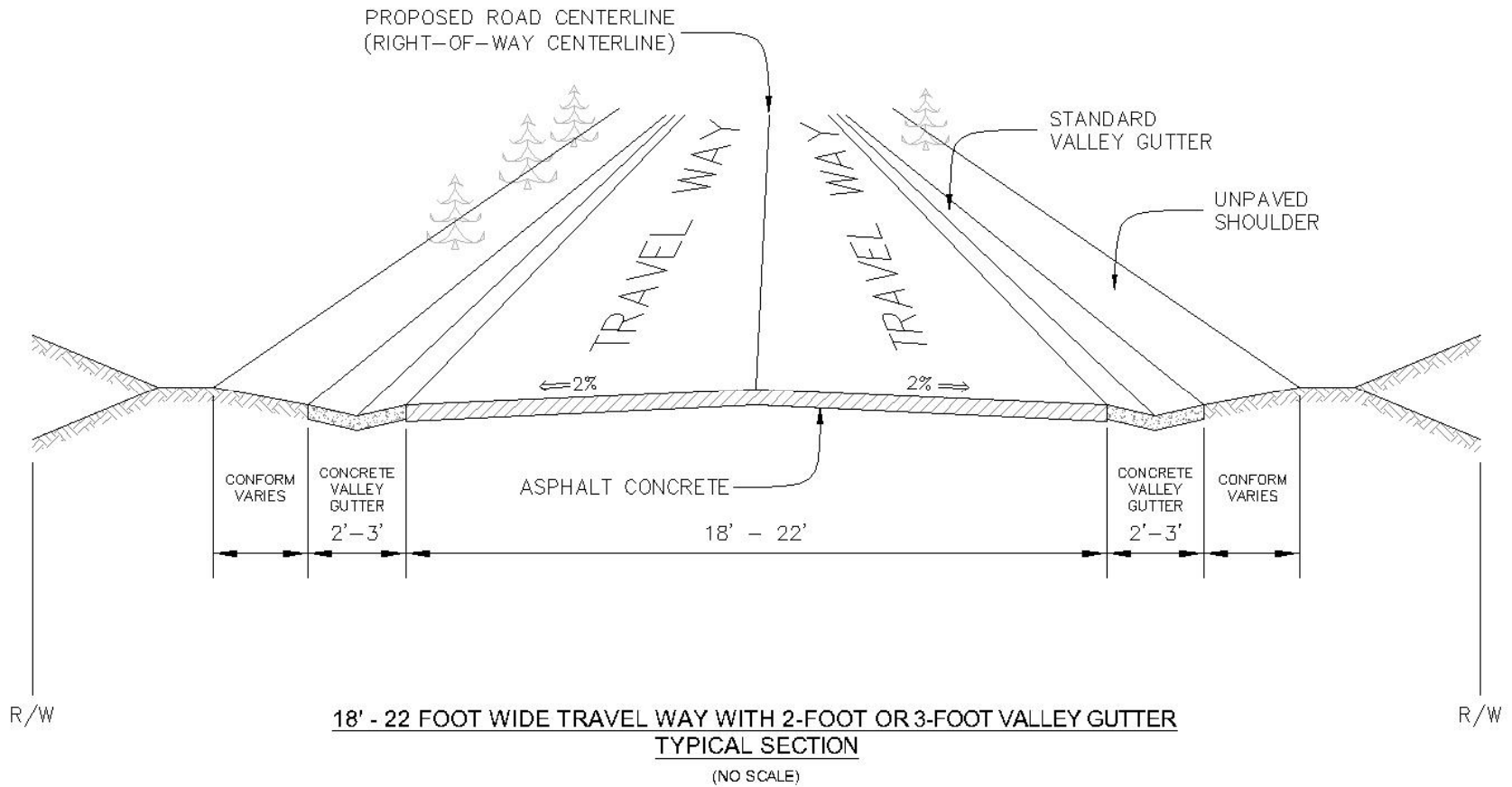
Option 3 – Reconstruct road with 22 feet of pavement with 3-foot wide valley gutters.

Option 4 – Reconstruct road with 18 feet of pavement with 2-foot wide valley gutters.

- Based on the Board's policy the improvements will be centered in the road right-of-way unless the road must be moved to avoid trees or other major encroachments in the road right-of-way.

Sample of Construction Options





West Menlo Park Area Road Standard

**VINE STREET (OPTION 1)
[OAK AVENUE TO COUNTY/CITY BOUNDARY]
OPTION 1 – DO NOTHING, MAINTAIN AS IS
(Pictorial Not Illustrated To Scale)**

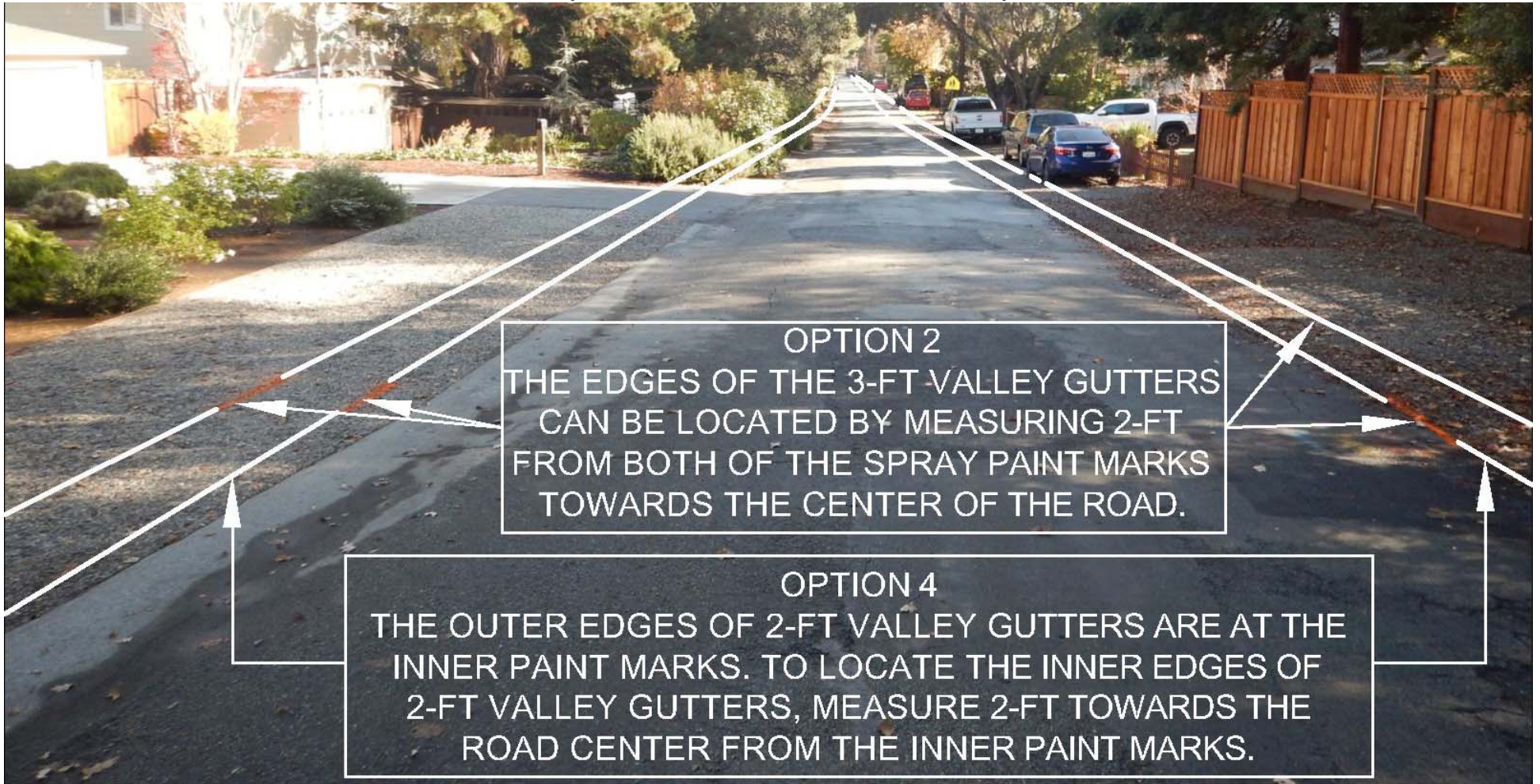


VINE STREET (OPTIONS 2 AND 4) [OAK AVENUE TO COUNTY/CITY BOUNDARY]

OPTION 2 - RECONSTRUCT ROAD WITH 18-FOOT WIDE PAVEMENT WITH 3-FOOT WIDE VALLEY GUTTERS

OPTION 4 - RECONSTRUCT ROAD WITH 18-FOOT WIDE PAVEMENT WITH 2-FOOT WIDE VALLEY GUTTERS

(Pictorial Not Illustrated To Scale)



**VINE STREET (OPTION 3)
[OAK AVENUE TO COUNTY/CITY BOUNDARY]**

**OPTION 3 - RECONSTRUCT ROAD WITH 22-FOOT WIDE PAVEMENT WITH 3-FOOT WIDE VALLEY GUTTERS
(Pictorial Not Illustrated To Scale)**



Property Owner Survey

Vine Street

(from Oak Avenue to County/City Boundary near Leland Avenue)

Assessors Parcel Number (APN) located on top portion of mailing label on the envelope:

— — — - — — — - — — —

Your input is very important to us. Please take the time to fill out the form and mail it to us by **Friday, January 27, 2023**. **Street improvements will not be constructed unless at least fifty percent (50%) of all the property owners on a given block (based on front footage) indicate that improvements are desired.**

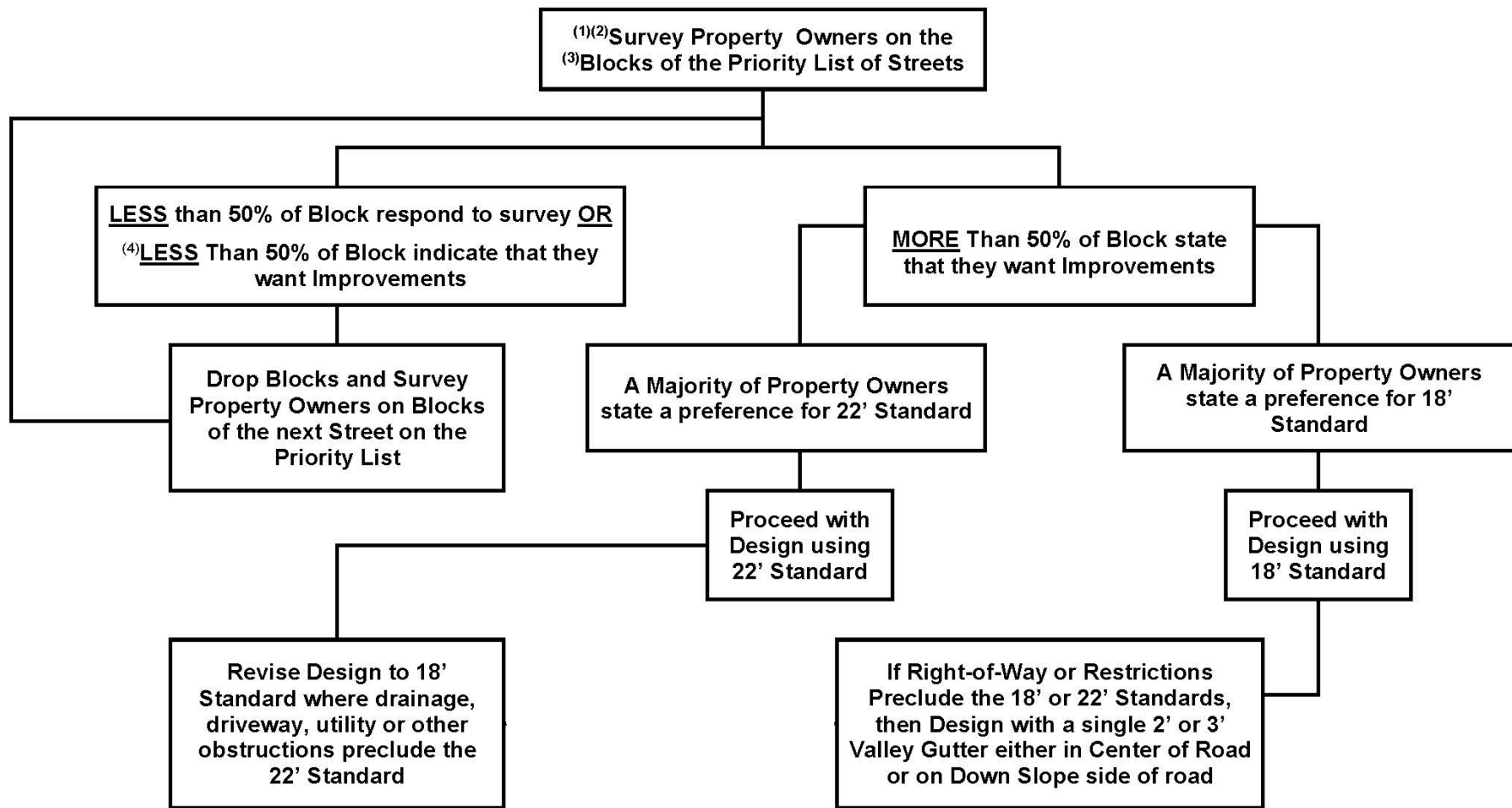
The following should be the minimum standard used for reconstructing the street adjacent to my property. (Please check only one):

- Option 1** – Do nothing. Maintain as is.
- Option 2** – Reconstruct road with 18 feet of pavement with 3-foot wide valley gutters.
- Option 3** – Reconstruct road with 22 feet of pavement with 3-foot wide valley gutters.
- Option 4** – Reconstruct road with 18 feet of pavement with 2-foot wide valley gutters.

Note:

Should at least fifty percent (50%) of all the property owners on a given block vote for improvements, the option that receives the majority of the vote (based on front footage of all the property owners) will be constructed.

WEST MENLO PARK DESIGN DECISION TREE



NOTES:

- (1) Survey results will be weighted based on the front footage of all property owners on the block.
- (2) Property Owners surveyed will be ALL property owners *with front footage along the Block*, regardless of address.
- (3) A Block is the length of the road between cross-streets.
- (4) Property Owners who vote "No" AND who do NOT respond will be included in this category.
- (5) Only Property Owners within the unincorporated area of San Mateo County will be allowed to vote.

Design Issues and Considerations

Vine Street From Oak Avenue to County/City Boundary near Leland Avenue

- Some driveways might become steeper than the existing driveways (20% maximum slope per County standard)
- Existing drainage features not aligned with proposed valley gutters
- Impacts to existing landscaping/shoulder area/fences/trees
- Narrow road one side of road may get valley gutter
- Existing utilities need to be avoided (fire hydrant, joint poles, etc.)

VINE STREET

FROM OAK AVENUE TO COUNTY/CITY BOUNDARY NEAR LELAND AVENUE

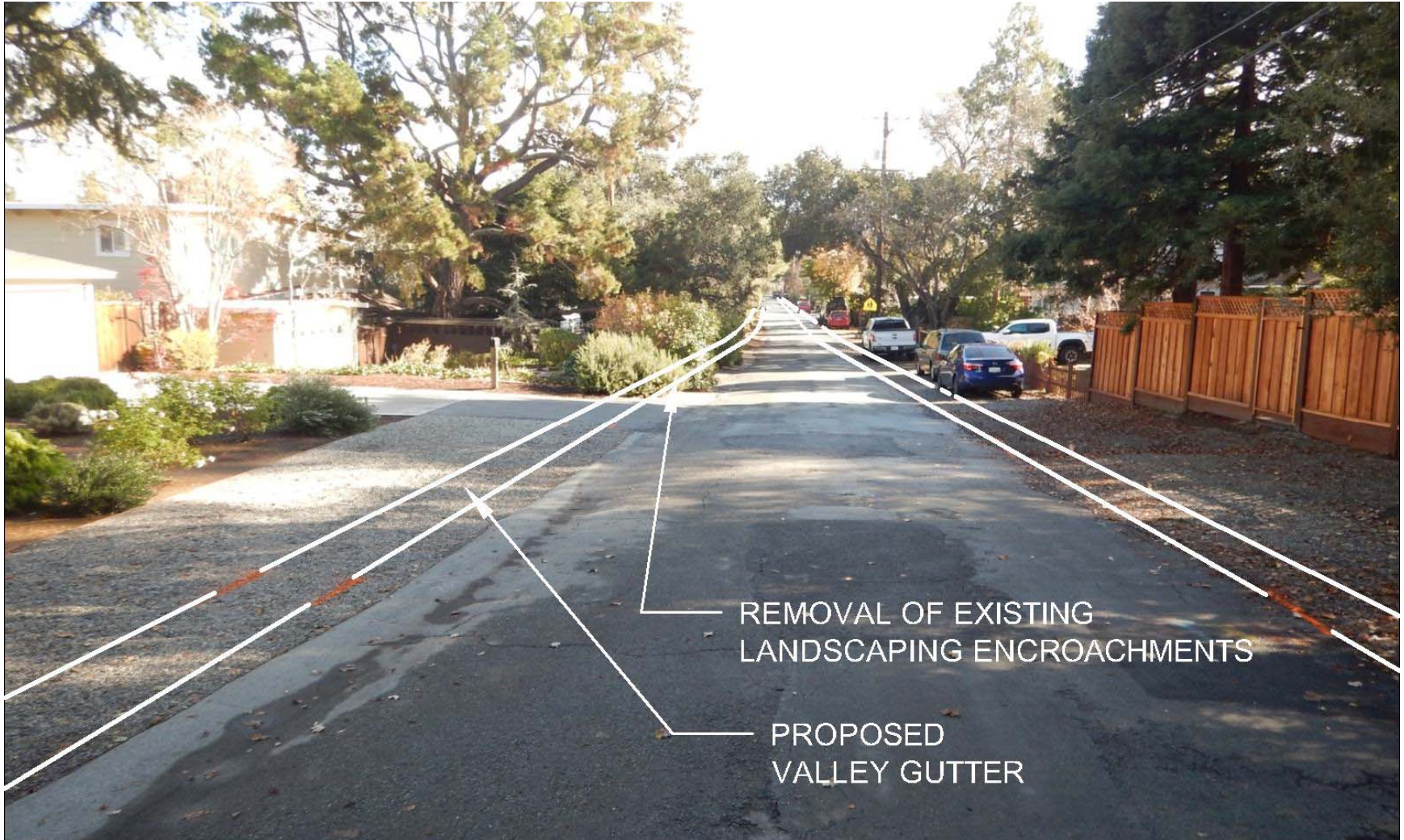
Design Issues and Considerations – working around existing encroachments



VINE STREET

FROM OAK AVENUE TO COUNTY/CITY BOUNDARY NEAR LELAND AVENUE

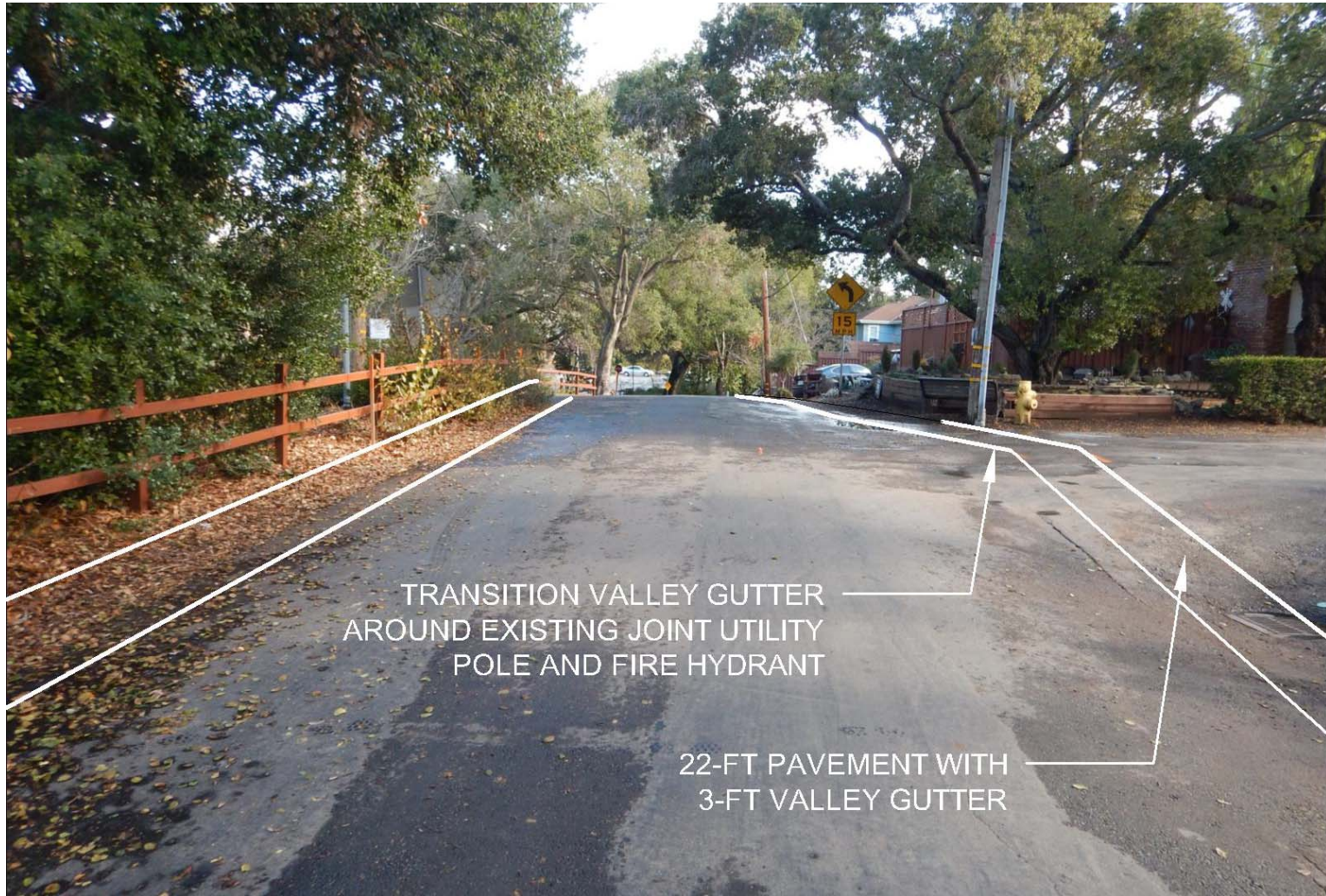
Design Issues and Considerations – working around existing encroachments



VINE STREET

FROM OAK AVENUE TO COUNTY/CITY BOUNDARY NEAR LELAND AVENUE

Design Issues and Considerations – working around existing encroachments



VINE STREET

FROM OAK AVENUE TO COUNTY/CITY BOUNDARY NEAR LELAND AVENUE

Design Issues and Considerations – working around existing encroachments



Design Issues and Considerations

Right-of-Way

Existing Right-of-Way conditions on Vine Street:

- The County of San Mateo maintains southern half of the right-of-way (30-ft) for the segment fronting the school. Lands of Stanford University owns the northern half of the right-of-way. Require coordination with Lands of Stanford University to finalize design.
- Most of the road improvements would be constructed centered in County's road right-of-way with a small segment centered on the existing roadway to minimize impacts to trees and landscaping.

Option 1 (Do nothing, Maintain as is):

Allows for existing encroachments and road drainage patterns to remain

Option 2 (Reconstruct road with 18 feet of pavement with 3-foot wide valley gutters):

Encroachments will need to be moved or removed from the road construction area.

Option 3 (Reconstruct road with 22 feet of pavement with 3-foot wide valley gutters):

More encroachments will have to be removed to allow wider road. Design can be modified to reduce roadway width or remove valley gutter on one side (Stanford side).

Option 4 (Reconstruct road with 18 feet of pavement with 2-foot wide valley gutters):

Will impact less encroachments by 1 foot on each side than Option 2.



Design Issues and Considerations

Drainage

Existing drainage conditions on Vine Street:

- Stormwater drainage generally flows along Vine Street from Leland Avenue to Oak Avenue.
- Stormwater flows along the road shoulders and some shoulder areas are permeable.
- Localized ponding at low points in the shoulder areas.
- Permeable roadway shoulder areas allow for stormwater to infiltrate into ground and helps reduce ponding.
- Existing storm drain catch basins collect and convey stormwater into the County's storm drain system.

Option 1 (Do nothing, Maintain as is): Allows for existing drainage patterns to remain.

Option 2, 3 and 4 (Reconstruct road with 18 or 22 feet of pavement with 2-foot or 3-foot wide valley gutters): Valley gutters will convey stormwater more efficiently. County would look for opportunities for infiltration as part of the design. The design would need to include evaluation of connecting into the existing storm drain system as much as possible.

Project Funding

- Construction of the roadway, valley gutters, Green Infrastructure, drainage inlets, and minor work to match up to the valley gutters (driveways and shoulder area).
- Work outside of project scope:
 - Landscaping, shoulder and driveway work beyond the required project limit.
 - Retaining walls or slope protection.
 - If Property Owners have been contemplating sewer lateral work, completing it prior to roadway work would be advised. Property owners are responsible for maintenance and repair of the lateral from house to the sewer main.

Coordination with City of Menlo Park and Utilities

City of Menlo Park

- City of Menlo Park input about work on their segment.

Lands of Stanford University

- Lands of Stanford University input about work on their segment.

Utilities

- Cal Water, PG&E and West Bay Sanitary District may need to perform work on their existing facilities.
- Any underground utility work to be done will need to happen before any roadwork to avoid damage to the new roadwork.

Schedule

- These items may impact the schedule since we want the best outcome for the roadway.



Proposed Process & Timeline*

- **December 2022/January 2023**: Conduct property owner survey and meet with property owners
- **February 2023**: Determine if there is a project and standard to be used
- **Spring 2023**: Develop project scope and design project
- **Summer 2023**: Advertise and bid out project
- **Late Summer 2023**: Project construction
 - * Utility work and coordination with City of Menlo Park and Lands of Stanford University could affect/delay timeline

Thank you

Questions, Comments, and Input

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Project Website (presentation will be posted here):
<https://www.smcgov.org/projects/vine-street-reconstruction>

COUNTY OF **SAN MATEO**



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