



CITY OF ENCINITAS

NEIGHBORHOOD MEETING

OLIVENHAIN TRAIL ENHANCEMENTS

CARLOS BALDENEGRO, P.E.
SENIOR ENGINEER



Agenda

City Council Motion
New Fence Along Rancho Santa Fe Rd (Trail 81 area)
Current Project
Example of Post & Rope Fence
Why Post & Rope Fence?
Example of Vehicle Accident vs. Lodgepole
Composite Fencing
Project Cost Comparison
Updated Project Overview
Next Steps

City Council Motion

- On December 13, 2023, City Council Requested:
- Hold a similar meeting to the one held in 2007
 - City sponsored event at Olivenhain Meeting Hall
 - Hosted by Olivenhain Town Council and Encinitas Trails Coalition

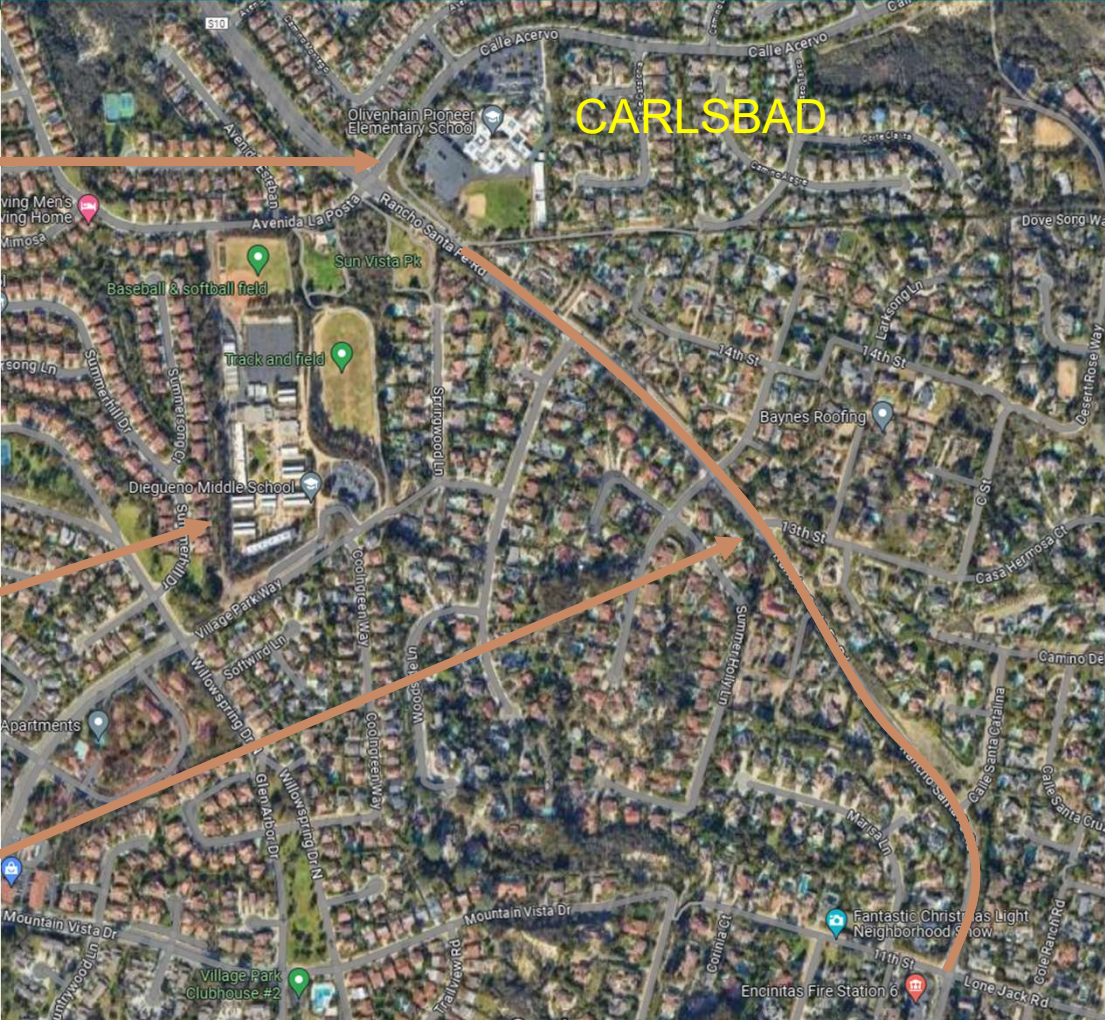
GOAL: Consensus between the community and staff on fence style

New Fence Along Rancho Santa Fe Rd (Trail 81)

Olivenhain Pioneer Elementary School

Diegueno Middle School

Rancho Santa Fe Rd (Trail 81)



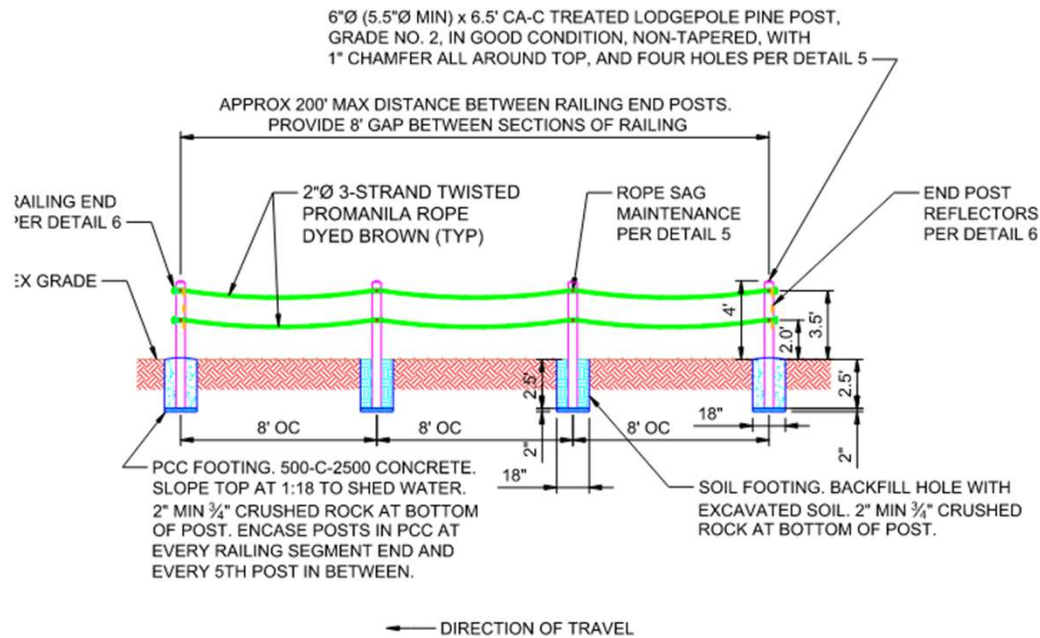
Current Project: Overview

Proposed Post & Rope Fence Along the East Parkway of Rancho Santa Fe Rd from Lone Jack Rd to 13th St

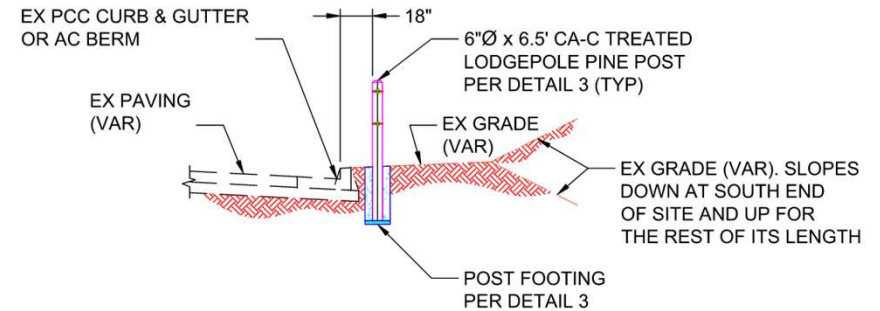
The projects received a \$150,000 grant from the California Department of Parks and Recreation's Office of Grants and Local Services (OGALS) to install this initial portion of the railing.



Current Project: Post & Rope Fence Details



3 POST AND ROPE RAILING DETAIL
SCALE: 1" = 5'-0"



4 POST & ROPE RAILING PARTIAL CROSS SECTION
SCALE: 1" = 5'-0"

Example of Post & Rope Fence



N Twin Oaks Valley Rd, San Marcos

Why Post & Rope Fence?

- Considered the safest option next to a roadway
- Lodgepole post and rail systems can detach and burst into the trail zone or penetrate vehicle compartments
- Composite post and rail systems pose a risk of fragmentation
- Other local agencies are adopting post & rope fencing
 - County of San Diego
 - City of Poway (July 20, 2021, Item 17)
 - City of San Marcos (September 13, 2011, Item 14)
- Safest for trail users
- Reduced liability to cities and other agencies

Example of Vehicle Accident vs. Lodgepole



N Twin Oaks Valley Rd, San Marcos

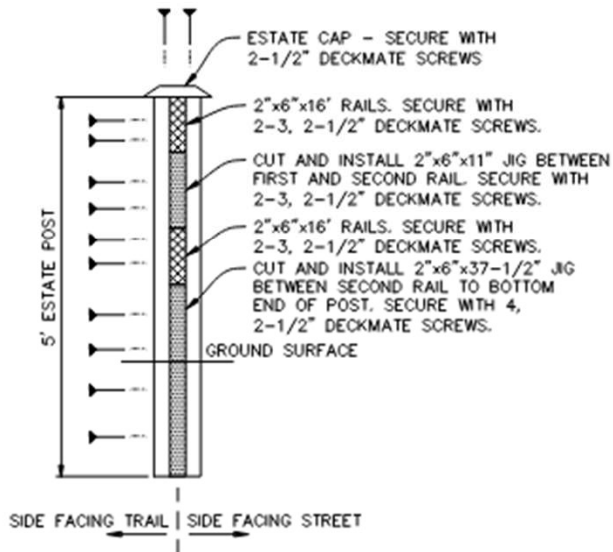
N Twin Oaks Valley Rd, San Marcos



Composite Fencing: History

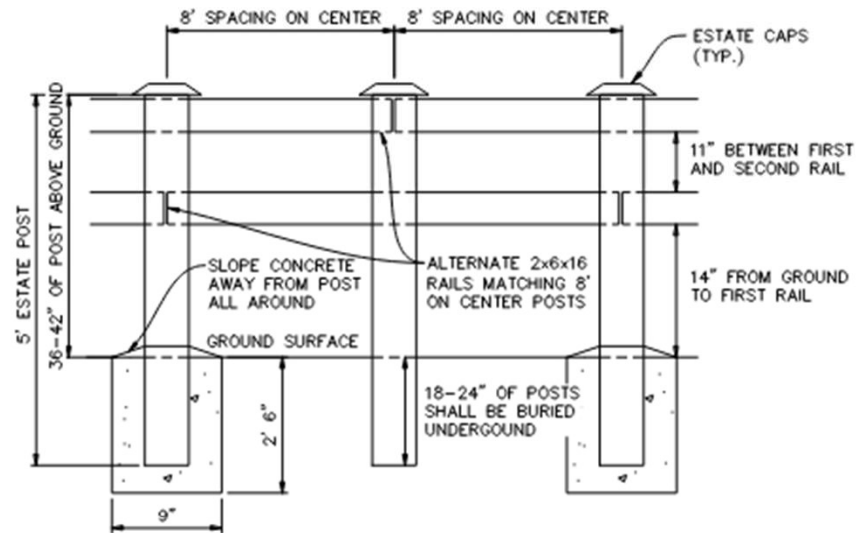
- Reaction to 2007 vehicle accident involving lodgepole fencing
 - City proposed removing the lodgepole fencing
- Other solutions proposed
 - Bright reflectors every 50 ft
 - Rumble strips
- Community Meeting at Olivenhain Town Council
 - Several Councilmembers were present
 - City staff was present
 - City Attorney heavily involved in the discussion
- Determined it meets community character and safety

Composite Fencing: Details



NOTE:

ALL SCREWS SHALL BE INSTALLED ON TRAIL SIDE OF POST.



NOTES:

1. 2-1/2" DECKMATE SCREWS RECOMMENDED
2. ALL MATERIAL COMES IN 16-FOOT LENGTHS AND POSTS SHALL BE CONSTRUCTED USING POSTS DETAIL
3. FILL PVC POSTS WITH CONCRETE AT ALL CHANGES OF DIRECTION, ALL END POSTS, ALL GATES, AND EVERY THIRD POST

COMPOSITE TRAIL FENCE DETAIL

NO SCALE
TRAIL MASTER PLAN

Composite Fencing: Example



El Camino Del Norte, Encinitas

Project Cost Comparison

- Estimated Post & Rope Cost - \$63.05/ft
- Estimated Boral Composite Cost - \$154.58/ft

Updated Project Overview

Using composite material, the new railing would end 584-ft north of Calle Santa Catalina instead of 1,264-ft to 13th St

Composite Fencing End at Same Cost as Post & Rope Fencing



Next Steps

COMMUNITY MEETING

3/06/2024

RETURN TO CITY COUNCIL

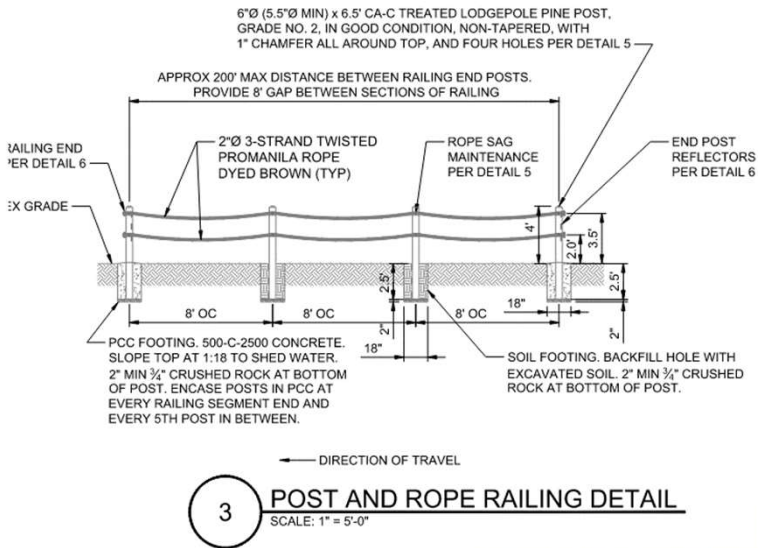
04/2024

CONSTRUCTION

07/2024

**What is your preferred
option?**

Post and Rope Fence Option

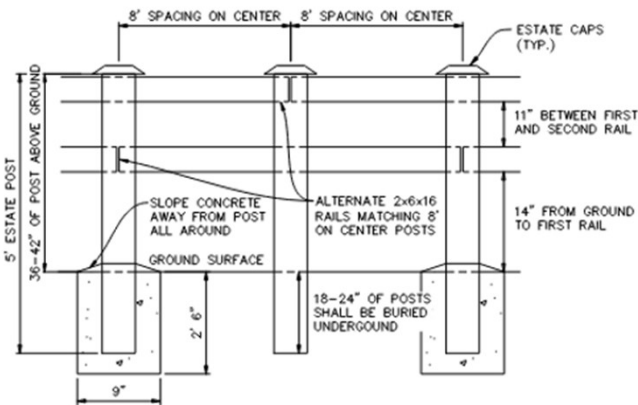


Approximately 1,872 LF of Post and Rope Fence

Lone Jack to 13th Street



Composite Fence Option



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Approximately
1,192 LF of
Composite
Fence

Lone Jack to
Beyond Calle
Santa Catalina

COMPOSITE TRAIL FENCE DETAIL

NO SCALE
TRAIL MASTER PLAN

