



# AGENDA REPORT

## CITY OF SAN CLEMENTE

### City Council Meeting

910 Calle Negocio  
2nd Floor  
San Clemente, California  
www.san-clemente.org

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**Meeting Date:** 3/7/2023

**Agenda Item:** 6D

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**Department:** Public Works

**Prepared By** Zak Ponsen, Acting Public Works Director - City Engineer  
Ryan Kim, Senior Civil Engineer

**Subject:**

**CALLE DEL CERRO BIKE LANE AND STOP SIGN IMPROVEMENTS**

**Fiscal Impact:**

The estimated construction cost of \$42,000 is within the available approved project budget of \$951,000 under CIP Project No. 12306

**Summary:**

Staff recommends approval of Calle Del Cerro Bike Lane and the Stop Sign Improvements.

**Background:**

Calle Del Cerro has undergone a recent tree replacement project and now is scheduled for an upcoming pavement rehabilitation and slurry seal project. Consistent with the City's General Plan goal to implement complete streets concepts where feasible, staff investigated options for reconfiguring the lane alignments to best balance the street for all users.

**Discussion:**

Calle Del Cerro is identified as a Local Collector street and connects to Avenida Pico to the west/northwest and to Avenida La Pata at its eastern terminus. The City's adopted Bicycle and Pedestrian Master Plan (BPMP) includes adding Class 3 bicycle facilities to the lower segment of Calle Del Cerro between Avenida Pico and the western intersection of Avenida Vista Montana. Class 3 facilities are shared vehicle lanes and are utilized when there is not enough available street right of way to construct either Class 1 or Class 2 improvements. Improvements in this lower segment of Calle Del Cerro were identified in the BPMP to help provide connections to Clarence Lobo Elementary School and Rancho San Clemente Park.

Although not included in the BPMP, staff is also proposing to add Class 2 bicycle facilities to most of the remaining segments of Calle Del Cerro. Class 2 facilities are dedicated bike lanes adjacent the curb and include painted buffers to separate them from the vehicle travel lanes. A Class 2 lane in the uphill direction will help serve as a climbing lane for bicyclists. The addition of buffered Class 2 bicycle lanes will narrow the travel lanes in both directions and should help reduce vehicle travel speeds. Studies show that wide roads promote higher vehicular speeds, and higher speeds may negatively influence the safety and quality of life for the adjacent neighborhood.

The proposed striping design includes narrowing travel lanes to 11 feet, maintaining left turn lanes at intersections, installing 5-foot bicycle lanes where feasible, and installing bike lane buffers where feasible.

Travel lane widths of 10 feet generally provide adequate safety in urban settings while discouraging speeding. Studies have shown that traffic speed is dependent upon how comfortable the driver feels, and therefore, reducing the travel lane widths would increase the side friction and may lower traffic speeds.

The benefits of implementing the bike lanes include:

**Benefits:**

1. Increased potential to help manage collector street traffic speeds due to increased perceived “friction” resulting from the narrower vehicle travel widths.
2. Improved environment and more room for bicyclists.
3. Visually reminds motorists of bicyclists’ right to the streets.
4. Increased bicyclist’s comfort and confidence on busy streets.
5. Increased total capacity of street carrying mixed bicycle and motor vehicle traffic.
6. Improved sight distance at intersections.
7. Maintains existing left turn lanes.

It should be noted that the City is currently in the process of two on-going studies for traffic and roadway safety. The Complete Streets Safety Assessment (CSSA) is being done by UC Berkeley. The Local Roadway Safety Plan (LSRP) is being done by Kimley Horn. These studies are nearly complete and staff is implementing some of their recommendations via these proposed improvements. Both studies note a lack of bicycle facilities on Calle Del Cerro. Staff expects to bring both these studies to the Planning Commission and City Council in the next couple of months.

**Consideration of Stop Sign Improvements at the eastern intersection of Calle Del Cerro and Avenida Vista Montana (East):**

Avenida Vista Montana is listed as a Local Collector street and connects with Calle Del Cerro in two locations. The eastern connection is located near the crest of the Calle Del Cerro slope. City staff has received complaints from the residents indicating concerns regarding traffic speeds, safety, and pedestrians on Calle Del Cerro. Staff has also received a request for a crosswalk at the nearby intersection of Calle Sol. The crosswalk request raised the issue of this area being a school bus drop off and pick up stop. Staff would not be supportive of a crosswalk at their community’s entrance (Calle Sol) due to it being an uncontrolled intersection on an approximate 8% grade. The CSSA study has also reviewed the Calle Sol location, and noted the poor sight distance due to the vertical and horizontal curves of the street.

The CSSA study includes potential modifications to the Calle Del Cerro intersection with Vista Montana for a potential all-way stop sign. City staff conducted a field study to determine if additional stop signs are warranted. During the study period, the actual number of vehicles coming from Avenida Vista Montana did not meet the qualifications for adding stop signs on Calle Del Cerro, but staff noted the line of sight distance of the crest of the hill poses an issue when vehicles are travelling at the 85th percentile speed of 40 mph or higher. Due to the potential for line of sight/stopping sight distance issues and the request for a crosswalk in the vicinity, staff can support the addition of both the stop sign and crosswalk improvements. Due to the vertical and horizontal curves of the street, the addition of stop signs in both travel directions on Calle Del Cerro would include advance warning

flashing signs to alert drivers of the upcoming intersection.

The Planning Commission unanimously approved the project on February 22, 2023, but include some additional recommendations:

1. Staff to contact the Business Park Association to request that they notify their tenants that travelers on Calle Del Cerro should not speed.
2. Staff to contact the Master Home Owners Association and review the tract landscaping plans regarding the intersection of Avenida Vista Montana (east) with the intention for solutions for vehicular interactions at the intersection of Avenida Vista Montana (east) and Calle Del Cerro; and
3. Request additional OCSD patrols of the Calle Del Cerro area for additional enforcement of potential speeding.

This meeting was noticed to residents within a 300 feet radius of the project area to inform the residents that the subject would be considered at this meeting, and the City Council meeting on March 7, 2023. Additionally, notices were sent to all 1600 Rancho San Clemente properties within their HOA financial mailings.

***Recommended Actions:***

Staff Recommends that the City Council:

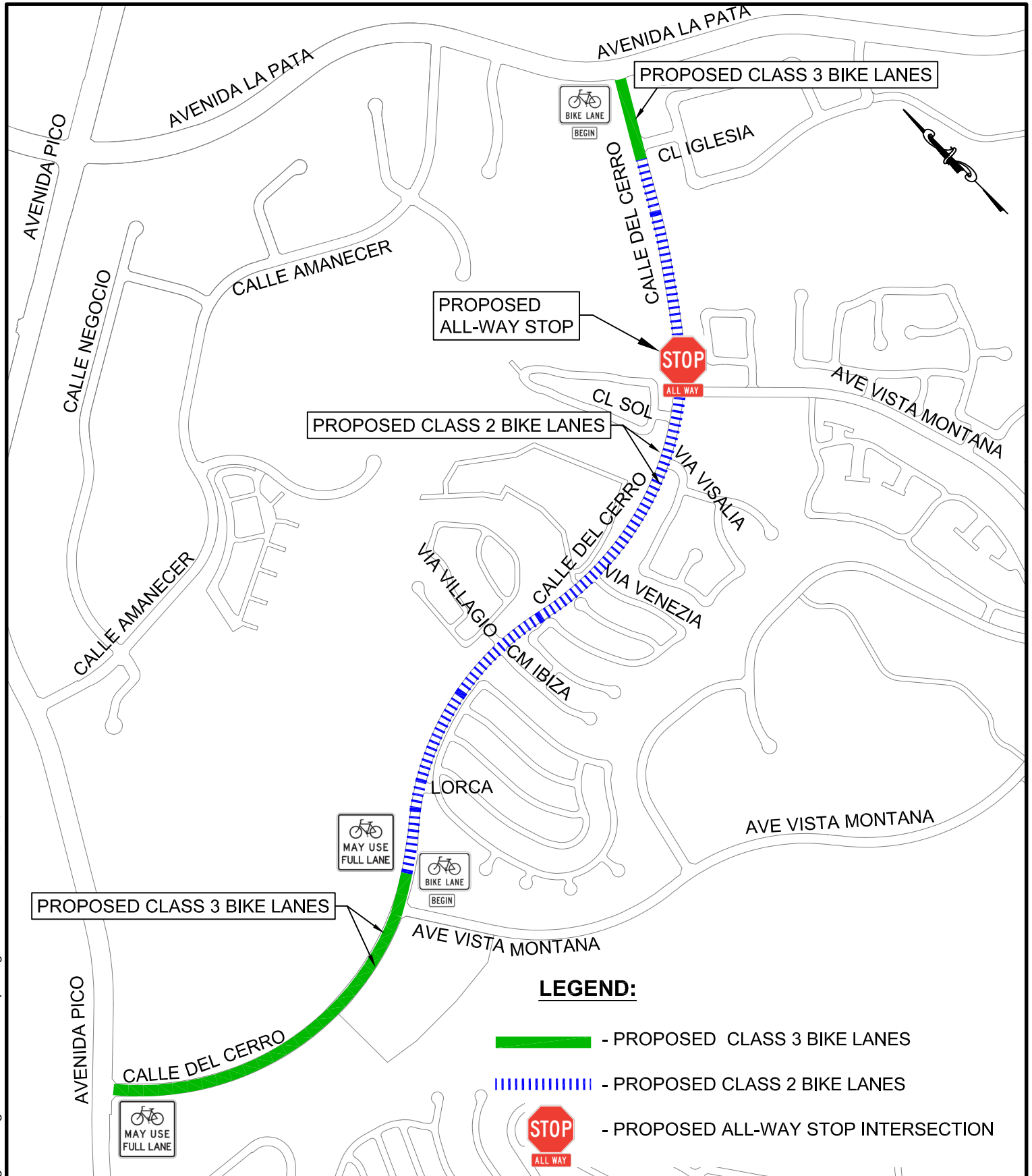
1. Approve the project plans for restriping Calle Del Cerro for bicycle lane facilities;
2. Adopt Resolution No. 23-05 entitled A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SAN CLEMENTE, CALIFORNIA, AMENDING MASTER TRAFFIC RESOLUTION NO. 1846, ESTABLISHING "THROUGH STREETS AND STOP INTERSECTIONS" ON CALLE DEL CERRO AT AVENIDA VISTA MONTANA (EAST);
3. Direct staff to contact the San Clemente Business Park Master Association to communicate residents' concerns about speeding traffic on Calle Del Cerro and request them to notify their employees to observe the speed limit on Calle Del Cerro in the residential areas;
4. Direct staff to contact the Master Home Owners Association and review the tract landscaping plans regarding the intersection of Avenida Vista Montana (east) with the intention for solutions for vehicular interactions at the intersection of Avenida Vista Montana (east) and Calle Del Cerro; and
5. Direct staff to contact OCSD for additional spot enforcement at the intersection of Avenida Vista Montana (east) and Calle Del Cerro for observing the stop signs after installing the stop signs and at the bottom of the hill toward Avenida Pico for speed enforcement

***Attachment:***

1. Location Map
2. Proposed Striping and Signage Plan
3. Resolution




***Notification:***

None



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**LEGEND:**

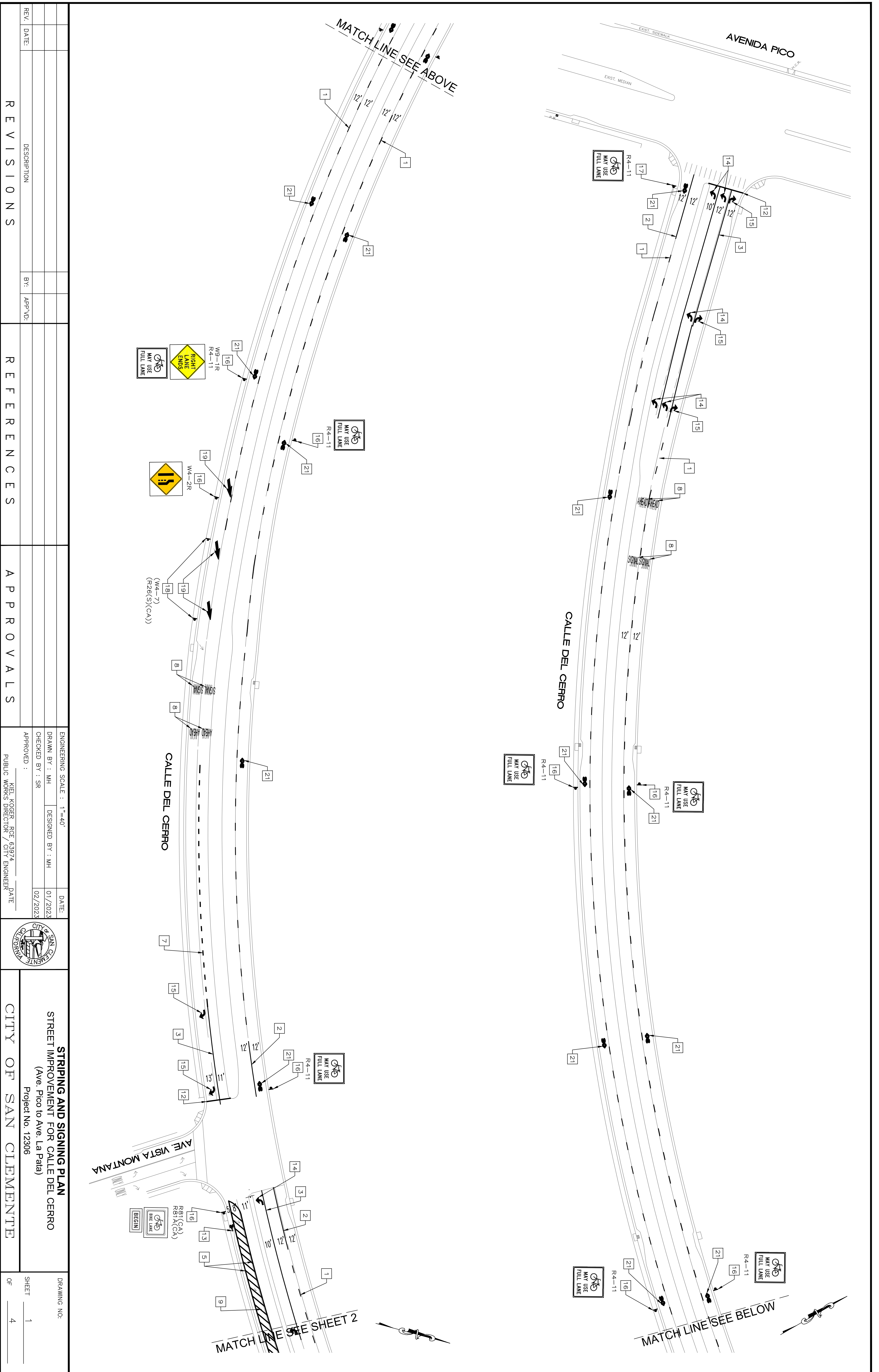
-  - PROPOSED CLASS 3 BIKE LANES
-  - PROPOSED CLASS 2 BIKE LANES
-  - PROPOSED ALL-WAY STOP INTERSECTION



**CITY OF SAN CLEMENTE**  
 910 Calle Negocio  
 San Clemente, CA 92673  
[www.san-clemente.org](http://www.san-clemente.org)

**LOCATION MAP**

**CALLE DEL CERRO  
 BIKE LANES &  
 STOP SIGN IMPROVEMENT**

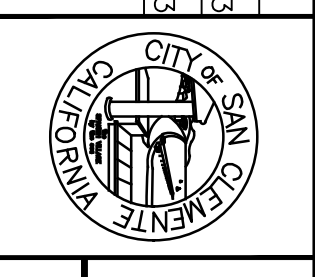


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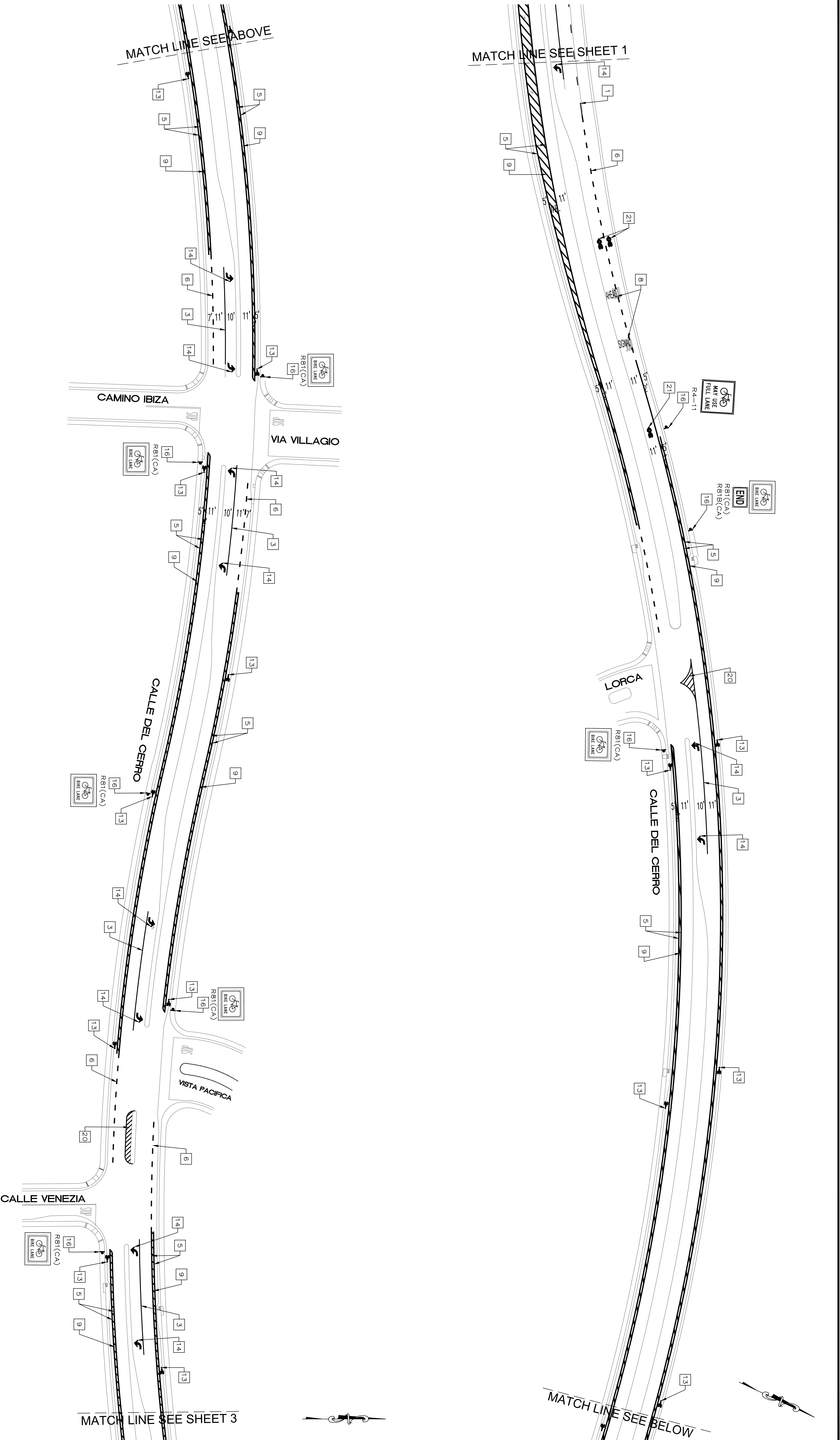
APPROVALS

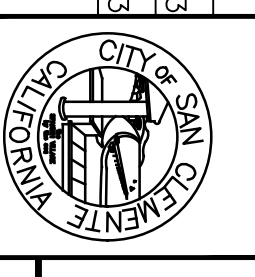
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CHECKED BY : SR	02/2023
APPROVED :	DATE
KIEL KOSEF ROE 63974	
PUBLIC WORKS DIRECTOR / CITY ENGINEER	

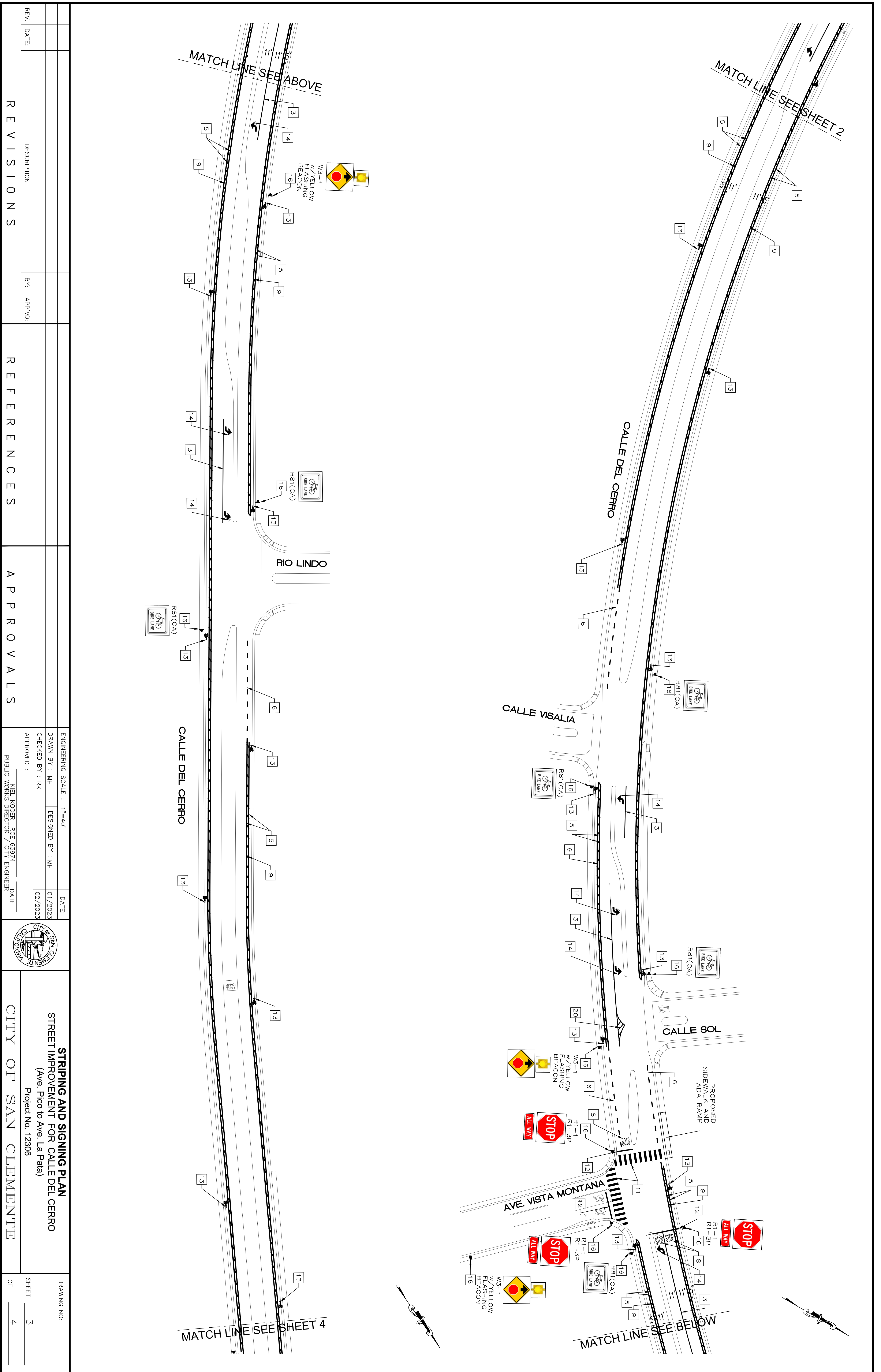


<b>STRIPING AND SIGNING PLAN</b>	
STREET IMPROVEMENT FOR CALLE DEL CERRO	
(Ave. Pico to Ave. La Pata)	
Project No. 12306	
<b>CITY OF SAN CLEMENTE</b>	
DRAWING NO:	SHEET 1
OF 4	

STREET IMPROVEMENT FOR CALLE DEL CERRO, Project No. 12306



REV.	DATE:	DESCRIPTION	BY:	APP'VD:
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R E F E R E N C E S				
A P P R O V A L S				
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CHECKED BY :	RK	DATE:	02/2023	
APPROVED :		DATE:		
KIEL KOSEF ROE 63974 PUBLIC WORKS DIRECTOR / CITY ENGINEER				
		<b>STRIPING AND SIGNING PLAN</b> STREET IMPROVEMENT FOR CALLE DEL CERRO (Ave. Pico to Ave. La Pata) Project No. 12306		
DRAWING NO.:				SHEET 2
				OF 4

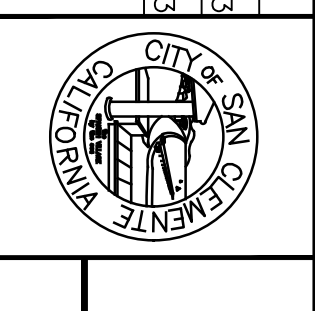


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REFERENCES

APPROVALS

ENGINEERING SCALE : 1"=40'	DATE:
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CHECKED BY : RK	02/2023
APPROVED :	DATE
KIEL KOSER, RCE 63974	
PUBLIC WORKS DIRECTOR / CITY ENGINEER	



**STRIPING AND SIGNING PLAN**  
**STREET IMPROVEMENT FOR CALLE DEL CERRO**  
 (Ave. Pico to Ave. La Pata)  
 Project No. 12306

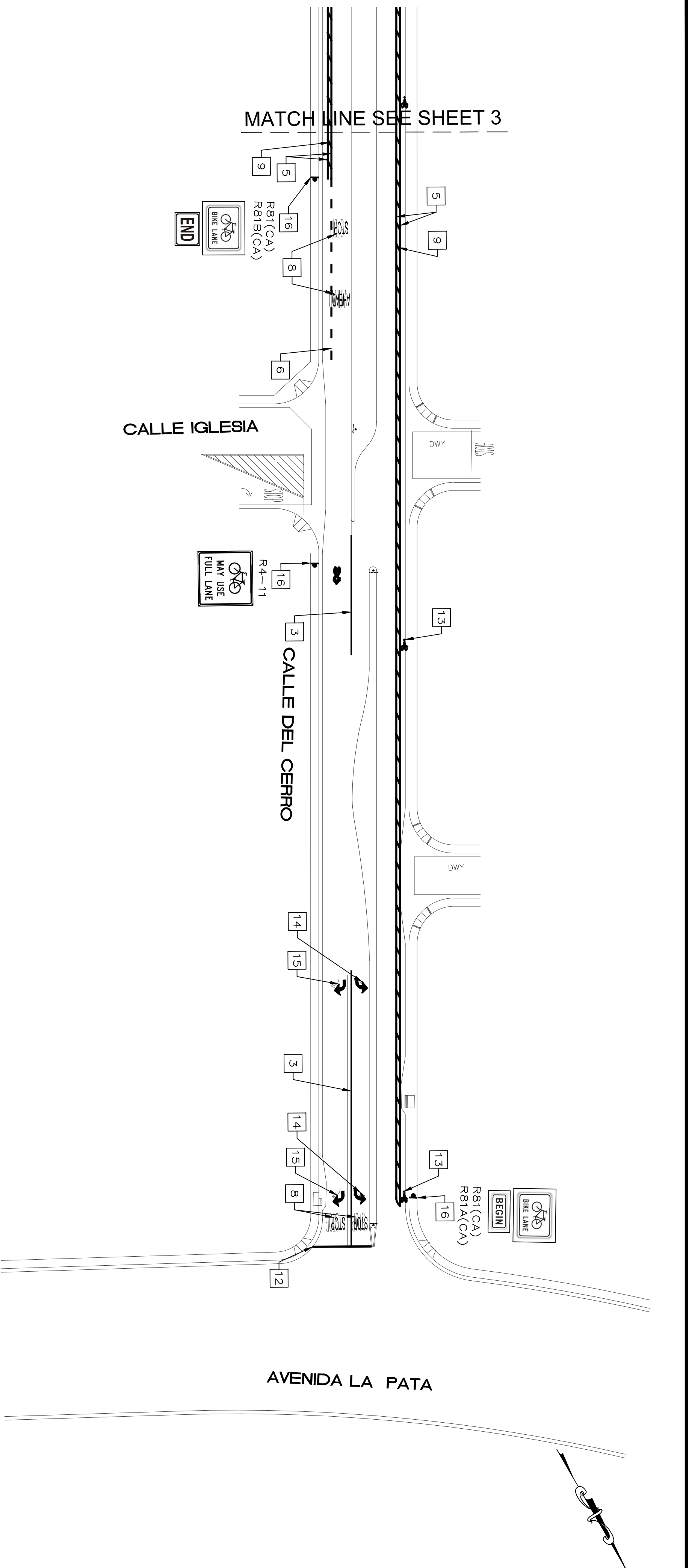
CITY OF SAN CLEMENTE

DRAWING NO:

SHEET 3

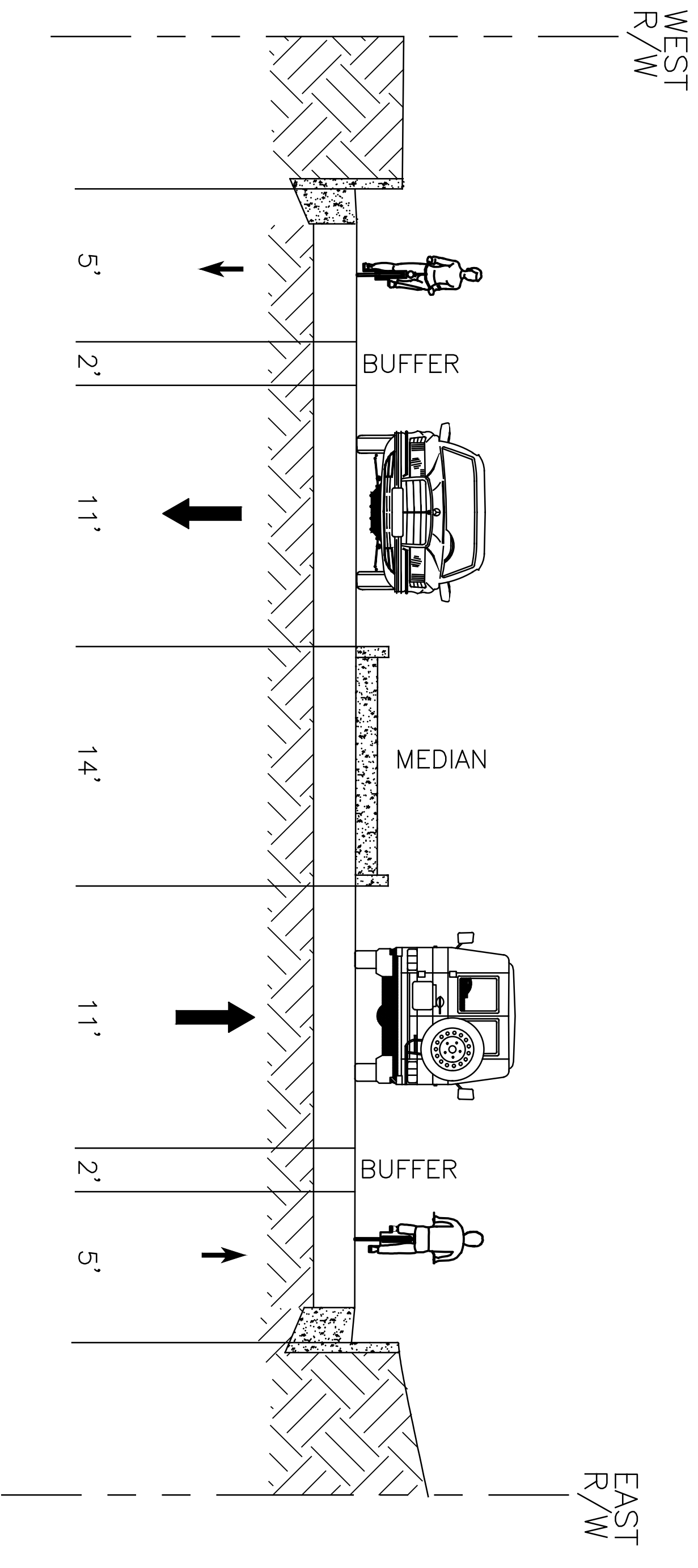
OF 4





**STRIPING AND SIGNING NOTES:**

- 1 INSTALL 4" WHITE LINE PER CALTRANS STD. PLAN A20A DETAIL 9
- 2 INSTALL 4" SOLID WHITE LANE LINE (50' LONG) WITH RPM
- 3 INSTALL 8" WHITE CANALIZING LINE PER CALTRANS STD. PLAN A20D DETAIL 38
- 4 INSTALL LEFT EDGELINE PER CALTRANS STD. PLAN A20B DETAIL 26
- 5 INSTALL 6" WHITE BIKE LANE LINE PER CALTRANS STD. PLAN A20D DETAIL 39
- 6 INSTALL 6" WHITE BIKE LANE DROP LINE PER CALTRANS STD. PLAN A20D DETAIL 39A
- 7 INSTALL 4" LANE DROP LINE PER CALTRANS STD. PLAN A20C DETAIL 37B
- 8 INSTALL PAVEMENT MARKING WORDS PER CALTRANS STD. PLAN A24D
- 9 INSTALL 12" WHITE DIAGONAL MARKING AT 45°, SPACING AT 40' O.C.
- 10 INSTALL YELLOW MEDIAN ISLAND STRIPE PER CALTRANS STD. PLAN A20B DETAIL 29
- 11 INSTALL 24" WHITE CONTINENTAL CROSSWALK PER CSC STD. NO. ST-21
- 12 INSTALL 12" WHITE LIMIT LINE PER CALTRANS STD. PLAN A24E
- 13 INSTALL BIKE LANE SYMBOL WITH PERSON PER CALTRANS STD. PLAN A24C
- 14 INSTALL TYPE IV (L) ARROW PER CALTRANS STD. PLAN A24A
- 15 INSTALL TYPE IV (R) ARROW PER CALTRANS STD. PLAN A24A
- 16 INSTALL SIGN AND POST
- 17 INSTALL SIGN ON EXIST. LIGHT POLE / POST
- 18 RELOCATE EXIST. SIGN AND POST
- 19 INSTALL TYPE VI RIGHT LANE DROP ARROW PER CALTRANS STD. PLAN A24A
- 20 INSTALL 12" WHITE DIAGONAL MARKING AT 45°, SPACING AT 4' O.C.
- 21 INSTALL SHARED ROADWAY BICYCLE MARKING PER CALTRANS STD. PLAN A24C



**TYPICAL SECTION with PROPOSED BIKE LANES**  
**CALLE DEL CERRO**

REV.	DATE:	DESCRIPTION	BY:	APP'VD:	REVISIONS	REFERENCES	APPROVALS	ENGINEERING SCALE : 1"=40'	DATE:	ENGINEERING SCALE : 1"=40'	DATE:	ENGINEERING SCALE : 1"=40'	DATE:
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								KIEL KOSEK, ROE 63974		KIEL KOSEK, ROE 63974		KIEL KOSEK, ROE 63974	
								PUBLIC WORKS DIRECTOR / CITY ENGINEER		PUBLIC WORKS DIRECTOR / CITY ENGINEER		PUBLIC WORKS DIRECTOR / CITY ENGINEER	
										<p><b>STRIPING AND SIGNING PLAN</b> STREET IMPROVEMENT FOR CALLE DEL CERRO (Ave. Pico to Ave. La Pata) Project No. 12306</p>			
					<p>CITY OF SAN CLEMENTE</p>					<p>DRAWING NO: _____ SHEET 4 OF 4</p>			

RESOLUTION NO.

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SAN CLEMENTE, CALIFORNIA, AMENDING MASTER TRAFFIC RESOLUTION NO. 1846, ESTABLISHING "THROUGH STREETS AND STOP INTERSECTIONS" ON CALLE DEL CERRO AT AVENIDA VISTA MONTANA (EAST)

WHEREAS, the City reviews various locations to improve safety and traffic conditions; and

WHEREAS, the easterly intersection of Calle Del Cerro and Avenida Vista Montana is controlled by a two-way Stop sign on Avenida Vista Montana; and

WHEREAS, there are potential sight restrictions for drivers approaching the intersection; and

WHEREAS, the City of San Clemente Planning Commission ("Planning Commission"), at its regular meeting of February 22, 2023 made a recommendation to the City of San Clemente City Council ("City Council") to approve a conversion of existing two-way to all-way stop-controlled intersection at the locations listed below; and

WHEREAS, the City Council has considered the recommendation by the Planning Commission, and the information provided by City staff and now wishes to implement the recommended all-way stop-controlled intersection.

NOW, THEREFORE, The City Council of the City of San Clemente does hereby resolve as follows:

Section 1. The above recitals are true and correct.

Section 2. The Master Traffic Resolution No. 1846, Section 21, entitled "Through streets and stop intersections", is hereby amended by adding the following subsection:

21.c-23a Cerro, Calle Del, at Avenida Vista Montana (East).

Section 3. The City Clerk shall certify to the passage and adoption of this resolution and enter it into the book of original resolutions.

PASSED AND ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

ATTEST:

\_\_\_\_\_  
City Clerk of the City of  
San Clemente, California

\_\_\_\_\_  
Mayor of the City of San  
Clemente, California

STATE OF CALIFORNIA     )  
COUNTY OF ORANGE     ) §  
CITY OF SAN CLEMENTE    )

I, LAURA CAMPAGNOLO, City Clerk of the City of San Clemente, California, do hereby certify that Resolution No. \_\_\_\_\_ was adopted at a regular meeting of the City Council of the City of San Clemente held on the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by the following vote:

AYES:

NOES:

ABSENT:

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of San Clemente, California, this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
CITY CLERK of the City of  
San Clemente, California

Approved as to form:

\_\_\_\_\_  
City Attorney