

City of Sacramento  
**Active Transportation Commission Report**  
915 I Street Sacramento, CA 95814  
www.cityofsacramento.org

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**File ID:** 2025-01630

9/18/2025

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**Marysville Boulevard Vision Zero Safety Project (T15216300)**

File ID: 2025-01630

**Location:** District 2

**Recommendation:** Review and comment.

**Contact:** Luke Fuson, Senior Engineer, (916) 808-6601, [ljfuson@cityofsacramento.org](mailto:ljfuson@cityofsacramento.org), Department of Public Works

**Presenter:** Luke Fuson, Senior Engineer, (916) 808-6601, [ljfuson@cityofsacramento.org](mailto:ljfuson@cityofsacramento.org), Department of Public Works

**Attachments:**

- 1-Description/Analysis
- 2-Marysville Boulevard Vision Zero Safety Project Preliminary Plans
- 3-Marysville Boulevard Vision Zero Phase 1 Quick-Build Project Preliminary Plans
- 4-Presentation

**Description/Analysis**

**Issue Detail:** The Marysville Boulevard Vision Zero Safety Project, also referred to as the “Ultimate Project” is located on Marysville Boulevard between Arcade Boulevard and North Avenue. The Vision Zero program identified Marysville Boulevard as one of the top 5 corridors in the city with the highest number of fatal and severe crashes. The project’s limits and conceptual design were identified in the *Vision Zero Top 5 Corridors Plan*. Improvements identified for the Marysville Boulevard Vision Zero Safety Project include a road diet, upgrading existing bike lanes to Buffered Class II Bike Lanes and Protected Class IV Bikeways, bicycle lane gap closures, accessible curb ramps, two new accessible pedestrian traffic signals, a new pedestrian signal, modifications to six existing traffic signals, pavement repair, bus stop improvements, and signing and striping.

The total cost of the Marysville Boulevard Vision Zero Safety Project is approximately \$18 million. The Sacramento Area Council of Government (SACOG) has approved \$9.1 million in State Transportation Improvement Program (STIP) funding for the construction costs. The City will continue to pursue additional construction funding. Since complete construction funding for the ultimate Marysville Boulevard Vision Zero Project will not be available for several years and there is a need to



address immediate safety concerns, the city will phase the project into two construction packages. The City's goal is to secure the remaining construction funding with approximately three years. Phase 1, or "Marysville Boulevard Quick-Build Project" will be constructed first and will focus on the segment between Marysville Boulevard / South Avenue and Marysville Boulevard / Grand Avenue intersections. The Marysville Boulevard Quick-Build Project's immediate safety improvements are based on the Ultimate Project's plan-lines developed in preliminary engineering. The Quick-Build project will apply a pavement slurry seal and place striping and signing to reduce the number of travel lanes from four lanes to two lanes, provide a combination of Buffered Class II Bike Lanes and Protected Class IV Bike Lanes and striped medians. The Quick-Build project will install minor traffic signal modifications at the Marysville Boulevard / South Avenue intersection and the Marysville Boulevard / Grand Avenue intersection to accommodate the road diet. Staff are requesting input on the preliminary design from the Active Transportation Commission as the environmental review and preliminary design are being developed.

**Policy Considerations:** The recommendations in this report are in accordance with the following specific policies from the Sacramento 2040 General Plan:

M-1.2 User Prioritization - The City shall prioritize mobility, comfort, health, safety, and convenience for those walking, followed by those bicycling and riding transit, ahead of design and operations for those driving.

M-1.3 - Health Transportation system Options - The City shall plan and make investments to foster a transportation system that improves the health of Sacramento residents through actions that make active transportation, non- motorized modes, high-occupancy, and zero- emission vehicles (ZEVs) viable, attractive alternatives to automobiles that use internal combustion engines.

M-1.9 - Equitable Processes & Outcomes - The City shall ensure that the transportation system is planned and implemented with an equitable process to achieve equitable outcomes and investments so that all neighborhoods one day will have similar levels of transportation infrastructure such as sidewalks, marked low stress crossings, and bikeways.

M-1.11 - Increase Bicycling & Walking - The City shall strive to increase bicycling and walking citywide so that it can meet its equity, reduced vehicle miles traveled, and sustainability goals.

M-1.17 - Improve Bicycle Connectivity - The City shall plan and seek funding for a continuous, low-stress bikeway network consisting of bicycling-friendly facilities that connect neighborhoods with destinations and activity centers throughout the city.

M-1.18 - Bicycling Safety - When designing projects, the City shall prioritize designs that strengthen the protection of people bicycling such as improvements that increase visibility of bicyclists, increase bikeway widths, raise bikeways, design safer intersection crossings and turns, and separate



bikeways from driving traffic wherever feasible.

M-1.19 - Walking Safety - When designing projects, the City shall prioritize designs that encourage walking and improve walking safety best practice designs and considerations for efficiencies in walking.

M-4.3 Vision Zero. The City shall use a data driven, “vision zero” approach to eliminate all traffic fatalities and severe injuries by 2027, while increasing safety, health, and equitable mobility for all.

**Economic Impacts:** None.

**Environmental Considerations:** The update is an administrative activity and is not a project under the California Environmental Quality Act (CEQA), per CEQA Guidelines Section 15378(b)(5). The action requested is to review, comment, and provide direction about the plans for the Marysville Boulevard Vision Zero project. The project’s CEQA and NEPA environmental clearance is being completed as part of the preliminary engineering phase.

**Sustainability:** The project is consistent with sustainability goals of optimizing the transportation system and developing a universally accessible, safe, convenient, integrated, and well-connected pedestrian system. Transportation is also responsible for 57% of Sacramento’s local greenhouse gas emissions, the single largest sector. Providing safe and bikeable transportation alternatives helps to reduce single-occupant vehicle use and will contribute towards Sacramento’s climate change goals.

**Commission/Committee Action:** Not applicable.

**Rationale for Recommendation:** Staff are requesting input from the Active Transportation Commission for consideration as the environmental review and preliminary design are being developed.

**Financial Considerations:** Funding for the Marysville Boulevard Vision Zero Safety Project’s Preliminary Engineering and Final Design phases and for the Quick-Build project comes from the local and State transportation funds. The Sacramento Area Council of Government (SACOG) has approved State Transportation Improvement Program (STIP) funding for the construction costs. The Marysville Boulevard Quick-Build Project is funded through the City’s Quick-Build Safety Program, which was a new initiative adopted by the City Council in April 2025 to address traffic-related safety issues.

**Public/Neighborhood Outreach and Comments:** Community outreach was an important component of the Vision Zero Top Five Corridor Study. 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:



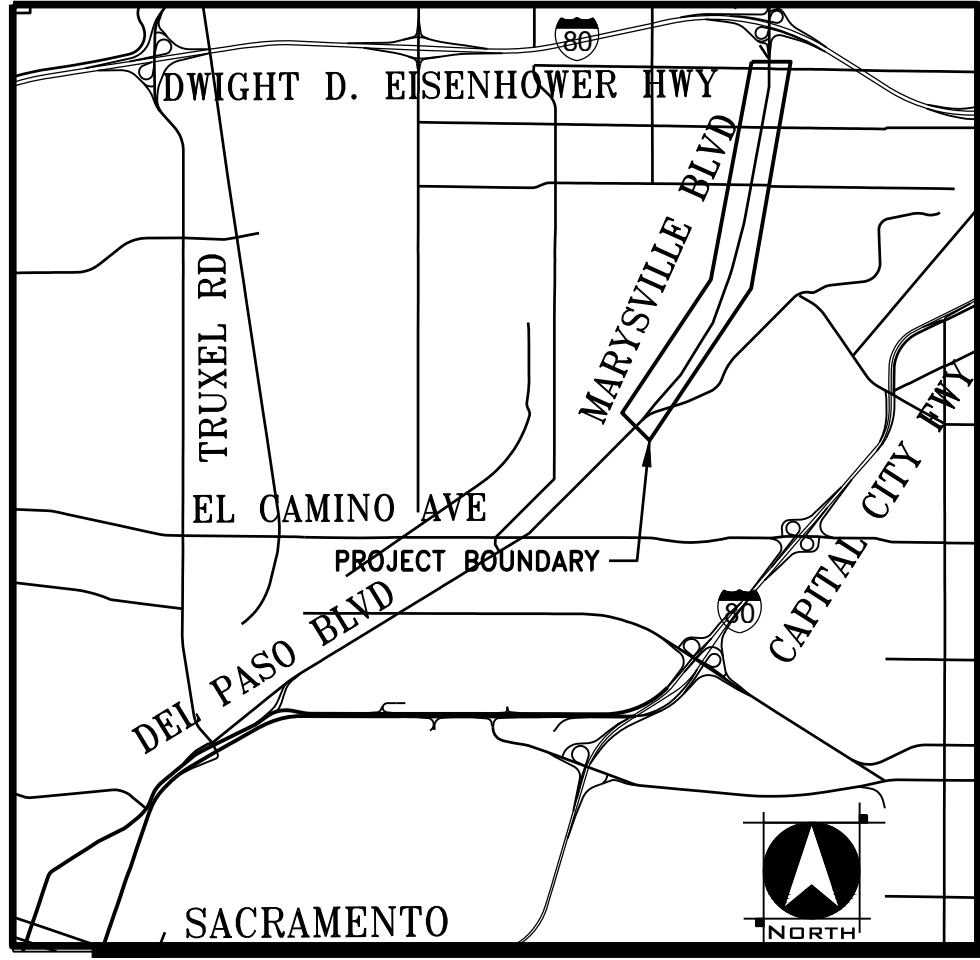
- **Visibility:** Residents described visibility issues due to skewed intersections and obstructions.
- **Signals/Signage:** Residents suggested that more signals or flashing beacons could help make it safer for pedestrians to cross the street.
- **Crossings:** Difficulty crossing the street as a pedestrian 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.



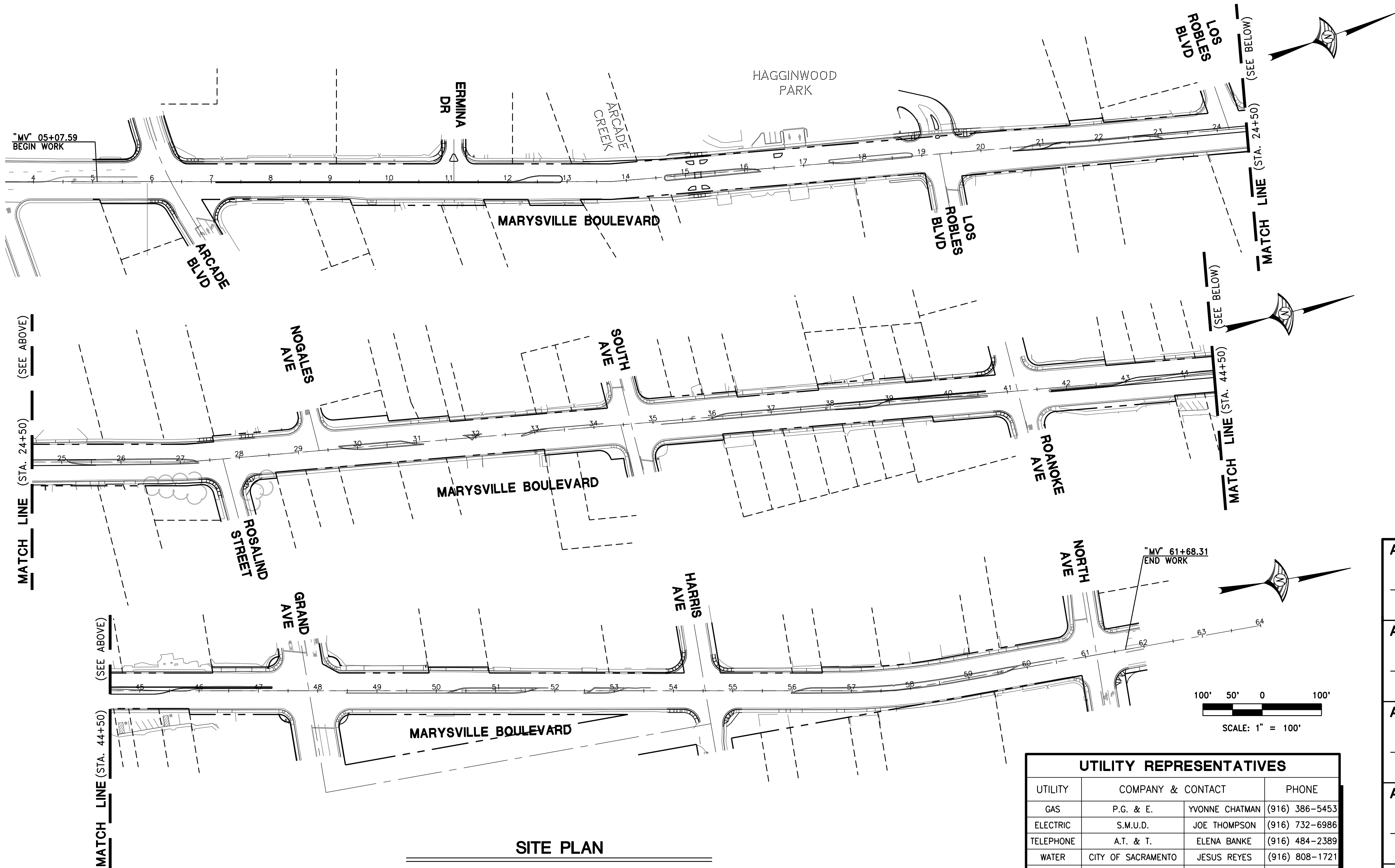
# MARYSVILLE BOULEVARD VISION ZERO SAFETY PROJECT

CITY OF SACRAMENTO, CALIFORNIA

## LOCATION MAP



30% DESIGN



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APPROVED BY:	
LUKE FUSON, R.C.E. 73946 ASSOCIATE ENGINEER DEPARTMENT OF PUBLIC WORKS	DATE
APPROVED BY:	
WILLIAM SHUNK, R.C.E. 70382 SENIOR ENGINEER DEPARTMENT OF PUBLIC WORKS	DATE
APPROVED BY:	
JOHN MATOBA, P.E. E-16605 SENIOR ENGINEER, ENGINEERING SERVICES DEPARTMENT OF PUBLIC WORKS (ELECTRICAL DESIGN)	DATE
APPROVED BY:	
BRETT GRANT, R.C.E. 58964 SUPERVISING ENGINEER DEPARTMENT OF UTILITIES	DATE
APPROVED BY:	
DAVID EDROSOLAN, R.C.E. 50826 CITY TRAFFIC ENGINEER DEPARTMENT OF PUBLIC WORKS (SIGNING AND STRIPING)	DATE

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

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REVISIONS				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
NO.	DESCRIPTION	DATE	BY			

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DEPARTMENT OF PUBLIC WORKS

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

DRAWN BY: I. EVANS  
DATE: OCTOBER 2024

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

CHECKED BY: J. PANGBURN  
R.C.E. NO. 71445  
DATE:

IMPROVEMENT PLANS FOR  
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT

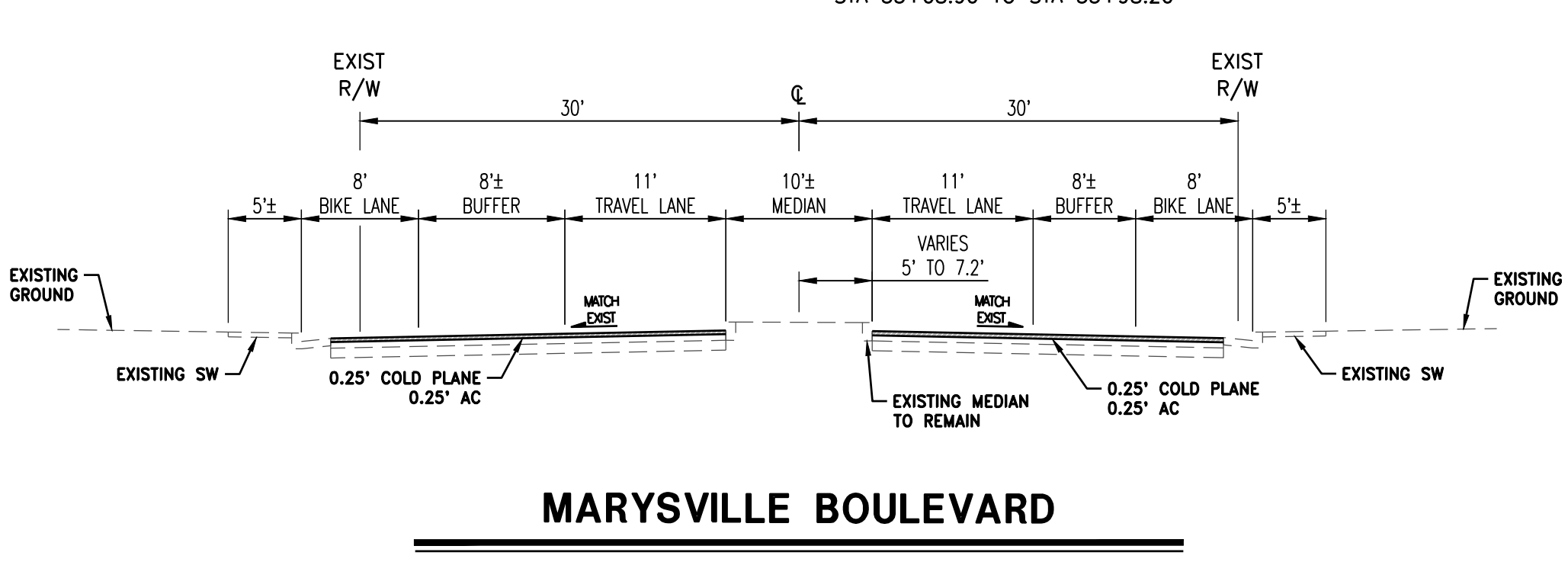
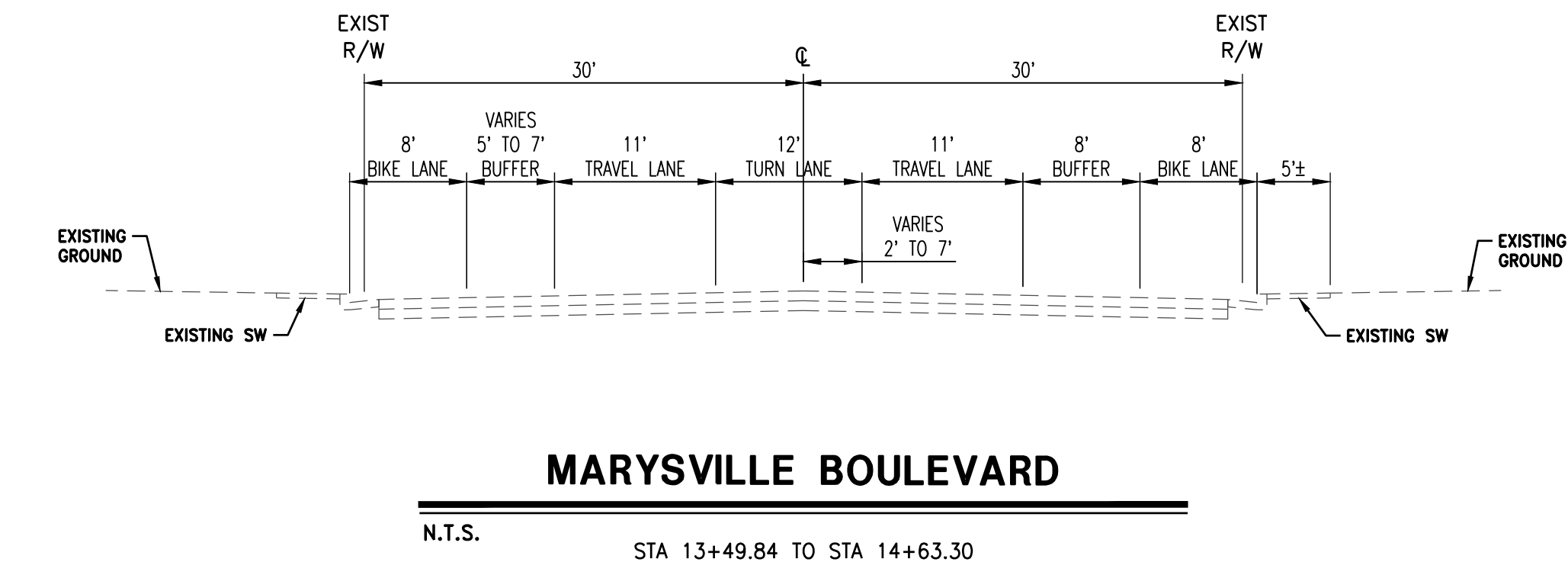
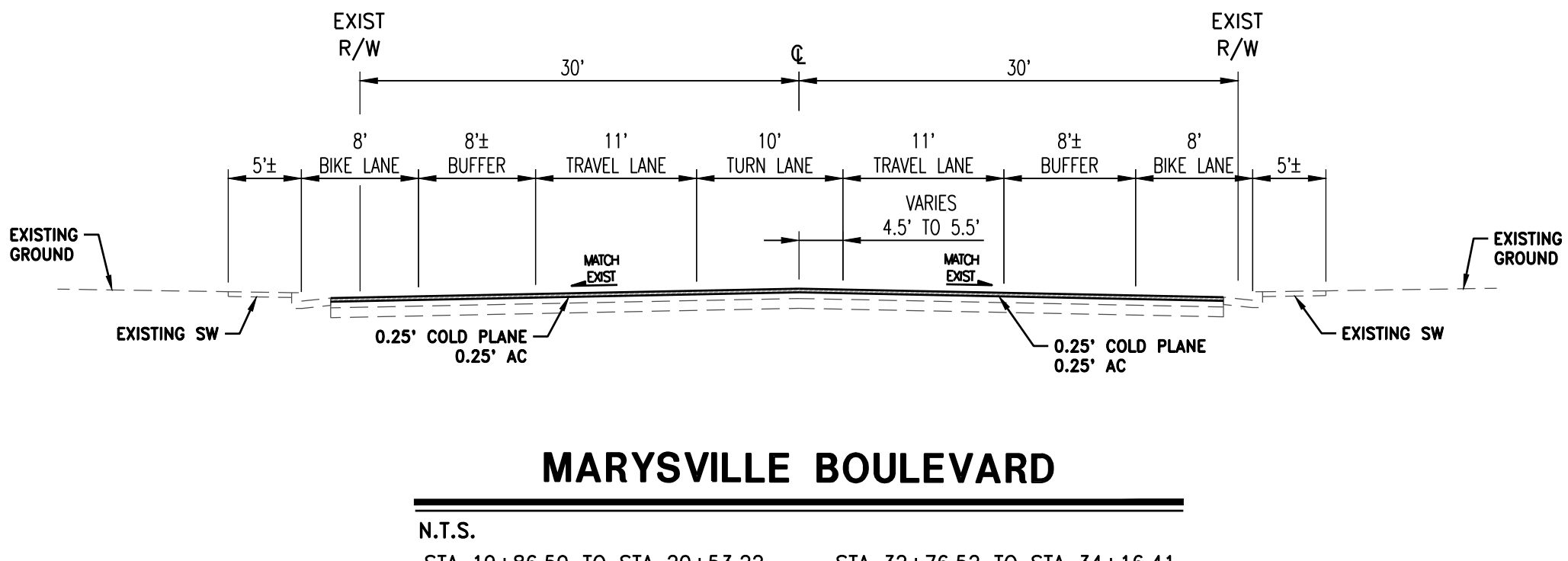
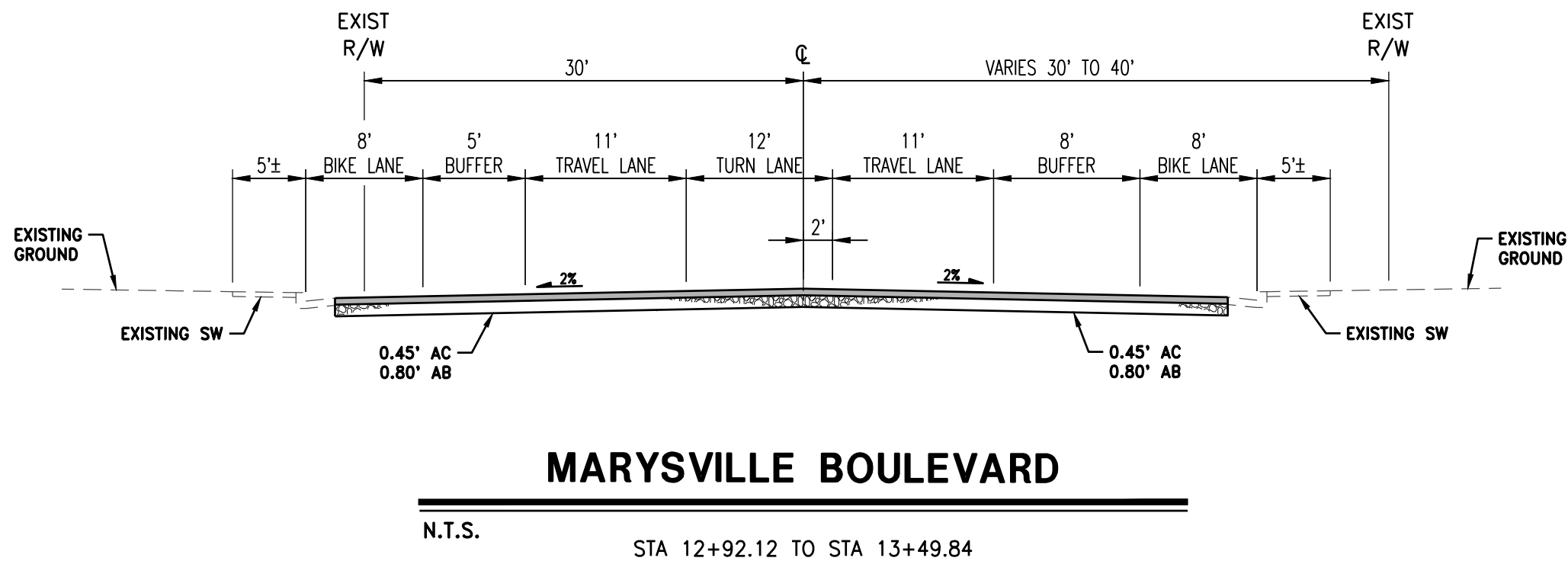
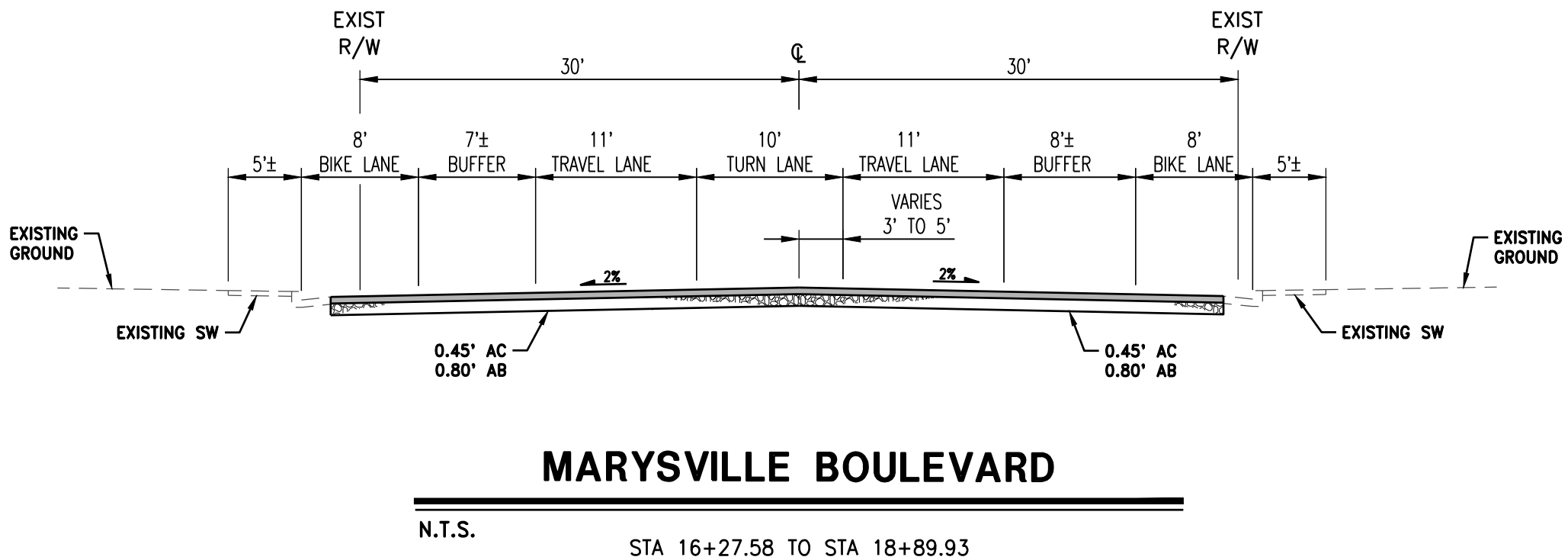
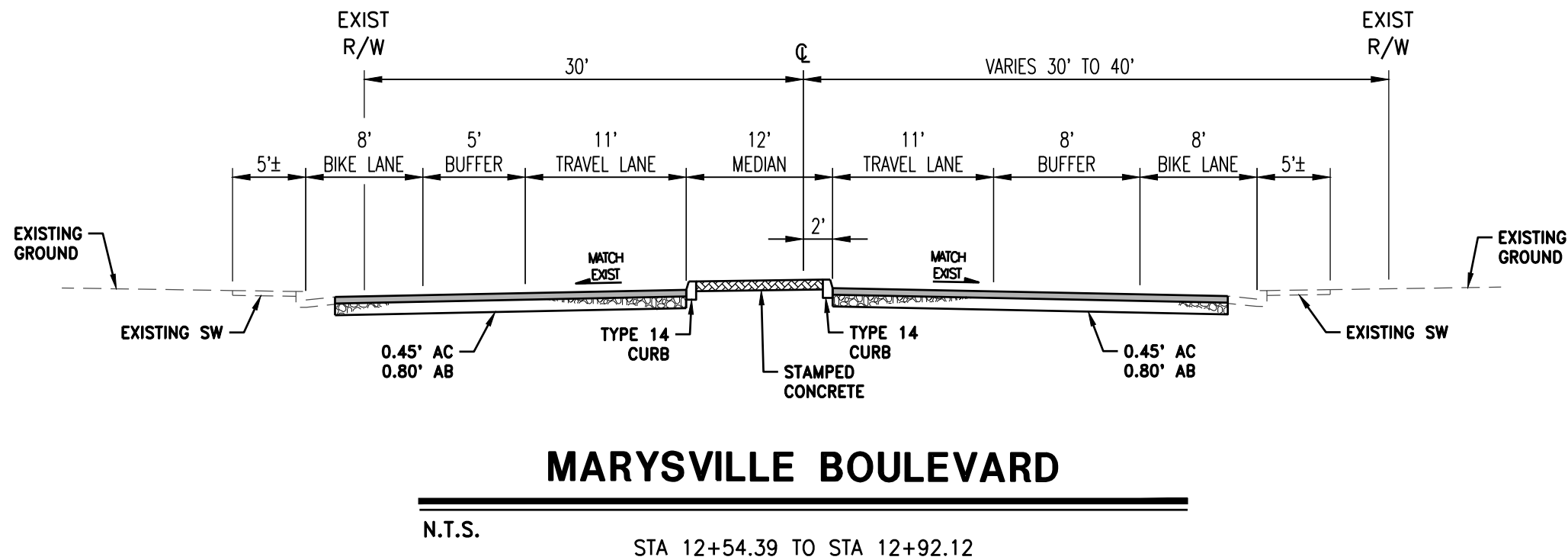
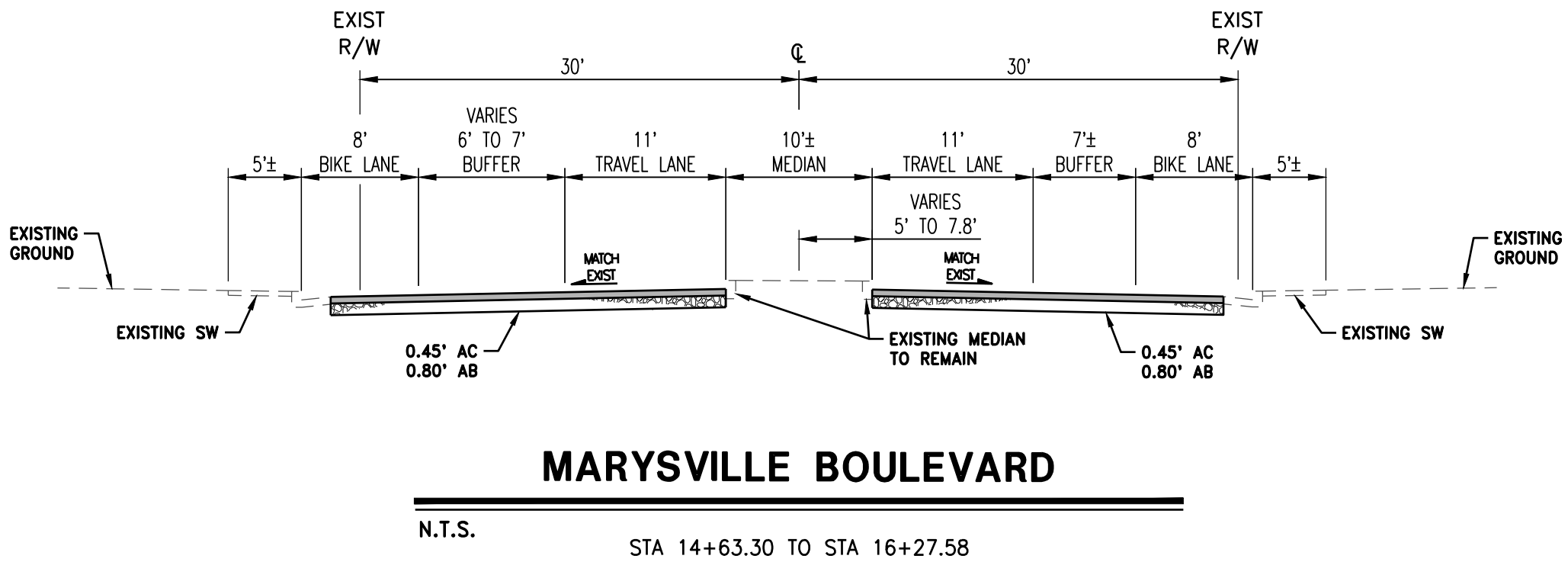
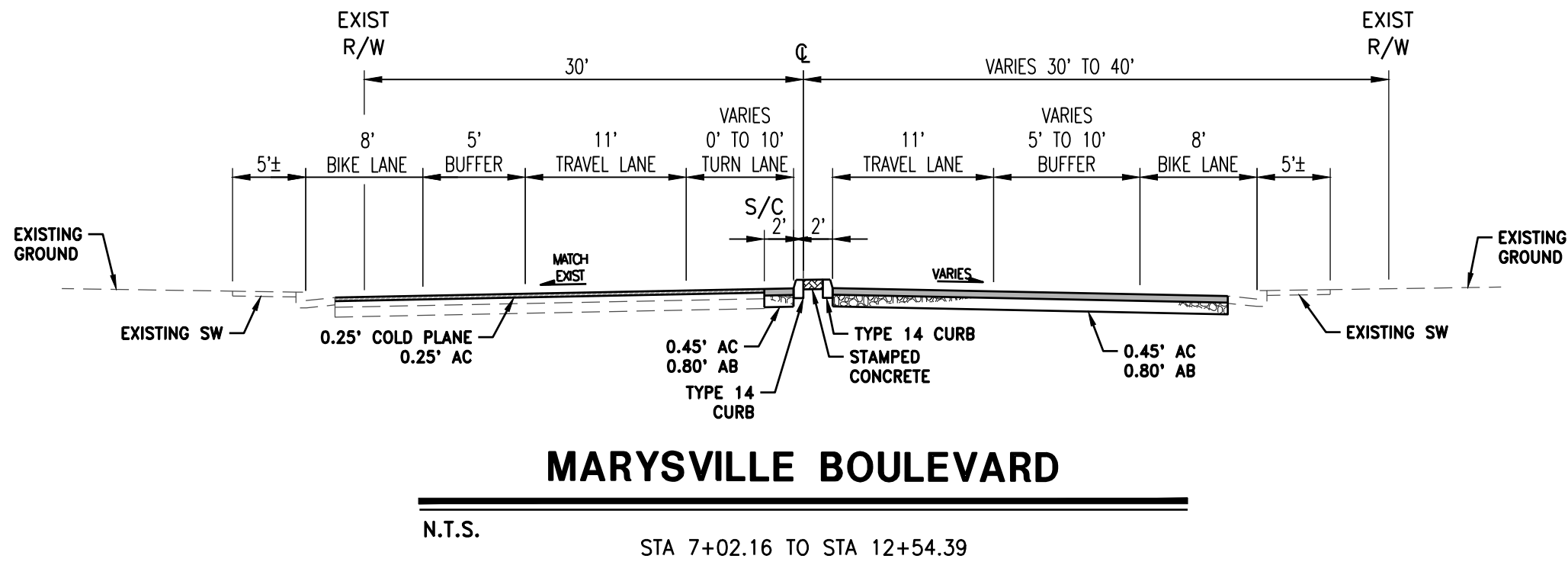
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DWG. NO. T8-1  
SHEET 1 OF 18

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CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		
DRAWN BY: J. EVANS DATE: OCTOBER 2024	DESIGNED BY: A. WONG R.C.E. NO. 89091 DATE:	CHECKED BY: J. PANGBURN R.C.E. NO. 71445 DATE:

WOOD RODGERS REGISTERED PROFESSIONAL ENGINEER 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767
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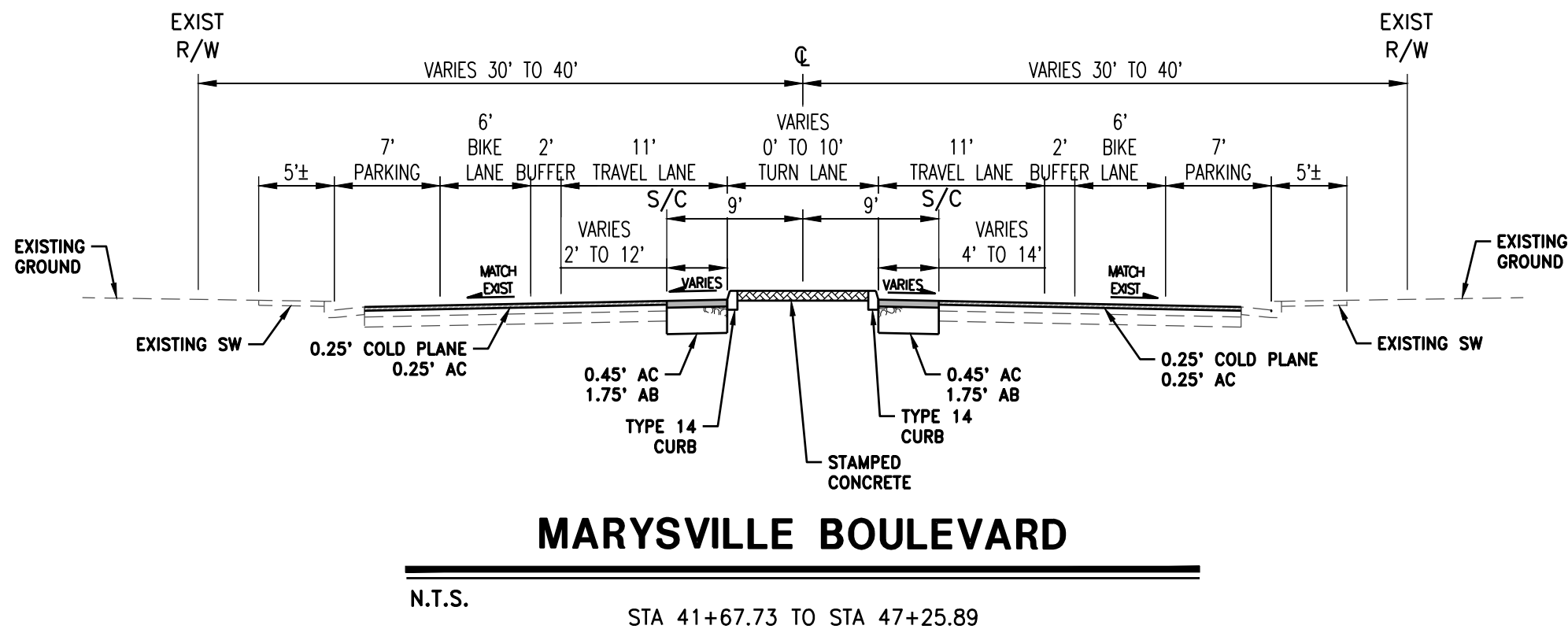
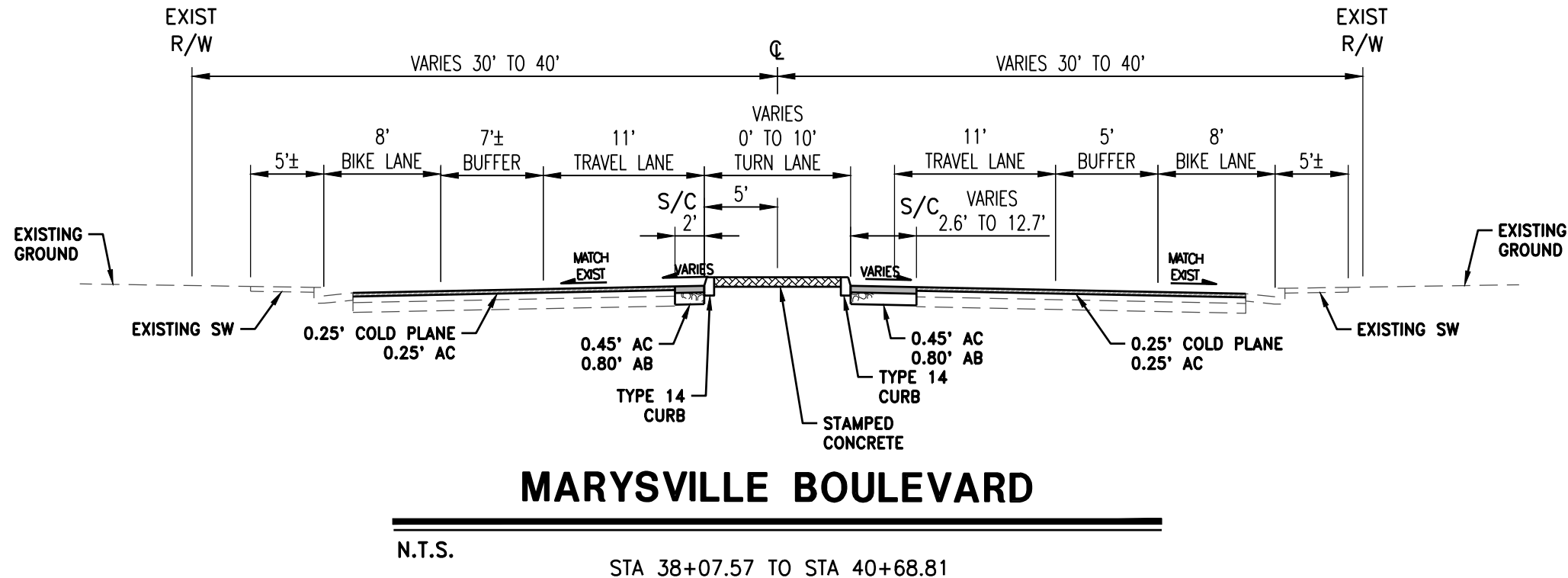
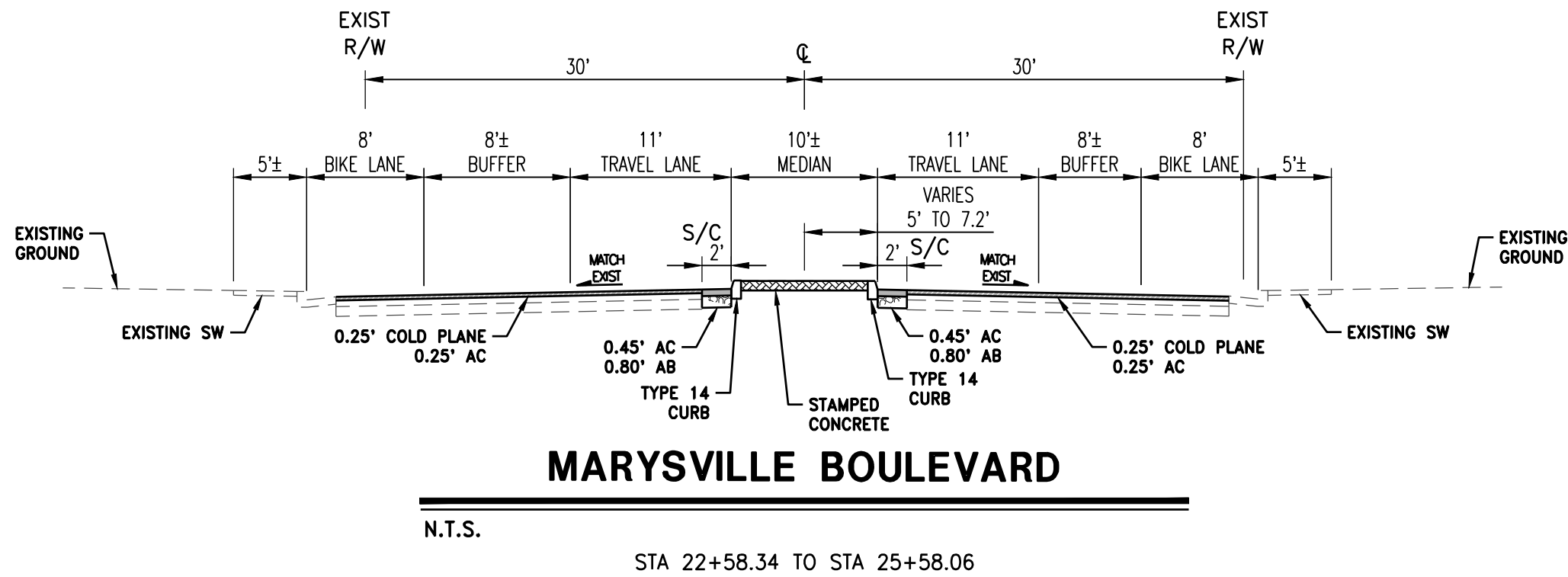
IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT	
STREET SECTIONS AND DETAILS	

DWG. NO. 8D-1	SHEET 2
OF 18	





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SCALE: H: N/A V: N/A
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1"  
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: OCTOBER 2024

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

DATE:

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R.C.E. NO. 71445

DATE:

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IMPROVEMENT PLANS FOR  
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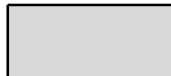
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DWG. NO. SD-2
SHEET 3
OF 18

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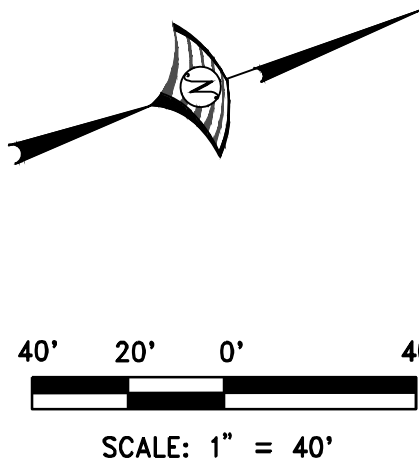
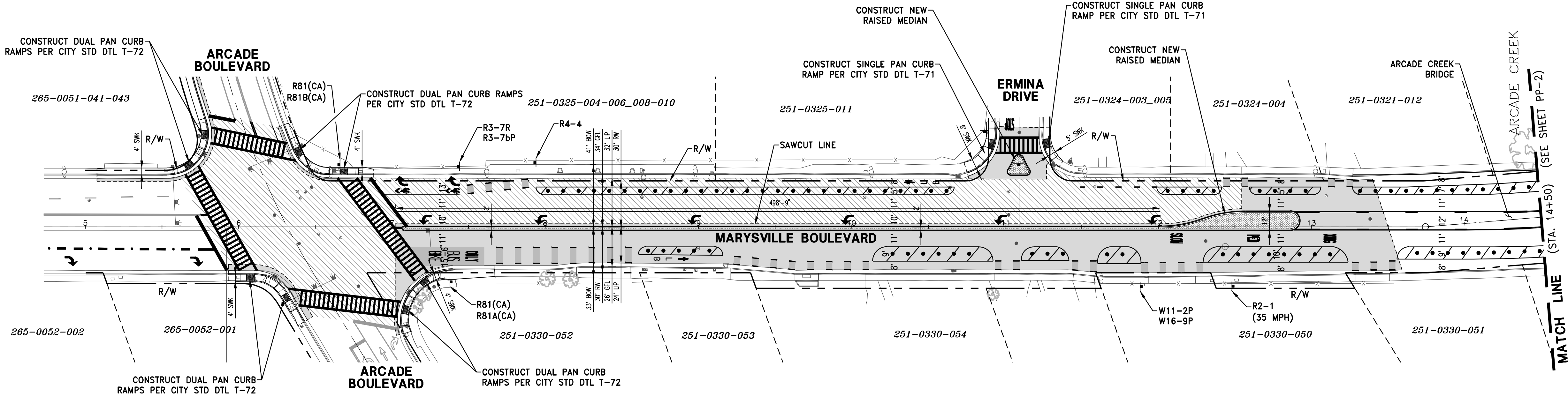
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COLD PLANE AND  
AC OVERLAY AREA



TYPE K71 DELINEATOR POST

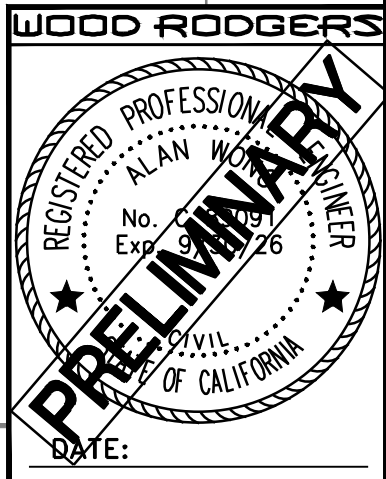
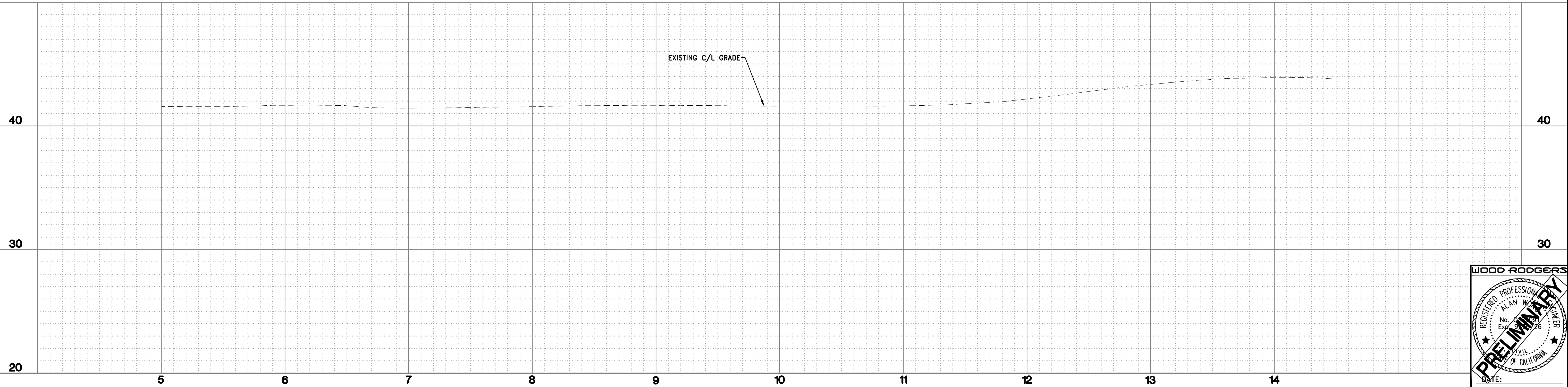


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EXISTING C/L GRADE



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: OCTOBER 2024

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

CHECKED BY: J. PANGBURN  
R.C.E. NO. 71445 DATE:

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Tel 916.341.7760  
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IMPROVEMENT PLANS FOR  
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT

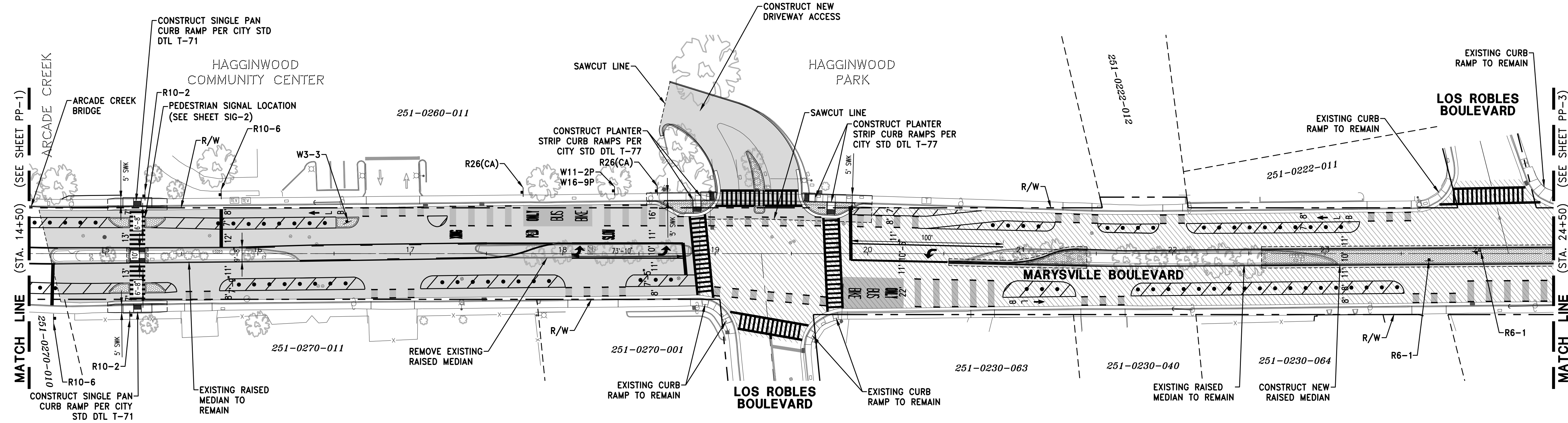
MARYSVILLE BLVD (STA 5+00 TO 14+50)

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



LEGEND:

- NEW PAVEMENT AREA
- STAMPED CONCRETE AREA
- COLD PLANE AND AC OVERLAY AREA
- TYPE K71 DELINEATOR POST

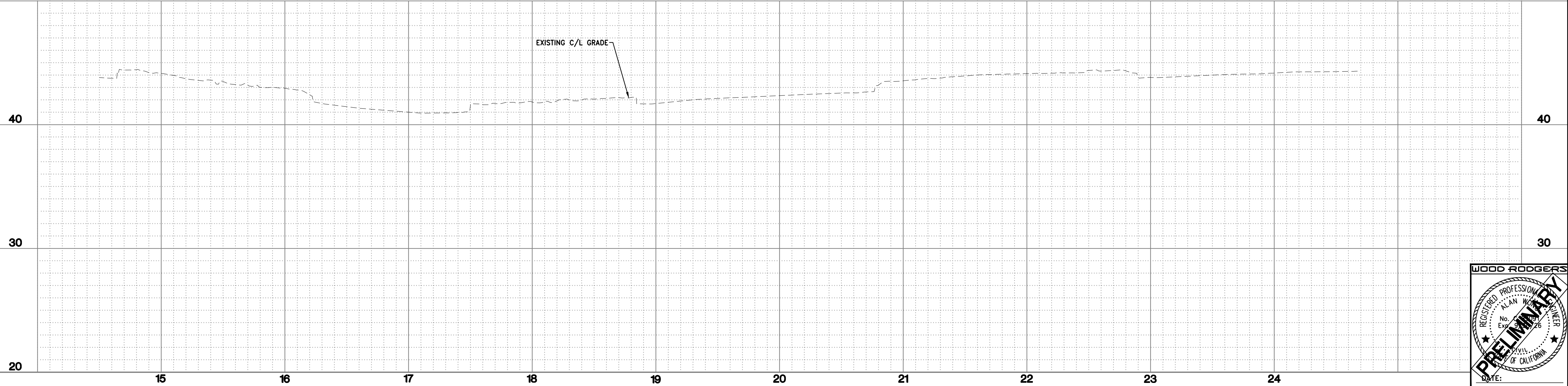


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PROP. C GRADES



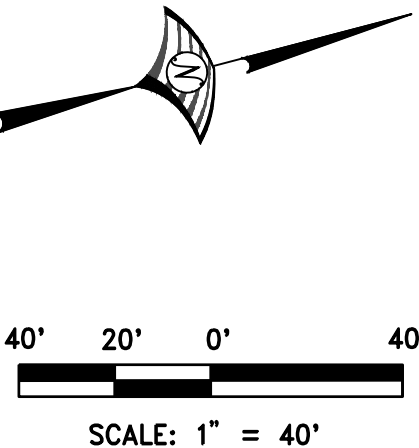
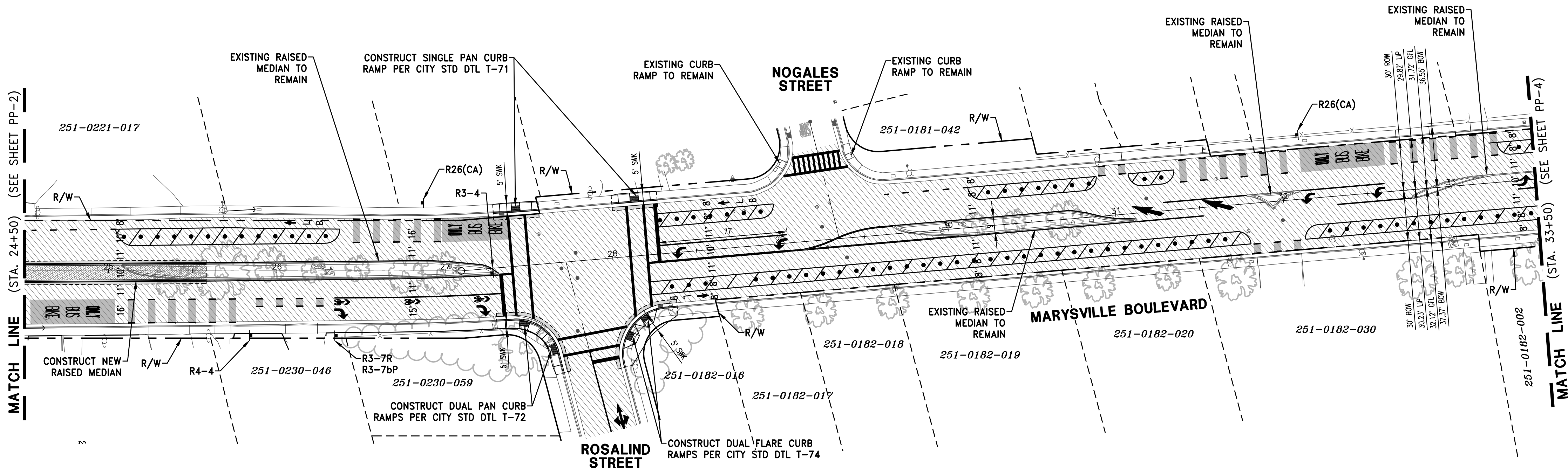
REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAVD88)		SCALE: 1"=40'		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS REGISTERED PROFESSIONAL ENGINEER ALAN WONG No. 10000 Exp. 12/31/26 SACRAMENTO, CALIFORNIA DATE: _____			IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT MARYSVILLE BLVD (STA 14+50 TO 24+50)			DWG. NO. PP-2 SHEET 5 OF 18 PN: T15216300	
NO.	DESCRIPTION	DATE	BY	DESCRIPTION:		DRAWING ADJUST		DRAWN BY: J. EVANS			DESIGNED BY: A. WONG			CHECKED BY: J. PANGBURN			DATE: OCTOBER 2024	
				BENCHMARK NO. 278-A4D,		HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT		DATE: _____			R.C.E. NO. 89091			R.C.E. NO. 71445			DATE: _____	
				BASE, NE CORNER MARYSVILLE BLVD. AND		IF THIS DOES NOT		ON ORIGINAL SCALE			BUILDING RELATIONSHIPS ONE PROJECT AT A TIME			3301 C St, Bldg. 100-B			Tel 916.341.7760	
				ARCADE BLVD.		SCALE AT 1"		Fax 916.341.7767			Sacramento, CA 95816							

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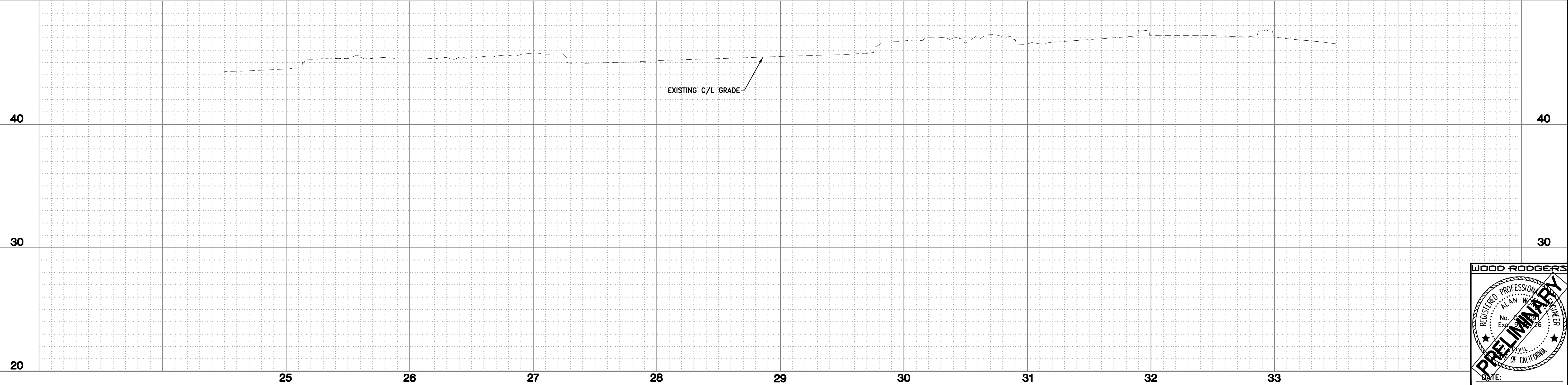


LEGEND:

- NEW PAVEMENT AREA
- STAMPED CONCRETE AREA
- COLD PLANE AND AC OVERLAY AREA
- TYPE K71 DELINEATOR POST



EXIST C/L GRADES  
PROP C/L GRADES



REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK ELEV. 41.48 FT.(NAV088)  
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BENCHMARK NO. 278-A4D,  
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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

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

CHECKED BY: J. PANGBURN  
R.C.E. NO. 71445 DATE:

WOOD RODGERS

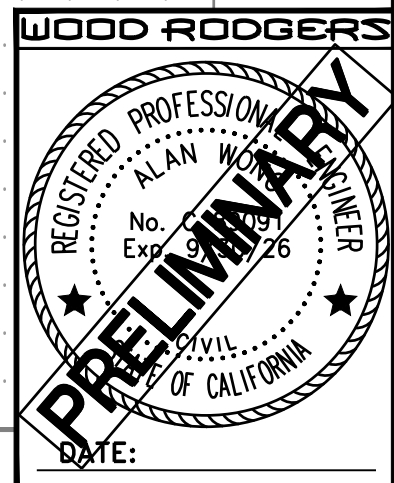
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME

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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 33+50)

PN: T15216300  
DWG. NO. PP-3  
SHEET 6  
OF 18

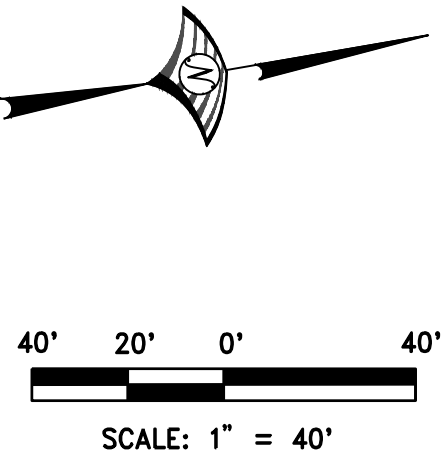
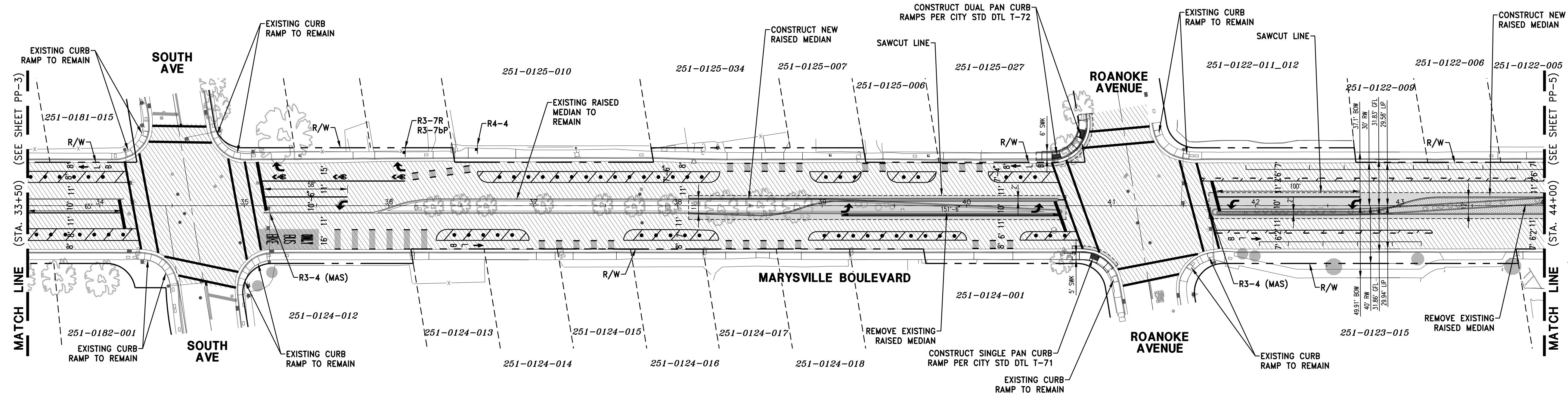
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LEGEND:

- NEW PAVEMENT AREA
- STAMPED CONCRETE AREA
- COLD PLANE AND AC OVERLAY AREA
- TYPE K71 DELINEATOR POST

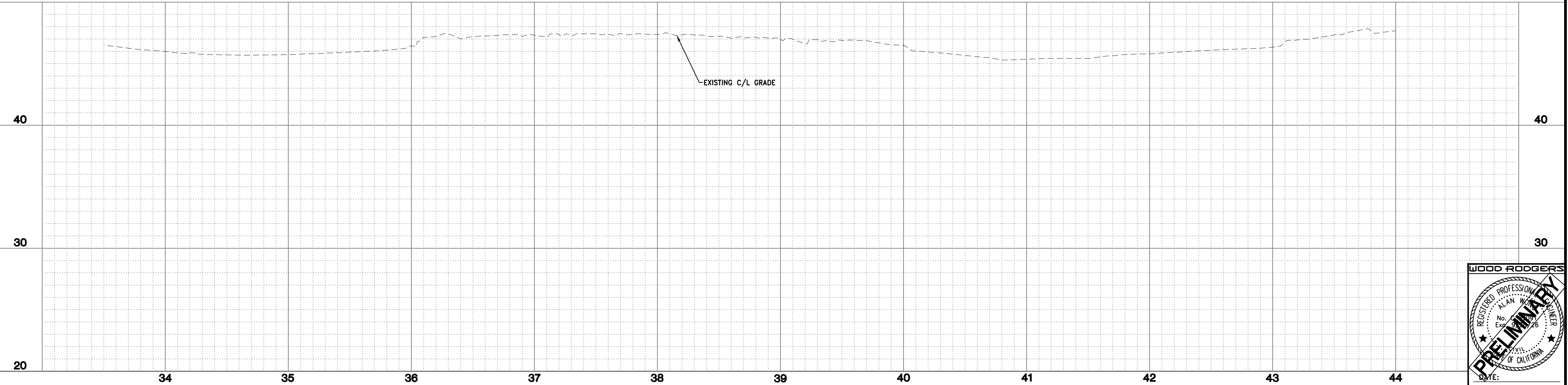


EXIST C GRADES



46.5 46.0 45.7 45.7 45.9 46.5 47.2 47.3 47.4 47.4 47.2 47.0 46.9 46.5 45.7 45.4 45.4 45.8 46.1 46.4 47.3 47.7

PROP C GRADES



REVISIONS				BENCH MARK ELEV. <u>41.48 FT.(NAV88)</u>		<div>1"</div>		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			<div>WOOD RODGERS</div> <div>BUILDING RELATIONSHIPS ONE PROJECT AT A TIME</div> <div>3901 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767</div>		IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		DWG. NO. <b>PP-4</b>		
NO.	DESCRIPTION	DATE	BY	DESCRIPTION:		SCALE:		DRAWN BY: <u>J. EVANS</u>		DESIGNED BY: <u>A. WONG</u>		CHECKED BY: <u>J. PANGBURN</u>		MARYSVILLE BLVD (STA 33+50 TO 44+00)		SHEET <b>7</b>	
				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"		DATE: <u>OCTOBER 2024</u>		R.C.E. NO. <u>89091</u> DATE: _____		R.C.E. NO. <u>71445</u> DATE: _____				OF <b>18</b>	
						H: <u>1"=40'</u>											
						V: <u>1"=4'</u>											



LEGEND:



NEW PAVEMENT AREA



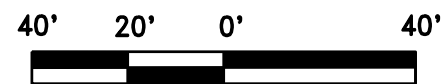
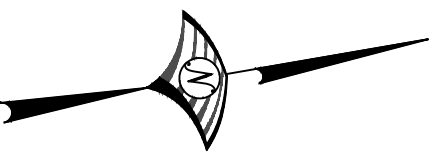
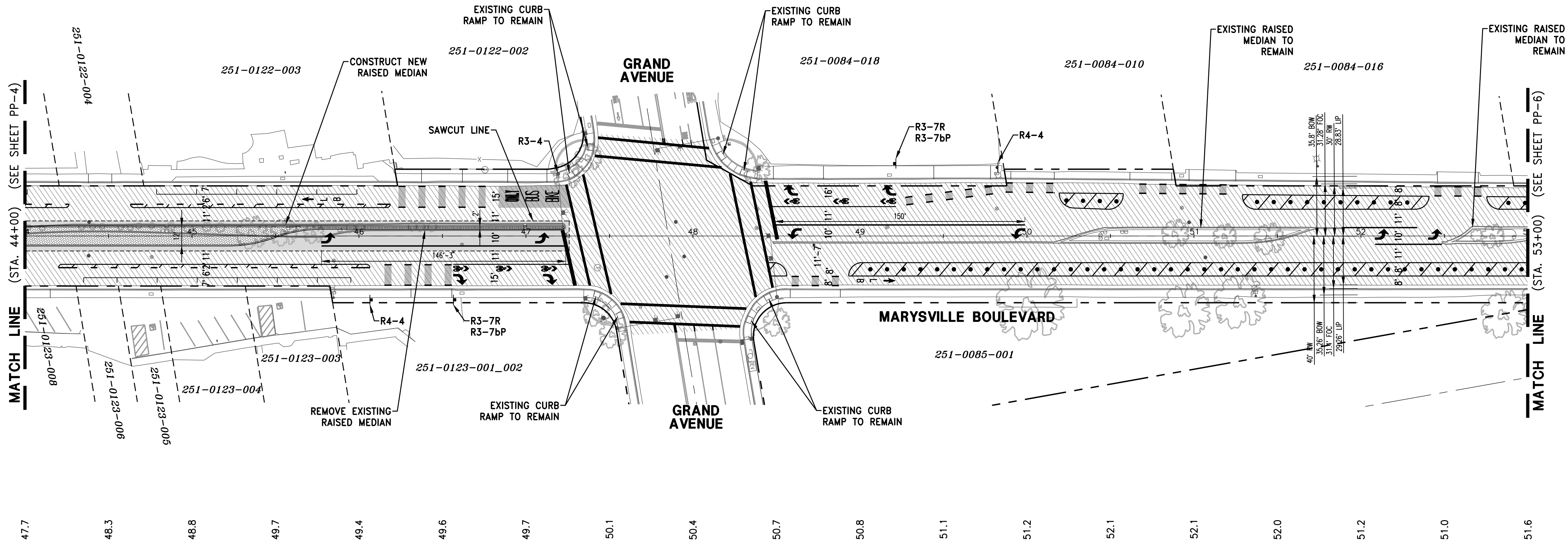
STAMPED CONCRETE AREA



COLD PLANE AND  
AC OVERLAY AREA



TYPE K71 DELINEATOR POST

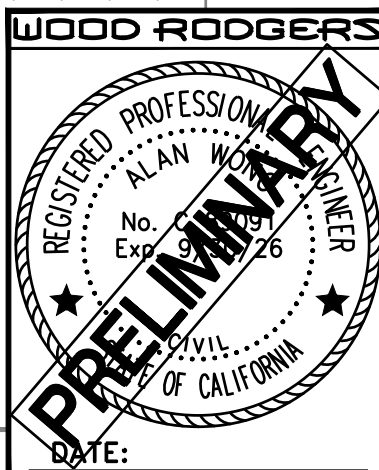
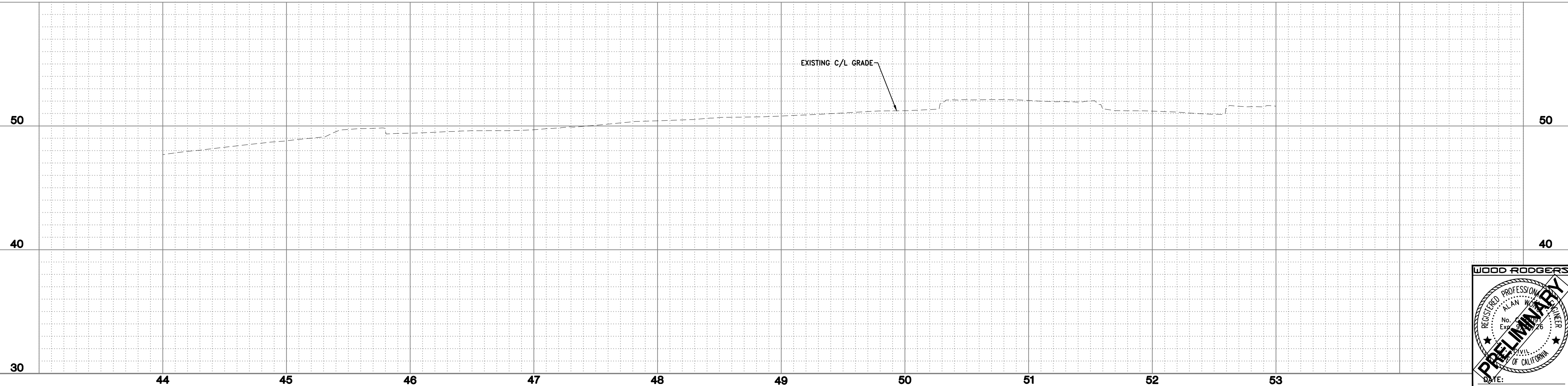


SCALE: 1" = 40'

EXIST C GRADES  
PROP C GRADES



EXISTING C/L GRADE



REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK ELEV. 41.48 FT.(NAVD88)  
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: OCTOBER 2024

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

CHECKED BY: J. PANGBURN  
R.C.E. NO. 71445 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+00 TO 53+00)

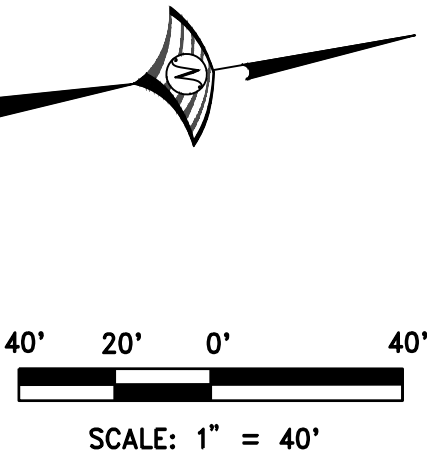
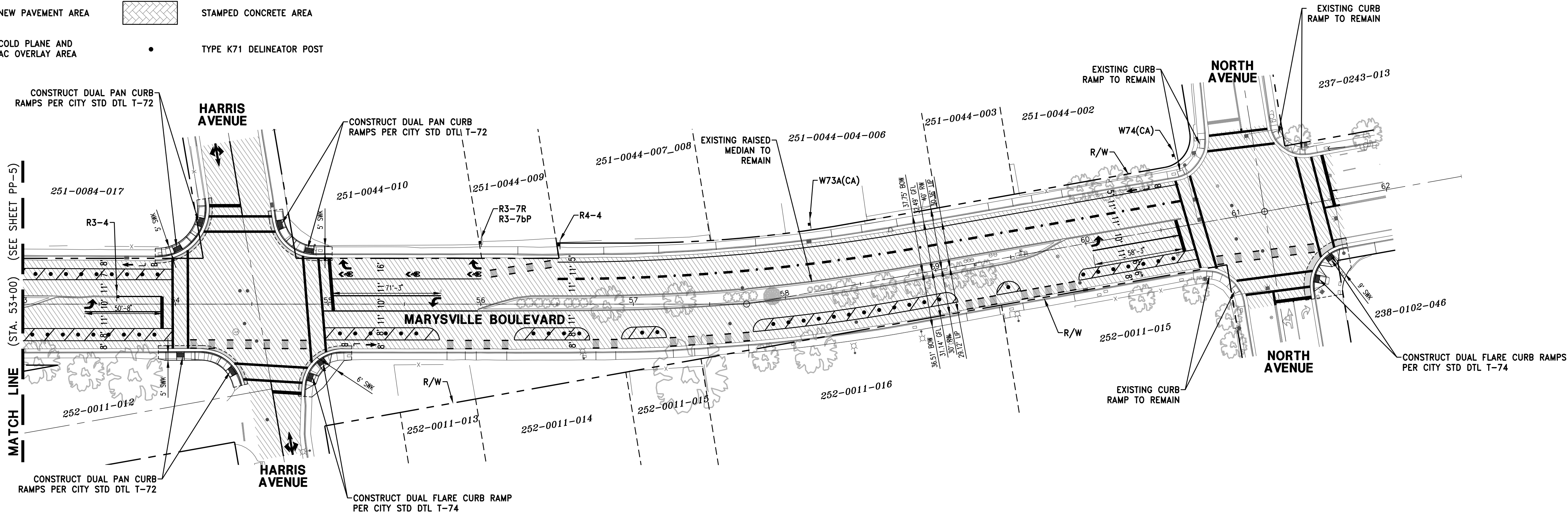
PN: T15216300	DWG. NO.
	PP-5
	SHEET
8	
OF	
18	

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LEGEND:

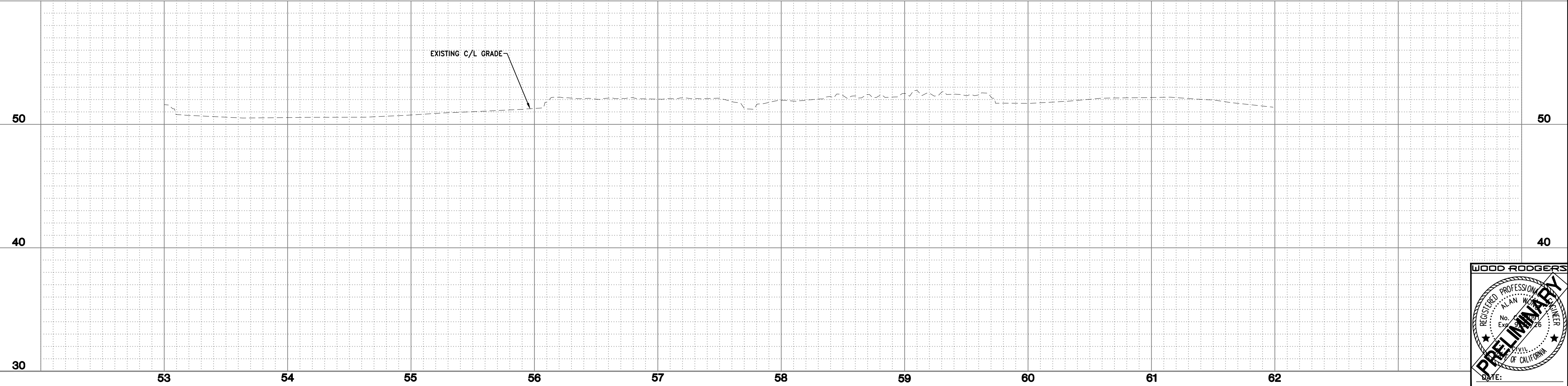
- NEW PAVEMENT AREA
- STAMPED CONCRETE AREA
- COLD PLANE AND AC OVERLAY AREA
- TYPE K71 DELINEATOR POST



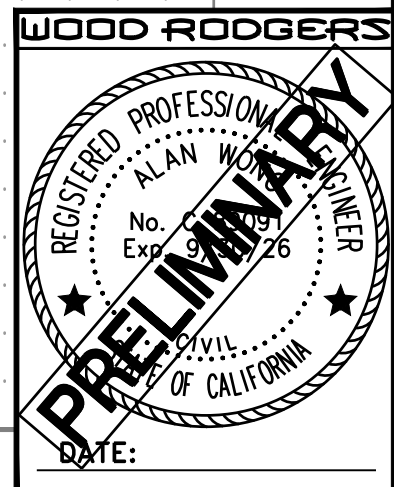
EXIST C GRADES  
PROP C GRADES



51.6 50.6 50.6 50.6 50.8 51.0 51.3 52.0 52.0 52.1 52.0 52.3 52.5 52.3 51.7 52.0 52.2 52.0

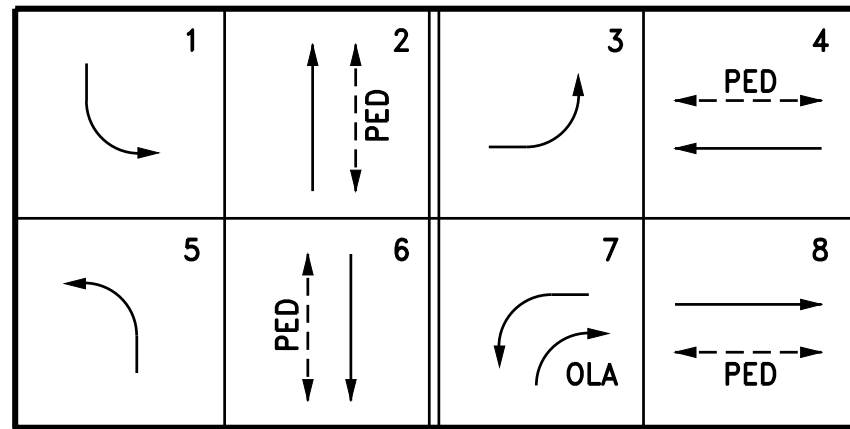


REVISIONS			BENCH MARK ELEV. 41.48 FT.(NAV088)		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		WOOD RODGERS		IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		DWG. NO. PP-6 SHEET 9 OF 18	
NO.	DESCRIPTION	DATE	BY	DESCRIPTION:	SCALE:	DATE	DESIGNED BY	CHECKED BY	MARYSVILLE BLVD (STA 53+00 TO 62+50)		DATE	
				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'	OCTOBER 2024	A. WONG	J. PANGBURN			T15216300	



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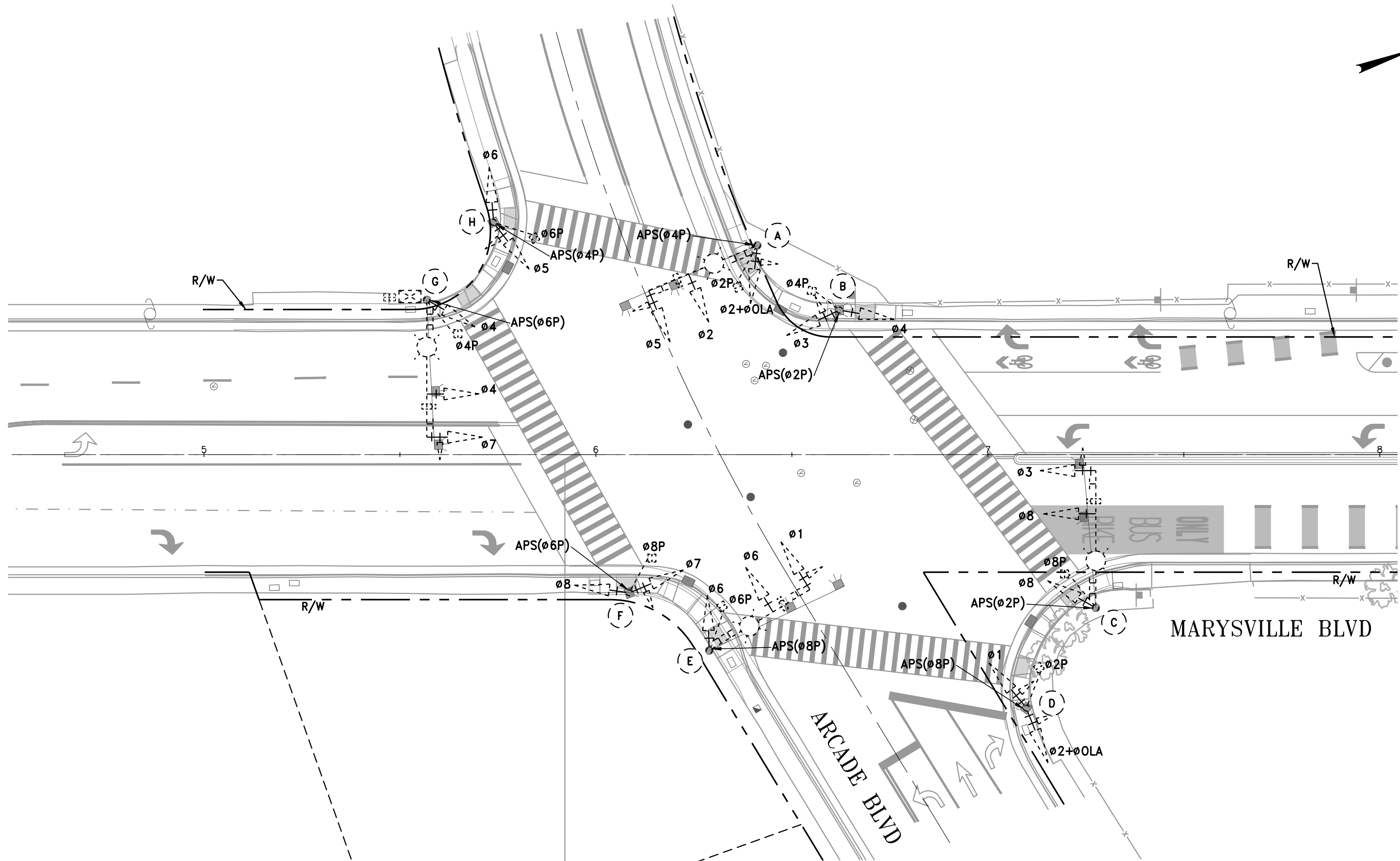




**EXISTING PHASE DIAGRAM**  
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA  
(NO CHANGE)  
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH  
ARCADE BOULEVARD = 40 MPH

- LEGEND:**
- CITY MAST ARM LUMINAIRE
  - VIDEO DETECTION CAMERA
  - PAN-TILT-ZOOM CAMERA
  - VIDEO DETECTION ZONE (VEHICLE)

- ELECTRICAL GENERAL NOTES:**
- 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.
  - SIGNAL STANDARD, CONDUIT, PULL BOX, AND DETECTOR LOCATIONS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
  - THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.
  - THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR COORDINATING STRIPING AND SIGNING WITH THE ELECTRICAL WORK IN THESE PLANS.
  - ALL CONDUITS SHALL BE 2" SCHEDULE 40 PVC. UNLESS OTHERWISE NOTED.
  - ALL CONDUITS SHALL HAVE A MINIMUM OF 24" OF COVER UNDER PAVEMENT.
  - CONDUCTOR INSULATION SHALL BE THW.
  - ALL PULL BOXES SHALL BE No.5 UNLESS OTHERWISE NOTED.
  - 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.
  - PLACE ALL HAND HOLES A MINIMUM DISTANCE OF 6' FROM THE EDGE OF PAVEMENT.
  - DETECTOR CABLES SHALL BE SHIELDED 2 TWISTED PAIR #18 CANOGA 30003, OR APPROVED ALTERNATIVE.
  - DETECTOR LOOP SHALL BE 6'X6' UNLESS OTHERWISE NOTED. FOR LANES LESS THAN 11' WIDE, USE 5'X5'.
  - NO PULL BOX SHALL BE PLACED WITHIN CURB RAMP AREA.
  - CONTRACTOR SHALL IDENTIFY EXISTING UNDERGROUND UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
  - CONTRACTOR SHALL PROVIDE CITY APPROVED EQUIPMENT AS SPECIFIED IN THIS PROJECTS ELECTRICAL SPECIAL PROVISIONS.
  - NIGHT WORK MAY BE REQUIRED FOR THIS PROJECT, AS DIRECTED BY THE CITY.
  - ALL POLE AND DETECTOR LOCATIONS, STRIPING, PAVEMENT MARKINGS TO BE LAID OUT BY THE CONTRACTOR, SUBJECT TO APPROVAL BY THE ENGINEER.
  - ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.

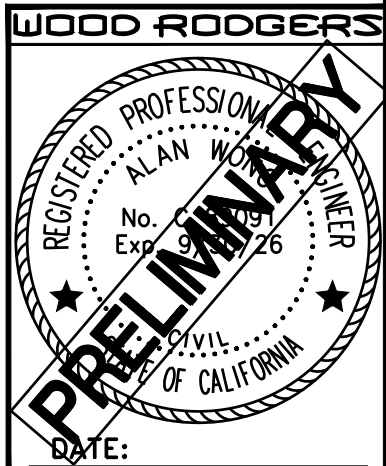


POLE AND EQUIPMENT SCHEDULE													
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB	MAST ARM LENGTH		NOTES	
		Ø	TYPE**	SEC	MTG.	Ø	TYPE	MTG.	Ø	ARROW	TRAFFIC SIGNAL		STREET LIGHTING
(A)	EXISTING 19-3-70	5	1W3L	12	MAS	2	1W2L	SP-1-T	4	←	30'	8'	
(B)	EXISTING 1-B	4	1W3L	12	MAS	4	1W2L	SP-1-T	2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


CONTRACTOR-FURNISHED NEW EQUIPMENT RETROFITTED/RE-USED EQUIPMENT

"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.  
"B" INDICATES 5-SECTION VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW, AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS.  
\*\* 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.

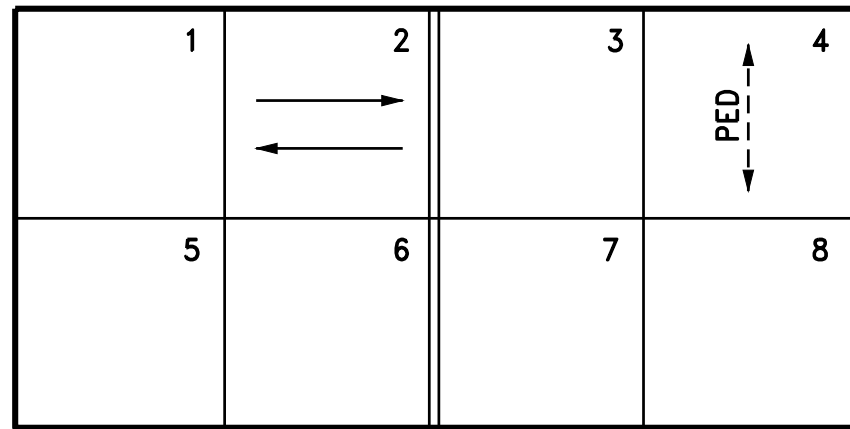
ACCEPTED BY:  
JOHN MATOBA, P.E. E-16605 DATE  
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



30% CONCEPTUAL DESIGN

REVISIONS				BENCH MARK ELEV. <u>41.48 FT.(NAVD88)</u>	<div><div></div><div>1"</div></div>	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS	<div><div></div><div>WOOD RODGERS</div><div>BUILDING RELATIONSHIPS ONE PROJECT AT A TIME</div><div>3301 C St, Bldg. 100-B</div><div>Sacramento, CA 95816</div><div>Tel 916.341.7760</div><div>Fax 916.341.7767</div></div>	IMPROVEMENT PLANS FOR		DWG. NO. <b>SIG-1</b>
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>L. EVANS</u> DATE: <u>OCTOBER 2024</u>	DESIGNED BY: <u>A. WONG</u> R.C.E. NO. <u>89091</u> DATE: _____	CHECKED BY: <u>J. PANGBURN</u> R.C.E. NO. <u>71445</u> DATE: _____	TRAFFIC SIGNAL MODIFICATION PLAN ARCADE BLVD. AND MARYSVILLE BLVD.	OF <b>18</b>
										PN: T15216300



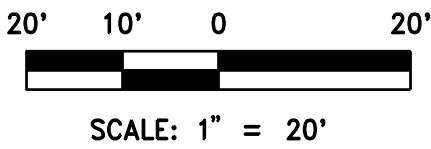
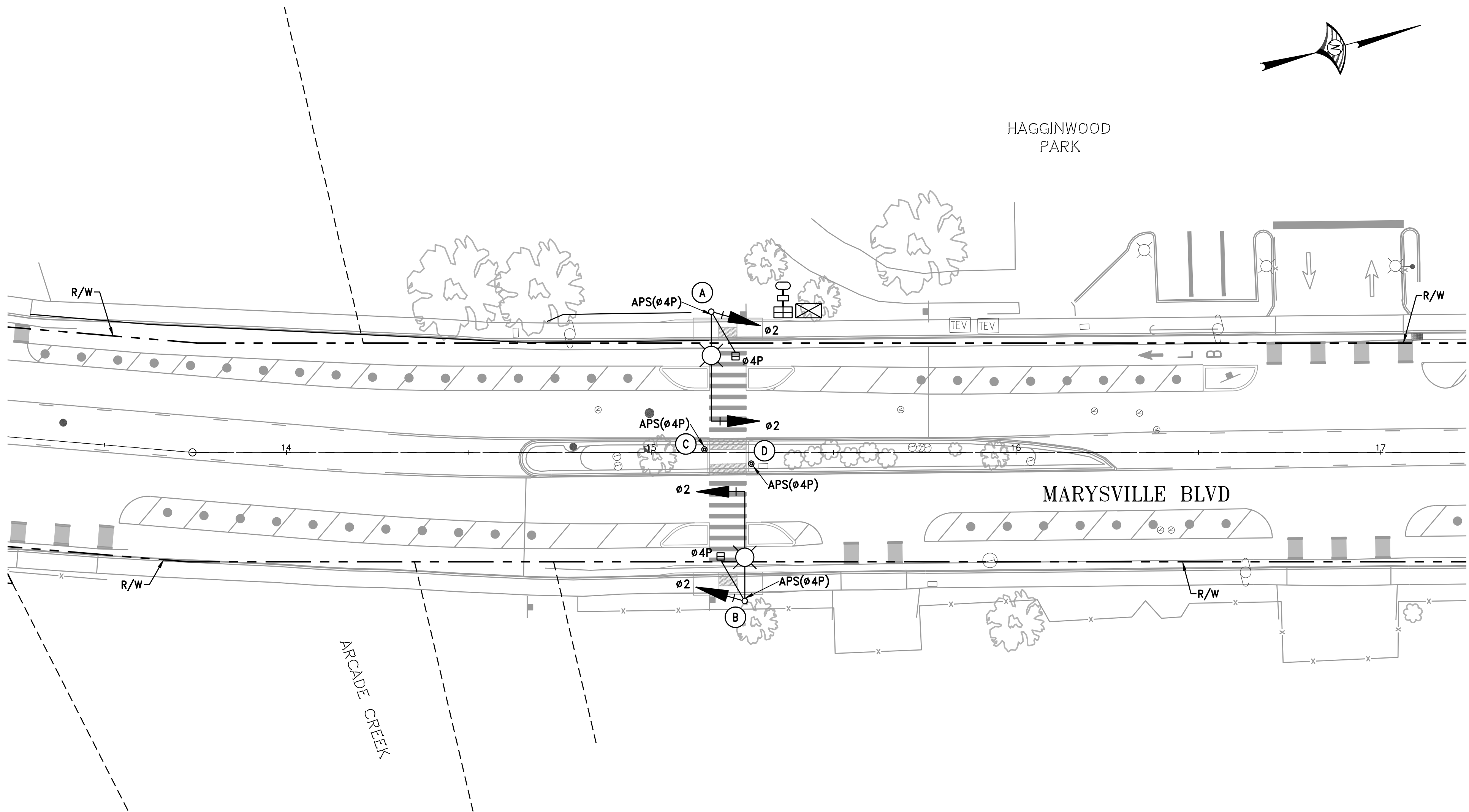


PROPOSED PHASE DIAGRAM  
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA  
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH

POLE AND EQUIPMENT SCHEDULE												
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB	MAST ARM LENGTH		NOTES
		Ø	TYPE**	SEC	MTG.	Ø	TYPE	MTG.		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							
(C)	NEW PBA								4	→		
(D)	NEW PBA								4	→		

\*\* 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

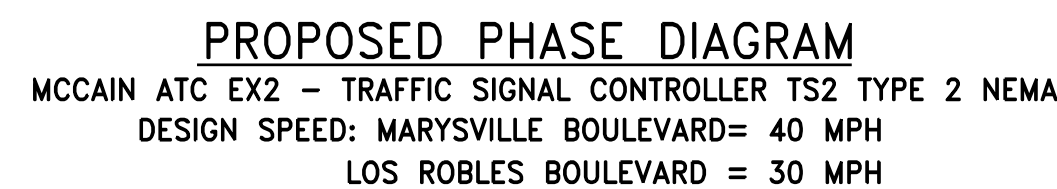
ACCEPTED BY: \_\_\_\_\_  
JOHN MATOBA, P.E. E-16605 DATE \_\_\_\_\_  
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



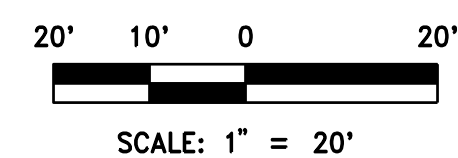
REVISIONS			BENCH MARK ELEV. 41.48 FT.(NAVD88)		1"		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767		IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		PN: T15216300 DWG. NO. SIG-2 SHEET 11 OF 18
NO.	DESCRIPTION	DATE	BY	DESCRIPTION:	SCALE:	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	DRAWN BY: J. EVANS	DESIGNED BY: A. WONG	CHECKED BY: J. PANGBURN	TRAFFIC SIGNAL INSTALLATION PLAN HAGGINWOOD PARK PEDESTRIAN SIGNAL				
				HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.	H: 1"=20' V: N/A		DATE: OCTOBER 2024	R.C.E. NO. 89091 DATE:	R.C.E. NO. 71445 DATE:					

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



## 30% CONCEPTUAL DESIGN

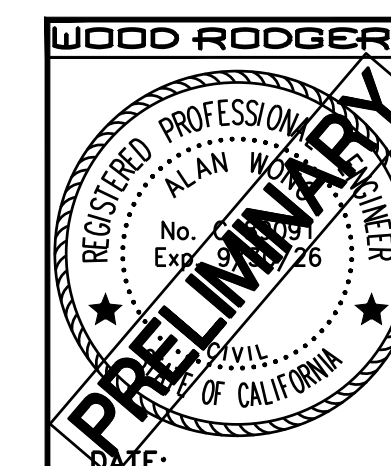
 CONTRACTOR-FURNISHED NEW EQUIPMENT
  EXISTING EQUIPMENT TO BE REMOVED



"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.

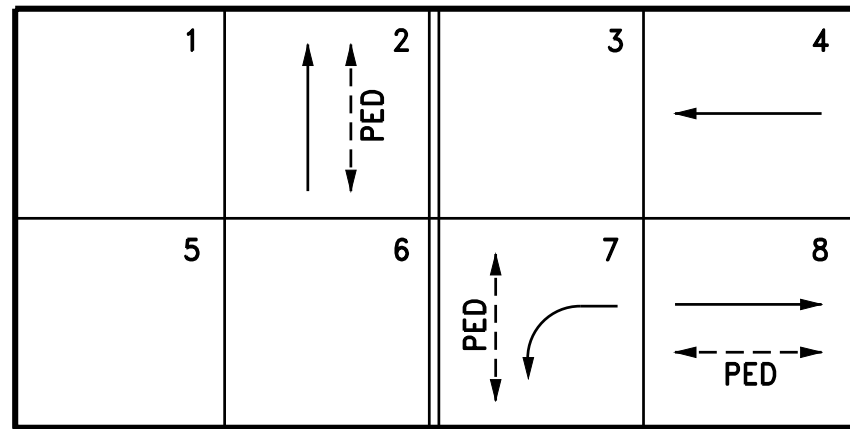
**ACCEPTED BY:**

JOHN MATOBA, P.E. E-16605 DATE  
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



<b>REVISIONS</b> NO.      DESCRIPTION      DATE      BY				BENCH MARK ELEV. <u>41.48 FT.(NAVDD88)</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"=20' V: N/A				<b>CITY OF SACRAMENTO</b> <b>DEPARTMENT OF PUBLIC WORKS</b>				 <b>WOOD ROGERS</b> <small>BUILDING RELATIONSHIPS ONE PROJECT AT A TIME</small> 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7797		IMPROVEMENT PLANS FOR <b>MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT</b>  <b>TRAFFIC SIGNAL MODIFICATION PLAN</b> <b>LOS ROBLES BLVD. AND MARYSVILLE BLVD.</b>				DWG. NO. <b>SIG-3</b> SHEET NO. <b>12</b> OF <b>18</b>	PIN: T15216300
--	--	--	--	---	--	-------------------------------	--	---	--	--	--	--	--	--	--	--	--	--	--	--	----------------





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

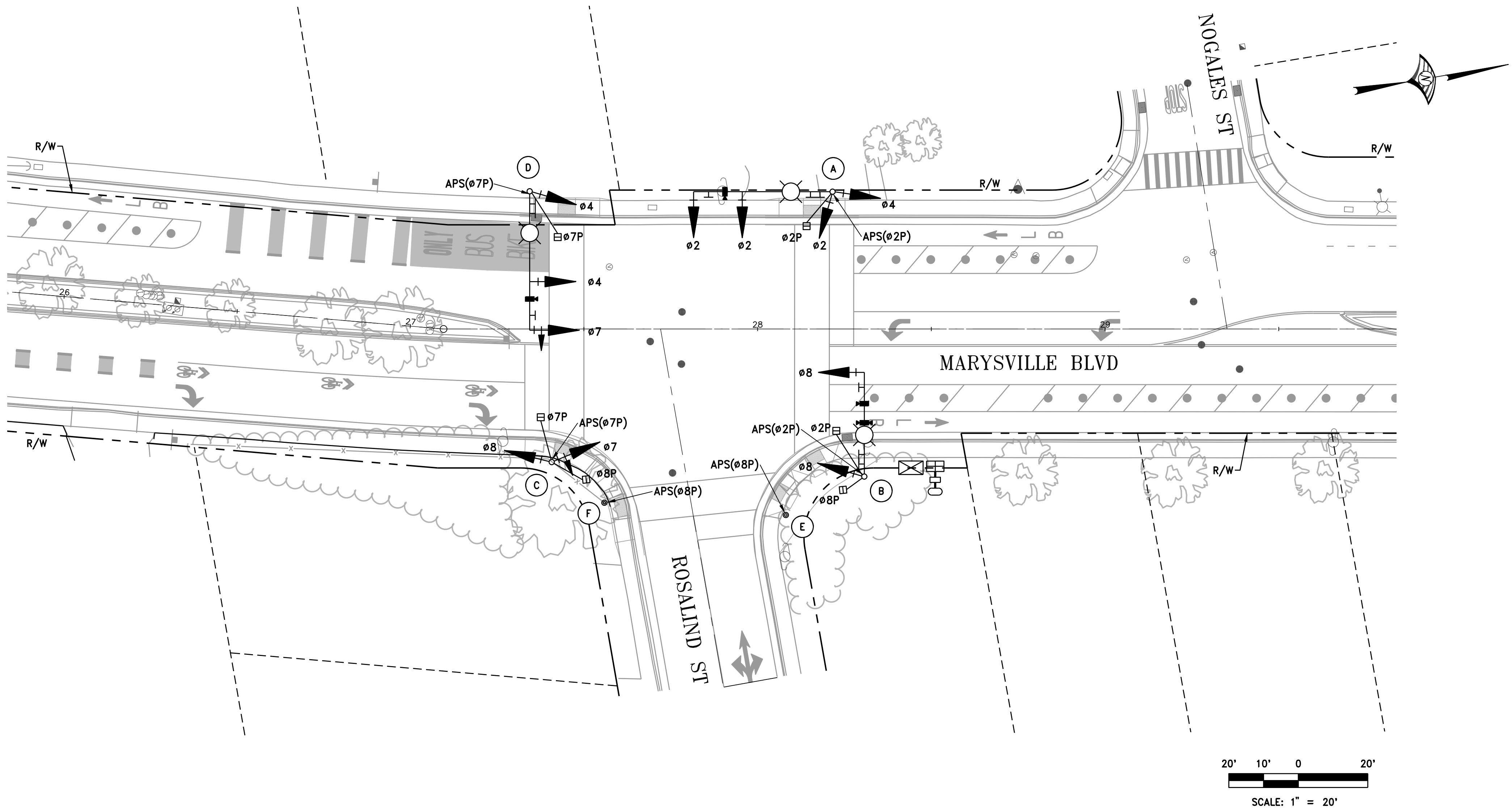
POLE AND EQUIPMENT SCHEDULE													
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB	MAST ARM LENGTH		NOTES	
		ø	TYPE**	SEC	MTG.	ø	TYPE	MTG.	ø	ARROW	TRAFFIC SIGNAL		STREET LIGHTING
(A)	NEW 26-3-100	2	1W3L	12"	MAS	2	1W2L	SP-1-T	2	←	40'	12'	
		2	1W3L	12"	MAS								
		2	1W3L	12"	SV-2-TA			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

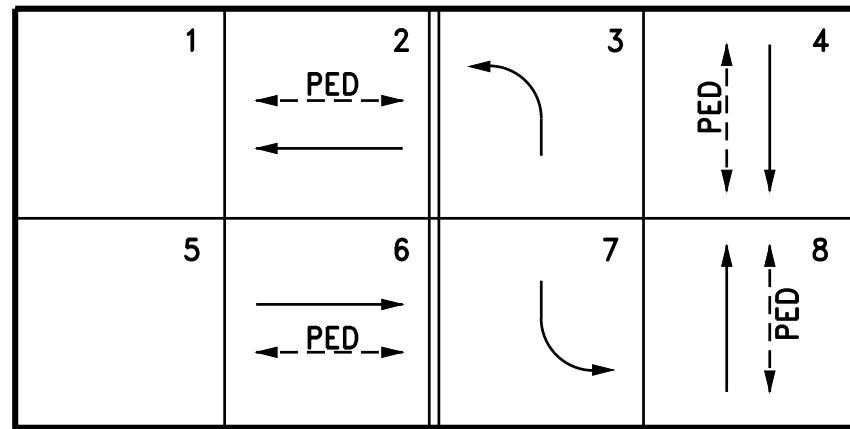
ACCEPTED BY: \_\_\_\_\_  
JOHN MATOBA, P.E. E-16605 DATE \_\_\_\_\_  
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



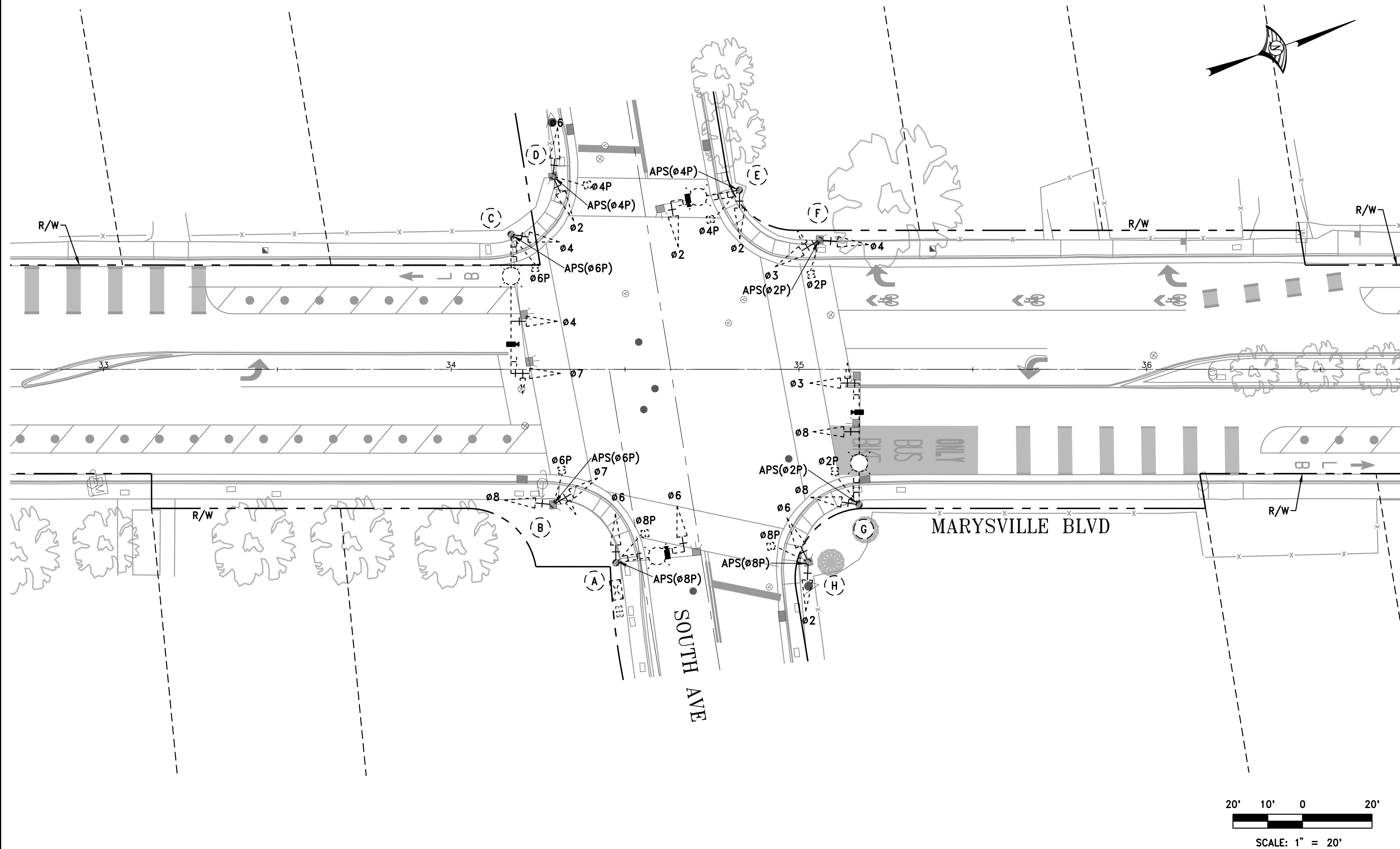
REVISIONS			BENCH MARK ELEV. 41.48 FT.(NAVD88)		1"		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767		IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		DWG. NO. SIG-4 SHEET 13 OF 18	
NO.	DESCRIPTION	DATE	BY	DESCRIPTION:	SCALE:	ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	DRAWN BY: J. EVANS	DESIGNED BY: A. WONG	CHECKED BY: J. PANGBURN	TRAFFIC SIGNAL INSTALLATION PLAN ROSALIND ST. AND MARYSVILLE BLVD.		DATE: OCTOBER 2024		R.C.E. NO. 89091	
				HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.	H: 1"=20'					DATE: _____		R.C.E. NO. 71445		DATE: _____	
					V: N/A										

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EXISTING PHASE DIAGRAM



30% CONCEPTUAL DESIGN

NOTES:

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

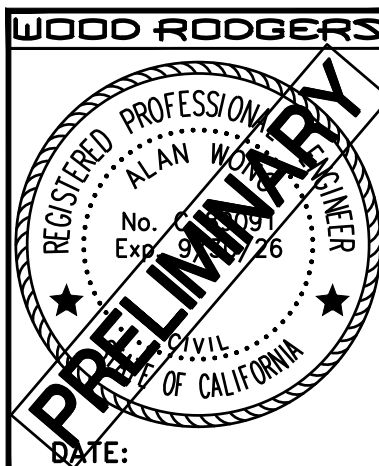
POLE AND EQUIPMENT SCHEDULE													
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB		MAST ARM LENGTH		NOTES
		ø	TYPE**	SEC	MTG.	ø	TYPE	MTG.	ø	ARROW	TRAFFIC SIGNAL	STREET LIGHTING	
(A)	17-2-70	8	1W3L	8	SV-1-T	8	1W2L	SP-1-T	8	←	20'	10'	
(B)	1-8	6	1W3L	12	TV-2-T	6	1W2L	SP-1-T	6	→			
(C)	26-3-70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

CONTRACTOR-FURNISHED NEW EQUIPMENT      RETROFITTED/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:

JOHN MATOBA, P.E. E-16605 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"
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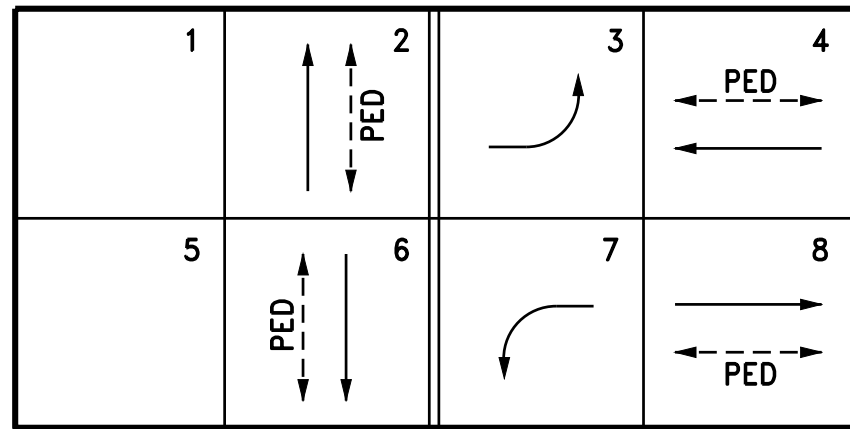
CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			
DRAWN BY: J. EVANS DATE: OCTOBER 2024	DESIGNED BY: A. WONG R.C.E. NO. 89091 DATE:	CHECKED BY: J. PANGBURN R.C.E. NO. 71445 DATE:	

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 SOUTH AVE. AND MARYSVILLE BLVD.	

DWG. NO. SIG-5	OF 14
PN: T15216300	18

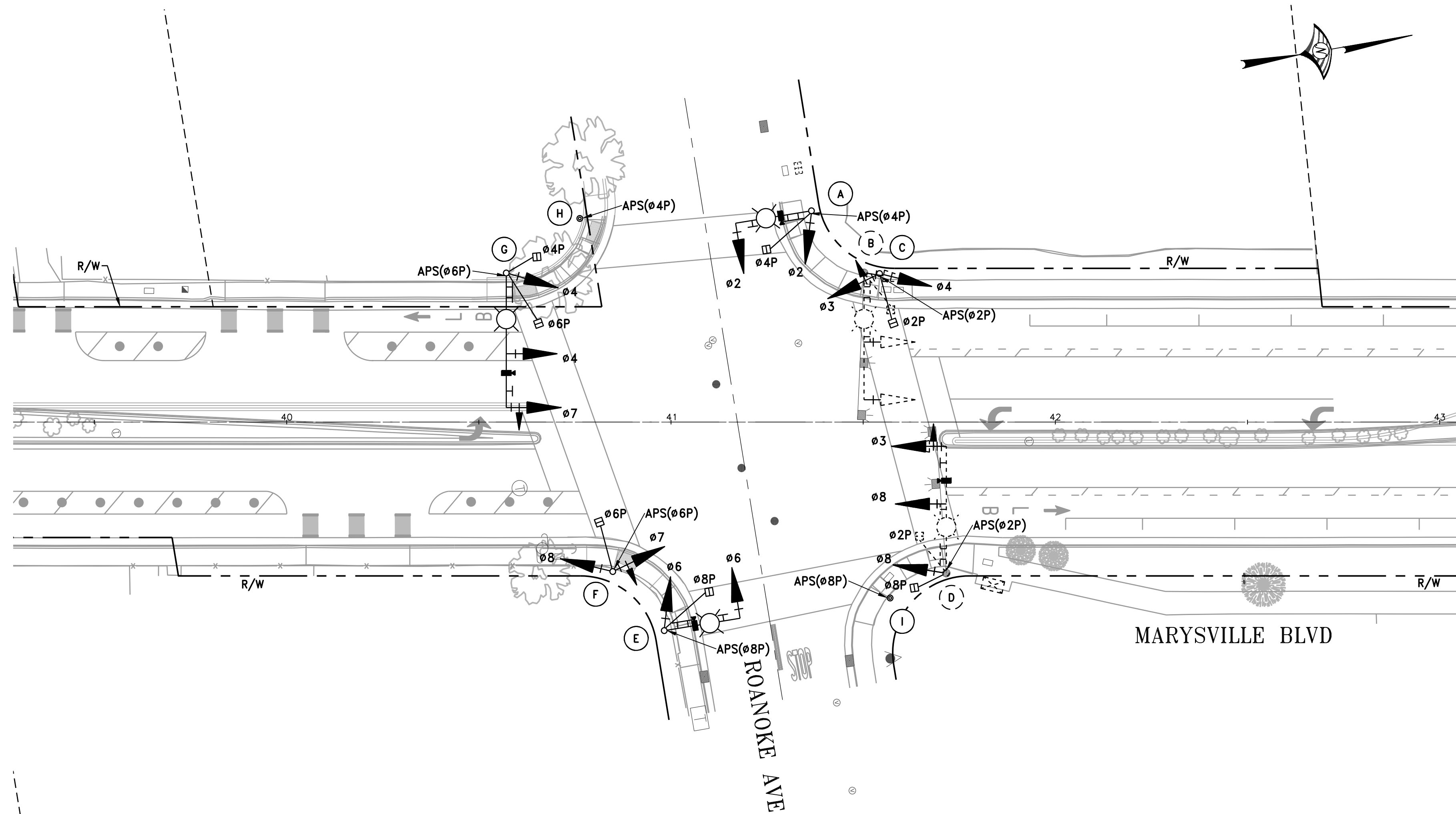




PROPOSED PHASE DIAGRAM  
MCCAIN ATC EX2 - TRAFFIC SIGNAL CONTROLLER TS2 TYPE 2 NEMA  
DESIGN SPEED: MARYSVILLE BOULEVARD= 40 MPH  
ROANOKE AVENUE = 30 MPH

NOTES:

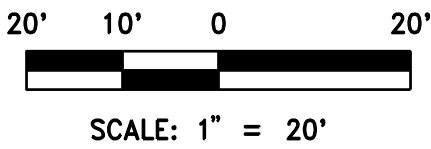
SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



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	4	←	20'	12'			
		4	1W3L	12"	MAS	2	1W2L	SP-1-T	2	←	33'	12'			
		4	1W3L	12"	SV-1-T	2	1W2L	SP-1-T	2	←	33'	12'			
		4	1W3L	12"	MAS	2	1W2L	SP-1-T	2	←	33'	12'			
(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	1W3L	12"	MAS	8	1W2L								
		8	1W3L	12"	SV-1-T										
		(E)	NEW 17-2-100	6	1W3L	12"	MAS	8	1W2L	SP-1-T	8	→	20'	12'	
		(F)	NEW 1-B(10')	6	1W3L	12"	SV-1-T								
7	1W3L			A	SV-2-TA	6	1W2L	SP-1-T	6	→					
(G)	NEW 24-3-100	7	1W3L	A	MAS	4	1W2L	SP-2-T	6	→	35'	12'			
		8	1W3L	12"	MAS	6	1W2L								
		4	1W3L	12"	SV-1-T										
(H)	NEW PBA POST								4	→					
(I)	NEW PBA POST								8	→					

CONTRACTOR-FURNISHED NEW EQUIPMENT  
EXISTING EQUIPMENT TO BE REMOVED

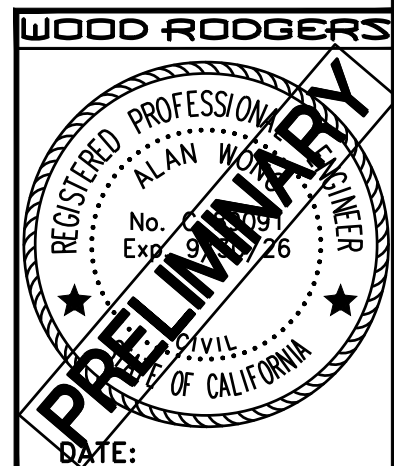
"A" INDICATES 3-SECTION ALL "LEFT-ARROW" VEHICLE SIGNAL HEAD.  
\*\* ALL NEW SIGNAL BACKPLATES SHALL HAVE YELLOW RETRO-REFLECTIVE BORDER PER THE STATE STANDARD.



30% CONCEPTUAL DESIGN

ACCEPTED BY:

JOHN MATOBA, P.E. E-16605 DATE  
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



REVISIONS			
NO.	DESCRIPTION	DATE	BY

BENCH MARK ELEV. 41.48 FT.(NAVD88)
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"
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CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			
DRAWN BY: J. EVANS	DESIGNED BY: A. WONG	CHECKED BY: J. PANGBURN	
DATE: OCTOBER 2024	R.C.E. NO. 89091 DATE:	R.C.E. NO. 71445 DATE:	

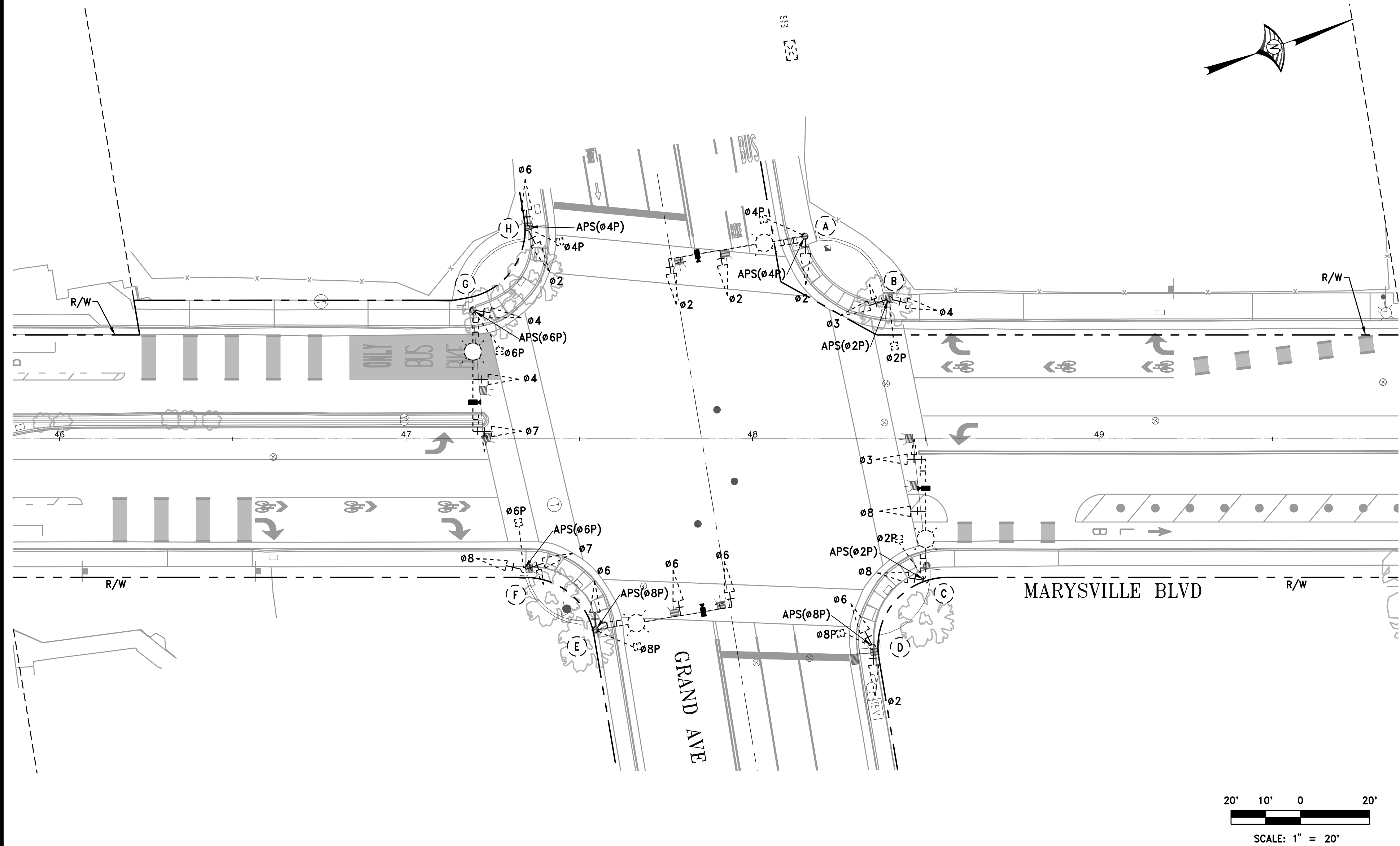
WOOD RODGERS BUILDING RELATIONSHIPS ONE PROJECT AT A TIME 3301 C St, Bldg. 100-B Sacramento, CA 95816 Tel 916.341.7760 Fax 916.341.7767
--

IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT	
TRAFFIC SIGNAL MODIFICATION PLAN ROANOKE AVE. AND MARYSVILLE BLVD.	

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



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

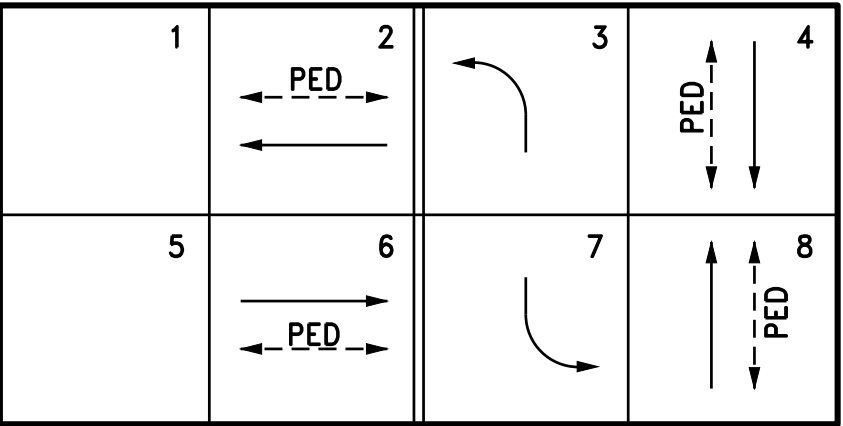


POLE AND EQUIPMENT SCHEDULE											
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL		PPB	MAST ARM LENGTH		NOTES
		Ø	TYPE**	SEC	MTG.	Ø	TYPE		TRAFFIC SIGNAL	STREET LIGHTING	
(A)	26-3-70	Ø6	1W3L	12	MAS	4	1W2L	SP-1-T	4	40'	10'
(B)	1-8	Ø6	1W2L	8	TV-2-T	2	1W2L	SP-1-T	2		
(C)	26	Ø6	1W3L	12	MAS	2	1W2L	SP-1-T	2	35'	10'
(D)	1-8	Ø6	1W3L	8	TV-2-T	8	1W2L	SP-1-T	8		
(E)	26-3-70	Ø6	1W3L	12	MAS	8	1W2L	SP-1-T	8	40'	10'
(F)	1-8	Ø6	1W2L	8	TV-2-T	6	1W2L	SP-1-T	6		
(G)	26	Ø6	1W3L	12	MAS	6	1W2L	SP-1-T	6	35'	10'
(H)	1-8	Ø6	1W3L	8	TV-2-T	4	1W2L	SP-1-T	4		

CONTRACTOR-FURNISHED NEW EQUIPMENT  
RETROFITTED/RE-USED EQUIPMENT

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

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EXISTING PHASE DIAGRAM

30% CONCEPTUAL DESIGN

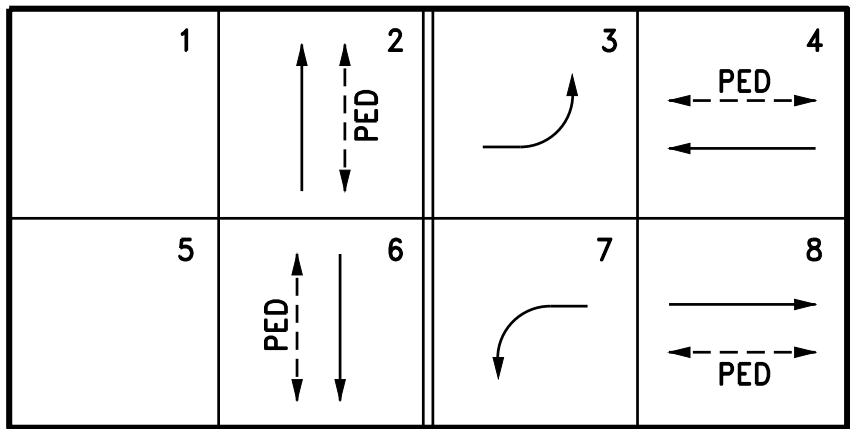
ACCEPTED BY:  
  
JOHN MATOBA, P.E. E-16605 DATE  
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



REVISIONS				BENCH MARK ELEV. 41.48 FT.(NAVD88)	<div>1"</div>	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			<div>WOOD RODGERS</div> <div>BUILDING RELATIONSHIPS ONE PROJECT AT A TIME</div> <div>3301 C St, Bldg. 100-B</div> <div>Sacramento, CA 95816</div> <div>Tel 916.341.7760</div> <div>Fax 916.341.7767</div>	IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		DWG. NO. SIG-7 SHEET 16 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: ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	DRAWN BY: L. EVANS		DESIGNED BY: A. WONG	CHECKED BY: J. PANGBURN	
					H: 1"=20' V: N/A	DATE: OCTOBER 2024	R.C.E. NO. 89091 DATE:	R.C.E. NO. 71445 DATE:				



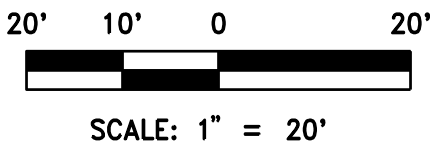
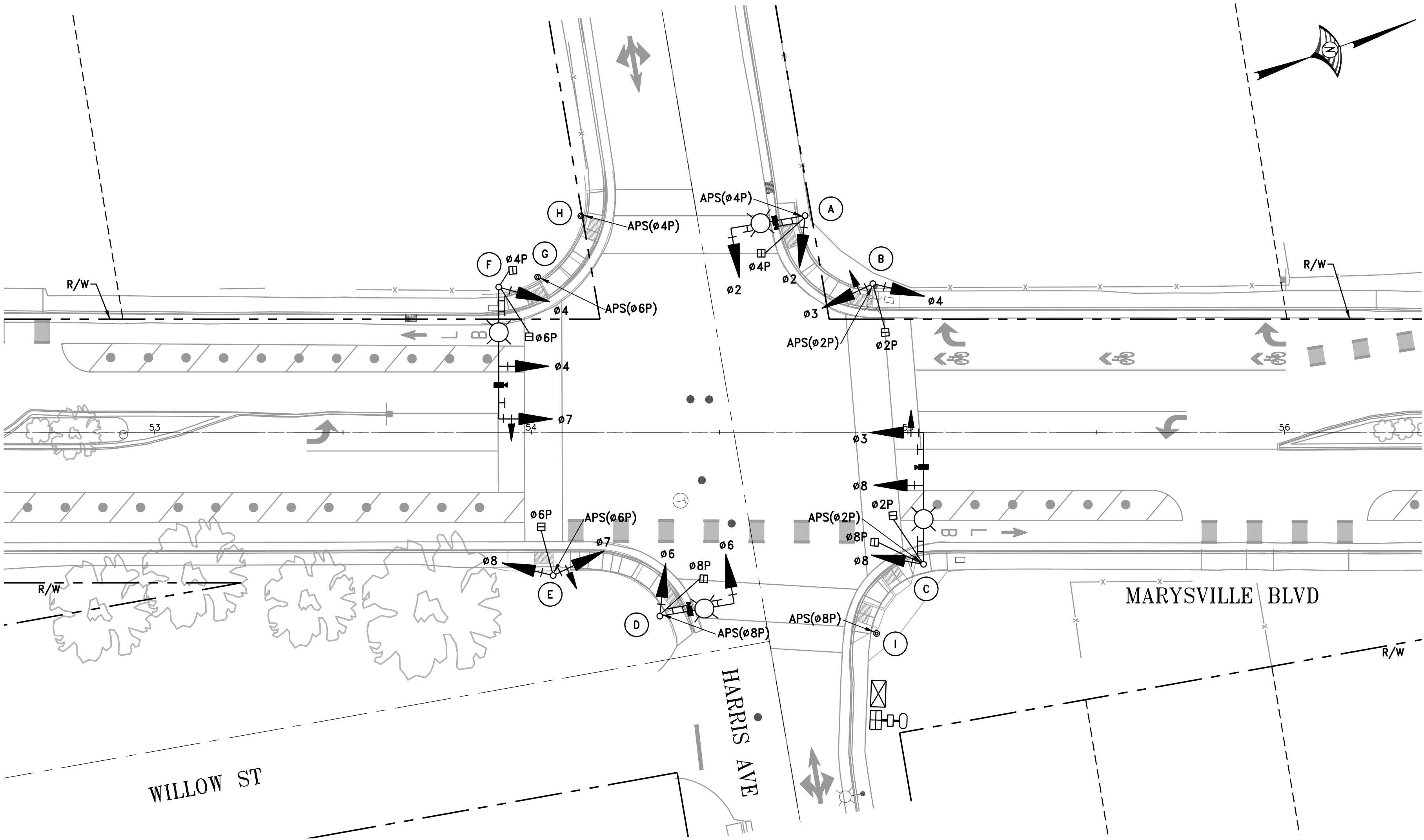
NOTES:  
SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



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

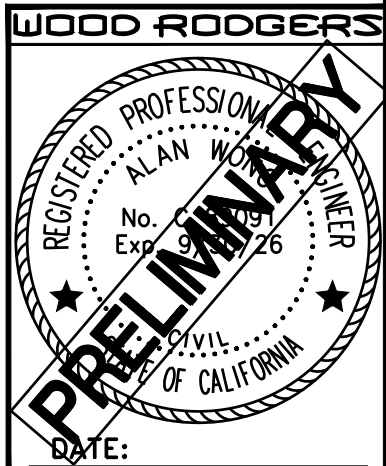
POLE AND EQUIPMENT SCHEDULE												
LOC.	STANDARD	VEHICLE SIGNAL				PEDESTRIAN SIGNAL			PPB	MAST ARM LENGTH		NOTES
		Ø	TYPE**	SEC	MTG.	Ø	TYPE	MTG.		TRAFFIC SIGNAL	STREET LIGHTING	
(A)	NEW 17-2-100	2	1W3L	12"	MAS	4	1W2L	SP-1-T	4	←	20'	12'
		2	1W3L	12"	SV-1-T							
(B)	NEW 1-B(10')	3	1W3L	A	TV-2-T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



30% CONCEPTUAL DESIGN

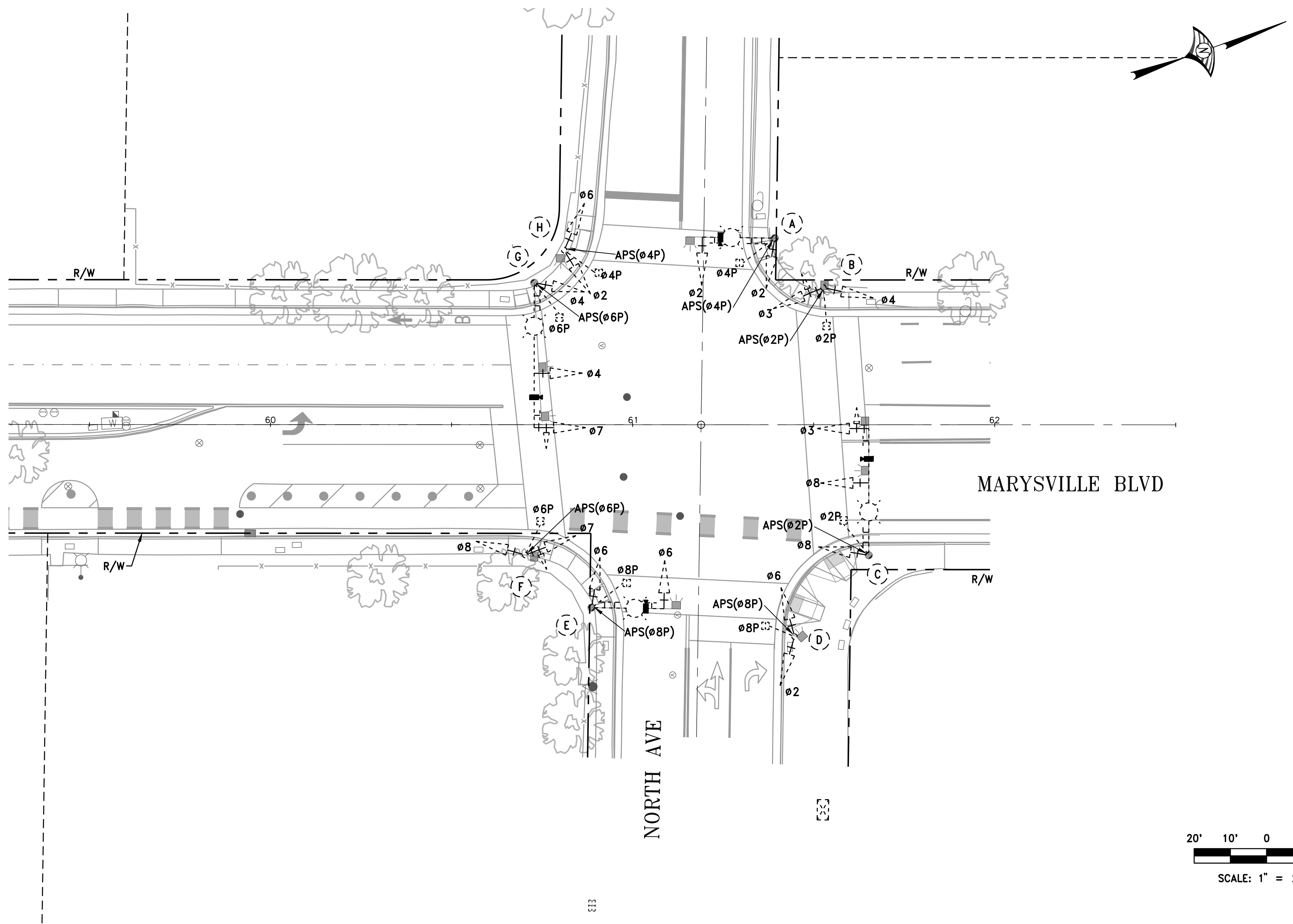
ACCEPTED BY: \_\_\_\_\_  
JOHN MATOBA, P.E. E-16605 DATE \_\_\_\_\_  
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS











REVISIONS				BENCH MARK ELEV. <u>41.48 FT.(NAV088)</u>	<div>1"</div>	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			<div>WOOD RODGERS</div> <div>BUILDING RELATIONSHIPS ONE PROJECT AT A TIME</div> <div>3301 C St, Bldg. 100-B</div> <div>Sacramento, CA 95816</div> <div>Tel 916.341.7760</div> <div>Fax 916.341.7767</div>	IMPROVEMENT PLANS FOR MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT		DWG. NO. <b>SIG-8</b> SHEET <b>17</b> OF <b>18</b>
NO.	DESCRIPTION	DATE	BY			DESCRIPTION:	SCALE:	DRAWN BY:		DESIGNED BY:	CHECKED BY:	
				BENCHMARK NO. 278-A4D, HILTI NAIL SET IN TRAFFIC SIGNAL/STREET LIGHT BASE, NE CORNER MARYSVILLE BLVD. AND ARCADE BLVD.	H: <u>1"=20'</u>  V: <u>N/A</u>	<u>I. EVANS</u>	<u>A. WONG</u>	<u>J. PANGBURN</u>			PN: T15216300	
					ON ORIGINAL SCALE DRAWING ADJUST SCALED DIMENSIONS IF THIS DOES NOT SCALE AT 1"	DATE: <u>OCTOBER 2024</u>	R.C.E. NO. <u>89091</u> DATE: _____	R.C.E. NO. <u>71445</u> DATE: _____				



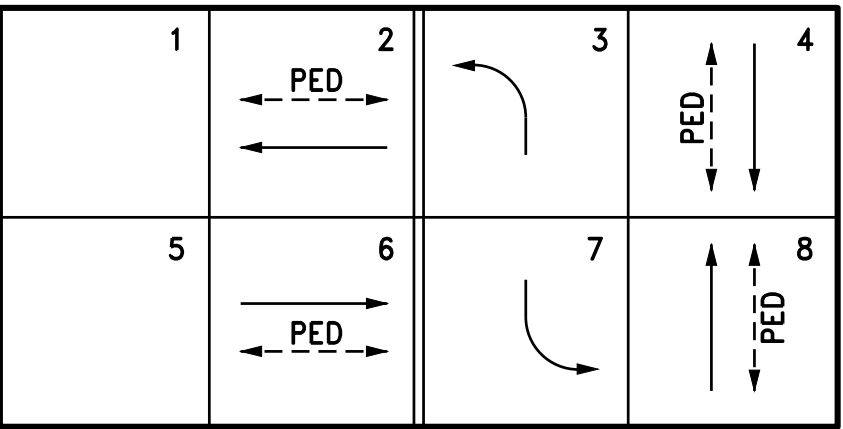
NOTES:  
SEE ELECTRICAL GENERAL NOTES AND LEGEND ON SHEET SIG-1.



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

CONTRACTOR-FURNISHED NEW EQUIPMENT      RETROFITTED/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: \_\_\_\_\_  
JOHN MATOBA, P.E. E-16605 DATE \_\_\_\_\_  
SENIOR ELECTRICAL ENGINEER, DEPARTMENT OF PUBLIC WORKS



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

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

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

DRAWN BY: J. EVANS  
DATE: OCTOBER 2024

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

CHECKED BY: J. PANGBURN  
R.C.E. NO. 71445 DATE: \_\_\_\_\_



IMPROVEMENT PLANS FOR  
MARYSVILLE BLVD. VISION ZERO SAFETY PROJECT

TRAFFIC SIGNAL MODIFICATION PLAN  
NORTH AVE. AND MAYSVILLE BLVD.

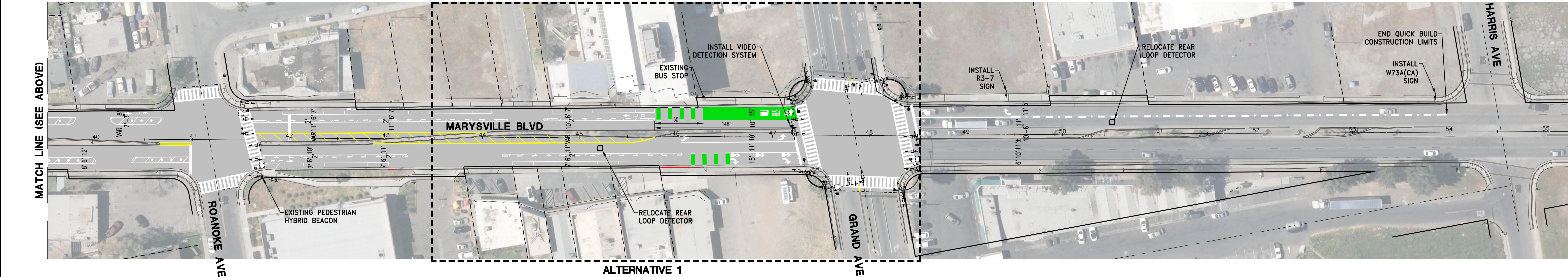
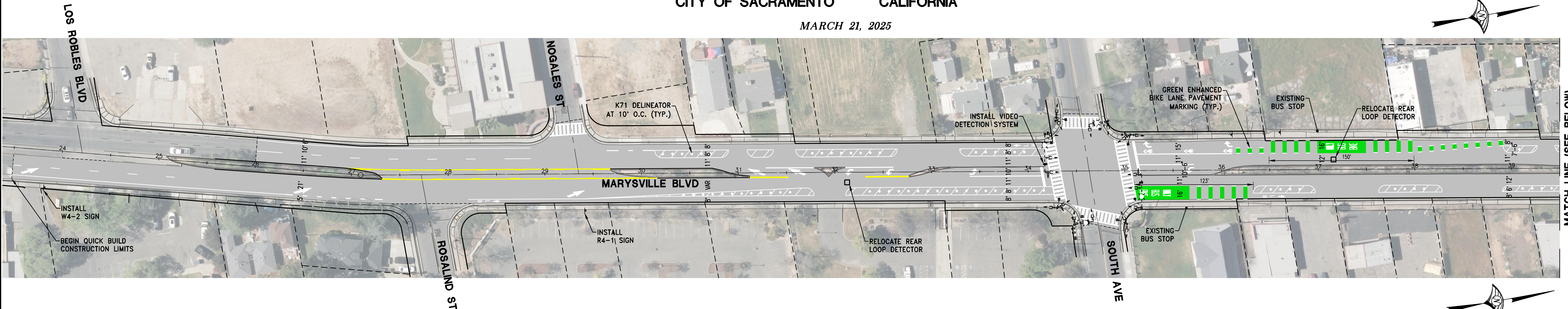
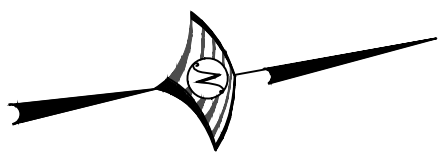
DWG. NO. SIG-9  
SHEET 18  
OF 18  
PN: T15216300



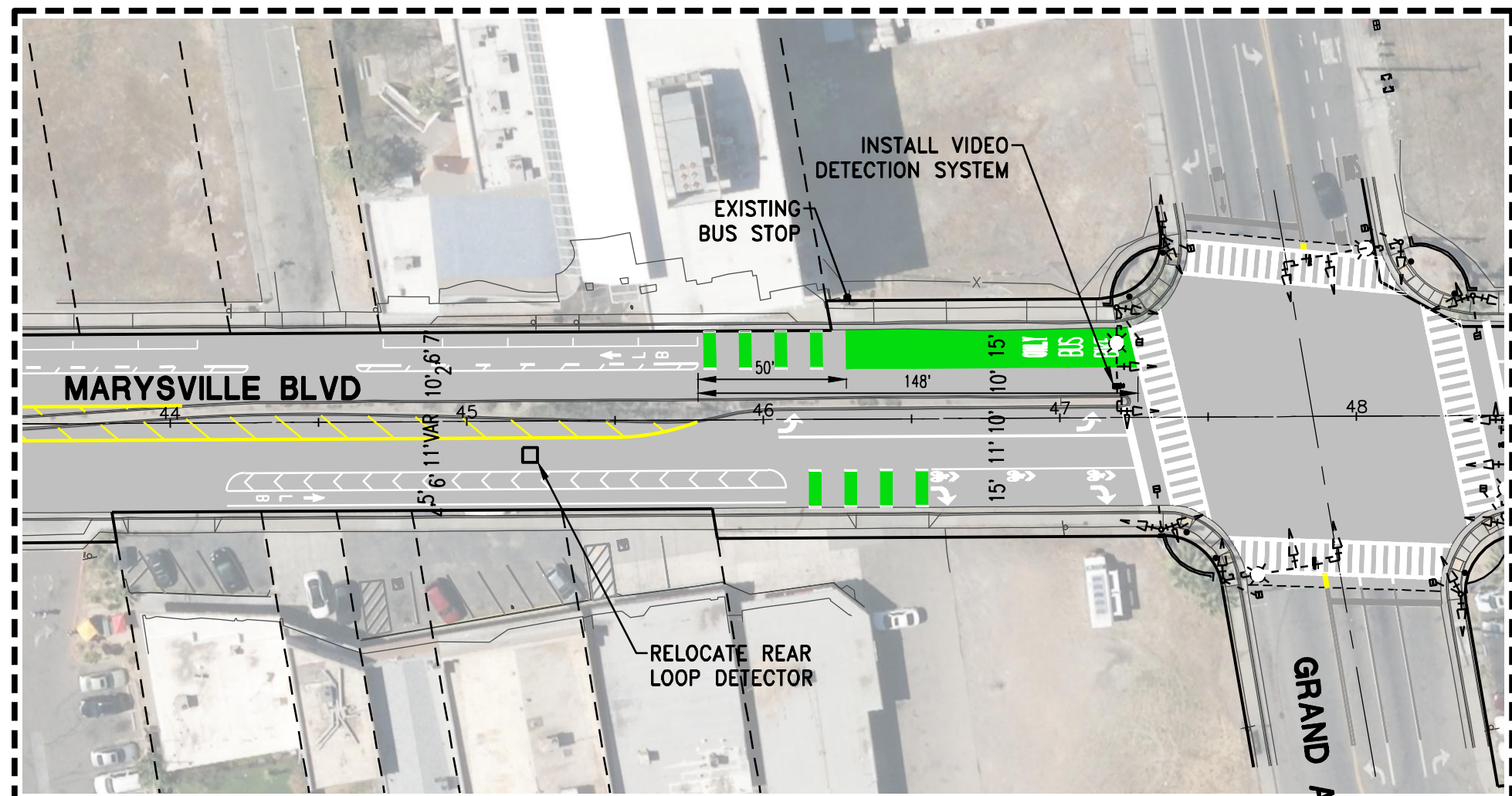
# MARYSVILLE BLVD VISION ZERO SAFETY PROJECT

CITY OF SACRAMENTO CALIFORNIA

MARCH 21, 2025



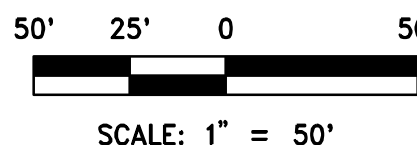
ALTERNATIVE 1  
BUFFERED CLASS II BIKE LANE WITH ON-STREET PARKING



ALTERNATIVE 2  
BUFFERED CLASS II BIKE LANE WITH NO ON-STREET PARKING

## LEGEND

- GREEN ENHANCED BIKE LANE PAVEMENT MARKING
- K71 DELINEATOR



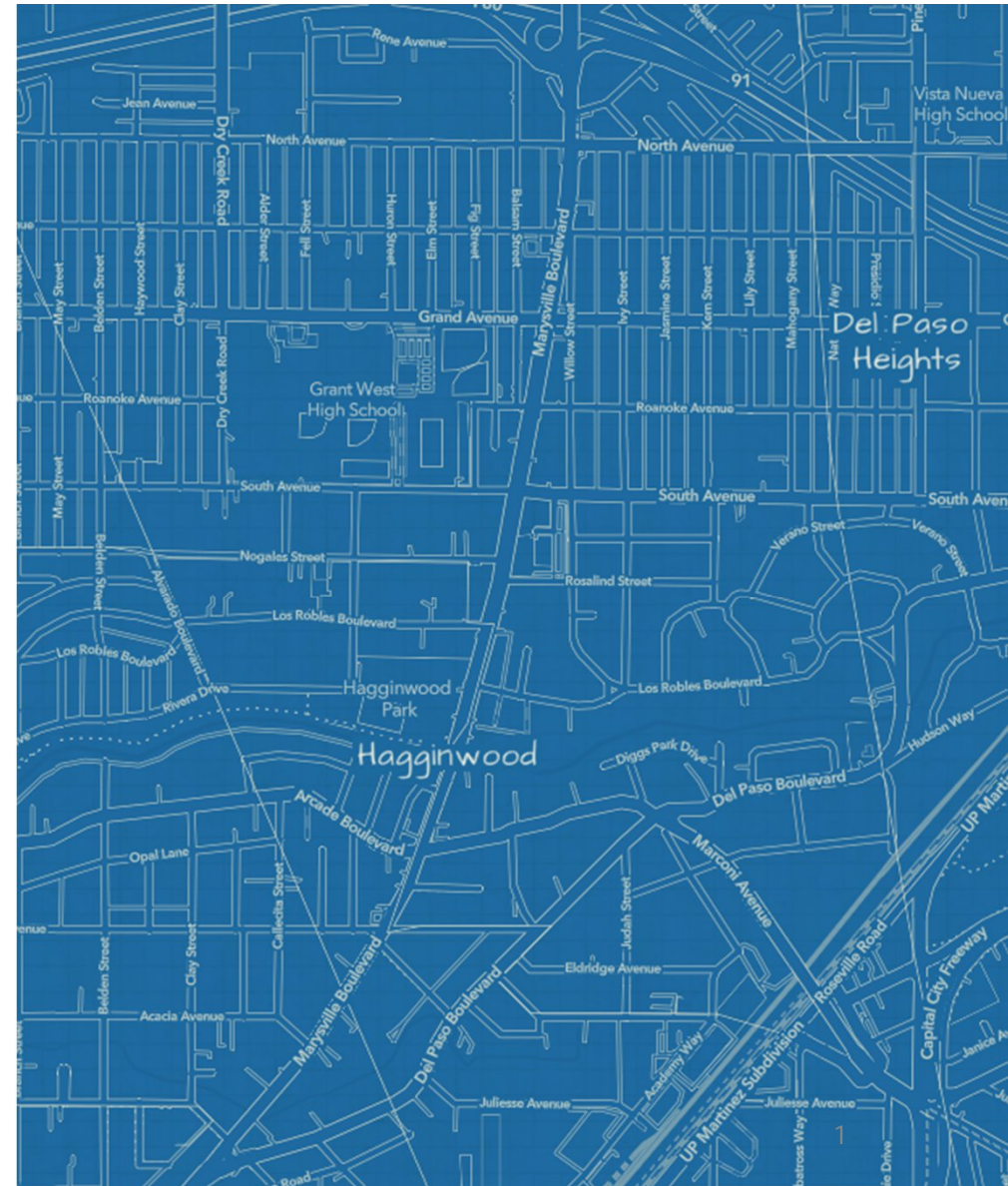




Active Transportation Commission  
September 18, 2025

Luke Fuson  
Senior Engineer

*City of*  
**SACRAMENTO**  
Department of Public Works







## Marysville Boulevard Vision Zero Safety Project

### Project Map







# Background

The *Marysville Boulevard Vision Zero Project* is the outcome of citywide Vision Zero transportation safety planning that began in 2017 with:

- Vision Zero goal adoption (2017)
- Vision Zero Action Plan (2018)
- Top 5 Corridors Plan (2021)
- Quick Build Program (2025)

Marysville Boulevard is one of the top 5 corridors in Sacramento with the highest number of traffic fatalities and serious injuries.





# Project Purpose

- Calm traffic and improve safety
- Provide safe and comfortable mobility options for all users:

Pedestrians | Bicyclists | Transit users | Drivers

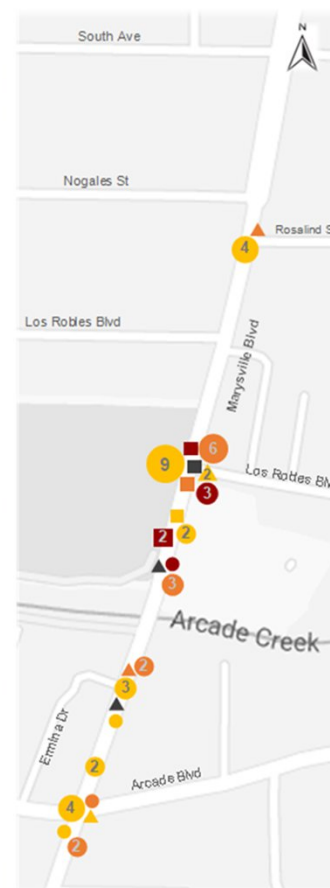
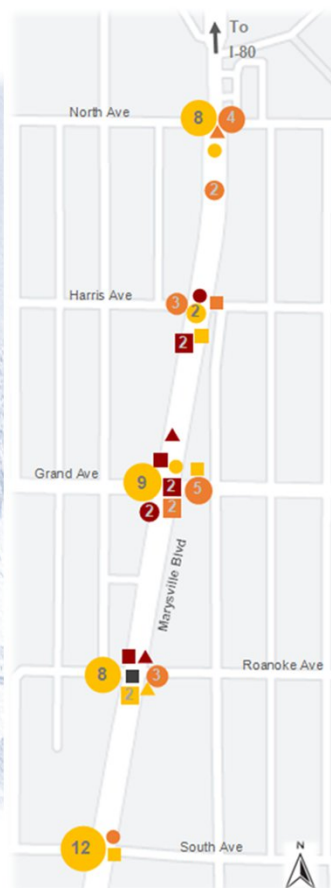






# Collision History

- 19 severe collisions between 2009 and 2017
- 11 involved a pedestrian
- Three involved a bicyclist



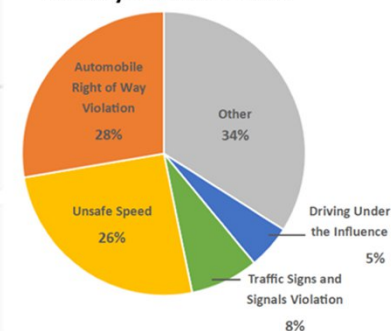
## Type of Modes Involved

- Vehicles Only
- Pedestrian– Vehicle
- ▲ Bicycle– Vehicle
- # Number of Collisions of the same mode and severity

## Collision Severity

- Complaint of Pain
- Other Visible Injury
- Severe Injury
- Fatal

## Primary Collision Factor





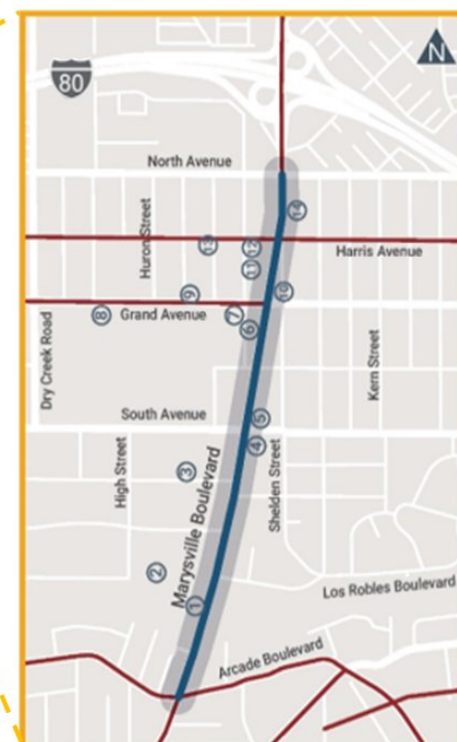
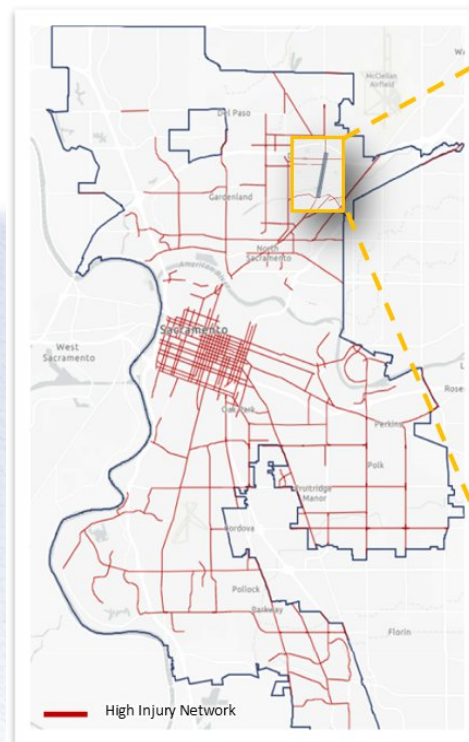


# Community

- Hagginwood and Del Paso Heights neighborhoods in north Sacramento
- Underserved Community
- Nearby Amenities
- Outreach



City of  
SACRAMENTO  
Department of Public Works

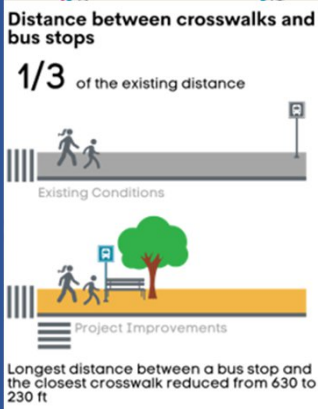


- |   |                                   |                             |
|---|-----------------------------------|-----------------------------|
| ① Hagginwood Community Center           | ⑥ Greater Sacramento Urban League | ⑪ Lee's Market              |
| ② Hagginwood Park                       | ⑦ Saint Stephens AME Zion Church  | ⑫ Vive Supermarket          |
| ③ Greater Community Church              | ⑧ Grant Union High School         | ⑬ Church of God Pentecostal |
| ④ Police Station                        | ⑨ Capital City Church of Christ   | ⑭ Victory Tabernacle        |
| ⑤ Abundant Life Church of God in Christ | ⑩ Rainbow Market                  |                             |





- 
- A background image showing a street scene. On the right, there is a building with a sign that says "SANTITAS MUSEUM". In front of the building is a bus stop shelter. A street sign is visible above the bus stop. The street has a crosswalk and a traffic light. There are trees and other buildings in the background. The image is slightly faded and has a blue tint.
- Sacramento Regional Transit Bus Routes 86 and 15
  - Active corridor with high ridership
  - Coordinating with Sacramento Regional Transit and City Council District 2
  - Bus stop improvements







# Traffic Signals



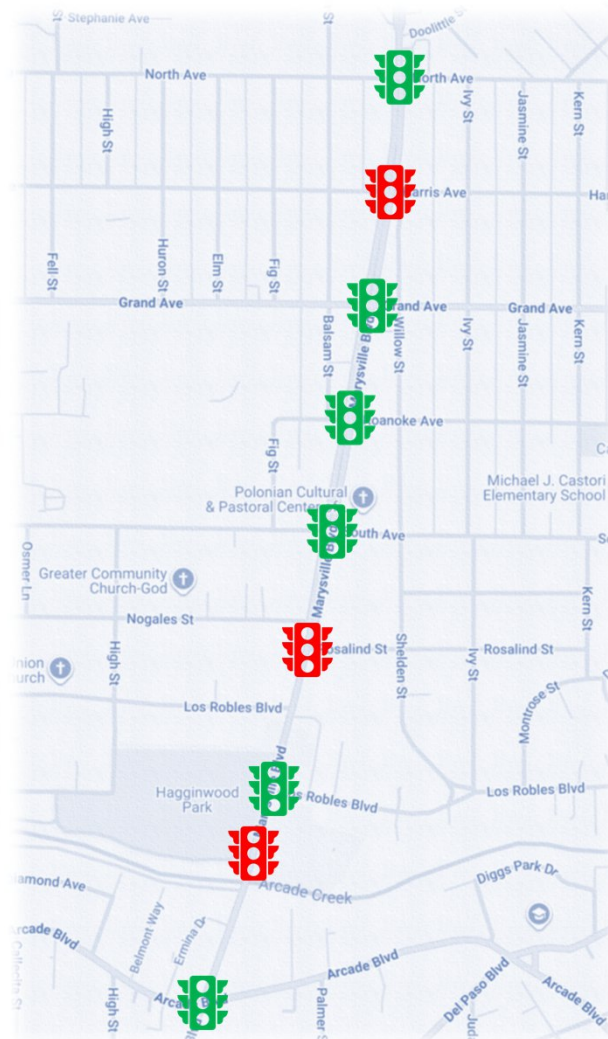
## New Signal

- Hagginwood Park (Pedestrian Signal)
- Rosalind Street
- Harris Ave



## Modified Signal

- Arcade Blvd
- Los Robles Blvd
- South Ave
- Roanoke Ave
- Grand Ave
- North Ave





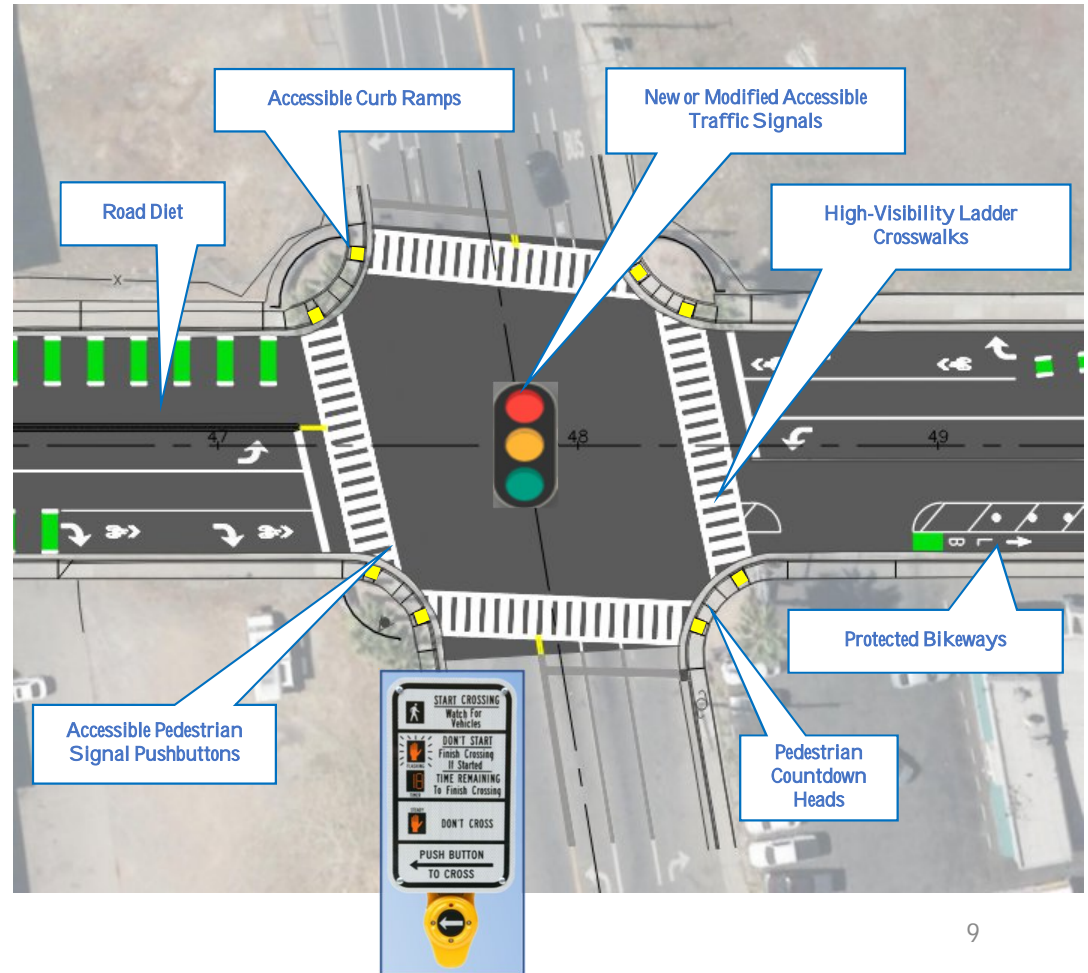


# Marysville Boulevard Vision Zero Safety Project

## Phase 2: Typical Intersection Design Elements

### PROPOSED IMPROVEMENTS

- Road diet for slower speeds
- New Traffic or Pedestrian Signal
- Accessible Pedestrian Signals
- Protected Bikeways
- ADA Curb Ramps
- High-Visibility Ladder Crosswalks
- Bulb outs (*some locations*)
- Bus Stop Improvements







# Marysville Boulevard Vision Zero Safety Project

## Phase 2: Arcade Boulevard to Hagginwood Park

### EXISTING CONDITIONS

- Non-accessible Traffic Signal
- No Bike Lanes
- Non-compliant Curb Ramps



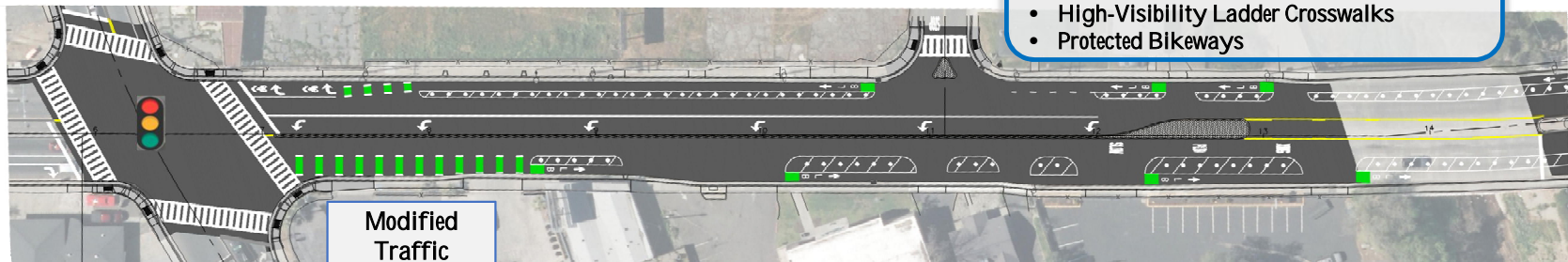
Arcade Blvd

Existing

Arcade Creek/Hagginwood Park

### PROPOSED IMPROVEMENTS

- Road Diet
- Modified Audible Signal
- ADA Curb Ramps
- High-Visibility Ladder Crosswalks
- Protected Bikeways



Arcade Blvd

Modified  
Traffic  
Signal

Proposed

Arcade Creek/Hagginwood Park





# Marysville Boulevard Vision Zero Safety Project

## Phase 2: Hagginwood Park to Los Robles Boulevard



Existing

- PROPOSED IMPROVEMENTS**
- New Pedestrian Signal at Hagginwood Park
  - Audible Signal modification at Los Robles Blvd
  - Bulb-outs for shorter crossing distance
  - ADA Curb Ramps
  - High-Visibility Ladder Crosswalks
  - Road Diet
  - Protected Bikeways
  - Upgrade Bus Stop



Proposed





# Marysville Boulevard Vision Zero Safety Project

## Phase 2: Rosalind Avenue to South Avenue

### EXISTING CONDITIONS

- No Traffic Signal at Rosalind Ave
- Non-accessible Traffic Signal at South Ave
- Non-compliant Curb Ramps
- Narrow Class II Bike lanes

Hagginwood Park

Marysville Blvd

Rosalind Ave

Existing

South Ave

### PROPOSED IMPROVEMENTS

- New Audible Signal at Rosalind Ave Signal
- Upgrades Audible Signal at South Ave
- Protected Class IV Bike Lanes
- ADA Curb Ramps
- High-Visibility Ladder Crosswalks
- Road Diet
- Protected Bikeways

New Traffic  
Signal

Modified  
Traffic  
Signal

Rosalind Ave

Proposed

South Ave





# Marysville Boulevard Vision Zero Safety Project

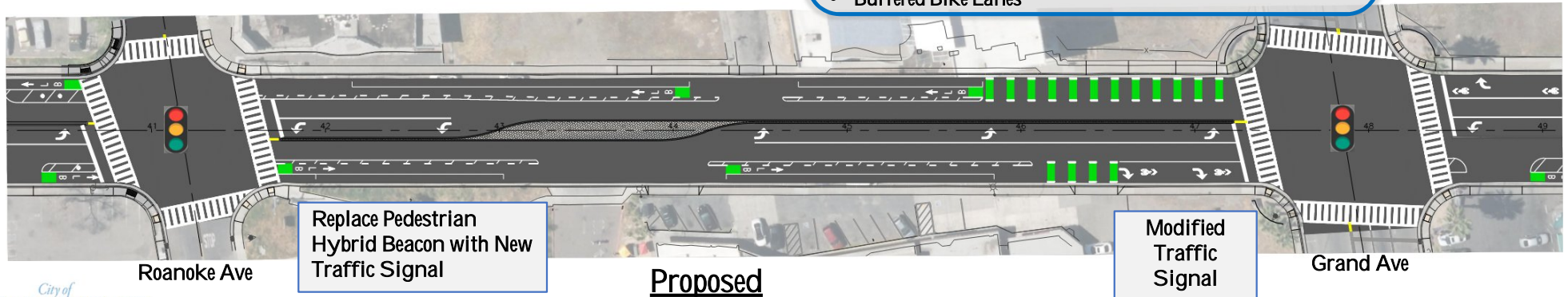
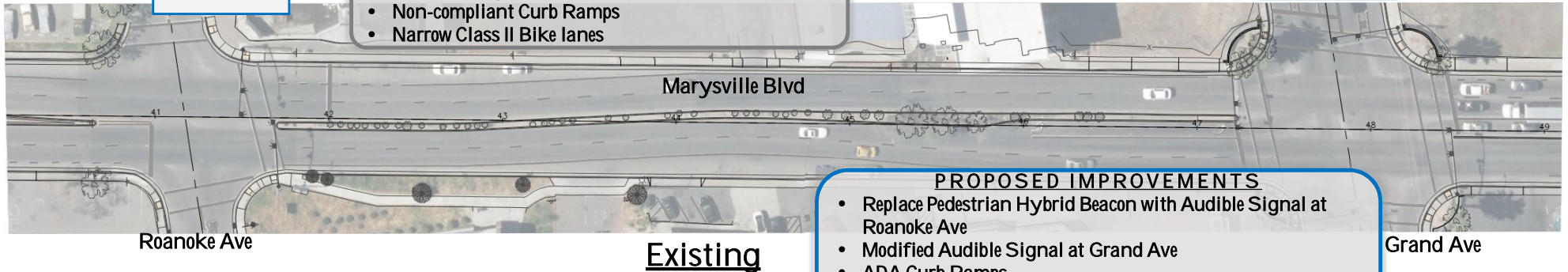
## Phase 2: Roanoke Avenue to Grand Avenue

To Grant Union High School

### EXISTING CONDITIONS

- Pedestrian Hybrid Beacon at Roanoke Ave
- Non-compliant Curb Ramps
- Narrow Class II Bike lanes

To Grant Union High School





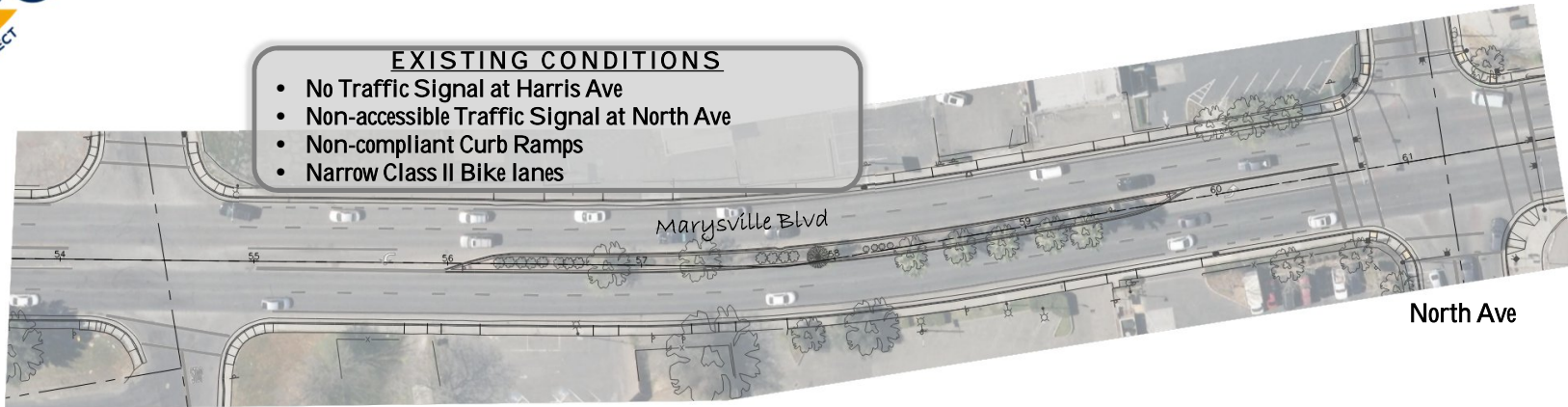


# Marysville Boulevard Vision Zero Safety Project

## Phase 2: Harris Avenue – North Avenue

### EXISTING CONDITIONS

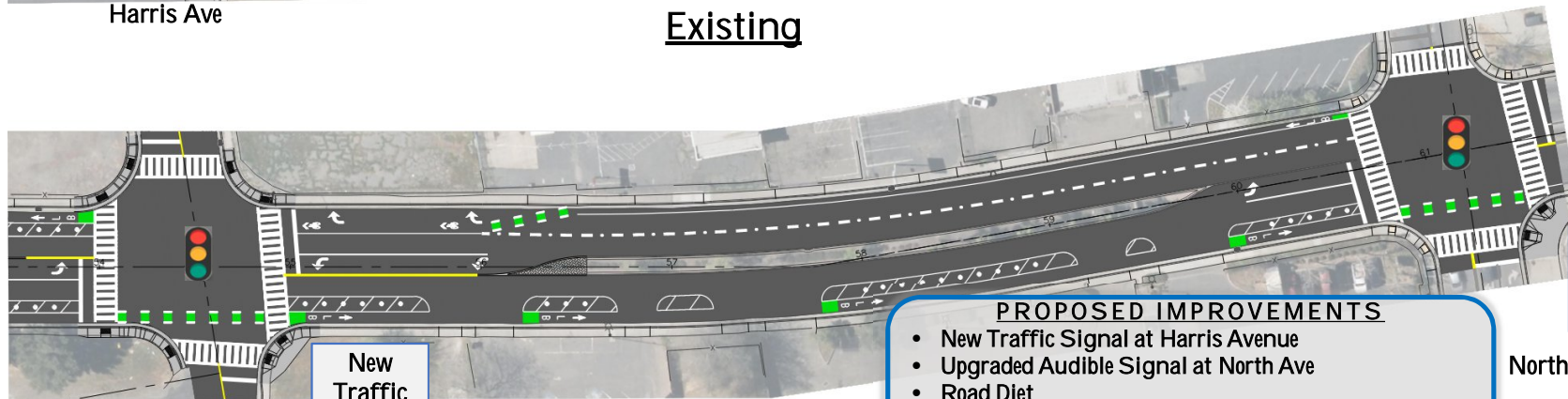
- No Traffic Signal at Harris Ave
- Non-accessible Traffic Signal at North Ave
- Non-compliant Curb Ramps
- Narrow Class II Bike lanes



Harris Ave

North Ave

Existing



Harris Ave

North Ave

New  
Traffic  
Signal

Modified  
Traffic  
Signal

### PROPOSED IMPROVEMENTS

- New Traffic Signal at Harris Avenue
- Upgraded Audible Signal at North Ave
- Road Diet
- Protected Bikeways
- ADA Curb Ramps
- High-Visibility Ladder Crosswalks

Proposed





# Funding and Schedule

## Total Project Cost = \$18 Million

- Preliminary Engineering currently locally funded
- SACOG has approved \$9.1 million
- The City is pursuing additional construction funding

## Schedule

- Preliminary Design & Environmental Clearance | Fall 2025
- Project Design | 2026
- Construction | 2027/2028





# Phased Project

Phase 1: Quick Build  
Grand Ave to Nogales

Phase 2: Corridor  
North Ave to Arcade Blvd

## Quick-Build Safety Program

- Expedite near-term safety projects on high-injury corridors
- **Marysville Boulevard will be one of the first to move forward under that new program.**

## Vision Zero Safety Corridor

- Long-term comprehensive safety solutions will continue







# Quick-Build Funding and Schedule

Total Project Cost = \$1,400,000

- Funded through the Quick-Build Program

## Schedule

- Project Design | through Summer 2025
- Advertise for Construction | Fall 2025
- Construction | 2026







**Luke Fuson**  
Senior Engineer - Project Manager

