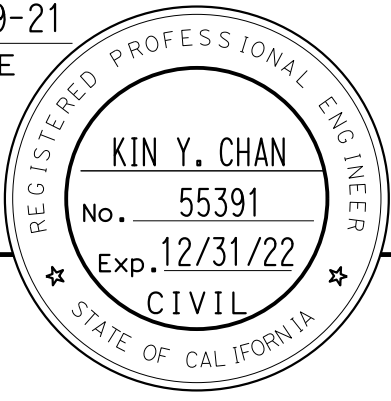


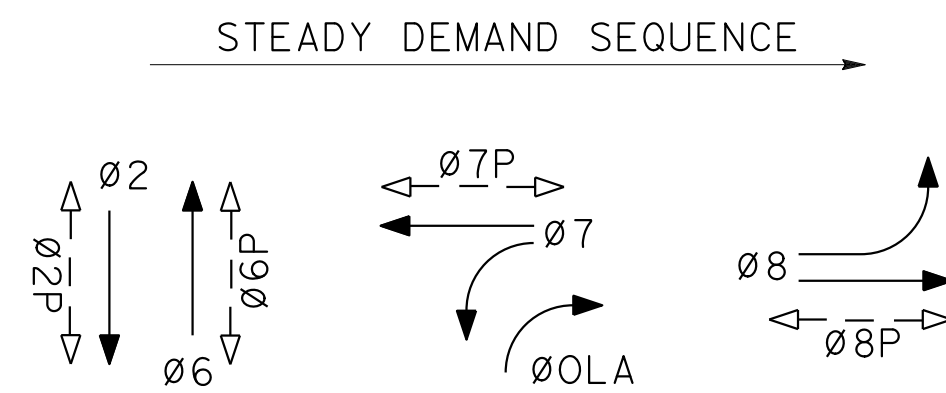
x			Exist CONDUCTOR AND CONDUIT SCHEDULE									
			CONDUCTOR SCHEDULE	No. OF CONDUCTORS								
				CONDUIT RUN NUMBER								
			1	2	3	4	5	6	7	8		
x	MY	9-29-21	No. 14 CONDUCTORS									
			Ø2		3	3	3					
			Ø4		3	3	3					
			Ø5	3	3	3	3					
			Ø6	3	3	3	6	3	3			
			ØOLA			5	10	5	5	5		
			Ø6P	2	2	2	2	2	2			
			APS(Ø2P)	2	2	2	2	2	2	2		
x	REVISED BY	DATE REVISED	PEU			3						
			SPARES	3	3	3	6	3	3	3		
			TOTAL No. 14	13	19	27	35	15	15	10		
x	MENG YANG	DAN K. YAU	No. 10 CONDUCTORS									
			IISNS		2	2		2	2			
			TOTAL No. 10		2	2		2	2			
			No. 8 CONDUCTORS									
			LIGHTING	2	2	2		2	2			
			SIGNAL NEUTRAL	1	1	1	1	1	1	1		
			TOTAL No. 8	3	3	3	1	3	3	1		
			DETECTOR CABLES (DLC)									
x	CALCULATED-DESIGNED BY	CHECKED BY	2I2U				1					
			2I2L				1					
			2I3U				1					
			2I4U				1					
			2J8L				1					
			4I6U				1*	1*	1*	1*		
			4I6L				1*	1*	1*	1*		
			4I7U				1*	1*	1*	1*		
			4I7L				1	1	1	1		
			4I8U				1	1	1	1		
x	CONSULTANT	FUNCTIONAL SUPERVISOR	4I8L				1	1	1	1		
			5I3L				1					
			5I4U				1					
			5J1U				1					
			5J1L				1					
			5J9U				1	1				
			5J9L				1					
			6J2U	1	1	1	1					
			6J2L	1	1	1	1					
			6J3U	1	1	1	1					
x	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TIMOTHY J. LEE	6J3L	1	1	1	1					
			6J4U	1	1	1	1					
			6J4L	1	1	1	1					
			6J7L	1	1	1	1					
			TOTAL DETECTOR CABLES	7	7	7	24	7	6	6		
			APS CABLE							1		
			EVUDa		1	1	1					
			EVUDb			1	1					
			EVUDc				1	1	1			
x	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TIMOTHY J. LEE										
			CONDUIT SIZE (INCHES)	3	3	3	2-3	3	3	3		
			NEW/EXISTING CONDUIT	E	E	E	E	E	E	E		
			% FILL	13	16	20	19	15	14	10		
x	STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	TIMOTHY J. LEE	* = RC Exist DLC. INSTALL NEW AS INDICATED.									

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1202	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
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Y&C TRANSPORTATION CONSULTANTS, INC. 200 Brown Rd, Suite 108 Fremont, CA 94539			ALAMEDA CTC 1111 Broadway Suite 800 Oakland, CA 94607		

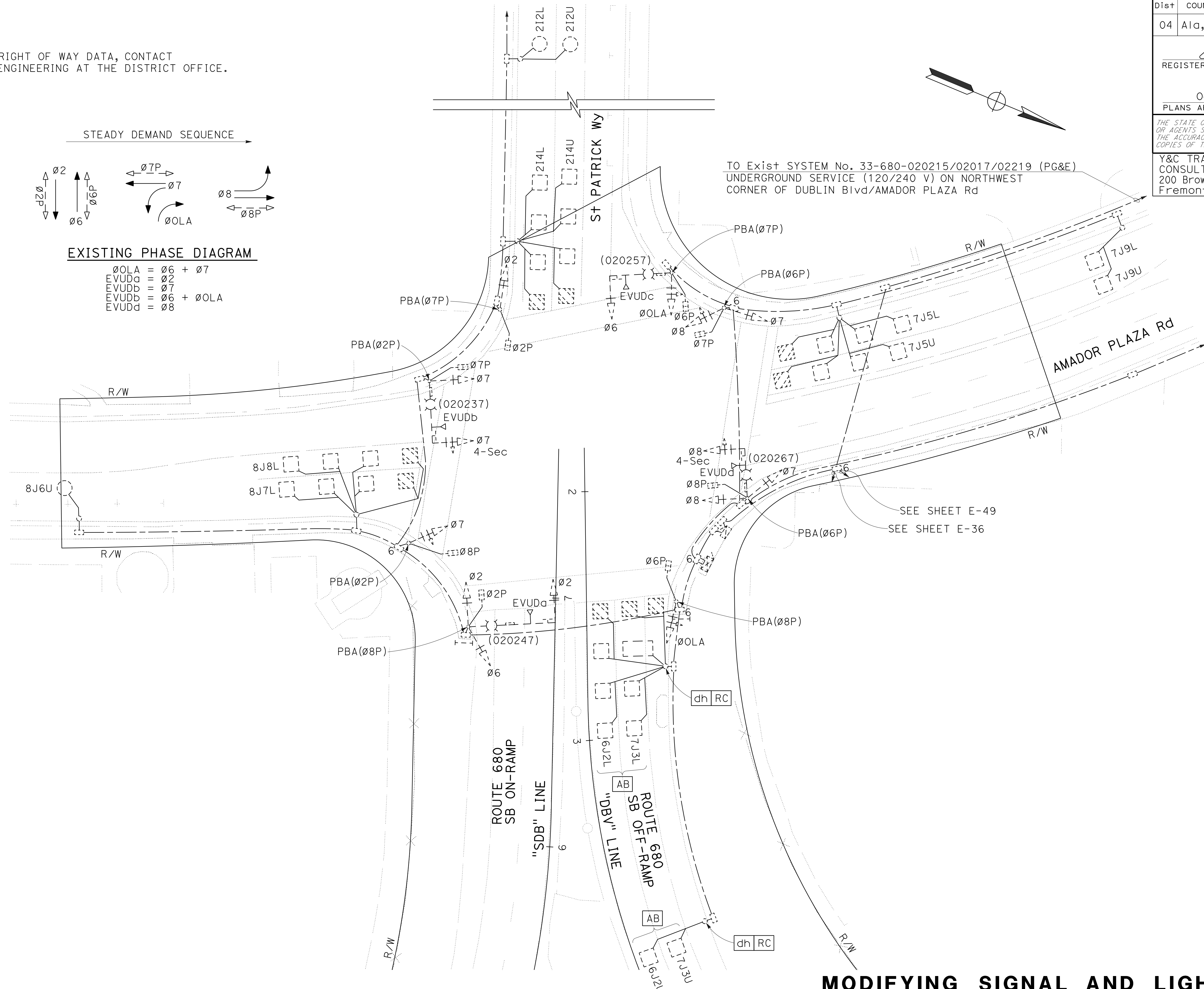
Exist POLE AND EQUIPMENT SCHEDULE										
No.	STANDARD			VEHICLE SIGNAL MOUNTING		PEDESTRIAN SIGNAL MOUNTING	APS		LED LUMINAIRE TYPE	REMARKS**
	TYPE	SMA (FEET)	LMA (FEET)	MAST ARM	POLE		Ø	ARROW		
Ⓐ	Exist 27-4-100	40		MAS MAS	SV-1-T SV-1-T					ALL Exist EQUIPMENT TO REMAIN.
Ⓑ	Exist 24-4-100	35	15	MAS MAS	SV-2-TB				Rdwy 2	ALL Exist EQUIPMENT TO REMAIN.
Ⓒ	Exist 15TS		15		SV-2-TA	SP-1-T	6P	←	Rdwy 2	ALL Exist EQUIPMENT TO REMAIN.
Ⓓ	Exist 1-B				TV-1-T		6P	→		ALL Exist EQUIPMENT TO REMAIN.
Ⓔ	Exist 24-4-100	35	15	MAS	SV-1-T	SP-1-T			Rdwy 2	ALL Exist EQUIPMENT TO REMAIN.

** OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SIGN PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE STANDARD PLANS.

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



EXISTING PHASE DIAGRAM

$$\begin{aligned} \emptyset OLA &= \emptyset 6 + \emptyset 7 \\ EVUda &= \emptyset 2 \\ EVUdb &= \emptyset 7 \\ EVUdb &= \emptyset 6 + \emptyset OLA \\ EVUdd &= \emptyset 8 \end{aligned}$$


TO Exist SYSTEM No. 33-680-020215/02017/02219 (PG&E)
UNDERGROUND SERVICE (120/240 V) ON NORTHWEST
CORNER OF DUBLIN Blvd/AMADOR PLAZA Rd

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1203	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
Y&C TRANSPORTATION CONSULTANTS, INC. 200 Brown Rd, Suite 108 Fremont, CA 94539			ALAMEDA CTC 1111 Broadway Suite 800 Oakland, CA 94607		

MODIFYING SIGNAL AND LIGHTING SYSTEMS

SCALE: 1" = 20'

E - 80

LOCATION 2 (EXISTING)
APPROVED FOR ELECTRICAL WORK ONLY

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

```

USERNAME => p302438
DGN FILE => 0420000235ua080.dgn

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RELATIVE BORDER SCALE
IS IN INCHES

A horizontal number line with arrows at both ends. It has major tick marks labeled 0, 1, and 2. There are also minor tick marks at 0.5, 1.5, and 2.5.

UNIT 0733

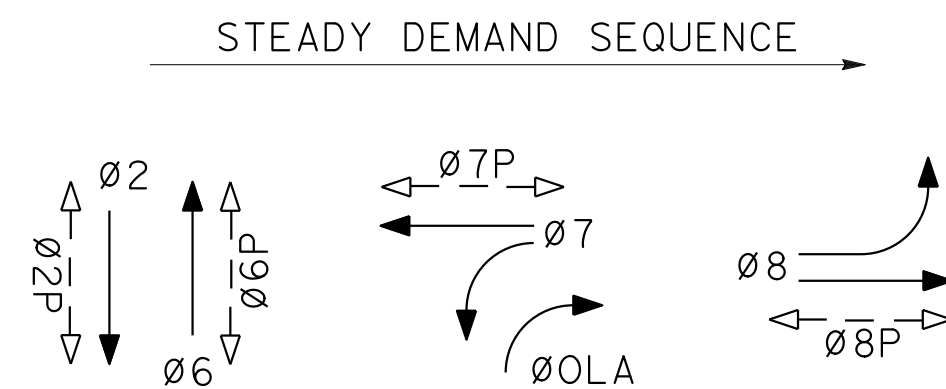
PROJECT NUMBER & PHASE

04200002351

BORDER LAST REVISED 7/2/2010

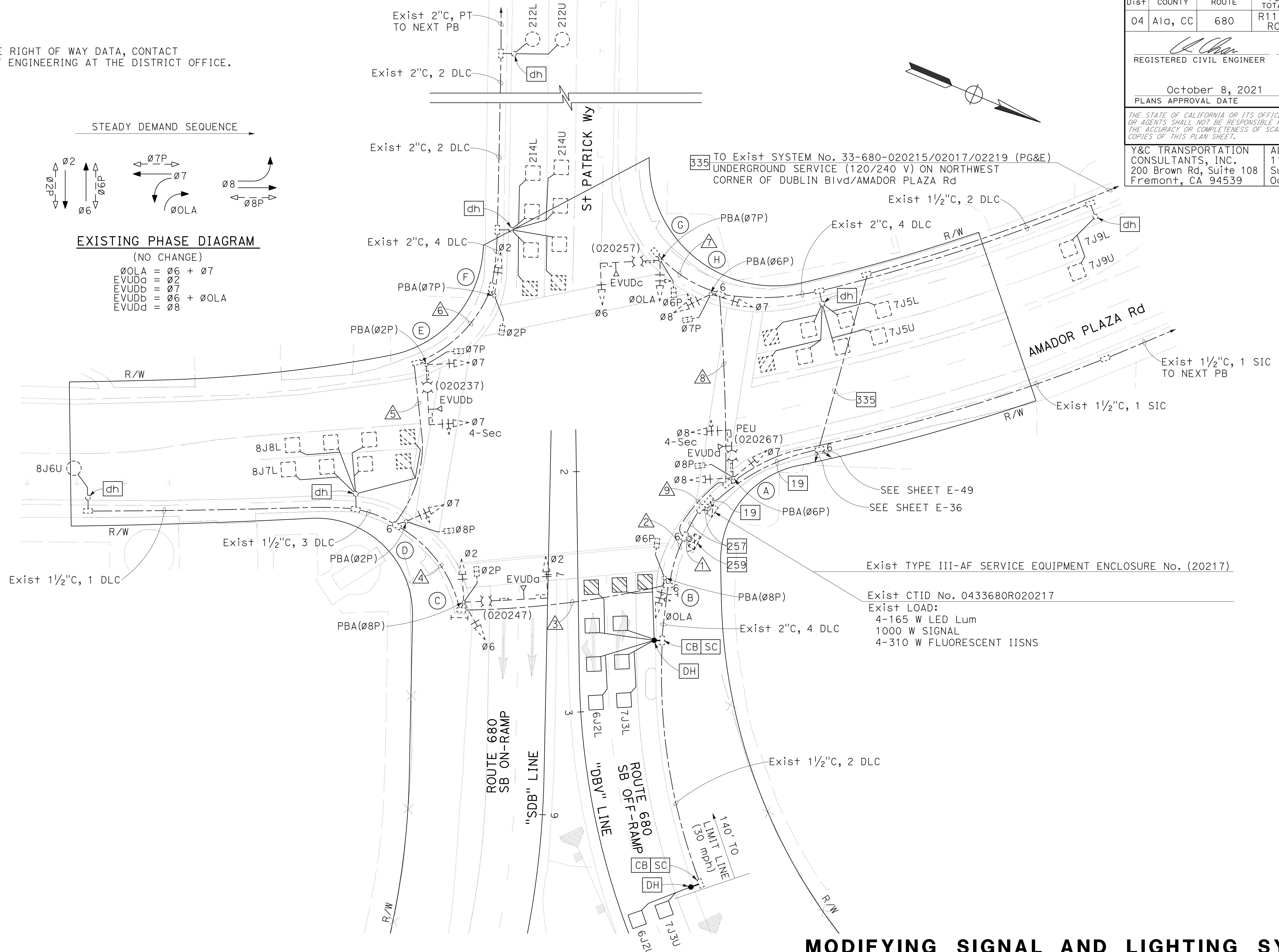
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TIME PLOTTED => 17:01	09-29-21

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



EXISTING PHASE DIAGRAM

(NO CHANGE)

$$\emptyset OLA = \emptyset 6 + \emptyset 7$$
$$\begin{aligned} \text{EVUDa} &= \emptyset 2 \\ \text{EVUDb} &= \alpha 7 \end{aligned}$$
$$\begin{aligned} \text{EVUDB} &= 07 \\ \text{FVUDB} &= 06 + 00 \end{aligned}$$
$$EVUDd = \emptyset 8$$


MODIFYING SIGNAL AND LIGHTING SYSTEMS

SCALE: 1" = 20'

E - 81

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

LOCATION 2 (PROPOSED)

APPROVED FOR ELECTRICAL WORK ONLY

RELATIVE BORDER SCALE
IS IN INCHES

A horizontal number line with arrows at both ends. It has major tick marks labeled 0, 1, and 2. There are also minor tick marks at 0.5 and 1.5, which are halfway between the major ticks.

UNIT 0733

PROJECT NUMBER & PHASE

04200002351

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USERNAME => p302438
DGN FILE => 0420000235ua081.dgn

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BORDER LAST REVISED 7/2/2010

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-
REGIONS OF

MENG YANG

REVISED BY	MY
------------	----

1123

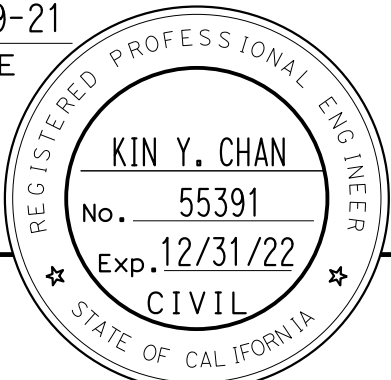
DATE PLOTTED => 8-MAR-2022	LAST REVISION
TIME PLOTTED => 17:01	09-29-21

x			Exist CONDUCTOR AND CONDUIT SCHEDULE															
			CONDUCTOR SCHEDULE	No. OF CONDUCTORS									CONDUIT RUN NUMBER					
	MY	9-29-21	No. 14 CONDUCTORS															
			Ø2	3	3	3	3	3	3									
			Ø6	6	3	3					3	3	3					
			Ø7	6	3	3	3	3								3	3	
			Ø8	3												3	3	
			ØOLA	4	2						2	2	2					
			Ø2P	2	2	2	2	2	2									
			Ø6P	4	2						2	2	2					
			Ø7P	4	2	2	2	2				2	2					
			Ø8P	2	2	2	2											
			PBA(Ø2P)	1	1	1	1	1										
			PBA(Ø6P)	1								1	1					
			PBA(Ø7P)	2	1	1	1	1	1	1	1	1	1	1				
			PBA(Ø8P)	1	1	1												
			PBA NEUTRAL	2	1	1	1	1	1	1	1	1	1	1				
			IISNS		2	2	2	2			2	2	2					
			PEU														3	
			SPARES	6	3	3	3	3	3	3	3	3	3	3				
			TOTAL No. 14	47	28	24	20	18	10	14	23	26						
			No. 8 CONDUCTORS															
			LIGHTING		2	2	2	2			2	2	2					
			SIGNAL NEUTRAL	2	1	1	1	1	1	1	1	1	1					
			TOTAL No. 8	2	3	3	3	3	1	3	3	3						
			No. 6 CONDUCTORS															
			SERVICE TO CONTROLLER	2														
			TOTAL No. 6	2														
			DETECTOR CABLES (DLC)															
			2I2U	1	1	1	1	1	1									
			2I2L	1	1	1	1	1	1									
			2I4U	1	1	1	1	1	1									
			2I4L	1	1	1	1	1	1									
			6J2U	1	1													
			6J2L	1	1													
			7J3U	1	1													
			7J3L	1	1													
			7J5U	1												1	1	
			7J5L	1												1	1	
			7J9U	1												1	1	
			7J9L	1												1	1	
			8J6U	1	1	1	1											
			8J7L	1	1	1	1											
			8J8L	1	1	1	1											
			TOTAL DETECTOR CABLES	15	11	7	7	4	4			4	4					
			SIGNAL INTERCONNECT	1													1	
			EVUDa	1	1	1												
			EVUDb	1	1	1	1	1										
			EVUDc	1							1	1	1					
			EVUDd	1													1	
			CONDUIT SIZE (INCHES)	2-3	2-2½	3	3	3	2	2	3	3						
			NEW/EXISTING CONDUIT	E	E	E	E	E	E	E	E	E						
			% FILL	19	18	18	16	12	17	16	14	17						

01:\00300\0DRAFTING\FINAL_PS&E\0420000235ug082.dgn

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1205	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
Y&C TRANSPORTATION CONSULTANTS, INC. 200 Brown Rd, Suite 108 Fremont, CA 94539			ALAMEDA CTC 1111 Broadway Suite 800 Oakland, CA 94607		

Exist POLE AND EQUIPMENT SCHEDULE										
No.	STANDARD			VEHICLE SIGNAL MOUNTING		PEDESTRIAN SIGNAL MOUNTING	PBA		LED LUMINAIRE TYPE	REMARKS *
	TYPE	SMA (FEET)	LMA (FEET)	MAST ARM	POLE		Ø	ARROW		
(A)	Exist 19A-4-70	20	10	MAS-4C	SV-1-T SV-1-T	SP-1-T	6P	←	Rdwy 1	ALL Exist EQUIPMENT TO REMAIN.
(B)	Exist 1-B				TV-1-T	SP-1-T	8P	→		ALL Exist EQUIPMENT TO REMAIN.
(C)	Exist 24A-4-70	35	15	MAS	SV-1-T SV-1-T	SP-1-T	8P	←	Rdwy 1	ALL Exist EQUIPMENT TO REMAIN.
(D)	Exist 1-B				TV-2-T	SP-1-T	2P	→		ALL Exist EQUIPMENT TO REMAIN.
(E)	Exist 19-4-70	25	12	MAS-4C	SV-1-T	SP-1-T	2P	←	Rdwy 1	ALL Exist EQUIPMENT TO REMAIN.
(F)	Exist 1-B				TV-1-T	SP-1-T	7P	→		ALL Exist EQUIPMENT TO REMAIN.
(G)	Exist 19-4-70	25	12	MAS	SV-1-T	SP-1-T	7P	←	Rdwy 1	ALL Exist EQUIPMENT TO REMAIN.
(H)	Exist 1-B				TV-2-T	SP-1-T	6P	→		ALL Exist EQUIPMENT TO REMAIN.

* OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SIGN PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
FOR TYPE OF STANDARD, VEHICLE AND PEDESTRIAN SIGNAL MOUNTING, SEE STANDARD PLANS.

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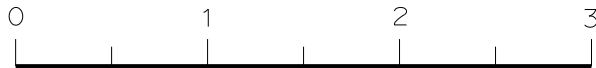
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x

x

x

x



LOCATION 2

MODIFYING SIGNAL AND LIGHTING SYSTEMS

NO SCALE

E-82

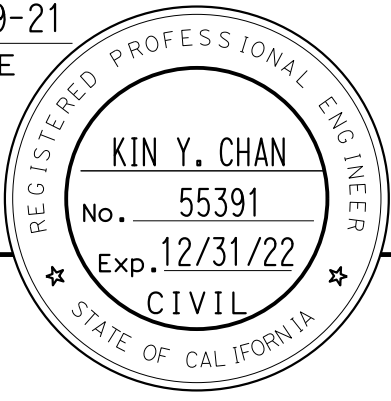
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1206	1710


REGISTERED CIVIL ENGINEER

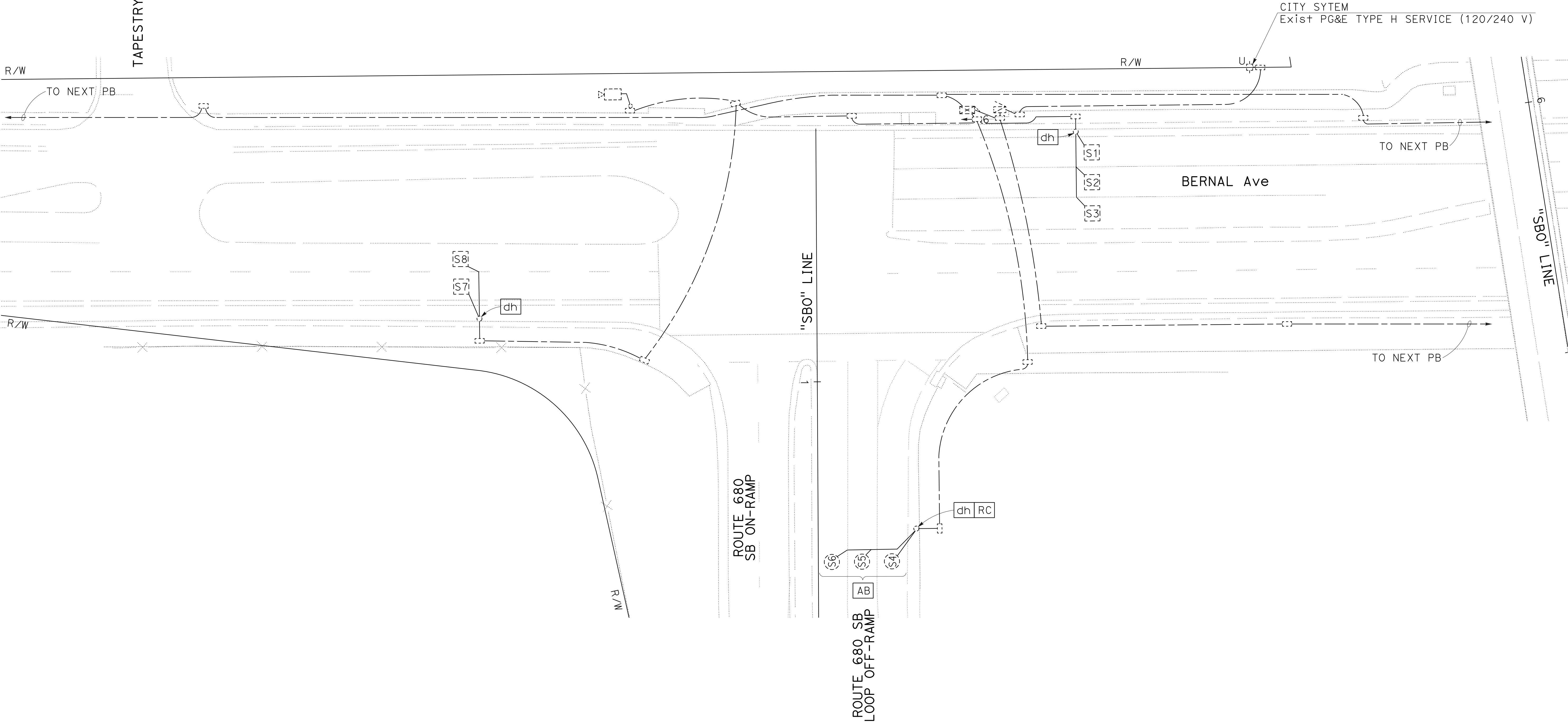
9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE



Y&C TRANSPORTATION
CONSULTANTS, INC.
200 Brown Rd, Suite 108
Fremont, CA 94539

ALAMEDA CTC
1111 Broadway
Suite 800
Oakland, CA 94607



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

(EXISTING)
APPROVED FOR ELECTRICAL WORK ONLY

SIGNAL AND LIGHTING (CITY)
SCALE: 1" = 20'

E-83

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

TIMOTHY J. LEE

DESIGNED BY

MENG YANG

REVISOR

MY

DATE

9-29-21

CHECKED BY

DAN K. YAU

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1208	1710

REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

PLANS APPROVAL DATE

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Suite 800
Oakland, CA 94607

FIBER OPTIC CABLE SYSTEMS
SCALE: 1" = 50'
E-85

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

APPROVED FOR ELECTRICAL WORK ONLY

BORDER LAST REVISED 7/2/2010

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DGN FILE => 0420000235uq085

RELATIVE BORDER SCALE
IS IN INCHES

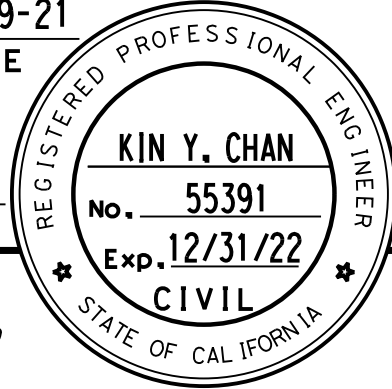
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UNIT 0733

PROJECT NUMBER & PHASE

04200002351

LAST REVISION DATE PLOTTED => 2/11/2022
09-29-21 TIME PLOTTED => 11:20:48 AM

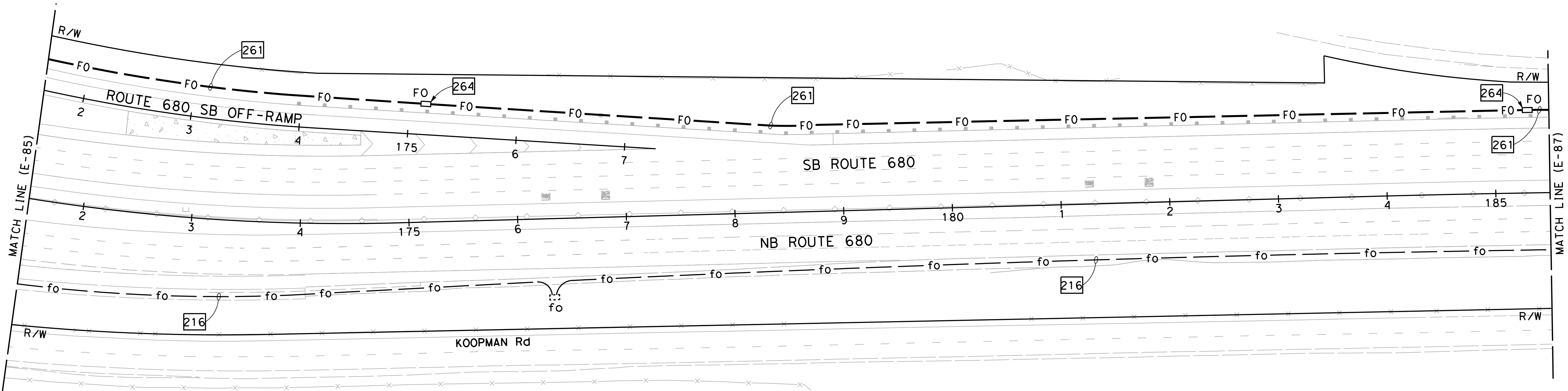
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, RO.0/RO.9	1209	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
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A diagram of a dipole antenna. It consists of two identical, symmetrical arms extending horizontally from a central point. Each arm is a thin wire that tapers to a point. At the central junction where the two arms meet, there is a small circle with a diagonal line passing through it, representing the feed point or a connection point.

NOTE :

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR			
Caltrans	TIMOTHY J. LEE			
		CALCULATED- DESIGNED BY	MENG YANG	REVISED BY
		CHECKED BY	DAN K. YAU	DATE REVISED
				MY
				9-29-21



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-3

APPROVED FOR ELECTRICAL WORK ONLY



FIBER OPTIC CABLE SYSTEMS
SCALE: 1" = 50'
E-86

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

TIMOTHY J. LEE

REVISOR

MY

DATE

9-29-21

DESIGNED BY

MENG YANG

CHECKED BY

DAN K. YAU

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1210	1710

9-29-21

REGISTERED CIVIL ENGINEER

DATE

October 8, 2021

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

KIN Y. CHAN

No. 55391

Exp. 12/31/22

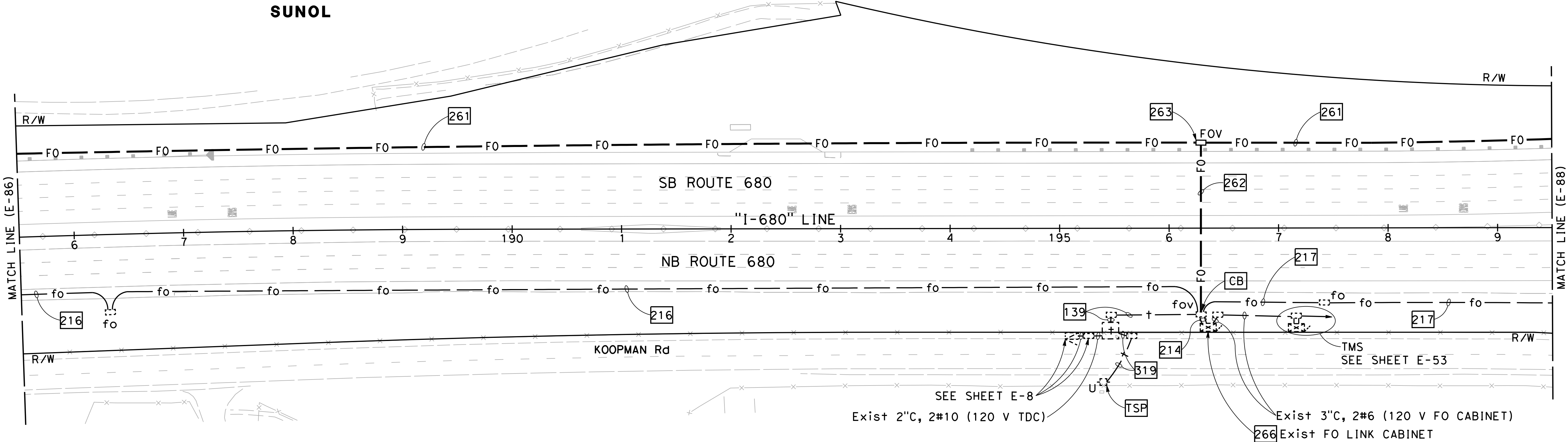
CIVIL

STATE OF CALIFORNIA

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CONSULTANTS, INC.
200 Brown Rd, Suite 108
Fremont, CA 94539

ALAMEDA CTC
1111 Broadway
Suite 800
Oakland, CA 94607



FIBER OPTIC CABLE SYSTEMS
SCALE: 1" = 50'
E-87

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

APPROVED FOR ELECTRICAL WORK ONLY

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist*	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, RO.0/RO.9	1211	1710



REGISTERED CIVIL ENGINEER

9-29-21
DATE

October 8, 2021

PLANS APPROVAL DATE

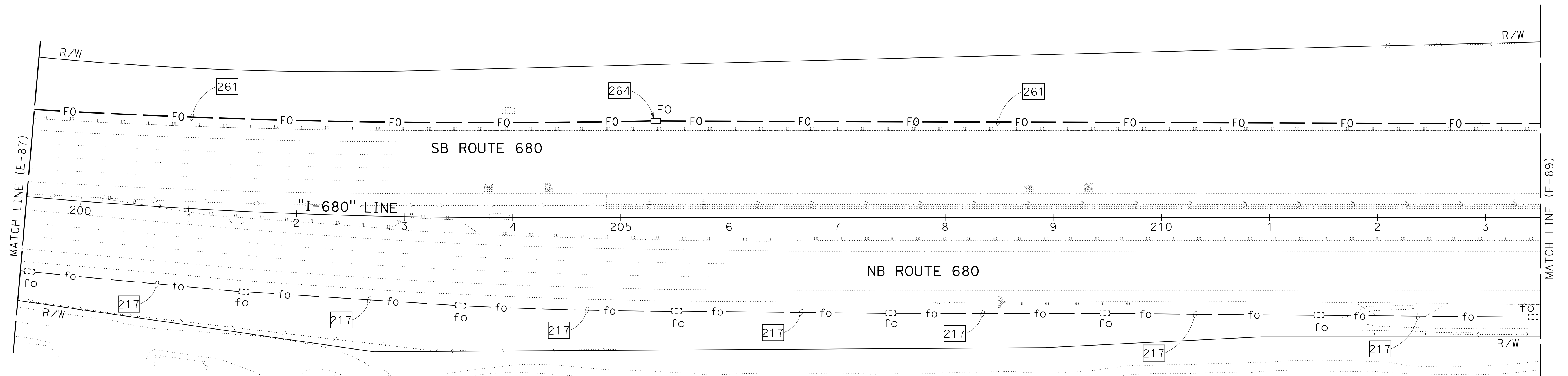


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**Y&C TRANSPORTATION
CONSULTANTS, INC.**
 200 Brown Rd, Suite 108
 Fremont, CA 94539

ALAMEDA CTC
 1111 Broadway
 Suite 800
 Oakland, CA 94607

SUNOL



FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E - 88

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

APPROVED FOR ELECTRICAL WORK ONLY



UNIT 0733

PROJECT NUMBER & PHASE

04200002351

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DGN FILE => 0420000235ua088.dgn

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BORDER LAST REVISED 7/2/2010

DATE PLOTTED => 8-MAR-2022	LAST REVISION
TIME PLOTTED => 17:02	09-29-21

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



MY

9-29-21

REVISOR

DATE

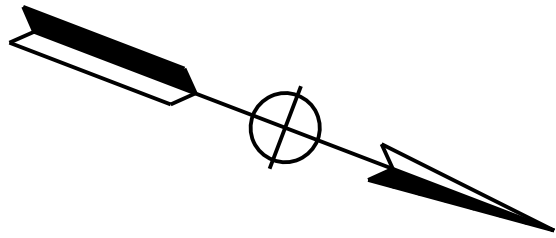
DESIGNED BY

CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR

TIMOTHY J. LEE

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

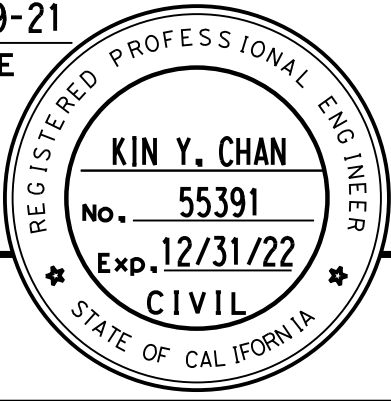


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1212	1710


REGISTERED CIVIL ENGINEER

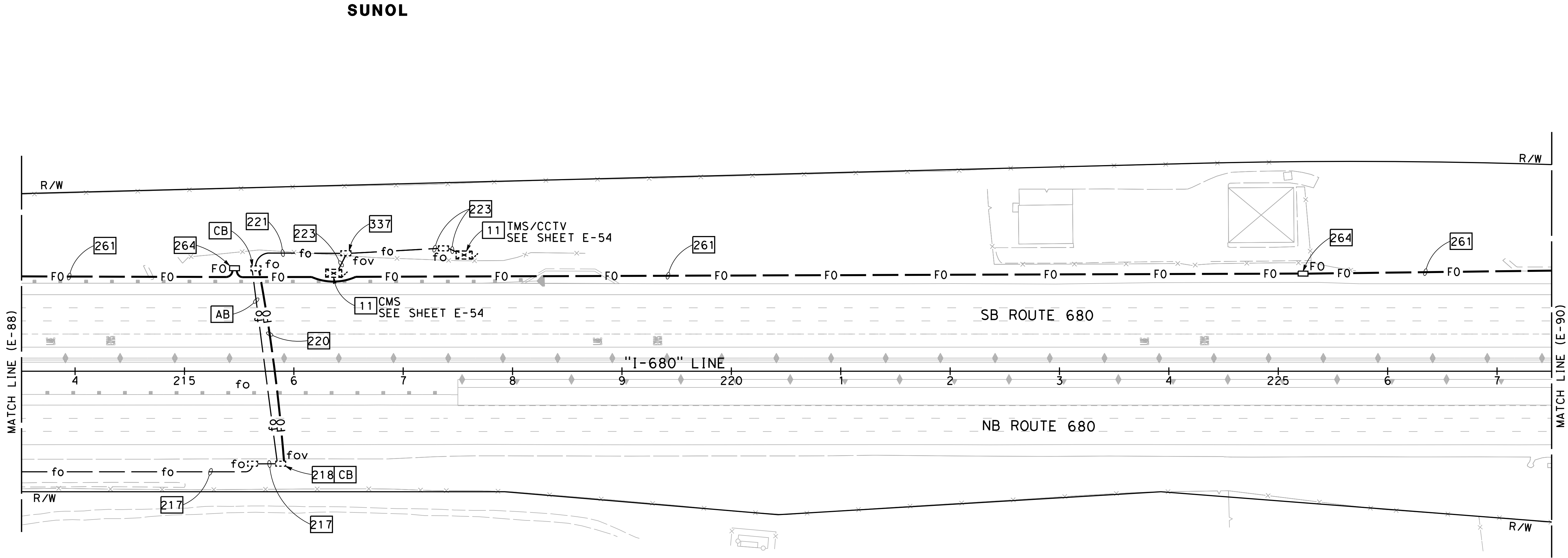
9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE



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FIBER OPTIC CABLE SYSTEMS
SCALE: 1" = 50'
E-89

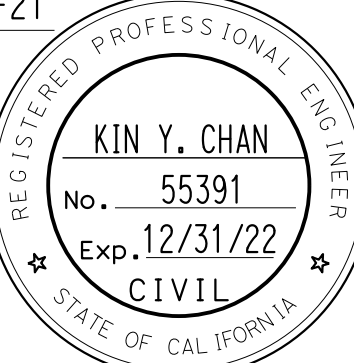
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1213	1710



REGISTERED CIVIL ENGINEER

9-29-21
DATE



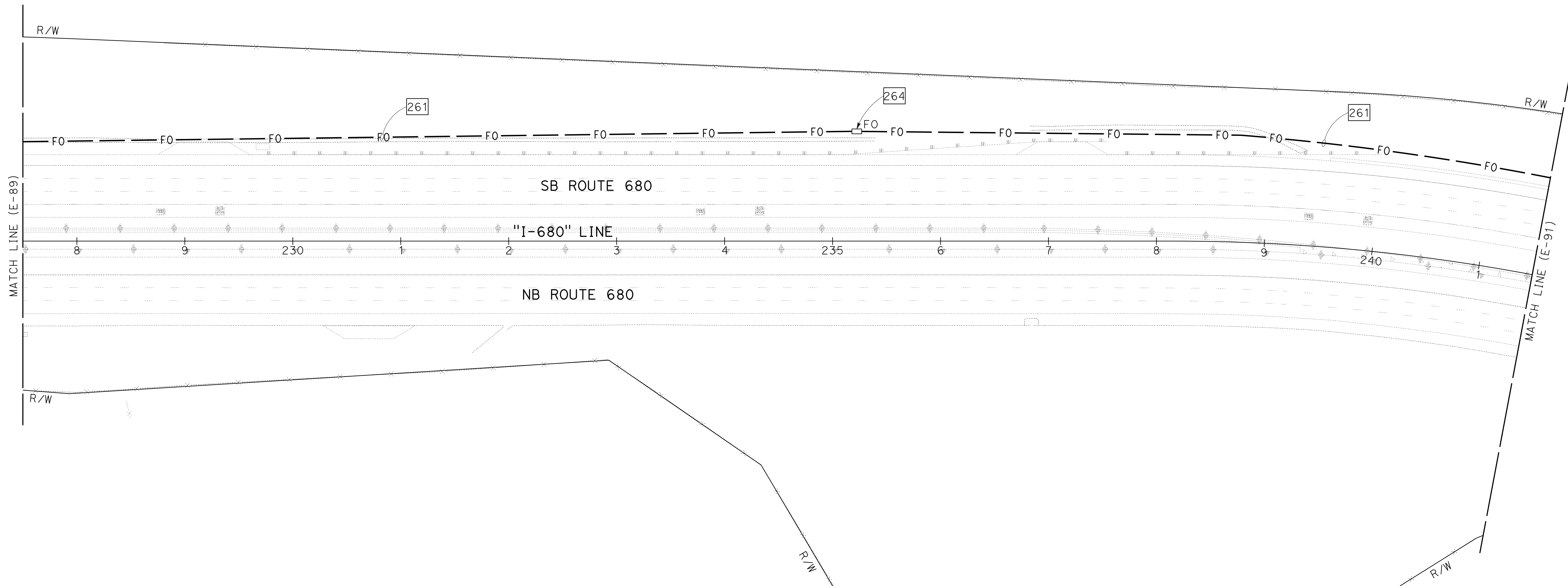
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--	---

SUNOL



FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E - 90

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LEGEND, SEE SHEETS E-1 TO E-5

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UNIT 0733

PROJECT NUMBER & PHASE

04200002351

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DGN FILE => 0420000235ua090.dgn

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BORDER LAST REVISED 7/2/2010

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

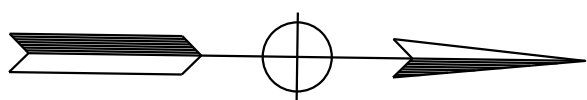
CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-

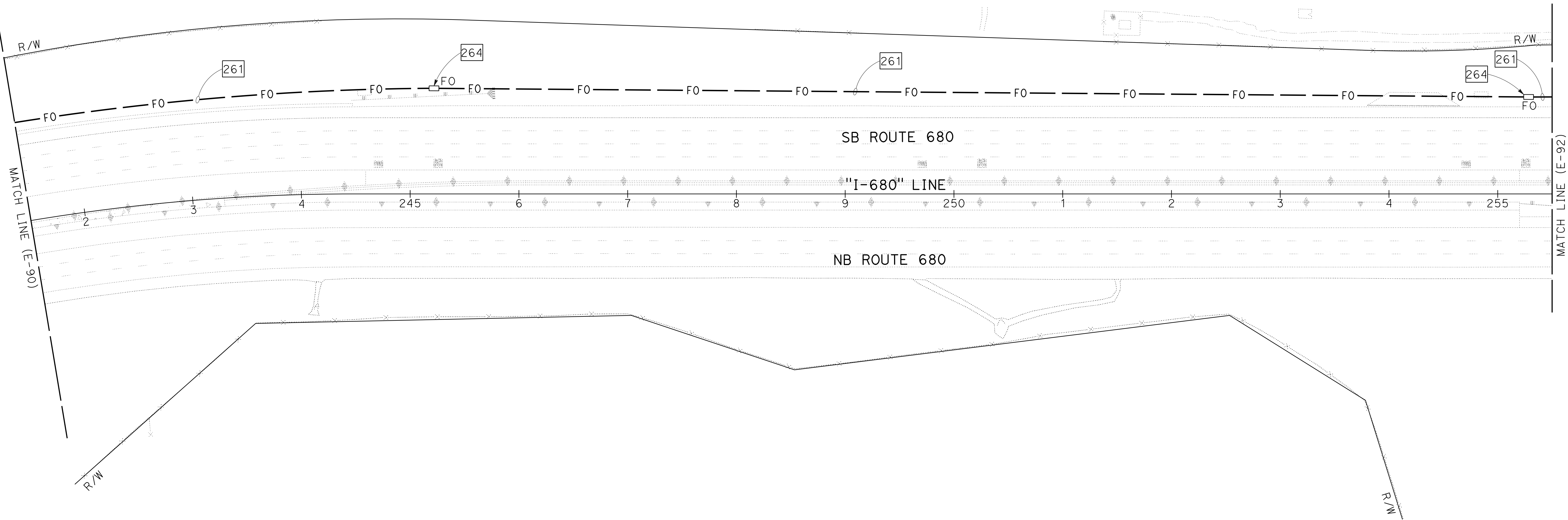
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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1214	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
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SUNOL



FIBER OPTIC CABLE SYSTEMS

SCALE: $1'' = 50'$

E - 91

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LEGEND, SEE SHEETS E-1 TO E-5

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UNIT 0733

PROJECT NUMBER & PHASE

04200002351

BORDER LAST REVISED 7/2/2010

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DGN FILE => 0420000235ua091.dgn

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RELATIVE BORDER SCALE
IS IN INCHES

UNIT 0733

PROJECT NUMBER & PHASE

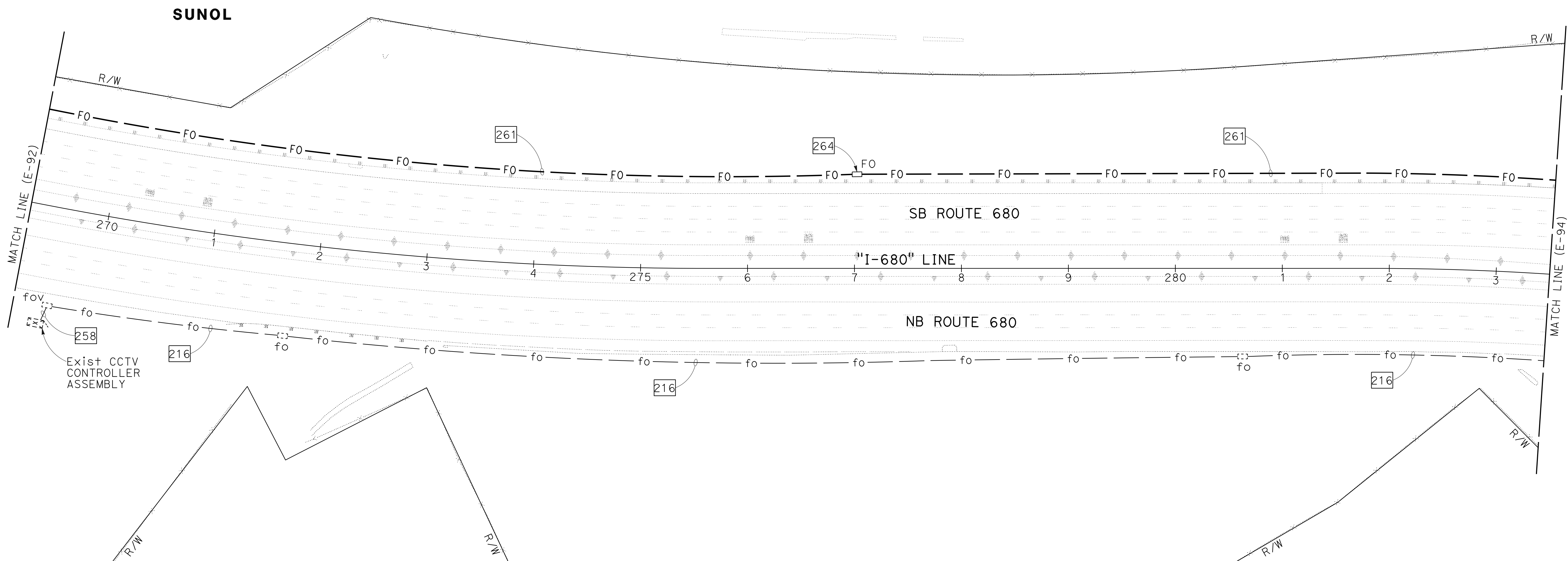
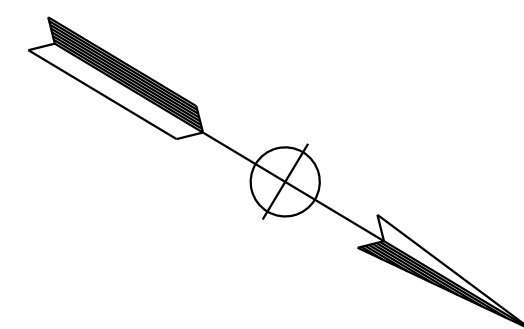
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DATE PLOTTED => 8-MAR-2022	LAST REVISION
TIME PLOTTED => 17:02	09-29-21

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, RO.0/RO.9	1216	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E - 93

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

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UNIT 0733

PROJECT NUMBER & PHASE

04200002351

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DGN FILE => 0420000235ua093.dgn

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RELATIVE BORDER SCALE
IS IN INCHES

BORDER LAST REVISED 7/2/2010

DATE PLOTTED => 8-MAR-2022	LAST REVISION
TIME PLOTTED => 17:02	09-29-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

PROJECT: 0420000235

DATE: 09-29-21

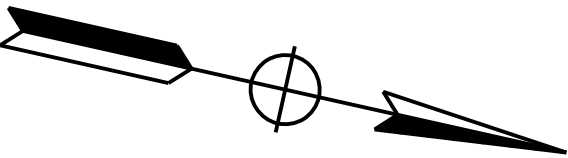
DESIGNED BY: TIMOTHY J. LEE

CHECKED BY: DAN K. YAU

REVISIONS:

MY 9-29-21

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1217	1710

9-29-21

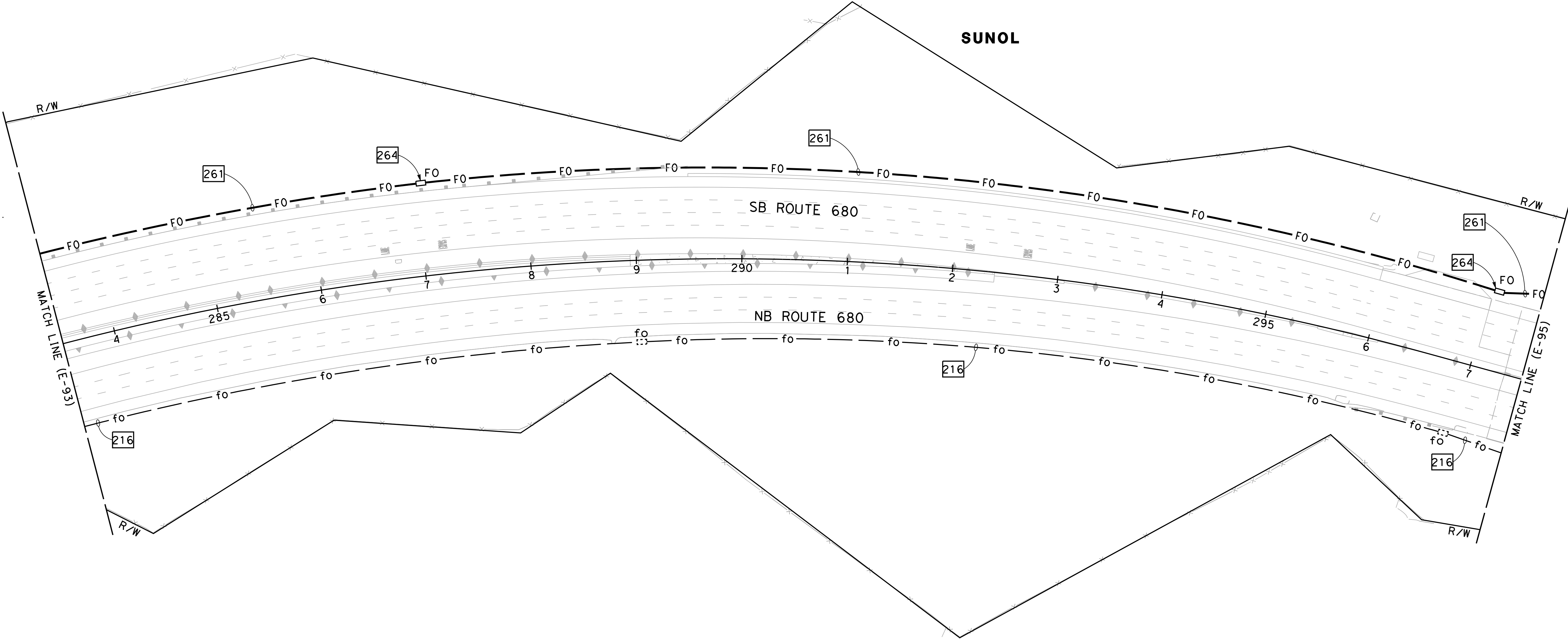
REGISTERED CIVIL ENGINEER

October 8, 2021

PLANS APPROVAL DATE

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LEGEND, SEE SHEETS E-1 TO E-5

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FIBER OPTIC CABLE SYSTEMS
SCALE: 1" = 50'

E-94

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MY

REVISOR

DATE

9-29-21

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CHECKED BY

TIMOTHY J. LEE

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1218	1710

REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

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1111 Broadway
Suite 800
Oakland, CA 94607

REGISTERED PROFESSIONAL ENGINEER

KIN Y. CHAN

No. 55391

Exp. 12/31/22

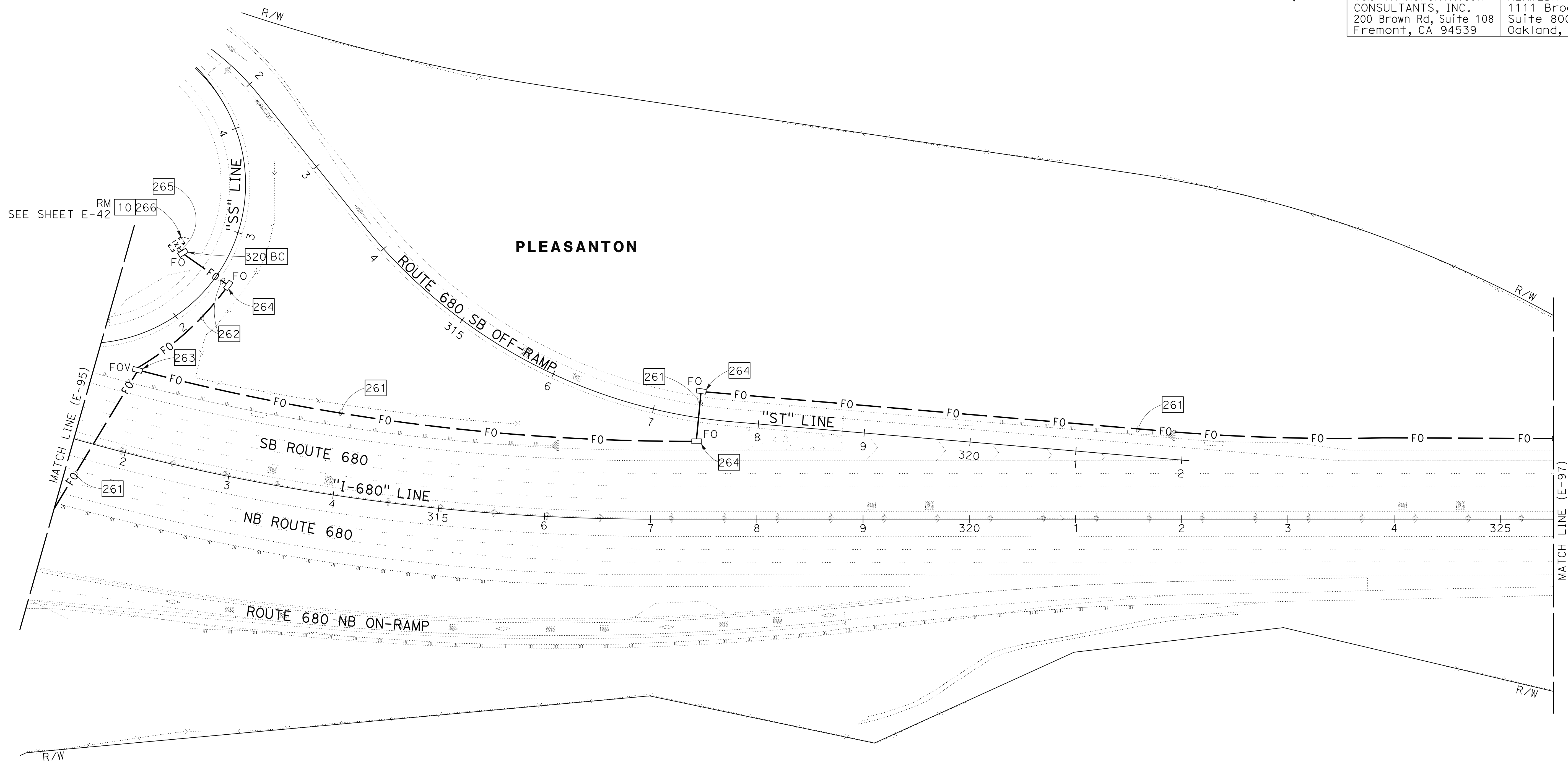
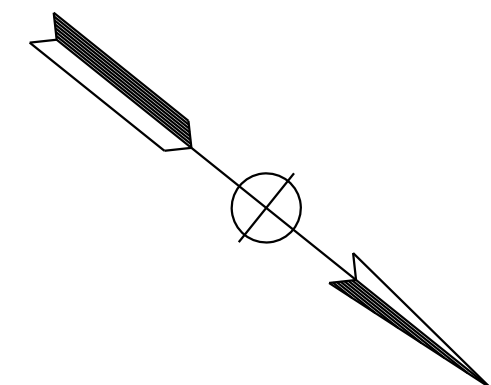
CIVIL

STATE OF CALIFORNIA

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, RO.0/RO.9	1219	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
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FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E - 96

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LEGEND, SEE SHEETS E-1 TO E-5

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DGN_FILE => 0420000235ug096.dgn

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RELATIVE BORDER SCALE
IS IN INCHES



UNIT 0733

PROJECT NUMBER & PHASE

04200002351

BORDER LAST REVISED 7/2/2010

DATE PLOTTED => 8-MAR-2022	LAST REVISION
TIME PLOTTED => 17:02	09-29-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



CONSULTANT FUNCTIONAL SUPERVISOR

TIMOTHY J. LEE

CALCULATED-DESIGNED BY

CHECKED BY

MENG YANG

DAN K. YAU

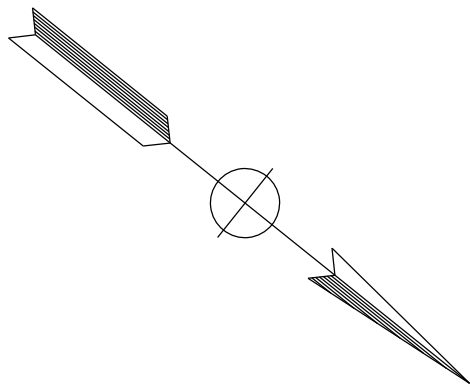
REVISD BY

DATE REVISED

MY

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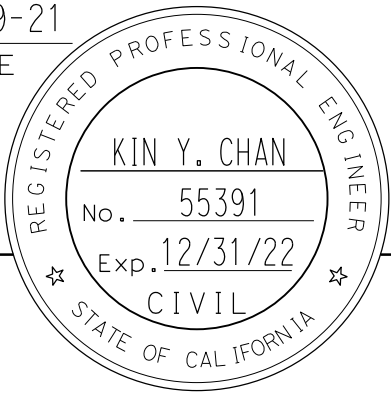


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1220	1710


REGISTERED CIVIL ENGINEER

9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE

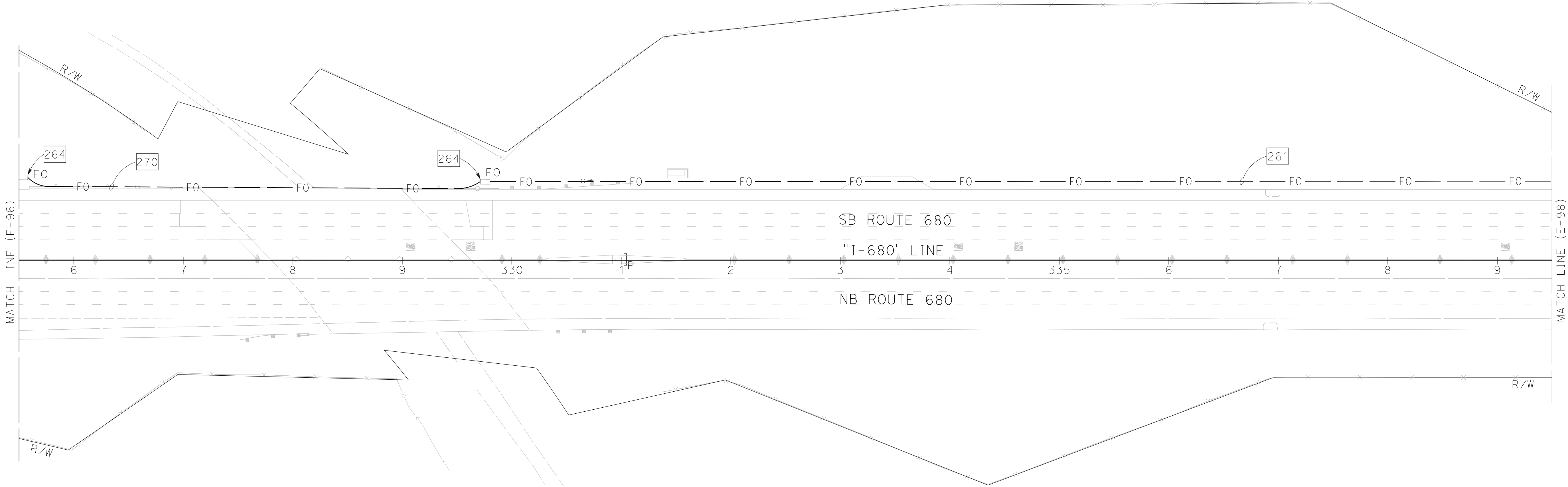


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SCALE: 1" = 50'

E-97

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

MY

9-29-21

MENG YANG

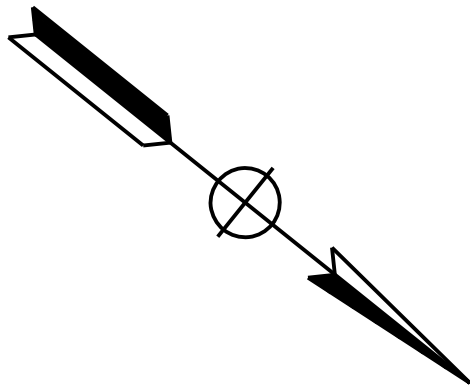
DAN K. YAU

CALCULATED-DESIGNED BY

CHECKED BY

TIMOTHY J. LEE

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1221	1710

9-29-21

REGISTERED CIVIL ENGINEER

DATE

October 8, 2021

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

KIN Y. CHAN

No. 55391

Exp. 12/31/22

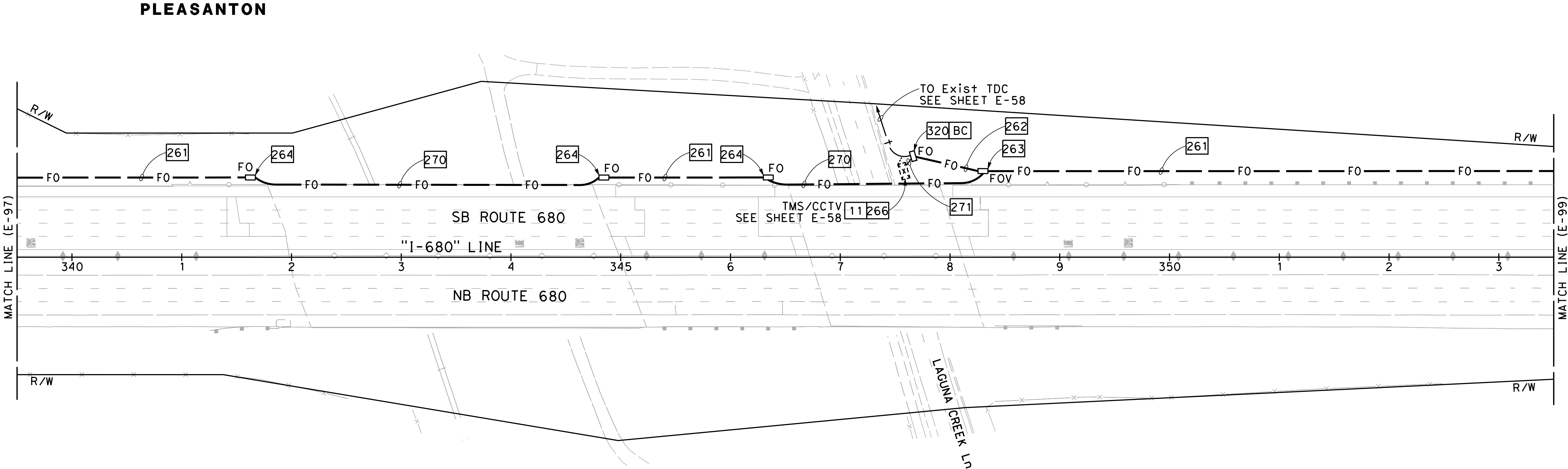
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SCALE: 1" = 50'

E-98

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



MY

9-29-21

MENG YANG

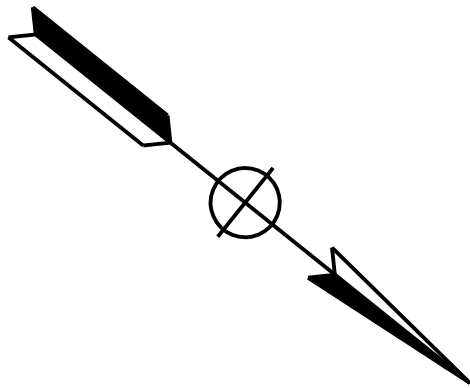
DAN K. YAU

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TIMOTHY J. LEE

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

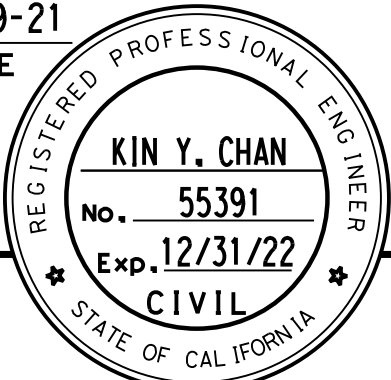


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER

9-29-21
DATE

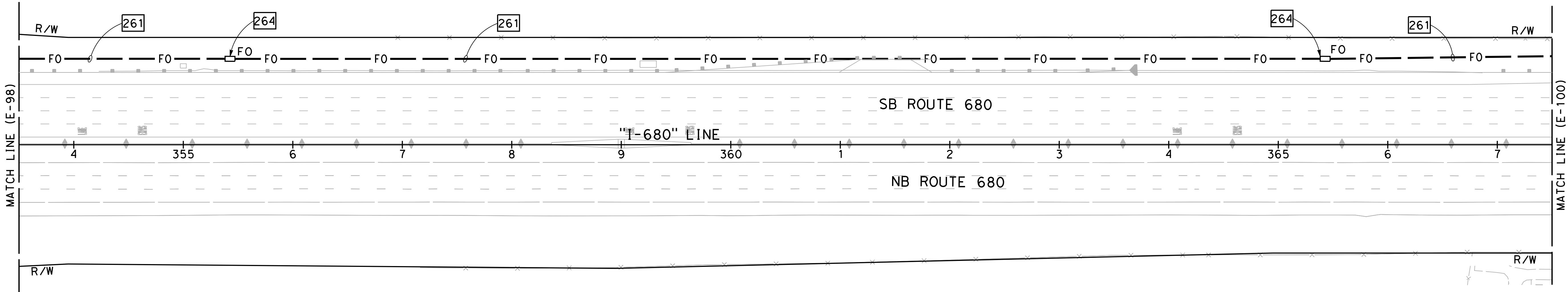
October 8, 2021
PLANS APPROVAL DATE



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FIBER OPTIC CABLE SYSTEMS
SCALE: 1" = 50'
E-99

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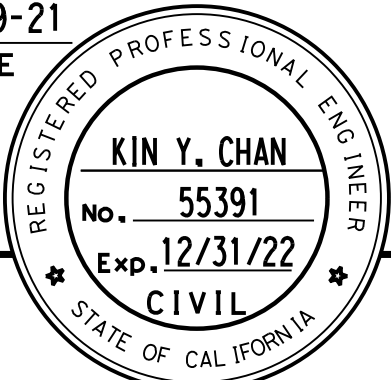
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER

9-29-21
DATE

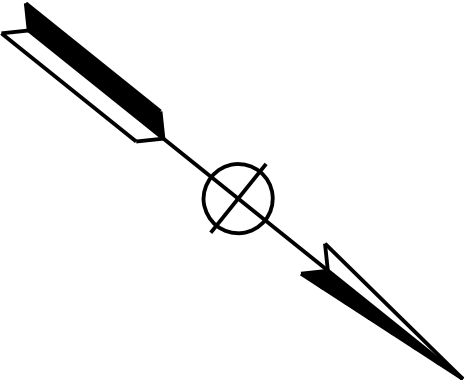
October 8, 2021
PLANS APPROVAL DATE



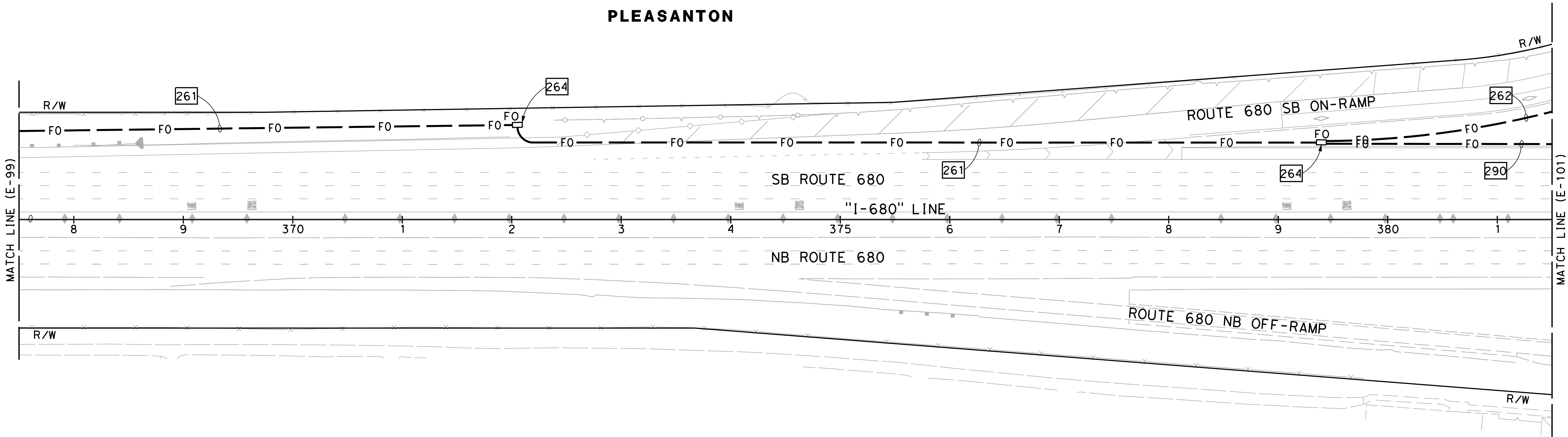
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FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E-100

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



MY

9-29-21

MENG YANG

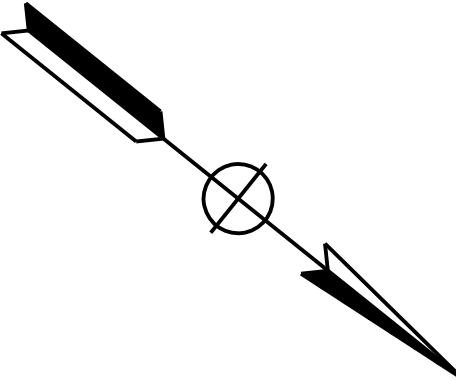
DAN K. YAU

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CHECKED BY

TIMOTHY J. LEE

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

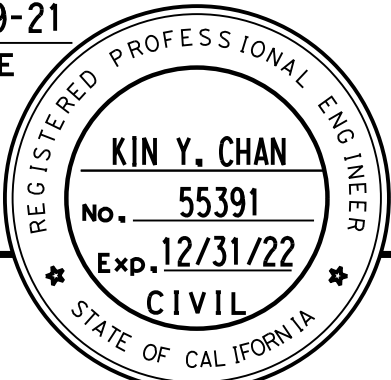


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1225	1710


REGISTERED CIVIL ENGINEER

9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE

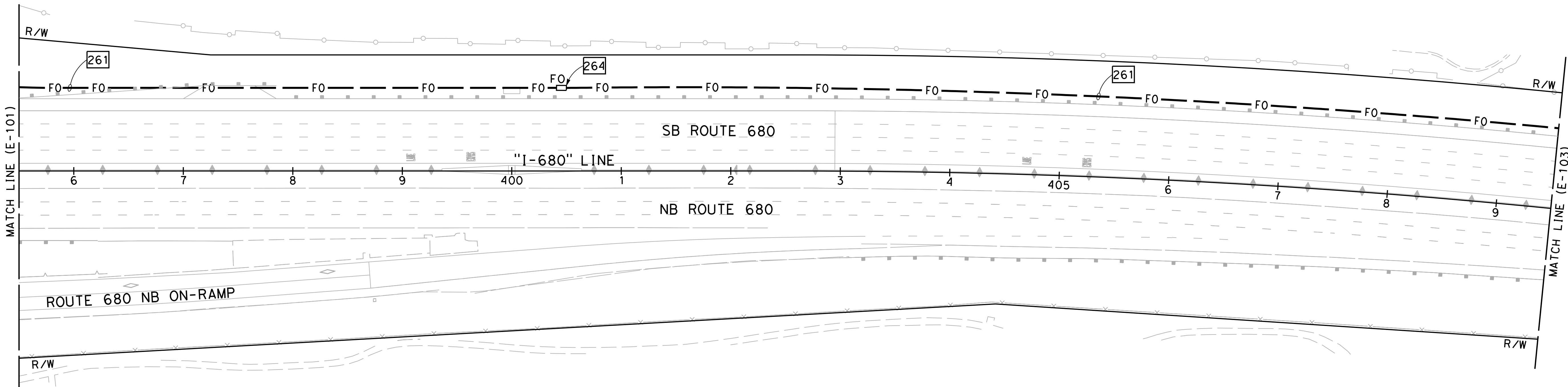


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FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E-102

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MY

9-29-21

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CONSULTANT FUNCTIONAL SUPERVISOR

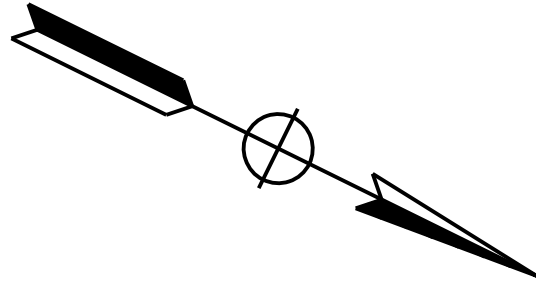
MENG YANG

DAN K. YAU

REVISD BY

DATE REVISED

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

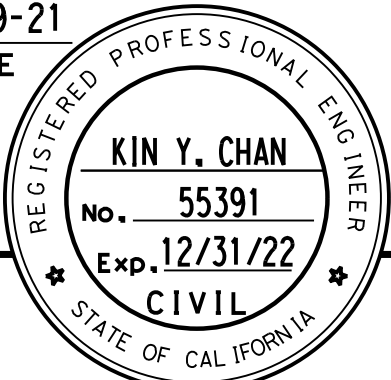


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER

9-29-21
DATE

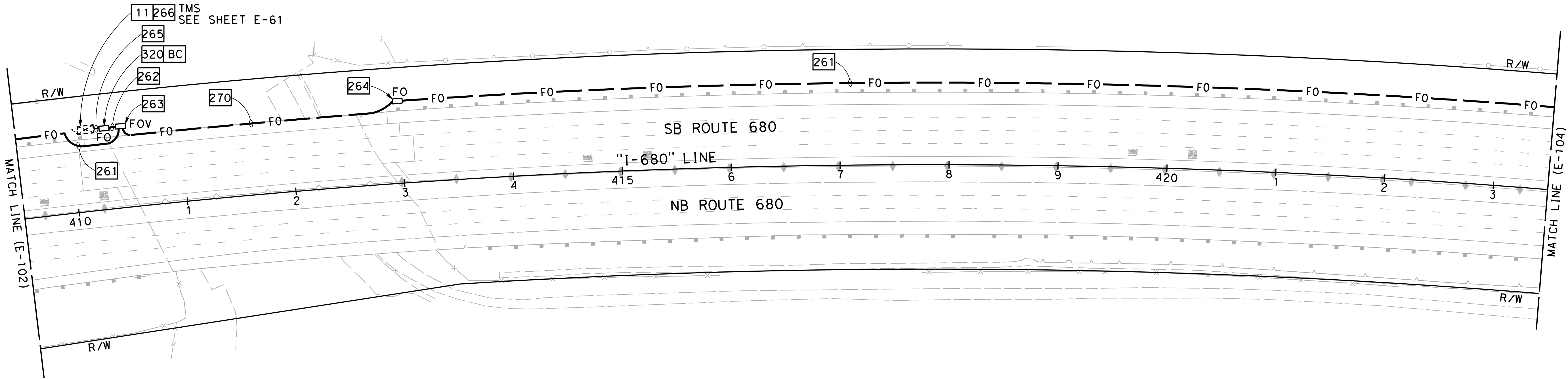
October 8, 2021
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Suite 800
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LEGEND, SEE SHEETS E-1 TO E-5

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FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E-103

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



MY

9-29-21

MENG YANG

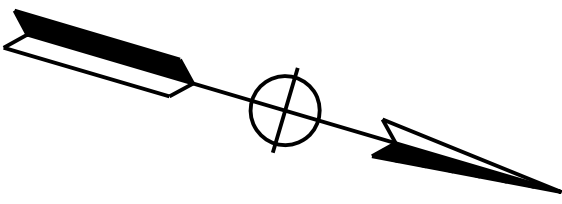
DAN K. YAU

CALCULATED-DESIGNED BY

CHECKED BY

TIMOTHY J. LEE

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FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

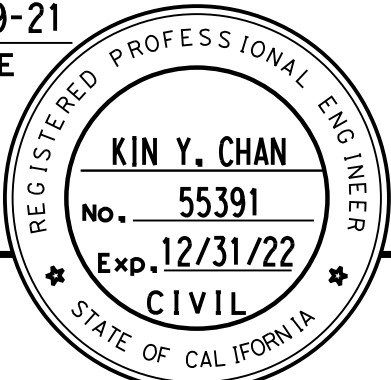


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1227	1710


REGISTERED CIVIL ENGINEER

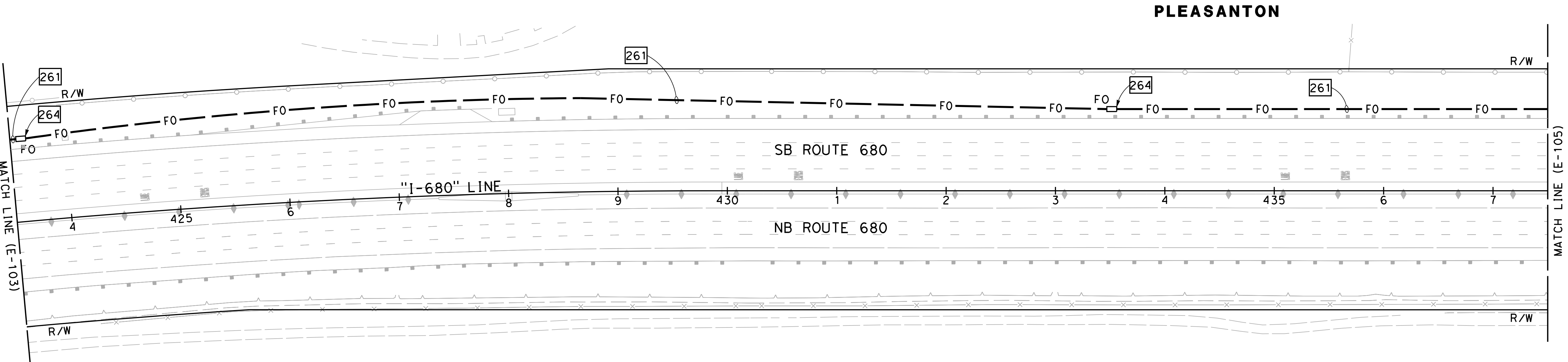
9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE



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CONSULTANTS, INC.
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Fremont, CA 94539

ALAMEDA CTC
1111 Broadway
Suite 800
Oakland, CA 94607



FIBER OPTIC CABLE SYSTEMS
SCALE: 1" = 50'

E-104

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist#	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1229	1710

Kin Y. Chan
 REGISTERED CIVIL ENGINEER 9-29-21
 DATE

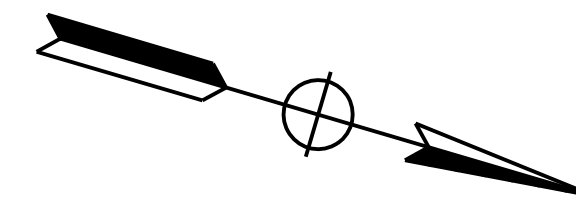
October 8, 2021
 PLANS APPROVAL DATE



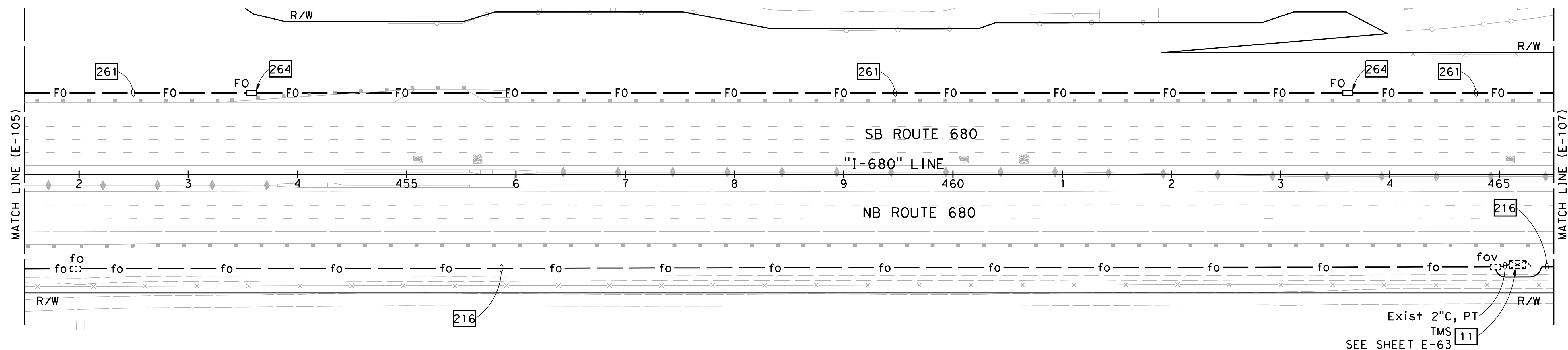
REGISTERED PROFESSIONAL ENGINEER
 KIN Y. CHAN
 No. 55391
 Exp. 12/31/22
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS
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PLEASANTON



FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E - 106

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

APPROVED FOR ELECTRICAL WORK ONLY



UNIT 0733

PROJECT NUMBER & PHASE

04200002351

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BORDER LAST REVISED 7/2/2010

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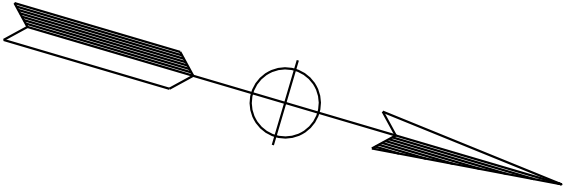
USERNAME => myang
DGN FILE => 0420000235ua106

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et® Caltrans®

DATE PLOTTED => 2/11/2022
 TIME PLOTTED => 11:21:41 AM

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

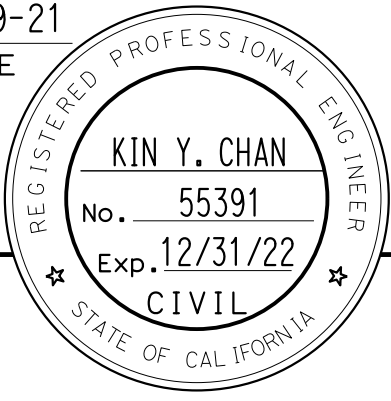


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1231	1710


REGISTERED CIVIL ENGINEER

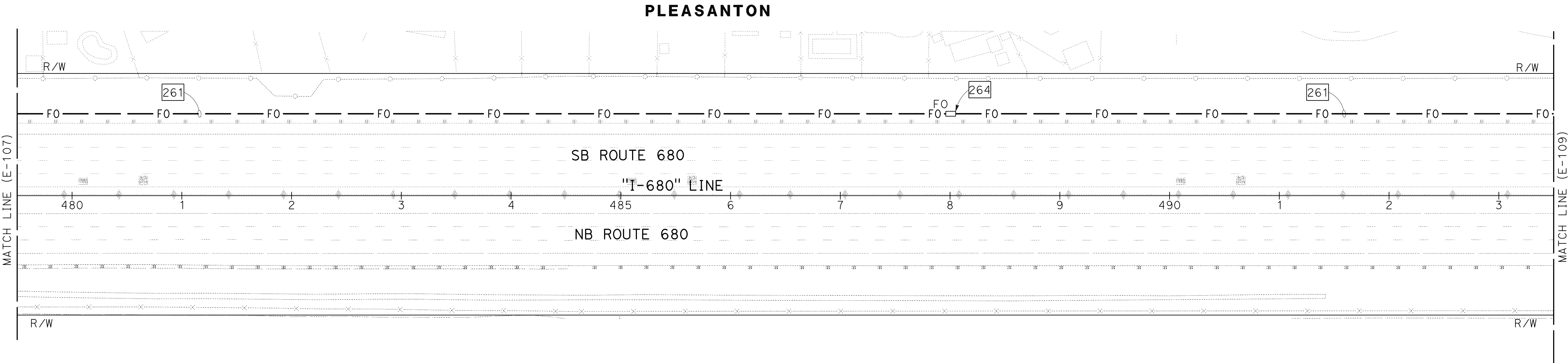
9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE



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Oakland, CA 94607



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LEGEND, SEE SHEETS E-1 TO E-5

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist#	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1232	1710

Kin Y. Chan
 REGISTERED CIVIL ENGINEER 9-29-21
 DATE

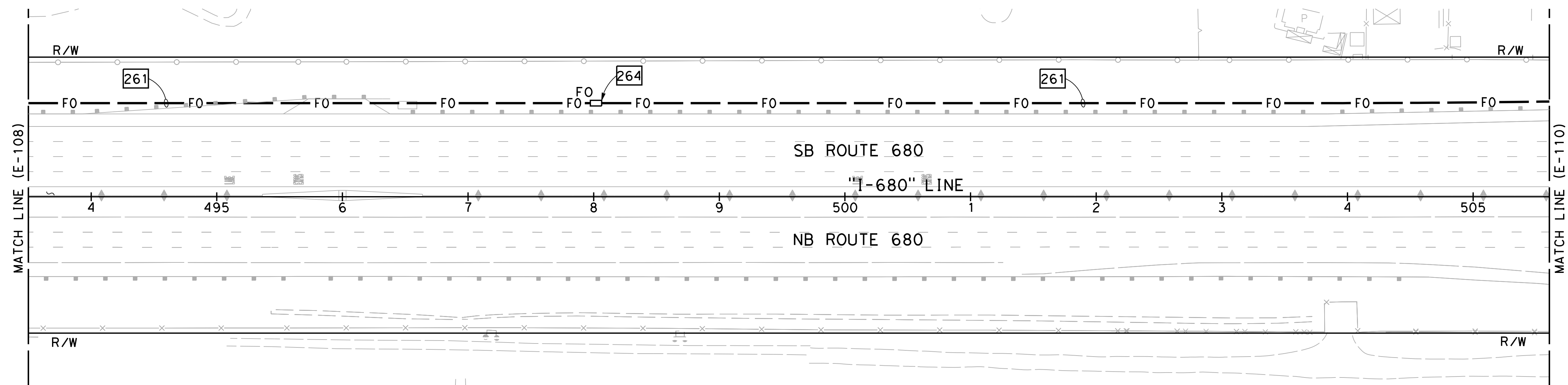
October 8, 2021
 PLANS APPROVAL DATE



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FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E - 109

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

APPROVED FOR ELECTRICAL WORK ONLY



UNIT 0733

PROJECT NUMBER & PHASE

04200002351

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USERNAME => myang
DGN FILE => 0420000235ua109

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BORDER LAST REVISED 7/2/2010

C:\Project\2020\116820 680 GAP\0420000235ua109.dgn

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Et. Cultans®

CONSULTANT FUNCTIONAL SUPERVISOR

[illegible][illegible]

LAST REVISION	DATE PLOTTED => 2/11/2022
09-29-21	TIME PLOTTED => 11:21:48 AM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, RO.0/RO.9	1234	1710


REGISTERED CIVIL ENGINEER

9-29-21
DATE



October 8, 2021

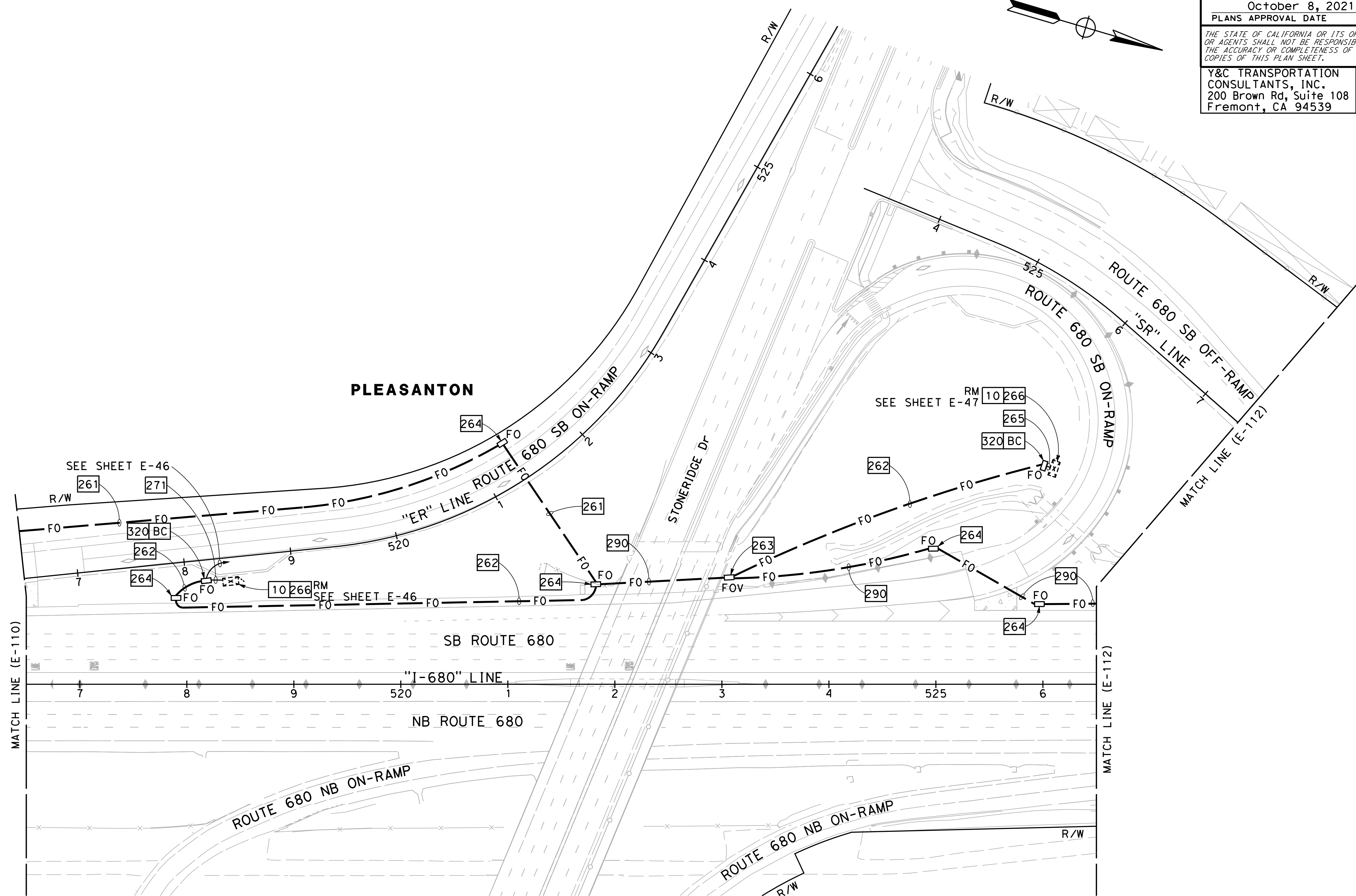
PLANS APPROVAL DATE

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

E-111

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

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USERNAME => myang
DGN FILE => 04200000235uq111

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RELATIVE BORDER SCALE
IS IN INCHES

UNIT 0733

PROJECT NUMBER & PHASE

04200002351

LAST REVISION	DATE PLOTTED => 2/11/2022
09-29-21	TIME PLOTTED => 11:21:52 AM

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	TOTAL MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1235	1710

K. Chan
 REGISTERED CIVIL ENGINEER 9-29-21
 DATE

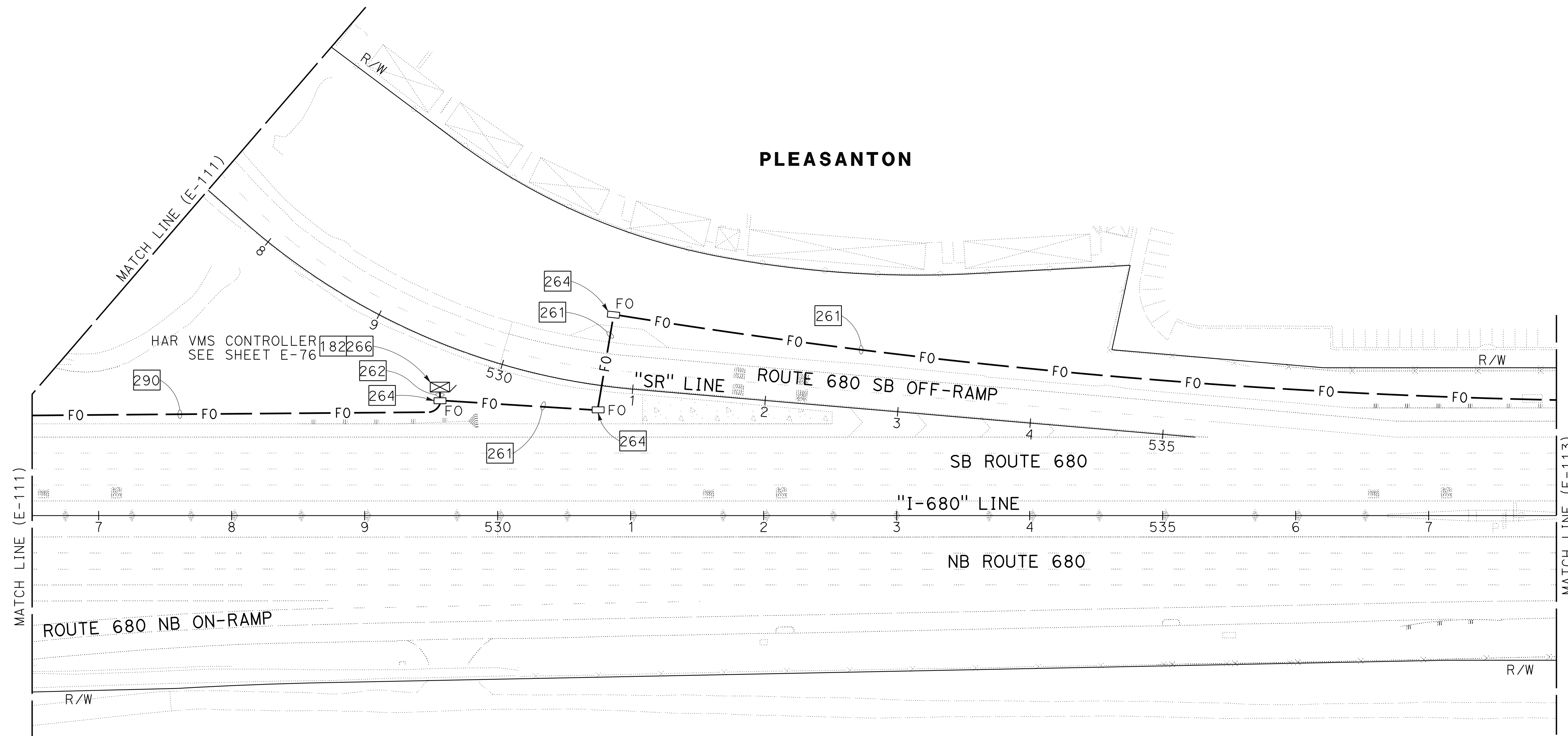
October 8, 2021
 PLANS APPROVAL DATE

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 Suite 800
 Oakland, CA 94607



SCALE: 1" = 50'

E - 112

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

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UNIT 0733

PROJECT NUMBER & PHASE

04200002351

BORDER LAST REVISED 7/2/2010

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DGN FILE => 0420000235ug112.dgn

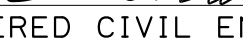
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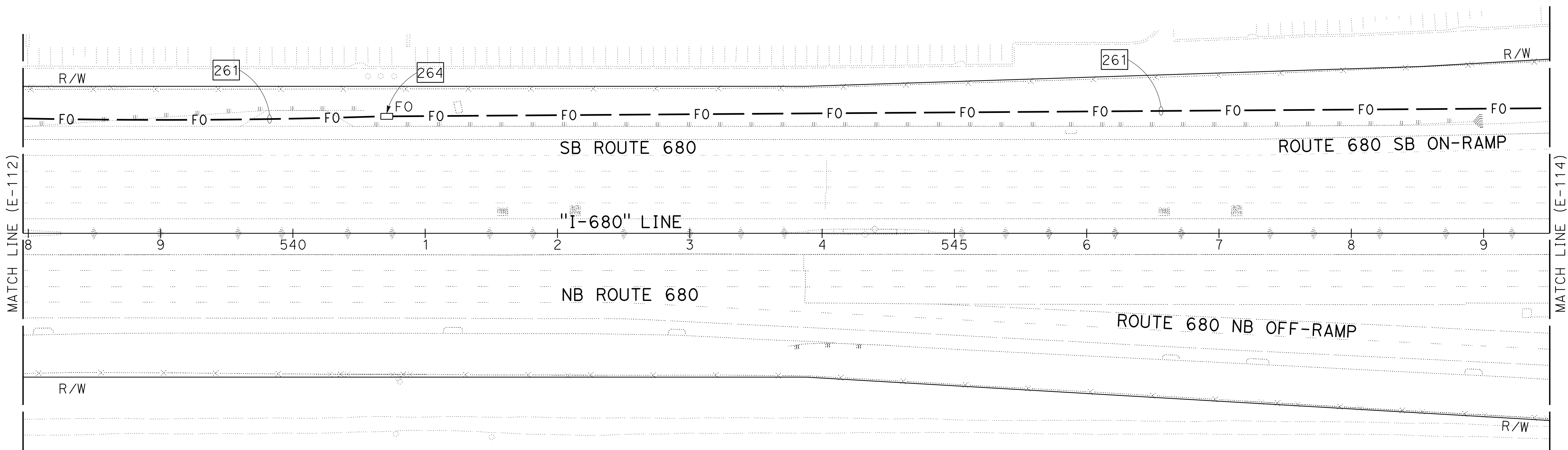
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

FUNCTIONAL SUPERVISOR

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1236	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
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PLEASANTON



FIBER OPTIC CABLE SYSTEMS

SCALE: $1'' = 50'$

E - 113

APPROVED FOR ELECTRICAL WORK ONLY



UNIT 0733

PROJECT NUMBER & PHASE

04200002351

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Subaru®

TIMOTHY J. LEE

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-

MENG YANG

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X

NOTE:
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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1237	1710


REGISTERED CIVIL ENGINEER

9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

KIN Y. CHAN

No. 55391

Exp. 12/31/22

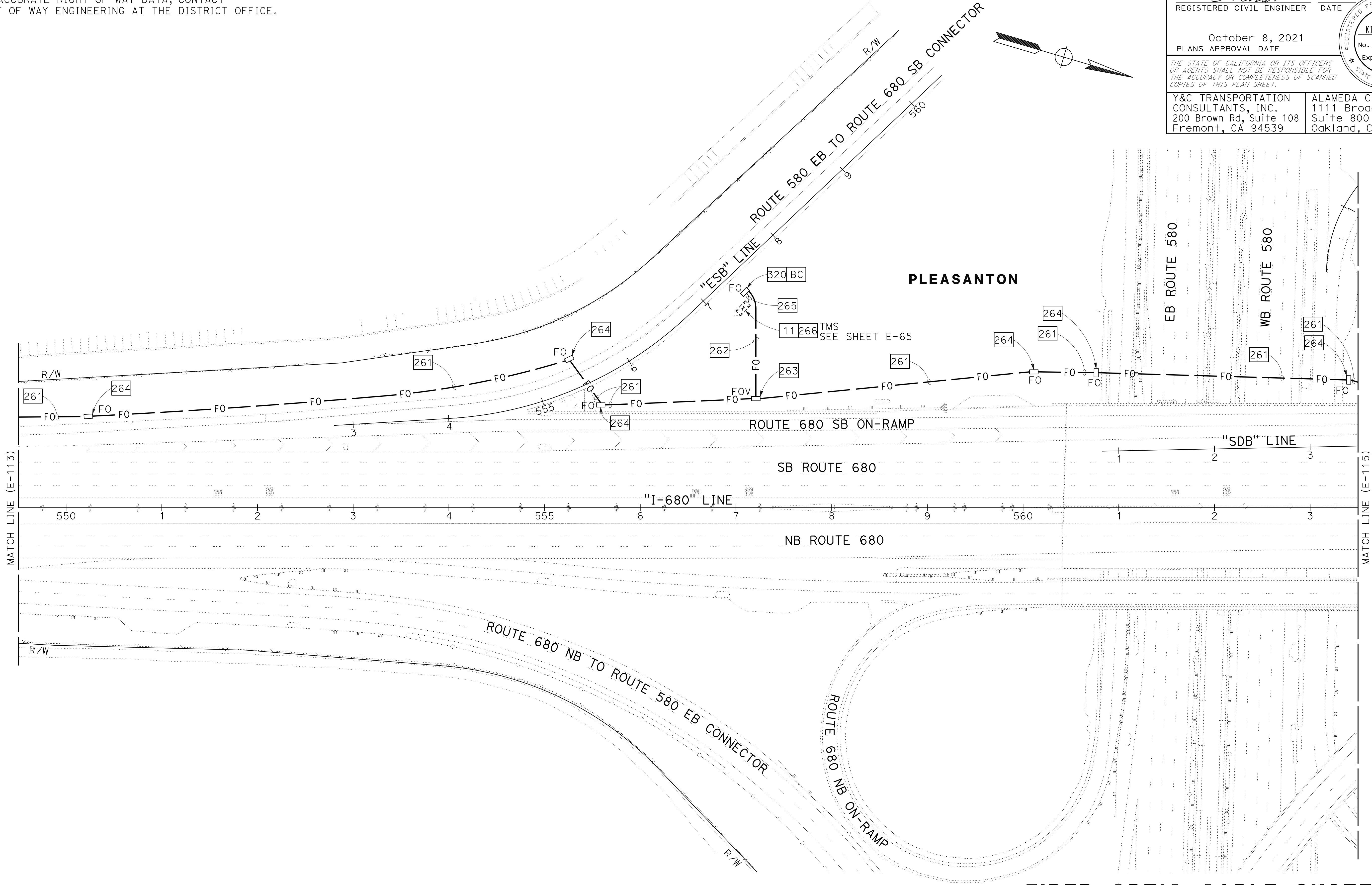
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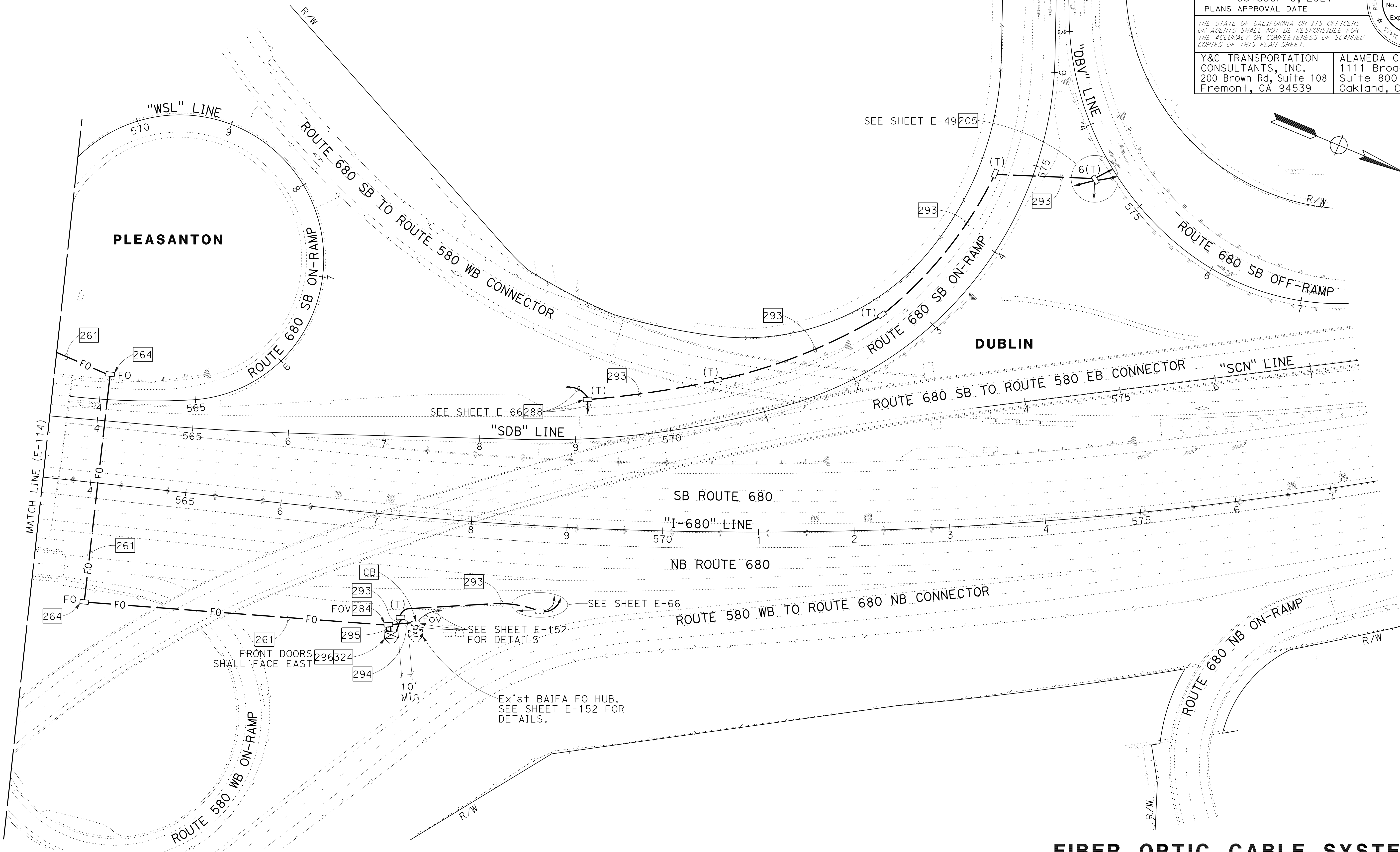


FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-1 TO E-5

APPROVED FOR ELECTRICAL WORK ONLY

FIBER OPTIC CABLE SYSTEMS
SCALE: 1" = 50'
E-114

NOTE:
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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

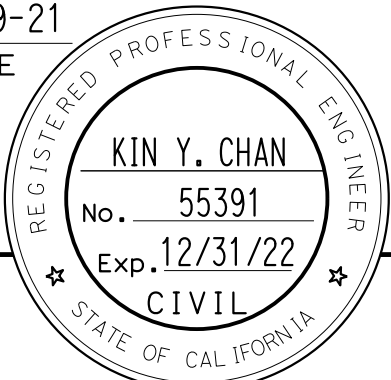


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1238	1710


REGISTERED CIVIL ENGINEER

9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE



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LEGEND, SEE SHEETS E-1 TO E-5

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FIBER OPTIC CABLE SYSTEMS

SCALE: 1" = 50'

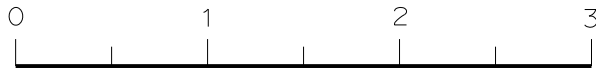
E-115

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USERNAME => p302438
DGN FILE => 0420000235ua116.dgn

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RELATIVE BORDER SCALE
IS IN INCHES



PROJECT NUMBER & PHASE

DATE PLOTTED => 8-MAR-2022	LAST REVISION
TIME PLOTTED => 17:04	09-29-21

E - 116

NOTES, ABBREVIATIONS AND EQUIPMENT LEGEND

[illegible]

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DATE: 09-29-21

TIME: 17:05

REVISIONS

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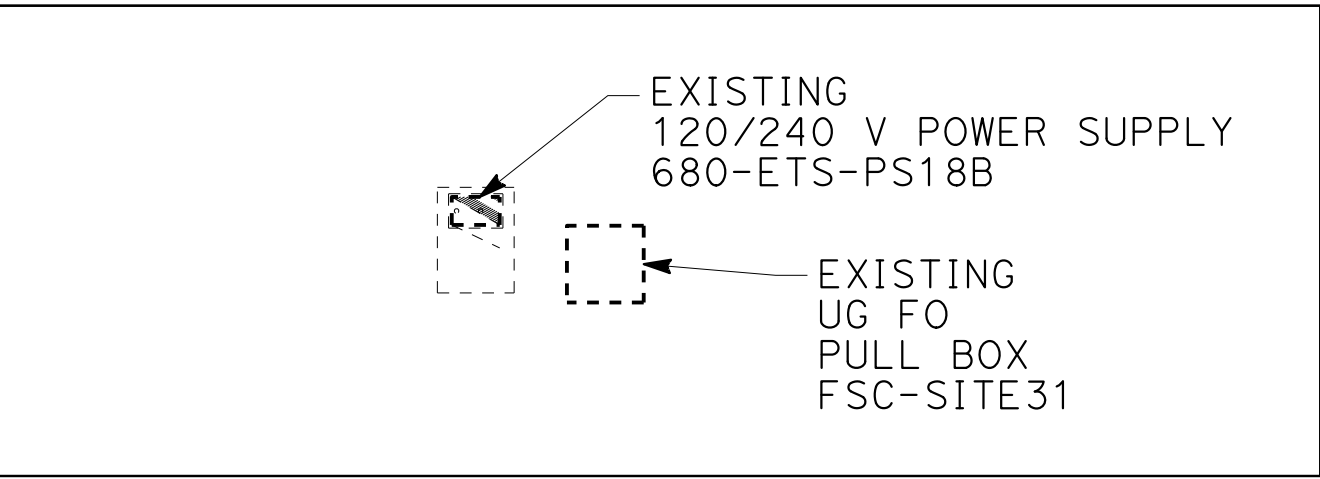
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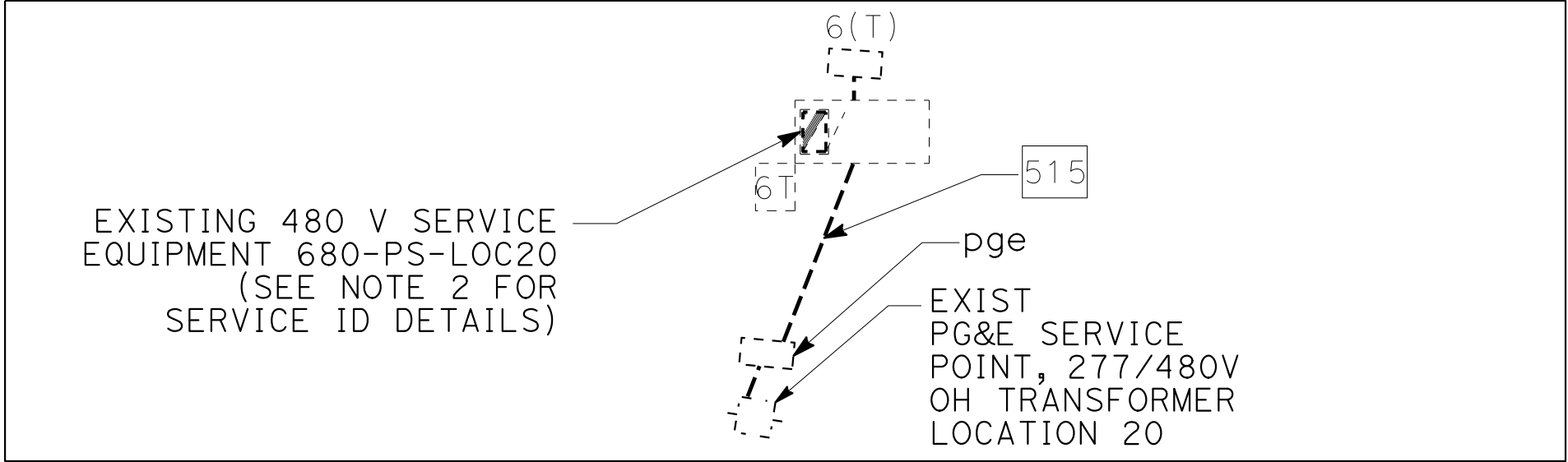
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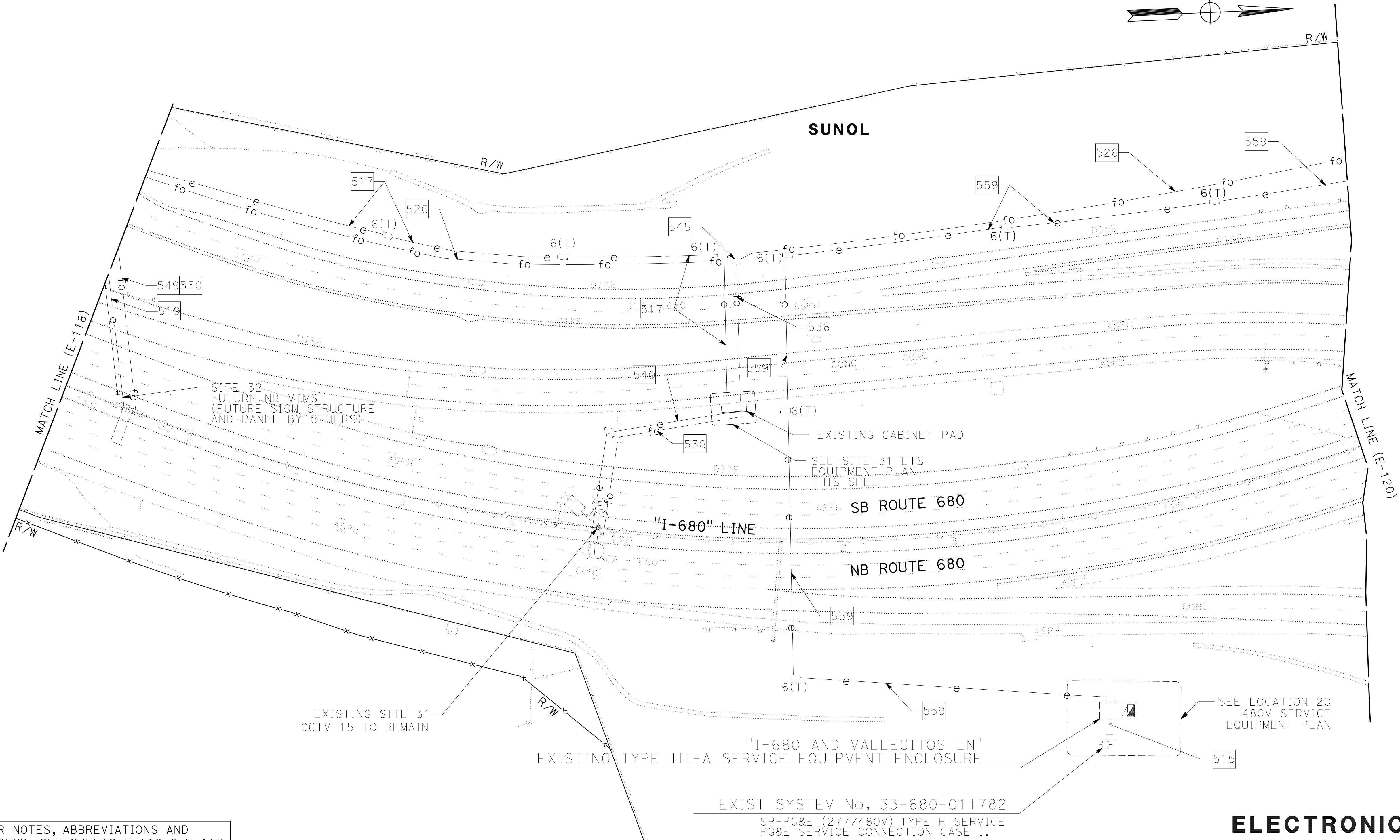
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. SERVICE POINT IDENTIFICATION: ACTC-POS-680-ETS-LOC20. SEE ED-84 FOR RISER DETAILS.



EXISTING SITE 31-ETS EQUIPMENT PLAN
NO SCALE



EXISTING LOCATION 20-480 V SERVICE EQUIPMENT PLAN
(NO SCALE)



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-119

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1242	1710
REGISTERED CIVIL ENGINEER			9-29-21	DATE	
October 8, 2021			PLANS APPROVAL DATE		
AECOM 4 N. Second Street Suite 675 San Jose, CA 95113			ALAMEDA CTC 1111 Broadway Suite 800 Oakland, CA 94607		

ARBhoi

9-29-21

October 8, 2021

PLANS APPROVAL DATE

Abhijeet R. Bhoi

No. 68606

Exp. 9-30-23

CIVIL

STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

TIMOTHY J. LEE

CALCULATED-DESIGNED BY

CHECKED BY

JASON VINCENT

SIMA MORADI BAJESTANI

REVISD BY

DATE REVISED

JV

9-29-21

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117



APPROVED FOR ELECTRICAL WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1243	1710

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REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

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Suite 675

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ALAMEDA CTC

1111 Broadway

Suite 800

Oakland, CA 94607

REGISTERED PROFESSIONAL ENGINEER

Abhijeet R. Bhoi

No. 68606

Exp. 9-30-23

CIVIL

STATE OF CALIFORNIA

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-120

0:\0030\UNDRAFTING\FINAL_P58E\0420000235ua121.dgn

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

REVISOR	DATE	BY	REASON
JV	9-29-21		

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1244	1710

ARBhoi

REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

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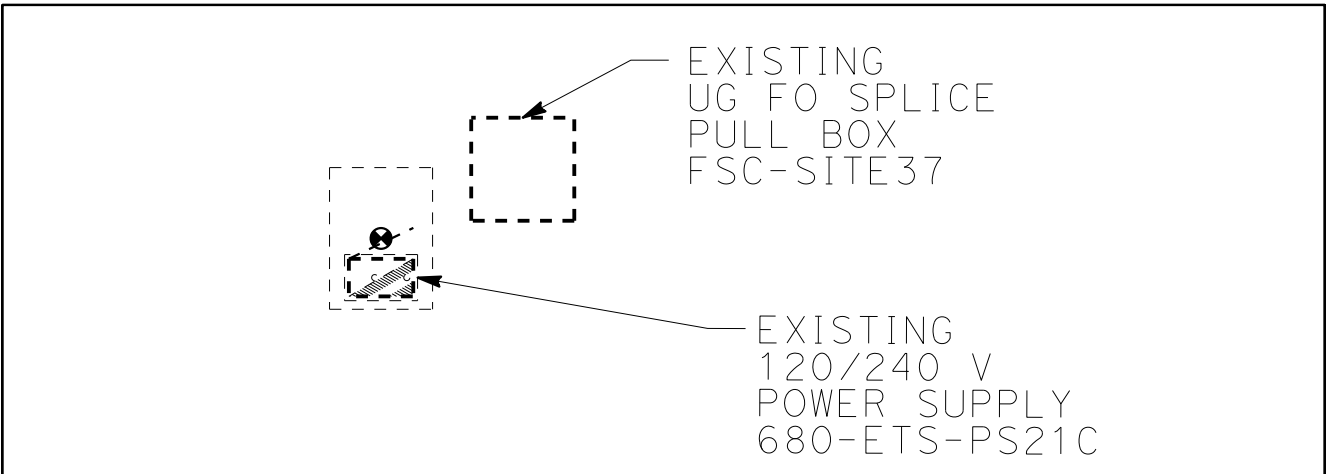
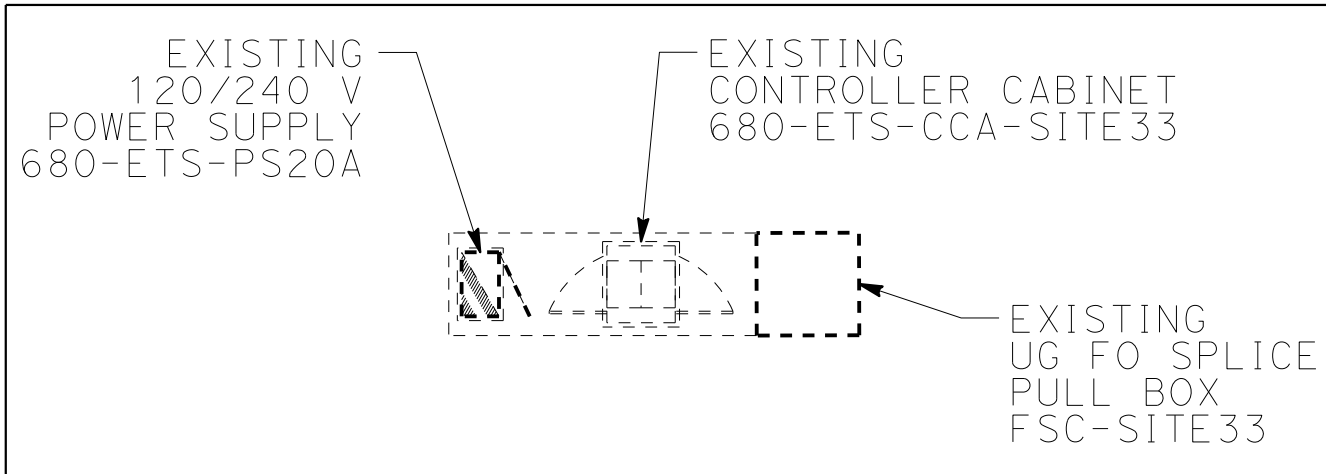
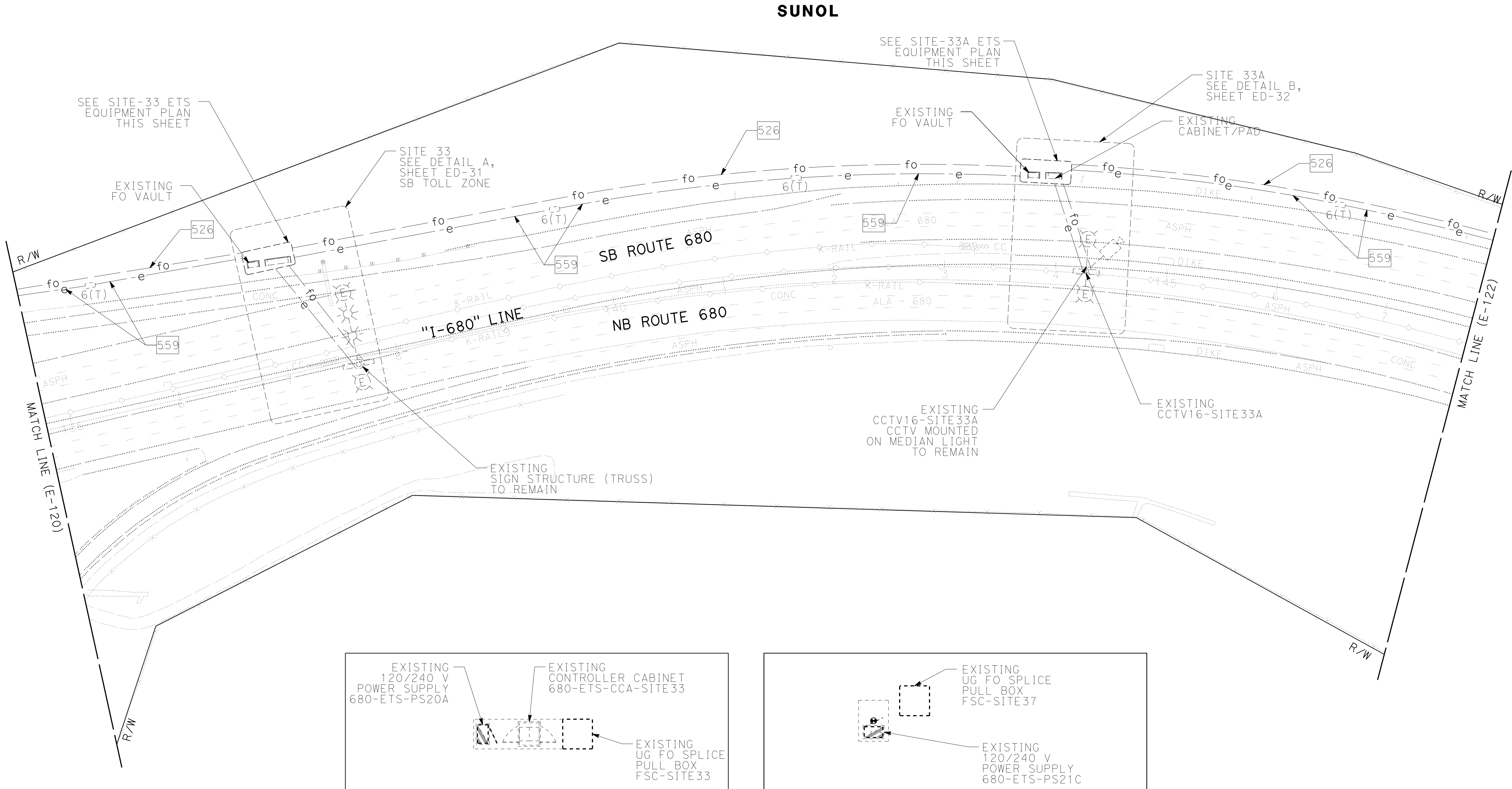
Abhijeet R. Bhoi

No. 68606

Exp. 9-30-23

CIVIL

STATE OF CALIFORNIA



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEETS E-116 & E-117

SITE 33-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-31)
NO SCALE

SITE 33A-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-32)
NO SCALE

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'

E-121

APPROVED FOR ELECTRICAL WORK ONLY

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

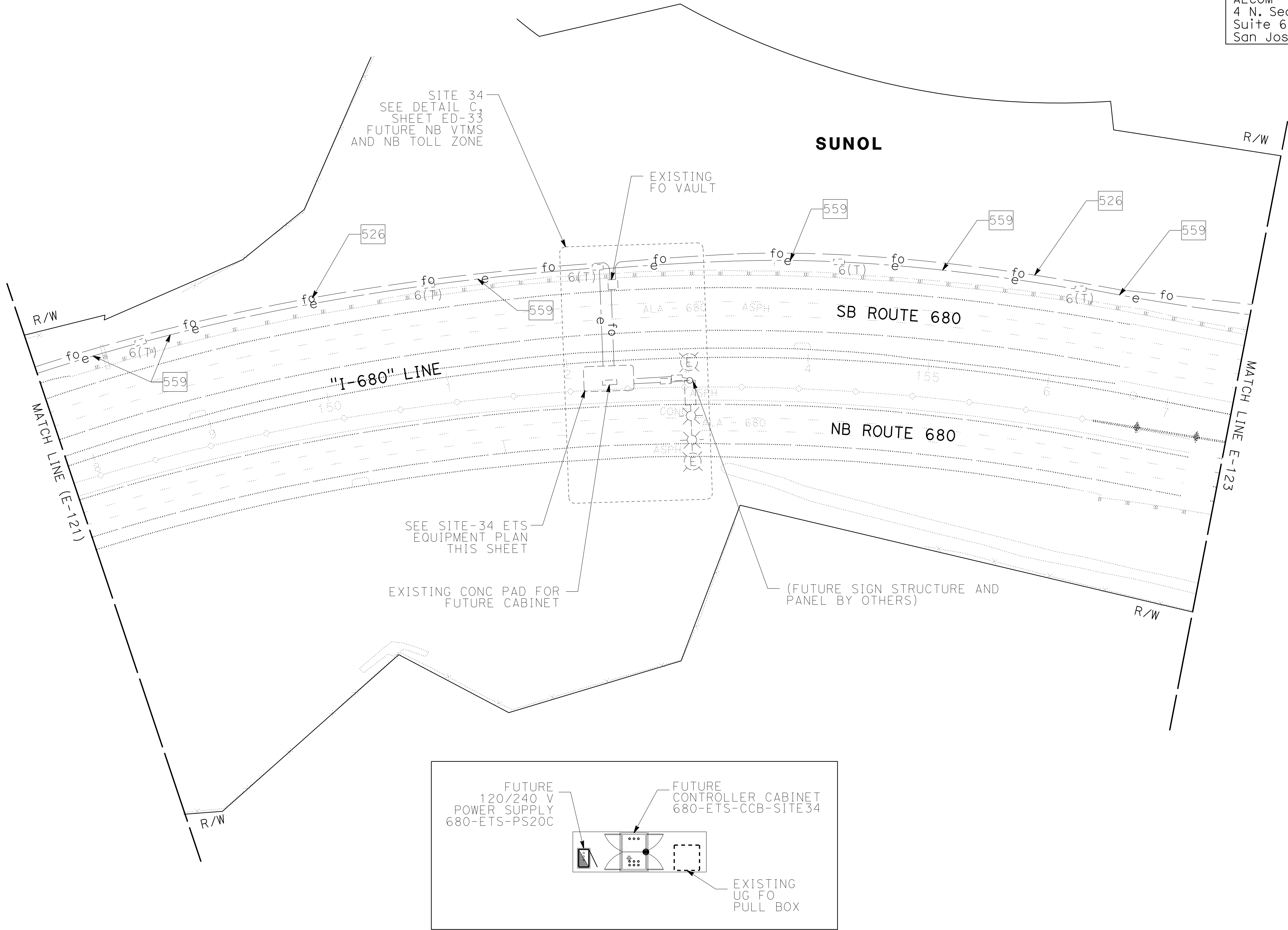


REVISIONS

NO.	DATE	BY	REVISION
1	09-29-21	JV	FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



SITE 34-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-33)
NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1245	1710

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REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

PLANS APPROVAL DATE

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1111 Broadway
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Oakland, CA 94607

Abhijeet
R. Bhoi

No. 68606

Exp. 9-30-23

CIVIL

STATE OF CALIFORNIA

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-122

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1247	1710

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REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

PLANS APPROVAL DATE

Abhijeet R. Bhoi

No. 68606

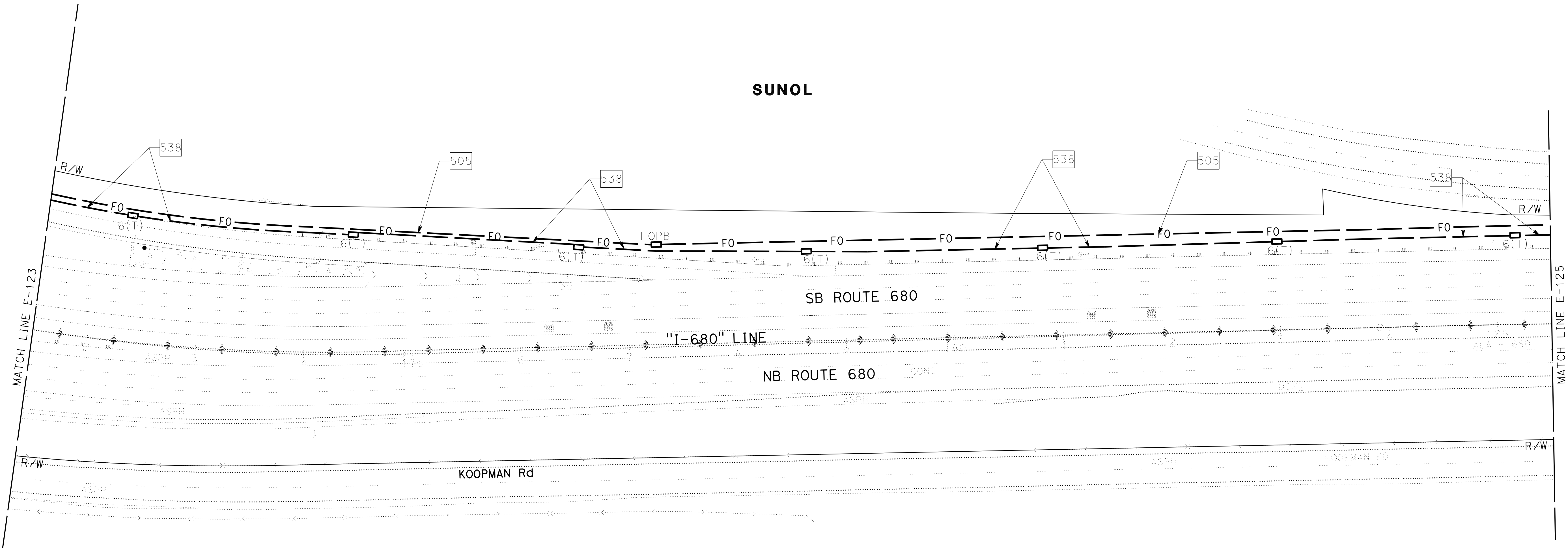
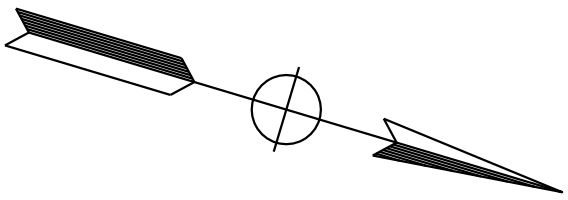
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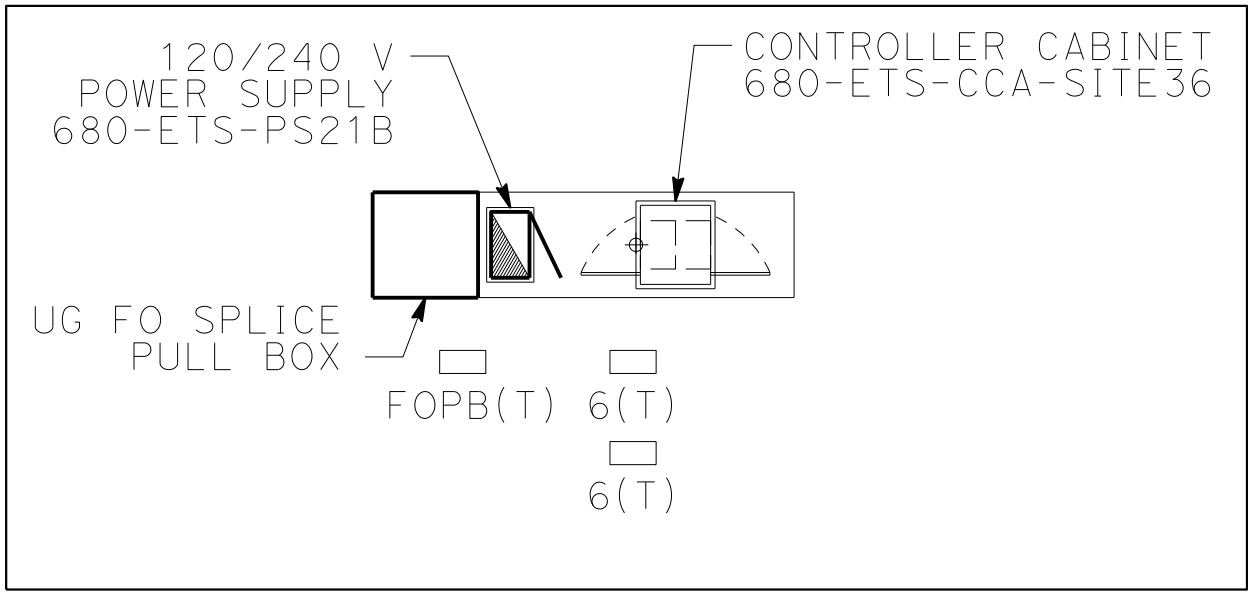
FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-124

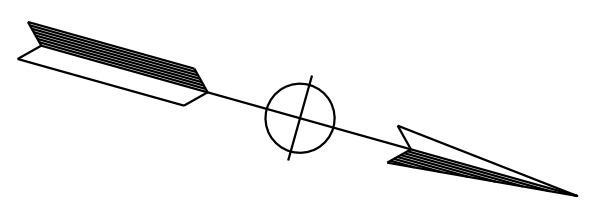
APPROVED FOR ELECTRICAL WORK ONLY

NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



SITE 36-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-35, NO SCALE)



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1248	1710

ARBhoi

REGISTERED CIVIL ENGINEER

DATE 9-29-21

October 8, 2021

PLANS APPROVAL DATE

Abhijeet R. Bhoi

No. 68606

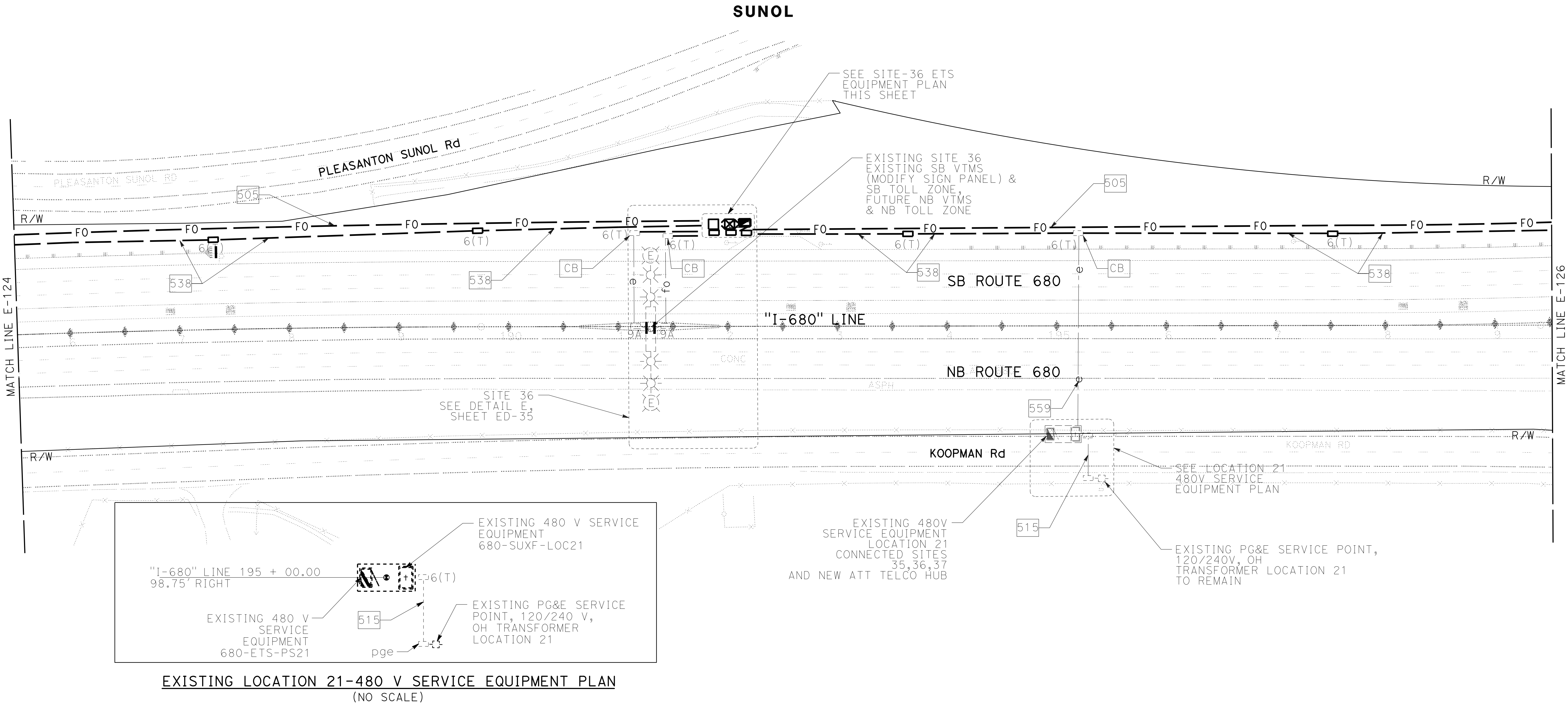
Exp. 9-30-23

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STATE OF CALIFORNIA

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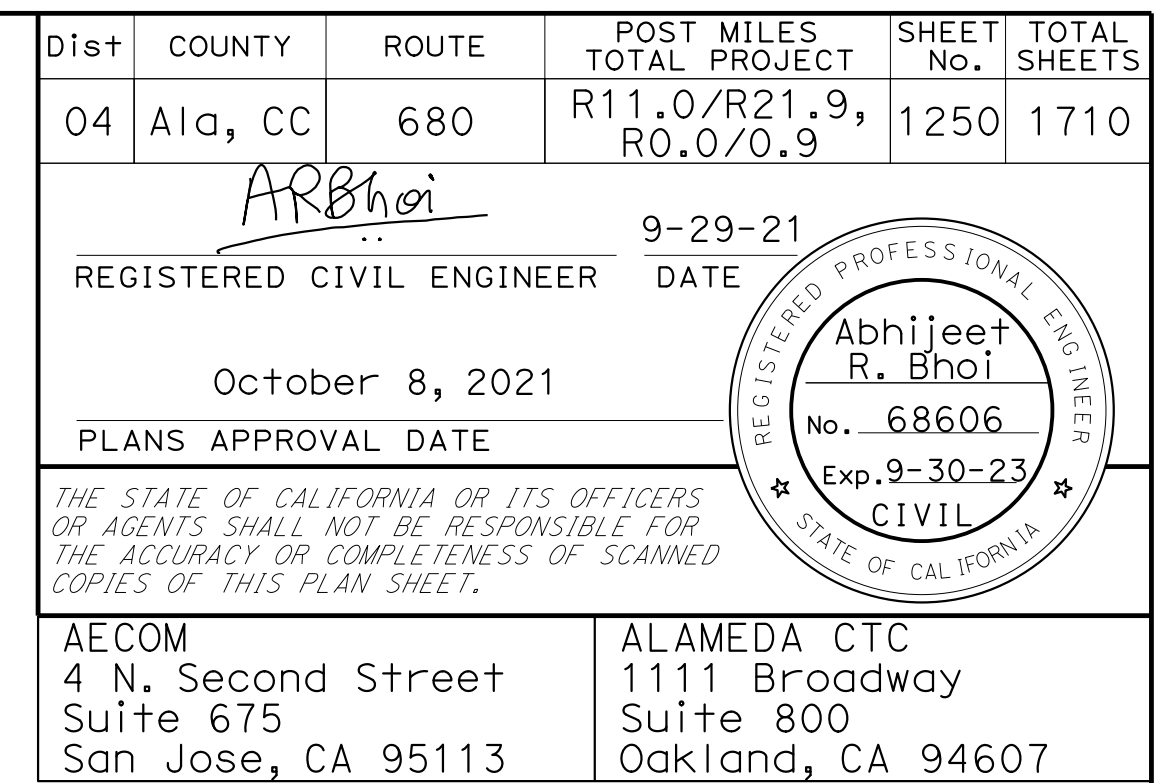
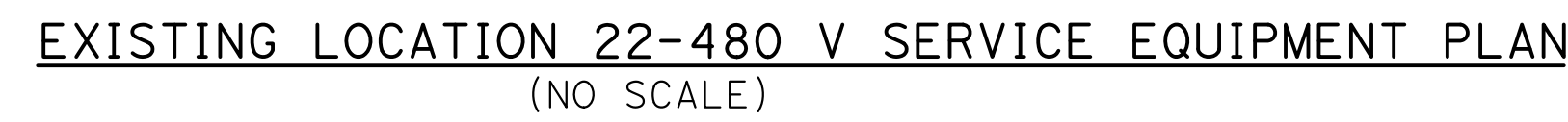


FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-125

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



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0:\0030\UNDRAFTING\FINAL_P58E\0420000235\ug129.dgn

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DATE

09-29-21

DESIGNED BY

JASON VINCENT

CHECKED BY

SIMA MORADI BAJESTANI

FUNCTIONAL SUPERVISOR

TIMOTHY J. LEE

REVISIONS

DATE

REVISOR

REVISION

DATE

09-29-21

BY

JV

REVISION

DATE

REVISOR

REVISION

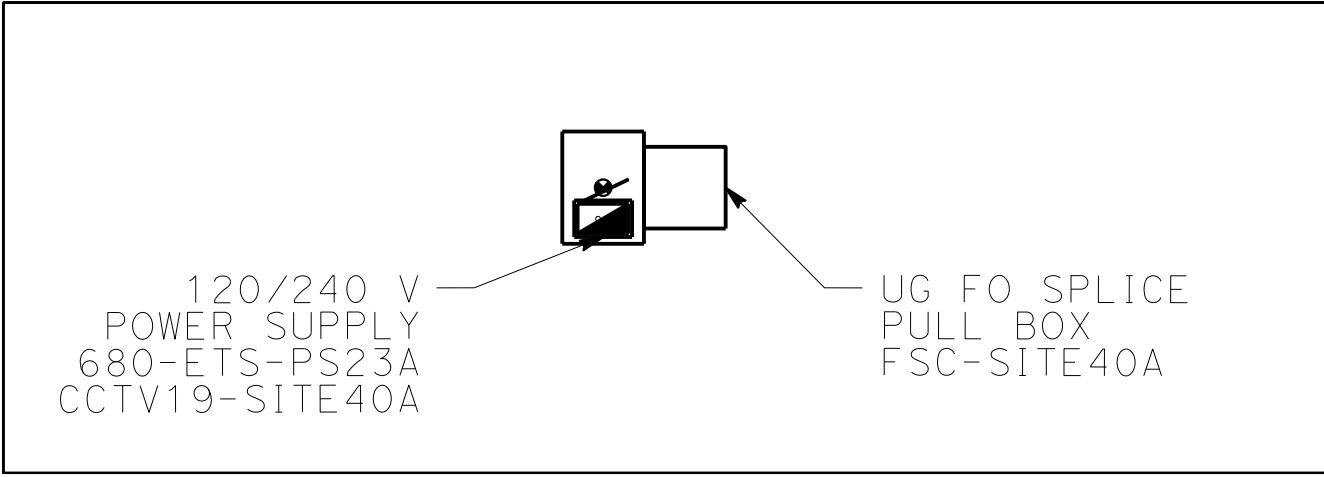
DATE

09-29-21

BY

JV

- NOTE:
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.



SITE 40A-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-38)
NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1252	1710

ARBhoi

REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

Abhijeet
R. Bhoi

No. 68606

Exp. 9-30-23

CIVIL

STATE OF CALIFORNIA

AECOM

4 N. Second Street

Suite 675

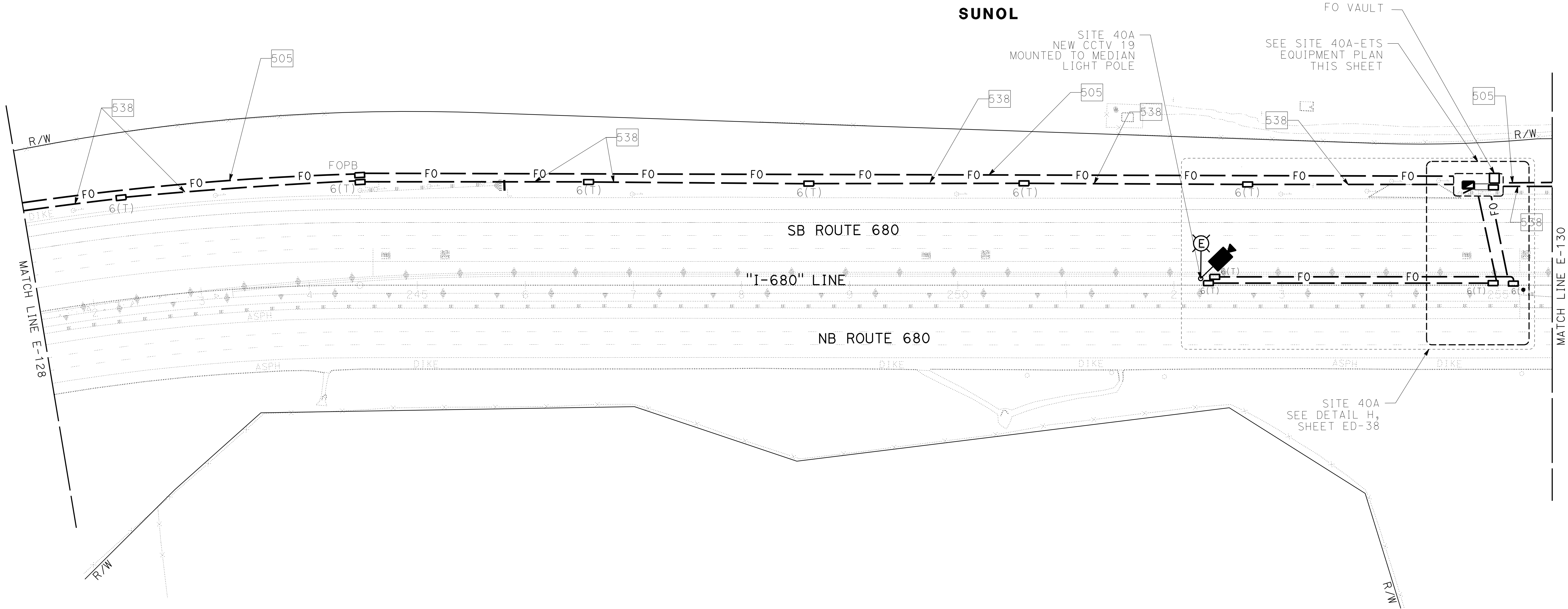
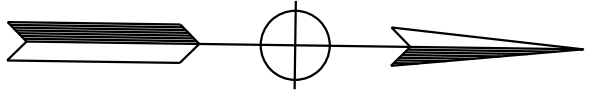
San Jose, CA 95113

ALAMEDA CTC

1111 Broadway

Suite 800

Oakland, CA 94607



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

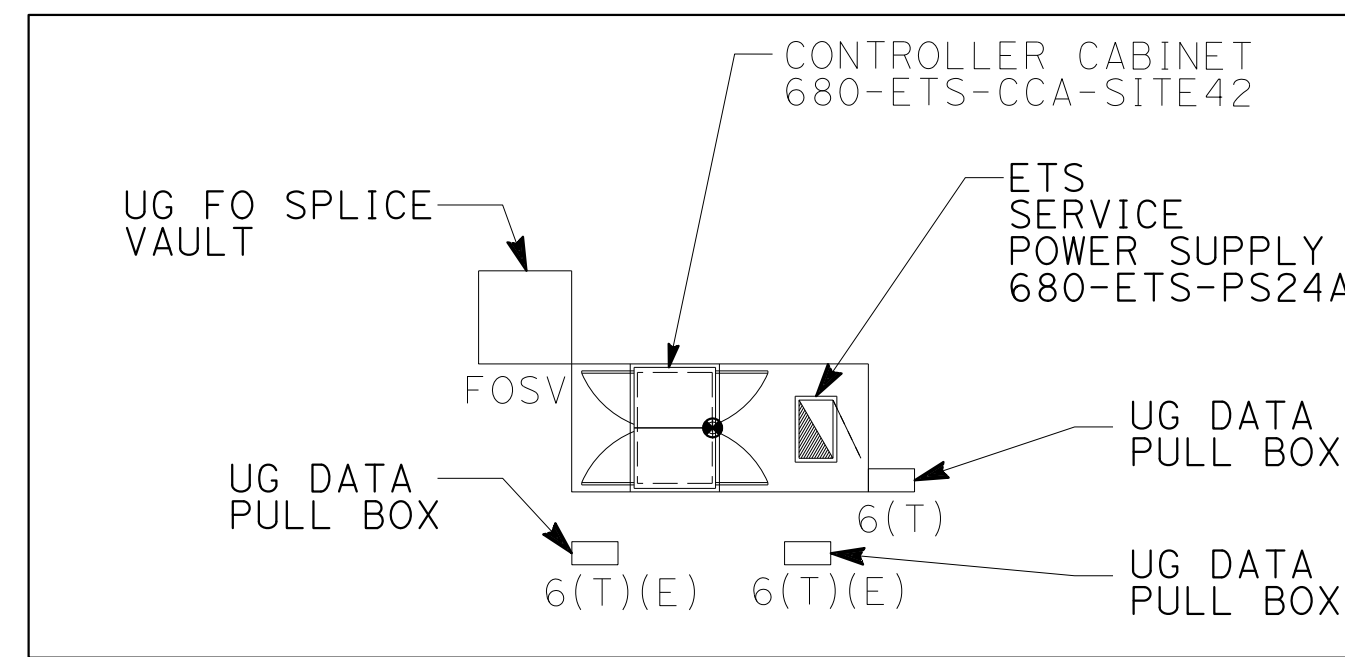
ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-129

APPROVED FOR ELECTRICAL WORK ONLY

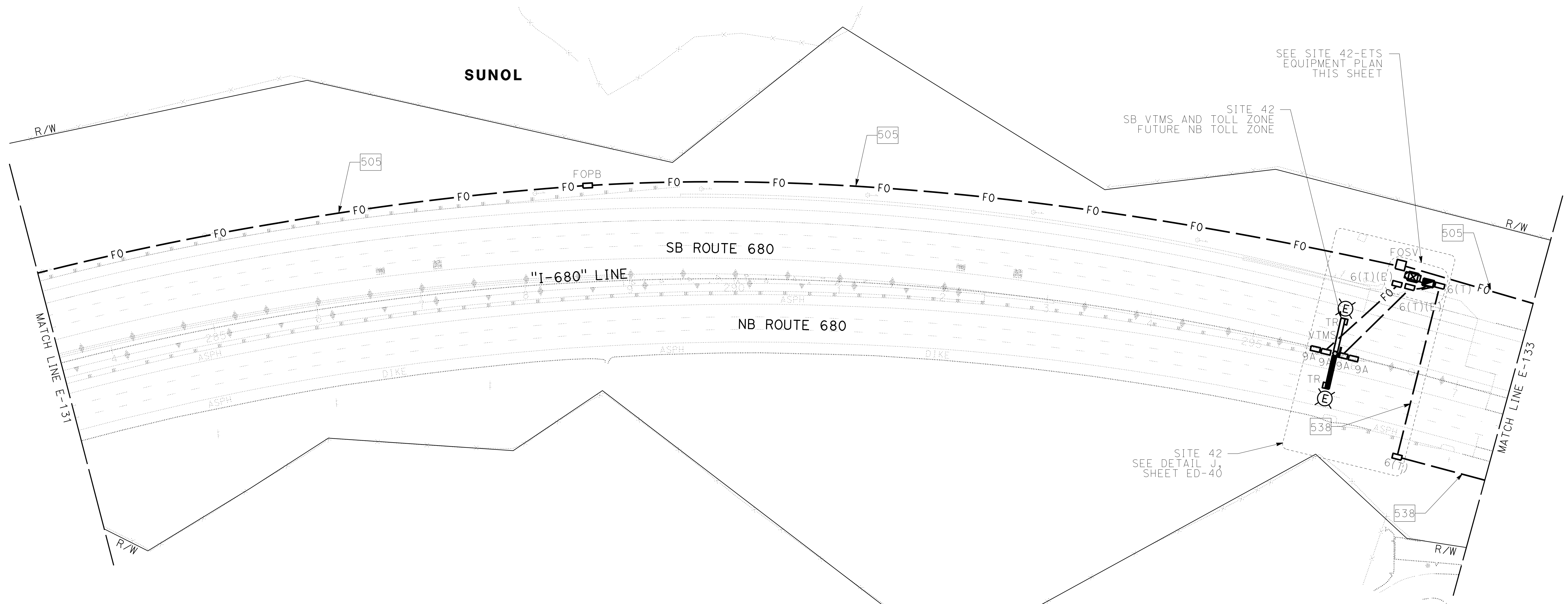
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1255	1710
<i>ARBhoi</i> 9-29-21 REGISTERED CIVIL ENGINEER DATE October 8, 2021 PLANS APPROVAL DATE					
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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS
ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE.
FOR TYPICAL DETAILS, SEE SHEET ED-102.



SITE 42-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-40, NO SCALE)



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-132

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1259	1710

ARBhoi

REGISTERED CIVIL ENGINEER

9-29-21

DATE

October 8, 2021

PLANS APPROVAL DATE

Abhijeet R. Bhoi

No. 68606

Exp. 9-30-23

CIVIL

STATE OF CALIFORNIA

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Suite 675

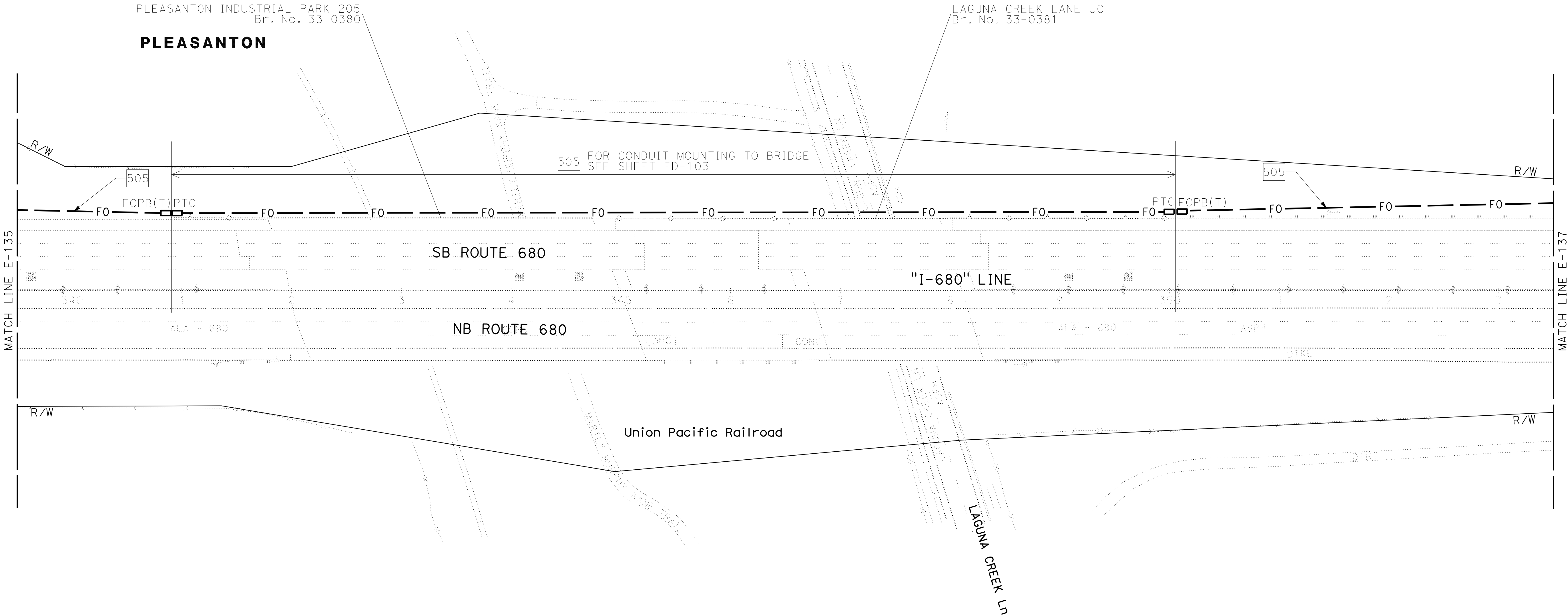
San Jose, CA 95113

ALAMEDA CTC

1111 Broadway

Suite 800

Oakland, CA 94607

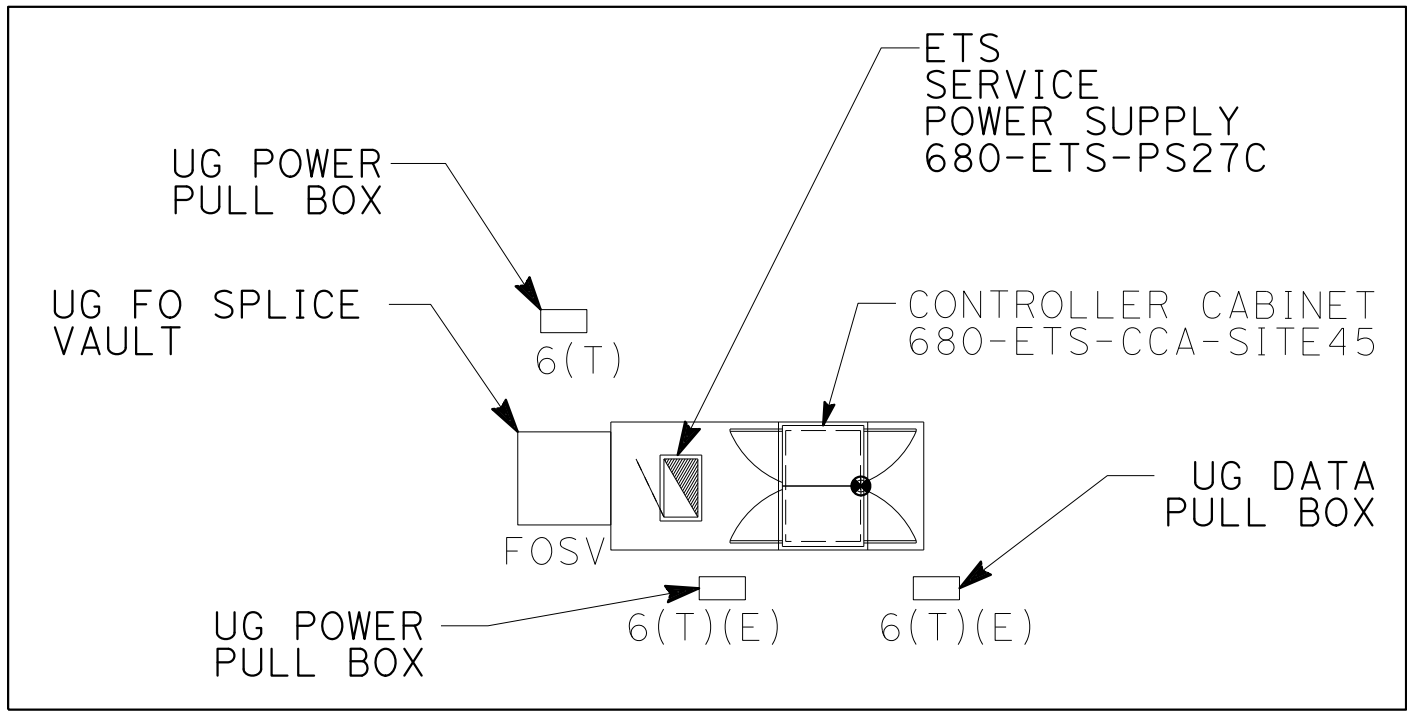


FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-136

APPROVED FOR ELECTRICAL WORK ONLY

- NOTE:
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 - HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.



SITE 45-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-45, NO SCALE)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1263	1710

ARBhoi

REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

Abhijeet R. Bhoi

No. 68606

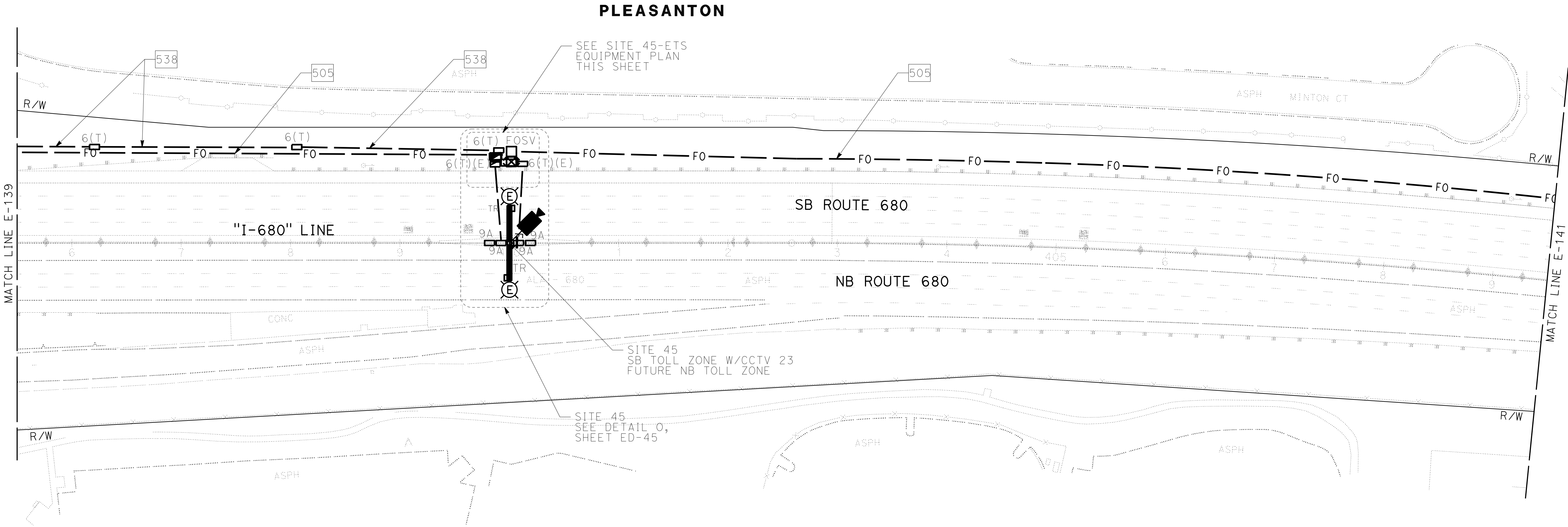
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FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-140

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1264	1710
<i>ARBhoi</i> 9-29-21 REGISTERED CIVIL ENGINEER DATE October 8, 2021 PLANS APPROVAL DATE					
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--

PLEASANTON

ARROYO DE LA LAGUNA
Br. No. 33-0382

SB ROUTE 680

NB ROUTE 680

"I-680" LINE

LAGUNA
CONTROL CHANNEL

FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM

SCALE: 1" = 50'

E-141

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DGN FILE => 0420000235ua141.dgn

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RELATIVE BORDER SCALE
IS IN INCHES

UNIT 0733

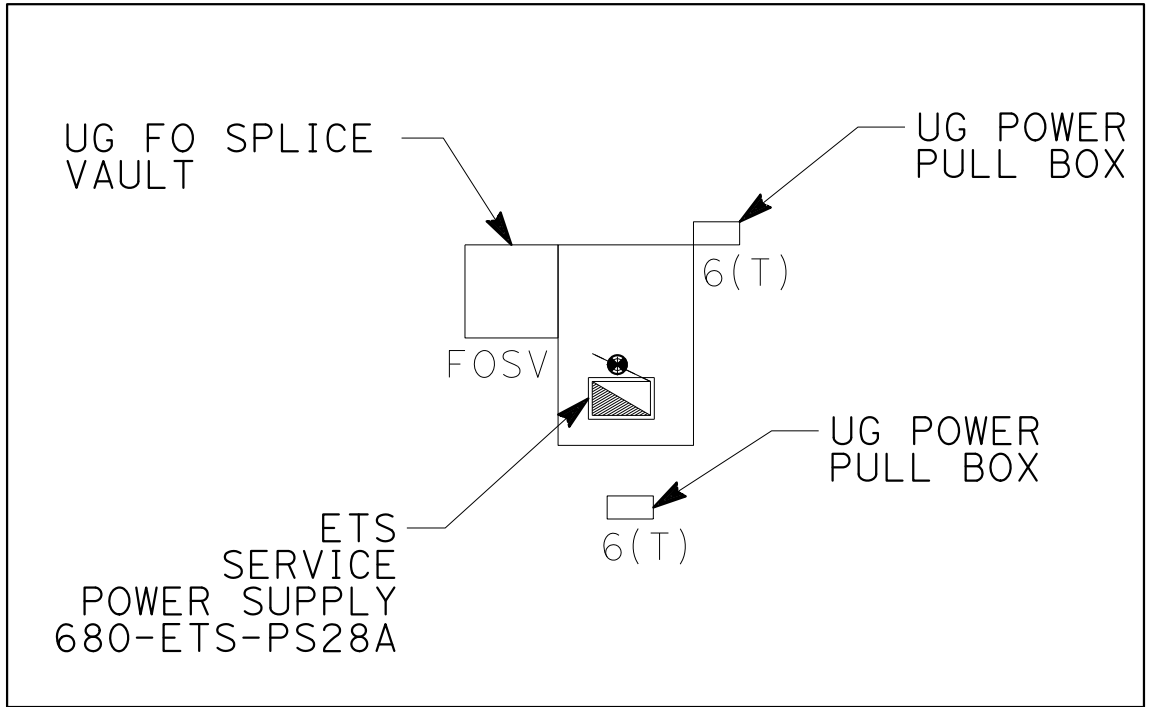
PROJECT NUMBER & PHASE

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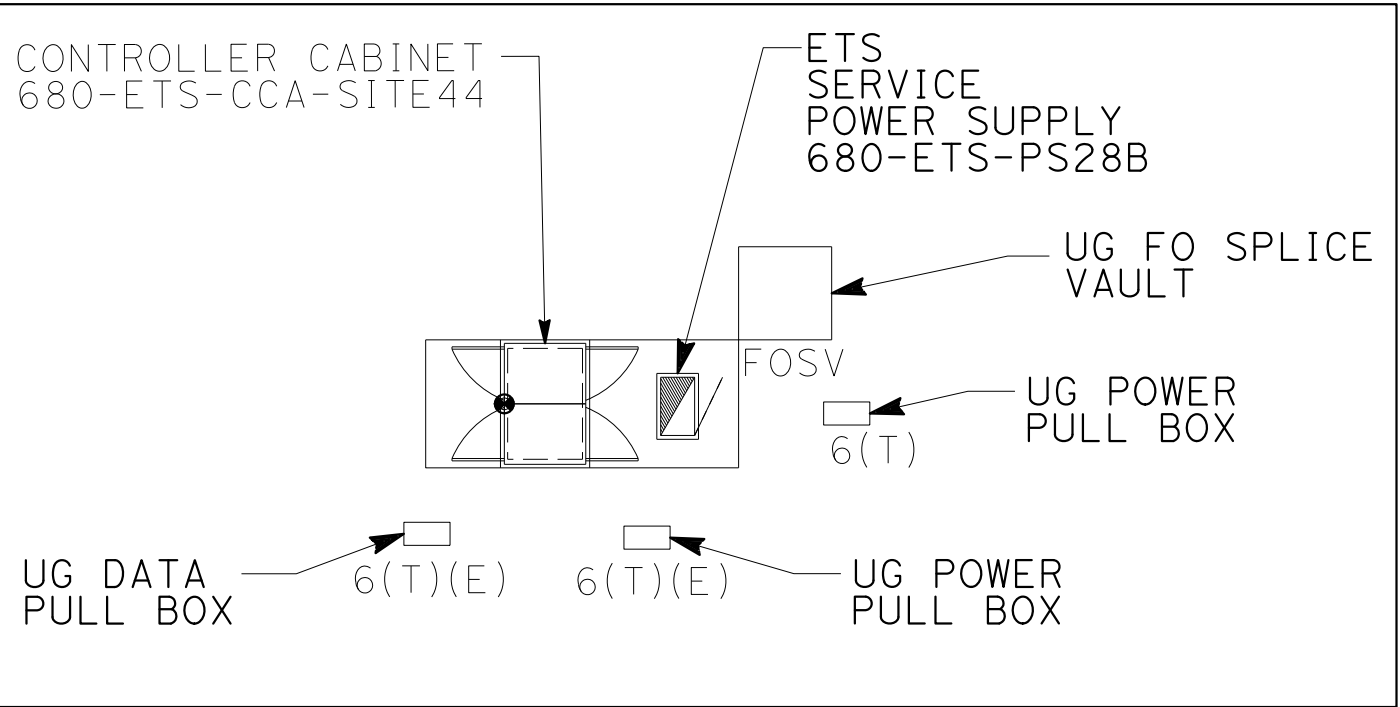
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09-29-21	TIME PLOTTED => 17:07

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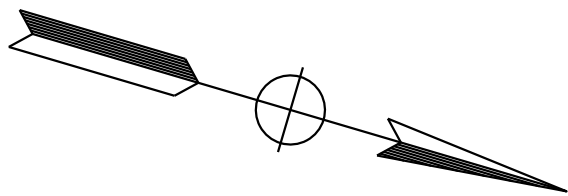
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.



SITE 45A-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-46, NO SCALE)



SITE 46-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-47, NO SCALE)



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1265	1710

ARBhoi

REGISTERED CIVIL ENGINEER

DATE 9-29-21

October 8, 2021

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

Abhijeet R. Bhoi

No. 68606

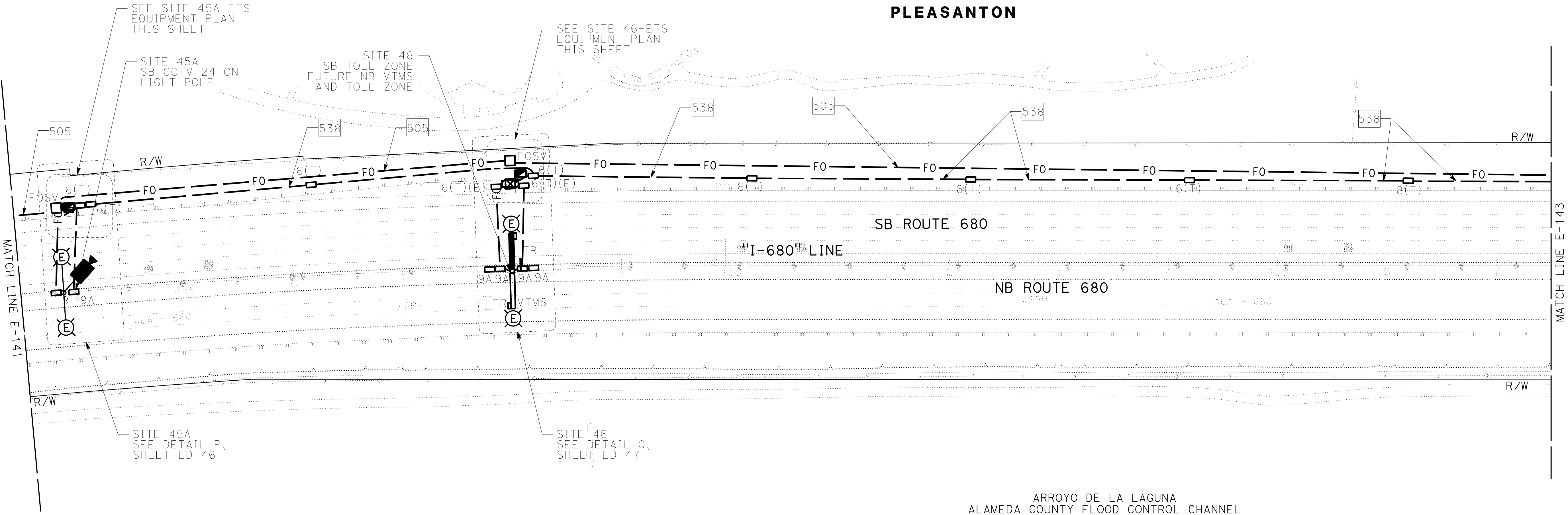
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FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-142

- NOTE:
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1266	1710

ARBhoi

REGISTERED CIVIL ENGINEER

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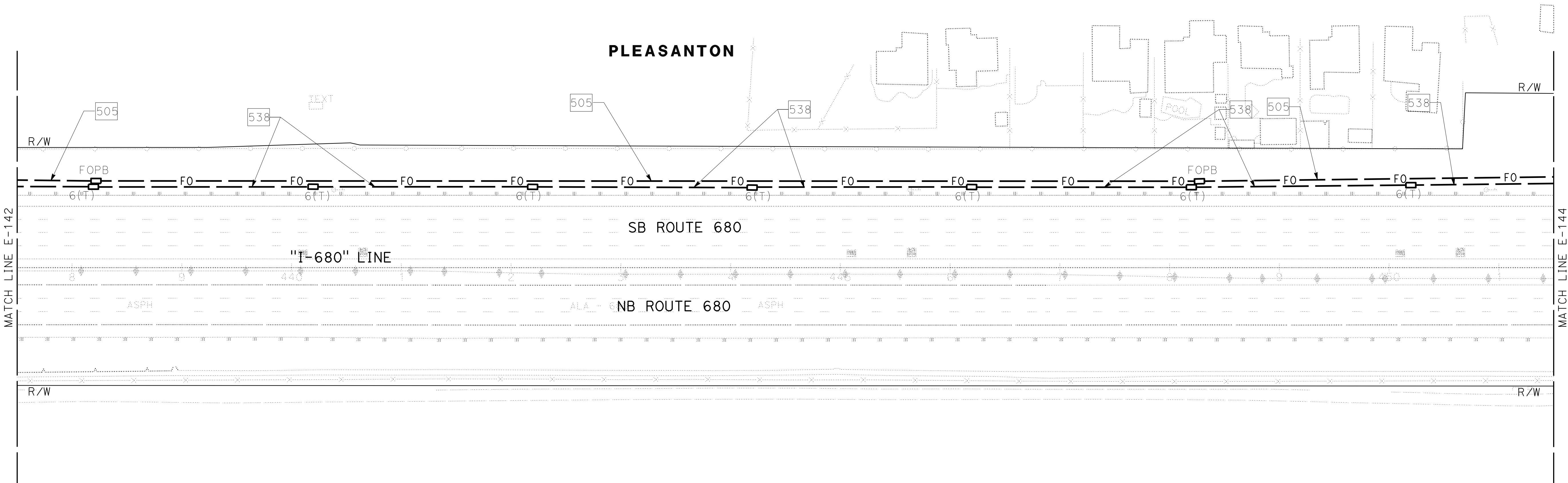
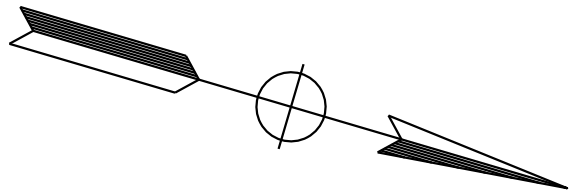
Abhijeet R. Bhoi

No. 68606

Exp. 9-30-23

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STATE OF CALIFORNIA



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-143

APPROVED FOR ELECTRICAL WORK ONLY

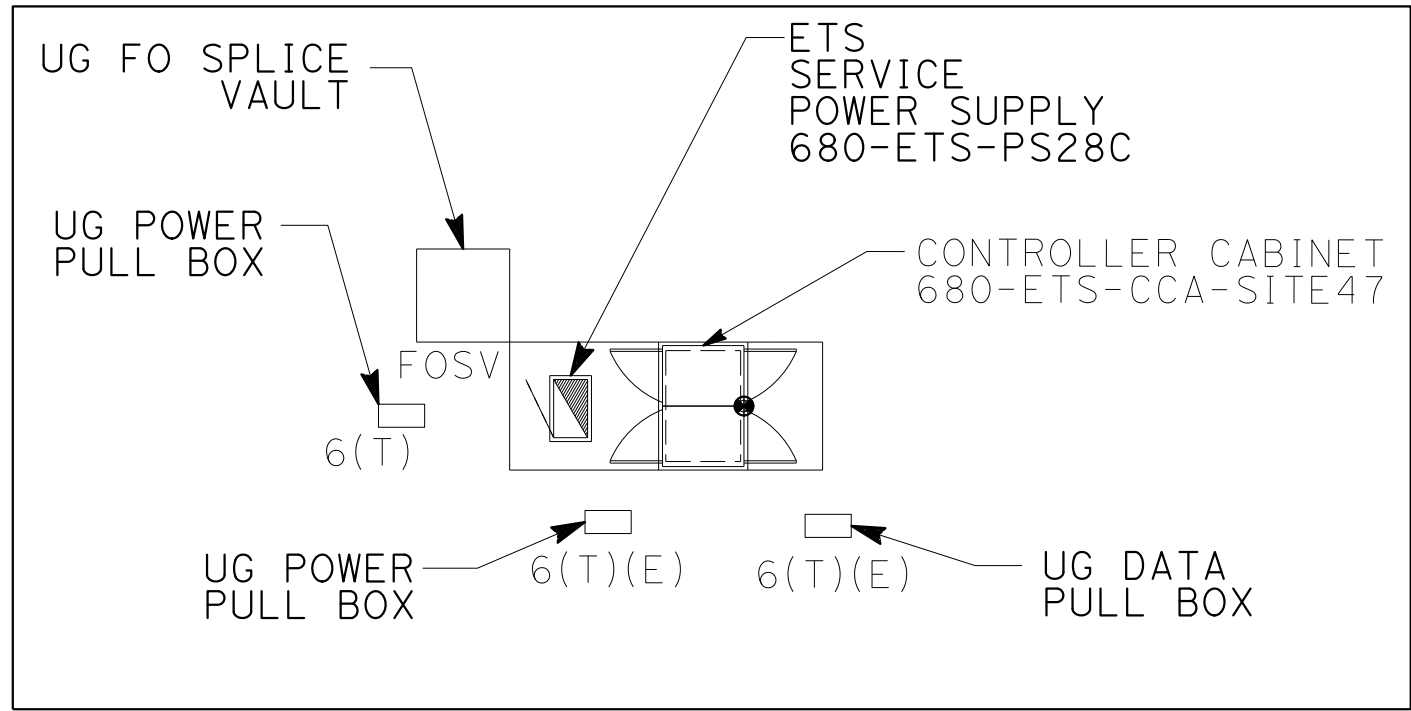
x						
			JV	9-29-21		
			REVISED BY	DATE REVISED		
			JASON VINCENT	SIMA MORADI BAJESTANI		
x			CALCULATED-DESIGNED BY	CHECKED BY		
x			CONSULTANT FUNCTIONAL SUPERVISOR			
				TIMOTHY J. LEE		
x			STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION			

O:\00300\DRAWING\FINAL_P58E\0420000235u0144.dgn

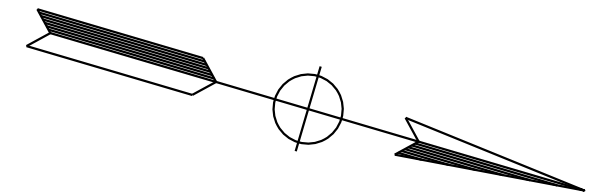


NOTE:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.



SITE 47-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-48, NO SCALE)



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1267	1710
REGISTERED CIVIL ENGINEER			9-29-21	DATE	
October 8, 2021			PLANS APPROVAL DATE		
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ARBhoi

9-29-21

REGISTERED CIVIL ENGINEER

DATE

October 8, 2021

PLANS APPROVAL DATE

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REGISTERED PROFESSIONAL ENGINEER

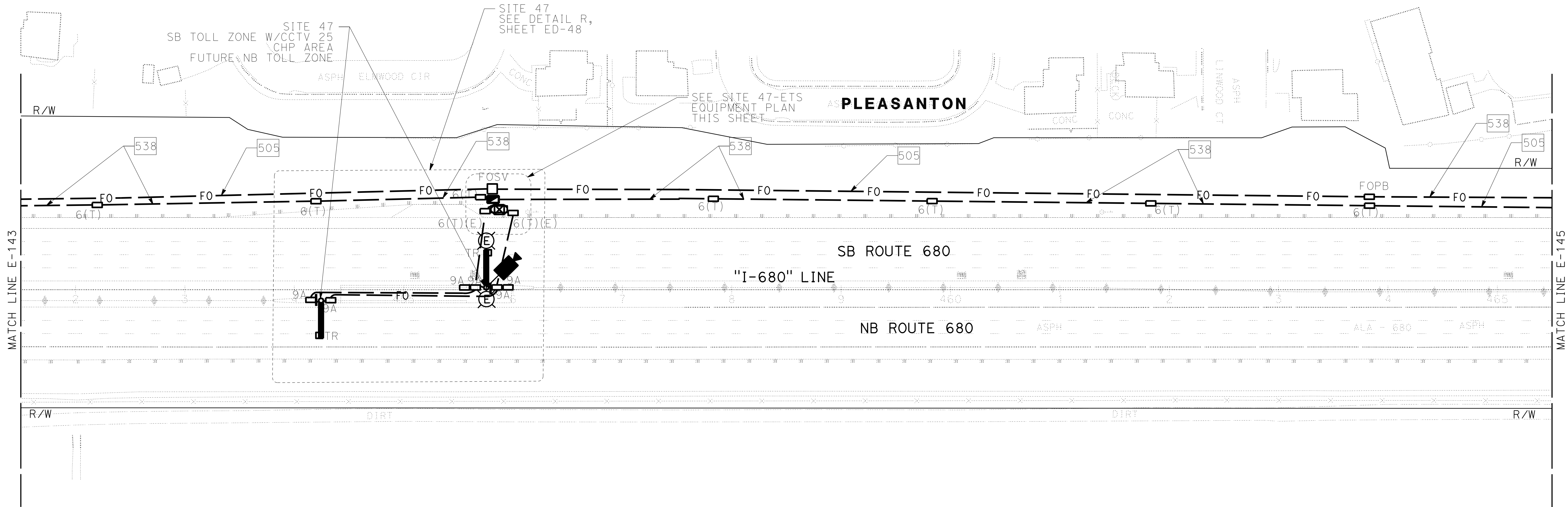
Abhijeet R. Bhoi

No. 68606

Exp. 9-30-23

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STATE OF CALIFORNIA



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

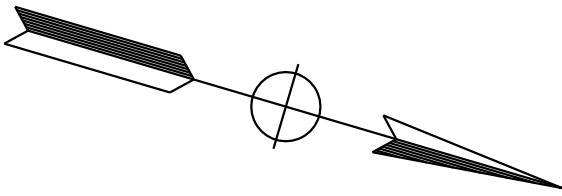
APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM

SCALE: 1" = 50'

E-144

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1269	1710

ARBhoi

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DATE

9-29-21

October 8, 2021

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REGISTERED PROFESSIONAL ENGINEER

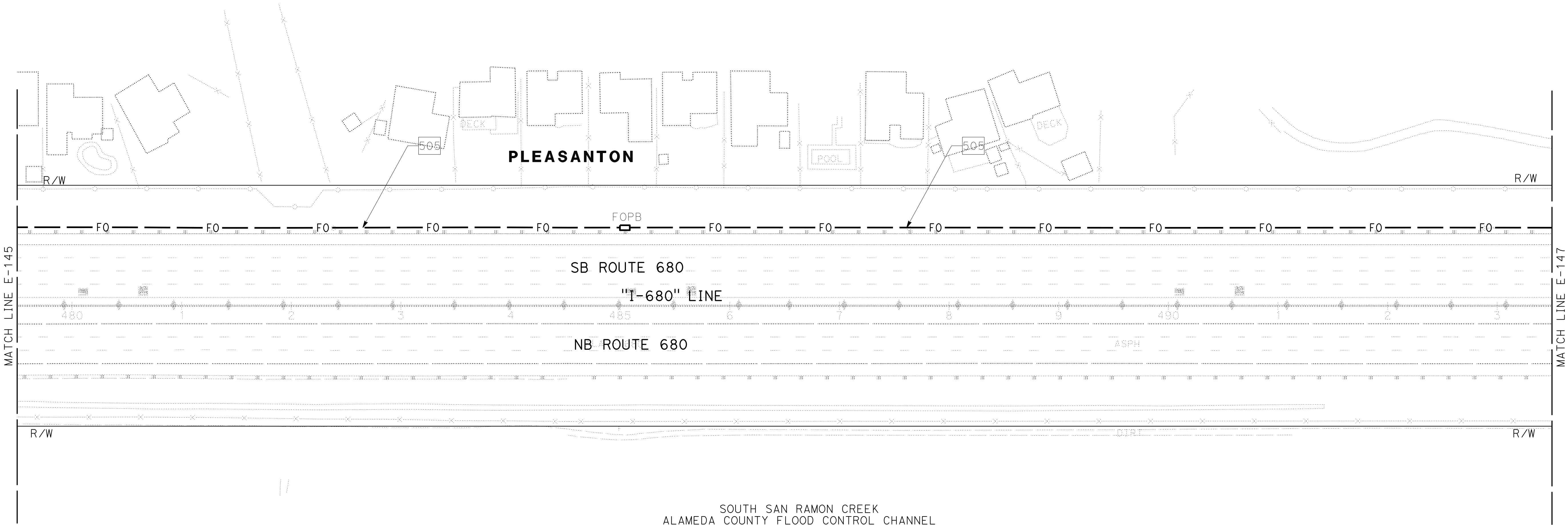
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No. 68606

Exp. 9-30-23

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FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-146

- NOTE:
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1271	1710

ARBhoi

REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

PLANS APPROVAL DATE

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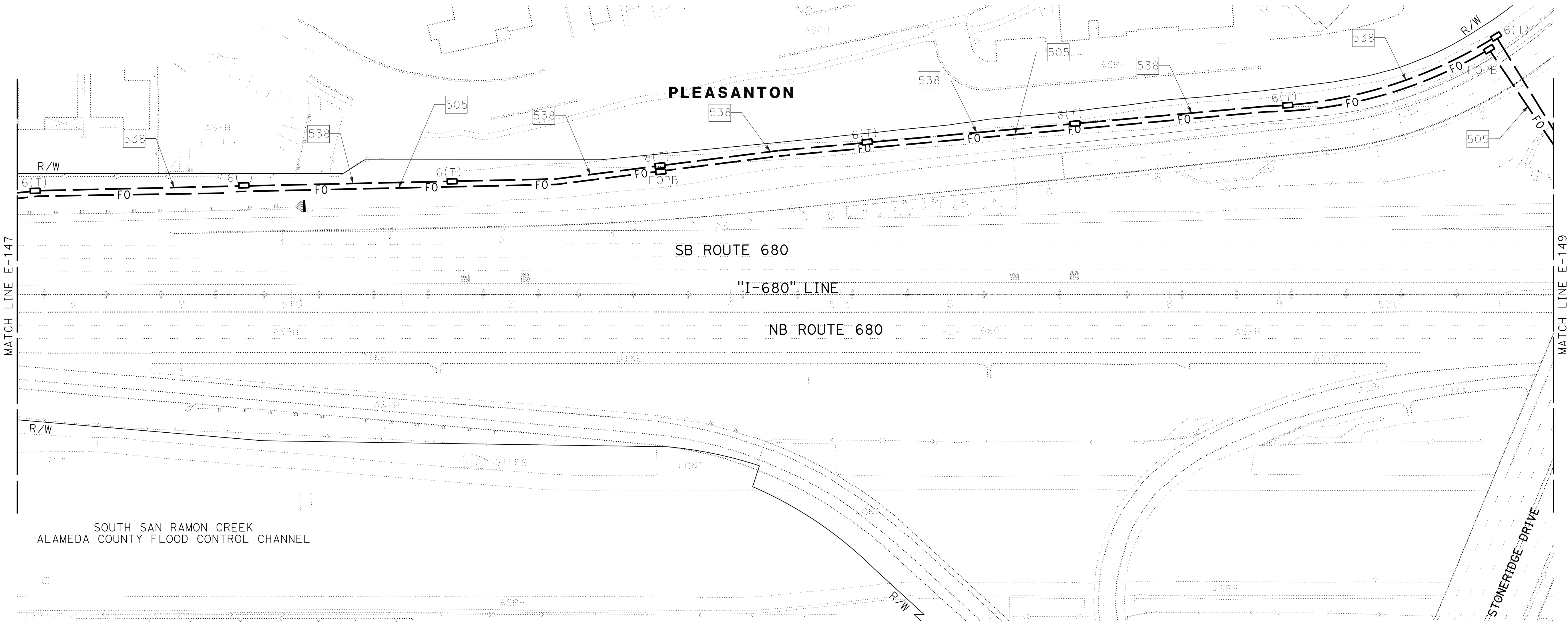
Abhijeet R. Bhoi

No. 68606

Exp. 9-30-23

CIVIL

STATE OF CALIFORNIA



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM

SCALE: 1" = 50'

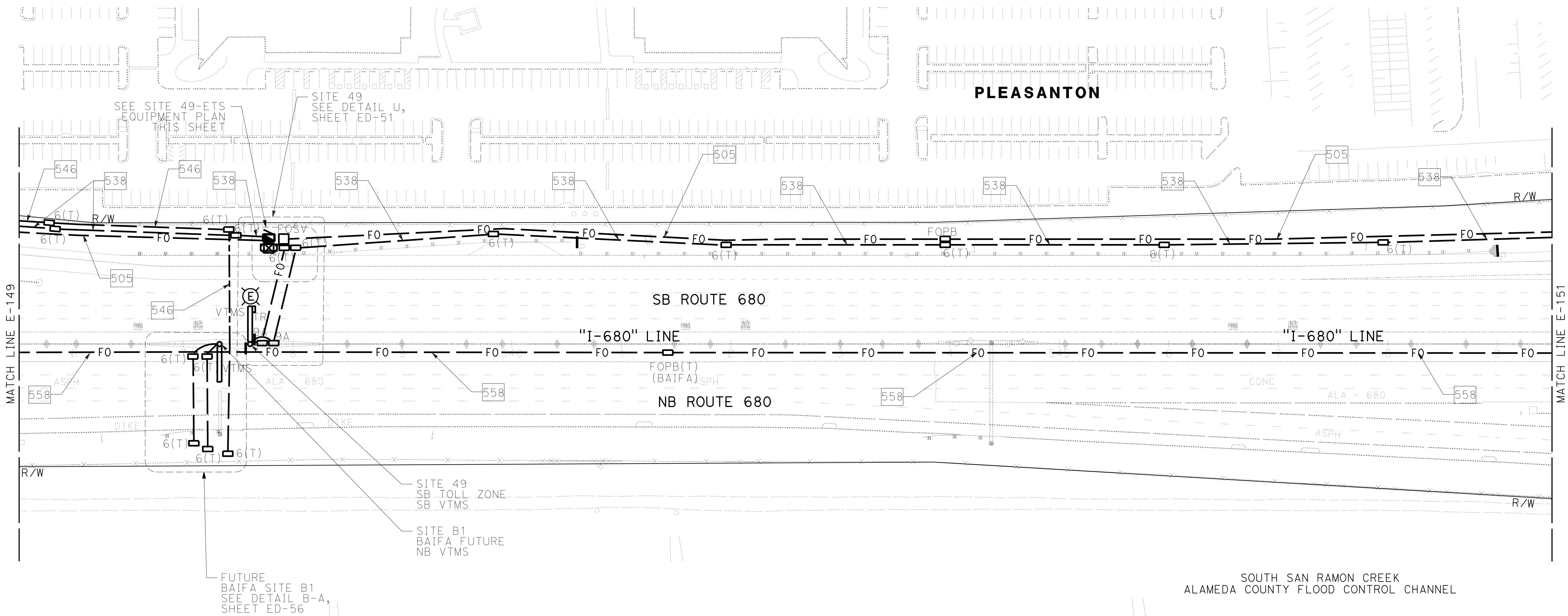
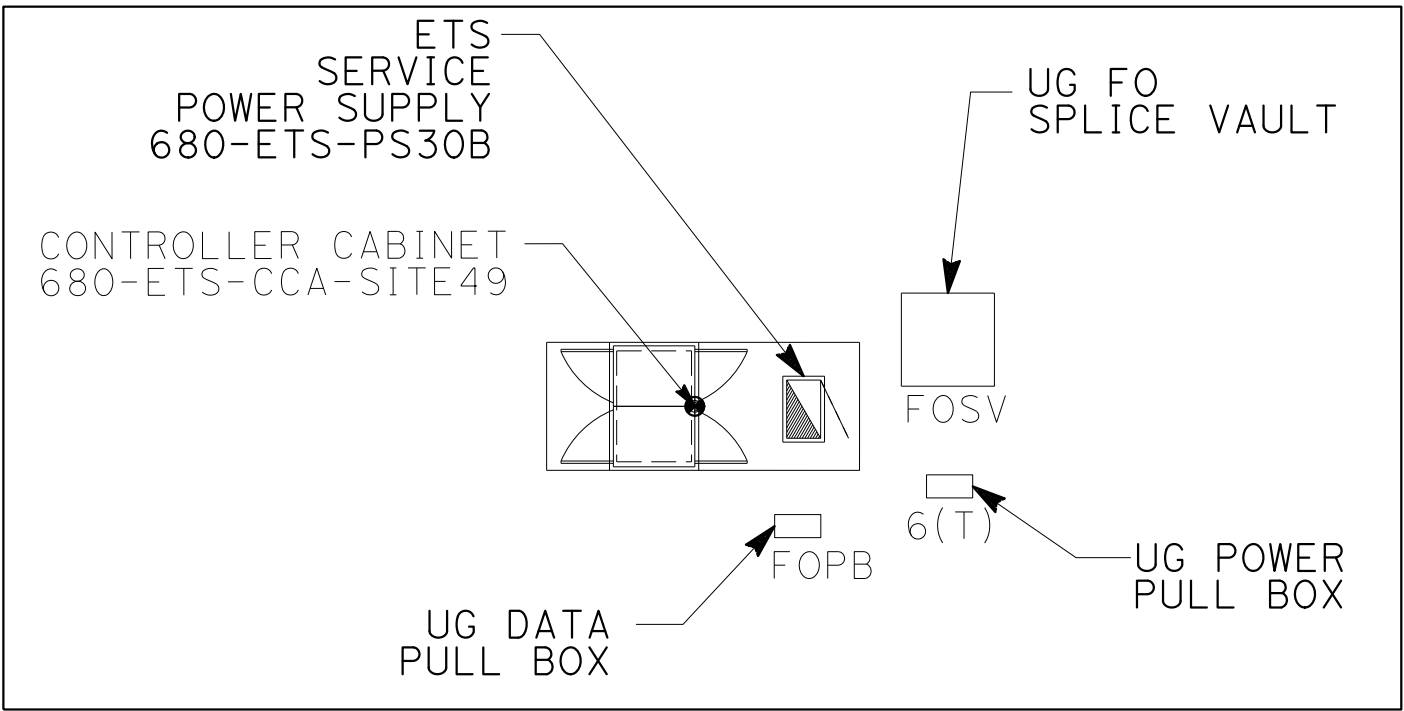
E-148

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1272	1710
<i>ARBhoi</i> 9-29-21 REGISTERED CIVIL ENGINEER DATE October 8, 2021 PLANS APPROVAL DATE					
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1273	1710
<i>ARBhoi</i> 9-29-21 REGISTERED CIVIL ENGINEER DATE October 8, 2021 PLANS APPROVAL DATE					
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NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

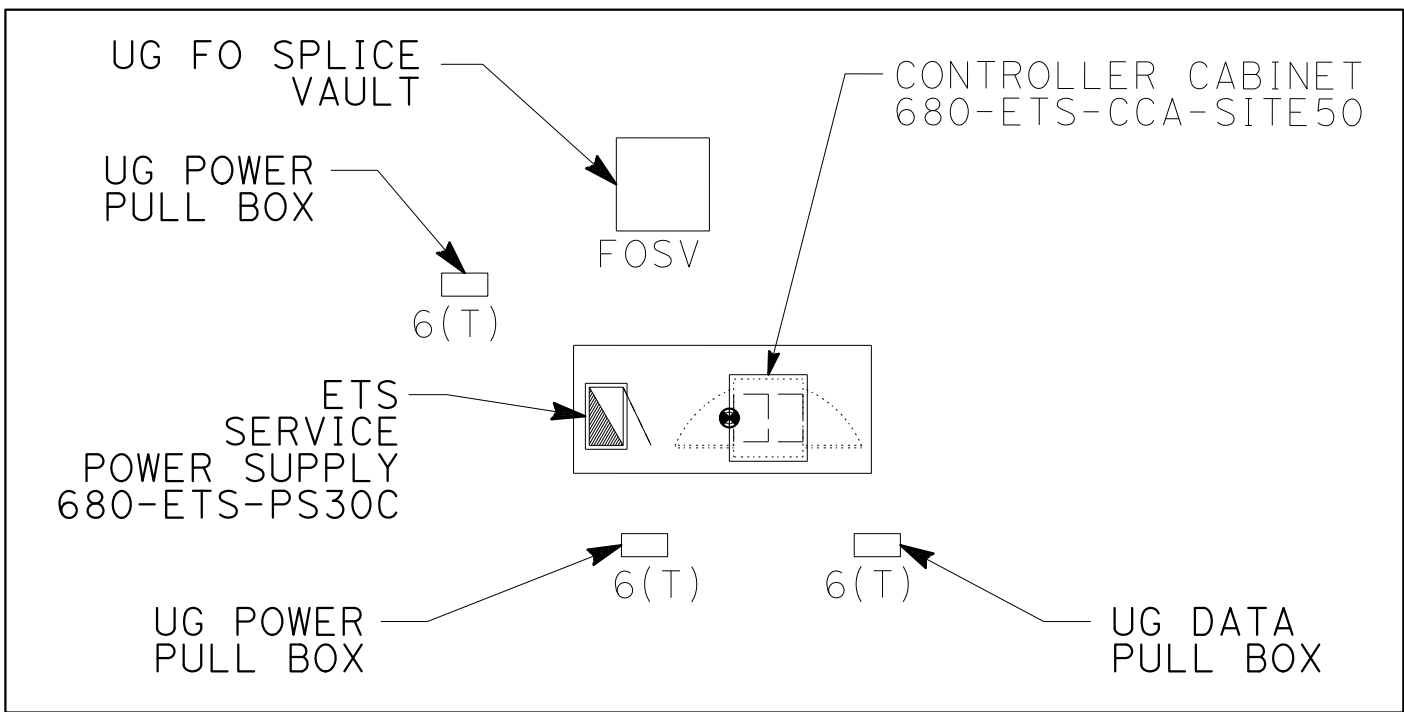
ELECTRONIC TOLL SYSTEM

SCALE: 1" = 50'

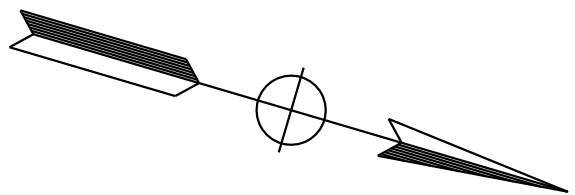
E - 150

NOTE:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.



SITE 50-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-52, NO SCALE)



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1274	1710

ARBhoi

REGISTERED CIVIL ENGINEER

DATE 9-29-21

October 8, 2021

PLANS APPROVAL DATE

Abhijeet R. Bhoi

No. 68606

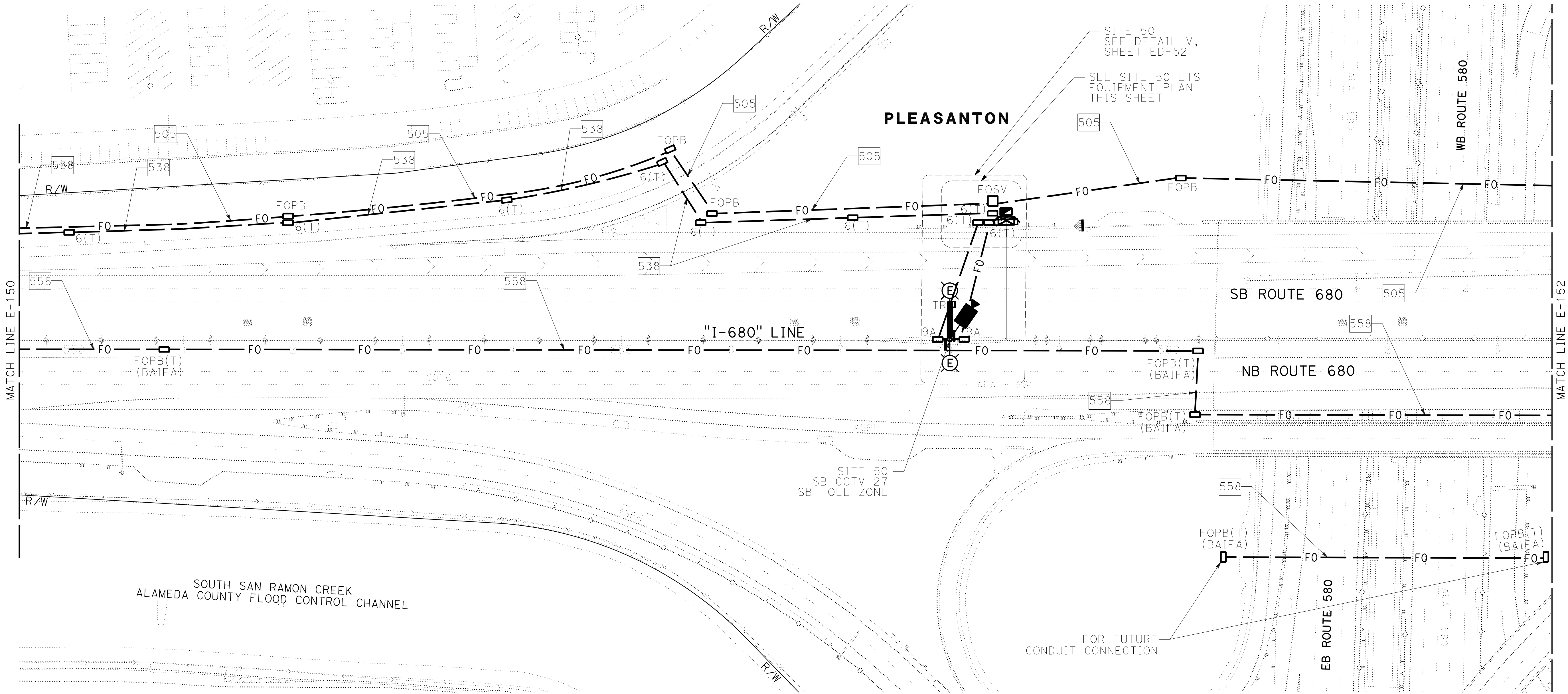
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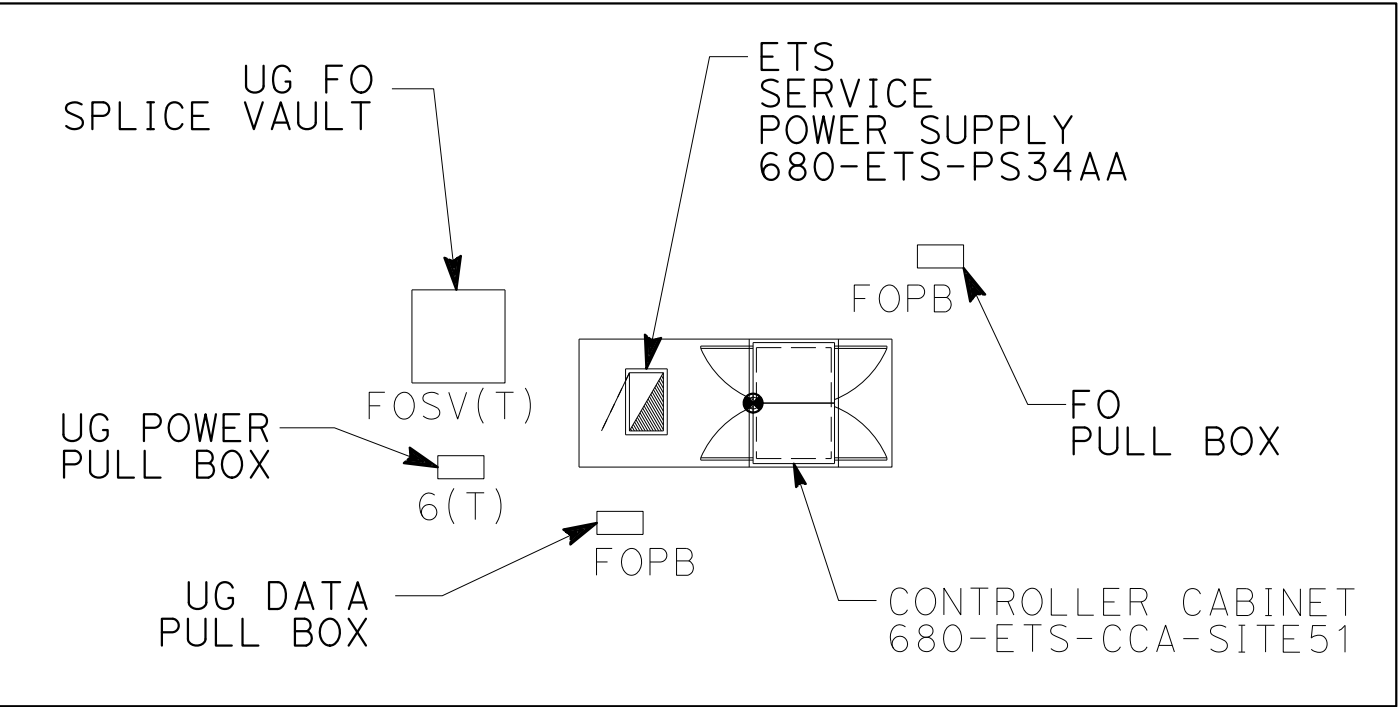
FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

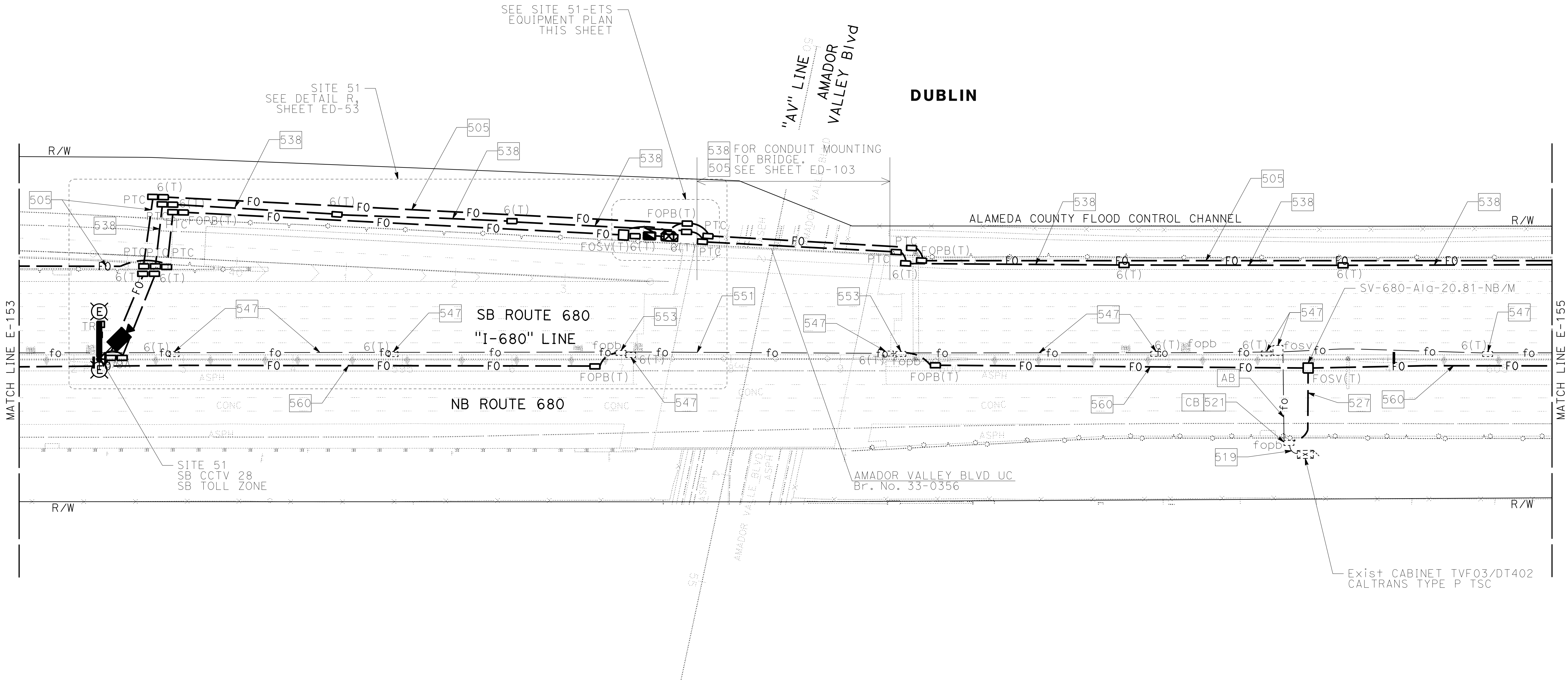
ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'

E-151

- NOTE:
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 - HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.
 - ACCESS SITE 51 ETS CABINET FROM AMADOR VALLEY Blvd.



SITE 51-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-53, NO SCALE)



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'

E-154

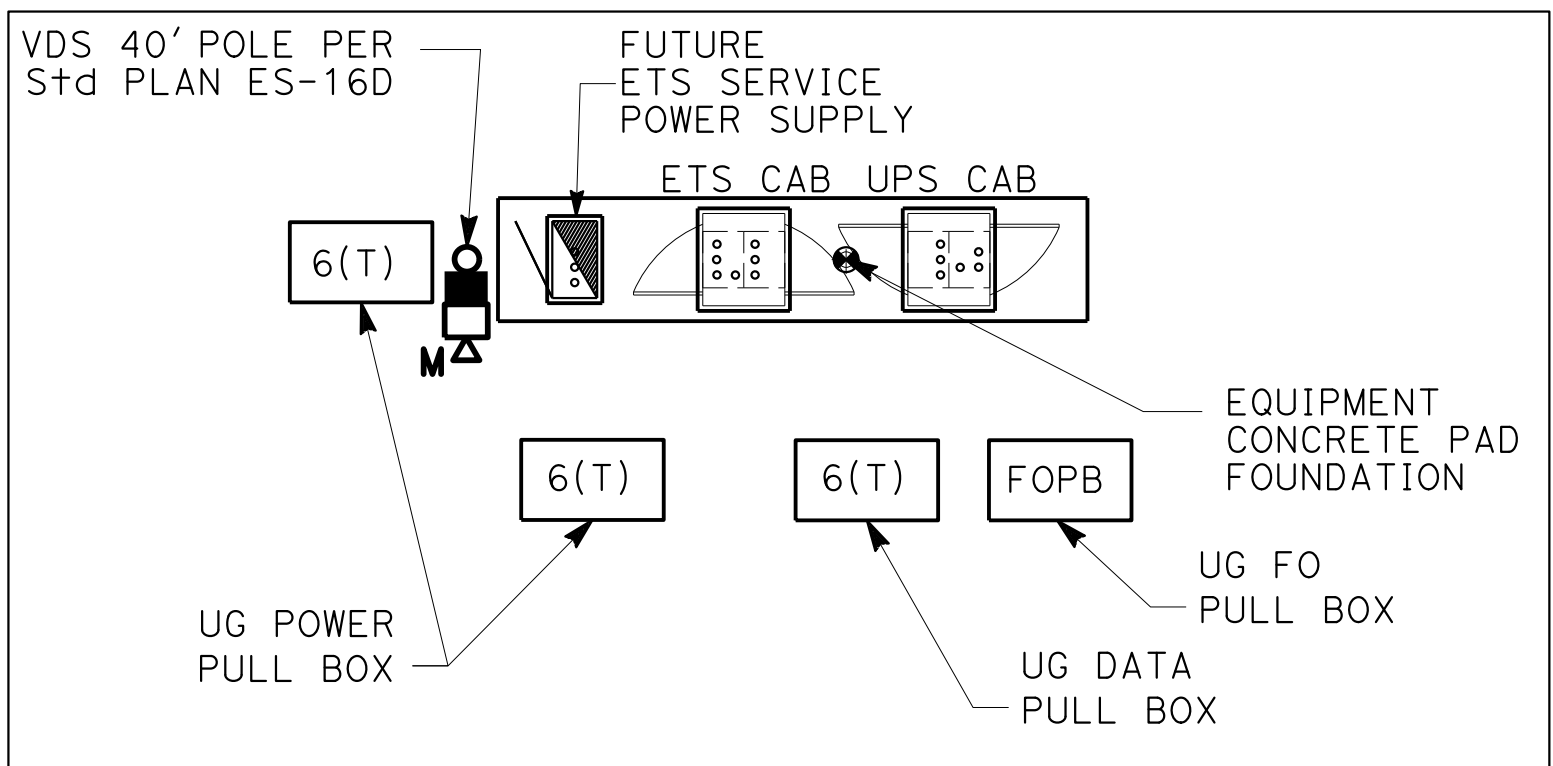
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1277	1710
ARBhoi			9-29-21	DATE	
REGISTERED CIVIL ENGINEER			October 8, 2021	PLANS APPROVAL DATE	
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REGISTERED PROFESSIONAL ENGINEER
Abhijeet R. Bhoi
No. 68606
Exp. 9-30-23
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STATE OF CALIFORNIA

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NOTE:

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- HORIZONTAL DIRECTIONAL DRILLING FOR CONDUITS ACROSS THE ROAD. CONDUIT SHALL BE TYPE 3 HDPE. FOR TYPICAL DETAILS, SEE SHEET ED-102.



SITE B11-ETS EQUIPMENT PLAN
(FOR CONDUIT PLAN, SEE SHEET ED-62, NO SCALE)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1281	1710
REGISTERED CIVIL ENGINEER			9-29-21	DATE	
October 8, 2021			PLANS APPROVAL DATE		
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9-29-21

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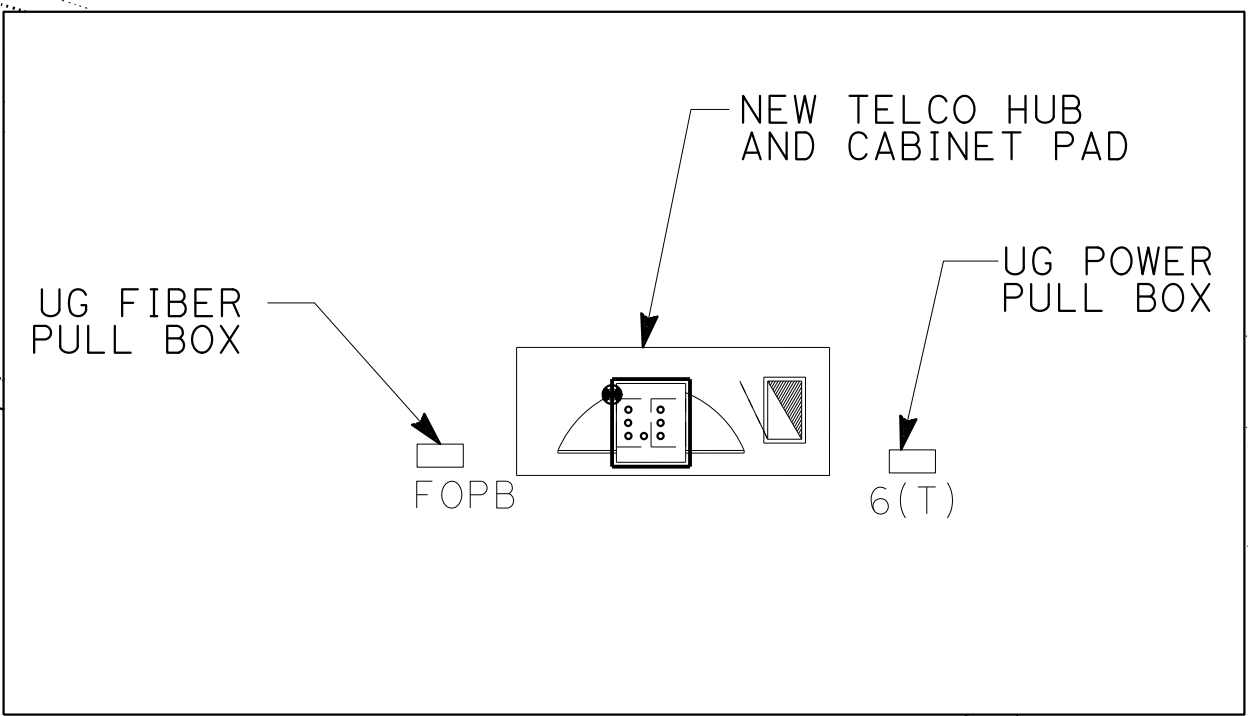
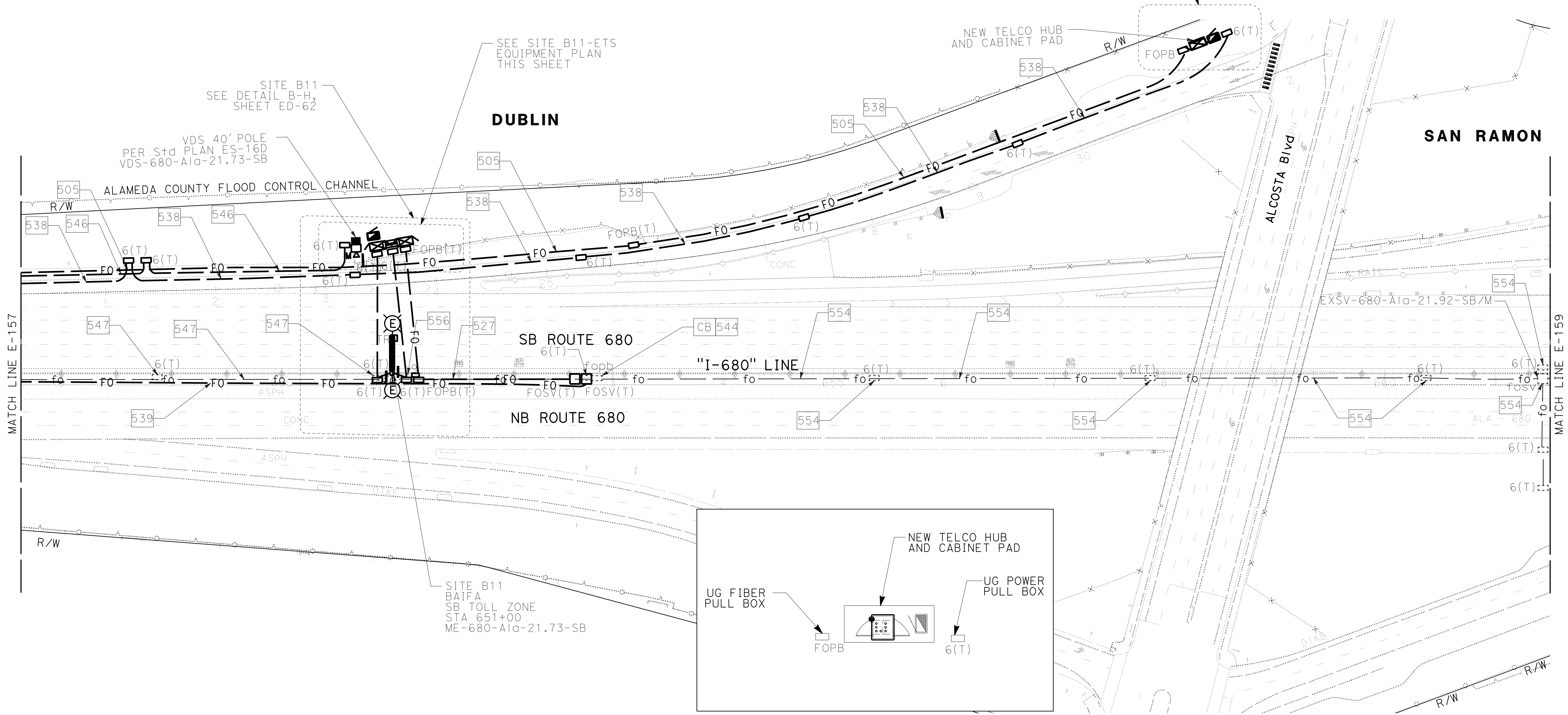
Abhijeet R. Bhoi

No. 68606

Exp. 9-30-23

CIVIL

STATE OF CALIFORNIA



TELCO HUB-EQUIPMENT PLAN

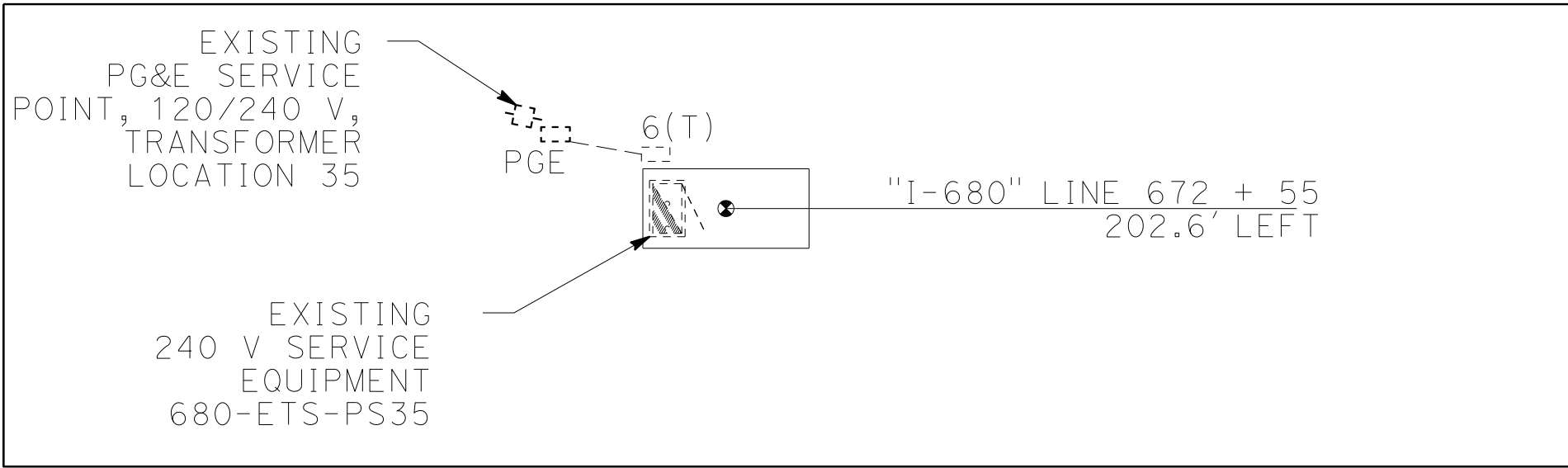
FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

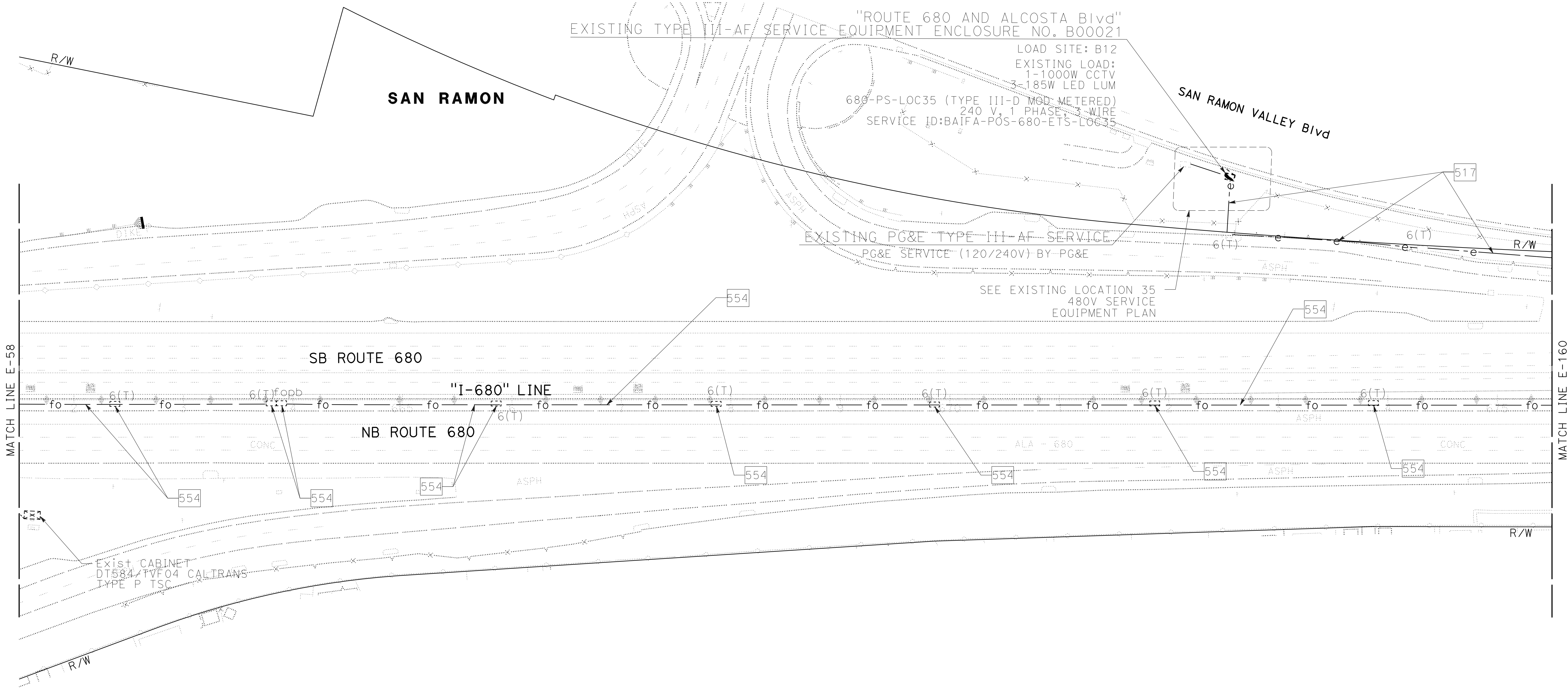
ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'

E-158

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



EXISTING LOCATION 35-240 V SERVICE EQUIPMENT PLAN
(NO SCALE)



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'

E-159

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1282	1710

ARBhoi

REGISTERED CIVIL ENGINEER

DATE

9-29-21

October 8, 2021

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

Abhijeet R. Bhoi

No. 68606

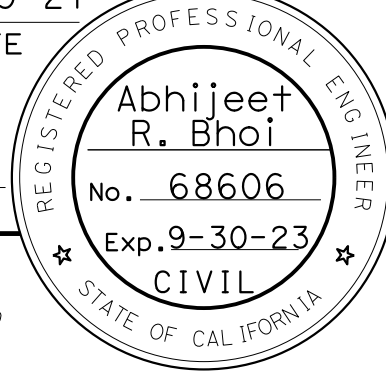
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/0.9	1283	1710
<i>ARBhoi</i> 9-29-21 REGISTERED CIVIL ENGINEER DATE October 8, 2021 PLANS APPROVAL DATE					
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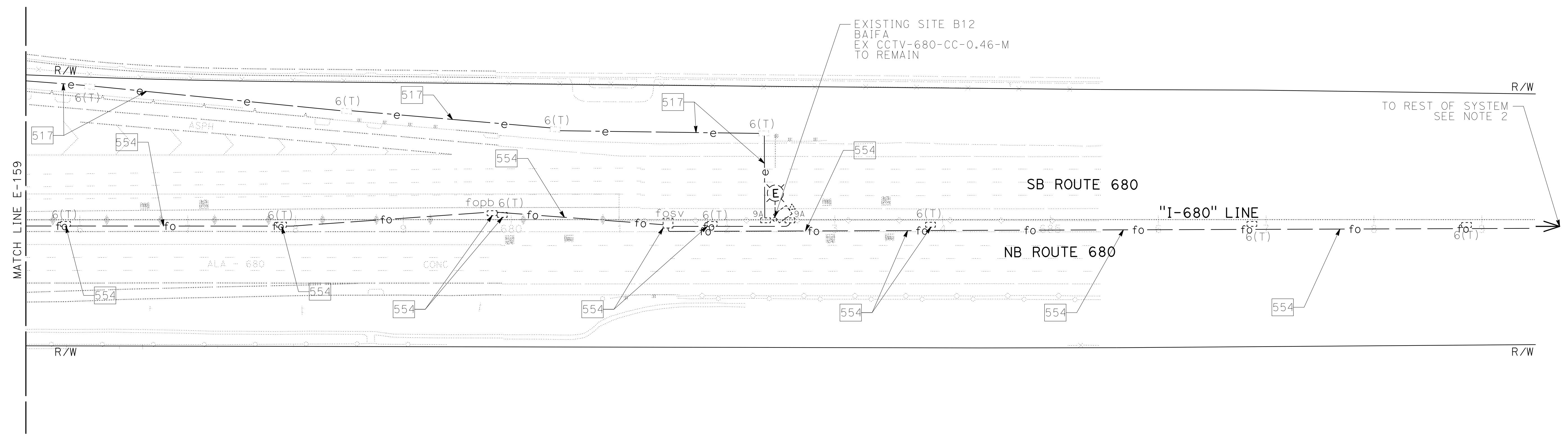
ARBhoi
 9-29-21
 REGISTERED CIVIL ENGINEER DATE
 October 8, 2021
 PLANS APPROVAL DATE
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NOTE:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. EXISTING 144 STR FIBER OPTIC CABLE CONTINUES TO BOLLINGER CANYON SPLICE CONNECTION.

SAN RAMON



FOR NOTES, ABBREVIATIONS AND
LEGEND, SEE SHEETS E-116 & E-117

APPROVED FOR ELECTRICAL WORK ONLY

ELECTRONIC TOLL SYSTEM
SCALE: 1" = 50'
E-160

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x

x

x

x

x

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-DESIGNED BY

MENG YANG

REVISED BY

MY

TIMOTHY J. LEE

DAN K. YAU

DATE REVISED

9-29-21

LEGEND: (TEMPORARY)

403

Exist 2-3"C, 2#6 (120 V RM), 3#14 (120 V FB), 9#14 (RM SIGNAL), 1#8(N), 14 DLC.

RC

6 DLC. ADD 6 DLC.

404

Exist 3"C, 6#14 (RM SIGNAL), 1#8(N), 10 DLC.

RC

6 DLC. ADD 6 DLC.

405

Exist 2"C, 2#4 (120 V TMS/CCTV), 6 DLC.

406

Exist 2-3"C, 2#4 (120 V RM), 12#14 (RM SIGNAL), 1#8(N), 24 DLC.

407

Exist 2-3"C, 2#6 (120 V CCTV/TMS), 1 HCC, 12 DLC.

RC

8 DLC. ADD 8 DLC.

408

Exist 3"C, 12 DLC.

RC

8 DLC. ADD 8 DLC.

409

Exist 2-3"C, 2#2 (120 V RM), 3#10 (120 V FB), 9#14 (RM SIGNAL), 1#8(N), 21 DLC.

410

Exist 3"C, 2#2 (120 V RM), 2#4 (120 V CCTV), 9#14 (RM SIGNAL), 1#8(N), 19 DLC.

411

Exist 2-3"C, 2#6 (120 V RM), 2#10 (120 V FB), 6#14 (RM SIGNAL), 1#8(N), 10 DLC.

RC

6 DLC. ADD 6 DLC.

412

Exist 3"C, 2#6 (120 V RM), 6#14 (RM SIGNAL), 1 #8(N), 9 DLC.

RC

6 DLC. ADD 6 DLC.

413

6#14 (RM SIGNAL), 1#8(N), 6 DLC.

414

Exist 2"C, 2 DLC.

RC

2 DLC. ADD 2 DLC.

415

Exist 3"C, 2#4 (120 V RM).
Exist 3"C, 4 DLC.
Exist 3'C, PT.

416

Exist 3"C, 2#4 (120 V RM), 4 DLC.

417

Exist 6#14 (RM SIGNAL), 1#8(N), 6 DLC.

418

Exist 2-3"C, 2#6 (120 V RM), 2#10 (120 V FB), 6#14 (RM SIGNAL), 1#8(N), 10 DLC. ADD 2 DLC.

419

Exist 3"C, 2#6 (120 V RM), 6#14 (RM SIGNAL), 1 #8(N), 9 DLC. ADD 2 DLC.

420

Exist 6#14 (RM SIGNAL), 1#8(N), 6 DLC. ADD 2 DLC.

421

Exist 2-3"C, 2#4 (120 V RM), 2#10 (120 V METER ON), 9#14 (RM SIGNAL), 16 DLC. ADD 2 DLC.

422

Exist 3"C, 9#14 (RM SIGNAL), 1#8(N), 12 DLC. ADD 2 DLC.

423

Exist 2"C, 2#4 (120 V TMS/CCTV), 6#14 (RM SIGNAL), 1#8(N), 8 DLC. ADD 2 DLC.

424

Exist 2"C, 2#4 (120 V TMS/CCTV), 6 DLC. ADD 2 DLC.

425

2"C, 4#4 (120 V RM), 2#4 (120 V TMS/CCTV), 2#6 (120 V HAR).

426

Exist 3"C, 14 DLC.

RC

14 DLC. ADD 10 DLC.

427

Exist 3"C, 24#14 (RM SIGNAL), 1#8(N), 14 DLC. ADD 2 DLC.

428

Exist 2-3"C, 2#4 (120 V RM), 2#10 (120 V FB), 24#14 (RM SIGNAL), 1 TC, 19 DLC. ADD 2 DLC.

429

Exist 3"C, 12#14 (RM SIGNAL), 1#8(N), 10 DLC. ADD 2 DLC.

430

Exist 2"C, 8 DLC. ADD 2 DLC.

431

Exist 2-3"C, 2#6 (120 V RM), 2#10 (120 V FB), 6#14 (RM SIGNAL), 1#8(N), 12 DLC.

432

Exist 3"C, 2#6 (120 V RM), 6#14 (RM SIGNAL), 1#8(N), 11 DLC.

433

Exist 6#14 (RM SIGNAL), 1#8(N), 8 DLC.

434

PROTECT Exist EQUIPMENT IN PLACE DURING CONSTRUCTION.

435

RC

 Lum AND LMA ON Exist WOOD POLE.

436

DETECTORS MUST BE CENTERED IN EACH LANE AND MUST BE INSTALLED 14’ APART (20’ CENER TO CENTER). SEE LOOP DETECTOR LAYOUT DETAILS ON SHEET ED-6.

437

Exist 2-3"C, 2#6 (120 V TMS), 12 DLC.

438

Exist 3"C, 12 DLC.

439

Exist 2-3"C, 2#6 (120 V TMS/CCTV), 1 HCC, 12 DLC.

440

Exist 3"C, 2#4 (120 V TMS).

441

Exist 2-3"C, 2#6 (120 V TMS), 12 DLC.

RC

8 DLC. ADD 8 DLC.

442

Exist 2-3"C, 2#4 (120 V TMS), 12 DLC.

RC

6 DLC. ADD 6 DLC.

443

Exist 2"C, 2#6 (120 V TMS), 8 DLC.

RC

4 DLC. ADD 4 DLC.

444

Exist 2-3"C, 2#6 (120 V TMS), 10 DLC.

RC

4 DLC. ADD 4 DLC.

445

Exist 2-3"C, 2#4 (120 V TMS), 1 HCC, 1 TVP, 1 TVCP, 1 TVC, 1 TVL, 12 DLC.

446

Exist 2-3"C, 2#4 (120 V TMS), 4 DLC.

447

Exist 2-3"C, 2#4 (120 V TMS), 20 DLC.

RC

14 DLC. ADD 14 DLC.

448

Exist 3"C, 6 DLC.

RC

6 DLC. ADD 6 DLC.

449

Exist 3"C, 14 DLC.

RC

14 DLC. ADD 14 DLC.

450

Exist 3"C, 16 DLC.

RC

16 DLC. ADD 16 DLC.

451

Exist 2-3"C, 2#4 (120 V TMS), 20 DLC.

RC

16 DLC. ADD 16 DLC.

452

2"C, 2#4 (120 V TMS).

453

Exist 3"C, 20 DLC.

RC

14 DLC. ADD 14 DLC.

454

PERMANENT WORK. THIS WORK IS A PART OF BID ITEM "FIBER OPTIC CABLE SYSTEMS". SEE SHEETS E-85 TO E-115 FOR DETAILS.

455

Exist 3"C, 12 DLC.

RC

6 DLC. ADD 6 DLC.

456

Exist 2-3"C, 2#6 (120 V CCTV/TMS), 1 HCC, 12 DLC.

RC

6 DLC. ADD 6 DLC.

457

INSTALL 12’ LMA UNLESS OTHERWISE NOTED AND 235 W LED Lum ON Exist TEMPORARY WOOD POLE.

458

Exist 3"C, 2#4 (120 V RM), 3#14 (120 V FB), 6#14 (RM SIGNAL), 1#8(N), 10 DLC.

459

Exist 2-3"C, 2#4 (120 V RM), 3#14 (120 V FB), 6#14 (RM SIGNAL), 1#8(N), 10 DLC.

460

Exist 2-3"C, 2#4 (120 V RM), 2#10 (120 V FB), 6#14 (RM SIGNAL), 1#8(N), 14 DLC.

461

Exist 3"C, 2#4 (120 V RM), 2#10 (120 V FB), 6#14 (RM SIGNAL), 1#8(N), 14 DLC.

462

Exist 3"C, 6#14 (RM SIGNAL), 1#8(N), 8 DLC.

463

Exist 2"C, 6 DLC. PULL OUT 4 DLC.

464

Exist 2"C, 4#4 (120 V RM), 2#4 (120 V TMS/CCTV), 2#6 (120 V HAR).

465

Exist 2-3"C, 2#6 (120 V TMS), 12 DLC.

RC

6 DLC. ADD 6 DLC.

466

Exist 2-3"C, 2#6 (120 V CCTV/TMS), 1 HCC, 12 DLC.

RC

6 DLC. ADD 8 DLC.

467

Exist 3"C, 12 DLC.

RC

6 DLC. ADD 8 DLC.

468

Exist 2-3"C. 2#6 (120 V RM), 3#10 (120 V FB), 9#14 (RM SIGNAL), 1#8(N). 15 DLC.

RC

6 DLC. ADD 6 DLC.

469

Exist 3"C, 9#14 (RM SIGNAL), 1#8(N),

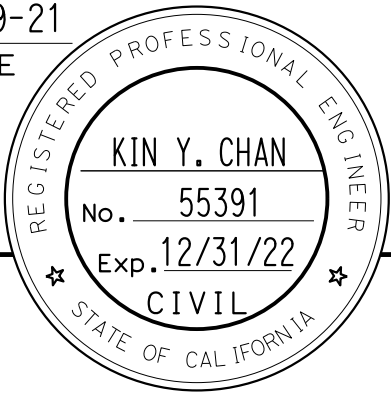
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1286	1710


REGISTERED CIVIL ENGINEER

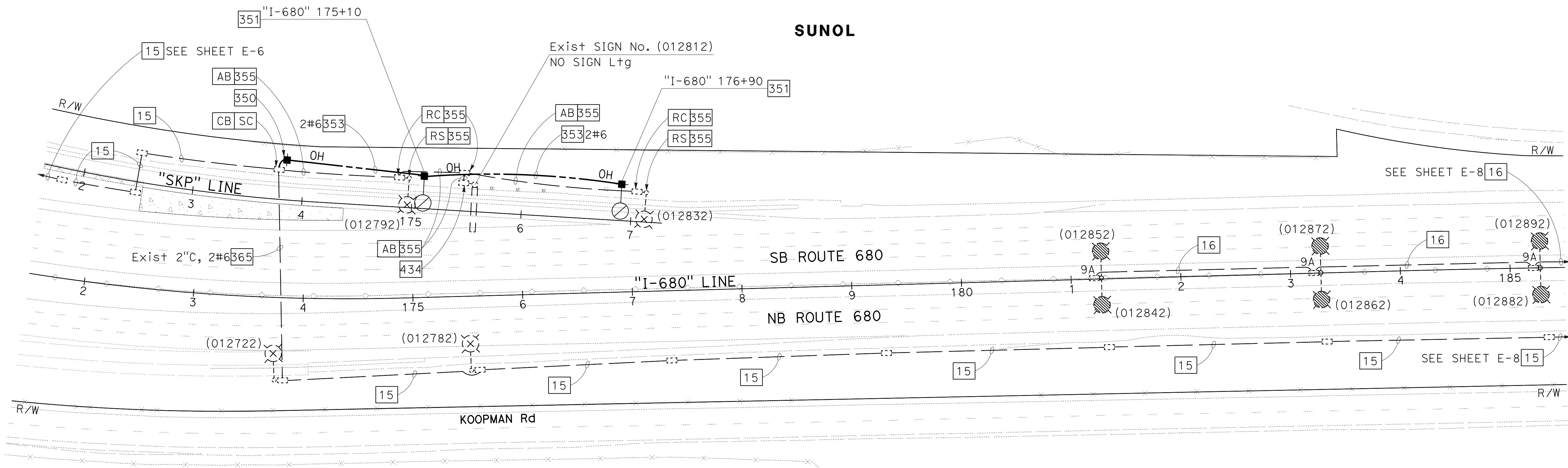
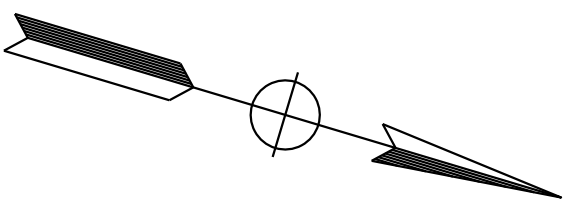
9-29-21
DATE

October 8, 2021
PLANS APPROVAL DATE



Y&C TRANSPORTATION
CONSULTANTS, INC.
200 Brown Rd, Suite 108
Fremont, CA 94539

ALAMEDA CTC
1111 Broadway
Suite 800
Oakland, CA 94607



TEMPORARY LIGHTING SYSTEMS
(STAGE 2)
SCALE: 1" = 50'

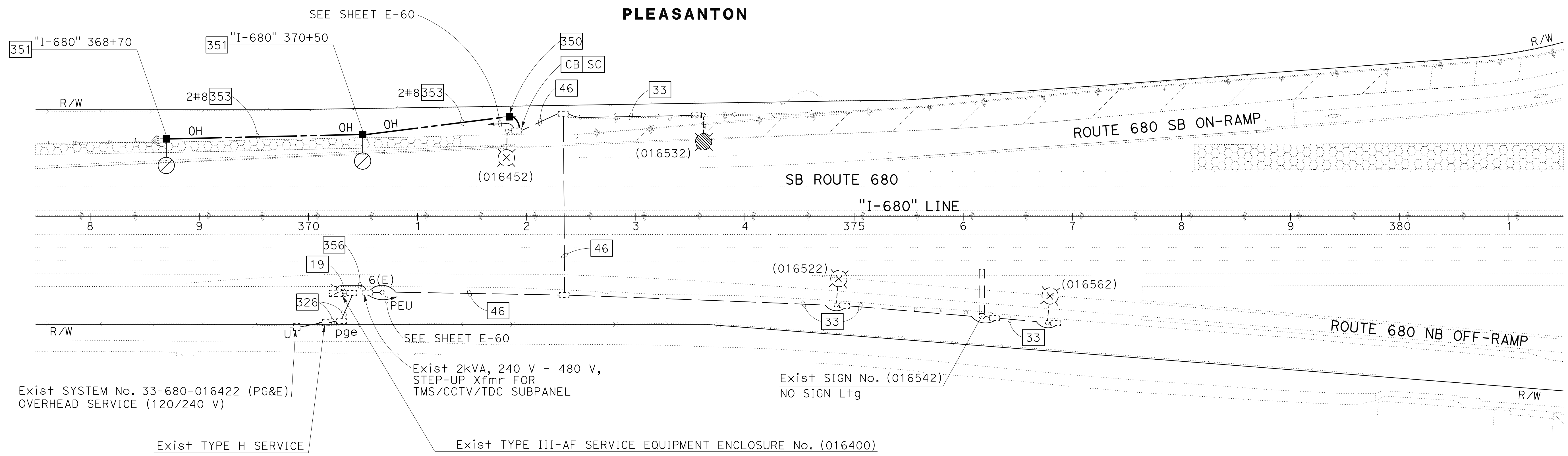
FOR NOTES AND LEGEND, SEE SHEETS
E-1 TO E-5 & E-161 TO E-162

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E-163

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, RO.0/RO.9	1287	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
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TEMPORARY LIGHTING SYSTEMS

(STAGE 2)

SCALE: 1" = 50'

E-164

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FOR NOTES AND LEGEND, SEE SHEETS
E-1 TO E-5 & E-161 TO E-162

[illegible]

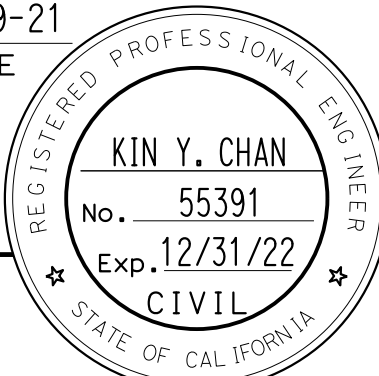
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist#	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET SHEET NO.	TOTAL SHEETS
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 9-29-21
 REGISTERED CIVIL ENGINEER DATE

October 8, 2021

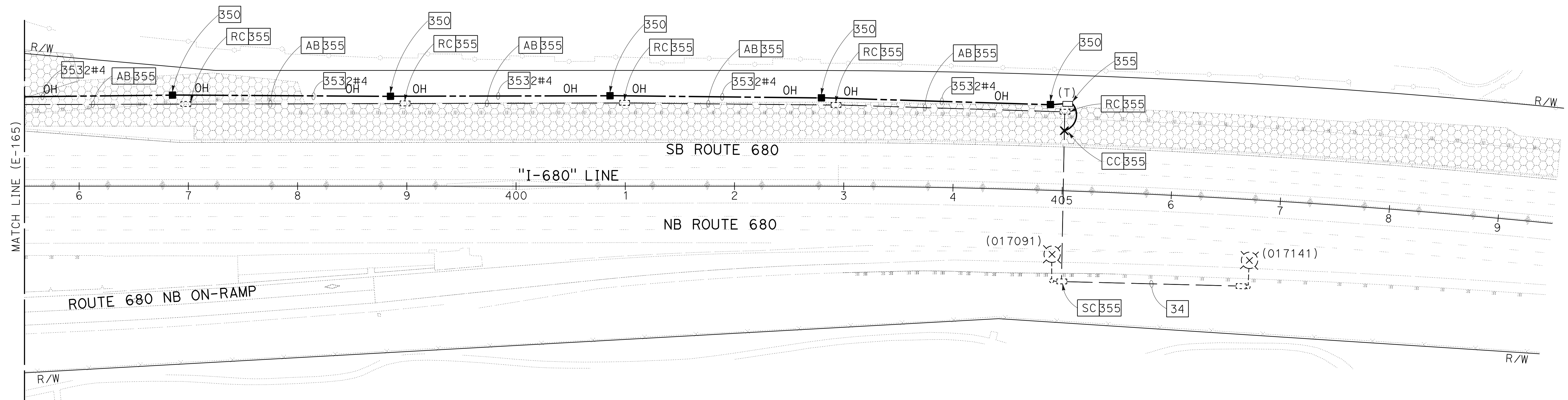
PLANS APPROVAL DATE



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TEMPORARY LIGHTING SYSTEMS

(STAGE 2)

SCALE: 1" = 50'

E-166

FOR NOTES AND LEGEND, SEE SHEETS
E-1 TO E-5 & E-161 TO E-162

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UNIT 0733

PROJECT NUMBER & PHASE

04200002351

BORDER LAST REVISED 7/2/2010

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DGN FILE => 0420000235ua166.dgn

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RELATIVE BORDER SCALE
IS IN INCHES

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Subaru®

CONSULTANT FUNCTIONAL SUPERVISOR

CALCULATED-
DESIGNER, DOY

MENG YANG

REVISED BY	MY
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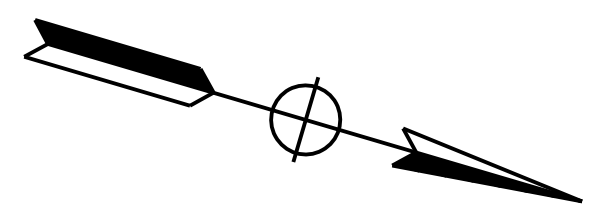
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TIME PLOTTED => 17:09	09-29-21

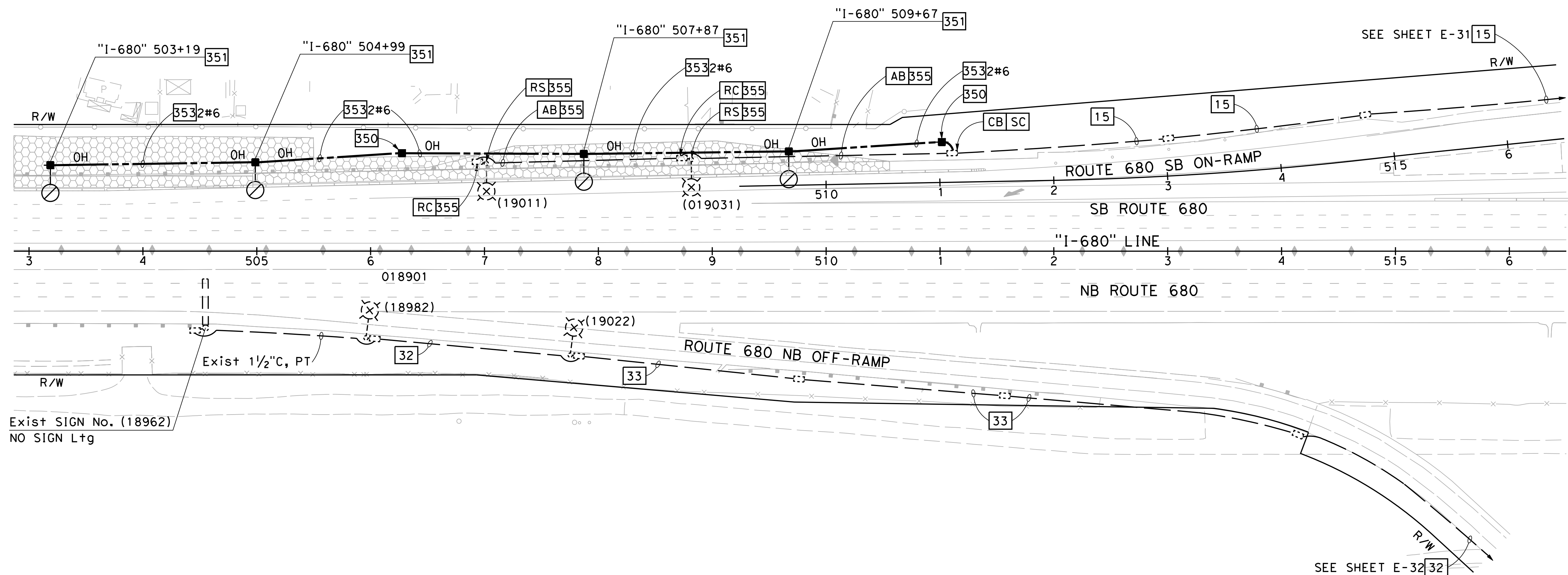
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04	Ala, CC	680	R11.0/R21.9, RO.0/RO.9	1290	1710
 REGISTERED CIVIL ENGINEER			9-29-21 DATE		
October 8, 2021 PLANS APPROVAL DATE					
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PLEASANTON



TEMPORARY LIGHTING SYSTEMS (STAGE 2)

E - 167

FOR NOTES AND LEGEND, SEE SHEETS
E-1 TO E-5 & E-161 TO E-162

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DGN FILE => 0420000235uq167

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RELATIVE BORDER SCALE
IS IN INCHES

UNIT 0733

PROJECT NUMBER & PHASE

04200002351

DATE PLOTTED => 2/11/2022	LAST REVISION
TIME PLOTTED => 10:15:49 AM	09-29-21

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

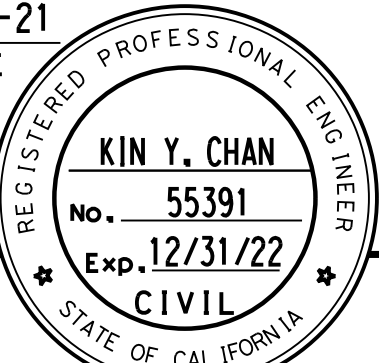
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04	Ala, CC	680	R11.0/R21.9, RO.0/RO.9	1291	1710



REGISTERED CIVIL ENGINEER

9-29-21

DATE

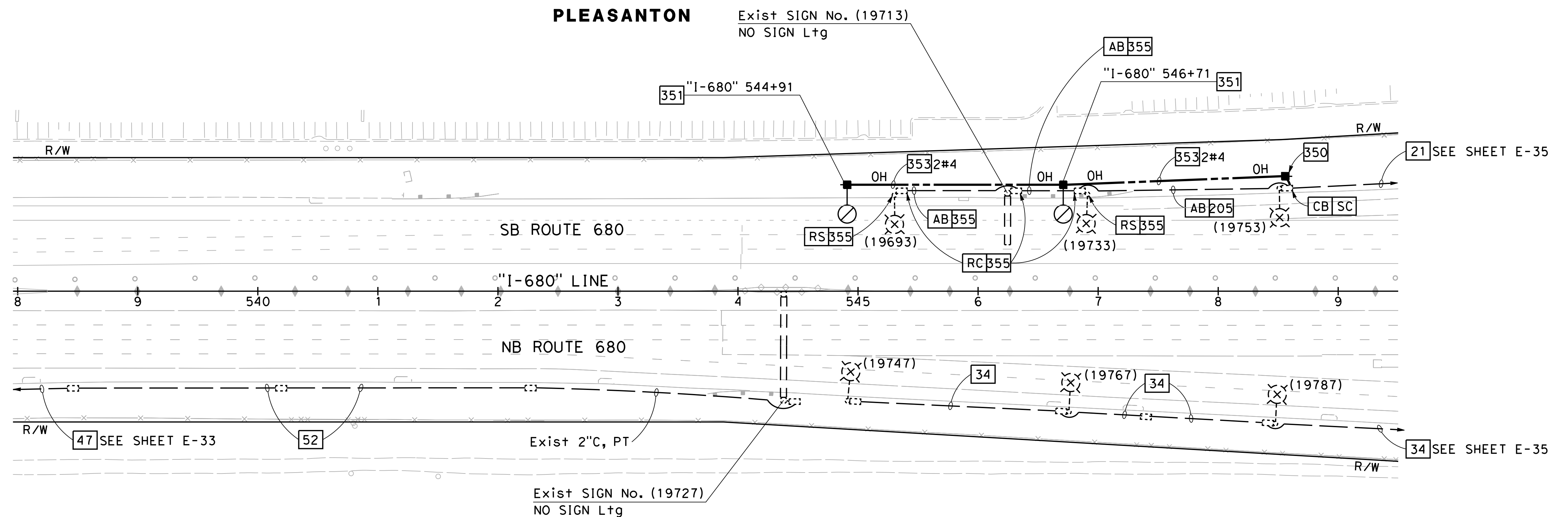


October 8, 2021

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TEMPORARY LIGHTING SYSTEMS

(STAGE 2)

SCALE: 1" = 50'

E-168

FOR NOTES AND LEGEND, SEE SHEETS
E-1 TO E-5 & E-161 TO E-162

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UNIT 0733

PROJECT NUMBER & PHASE

04200002351

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USERNAME => myang
DGN FILE => 0420000235ua168

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BORDER LAST REVISED 7/2/2010

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Subaru®

TIMOTHY J. LEE

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DESIGNED BY

MENG YANG

REVISED BY	MY
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x

x

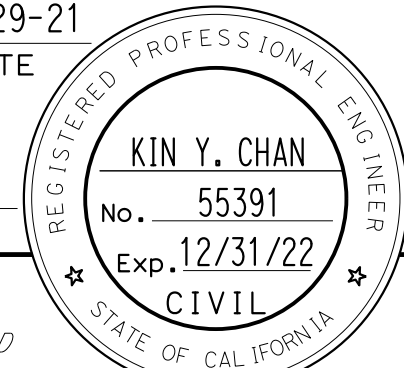
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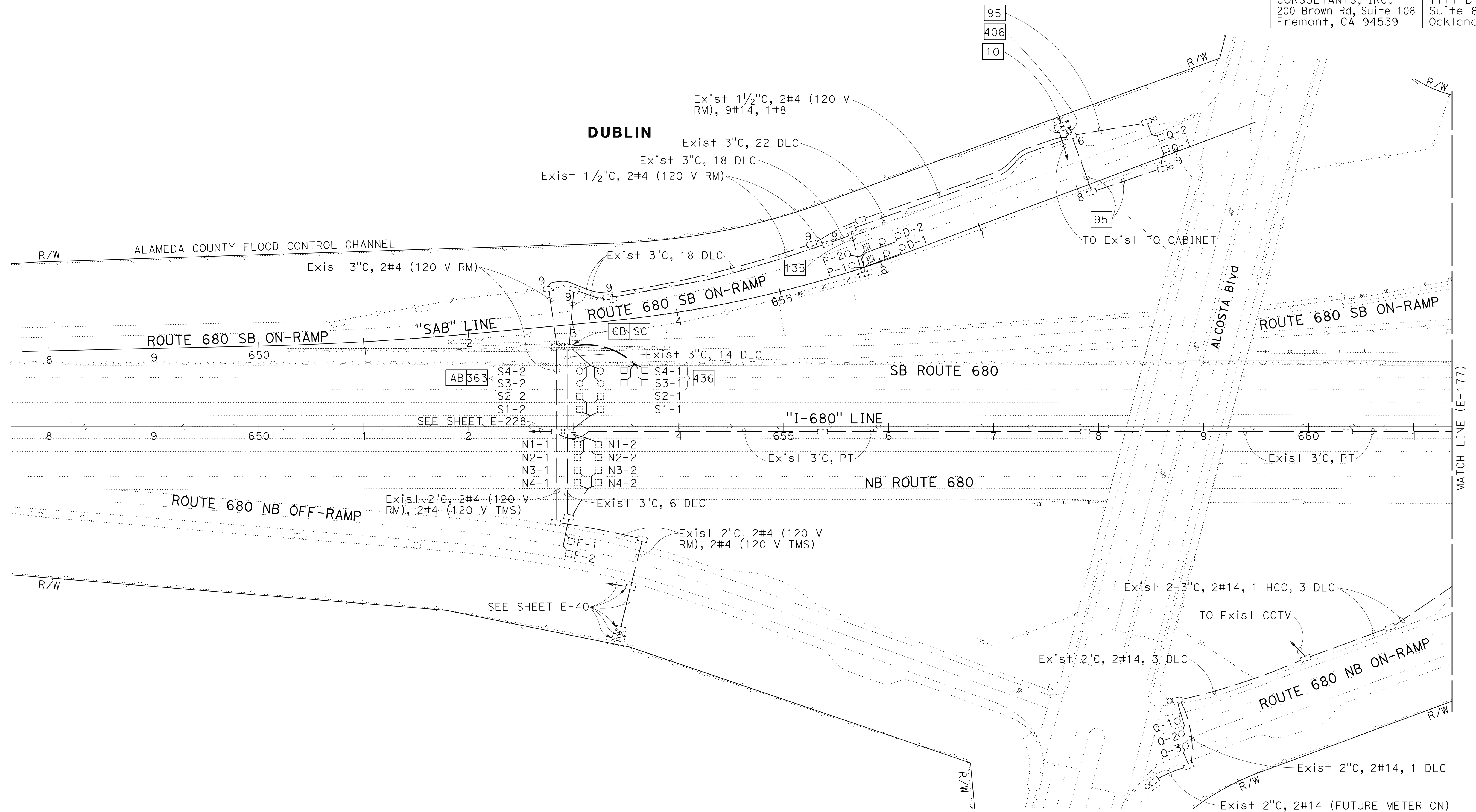
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DATE PLOTTED => 2/11/2022	DATE PLOTTED => 2/11/2022
TIME PLOTTED => 10:15:53 AM	TIME PLOTTED => 10:15:53 AM

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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	TOTAL MILES TOTAL PROJECT	SHEET SHEET No.	TOTAL SHEETS
04	Ala, CC	680	R11.0/R21.9, R0.0/R0.9	1299	1710
 REGISTERED CIVIL ENGINEER			9-29-21		
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TEMPORARY RAMP METERING SYSTEMS (STAGE 1 PHASE 1)

SCALE: 1" = 50'

FOR NOTES AND LEGEND, SEE SHEETS
E-1 TO E-5 & E-161 TO E-162

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E-176

