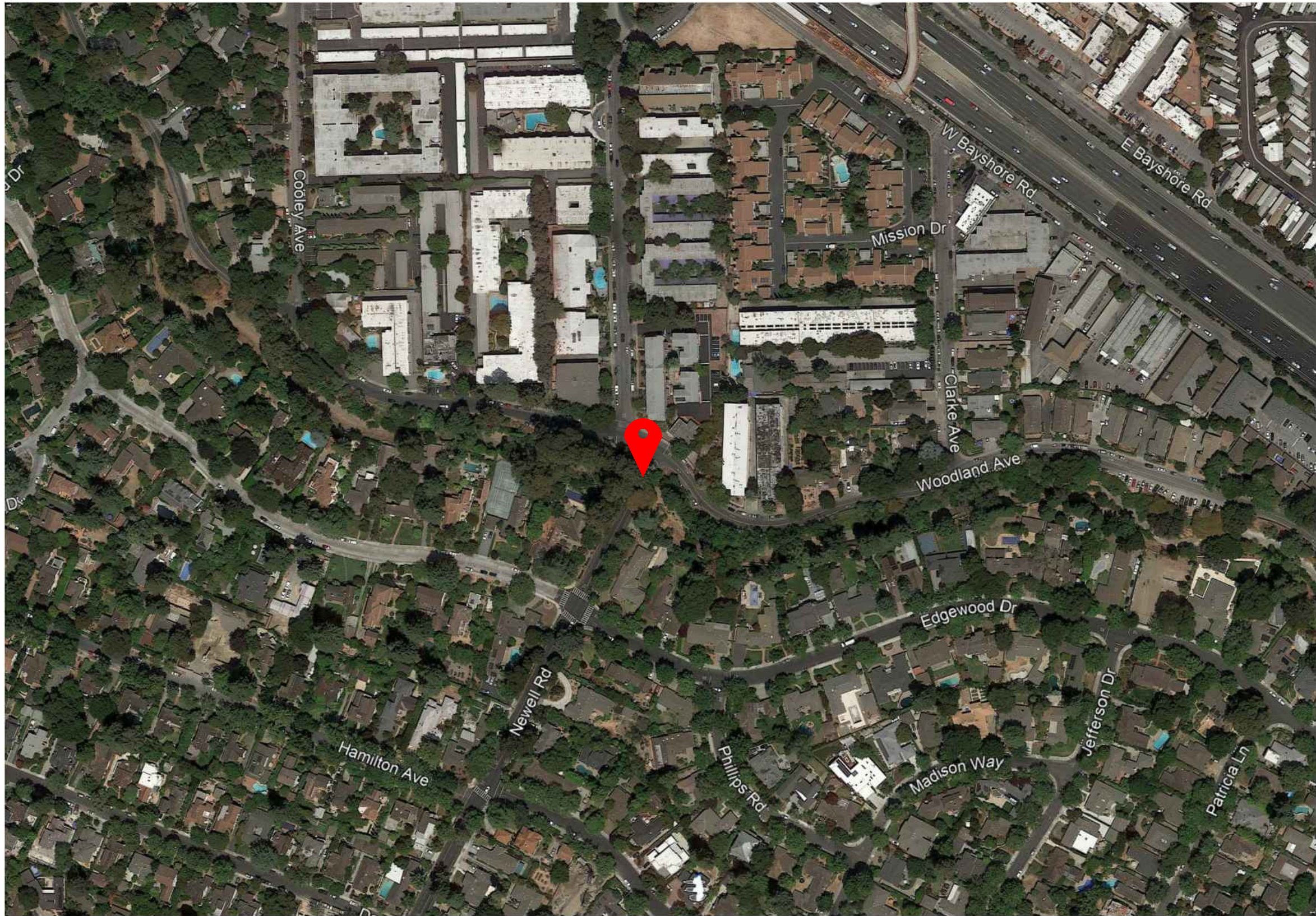




LEGEND:



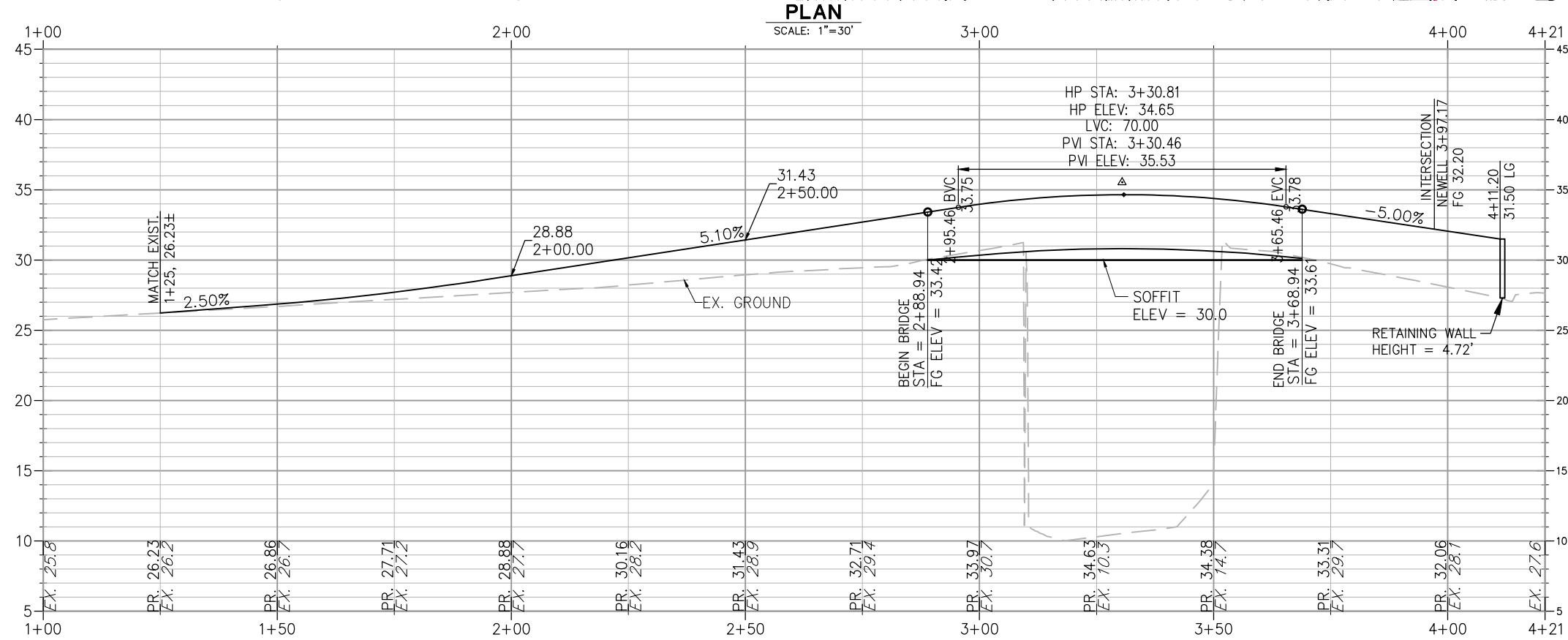
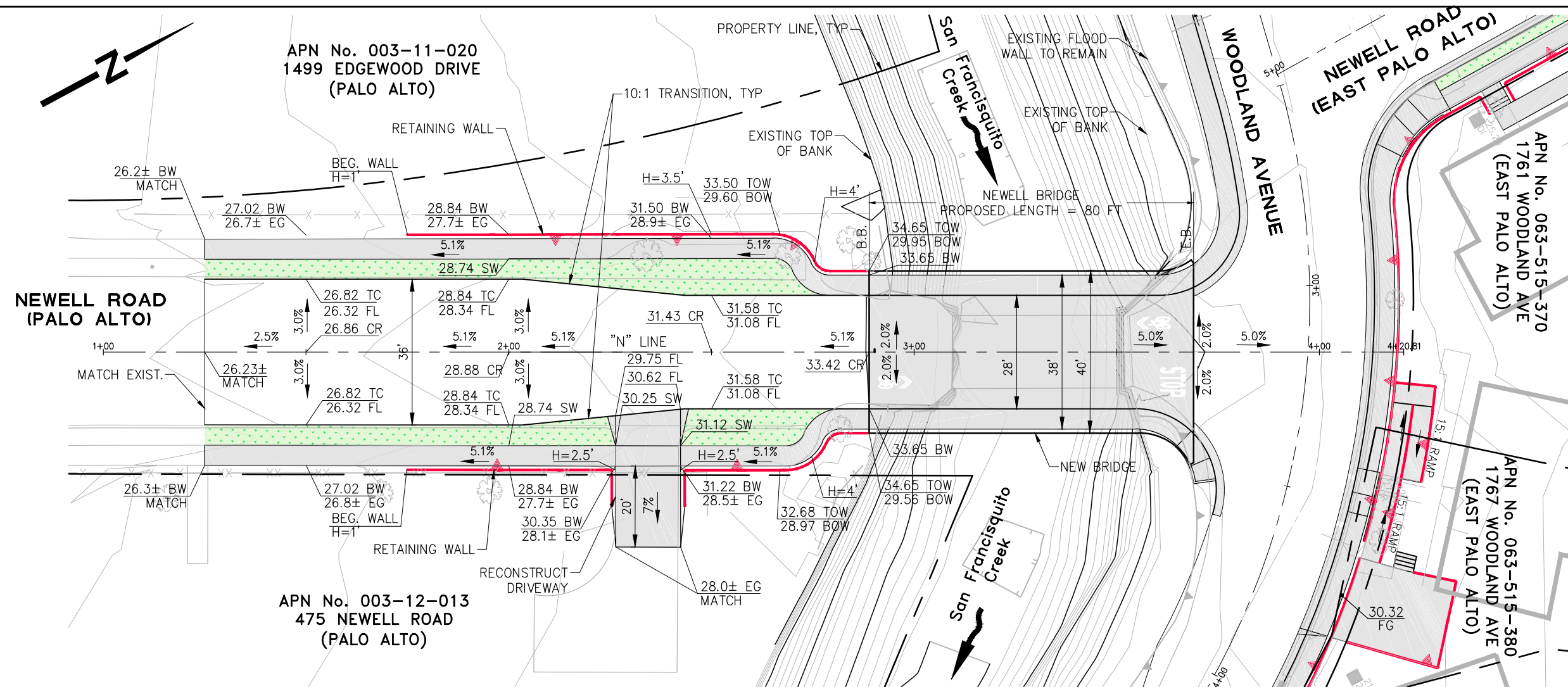
PROJECT LOCATION

PROJECT VICINITY MAP

NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO



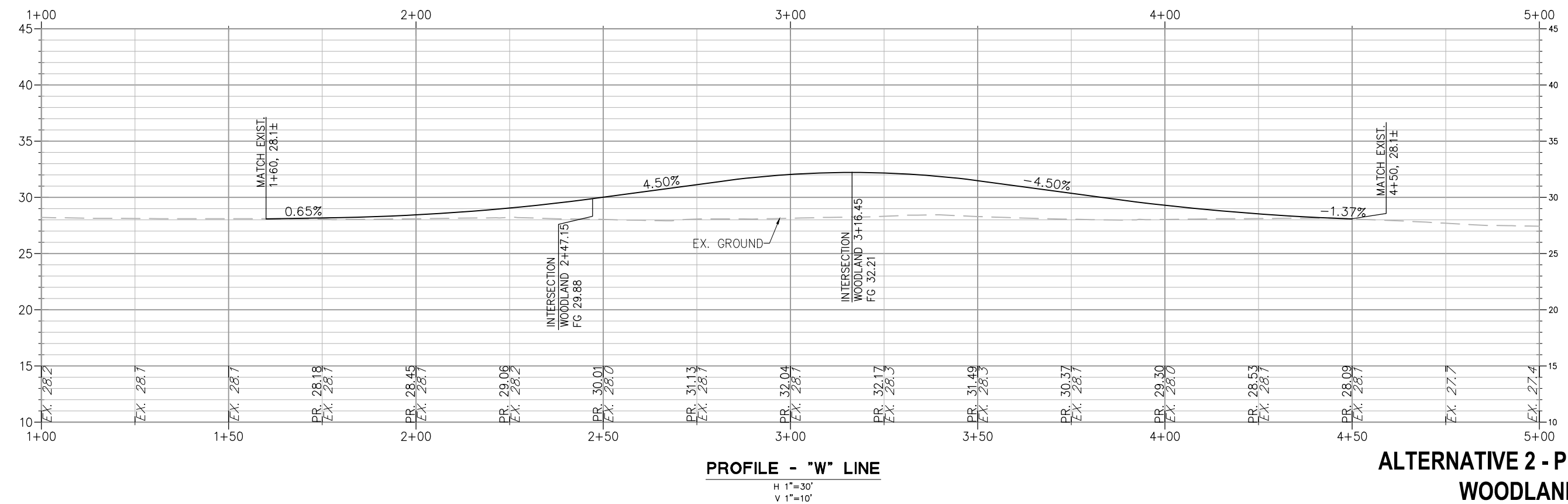
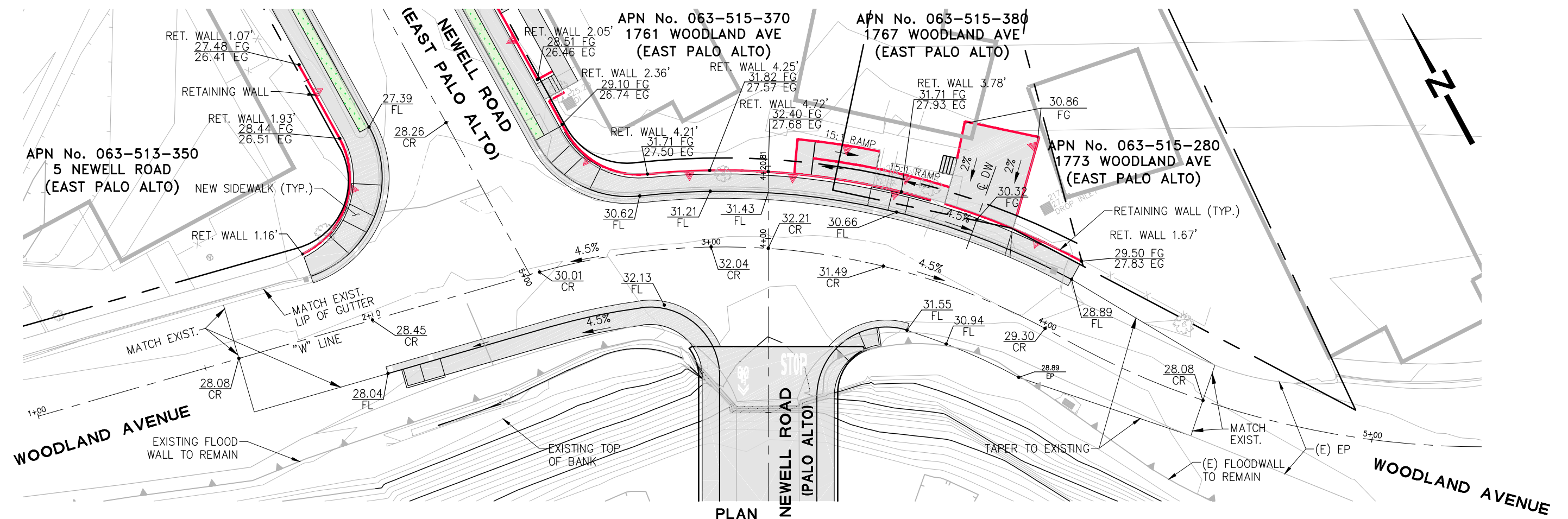


ALTERNATIVE 2 - PLAN AND PROFILE NEWELL ROAD (PALO ALTO)

NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO



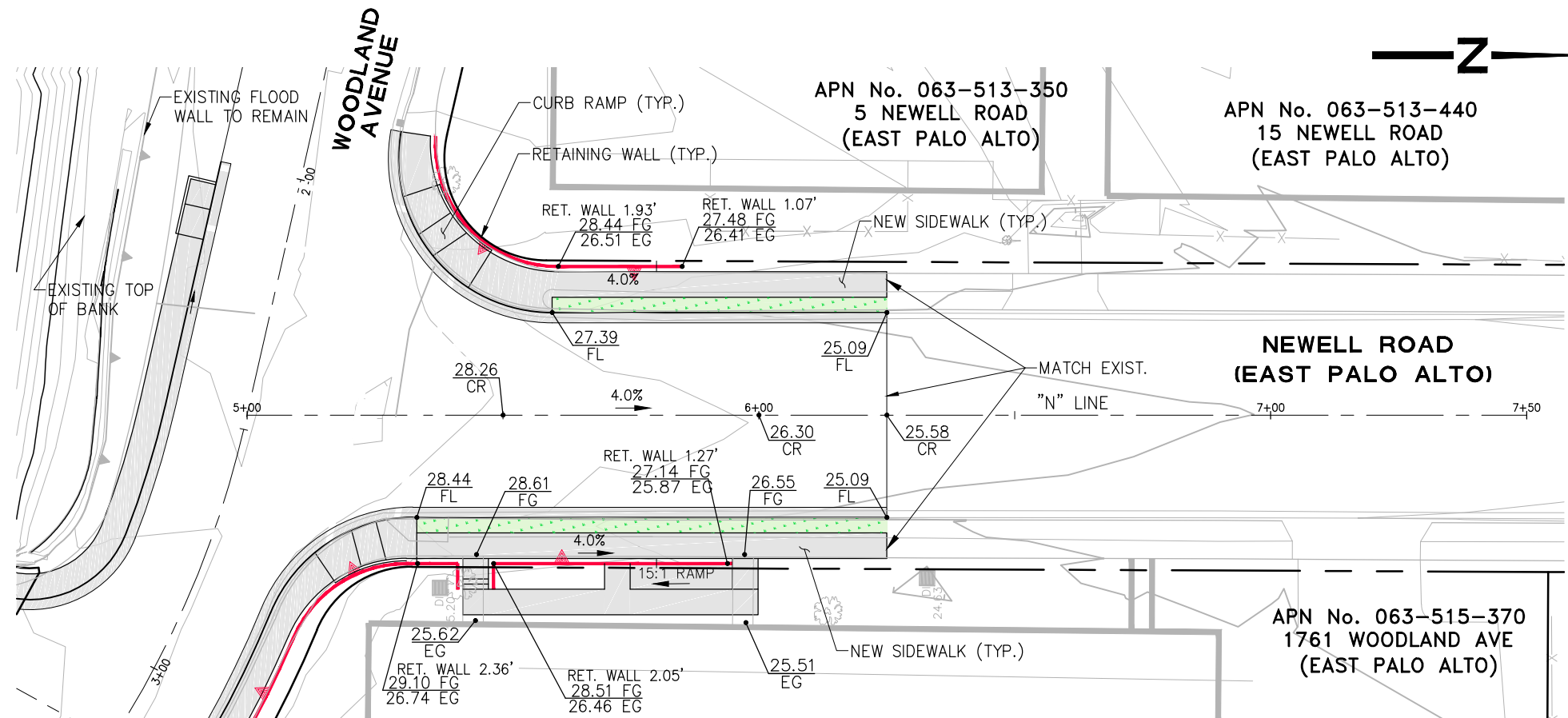


ALTERNATIVE 2 - PLAN AND PROFILE WOODLAND AVENUE

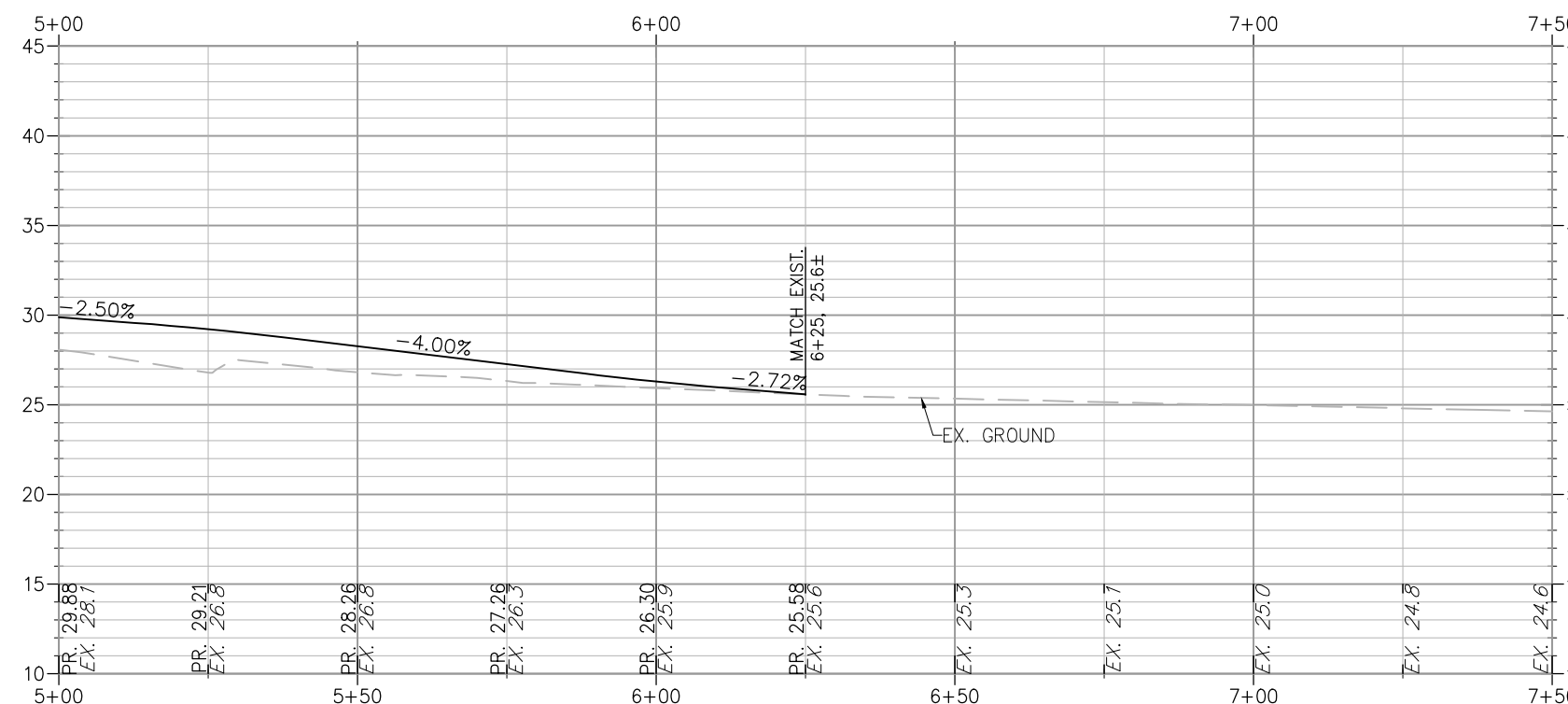
NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO





PLAN
SCALE: 1"=30'



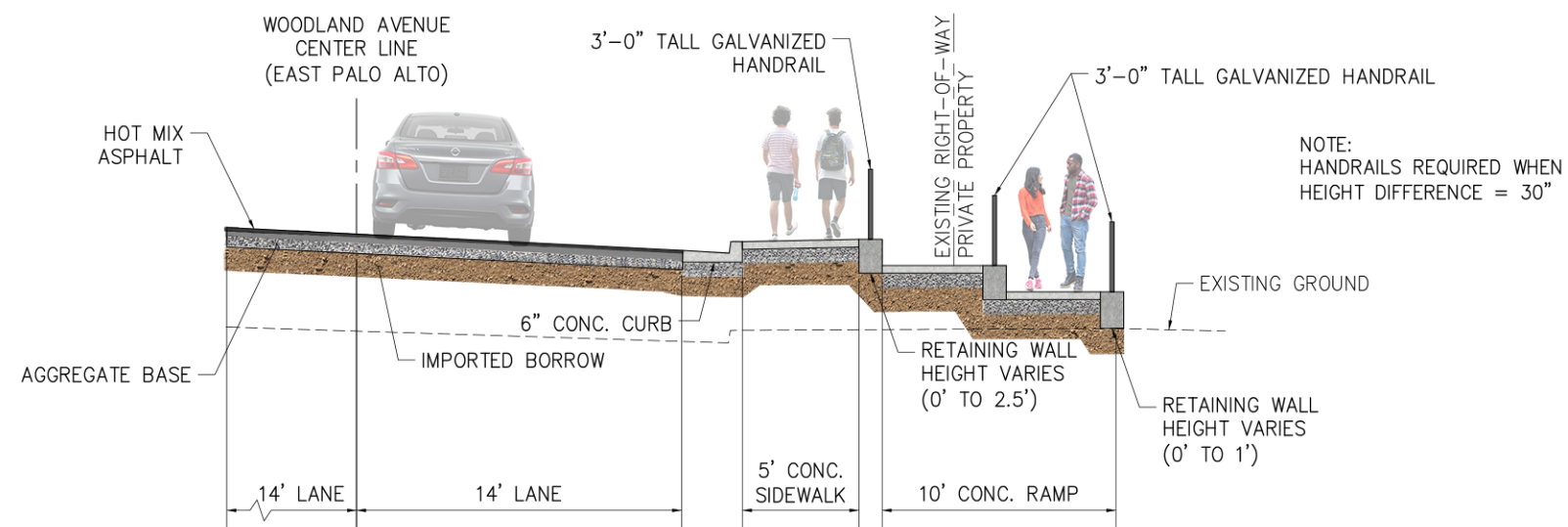
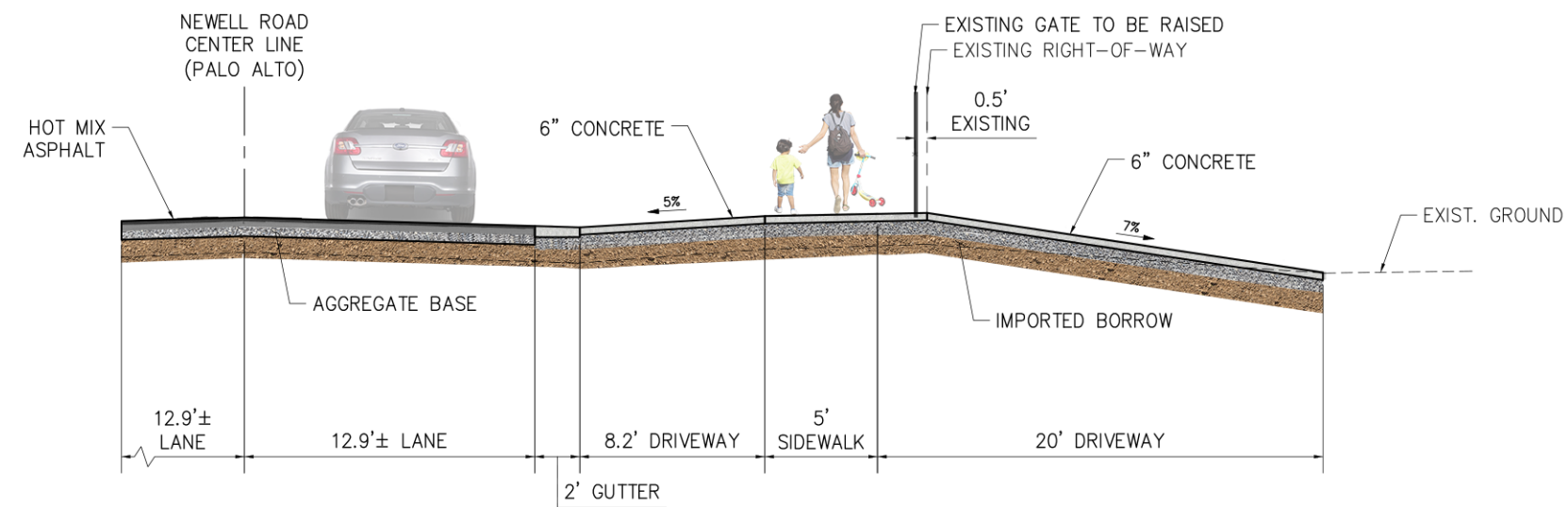
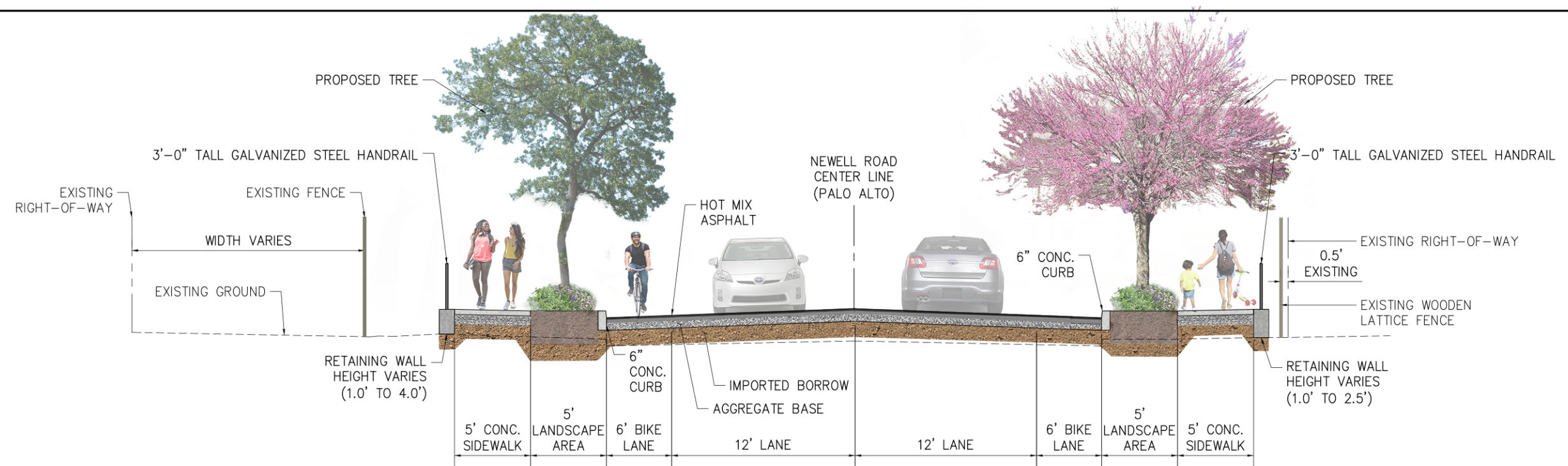
PROFILE - "N" LINE
H 1"=30'
V 1"=10'

ALTERNATIVE 2 - PLAN AND PROFILE NEWELL ROAD (EAST PALO ALTO)

NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO



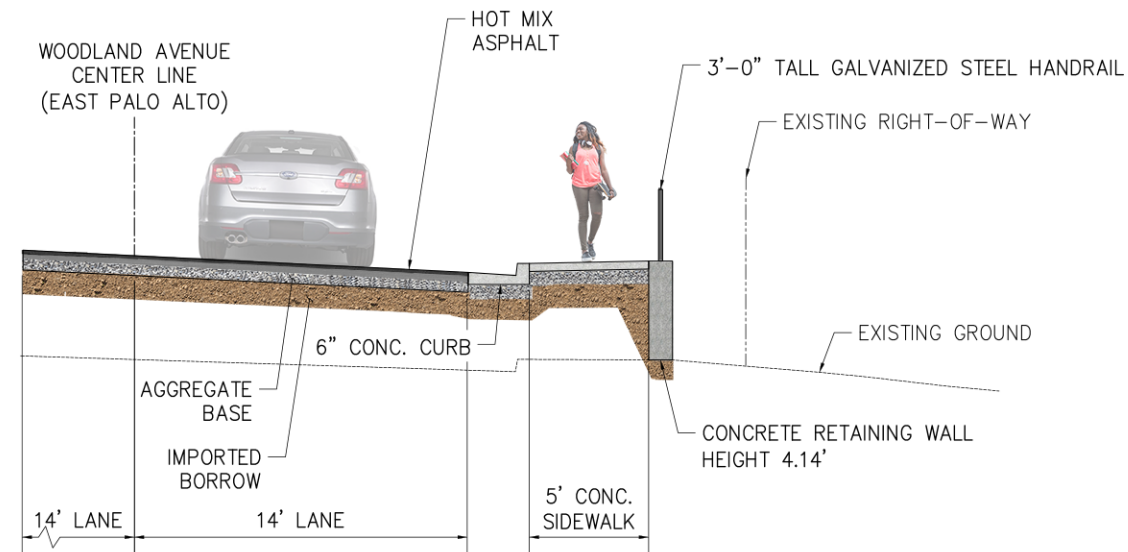


ALTERNATIVE 2 - CROSS SECTIONS

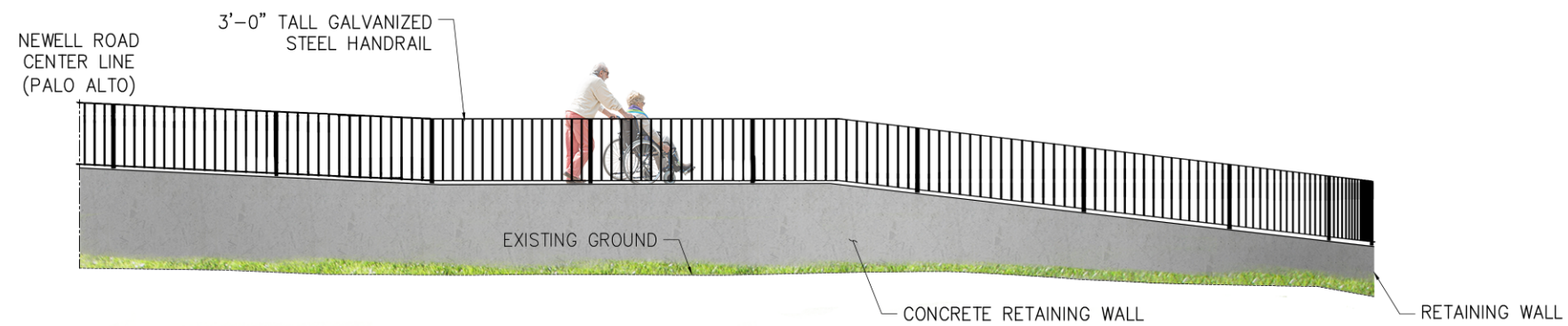
NEWELL ROAD OVER SAN FRANCISQUITO CREEK BRIDGE REPLACEMENT PROJECT

CITY OF PALO ALTO

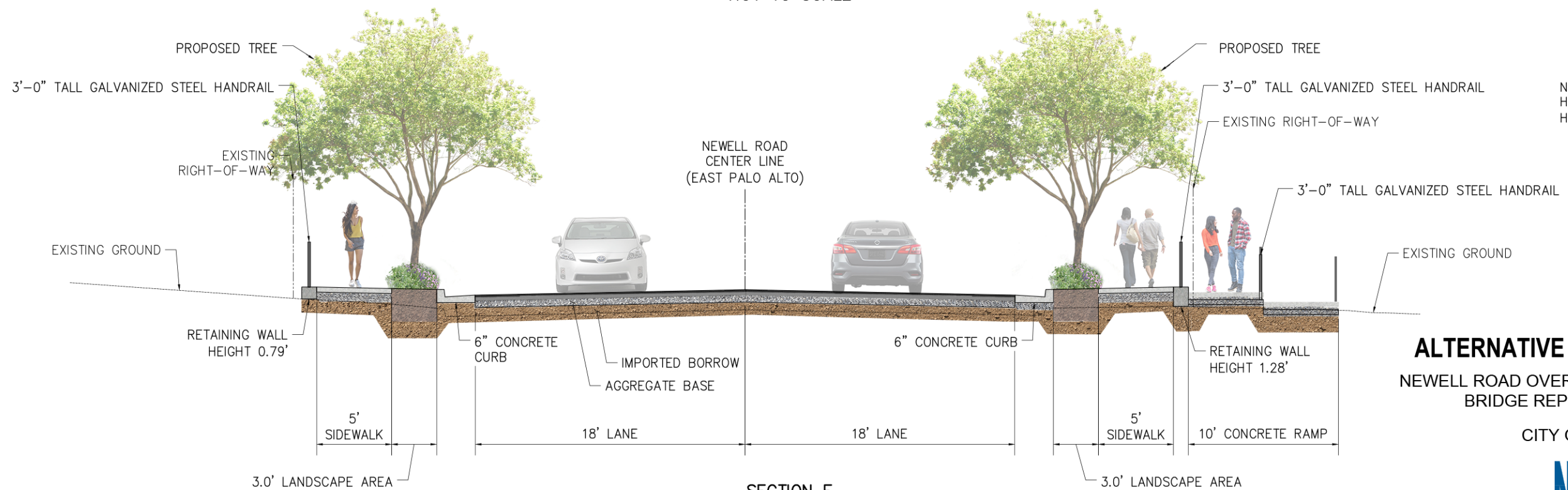
N|V|5



SECTION D
NOT TO SCALE



SECTION E
NOT TO SCALE



SECTION F
NOT TO SCALE

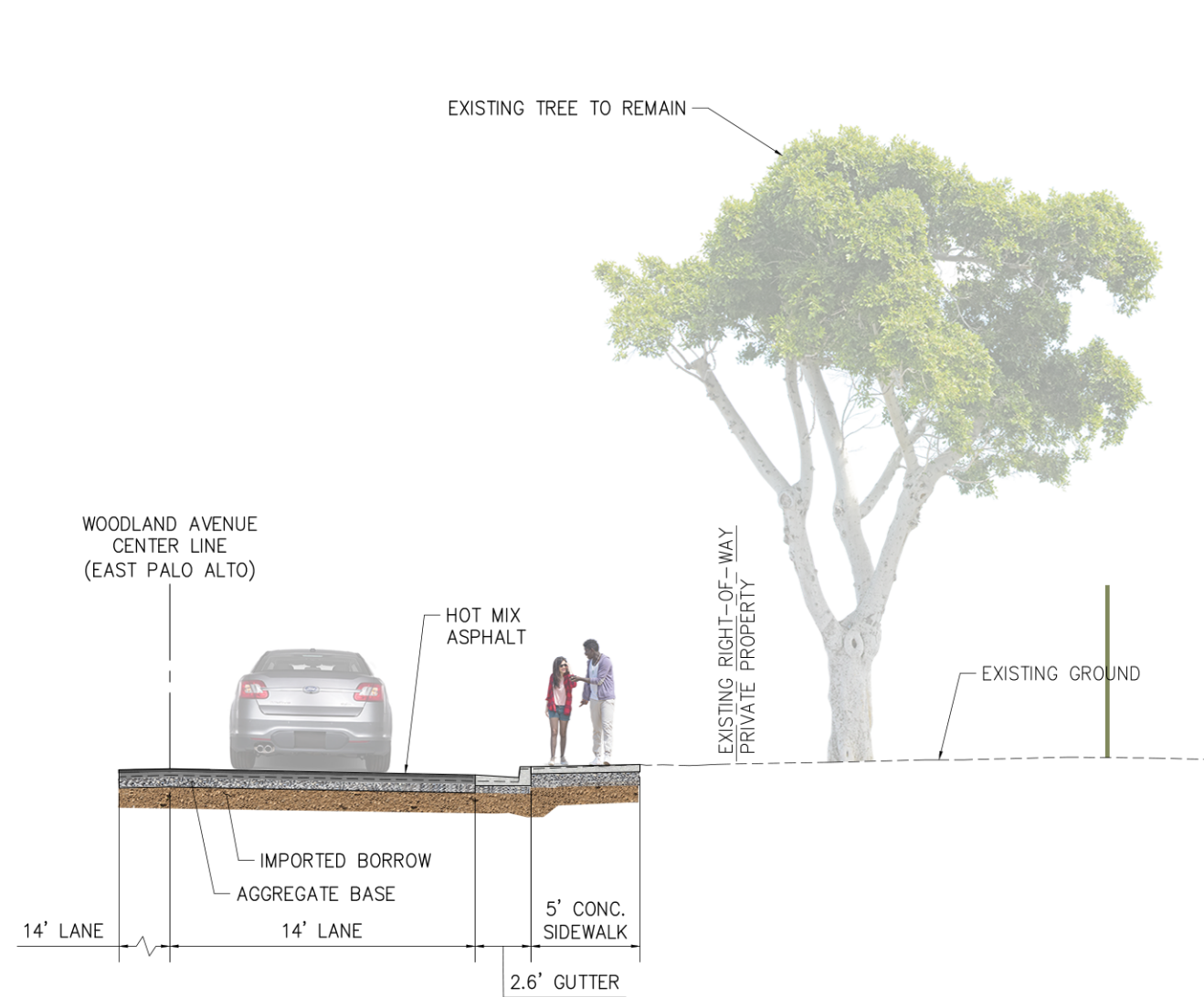
NOTE:
HANDRAILS REQUIRED WHEN
HEIGHT DIFFERENCE = 30"

ALTERNATIVE 2 - CROSS SECTIONS

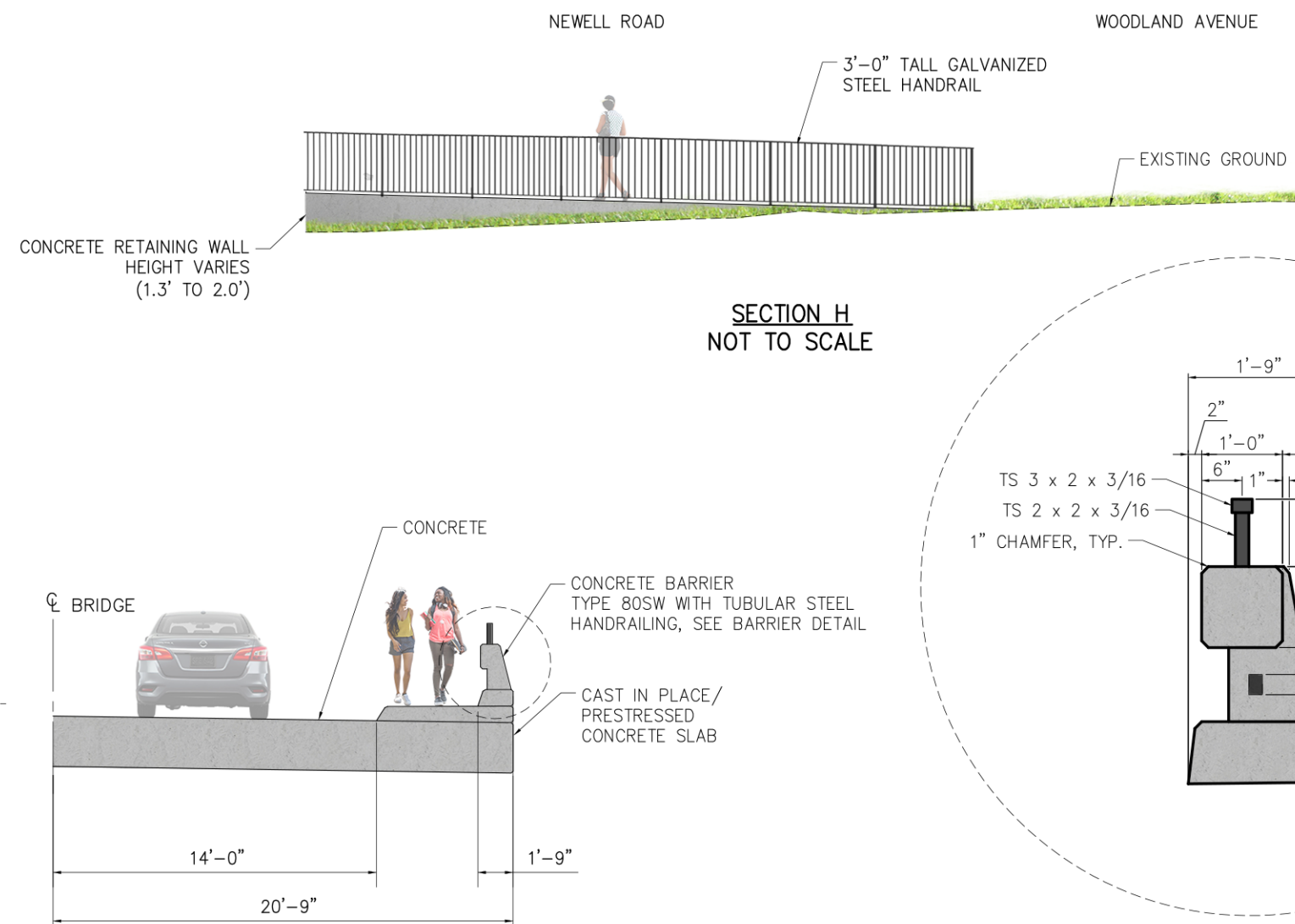
NEWELL ROAD OVER SAN FRANCISQUITO CREEK
BRIDGE REPLACEMENT PROJECT

CITY OF PALO ALTO

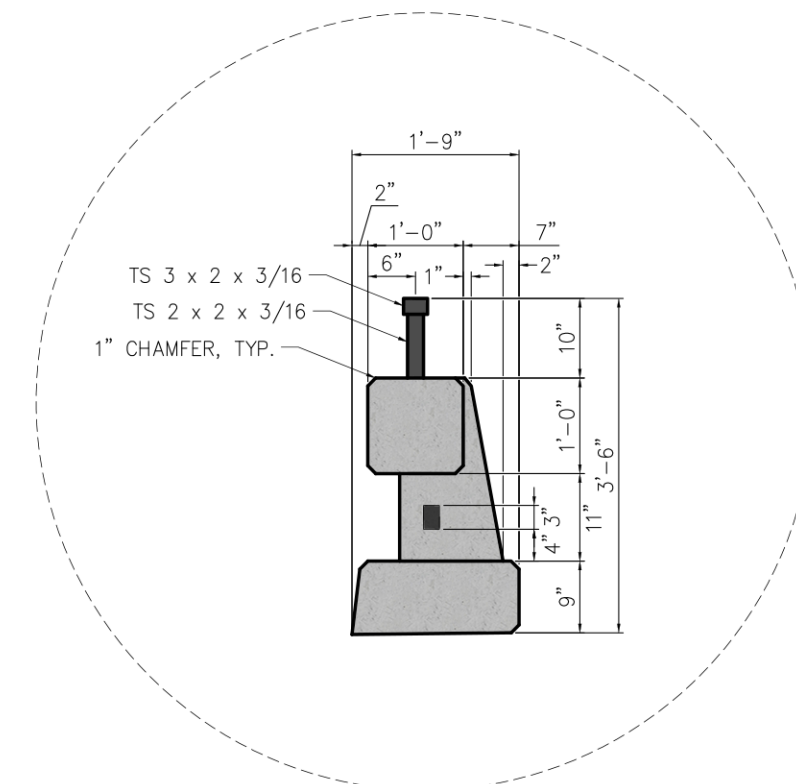
N|V|5



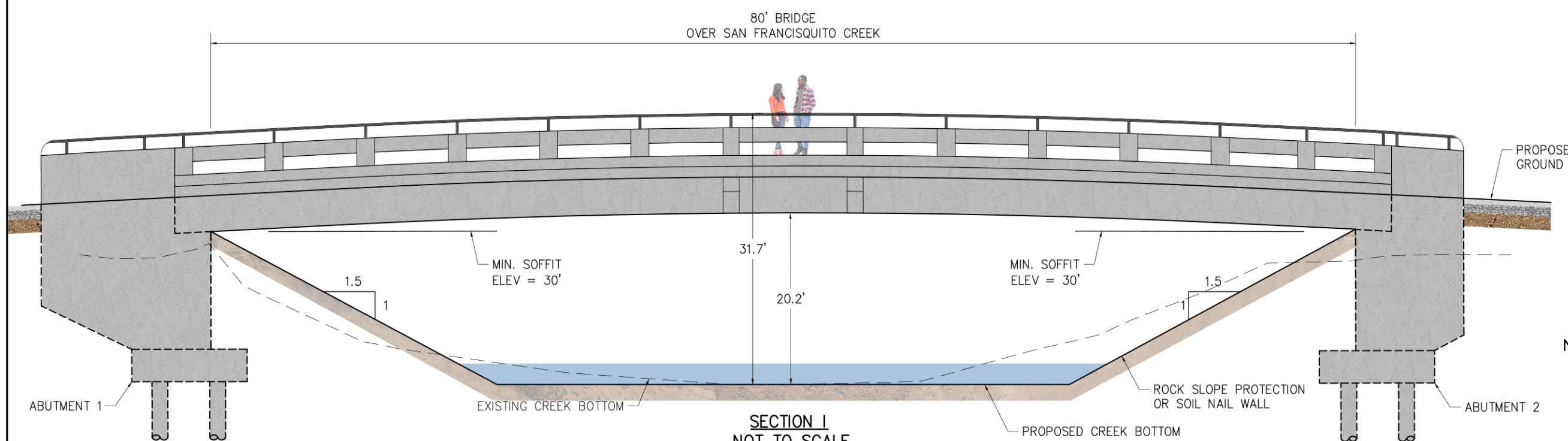
SECTION G
NOT TO SCALE



BRIDGE SIDEWALK DETAIL
NOT TO SCALE



CONCRETE BARRIER DETAIL
NOT TO SCALE



SECTION I
NOT TO SCALE

ALTERNATIVE 2 - CROSS SECTIONS
NEWELL ROAD OVER SAN FRANCISQUITO CREEK
BRIDGE REPLACEMENT PROJECT

CITY OF PALO ALTO



LEGEND:

- /// ABANDONED LINE
- G G EXISTING GAS LINE
- OH OH OH EXISTING OVERHEAD LINE
- SS EXISTING SANITARY SEWER LINE
- W EXISTING WATER LINE

APN No. 003-11-020
1499 EDGEWOOD DRIVE
(PALO ALTO)

APN No. 063-513-350
5 NEWELL ROAD
(EAST PALO ALTO)

APN No. 063-515-370
1761 WOODLAND AVENUE
(EAST PALO ALTO)

APN No. 063-515-380
1767 WOODLAND AVE
(EAST PALO ALTO)

APN No. 063-515-280
1773 WOODLAND AVENUE
(EAST PALO ALTO)

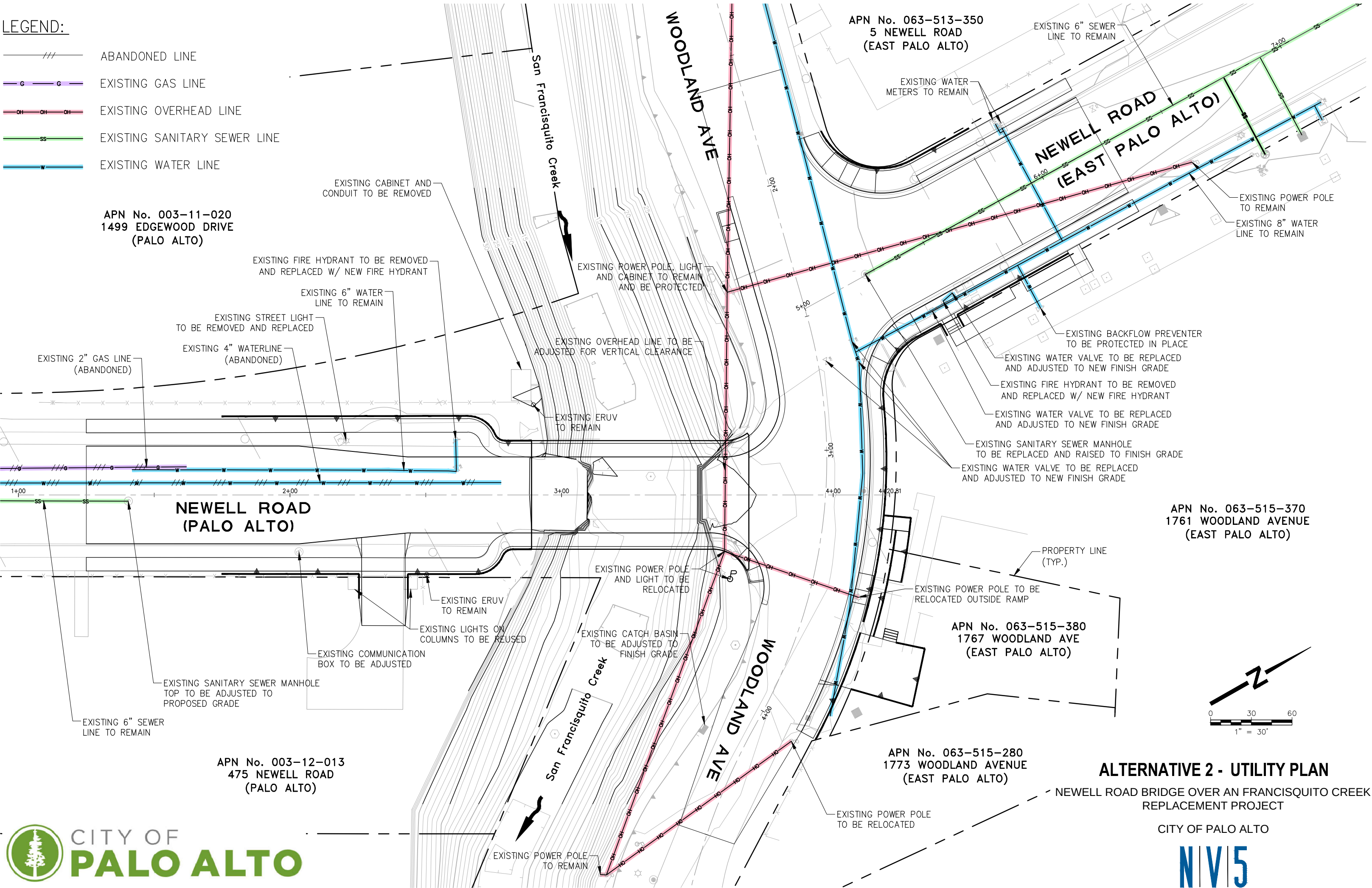
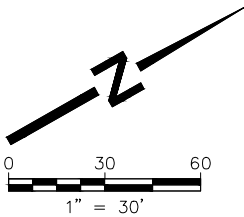
APN No. 003-12-013
475 NEWELL ROAD
(PALO ALTO)



ALTERNATIVE 2 - UTILITY PLAN

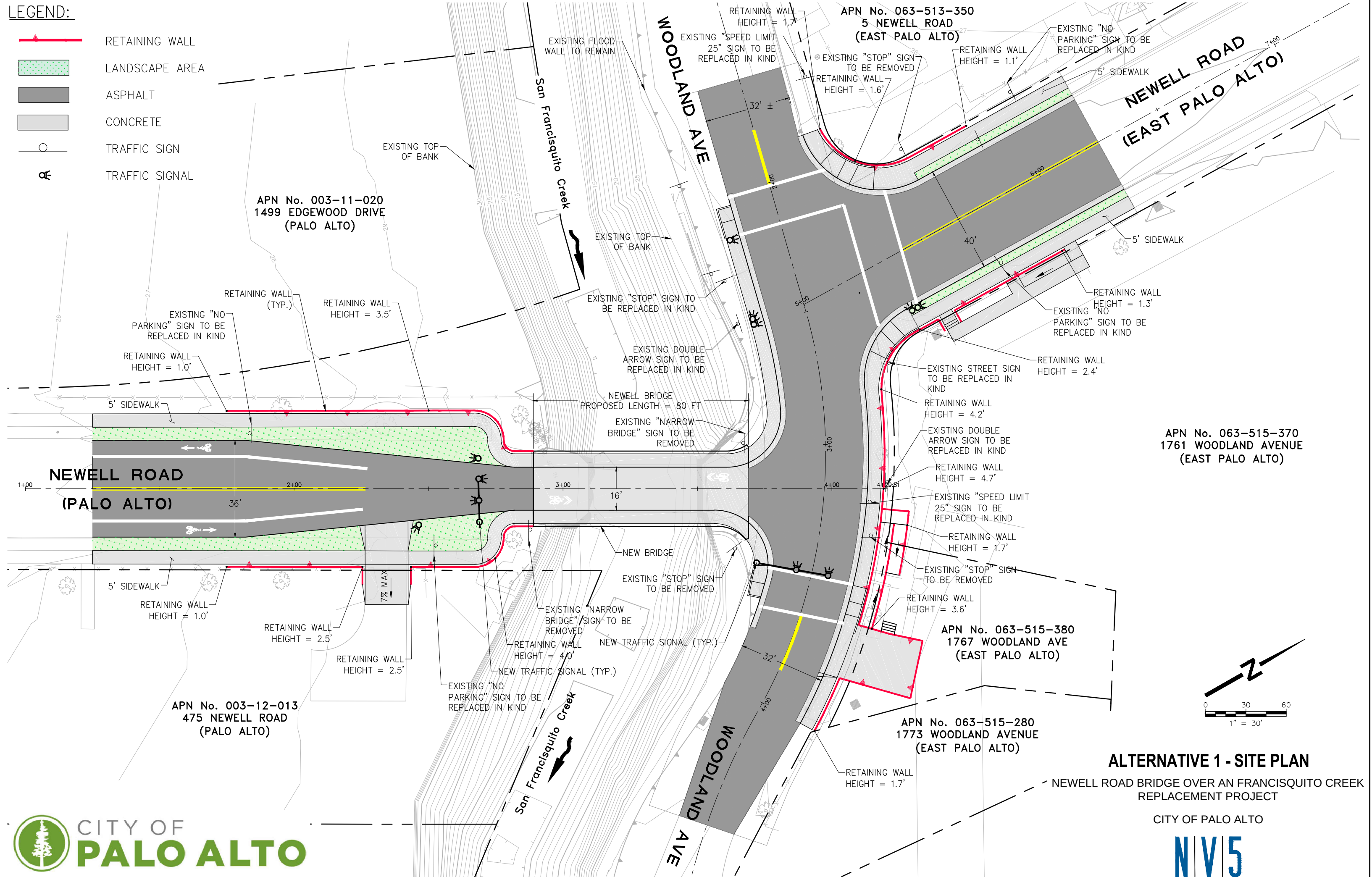
NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO



	RETAINING WALL
	LANDSCAPE AREA
	ASPHALT
	CONCRETE
	TRAFFIC SIGN
	TRAFFIC SIGNAL

RETAINING WALL
LANDSCAPE AREA
ASPHALT
CONCRETE
TRAFFIC SIGN
TRAFFIC SIGNAL



ALTERNATIVE 1 - SITE PLAN

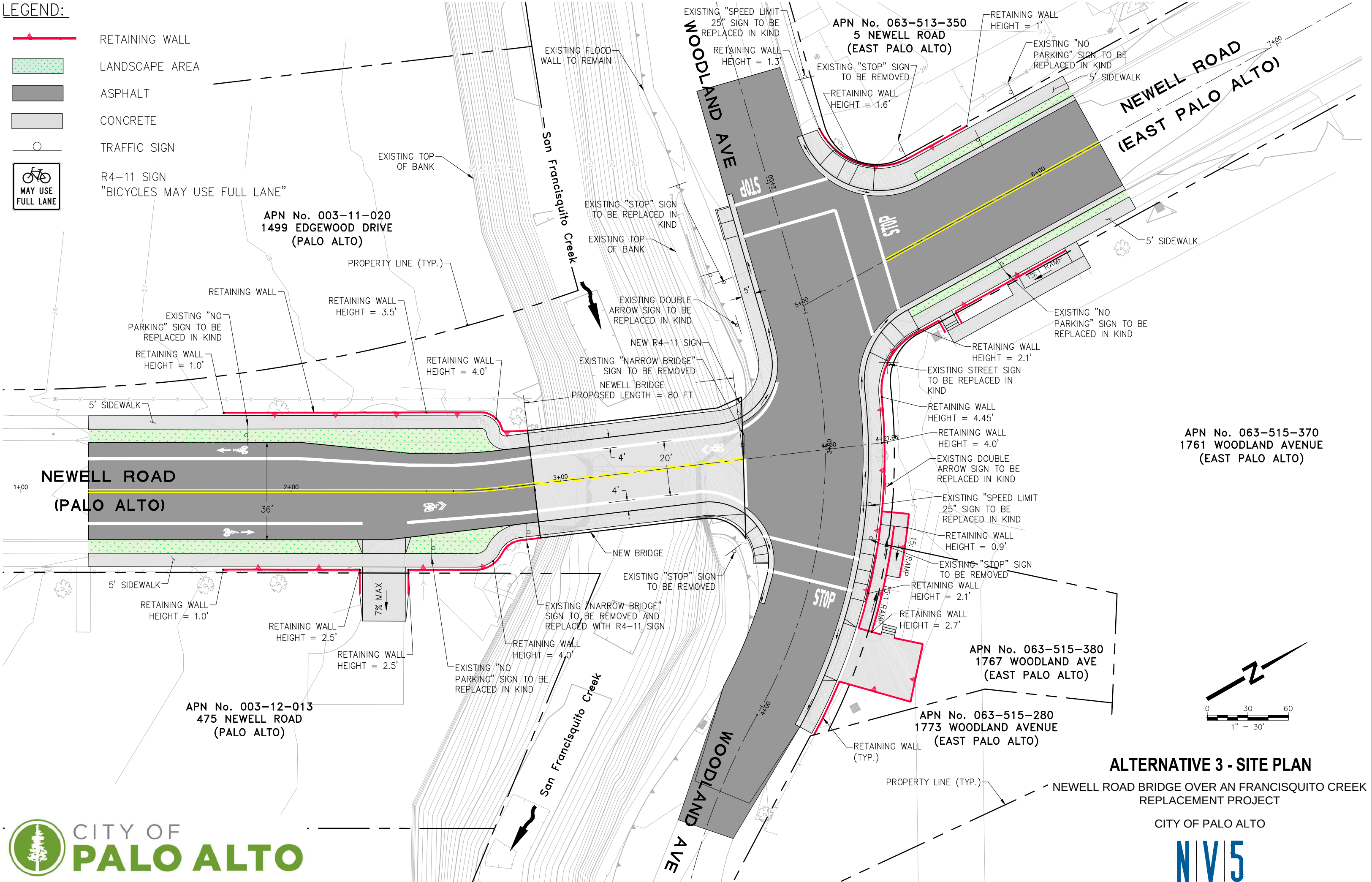
NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO



LEGEND:

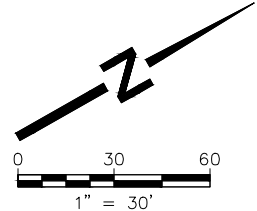
- RETAINING WALL
- LANDSCAPE AREA
- ASPHALT
- CONCRETE
- TRAFFIC SIGN
- R4-11 SIGN
"BICYCLES MAY USE FULL LANE"



APN No. 063-515-370
1761 WOODLAND AVENUE
(EAST PALO ALTO)

APN No. 063-515-380
1767 WOODLAND AVE
(EAST PALO ALTO)

APN No. 063-515-280
1773 WOODLAND AVENUE
(EAST PALO ALTO)



ALTERNATIVE 3 - SITE PLAN

NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO



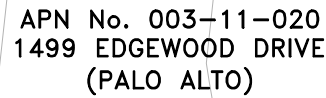
- 
- LANDSCAPE AREA

- ASPHALT

- CONCRETE

- TRAFFIC SIGN

- 
- R11-4 SIGN
"BICYCLES MAY USE FULL LANE"



NEWELL ROAD
(PALO ALTO)

APN No. 063-515-370
1761 WOODLAND AVENUE
(EAST PALO ALTO)

APN No. 063-515-380
1767 WOODLAND AVE
(EAST PALO ALTO)

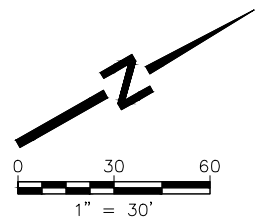
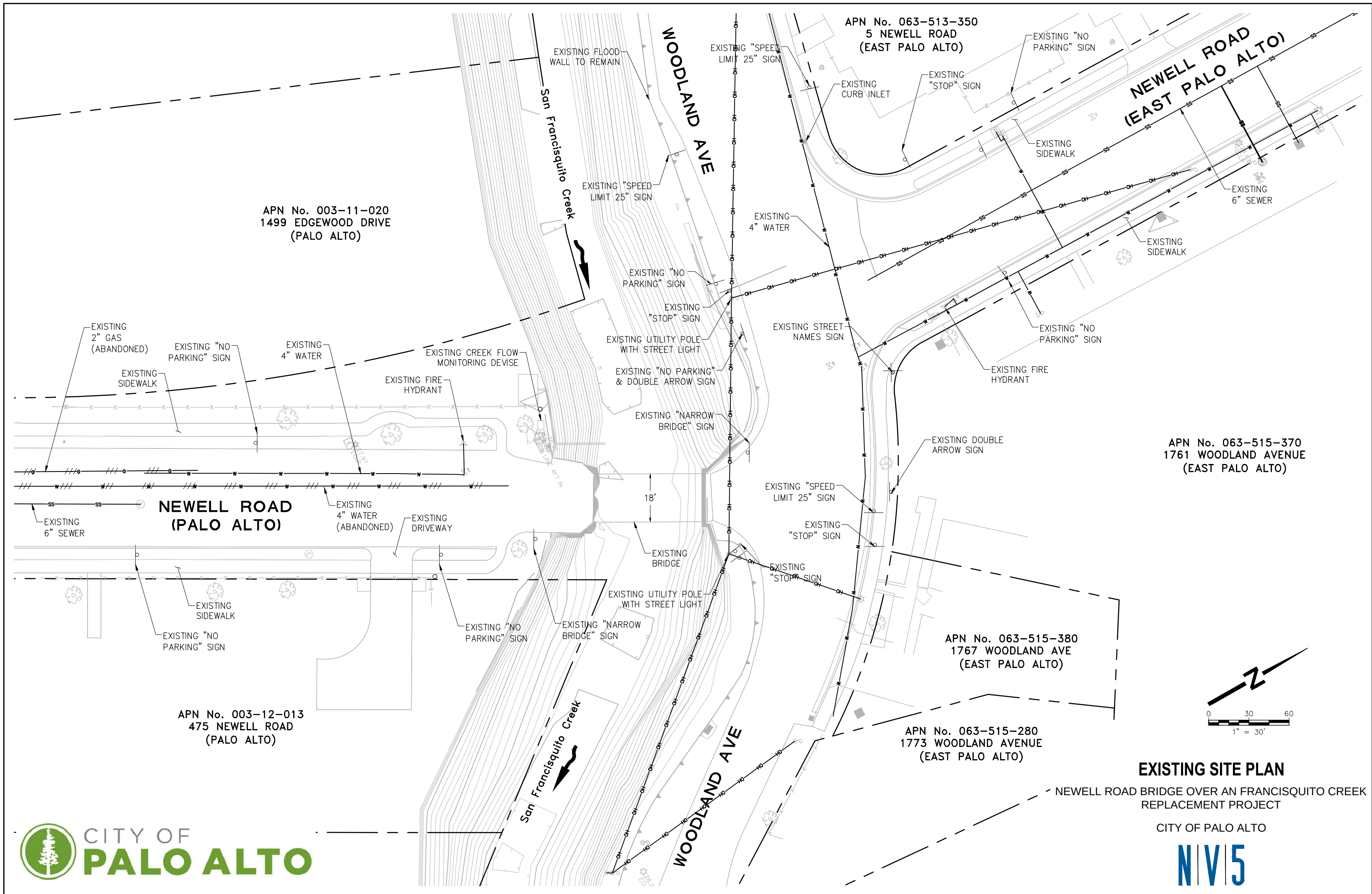
APN No. 063-515-280
1773 WOODLAND AVENUE
(EAST PALO ALTO)

ALTERNATIVE 4 - SITE PLAN

NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO





EXISTING SITE PLAN

NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO



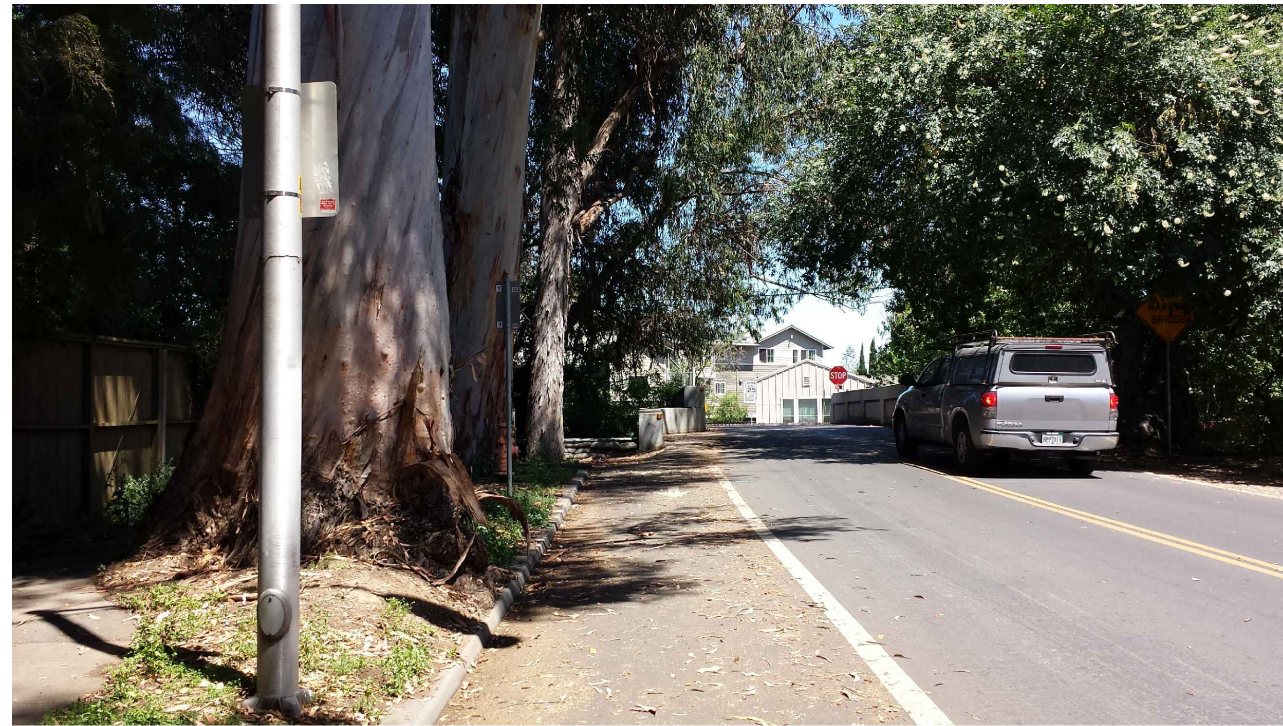


IMAGE 1: NEWELL BRIDGE VIEW FROM PALO ALTO



IMAGE 2: NEWELL BRIDGE VIEW FROM PALO ALTO



IMAGE 3: NEWELL BRIDGE VIEW FROM PALO ALTO



IMAGE 4: NEWELL BRIDGE VIEW FROM EAST PALO ALTO

PROJECT SITE PHOTOS - 1
NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO





IMAGE 5: NEWELL BRIDGE VIEW FROM EAST PALO ALTO



IMAGE 6: WOODLAND AVENUE ON EAST PALO ALTO



IMAGE 7: WOODLAND AVENUE AT NEWELL BRIDGE INTERSECTION

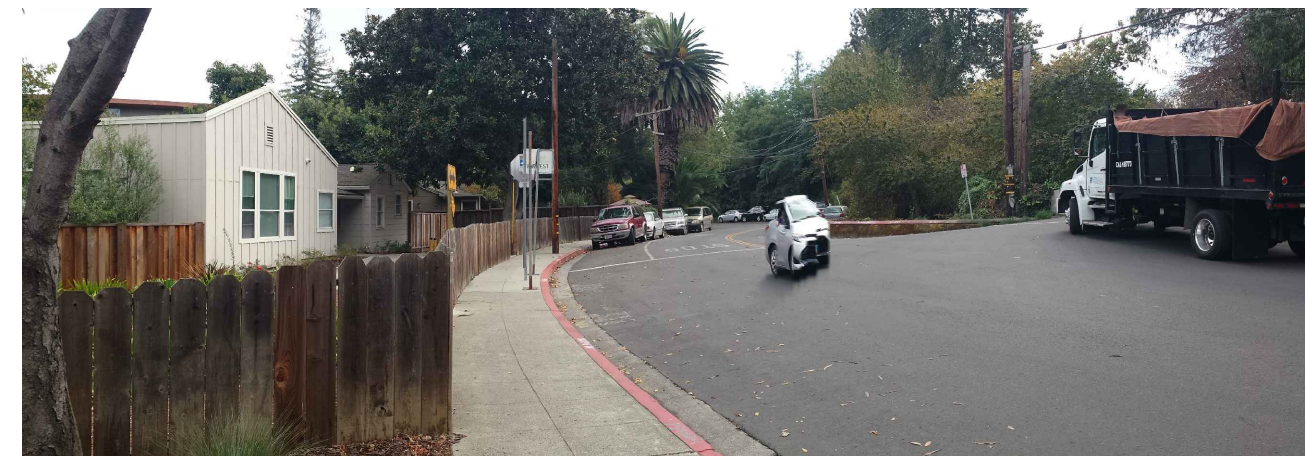
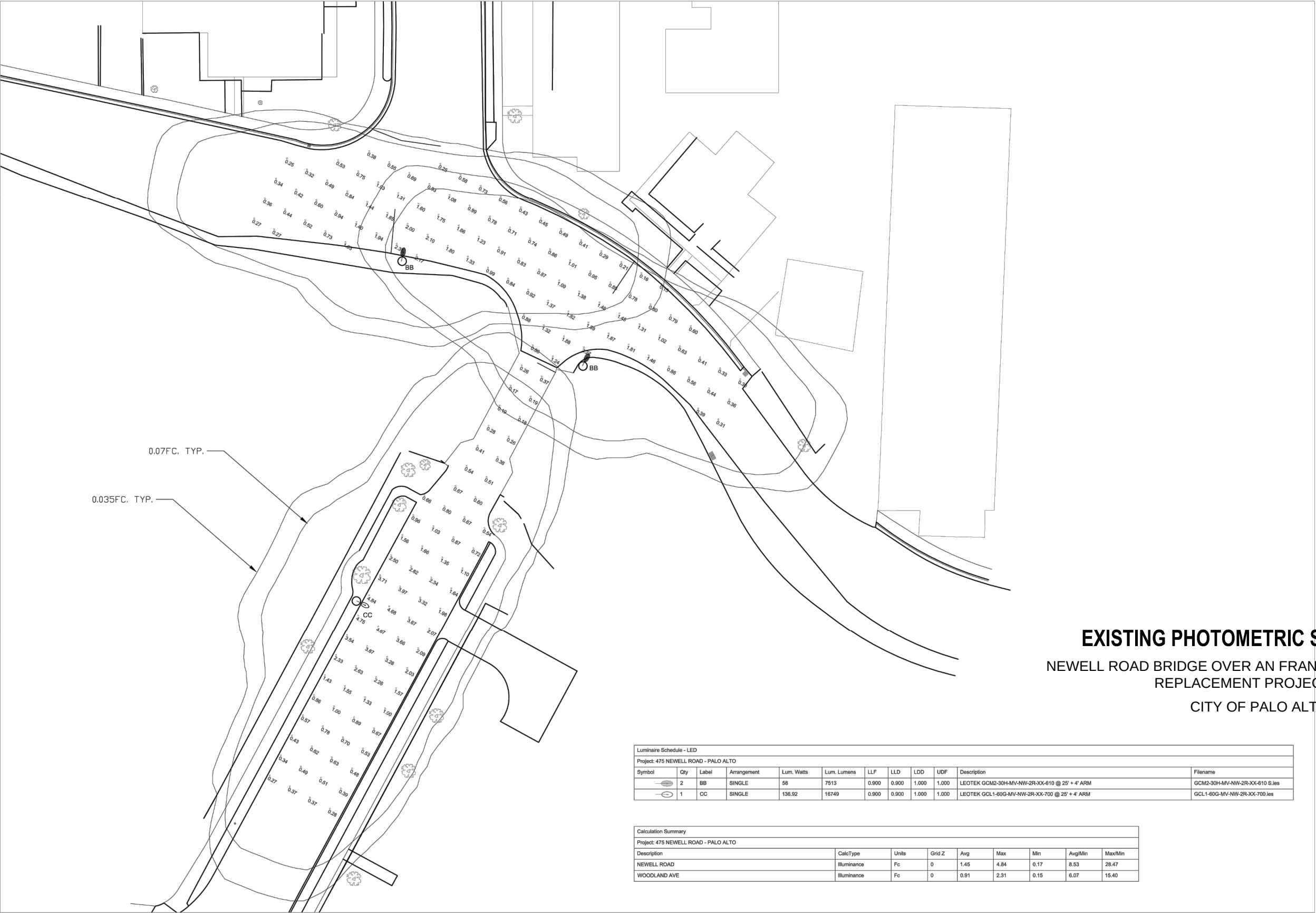


IMAGE 8: WOODLAND AVENUE AT NEWELL BRIDGE INTERSECTION

PROJECT SITE PHOTOS - 2
NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO





EXISTING PHOTOMETRIC SITE PLAN
NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT
CITY OF PALO ALTO

Luminaire Schedule - LED										
Project: 475 NEWELL ROAD - PALO ALTO										
Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	LLF	LLD	LDD	UDF	Description
	2	BB	SINGLE	58	7513	0.900	0.900	1.000	1.000	LEOTEK GCM2-30H-MV-NW-2R-XX-610 @ 25' + 4' ARM
	1	CC	SINGLE	136.92	16749	0.900	0.900	1.000	1.000	LEOTEK GCL1-60G-MV-NW-2R-XX-700 @ 25' + 4' ARM
Filename										
										GCM2-30H-MV-NW-2R-XX-610 S.ies
										GCL1-60G-MV-NW-2R-XX-700.ies

Calculation Summary									
Project: 475 NEWELL ROAD - PALO ALTO									
Description	CalcType	Units	Grid Z	Avg	Max	Min	Avg/Min	Max/Min	
NEWELL ROAD	Illuminance	Fc	0	1.45	4.84	0.17	8.53	28.47	
WOODLAND AVE	Illuminance	Fc	0	0.91	2.31	0.15	6.07	15.40	

ALL VALUES SHOWN ARE MAINTAINED HORIZONTAL FOOTCANDLES AT GRADE

PHOTOMETRIC DATA USED AS INPUT FOR THESE CALCULATIONS IS BASED ON ESTABLISHED IES PROCEDURES AND PUBLISHED LAMP, RATINGS, FIELD PERFORMANCE WILL DEPEND ON ACTUAL LAMP, BALLAST, ELECTRICAL, AND SITE CHARACTERISTICS.

Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.

**Associated Lighting Representatives, Inc.**

**ASSOCIATED LIGHTING REPRESENTATIVES, INC**
7777 PARDEE LANE
P.O. BOX 2265
OAKLAND, CA 94621
PHONE: (510) 638-0158 - FAX (510) 638-2908

REPORT FOR: CITY OF PALO ALTO
BY: APPLICATIONS ENGINEERING; RAMON ZAPATA
SALES REPRESENTATIVE: ALR: JOHN BENSON



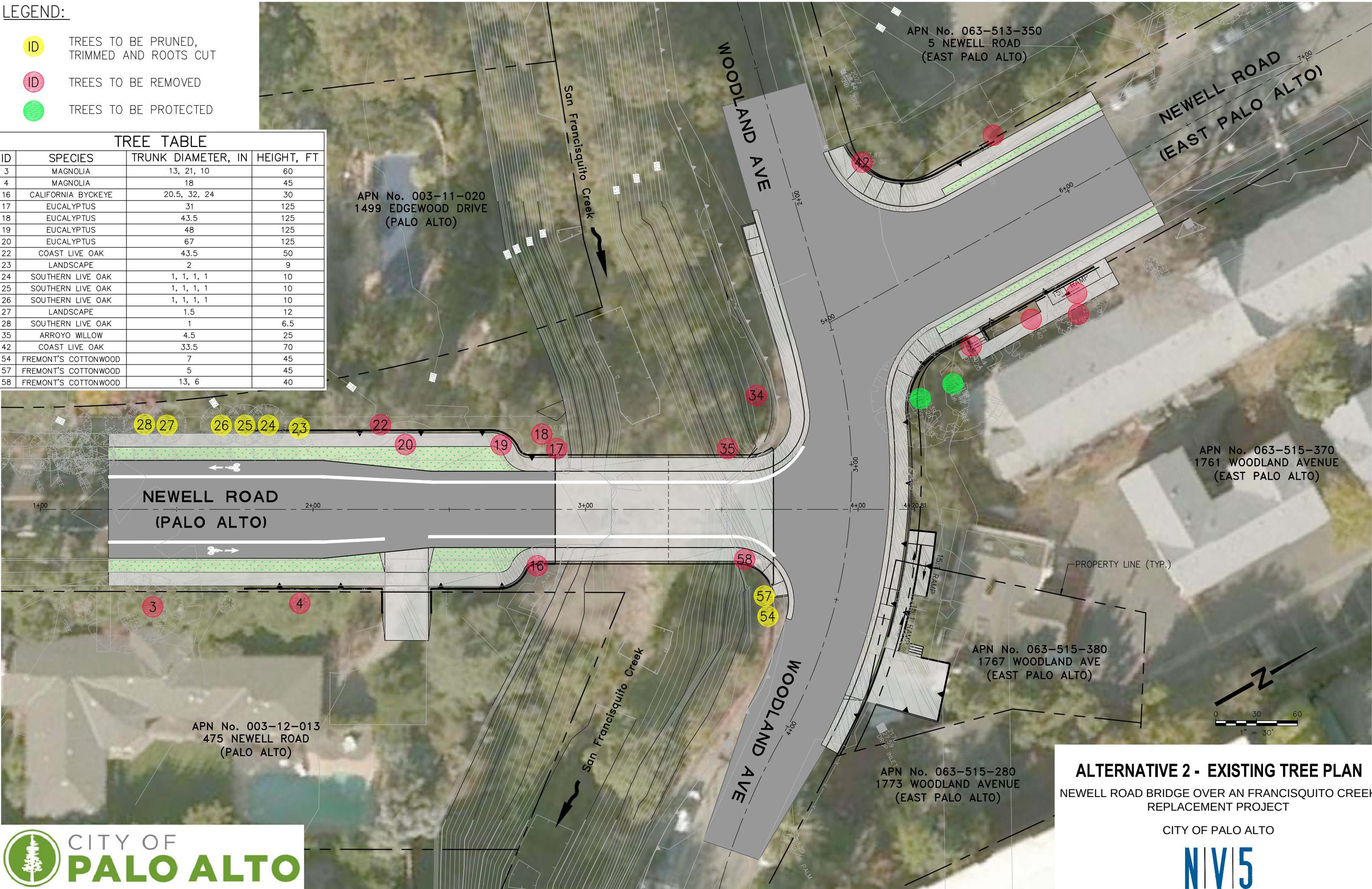
AGI32 VERSION 19.7
AGI (C) 2019 LIGHTING ANALYSTS, INC.
10268 W. CENTENNIAL ROAD, SUITE 202
LITTLETON, CO 80127

PROJECT DESCRIPTION			
475 NEWELL ROAD CITY OF PALO ALTO			
** OPTION 2 **			
DRAWING NO. / INPUT FILE 17012BEN-B.DWG / 17012BEN-B.A32			
SCALE 1" = 20'	SHEET 1 OF 1	DATE 06.26.2019	REV X

LEGEND:

- ID TREES TO BE PRUNED, TRIMMED AND ROOTS CUT
- ID TREES TO BE REMOVED
- TREES TO BE PROTECTED

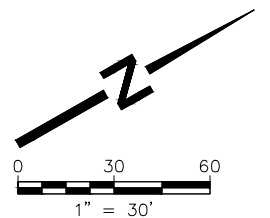
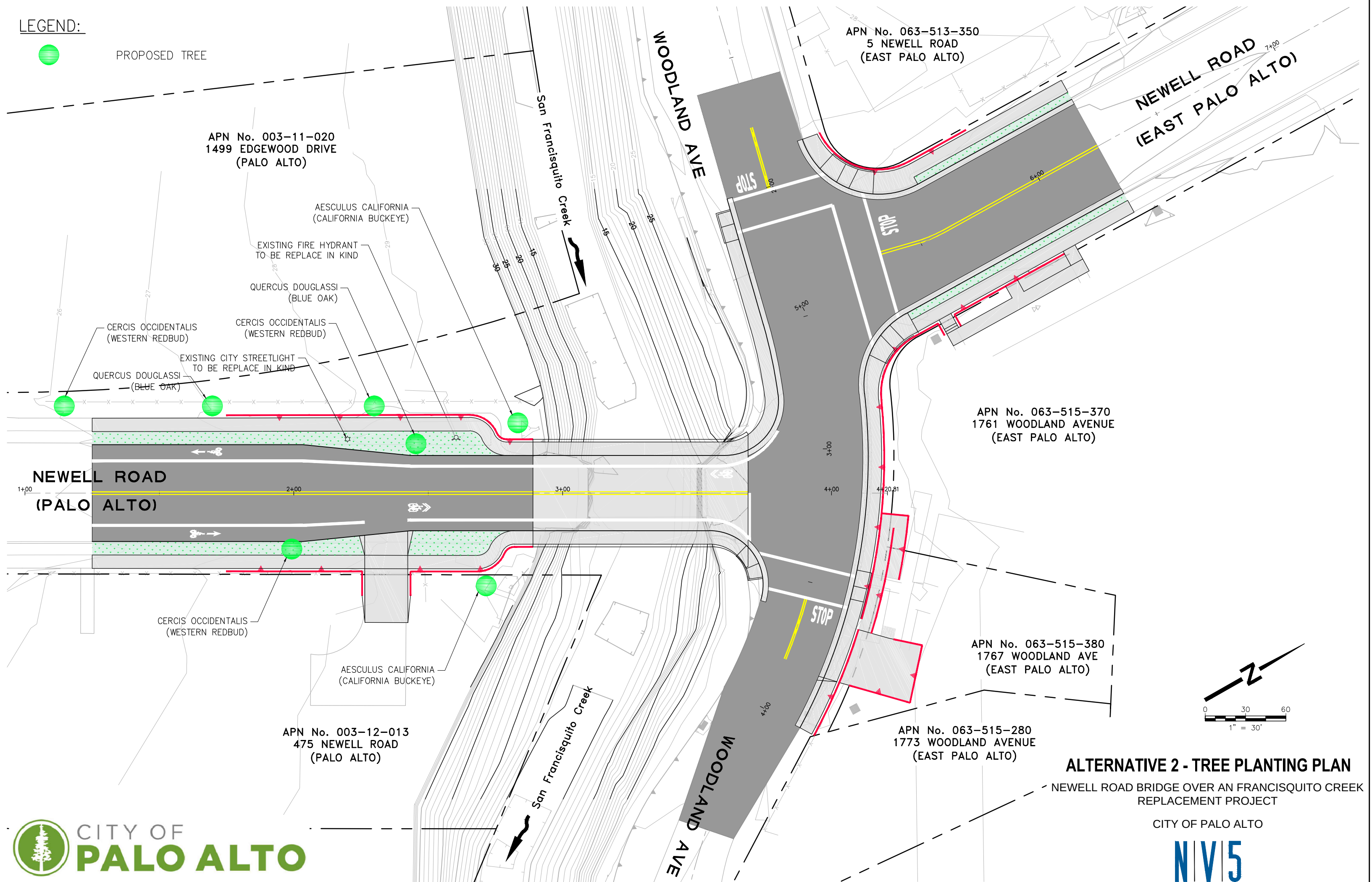
TREE TABLE			
ID	SPECIES	TRUNK DIAMETER, IN	HEIGHT, FT
3	MAGNOLIA	13, 21, 10	60
4	MAGNOLIA	18	45
16	CALIFORNIA BYCKEYE	20.5, 32, 24	30
17	EUCALYPTUS	31	125
18	EUCALYPTUS	43.5	125
19	EUCALYPTUS	48	125
20	EUCALYPTUS	67	125
22	COAST LIVE OAK	43.5	50
23	LANDSCAPE	2	9
24	SOUTHERN LIVE OAK	1, 1, 1, 1	10
25	SOUTHERN LIVE OAK	1, 1, 1, 1	10
26	SOUTHERN LIVE OAK	1, 1, 1, 1	10
27	LANDSCAPE	1.5	12
28	SOUTHERN LIVE OAK	1	6.5
35	ARROYO WILLOW	4.5	25
42	COAST LIVE OAK	33.5	70
54	FREMONT'S COTTONWOOD	7	45
57	FREMONT'S COTTONWOOD	5	45
58	FREMONT'S COTTONWOOD	13, 6	40



LEGEND:



PROPOSED TREE



ALTERNATIVE 2 - TREE PLANTING PLAN

NEWELL ROAD BRIDGE OVER AN FRANCISQUITO CREEK
REPLACEMENT PROJECT

CITY OF PALO ALTO

