



# Memorandum Engineering Division

April 8, 2015

**To:** Planning Commission  
**From:** Jennifer Rosales, Senior Transportation Engineer *JR*  
**Subject:** **Traffic Calming Measures on West Paseo De Cristobal**  
**Copies:** William E. Cameron, Public Works Director / City Engineer  
Thomas Bonigut, Assistant City Engineer  
Thomas Frank, Transportation Engineering Manager  
Joseph McClintock, Police Services Sergeant

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## ISSUE:

**Should the Planning Commission forward to the City Council a recommendation to implement traffic calming measures on West Paseo De Cristobal?**

## BACKGROUND:

A petition was received in August 2013 requesting traffic engineering staff review of West Paseo De Cristobal from El Camino Real to Ola Vista. Staff conducted traffic counts and speed surveys in September and October 2013 for the review and gathered accident history. Staff met with local residents on March 27, 2014 to discuss the traffic engineering staff review and traffic calming alternatives on West Paseo De Cristobal. The attached petition for Neighborhood Traffic Calming Measures on West Paseo De Cristobal was received on December 10, 2014 to "slow down traffic" from El Camino Real to Ola Vista and from Ola Vista to Toledo.

West Paseo De Cristobal is a residential street with a 25 mph posted speed limit. The street is 40 feet from curb to curb with on street parking permitted on both sides and West Paseo De Cristobal provides access to T-Street beach.

### Traffic Volume and Speeding

Staff have conducted traffic studies on West Paseo De Cristobal. These studies include data on the Average Daily Traffic (ADT), speed surveys, accident records, and sight distance measurement. The average daily traffic (ADT) and speeds were collected in September and October 2013. The ADT on West Paseo De Cristobal was measured between 900 to 1,000 vehicles per day.

The speed surveys conducted by staff concluded that the 85<sup>th</sup> percentile on West Paseo De Cristobal westbound is 32 mph and on the eastbound is 25 mph.

Speeding in the area is occasional and not confined to an isolated time of day or day of week. Approximately 9% of the vehicles are traveling 32 mph or greater with 11 vehicles exceeding 45 mph during the one week survey period. The speeding pattern on West Paseo De Cristobal is found to be higher in the westbound direction with an 85<sup>th</sup> percentile speed greater than 5 mph over the posted speed when compared to similar residential streets in San Clemente.

To address the concern about speeding, staff requested Police Services Division to arrange a spot check installation of a radar speed trailer. This device reminds drivers of the posted speed limit and flashes their speed. The trailer also makes a recording of the speeds measured during the operation period. If Police Services notes a trend toward violations they take appropriate enforcement measures.

#### Accident History

The accident history from 2010 to 2014 shows seven recorded accidents on West Paseo De Cristobal between El Camino Real and Toledo. Five of the recorded accidents occurred within the last three years from 2012 to 2014.

#### Traffic Calming Measures

City staff met with local residents on Thursday, March 27, 2014 to discuss the following:

- Traffic data, speeds, and warrants for traffic calming
- Process for traffic calming
- Neighborhood traffic issues
- Traffic calming tools
- Alternatives for traffic calming
- A holistic approach for the neighborhood

At the meeting, traffic calming alternatives were discussed included phased improvements. A traffic calming technique that was discussed and been implemented as part of residential street projects is to eliminate existing centerline striping on certain streets. Removing the centerline striping "softens" the appearance of a roadway, which alters motorist perception and creates a residential and local visual character for the roadway. With the elimination of centerline delineation, motorists tend to drive slower and closer to the center of the roadway, creating roadside area for pedestrians and on-street parking. This has been shown in studies including the Alameda County Traffic Calming Manual and London Centerline Removal study. The option of removing the centerline striping and painting an edge line on each side of the street was discussed for West Paseo De Cristobal. During the neighborhood meeting, a majority of the attendees supported this option.

Following the meeting, a formal traffic calming petition in support of West Paseo de Cristobal traffic calming efforts was developed. The petition for Neighborhood Traffic Calming Measures was signed by 80 percent of residents on West Paseo De Cristobal and received on December 10, 2014 to "slow down traffic" from El Camino Real to Ola Vista and from Ola Vista to Toledo. The traffic calming petition proposes:

- Remove the existing double yellow painted centerline striping.

- Paint a 4" wide white edge line 10' from the face of the curb on each side of the street.

Staff evaluated the traffic calming proposal using the criteria in the City's Traffic Calming Policy and Resource Manual. Using the criteria, West Paseo De Cristobal scored a 54 which meets the minimum score of 51 points needed for a residential neighborhood to qualify for traffic calming treatments. Staff concurs with the traffic calming petition proposal.

To maximize the likelihood of receiving favorable bids, the work including a slurry seal would be bid with the next slurry sealing project the City bids. At this time, the next planned slurry seal project should bid this summer with construction targeted for the fall 2015. If the Planning Commission moves the project forward to the City Council, Staff will recommend to City Council appropriating the required funds from the Traffic Calming budget.

### **RECOMMENDATION:**

STAFF RECOMMENDS THAT the Planning Commission forward to the City Council a recommendation to approve proposed traffic calming measures as follows:

1. Remove the existing double yellow painted centerline striping.
2. Paint a 4" wide white edge line 10' from the face of the curb on each side of the street.
3. Request Police Services to consider increasing speed enforcement in the neighborhood.

Attachments: 1. Location Map  
2. Petition for Neighborhood Traffic Calming Measures  
3. Proposed Traffic Calming Improvements



\\c:\graphics\graphics\_cdlautocad engr drawings\traffic\location map 2014.dwg



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**LOCATION MAP**

**TRAFFIC CALMING ON  
WEST PASEO DE CRISTOBAL**

## **West Paseo De Cristobal Traffic Calming Proposal**

In support of West Paseo de Cristobal traffic calming efforts requested by a petition, San Clemente City staff has presented an alternative to restripe the 100 and 200 blocks of our street. This would include the 100 block from El Camino Real to Ola Vista and the 200 block from Ola Vista to Toledo. This proposal includes the following:

- Remove the existing double yellow painted centerline striping;
- Paint a 4" wide white edge line 10' from the face of the curb on each side of the street.

The purpose of this change to the street striping is to increase vehicular friction which we hope will slow down traffic. Similar applications have been successful in calming traffic in other neighborhoods. This petition will be presented to the San Clemente Planning Commission for their approval. By signing the attached petition, you are signifying that you support this proposal.

Thank you!

# Recap 700 Block Cristobal

→ 203 - Did not Support/Declined

204 - Supported

205 - Supported

206 - Supported

207 - Supported

208 - Supported

209 - Supported

210 - Supported

211 - Supported

→ 212 - Empty

213 - Supported

214 - Supported

215 - Supported

216 - Supported

→ 217 - ~~Did not~~ Supported/Declined

218 - Supported

219 - Supported

221 - Supported

220 - Supported

→ 222 - Empty lot

→ 223 - ~~Empty lot~~ Rental

225 - Supported

226 - Supported

229 - Supported

19 out of 24 lots supported  
or  
80%

**Petition supporting the restriping of West Paseo de Cristobal**  
El Camino Real to Toledo

- | <u>Name</u>          | <u>Address</u>                    | <u>Contact/Email</u>  |
|----------------------|-----------------------------------|-----------------------|
| 1. Dana Petri        | 204 W. Paseo De Cristobal         | dana.petri@cox.net    |
| 2. Glen Simons       | 214 W. Paseo De Cristobal         | GlenSimons@WI.U.S.com |
| 3. Alan So Hagy      | 220 W. PASEO DE CRISTOBAL, S.C.   | ahagy@cox.net         |
| 4. Paul Cramer       | 226 W Paseo De Cristobal SC       | phcramer@yahoo.com    |
| 5. DANIG BOWMAN      | 225 W PASEO DE CRISTOBAL SC       | DBowman822@aol.com    |
| 6. Stephanie Edwards | 215 West Paseo De Cristobal, S.C. | stephed@me.com        |
| 7. Crystal Branker   | 210 West Pavo de Cristobal SC.    | Gen.Brunker.net       |
| 8. Gene Schumacher   | 206 W 1495 ED DE CRISTOBAL        | 949 498 1932          |
| 9. Stephanie Miller  | 213 W Paseo de Cristobal          | skurkjian@hotmail.com |
| 10. Tracy McFadden   | 211 W. Paseo de Cristobal         | 949-637-1065          |

11. Sam Bechtel 209 W. Paseo De Cristobal, <sup>949-228-8338</sup> Sbechtel@880.sbcglobal.net

12. Lucie Forlinson 219 Cristobal 492-2057

13. Carla Dault 218 W. P.O. Anstonal 949 388 2789

14. Suzanne Nelson 229 W. Paseo de Cristobal 949 498-5778

15. John Berger 221 W. Paseo de Cristobal (949) 492-5067

16. Patti & Richard Hedell 216 W. Paseo de Cristobal 449 388-8282

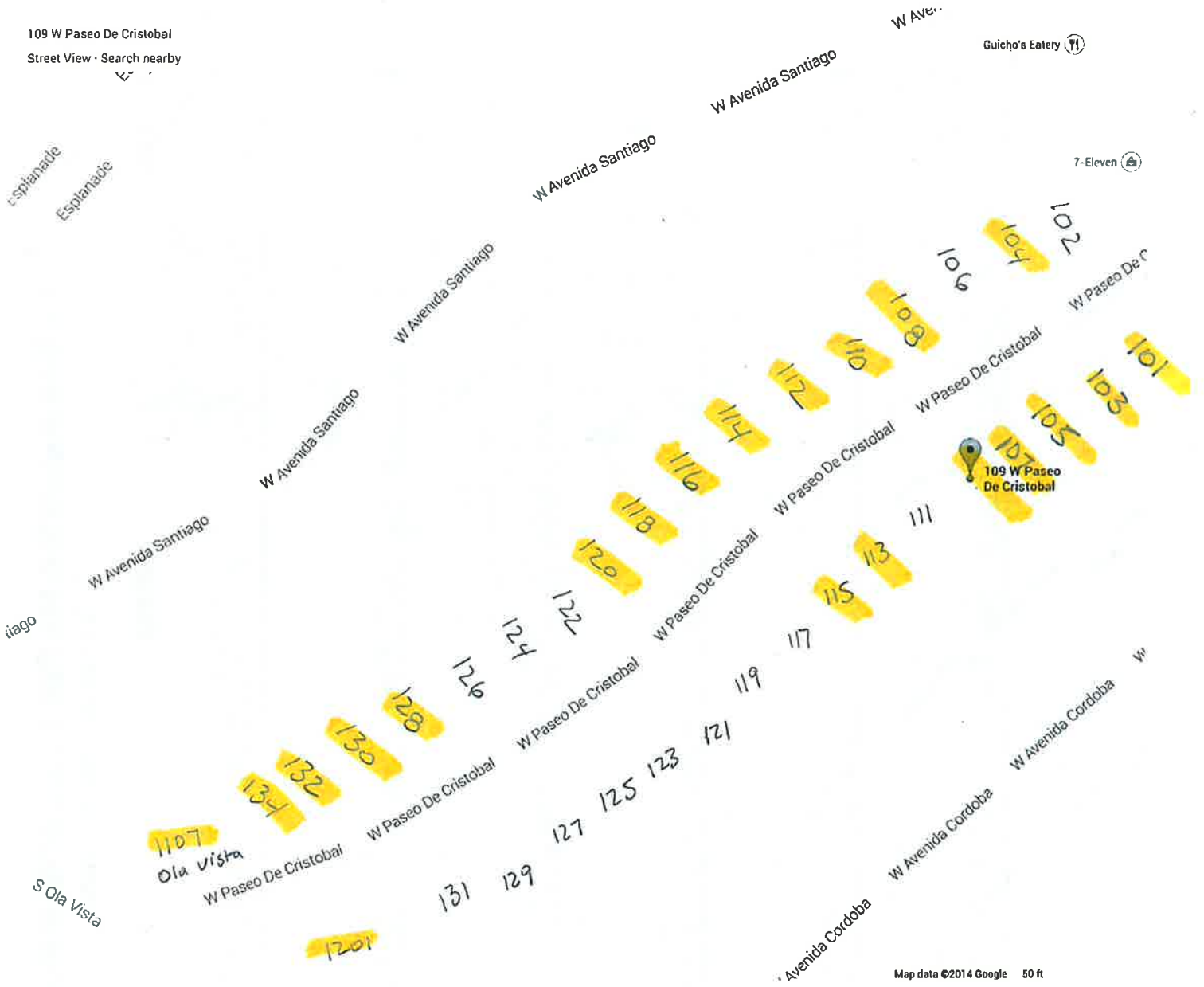
17. Elaine Catimares 208 W. Paseo de Cristobal 949.366.2547

18. Tow Upham 205 W. Paseo de Cristobal 714-269-9031

19. JOHN M. DEW 207 W. PASEO DE CRISTOBAL 949-293-9700

20.





100 Block

**Petition supporting the Restriping of West Paseo de Cristobal**

El Camino Real to Toledo

- | <u>Name</u>                        | <u>Address</u>                     | <u>Contact/Email</u>     |
|------------------------------------|------------------------------------|--------------------------|
| 1. <u>Jim Meyerhofer</u>           | 107 Paseo de Cristobal SC          | hymie65@gmail.com        |
| 2. <u>Stephaie Dougherty</u>       | 107 Paseo de Cristobal, SC 29672   | sdougherty56@gmail.com   |
| 3. <u>Carole Z Dougherty</u>       | 105 W Paseo de Cristobal, SC 29672 | cdougherty@cox.net       |
| 4. <u>Michael H Dougherty</u>      | 105 W Paseo de Cristobal, SC 29672 | cdougherty@cox.net       |
| 5. <u>Aaron Gardner</u>            | 103 W. Paseo de Cristobal, 29672   | aaron.gardner@gmail.com  |
| 6. <u>Kathy Sime + Dana Farrow</u> | 101 W Paseo de Cristobal, SC 29672 | Kathy Sime & Dana Farrow |

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18. Steve Gmur

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Steve Gmur

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19. MARIA Gmur

110 W. PASEO DE CRISTOBAL

Maria Gmur

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20. JORDAN BLANCHE

116 W PASEO DE CRISTOBAL




Jordan Blanche

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Address

Contact/Email

- 21. JASON BASSETT 118 PASEO DE CRISTOBAL (949) 412-1602
- 22.  Kevin DallaBetta 120 W. Paseo De Cristobal 949-498-7374
- 23.  Steve Brown 128 W. Paseo de Cristobal 949 374-2005
- 24. PHILIP CADONHEAD 130 W. PASEO DE CRISTOBAL 949-361-2332
- 25. Eric Maffroid 132 W. Paseo de Cristobal 947-374-4436
- 26. Jon Maffroid 132 W. Paseo de Cristobal 917-892-4886
- 27. Joe Frutari 1107 S Old Visby  949-201-8903  
Minizitari@yahoo.com

Name

Address

Contact Email

28. Janet Andrews

134 Chestnut

Janet Andrews [email address]

29. \_\_\_\_\_

30. \_\_\_\_\_

31. \_\_\_\_\_

32. \_\_\_\_\_

33. \_\_\_\_\_

Petition supporting the Restriping of West Paseo de Cristobal KIDS

El Camino Real to Toledo

Name

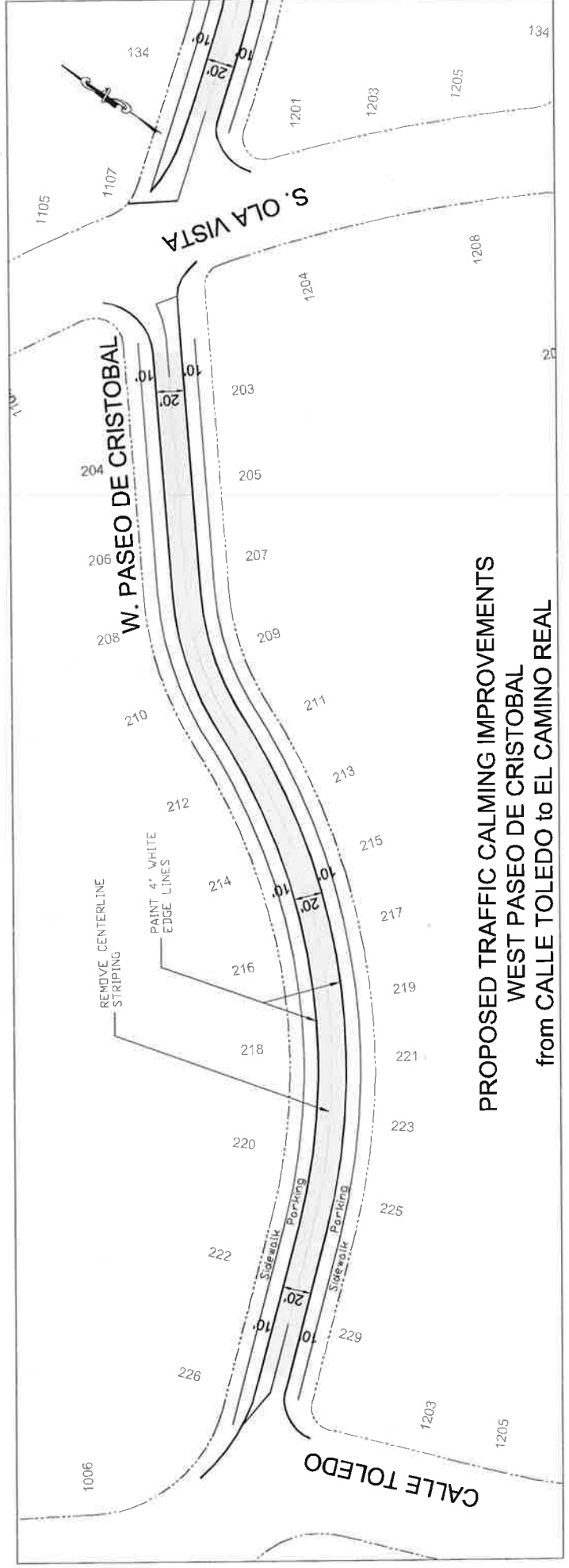
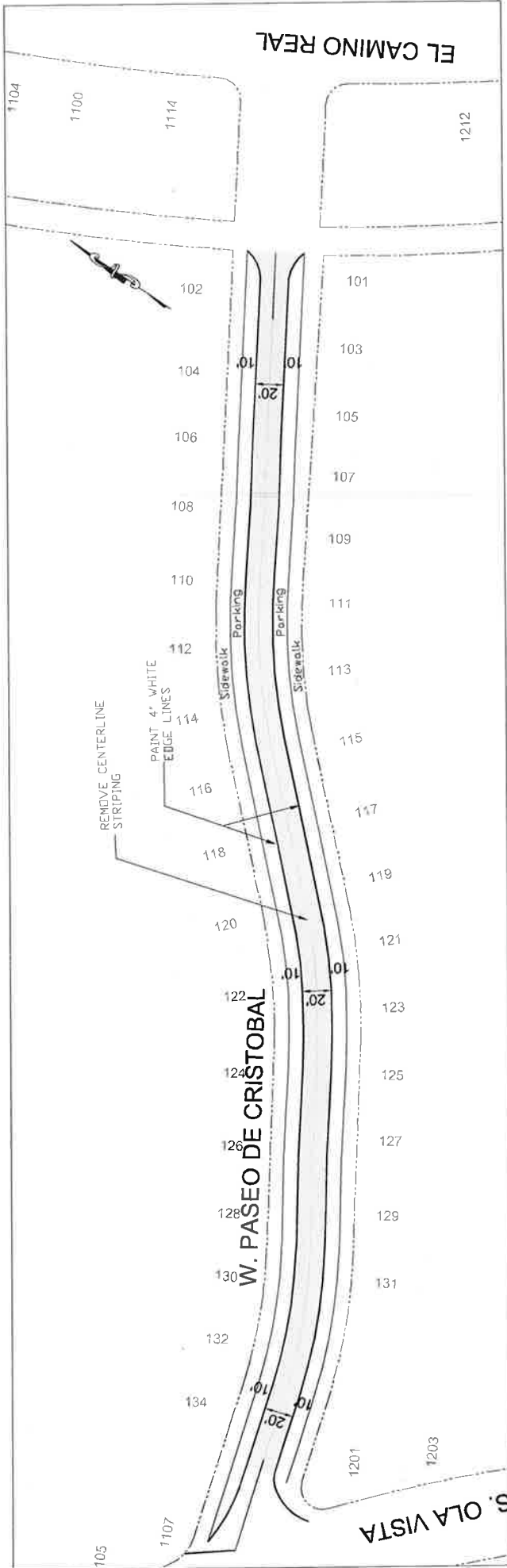
Address

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2. Larada Meyerhofer 107 W. Paseo de Cristobal
3. Vivienne Meyerhofer 107 W. Paseo de Cristobal
4. Andrew Gardner 103 W. Paseo de Cristobal
5. Alex Gardner 103 W. Paseo De Cristobal
6. Mike Koepseil 113 W. Paseo de Cristobal







**PROPOSED TRAFFIC CALMING IMPROVEMENTS  
WEST PASEO DE CRISTOBAL  
from CALLE TOLEDO to EL CAMINO REAL**

