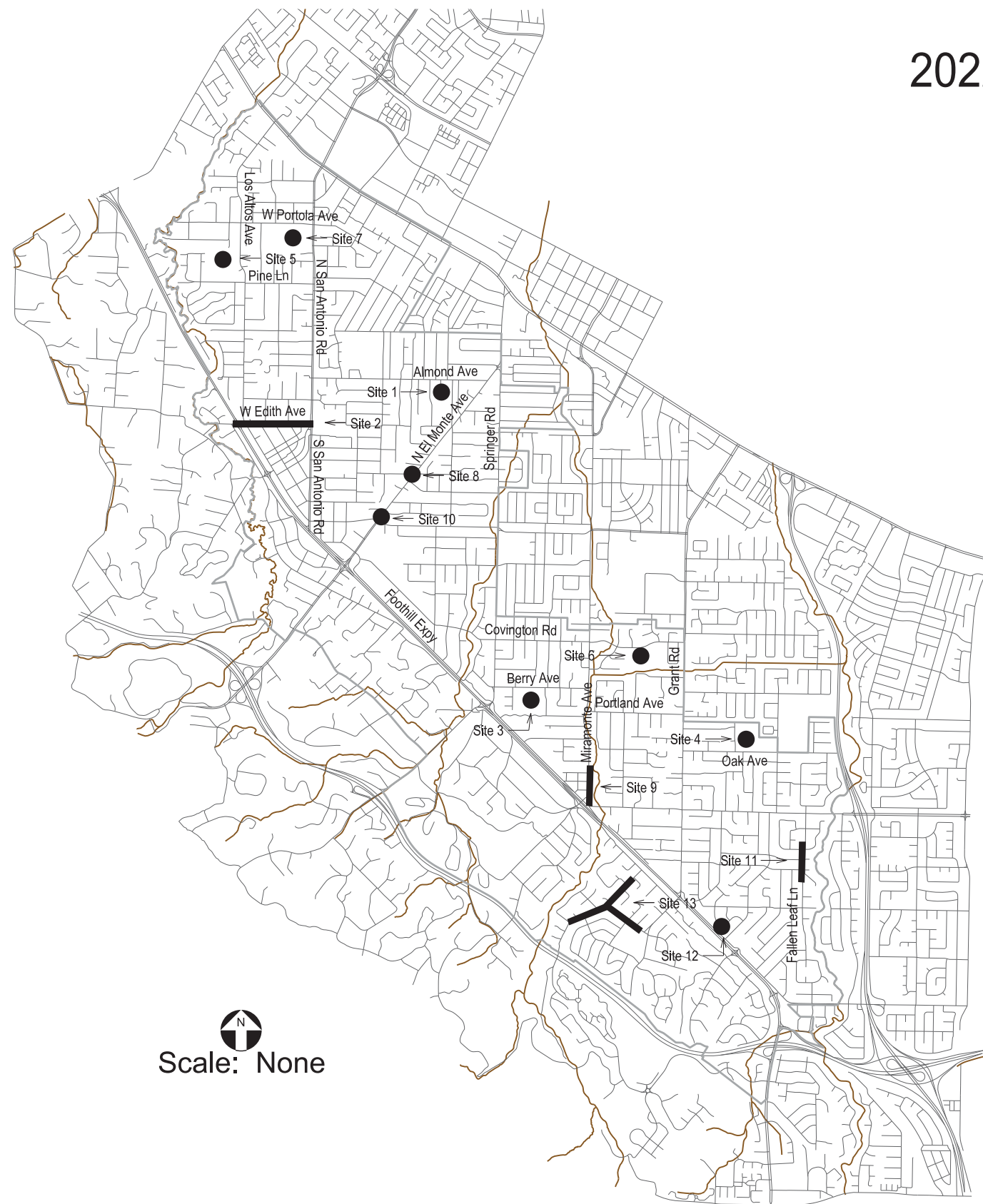


CITY OF LOS ALTOS

2022 ANNUAL STREET RESURFACING PROJECT PROJECT TS0100122 & TS0100422 AND CITY ALLEY RESURFACING PROJECT PROJECT TS0100922



Scale: None

Page No.	Location / Description	Site No.
CVR	Cover Sheet	
SS-1,2,3	Almond Elementary School/Almond Ave	1
SS-4	Gardner Bullis Elementary	2
SS-5,6	Loyola Elementary School	3
SS-7	Oak Avenue Elementary School	4
SS-8,9	Santa Rita Elementary School	5
SS-10,11	Blach Middle School	6
SS-12,13	Egan Middle School	7
SS-14	Hawthorne Ave and S El Monte Ave	8
SS-15	Miramonte Ave	9
SS-16	El Monte Ave and Shirlynn Ct	10
SS-17	Fallen Leaf Ln	11
SS-18	Grant Rd	12
SS-19,20,21,22	St Joseph Avenue / Eva Avenue	13

Description of Work

- Removal of Existing Roadway Markings via Grinding Method
- Installation of New Roadway Striping, Legends, and Markings
- Installation of Signs Posts and Signs
- Installation of Preformed Thermoplastic Bike Markings

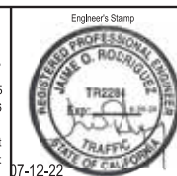
Notes:

- Contractor Shall Remove any Roadway Markings in Conflict with the Striping Plans.
- All New Roadway Striping, Markings, and Legends shall be Thermoplastic unless Noted Otherwise.
- All New Signs Shall be Standard Size with Retroreflective Sign Sheeting.
- Contractor Shall Install Cat Tracks for City review and Approval a Minimum of 7-Calendar Days Before Planned Installation.

IDEN-TIFIER	STRIPING ELEMENT	IDEN-TIFIER	STRIPING ELEMENT	IDEN-TIFIER	STRIPING ELEMENT	IDEN-TIFIER	STRIPING ELEMENT
(6)	STATE DETAIL 6	(12)	STATE DETAIL 32	(4)	STATE DETAIL 41	(65)	PAVEMENT MESSAGE (MESSAGE SHOWN)
(8)	STATE DETAIL 9	(38)	STATE DETAIL 38	(42)	SOLID 24" BIKE GREEN	(4)	TYPE I ARROW - 18"
(21)	STATE DETAIL 21	(38A)	STATE DETAIL 38A	(8)	SOLID 6" WHITE	(4A)	TYPE IV ARROW (DIRECTION SHOWN)
(22)	STATE DETAIL 22	(38B)	STATE DETAIL 38B	(10)	SOLID 12" WHITE	(4A)	TYPE VI ARROW
(24)	STATE DETAIL 22	(39)	STATE DETAIL 39	(43)	SOLID 24" WHITE	(4B)	TYPE VIA ARROW (DIRECTION SHOWN)
(25)	STATE DETAIL 27B	(39A)	STATE DETAIL 39A	(17)	SOLID 12" YELLOW	(50)	GREENBACK SHARED LANE MARKING MUTED FIGURE 9C-2 (4X10)
(28)	STATE DETAIL 29	(40)	STATE DETAIL 40	(18)	SOLID 24" YELLOW	(8)	GREENBACK BIKE LANE STENCIL WITH STRAIGHT ARROW MUTED FIGURE 9C-2(B)
						(8D)	GREENBACK BIKE LOOP DETECTOR STENCIL
						(8E)	Buffered Blue Lane, Two D39 Spaced at 24inch O.C. with 4" White Flash Spaced at 15-FT O.C.
						(8C)	Blue Symbol w/o Arrow
						(8D)	Bicycle Boulevard Marking/Legend

- NOTES:**
- All new Lane Lines and Pavement Messages shall be Thermoplastic unless noted otherwise.
 - All New Bicycle Facility Markings and Legends shall be Preformed Thermoplastic as Manufactured by Ennis-Flint or Approved Equal.
 - Contractor Shall Remove any Roadway Striping or Markings that are in Conflict with this Plan.

Traffic Patterns
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Record Drawings

Project Engineer:	_____	Date:	_____
Designer:	_____	Date:	_____
Public Works Inspector:	_____	Date:	_____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	10-15-21
2	Draft Submittal No. 2	01-27-22
3	Draft Submittal No. 3	05-03-22
4	Draft Submittal No. 4	05-10-22
5	Draft Submittal No. 5	06-06-22
6	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

Revisions

NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Cover Sheet

RECOMMENDED FOR BIDDING BY: _____	PROJECT NO. _____
DATE: _____	DRAWING NO. _____
APPROVED FOR BIDDING BY: _____	E.P. NO. _____
DATE: _____	SCALE: None
	CVR

PRIORITY IMPLEMENTATION BEFORE 9/30/22

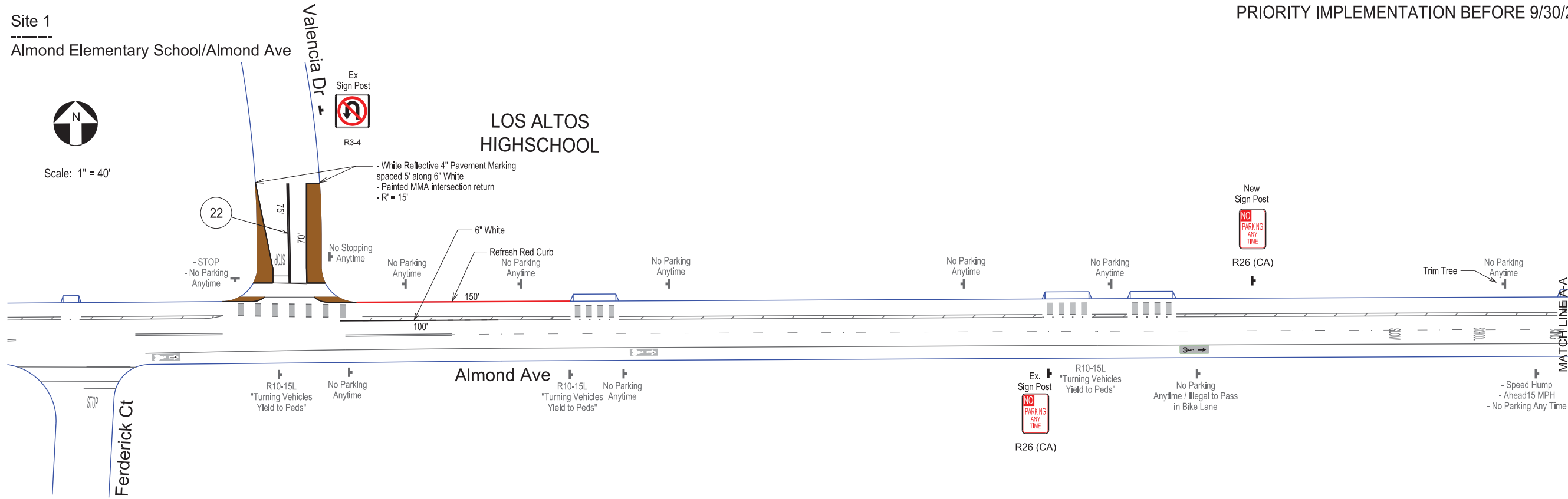
FINAL PLAN

07-12-22

Site 1
Almond Elementary School/Almond Ave

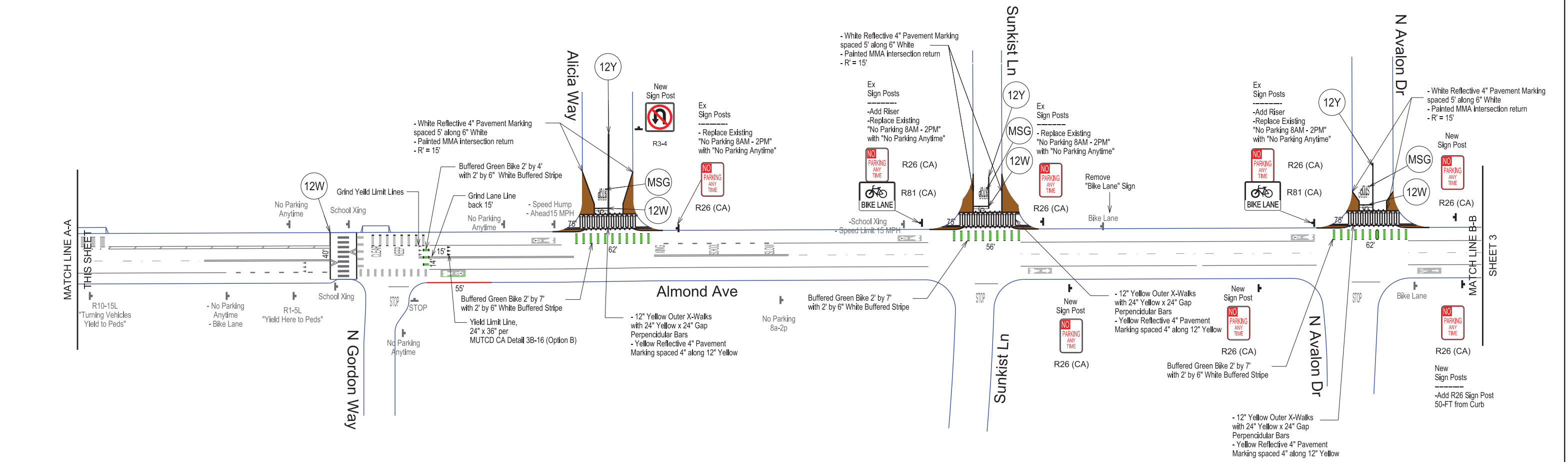


Scale: 1" = 40'



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Yield Limit Line	3 EA
Detail 22:	75 LN FT
6" White	650 LN FT
12" White	120 LN FT
12" Yellow	525 LN FT
24" Yellow	350 LN FT
Pavement Messages:	66 SQ FT
New Signs on Ex. Sign Posts	7 Signs
New Sign Post with 1 New Sign:	7 Sets
Preformed Green Bike	448 SQ FT
2" White Buffered Bike:	388 LN FT
MMA Terracotta:	2485 SQ FT
Red Curb:	255 LN FT
Grinding:	35 SQ FT
4" Yellow RPM's	48 EA



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Public Improvements Initially Accepted by the City Council on: _____

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6	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

Revisions

NO.	DESCRIPTION	DATE

Revisions

NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 1
Almond Elementary School

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE: **None**
SS-1

Site 1
Almond Elementary School/Almond Ave



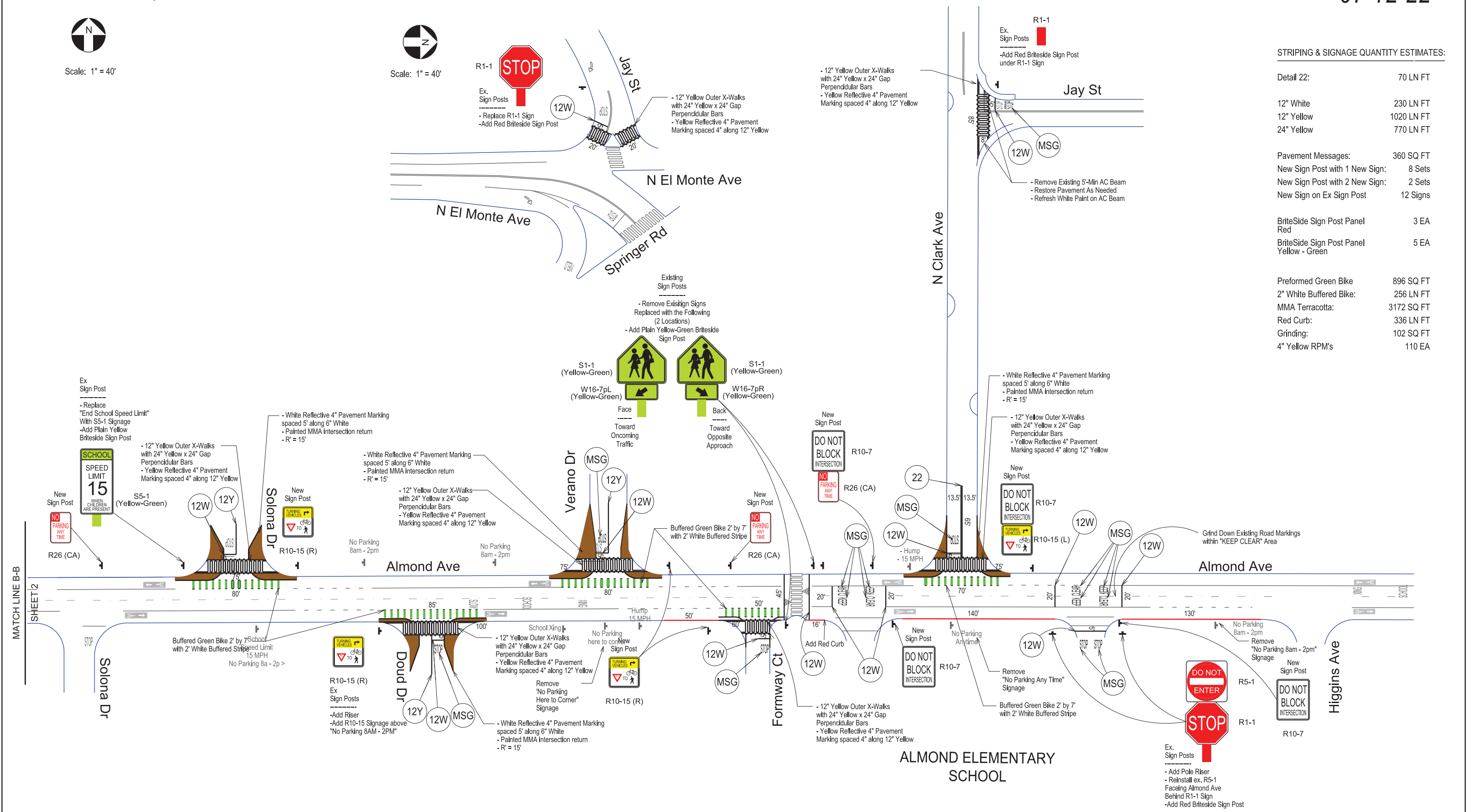
Scale: 1" = 40'



Scale: 1" = 40'

PRIORITY IMPLEMENTATION BEFORE 9/30/22

FINAL PLAN
07-12-22



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 22:	70 LN FT
12" White	230 LN FT
12" Yellow	1020 LN FT
24" Yellow	770 LN FT
Pavement Messages:	360 SQ FT
New Sign Post with 1 New Sign:	8 Sets
New Sign Post with 2 New Sign:	2 Sets
New Sign on Ex Sign Post	12 Signs
BriteSide Sign Post Panel Red	3 EA
BriteSide Sign Post Panel Yellow - Green	5 EA
Preformed Green Bike	896 SQ FT
2" White Buffered Bike:	256 LN FT
MMA Terracotta:	3172 SQ FT
Red Curb:	336 LN FT
Grinding:	102 SQ FT
4" Yellow RPM's	110 EA

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6	Final Submittal	07-12-22

Drawn by: M. Zurlakot Date: 10-15-21
Checked by: City of Los Altos Date: 10-15-21
Designed by: J. Rodriguez Date: 10-15-21

Revisions

NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 1
Almond Elementary School

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE: **None**
SS-2

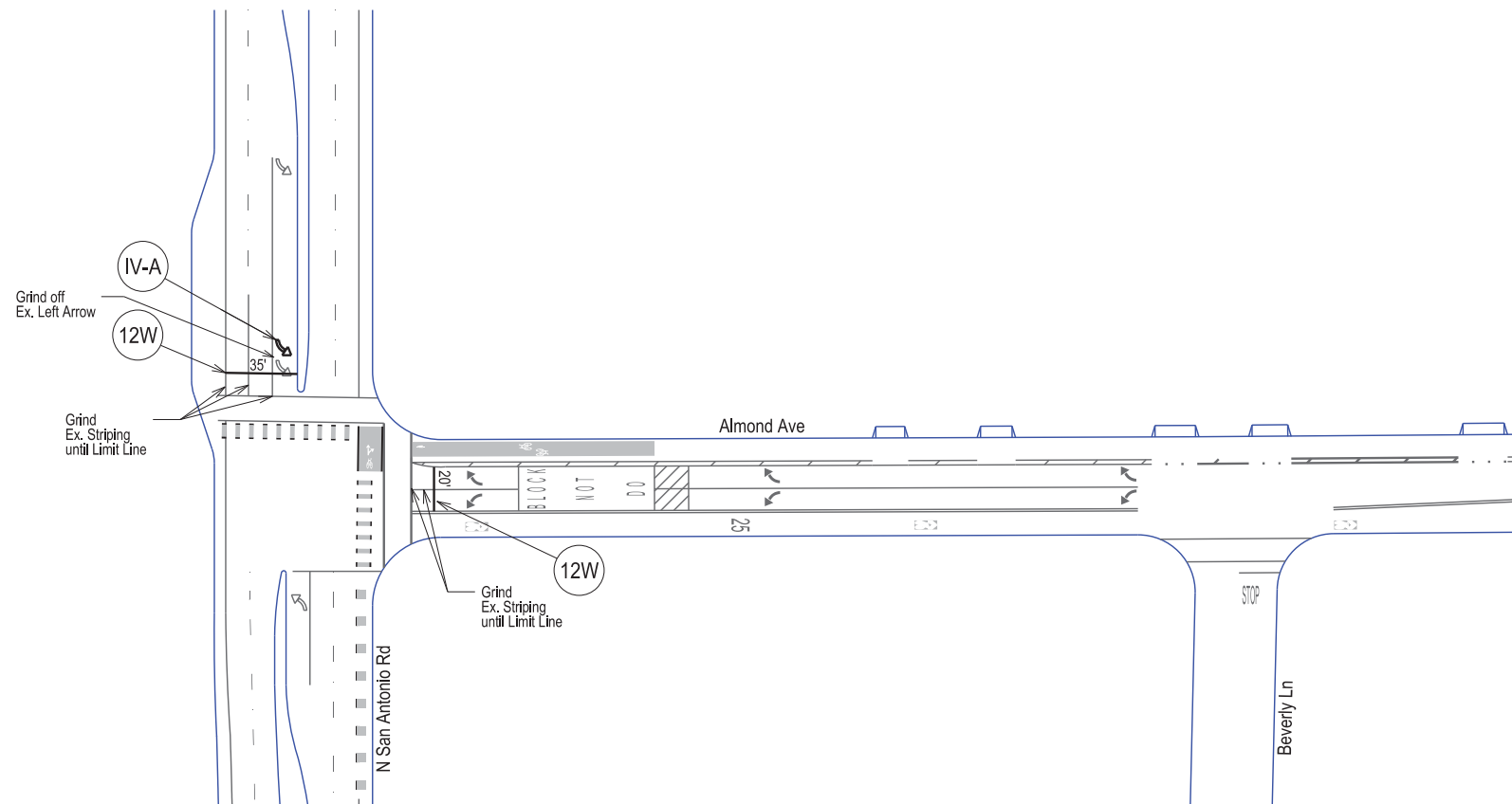
Site 1
Almond Elementary School/Almond Ave

PRIORITY IMPLEMENTATION BEFORE 9/30/22

FINAL PLAN
07-12-22



Scale: 1" = 40'



STRIPING & SIGNAGE QUANTITY ESTIMATES:

12" White	55 LN FT
TYP IV (Left)	1 EA
Grinding:	115 SQ FT

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Public Works Inspector: _____ Date: _____

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2	Draft Submittal No. 2	05-10-22
3	Draft Submittal No. 3	06-06-22
4	Final Submittal	07-12-22

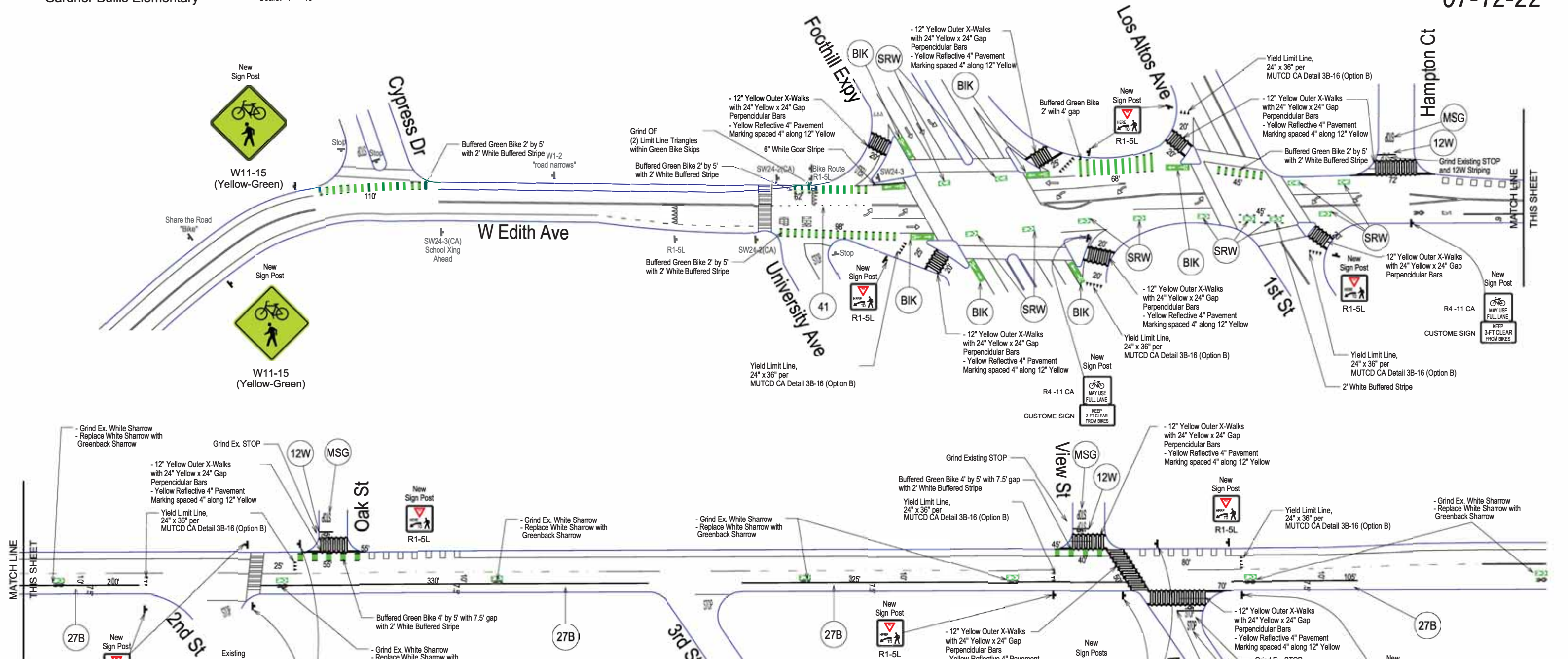
DRAWN BY: M. Zurkakat Date: 05-03-22
CHECKED BY: City of Los Altos Date: 05-03-22
DESIGNED BY: J. Rodriguez Date: 05-03-22

Revisions		
NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 7
Egan Middle School

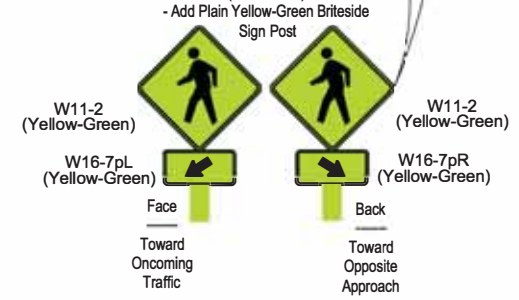
RECOMMENDED FOR BIDDING BY: _____
DATE: _____
APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO.	
DRAWING NO.	
E.P. NO.	
SCALE	None
	SS-3



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Yield Limit Line	36 EA	BriteSide Sign Post Panel	8 EA
Detail 27B	975 LN FT	Yellow - Green	
Detail 41	85 LN FT	Preformed Green Bike	957 SQ FT
		Preformed Green Bike w/ Arrow	7 EA
		Preformed Greenback Sharrow	19 EA
6" White	28 LN FT	2" White Buffered Bike:	276 LN FT
12" White	70 LN FT	4" White Buffered Bike:	72 LN FT
12" Yellow	825 LN FT	Grinding:	261 SQ FT
24" Yellow	750 LN FT	4" Yellow RPM's	140 EA
Pavement Messages:		88 SQ FT	
New Sign Post with 1 New Sign:		10 Sets	
New Sign Post with 2 New Sign:		2 Set	
New Sign Post with 4 New Sign:		2 Sets	
New Signs on Ex. Sign Posts		8 Sets	

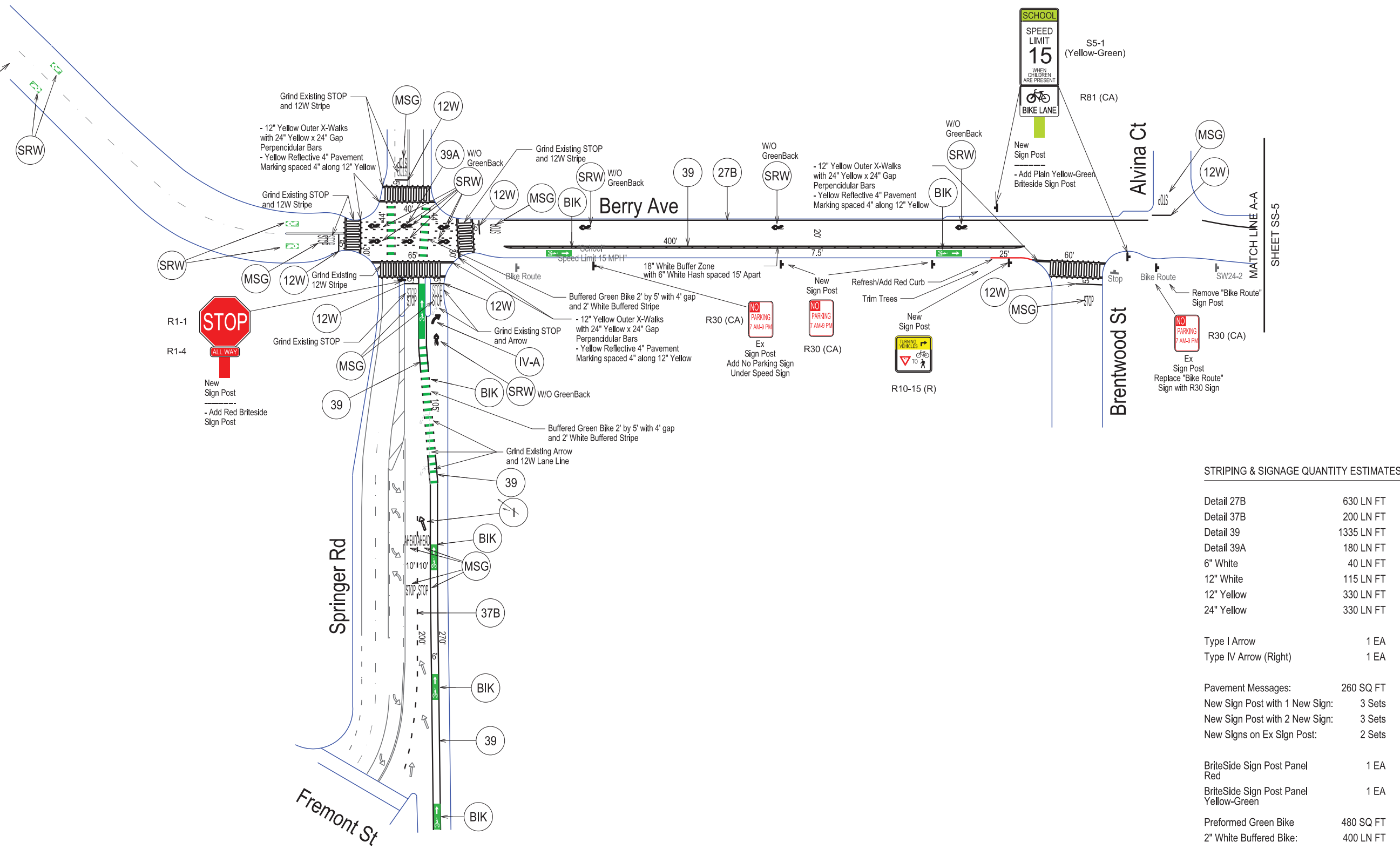


<p>Traffic Patterns P.O. Box 25 Danville, CA 94526 C: (408) 916-8141 www.trafficpatterns.net info@trafficpatterns.net</p>	<p>Engineer's Stamp TRAVIS D. RODRIGUEZ REGISTERED PROFESSIONAL ENGINEER TRAFFIC ENGINEER STATE OF CALIFORNIA</p>	<p>Record Drawings</p> <p>Project Engineer: _____ Date: _____</p> <p>Designer: _____ Date: _____</p> <p>Public Works Inspector: _____ Date: _____</p> <p>Public Improvements Initially Accepted by the City Council on: _____</p>	<p>Submittal Log</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Draft Submittal No. 1</td> <td>10-15-21</td> </tr> <tr> <td>2</td> <td>Draft Submittal No. 2</td> <td>01-27-22</td> </tr> <tr> <td>3</td> <td>Draft Submittal No. 3</td> <td>05-03-22</td> </tr> <tr> <td>4</td> <td>Draft Submittal No. 4</td> <td>05-10-22</td> </tr> <tr> <td>5</td> <td>Draft Submittal No. 5</td> <td>06-06-22</td> </tr> <tr> <td>6</td> <td>Final Submittal</td> <td>07-12-22</td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE	1	Draft Submittal No. 1	10-15-21	2	Draft Submittal No. 2	01-27-22	3	Draft Submittal No. 3	05-03-22	4	Draft Submittal No. 4	05-10-22	5	Draft Submittal No. 5	06-06-22	6	Final Submittal	07-12-22	<p>Revisions</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE										<p>City of Los Altos 2022 Annual Street Resurfacing Project and City Alley Resurfacing Project Site 2 Gardner Bullis Elementary</p>	<p>RECOMMENDED FOR BIDDING BY: _____ DATE: _____</p> <p>APPROVED FOR BIDDING BY: _____ DATE: _____</p>	<p>PROJECT NO. _____ DRAWING NO. _____ E.P. NO. _____ SCALE: None SS-4</p>
		NO.	DESCRIPTION	DATE																																				
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<p>7-12-22</p>		<p>DRAWN BY: M. Zuriakat Date: 10-15-21 CHECKED BY: City of Los Altos Date: 10-15-21 DESIGNED BY: J. Rodriguez Date: 10-15-21</p>																																						



Scale: 1" = 40'

Add 4 Sharrow Equally Spaced in Both Directions on Berry Ave between Springer Ave and Riverside Dr (10 Total)



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 27B	630 LN FT
Detail 37B	200 LN FT
Detail 39	1335 LN FT
Detail 39A	180 LN FT
6" White	40 LN FT
12" White	115 LN FT
12" Yellow	330 LN FT
24" Yellow	330 LN FT
Type I Arrow	1 EA
Type IV Arrow (Right)	1 EA
Pavement Messages:	260 SQ FT
New Sign Post with 1 New Sign:	3 Sets
New Sign Post with 2 New Sign:	3 Sets
New Signs on Ex Sign Post:	2 Sets
BriteSide Sign Post Panel Red	1 EA
BriteSide Sign Post Panel Yellow-Green	1 EA
Performed Green Bike	480 SQ FT
2" White Buffered Bike:	400 LN FT
Performed Greenback Sharrow	10 EA
Performed Sharrow w/o Greenback	9 EA
Greenback Bike Lane Stencil w/ Arrow	6 EA
Red Curb:	25 LN FT
Grinding:	210 SQ FT
4" Yellow RPM's	70 EA

Traffic Patterns
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Record Drawings

Project Engineer:	Date:
Designer:	Date:
Public Works Inspector:	Date:

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	05-10-22
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3	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

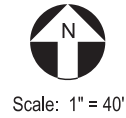
City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 12
Grant Rd

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

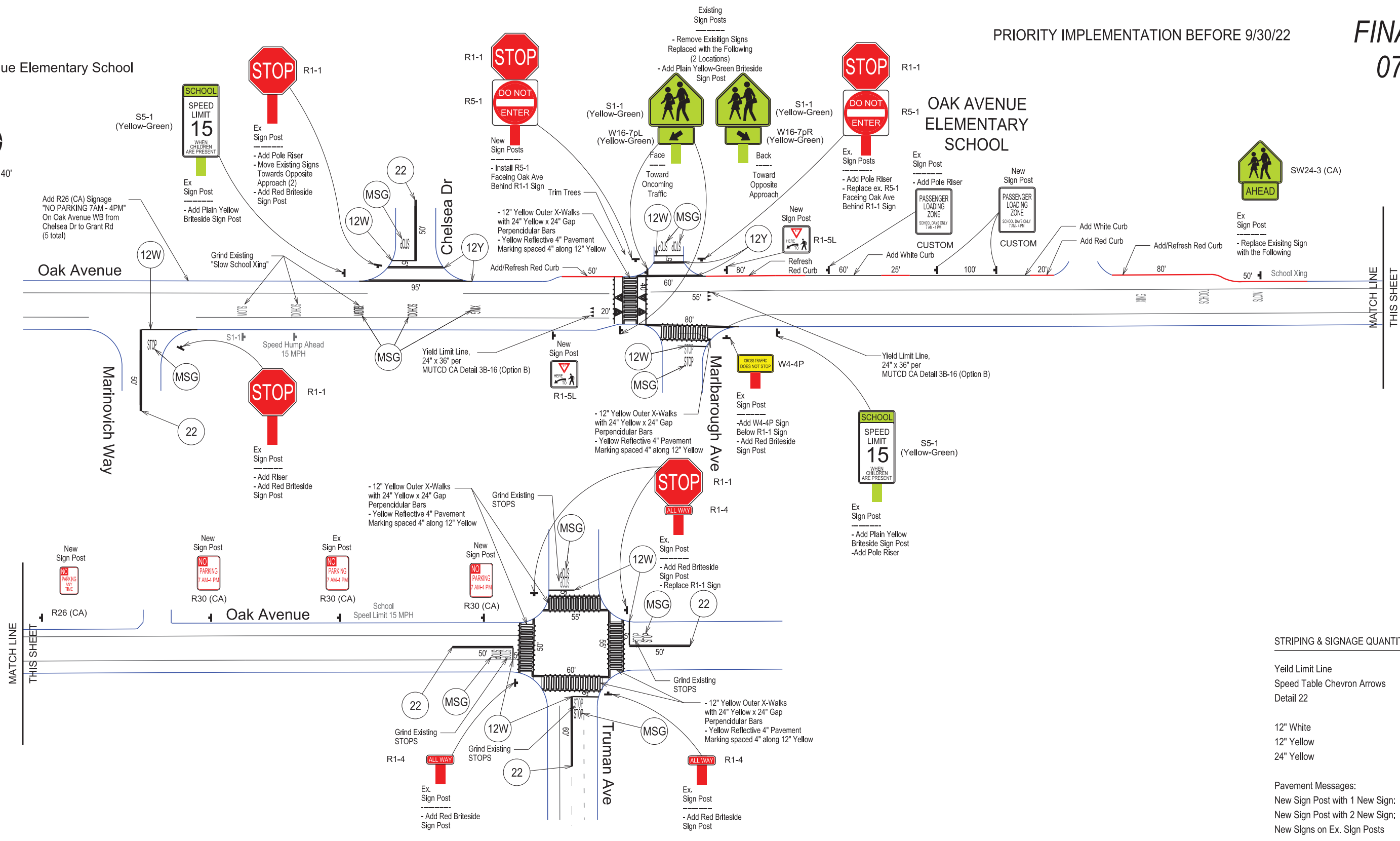
PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE None
SS-6

Site 4
Oak Avenue Elementary School



PRIORITY IMPLEMENTATION BEFORE 9/30/22

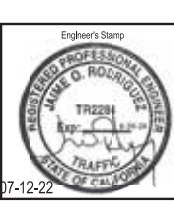
FINAL PLAN
07-12-22



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Yield Limit Line	6 EA
Speed Table Chevron Arrows	4 EA
Detail 22	260 LN FT
12" White	200 LN FT
12" Yellow	990 LN FT
24" Yellow	640 SQ FT
Pavement Messages:	277 SQ FT
New Sign Post with 1 New Sign:	7 Sets
New Sign Post with 2 New Sign:	1 Sets
New Signs on Ex. Sign Posts	25 Signs
BriteSide Sign Post Panel Red	9 EA
BriteSide Sign Post Panel Yellow-Green	6 EA
Red Curb:	285 LN FT
White Curb:	160 LN FT
Grinding:	167 SQ FT
4" Yellow RPM's	118 EA

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Revisions

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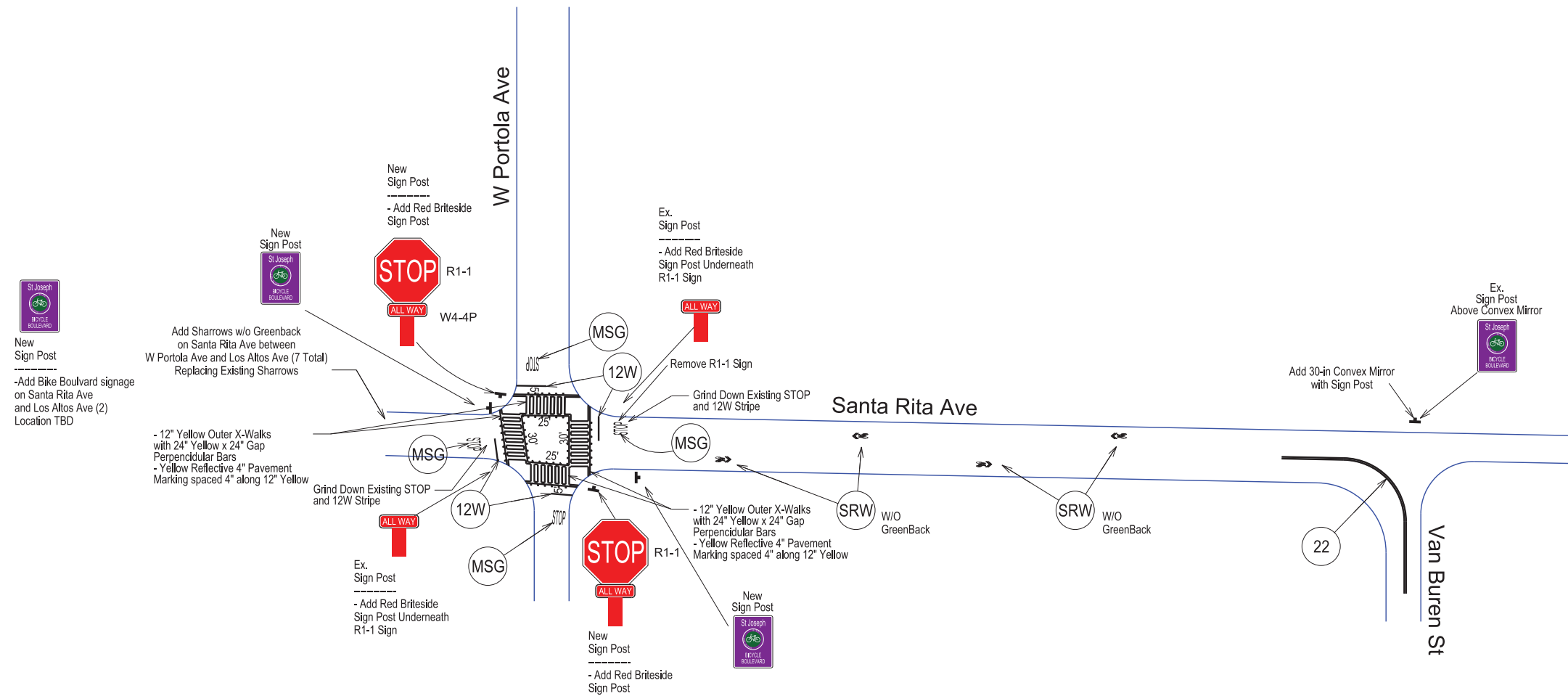
DRAWN BY: M. Zurlakot Date: 10-15-21
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DESIGNED BY: J. Rodriguez Date: 10-15-21

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 4
Oak Avenue Elementary School

RECOMMENDED FOR BIDDING BY: _____	PROJECT NO. _____
DATE: _____	DRAWING NO. _____
APPROVED FOR BIDDING BY: _____	E.P. NO. _____
DATE: _____	SCALE: None
	SS-7

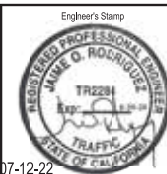


Scale: 1" = 40'



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 22	131 LN FT
12" White	60 LN FT
12" Yellow	220 LN FT
24" Yellow	270 LN FT
Pavement Messages:	88 SQ FT
New Sign Post with 1 New Sign:	5 Sets
New Sign Post with 2 New Sign:	2 Sets
New Signs on Ex. Sign Posts	2 Signs
Convex Mirror (30-in) on New Sign Posts	1 Sets
BriteSide Sign Post Panel Red	4 EA
Bike Sharrow	12 EA
4" Yellow RPM's	54 EA



Record Drawings

Project Engineer:	_____	Date:	_____
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6	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

City of Los Altos

2022 Annual Street Resurfacing Project and City Alley Resurfacing Project

Site 5
Santa Rita Elementary School

RECOMMENDED FOR BIDDING BY: _____

DATE: _____

APPROVED FOR BIDDING BY: _____

DATE: _____

PROJECT NO. _____

DRAWING NO. _____

E.P. NO. _____

SCALE: **None**

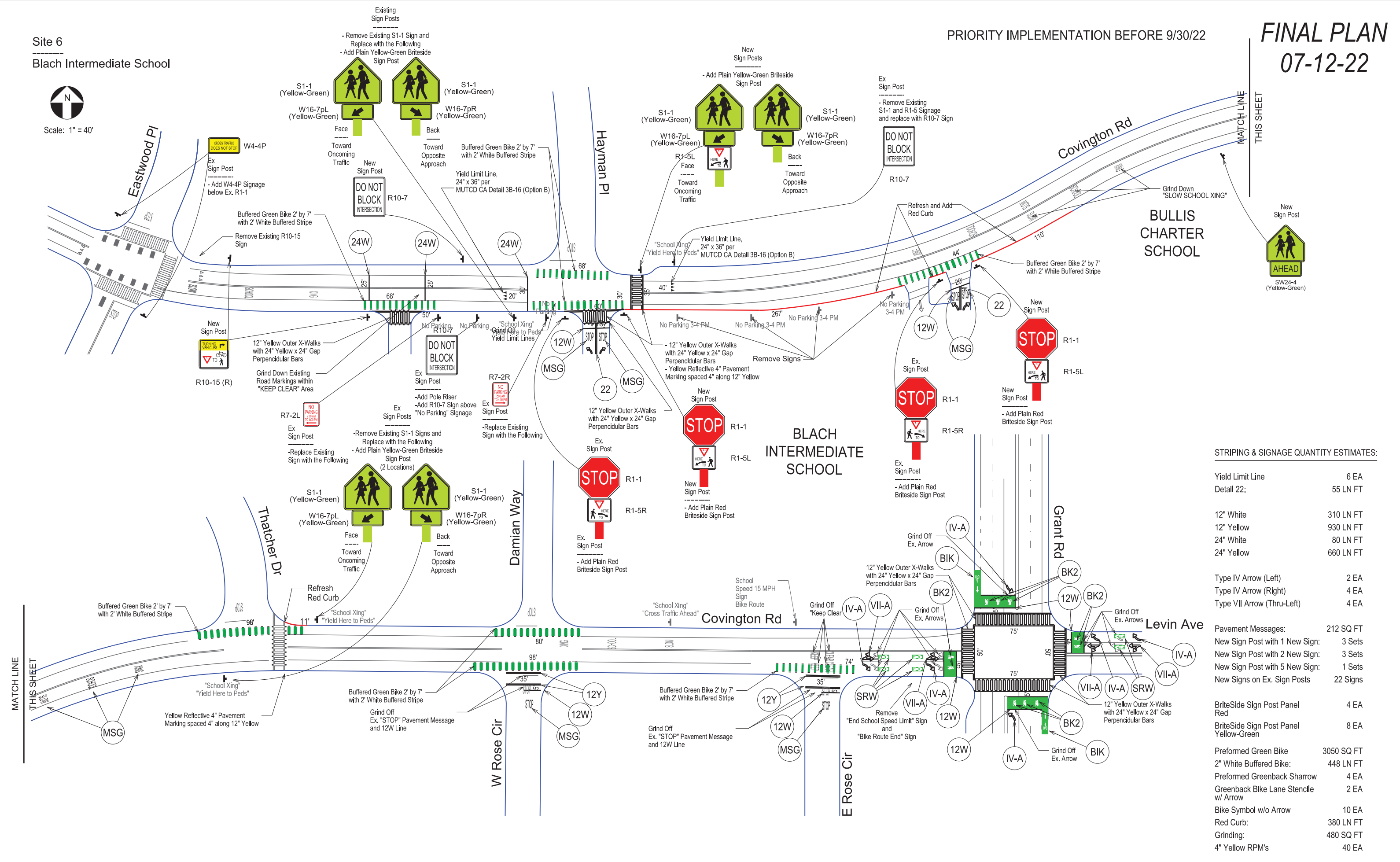
SS-8

Site 6
Blach Intermediate School



PRIORITY IMPLEMENTATION BEFORE 9/30/22

FINAL PLAN
07-12-22



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Yield Limit Line	6 EA
Detail 22:	55 LN FT
12" White	310 LN FT
12" Yellow	930 LN FT
24" White	80 LN FT
24" Yellow	660 LN FT
Type IV Arrow (Left)	2 EA
Type IV Arrow (Right)	4 EA
Type VII Arrow (Thru-Left)	4 EA
Pavement Messages:	212 SQ FT
New Sign Post with 1 New Sign:	3 Sets
New Sign Post with 2 New Sign:	3 Sets
New Sign Post with 5 New Sign:	1 Sets
New Signs on Ex. Sign Posts	22 Signs
BriteSide Sign Post Panel Red	4 EA
BriteSide Sign Post Panel Yellow-Green	8 EA
Preformed Green Bike	3050 SQ FT
2" White Buffered Bike:	448 LN FT
Preformed Greenback Sharrow	4 EA
Greenback Bike Lane Stencil w/ Arrow	2 EA
Bike Symbol w/o Arrow	10 EA
Red Curb:	380 LN FT
Grinding:	480 SQ FT
4" Yellow RPM's	40 EA

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Record Drawings

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6	Final Submittal	07-12-22

Drawn by: M. Zurliak Date: 10-15-21
Checked by: City of Los Altos Date: 10-15-21
Designed by: J. Rodriguez Date: 10-15-21

Revisions

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City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 6
Blach Intermediate School

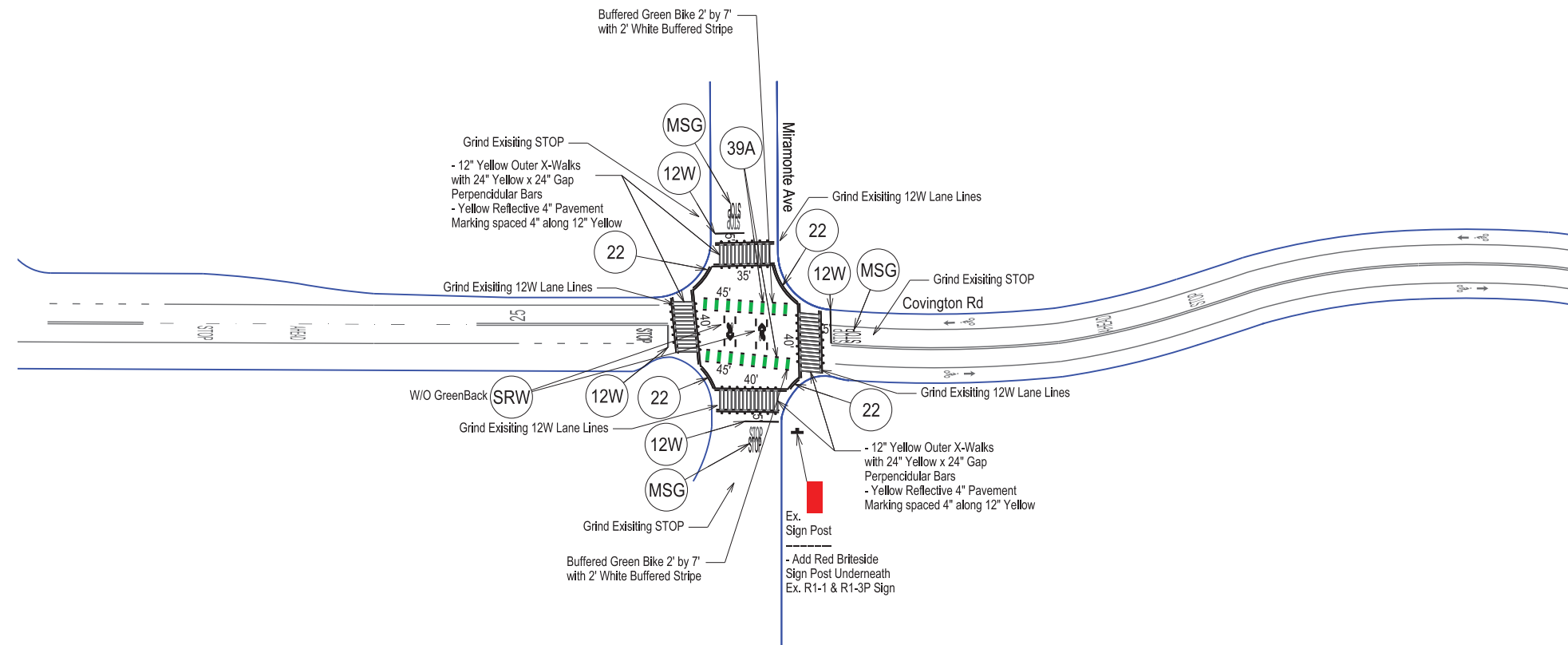
RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE: **None**
SS-10



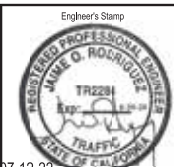
Scale: 1" = 40'



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 22	70 LN FT
12" White	50 LN FT
12" Yellow	310 LN FT
24" Yellow	310 LN FT
Pavement Messages:	72 SQ FT
BriteSide Sign Post Panel Red	1 EA
Performed Green Bike	160 SQ FT
2" White Buffered Bike:	180 LN FT
Preformed Sharrow	2 EA
Grinding:	382 SQ FT
4" Yellow RPM's	65 EA

Traffic Patterns
P.O. Box 25
Danville, CA 94526
O: (408) 916-8141
www.trafficpatterns.net
Info@trafficpatterns.net



Record Drawings

Project Engineer:	_____	Date:	_____
Designer:	_____	Date:	_____
Public Works Inspector:	_____	Date:	_____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	05-03-22
2	Draft Submittal No. 2	05-10-22
3	Draft Submittal No. 3	06-06-22
4	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 7
Egan Middle School

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

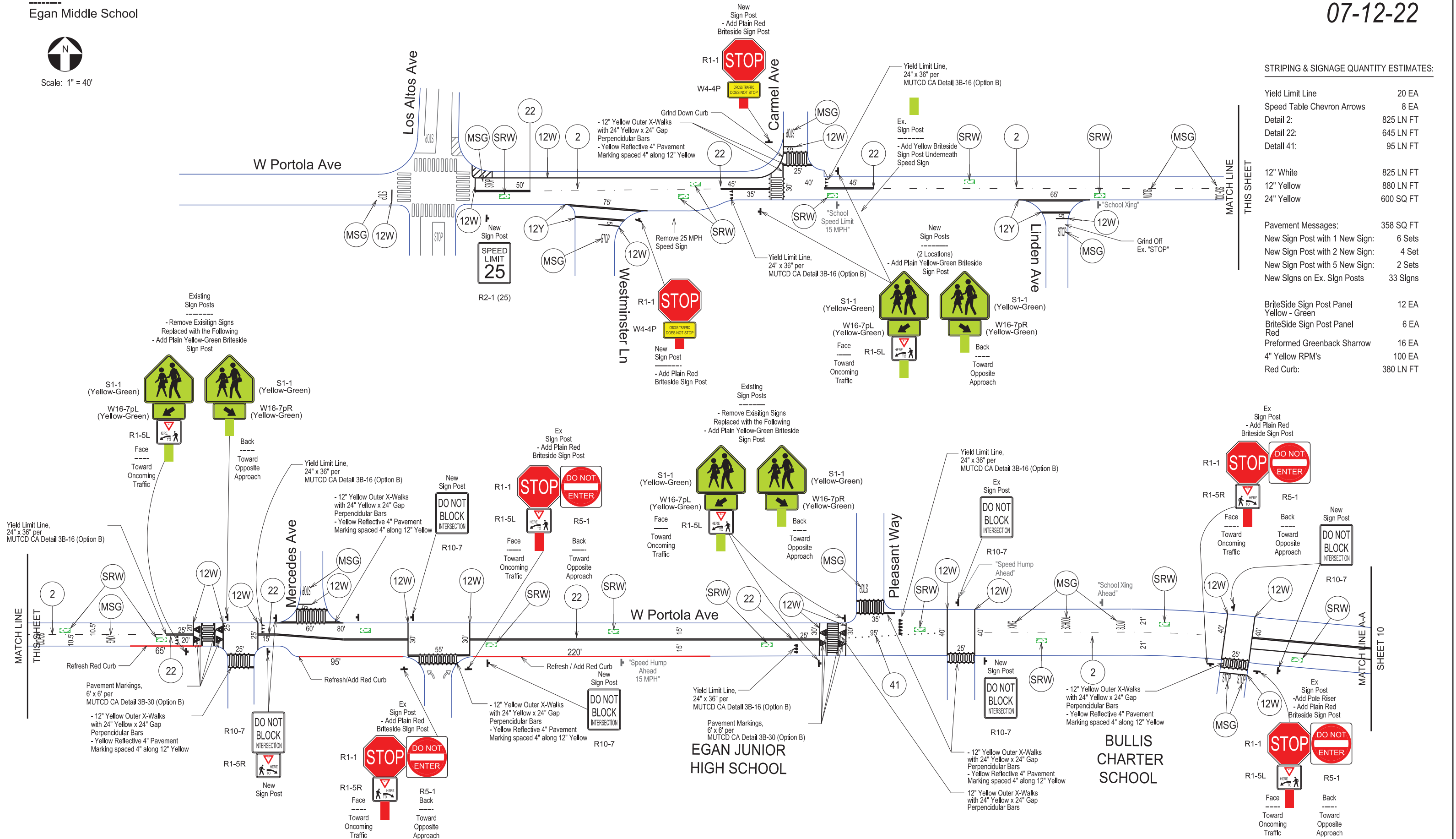
PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE: None
SS-11



Scale: 1" = 40'

STRIPING & SIGNAGE QUANTITY ESTIMATES:

Yield Limit Line	20 EA
Speed Table Chevron Arrows	8 EA
Detail 2:	825 LN FT
Detail 22:	645 LN FT
Detail 41:	95 LN FT
12" White	825 LN FT
12" Yellow	880 LN FT
24" Yellow	600 SQ FT
Pavement Messages:	358 SQ FT
New Sign Post with 1 New Sign:	6 Sets
New Sign Post with 2 New Sign:	4 Set
New Sign Post with 5 New Sign:	2 Sets
New Signs on Ex. Sign Posts	33 Signs
BriteSide Sign Post Panel Yellow - Green	12 EA
BriteSide Sign Post Panel Red	6 EA
Preformed Greenback Sharrow	16 EA
4" Yellow RPM's	100 EA
Red Curb:	380 LN FT



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Record Drawings

Project Engineer:	_____	Date:	_____
Designer:	_____	Date:	_____
Public Works Inspector:	_____	Date:	_____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	10-15-21
2	Draft Submittal No. 2	01-27-22
3	Draft Submittal No. 3	05-03-22
4	Draft Submittal No. 4	05-10-22
5	Draft Submittal No. 5	06-06-22
6	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 7
Egan Middle School

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

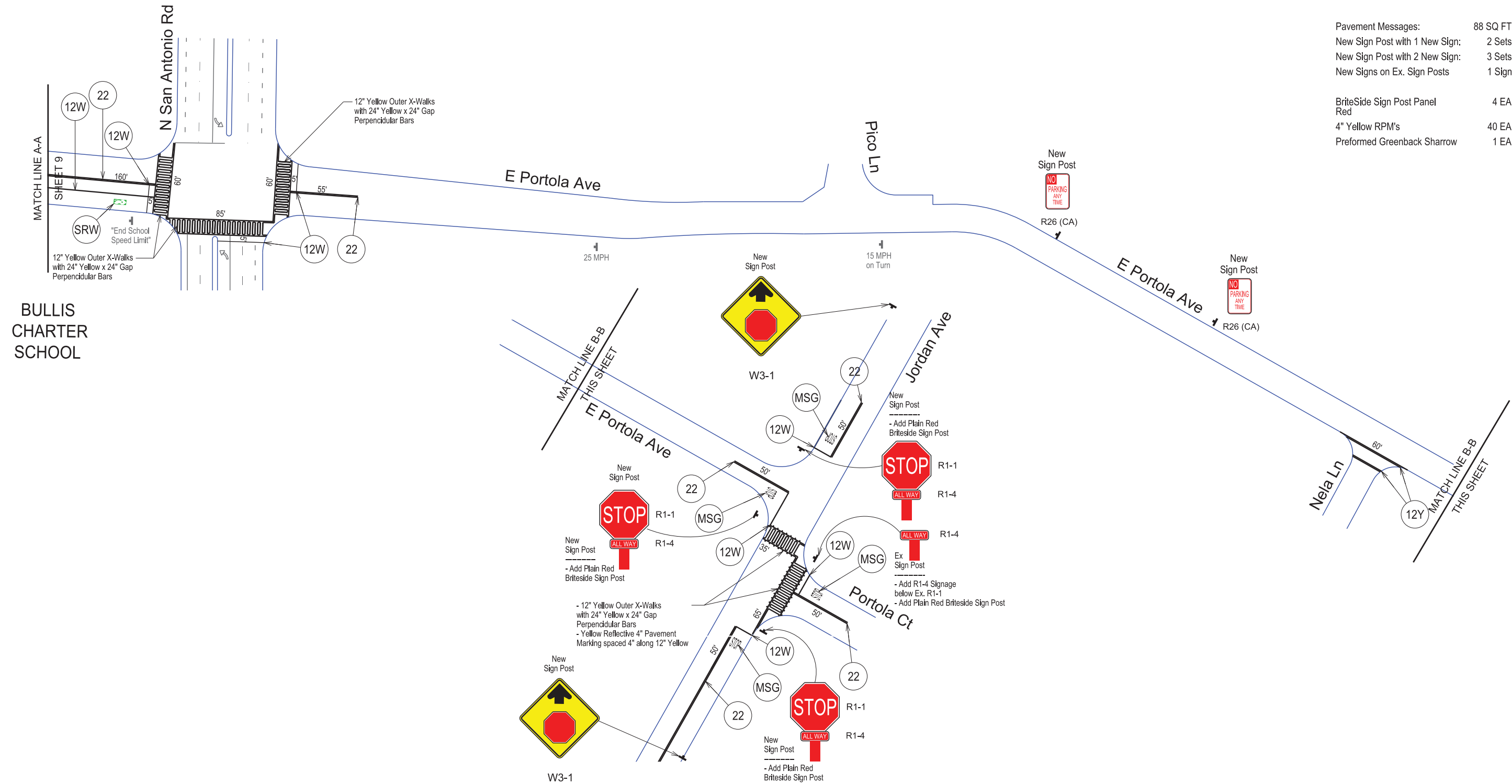
PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE None
SS-12



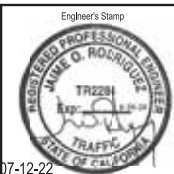
Scale: 1" = 40'

STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 22:	210 LN FT
12" White	160 LN FT
12" Yellow	610 LN FT
24" Yellow	600 LN FT
Pavement Messages:	88 SQ FT
New Sign Post with 1 New Sign:	2 Sets
New Sign Post with 2 New Sign:	3 Sets
New Signs on Ex. Sign Posts	1 Sign
BriteSide Sign Post Panel Red	4 EA
4" Yellow RPM's	40 EA
Preformed Greenback Sharrow	1 EA



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Record Drawings

Project Engineer:	_____	Date:	_____
Designer:	_____	Date:	_____
Public Works Inspector:	_____	Date:	_____

Public Improvements Initially Accepted by the City Council on: _____

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1	Draft Submittal No. 1	10-15-21
2	Draft Submittal No. 2	01-27-22
3	Draft Submittal No. 3	05-03-22
4	Draft Submittal No. 4	05-10-22
5	Draft Submittal No. 5	06-06-22
6	Final Submittal	07-12-22

Designers

DRAWN BY:	M. Zurlakot	Date:	10-15-21
CHECKED BY:	City of Los Altos	Date:	10-15-21
DESIGNED BY:	J. Rodriguez	Date:	10-15-21

Revisions

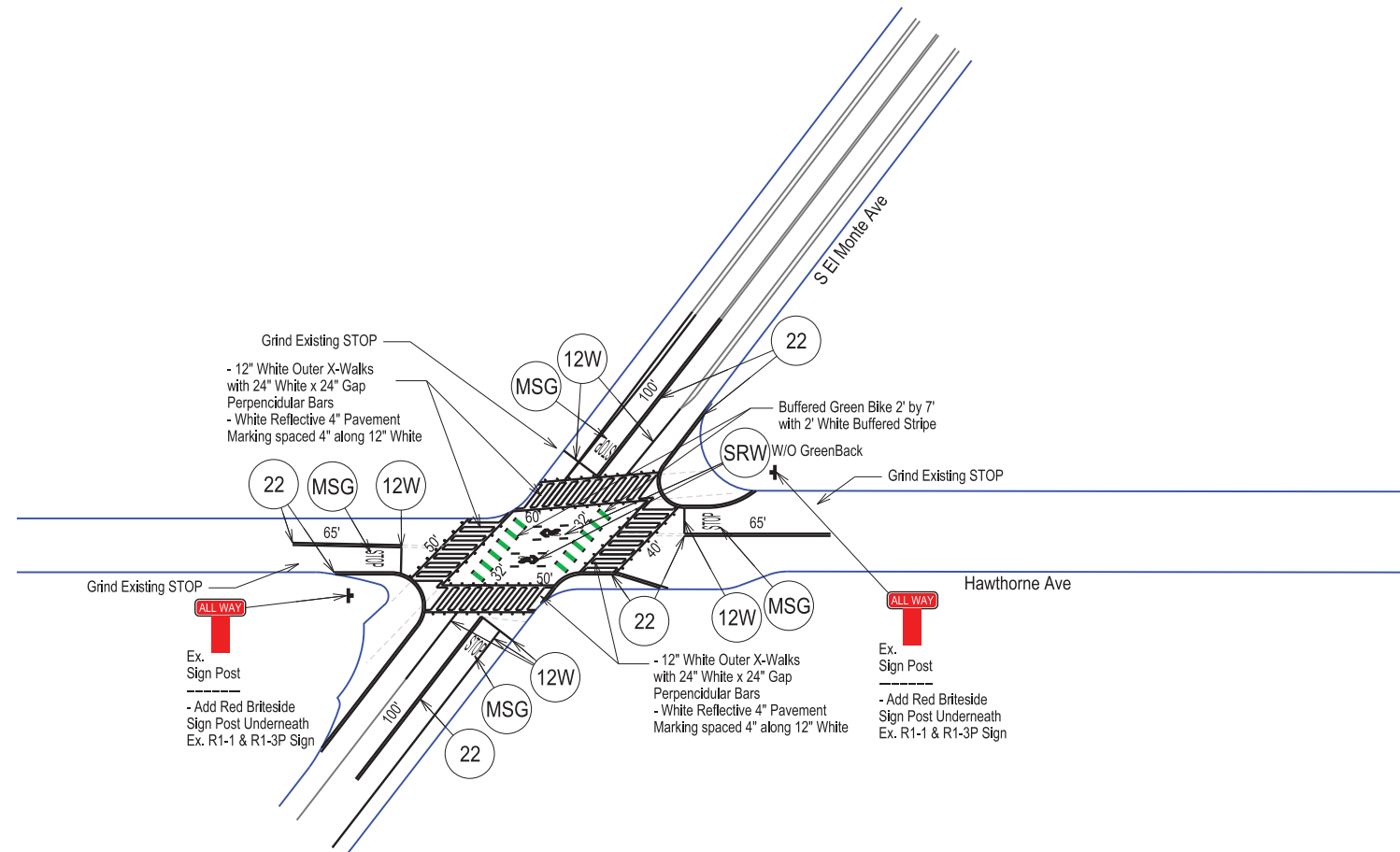
NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 7
Egan Middle School

RECOMMENDED FOR BIDDING BY: _____	PROJECT NO. _____
DATE: _____	DRAWING NO. _____
APPROVED FOR BIDDING BY: _____	E.P. NO. _____
DATE: _____	SCALE: None
	SS-13

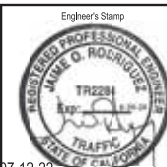


Scale: 1" = 40'



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 22	600 LN FT
12" White	600 LN FT
24" White	420 LN FT
Pavement Messages:	96 SQ FT
New Signs on Ex. Sign Posts	2 Signs
BriteSide Sign Post Panel Red	2 EA
Performed Green Bike	120 SQ FT
2" White Buffered Bike:	124 LN FT
Performed Sharrow	2 EA
Grinding:	96 SQ FT
4" White RPM's	85 EA



Record Drawings	
Project Engineer:	_____ Date: _____
Designer:	_____ Date: _____
Public Works Inspector:	_____ Date: _____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log		
NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	05-03-22
2	Draft Submittal No. 2	05-10-22
3	Draft Submittal No. 3	06-06-22
4	Final Submittal	07-12-22

DRAWN BY:	M. Zurklat	Date:	05-03-22
CHECKED BY:	City of Los Altos	Date:	05-03-22
DESIGNED BY:	J. Rodriguez	Date:	05-03-22

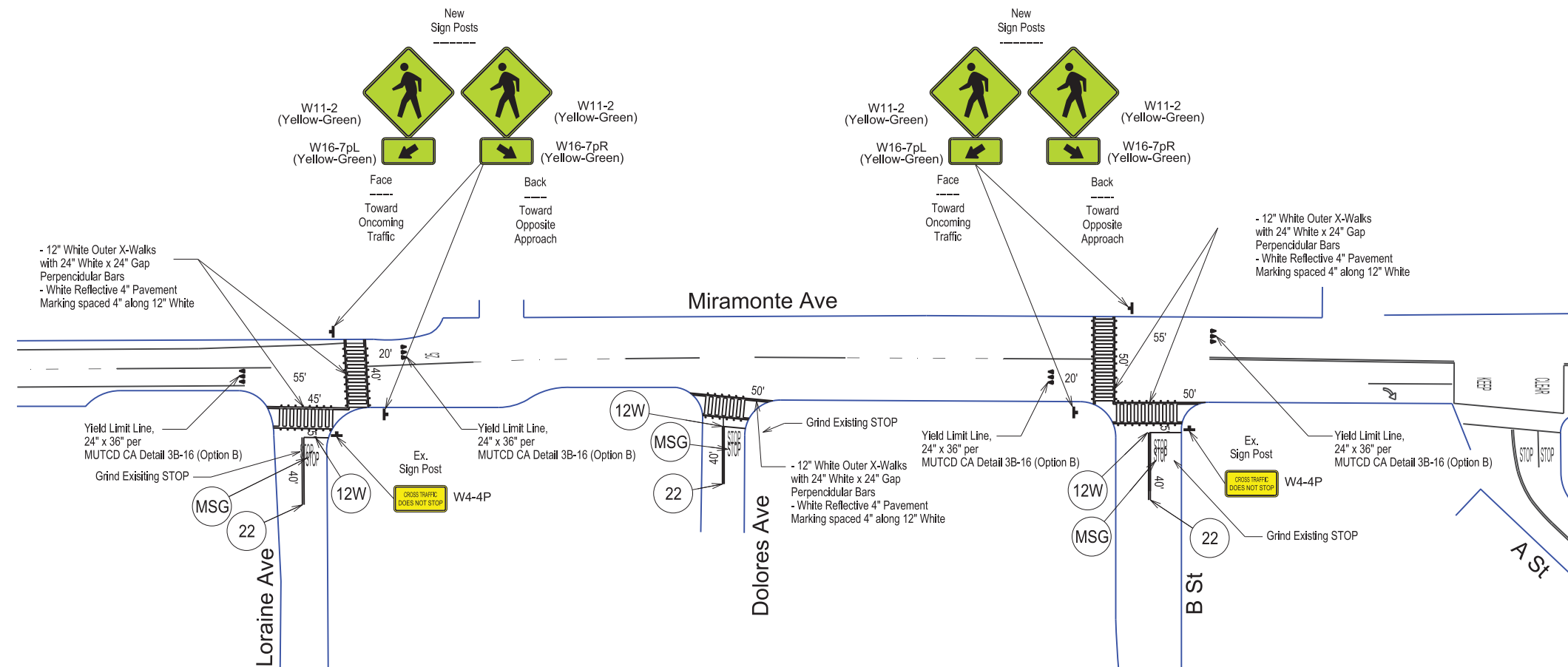
Revisions		
NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 8
Hawthorn Ave & El Monte Ave

RECOMMENDED FOR BIDDING BY: _____	PROJECT NO. _____
DATE: _____	DRAWING NO. _____
APPROVED FOR BIDDING BY: _____	E.P. NO. _____
DATE: _____	SCALE: None
	SS-14



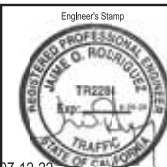
Scale: 1" = 40'



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Yield Limit Line	12 EA
Detail 22:	120 LN FT
12" White	120 LN FT
12" Yellow	300 LN FT
24" Yellow	450 LN FT
Pavement Messages:	72 SQ FT
New Sign Post with 4 New Sign:	2 Sets
New Signs on Ex. Sign Posts	2 Signs
Grinding:	72 SQ FT
4" Yellow RPM's	100 EA

Traffic Patterns
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Record Drawings

Project Engineer:	Date:
Designer:	Date:
Public Works Inspector:	Date:

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	05-03-22
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3	Draft Submittal No. 3	06-06-22
4	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

DRAWN BY: M. Zurlaket Date: 05-03-22
CHECKED BY: City of Los Altos Date: 05-03-22
DESIGNED BY: J. Rodriguez Date: 05-03-22

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 9
Miramonte Ave

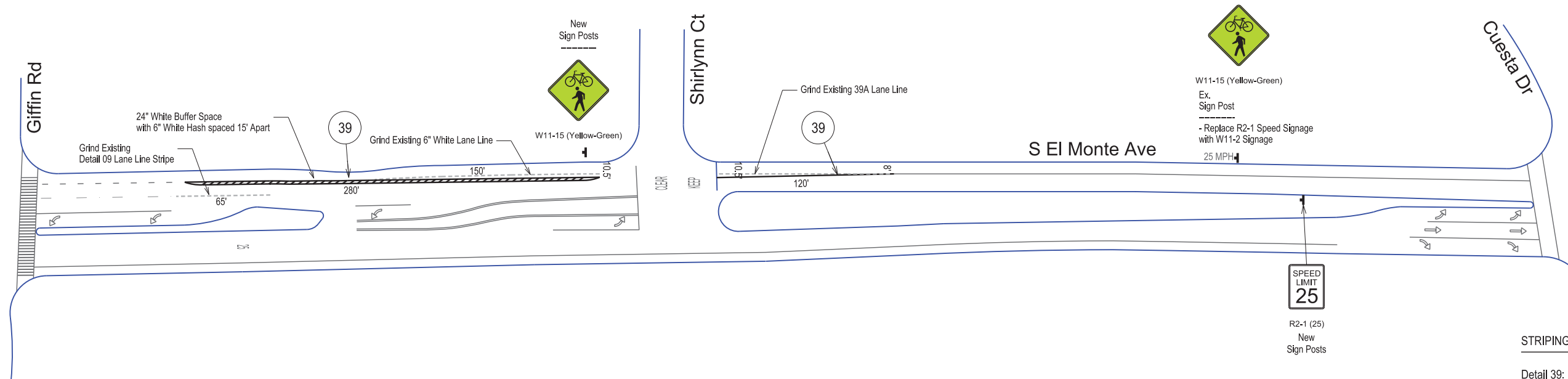
RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE: None
SS-15



Scale: 1" = 40'



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 39:	680 LN FT
6" White:	40 LN FT
New Sign Post with 1 New Sign:	2 Sets
New Signs on Ex. Sign Posts	1 Signs
Grinding:	290 SQ FT

Traffic Patterns
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Record Drawings

Project Engineer:	_____	Date:	_____
Designer:	_____	Date:	_____
Public Works Inspector:	_____	Date:	_____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	05-03-22
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3	Draft Submittal No. 3	06-06-22
4	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

DRAWN BY: M. Zurkakat Date: 05-03-22
 CHECKED BY: City of Los Altos Date: 05-03-22
 DESIGNED BY: J. Rodriguez Date: 05-03-22

City of Los Altos
 2022 Annual Street Resurfacing Project
 and
 City Alley Resurfacing Project
 Site 10
 El Monte Ave and Shirlynn Ct

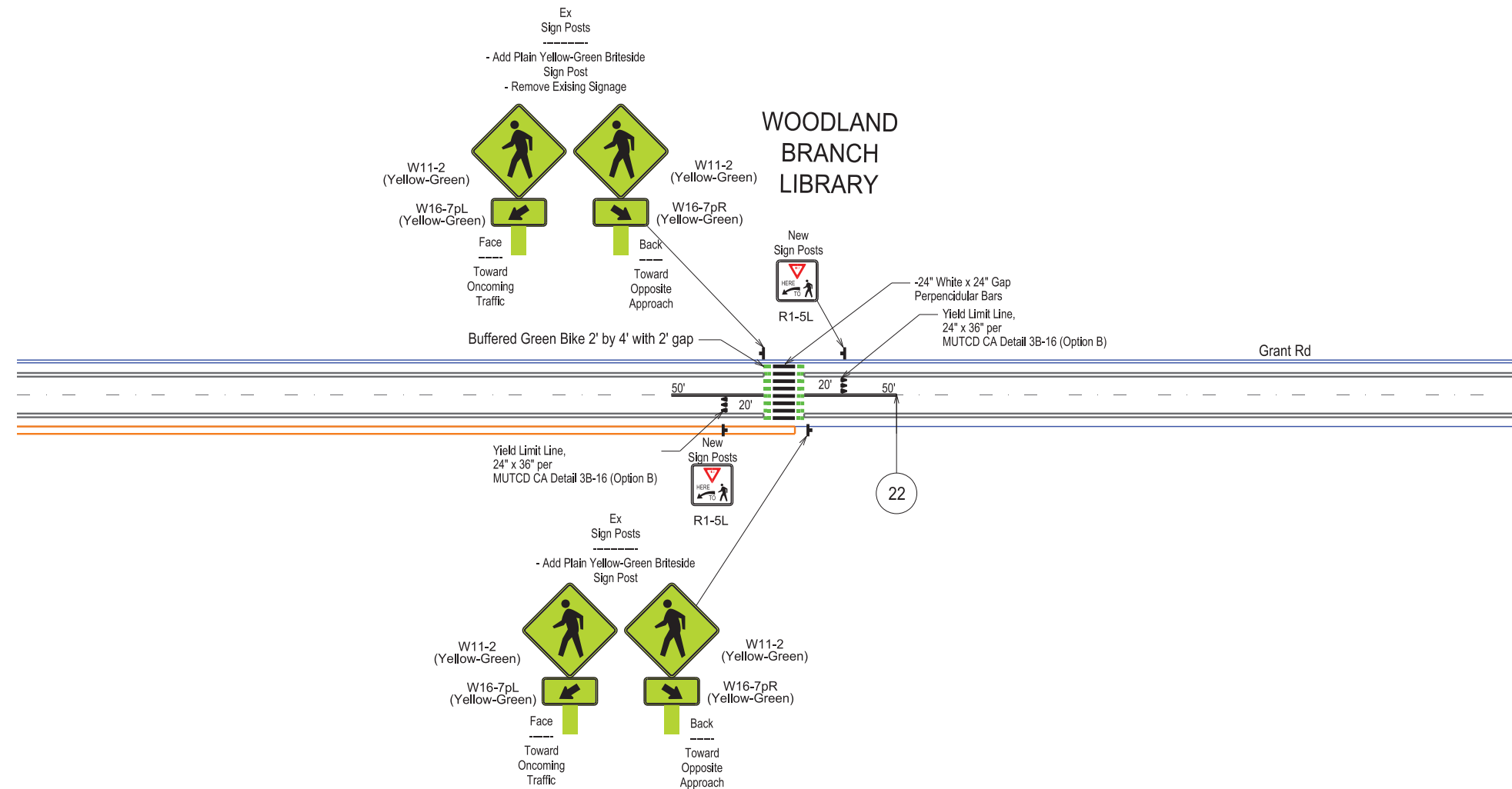
RECOMMENDED FOR BIDDING BY: _____
 DATE: _____

APPROVED FOR BIDDING BY: _____
 DATE: _____

PROJECT NO.	
DRAWING NO.	
E.P. NO.	
SCALE	None
	SS-16



Scale: 1" = 40'



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 22	100 LN FT
24" White	192 LN FT
Pavement Messages:	96 SQ FT
New Sign Post with 1 New Sign:	2 Sets
New Sign Post with 4 New Sign:	2 Sets
BriteSide Sign Post Panel Yellow-Green	2 EA
Performed Green Bike	128 SQ FT

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Info@trafficpatterns.net



Record Drawings

Project Engineer:	_____	Date:	_____
Designer:	_____	Date:	_____
Public Works Inspector:	_____	Date:	_____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	05-03-22
2	Draft Submittal No. 2	05-10-22
3	Draft Submittal No. 3	06-06-22
4	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 12
Grant Rd

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

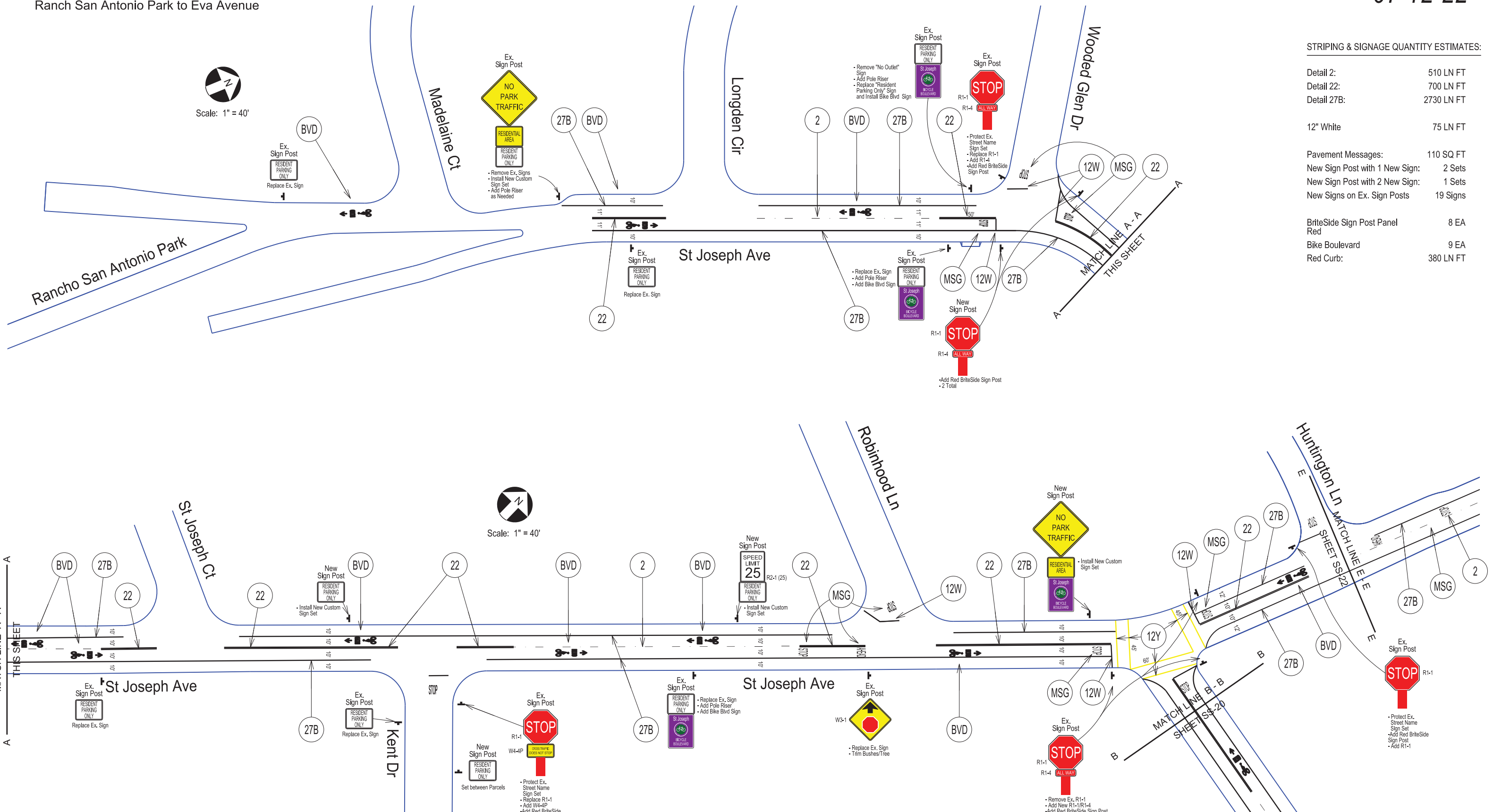
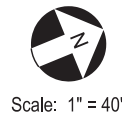
PROJECT NO.	
DRAWING NO.	
E.P. NO.	
SCALE	None
	SS-18

Site 13

St Joseph Avenue
Signage & Striping Plan

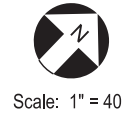
Ranch San Antonio Park to Eva Avenue

FINAL PLAN
07-12-22



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Detail 2:	510 LN FT
Detail 22:	700 LN FT
Detail 27B:	2730 LN FT
12" White:	75 LN FT
Pavement Messages:	110 SQ FT
New Sign Post with 1 New Sign:	2 Sets
New Sign Post with 2 New Sign:	1 Sets
New Signs on Ex. Sign Posts:	19 Signs
BriteSide Sign Post Panel Red:	8 EA
Bike Boulevard:	9 EA
Red Curb:	380 LN FT



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Record Drawings

Project Engineer:	_____	Date:	_____
Designer:	_____	Date:	_____
Public Works Inspector:	_____	Date:	_____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	5-3-22
2	Draft Submittal No. 2	5-10-22
3	Draft Submittal No. 3	06-06-22
4	Final Submittal	07-12-22

DRAWN BY: J. Rodriguez Date: 5-3-22
CHECKED BY: City of Los Altos Date: 5-3-22
DESIGNED BY: J. Rodriguez Date: 5-3-22

Revisions

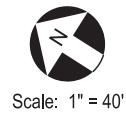
NO.	DESCRIPTION	DATE

City of Los Altos
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project
Site 13
St Joseph Avenue / Eva Avenue
Signage & Striping

RECOMMENDED FOR BIDDING BY: _____
DATE: _____
APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE 1" = 40'
SS-19

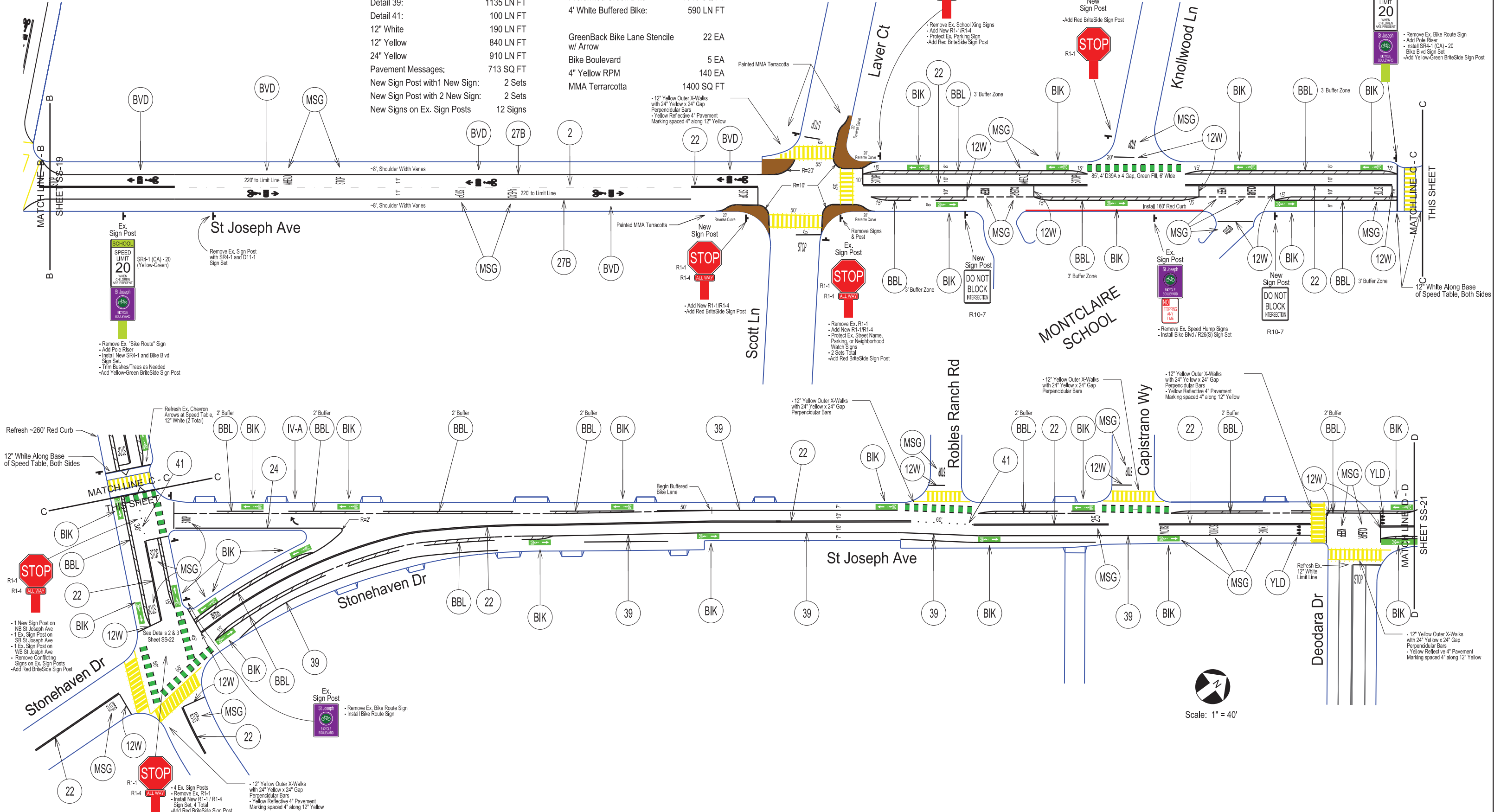
St Joseph Avenue
Signage & Striping Plan
Eva Avenue to Deodora Avenue



STRIPING & SIGNAGE QUANTITY ESTIMATES:

Yield Limit Line	6 EA	BriteSide Sign Post Panel Red	10 EA
Detail 2:	465 LN FT	BriteSide Sign Post Panel Yellow-Green	2 EA
Detail 22:	1466 LN FT	Preformed Green Bike	1345 SQ FT
Detail 27B:	1230 LN FT	4' White Buffered Bike:	590 LN FT
Detail 39:	1135 LN FT	GreenBack Bike Lane Stencil w/ Arrow	22 EA
Detail 41:	100 LN FT	Bike Boulevard	5 EA
12" White	190 LN FT	4" Yellow RPM	140 EA
12" Yellow	840 LN FT	MMA Terracotta	1400 SQ FT
24" Yellow	910 LN FT		
Pavement Messages:	713 SQ FT		
New Sign Post with 1 New Sign:	2 Sets		
New Sign Post with 2 New Sign:	2 Sets		
New Signs on Ex. Sign Posts	12 Signs		

FINAL PLAN
07-12-22



Traffic Patterns
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Record Drawings

Project Engineer:	Date:
Designer:	Date:
Public Works Inspector:	Date:

Public Improvements Initially Accepted by the City Council on:

Submittal Log

NO.	DESCRIPTION	DATE
1	Draft Submittal No. 1	5-3-22
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Revisions

NO.	DESCRIPTION	DATE

City of Los Altos

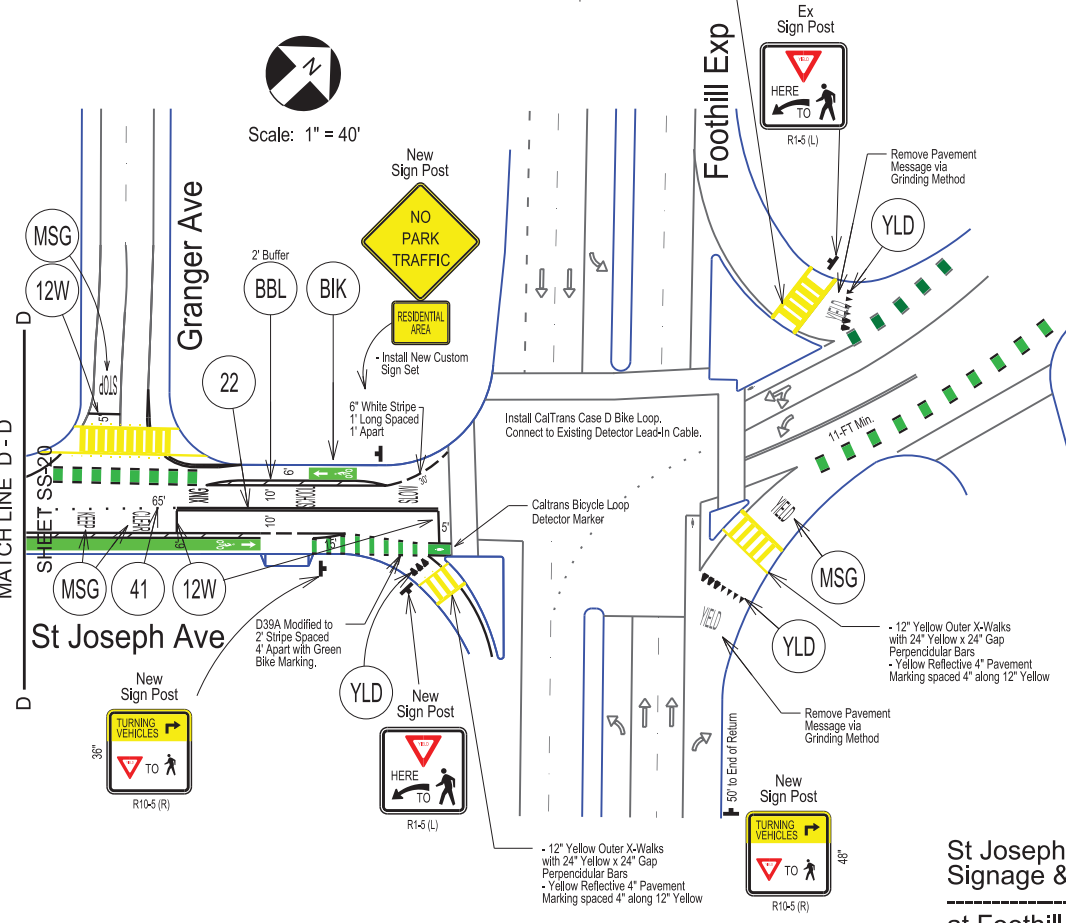
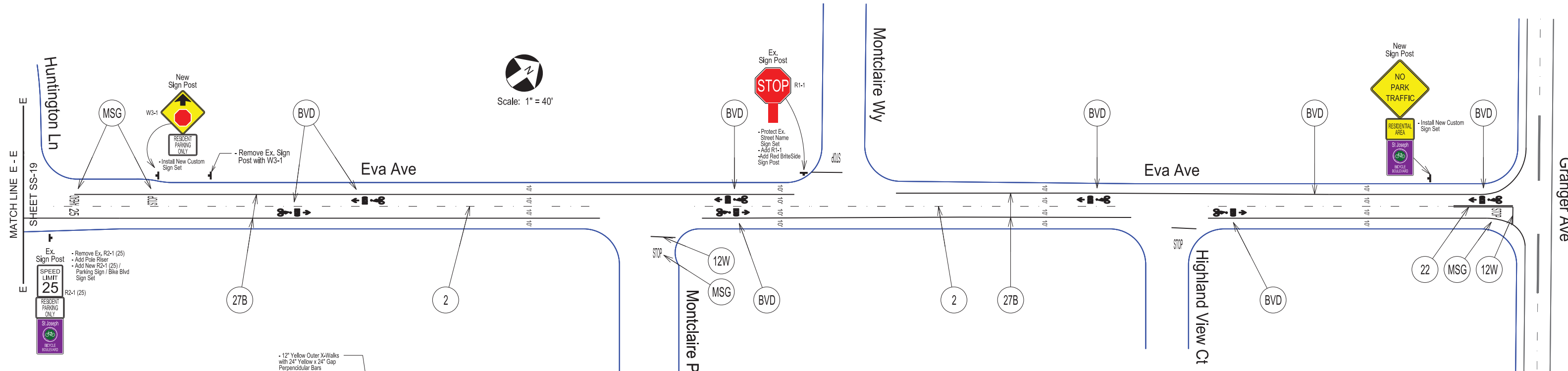
2022 Annual Street Resurfacing Project
and
City Alley Resurfacing Project

Site 13
St Joseph Avenue / Eva Avenue
Signage & Striping

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO. _____
DRAWING NO. _____
E.P. NO. _____
SCALE 1" = 40'
SS-20

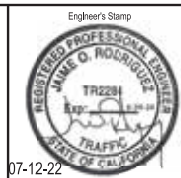


**St Joseph Avenue-Grant Rd
 Signage & Striping Plan
 at Foothill Expressway**

STRIPING & SIGNAGE QUANTITY ESTIMATES:

Yield Limit Line	15 EA
Detail 2:	1020 LN FT
Detail 22:	160 LN FT
Detail 27B:	1855 LN FT
12" White	75 LN FT
12" Yellow	270 LN FT
24" Yellow	240 LN FT
Pavement Messages:	256 SQ FT
New Sign Post with 1 New Sign:	3 Sets
New Sign Post with 2 New Sign:	2 Sets
New Sign Post with 3 New Sign:	1 Sets
New Signs on Ex. Sign Posts	5 Signs
BriteSide Sign Post Panel Red	1 EA
Preformed Green Bike	910 SQ FT
2' White Buffered Bike:	448 LN FT
Bicycle Loop Detector Marker	1 EA
GreenBack Bike Lane Stencil w/ Arrow	3 EA
Bike Boulevard	7 EA
Grinding:	48 SQ FT
4" Yellow RPM	16 EA
BriteSide Sign Post Panel Red	1 EA

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Record Drawings

Project Engineer:	Date:
Designer:	Date:
Public Works Inspector:	Date:

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

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4	Final Submittal	07-12-22

Revisions

NO.	DESCRIPTION	DATE

City of Los Altos
 2022 Annual Street Resurfacing Project
 and
 City Alley Resurfacing Project
 Site 13
 St Joseph Avenue / Eva Avenue
 Signage & Striping

RECOMMENDED FOR BIDDING BY: _____
 DATE: _____

APPROVED FOR BIDDING BY: _____
 DATE: _____

PROJECT NO. _____
 DRAWING NO. _____
 E.P. NO. _____
 SCALE: 1" = 40"
 SS-21

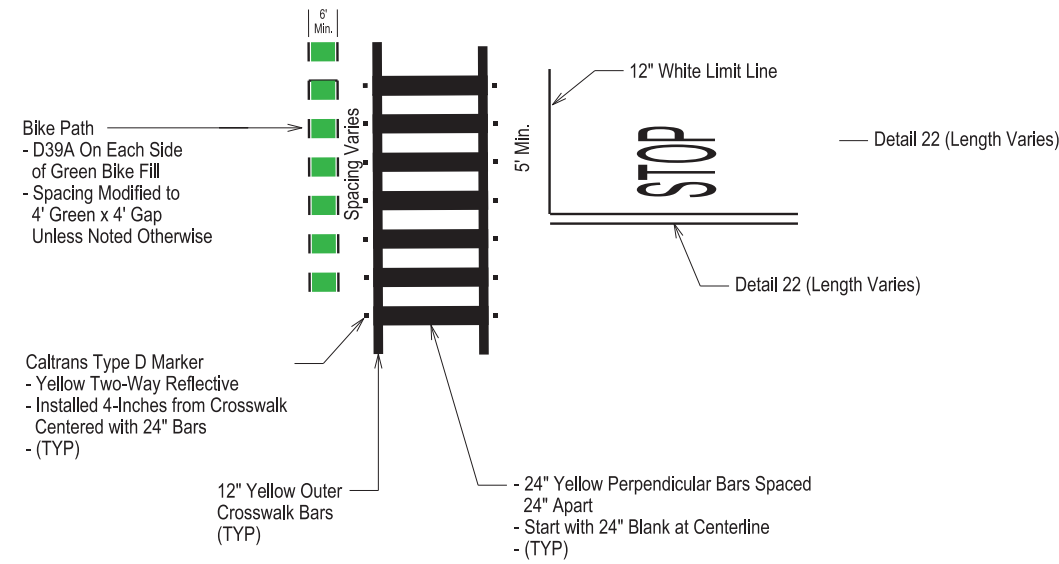
DETAIL 1

Bicycle Boulevard
Designation Sign
Scale: None



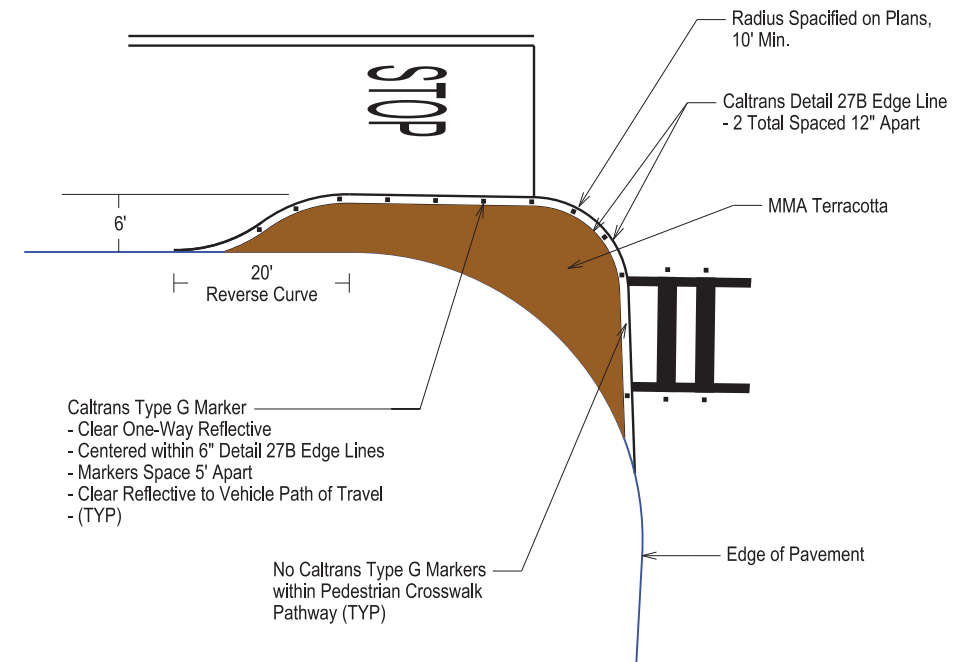
DETAIL 2

School - High Visibility Crosswalk at STOP
Scale: None



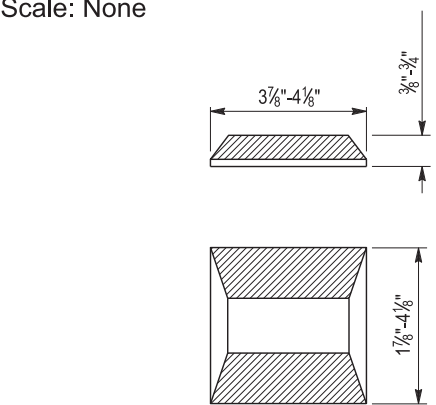
DETAIL 3

Striped Intersecton Return / Bulb-Out
Scale: None



DETAIL 4

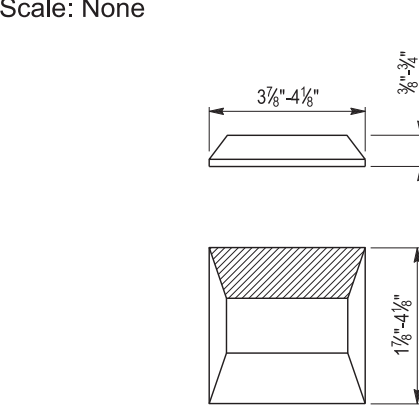
Caltrans Type D Marker
Scale: None



TYPE D
YELLOW RETROREFLECTIVE FACE

DETAIL 5

Caltrans Type G Marker
Scale: None



TYPE G
WHITE RETROREFLECTIVE FACE

BASE BID					
2" Mill & Fill + Digouts as needed					
	Road Name	Beginning Location	End Location	2" Mill Area (SY)	HMA (TON)
1	Angela Drive (1)	Cielito Way	San Antonio Road	4,068	458
2	Arbuelo Way	San Antonio Road	Panchita Way	6,823	768
3	Bellevue Ct	Fremont Ave	Covington Rd	1,172	132
4	Berry Avenue *skip the speed humps	Springer Rd	Miramonte Ave	8,621	970
5	Del Monte Ave *skip the speed humps	Carmel Ave	San Antonio Road	3,633	409
6	Edith Ave E.	Cielito Way	S. Gordon Way	3,198	360
7	Filip Rd	Springer Rd	Covington Rd	3,800	428
8	Friars Ln + Friars Ct	Cristo Ray Dr	End	2,539	286
9	Galli Drive	Cielito Way	S. Gordon Way	2,398	270
10	Golden Way (1)	Berry Ave	Altos Oaks Dr	3,211	361
11	Granger Ave	approx 90' east from Loyola Drive	approx 1000' east of beginning location	3,333	375
12	Hollingsworth Dr + Spargur Dr (loop)	El Monte Ave	El Monte Ave	6,567	739
13	Kring Way	Cristo Ray Dr	Ends	2,067	233
14	Leonello Ave	Covington Rd	N. End	1,606	181
15	Parma Way	Fremont Ave	Arboleda Drive	8,597	967
16	Russel Ave (2)	Berry Ave	Covington Rd	5,218	587
17	Seena Ave	North End	South End	5,780	650
18	St Joseph Avenue (2)	Stonehaven Dr	End @ I-280 underpass	15,294	1,721
			TOTAL:	87,925	9,892
			Digout after 2" mill (revocable)	79,133	SF
			* area of additional digout will be surveyed by City Inspector after 2" mill is completed.		
DIGOUTS AND MICROSURFACING SEGMENTS					
	Road Name	Beginning Location	End Location	Digout Area (SF)	Microsurface Area (SY)
19	Angela Drive (2)	Cielito Way	Gordon Way	4,257	3,107
20	Briarwood Ct	Berry Ave	End	363	1,795
21	Cody Ln	Angela Dr	Ends	814	603
22	Dixon Way	Van Buren St	End	2,709	2,795
23	Elmhurst Dr, Queensbury Ave, Wakefield Ter. (loop)	Truman Ave	Truman Ave	4,310	5,924
24	Eureka Ave	End	Grant Rd	1,105	3,047
25	Eva Ave	St Joseph Ave	Granger Ave	10,000	6,298
26	Fallen Leaf Ln + Loise Ln	Homestead Rd	Victoria Ct	742	10,577
27	Frederick Ct	Merritt Rd	Almond Ave	868	1,504
28	Gordon Way	Covington Rd	Berry Ave	5,035	5,067
29	Harwalt Drive	Oak Ave	Joel Way	368	3,392
30	Hawkins Dr	Harwalt Dr	End	104	1,778
31	Hillview Avenue	San Antonio Road	Osage Ave	1,423	6,117
32	Joel Way	E End	W End	197	2,441
33	Knollwood Ln	St Joseph Ave	End	1,000	1,864
34	Laverne Way			6,477	3,583
35	Los Pajaros Ct	St Joseph Ave	End	878	2,113
36	Marinovich Way (loop)	Oak Ave	Oak Ave	3,319	3,883
37	Merritt Rd + Merritt Ct	Frederick Ct	Gordon Way	6,257	4,330
38	Panchita Way	Jardin Drive	Alvarado Ave	7,807	5,359
39	Portola Ave (1)	San Antonio Road	Los Altos Avenue	13,062	6,210
40	Portola Ave (2)	Los Altos Avenue	West End	6,183	3,620
41	Russel Ave (1)	Covington Rd	N End	-	1,965
42	Santa Rita Ave	Van Buren St	Los Altos Avenue	1,747	1,965
43	Scott Ln	Kent Dr	St. Joseph Ave	4,776	3,538
44	Selig Ln	Harwalt Dr	End	7,779	1,957
45	St Joseph Ave (1)	Foothill Expressway	Stonehaven Drive	5,225	6,346
46	Valley St	Eleanor Ave	Gordon Way	500	1,567
47	Van Buren St	Santa Rita Ave	End	1,722	2,347
48	Victoria Ct	End	Fallen Leaf Ln	1,099	7,327
49	Alley #22 (see map)	Lyell St	Cuesta Drive	3,897	9,190

50	Alley #23	Cuesta Drive	Giffin Rd	4,626	9,120
51	Berry Avenue (speed table only)	Golden Way	Brentwood St	-	111
			TOTAL:	108,649	130,839
BASE BID TOTAL					
			BASE BID TOTAL Digout Area:	187,781	SF
			BASE BID TOTAL 2" Mill & Fill Area:	87,925	SY
			BASE BID TOTAL HMA for Mill & Fill Streets:	9,892	TON
			BASE BID TOTAL Microsurfacing Area:	130,839	SY

ADD ALTERNATE 1					
Digout and Microsurfacing					
	Road Name	Beginning Location	End Location	2" Mill Area (SY)	HMA (TON)
52	Jardin Dr	Valencia Dr	140' east of Alicia Wy	7,904	106,698
			TOTAL:	7,904	106,698

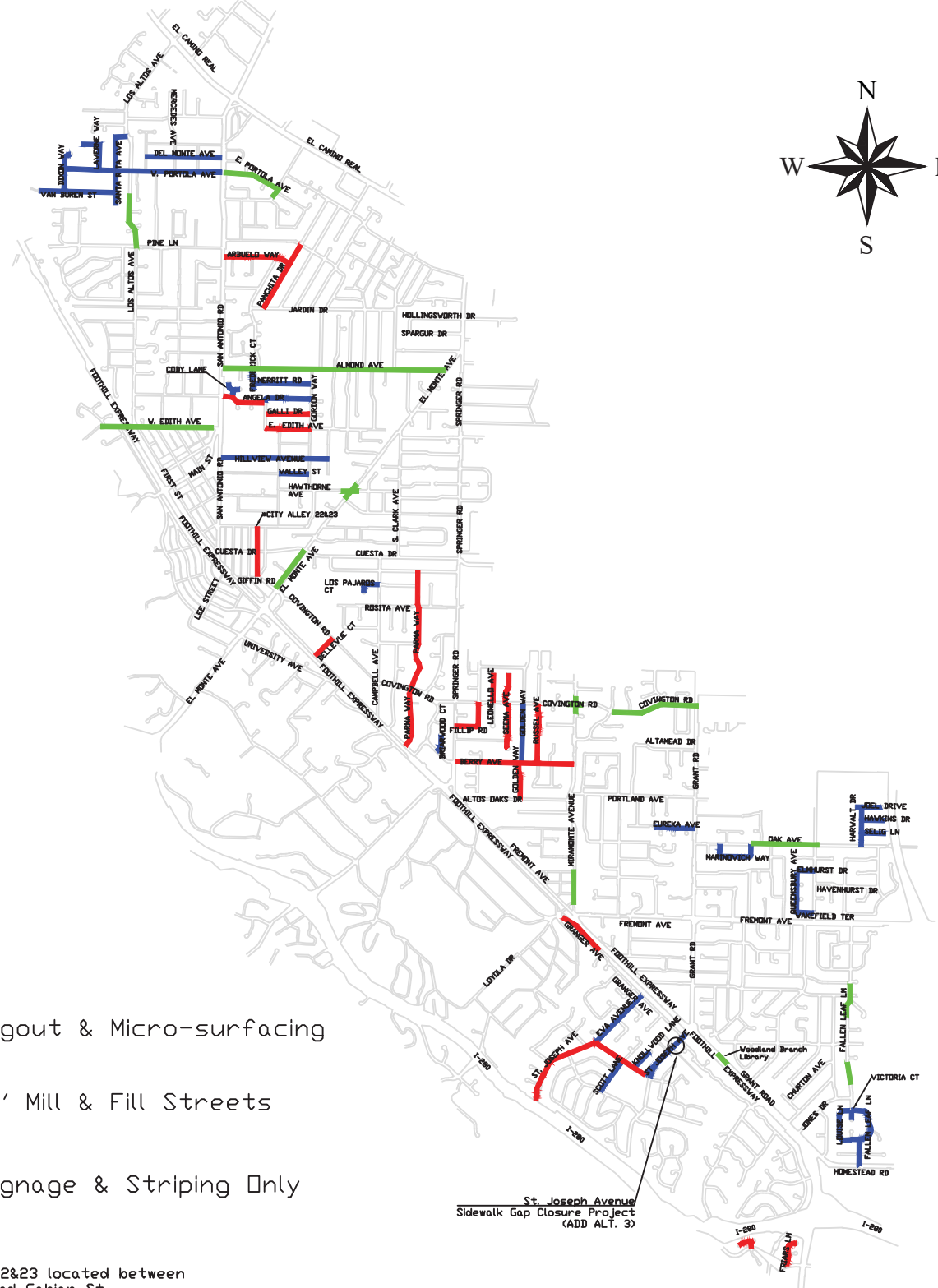
	Road Name	Beginning Location	End Location	PAVEMENT STRIPING/MARKING
1	Angela Drive	Gordon Way	San Antonio Road	540 LF of 6" Double Yellow (Details 21/22) 40 SF of 8ft Letters and Number markings 46 LF of 12" White
2	Arbuelo Way	San Antonio Road	Panchita Way	118 LF of 6" Double Yellow (Details 21/22) 60 LF of 6" Solid Yellow 40 SF of 8ft Letters and Number markings 40 LF of 12" White
3	Bellevue Ct	Fremont Ave	Covington Rd	44 SF of 8ft Letters and Number markings 120 LF of 12" White
4	Berry Avenue	Springer Rd	Miramonte Ave	385 LF of 6" Double Yellow (Details 21/22) 3,090 LF of 6" Solid White (Detail 27b) 1,515 LF of 6" Solid/Broken White (Details 39/39A) 200 LF of 8" Solid White for Bike Lane Drop (Detail 37B) 220 LF of Yellow Centerline Extension (Detail 41) 890 SF of 8ft Letters and Number markings 545 LF of 12" White 1,190 LF of 12" Yellow 1,010 LF of 24" Yellow 12 EA of Yield Line (each triangle) 2 EA of Pavement Arrow Markings 10 EA of Green Sharrow Marking 9 EA of White Sharrow Marking 6 Green Bike Lane stencil with Arrow 1,120 SF of Green Bike Lane 1 EA of Speed Hump/Table markings (each location) 400 LF of 2" White Buffered Bike Lane Hash 336 LF of 4" White Buffered Bike Lane Hash 42 EA of New Sign on Existing Post 13 EA of New Sign Post with 1 new Sign 5 EA of New Sign Post with 2 new Sign 10 EA of Red Reflective Post Panel 16 EA of Green/Yellow Reflective Post Panel 210 SF of Grind off Existing Pavement Marking/Striping 500 LF of New Red Curb Paint 188 EA of 188 Yellow Raised Pavement Markers (RPM)
5	Briarwood Ct	Berry Ave	End	-
6	Cody Ln	Angela Dr	Ends	-
7	Del Monte Ave	Carmel Ave	San Antonio Road	176 SF of 8ft Letters and Number markings 124 LF of 12" White
8	Dixon Way	Van Buren St	End	-
9	Edith Ave E.	Cielito Way	S. Gordon Way	150 LF of 12" White
10	Elmhurst Dr, Queensbury Ave, Wakefield Ter. (loop)	Truman Ave	Truman Ave	22 SF of 8ft Letters and Number markings 23 LF of 12" White
11	Eureka Ave	End	Grant Rd	22 SF of 8ft Letters and Number markings 25 LF of 12" White
12	Fallen Leaf Ln	Homestead Rd	Victoria Ct	1,184 LF of 6" Double Yellow (Details 21/22) 60 LF of 6" Solid Yellow 132 SF of 8ft Letters and Number markings 125 LF of 12" White 100 LF of 12" Yellow
13	Filip Rd	Springer Rd	Covington Rd	22 SF of 8ft Letters and Number markings 120 LF of 12" White
14	Frederick Ct	Merritt Rd	Almond Ave	75 SF of 8ft Letters and Number markings 20 LF of 12" White 122 LF of 12" Yellow
15	Friars Ln + Friars Ct	Cristo Ray Dr	End	22 SF of 8ft Letters and Number markings 24 LF of 12" White
16	Galli Drive	Cielito Way	S. Gordon Way	-
17	Golden Way	Govington Rd	Altos Oak Drive	66 SF of 8ft Letters and Number markings 100 LF of 12" White 190 LF of 12" Yellow 144 LF of 24" White
18	Granger Ave	approx 90' east from Loyola Drive	approx 1000' east of beginning location	920 LF of 6" Double Yellow (Details 21/22) 57 SF of 8ft Letters and Number markings
19	Harwalt Drive	Oak Ave	Joel Way	60 LF of 6" Double Yellow (Details 21/22)
20	Hawkins Dr	Harwalt Dr	End	-
21	Hillview Avenue	San Antonio Road	Osage Ave	76 LF of 6" Double Yellow (Details 21/22) 128 SF of 8ft Letters and Number markings 171 LF of 12" White 10 EA of White Sharrow Marking
22	Hollingsworth Dr + Spargur Dr (loop)	El Monte Ave	El Monte Ave	44 SF of 8ft Letters and Number markings 50 LF of 12" White
23	Joel Way	E End	W End	-
24	Knollwood Ln	St Joseph Ave	End	-
25	Kring Way	Cristo Ray Dr	Ends	80 LF of 6" Double Yellow (Details 21/22) 22 SF of 8ft Letters and Number markings 25 LF of 12" White
26	Laverne Way			-
27	Los Pajaros Ct	St Joseph Ave	End	-

	Road Name	Beginning Location	End Location	PAVEMENT STRIPING/MARKING
28	Marinovich Way (loop)	Oak Ave	Oak Ave	-
29	Merritt Rd + Merritt Ct	Frederick Ct	Gordon Way	22 SF of 8ft Letters and Number markings 20 LF of 12" White
30	Panchita Way	Jardin Drive	Alvarado Ave	44 SF of 8ft Letters and Number markings 50 LF of 12" White
31	Parma Way	Fremont Ave	Arboleda Drive	128 SF of 8ft Letters and Number markings 159 LF of 12" White
32	Portola Ave	San Antonio Road	West End	855 LF of 6" Double Yellow (Details 21/22) 825 LF of 6" Broken Yellow (Detail 2) 95 LF of Yellow Centerline Extension (Detail 41) 446 SF of 8ft Letters and Number markings 985 LF of 12" White 1,490 LF of 12" Yellow 1,200 LF of 24" Yellow 20 EA of Yield Line (each triangle) 17 EA of Green Sharrow Marking 2 EA of Speed Hump/Table markings (each location) 34 EA of New Sign on Existing Post 8 EA of New Sign Post with 1 new Sign 7 EA of New Sign Post with 2 new Sign 6 EA of New Sign Post with 5 new Sign 12 EA of Red Reflective Post Panel 6 EA of Green/Yellow Reflective Post Panel 380 LF of New Red Curb Paint 140 EA of 188 Yellow Raised Pavement Markers (RPM)
33	Russel Ave	Covington Rd	Berry Ave	44 SF of 8ft Letters and Number markings 140 LF of 12" White
34	Santa Rita Ave	Van Buren St	Los Altos Avenue	170 LF of 6" Double Yellow (Details 21/22) 110 SF of 8ft Letters and Number markings 60 LF of 12" White 220 LF of 12" Yellow 270 LF of 24" Yellow 10 EA of White Sharrow Marking 1 EA of New Sign with 30" Convex Mirror 2 EA of New Sign on Existing Post 2 EA of New Sign Post with 1 new Sign 2 EA of New Sign Post with 2 new Sign 4 EA of Red Reflective Post Panel 54 EA of 188 Yellow Raised Pavement Markers (RPM)
35	Scott Ln	Kent Dr	St. Joseph Ave	22 SF of 8ft Letters and Number markings 25 LF of 12" White 120 LF of 24" Yellow
36	Seena Ave	North End	South End	44 SF of 8ft Letters and Number markings 187 LF of 12" White
37	Selig Ln	Harwalt Dr	End	-
38	St Joseph Ave & Eva Avenue	Foothill Expressway	I-280 Underpass	2,326 LF of 6" Double Yellow (Details 21/22) 1,995 LF of 6" Broken Yellow (Detail 2) 5,815 LF of 6" Solid White (Detail 27b) 1,135 LF of 6" Solid/Broken White (Details 39/39A) 100 LF of Yellow Centerline Extension (Detail 41) 1,079 SF of 8ft Letters and Number markings 340 LF of 12" White 1,110 LF of 12" Yellow 1,150 LF of 24" Yellow 21 EA of Yield Line (each triangle) 25 Green Bike Lane stencil with Arrow 2,255 SF of Green Bike Lane 21 EA of Bike Boulevard Marking 448 LF of 2" White Buffered Bike Lane Hash 590 LF of 4" White Buffered Bike Lane Hash 1 EA of Bicycle Detector Symbol 36 EA of New Sign on Existing Post 7 EA of New Sign Post with 1 new Sign 5 EA of New Sign Post with 2 new Sign 1 EA of New Sign Post with 3 new Sign 20 EA of Red Reflective Post Panel 2 EA of Green-Yellow Reflective Post Panel 48 SF of Grind off Existing Pavement Marking/Striping 380 LF of New Red Curb Paint 1,400 SF of MMA Terracotta 156 EA of 188 Yellow Raised Pavement Markers (RPM)
39	Valley St	Eleanor Ave	Gordon Way	22 SF of 8ft Letters and Number markings 18 LF of 12" White
40	Van Buren St	Santa Rita Ave	End	-
41	Victoria Ct	End	Fallen Leaf Ln	50 LF of 6" Double Yellow (Details 21/22) 22 SF of 8ft Letters and Number markings 25 LF of 12" White
	Striping Improvement Only, No pavement work.			
				145 LF of 6" Double Yellow (Details 21/22) 650 LF of 6" Solid White (Detail 27b) 426 SF of 8ft Letters and Number markings 405 LF of 12" White 1,545 LF of 12" Yellow 1,120 LF of 24" Yellow

	Road Name	Beginning Location	End Location	PAVEMENT STRIPING/MARKING
42	Almond Avenue, El Monte Ave, Jay St (Sheet SS-2 and SS-3 of Striping Plan)	-	-	3 EA of Yield Line (each triangle) 1 EA of Pavement Arrow Markings 1,344 SF of Green Bike Lane 644 LF of 2" White Buffered Bike Lane Hash 19 EA of New Sign on Existing Post 15 EA of New Sign Post with 1 new Sign 2 EA of New Sign Post with 2 new Sign 3 EA of Red Reflective Post Panel 5 EA of Green-Yellow Reflective Post Panel 252 SF of Grind off Existing Pavement Marking/Striping 591 LF of New Red Curb Paint 5,657 SF of MMA Terracotta 158 EA of 188 Yellow Raised Pavement Markers (RPM)
43	W Edith Avenue (Sheet SS-4)	San Antonio Road	Cypress Dr	28 LF of 6" Solid White (Detail 27b) 85 LF of Yellow Centerline Extension (Detail 41) 88 SF of 8ft Letters and Number markings 70 LF of 12" White 825 LF of 12" Yellow 750 LF of 24" Yellow 38 EA of Yield Line (each triangle) 12 EA of Green Sharrow Marking 7 Green Bike Lane stencil with Arrow 957 SF of Green Bike Lane 276 LF of 2" White Buffered Bike Lane Hash 72 LF of 4" White Buffered Bike Lane Hash 8 EA of New Sign on Existing Post 10 EA of New Sign Post with 1 new Sign 2 EA of New Sign Post with 4 new Sign 8 EA of Green-Yellow Reflective Post Panel 180 SF of Grind off Existing Pavement Marking/Striping 140 EA of 188 Yellow Raised Pavement Markers (RPM)
44	Oak Avenue (SS-7)	Marinovich Way	Truman Ave	260 LF of 6" Double Yellow (Details 21/22) 277 SF of 8ft Letters and Number markings 200 LF of 12" White 990 LF of 12" Yellow 640 LF of 24" Yellow 6 EA of Yield Line (each triangle) 1 EA of Speed Hump/Table markings (each location) 25 EA of New Sign on Existing Post 7 EA of New Sign Post with 1 new Sign 1 EA of New Sign Post with 2 new Sign 9 EA of Red Reflective Post Panel 6 EA of Green-Yellow Reflective Post Panel 167 SF of Grind off Existing Pavement Marking/Striping 285 LF of New Red Curb Paint 160 LF of New White Curb Paint 118 EA of 188 Yellow Raised Pavement Markers (RPM)
45	Los Altos Avenue (SS-9)	Pine Lane	Vernal Ct	90 LF of 6" Double Yellow (Details 21/22) 111 SF of 8ft Letters and Number markings 250 LF of 12" White 760 LF of 12" Yellow 700 LF of 24" Yellow 6 EA of Yield Line (each triangle) 14 EA of New Sign on Existing Post 8 EA of New Sign Post with 1 new Sign 1 EA of New Sign Post with 2 new Sign 1 EA of New Sign Post with 4 new Sign 6 EA of Red Reflective Post Panel 4 EA of Green-Yellow Reflective Post Panel 180 LF of New Red Curb Paint 85 LF of New White Curb Paint 142 EA of 188 Yellow Raised Pavement Markers (RPM)
46	Covington Road (SS-10 & SS-11)	Miramonte Ave	Grant Rd	125 LF of 6" Double Yellow (Details 21/22) 284 SF of 8ft Letters and Number markings 360 LF of 12" White 1,240 LF of 12" Yellow 80 LF of 24" White 970 LF of 24" Yellow 6 EA of Yield Line (each triangle) 10 EA of Pavement Arrow Markings 4 EA of Green Sharrow Marking 2 EA of White Sharrow Marking 2 Green Bike Lane stencil with Arrow 10 EA of White Bike Lane Symbol without Arrow 3,210 SF of Green Bike Lane 628 LF of 2" White Buffered Bike Lane Hash 22 EA of New Sign on Existing Post 3 EA of New Sign Post with 1 new Sign 3 EA of New Sign Post with 2 new Sign 1 EA of New Sign Post with 5 new Sign 5 EA of Red Reflective Post Panel 8 EA of Green-Yellow Reflective Post Panel 862 SF of Grind off Existing Pavement Marking/Striping 380 LF of New Red Curb Paint 105 EA of 188 Yellow Raised Pavement Markers (RPM)
				600 LF of 6" Double Yellow (Details 21/22) 96 SF of 8ft Letters and Number markings 600 LF of 12" White



2022 Annual Street Resurfacing Project



- LEGEND:
- Digout & Micro-surfacing
 - 2'' Mill & Fill Streets
 - Signage & Striping Only

*City Alley 22&23 located between Lassen St and Gabian St

St. Joseph Avenue Sidewalk Gap Closure Project (ADD ALT. 3)

CITY OF LOS ALTOS
ENGINEERING SERVICES DEPARTMENT
SANTA CLARA COUNTY, CALIFORNIA

2022 Resurfacing Project Map

DRAWN BY:	—
CHECKED BY:	—
APPROVED BY:	—
DATE:	—
SCALE:	NTS
DWG NO.:	—

NOTES REGARDING EXISTING CONDITIONS, AND TEMPORARY USE OF THE PROJECT SITE:

1.01 GENERAL

- A. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE EXECUTION OF THE CONSTRUCTION WORK INCLUDED IN THIS PROJECT. JOB SITE SAFETY INCLUDES BUT IS NOT LIMITED TO PROTECTING THE SAFETY OF ALL PERSONS AND PROPERTY.
- B. THE REQUIREMENTS NOTED HEREIN SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
- C. CONTRACTOR SHALL POST ON THE PROJECT SITE, EMERGENCY TELEPHONE NUMBERS FOR AMBULANCE, POLICE AND FIRE DEPARTMENTS.
- D. THE CONTRACTOR IS RESPONSIBLE FOR POSTING ANY OFF-SITE OR ON-SITE SIGNS REQUIRED BY THE CITY OF LOS ALTOS AND SANTA CLARA COUNTY.

1.02 SAFETY

- A. PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND REGIONAL STATUTES, LAWS, REGULATIONS, RULES, AND ORDINANCES. REQUIREMENTS NOTED IN APPLICABLE FEDERAL, STATE AND REGIONAL STATUTES, LAWS, REGULATIONS, RULES, AND ORDINANCES ARE AMENDED FREQUENTLY AND THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL AMENDMENTS AS THEY BECOME EFFECTIVE. INTERIM RULES AND SIMILAR PUBLISHED DOCUMENTS SHALL BE INCLUDED AS A PART OF ALL APPLICABLE FEDERAL, STATE AND REGIONAL STATUTES, LAWS, REGULATIONS, RULES, AND ORDINANCES.
- B. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCES, FLAGPERSONS, AND OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY AS WELL AS FOR THE SAFETY OF WORKERS.

1.03 PROTECTION OF EXISTING SITE IMPROVEMENTS

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND LANDSCAPING INDICATED TO REMAIN AT AREAS DESIGNATED FOR THE CONTRACTOR'S USE.
- B. PROTECT SIDEWALKS, FENCES, TREES, SHRUBS, VINES, GROUND COVER, AND ALL EXISTING CONSTRUCTION ON ADJACENT PUBLIC AND PRIVATE PROPERTY AT ALL AREAS USED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
- C. PROTECT STREET LIGHTS, STORM DRAINS, AND ALL UNDERGROUND AND OVERHEAD UTILITIES ON ADJACENT PUBLIC AND PRIVATE PROPERTY.
- D. SEE SPECIFICATIONS AND OTHER DOCUMENTS INCLUDED IN THE CONTRACT DOCUMENTS FOR REQUIREMENTS FOR PROTECTION OF EXISTING CONSTRUCTION AND FOR REPAIR OF DAMAGE CAUSED BY THE CONTRACTOR TO BUILDINGS, PUBLIC ROADS, ASPHALT AND CONCRETE PAVING, FENCES, LANDSCAPED AREAS, TREES, SHRUBBERY, POLES, AND OTHER ITEMS. ALL DAMAGE SHALL BE MADE GOOD BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE CITY.

1.04 PROTECTION OF WASTE DISPOSAL AND STORM WATER RUNOFF DRAINAGE SYSTEMS

- A. THE CONTRACTOR SHALL PREVENT DIRT, DEBRIS OR OTHER FOREIGN MATTER FROM ENTERING PLUMBING DRAINS AND OTHER PIPE OPENINGS THAT COULD RESULT IN DIRT, DEBRIS OR OTHER FOREIGN MATTER ENTERING THE BUILDING WASTE DISPOSAL SYSTEMS.
- B. THE CONTRACTOR SHALL PREVENT DIRT, DEBRIS OR OTHER FOREIGN MATTER FROM ENTERING THE ROOF DRAINS, AREA DRAINS, AND OTHER PIPE OPENINGS THAT COULD RESULT IN DIRT, DEBRIS OR OTHER FOREIGN MATTER ENTERING THE STORM DRAINAGE SYSTEMS.
- C. THE CONTRACTOR SHALL COMPLY WITH THE "BLUEPRINT FOR A CLEAN BAY", SHEET 9 OF THE PLANS.

GENERAL NOTES (CONTINUED)

1.05 ACCESS

- A. MOVEMENT OF HEAVY EQUIPMENT SHALL BE CONFINED TO EXISTING PAVED SURFACES UNLESS OTHERWISE APPROVED BY THE CITY.
- B. MAINTAIN UNOBSTRUCTED FIRE LANES THROUGH THE SITE, AND MAINTAIN ACCESS TO FIRE HYDRANTS AS REQUIRED BY FIRE DEPARTMENT. NO TEMPORARY CONSTRUCTION, MATERIAL STORAGE, PARKING OR OTHER CONTRACTOR ACTIVITY WILL BE PERMITTED IN DESIGNATED FIRE LANES EXCEPT FOR PERFORMANCE OF WORK SPECIFICALLY REQUIRED BY CONTRACT DOCUMENTS.

1.06 HOISTING

- A. CRANES, HOISTS, LIFTS, AND OTHER MATERIAL HANDLING EQUIPMENT SHALL BE LOCATED ONLY ON PAVED AREAS UNLESS OTHERWISE APPROVED BY THE CITY.
- B. ACCESS FOR PURPOSES OF INSTALLING AND REMOVING CRANES, HOISTS, LIFTS, AND OTHER MATERIAL HANDLING EQUIPMENT SHALL BE COORDINATED WITH THE CITY.

1.07 TEMPORARY UTILITIES

- A. THE CONTRACTOR SHALL ASSUME THAT WATER, SANITARY SEWER, POWER, AND COMMUNICATIONS SERVICES ARE NOT AVAILABLE ON THE SITE.
- B. CONNECTIONS TO EXISTING UTILITY COMPANY SERVICES ON THE PROJECT SITE OR ADJACENT TO THE SITE MAY OR MAY NOT BE AVAILABLE. THE CITY MAKES NO REPRESENTATIONS REGARDING THE AVAILABILITY OF UTILITIES ON THE SITE. CONNECTIONS TO EXISTING UTILITIES ON OR OFF THE SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL UTILITIES REQUIRED TO COMPLETE THE EXECUTION OF THE WORK, AND THE COST TO PROVIDE ALL TEMPORARY UTILITY SERVICES REQUIRED TO EXECUTE THE WORK SHALL BE BORNE BY THE CONTRACTOR.
- D. CONNECTION TO EXISTING FIRE HYDRANTS TO OBTAIN WATER FOR CONSTRUCTION PURPOSES WILL NOT BE PERMITTED.

1.08 TEMPORARY STORAGE

- A. DEBRIS RESULTING FROM DEMOLITION OPERATIONS SHALL NOT BE STORED IN AREAS ACCESSIBLE TO THE PUBLIC. REMOVE DEBRIS AT THE END OF EACH DAY.
- B. AREAS WHERE MATERIALS AND DEBRIS ARE STORED SHALL BE SECURED TO THE SATISFACTION OF THE CITY.
- C. ALL HAZARDOUS MATERIALS ARE TO BE STORED AS FOLLOWS: PROVIDE A PERIMETER BERM AT LEAST 12 INCHES HIGH, AND LINE THE AREA WITH 10 MIL REINFORCED POLYETHYLENE SHEETING EXTENDING OVER THE BERM. JOINTS BETWEEN SHEETING SHALL BE SEALED WITH WATERPROOF TAPE. ANY SPILLAGE OF SOLID OR LIQUID MATERIAL INTO THE AREA CONTAINED BY THE BERM SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR AND DISPOSED OF IN A LEGAL MANNER.

GENERAL NOTES (CONTINUED)

GENERAL NOTES REGARDING THE EXECUTION OF THE WORK

2.01 SCHEDULING OF CONSTRUCTION WORK

- A. SEE THE SPECIFICATIONS AND OTHER DOCUMENTS INCLUDED IN THE CONTRACT DOCUMENTS FOR SCHEDULING REQUIREMENTS. THE FOLLOWING IS ADDITIONAL TO ANY REQUIREMENTS DESCRIBED IN OTHER DOCUMENTS INCLUDED IN THE CONTRACT DOCUMENTS.
- B. WORKING HOURS SHALL BE BETWEEN 8:00 AM AND 5:00 PM MONDAY THROUGH FRIDAY. WORK OUTSIDE THESE HOURS OR ON WEEKENDS WILL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE CITY.

2.02 NOISE AND POLLUTION CONTROL

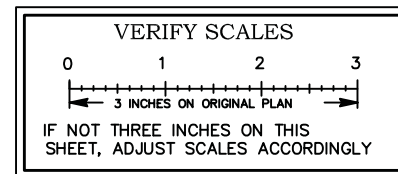
- A. PERFORM ALL WORK IN CONFORMANCE WITH THE REQUIREMENTS OF ALL APPLICABLE FEDERAL, STATE OF CALIFORNIA, REGIONAL, AND LOCAL STATUTES, LAWS, REGULATIONS, RULES, ORDINANCES, CODES, AND STANDARDS REGARDING NOISE, AIR, AND WATER POLLUTION CONTROL.
- B. THE USE OF CUTTING OR HAMMERING OR OTHER EQUIPMENT SHALL BE LIMITED TO THAT ALLOWED BY THE NOISE ORDINANCES OF THE CITY OF LOS ALTOS, AND AS ALLOWED BY ALL APPLICABLE FEDERAL, STATE, REGIONAL, AND LOCAL STATUTES, LAWS, REGULATIONS, RULES, AND ORDINANCES. THE USE OF EQUIPMENT THAT IS NOT IN ACCORDANCE WITH SUCH REGULATORY AND OTHER NOISE LIMITATION REQUIREMENTS IS PROHIBITED.

2.03 EXISTING UTILITIES

- A. THE DRAWINGS DO NOT DESCRIBE THE FULL EXTENT OF EXISTING UTILITIES DISTRIBUTION SYSTEMS ON THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
- B. SEE UTILITIES DEMOLITION NOTES FOR SPECIFIC REQUIREMENTS RELATING TO UTILITIES.
- C. PROVIDE A MINIMUM OF 12 CALENDAR DAYS NOTICE TO THE CITY REGARDING SHUT-DOWN OF UTILITIES TO FACILITATE DEMOLITION WORK.

2.04 TRUCK ROUTES

- A. TRUCK ROUTES FOR CONSTRUCTION TRAFFIC SHALL CONFORM TO REQUIREMENTS OF TITLE 8, CHAPTER 8.16 OF THE CITY OF LOS ALTOS MUNICIPAL CODE.



HEI HARRISON ENGINEERING INC.
 1987 BONIFACIO STREET * CONCORD, CA 94520
 PHONE (925) 691-0450

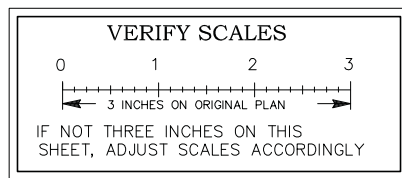
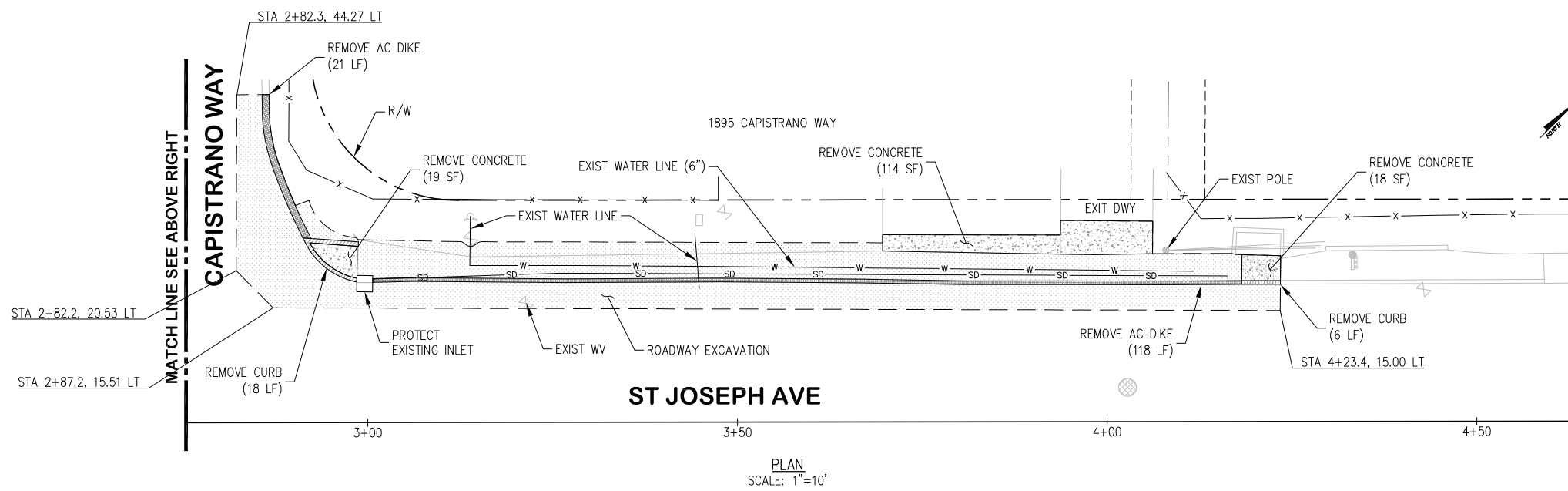
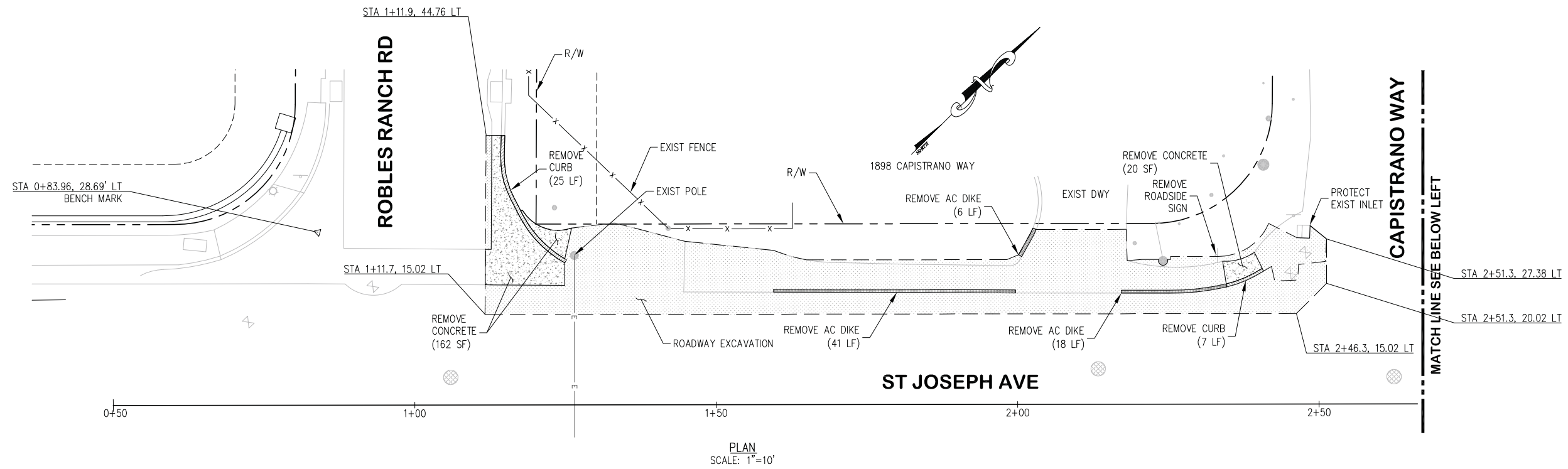
BENCH MARK		REFERENCE	
STA 0+83.96, 28.69' LT.		ELEVATION: 259.77'	
NO.	REVISION	BY	APP.
	DESIGNED: ESM		
	DRAWN: ESM		
	CHECKED: RTH		
DATE	SCALE		
6/19/22	AS NOTED		

CITY OF LOS ALTOS
 CALIFORNIA

ST JOSEPH AVE
 SIDEWALK GAP CLOSURE
 GENERAL NOTES



APPROVED BY	
CITY ENGINEER	
DATE	
SHEET 2 OF 9	
DWG. CV-2	CASE



HEI HARRISON ENGINEERING INC.
 1987 BONIFACIO STREET • CONCORD, CA 94520
 PHONE (925) 691-0450

BENCH MARK		REFERENCE	
STA 0+83.96, 28.69' LT. ELEVATION: 259.77'			
NO.	REVISED	BY	APP.
DESIGNED	FSM		
DRAWN	FSM		
CHECKED	FSM		
DATE	6/13/22	SCALE	AS NOTED

CITY OF LOS ALTOS
 CALIFORNIA

**ST JOSEPH AVE
 SIDEWALK GAP CLOSURE
 DEMOLITION PLAN**

APPROVED BY
 CITY ENGINEER

DATE
 3 OF 9

DWG. CV-3 CASE

CENTERLINES (2 LANE HIGHWAYS)

DETAIL 1

DETAIL 2

~~DETAIL 3~~ DETAIL 3 DELETED

~~DETAIL 4~~ DETAIL 4 DELETED

DETAIL 5

DETAIL 6

~~DETAIL 7~~ DETAIL 7 DELETED

LANELINES (MULTILANE HIGHWAYS)

DETAIL 8

DETAIL 9

DETAIL 9A
SEE NOTE

~~DETAIL 10~~ DETAIL 10 DELETED

DETAIL 11

LANELINES (Cont)

DETAIL 12

DETAIL 12A
SEE NOTE

~~DETAIL 13~~ DETAIL 13 DELETED

~~DETAIL 14~~ DETAIL 14 DELETED

~~DETAIL 14A~~ DETAIL 14A DELETED

NO PASSING ZONES-ONE DIRECTION

DETAIL 15

DETAIL 16

~~DETAIL 17~~ DETAIL 17 DELETED

DETAIL 18

DETAIL 19

~~DETAIL 20~~ DETAIL 20 DELETED

NO PASSING ZONES-TWO DIRECTION

DETAIL 21

DETAIL 22

~~DETAIL 23~~ DETAIL 23 DELETED

LEGEND

MARKERS

- TYPE C RED-CLEAR RETROREFLECTIVE
- TYPE D TWO-WAY YELLOW RETROREFLECTIVE
- TYPE G ONE-WAY CLEAR RETROREFLECTIVE
- TYPE H ONE-WAY YELLOW RETROREFLECTIVE

LINES

- 6" WHITE
- 6" YELLOW

TYPE C AND TYPE D **TYPE G AND TYPE H**

RETROREFLECTIVE FACE

NOTE:
FOR FREEWAY APPLICATION ONLY

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKERS
AND TRAFFIC LINES
TYPICAL DETAILS**

NO SCALE

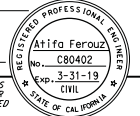
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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

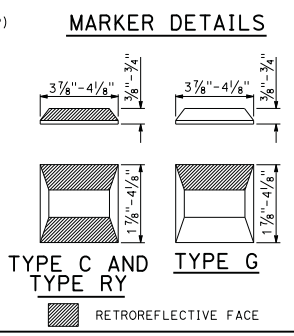
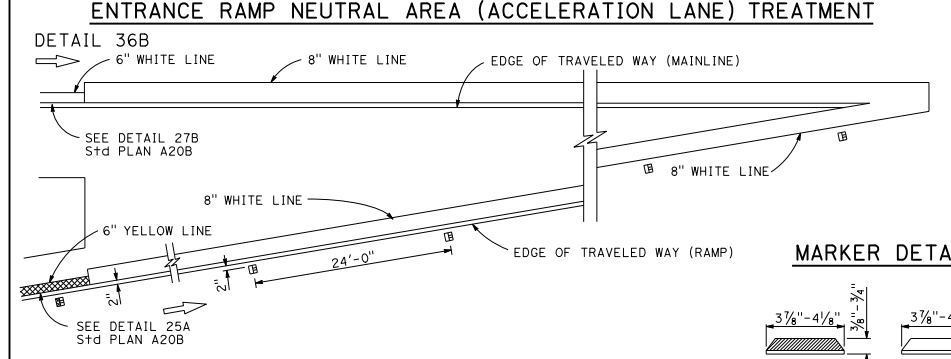
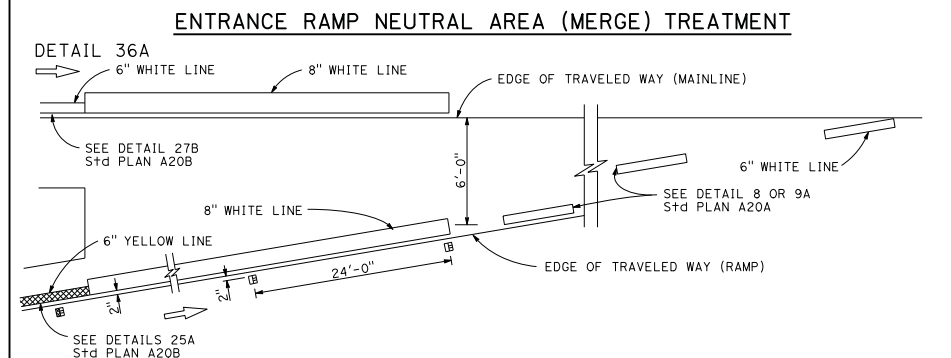
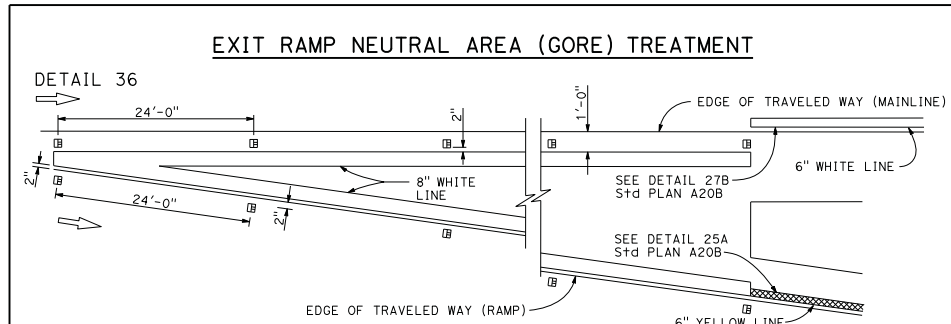
Atifa Farooq
REGISTERED CIVIL ENGINEER

May 31, 2018
PLANS APPROVAL DATE

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2018 STANDARD PLAN A20A



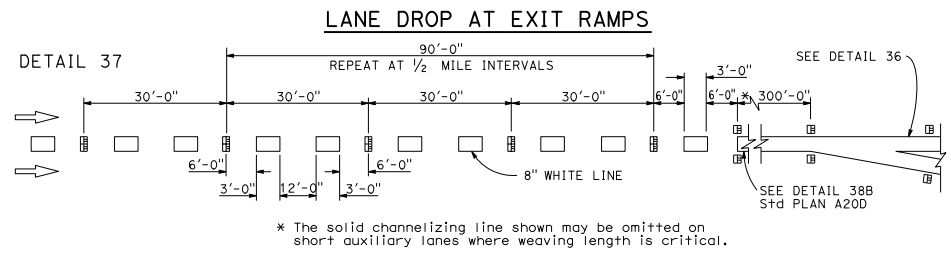
- ### LEGEND:
- MARKERS
- TYPE C RED-CLEAR RETROREFLECTIVE
 - TYPE G ONE-WAY CLEAR RETROREFLECTIVE
 - TYPE RY RED-YELLOW RETROREFLECTIVE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

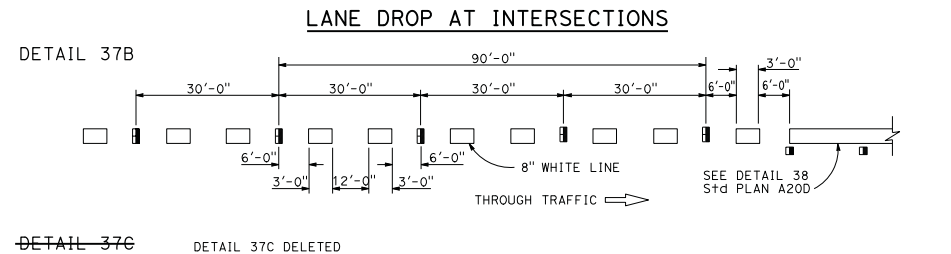
Atifa Farooq
REGISTERED CIVIL ENGINEER
May 31, 2018
PLANS APPROVAL DATE

Atifa Farooq
C80402
3-31-19
CIVIL
STATE OF CALIFORNIA

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DETAIL 37A DETAIL 37A DELETED



DETAIL 37C DETAIL 37C DELETED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

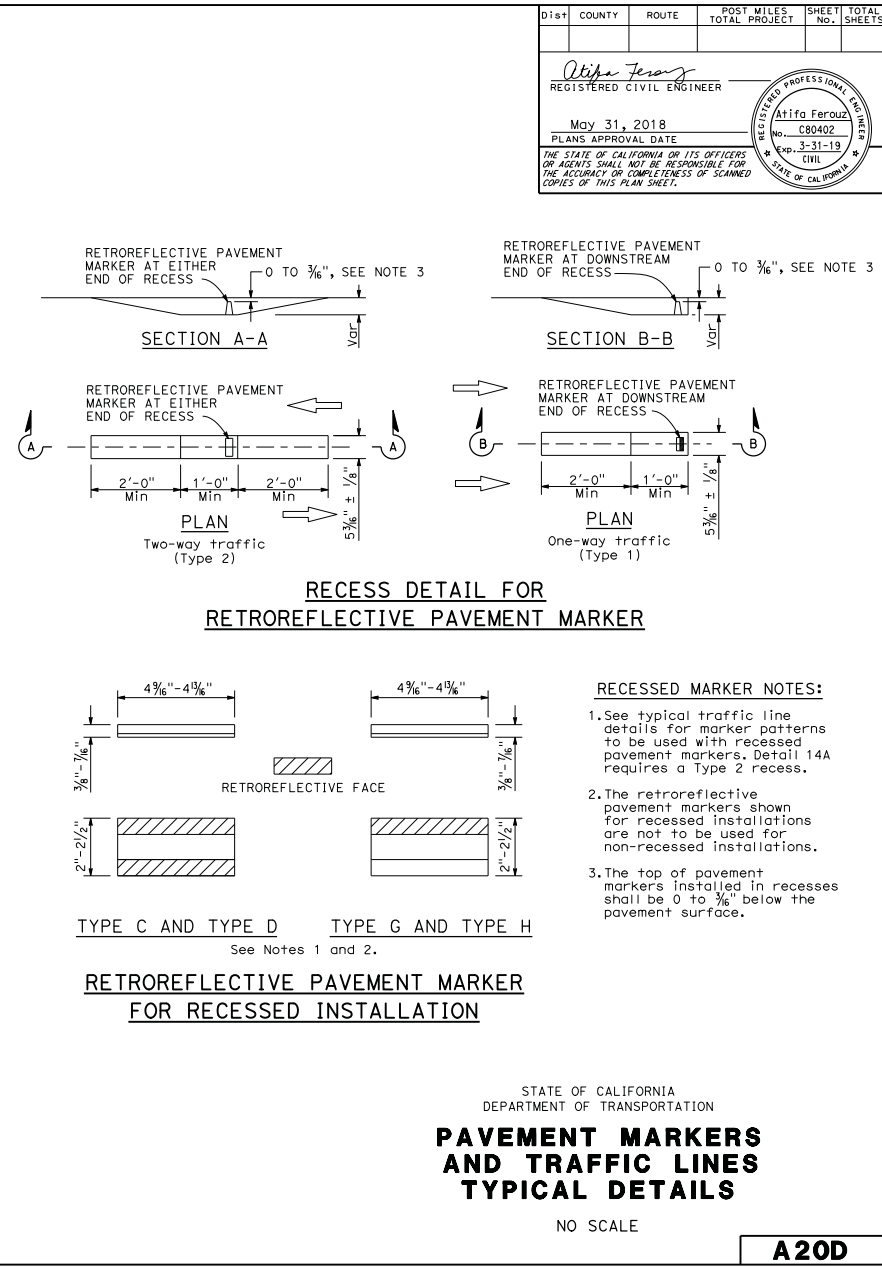
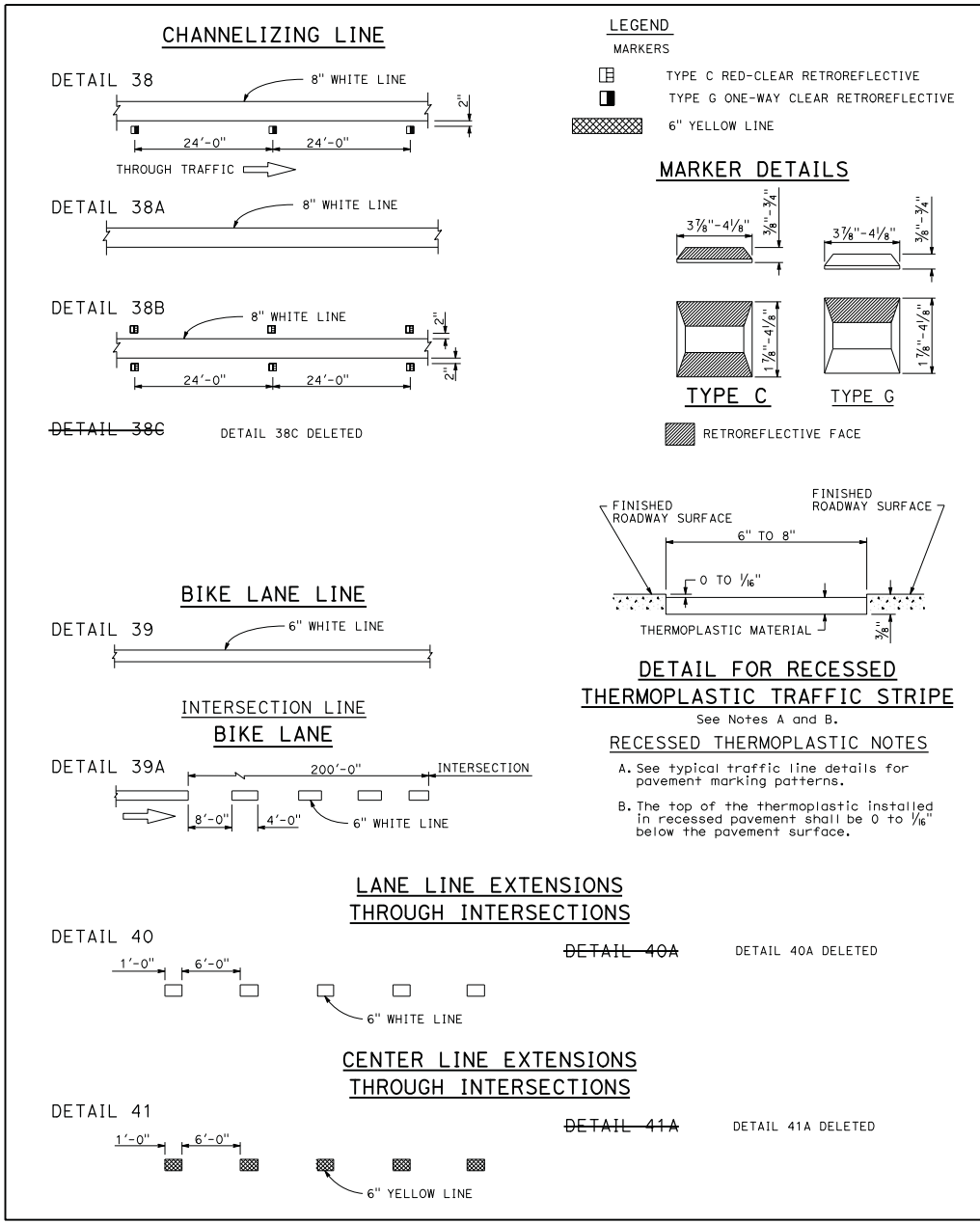
NO SCALE

A20C

2018 STANDARD PLAN A20C

[Return to Table of Contents](#)

15



2018 STANDARD PLAN A20D

[Return to Table of Contents](#)

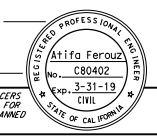
NOTES:

1. See Standard Plans A20A, A20B, A20C, and A20D for pavement markers and traffic lines typical details.
2. Detail 9 traffic stripe shown, see project plans for traffic stripe details.

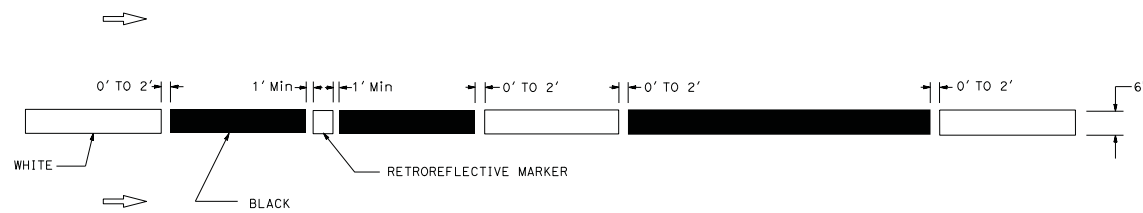
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Alfonso Ferrel
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE

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16



OPTION 2
TYPICAL LANE LINE CONTRAST DETAIL
 See Note 2



OPTION 1
TYPICAL LANE LINE OR RIGHT EDGE LINE CONTRAST DETAIL

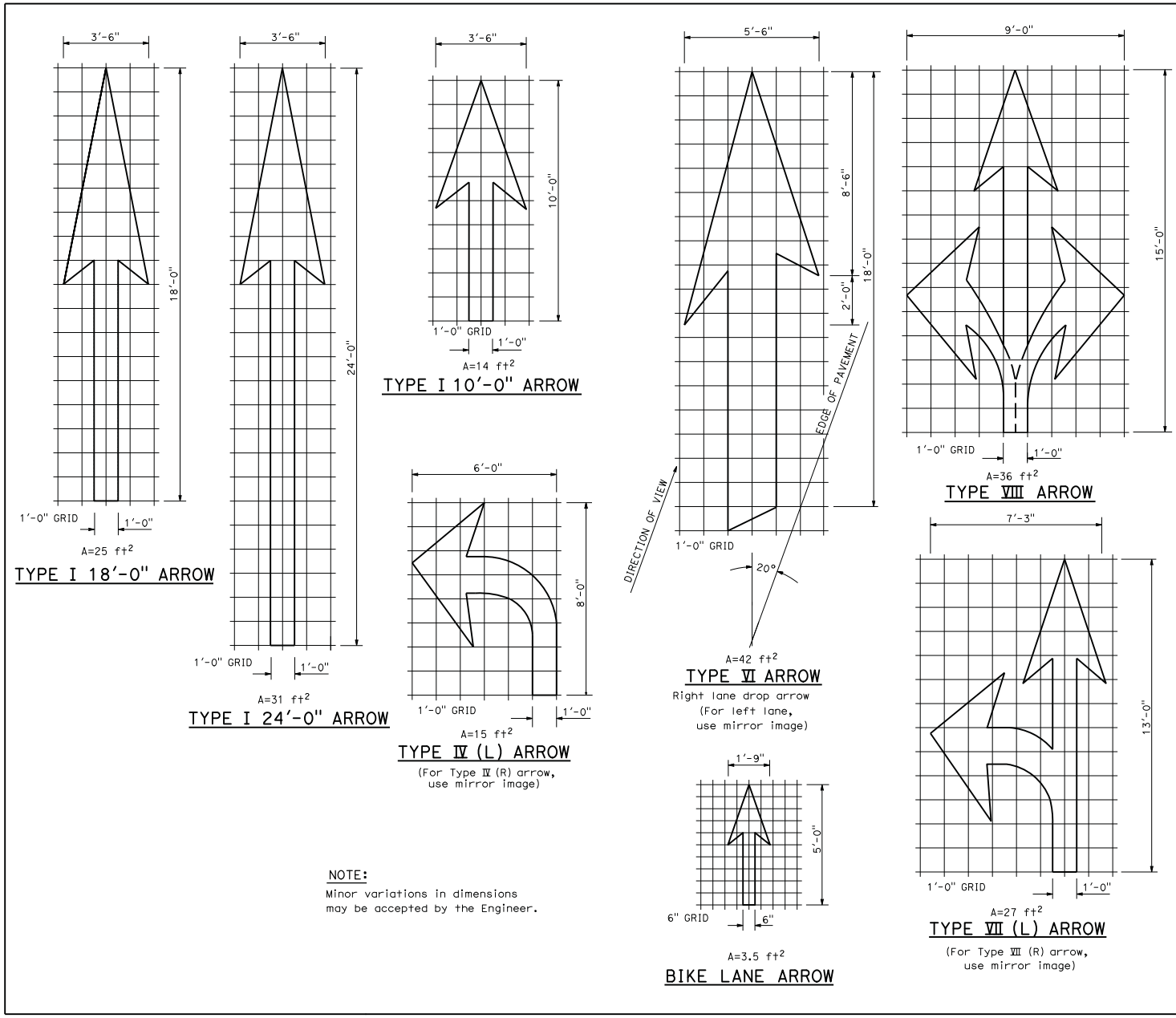
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKERS
 AND TRAFFIC LINES**
TYPICAL DETAILS FOR CONTRAST STRIPING
 NO SCALE

A20E

2018 STANDARD PLAN A20E

[Return to Table of Contents](#)

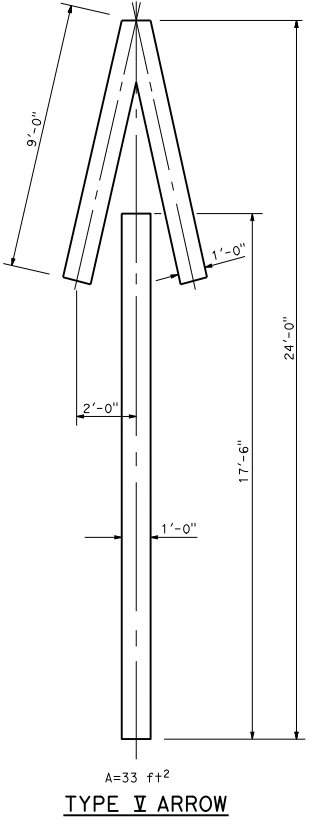
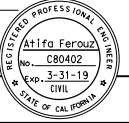
17



NOTE:
Minor variations in dimensions may be accepted by the Engineer.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Oliver Jensen
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE
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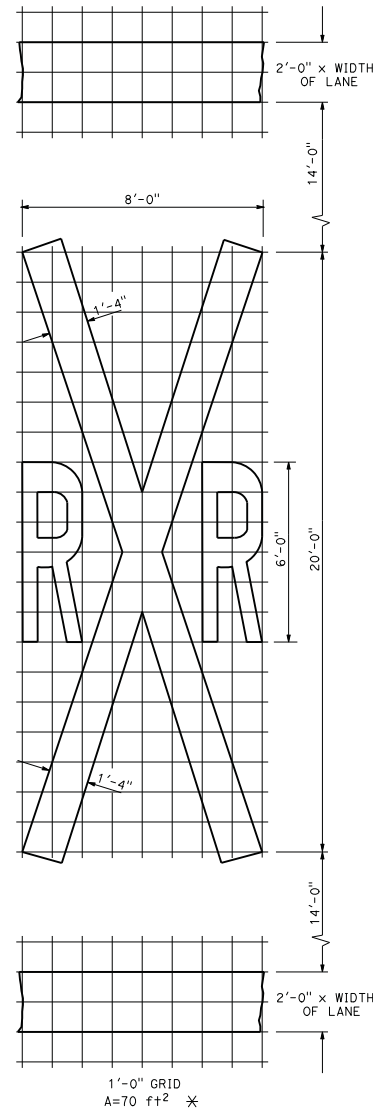


STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**
NO SCALE

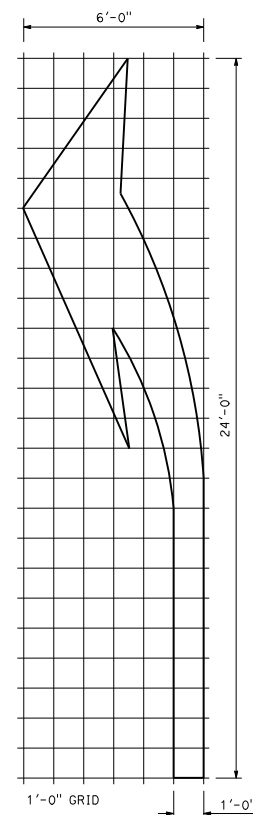
A24A

2018 STANDARD PLAN A24A

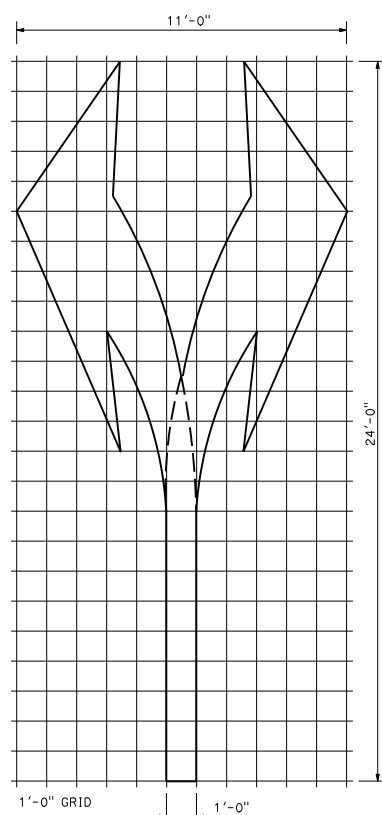
[Return to Table of Contents](#)



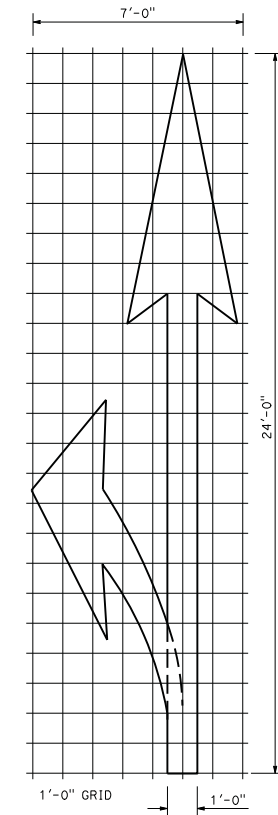
RAILROAD CROSSING SYMBOL
 * 70 ft² does not include the 2'-0" x variable width transverse lines.



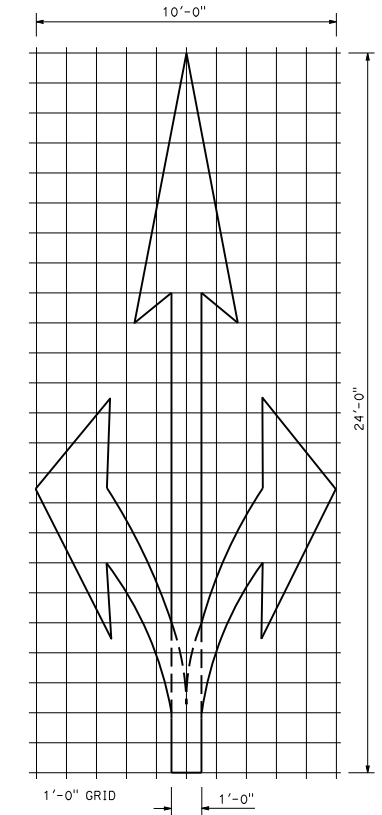
TYPE III (L) ARROW
 (For Type III (R) use mirror image)



TYPE III (B) ARROW



TYPE II (L) ARROW
 (For Type II (R) use mirror image)



TYPE II (B) ARROW

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 ARROWS AND SYMBOLS**
 NO SCALE

A24B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Oliver Tesoro
 REGISTERED CIVIL ENGINEER

May 31, 2018
 PLANS APPROVAL DATE

Alto Farcou
 C80402
 3-31-19
 CIVIL
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER

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2018 STANDARD PLAN A24B

BIKE LANE SYMBOL WITHOUT PERSON
6'-0" H
4" GRID 3'-4" W
A=7 ft²

BIKE LANE SYMBOL WITH PERSON
6'-0" H
4" GRID 3'-4" W
A=7 ft²

INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING
6" GRID
2'-8 1/2" W
3'-9" H
4'-5" T W
A (WHITE) = 9 ft²
A (BLUE) = 14 ft²

DIAMOND SYMBOL
12'-0" H
1'-0" GRID 3'-3" W
A=11 ft²

SHARED ROADWAY BICYCLE MARKING
6'-5" H
6" GRID 3'-3" W
A=11.5 ft²

BIKE LANE SYMBOL WITH PERSON
6'-5" H
6" GRID 3'-3" W
A=11.5 ft²

BICYCLE LOOP DETECTOR SYMBOL
1" GRID 10" W
A=2 ft²

NUMERALS
17'-0" H
4" W
4'-8" W
A=17.5 ft²

17'-0" H
4" W
4'-8" W
A=16.5 ft²

17'-0" H
4" W
4'-11" W
A=19.5 ft²

PAVEMENT MARKINGS SYMBOLS AND NUMERALS
NO SCALE

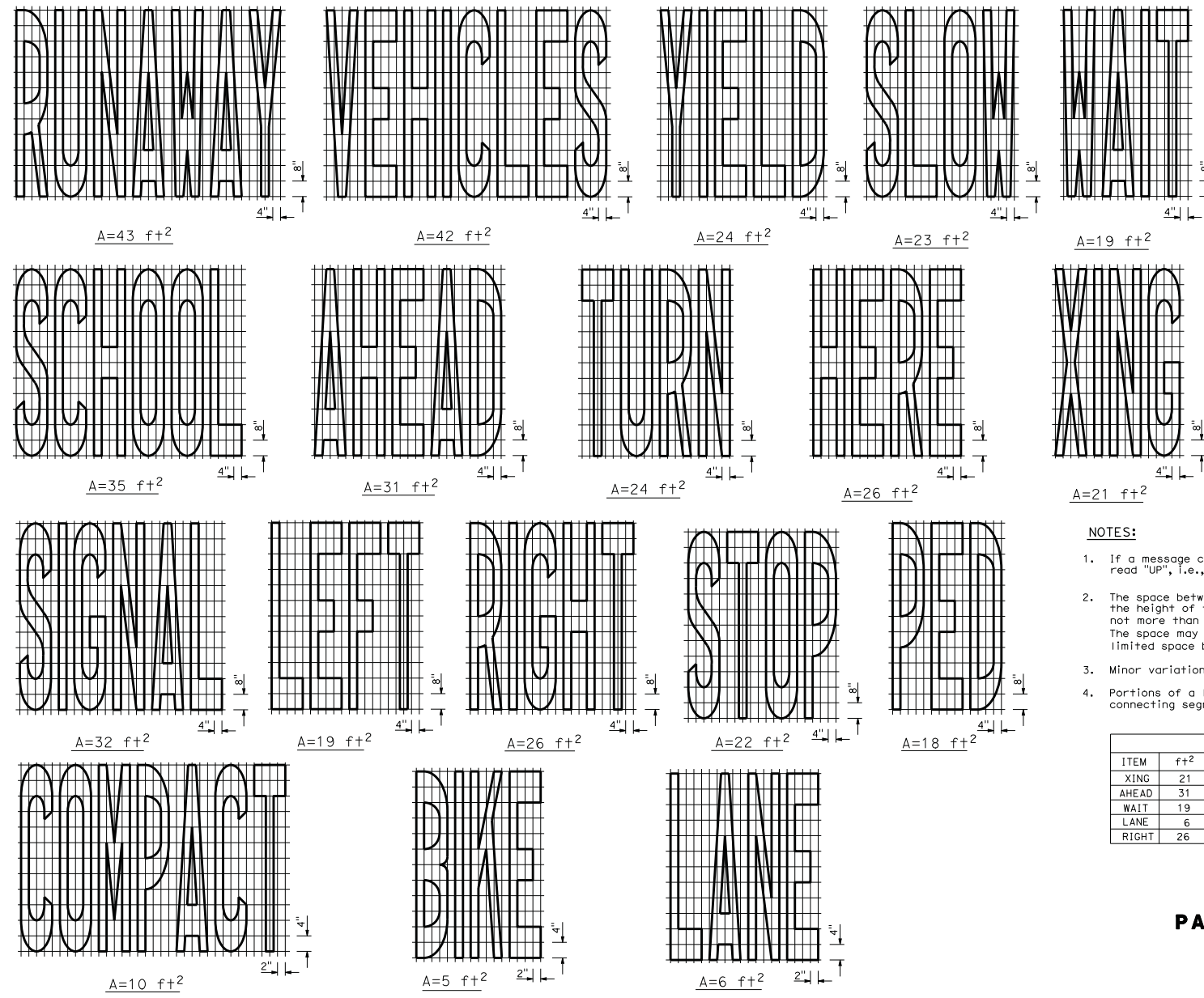
A24C

REGISTERED CIVIL ENGINEER
Oliver Jensen
May 31, 2018
PLANS APPROVAL DATE
Atifa Farooq
C80402
3-31-19
CIVIL
STATE OF CALIFORNIA

NOTE:
Minor variations in dimensions may be accepted by the Engineer.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

2018 STANDARD PLAN A24C



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Oliver Tesoro
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE

Atifa Ferouz
 C80402
 3-31-19
 CIVIL
 STATE OF CALIFORNIA

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NOTES:

1. If a message consists of more than one word, it must read "UP", i.e., the first word must be nearest the driver.
2. The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.

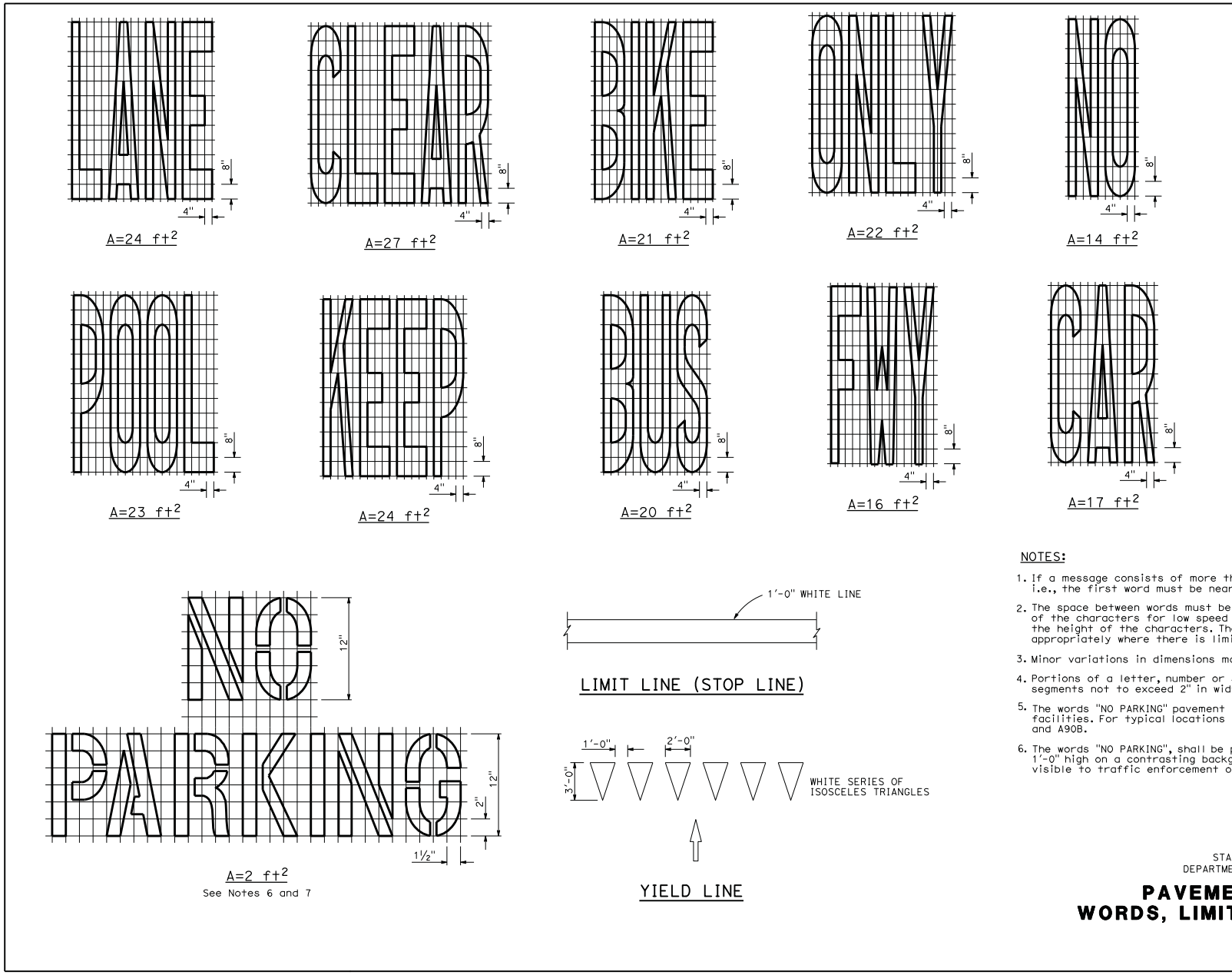
WORD MARKINGS					
ITEM	f+2	ITEM	f+2	ITEM	f+2
XING	21	YIELD	24	BIKE	5
AHEAD	31	SCHOOL	35	SLOW	23
WAIT	19	SIGNAL	32	STOP	22
LANE	6	TURN	24	LEFT	19
RIGHT	26	HERE	26	VEHICLES	42
				RUNAWAY	43
				COMPACT	10

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 WORDS**
 NO SCALE

A24D

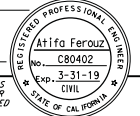
2018 STANDARD PLAN A24D

[Return to Table of Contents](#)



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Oliver Jensen
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



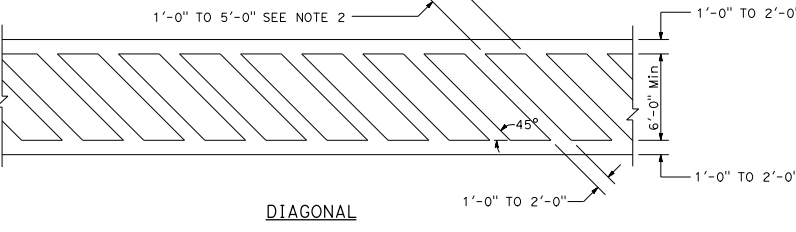
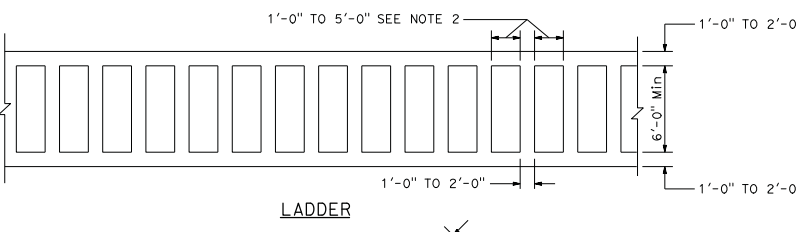
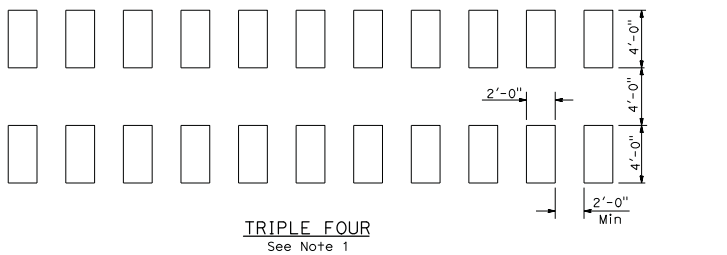
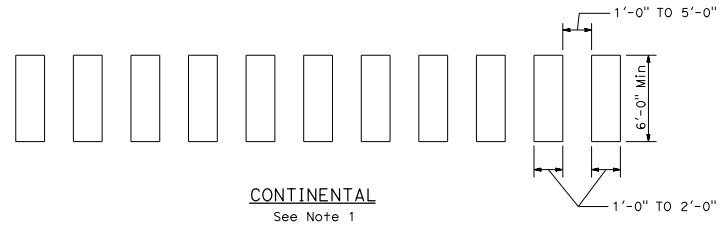
WORD MARKINGS			
ITEM	f+2	ITEM	f+2
LANE	24	NO	14
POOL	23	BIKE	21
CAR	17	BUS	20
CLEAR	27	ONLY	22
KEEP	24	FWY	16

- NOTES:**
- If a message consists of more than one word, it must read "UP", i.e., the first word must be nearest the driver.
 - The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
 - Minor variations in dimensions may be accepted by the Engineer.
 - Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.
 - The words "NO PARKING" pavement marking is to be used for parking facilities. For typical locations of markings, see Standard Plans A90A and A90B.
 - The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a contrasting background and located so that it is visible to traffic enforcement officials.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS
WORDS, LIMIT AND YIELD LINES
 NO SCALE

A24E

2018 STANDARD PLAN A24E



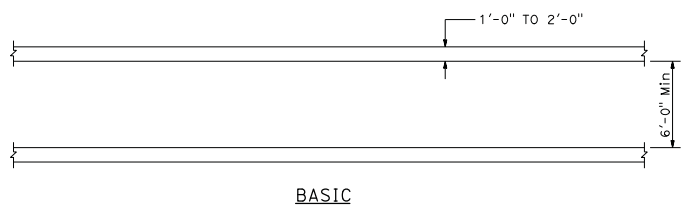
HIGHER VISIBILITY CROSSWALKS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Oliver Tesoro
 REGISTERED CIVIL ENGINEER
 May 31, 2018
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. Spaces between markings must be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except those near schools must be yellow.



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 CROSSWALKS**

NO SCALE

A24F

2018 STANDARD PLAN A24F

[Return to Table of Contents](#)

Heavy Equipment Operation

Best Management Practices for the Construction Industry



Doing The Job Right

Site Planning and Preventive Vehicle Maintenance

- Maintain all vehicles and heavy equipment. Inspect frequently for and repair leaks.
- Perform major maintenance, repair jobs, and vehicle and equipment washing off site where cleanup is easier.
- If you must drain and replace motor oil, radiator coolant, or other fluids on site, use drip pans or pour cloths to catch drips and spills. Collect all spent fluids, store in separate containers, and properly dispose as hazardous waste (recycle whenever possible).
- Do not use diesel oil to lubricate equipment parts, or clean equipment. Use only water for any onsite cleaning.
- Cover exposed fifth wheel hitches and other oily or greasy equipment during rain events.

Spill Cleanup

- Clean up spills immediately when they happen.
- Never hose down "dirty" pavement or impermeable surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags) whenever possible and properly dispose of absorbent materials.
- Sweep up spilled dry materials immediately. Never attempt to "wash them away" with water, or bury them.
- Use as little water as possible for dust control. Ensure water used doesn't leave silt or discharge to storm drains.
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- Report significant spills to the appropriate local spill response agencies immediately.

Storm water Pollution from Heavy Equipment on Construction Sites

Poorly maintained vehicles and heavy equipment that leak fuel, oil, antifreeze or other fluids on the construction site are common sources of storm drain pollution. Prevent spills and leaks by isolating equipment from runoff channels, and by watching for leaks and other maintenance problems. Remove construction equipment from the site as soon as possible.

Best Management Practices for the

- Vehicle and equipment operators
- Site supervisors
- General contractors
- Home builders
- Developers

Landscaping, Gardening, and Pool Maintenance

Best Management Practices for the Construction Industry



Doing The Right Job

General Business Practices

- Protect stockpiles and landscaping materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Store pesticides, fertilizers, and other chemicals indoors or in a shed or storage cabinet.
- Schedule grading and excavation projects during dry weather.
- Use temporary check dams or ditches to divert runoff away from storm drains.
- Protect storm drains with sandbags or other sediment controls.
- Re-vegetation is an excellent form of erosion control for any site.

Landscaping/Garden Maintenance

- Use pesticides sparingly, according to instructions on the label. Rinse empty containers, and use rinse water as product. Dispose of unused pesticides as hazardous waste.
- Collect lawn and garden clippings, pruning waste, and tree trimmings. Chip if necessary, and compost.
- In communities with curbside pick-up of yard waste, place clippings and pruning waste at the curb in approved bags or containers. Or, take to a landfill that composts yard waste. No curbside pickup of yard waste is available for commercial properties.

Storm Drain Pollution from Landscaping and Swimming Pool Maintenance

Many landscaping activities expose soils and increase the likelihood that earth and garden chemicals will run off into the storm drains during irrigation or when it rains. Swimming pool water containing chlorine and copper-based algicides should never be discharged to storm drains. These chemicals are toxic to aquatic life.

Best Management Practices for the

- Landscapers
- Gardeners
- Swimming pool/spa service and repair workers
- General contractors
- Home builders
- Developers
- Homeowners

Roadwork and Paving

Best Management Practices for the Construction Industry



Best Management Practices for the

- Road crews
- Driveways/sidewalk/parking lot construction crews
- Seal coat contractors
- Operators of grading equipment, paving machines, dump trucks, concrete mixers
- Construction inspectors
- General contractors
- Home builders
- Developers

Doing The Job Right

General Business Practices

- Develop and implement erosion/sediment control plans for roadway embankments.
- Schedule excavation and grading work during dry weather.
- Check for and repair leaking equipment.
- Perform major equipment repairs at designated areas in your maintenance yard, where cleanup is easier. Avoid performing equipment repairs at construction sites.
- When refueling or when vehicle/equipment maintenance must be done on site, designate a location away from storm drains and creeks.
- Do not use diesel oil to lubricate equipment parts or clean equipment.
- Recycle used oil, concrete, broken asphalt, etc. whenever possible, or dispose of properly.

During Construction

- Avoid paving and seal coating in wet weather, or when rain is forecast, to prevent fresh materials from contacting stormwater runoff.
- Cover and seal catch basins and manholes when applying seal coat, slurry seal, fog seal, or similar materials.
- Protect drainage ways by using earth dikes, sand bags, or other controls to divert or trap and filter runoff.

Storm Drain Pollution from Roadwork

Road paving, surfacing, and pavement removal happen right in the street, where there are numerous opportunities for asphalt, saw-cut slurry, or excavated material to leechy enter storm drains. Extra planning is required to store and dispose of materials properly and guard against pollution of storm drains, creeks, and the Bay.

- Never wash excess material from exposed aggregate concrete or similar treatments into a street or storm drain. Collect and recycle, or dispose to dirt area.
- Cover stockpiles (asphalt, sand, etc.) and other construction materials with plastic tarp. Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms.
- Park paving machines over drip pans or absorbent material (cloth, rags, etc.) to catch drips when not in use.
- Clean up all spills and leaks using "dry" methods (with absorbent materials and/or rags). Protect from rainfall and prevent runoff with temporary roofs or plastic sheets and berms. Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
- Avoid over-application by water trucks for dust control.

Asphalt/Concrete Removal

- Avoid creating excess dust when breaking asphalt or concrete.
- After breaking up old pavement, be sure to remove all chunks and pieces. Make sure broken pavement does not come in contact with rainfall or runoff.
- When making saw cuts, use as little water as possible. Shovel or vacuum saw-cut slurry and remove from the site. Cover or protect storm drain inlets during saw-cutting. Sweep up, and properly dispose of, all residues.
- Sweep, never hose down streets to clean up tracked dirt. Use a street sweeping or vacuum truck. Do not dump vacuumed liquor in storm drains.

Fresh Concrete and Mortar Application

Best Management Practices for the Construction Industry



Best Management Practices for the

- Masons and bricklayers
- Sidewalk construction crews
- Patio construction workers
- Construction inspectors
- General contractors
- Home builders
- Developers
- Concrete delivery/pumping workers

Doing The Job Right

General Business Practices

- Wash out concrete mixers only in designated wash-out areas in your yard, away from storm drains and waterways, where the water will flow into a temporary waste pit in a dirt area. Let water percolate through soil and dispose of settled, hardened concrete as garbage. Whenever possible, recycle washout by pumping back into mixers for reuse.
- Wash out chutes onto dirt areas at site that do not flow to streets or drains.
- Always store both dry and wet materials under cover, protected from rainfall and runoff and away from storm drains or waterways. Protect dry materials from wind.
- Secure bags of cement after they are open. Be sure to keep wind-blown cement powder away from streets, gutters, storm drains, rainfall, and runoff.
- Do not use diesel fuel as a lubricant on concrete forms, tools, or trailers.

Storm Drain Pollution from Fresh Concrete and Mortar Applications

Fresh concrete and cement-related mortars that wash into lakes, streams, or estuaries are toxic to fish and the aquatic environment. Disposing of these materials to the storm drains or creeks can block storm drains, cause serious problems, and is prohibited by law.

During Construction

- Don't mix up more fresh concrete or mortar than you will use in a two-hour period.
- Set up and operate small mixers on tarps or heavy plastic drop cloths.
- When cleaning up after driveway or sidewalk construction, wash fines onto dirt areas, not down the driveway or into the street or storm drain.
- Protect applications of fresh concrete and mortar from rainfall and runoff until the material has dried.
- Wash down exposed aggregate concrete only when the wash water can (1) flow onto a dirt area, (2) drain onto a bermed surface from which it can be pumped and disposed of properly, or (3) be vacuumed from a catchment created by blocking a storm drain inlet. If necessary, divert runoff with temporary berms. Make sure runoff does not reach gutters or storm drains.
- When breaking up pavement, be sure to pick up all the pieces and dispose of properly. Recycle large chunks of broken concrete at a landfill.
- Never bury waste material. Dispose of small amounts of excess dry concrete, grout, and mortar in the trash.
- Never dispose of washout into the street, storm drains, drainage ditches, or streams.

Preventing Pollution: It's Up to Us

In the Santa Clara Valley, storm drains transport water directly to local creeks and San Francisco Bay without treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or bay lands. Some common sources of this pollution include spilled oil, fuel, and fluids from vehicles and heavy equipment; construction debris; sediment created by erosion; landscaping runoff containing pesticides or weed killers; and materials such as used motor oil, antifreeze, and paint products that people pour or spill into a street or storm drain.

Thirteen valley municipalities have joined together with Santa Clara County and the Santa Clara Valley Water District to educate local residents and businesses and fight storm water pollution. TO comply with this program, contractors most comply with the practices described this drawing sheet.

Spill Response Agencies

DIAL 9-1-1
State Office of Emergency Services Warning Center (24 hours): 800-852-7550
Santa Clara County Environmental Health Services: (408) 299-6930

Local Pollution Control Agencies

County of Santa Clara Pollution Prevention Program: (408) 441-1195
County of Santa Clara Integrated Waste Management Program: (408) 441-1198
County of Santa Clara District Attorney Environmental Crimes Hotline: (408) 299-TIPS
Santa Clara County Recycling Hotline: 1-800-533-8414
Santa Clara Valley Water District: (408) 265-2600
Santa Clara Valley Water District Pollution Hotline: 1-888-510-5151
Regional Water Quality Control Board San Francisco Bay Region: (510) 622-2300
Palo Alto Regional Water Quality Control Plant: (650) 329-2598
Serving East Palo Alto Sanitary District, Los Altos, Los Altos Hills, Mountain View, Palo Alto, Stanford
City of Los Altos
Building Department: (650) 947-2752
Engineering Department: (650) 947-2780

General Construction And Site Supervision

Best Management Practices For Construction



Best Management Practices for the

- General contractors
- Site supervisors
- Inspectors
- Home builders
- Developers

Storm Drain Pollution from Construction Activities

Construction sites are common sources of storm water pollution. Materials and wastes that blow or wash into a storm drain, gutter, or street have a direct impact on local creeks and the Bay. As a contractor, or site supervisor, owner or operator of a site, you may be responsible for any environmental damage caused by your subcontractors or employees.

Doing The Job Right

General Principals

- Keep an orderly site and ensure good housekeeping practices are used.
- Maintain equipment properly.
- Cover materials when they are not in use.
- Keep materials away from streets, storm drains and drainage channels.
- Ensure dust control water doesn't leave site or discharge to storm drains.

Advance Planning To Prevent Pollution

- Schedule excavation and grading activities during dry weather periods. To reduce soil erosion, plant temporary vegetation or place other erosion controls before rain begins. Use the Erosion and Sediment Control Manual, available from the Regional Water Quality Control Board, as a reference.
- Control the amount of runoff crossing your site (especially during excavation) by using berms or temporary or permanent drainage ditches to divert water flow around the site. Reduce storm water runoff velocities by constructing temporary check dams or berms where appropriate.
- Train your employees and subcontractors. Make these best management practices available to everyone who works on the construction site. Inform subcontractors about the storm water requirements and their own responsibilities.

Good Housekeeping Practices

- Designate one area of the site for auto parking, vehicle refueling, and routine equipment maintenance. The designated area should be well away from streams or storm drain inlets, bermed if necessary. Make major repairs off site.
- Keep materials out of the rain - prevent runoff contamination at the source. Cover exposed piles of soil or construction materials with plastic sheeting or temporary roofs. Before it rains, sweep and remove materials from surfaces that drain to storm drains, creeks, or channels.
- Keep pollutants off exposed surfaces. Place trashcans and recycling receptacles around the site to minimize litter.

- Clean up leaks, drips and other spills immediately so they do not contaminate soil or groundwater or leave residues on paved surfaces. Use dry cleanup methods whenever possible. If you must use water, use just enough to keep the dust down.
- Cover and maintain dumpsters. Check frequently for leaks. Place dumpsters under roofs or cover with tarps or plastic sheeting secured around the outside of the dumpster. Never clean out a dumpster by hosing it down on the construction site.
- Set portable toilets away from storm drains. Make sure portable toilets are in good working order. Check frequently for leaks.

Materials/Waste Handling

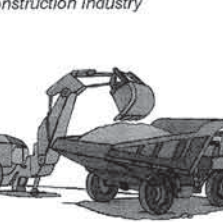
- Practice Source Reduction - minimize waste when you order materials. Order only the amount you need to finish the job.
- Use recyclable materials whenever possible. Arrange for pick-up of recyclable materials such as concrete, asphalt, scrap metal, solvents, degreasers, cleared vegetation, paper, rock, and vehicle maintenance materials such as used oil, antifreeze, batteries, and tires.
- Dispose of all wastes properly. Many construction materials and wastes, including solvents, water-based paints, vehicle fluids, broken asphalt and concrete, wood, and cleared vegetation can be recycled. Materials that cannot be recycled must be taken to an appropriate landfill or disposed of as hazardous waste. Never bury waste materials or leave them in the street or near a creek or stream bed.

Permits

- In addition to local building permits, you will need to obtain coverage under the vendor's General Construction Activity Storm water Permit if your construction site disturbs one acre or more. Obtain information from the Regional Water Quality Control Board.

Earth-Moving And Dewatering Activities

Best Management Practices for the Construction Industry



Best Management Practices for the

- Bulldozer, back hoe, and grading machine operators
- Dump truck drivers
- Site supervisors
- General contractors
- Home builders
- Developers

Doing The Job Right

General Business Practices

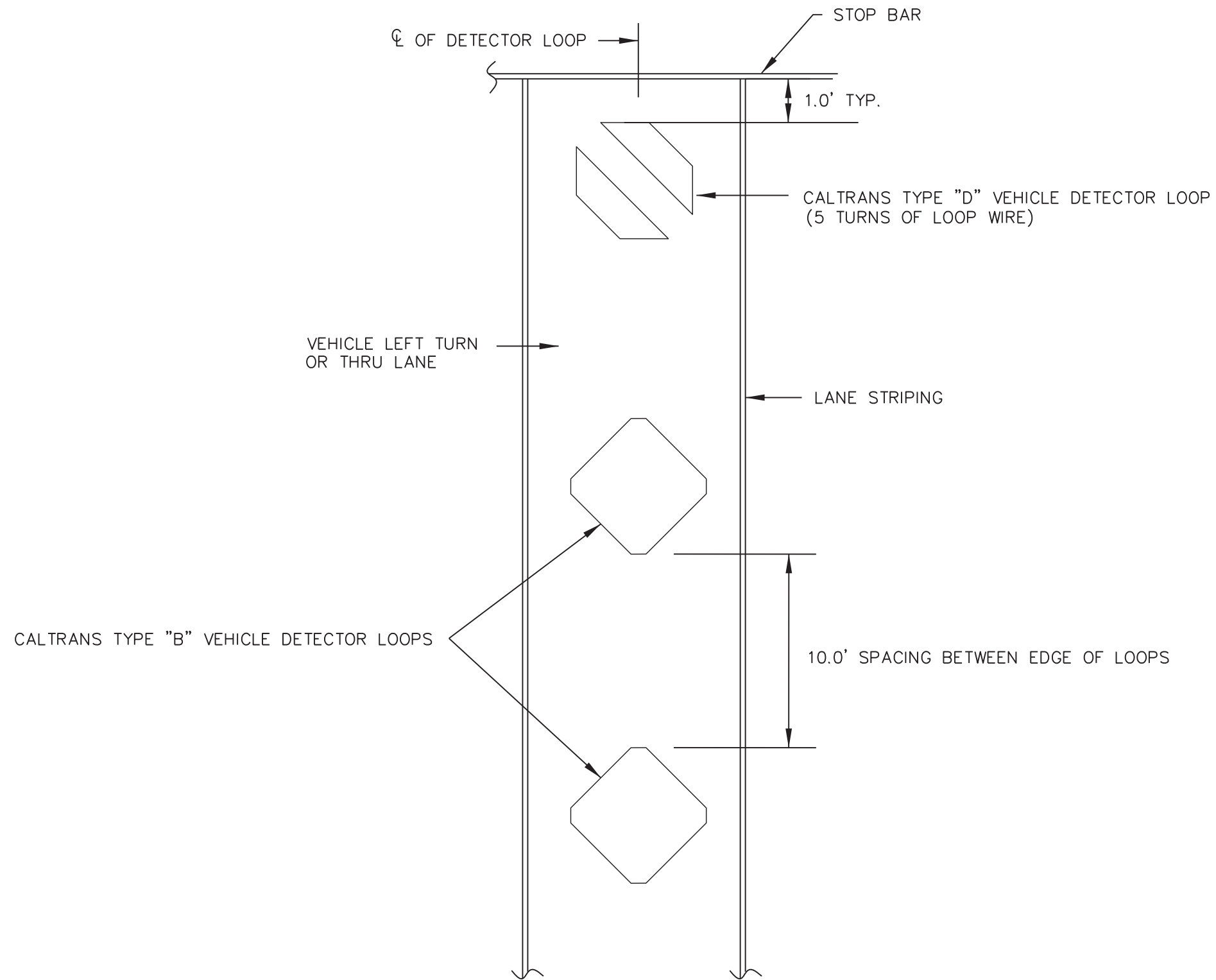
- Schedule excavation and grading work during dry weather.
- Perform major equipment repairs away from the job site.
- When refueling or vehicle/equipment maintenance must be done on site, designate a location away from storm drains.
- Do not use diesel oil to lubricate equipment parts, or clean equipment.

Practices During Construction


- Remove existing vegetation only when absolutely necessary. Plant temporary vegetation for erosion control on slopes or when construction is not immediately planned.
- Protect down slope drainage courses, streams, and storm drains with wattles, or temporary drainage swales. Use check dams or ditches to divert runoff around excavations. Refer to the Regional Water Quality Control Board's Erosion and Sediment Control Field Manual for proper erosion and sediment control measures.

Storm Drain Pollution from Earth-Moving Activities and Dewatering

Soil excavation and grading operations loosen large amounts of soil that can flow or blow into storm drains when handled improperly. Sediments in runoff can clog storm drains, smother aquatic life, and destroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or other erosion control devices. Sediments in runoff can clog storm drains, smother aquatic life, and destroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or other erosion control devices. Sediments in runoff can clog storm drains, smother aquatic life, and destroy habitats in creeks and the Bay. Effective erosion control practices reduce the amount of runoff crossing a site and slow the flow with check dams or other erosion control devices. 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(A) VEHICLE DETECTOR LOOP LAYOUT

					COUNTY OF SANTA CLARA ROADS AND AIRPORTS DEPARTMENT				VEHICLE DETECTOR LOOP DETAILS				DRAWING No.
		DESIGNED	DATE		SUBMITTED:	APPROVED:							SHT No.
		DRAWN	DATE							OF			
NO.	REVISIONS	BY	DATE	APP'D	CHECKED	DATE	ADVERTISMENT DATE:	CONTRACT No.	FILE No.	Scale			