
Project Study Report

FOR

MARYSVILLE BLVD VISION ZERO SAFETY PROJECT (PN: T15216300)

November 2025

Prepared By: James M. Pangburn, PE and Luke Fuson, PE



Project Study Report
Marysville Vision Zero Safety Project
PN: T15216300

SACOG ID: SAC25335
November 2025

Prepared by:

James Pangburn, PE
Consultant Project Manager
Registration # 71445, Exp. 12/31/2025

James Pangburn 11/6/25

Date



Lucas Fuson

Lucas Fuson, PE
Senior Engineer, Department of Public Works
Registration # 73946, Exp. 6/30/2027

Date

Approved By:

JESSE GOTHAN, PE
Supervising Engineer
Funding & Project Development, Engineering Services
Registration # 68314, Exp. 9/30/2027

Jesse Gothan

Date

Marysville Boulevard

Vision Zero Safety Project

T15216300

SACOG ID: SAC25335

PROJECT BACKGROUND

Marysville Boulevard is a four-lane north-south divided arterial serving the Del Paso Heights and Hagginwood area. Marysville Boulevard connects residential areas with commercial development north of Arcade Boulevard and provides connections to Grant High School and Hagginwood Park. Marysville Boulevard consists of a raised median, 4-foot bike lane and 10-foot and 12-foot travel lanes in the northbound and southbound directions. A 4-foot sidewalk, curb and gutter are provided on both sides of Marysville Boulevard. The posted speed limit for Marysville Boulevard in the proximity of the intersections under review is 35 MPH. A design speed of 40 miles per hour (mph) will be applied to Marysville Boulevard for both directions. The Average Daily Traffic (ADT) volume along the Marysville Boulevard corridor north of Arcade Boulevard was obtained from City Vision cameras on Tuesday April 15, 2025, through Thursday April 17, 2025, and found to be approximately 22,600 vehicles per day.

Marysville Boulevard has been identified as one of Sacramento's high injury network (HIN) roadways. As part of the City's Vision Zero Top 5 Corridor Study, the local community expressed concerns over several safety issues along the corridor, including:

- **Visibility:** Residents described visibility issues due to skewed intersections and obstructions.
- **Signals/Signage:** Residents suggested that more signals or flashing beacons could help make it safer for pedestrians to cross the street.
- **Crossings:** Difficulty crossing the street as a pedestrian because crosswalks are far apart, and drivers do not pay attention when pedestrians are present.
- **Speed:** It was shared that some drivers travel at high speed and drive aggressively along Marysville Boulevard.

The City will phase the project into two construction packages:

- Phase 1 – Immediate safety improvements - also known as a “Quick Build” project - with the Marysville Boulevard Vision Zero Safety – Phase 1 Quick Build Project (T15216301). **This phase was advertised for construction on October 29, 2025, and will be completed in Summer 2026.** Phase 1 will be constructed using local funding sources.
- Phase 2 – The “Ultimate Project” that comprehensively addresses improvements along the entire corridor, called with the Marysville Vision Zero Safety Project (“Ultimate Project”)(T15216300). Phase 2 is contingent upon identifying future funding for construction. Potential funding sources include the State Transportation Improvement Program (STIP) funding and other SB1 programs.

This Project Report covers the Phase 2 – “Ultimate Project”, hereinafter referred to as “the Project.”

Project Manager:

Luke Fuson, PE Senior Engineer
808.7610
lfuson@cityofsacramento.org

PROJECT OBJECTIVES	The purpose of the Marysville Boulevard Vision Zero Safety Project (Ultimate) is to improve road safety for all users along Marysville Boulevard, from North Avenue to Arcade Boulevard. This initiative is part of the City of Sacramento's broader Vision Zero strategy to eliminate traffic fatalities and serious injuries by 2027.
PROPOSED IMPROVEMENTS	Marysville Blvd Vision Zero Safety Project Improvements The project improvements are proposed between Marysville Boulevard / Arcade and Marysville Boulevard / North Avenue intersections. Proposed features include the following: • Road Diet: The number of travel lanes will be reduced from 4 lanes to 2 lanes. • Dedicated Bike Lanes: In conjunction with the road diet, a combination of Buffered Class II Bike Lanes and Protected Class IV Bike Lanes are proposed. • Raised Center Median: The existing raised medians will be widened to achieve a total median width of 12-feet. • Traffic Signal Modifications: Existing traffic signals will be modified to accommodate the new lane configurations, adjustments for placement of new ADA curb ramps, adding protected left turn lanes, and upgrading signal equipment to current standards. Traffic signal modifications will occur at the following intersections: ○ Marysville Blvd / Arcade Blvd ○ Marysville Blvd / Robles Blvd ○ Marysville Blvd / South Ave ○ Marysville Blvd / Roanoke Ave ○ Marysville Blvd / Grand Ave ○ Marysville Blvd / North Ave • New Traffic Signals: New traffic signals will be installed to better control the flow of traffic, vehicular speeds, and provide controlled pedestrian crossings. New traffic signals will be installed at the following locations: ○ Marysville Blvd / Rosalind Ave ○ Marysville Blvd / Harris Ave • New Pedestrian Signal: A new pedestrian signal will be installed just north of the Arcade Creek bridge, providing a direct connection to the Hagginwood Community Center. • Pavement Rehabilitation: The existing pavement will be rehabilitated using a combination of mill and fill, spot reconstruction (digouts), and full reconstruction in certain segments. • Driveway Modifications and Circulation: The existing driveway to the Hagginwood Community Center will be reconstructed to accommodate the new traffic signal proposed at Robles Blvd. The modification will include new ADA accessible curb ramps, center median island, and new high-visibility crosswalk markings. • Accessible Curb Ramp Reconstruction: Existing curb ramps that don't comply with current ADA standards will be reconstructed.

	• Bus stop relocations and improvements: The project will require relocation of two existing bus stops to improve the locations relative to the intersections. Relocations of the existing bus-stops are considered new installations and will be constructed per Sacramento Regional Transit (RT) standards.
RIGHT-OF-WAY	Right-of-way limits were delineated based on preliminary title reports and City records. There is imperfect right-of-way along various lengths of Marysville Blvd, where existing sidewalk improvements are positioned outside of the record right of way limits. The right of way will be "perfected" with this project, so the right of way limits are matching the existing and proposed improvements. In general, construction of new sidewalk or ADA curb ramps will match the existing back of sidewalk, so impacts to properties is not anticipated with this project.
COORDINATION	Regional Transit (RT). There are bus stops along the Marysville Boulevard corridor. The City met with RT staff which included James Drake, Sarah Poe, and Rowan Brandt on March 18, and July 25, 2025. The following was discussed: RT's Bus Stop Improvement Plan calls for improvements to several bus stops on the corridor, all of which involve R/W acquisition. RT does not generally prefer road diets on bus corridors unless the City is willing to construct an in-lane bus stop, which may not be critical for this project segment, as those are all low-ridership stops. However, the bus route that serves the Marysville Blvd corridor is a high-ridership route, overall. The City was referred to RT's Bus Stop Improvement Plan and design standards, considering Class IV bikeways near intersections and mid-block. RT did not request new bus stops as part of the project. The installation of bus shelters at Grand Ave was requested by Councilmember Dickinson as part of this project. The bus shelter installations are under evaluation and may be considered for a separate effort. At the July 25th meeting, RT requested bus shelters at locations along the corridor where feasible. Installation of bus shelter pads are still under evaluation, and may be delivered as a separate effort. Transportation – Traffic Engineering. The Transportation Division staff (Joseph Garcia-Long, JoJo Cordero) are part of the Marysville Blvd Vision Zero Safety Project Development Team. These Division comments are addressed as part the development of the 30% plans, estimates and Traffic Signal Design Concept Report. Recycling and Solid Waste. Along the project segment, there is intermittent single family and multi-family residential properties with curbside trash pick-up on Marysville Blvd. This is a consideration for Class IV bikeways. The Project Manager met with Adam Roitman and Rojon Kenny on April 21, 2025, to discuss the operational needs along the corridor. Adjustments to vertical delineator placement were made to accommodate truck circulation for curbside trash pickup at applicable locations. Traffic Operations Center. Project Manager to coordinate with Traffic Operations Center (TOC) as part of the traffic signal cabinet and video detection installations. Confirm TOC staff time budget and schedule for active construction period.

Marysville Blvd Vision Zero Safety Improvements

	Police. The Project Manager contacted the North Command Police Captain Neil Cybulski as the William J. Kinney Police Station is within the project limits, located at 3550 Marysville Blvd. The Police did not have any comments beyond support for the project and the enhanced crosswalks at South Ave. The Police Captain indicated that the crosswalk experiences high use by students walking to and from Grant Union High School every day. Sacramento Fire Department. Phase 1 plans were reviewed by Fire Planning/Administration and confirmed on August 7, 2025, there were no comments on the project. Follow up coordination will be required for review of the ultimate project.
COMMISSIONS	The Ultimate Marysville Boulevard Vision Zero Safety project was reviewed by the City's Disabilities Advisory Commission on September 3, 2025 and to the Active Transportation Commission on September 18, 2025.
PUBLIC OUTREACH	The project has been presented at four community events: • Del Paso Heights Community Association Meeting – April 5, 2025, William J. Kinney Police Station. • Hagginwood Community Association Meeting – April 7, 2025, Hagginwood Community Center • Del Paso Heights Community Association May Day III Event – May 10, 2025, William J. Kinney Police Station • N. Sacramento Business & Investment Tour – June 27, 2025, Council District 2 • Community Open House at Hagginwood Community Center – September 10, 2025
CONSTRUCTION MANAGEMENT	For budget establishment and programming purposes, construction engineering and construction management is estimated to cost \$1,200,000 and \$1,100,000 respectively.
ENVIRONMENTAL	The project is eligible for a CEQA Categorical Exemption for the following reasons: 15301 The City of Sacramento Community Development Department, Environmental Planning Division has reviewed the Marysville Boulevard Vision Zero Safety project and determined that it exempt from the provisions of CEQA under Class 1, Section Number 15301 which consists of the operation, repair, maintenance, or minor alteration of existing public or private structures or facilities involving negligible or no expansion of existing or former use. Environmental Planning Services staff prepared a CEQA Notice of Exemption and filed with the Sacramento County Clerk's Office on December 20, 2024. The project requires NEPA clearance due to the use of federal funds. Required technical studies have been reviewed by Caltrans Environmental and have been approved. Issuance of the NEPA CE is pending Inter-Agency Consultation with SACOG for air quality conformity.

PROJECT COSTS	ESTIMATED TOTAL PROJECT COSTS (in Millions) <table><tr><th>PHASE</th><th>PS&E</th><th>ROW</th><th>CON</th><th>Total</th></tr><tr><td>FY</td><td>25/26</td><td>26/27</td><td>27/28+</td><td></td></tr><tr><td>AMT</td><td>\$1,036</td><td>\$400</td><td>\$ 16,766</td><td>\$18,202</td></tr></table> Please see Attachment A Project Programming Request and Attachment B – Engineer's Estimate	PHASE	PS&E	ROW	CON	Total	FY	25/26	26/27	27/28+		AMT	\$1,036	\$400	\$ 16,766	\$18,202									
PHASE	PS&E	ROW	CON	Total																					
FY	25/26	26/27	27/28+																						
AMT	\$1,036	\$400	\$ 16,766	\$18,202																					
FUNDING & PROGRAMMING	The project construction is funded through a combination of the 2025 STIP and SB1 LPP Competitive and Formulaic programs, and other local funds. \$8,766,000 in STIP funds are planned to be programmed for construction in the 27/28+ fiscal year, and \$400,000 for ROW in the 26/27 FY. \$8,000,00 in SB1 LPP Competitive Program funds are planned to be programmed for construction in the 27/28+ fiscal year. \$518,000 in SB1 Formulaic Program Funds have been programmed for PS&E in the 25/26 fiscal year. \$518,000 in SB1 Local Funds have been programmed for PS&E in the 25/26 fiscal year.																								
PROGRAMMING SCHEDULE	The estimate delivery schedule is summarized below: <table><tr><td>Activity</td><td>Begin</td><td></td><td>End</td></tr><tr><td>E&P (PA&ED)</td><td>8/1/2023</td><td>to</td><td>1/15/2026</td></tr><tr><td>Design</td><td>5/1/2026</td><td>to</td><td>9/1/2027</td></tr><tr><td>Right of Way</td><td>5/1/2026</td><td>to</td><td>12/1/2027</td></tr><tr><td>Construction</td><td>3/1/2028</td><td>to</td><td>12/1/2029</td></tr><tr><td>Closeout</td><td>12/1/2029</td><td>To</td><td>11/1/2030</td></tr></table> Please see Attachment A Project Programming Request.	Activity	Begin		End	E&P (PA&ED)	8/1/2023	to	1/15/2026	Design	5/1/2026	to	9/1/2027	Right of Way	5/1/2026	to	12/1/2027	Construction	3/1/2028	to	12/1/2029	Closeout	12/1/2029	To	11/1/2030
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ATTACHMENTS

A – Project Programming Request

B – Engineer's Estimate

C - Project Plans

D – Environmental Documentation

ATTACHMENT A

PROJECT APPROVAL AND AUTHORIZATION FORM

Application Element #2. SACOG Four-County State Funding Program - Project Programming Request (PPR)*Derived from the State of California Department of Transportation PPR*

Project Title				
Marysville Boulevard Vision Zero Safety				
Location (Project Limits), Description (Scope of Work)				
In Sacramento, On Marysville Boulevard between Interstate 80 and Arcade Boulevard: Streetscape and safety improvements including a lane reduction, new signals, signal modifications, pavement repair, separated bikeways, and new enhance crosswalks.				
Lead Project Sponsor		Project Partner (if applicable)		County
City of Sacramento		N/A		Sacramento County
Project Manager Name	Phone	E-mail Address		
Luke Fuson	916-808-6601	ljfuson@cityofsacramento.org		
Component	Implementing Agency			
PA&ED	City of Sacramento			
PS&E	City of Sacramento			
Right of Way	City of Sacramento			
Construction	City of Sacramento			
Project Milestone			Completed	Planned
Project Study Report Approved			08/01/23	08/01/23
Begin Environmental (PA&ED) Phase			08/01/23	08/01/23
Circulate Draft Environmental Document		Document Type	CE/CE	12/20/24
Draft Project Report				01/15/26
End Environmental Phase (PA&ED Milestone) (Target for Completion of NEPA CE)				01/15/26
Begin Design (PS&E) Phase				06/25/26
End Design Phase (Ready to List for Advertisement Milestone)				09/01/27
Begin Right of Way Phase				05/01/26
End Right of Way Phase (Right of Way Certification Milestone)				12/01/27
Begin Construction Phase (Contract Award Milestone)				03/01/28
End Construction Phase (Construction Contract Acceptance Milestone)				12/01/29
Begin Closeout Phase				12/01/29
End Closeout Phase (Closeout Report)				11/01/30

SACOG has simplified the state Project Programming Request (PPR) form for the Four County State Funding Program.

SACOG Funding Program - Project Programming Request (PPR)

Derived from the State of California Department of Transportation PPR

Project Title:	Marysville Boulevard Vision Zero Safety							
Location (Project Limits), Description (Scope of Work)	Arcade Boulevard: Streetscape and safety improvements including a lane reduction, new signals, signal modifications,							
District	County	Lead Project Sponsor			SACOG ID	Project Partner		
03	Sacramento County	City of Sacramento			SAC25335	N/A		
Total Project Cost (\$1,000s)								
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E					1,036			1,036
R/W SUP (CT)						150		150
CON SUP (CT)								
R/W						250		250
CON							16,766	16,766
TOTAL					1,036	400	16,766	18,202
Fund No. 1: 2025 STIP Funding Round								
Requested Funding (\$1,000s)								
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E								
R/W SUP (CT)						150		150
CON SUP (CT)								
R/W						250		250
CON							8,766	8,766
TOTAL						400	8,766	9,166
Fund No. 2: SB1 LPP Competitive Program								
Other Funding (\$1,000s)					<i>Competed for through a separate funding program</i>			
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E								
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON							8,000	8,000
TOTAL							8,000	8,000
Fund No. 3: SB1 LPP Formulaic Program								
Other Funding (\$1,000s)					<i>Programmed</i>			
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E					518			518
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON								
TOTAL					518			518

Fund No. 4:	Local							
Other Funding (\$1,000s)					Committed			
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E					518			518
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON								
TOTAL					518			518
Fund No. 5:								
Other Funding (\$1,000s)					note funding status here			
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E								
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON								
TOTAL								
Fund No. 6:								
Other Funding (\$1,000s)					note funding status here			
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E								
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON								
TOTAL								
Fund No. 7:								
Other Funding (\$1,000s)					note funding status here			
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E								
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON								
TOTAL								
Fund No. 8:								
Other Funding (\$1,000s)					note funding status here			
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E								
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON								
TOTAL								

ATTACHMENT B

Engineers Estimate

SACOG Four-County State Funding Program - Engineer's Estimate (application element #3)							Fill out cells in blue
PROJECT NAME: Marysville Boulevard Vision Zero Safety Project							
SPONSOR: City of Sacramento							
Item No.	Item Description	Unit	Qty	Unit price	Amount (\$)	Participating costs	Non-part. costs
1	Mobilization	LS	1	\$632,097	\$632,097	\$632,097	\$0
2	Clearing and Grubbing	LS	1	\$36,000.00	\$36,000	\$36,000	\$0
3	Stormwater Pollution Prevention Plan	LS	1	\$30,000.00	\$30,000	\$30,000	\$0
4	Roadway Excavation	CY	2,986	\$300.00	\$895,800	\$895,800	\$0
5	Remove Tree	EA	14	\$2,400.00	\$33,600	\$33,600	\$0
6	Traffic Control System	LS	1	\$240,000.00	\$240,000	\$240,000	\$0
7	Hot Asphalt Mix (Type A)	TON	7,309	\$288.00	\$2,104,992	\$2,104,992	\$0
8	Class II Aggregate Base	CY	2,186	\$265.00	\$579,290	\$579,290	\$0
9	Cold Plane Asphalt Concrete Pavement	SY	30,697	\$18.00	\$552,546	\$552,546	\$0
10	Slurry Seal	SY	15,717	\$6.00	\$94,302	\$94,302	\$0
11	Thermoplastic Pavement Marking	SF	12,985	\$8.00	\$103,880	\$103,880	\$0
12	Thermoplastic Traffic Stripe - 6" White	LF	1,440	\$2.00	\$2,880	\$2,880	\$0
13	Thermoplastic Traffic Stripe - Detail 22	LF	706	\$2.40	\$1,694	\$1,694	\$0
14	Thermoplastic Traffic Stripe - Detail 26	LF	3,681	\$2.00	\$7,362	\$7,362	\$0
15	Thermoplastic Traffic Stripe - Detail 29	LF	911	\$3.00	\$2,733	\$2,733	\$0
16	Thermoplastic Traffic Stripe - Detail 32	LF	1,146	\$3.00	\$3,438	\$3,438	\$0
17	Thermoplastic Traffic Stripe - Detail 37B	LF	1,494	\$2.00	\$2,988	\$2,988	\$0
18	Thermoplastic Traffic Stripe - Detail 38A	LF	2,425	\$2.00	\$4,850	\$4,850	\$0
19	Thermoplastic Traffic Stripe - Detail 39	LF	19,785	\$2.00	\$39,570	\$39,570	\$0
20	Thermoplastic Traffic Stripe - Detail 39A	LF	1,815	\$2.00	\$3,630	\$3,630	\$0
21	Enhanced Bike Lane Marking	SF	15,616	\$10.00	\$156,160	\$156,160	\$0
22	K71 Delineator	EA	491	\$240.00	\$117,840	\$117,840	\$0
23	Type 2 Curb and Gutter	LF	1,250	\$60.00	\$75,000	\$75,000	\$0
24	Type 3 Curb	LF	342	\$50.00	\$17,100	\$17,100	\$0
25	Type 14 Curb	LF	3,920	\$48.00	\$188,160	\$188,160	\$0
26	Minor Concrete (Median)	CY	92	\$420.00	\$38,640	\$38,640	\$0
27	4" PCC Sidewalk	SF	3,150	\$12.00	\$37,800	\$37,800	\$0
28	Roadside Sign	EA	42	\$720.00	\$30,240	\$30,240	\$0

29	Relocate Roadside Sign	EA	11	\$360.00	\$3,960	\$3,960	\$0
30	Curb Ramp	EA	34	\$5,400.00	\$183,600	\$183,600	\$0
31	Remove Chain Link Fence	LF	50	\$24.00	\$1,200	\$1,200	\$0
32	Remove Existing Gate	LS	1	\$12,000.00	\$12,000	\$12,000	\$0
33	Install New Gate	LS	1	\$90,000.00	\$90,000	\$90,000	\$0
34	Chain Link Fence	LF	50	\$120.00	\$6,000	\$6,000	\$0
35	Type B Drop Intel	EA	6	\$7,200.00	\$43,200	\$43,200	\$0
36	Connect to Existing Storm Drain	EA	6	\$4,200.00	\$25,200	\$25,200	\$0
37	Adjust Manhole to Grade	EA	53	\$1,800.00	\$95,400	\$95,400	\$0
38	Traffic Signal Modification (Arcade Blvd/Marysville Blvd)	LS	1	\$350,000.00	\$350,000	\$350,000	\$0
39	Traffic Signal Installation (Hagginwood Park Pedestrian Signal)	LS	1	\$630,000.00	\$630,000	\$630,000	\$0
40	Traffic Signal Modification (Los Roble Blvd/Marysville Blvd)	LS	1	\$600,000.00	\$600,000	\$600,000	\$0
41	Traffic Signal Installation (Rosalind St/Marysville Blvd)	LS	1	\$910,000.00	\$910,000	\$910,000	\$0
42	Traffic Signal Modification (South Ave/Marysville Blvd)	LS	1	\$450,000.00	\$450,000	\$450,000	\$0
43	Traffic Signal Modification (Roanoke Ave/Marysville Blvd)	LS	1	\$875,000.00	\$875,000	\$875,000	\$0
44	Traffic Signal Modification (Grand Ave/Marysville Blvd)	LS	1	\$414,000.00	\$414,000	\$414,000	\$0
45	Traffic Signal Installation (Harris Ave/Marysville Blvd)	LS	1	\$960,000.00	\$960,000	\$960,000	\$0
46	Traffic Signal Modification (North Ave/Marysville Blvd)	LS	1	\$400,000.00	\$400,000	\$400,000	\$0
47	Interconnect	LS	1	\$300,000.00	\$300,000	\$300,000	\$0
	SUBTOTAL				\$12,382,152	\$12,382,152	\$0
					<i>Total</i>	<i>Participating</i>	<i>Non-part</i>
	Construction Contingency			20%	\$2,476,430	\$2,476,430	\$0
				Construction Engineering	\$1,200,000	\$1,200,000	\$0
				Construction Management/Contract Administration	\$1,100,000	\$1,100,000	\$0
				Total construction costs	\$17,158,583	\$17,158,583	\$0
	Please indicate current status of project:			PA&ED			
	<i>(e.g., Feasibility Study, PSR, Environmental, 30% Design, 60% Design, 90% Design, 100% Design)</i>						

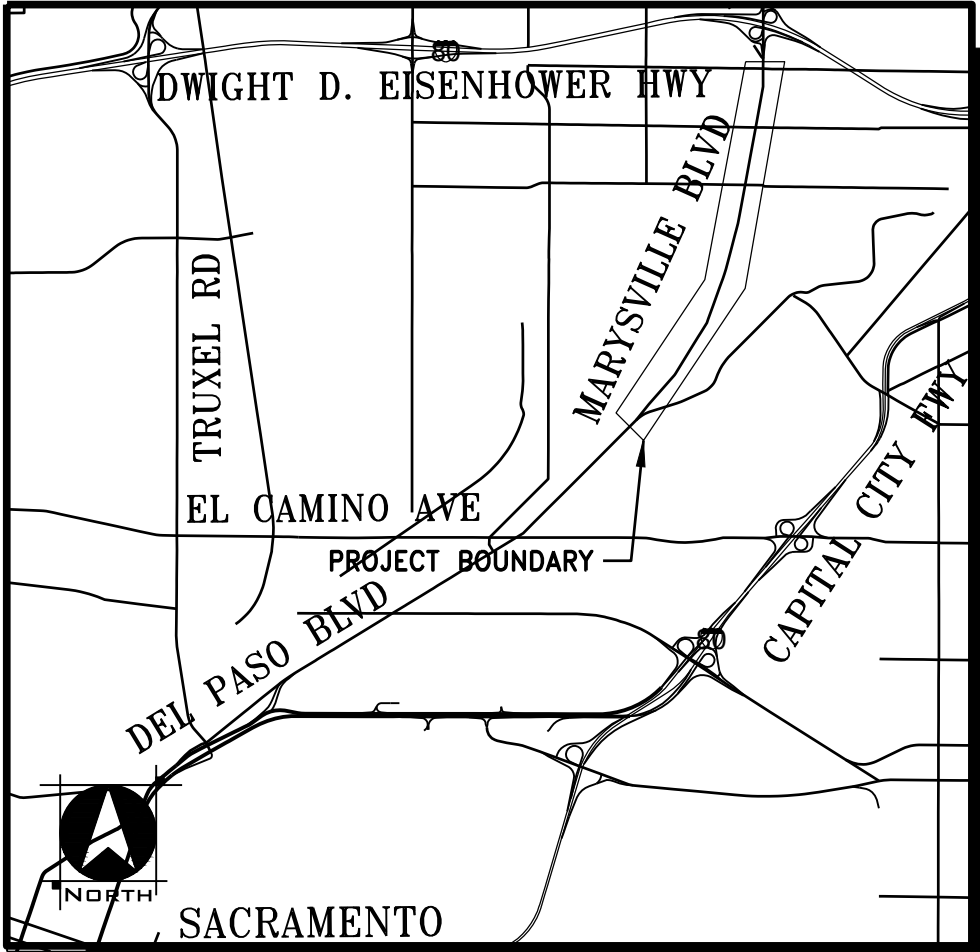
ATTACHMENT C

Project Plans

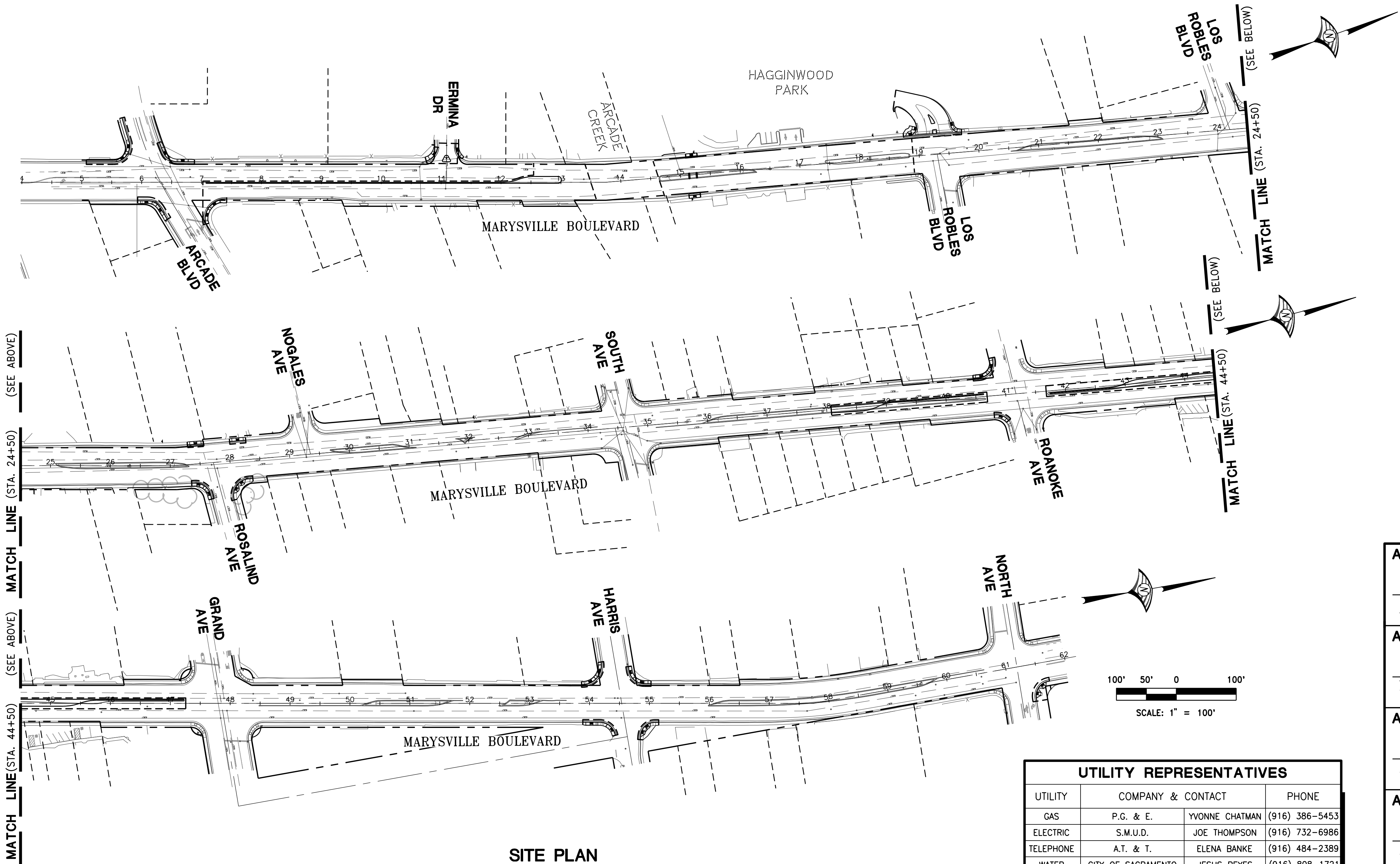
MARYSVILLE BOULEVARD VISION ZERO SAFETY PROJECT

CITY OF SACRAMENTO, CALIFORNIA

LOCATION MAP



30% DESIGN



SHEET INDEX

1	TS-1	TITLE SHEET
2	SD-1	STREET SECTIONS AND DETAILS
3	SD-2	STREET SECTIONS AND DETAILS
4	PP-1	MARYSVILLE BOULEVARD (STA 5+00 TO 14+50)
5	PP-2	MARYSVILLE BOULEVARD (STA 14+50 TO 24+50)
6	PP-3	MARYSVILLE BOULEVARD (STA 24+50 TO 34+50)
7	PP-4	MARYSVILLE BOULEVARD (STA 34+50 TO 44+50)
8	PP-5	MARYSVILLE BOULEVARD (STA 44+50 TO 54+50)
9	PP-6	MARYSVILLE BOULEVARD (STA 54+50 TO 62+50)
10	SIG-1	TRAFFIC SIGNAL MODIFICATION PLAN (ARCADE BLVD. AND MARYSVILLE BLVD.)
11	SIG-2	TRAFFIC SIGNAL INSTALLATION PLAN (HAGGINWOOD PARK)
12	SIG-3	TRAFFIC SIGNAL MODIFICATION PLAN (LOS ROBLES BLVD. AND MARYSVILLE BLVD.)
13	SIG-4	TRAFFIC SIGNAL INSTALLATION PLAN (ROSALIND ST. AND MARYSVILLE BLVD.)
14	SIG-5	TRAFFIC SIGNAL MODIFICATION PLAN (SOUTH AVE. AND MARYSVILLE BLVD.)
15	SIG-6	TRAFFIC SIGNAL MODIFICATION PLAN (ROANOKE AVE. AND MARYSVILLE BLVD.)
16	SIG-7	TRAFFIC SIGNAL MODIFICATION PLAN (GRAND AVE. AND MARYSVILLE BLVD.)
17	SIG-8	TRAFFIC SIGNAL INSTALLATION PLAN (HARRIS AVE. AND MARYSVILLE BLVD.)
18	SIG-9	TRAFFIC SIGNAL MODIFICATION PLAN (NORTH AVE. AND MARYSVILLE BLVD.)

APPROVED BY:

LUKE FUSON, R.C.E. 73946
ASSOCIATE ENGINEER
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:

WILLIAM SHUNK, R.C.E. 70382
SENIOR ENGINEER
DEPARTMENT OF PUBLIC WORKS

APPROVED BY:

KALEB HAILE, R.E.E. 15137
SENIOR ENGINEER, ENGINEERING SERVICES
DEPARTMENT OF PUBLIC WORKS (ELECTRICAL DESIGN)

APPROVED BY:

BRETT GRANT, R.C.E. 58964
SUPERVISING ENGINEER
DEPARTMENT OF UTILITIES

APPROVED BY:

DAVID EDROSOLAN, R.C.E. 50826
CITY TRAFFIC ENGINEER
DEPARTMENT OF PUBLIC WORKS (SIGNING AND STRIPING)



UTILITY REPRESENTATIVES			
UTILITY	COMPANY & CONTACT		PHONE
GAS	P.G. & E.	YVONNE CHATMAN	(916) 386-5453
ELECTRIC	S.M.U.D.	JOE THOMPSON	(916) 732-6986
TELEPHONE	A.T. & T.	ELENA BANKE	(916) 484-2389
WATER	CITY OF SACRAMENTO	JESUS REYES	(916) 808-1721
SEWER	CITY OF SACRAMENTO	JESUS REYES	(916) 808-1721
DRAINAGE	CITY OF SACRAMENTO	JESUS REYES	(916) 808-1721
CATV	COMCAST	MARK DUBY	(916) 830-6743
FIRE	CITY OF SACRAMENTO FIRE	GREG LEDESMA	(916) 808-5936
U.S.A.			1-800-227-2600

ENGINEER

WOOD RODGERS
3301 C STREET, SUITE 100B
SACRAMENTO, CA 95816
PHONE: (916) 341-7760

WDID CONTROL NO. FOR N.O.I.: XXXXX XXXXXX

REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK ELEV. 41.48 FT.(NAVOD88)

DESCRIPTION:
BENCHMARK NO. 278-A4D,
HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT
BASE, NE CORNER MARYSVILLE BLVD. AND
ARCADE BLVD.

SCALE:

H: AS NOTED

V: N/A

ON ORIGINAL SCALE
DRAWING ADJUST
SCALED DIMENSIONS
IF THIS DOES NOT
SCALE AT 1"

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

DRAWN BY: I. EVANS

DATE: JUNE 2024

DESIGNED BY: A. WONG

R.C.E. NO. 89091 DATE:

CHECKED BY: M. SALVESON

R.C.E. NO. 56351 DATE:

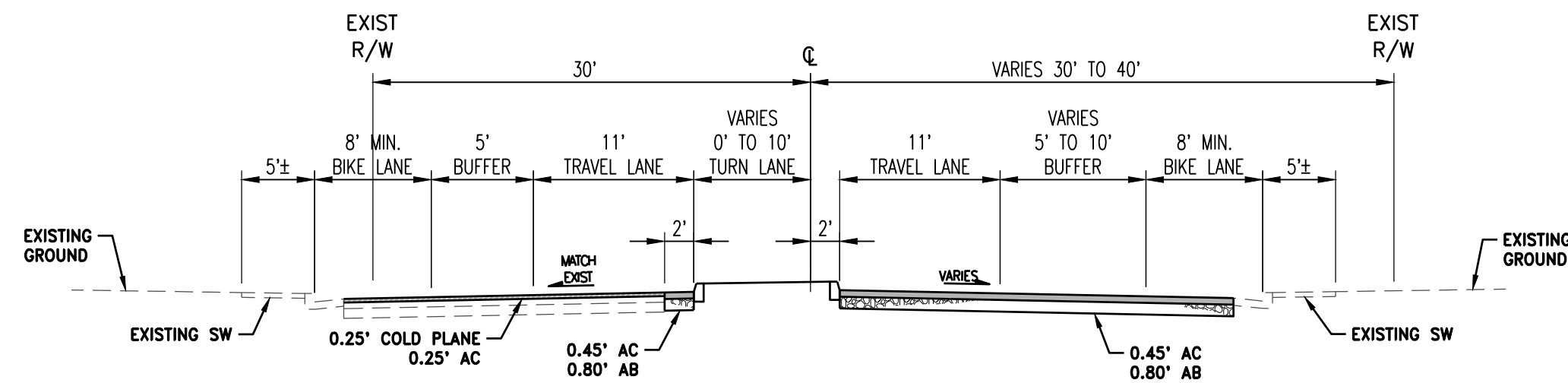
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 C St, Bldg. 100-B
Sacramento, CA 95816
Tel 916.341.7760
Fax 916.341.7767

IMPROVEMENT PLANS FOR
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT

TITLE SHEET

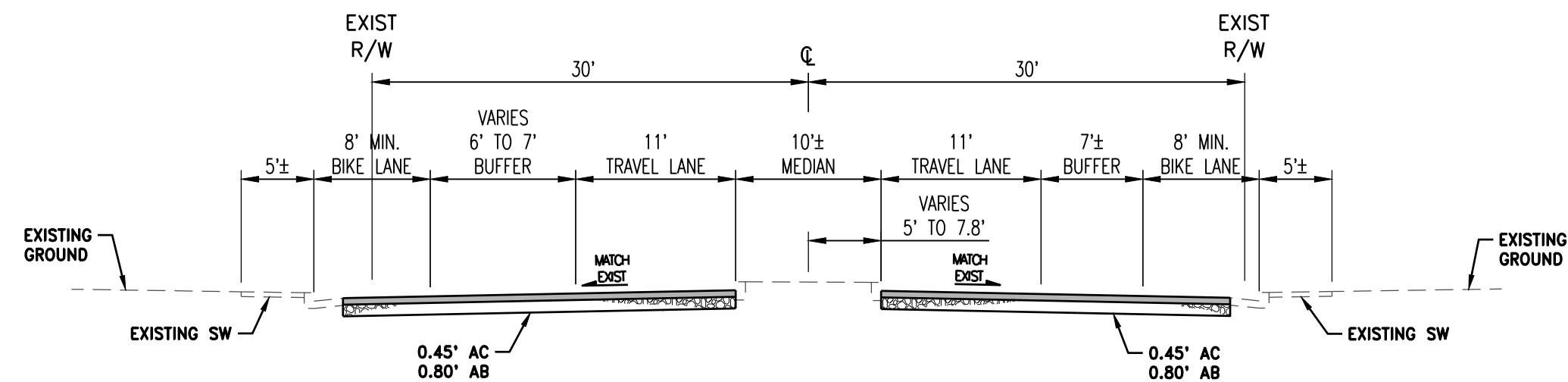
DWG. NO.
T8-1
SHEET
1
OF
18
PN: T15216300

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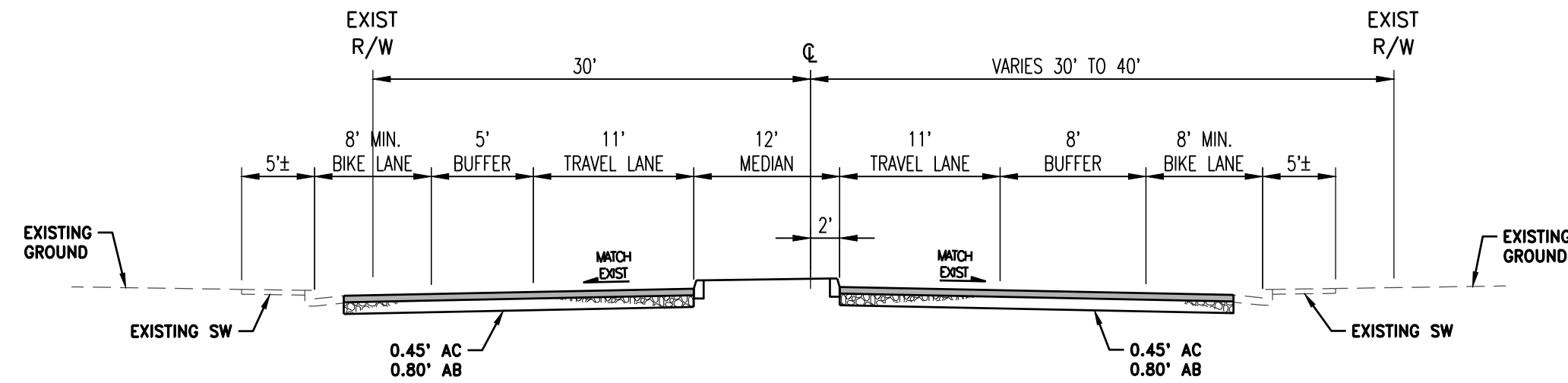
MARYSVILLE BOULEVARD

N.T.S.
STA 7+02.16 TO STA 12+54.39



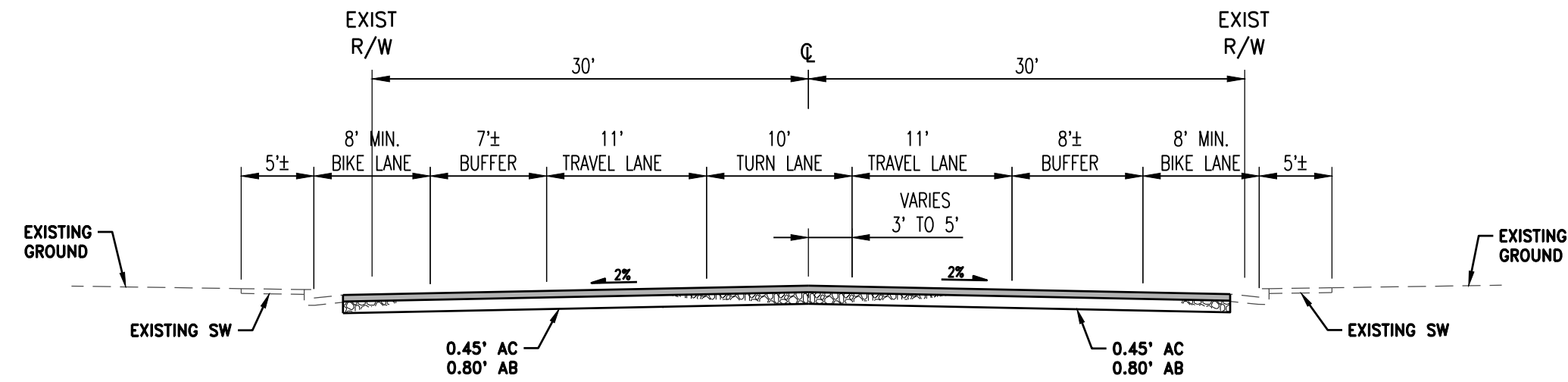
MARYSVILLE BOULEVARD

N.T.S.
STA 14+63.30 TO STA 16+27.58



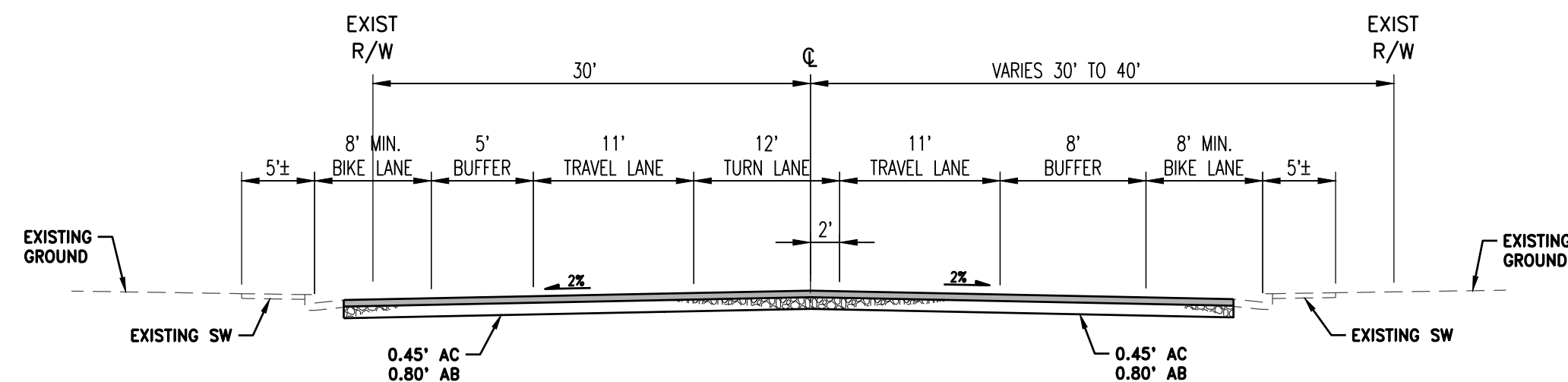
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N.T.S.
STA 12+54.39 TO STA 13+01.12



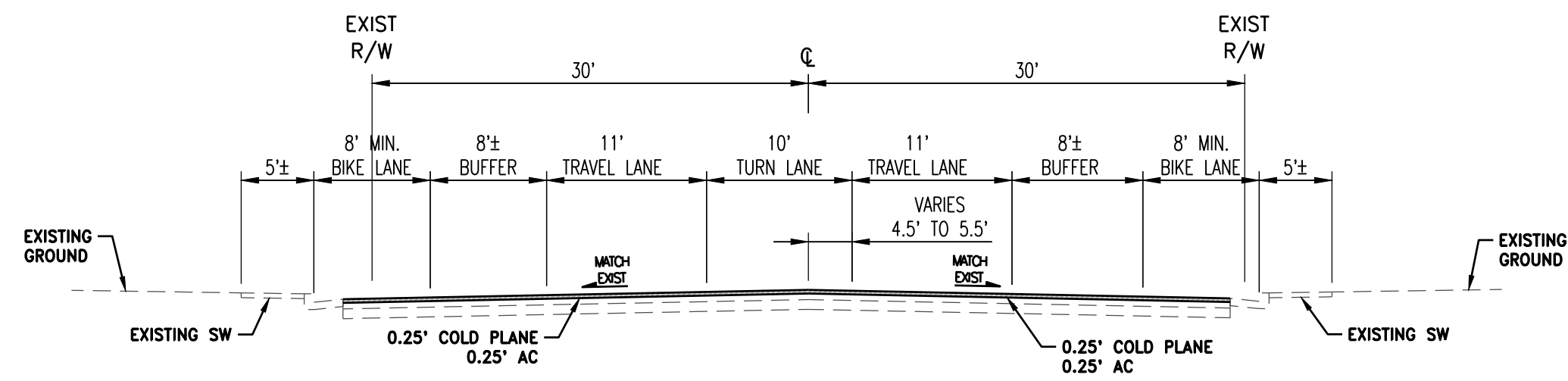
MARYSVILLE BOULEVARD

N.T.S.
STA 16+27.58 TO STA 18+89.93



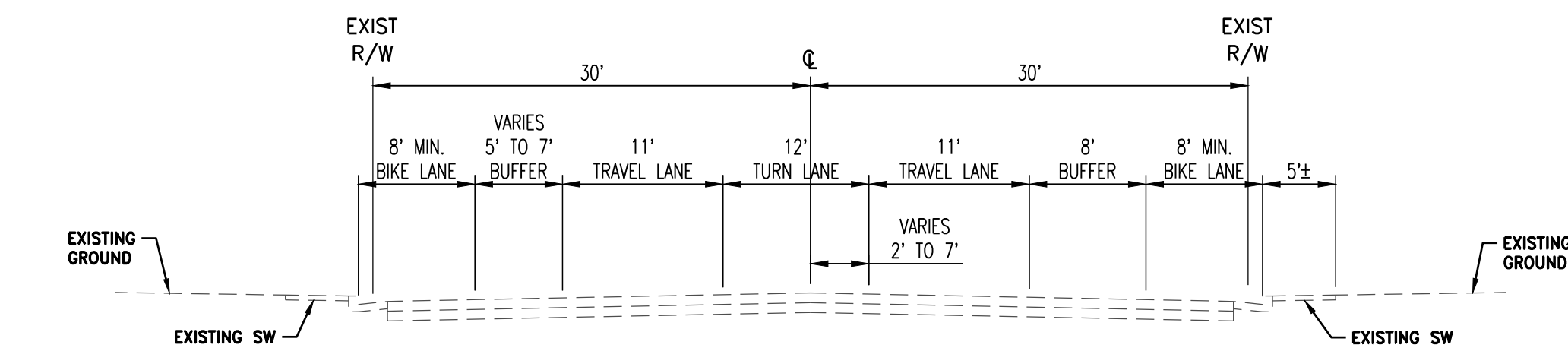
MARYSVILLE BOULEVARD

N.T.S.
STA 13+01.12 TO STA 13+49.84



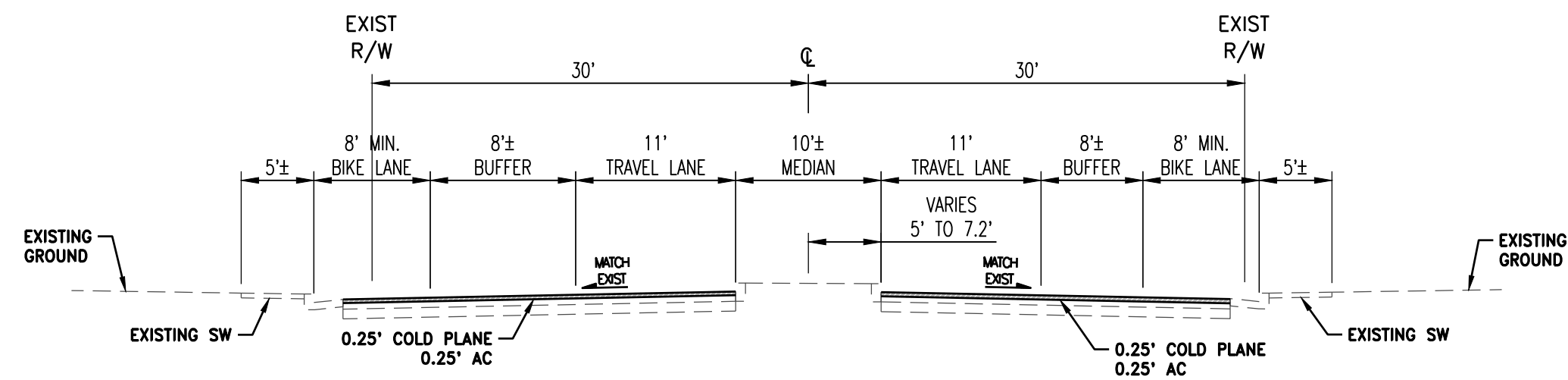
MARYSVILLE BOULEVARD

N.T.S.
STA 19+86.59 TO STA 20+53.22
STA 23+08.46 TO STA 25+07.74
STA 28+28.84 TO STA 29+67.63
STA 31+12.03 TO STA 31+78.44
STA 32+10.81 TO STA 32+76.52
STA 51+88.73 TO STA 52+48.52
STA 55+08.90 TO STA 55+98.20



MARYSVILLE BOULEVARD

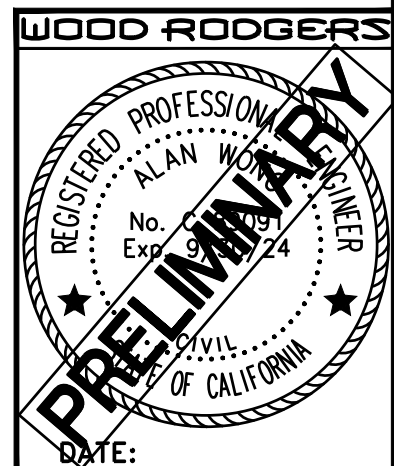
N.T.S.
STA 13+49.84 TO STA 14+63.30

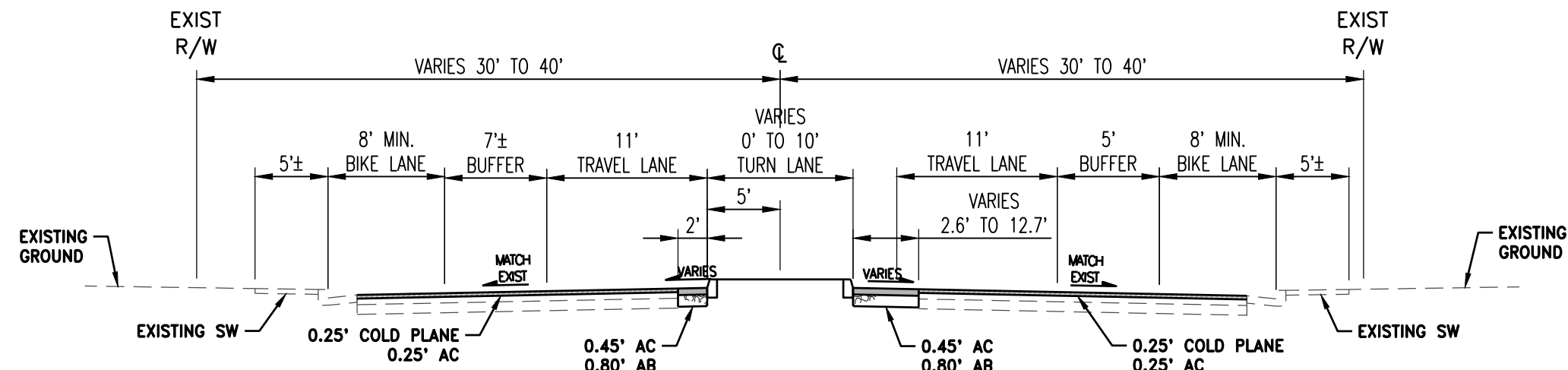


MARYSVILLE BOULEVARD

N.T.S.
STA 20+53.22 TO STA 23+08.46
STA 25+07.74 TO STA 27+31.67
STA 29+67.63 TO STA 31+12.03
STA 31+78.44 TO STA 32+10.81
STA 36+33.72 TO STA 38+07.57
STA 50+16.14 TO STA 51+88.73
STA 52+48.52 TO STA 53+61.56
STA 55+96.20 TO STA 60+64.22

REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAVD88)		1"		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS			IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT			DWG. NO. 8D-1		SHEET 2		OF 18	
NO.	DESCRIPTION	DATE	BY	DESCRIPTION:		SCALE:	ON ORIGINAL SCALE	DRAWN BY: J. EVANS	DESIGNED BY: A. WONG	CHECKED BY: M. SALVESON	BUILDING RELATIONSHIPS ONE PROJECT AT A TIME			STREET SECTIONS AND DETAILS			PN: T15216300		DATE: 6/5/2024 12:58 PM		Lucas McGeough	
				BENCHMARK NO. 278-A4D,		H: N/A	DRAWING ADJUST	DATE: JUNE 2024	R.C.E. NO. 89091	DATE:	3301 C St, Bldg. 100-B											
				HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT		V: N/A	SCALED DIMENSIONS				Sacramento, CA 95816											
				BASE, NE CORNER MARYSVILLE BLVD. AND			IF THIS DOES NOT				Tel 916.341.7760											
				ARCADE BLVD.			SCALE AT 1"				Fax 916.341.7767											

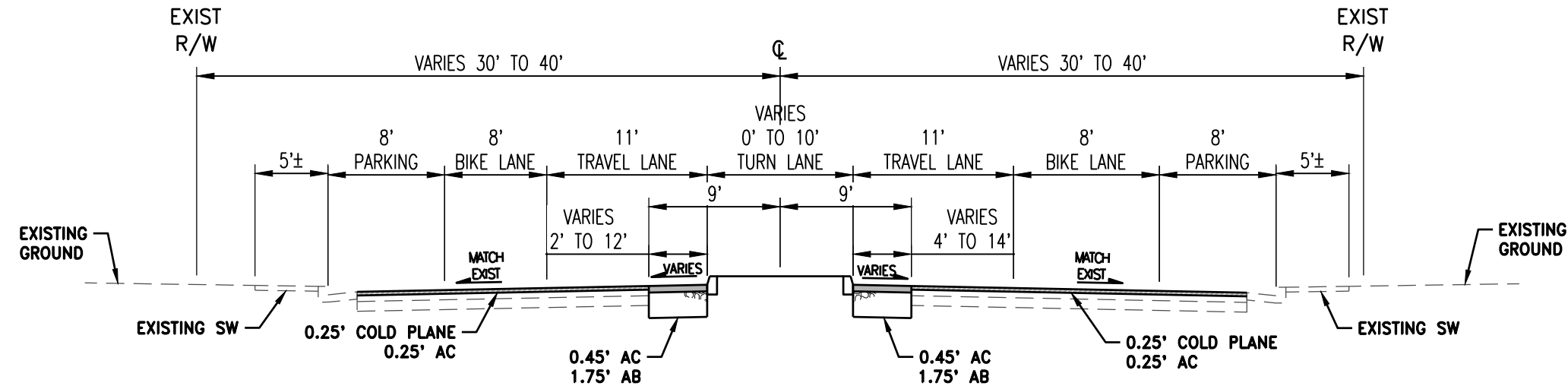




MARYSVILLE BOULEVARD

N.T.S.

STA 38+07.57 TO STA 40+68.81



MARYSVILLE BOULEVARD

N.T.S.

STA 41+67.73 TO STA 47+25.89



REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAVD88)	1"	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767	IMPROVEMENT PLANS FOR		DWG. NO.
NO.	DESCRIPTION	DATE	BY			DESCRIPTION:	SCALE:	DRAWN BY: L. EVANS		DESIGNED BY: A. WONG	CHECKED BY: M. SALVESON	
				DESCRIPTION: BENCHMARK NO. 278--A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.	H: N/A V: N/A	DATE: JUNE 2024	R.C.E. NO. 89091 DATE:	R.C.E. NO. 56351 DATE:	STREET SECTIONS AND DETAILS		SHEET	
											3	
											OF	
											18	

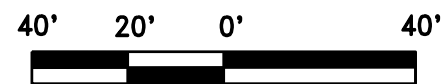
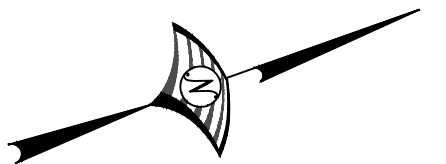
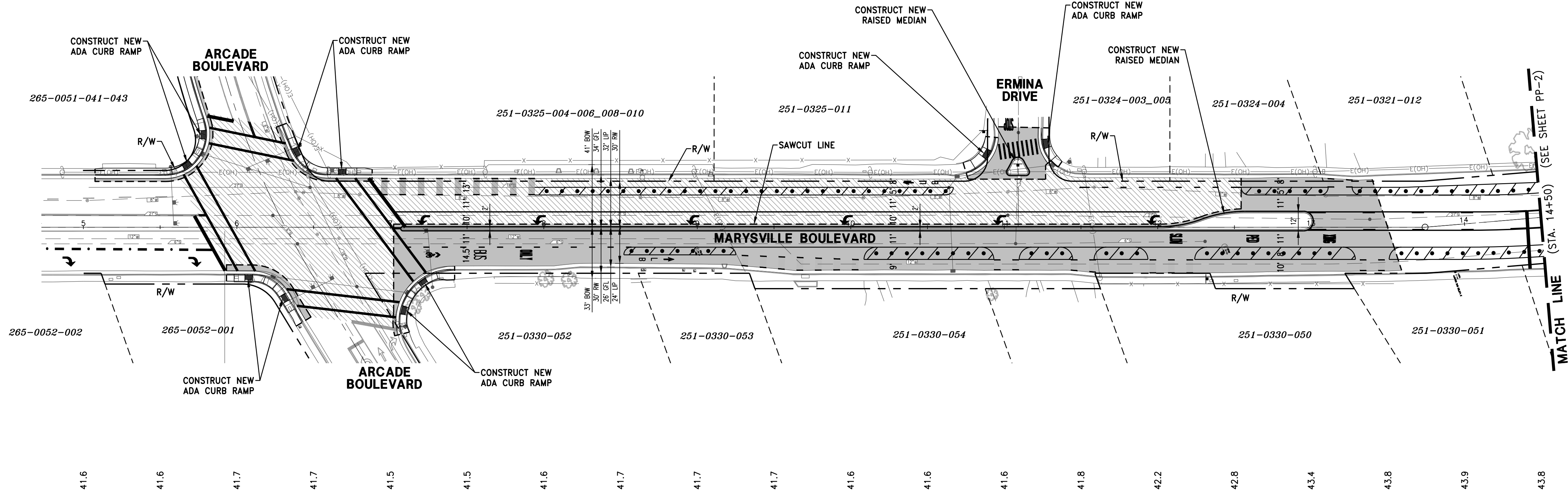
LEGEND:



NEW PAVEMENT AREA



COLD PLANE AND
AC OVERLAY AREA



SCALE: 1" = 40'

EXIST C GRADES
PROP C GRADES



EXISTING C/L GRADE



REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK ELEV. 41.48 FT.(NAV888)
DESCRIPTION:
BENCHMARK NO. 278-A4D,
HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT
BASE, NE CORNER MARYSVILLE BLVD. AND
ARCADE BLVD.

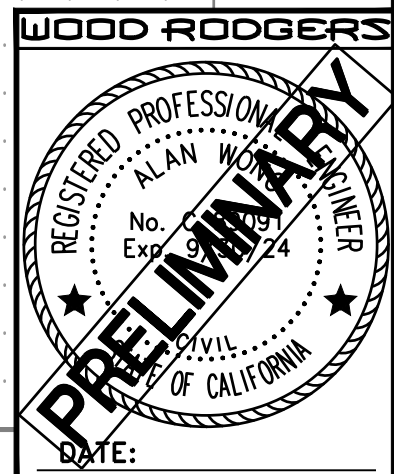
SCALE:
H: 1"=40'
V: 1"=4'

ON ORIGINAL SCALE
DRAWING ADJUST
SCALED DIMENSIONS
IF THIS DOES NOT
SCALE AT 1"

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS
DRAWN BY: J. EVANS
DATE: JUNE 2024
DESIGNED BY: A. WONG
R.C.E. NO. 89091 DATE:
CHECKED BY: M. SALVESON
R.C.E. NO. 56351 DATE:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 C St, Bldg. 100-B
Sacramento, CA 95816
Tel 916.341.7760
Fax 916.341.7767

IMPROVEMENT PLANS FOR
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT
MARYSVILLE BLVD (STA 5+00 TO 14+50)

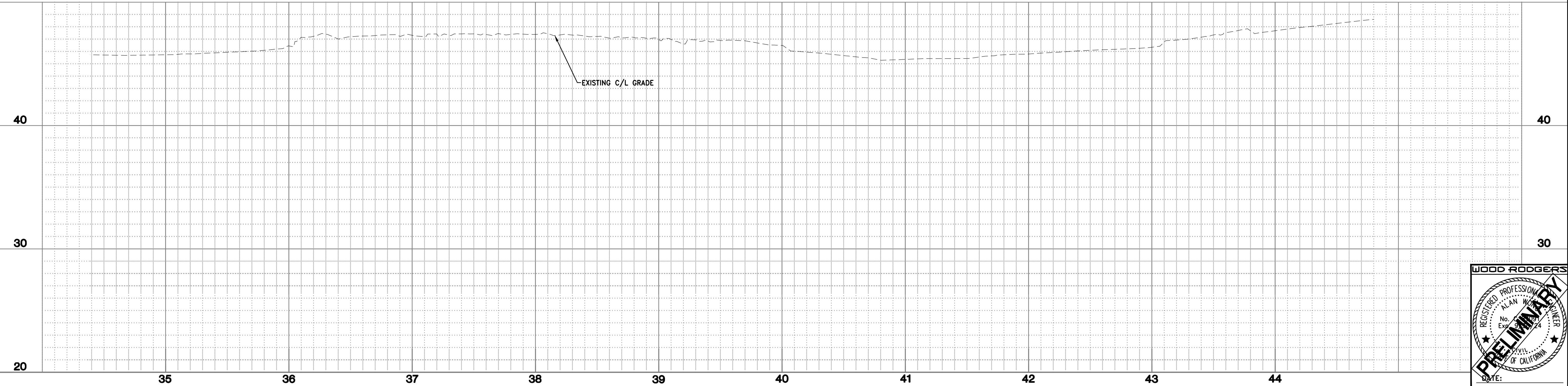
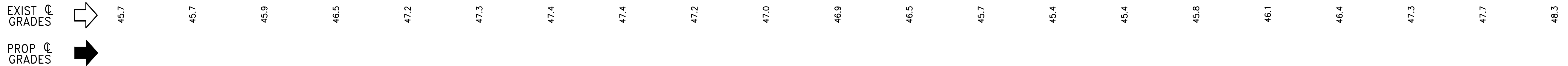
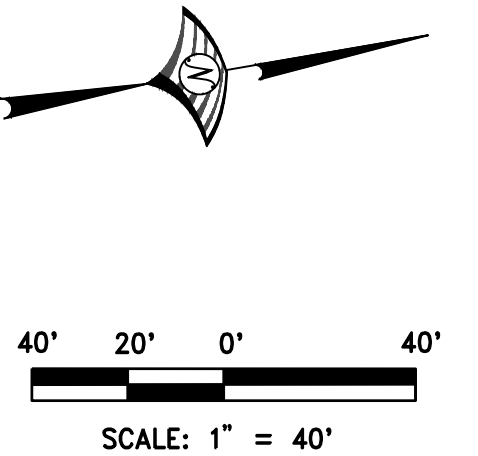
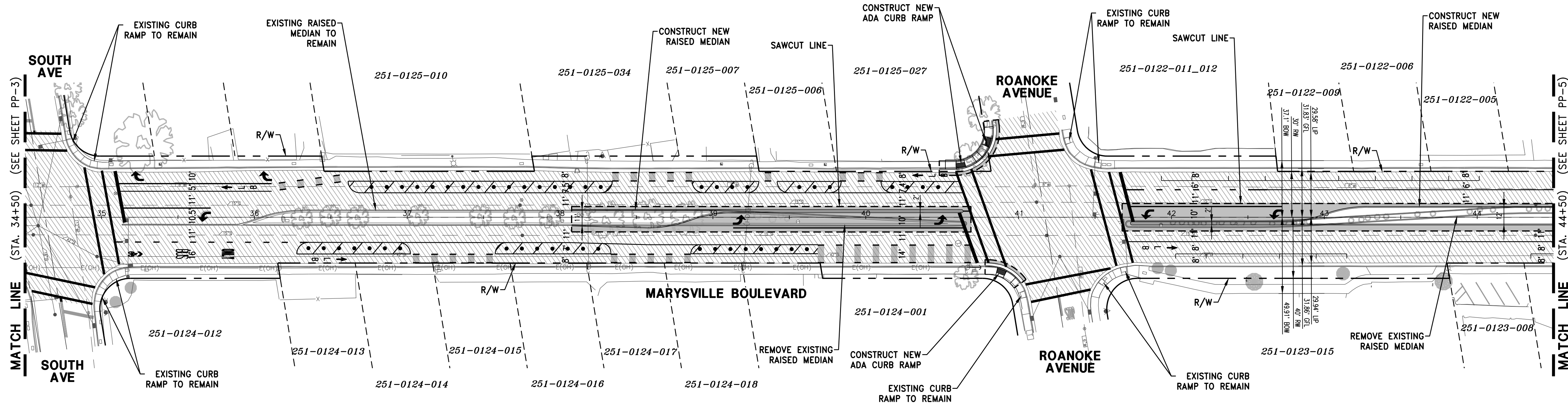
DWG. NO. PP-1
SHEET 4
OF 18
PN: T15216300



REVISIONS NO. DESCRIPTION DATE BY				BENCH MARK ELEV. <u>41.48 FT.(NAVD88)</u> DESCRIPTION: BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.		SCALE: H: 1"=40' V: 1"=4'				CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				 WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767		IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT MARYSVILLE BLVD (STA 24+50 TO 34+50)				DWG. NO. PP-3 SHEET OF 6 18		PN: T15216300	
						ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"				DRAWN BY: <u>J. EVANS</u> DATE: <u>JUNE 2024</u>				DESIGNED BY: <u>A. WONG</u> R.C.E. NO. <u>89091</u> DATE: _____		CHECKED BY: <u>M. SALVESON</u> R.C.E. NO. <u>56351</u> DATE: _____							

LEGEND:

- NEW PAVEMENT AREA
- COLD PLANE AND AC OVERLAY AREA



REVISIONS				BENCH MARK ELEV. <u>41.48 FT.(NAVD88)</u>		1"		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			 BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767		IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		DWG. NO. PP-4 SHEET 7 OF 18	
NO.	DESCRIPTION	DATE	BY	DESCRIPTION:		SCALE:		DRAWN BY: <u>L. EVANS</u>			DESIGNED BY: <u>A. WONG</u>		CHECKED BY: <u>M. SALVESON</u>		DATE: <u>JUNE 2024</u>	
				BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.		ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"		H: <u>1"=40'</u>			R.C.E. NO. <u>89091</u> DATE: _____			R.C.E. NO. <u>56351</u> DATE: _____		
						V: <u>1"=4'</u>										

\\sac\15064048-Marysville Blvd\Civil\Draw\007-PP04-WVZ.dwg 6/2/2024 12:57 PM Lucas McLaughlin

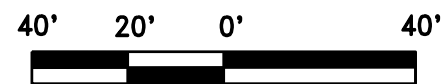
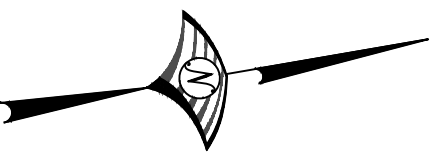
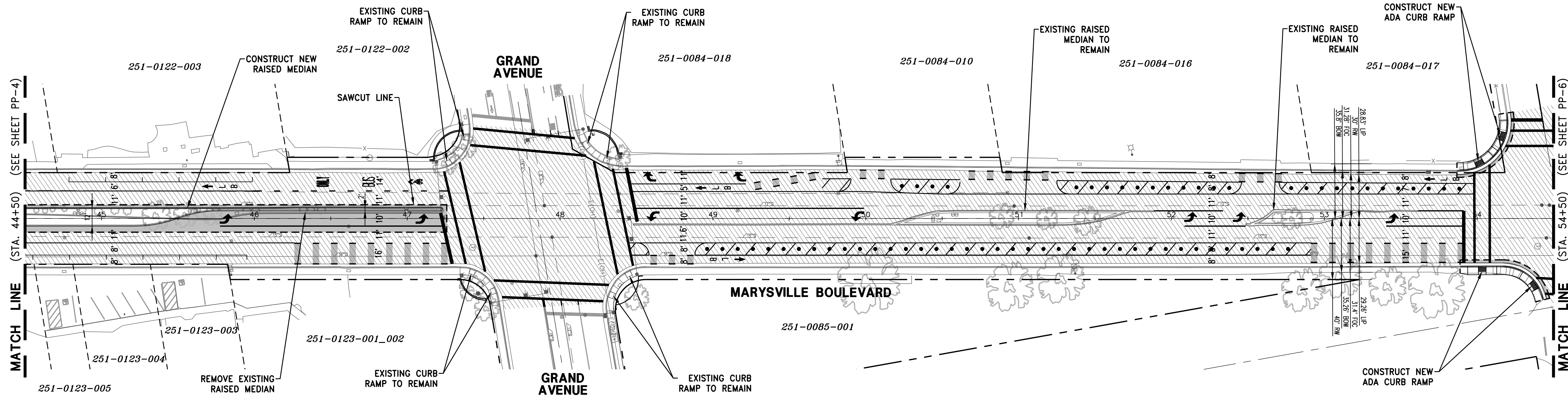
LEGEND:



NEW PAVEMENT AREA



COLD PLANE AND
AC OVERLAY AREA



SCALE: 1" = 40'

EXIST C GRADES



48.3

48.8

49.7

49.4

49.6

49.7

50.1

50.4

50.7

50.8

51.1

51.2

52.1

52.1

52.0

51.2

51.0

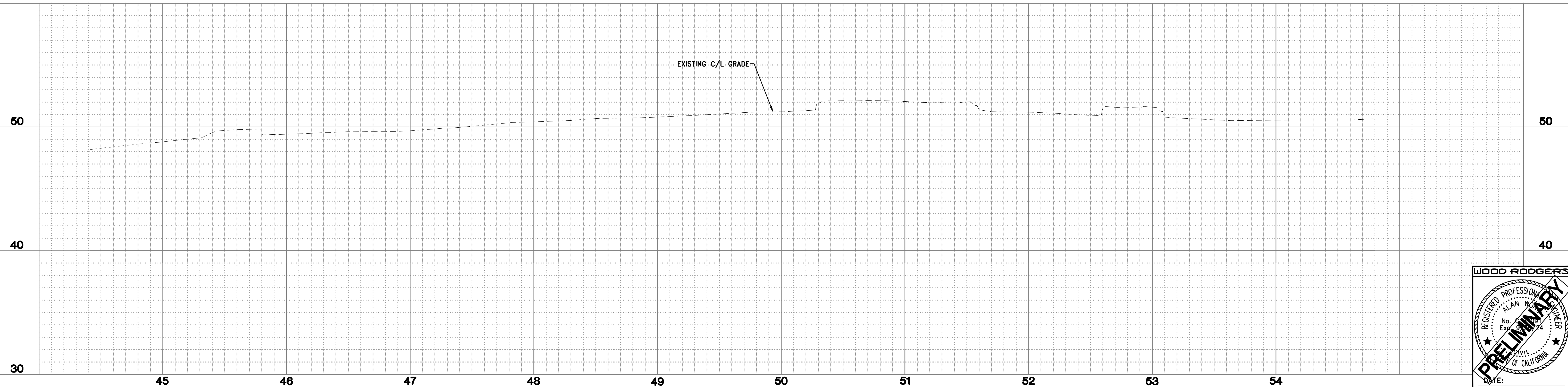
51.6

50.6

50.6

50.6

PROP C GRADES



REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK ELEV. 41.48 FT.(NAV888)

DESCRIPTION:
BENCHMARK NO. 278-A4D,
HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT
BASE, NE CORNER MARYSVILLE BLVD. AND
ARCADE BLVD.

SCALE:
H: 1"=40'
V: 1"=4'

ON ORIGINAL SCALE
DRAWING ADJUST
SCALED DIMENSIONS
IF THIS DOES NOT
SCALE AT 1"

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

DRAWN BY: J. EVANS
DATE: JUNE 2024

DESIGNED BY: A. WONG
R.C.E. NO. 89091 DATE:

CHECKED BY: M. SALVESON
R.C.E. NO. 56351 DATE:

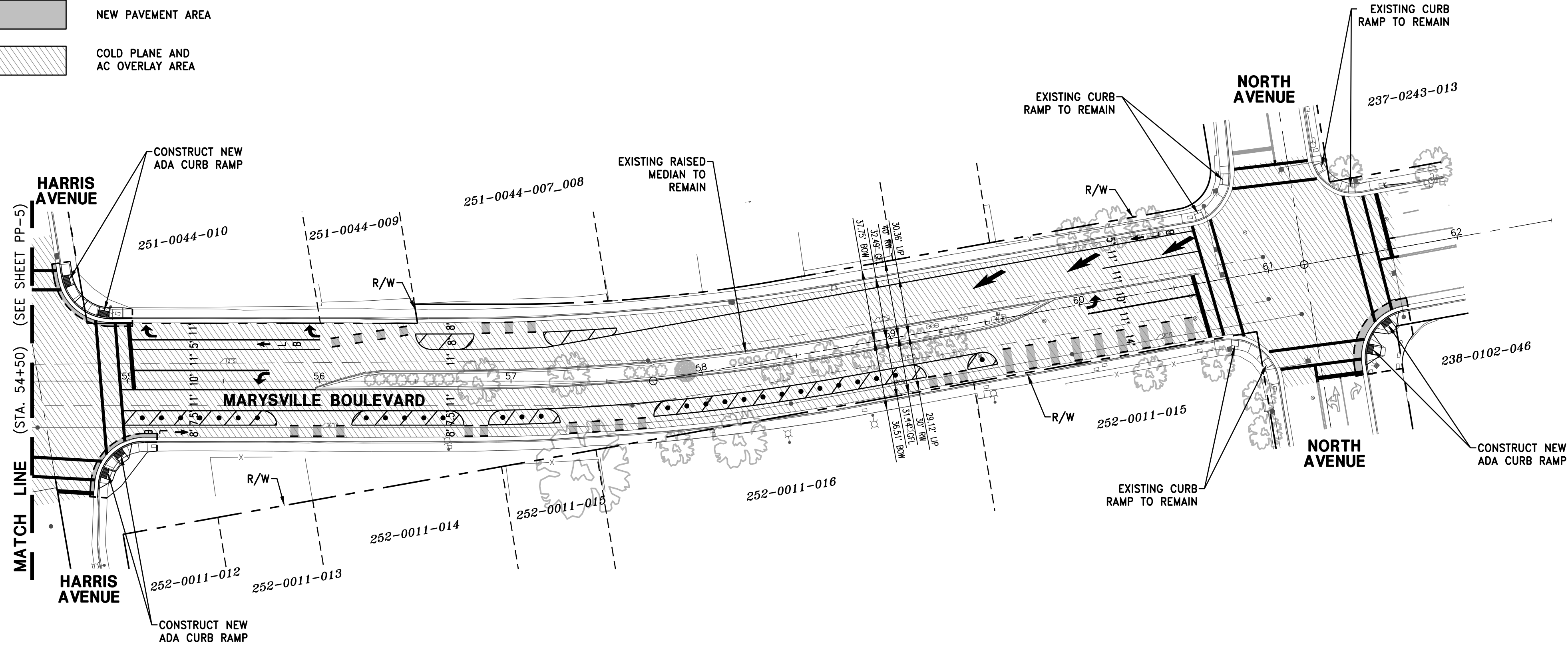
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 C St, Bldg. 100-B
Sacramento, CA 95816
Tel 916.341.7760
Fax 916.341.7767

IMPROVEMENT PLANS FOR
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT
MARYSVILLE BLVD (STA 44+50 TO 54+50)

PN: T15216300
DWG. NO. PP-5
SHEET 8
OF 18

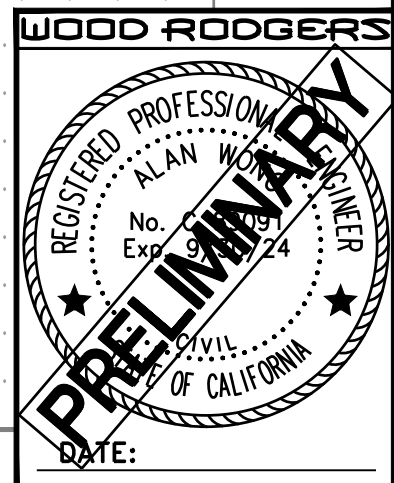
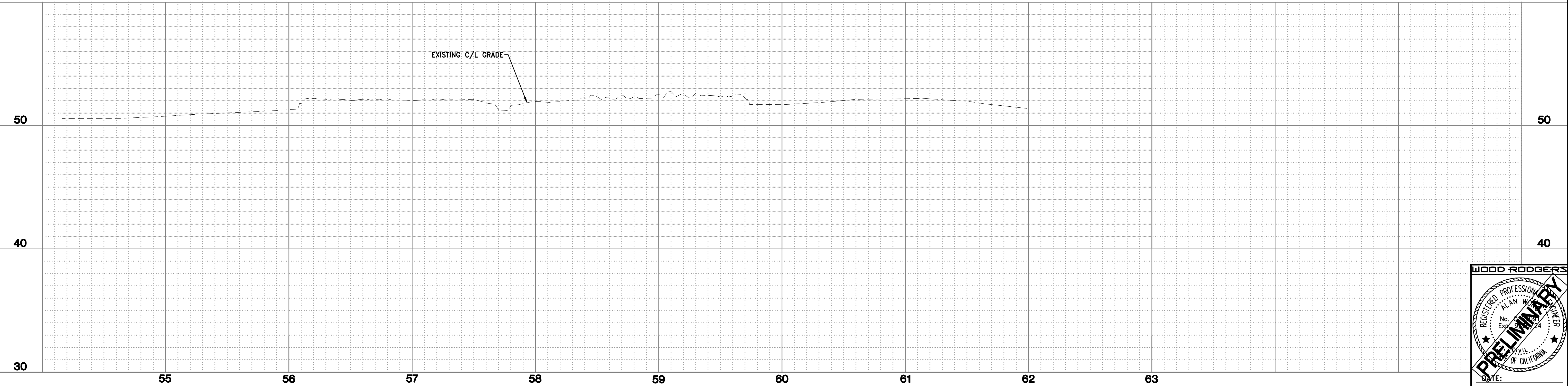
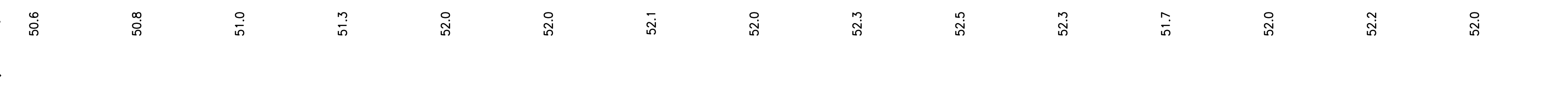
LEGEND:

- NEW PAVEMENT AREA
- COLD PLANE AND AC OVERLAY AREA



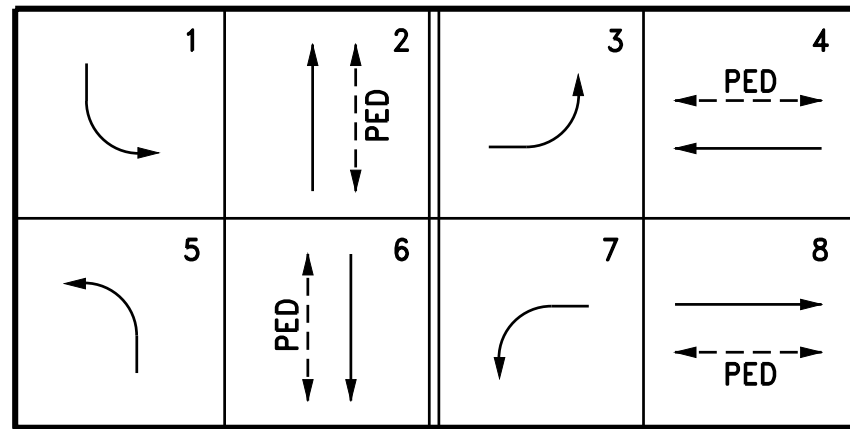
EXIST C GRADES
→

PROP C GRADES
→



REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAV088)		SCALE: 1"=40'		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767			IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT MARYSVILLE BLVD (STA 54+50 TO 62+50)			DWG. NO. PP-6 SHEET 9 OF 18	
NO.	DESCRIPTION	DATE	BY	DESCRIPTION:		ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"		DRAWN BY: J. EVANS DATE: JUNE 2024			DESIGNED BY: A. WONG R.C.E. NO. 89091 DATE:			CHECKED BY: M. SALVESON R.C.E. NO. 56351 DATE:			PN: T15216300	
				BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.		H: 1"=40' V: 1"=4'												

\\sac\15064048-Marysville Blvd\Civil\Draw\009-PP06-MVZ.dwg 6/7/2024 12:58 PM Lucas McLaugh



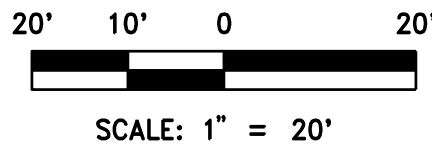
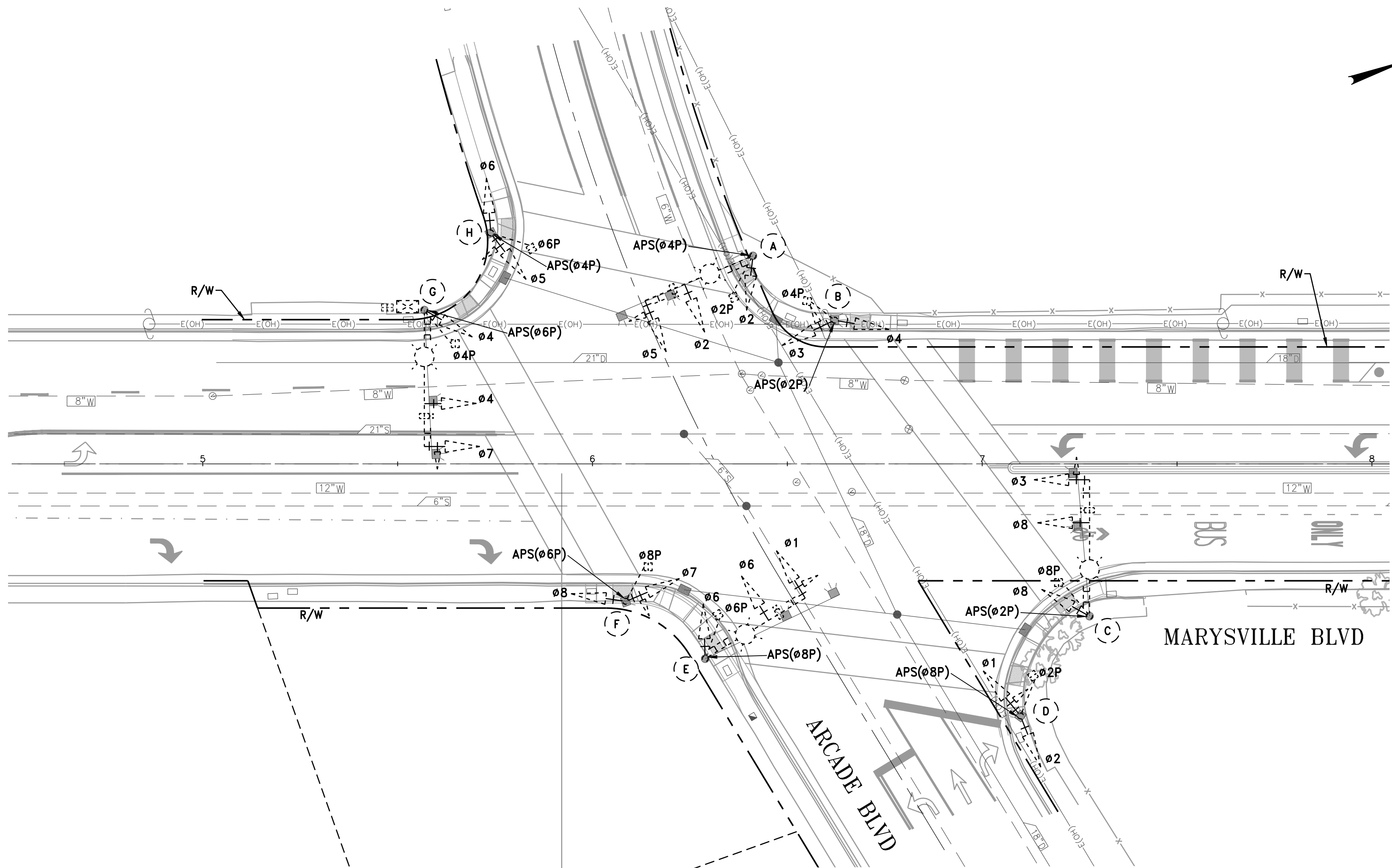
EXISTING PHASE DIAGRAM
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA
(NO CHANGE)
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH
ARCADE BOULEVARD = 40 MPH

LEGEND:

- CIRCUIT No. ② CITY MAST ARM LUMINAIRE
VIDEO DETECTION CAMERA
PAN-TILT-ZOOM CAMERA
V VIDEO DETECTION ZONE (VEHICLE)

ELECTRICAL GENERAL NOTES:

1. TRAFFIC SIGNAL SYSTEM SHALL BE CONSTRUCTED PER CITY OF SACRAMENTO IMPROVEMENT STANDARDS AND CONSTRUCTION SPECIFICATIONS DATED NOVEMBER 2020, CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2023, AND THE LATEST VERSION OF THE CA MUTCD, AS SHOWN HEREON, AND IN THE SPECIAL PROVISIONS. CITY TRAFFIC SIGNAL STANDARD DETAIL PLAN SHEETS SHALL BE CONSIDERED PART OF THIS PLAN SET.
2. SIGNAL STANDARD, CONDUIT, PULL BOX, AND DETECTOR LOCATIONS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
3. THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
4. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR COORDINATING STRIPING AND SIGNING WITH THE ELECTRICAL WORK IN THESE PLANS.
5. ALL CONDUITS SHALL BE 2" SCHEDULE 40 PVC. UNLESS OTHERWISE NOTED.
6. ALL CONDUITS SHALL HAVE A MINIMUM OF 24" OF COVER UNDER PAVEMENT.
7. CONDUCTOR INSULATION SHALL BE THW.
8. ALL PULL BOXES SHALL BE No.5 UNLESS OTHERWISE NOTED.
9. ALL PULL BOXES INSTALLED IN DIRT SHALL BE TRAFFIC RATED AND ENCASED IN P.C.C. CONCRETE COLLAR WITH A MINIMUM 12" WIDTH ON ALL SIDES OF THE PULL BOX AND A DEPTH OF 6" BELOW THE TOP OF THE PULL BOX.
10. PLACE ALL HAND HOLES A MINIMUM DISTANCE OF 6' FROM THE EDGE OF PAVEMENT.
11. DETECTOR CABLES SHALL BE SHIELDED 2 TWISTED PAIR #18 CANOGA 30003, OR APPROVED ALTERNATIVE.
12. DETECTOR LOOP SHALL BE 6'X6' UNLESS OTHERWISE NOTED. FOR LANES LESS THAN 11' WIDE, USE 5'X5'.
13. NO PULL BOX SHALL BE PLACED WITHIN CURB RAMP AREA.
14. CONTRACTOR SHALL IDENTIFY EXISTING UNDERGROUND UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
15. CONTRACTOR SHALL PROVIDE CITY APPROVED EQUIPMENT AS SPECIFIED IN THIS PROJECTS ELECTRICAL SPECIAL PROVISIONS.
16. NIGHT WORK MAY BE REQUIRED FOR THIS PROJECT, AS DIRECTED BY THE CITY.
17. ALL POLE AND DETECTOR LOCATIONS, STRIPING, PAVEMENT MARKINGS TO BE LAID OUT BY THE CONTRACTOR, SUBJECT TO APPROVAL BY THE ENGINEER.
18. ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.



30% CONCEPTUAL DESIGN

POLE AND EQUIPMENT SCHEDULE														
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB		MAST ARM LENGTH		NOTES	
		ø	TYPE**	SEC	MTG.	ø	TYPE	MTG.	ø	ARROW	TRAFFIC SIGNAL	STREET LIGHTING		
(A)	EXISTING 19-3-70	5	1W3L	A	MAS	2	1W2L	SP-1-T	4		30'	8'		
		2	1W3L	12"	MAS									
		2	1W3L	12"	SV-1-T									
(B)	EXISTING 1-B	3	1W3L	A	TV-2-T	4	1W2L	SP-1-T	2					
		4	1W3L	12"										
		3	1W3L	A										MAS
(C)	EXISTING 24-3-70	8	1W3L	12"	SV-2-T	8	1W2L	SP-1-T	2		35'	8'		
		8	1W3L	12"										
		1	1W3L	A										MAS
(D)	EXISTING 1-B	1	1W3L	A	TV-2-T	2	1W2L	SP-1-T	8					
		2	1W3L	12"										
		1	1W3L	A										MAS
(E)	EXISTING 19-3-70	6	1W3L	12"	MAS	6	1W2L	SP-1-T	8		30'	8'		
		6	1W3L	12"	SV-1-T									
		7	1W3L	A	TV-2-T									
(F)	EXISTING 1-B	8	1W3L	12"	TV-2-T	8	1W2L	SP-1-T	6					
		7	1W3L	A										MAS
		4	1W3L	12"										MAS
(G)	EXISTING 24-3-70	4	1W3L	12"	SV-1-T	4	1W2L	SP-1-T	6		35'	8'		
		4	1W3L	12"	MAS									
		5	1W3L	A	TV-2-T									
(H)	EXISTING 1-B	5	1W3L	A	TV-2-T	6	1W2L	SP-1-T	4					
		6	1W3L	12"										

CONTRACTOR-FURNISHED NEW EQUIPMENT RELOCATED/RE-USED EQUIPMENT

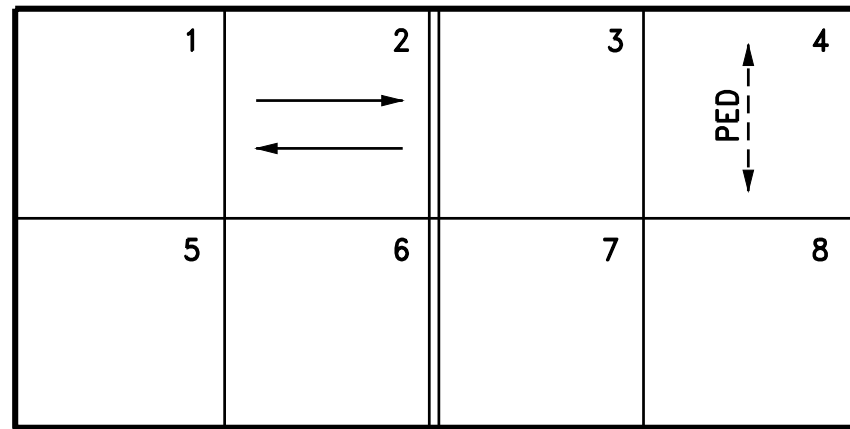
"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.
** ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD. ALL EXISTING SIGNAL BACKPLATES SHALL BE RETROFITTED BY INSTALLING YELLOW RETRO-REFLECTIVE TAPE OR BY A CITY'S APPROVED METHOD.

ACCEPTED BY:

KALEB HAILE, P.E. E-15137 DATE
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



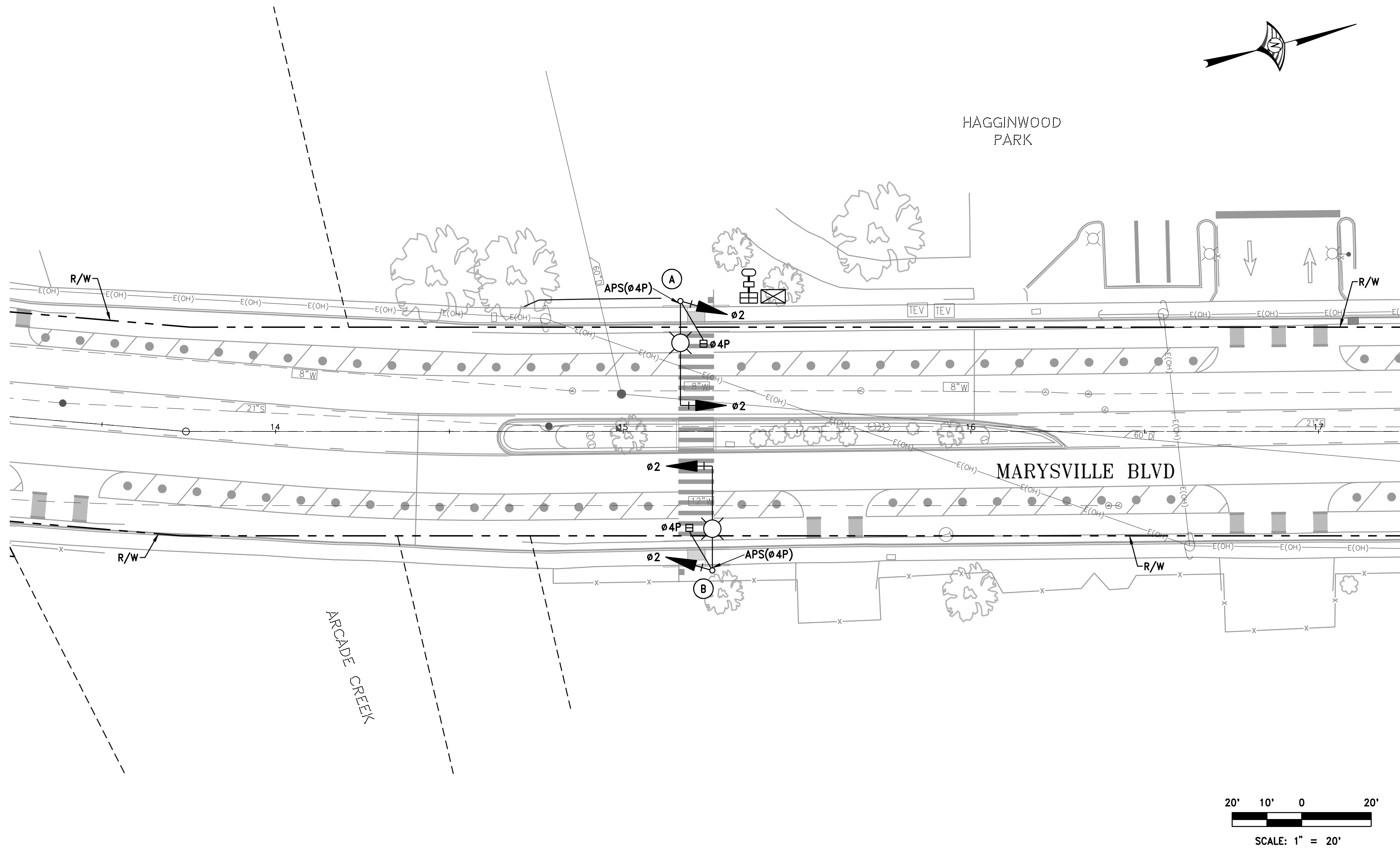
REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAVD88)	1"	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS	WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767	IMPROVEMENT PLANS FOR		DWG. NO. SIG-1
NO.	DESCRIPTION	DATE	BY					MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		
				DESCRIPTION: BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.	SCALE: 1"=20' H: 1"=20' V: N/A	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	DRAWN BY: L. EVANS DATE: JUNE 2024	DESIGNED BY: A. WONG R.C.E. NO. 89091 DATE:	CHECKED BY: M. SALVESON R.C.E. NO. 56351 DATE:	10
								TRAFFIC SIGNAL MODIFICATION PLAN ARCADE BLVD. AND MARYSVILLE BLVD.		OF
										18
								PN: T15216300		



PROPOSED PHASE DIAGRAM
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH

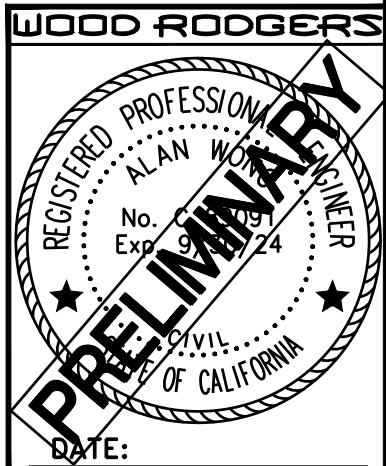
POLE AND EQUIPMENT SCHEDULE													
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB	MAST	ARM	LENGTH	NOTES
		ø	TYPE**	SEC	MTG.	ø	TYPE	MTG.	ø	ARROW	TRAFFIC SIGNAL	STREET LIGHTING	
(A)	NEW 19-2-100	2	1W3L	12"	MAS	4	1W2L	SP-1-T	4	←	30'	12'	
		2	1W3L	12"	SV-1-T								
(B)	NEW 19-2-100	2	1W3L	12"	MAS	4	1W2L	SP-1-T	4	→	30'	12'	
		2	1W3L	12"	SV-1-T								

** ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD.



30% CONCEPTUAL DESIGN

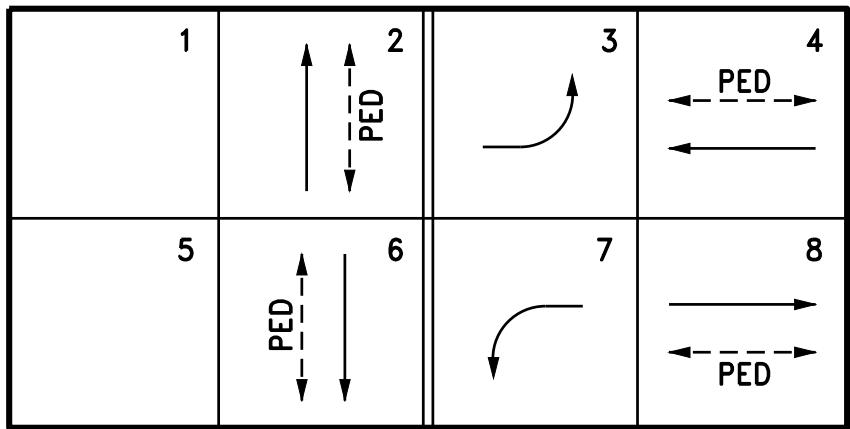
ACCEPTED BY: _____
KALEB HAILE, P.E. E-15137 DATE _____
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



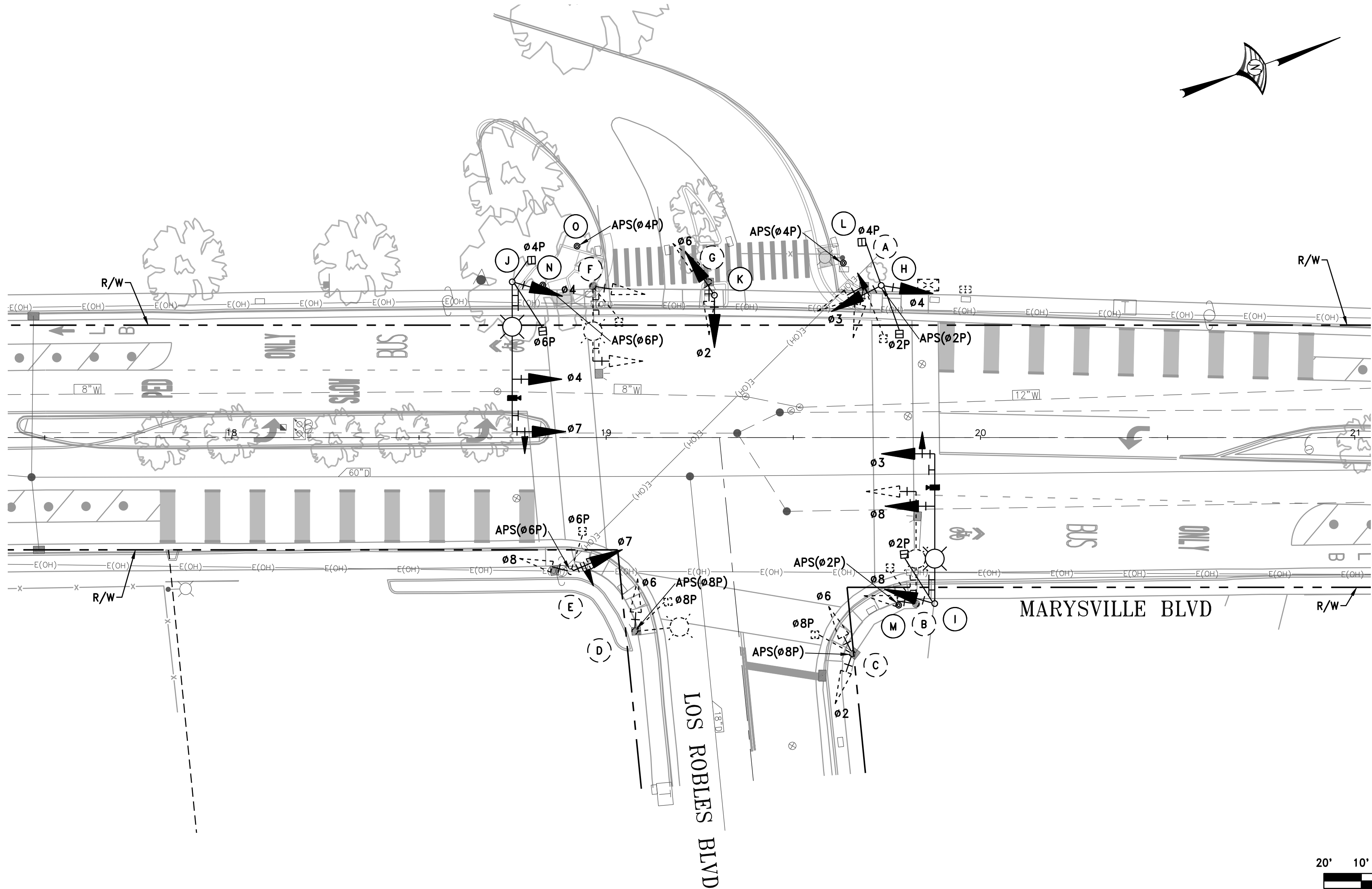
REVISIONS				BENCH MARK ELEV. <u>41.48 FT.(NAVD88)</u>	1"	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS	WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767	IMPROVEMENT PLANS FOR		DWG. NO. SIG-2
NO.	DESCRIPTION	DATE	BY					MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		
	DESCRIPTION: BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.			SCALE: H: <u>1"=20'</u> V: <u>N/A</u>	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	DRAWN BY: <u>J. EVANS</u> DATE: <u>JUNE 2024</u>	DESIGNED BY: <u>A. WONG</u> R.C.E. NO. <u>89091</u> DATE: _____	CHECKED BY: <u>M. SALVESON</u> R.C.E. NO. <u>56351</u> DATE: _____	TRAFFIC SIGNAL INSTALLATION PLAN HAGGINWOOD PARK PEDESTRIAN SIGNAL	11 OF 18
										PN: T15216300

NOTES:

SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



PROPOSED PHASE DIAGRAM
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH
LOS ROBLES BOULEVARD = 30 MPH



20' 10' 0 20'
SCALE: 1" = 20'

30% CONCEPTUAL DESIGN

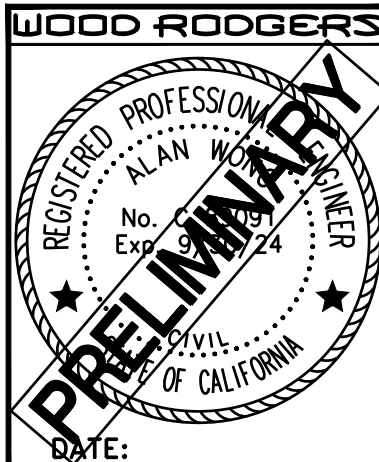
POLE AND EQUIPMENT SCHEDULE											
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL		PPB	MAST ARM LENGTH		NOTES
		Ø	TYPE**	SEC	MTG.	Ø	TYPE	MTG.	Ø	ARROW	
(A)	EXISTING 1-B	2	1W3L	12"	TV-2-T	2	1W2L	SP-1-T	2	---	
(B)	EXISTING 19-1-70	8	1W3L	12"	MAS	2	1W2L	SP-1-T	2	---	30' 12'
(C)	EXISTING 1-B	2	1W3L	12"	TV-2-T	8	1W2L	SP-1-T	8	---	
(D)	EXISTING TYPE 15	6	1W3L	8"	SV-1-T	8	1W2L	SP-1-T	8	---	
(E)	EXISTING 1-B	7	1W3L	12"	TV-2-T	6	1W2L	SP-1-T	6	---	
(F)	EXISTING 17-1-70	4	1W3L	12"	MAS	6	1W2L	SP-1-T	6	---	20' 12'
(G)	EXISTING 1-B	2	1W3L	12"	TV-2-T						
(H)	NEW 1-B(10')	3	1W3L	A	TV-2-T	2	1W2L	SP-2-T	2	---	
(I)	NEW 26-3-100	3	1W3L	A	MAS	4	1W2L	SP-1-T			40' 12'
(J)	NEW 26-3-100	8	1W3L	12"	MAS	2	1W2L	SP-1-T			
(K)	NEW 1-B(10')	2	1W3L	12"	TV-2-T						
(L)	NEW PBA								4	---	
(M)	NEW PBA								2	---	
(N)	NEW PBA								6	---	
(O)	NEW PBA								4	---	

CONTRACTOR-FURNISHED NEW EQUIPMENT EXISTING EQUIPMENT TO BE REMOVED

"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.
** ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD. ALL EXISTING SIGNAL BACKPLATES SHALL BE RETROFITTED BY INSTALLING YELLOW RETRO-REFLECTIVE TAPE OR BY A CITY'S APPROVED METHOD.

ACCEPTED BY:

KALEB HAILE, P.E. E-15137 DATE
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



REVISIONS			
NO.	DESCRIPTION	DATE	BY

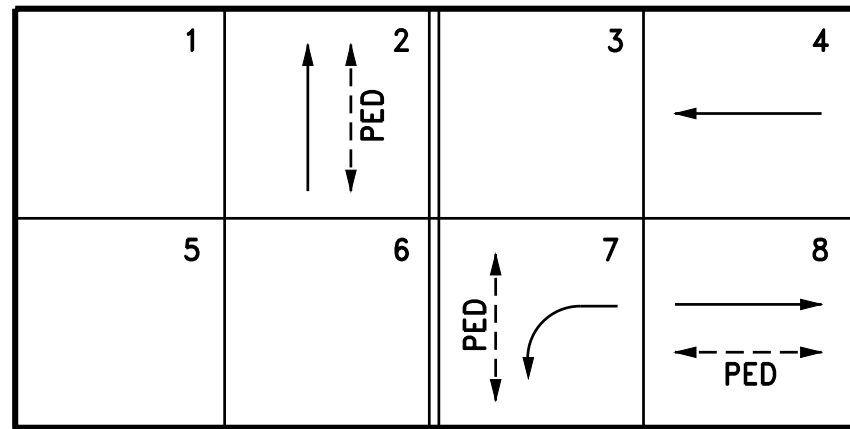
BENCH MARK ELEV. 41.48 FT.(NAV88)
DESCRIPTION:
BENCHMARK NO. 278-A4D,
HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT
BASE, NE CORNER MARYSVILLE BLVD. AND
ARCADE BLVD.

SCALE:
H: 1"=20'
V: N/A
ON ORIGINAL SCALE
DRAWING ADJUST
SCALED DIMENSIONS
IF THIS DOES NOT
SCALE AT 1"

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS
DRAWN BY: J. EVANS
DATE: JUNE 2024
DESIGNED BY: A. WONG
R.C.E. NO. 89091 DATE:
CHECKED BY: M. SALVESON
R.C.E. NO. 56351 DATE:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 C St, Bldg. 100-B
Sacramento, CA 95816
Tel 916.341.7760
Fax 916.341.7767

IMPROVEMENT PLANS FOR
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT
TRAFFIC SIGNAL MODIFICATION PLAN
LOS ROBLES BLVD. AND MARYSVILLE BLVD.

NO. 12 OF 18
DWG. NO. SIG-3
PN: T15216300



PROPOSED PHASE DIAGRAM
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH
ROSALIND STREET = 30 MPH

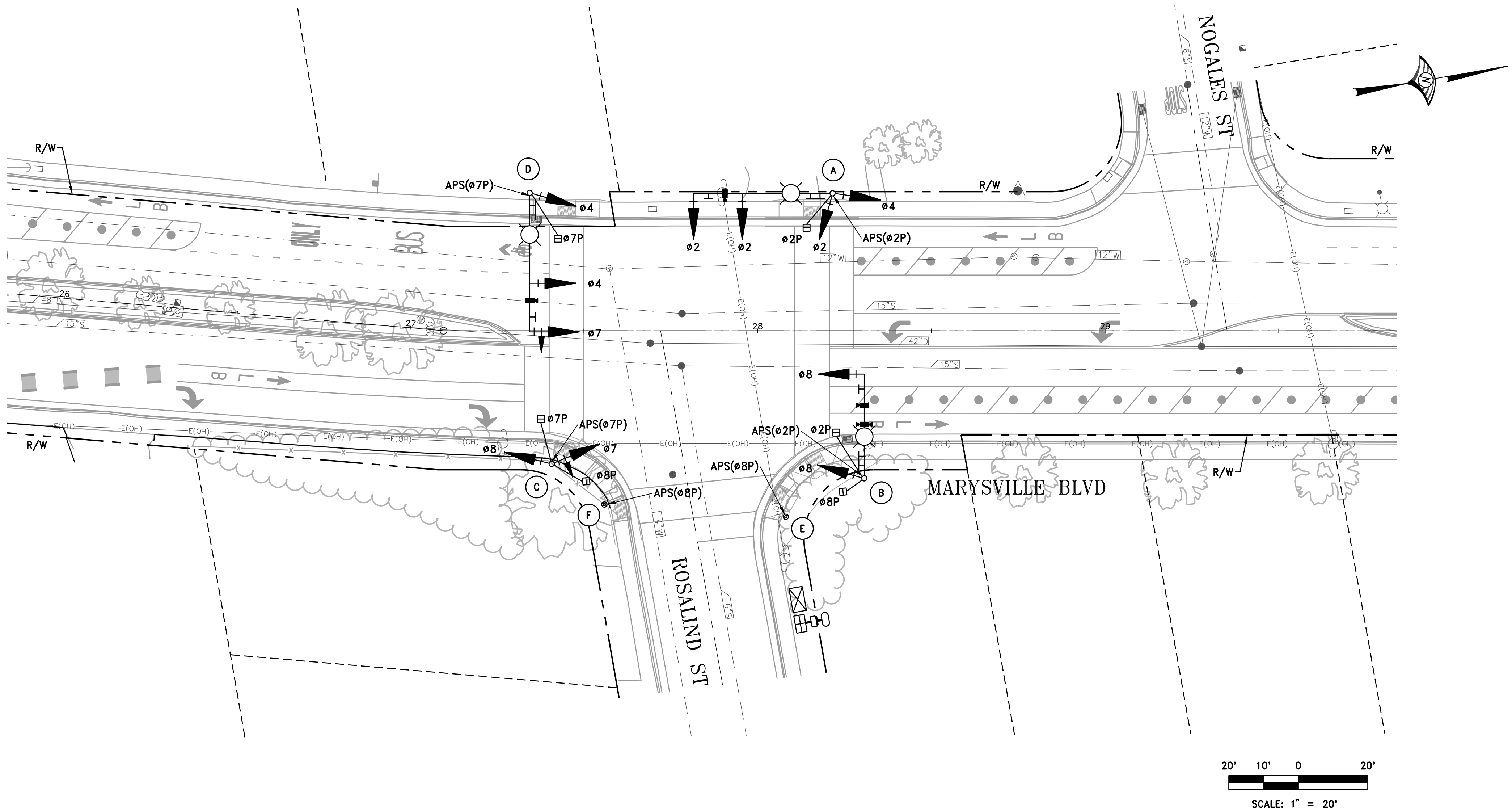
POLE AND EQUIPMENT SCHEDULE												
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB		MAST ARM LENGTH	
		Ø	TYPE**	SEC	MTG.	Ø	TYPE	MTG.	Ø	ARROW	TRAFFIC SIGNAL	STREET LIGHTING
(A)	NEW 26-3-100	2	1W3L	12"	MAS	2	1W2L	SP-1-T	2	←	40'	12'
		2	1W3L	12"	MAS							
		2	1W3L	12"	SV-2-TA							
		4	1W3L	12"	SV-2-TA							
(B)	NEW 19-2-100	8	1W3L	12"	MAS	2	1W2L	SP-2-T	2	→	30'	12'
		8	1W3L	12"	SV-1-T							
(C)	NEW 1-B(10')	7	1W3L	A	TV-2-T	7	1W2L	SP-2-T	7	→		
		8	1W3L	12"								
(D)	NEW 26-3-100	7	1W3L	A	MAS	7	1W2L	SP-1-T	7	←	40'	12'
		4	1W3L	12"	MAS							
		4	1W3L	12"	SV-1-T							
(E)	NEW PBA POST								8	→		
(F)	NEW PBA POST								8	←		

"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.

** ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD.

NOTES:

SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



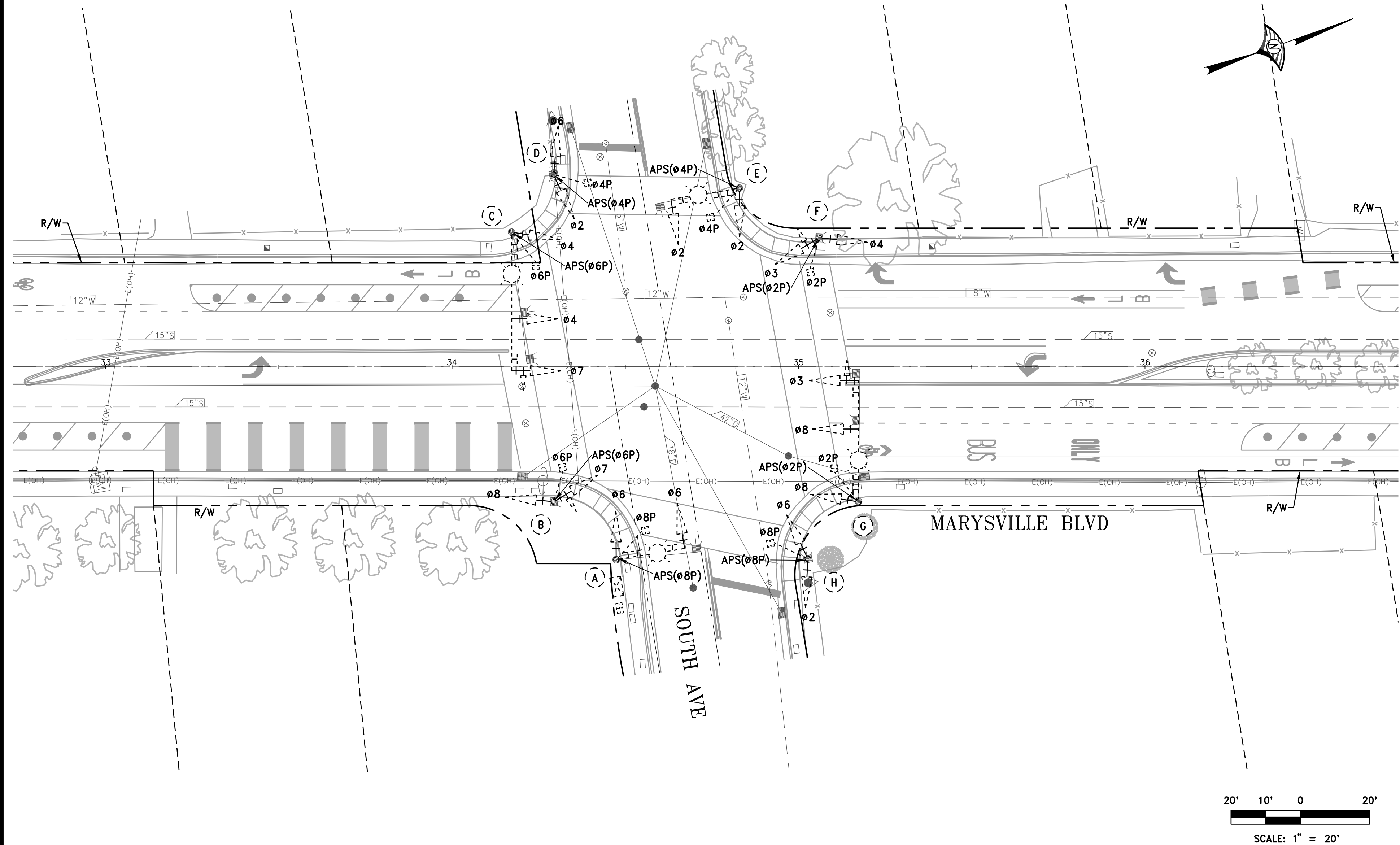
30% CONCEPTUAL DESIGN

ACCEPTED BY: _____
KALEB HAILE, P.E. E-15137 DATE _____
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



REVISIONS			BENCH MARK ELEV. 41.48 FT.(NAVD88)	1" ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767	IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT			DWG. NO. SIG-4 SHEET 13 OF 18
NO.	DESCRIPTION	DATE	BY		DRAWN BY: J. EVANS	DESIGNED BY: A. WONG	CHECKED BY: M. SALVESON		TRAFFIC SIGNAL INSTALLATION PLAN ROSALIND ST. AND MARYSVILLE BLVD.			
					DATE: JUNE 2024	R.C.E. NO. 89091	DATE:					

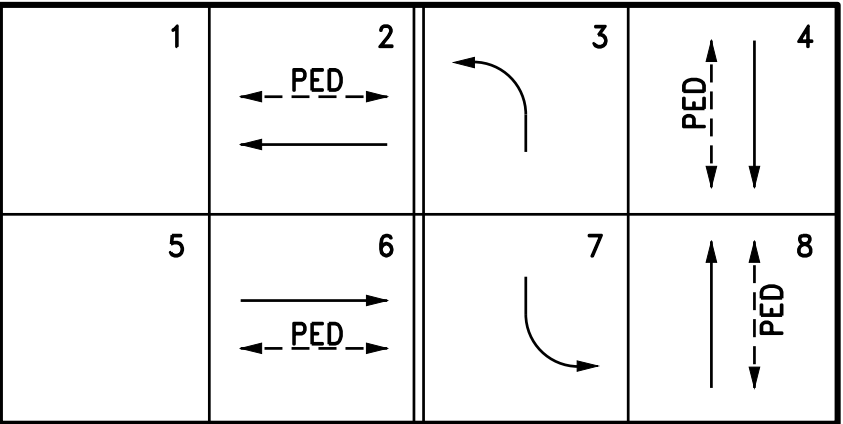
NOTES:
SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



POLE AND EQUIPMENT SCHEDULE											
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL		PPB	MAST ARM LENGTH		NOTES
		ø	TYPE**	SEC	MTG.	ø	TYPE	MTG.	ø	ARROW	
(A)	17-2-70	6	1W3L	8"	SV-1-T	8	1W2L	SP-1-T	8	←	20'
		6	1W3L	12"	MAS						
(B)	1-8	7	1W3L	A	TV-2-T	6	1W2L	SP-1-T	6	→	
		8	1W3L	8"							
(C)	26-3-70	4	1W3L	8"	SV-1-T	6	1W2L	SP-1-T	6	←	40'
		4	1W3L	12"	MAS						
(D)	1-8	2	1W3L	8"	TV-2-T	4	1W2L	SP-1-T	4	→	
		6	1W3L	8"							
(E)	17-2-70	2	1W3L	8"	SV-1-T	4	1W2L	SP-1-T	4	←	20'
		2	1W3L	12"	MAS						
(F)	1-8	4	1W3L	8"	TV-2-T	2	1W2L	SP-1-T	2	→	
		3	1W3L	A							
(G)	24-3-70	8	1W3L	8"	SV-1-T	2	1W2L	SP-1-T	2	←	35'
		8	1W3L	12"	MAS						
(H)	1-8	3	1W3L	A	MAT	8	1W2L	SP-1-T	8	→	
		2	1W3L	8"							

CONTRACTOR-FURNISHED NEW EQUIPMENT
RELOCATED/RE-USED EQUIPMENT

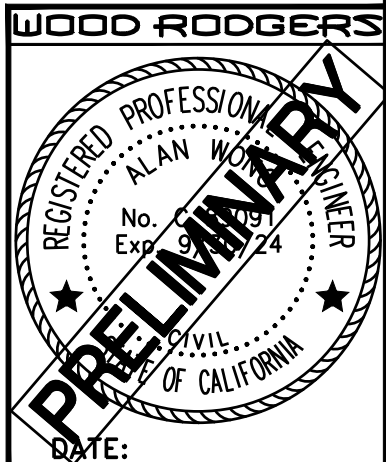
"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.
** ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD.
ALL EXISTING SIGNAL BACKPLATES SHALL BE RETROFITTED BY INSTALLING YELLOW RETRO-REFLECTIVE TAPE OR BY A CITY'S APPROVED METHOD.



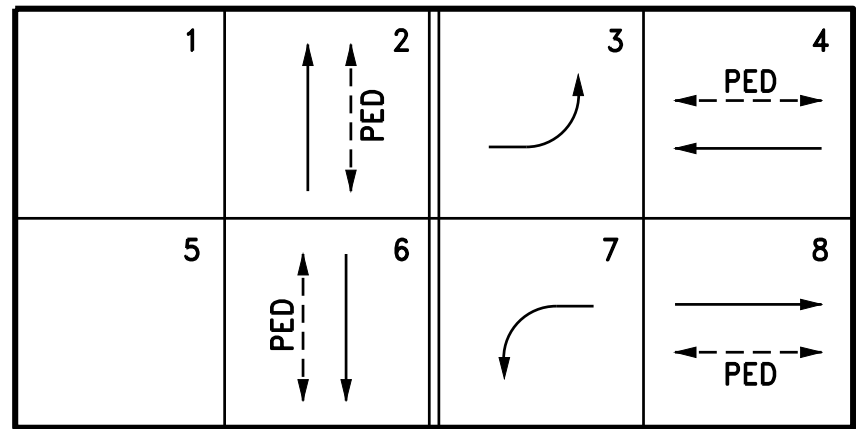
EXISTING PHASE DIAGRAM

30% CONCEPTUAL DESIGN

ACCEPTED BY:
KALEB HAILE, P.E. E-15137
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



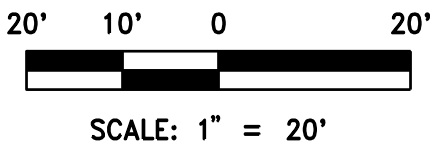
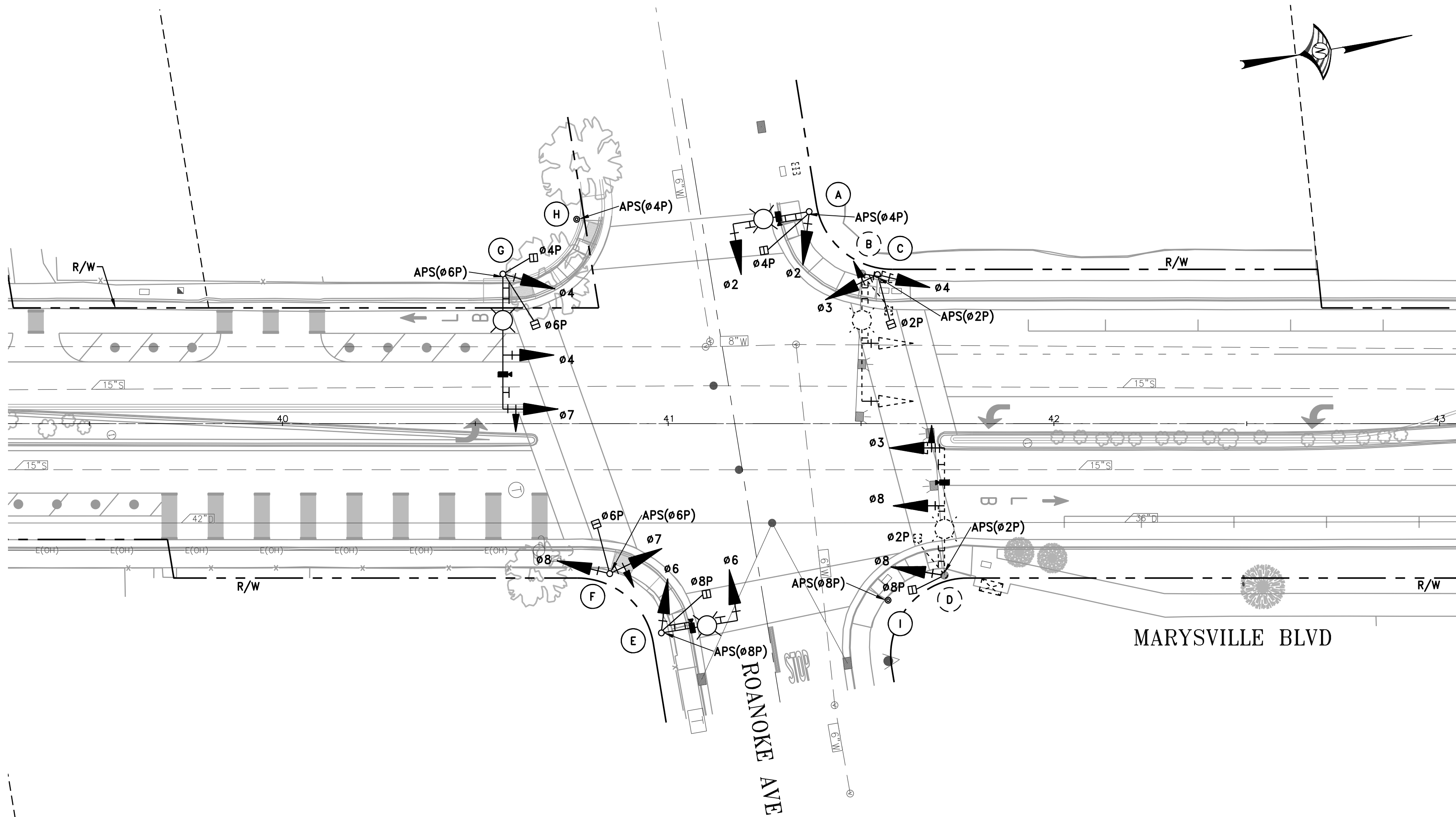
REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAVD88)	1"	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767		IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		DWG. NO. SIG-5	SHEET 14	OF 18
NO.	DESCRIPTION	DATE	BY												
				DESCRIPTION: BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.	SCALE: H: 1"=20' V: N/A	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	DRAWN BY: J. EVANS DATE: JUNE 2024	DESIGNED BY: A. WONG R.C.E. NO. 89091 DATE:	CHECKED BY: M. SALVESON R.C.E. NO. 56351 DATE:						



PROPOSED PHASE DIAGRAM
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH
ROANOKE AVENUE = 30 MPH

NOTES:

SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



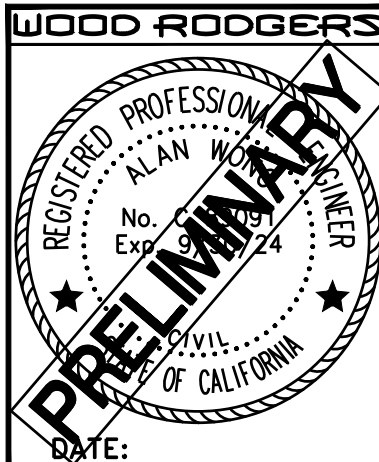
30% CONCEPTUAL DESIGN

POLE AND EQUIPMENT SCHEDULE													
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB	MAST ARM LENGTH		NOTES	
		Ø	TYPE**	SEC	MTG.	Ø	TYPE	MTG.	Ø	ARROW	TRAFFIC SIGNAL		STREET LIGHTING
(A)	NEW 17-2-100	2	1W3L	12"	MAS	4	1W2L	SP-1-T	4	←	20'	12'	
(B)	EXISTING 24-4-100	2	1W3L	12"	SV-1-T	4	1W2L	SP-1-T	2	←	33'	12'	
		4	1W3L	12"	MAS	2	1W2L	SP-1-T	2	←	33'	12'	
		4	1W3L	12"	SV-1-T								
(C)	NEW 1-B(10')	3	1W3L	A	SV-2-TA	2	1W2L	SP-1-T	2	→			
(D)	EXISTING 24-4-100	4	1W3L	12"	MAS	2	1W2L	SP-2-T	2	←	33'	12'	
		4	1W3L	12"	MAS								
		4	1W3L	12"	SV-1-T								
		3	1W3L	12"	MAS	8	1W2L						
		8	1W3L	12"	MAS								
		8	1W3L	12"	SV-1-T								
		6	1W3L	12"	MAS								
(E)	NEW 17-2-100	6	1W3L	12"	SV-1-T	8	1W2L	SP-1-T	8	→	20'	12'	
(F)	NEW 1-B(10')	7	1W3L	A	SV-2-TA	6	1W2L	SP-1-T	6	←			
		8	1W3L	12"									
(G)	NEW 24-3-100	7	1W3L	A	MAS	4	1W2L	SP-2-T	6	→	35'	12'	
		4	1W3L	12"	MAS								
		4	1W3L	12"	SV-1-T	6	1W2L						
(H)	NEW PBA POST								4	→			
(I)	NEW PBA POST								8	→			

CONTRACTOR-FURNISHED NEW EQUIPMENT
EXISTING EQUIPMENT TO BE REMOVED
"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.
** ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD.

ACCEPTED BY:

KALEB HAILE, P.E. E-15137
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAVD88)
NO.	DESCRIPTION	DATE	BY	

DESCRIPTION: BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.	SCALE: H: 1"=20' V: N/A
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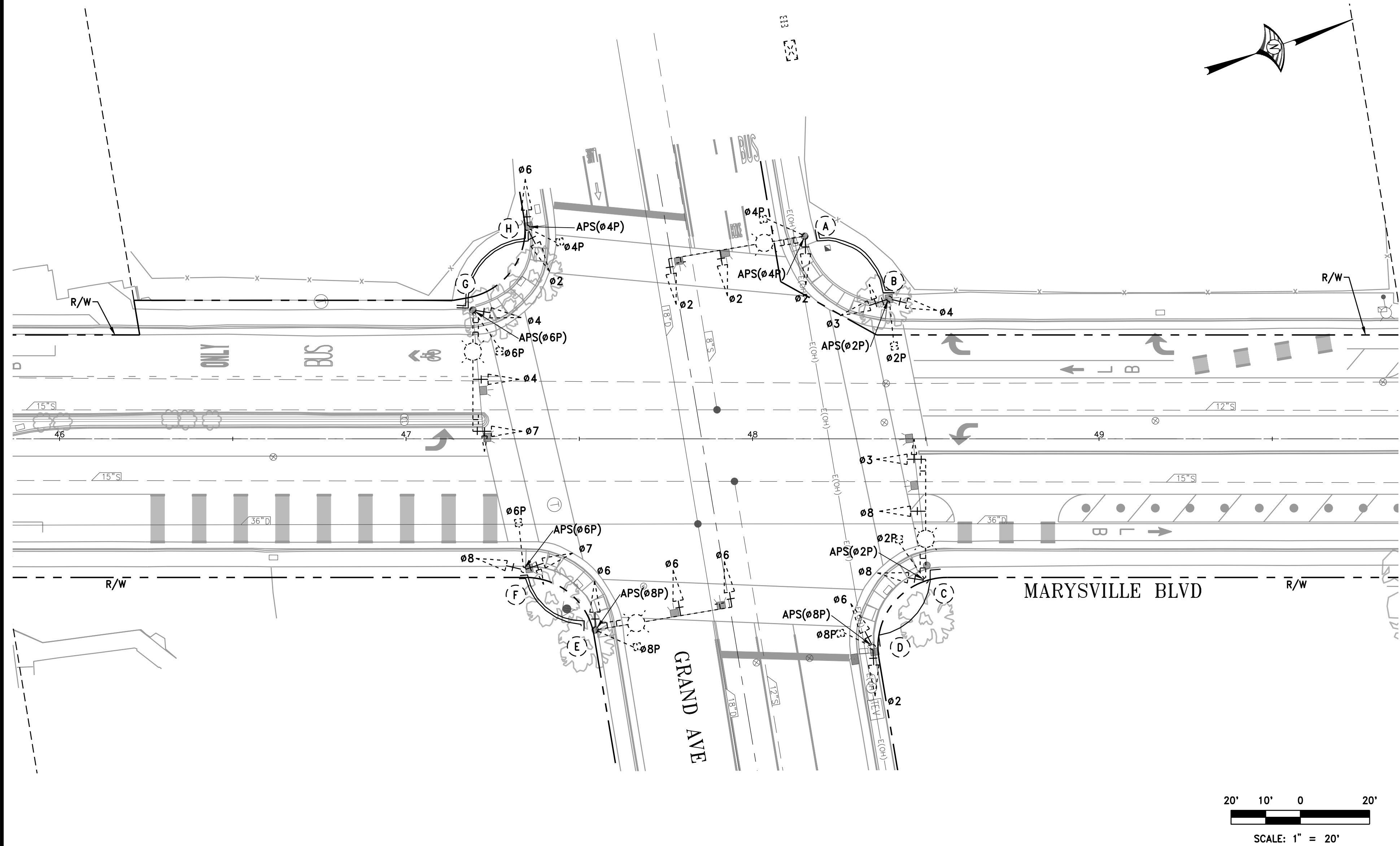
CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			
DRAWN BY: J. EVANS DATE: JUNE 2024	DESIGNED BY: A. WONG R.C.E. NO. 89091 DATE:	CHECKED BY: M. SALVESON R.C.E. NO. 56351 DATE:	

WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767
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IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT	
TRAFFIC SIGNAL MODIFICATION PLAN ROANOKE AVE. AND MARYSVILLE BLVD.	

DWG. NO. SIG-6	SHEET 15
PN: T15216300	OF 18

NOTES:
SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.

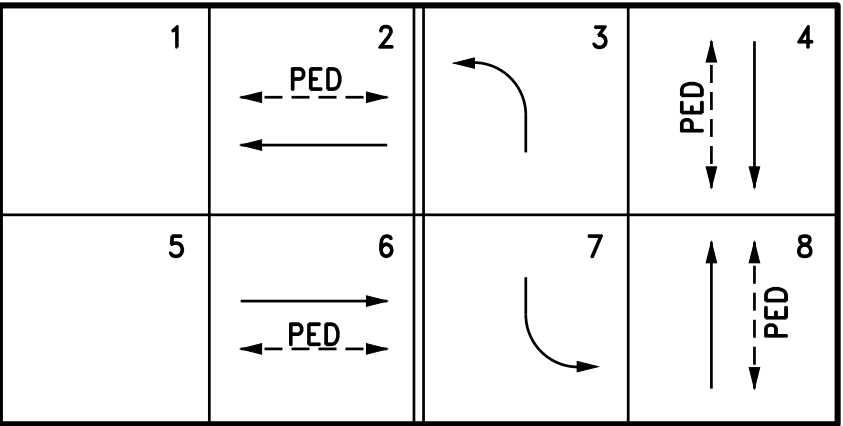


POLE AND EQUIPMENT SCHEDULE													
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB		MAST ARM LENGTH		NOTES
		ø	TYPE**	SEC	MTG.	ø	TYPE	MTG.	ø	ARROW	TRAFFIC SIGNAL	STREET LIGHTING	
(A)	26-3-70	2	1W3L	12"	MAS	4	1W2L	SP-1-T	4		40'	10'	
		2	1W3L	12"	MAS								
		2	1W3L	8"	SV-1-T								
(B)	1-8	3	1W3L	A	TV-2-T	2	1W2L	SP-1-T	2				
		4	1W3L	8"									
(C)	26	3	1W3L	A	MAS	2	1W2L	SP-1-T	2		35	10'	
		8	1W3L	12"	MAS								
		8	1W3L	8"	SV-1-T								
(D)	1-8	6	1W3L	12"	TV-2-T	8	1W2L	SP-1-T	8				
		2	1W3L	8"									
(E)	26-3-70	6	1W3L	12"	MAS	8	1W2L	SP-1-T	8		40'	10'	
		6	1W3L	12"	MAS								
		6	1W3L	8"	SV-1-T								
(F)	1-8	7	1W3L	A	TV-2-T	6	1W2L	SP-1-T	6				
		8	1W3L	8"									
(G)	26	7	1W3L	A	MAS	6	1W2L	SP-1-T	6		35'	10'	
		4	1W3L	12"	MAS								
		4	1W3L	8"	SV-1-T								
(H)	1-8	2	1W3L	12"	TV-2-T	4	1W2L	SP-1-T	4				
		6	1W3L	8"									

CONTRACTOR-FURNISHED NEW EQUIPMENT RELOCATED/RE-USED EQUIPMENT

"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.

** ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD. ALL EXISTING SIGNAL BACKPLATES SHALL BE RETROFITTED BY INSTALLING YELLOW RETRO-REFLECTIVE TAPE OR BY A CITY'S APPROVED METHOD.



EXISTING PHASE DIAGRAM

30% CONCEPTUAL DESIGN

ACCEPTED BY: _____
KALEB HAILE, P.E. E-15137 DATE _____
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAVD88)
NO.	DESCRIPTION	DATE	BY	
				DESCRIPTION: BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.

SCALE: H: 1"=20' V: N/A	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"
-------------------------------	---

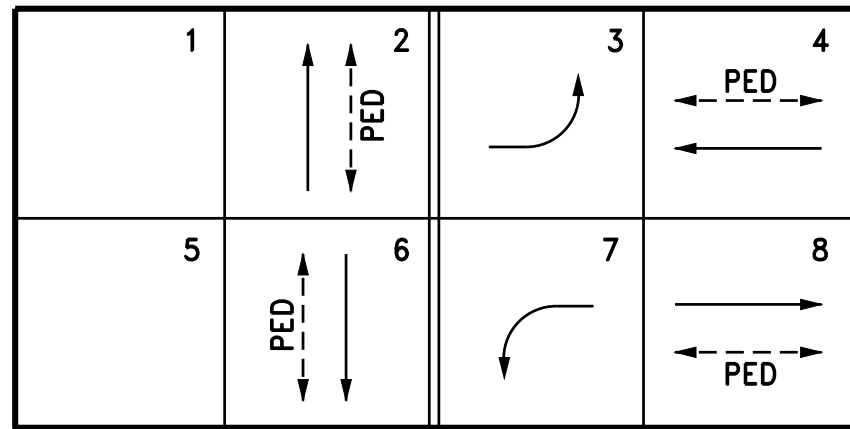
CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		
DRAWN BY: J. EVANS DATE: JUNE 2024	DESIGNED BY: A. WONG R.C.E. NO. 89091 DATE: _____	CHECKED BY: M. SALVESON R.C.E. NO. 56351 DATE: _____

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 C St, Bldg. 100-B
Sacramento, CA 95816
Tel 916.341.7760
Fax 916.341.7767

IMPROVEMENT PLANS FOR
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT

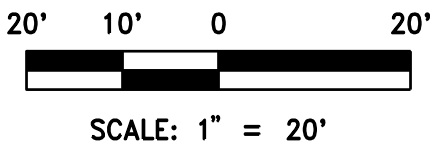
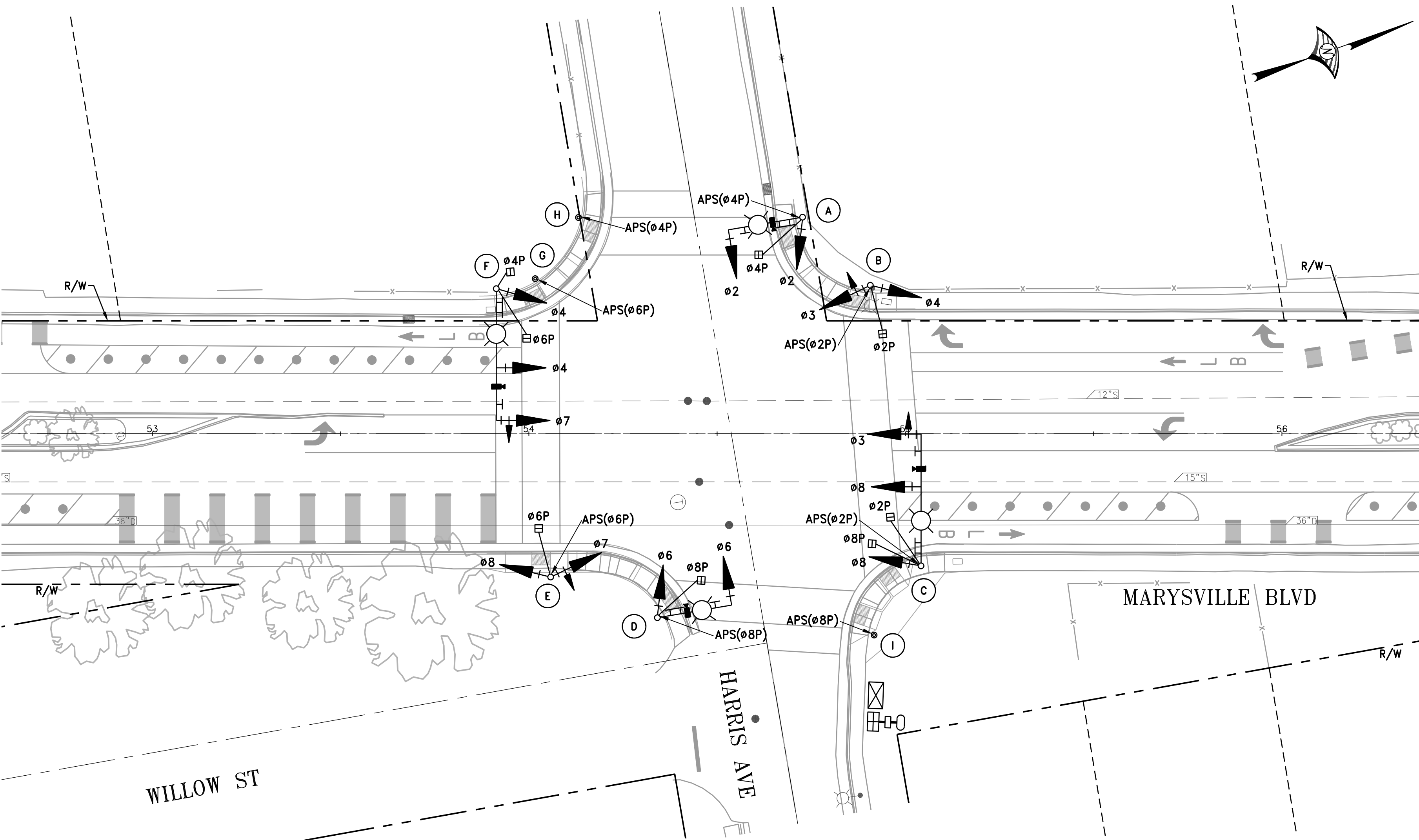
TRAFFIC SIGNAL MODIFICATION PLAN
GRAND AVE. AND MARYSVILLE BLVD.

DWG. NO. SIG-7	OF 18
PN: T15216300	16



PROPOSED PHASE DIAGRAM
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH
HARRIS AVENUE = 30 MPH

NOTES:
SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



30% CONCEPTUAL DESIGN

POLE AND EQUIPMENT SCHEDULE												
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB	MAST ARM LENGTH		NOTES
		ø	TYPE**	SEC	MTG.	ø	TYPE	MTG.		TRAFFIC SIGNAL	STREET LIGHTING	
(A)	NEW 17-2-100	2	1W3L	12"	MAS	4	1W2L	SP-1-T	4	←	20'	12'
		2	1W3L	12"	SV-1-T							
(B)	NEW 1-B(10')	3	1W3L	A	TV-2-T	2	1W2L	SP-1-T	2	→		
		4	1W3L	12"								
(C)	NEW 24-3-100	3	1W3L	A	MAS	2	1W2L	SP-2-T	2	←	35'	12'
		8	1W3L	12"	SV-1-T							
(D)	NEW 17-2-100	6	1W3L	12"	MAS	8	1W2L	SP-1-T	8	←	20'	12'
		6	1W3L	12"	SV-1-T							
(E)	NEW 1-B(10')	7	1W3L	A	TV-2-T	6	1W2L	SP-1-T	6	→		
		8	1W3L	12"								
(F)	NEW 24-3-100	7	1W3L	A	MAS	4	1W2L	SP-2-T			35'	12'
		4	1W3L	12"	MAS							
(G)	NEW PBA POST	4	1W3L	12"	SV-1-T	6	1W2L					
(H)	NEW PBA POST								6	←		
(I)	NEW PBA POST								4	→		
									8	→		

"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.
** ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD.

NO.

REVISIONS

DESCRIPTION

DATE

BY

BENCH MARK ELEV. 41.48 FT.(NAV088)

DESCRIPTION:
BENCHMARK NO. 278-A4D,
HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT
BASE, NE CORNER MARYSVILLE BLVD. AND
ARCADE BLVD.

SCALE:
H: 1"=20'
V: N/A

ON ORIGINAL SCALE
DRAWING ADJUST
SCALED DIMENSIONS
IF THIS DOES NOT
SCALE AT 1"

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

DRAWN BY: J. EVANS

DESIGNED BY: A. WONG

CHECKED BY: M. SALVESON

DATE: JUNE 2024

R.C.E. NO. 89091

DATE:

WOOD RODGERS

BUILDING RELATIONSHIPS ONE PROJECT AT A TIME

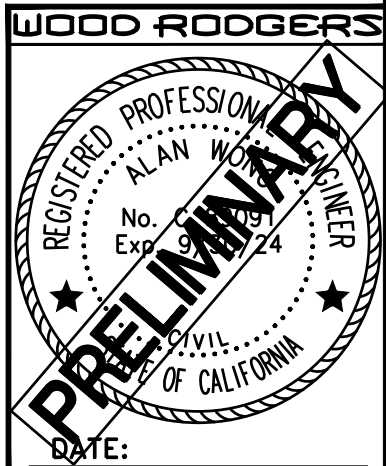
3301 C St, Bldg. 100-B
Sacramento, CA 95816
Tel 916.341.7760
Fax 916.341.7767

IMPROVEMENT PLANS FOR
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT

TRAFFIC SIGNAL INSTALLATION PLAN
HARRIS AVE. AND MARYSVILLE BLVD.

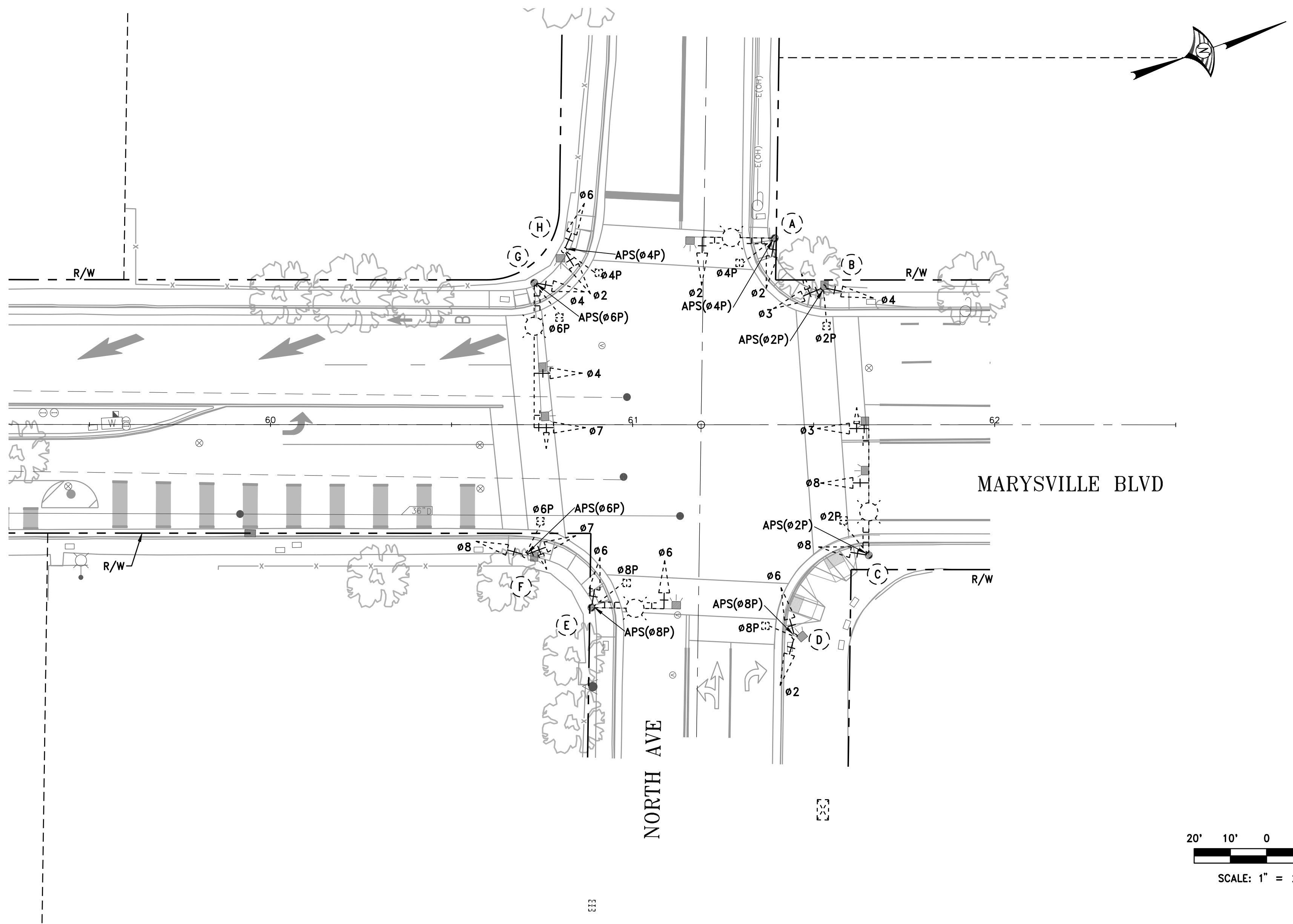
PN: T15216300

DWG. NO.
SIG-8
SHEET
17
OF
18



ACCEPTED BY: _____
KALEB HAILE, P.E. E-15137 DATE _____
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS

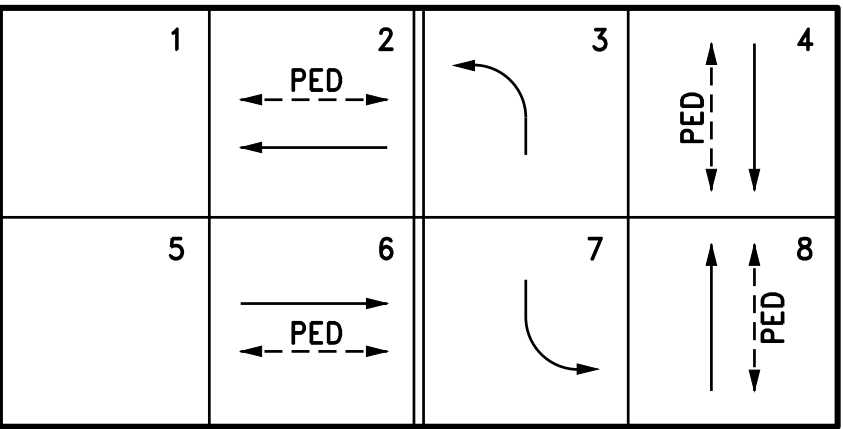
NOTES:
SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



POLE AND EQUIPMENT SCHEDULE													
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB		MAST ARM LENGTH		NOTES
		Ø	TYPE**	SEC	MTG.	Ø	TYPE	MTG.	Ø	ARROW	TRAFFIC SIGNAL	STREET LIGHTING	
(A)	17-3-70	2	1W3L	8"	SV-1-T	4	1W2L	SP-1-T	4		20'	10'	
(B)	1-8	2	1W3L	12"	MAS	2	1W2L	SP-1-T	2				
		3	1W3L	A	TV-2-T								
(C)	24-3-70	4	1W3L	8"	MAT	2	1W2L	SP-1-T	2		35'	10'	
		3	1W3L	A									
		8	1W3L	12"	MAS								
(D)	1-8	8	1W3L	8"	SV-1-T	2	1W2L	SP-1-T	2		35'	10'	
		2	1W3L	8"	TV-2-T								
		6	1W3L	12"	MAS								
(E)	17-3-70	2	1W3L	8"	SV-1-T	8	1W2L	SP-1-T	8		20'	10'	
		6	1W3L	12"	MAS								
(F)	1-8	8	1W3L	8"	TV-2-T	8	1W2L	SP-1-T	8		20'	10'	
		7	1W3L	A	SV-1-T								
(G)	26-3-70	4	1W3L	8"	MAT	6	1W2L	SP-1-T	6		40'	10'	
		4	1W3L	12"									
		7	1W3L	A	TV-2-T								
(H)	1-8	2	1W3L	12"	TV-2-T	4	1W2L	SP-1-T	4				
		6	1W3L	8"									

CONTRACTOR-FURNISHED NEW EQUIPMENT RELOCATED/RE-USED EQUIPMENT

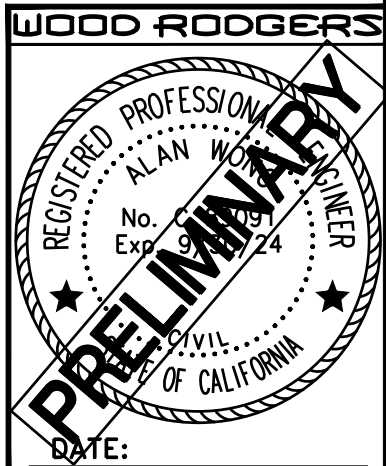
"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.
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EXISTING PHASE DIAGRAM

30% CONCEPTUAL DESIGN

ACCEPTED BY: _____
KALEB HAILE, P.E. E-15137 DATE _____
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



REVISIONS			BENCH MARK ELEV. 41.48 FT.(NAVD88)	SCALE: 1"=20'	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767	IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT			DWG. NO. SIG-9 SHEET 18 OF 18
NO.	DESCRIPTION	DATE	BY			DRAWN BY: J. EVANS	DESIGNED BY: A. WONG	CHECKED BY: M. SALVESON		TRAFFIC SIGNAL MODIFICATION PLAN NORTH AVE. AND MAYSVILLE BLVD.			
						DATE: JUNE 2024	R.C.E. NO. 89091 DATE:	R.C.E. NO. 56351 DATE:					

ATTACHMENT D

ENVIRONMENTAL DOCUMENTATION



NOTICE OF EXEMPTION

ENDORSED

SACRAMENTO COUNTY

DEC 20 2024

DONNA ALLRED, CLERK/RECORDER
BY lms DEPUTY

TO: X County Clerk
County of Sacramento
600 8th Street
Sacramento CA

FROM: City of Sacramento
Community Development Department
Planning Division
300 Richards Boulevard, 3rd Floor
Sacramento, CA 95811

X Office of Planning and Research
1400 10th Street, Room 121
Sacramento, CA 95814

ACTIVITY/PROJECT TITLE: Marysville Boulevard Vision Zero Safety Project (T15216300)

ACTIVITY/PROJECT LOCATION: Marysville Boulevard between Arcade Boulevard and North Avenue and at the Marysville Boulevard/North Avenue intersection.

CITY: Sacramento

COUNTY: Sacramento

DESCRIPTION OF ACTIVITY/PROJECT: This project proposes safety improvements along Marysville Boulevard between Arcade Boulevard and North Avenue, in accordance with its Vision Zero program. Improvements include a road diet from four to two lanes, bicycle lane gap closures, upgrading existing bike lanes to protected bike lanes, sidewalk improvements, pavement repair, upgrading unsignalized intersections to controlled crossings, modifying existing traffic signals, a new pedestrian signal, and signing and striping improvements.

NAME OF PUBLIC AGENCY APPROVING ACTIVITY/PROJECT: City of Sacramento

NAME OF PERSON/AGENCY CARRYING OUT ACTIVITY/PROJECT: Luke Fuson, Senior Engineer c/o Department of Public Works, 915 I Street, 2nd Floor, Sacramento, CA 95814; Ph: (916) 808-6601; Email: LFuson@cityofsacramento.org

THE CITY OF SACRAMENTO FINDS THAT THE ACTIVITY/PROJECT IS EXEMPT.

Exempt Status: (Check One)

- ☐ The project qualifies as infill development ([Section 15332]
- ☐ Activity has no potential for causing a significant effect on the environment [Section 15061(b)(3)]
- ☐ Statutory Exemption [Section 21080(b)(8)]
- ☐ Ministerial Exemption [Section 15268]
- ☐ Declared Emergency Exemption [Section 15269(a)]
- ☐ Emergency Project [Section 15269(b) and (c)]
- ☒ Categorical Exemption-State Class 1 and Section Number(s) 15301

REASONS WHY ACTIVITY/PROJECT IS EXEMPT: The Community Development Department, Environmental Planning Division has reviewed this project and determined that it is exempt from the provisions of CEQA under Class 1, Section Number 15301 which consists of the operation, repair, maintenance, or minor alteration of existing public or private structures or facilities involving negligible or no expansion of existing or former use.

CONTACT PERSON: Ron Bess, Associate Planner
Rbess@cityofsacramento.org

TELEPHONE: (916) 808-8272

SIGNED: Ron Bess

DATED: November 20, 2024



State of California - Department of Fish and Wildlife
2024 ENVIRONMENTAL DOCUMENT FILING FEE
CASH RECEIPT
DFW 753.5a (REV. 01/01/24) Previously DFG 753.5a

Print

StartOver

Save

RECEIPT NUMBER:

34 — 12/20/2024 — 509

STATE CLEARINGHOUSE NUMBER (If applicable)

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY

CITY OF SACRAMENTO COMMUNITY DEVELOPMENT DEPARTMENT PLANNING DIVISION

LEAD AGENCY EMAIL

DATE

12/20/2024

COUNTY/STATE AGENCY OF FILING

Sacramento

DOCUMENT NUMBER

2024-0593

PROJECT TITLE

MARYSVILLE BOULEVARD VISION ZERO SAFTEY PROJECT (T15216300)

PROJECT APPLICANT NAME

CITY OF SACRAMENTO, DEPARTMENT OF PUBLIC WORKS, CONTACT: LUKE FUSON

PROJECT APPLICANT EMAIL

LFUSON@CITYOFSACRAMENTO.ORG

PHONE NUMBER

(919) 808-6601

PROJECT APPLICANT ADDRESS

915 I STREET, 2ND FLOOR

CITY

SACRAMENTO

STATE

CA

ZIP CODE

95814

PROJECT APPLICANT (Check appropriate box)

☒ Local Public Agency ☐ School District ☐ Other Special District ☐ State Agency ☐ Private Entity

CHECK APPLICABLE FEES:

☐ Environmental Impact Report (EIR)	\$4,051.25	\$	0.00
☐ Mitigated/Negative Declaration (MND)(ND)	\$2,916.75	\$	0.00
☐ Certified Regulatory Program (CRP) document - payment due directly to CDFW	\$1,377.25	\$	0.00

☒ Exempt from fee

☒ Notice of Exemption (attach)

☐ CDFW No Effect Determination (attach)

☐ Fee previously paid (attach previously issued cash receipt copy)

☐ Water Right Application or Petition Fee (State Water Resources Control Board only) \$850.00 \$ 0.00

☒ County documentary handling fee \$ 50.00

☐ Other \$

PAYMENT METHOD:

☐ Cash ☐ Credit ☒ Check ☐ Other

TOTAL RECEIVED \$ 50.00

SIGNATURE

X

Monica Galvan-Sidhu

AGENCY OF FILING PRINTED NAME AND TITLE

Sacramento County Clerk/Recorder-MONICA GALVAN-SIDHU-Deputy Clerk

Sacramento County
Donna Allred, Clerk/Recorder
(916) 874-6334

Receipt#: 001673103
12/20/2024 9:26:45 AM
Order#: 20240175421 MGS

Description	Amount
Clerk - CEQA Filing	\$50.00
Document 20240593	
Notice of Exemption	
EIR Processing Fee	\$50.00

Total Amount Due	\$50.00
------------------	---------

Payments:	\$50.00
Check# 0000781114	

We Appreciate Your Business
Have a Nice Day!
Please keep for your reference