MEMORANDUM

MARCH 4, 2015

MEMORANDUM

TO: **TRAFFIC AND SAFETY COMMITTEE**

FROM: **GREG GRAMMER, ASSISTANT CITY MANAGER**
JOANNE ITAGAKI, TRAFFIC ENGINEERING DEPUTY

SUBJECT: **SILVER SPUR PEDESTRIAN PATHWAY PROJECT DESIGN**

BACKGROUND

At the Traffic and Safety Committee meeting on December 10, 2014, public comment was gathered regarding the proposed Silver Spur Pedestrian Pathway Project, which includes the installation of a walking path on the both sides of Silver Spur Road between Palos Verdes Drive North (PVDN) and Kingspine Road.

Much of the discussion focused on the intersection of Silver Spur Road and Marina Drive. This item has been brought back to the Committee to:

- Continue to receive public input on the walking path design;
- Present design alternatives for the intersection of Silver Spur Road and Marina Drive.

DISCUSSION

The Silver Spur Pedestrian Pathway Project includes 5,000 feet of asphalt walking path, new rolled curbs and gutters, crosswalks and related curb ramps. The project will provide separation between pedestrians and fast moving traffic, as well as connect the neighborhoods along Silver Spur Road to Silver Spur Elementary School. The work will be part of a larger Public Works road project which will include street resurfacing and miscellaneous street repairs on adjacent residential streets.

Based on comments received at the last Traffic and Safety Committee meeting, the design alternatives considered for the intersection of Silver Spur Road and Marina Drive include:

Alternative A

Alternative A was previously presented for consideration, which provides an eastbound right turn lane into Marina Drive, two eastbound through lanes, a two-way left turn lane, a westbound through lane and a westbound left turn lane into Marina Drive.

At the last Traffic and Safety Committee meeting, a few residents indicated that the addition of a second eastbound through lane was a concern. The estimated traffic volume on Silver Spur Road is ~14,500 vehicles per day split about evenly in each direction. The two eastbound lanes would not significantly impact the amount of traffic traveling on Silver Spur Road.

We have included an "inset" for each Alternative designed with one eastbound lane on Silver Spur Road at Marina Drive.

Alternative B

Alternative B would add a painted "island" to the eastbound Silver Spur Road right turn only lane at Marina Drive. Residents indicated that some motorists currently use the right turn only lane as a through/right lane and travel directly to Palos Verdes Drive North. This Alternative would prohibit motorists from traveling through the right turn only lane.

The painted island could be supplemented with flexible delineators or large raised pavement markers for additional visibility. The use of the flexible delineators (candlesticks) or large raised pavement markers would serve as visual reminders to motorists of the right turn restriction at Marina Drive. The flexible delineators are more visible because of their height. The large raised pavement markers, however, provide the same hindrance to vehicles and motorists.

Alternative C

Alternative C provides additional traffic striping control for left turn movements into and out of Marina Dive. This Alternative creates a painted island in the center of the intersection to help direct left turning vehicles.

For vehicles turning left from Marina Drive onto Silver Spur Road, the painted island provides a storage area/acceleration lane on Silver Spur Road for these vehicles to merge into westbound traffic. This is similar to a two-way left turn lane but it removes/minimizes conflicts with other vehicles traveling in the opposite direction as is sometimes experienced in two-way left turn lanes.

For vehicles turning left from Silver Spur Road into Marina Drive, the painted island assists motorists by directing them on where their left turn should be executed. The painted island should minimize vehicles traveling too far west to turn into Marina Drive or "cutting the turn too short" and conflicting with vehicles coming out of Marina Drive.

Alternative D

Alternative D is a combination of Alternatives B and C and is shown as raised median islands. This Alternative could also be painted islands. The size of the raised median islands may be able to accommodate some landscaping. However, the island in the center of the intersection would be restricted to very low growing vegetation to provide a clear line of sight for oncoming traffic.

Based on the information gathered at this meeting, the plans will be modified as needed to address concerns, suggestions, and other comments to the degree possible, and presented to the City Council for review and approval.

RECOMMENDATION

It is recommended that the Traffic and Safety Committee discuss the project details, receive public testimony and provide direction to staff regarding the Silver Spur Pedestrian Pathway Project, including alternatives for the intersection at Silver Spur Road and Marina Drive.

Attachments: Alternatives A – D Design Concepts
Silver Spur Road Site Photos

Attachment 1

SITE PHOTOS

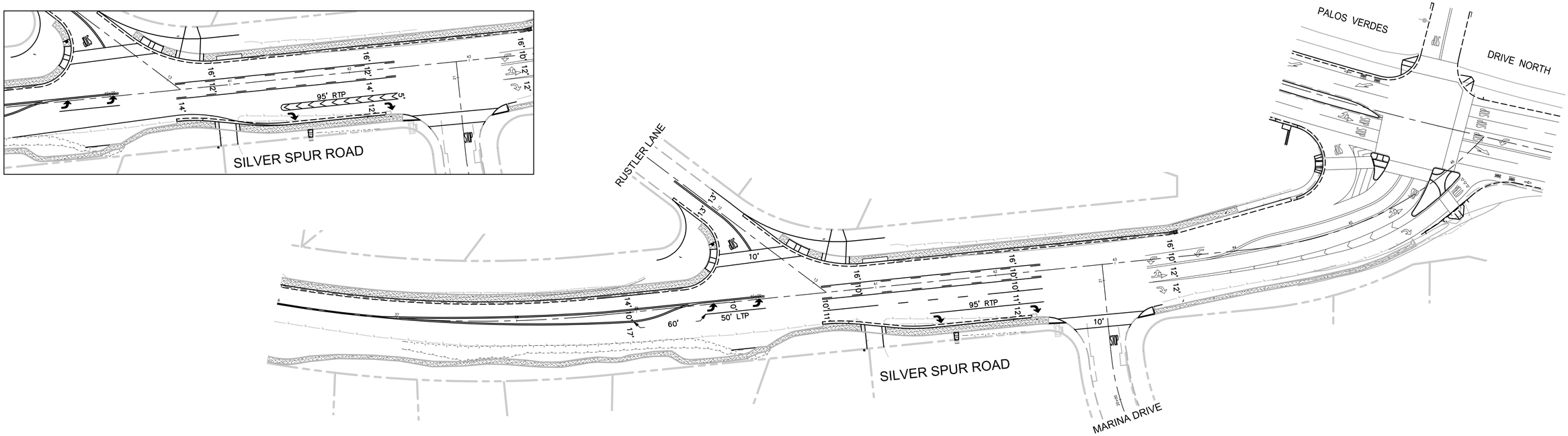
Silver Spur Road South of Palos Verdes Drive North Looking North

Silver Spur Road at Range Horse Road Looking South

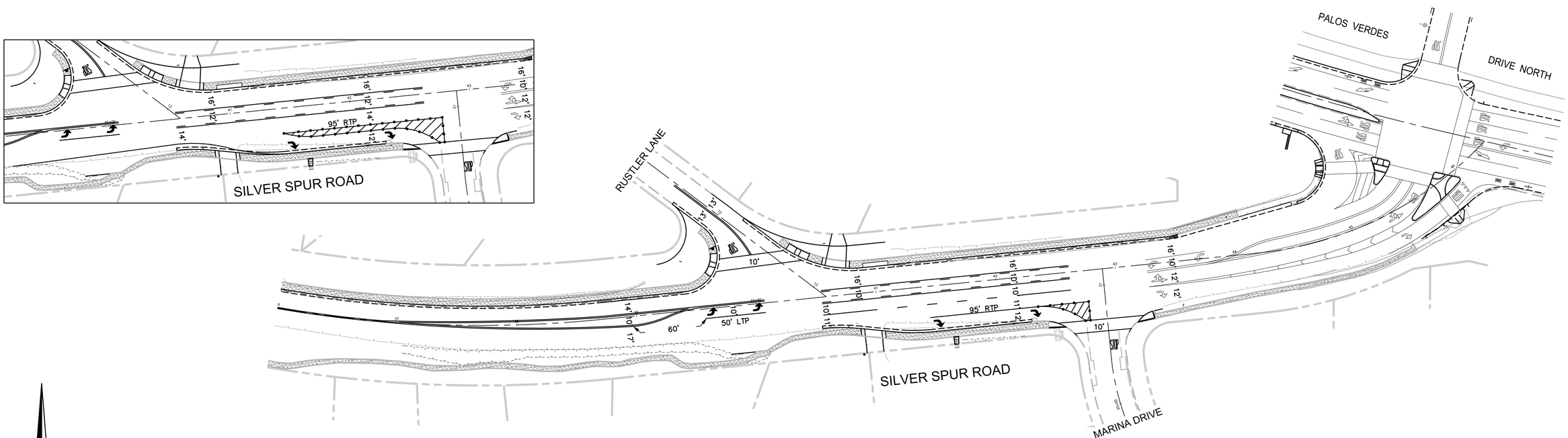
SITE PHOTOS

Silver Spur Road at Range Horse Road Looking North

Silver Spur Road North of Kingspine Road Looking North



ALTERNATIVE A



ALTERNATIVE B

SCALE: 1"=40'

REGISTERED PROFESSIONAL ENGINEER
VANESSA MUNOZ
No. 67583
EXP. 06-30-15
CIVIL
STATE OF CALIFORNIA

PLANS PREPARED BY:
WILLDAN Engineering
extending your reach
13191 CROSSROADS PARKWAY NORTH
SUITE 405 INDUSTRY, CA 91746-3497
(562) 908-6200
UNDER THE SUPERVISION OF

VANESSA MUNOZ, RCE No. 67583 Date

BENCH MARK:
NO. _____ ELEV. _____
DATE ADJ. _____ QUAD. _____

NONE

REVISIONS			
NO.	DESCRIPTION	APP.	DATE

CITY OF ROLLING HILLS ESTATES

SIGNING AND STRIPING CONCEPTS

SILVER SPUR ROAD
RUSTLER LANE TO MARINA DRIVE

DRAWN BY: JL	SHT. OF SHTS.	PLAN NO.
DESIGNED BY: JL		
CHECKED BY: VM		

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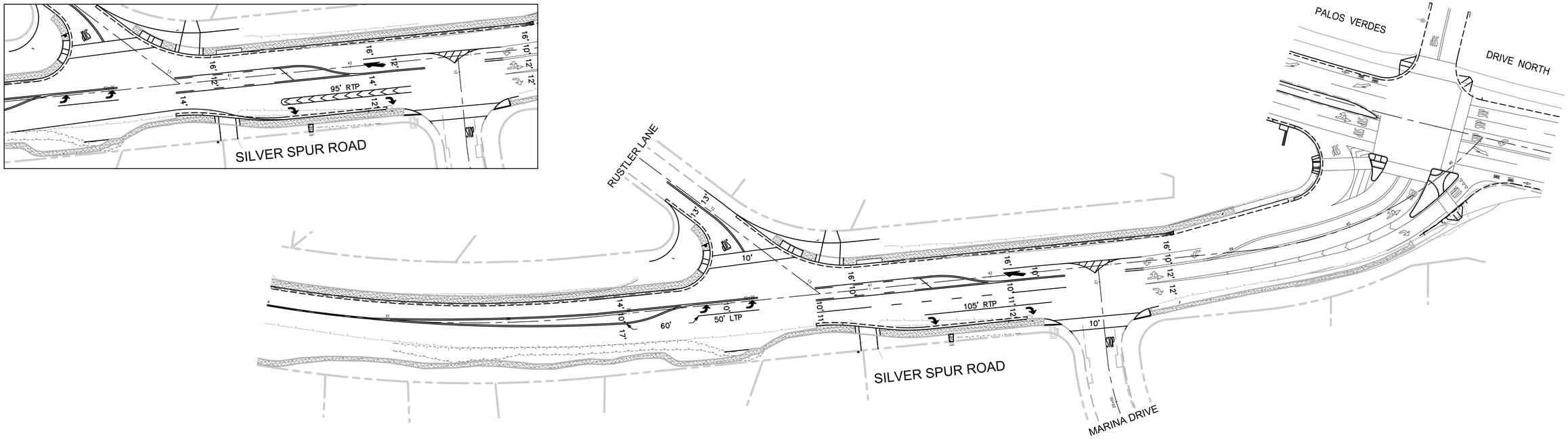
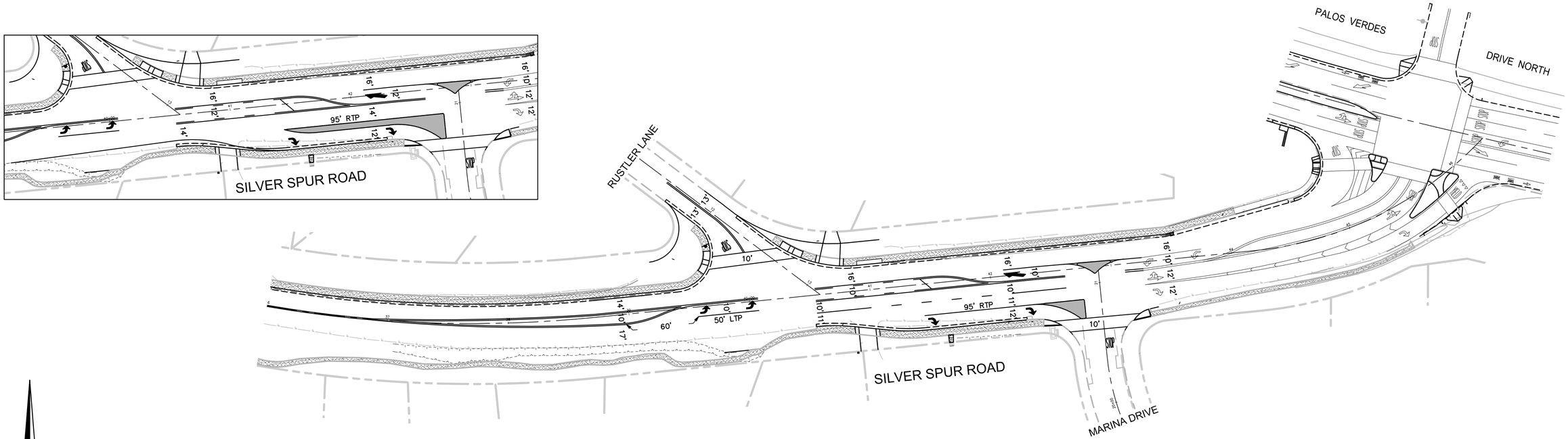


ALTERNATIVE C



ALTERNATIVE D

N

SCALE: 1"=40'

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VANESSA MUNOZ, RCE No. 67583 Date

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NO. _____ ELEV. _____
DATE ADJ. _____ QUAD. _____

NONE

REVISIONS			
NO.	DESCRIPTION	APP.	DATE

CITY OF ROLLING HILLS ESTATES

SIGNING AND STRIPING CONCEPTS
FOR
SILVER SPUR ROAD
RUSTLER LANE TO MARINA DRIVE

DRAWN BY: JL	SHT. OF SHTS.	PLAN NO.
DESIGNED BY: JL		
CHECKED BY: VM		

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