

RPA089.TITLE.dwg May 04, 2023 - 12:36pm

## CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENTS

PROJECT NO. 2022-25  
CALTRANS PROJECT NO. HSIPSL-5379(023)

VICINITY MAP  
CITY OF ROHNERT PARK

ROHNERT PARK

STATE MAP

(SEE SHEET INDEX FOR PROJECT LOCATIONS)

		PLANS PREPARED BY:  490 Mendocino Ave, Suite 201 Tel: 707-542-9590		CITY OF ROHNERT PARK PUBLIC WORKS DEPARTMENT	
BY: <i>Allison Jaramin</i> ENGINEER'S SIGNATURE		DATE: 5/4/2023		APPROVED BY: <i>[Signature]</i> DATE: 7/18/2023	
GARRETT, VANESSA DIRECTOR OF PUBLIC WORKS R.C.E. NO. C84141		CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENTS - ROHNERT PARK		TITLE SHEET	
DESIGNED: ACJ	DRAWN: ACJ	CHECKED: AP	PROJECT NUMBER: RPA089	SCALE: 1"=40'	SHEET 1 OF 49
				DATE: 5/4/2023	CITY PROJECT NO. 2022-25

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PLAN SHEET NUMBER	SHEET NUMBER	INTERSECTION NUMBER	INTERSECTION NAME
E-11	29	23	COUNTRY CLUB/ROHNERT PARK EXPRESSWAY
E-11	30	24	KARRINGTON/ROHNERT PARK EXPRESSWAY
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E-14	37	30	SMART/ROHNERT PARK EXPRESSWAY
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E-15	39	32	SNYDER/ROHNERT PARK EXPRESSWAY
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E-15	41	34	SNYDER/CAMINO CORTO
E-15	42	36	SNYDER/ELEANOR
E-16	43	37	CAMINO COLEGIO/SOUTHWEST (1/2)
E-17	44	37	CAMINO COLEGIO/SOUTHWEST (2/2)
E-18	45	38	COUNTRY CLUB/SOUTHWEST
E-18	46	39	NO NAME/SOUTHWEST
E-18	49	41	SNYDER/SOUTHWEST
E-19	47	40	SEED FARM/SOUTHWEST (1/2)
E-20	48	40	SEED FARM/SOUTHWEST (2/2)

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DESIGNED: ACJ	DRAWN: ACJ	CHECKED: AP	PROJECT NUMBER: RPA089	SCALE: 1"=40'	SHEET 2 OF 49
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### PROJECT NOTES (ALL SHEETS)

- 1 REMOVE AND BECOME THE PROPERTY OF THE CONTRACTOR THE 8" SIGNAL HEAD, SIGNAL MOUNTING, AND BACKPLATE. FURNISH AND INSTALL 12" SIGNAL HEAD AND SIGNAL MOUNTINGS.
- 2 REMOVE AND BECOME THE PROPERTY OF THE CONTRACTOR THE PEDESTRIAN SIGNAL HEAD AND MOUNTING. FURNISH AND INSTALL COUNTDOWN PEDESTRIAN SIGNAL HEAD AND MOUNTINGS.
- 3 REMOVE AND BECOME PROPERTY OF THE CONTRACTOR ALL EXISTING BACKPLATES. FURNISH AND INSTALL YELLOW RETROREFLECTIVE BORDER BACKPLATES ON ALL NEW AND EXISTING SIGNAL HEADS.
- 4 REMOVE AND BECOME THE PROPERTY OF THE CONTRACTOR THE PEDESTRIAN PUSH BUTTON ASSEMBLY. FURNISH AND INSTALL ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTON. FURNISH AND INSTALL APS CONTROLLER IN TRAFFIC SIGNAL CABINET.
- 5 REMOVE AND BECOME THE PROPERTY OF THE CONTRACTOR THE EXISTING VIDEO DETECTION SYSTEM. PROVIDE RAIN-TIGHT CAP OVER MOUNTING HOLES.
- 6 REMOVE AND BECOME PROPERTY OF THE CONTRACTOR THE DETECTOR AMPLIFIER CARDS FOR THE ABANDONED VEHICLE INDUCTIVE LOOPS.
- 7 REMOVE AND BECOME PROPERTY OF THE CONTRACTOR THE TRAFFIC SIGNAL CONTROLLER UNIT. FURNISH AND INSTALL MODEL 2070LX CONTROLLER WITH D4 SOFTWARE INSIDE EXISTING CONTROLLER CABINET.
- 8 FURNISH AND INSTALL ITERIS VANTAGE VECTOR VIDEO DETECTION CAMERA ON TRAFFIC SIGNAL MAST ARM PER MANUFACTURER'S RECOMMENDATION. FURNISH AND INSTALL VIDEO/POWER CABLE FROM CAMERA TO TRAFFIC SIGNAL CONTROLLER CABINET. FURNISH AND INSTALL VIDEO IMAGE PROCESSOR INSIDE TRAFFIC SIGNAL CONTROLLER CABINET. TERMINATE ALL CABLES AND COMPLETE EQUIPMENT CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
- 9 FURNISH AND INSTALL GPS EMERGENCY VEHICLE PREEMPTION SYSTEM. FURNISH AND INSTALL GPS/RADIO UNIT ON TRAFFIC SIGNAL POLE. FURNISH AND INSTALL GPS/RADIO CABLE FROM GPS/RADIO UNIT TO THE PHASE SELECTOR INSIDE THE TRAFFIC SIGNAL CONTROLLER CABINET. FURNISH AND INSTALL PHASE SELECTOR CARD RACK/INPUT FILE, AND AUXILIARY INTERFACE PANEL INSIDE THE TRAFFIC SIGNAL CONTROLLER CABINET.
- 10 FURNISH AND INSTALL EXTERNAL BATTERY BACKUP CABINET AND BATTERY BACKUP SYSTEM (BBS) ON SIDE OF EXISTING TRAFFIC SIGNAL CONTROLLER CABINET AS SHOWN ON PLANS. REPLACE 120V SERVICE CONDUCTORS AND ROUTE TO BBS AND THEN TO SERVICE TERMINALS PER BBS MANUFACTURER'S RECOMMENDATIONS.
- 11 REMOVE AND BECOME PROPERTY OF CONTRACTOR EMTRAC EVP ANTENNA. REMOVE CABLE FROM ANTENNA TO CABINET. REMOVE EMTRAC PHASE SELECTOR FROM CABINET. PROVIDE RAIN-TIGHT CAP OVER MOUNTING HOLES.
- 12 REMOVE AND BECOME THE PROPERTY OF THE CONTRACTOR THE PBA PUSH BUTTON ASSEMBLY POST. FURNISH AND INSTALL NEW APS PUSH BUTTON ASSEMBLY POST ON EXISTING PBA FOUNDATION.

### ACRONYM LEGEND

APS	ACCESSIBLE PEDESTRIAN SIGNAL	MTG	MOUNTING
BBS	BATTERY BACKUP SYSTEM	OV	OVERLAP
CFG	CONFIGURATION	PPB	PEDESTRIAN PUSH BUTTON
EVP	EMERGENCY VEHICLE PREEMPTION	PBA	PEDESTRIAN BUTTON ASSEMBLY
EX	EXISTING	PV	PROGRAMMABLE VISIBILITY
FYA	FLASHING YELLOW ARROW	TSP	TRANSIT SIGNAL PRIORITY
GPS	GLOBAL POSITIONING SYSTEM	(TYP.)	TYPICAL
LED	LIGHT EMITTING DIODE		

### APPLICABLE 2022 CALTRANS STANDARD PLANS

ES-1A-1C, ES-3C-3C2, ES-3K, ES-4A-4E, ES-5C, ES-7A, ES-7R

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### GENERAL NOTES (ALL SHEETS)

1. ALL USA MARKINGS CREATED WITHIN PROJECT LIMITS SHALL BE REMOVED BY CONTRACTOR PRIOR TO NOTICE OF COMPLETION.
2. BEFORE COMBUSTIBLE MATERIALS MAY BE DELIVERED, STORED, OR CONSTRUCTED ON SITE, FIRE FLOW AND ACCESS MUST BE PROVIDED AND APPROVED BY THE FIRE DEPARTMENT PER CURRENT CITY FIRE CODE. IN ADDITION, PUBLIC AND/OR PRIVATE FIRE HYDRANTS MUST BE INSTALLED, FLUSHED, TESTED, AND OPERATIONAL.
3. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL CONFORM TO THE CURRENT CITY OF ROHNERT PARK DESIGN AND CONSTRUCTION STANDARDS AND CONSTRUCTION SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
4. THE CONTRACTOR SHALL OBTAIN A DE-WATERING PERMIT FROM THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD FOR DE-WATERING OPERATIONS THAT ARE USED TO MANAGE THE REMOVAL OF GROUND WATER FROM EXCAVATIONS AND THEIR DISCHARGE TO THE WATERS OF THE STATE OR THE STORM DRAIN SYSTEM. APPROVAL MUST BE OBTAINED FROM THE CITY OF SANTA ROSA ENVIRONMENTAL COMPLIANCE DIVISION PRIOR TO DISCHARGING GROUNDWATER TO THE SEWER.
5. ALL UNDERGROUND IMPROVEMENTS INCLUDING SEWER LINES, WATER LINES, STORM DRAINS, PUBLIC UTILITY FACILITIES, AND SERVICES SHALL BE INSTALLED, TESTED, AND ACCEPTED BY THE UTILITIES AND PUBLIC WORKS DEPARTMENTS PRIOR TO PAVING. TRENCH PAVING FOR ALL UTILITIES SHALL BE COORDINATED AND INSTALLED AT THE SAME TIME.
6. RECORD DRAWINGS SHALL BE PROVIDED TO THE CITY UPON COMPLETION OF PROJECT AND PRIOR TO FINAL ACCEPTANCE IN PDF FORMAT.
7. THE CONTRACTOR SHALL KEEP THE WORK SITE, STAGING AREAS AND OTHER AREAS USED BY IT IN A NEAT AND CLEAN CONDITION, AND FREE FROM ANY ACCUMULATION OF TRASH. THE CONTRACTOR SHALL DISPOSE OF ALL TRASH, RUBBISH, AND WASTE MATERIALS OF ANY KIND GENERATED BY THE CONTRACTOR, SUBCONTRACTOR OR ANY COMPANY HIRED BY THE CONTRACTOR ON A DAILY BASIS. THE CONTRACTOR SHALL ALSO KEEP HAUL ROADS FREE FROM DIRT, RUBBISH, AND UNNECESSARY OBSTRUCTIONS RESULTING FROM SITE OPERATION. DISPOSAL OF ALL TRASH, RUBBISH, AND DEBRIS MATERIALS SHALL BE IN A COVERED WASTE RECEPTACLE OR HAULED OFF SITE, IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES GOVERNING LOCATIONS AND METHODS OF DISPOSAL, AND IN CONFORMANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. WASTE RECEPTACLES SHALL BE COVERED AT THE END OF EVERY DAY AND DURING RAIN EVENTS.
8. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL APPLICABLE BMPs LISTED IN THE EROSION CONTROL AND/OR STORM WATER POLLUTION PREVENTION PLAN.
9. CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND/OR PERPETUATION OF ALL EXISTING SURVEY MONUMENTS (CURB TAGS, IRON PIPES, CENTERLINE WELL DISKS, ETC.). IF THE CONTRACTOR SUSPECTS THAT WORK WILL BE CONDUCTED IN AN AREA WHICH MAY RESULT IN THE DISTURBANCE OF SURVEY MONUMENTS, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED PROFESSIONAL AUTHORIZED TO PRACTICE LAND SURVEYING TO LOCATE SAID MONUMENTS PRIOR TO DISTURBANCE. RE-ESTABLISH MONUMENTS WHICH HAVE BEEN DISTURBED AS A RESULT OF CONSTRUCTION AND FILE THE APPROPRIATE DOCUMENTATION WITH THE COUNTY ONCE THE MONUMENTS ARE RESET. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 10 (TEN) WORKING DAYS NOTICE TO THE ENGINEER/SURVEYOR PRIOR TO DISTURBANCE OR REMOVAL OF EXISTING MONUMENTS. THE CONTRACTOR SHALL PROVIDE THE CITY WITH A MONUMENT CERTIFICATION LETTER FROM THE ENGINEER/SURVEYORS STATING THAT THE EXISTING MONUMENTS HAVE BEEN IDENTIFIED AND LOCATED PRIOR TO REMOVAL.
10. CONSTRUCTION HOURS SHALL BE LIMITED FROM 8 AM TO 6 PM MONDAY THROUGH FRIDAY, EXCLUDING HOLIDAYS. THIS RESTRICTION INCLUDES THE START UP OF ANY MOTORIZED EQUIPMENT. ALL CONTRACTORS EQUIPMENT SHALL BE PROPERLY MUFFLED AND SHALL BE SHUT DOWN WHEN NOT IN USE.
11. A NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE FILED WITH THE NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD PRIOR TO THE ISSUANCE OF ANY GRADING PERMIT (CALL (707) 576-2220 FOR INFORMATION).
12. DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
13. DEVELOPMENT MUST CONFORM TO 40 CFR (CODE OF FEDERAL REGULATIONS) PARTS 122, 123, AND 124 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT APPLICATIONS FOR STORM WATER DISCHARGE. PROJECT MUST ALSO CONFORM WITH ANY DESIGN AND CONSTRUCTION POLICIES ADOPTED BY THE CITY TO CONFORM WITH THESE REGULATIONS. UNDER 40 CFR, CONSTRUCTION ACTIVITY INCLUDES CLEARING, GRADING, AND EXCAVATION ACTIVITIES. THESE ACTIVITIES REQUIRE OBTAINING AN NPDES PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD FOR PROJECTS WHICH QUALIFY, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITY.
14. ANY EXISTING UTILITIES THAT WILL NOT BE USED OR ARE DISCOVERED ON SITE MUST BE ABANDONED AND MUST BE SHOWN ON THE IMPROVEMENT PLANS WITH APPROPRIATE NOTATION, PER CITY STANDARD. LATERALS MUST BE ABANDONED TO THE MAIN.
15. WHERE THE STREET SURFACE IS LESS THAN 5 YEARS OLD, INSTALLATION OF UTILITIES OTHER THAN OPEN CUTTING SHALL BE REQUIRED.
16. THE CONTRACTOR SHALL KEEP THE SWPPP DOCUMENTS ON SITE AT ALL TIMES DURING THE PROJECT

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**LEGEND**

EXISTING	PROPOSED
GPS/RADIO UNIT	GPS/RADIO UNIT
BBS CABINET	BBS CABINET
EMTRAC ANTENNA	EMTRAC ANTENNA
	YELLOW BACKPLATE

**DETAIL A  
EVP GPS RADIO UNIT DETAIL**

**SIGNAL HEAD CONFIGURATION**

12" LED	12" LED	12" LED	12" PV	12" LED	12" LED
12" LED	12" LED	12" LED	12" PV	12" LED	12" LED
12" LED	12" LED	12" LED	12" PV	12" LED	12" LED
12" LED	12" LED	12" LED	12" PV	12" LED	12" LED

PLANS PREPARED BY: **W-Trans**  
490 Mendocino Ave, Suite 201  
Tel: 707-542-9500

APPROVED BY: *Vanessa Garrett* DATE: **7/18/2023**  
GARRETT, VANESSA  
DIRECTOR OF PUBLIC WORKS  
R.C.E. NO. C84141

BY: *Allison Jaramin* 5/4/2023  
ENGINEER'S SIGNATURE DATE

CITY OF ROHNERT PARK  
PUBLIC WORKS DEPARTMENT

APPROVED BY: *Vanessa Garrett* DATE: **7/18/2023**  
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CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENTS - ROHNERT PARK

**DETAILS & LEGEND**

SCALE: 1"=40' SHEET 4 OF 49  
DATE: 5/4/2023 CITY PROJECT NO. 2022-25

RPA089.REDWOOD-BUSINESS-B.dwg May 04, 2023 - 12:37pm

**EXISTING PHASE DIAGRAM**

Pole	Mast Arm Signal	Pole Mounted Signals	Pedestrian Signals	Accessible Pedestrian Signals
1	MTG #	CFG	MTG #	CFG
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-

**NEW EQUIPMENT SCHEDULE**

Pole	Mast Arm Signal	Pole Mounted Signals	Pedestrian Signals	Accessible Pedestrian Signals
1	MTG #	CFG	MTG #	CFG
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-

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CITY OF ROHNERT PARK  
PUBLIC WORKS DEPARTMENT

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CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENTS - ROHNERT PARK

**1. CASINO/BUSINESS PARK DR**

SCALE: 1"=40' SHEET 6 OF 49  
DATE: 5/4/2023 CITY PROJECT NO. 2022-25

RPA089.COMMERCE-B.dwg May 04, 2023 - 12:37pm

**EXISTING PHASE DIAGRAM**

Pole	Mast Arm Signal	Pole Mounted Signals	Pedestrian Signals	Accessible Pedestrian Signals
1	MTG #	CFG	MTG #	CFG
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-

**NEW EQUIPMENT SCHEDULE**

Pole	Mast Arm Signal	Pole Mounted Signals	Pedestrian Signals	Accessible Pedestrian Signals
1	MTG #	CFG	MTG #	CFG
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-

**GENERAL NOTE (THIS SHEET ONLY)**

1. CONTRACTOR TO FURNISH AND INSTALL 6" PUSH BUTTON EXTENSION FOR THE APS ON POLE C.

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CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENTS - ROHNERT PARK

**2. COMMERCE BLVD/ALISON AVE**

SCALE: 1"=40' SHEET 7 OF 49  
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Pole	Mast Arm Signal	Pole Mounted Signals	Pedestrian Signals	Accessible Pedestrian Signals
1	MTG #	CFG	MTG #	CFG
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-

**NEW EQUIPMENT SCHEDULE**

Pole	Mast Arm Signal	Pole Mounted Signals	Pedestrian Signals	Accessible Pedestrian Signals
1	MTG #	CFG	MTG #	CFG
2	-	-	-	-
3	-	-	-	-
4	-	-	-	-
5	-	-	-	-
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-

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CITY OF ROHNERT PARK  
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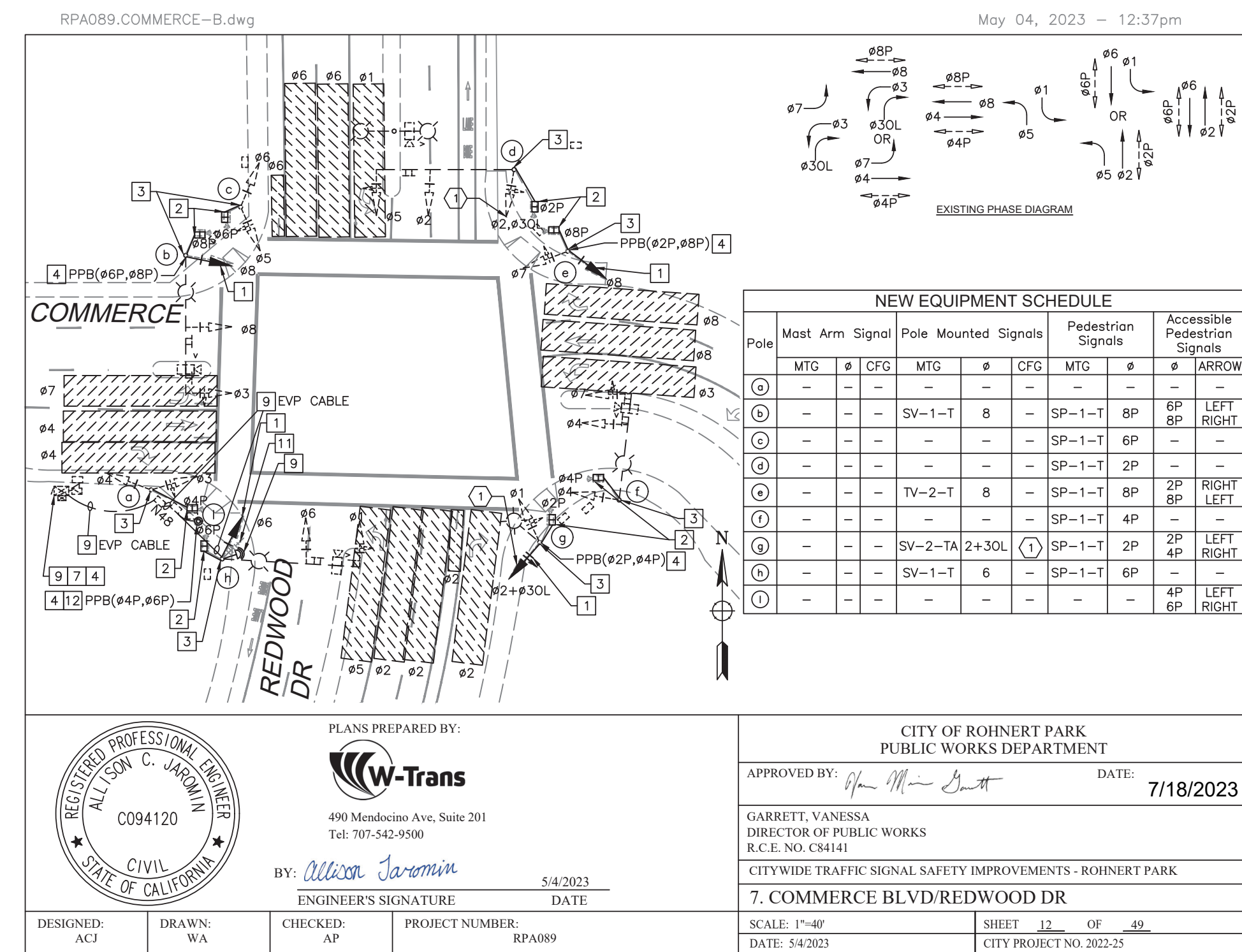
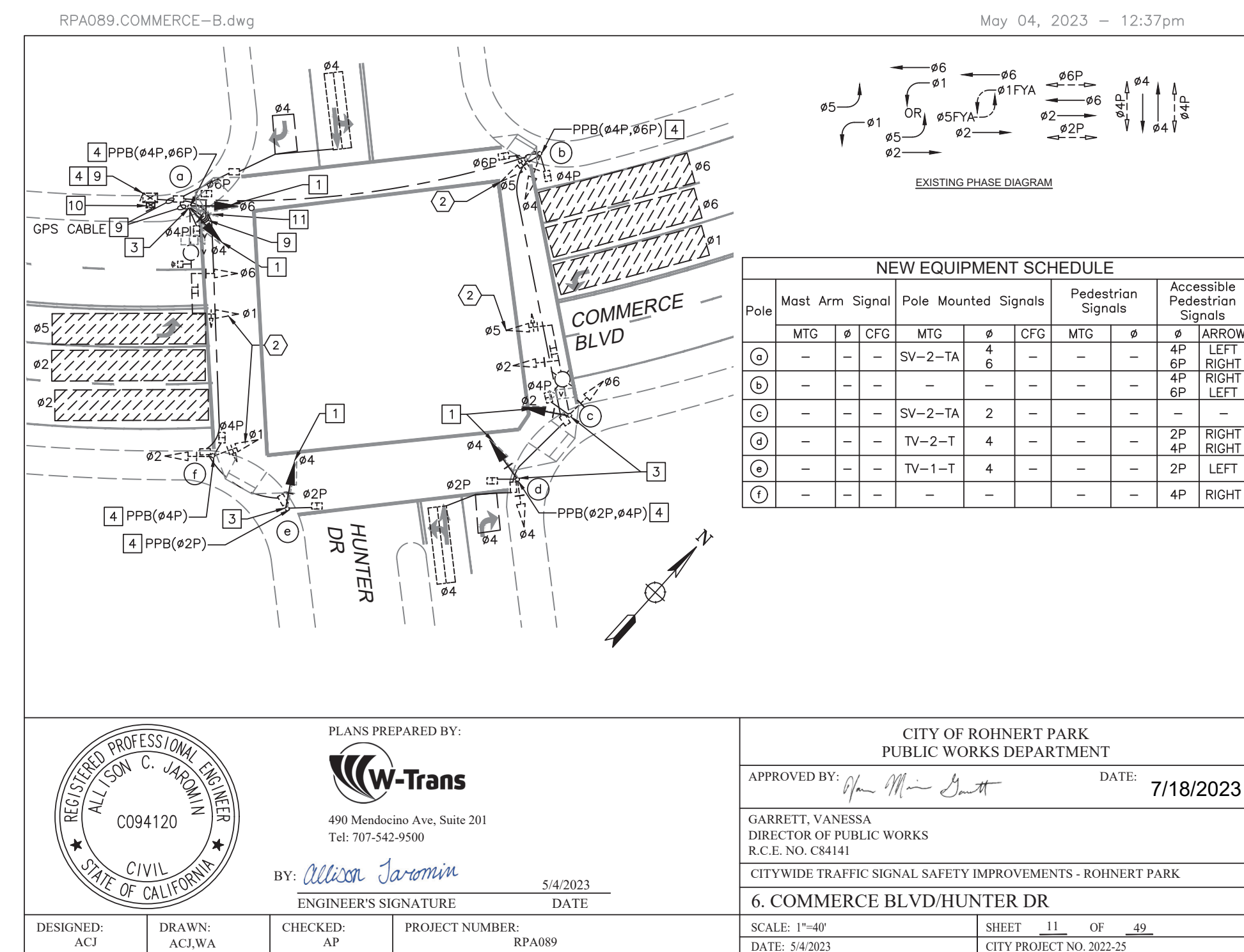
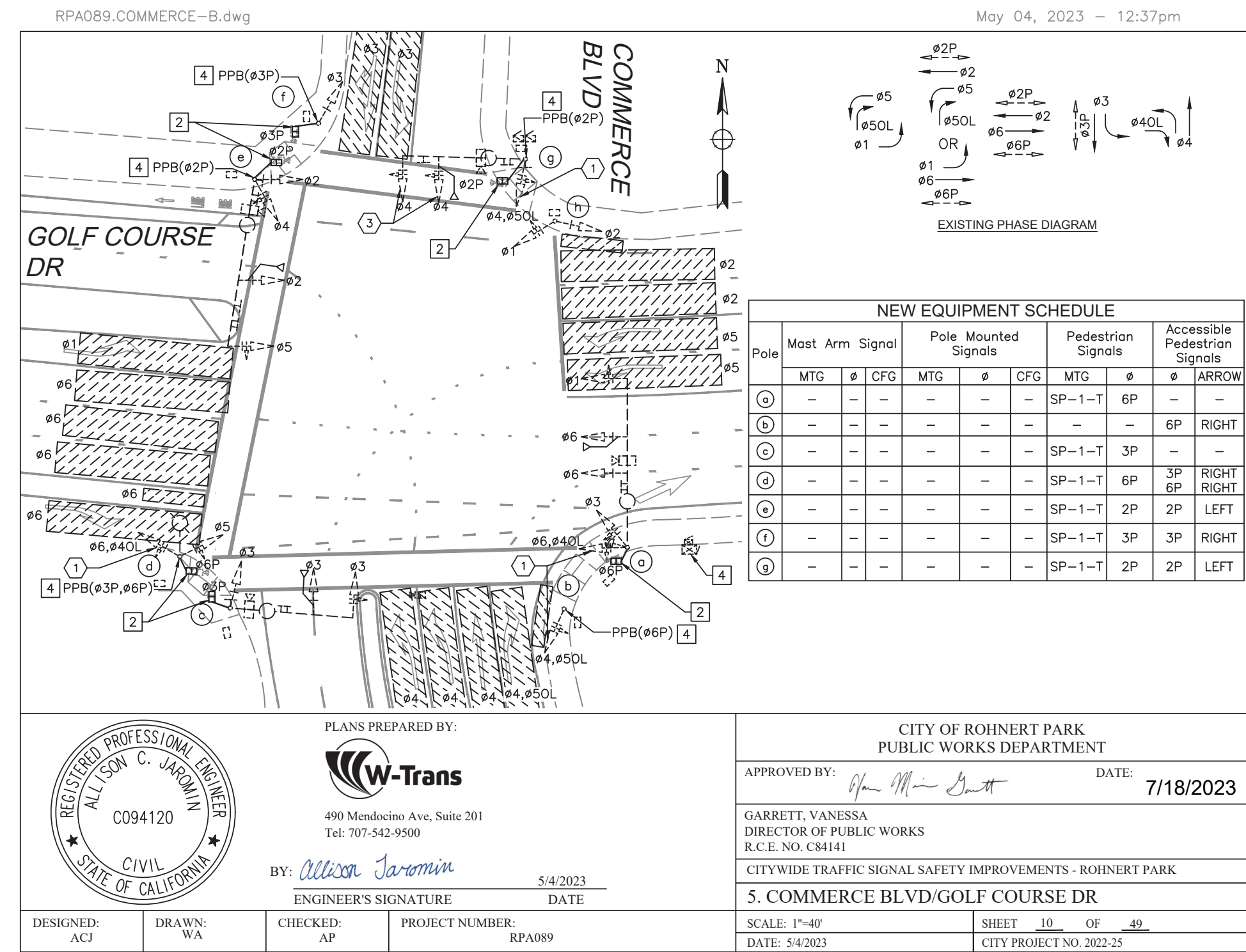
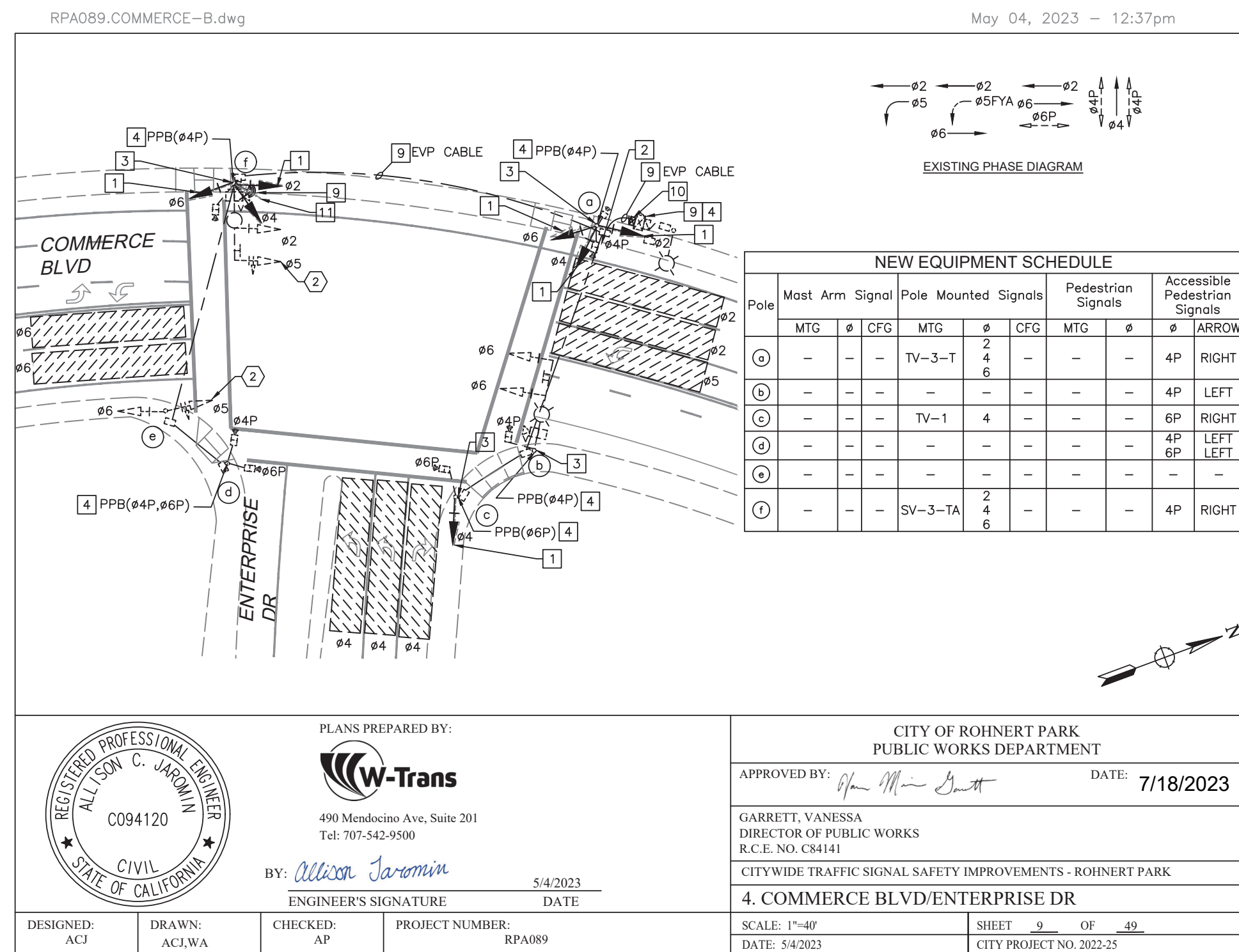
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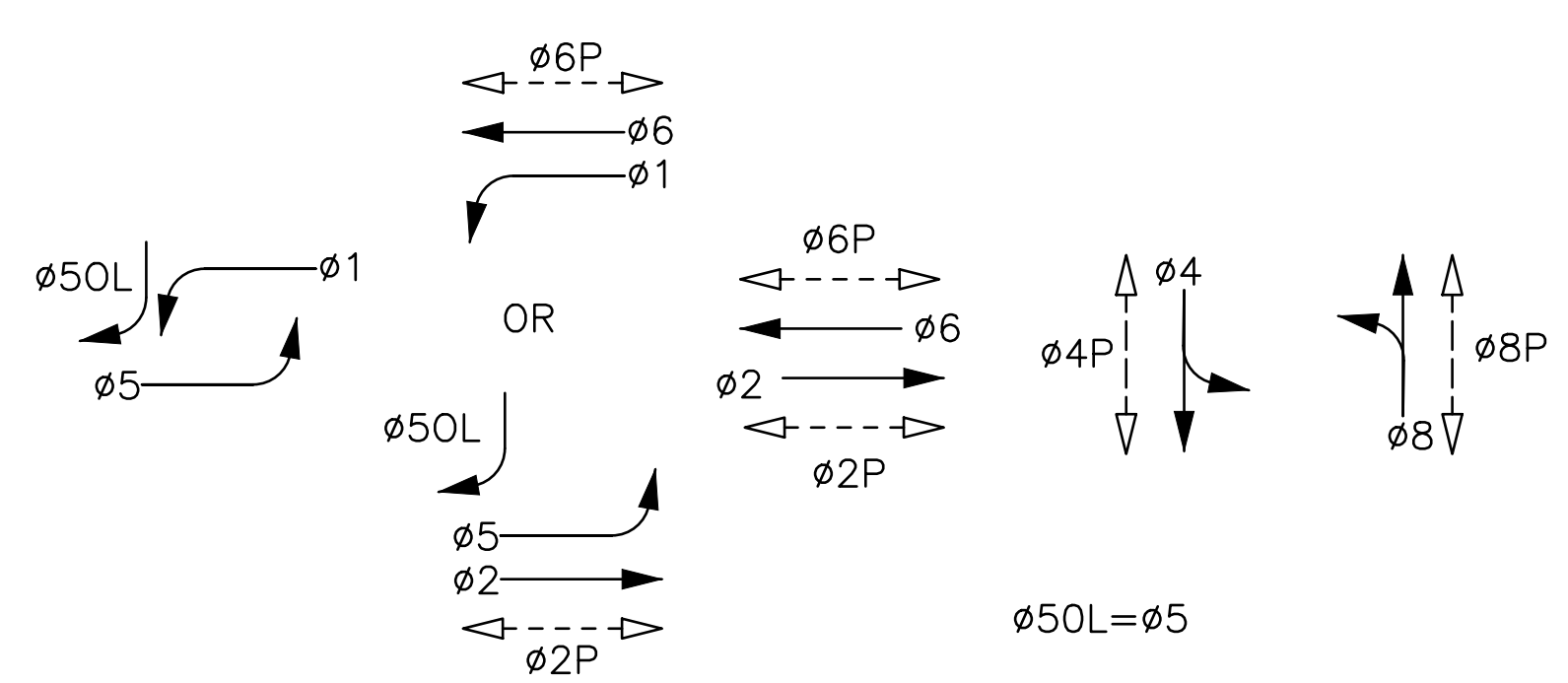
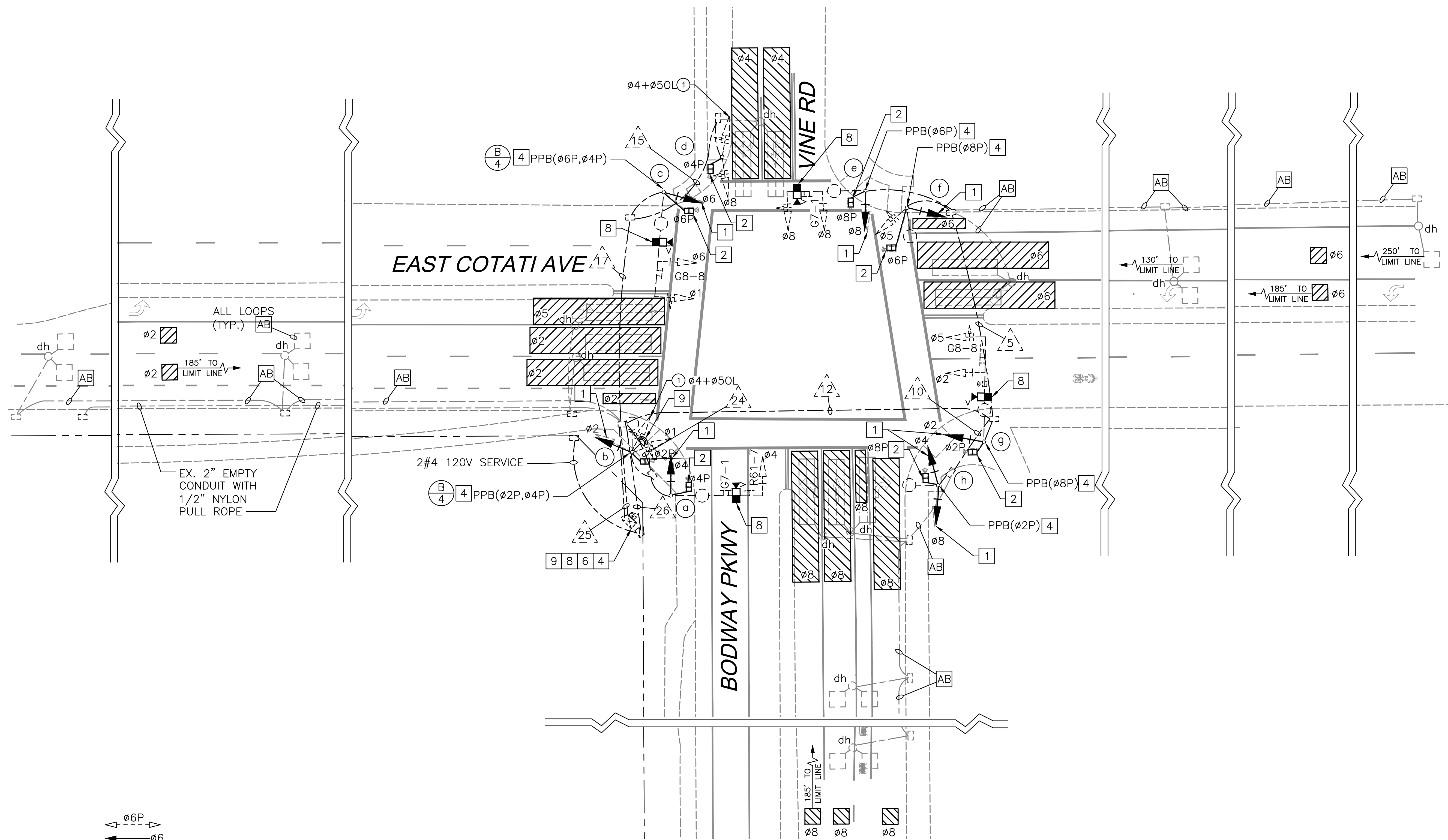
**3. COMMERCE BLVD/AVRAM AVE**

SCALE: 1"=40' SHEET 8 OF 49  
DATE: 5/4/2023 CITY PROJECT NO. 2022-25





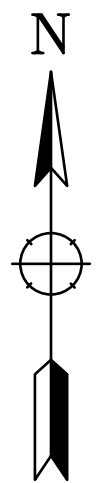
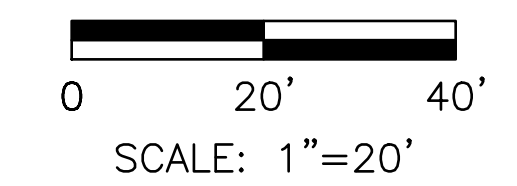
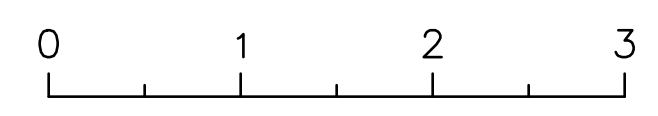




EXISTING PHASE DIAGRAM

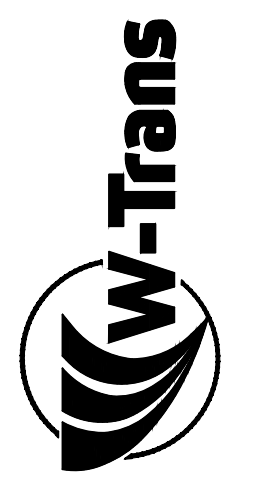
Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer Date

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES



Date	Revision	By

**Whitlock & Weinberger Transportation, Inc.**  
 490 Mendocino Avenue, Suite 201  
 Santa Rosa, CA 95401  
 (707) 542-9500 Fax (707) 542-9590



DESIGNED BY: ACJ  
 CHECKED BY: AP  
 ALISON C. JORDAN, R.C.E. NO. 94120 EXP. 12/31/23

DRAWN BY: [Blank]  
 DATE: 5/4/2023

8. EAST COTATI AVE/BODWAY PKWY  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Ronnett Park

TRAFFIC SIGNAL MODIFICATION

SCALE: 1"=20'  
 DATE: 5/4/2023  
 JOB NO.: RPA089  
 DRAWING NUMBER: 13 OF 49



CONDUCTOR TABLE									
AWG	CIRCUIT	RUNS							
		5	10	12	15	17	24	25	26
NO. 14	Ø1					3	3	6	
	Ø2			3			3	6	
	Ø4		3	3			3	6	
	Ø4+Ø50L				5	5	5	10	
	Ø5	3		6				6	
	Ø6	3		3		3		6	
	Ø8	3	3	6	3	3		9	
	Ø2P			2			2	4	
	Ø4P				2	2	2	4	
	Ø6P	2		2		2		4	
	Ø8P	2	2	4				4	
	APS(Ø2P)		1	1			1	2	
	APS(Ø4P)					1	1	2	
	APS(Ø6P)	1		1		1		2	
	APS(Ø8P)	1		2				2	
PEU						3	3		
SPARES	3		6		6	3	15		
TOTAL No. 14	18	9	39	10	26	26	91	0	
APS COMMON	1	1	1	0	1	1	1	0	
NO. 12	TOTAL No.12	1	1	1	0	1	1	1	0
NO. 8	STREET LIGHT	1	1	1	0	1	1	0	1
	SIGNAL COMMON	1	1	1	1	1	1	1	1
NO. 6	TOTAL No. 8	2	2	2	1	2	2	1	2
	EQUIPMENT GROUND	1	1	1	1	1	1	1	0
TOTAL No. 6	1	1	1	1	1	1	1	0	
DLC	TOTAL DLC	4(AB)		8(AB)		2(AB)		14(AB)	
VIDS	CAT5e CABLE	1(N)		1(N)		1(N)	1(N)	4(N)	
EVP	GPS/RADIO UNIT CABLE					1(N)	1(N)		
CONDUIT SIZE (INCHES)		2-4"	2"	2-4"	2"	2"	2"	2-4"	1.5"
CONDUIT FILL (PERCENT)		4%	12%	7%	10%	33%	29%	15%	6%

(N) = NEW, (AB) = ABANDON CABLES,

ALL CABLES AND CONDUCTORS ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.

POLE AND EQUIPMENT SCHEDULE													
No.	STANDARD			VEHICLE SIGNAL				PED SIGNAL		APS		LED LUMINAIRE (W)	SPECIAL REQUIREMENTS
	TYPE	SMA	LMA	MAST MTG	ARM Ø	POLE MTG	Ø	Ø	MTG	Ø	ARROW		
a	24-4-80	35	12	MAT	4	SV-1-T (N)	4(N)	4P (N)	SP-1-T (N)	-	-	55	R34, G7-1, INSTALL VIDEO DETECTION CAMERA ON SIGNAL MAST ARM
b	15	-	12	-	-	SV-3-TB (N)	1 2(N) 4+50L	2P (N)	SP-1-T (N)	2P(N) 4P(N)	LEFT RIGHT	55	INSTALL GPS/RADIO UNIT ON TRAFFIC SIGNAL POLE. INSTALL PUSH BUTTON ADAPTER FOR BOTH APS BUTTONS.
c	26-4-80	40	12	MAT MAS	1 6	SV-1-T (N)	6(N)	6P (N)	SP-1-T (N)	4P(N) 6PN	LEFT RIGHT	55	G8-8, INSTALL VIDEO DETECTION CAMERA ON SIGNAL MAST ARM. INSTALL PUSH BUTTON ADAPTER FOR BOTH APS BUTTONS.
d	1-B	-	-	-	-	TV-2-T	8 4+50L	4P (N)	SP-1-T (N)	-	-	-	
e	19-4-80	25	12	MAT MAS	8 8	SV-1-T (N)	8(N)	8P (N)	SP-1-T (N)	6P(N)	RIGHT	55	R3-4, G7-1, INSTALL VIDEO DETECTION CAMERA ON SIGNAL MAST ARM
f	15	-	12	-	-	SV-2-TA (N)	5 6(N)	6P (N)	SP-1-T (N)	8P(N)	RIGHT	55	
g	26-4-80	45	12	MAT MAS	5 2	SV-1-T (N)	2(N)	2P (N)	SP-1-T (N)	8P(N)	LEFT	55	G8-8, INSTALL VIDEO DETECTION CAMERA ON SIGNAL MAST ARM
h	15	-	12	-	-	SV-2-TA (N)	4(N) 8(N)	8P (N)	SP-1-T (N)	2P(N)	RIGHT	55	

(N) = NEW; ALL EQUIPMENT IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.

Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer

Date	Revision	By

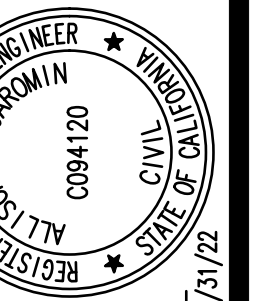
SCALE 1"=20'  
 DATE 5/4/2023  
 JOB NO. RPA089  
 DRAWING NUMBER 14 OF 49

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

Whitlock & Weinberger  
 Transportation, Inc.  
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 Santa Rosa, CA 95401  
 (707) 542-9500 Fax (707) 542-9590



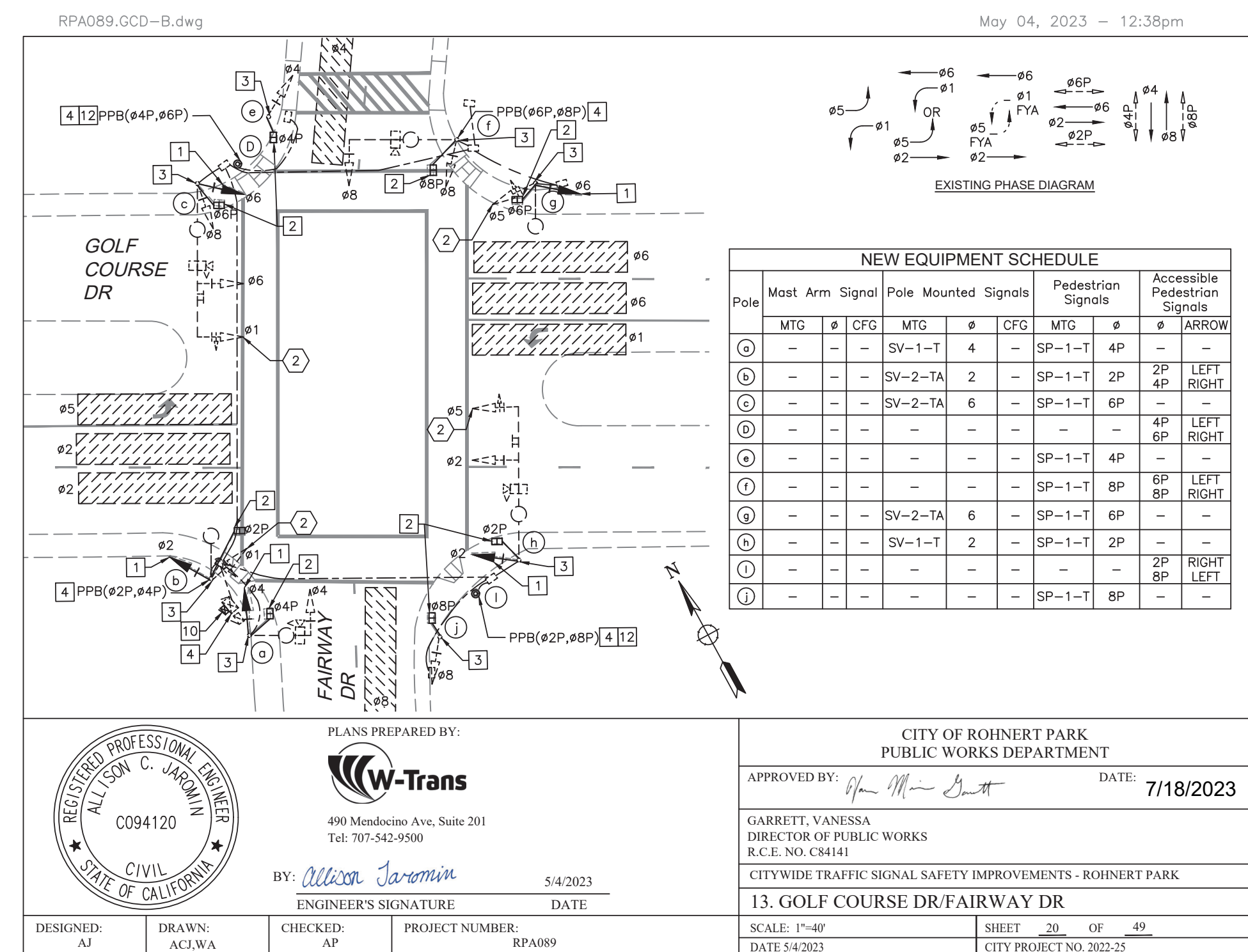
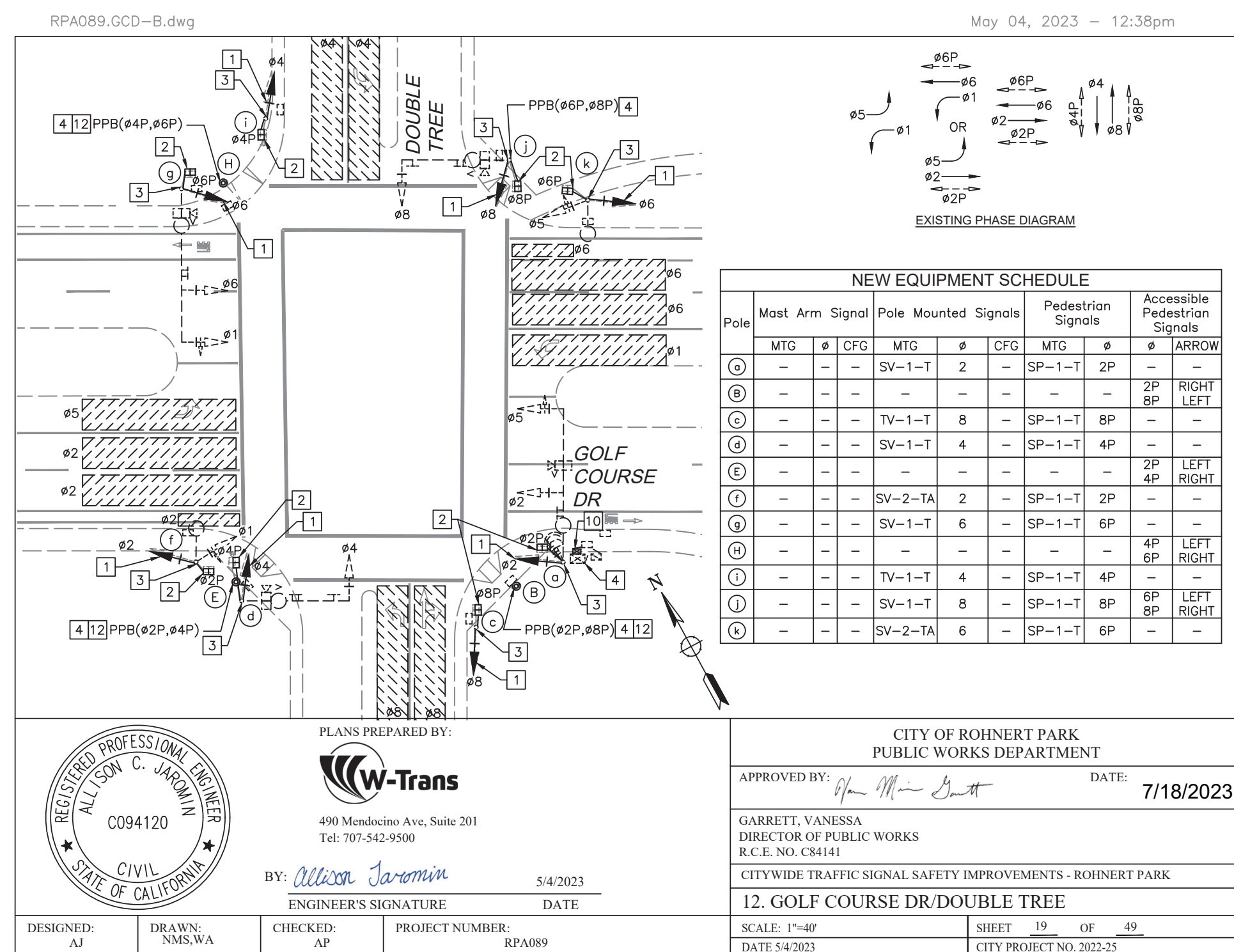
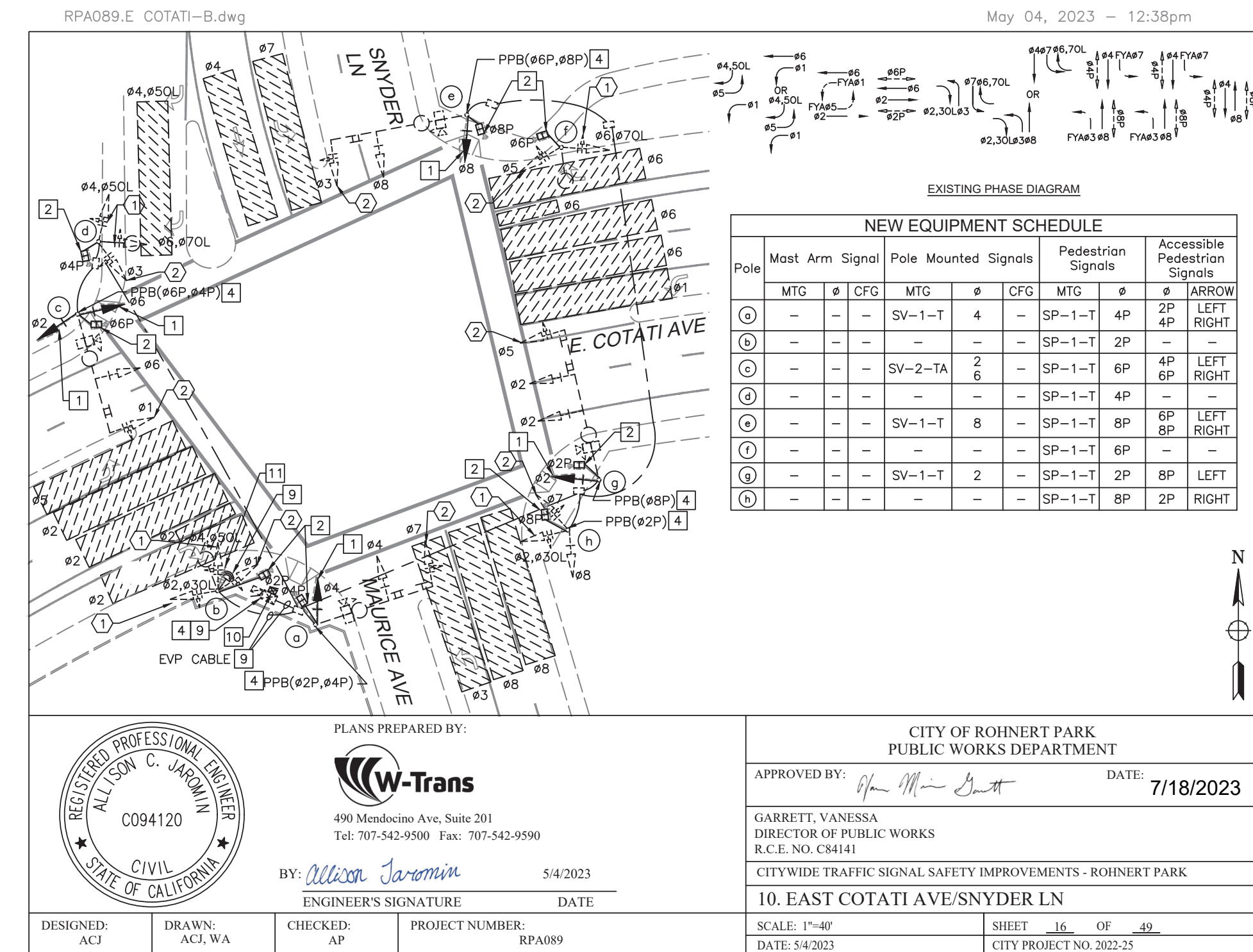
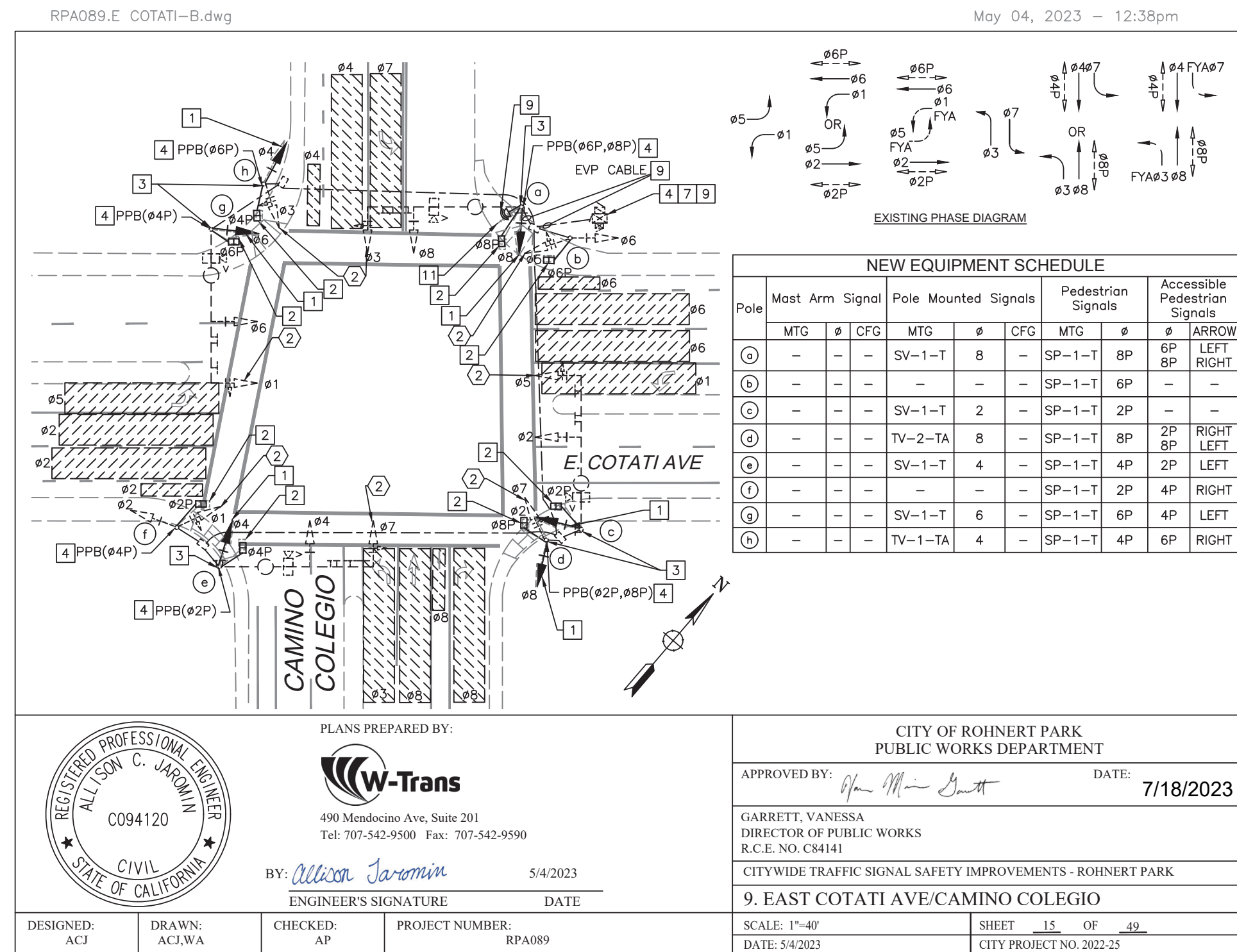
DRAWN BY  
 CHECKED BY  
 DESIGNED BY  
 DATE 5/4/2023



ALISON C. JARMAN, R.C.E. NO. 9420 EXP. 12/31/23

8. EAST COTATI AVE/BODWAY PKWY  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Rohmert Park  
 TRAFFIC SIGNAL SCHEDULES







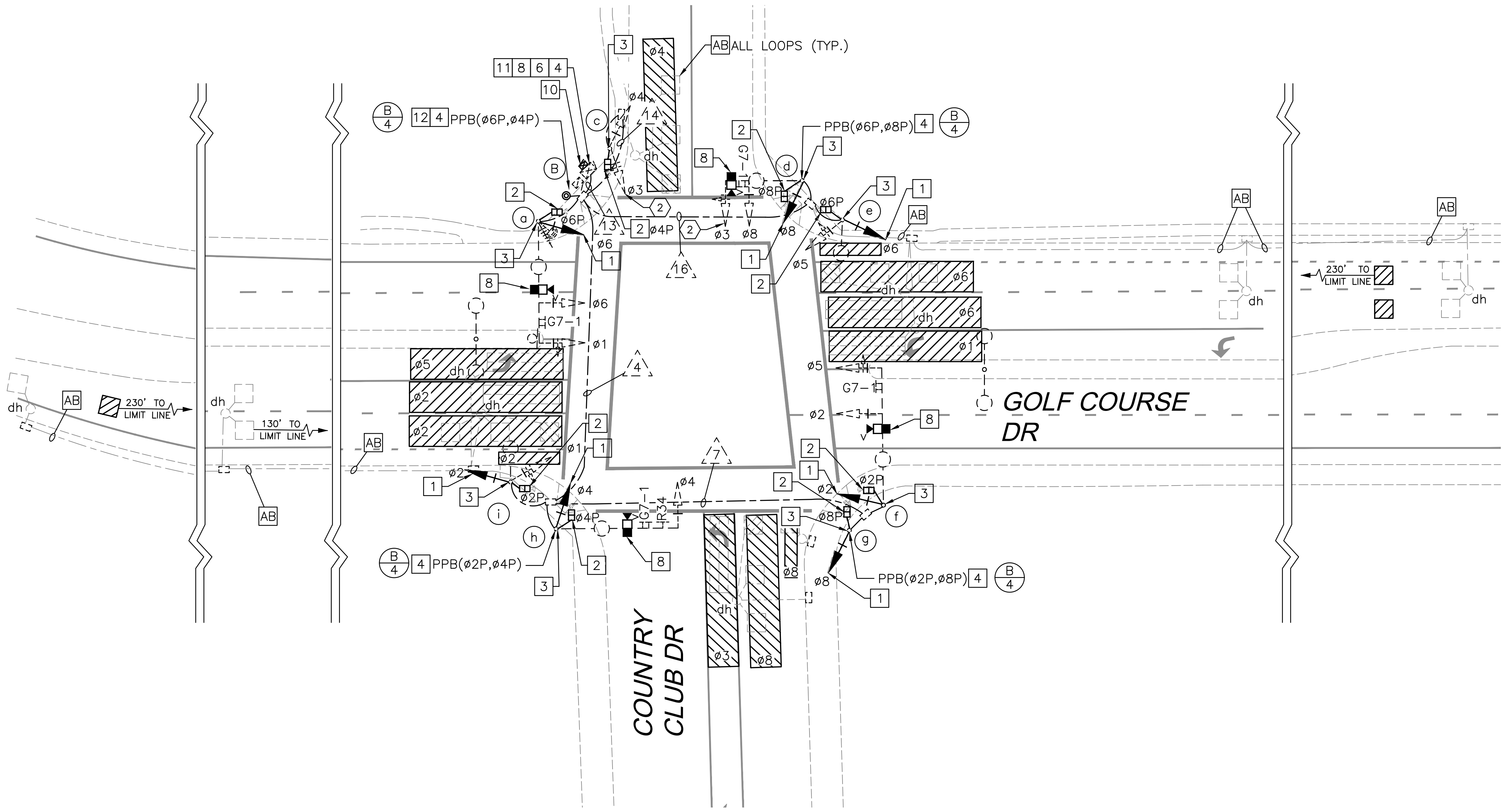
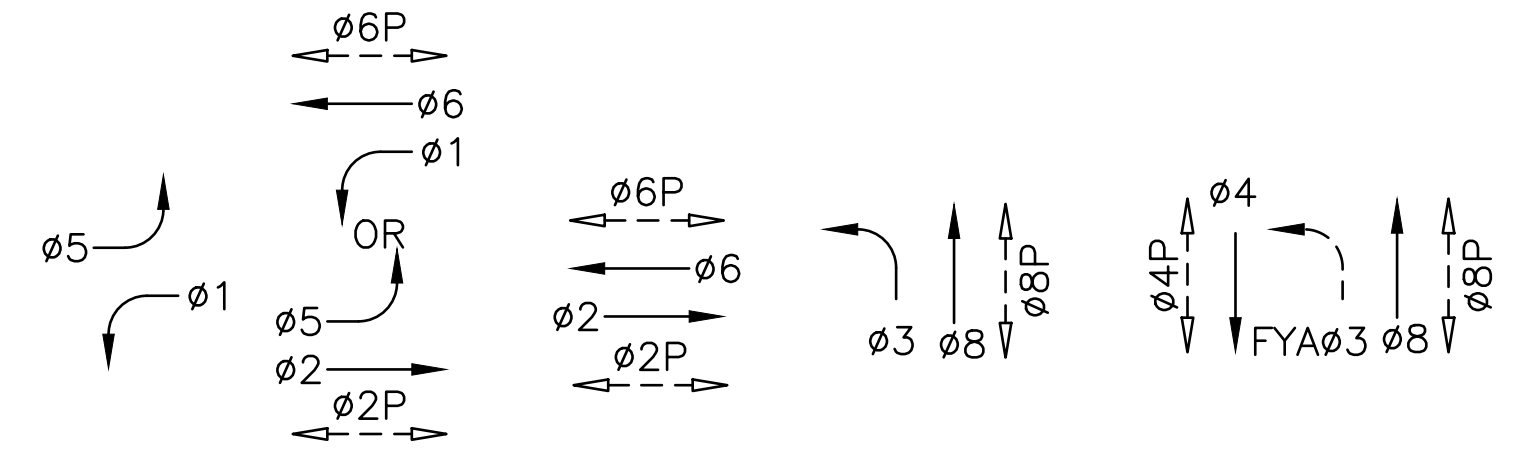


DESIGNED BY: ACJ  
CHECKED BY: AP  
DRAWN BY: ACJ  
DATE: 5/4/2023

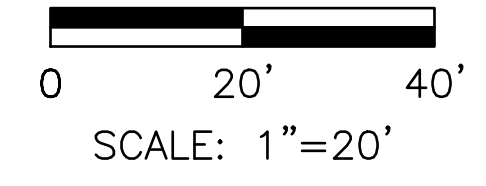
REGISTERED PROFESSIONAL ENGINEER  
ALISON C. JAROMIN  
008420  
REGISTERED CIVIL ENGINEER  
STATE OF CALIFORNIA

11. GOLF COURSE DRIVE/COUNTRY CLUB DRIVE  
CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
Rohnert Park

TRAFFIC SIGNAL MODIFICATION



Approved: *Vanessa Garrett* 7/18/2023  
Vanessa Garrett  
City Engineer



FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

0 1 2 3

Date	Revision	By

SCALE: 1"=20'  
DATE: 5/4/2023  
JOB NO.: RPA089  
DRAWING NUMBER: 17 OF 49



CONDUCTOR TABLE						
AWG	CIRCUIT	RUNS				
		△4	△7	△13	△14	△16
NO. 14	Ø1	3		3		
	Ø2	6	3	6		
	Ø3			6	3	3
	Ø4	3		6	3	
	Ø5	3	3	6		3
	Ø6			6		3
	Ø8	3	3	6		3
	Ø2P	4	2	4		
	Ø4P	2		4	2	
	Ø6P			4		2
	Ø8P	2	2	4		2
	PBA(Ø2P)	2	1	2		
	PBA(Ø4P)	1		2		
	PBA(Ø6P)			2		1
	PBA(Ø8P)	1	1	2		1
	PEU					
	SPARES	3	3	3	0	3
	TOTAL No. 14	33	18	66	8	21
PBA COMMON	1	1			1	
TOTAL No.12	1	1	0	1	1	
SIGNAL COMMON	1	1	0	0	0	
STREET LIGHT	2	2				
TOTAL No. 8	3	3	0	0	0	
EQUIPMENT GROUND	1	1	1	1	1	
120/240V SERVICE						
TOTAL No. 6	1	1	1	1	1	
DLC	TOTAL DLC	6(AB)	2(AB)	11(AB)	1(AB)	4(AB)
VIDS	CAT5e CABLE	2(N)	1(N)	4(N)	0	1(N)
EVP	GPS/RADIO UNIT CABLE					
CONDUIT SIZE (INCHES)		3	3	3	2	3
CONDUIT FILL (PERCENT)		24	13	40	9	14

(N) = NEW, (AB) = ABANDON CABLES, ALL CABLES AND CONDUCTORS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

POLE AND EQUIPMENT SCHEDULE													
No.	STANDARD			VEHICLE SIGNAL				PED SIGNAL		APS		LED LUMINAIRE	SPECIAL REQUIREMENTS
	TYPE	SMA	LMA	MAST	ARM	POLE		Ø	MTG	Ø	ARROW		
				MTG	Ø	MTG	Ø						
(a)	26-4-80	40	12	MAT MAS	1 6	SV-1-T (N)	6(N)	6P (N)	SP-1-T (N)	-	-	68	G7-1, EXISTING GPS/RADIO UNIT, INSTALL VIDEO CAMERA ON SIGNAL.
(B)	PPB POST (N)	-	-	-	-	-	-	-	-	4P(N) 6P(N)	LEFT RIGHT	-	INSTALL PUSH BUTTON ADAPTER FOR BOTH APS BUTTONS.
(c)	1-B	-	-	-	-	TV-2-T	3 4	4P (N)	SP-1-T (N)	-	-	-	
(d)	19-2-80	25	12	MAT MAS	3 8	SV-1-T (N)	8(N)	8P (N)	SP-1-T (N)	6P(N) 8P(N)	LEFT RIGHT	68	G7-1, VIDEO CAMERA ON SIGNAL. INSTALL PUSH BUTTON ADAPTER FOR BOTH APS BUTTONS.
(e)	15	-	12	-	-	SV-2-TA (N)	5 6(N)	6P (N)	SP-1-T (N)	-	-	68	
(f)	26-4-80	45	12	MAT MAS	5 2	SV-1-T (N)	2(N)	2P(N)	SP-1-T (N)	-	-	68	G7-1, INSTALL VIDEO CAMERA ON SIGNAL.
(g)	1-B	-	-	-	-	TV-1-T (N)	8(N)	8P (N)	SP-1-T (N)	2P(N) 8P(N)	RIGHT LEFT	-	INSTALL PUSH BUTTON ADAPTER FOR BOTH APS BUTTONS.
(h)	26-3-80	40	12	MAT	4	SV-1-T (N)	4(N)	4P (N)	SP-1-T (N)	2P(N) 4P(N)	LEFT RIGHT	68	G7-1, R34, INSTALL VIDEO CAMERA ON SIGNAL. INSTALL PUSH BUTTON ADAPTER FOR BOTH APS BUTTONS.
(i)	15	-	12	-	-	SV-2-TA (N)	2(N) 1	2P (N)	SP-1-T (N)	-	-	68	

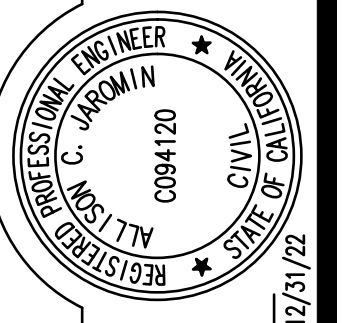
Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer

Date	Revision	By

Whitlock & Weinberger  
 Transportation, Inc.  
 490 Mendocino Avenue, Suite 201  
 Santa Rosa, CA 95401  
 (707) 542-9500 Fax (707) 542-9590



DESIGNED BY  
 ACJ  
 CHECKED BY  
 AP  
 ALISON G. JARAMIN, R.C.E. NO. 94120 EXP. 12/31/23

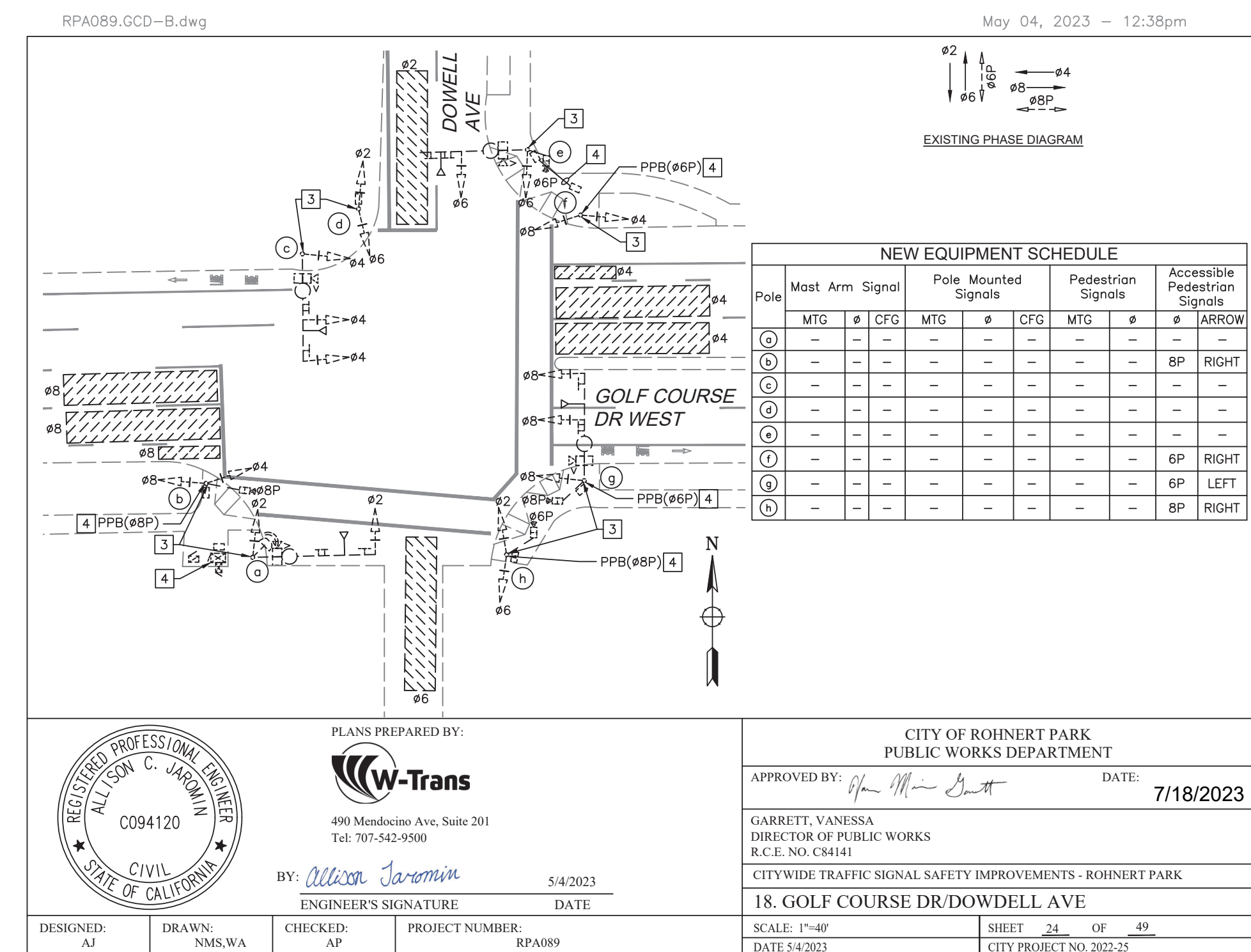
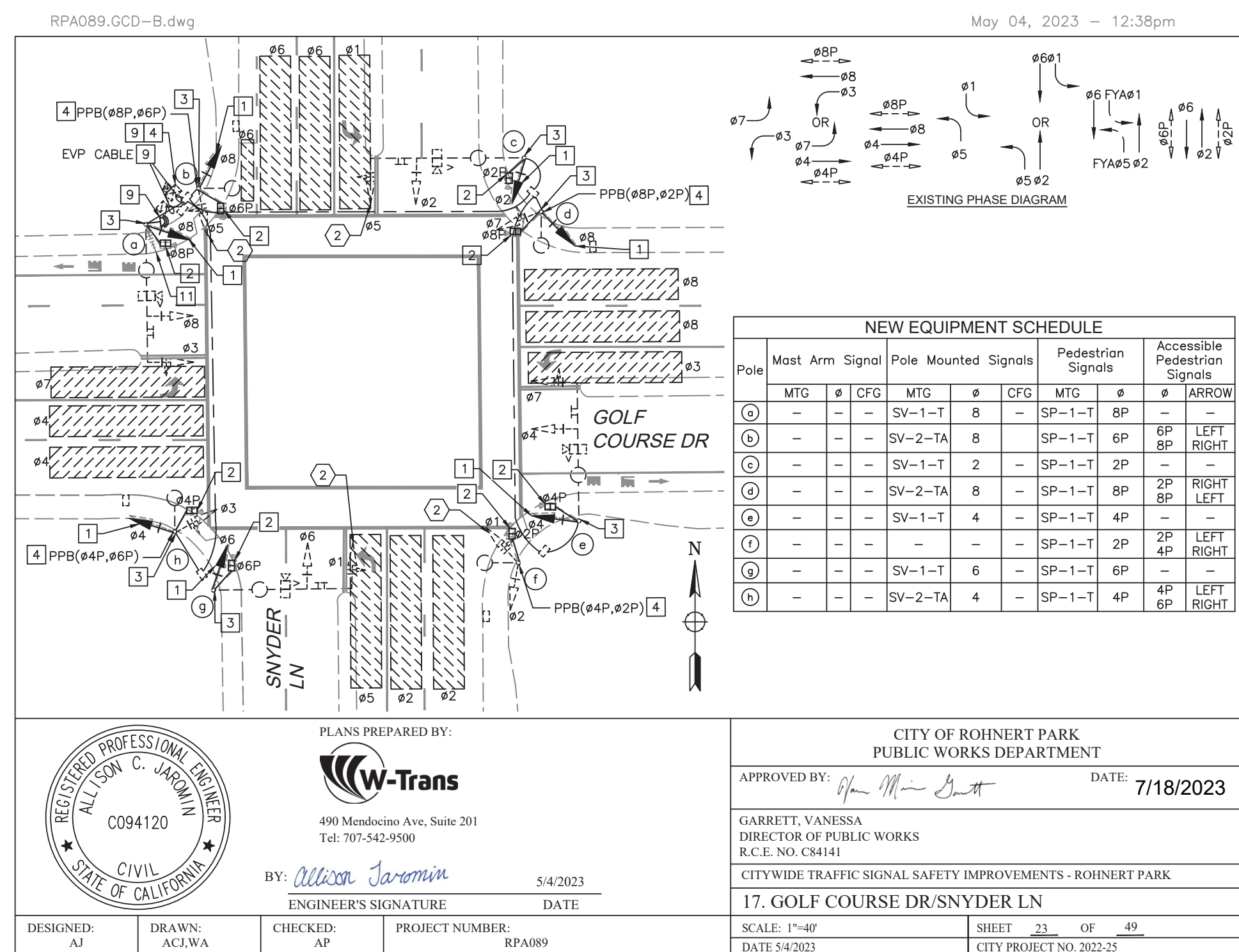
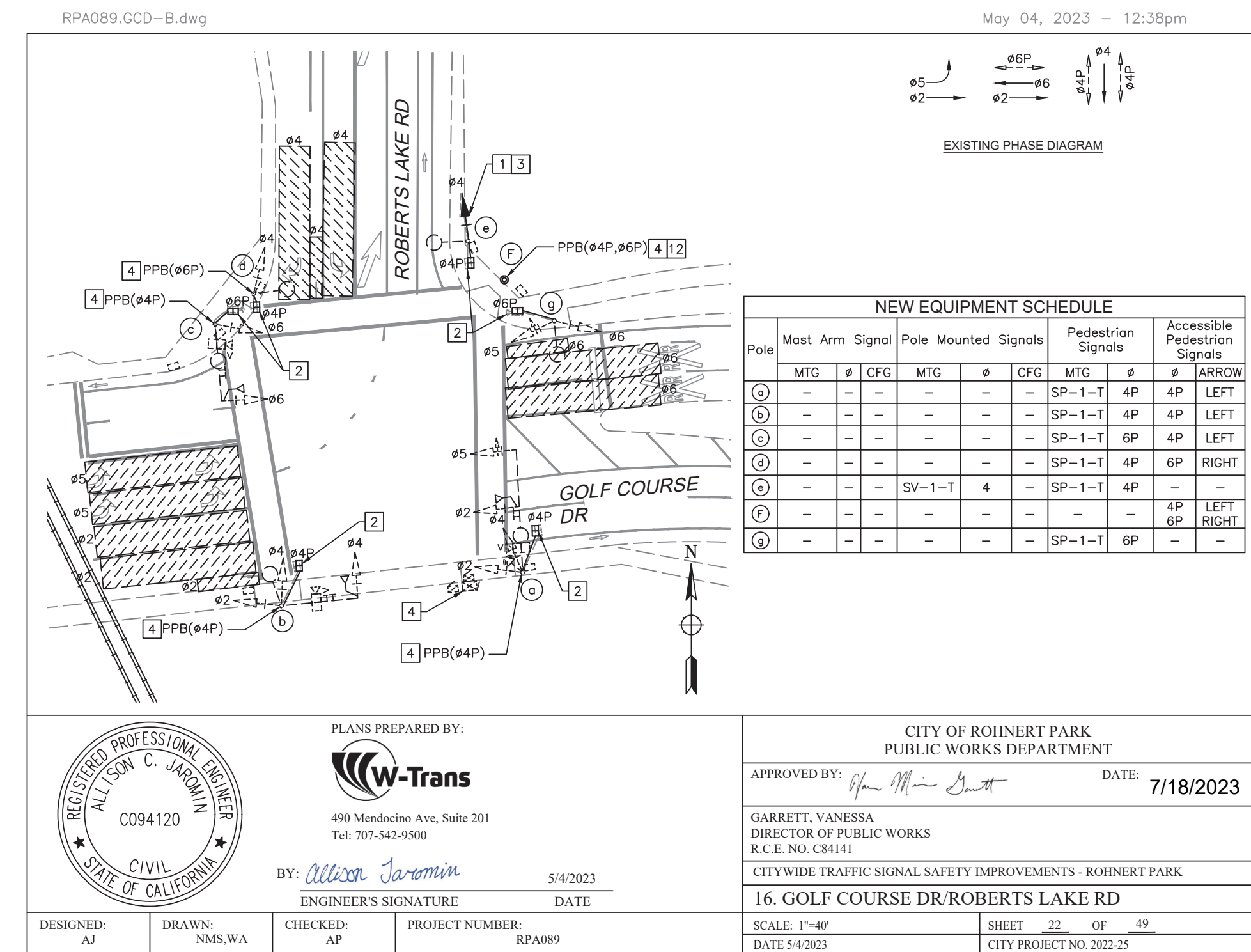
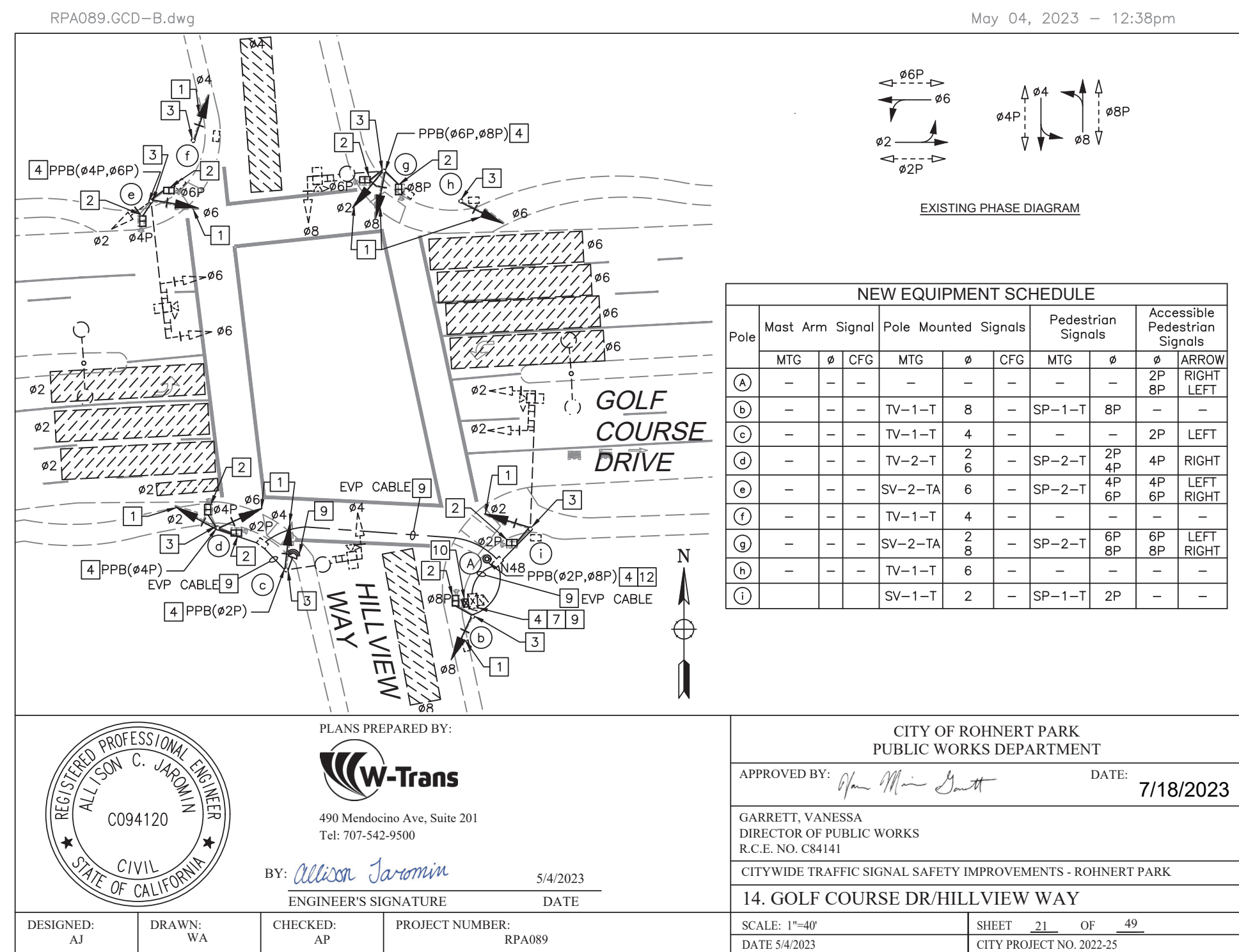


11. GOLF COURSE DRIVE/COUNTRY CLUB DR  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Rohnert Park  
 TRAFFIC SIGNAL SCHEDULES

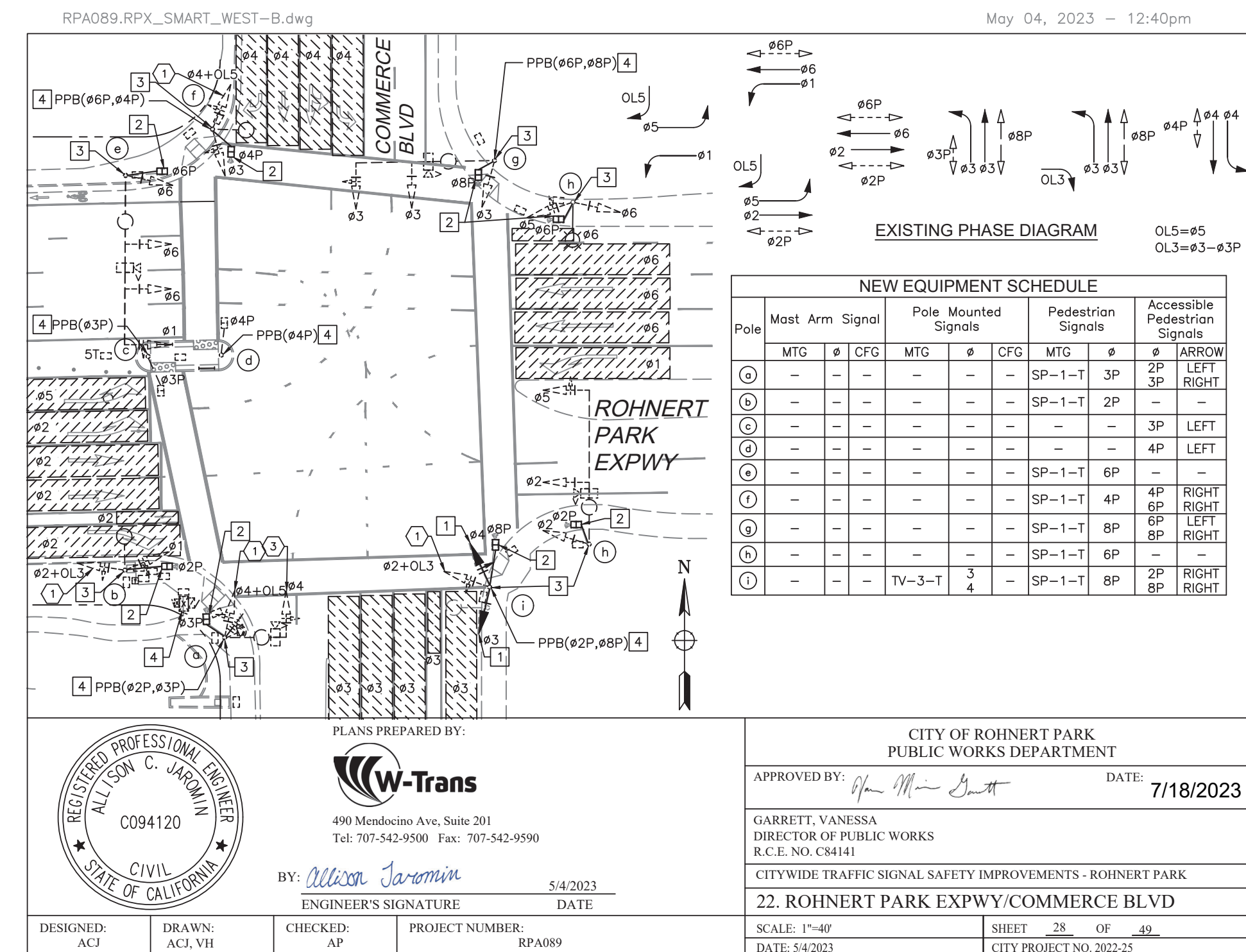
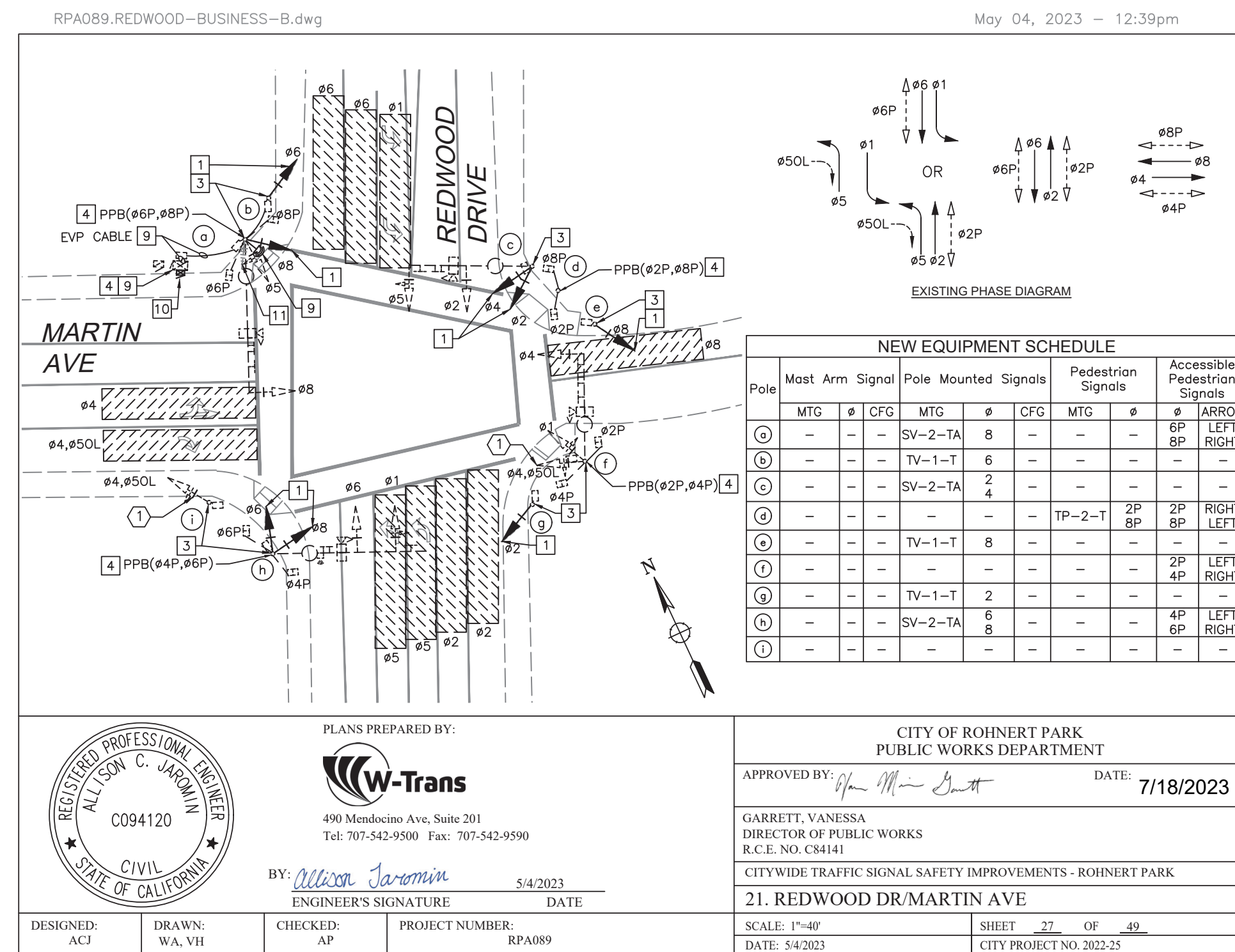
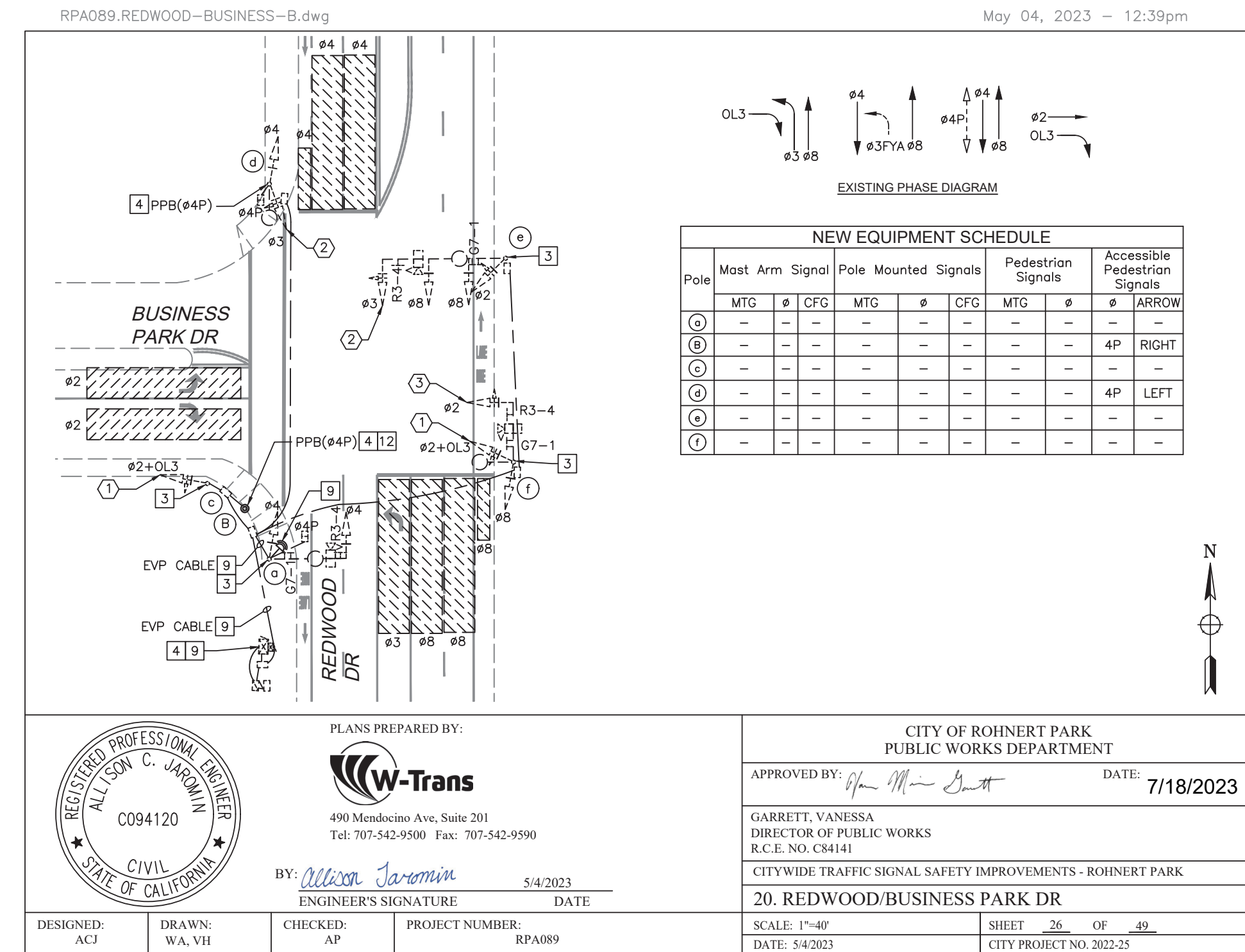
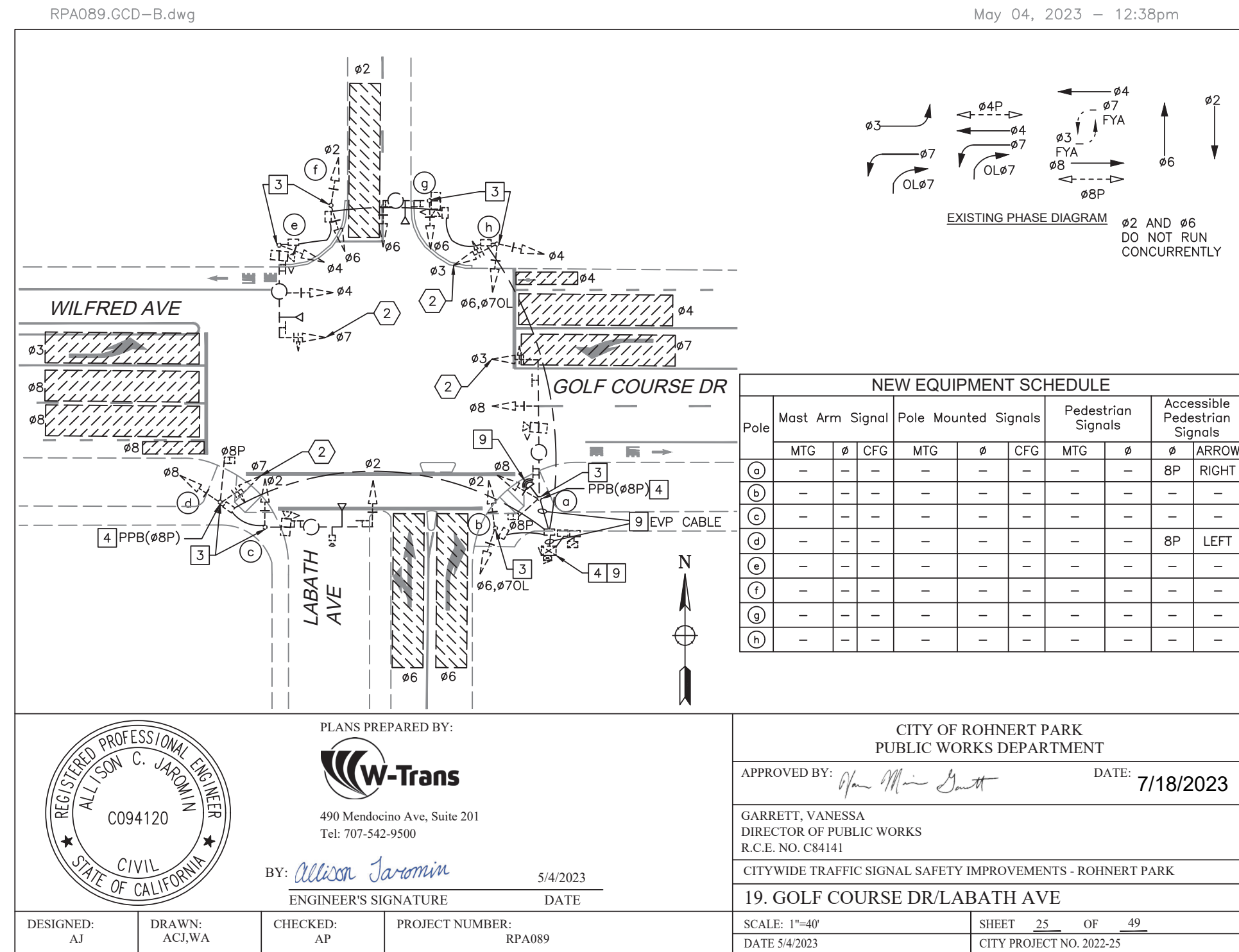
SCALE 1"=20'  
 DATE 5/4/2023  
 JOB NO. RPA089  
 DRAWING NUMBER 18 OF 49

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

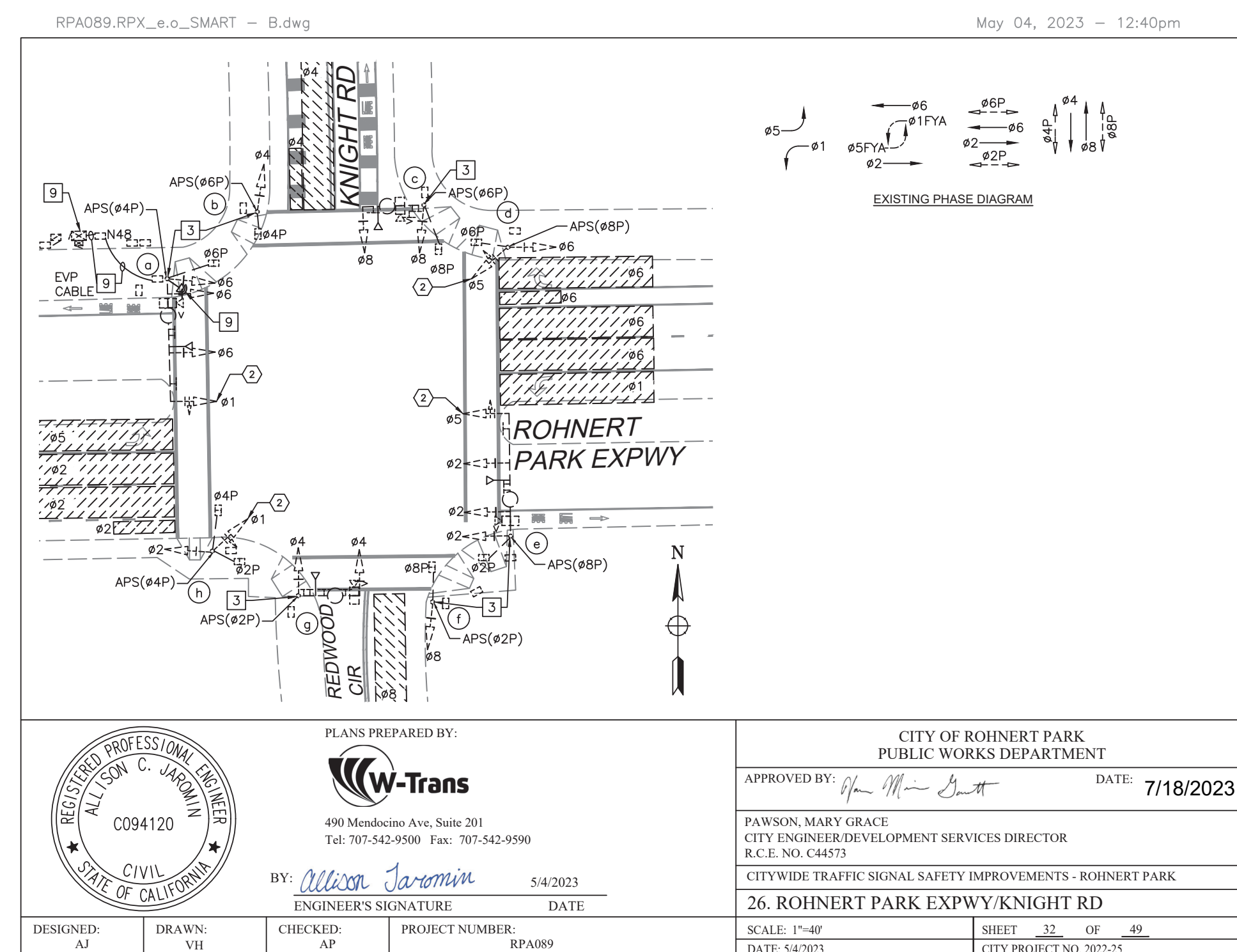
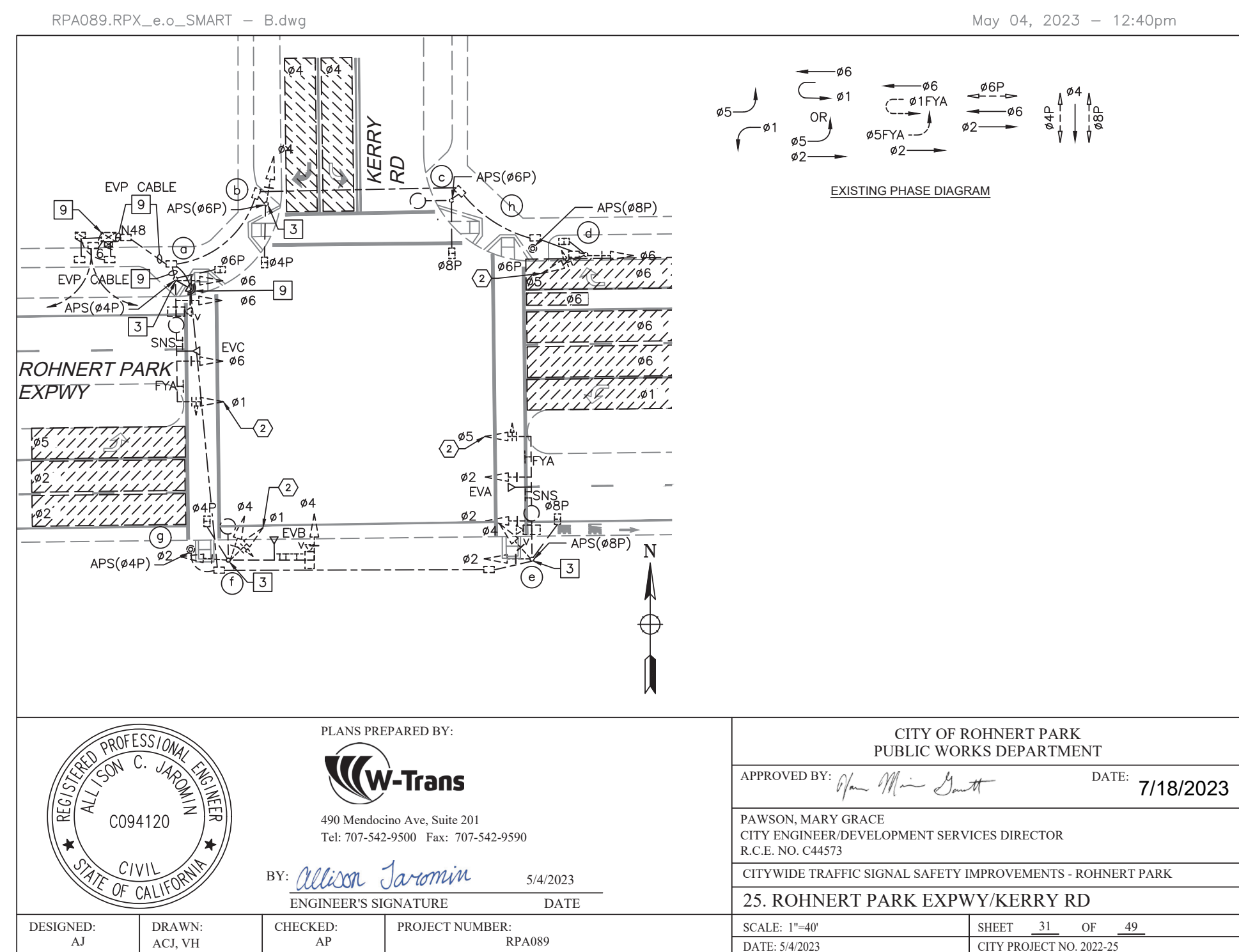
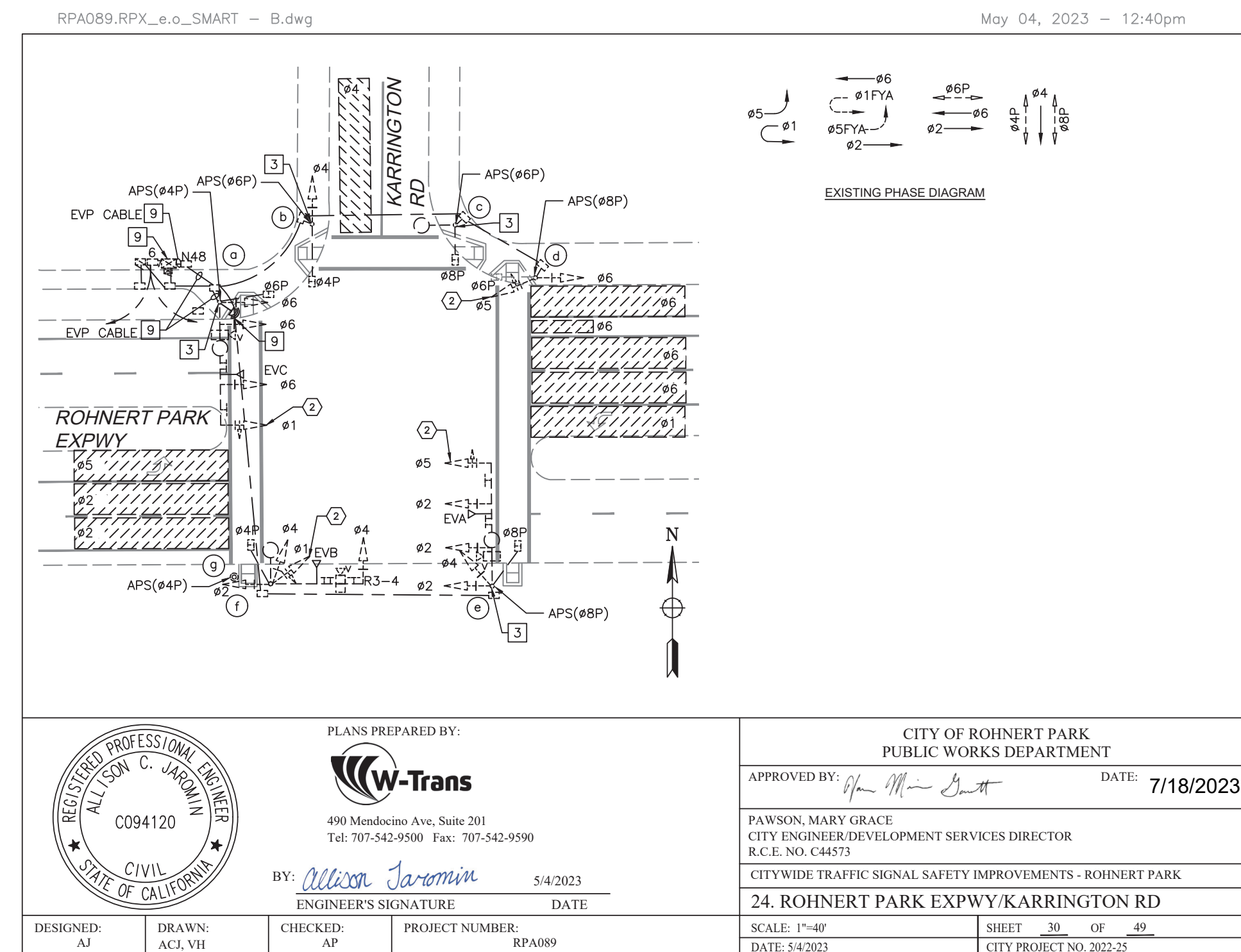
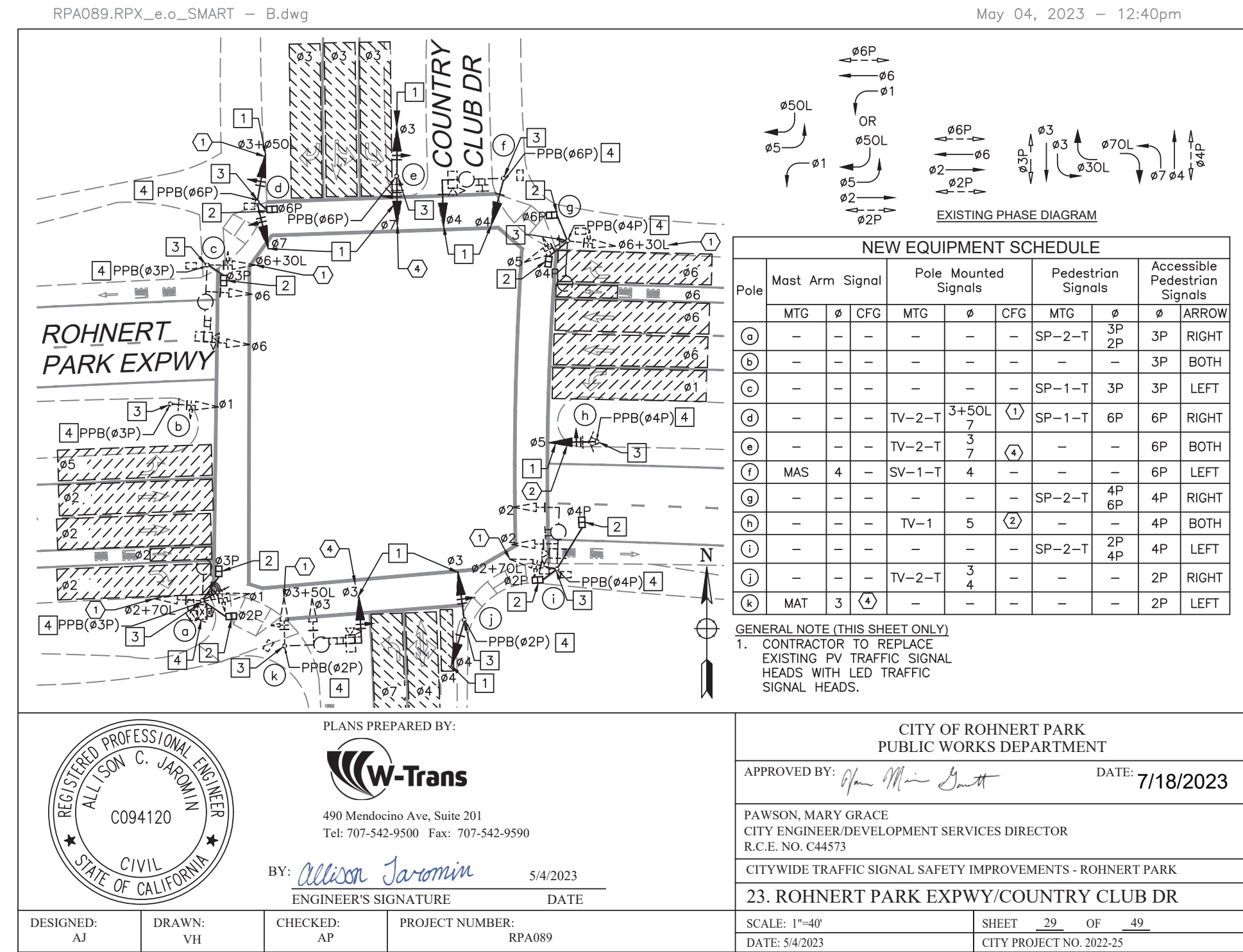




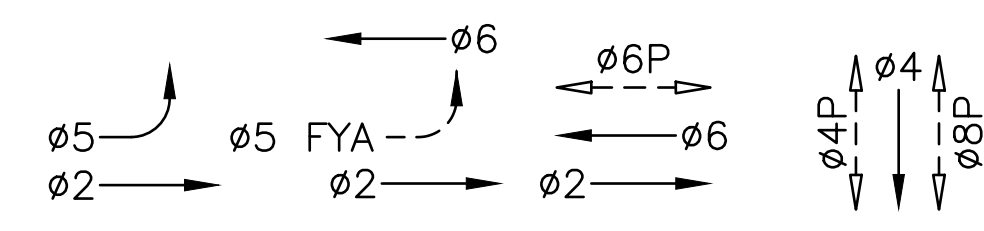




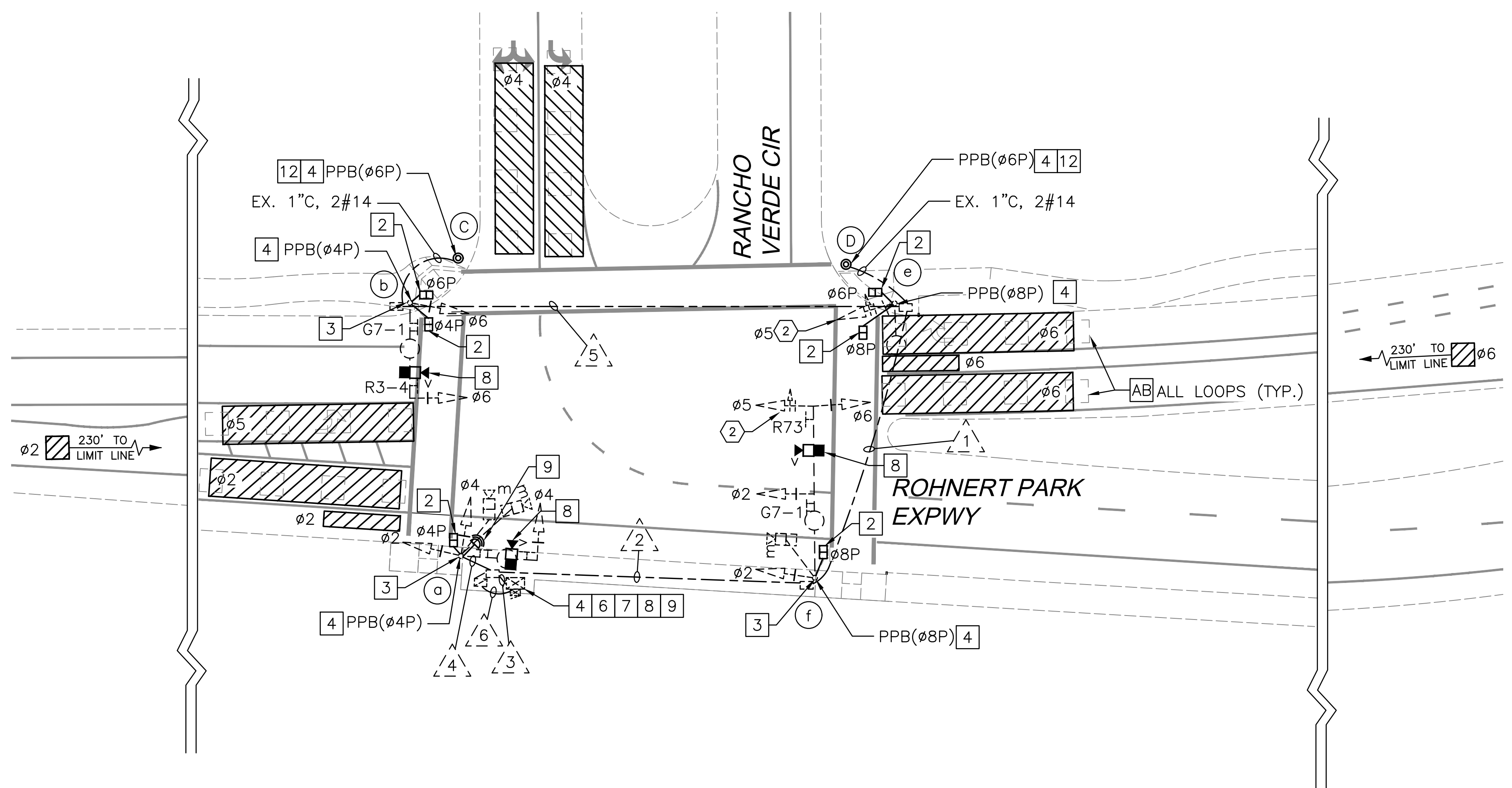




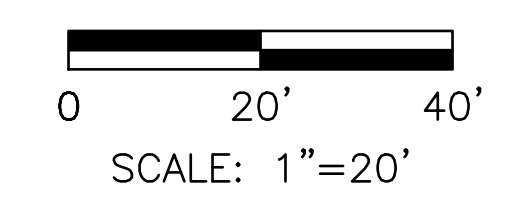
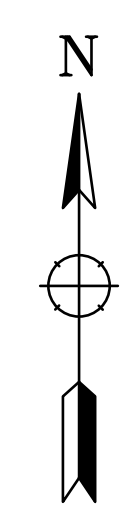




EXISTING PHASE DIAGRAM



Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer Date

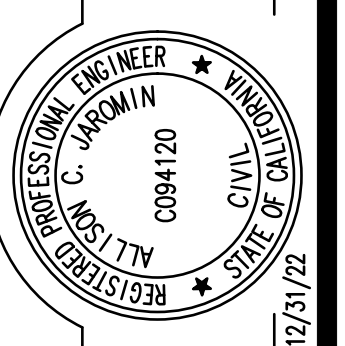


FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

Date	Revision	By

28. ROHNERT PARK EXPWY/RANCHO VERDE CIR  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Rohnert Park

TRAFFIC SIGNAL MODIFICATION



DESIGNED BY: ACJ  
 CHECKED BY: AP  
 Alison Jarman  
 ALISON C. JARMAN, R.C.E. NO. 94120 EXP. 12/31/23

DRAWN BY: ACJ  
 DATE: 5/4/2023



Whitlock & Weinberger  
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CONDUCTOR TABLE							
AWG	CIRCUIT	RUNS					
		△1	△2	△3	△4	△5	△6
NO. 14	∅2		3	6	3		
	∅4			3	3		
	∅5	3	6	6			
	∅6	3	6	6		3	
	∅4P	2	2	4	2	2	
	∅6P	4	4	4		2	
	∅8P	2	2	4			
	APS(∅4P)	2	2	4	2	2	
	APS(∅6P)	4	4	4		2	
	APS(∅8P)	2	4	4			
	PEU			3			3
	SPARES	6	9	9			
	TOTAL No. 14	28	42	57	10	11	3
	NO. 10	LIGHTING	4	4		2	2
NO. 8	SIGNAL NEUTRAL	1	1	1		1	1
DLC	TOTAL DLC						
VIDS	CAT5e CABLE	1(N)	3(N)	2(N)		1(N)	1(N)
	MICROWAVE	1	2	4	2	1	
EVP	GPS/RADIO UNIT CABLE	1(N)	1(N)				
	CONDUIT SIZE (INCHES)	3	3	2-3	2	3	2
	CONDUIT FILL (PERCENT)	17	29	16	20	10	11

(N)=NEW, (AB)=ABANDON CABLES

ALL CABLES AND CONDUCTORS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED

POLE AND EQUIPMENT SCHEDULE													
No.	STANDARD			VEHICLE SIGNAL				PED SIGNAL		APS		LED LUMINAIRE	SPECIAL REQUIREMENTS
	TYPE	SMA	LMA	MAST ARM		POLE		∅	MTG	∅	ARROW		
				MTG	∅	MTG	∅						
a	17-3-100	20	12	MAS	4	SV-2-TA	2 4	4P (N)	SP-1-T (N)	4P (N)	LEFT	56	G7-1, R3-8, INSTALL VIDEO CAMERA ON SIGNAL MAST ARM, INSTALL GPS/RADIO UNIT ON TRAFFIC SIGNAL POLE.
b	19-4-100	25	12	MAS	6	SV-2-T	6	4P (N)	SP-1-T (N)	4P (N)	LEFT	56	G7-1, R3-4, INSTALL VIDEO CAMERA ON SIGNAL MAST ARM.
c	APS POST (N)	-	-	-	-	-	-	-	-	6P (N)	RIGHT	-	
d	APS POST (N)	-	-	-	-	-	-	-	-	6P (N)	LEFT	-	
e	15TS	-	12	-	-	SV-1-T	5	6P (N) 4P (N)	SP-2-T (N)	8P (N)	RIGHT	56	
f	26-4-100	45	12	MAS MAS MAS	5 6 2	SV-1-T	2	8P (N)	SP-1-T	8P (N)	RIGHT	56	PHASE 6 VEHICLE HEAD PHASING WB, G7-1, R73, INSTALL VIDEO CAMERA ON SIGNAL MAST ARM.

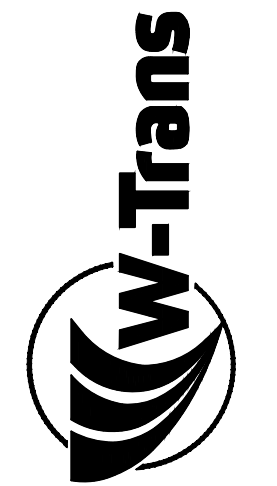
Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

Date	Revision	By

SCALE 1"=20'  
 DATE 5/4/23  
 JOB NO. RPA089  
 DRAWING NUMBER 35 OF 49

Whitlock & Weinberger  
 Transportation, Inc.  
 490 Mendocino Avenue, Suite 201  
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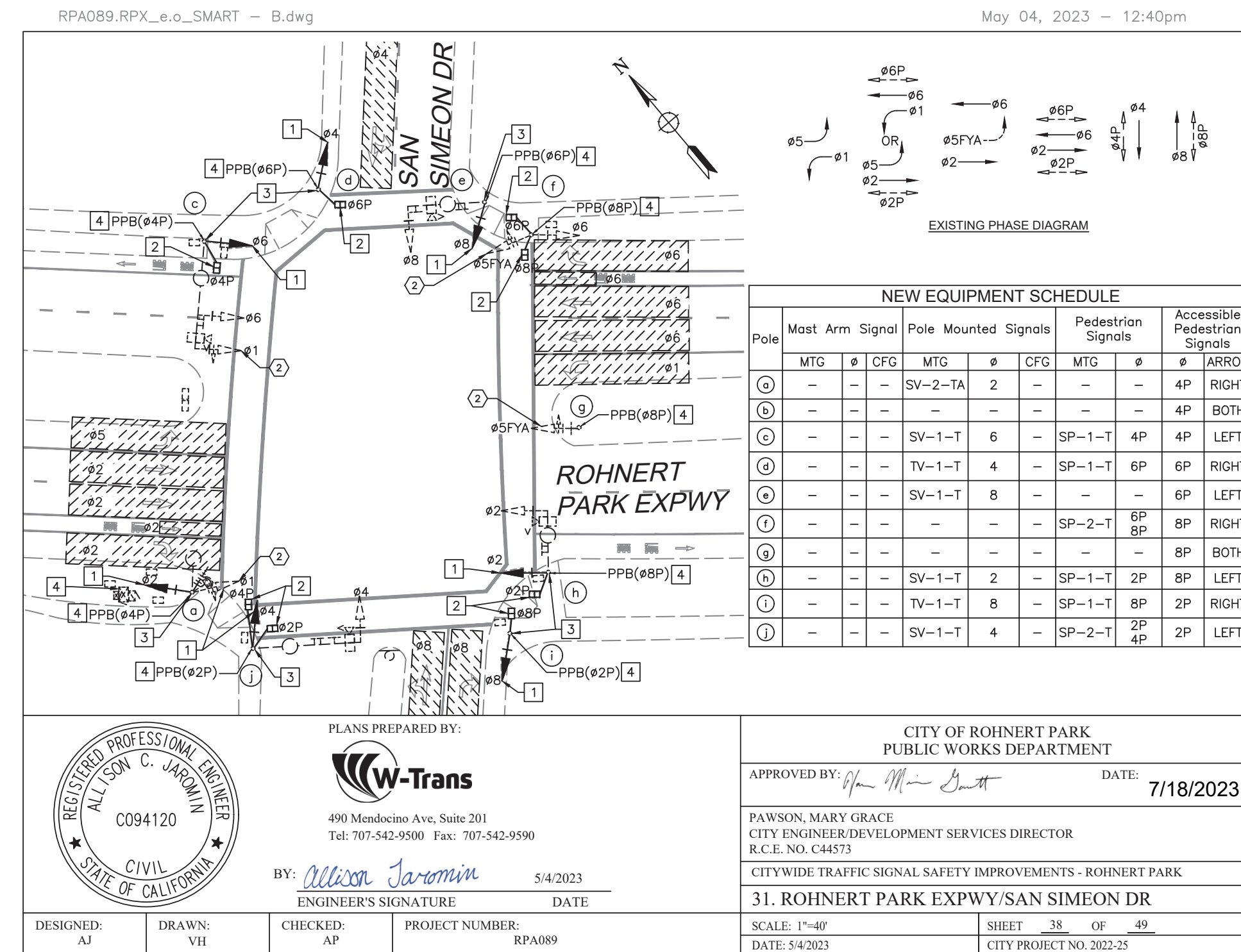
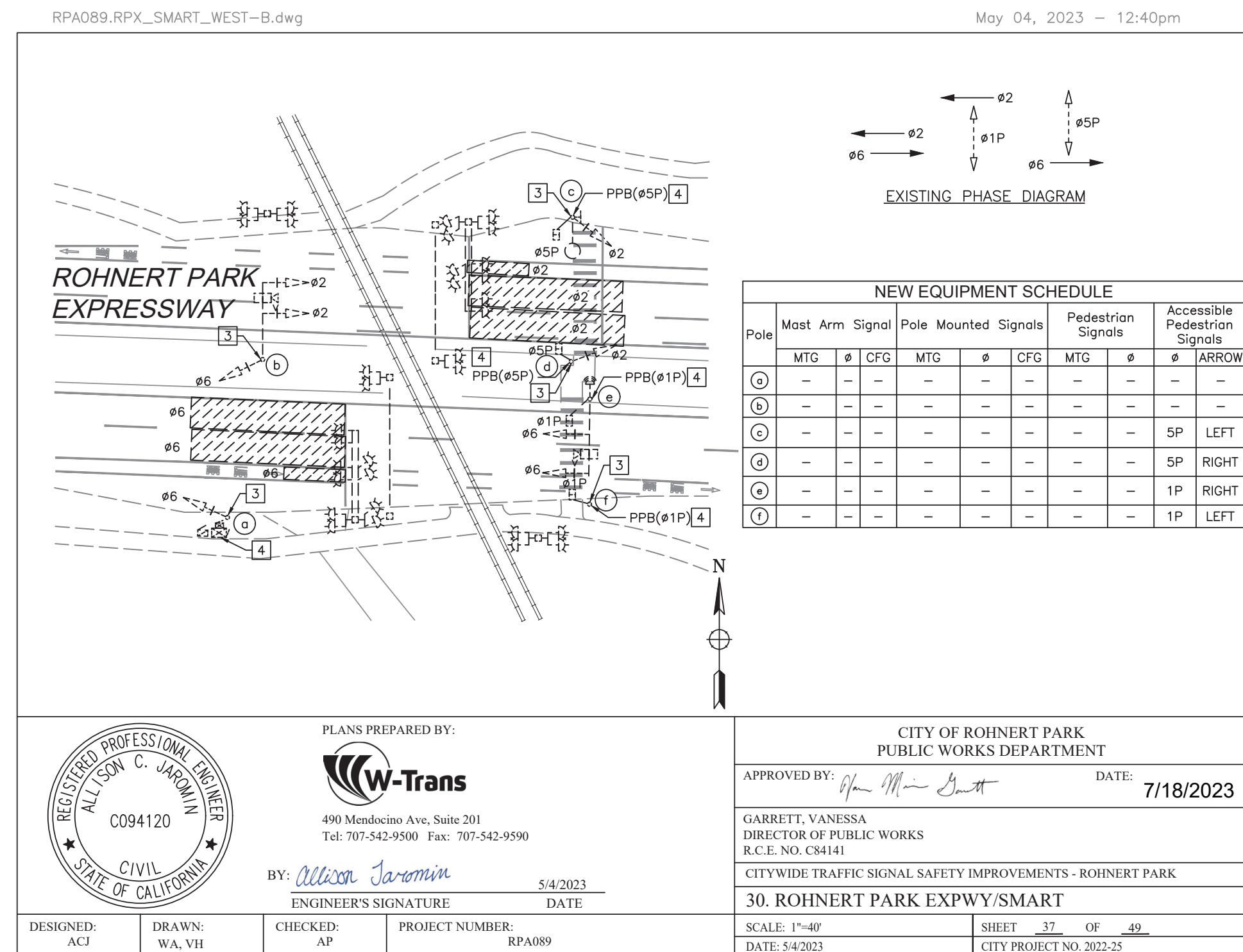
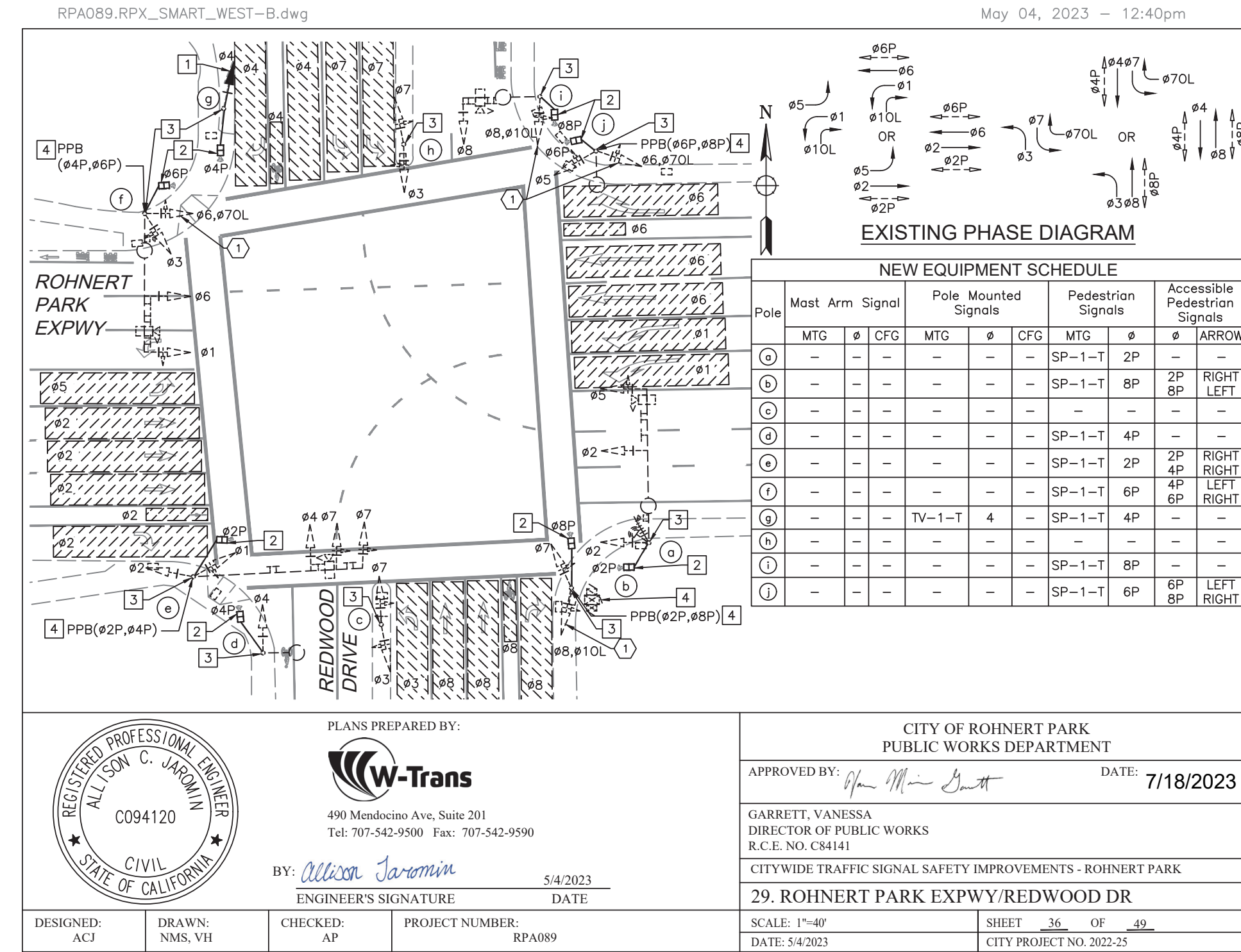
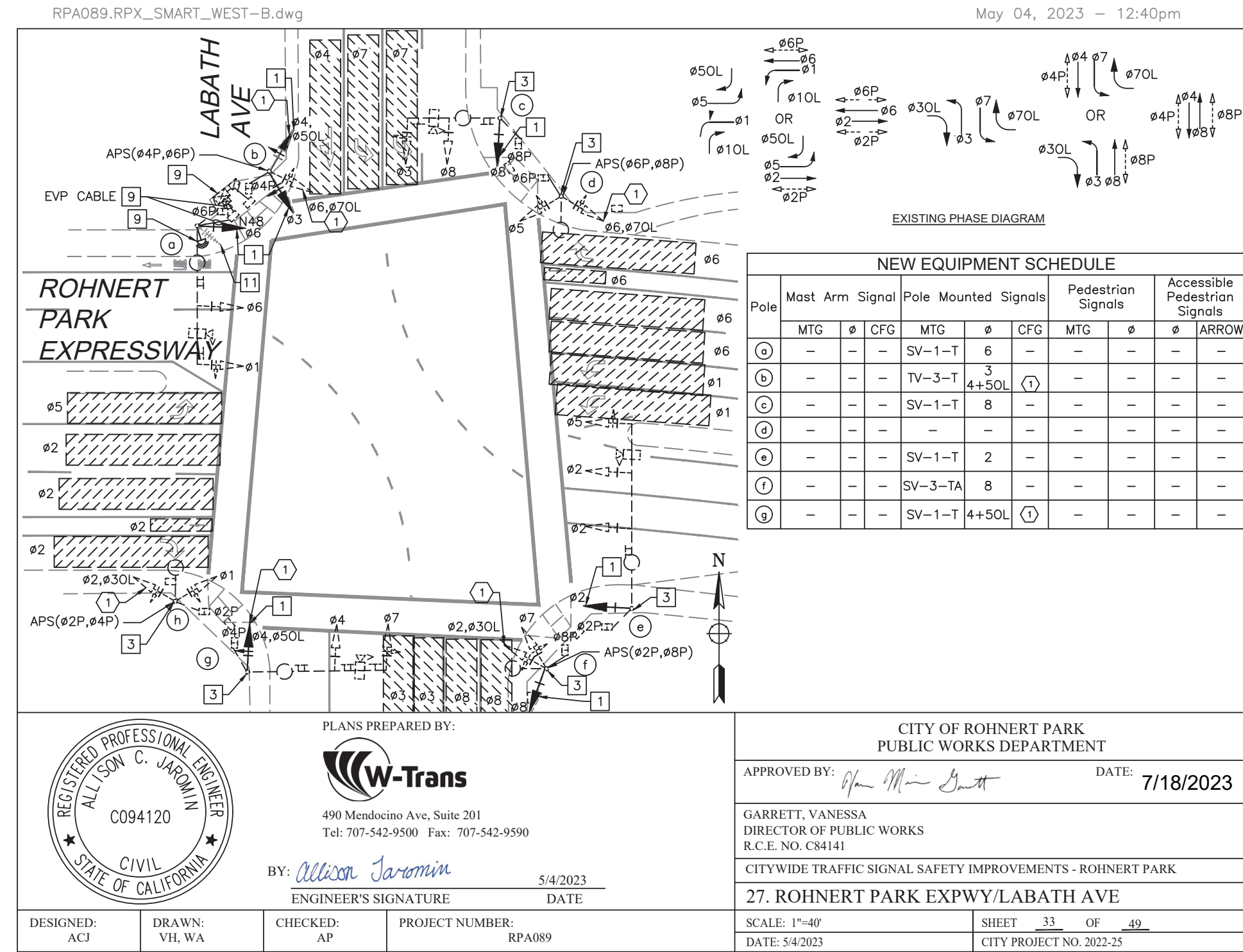


DESIGNED BY ACJ  
 CHECKED BY AP  
 ALISON G. JORDAN, R.C.E. NO. 9420 EXP. 12/31/23  
 5/4/2023  
 DATE

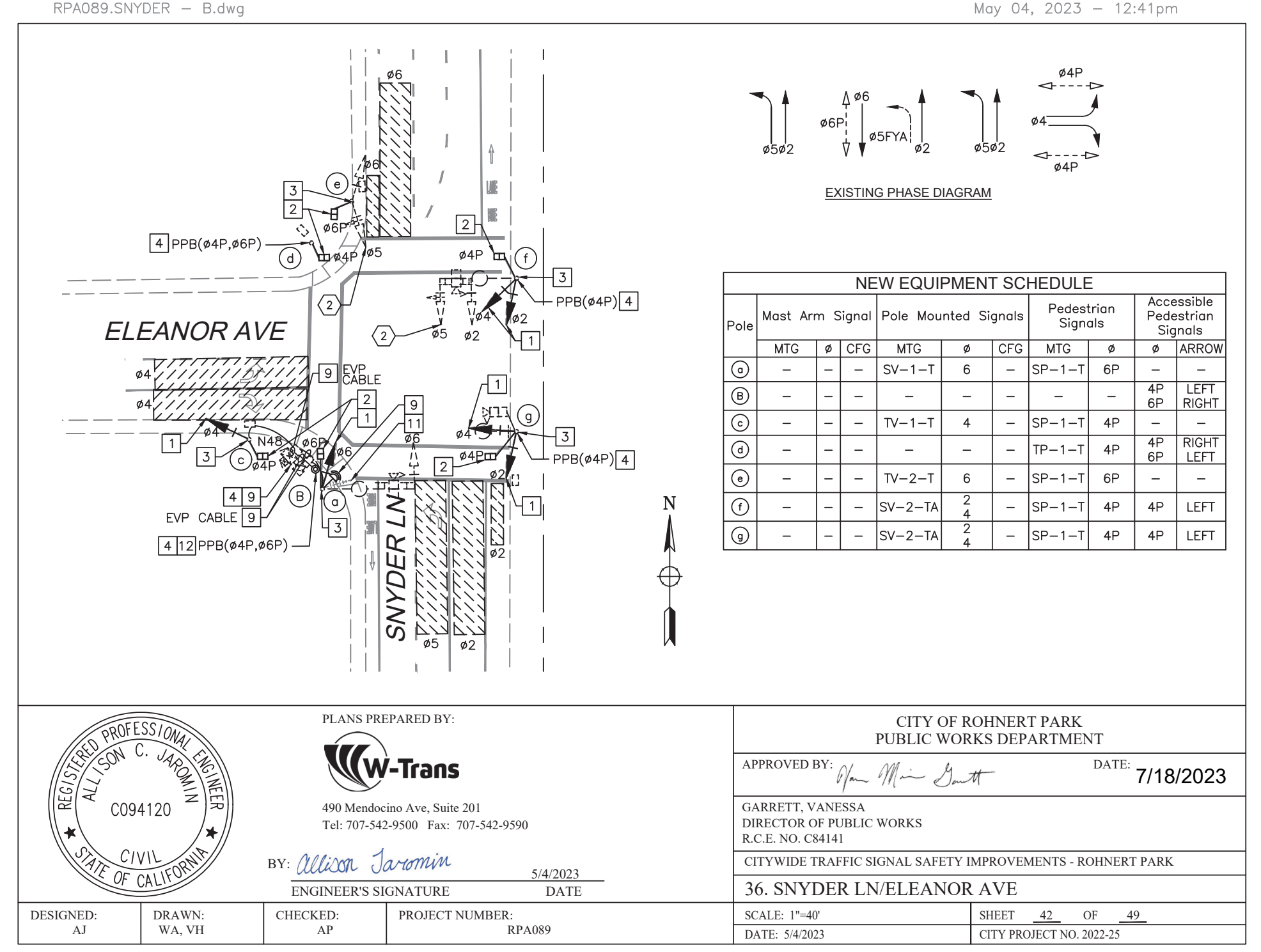
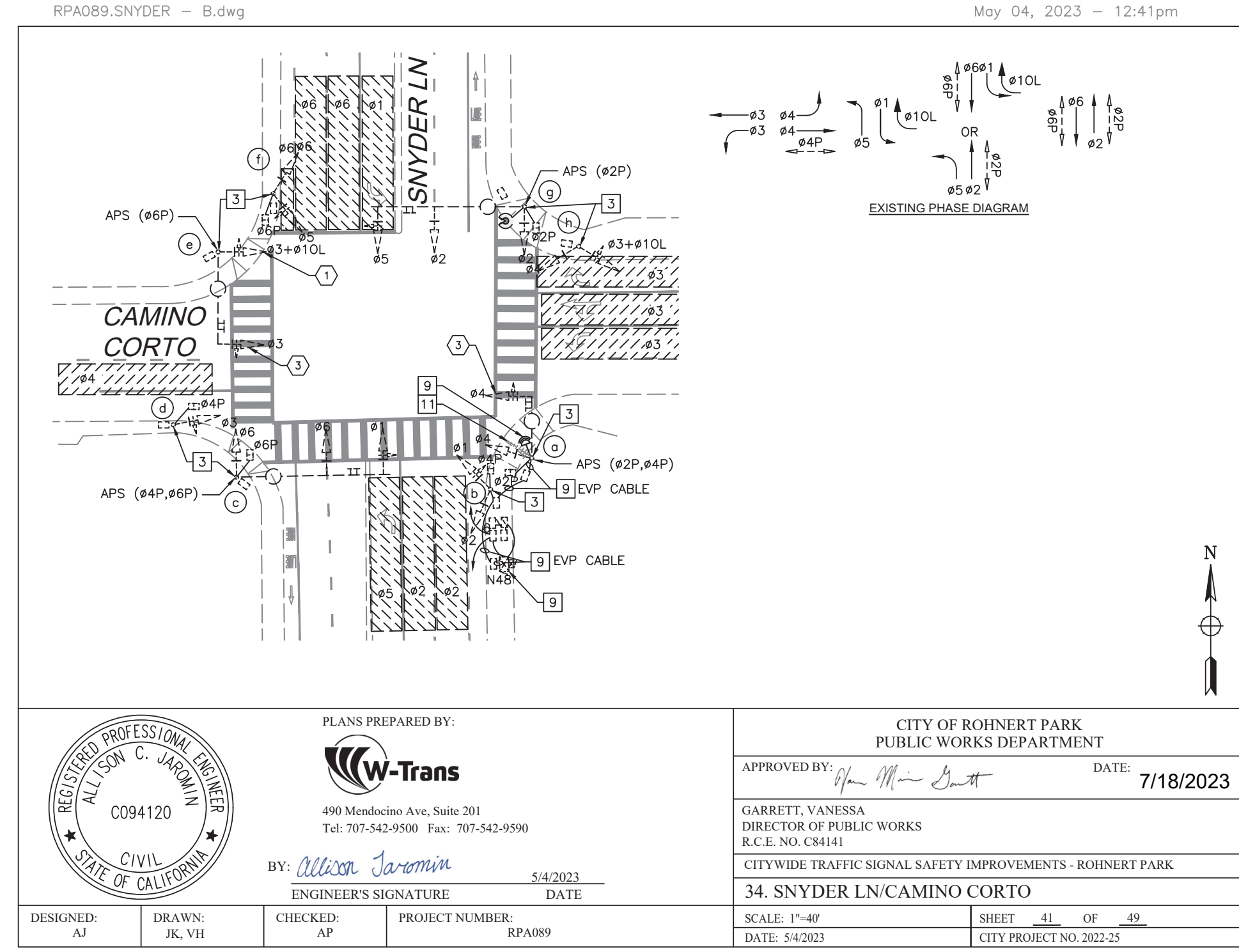
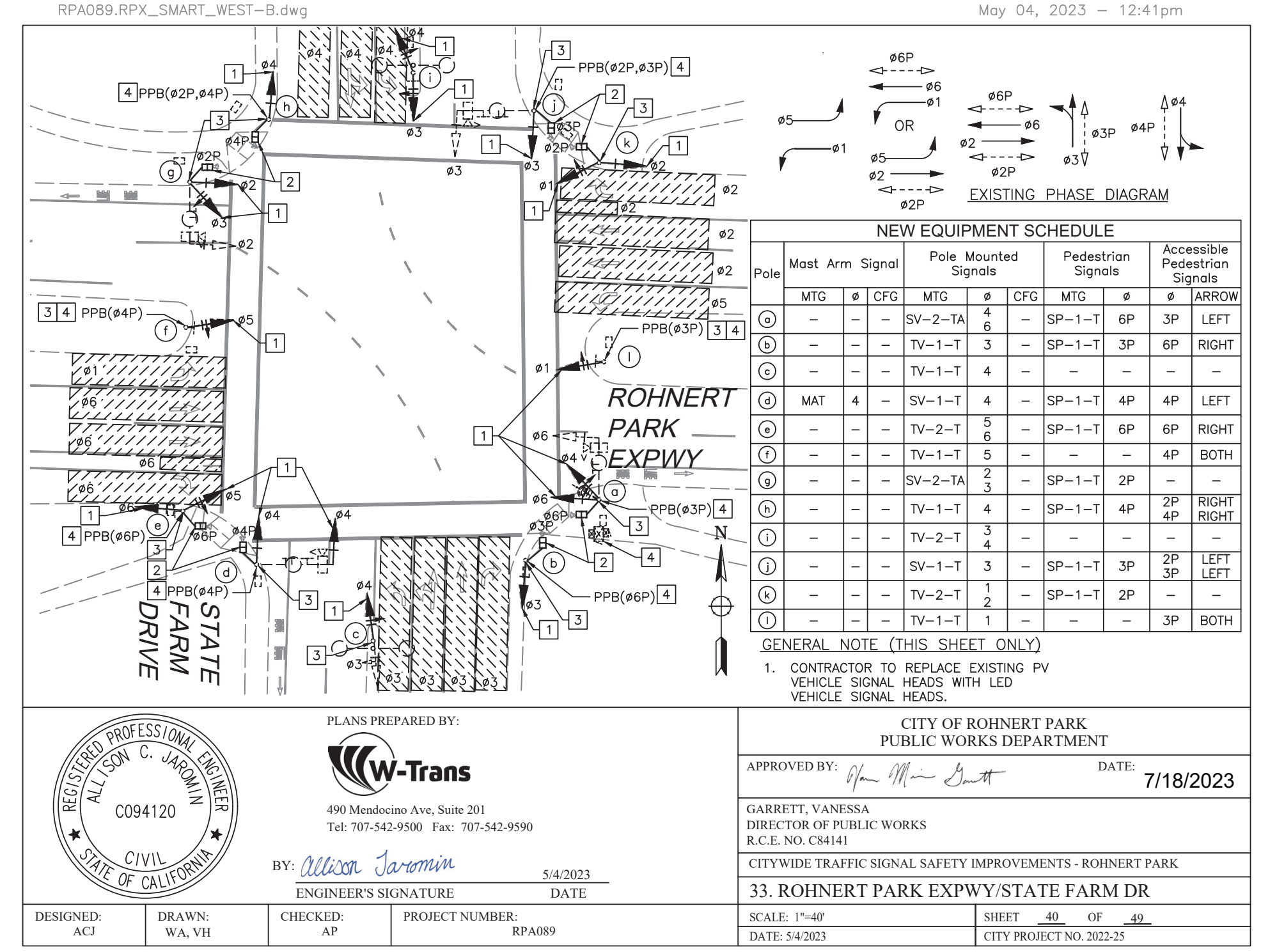
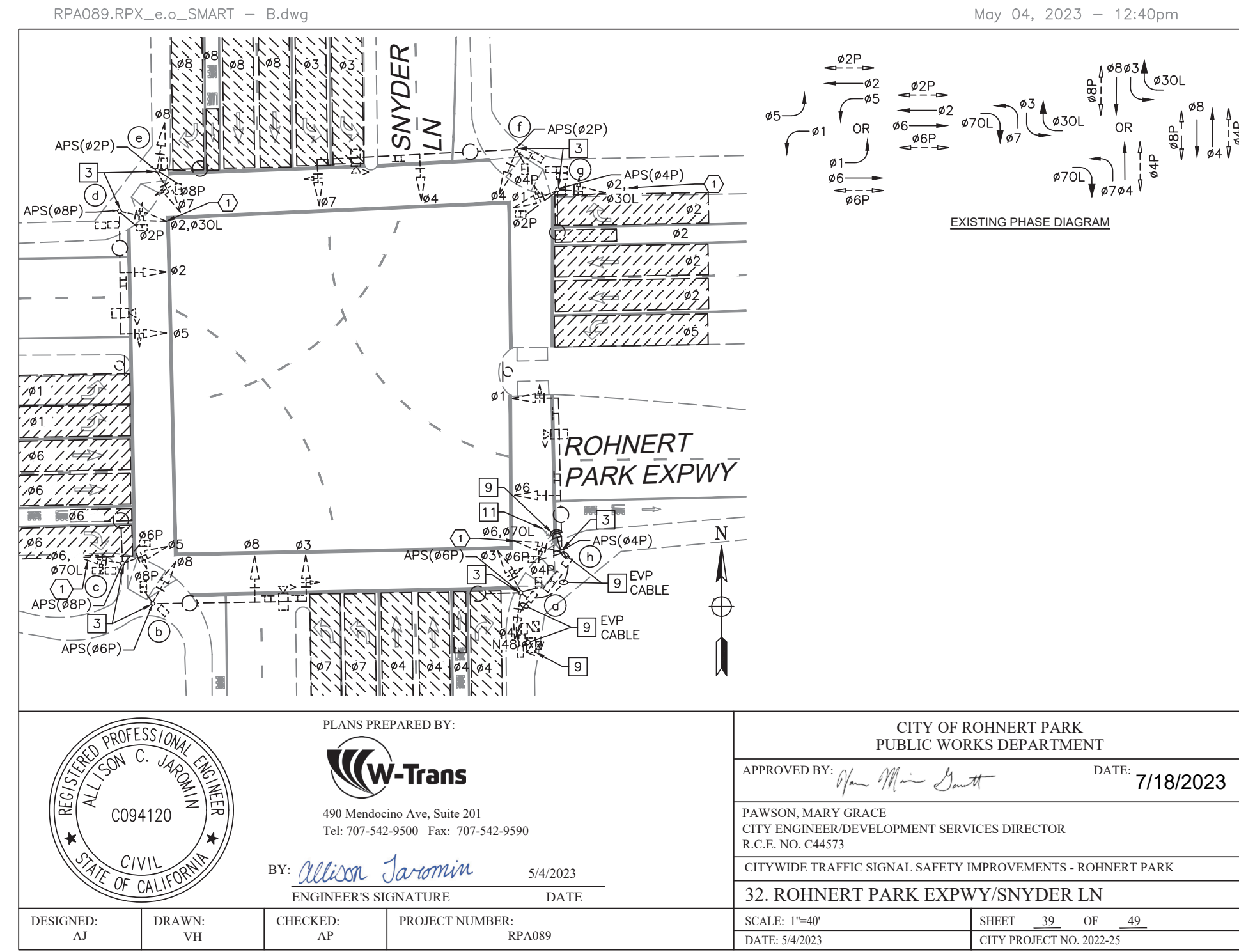
28. ROHNERT PARK EXPWY/RANCHO VERDE CIR  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Rohnert Park  
 TRAFFIC SCHEDULES

SCALE 1"=20'  
 DATE 5/4/23  
 JOB NO. RPA089  
 DRAWING NUMBER 35 OF 49





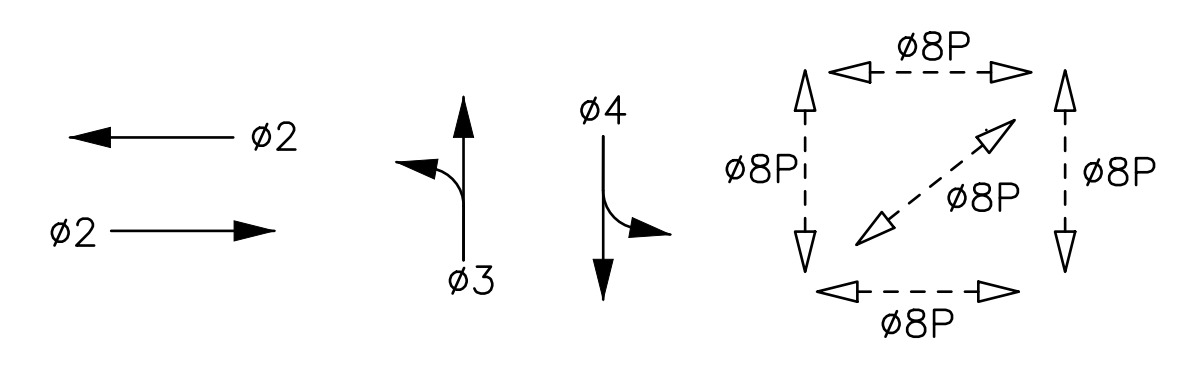
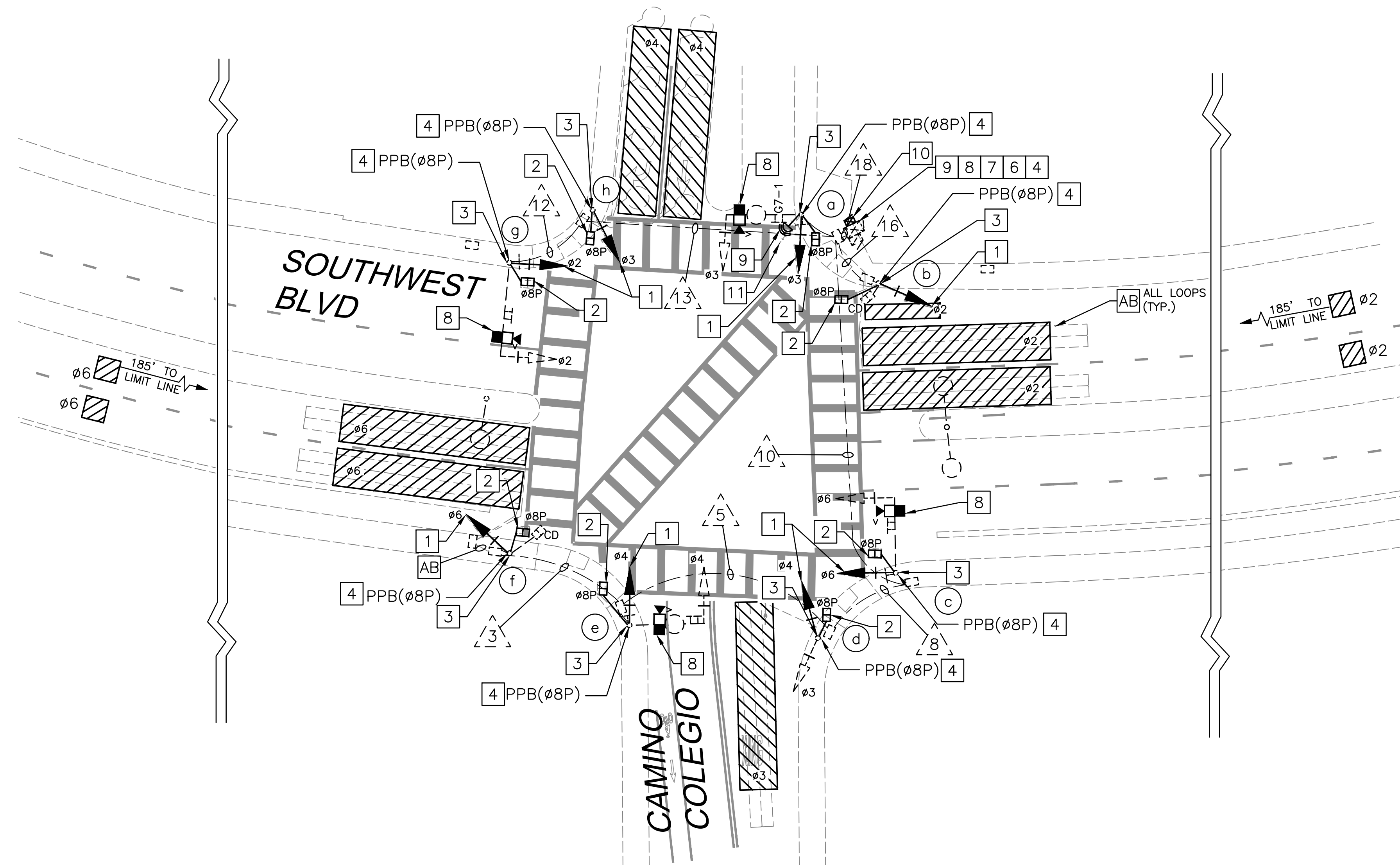




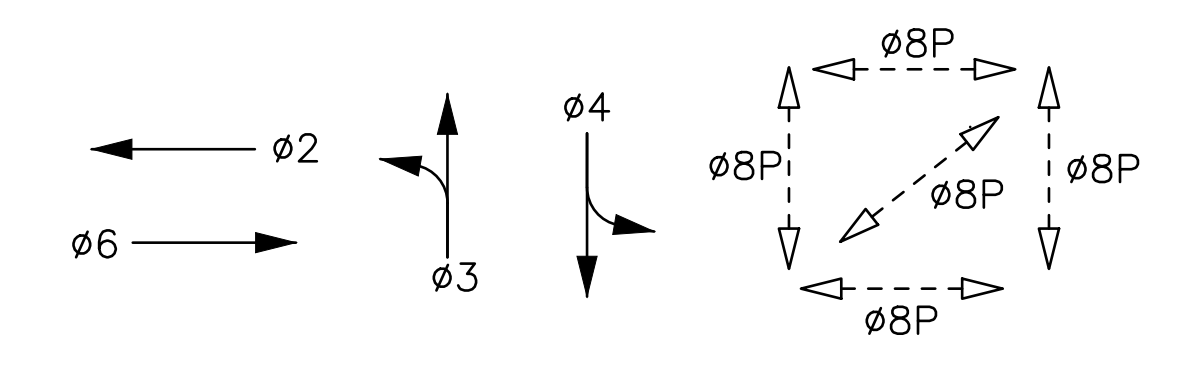


PROJECT NOTES (THIS SHEET ONLY)

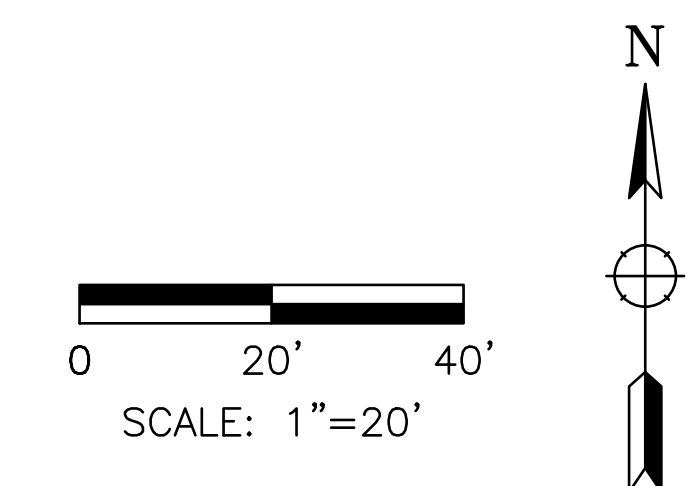
1. REWIRE EASTBOUND FROM  $\phi 2$  TO  $\phi 6$ . ADD NEW LOAD SWITCH FOR  $\phi 6$  IN CONTROLLER.



EXISTING PHASE DIAGRAM



NEW PHASE DIAGRAM

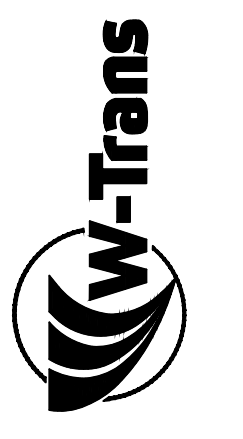


Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer

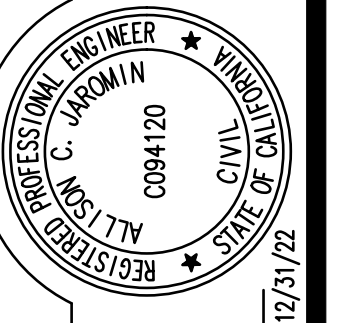
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES



Whitlock & Weinberger  
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 490 Mendocino Avenue, Suite 201  
 Santa Rosa, CA 95401  
 (707) 542-9500 Fax (707) 542-9590



DRAWN BY JK  
 5/4/2023  
 DATE



DESIGNED BY ACJ  
 CHECKED BY AP  
 Allison Jarmin  
 ALLISON C. JARMIN, R.C.E. NO. 94120 EXP. 12/31/22

37. SOUTHWEST BLVD/CAMINO COLEGIO  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Robert Park  
 TRAFFIC SIGNAL MODIFICATION

Date	Revision	By	SCALE 1"=20'
			DATE 5/4/2023
			JOB NO. RPA089
			DRAWING NUMBER
			42 OF 49



CONDUCTOR TABLE										
AWG	CIRCUIT	RUNS								
		△3	△5	△8	△10	△12	△13	△16	△18	
	∅2					3	3	3	3	6
	∅3			3	3			3		9
	∅4		3	6	6					6
	∅6	3	3		3					3
	∅8P	2	2	2	2	2	2	2	2	6
	APS(∅8P)	1	1	1	1	1	1	1	1	3
	APS NEUTRAL	1	1	1	1	1	1	1	1	1
	SPARES		3	3	3	3	3	3	3	3
	PEU									3
	TOTAL No. 14	7	13	16	19	10	13	10	10	40
	SIGNAL NEUTRAL	1	1	1	1	1	1	1	1	1
	LUMINAIRE		2							
NO. 10	TOTAL No.10	1	3	1	1	1	1	1	1	1
NO. 8	SIGNAL GROUND	1	1	1	1	1	1	1	1	1
DLC	TOTAL DLC	2(AB)	2(AB)	3(AB)	3(AB)		2(AB)	2(AB)	7(AB)	
VIDS	CAT5e CABLE		1(N)	1(N)	2(N)	1(N)	1(N)		4(N)	
EVP	GPS/RADIO UNIT CABLE									1(N)
	EMTRAC									1(RC)
	CONDUIT SIZE (INCHES)	2	3	2	3	2	3	3	2-3	
	CONDUIT FILL (PERCENT)	11	10	24	15	19	9	8	15	

(N)=NEW, (AB)=ABANDON CABLES, (RC)=EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR  
 ALL CABLES AND CONDUCTORS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

POLE AND EQUIPMENT SCHEDULE													
No.	STANDARD			VEHICLE SIGNAL				PED SIGNAL		APS		LUMINAIRE	SPECIAL REQUIREMENTS
	TYPE	SMA	LMA	MAST ARM		POLE		∅	MTG	∅	ARROW		
				MTG	∅	MTG	∅						
(a)	17-1-70	15	12	MAT	3	SV-1-T (N)	3(N)	8P (N)	SP-1-T (N)	8P (N)	LEFT	101W	G7-1, R3-4, INSTALL VIDEO CAMERA ON SIGNAL MAST ARM, INSTALL GPS/RADIO UNIT ON TRAFFIC SIGNAL POLE.
(b)	1-A	-	-	-	-	TV-1-T (N)	2(N)	8P (N)	SP-2-T (N)	8P (N)	RIGHT	-	
(c)	16-1-70	20	-	MAT	6	SV-1-T (N)	6(N)	8P (N)	SP-1-T (N)	8P (N)	LEFT	-	EX. G7-1 & R3-4, INSTALL VIDEO CAMERA ON SIGNAL MAST ARM
(d)	1-A	-	-	-	-	TV-2-T (N)	3 4(N)	8P (N)	SP-1-T (N)	8P (N)	RIGHT	-	
(e)	17-1-70	15	12	MAT	4	SV-1-T (N)	4(N)	8P (N)	SP-1-T (N)	8P (N)	LEFT	101W	EX G7-1 & R3-4, INSTALL VIDEO CAMERA ON SIGNAL MAST ARM
(f)	1-A	-	-	-	-	TV-1-T (N)	6(N)	8P (N)	SP-2-T (N)	8P (N)	RIGHT	-	
(g)	18-1-70	25	-	MAT	2	SV-1-T (N)	2(N)	8P (N)	SP-1-T (N)	8P (N)	LEFT	-	EX. G7-1 & R3-4, INSTALL VIDEO CAMERA ON SIGNAL MAST ARM
(h)	1-A	-	-	-	-	TV-1-T (N)	3(N)	8P (N)	SP-1-T (N)	8P (N)	RIGHT	-	

Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer

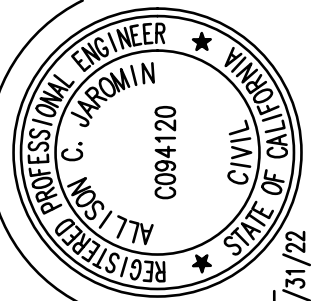
FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES

Date	Revision	By

SCALE 1"=20'  
 DATE 5/4/2023  
 JOB NO. RPA089  
 DRAWING NUMBER 43 OF 49

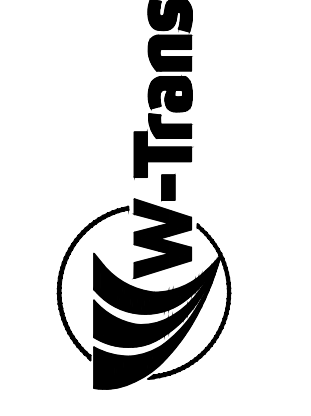
37. SOUTHWEST BLVD/CAMINO COLLEGIO  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Rohmert Park

TRAFFIC SIGNAL SCHEDULES



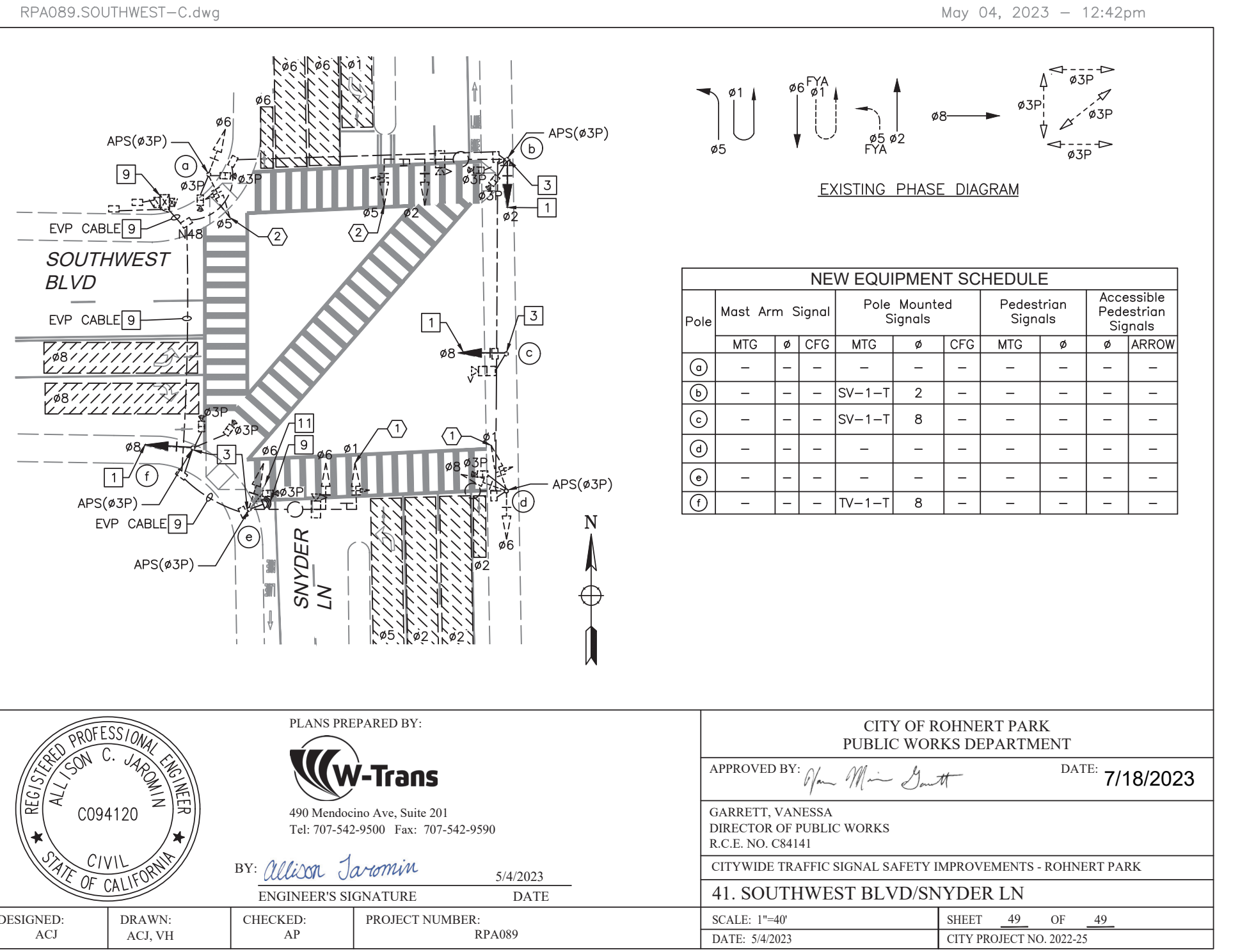
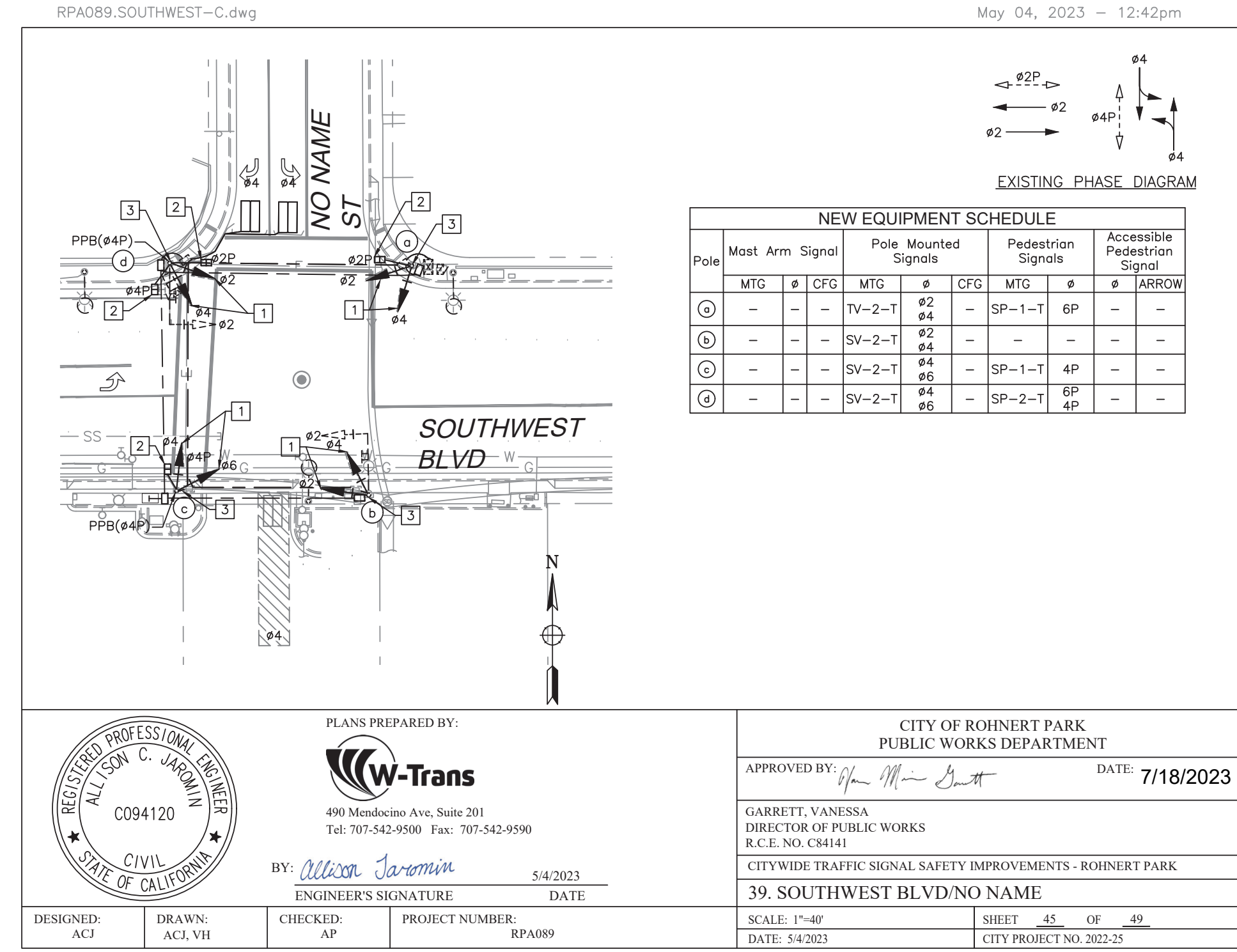
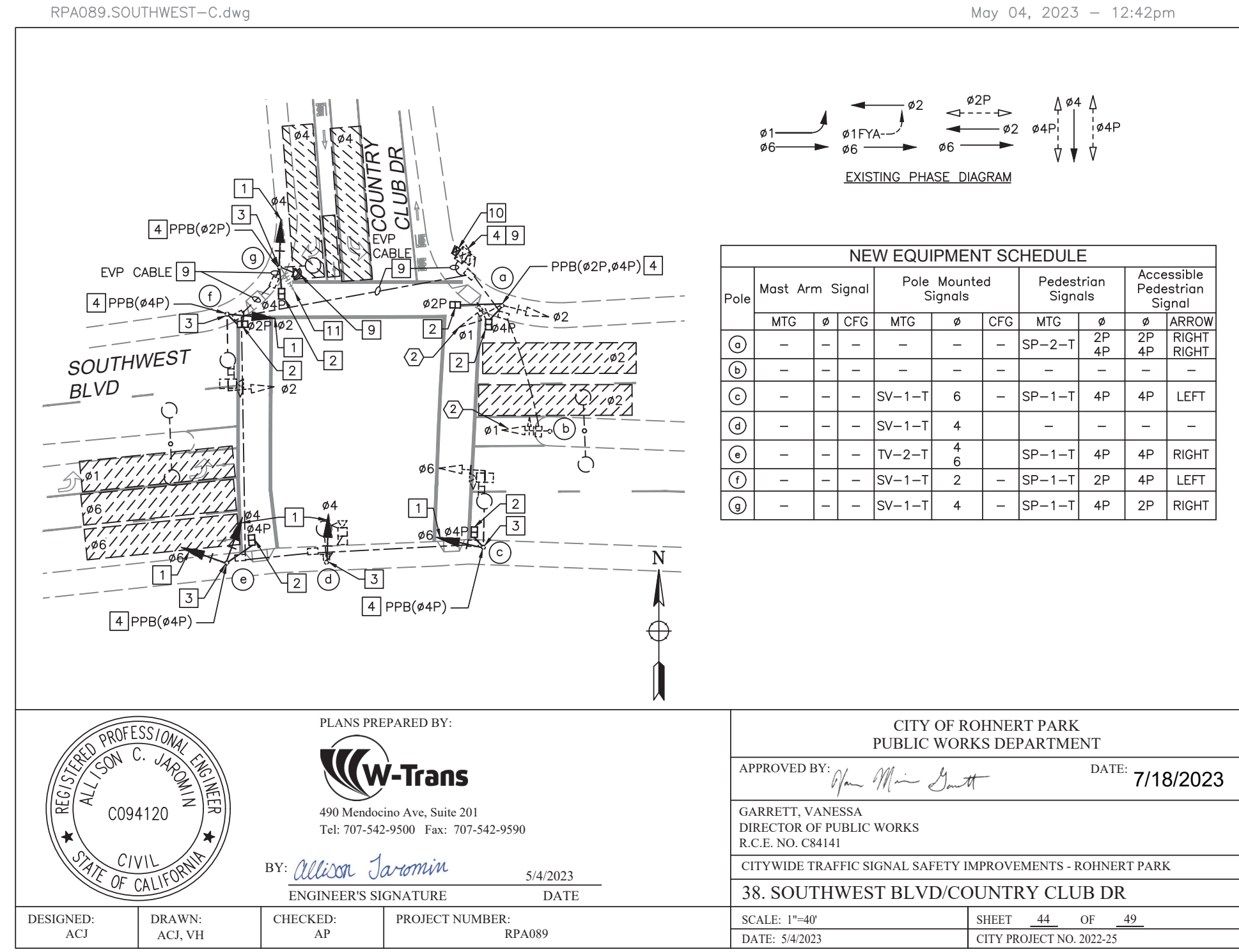
DRAWN BY  
 DESIGNED BY ACJ  
 CHECKED BY AP  
 Allison Jarman  
 ALLISON C. JARMAN, P.E. NO. 94120 EXP. 12/31/23

5/4/2023  
 DATE

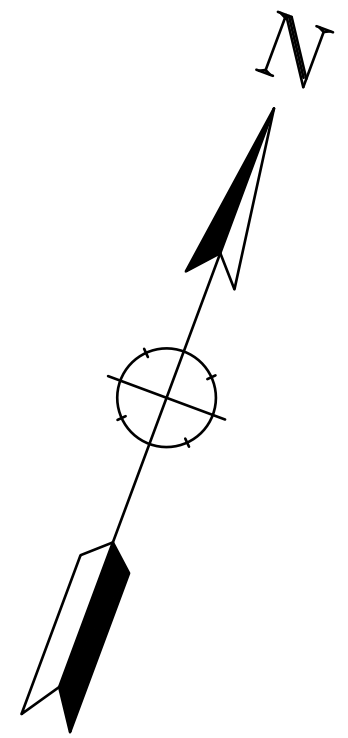
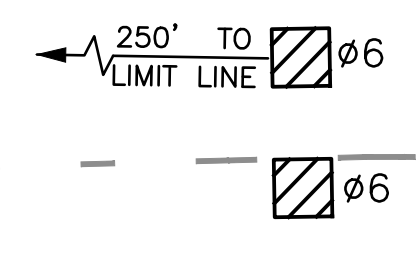
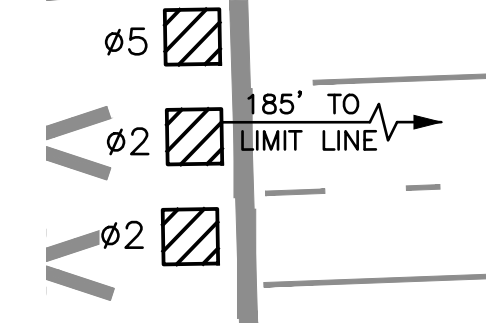
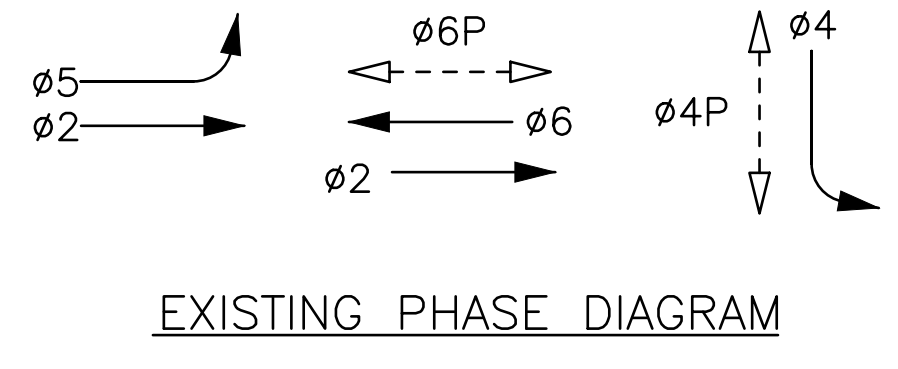
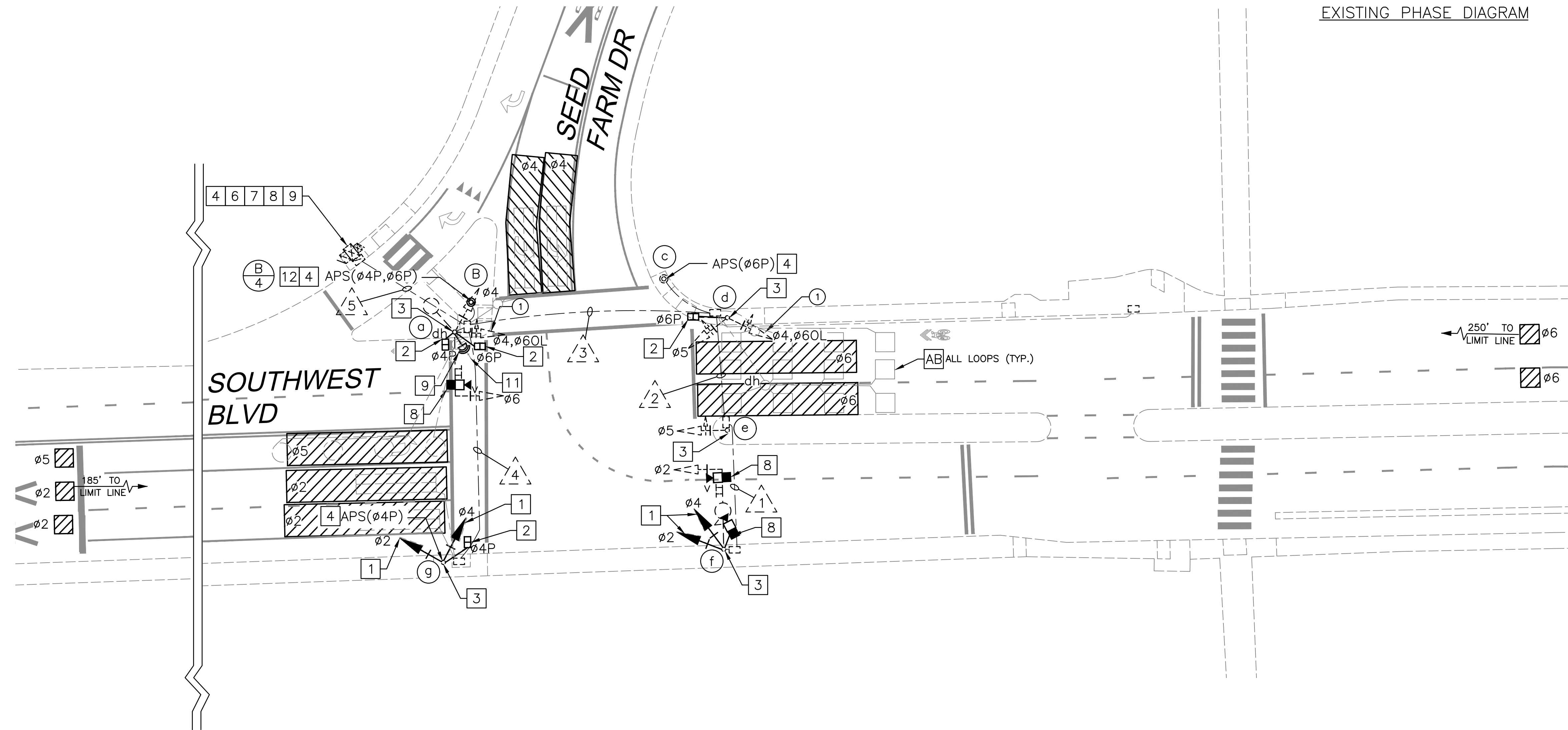


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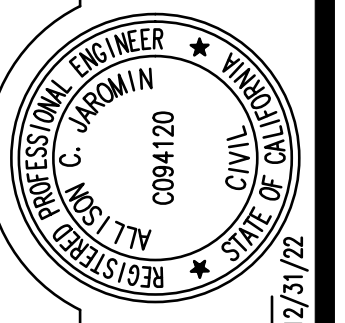
Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES  
 0 1 2 3

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 Santa Rosa, CA 95401  
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DRAWN BY JK  
 5/4/2023  
 DATE



DESIGNED BY ACJ  
 CHECKED BY AP  
*Alison Jarman*  
 ALISON C. JARMAN, P.E. NO. 94120 EXP. 12/31/23

40. SOUTHWEST BLVD/SEED FARM DR  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Rohnert Park  
 TRAFFIC SIGNAL MODIFICATION

Date	Revision	By

SCALE 1"=20'  
 DATE 5/4/2023  
 JOB NO. RPA089  
 DRAWING NUMBER 46 OF 49



CONDUCTOR TABLE							
AWG	CIRCUIT	RUNS					
		△1	△2	△3	△4	△5	
NO. 14	∅2	3	3	3	3	6	
	∅4				3	6	
	∅4+∅6OL			5		10	
	∅5	3	3	3		3	
	∅6					3	
	∅4P				2	4	
	∅6P			4		4	
	APS(∅4P)				1	2	
	APS(∅6P)			1		2	
	PBA COMMON			1	1	1	
	SPARES	3	3	3	3	3	
	TOTAL No. 14	9	9	20	13	44	
	NO. 12	APS COMMON	0	0	1	1	1
	NO. 8	SIGNAL COMMON	1	1	1	1	1
STREET LIGHT		1	1	1		2	
TOTAL No. 8	2	2	2	1	3		
NO. 6	EQUIPMENT GROUND	1	1	1	1	1	
	TOTAL DLC			3(AB)	2(AB)	8(AB)	
VIDS	CAT5e CABLE	3(N)				2(N)	
CONDUIT SIZE (INCHES)		2	3	3	3	2-3	
CONDUIT FILL (PERCENT)		29	5	11	8	14	

(N) = NEW, (AB) = ABANDON CABLES,  
 ALL CABLES AND CONDUCTORS ARE EXISTING TO

POLE AND EQUIPMENT SCHEDULE													
No.	STANDARD			VEHICLE SIGNAL				PED SIGNAL		APS		LED LUMINAIRE	SPECIAL REQUIREMENTS
	TYPE	SMA	LMA	MAST MTG	ARM ∅	POLE MTG	POLE ∅	∅	MTG	∅	ARROW		
(a)		20	12	MAT	6	SV-2-T	4,60L	4P(N) 6P(N)	SP-2-T(N)	-	-	-	G7-1, LUMINAIRE MOUNTED AT 225° ANGLE, INSTALL VIDEO DETECTION CAMERA ON SIGNAL MAST ARM, INSTALL GPS/RADIO UNIT ON TRAFFIC SIGNAL POLE, REMOVE EXISTING EMTRAC ANTENNA
(B)	APS POST (N)	-	-	-	-	-	-	-	-	4P(N) 6P(N)	RIGHT RIGHT	-	INSTALL PUSH BUTTON ADAPTER FOR BOTH APS BUTTONS, REMOVE AND SALVAGE EXISTING PBA POST AND FURNISH AND INSTALL APS ON EXISTING FOUNDATION
(c)	APS POST	-	-	-	-	-	-	-	-	6P(N)	LEFT	-	
(d)	1-B	-	-	-	-	TV-2-T	5,4,60L	6P(N)	SP-1-T(N)	-	-	-	
(e)	1-B	-	-	-	-	TV-1-T	5	-	-	-	-	-	
(f)		25	12	MAT	5	SV-2-T(N)	2(N) 4(N)	-	-	-	-	73	G7-1, INSTALL ONE VIDEO DETECTION CAMERA ON SIGNAL MAST ARM, AND ONE VIDEO DETECTION CAMERA ON THE POLE SHAFT
(g)	1-B	-	-	-	-	TV-2-T(N)	2(N) 4(N)	4P(N)	SP-1-T(N)	4P(N)	RIGHT	-	

Approved: *Vanessa Garrett* 7/18/2023  
 Vanessa Garrett  
 City Engineer

Date	Revision	By

SCALE 1"=20'  
 DATE 5/4/2023  
 JOB NO. RPA089  
 DRAWING NUMBER 47 OF 49

FOR REDUCED PLANS, THE ORIGINAL SCALE IS IN INCHES 0 1 2 3

Whitlock & Weinberger  
 Transportation, Inc.  
 490 Mendocino Avenue, Suite 201  
 Santa Rosa, CA 95401  
 (707) 542-9500 Fax (707) 542-9590



DESIGNED BY ACJ  
 CHECKED BY AP  
 ALISON G. JORGAN, R.C.E. NO. 94120 EXP. 12/31/23  
 ALISON G. JORGAN  
 CIVIL ENGINEER  
 0094120  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 DRAWN BY JK  
 DATE 5/4/2023

40. SOUTHWEST BLVD/SEED FARM DR  
 CITYWIDE TRAFFIC SIGNAL SAFETY IMPROVEMENT  
 Rohmert Park  
 TRAFFIC SIGNAL MODIFICATION