

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.  
 DATE SIGNED: 06/22  
 LICENSE Exp DATE: 06/22  
 REGISTRATION No.: 72005  
 CALTRANS DESIGN OVERSIGHT APPROVAL: SCOTT W. MANN  
 CONSULTANT DESIGN MANAGER: LAUREN REINKING

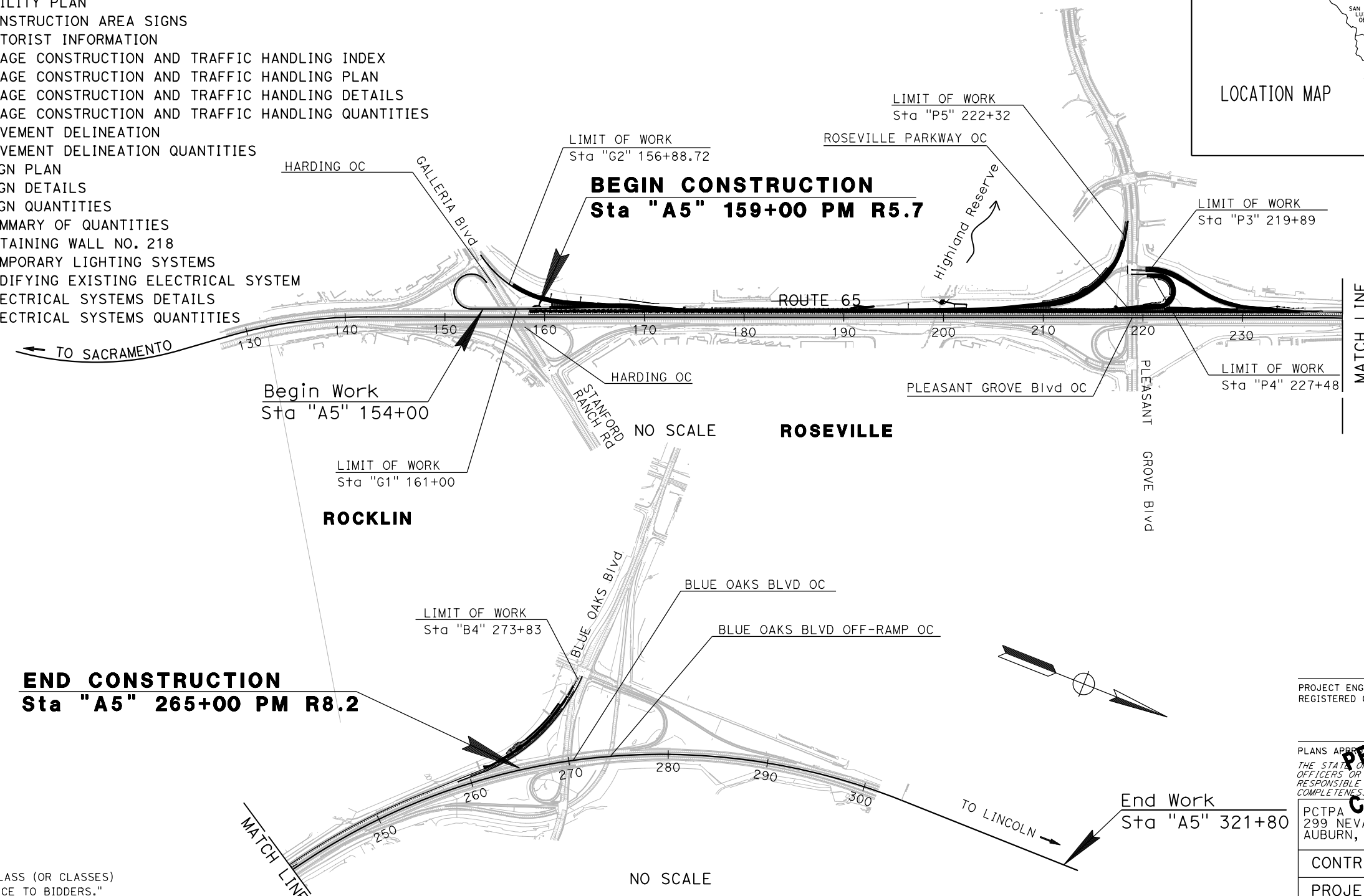
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230	EQ-1	ELECTRICAL SYSTEMS QUANTITIES

**STATE OF CALIFORNIA**  
**DEPARTMENT OF TRANSPORTATION**  
**PROJECT PLANS FOR CONSTRUCTION ON**  
**STATE HIGHWAY**

**IN PLACER COUNTY IN AND NEAR ROSEVILLE ON ROUTE 65**  
**FROM STANFORD RANCH ROAD/GALLERIA BOULEVARD**  
**OVERCROSSING TO BLUE OAKS BOULEVARD OVERCROSSING**

TO BE SUPPLEMENTED BY STANDARD PLANS AND SPECIFICATIONS DATED 2018

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.7/R8.2	1	230



PROJECT ENGINEER: LAUREN C. REINKING  
 REGISTERED CIVIL ENGINEER  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL

PLANS APPROVED FOR CONSTRUCTION BY THE STATE OF CALIFORNIA. THE STATE OF CALIFORNIA OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF THE PRINTED COPIES OF THIS PLAN SHEET.

**PRELIMINARY NOT FOR CONSTRUCTION**

PCTPA	JACOBS
299 NEVADA ST.	2485 NATOMAS PARK DR.
AUBURN, CA 95603	STE 600
	SACRAMENTO, CA 95833

CONTRACT No.	<b>03-1F1714</b>
PROJECT ID	<b>0320000055</b>

**NOTES:**

- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
- SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
- SEE C-1 FOR PROPOSED MAINLINE ETW ELEVATIONS.
- EXACT LOCATIONS AND TYPES OF DIKE ARE SHOWN ON THE LAYOUTS AND SUMMARY OF QUANTITIES SHEETS.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.
- SEE STANDARD PLANS P74 AND P76 FOR TAPERED EDGE DETAILS. DO NOT PLACE EDGE TREATMENT WITH RHMA-0.

**STRUCTURAL SECTION DIMENSIONS:**

- 1 0.10' RHMA-O  
0.20' RHMA-G  
0.20' HMA (TYPE A)  
0.25' ATPB  
1.90' CLASS 2 AB
- 2 0.10' RHMA-O  
0.20' RHMA-G  
0.45' HMA (TYPE A)  
1.90' CLASS 2 AB
- 3 0.10' RHMA-O  
0.20' RHMA-G  
0.30' HMA (TYPE A)  
1.50' CLASS 2 AB
- 4 0.20' HMA (TYPE A)  
0.30' CLASS 2 AB
- 5 Exist  
0.10' RHMA-O  
0.15' HMA (TYPE A)  
0.21' AC (TYPE A)  
0.25' ATPB  
0.60' CLASS 2 AB
- 6 Exist  
0.10' RHMA-O  
0.15' HMA (TYPE A)  
0.58' AC (TYPE A)  
1.00' CLASS 2 AB
- 7 Exist  
0.06' OGAC  
0.45' AC (TYPE B)  
0.25' ATPB  
0.40' CLASS 2 AB
- 8 Exist  
0.10' RHMA-O  
0.15' HMA (TYPE A)  
0.33' AC (TYPE A)  
0.60' CLASS 2 AB
- 9 Exist  
0.08' OGAC  
0.50' AC (TYPE A)  
1.10' CLASS 2 AB
- 10 Exist  
0.20' AC (TYPE A)  
VAR CLASS 2 AB
- 11 0.08' STAMPED PCC  
0.50' PCC  
0.50' CLASS 2 AB

**DESIGN DESIGNATION**

ADT (2020)	119,700	D	51%
ADT (2040)	176,600	T	2.0%
DHV	11,700	V	70 mph
ESAL	102,900,000	TI <sub>20</sub>	12.5

**PAVEMENT CLIMATE REGION**

INLAND VALLEY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	2	230

REGISTERED CIVIL ENGINEER DATE

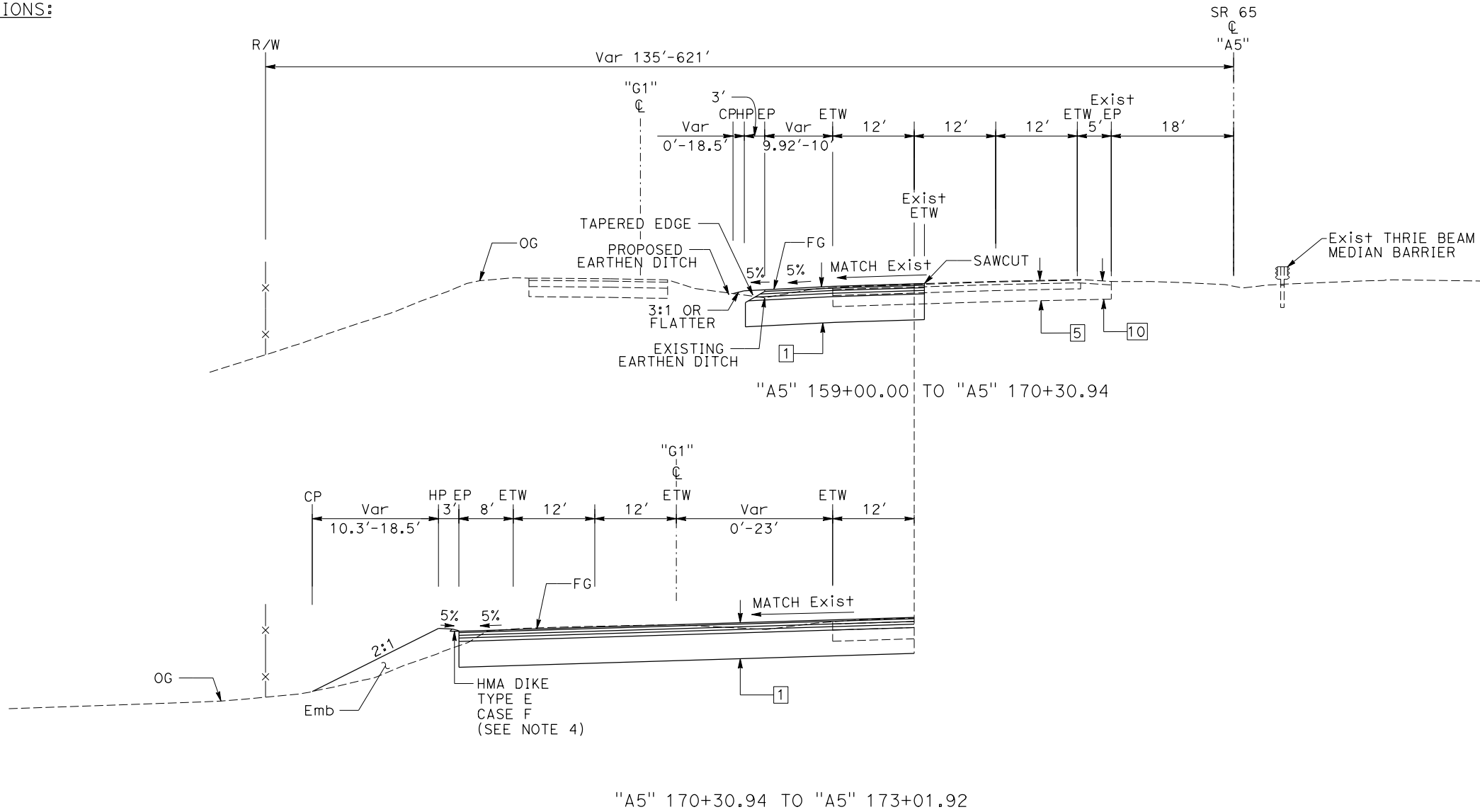


PLANS APPROVAL DATE

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SACRAMENTO, CA 95833

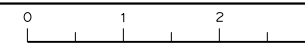


**ROUTE 65**

**TYPICAL CROSS SECTIONS**

NO SCALE

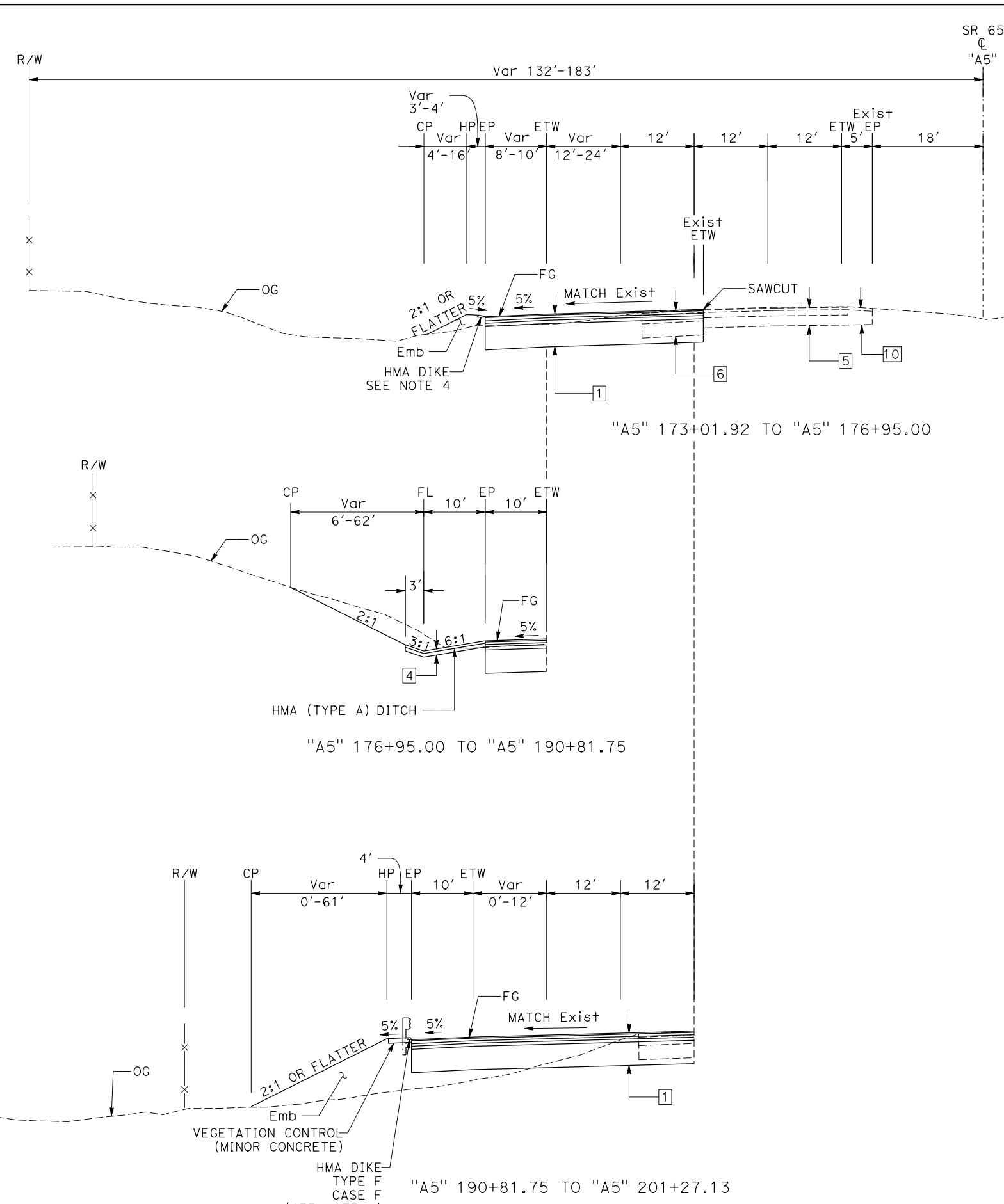
**X-1**





STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: G. MANOREK  
 CHECKED BY: L. REINKING  
 REVISED BY: G. MANOREK  
 DATE REVISED: [ ]

- NOTES:**
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
  - SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
  - SEE C-1 AND C-2 FOR PROPOSED MAINLINE ETW ELEVATIONS.
  - EXACT LOCATIONS AND TYPES OF DIKE ARE SHOWN ON THE LAYOUTS AND SUMMARY OF QUANTITIES SHEETS.
  - EXISTING EDGE DRAINS WITHIN GRADNIG LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.
  - SEE STANDARD PLANS P74 AND P76 FOR TAPERED EDGE DETAILS. DO NOT PLACE EDGE TREATMENT WITH RHMA-0.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.7/R8.2	3	230

REGISTERED CIVIL ENGINEER DATE  
 LAUREN C. REINKING  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

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 AUBURN, CA 95603

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 STE 600  
 SACRAMENTO, CA 95833

**TYPICAL CROSS SECTIONS**  
 NO SCALE  
**X-2**

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 CALCULATED/DESIGNED BY: L. REINKING  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE  
 REVISIONS: x, x, x, x, x

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	4	230

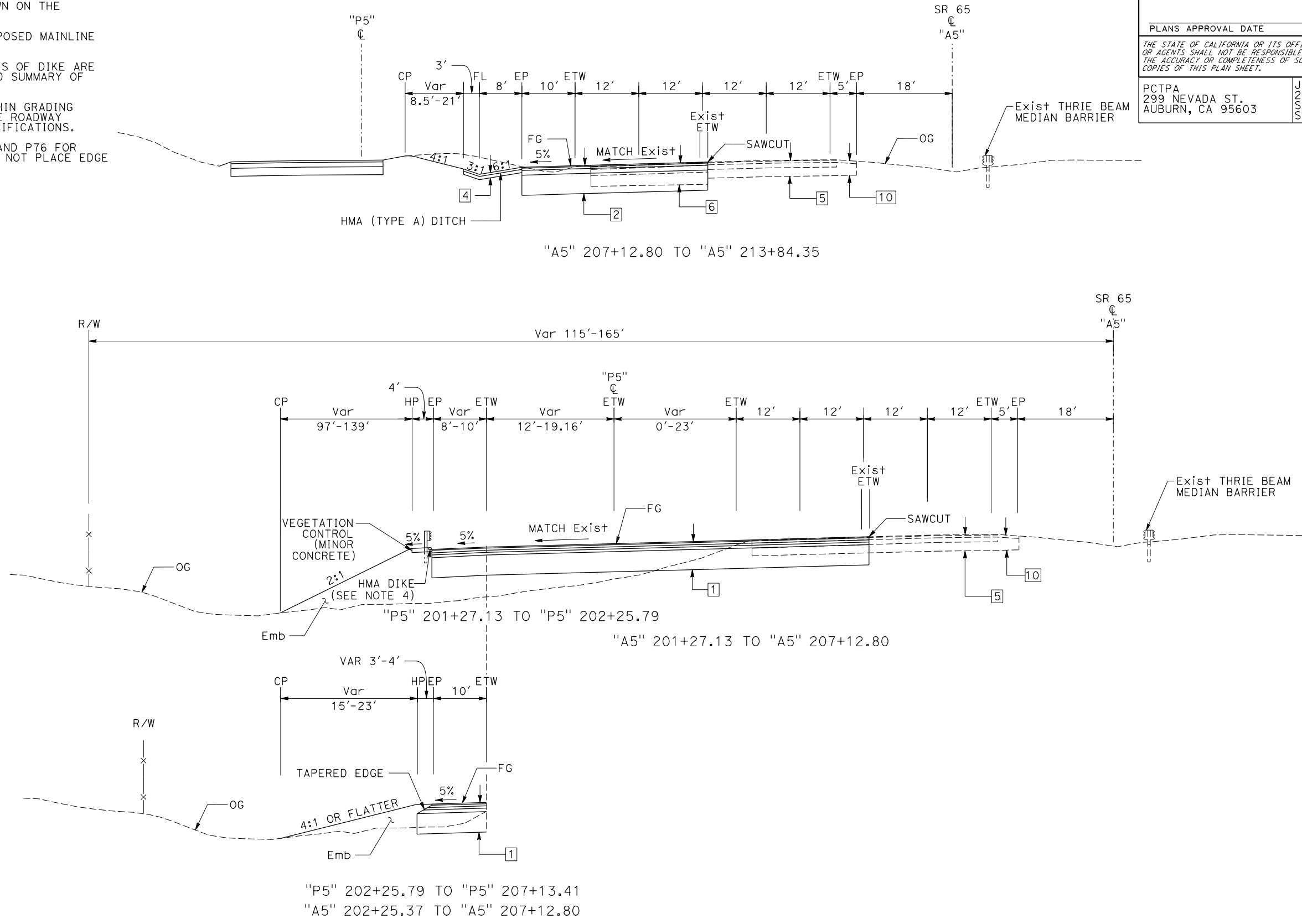
REGISTERED CIVIL ENGINEER DATE  
 LAUREN C. REINKING  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

PLANS APPROVAL DATE

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 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**ROUTE 65** **TYPICAL CROSS SECTIONS**

NO SCALE

**X-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
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 CALCULATED/DESIGNED BY: G. MANOREK  
 CHECKED BY: L. REINKING  
 REVISED BY: DATE REVISIONS

**NOTES:**

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5. EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.
6. SEE STANDARD PLANS P74 AND P76 FOR TAPERED EDGE DETAILS. DO NOT PLACE EDGE TREATMENT WITH RHMA-O.

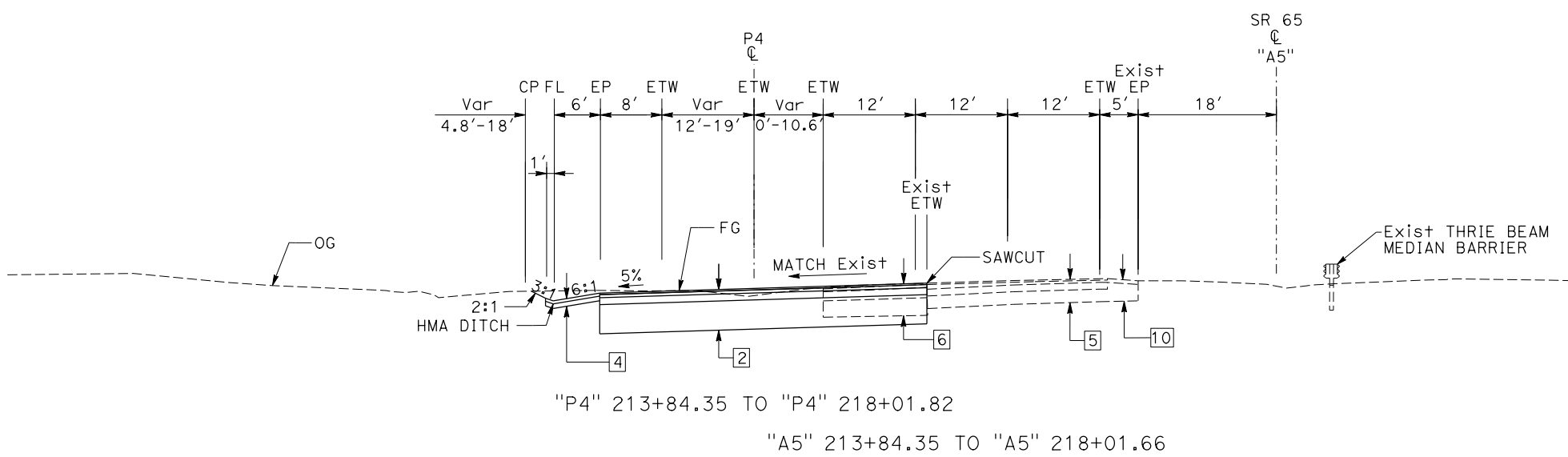
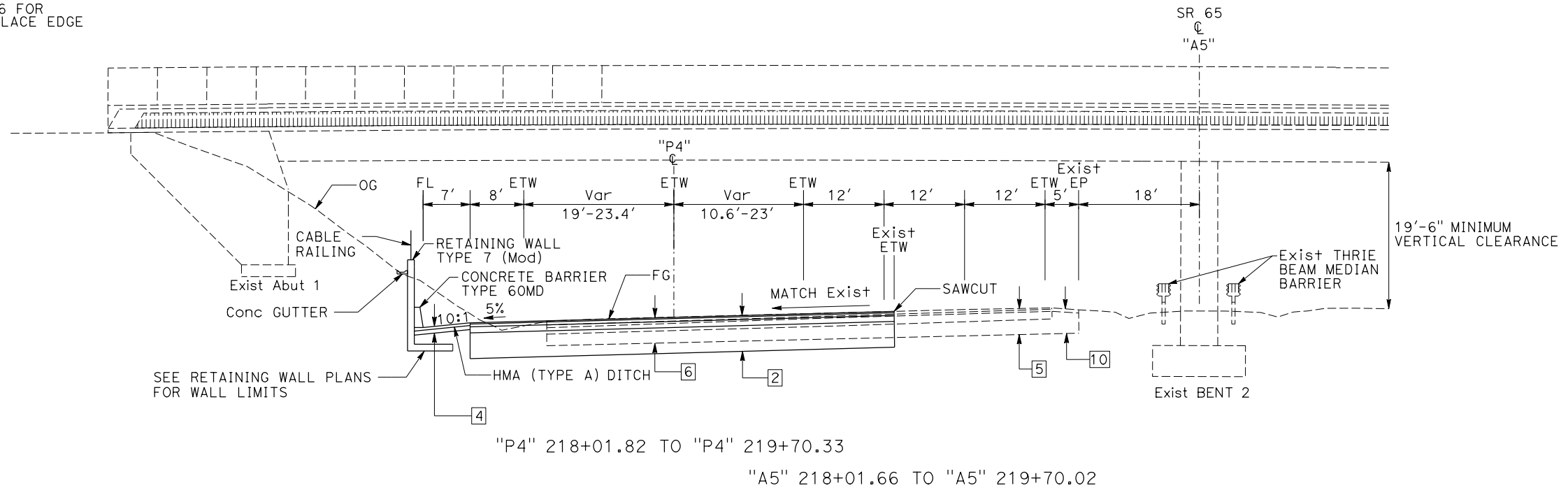
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	5	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

LAUREN C. REINKING  
 No. C 79949  
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 CIVIL  
 STATE OF CALIFORNIA

PCTPA  
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**TYPICAL CROSS SECTIONS**

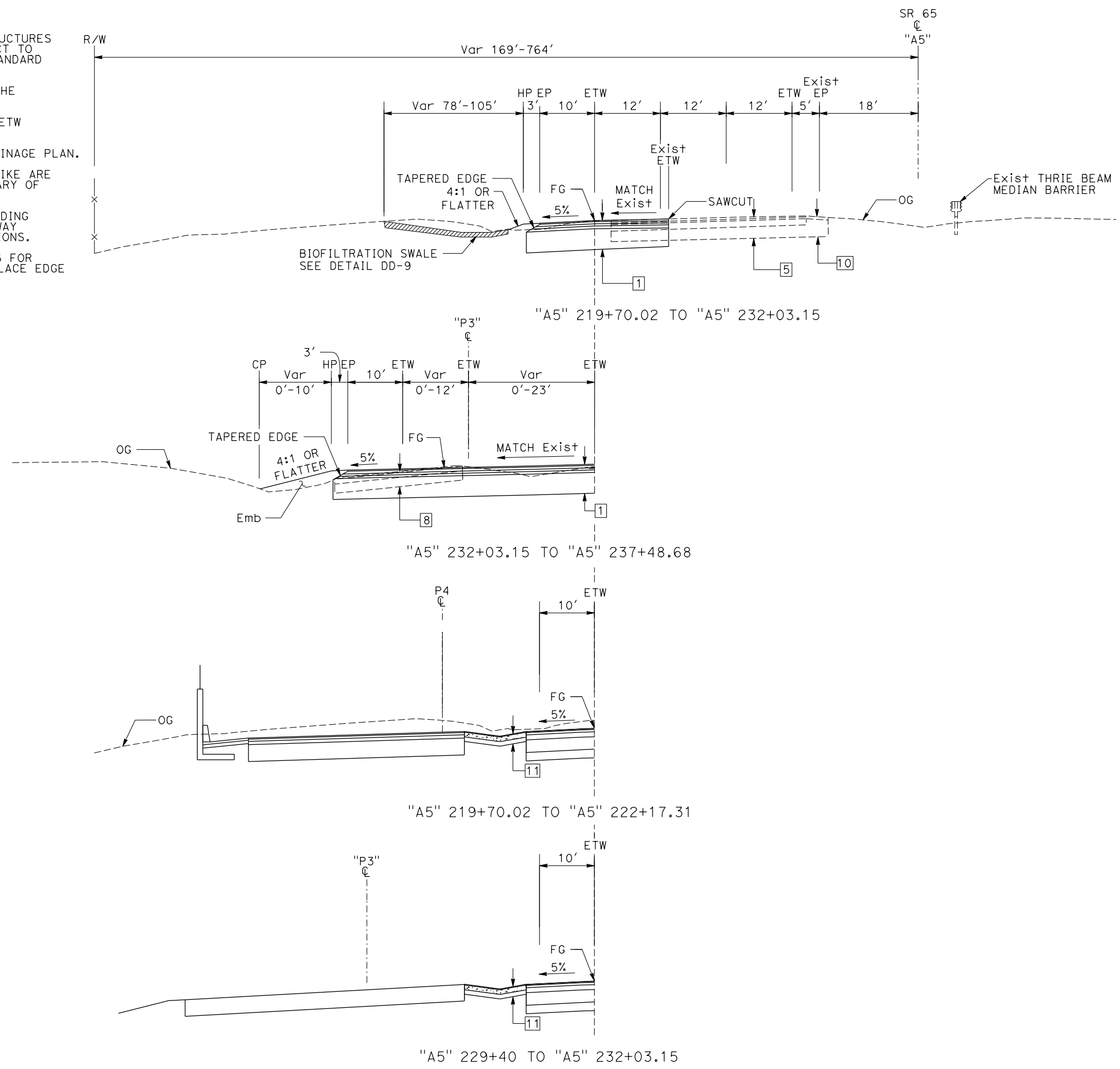
NO SCALE

**X-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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 CALCULATED/DESIGNED BY: G. MANOREK  
 CHECKED BY: G. MANOREK  
 REVISED BY: L. REINKING  
 DATE REVISED: [ ]

**NOTES:**

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4. FOR LIMITS OF BIOSWALE, SEE DRAINAGE PLAN.
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	6	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

REGISTERED PROFESSIONAL ENGINEER  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

**TYPICAL CROSS SECTIONS**  
 NO SCALE  
**X-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: G. MANOREK  
 CHECKED BY: G. MANOREK  
 REVISOR: L. REINKING  
 DATE: 7/2/2010

- NOTES:**
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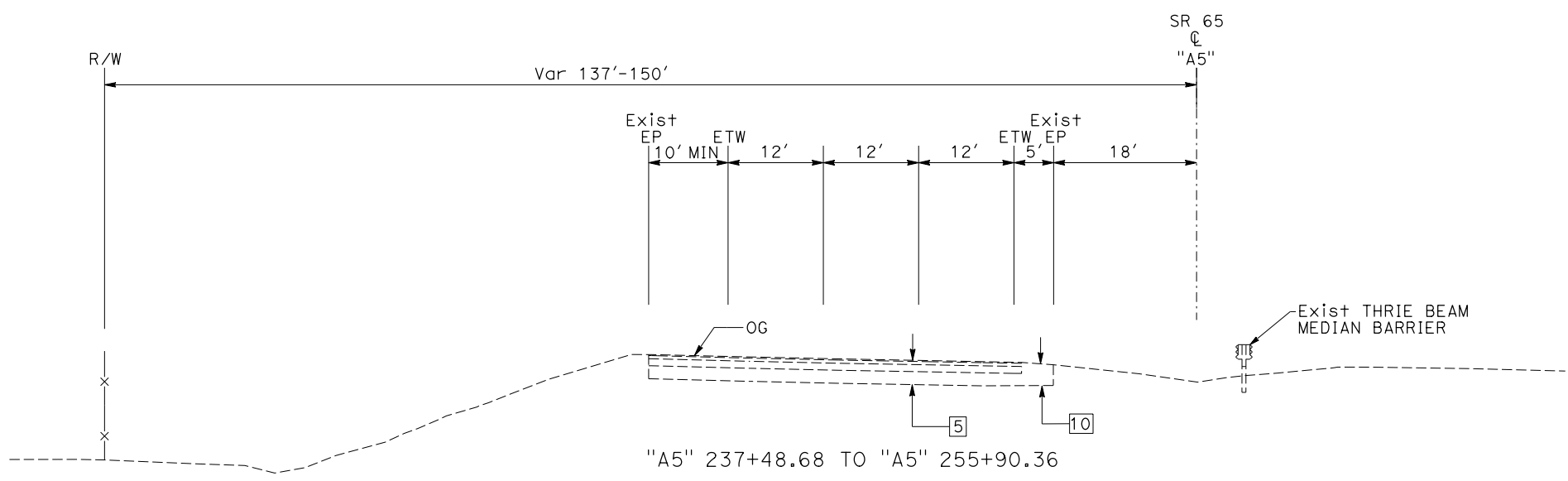
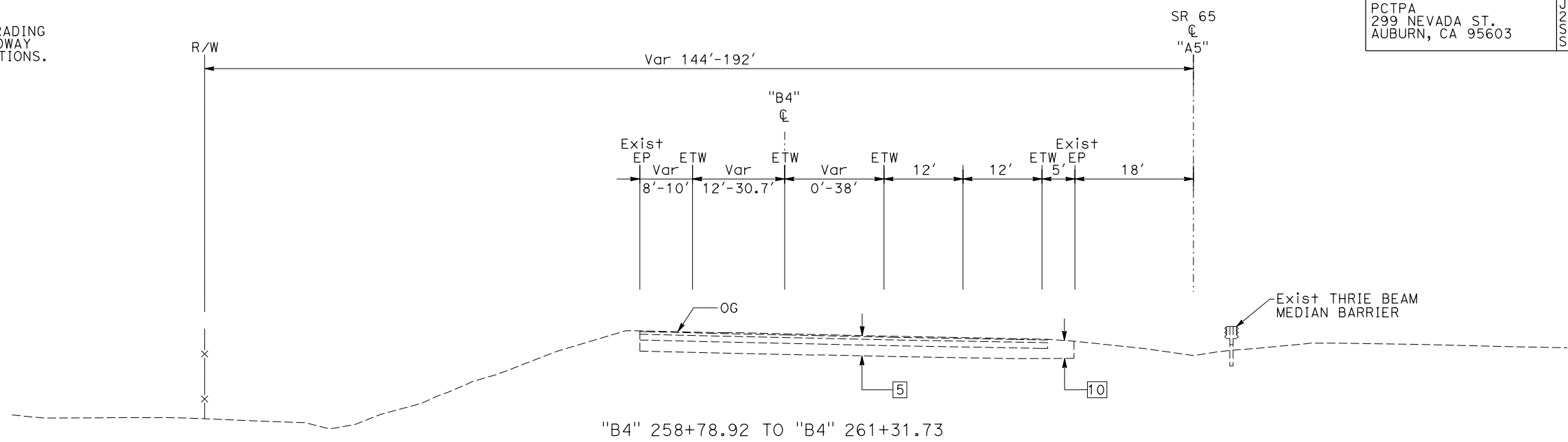
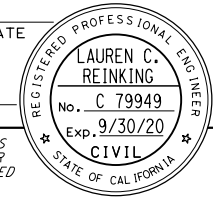
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	7	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

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**ROUTE 65**

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-6**

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 REVISIONS: X

- NOTES:**
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  4. EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.
  5. FOR GORE DETAILS, SEE C SHEETS.
  6. SEE STANDARD PLANS P74 AND P76 FOR TAPERED EDGE DETAILS. DO NOT PLACE EDGE TREATMENT WITH RHMA-0.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	8	230

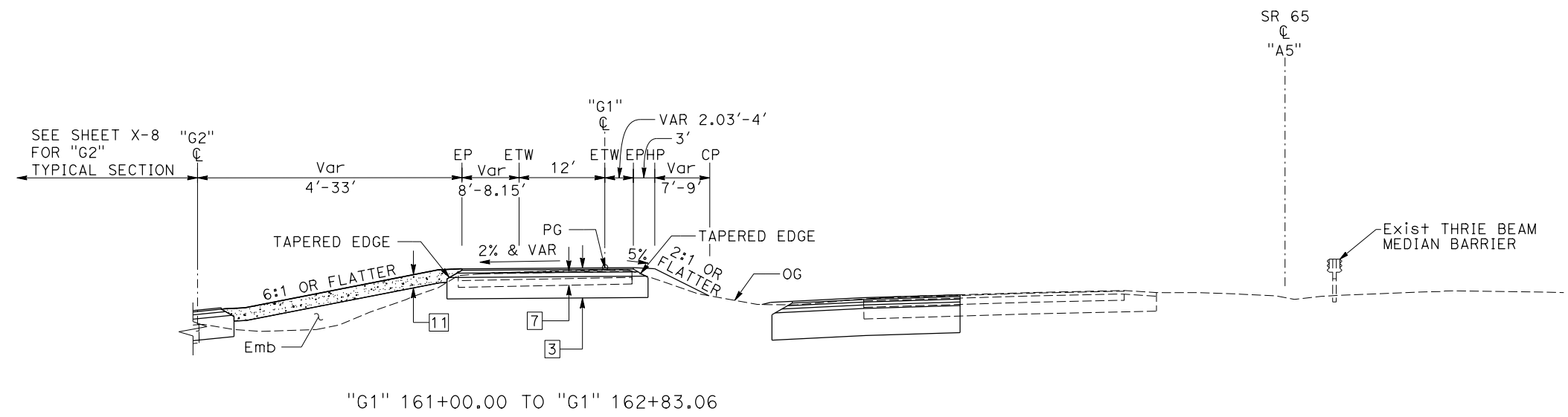
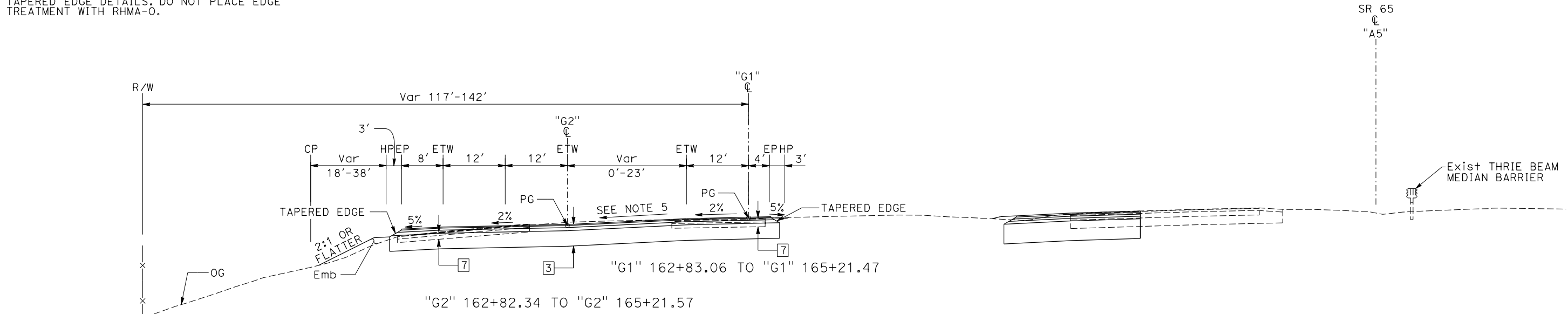
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REGISTERED PROFESSIONAL ENGINEER  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA



**SB GALLERIA Blvd OFF-RAMP**

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-7**

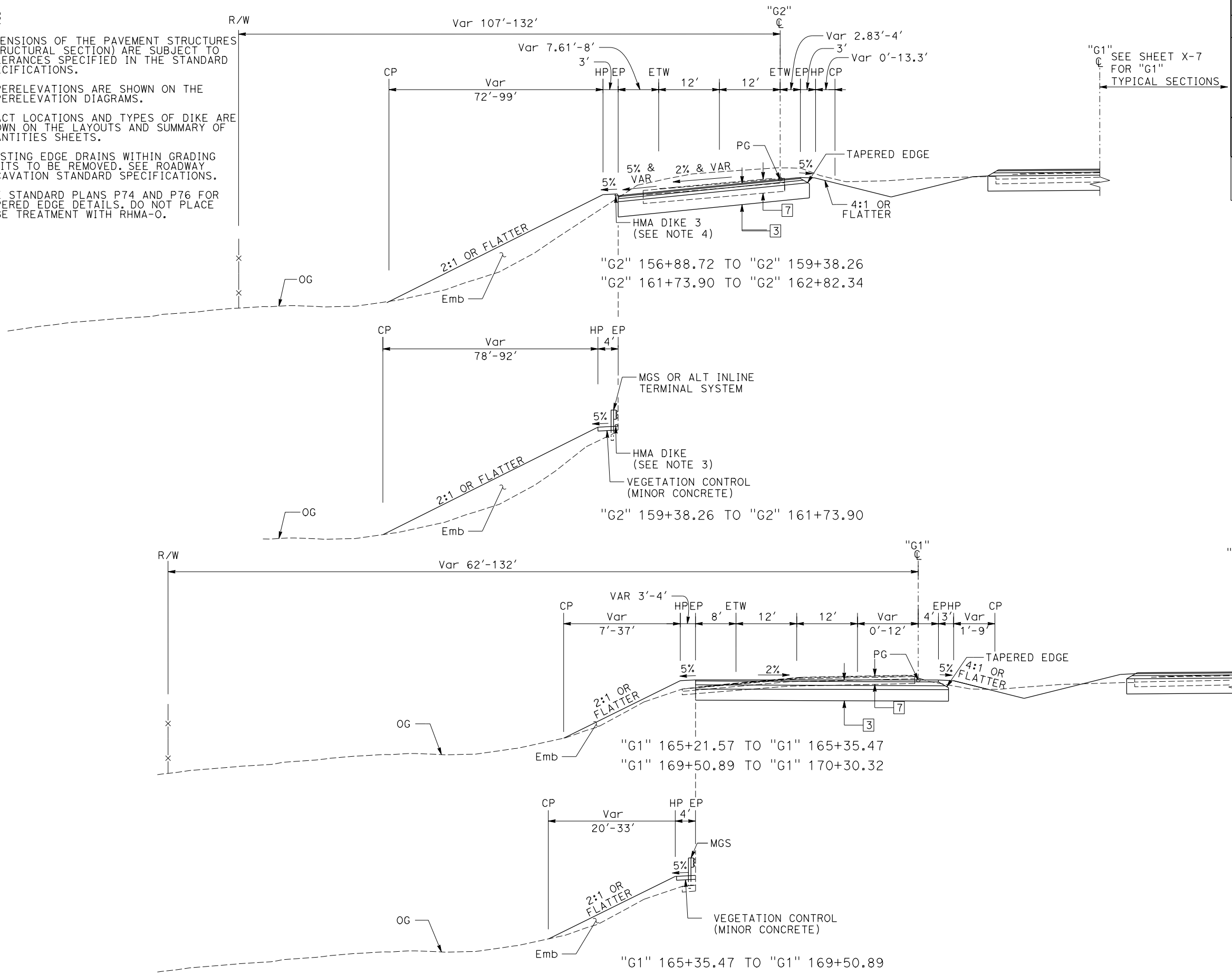
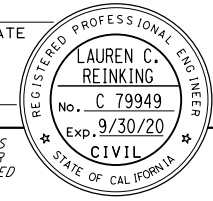
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**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING / G. MANOREK  
 CHECKED BY: G. MANOREK  
 REVISED BY: / DATE REVISED: /

**NOTES:**

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	9	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 PCTPA 299 NEVADA ST. AUBURN, CA 95603  
 JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833



**SB GALLERIA Blvd OFF-RAMP**

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-8**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans	REVISOR	DATE
CONSULTANT FUNCTIONAL SUPERVISOR	DESIGNED BY	CHECKED BY
C. BENSON	L. REINKING	G. MANOREK
	REVISOR	DATE
	REVISOR	DATE

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03	Plā	65	R5.7/R8.2	10	230

REGISTERED CIVIL ENGINEER DATE

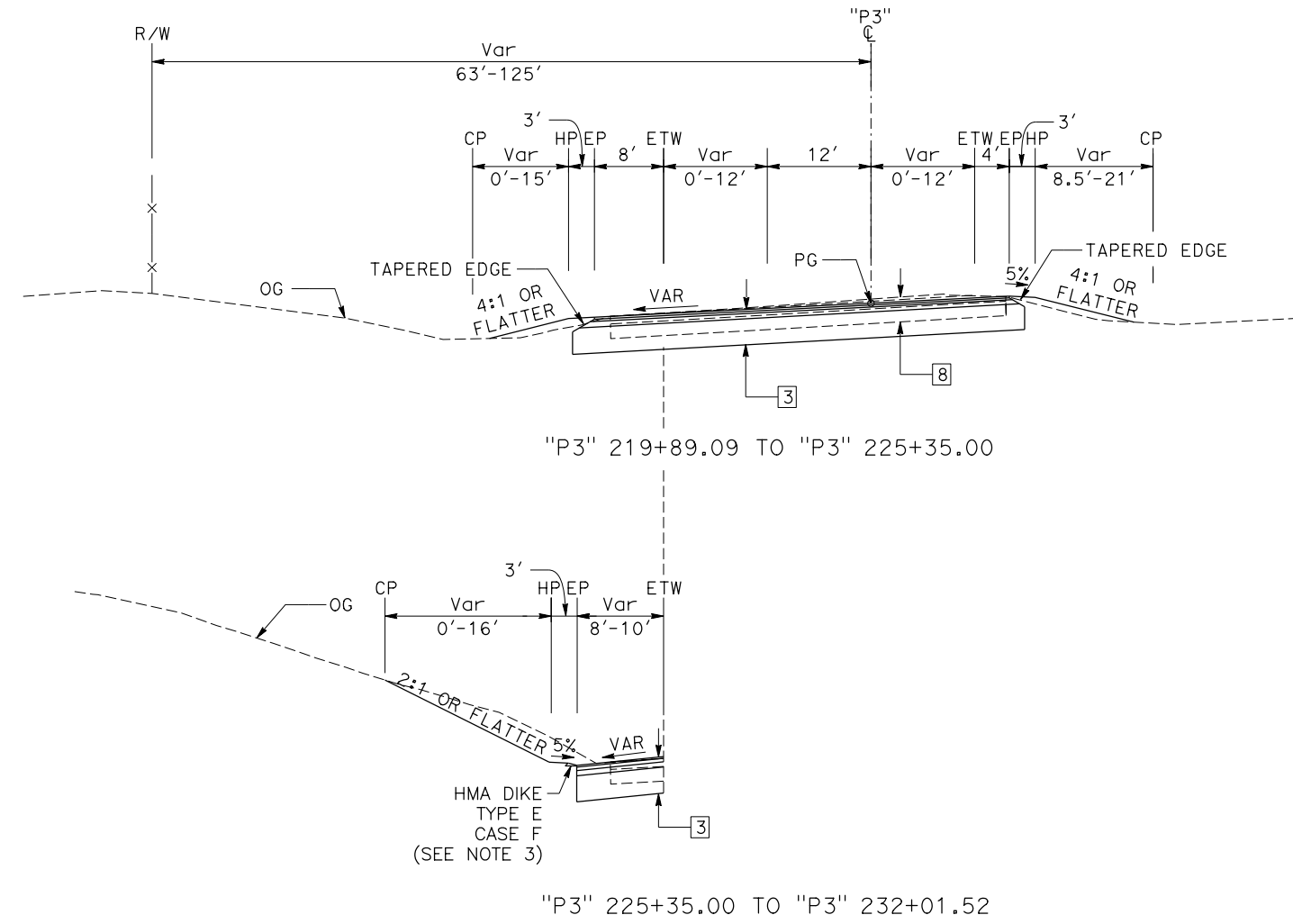
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**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA



**SB PLEASANT GROVE Blvd SLIP OFF-RAMP**

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-9**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE REVISION

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  - SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
  - FOR LIMITS OF BIOFILTRATION STRIP, SEE DRAINAGE PLAN.
  - EXACT LOCATIONS AND TYPES OF DIKE ARE SHOWN ON THE LAYOUTS AND SUMMARY OF QUANTITIES SHEETS.
  - EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.
  - SEE STANDARD PLANS P74 AND P76 FOR TAPERED EDGE DETAILS. DO NOT PLACE EDGE TREATMENT WITH RHMA-O.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.7/R8.2	11	230

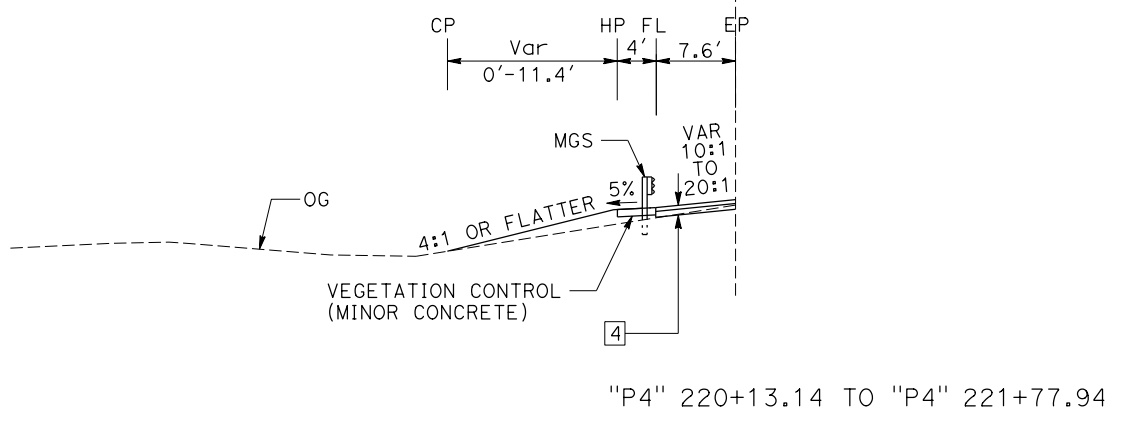
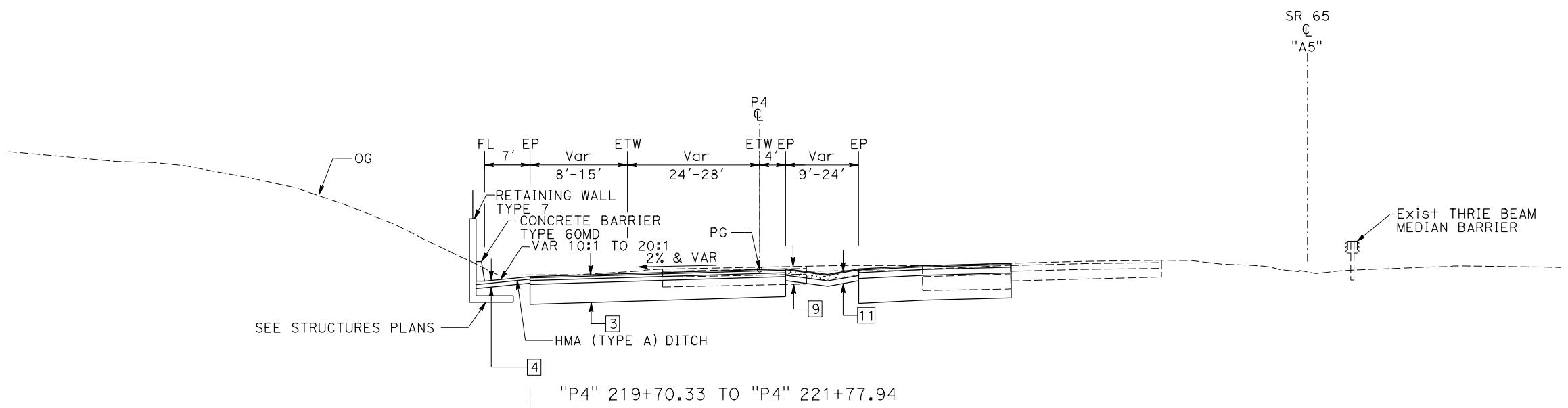
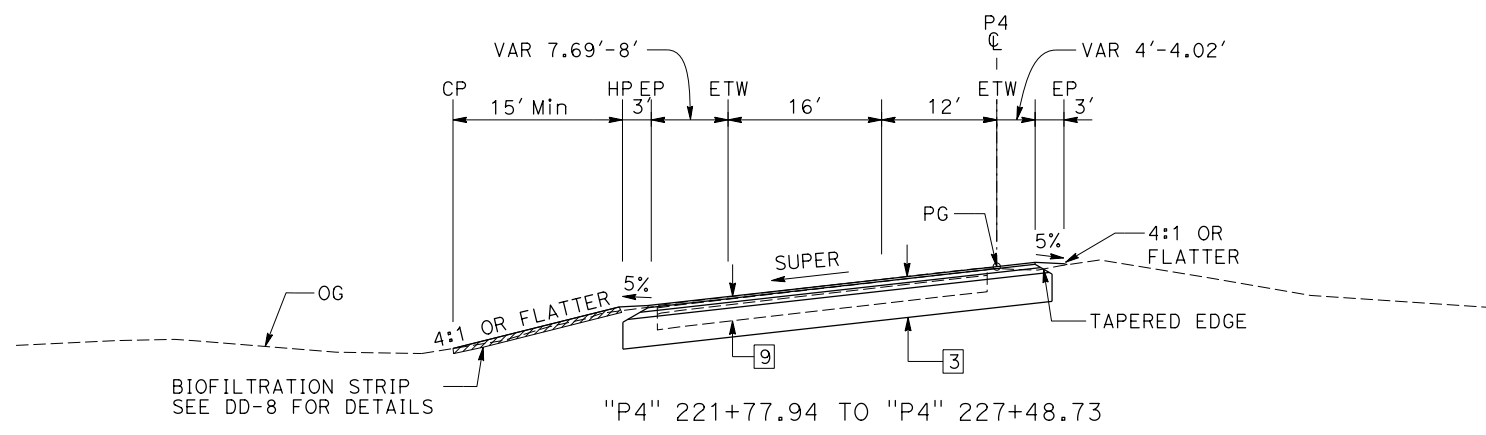
REGISTERED CIVIL ENGINEER DATE

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.

PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833



**SB PLEASANT GROVE Blvd LOOP ON-RAMP**

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-10**

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:09

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING, G. MANOREK  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE  
 REVISIONS: 1, 2, 3, 4, 5, 6

**NOTES:**

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
3. FOR LIMITS OF BIOFILTRATION STRIP, SEE DRAINAGE PLAN.
4. EXACT LOCATIONS AND TYPES OF DIKE ARE SHOWN ON THE LAYOUTS AND SUMMARY OF QUANTITIES SHEETS.
5. EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.
6. SEE STANDARD PLANS P74 AND P76 FOR TAPERED EDGE DETAILS. DO NOT PLACE EDGE TREATMENT WITH RHMA-O.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.7/R8.2	12	230

REGISTERED CIVIL ENGINEER DATE

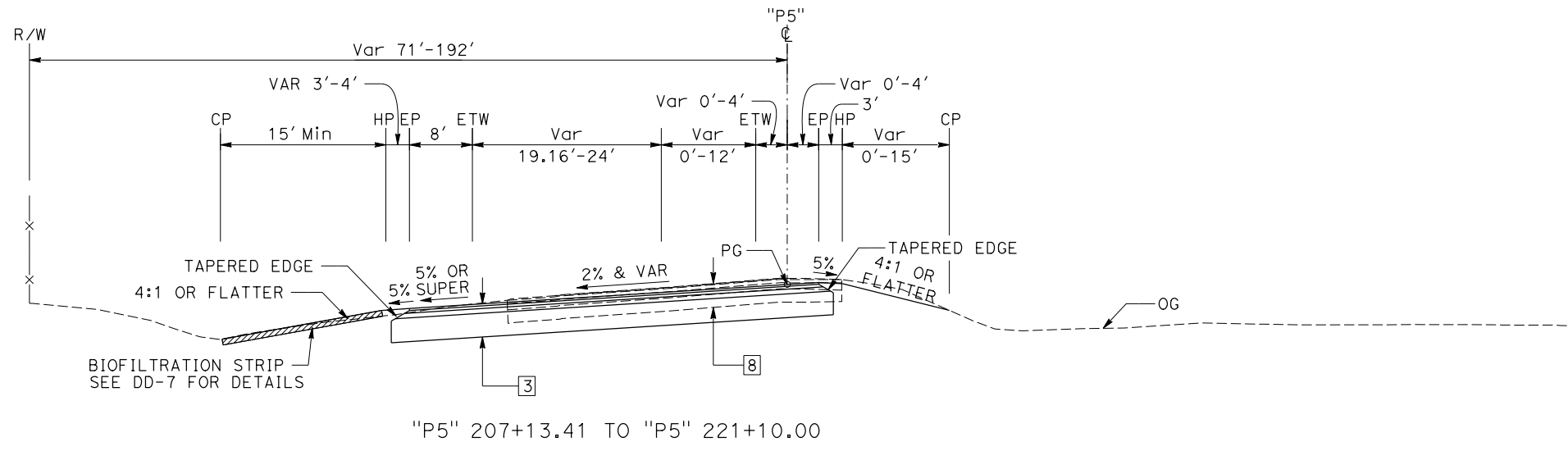
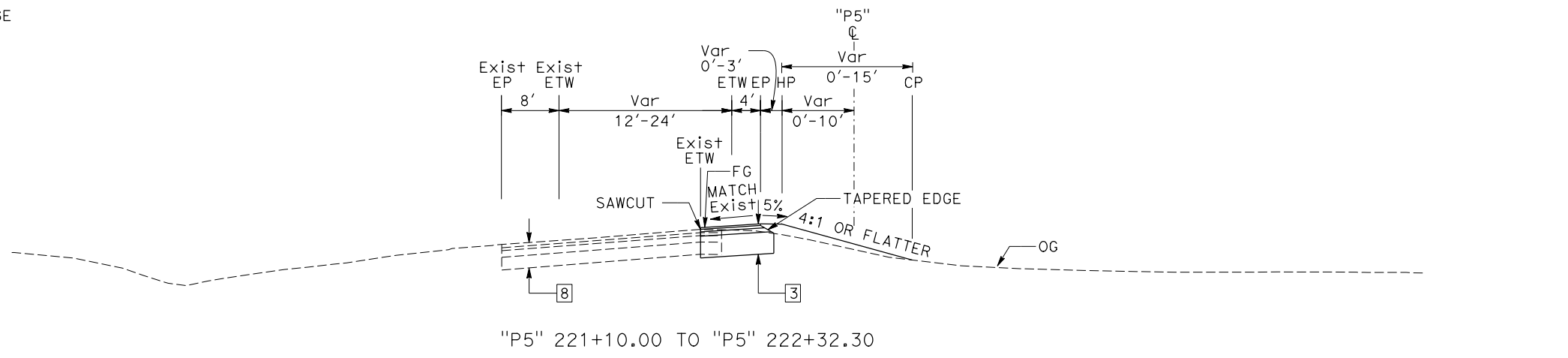
PLANS APPROVAL DATE

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PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833

REGISTERED PROFESSIONAL ENGINEER  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA



**SB PLEASANT GROVE Blvd SLIP ON-RAMP**

**TYPICAL CROSS SECTIONS**

NO SCALE

**X-11**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING, G. MANOREK  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE REVISION

**NOTES:**

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.
2. SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
3. FOR LIMITS OF BIOFILTRATION STRIP, SEE DRAINAGE PLAN.
4. EXACT LOCATIONS AND TYPES OF DIKE ARE SHOWN ON THE LAYOUTS AND SUMMARY OF QUANTITIES SHEETS.
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6. SEE STANDARD PLANS P74 AND P76 FOR TAPERED EDGE DETAILS. DO NOT PLACE EDGE TREATMENT WITH RHMA-O.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	13	230

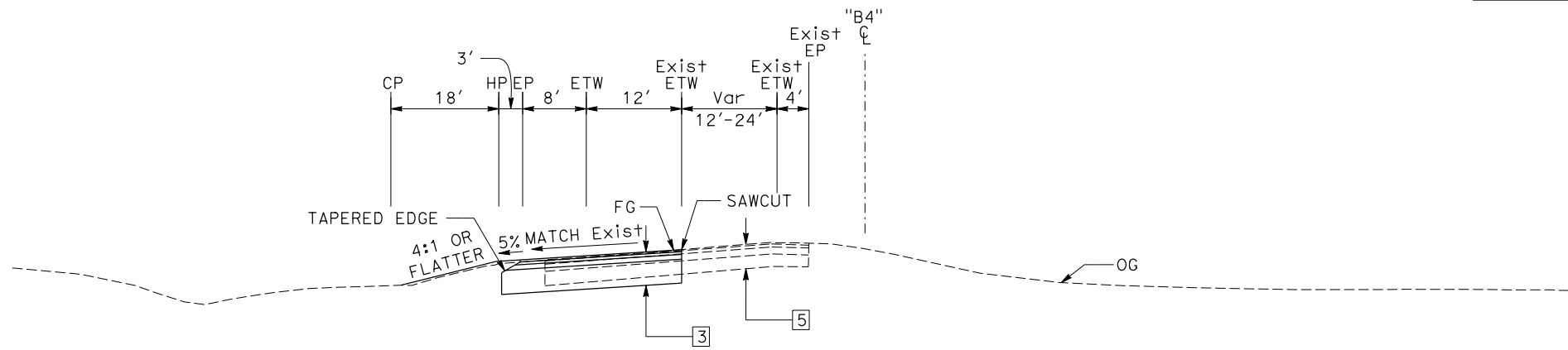
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

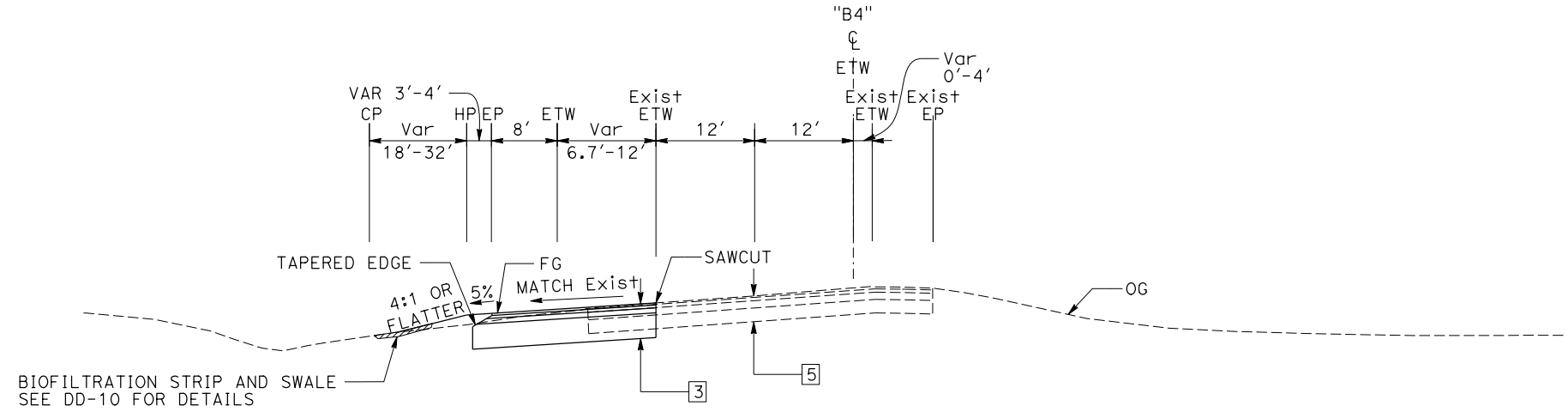
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STE 600  
SACRAMENTO, CA 95833



"B4" 271+85.41 TO "B4" 273+83.17



"B4" 262+22.50 TO "B4" 271+85.41

**SB BLUE OAKS Blvd SLIP ON-RAMP**

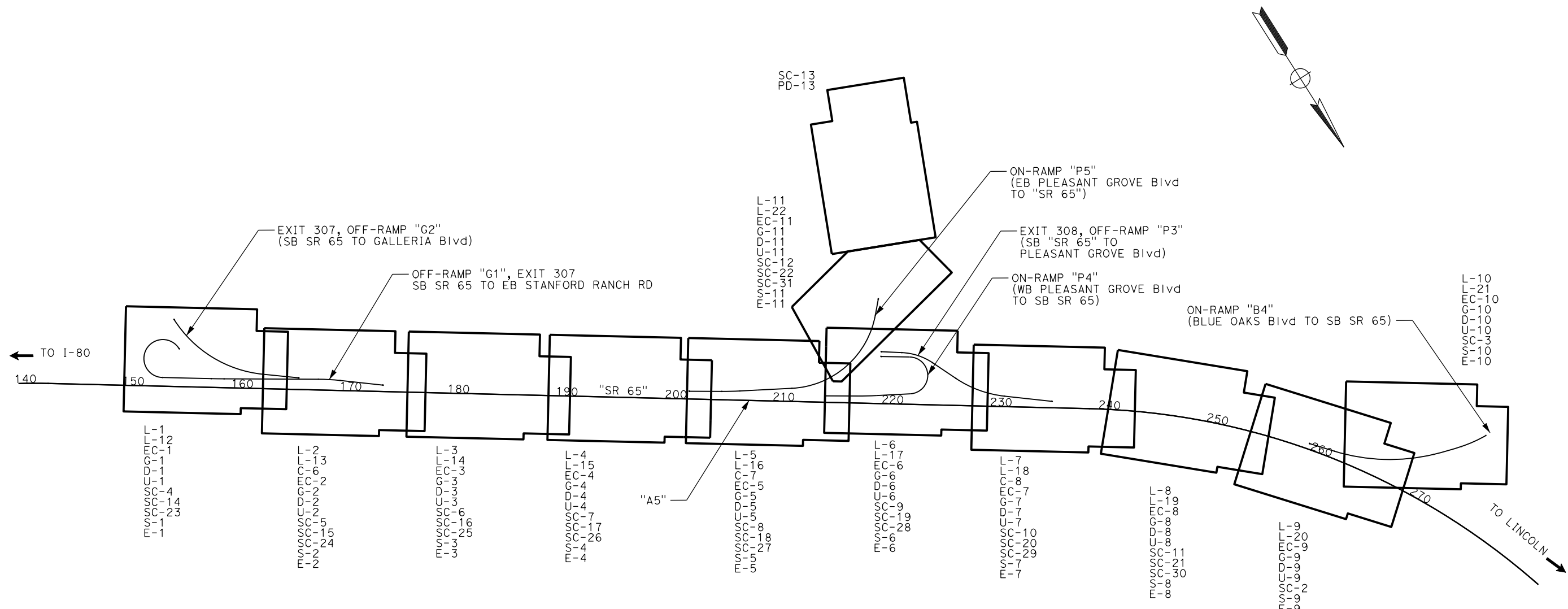
**TYPICAL CROSS SECTIONS**

NO SCALE

**X-12**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R5.7/R8.2	14	230
REGISTERED CIVIL ENGINEER DATE					
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.					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833		



**KEY MAP AND LINE INDEX**  
 NO SCALE **K-1**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plc	65	R5.7/R8.2	15	230

**NOTES:**

- FOR COMPLETE PROJECT CONTROL DATA, SEE THE SURVEY RECORDS ON FILE IN THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE.
- PRIMARY CONTROL POINT "HPGN CA 03 90" OUTSIDE OF PROJECT LIMITS AND NOT PICTURED HERE. SEE TABLE FOR POINT DATA.

**BASIS OF BEARINGS, COORDINATES, AND ELEVATIONS**

THE BASIS OF BEARINGS AND COORDINATES FOR THIS PROJECT ARE THE CALIFORNIA COORDINATE SYSTEM, ZONE 2, NAD83, EPOCH 2004.69, BASED ON NATIONAL GEODETIC SURVEY HEIGHT MODERNIZATION SURVEY STATIONS "INDUSTRIAL" (PID DH6533), "G 1200" (PID JS0755) AND "HPGN CA 03 09" (PID JS4669).

ELEVATIONS ARE BASED ON NAVD88.

COORDINATES AND ELEVATIONS ARE SHOWN IN U.S. SURVEY FOOT UNITS.

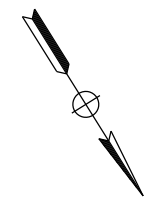
THE COMBINED SCALE FACTOR FOR THIS SURVEY IS 0.99992562. GROUND DISTANCES MAY BE OBTAINED BY DIVIDING GRID DISTANCES BY 0.99992562.

**LEGEND**

◁ SURVEY CONTROL POINT

**PRIMARY CONTROLS**

POINT	NORTHING	EASTING	ELEVATION
"INDUSTRIAL"	N: 2,050,111.75	E: 6,758,794.08	EI: 138.50
"G 1200"	N: 2,048,995.10	E: 6,777,653.62	EI: 253.77
"HPGN CA 03 09"	N: 2,027,708.26	E: 6,765,269.29	EI: 171.52



REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

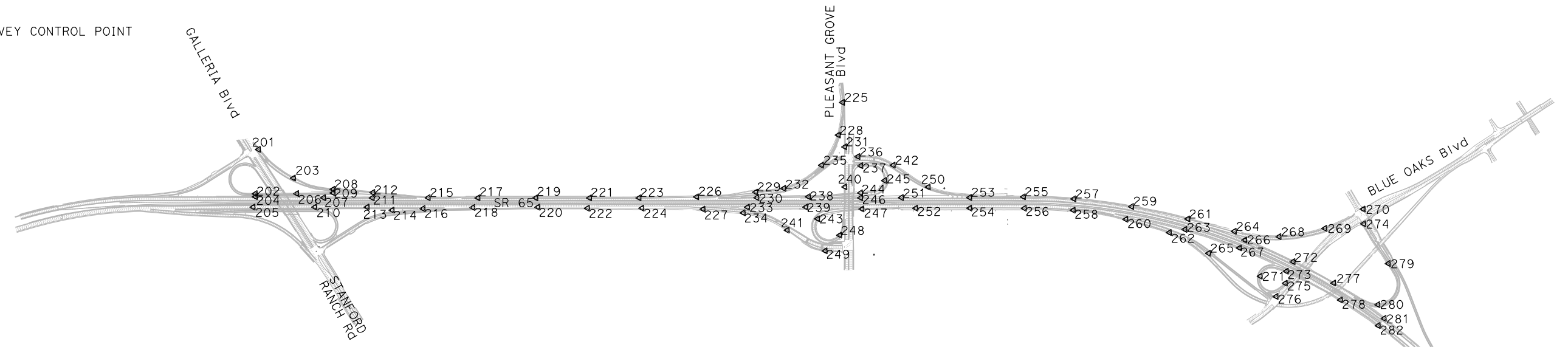
PLANS APPROVAL DATE \_\_\_\_\_

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AUBURN, CA 95603

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SACRAMENTO, CA 95833



**PROJECT CONTROLS**

PT	NORTHING	EASTING	ELEV.	DESCRIPTION
201	2,045,136.97	6,770,906.07	237.96	MAG NAIL @ LIDAR TARGET
202	2,045,529.91	6,771,193.05	228.89	MAG NAIL @ LIDAR TARGET
203	2,045,606.53	6,770,747.35	241.57	MAG NAIL @ LIDAR TARGET
204	2,045,558.02	6,771,210.53	229.57	MAG NAIL @ LIDAR TARGET
205	2,045,641.65	6,771,292.25	230.10	MAG NAIL @ LIDAR TARGET
206	2,045,770.39	6,770,807.07	226.82	MAG NAIL @ LIDAR TARGET
207	2,045,964.92	6,770,581.67	226.21	MAG NAIL @ LIDAR TARGET
208	2,045,941.77	6,770,445.08	226.67	MAG NAIL @ LIDAR TARGET
209	2,045,975.33	6,770,464.99	226.15	MAG NAIL @ LIDAR TARGET
210	2,046,000.85	6,770,718.07	226.69	MAG NAIL @ LIDAR TARGET
211	2,046,249.61	6,770,129.75	223.69	MAG NAIL @ LIDAR TARGET
212	2,046,203.75	6,770,092.74	225.21	MAG NAIL @ LIDAR TARGET
213	2,046,306.34	6,770,231.42	224.04	MAG NAIL @ LIDAR TARGET
214	2,046,480.05	6,770,016.71	220.91	MAG NAIL @ LIDAR TARGET
215	2,046,573.99	6,769,608.83	220.86	MAG NAIL @ LIDAR TARGET
216	2,046,645.68	6,769,720.18	220.61	MAG NAIL @ LIDAR TARGET
217	2,046,865.46	6,769,146.94	217.15	MAG NAIL @ LIDAR TARGET
218	2,046,926.34	6,769,249.74	217.23	MAG NAIL @ LIDAR TARGET
219	2,047,202.29	6,768,608.83	210.82	MAG NAIL @ LIDAR TARGET
220	2,047,300.92	6,768,644.28	210.55	MAG NAIL @ LIDAR TARGET
221	2,047,515.88	6,768,109.09	204.61	MAG NAIL @ LIDAR TARGET
222	2,047,600.00	6,768,189.39	204.36	MAG NAIL @ LIDAR TARGET
223	2,047,803.63	6,767,649.33	198.85	MAG NAIL @ LIDAR TARGET
224	2,047,916.41	6,767,682.25	197.95	MAG NAIL @ LIDAR TARGET
225	2,048,101.42	6,765,200.61	179.62	MAG NAIL @ LIDAR TARGET
226	2,048,129.81	6,767,107.67	191.98	MAG NAIL @ LIDAR TARGET
227	2,048,281.68	6,767,119.58	190.80	MAG NAIL @ LIDAR TARGET
228	2,048,380.32	6,765,430.20	186.18	MAG NAIL @ LIDAR TARGET

**PROJECT CONTROLS (CONT.)**

PT	NORTHING	EASTING	ELEV.	DESCRIPTION
229	2,048,430.41	6,766,530.82	184.18	MAG NAIL @ LIDAR TARGET
230	2,048,487.92	6,766,551.27	184.93	MAG NAIL @ LIDAR TARGET
231	2,048,528.07	6,765,438.56	191.80	MAG NAIL @ LIDAR TARGET
232	2,048,558.62	6,766,247.11	183.34	MAG NAIL @ LIDAR TARGET
233	2,048,521.59	6,766,694.46	186.15	MAG NAIL @ LIDAR TARGET
234	2,048,549.38	6,766,767.65	184.30	MAG NAIL @ LIDAR TARGET
235	2,048,562.93	6,765,761.89	187.59	MAG NAIL @ LIDAR TARGET
236	2,048,694.64	6,765,372.95	194.51	MAG NAIL @ LIDAR TARGET
237	2,048,796.86	6,765,398.97	193.43	MAG NAIL @ LIDAR TARGET
238	2,048,779.71	6,766,066.98	178.61	MAG NAIL @ LIDAR TARGET
239	2,048,860.78	6,766,151.60	179.32	MAG NAIL @ LIDAR TARGET
240	2,048,900.39	6,765,670.65	200.26	MAG NAIL @ LIDAR TARGET
241	2,048,967.33	6,766,459.22	184.86	MAG NAIL @ LIDAR TARGET
242	2,048,980.17	6,765,094.83	184.41	MAG NAIL @ LIDAR TARGET
243	2,049,038.67	6,766,110.30	176.05	MAG NAIL @ LIDAR TARGET
244	2,049,047.76	6,765,559.20	171.82	MAG NAIL @ LIDAR TARGET
245	2,049,072.81	6,765,264.59	174.51	MAG NAIL @ LIDAR TARGET
246	2,049,094.02	6,765,587.51	173.00	MAG NAIL @ LIDAR TARGET
247	2,049,205.92	6,765,640.54	171.88	MAG NAIL @ LIDAR TARGET
248	2,049,319.42	6,766,000.68	192.40	MAG NAIL @ LIDAR TARGET
249	2,049,380.60	6,766,226.88	194.23	MAG NAIL @ LIDAR TARGET
250	2,049,387.37	6,764,896.61	166.02	MAG NAIL @ LIDAR TARGET
251	2,049,329.56	6,765,207.36	168.17	MAG NAIL @ LIDAR TARGET
252	2,049,511.35	6,765,135.76	166.20	MAG NAIL @ LIDAR TARGET
253	2,049,727.12	6,764,572.49	160.26	MAG NAIL @ LIDAR TARGET
254	2,049,825.69	6,764,632.81	159.99	MAG NAIL @ LIDAR TARGET
255	2,050,032.89	6,764,068.58	155.61	MAG NAIL @ LIDAR TARGET

**PROJECT CONTROLS (CONT.)**

PT	NORTHING	EASTING	ELEV.	DESCRIPTION
256	2,050,144.90	6,764,126.48	153.57	MAG NAIL @ LIDAR TARGET
257	2,050,345.38	6,763,611.56	150.14	MAG NAIL @ LIDAR TARGET
258	2,050,447.53	6,763,683.21	147.86	MAG NAIL @ LIDAR TARGET
259	2,050,754.11	6,763,118.82	143.31	MAG NAIL @ LIDAR TARGET
260	2,050,838.86	6,763,246.93	141.07	MAG NAIL @ LIDAR TARGET
261	2,051,195.94	6,762,668.36	136.74	MAG NAIL @ LIDAR TARGET
262	2,051,215.35	6,762,919.44	133.45	MAG NAIL @ LIDAR TARGET
263	2,051,277.00	6,762,756.68	134.74	MAG NAIL @ LIDAR TARGET
264	2,051,582.09	6,762,308.11	129.39	MAG NAIL @ LIDAR TARGET
265	2,051,636.69	6,762,674.86	133.18	MAG NAIL @ LIDAR TARGET
266	2,051,724.83	6,762,261.33	129.98	MAG NAIL @ LIDAR TARGET
267	2,051,766.43	6,762,357.65	128.43	MAG NAIL @ LIDAR TARGET
268	2,051,892.07	6,761,923.54	126.96	MAG NAIL @ LIDAR TARGET
269	2,052,082.10	6,761,448.99	127.04	MAG NAIL @ LIDAR TARGET
270	2,052,126.14	6,760,980.85	128.01	MAG NAIL @ LIDAR TARGET
271	2,052,150.70	6,762,328.69	132.79	MAG NAIL @ LIDAR TARGET
272	2,052,206.28	6,761,938.73	126.98	MAG NAIL @ LIDAR TARGET
273	2,052,256.60	6,762,057.13	124.41	MAG NAIL @ LIDAR TARGET
274	2,052,265.29	6,761,061.51	127.34	MAG NAIL @ LIDAR TARGET
275	2,052,362.29	6,762,136.42	155.71	MAG NAIL @ LIDAR TARGET
276	2,052,431.42	6,762,299.69	156.26	MAG NAIL @ LIDAR TARGET
277	2,052,642.14	6,761,685.38	125.52	MAG NAIL @ LIDAR TARGET
278	2,052,838.34	6,761,721.18	123.38	MAG NAIL @ LIDAR TARGET
279	2,052,778.46	6,761,064.28	127.71	MAG NAIL @ LIDAR TARGET
280	2,053,100.46	6,761,400.06	121.92	MAG NAIL @ LIDAR TARGET
281	2,053,265.09	6,761,422.23	123.59	MAG NAIL @ LIDAR TARGET
282	2,053,297.23	6,761,519.32	121.84	MAG NAIL @ LIDAR TARGET

△G 1200

APPROVED FOR PROJECT CONTROL INFORMATION ONLY

**PROJECT CONTROL**  
NO SCALE

**PC-1**

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR DEMOLITIONS IN THIS AREA SEE SHEET L-12.
  - FOR HMA DIKE TRANSITION DETAILS, SEE SHEET C-4
  - CONSTRUCT VEGETATION CONTROL (MINOR CONCRETE) PER CALTRANS STANDARD PLAN A77N5, NOTE 1.

- LEGEND**
- CONTRASTING PAVEMENT
  - ANGLE POINT
  - BIOFILTRATION STRIP
  - TEMPORARY CONSTRUCTION EASEMENT
  - COLD PLANE Exist ASPHALT CONCRETE
  - CURVE NUMBER

**CURVE DATA**

No. @	R	Δ	T	L
2	175'	237° 39' 35"	317.93'	725.89'
3	6000'	1° 08' 00"	59.34'	118.68'
5	1100'	51° 48' 42"	534.27'	994.71'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	16	230

REGISTERED CIVIL ENGINEER DATE

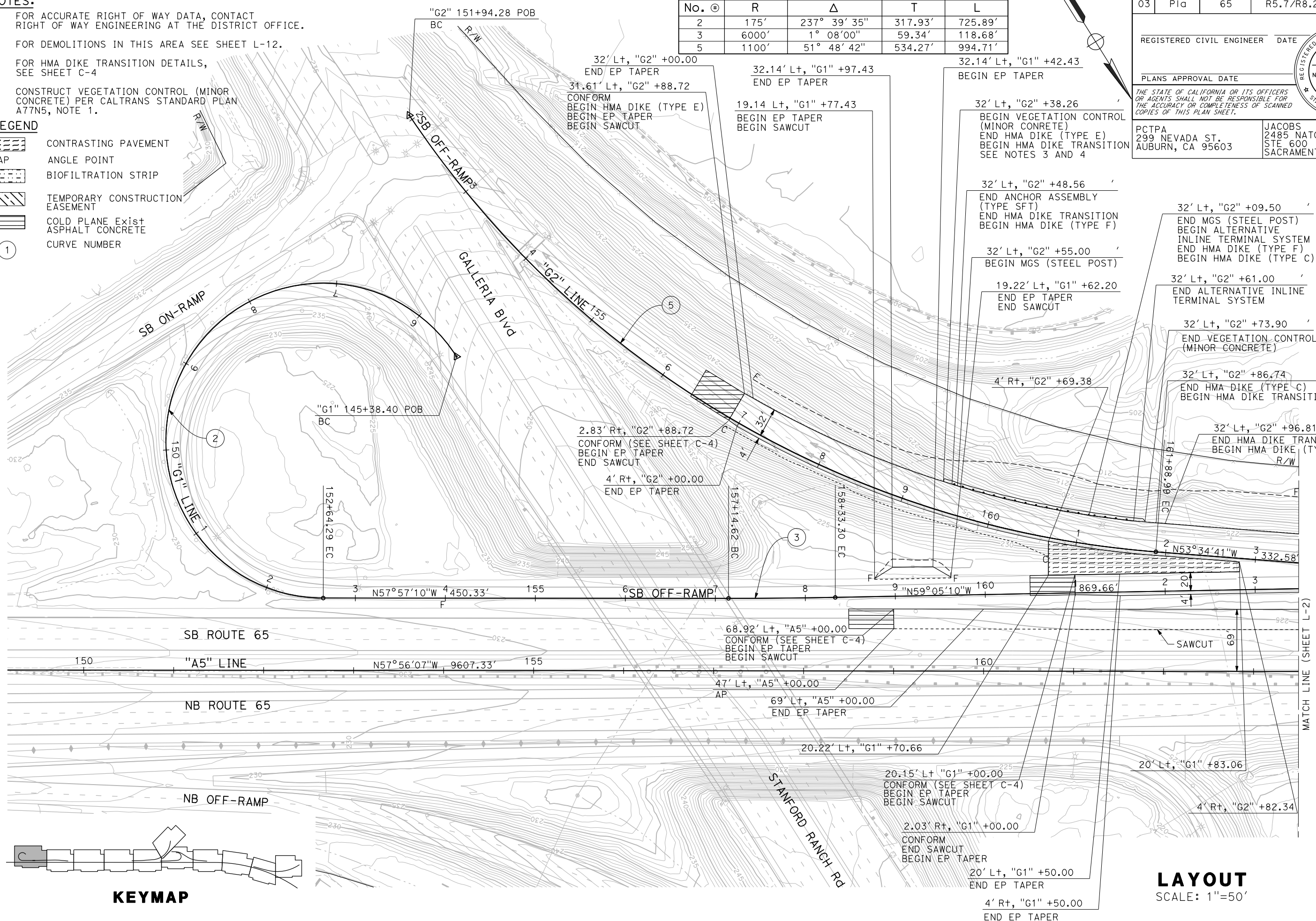
PLANS APPROVAL DATE

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AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833

**LAUREN C. REINKING**  
No. C 79949  
Exp. 9/30/20  
CIVIL  
STATE OF CALIFORNIA



**KEYMAP**

**LAYOUT**  
SCALE: 1"=50'

**L-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON

CALCULATED/DESIGNED BY: L. REINKING

CHECKED BY: G. MANOREK

REVISOR: G. MANOREK

DATE: 7/2/2010

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR DEMOLITIONS IN THIS AREA SEE SHEET L-13.
- FOR HMA DIKE TRANSITION DETAILS, SEE SHEET C-4
- CONSTRUCT VEGETATION CONTROL (MINOR CONCRETE) PER CALTRANS STANDARD PLAN A77N5, NOTE 1.

**CURVE DATA**

No. @	R	Δ	T	L
4	1910.00'	6°00'08"	100.14'	200.09'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	17	230

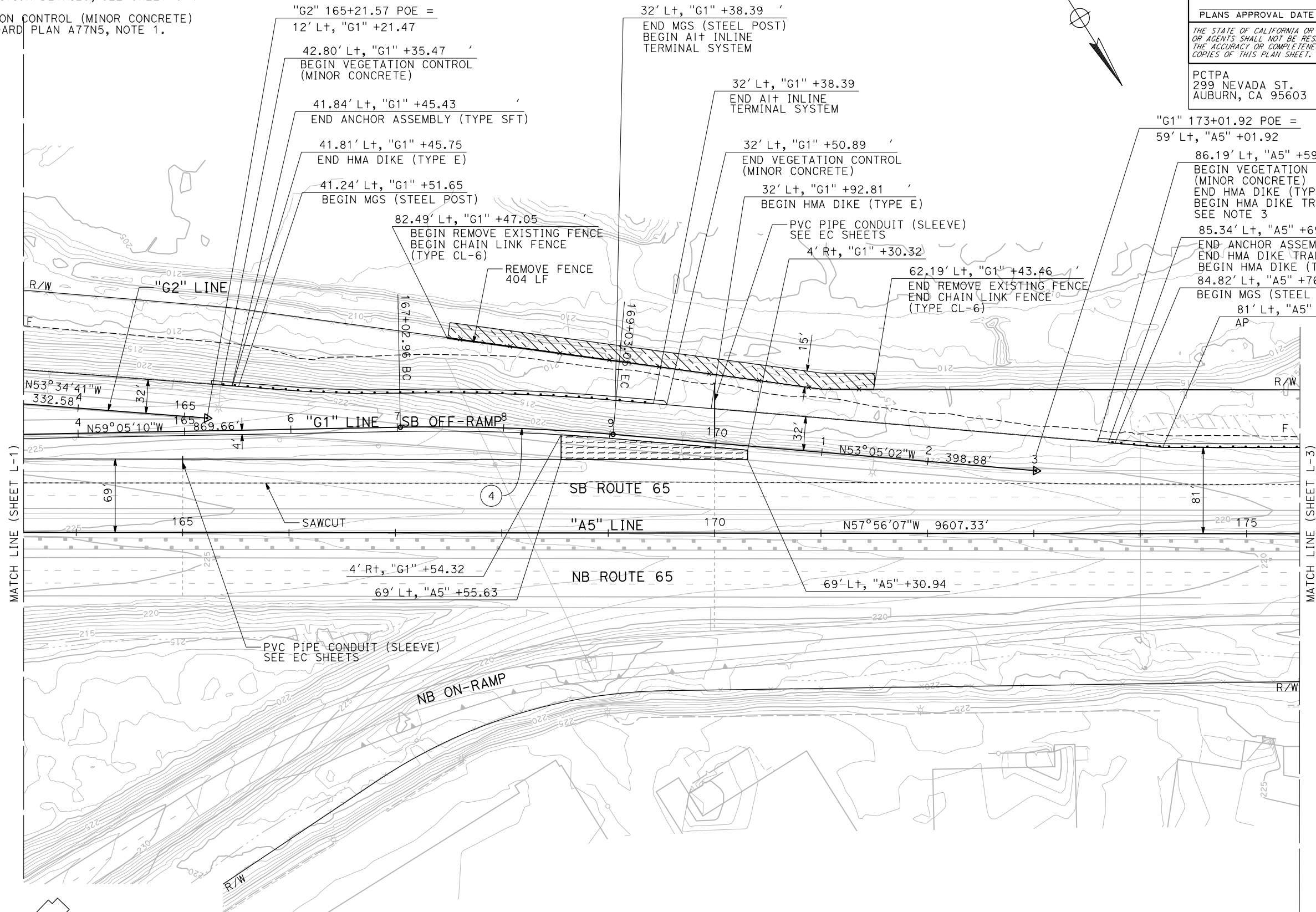
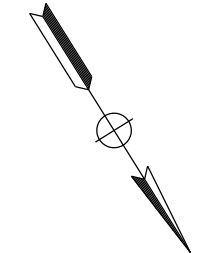
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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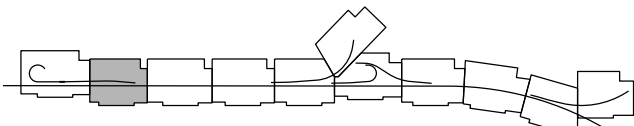
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JACOBS  
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STE 600  
SACRAMENTO, CA 95833



MATCH LINE (SHEET L-1)

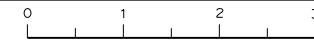
MATCH LINE (SHEET L-3)



**KEYMAP**

**LAYOUT**  
SCALE: 1"=50'

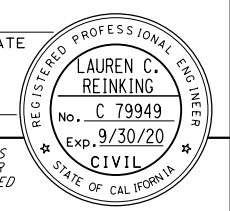
**L-2**





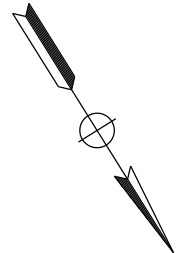
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	18	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 AUBURN, CA 95603

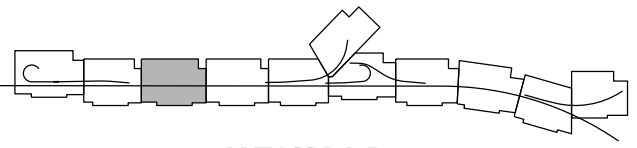
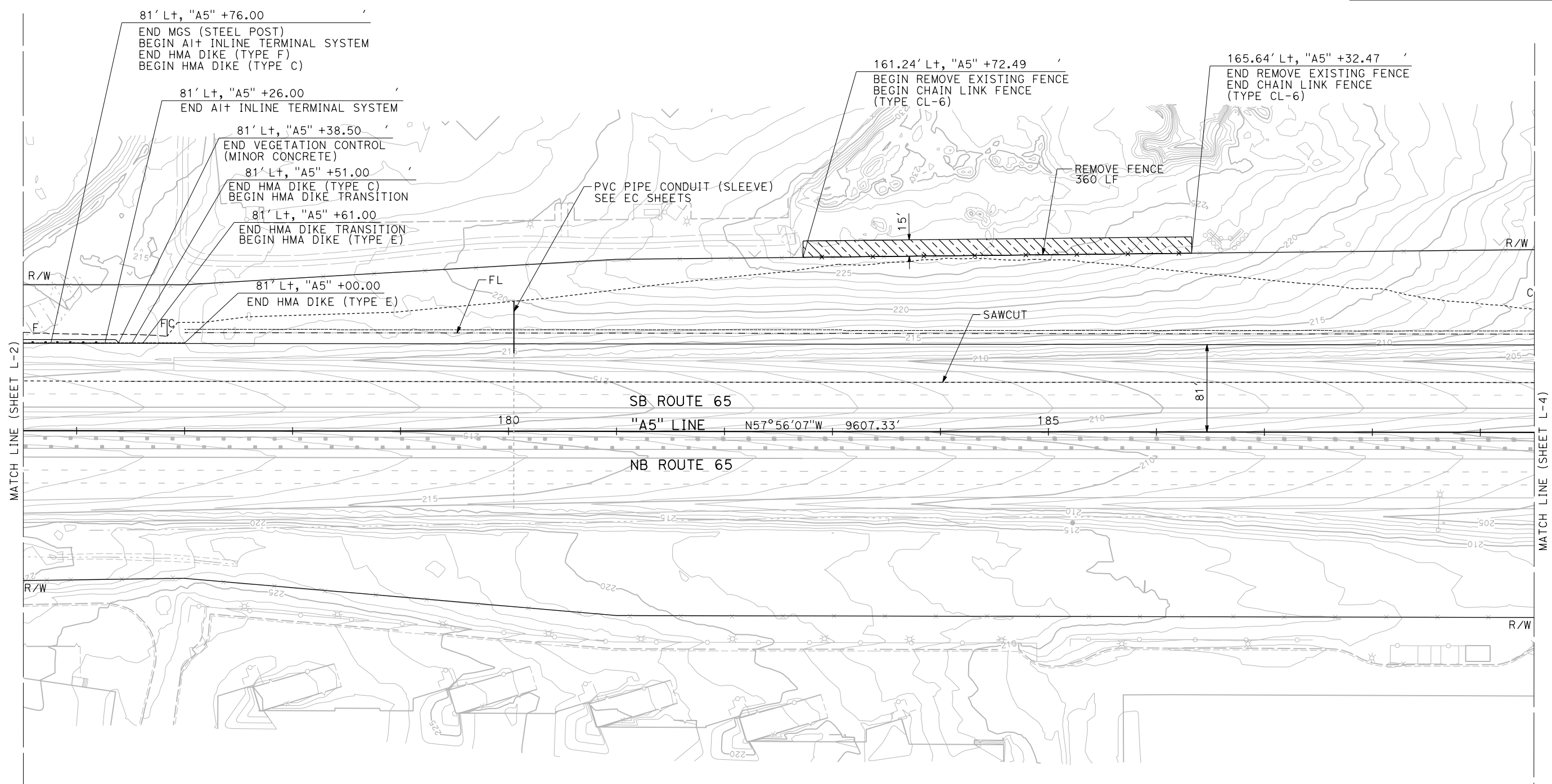
JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR DEMOLITIONS IN THIS AREA SEE SHEET L-14.
  - FOR HMA DIKE TRANSITION DETAILS, SEE SHEET C-4
  - CONSTRUCT VEGETATION CONTROL (MINOR CONCRETE) PER CALTRANS STANDARD PLAN A77N5, NOTE 1.
  - HMA DITCH LIMITS ARE SHOWN ON THE D-SHEETS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Caltrans®

CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING  
 CHECKED BY: G. MANOREK  
 REVISED BY: \_\_\_\_\_ DATE REVISED: \_\_\_\_\_



**LAYOUT**  
 SCALE: 1"=50'

**L-3**

LAST REVISION DATE PLOTTED => 24-JUL-2020  
 00-00-00 TIME PLOTTED => 13:09



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR DEMOLITIONS IN THIS AREA SEE SHEET L-15.
  - FOR HMA DIKE TRANSITION DETAILS, SEE SHEET C-4
  - CONSTRUCT VEGETATION CONTROL (MINOR CONCRETE) PER CALTRANS STANDARD PLAN A77N5, NOTE 1.
  - HMA DITCH LIMITS ARE SHOWN ON THE D-SHEETS.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	19	230

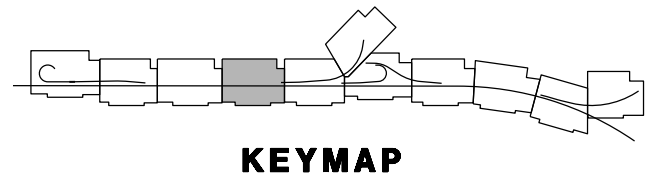
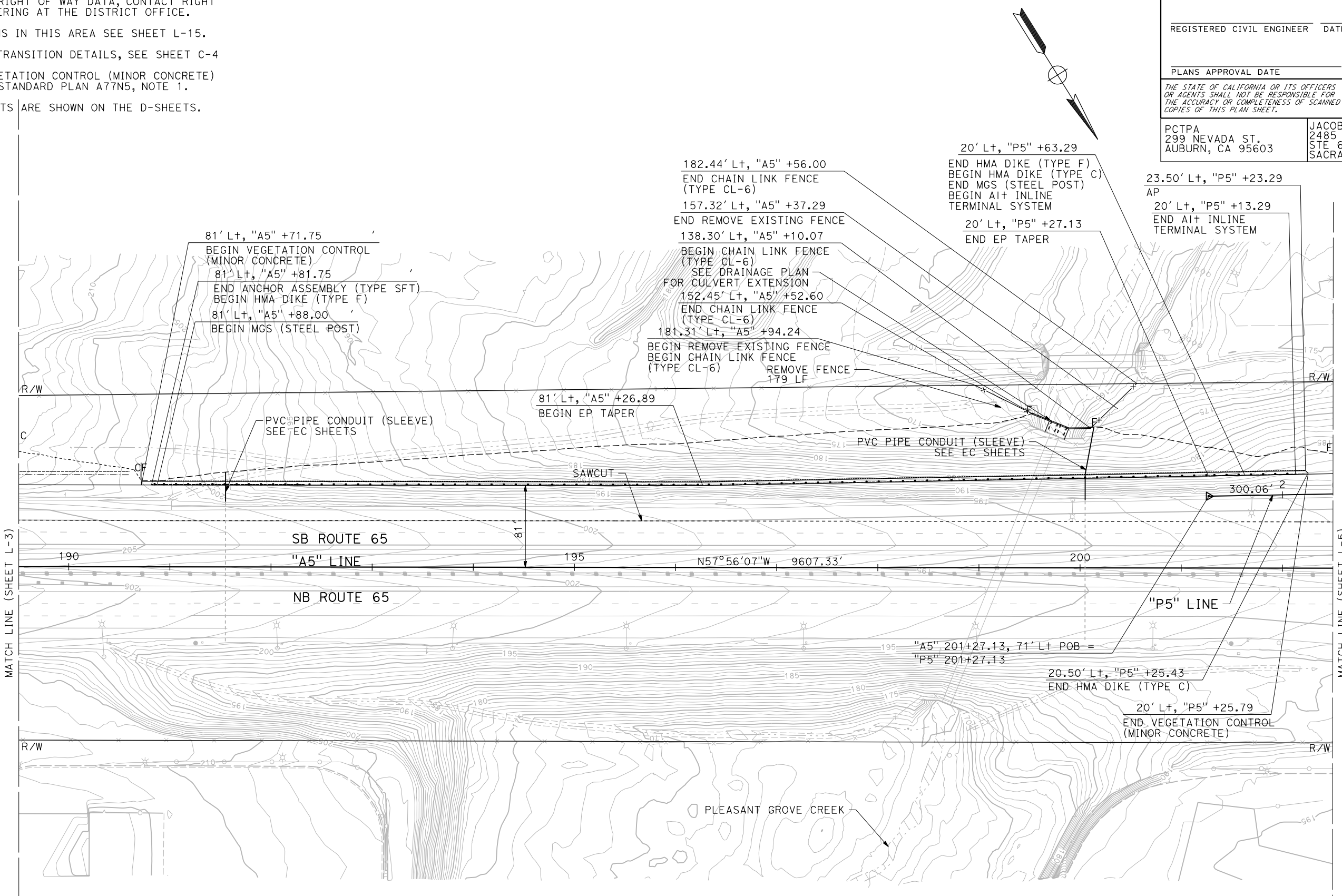
REGISTERED CIVIL ENGINEER DATE: \_\_\_\_\_  
 PLANS APPROVAL DATE: \_\_\_\_\_

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.

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 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

**REGISTERED PROFESSIONAL ENGINEER**  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA



**LAYOUT**  
 SCALE: 1"=50'  
**L-4**

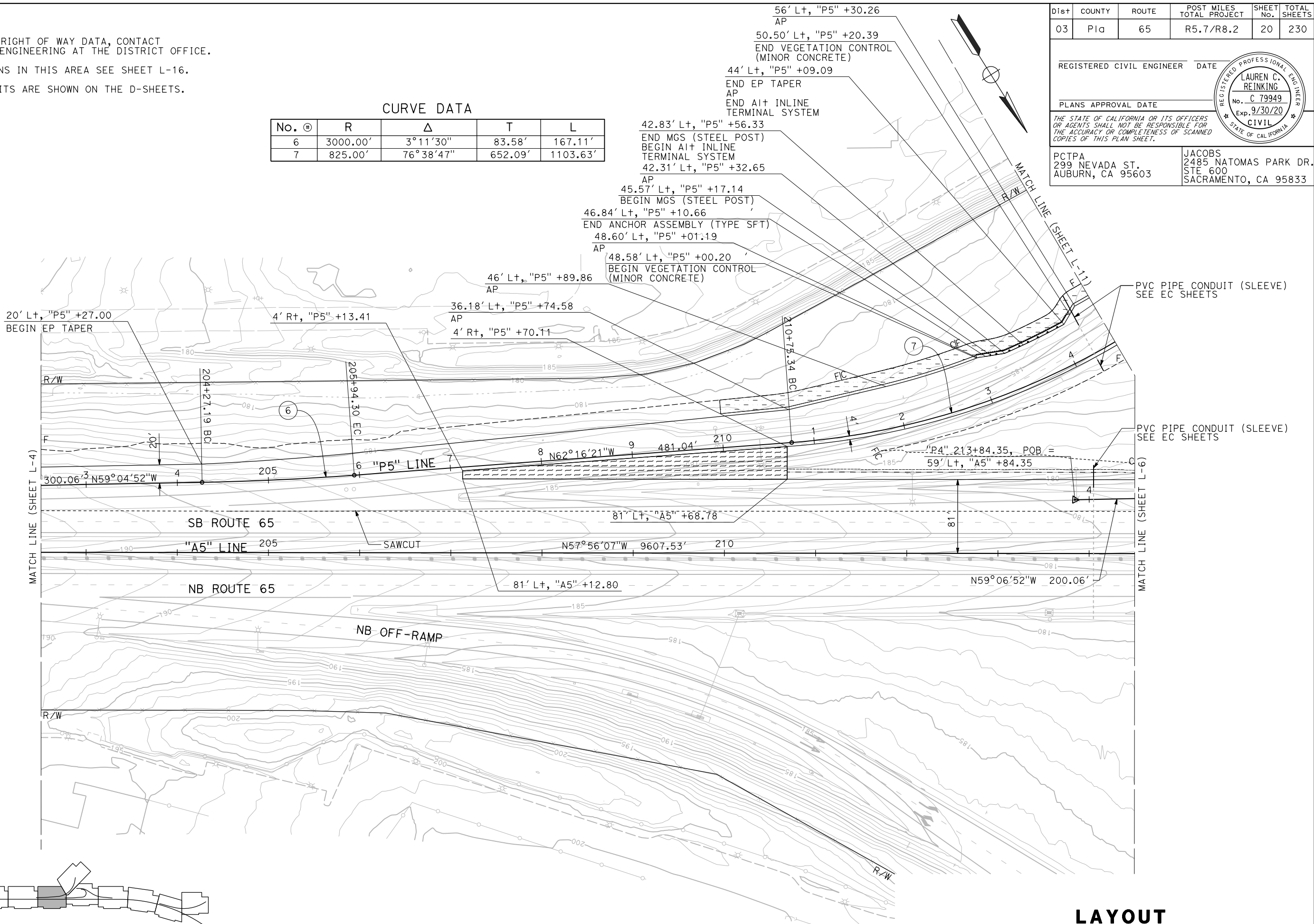
LAST REVISION DATE PLOTTED => 24-JUL-2020  
 00-00-00 TIME PLOTTED => 13:09

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR DEMOLITIONS IN THIS AREA SEE SHEET L-16.
- HMA DITCH LIMITS ARE SHOWN ON THE D-SHEETS.

**CURVE DATA**

No. @	R	Δ	T	L
6	3000.00'	3°11'30"	83.58'	167.11'
7	825.00'	76°38'47"	652.09'	1103.63'



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	20	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

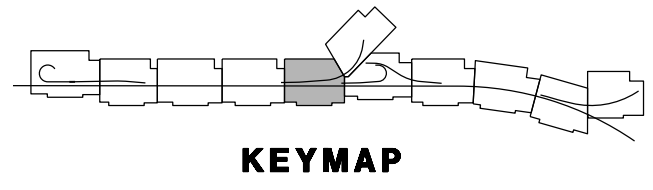
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**REGISTERED PROFESSIONAL ENGINEER**  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: G. MANOREK  
 L. REINKING  
 REVISED BY: DATE REVISION



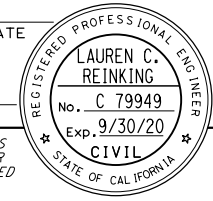
**LAYOUT**  
 SCALE: 1"=50'  
**L-5**

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:09



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	22	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



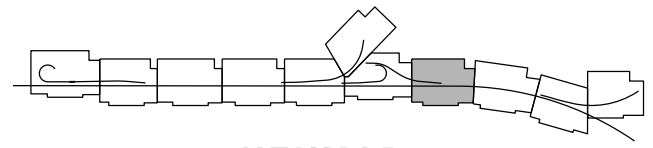
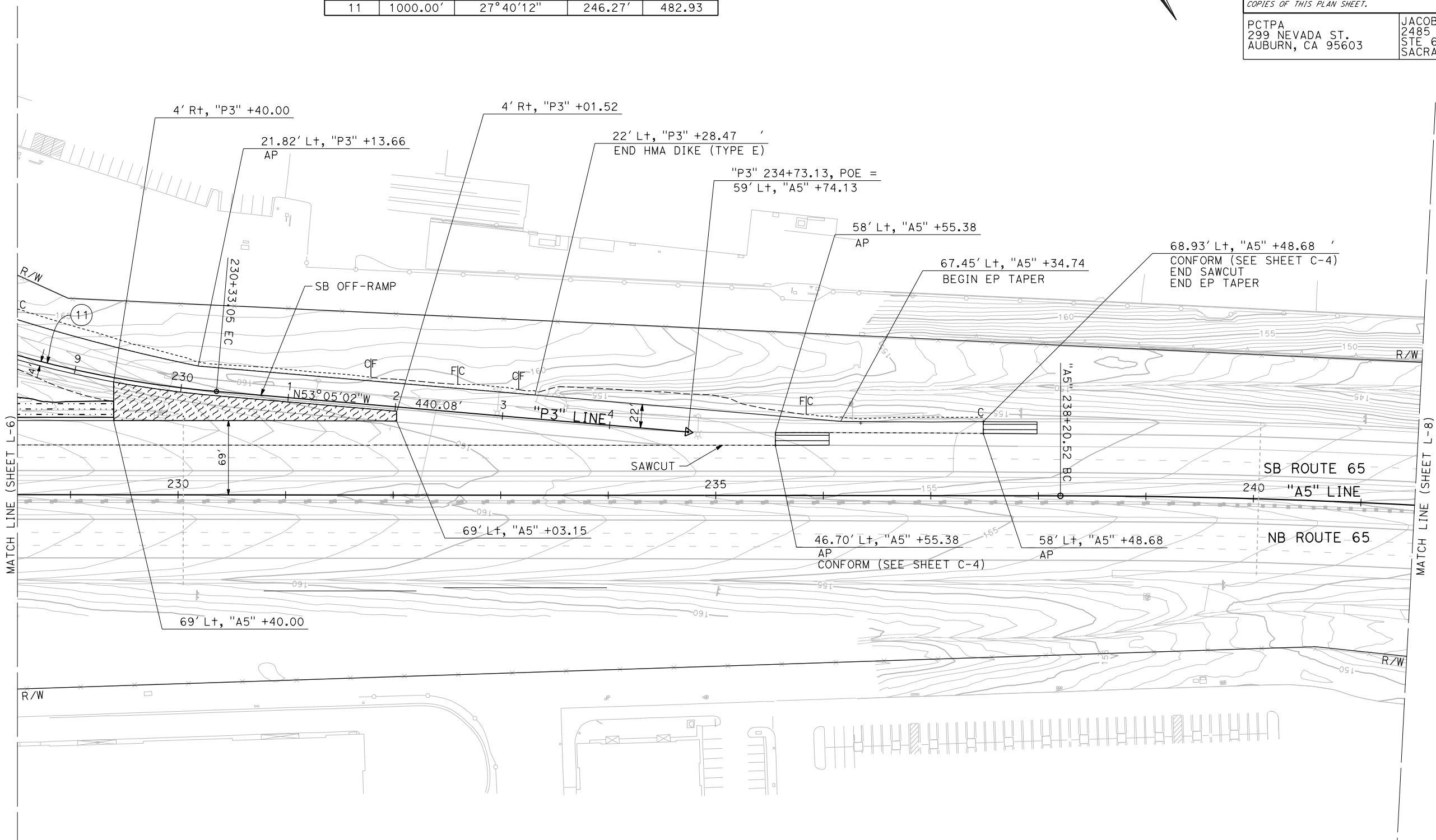
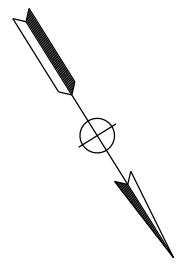
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR DEMOLITIONS IN THIS AREA SEE SHEET L-18.

**CURVE DATA**

No. @	R	Δ	T	L
11	1000.00'	27°40'12"	246.27'	482.93



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING  
 CHECKED BY: G. MANOREK  
 REVISED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_

USERNAME => pwsvc  
 DGN FILE => 031F1701ea007.dgn

RELATIVE BORDER SCALE IS IN INCHES  
 0 1 2 3

UNIT 0303

PROJECT NUMBER & PHASE 0320000055 03-1F1714

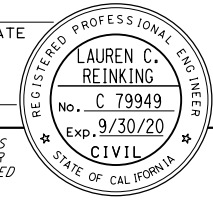
**LAYOUT**  
 SCALE: 1"=50'

**L-7**

LAST REVISION DATE PLOTTED => 24-JUL-2020  
 00-00-00 TIME PLOTTED => 13:09

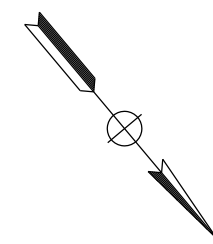
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	23	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



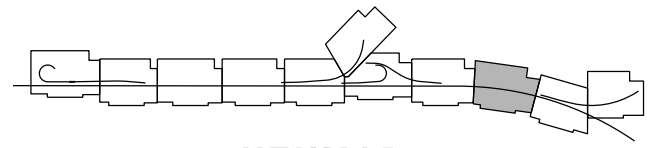
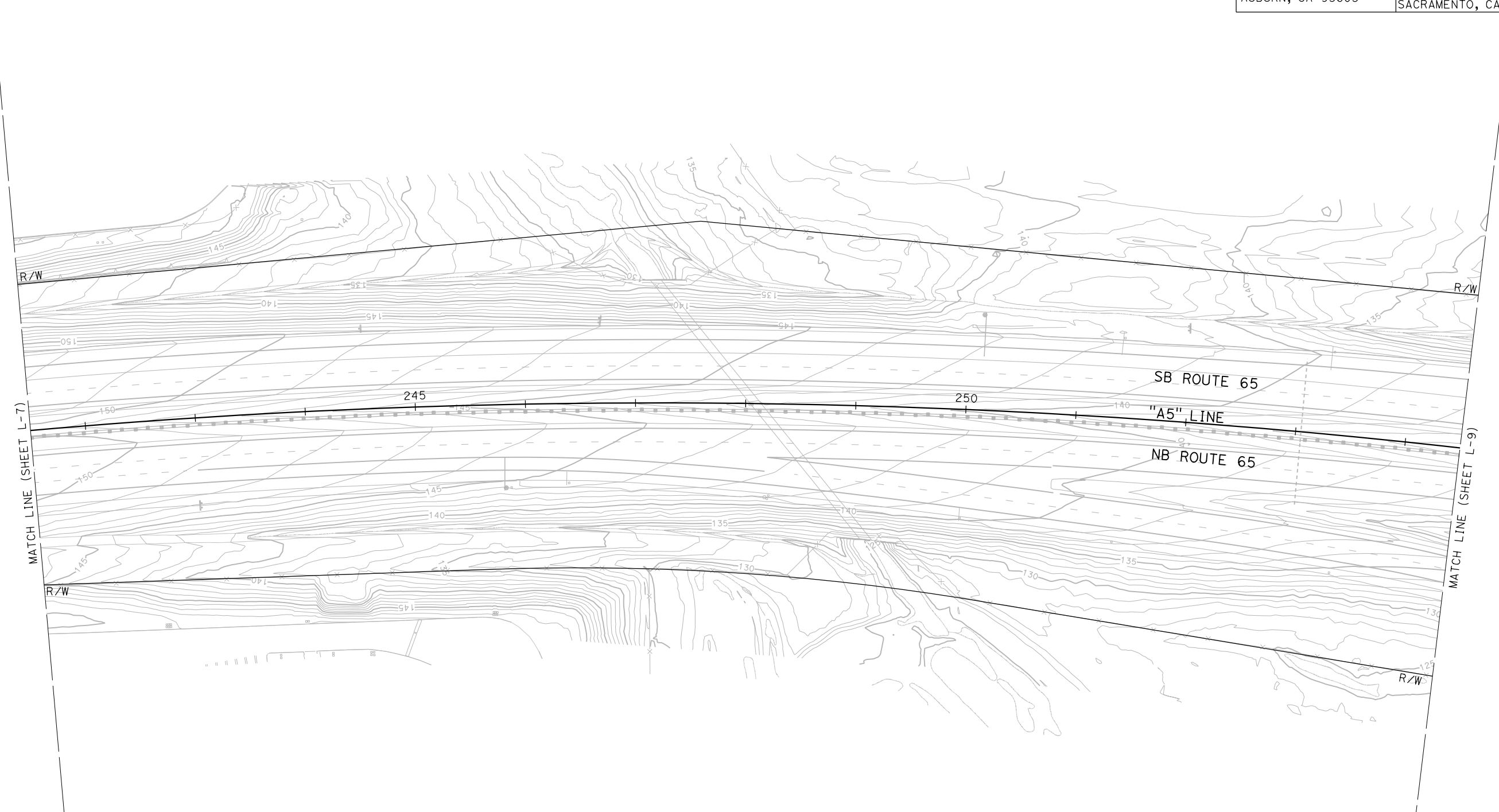
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		L. REINKING	REVISOR
		G. MANOREK	DATE



**KEYMAP**

**LAYOUT**  
 SCALE: 1"=50'

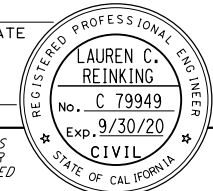
**L-8**

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:09



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	24	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



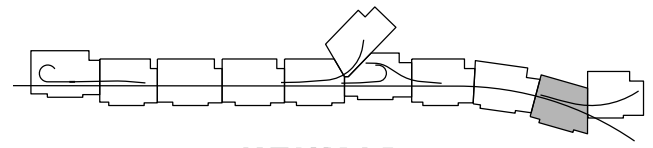
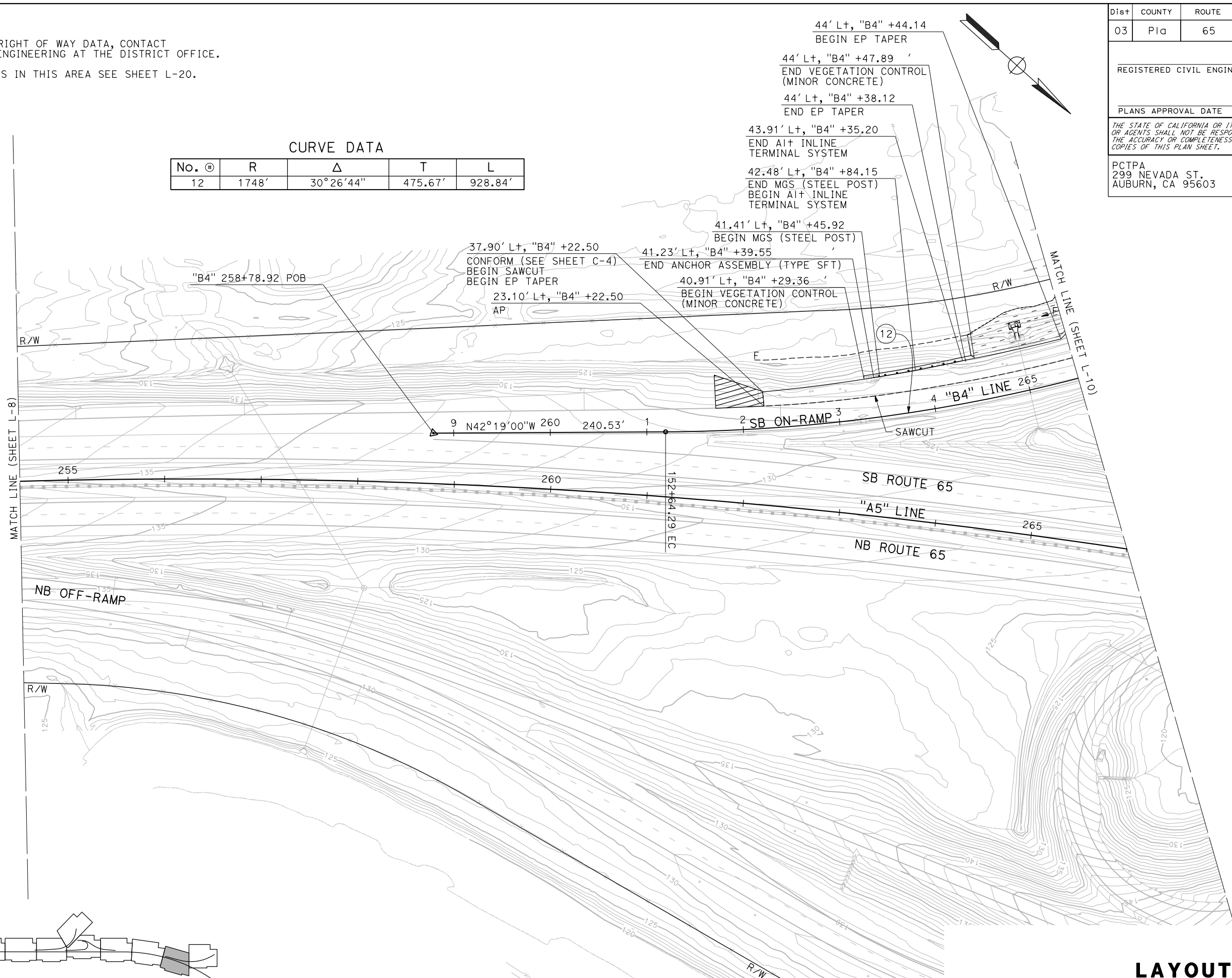
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR DEMOLITIONS IN THIS AREA SEE SHEET L-20.

**CURVE DATA**

No. Ⓢ	R	Δ	T	L
12	1748'	30°26'44"	475.67'	928.84'



**LAYOUT**  
 SCALE: 1"=50'

**L-9**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et-Caltans  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: G. MANOREK  
 L. REINKING  
 G. MANOREK  
 REVISED BY: DATE  
 DATE REVISED:

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

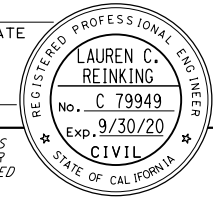
- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR DEMOLITIONS IN THIS AREA SEE SHEET L-21.

**CURVE DATA**

No. @	R	Δ	T	L
13	3012'	5°03'11"	132.91'	265.64'
14	1236'	11°24'33"	123.47'	246.12'

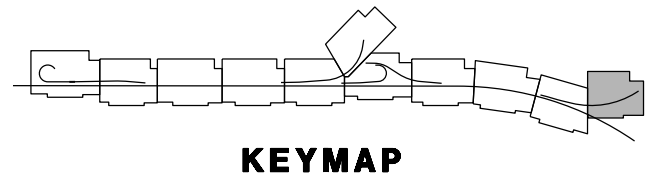
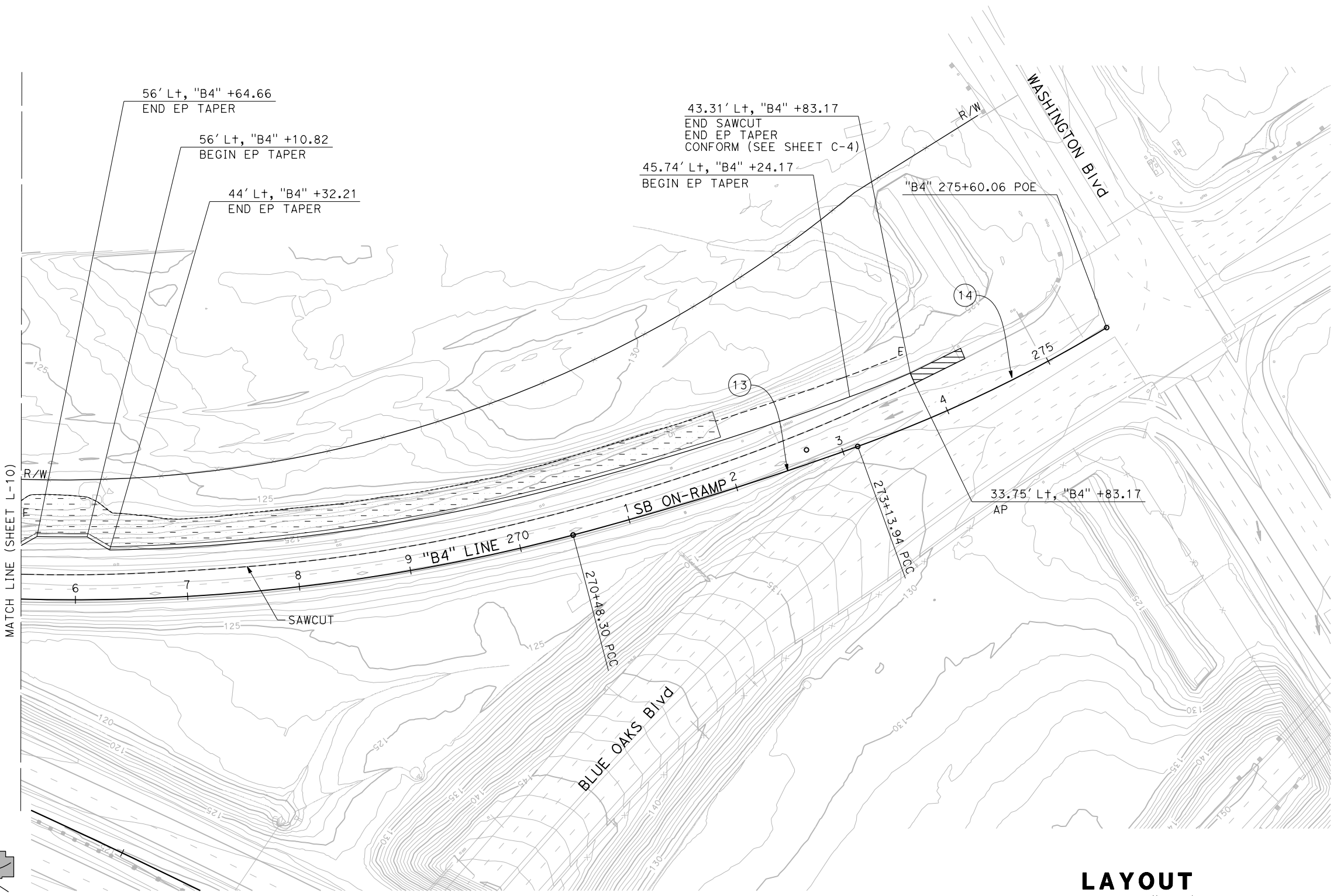
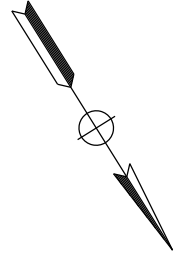
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	25	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

  
 LAUREN C. REINKING  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

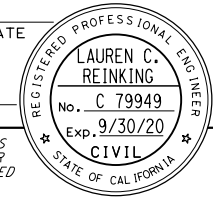


**LAYOUT**  
 SCALE: 1"=50'  
**L-10**

LAST REVISION DATE PLOTTED => 24-JUL-2020  
 00-00-00 TIME PLOTTED => 13:09

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	26	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



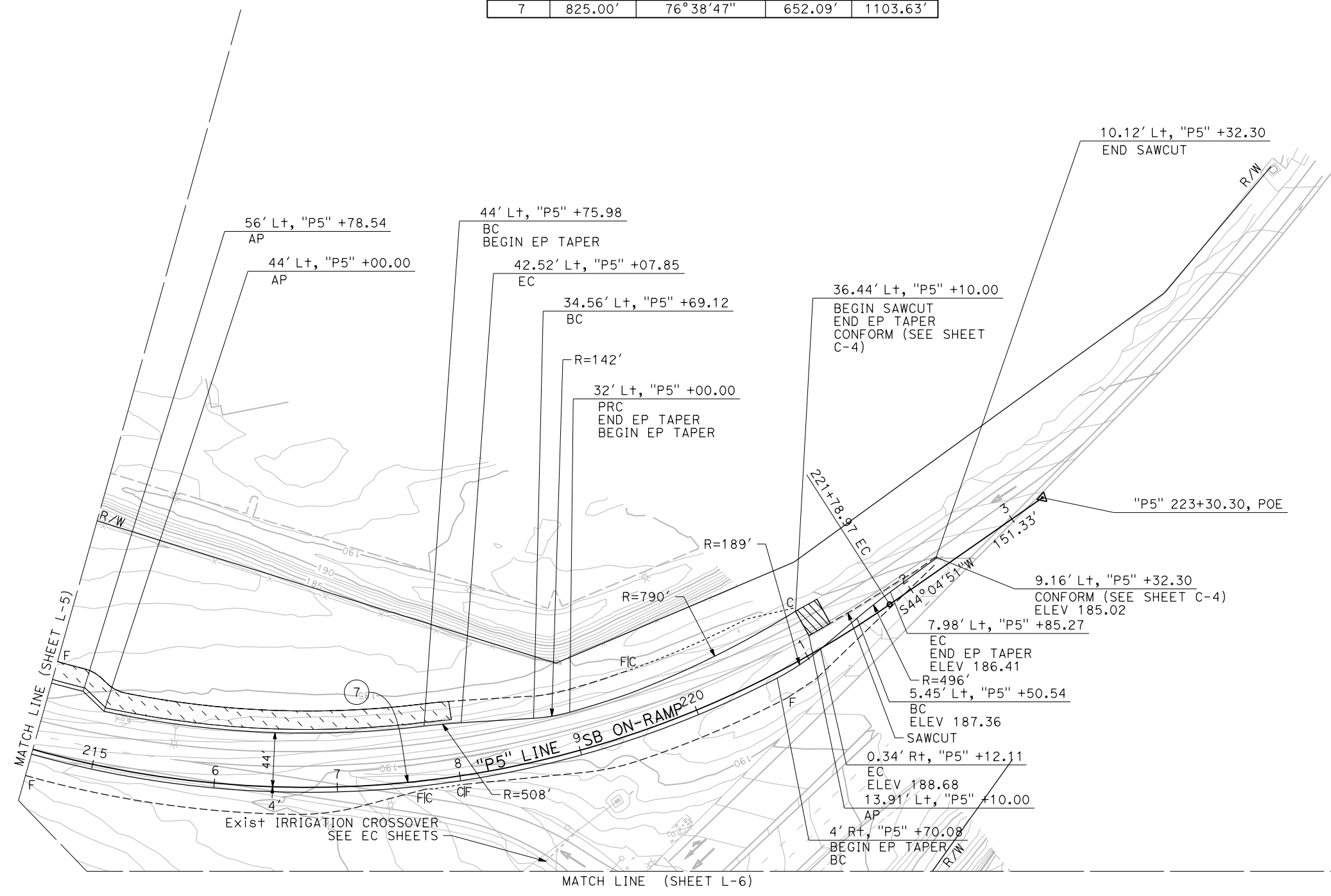
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - FOR DEMOLITION IN THIS AREA SEE SHEET L-22.

**CURVE DATA**

No. Ⓡ	R	Δ	T	L
7	825.00'	76°38'47"	652.09'	1103.63'



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Caltans

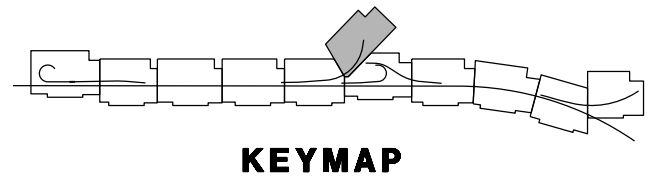
REVISOR BY DATE

L. REINKING G. MANOREK

CALCULATED-DESIGNED BY CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR C. BENSON

DEPARTMENT OF TRANSPORTATION



**LAYOUT**  
 SCALE: 1"=50'

**L-11**



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	27	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



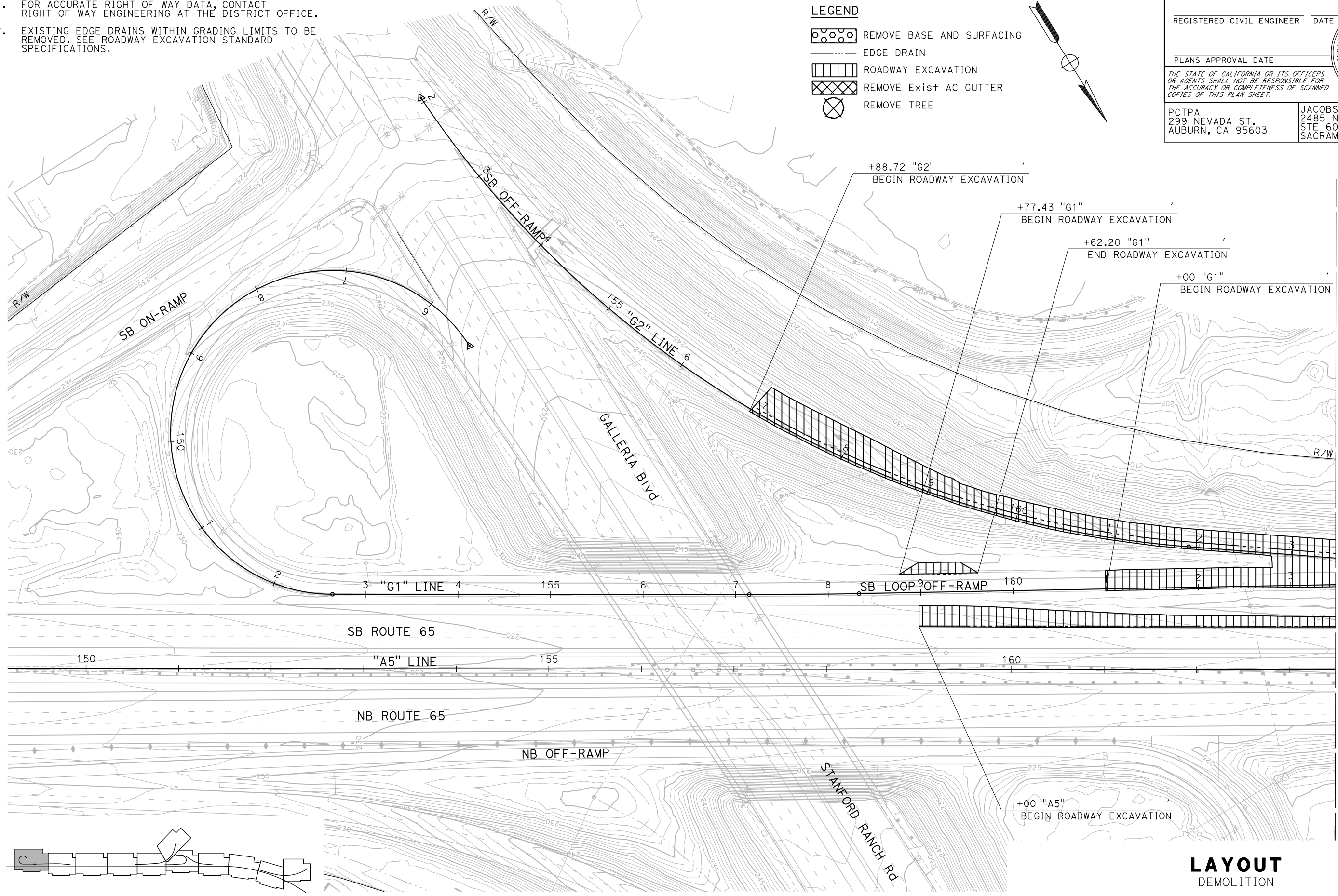
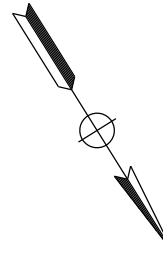
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603  
 JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

**NOTES:**

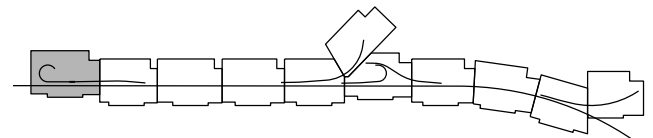
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

**LEGEND**

- REMOVE BASE AND SURFACING
- EDGE DRAIN
- ROADWAY EXCAVATION
- REMOVE EXIST AC GUTTER
- REMOVE TREE



**KEYMAP**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	L. NOWLAKHA	
	CHECKED BY	G. MANOREK	DATE REVISOR

MATCH LINE (SHEET L-13)

**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

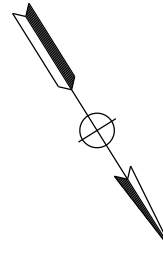
**L-12**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	28	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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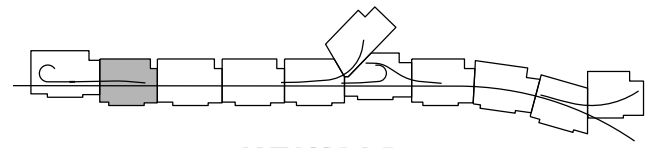
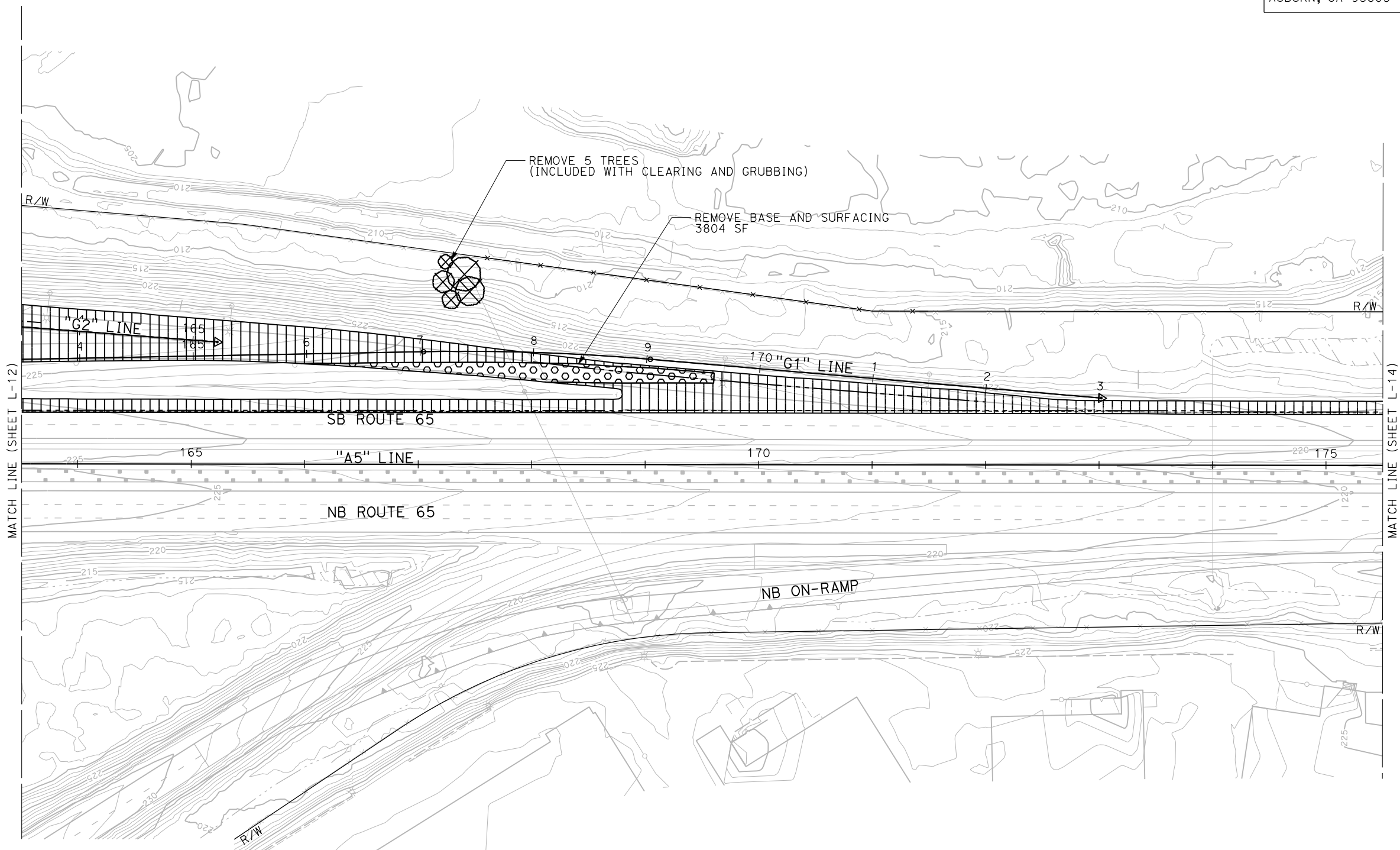


PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603  
 JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.
  - LOCATION OF EXISTING TREES ARE APPROXIMATE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		L. NOWLAKHA	REVISOR
		G. MANOREK	DATE



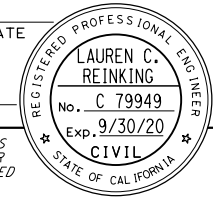
**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

**L-13**

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:15

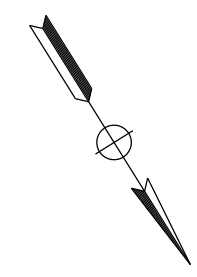
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	29	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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PCTPA  
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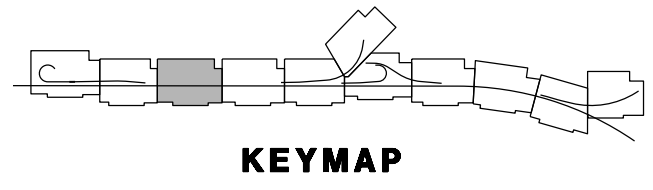
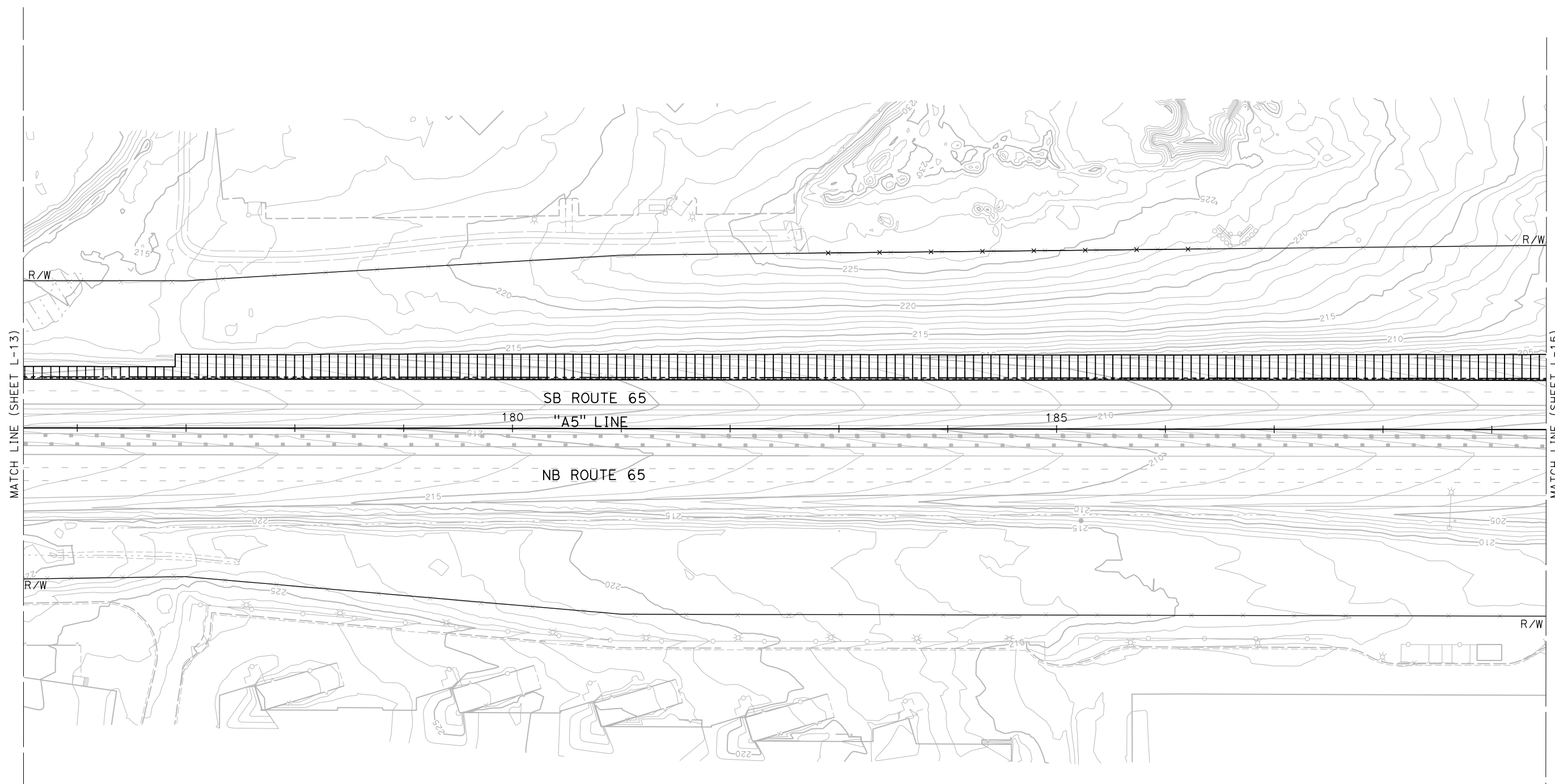
JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		L. REINKING	REVISOR
		G. MANOREK	DATE



**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

**L-14**

LAST REVISION DATE PLOTTED => 24-JUL-2020  
 00-00-00 TIME PLOTTED => 13:10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ]  
 DATE REVISED: [ ]

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	30	230

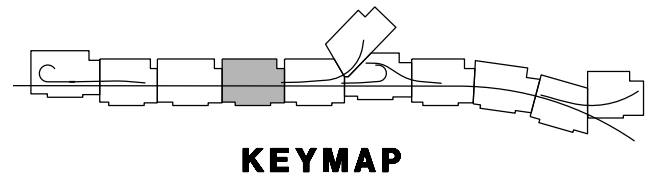
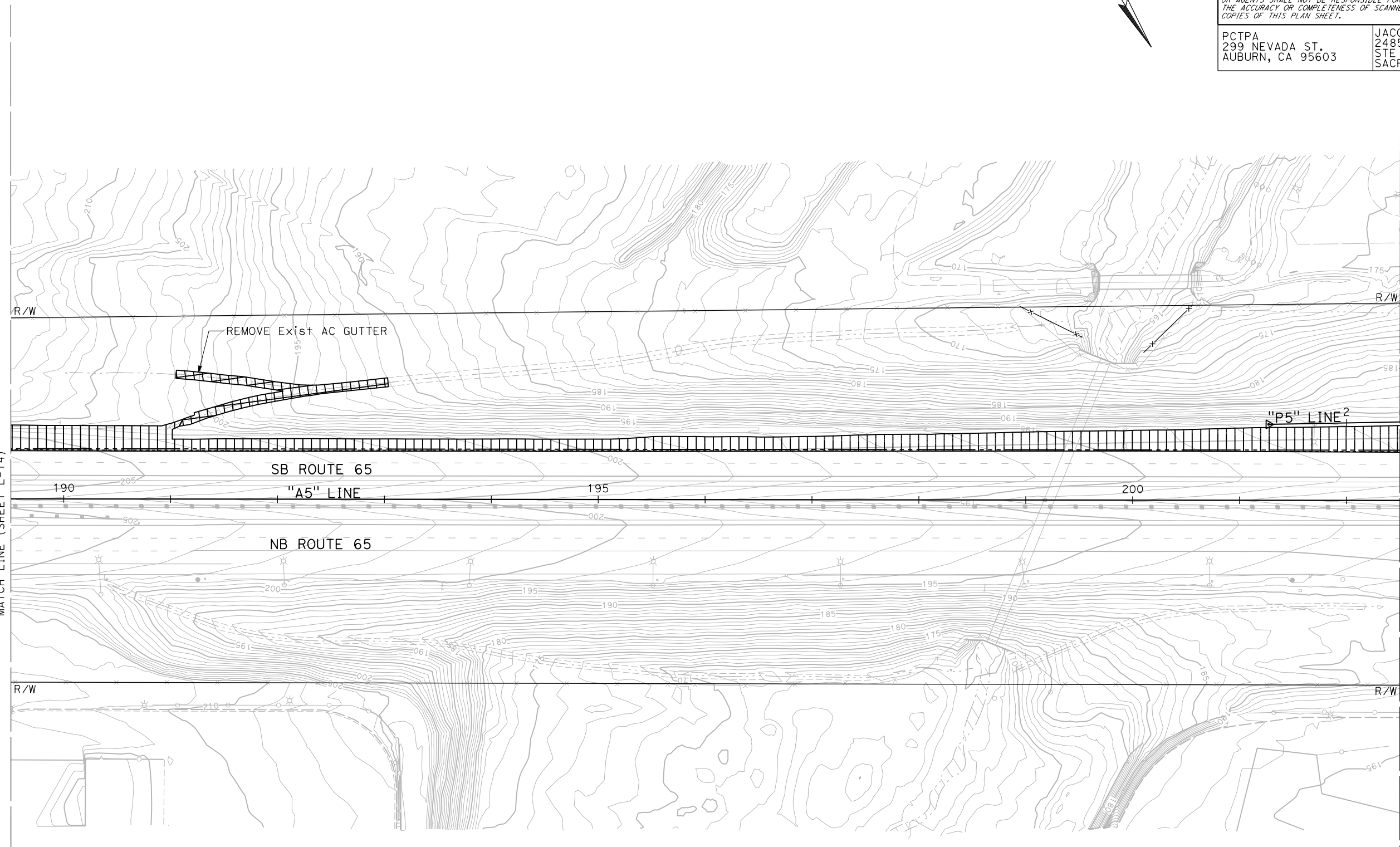
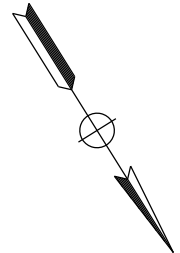
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

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.

PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

**L-15**

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:10

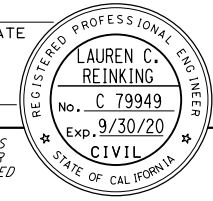
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. NOWLAKHA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

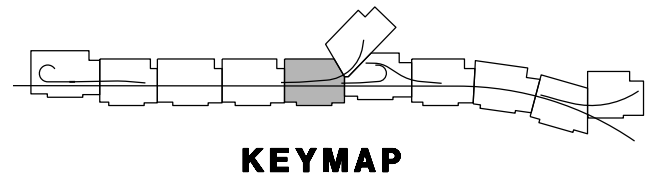
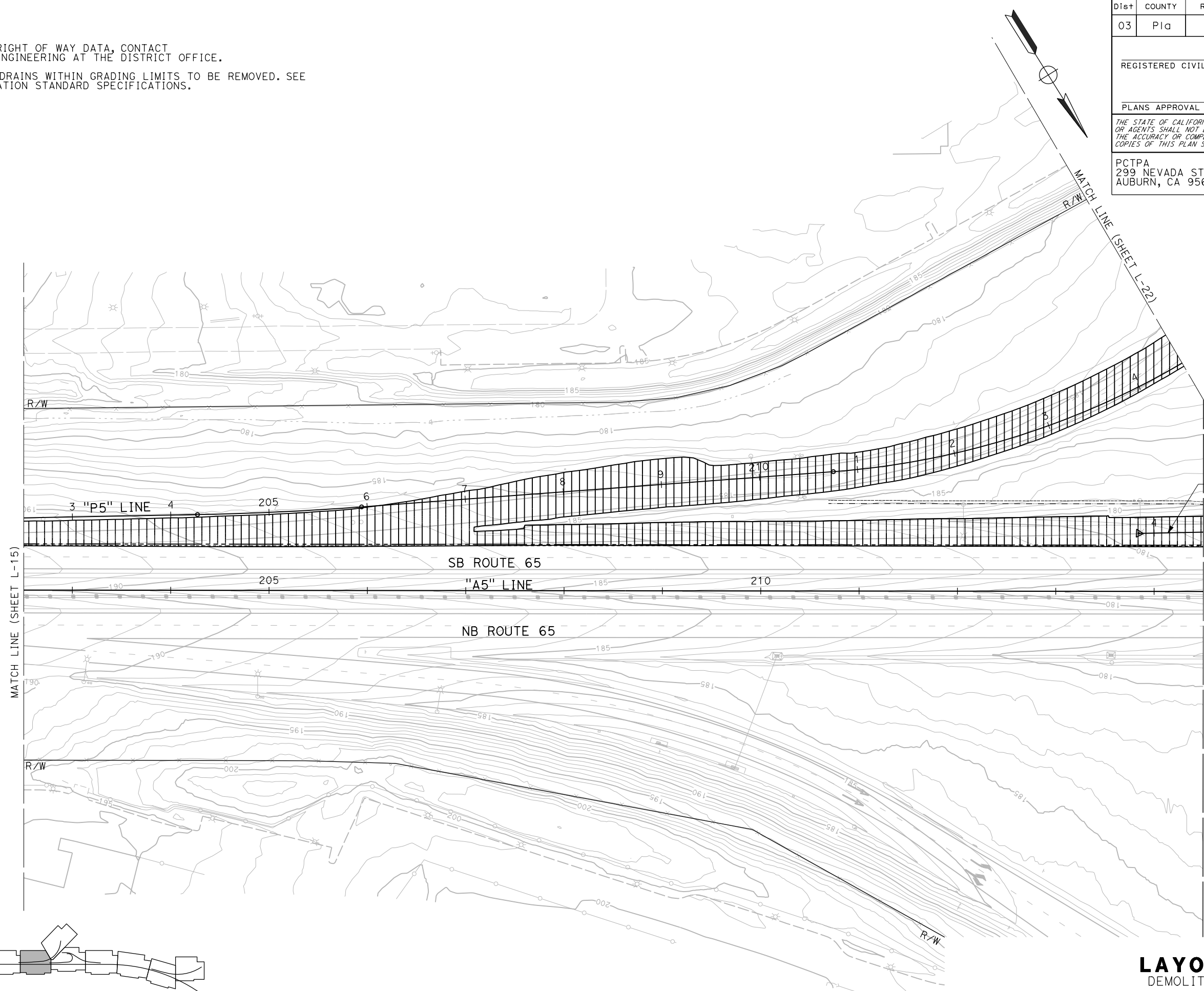
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	31	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

**L-16**

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:10



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	32	230

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

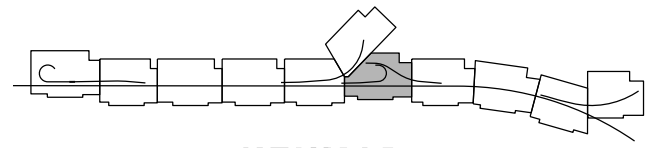
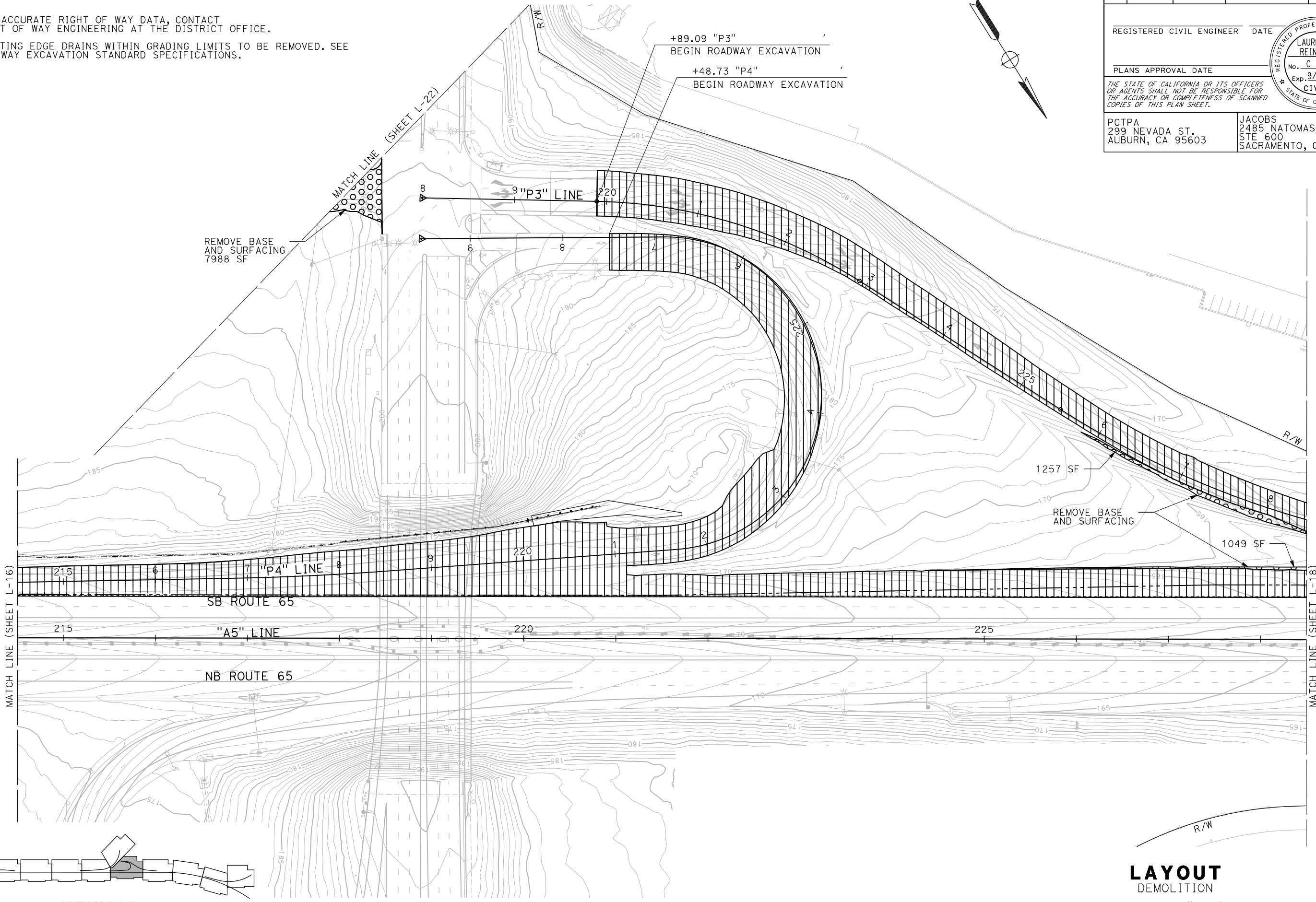
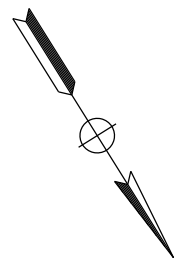
PLANS APPROVAL DATE \_\_\_\_\_

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.



PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833



**KEYMAP**

**LAYOUT**  
DEMOLITION  
SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		L. NOWLAKHA	DATE
		G. MANOREK	REVISOR

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. NOWLAKHA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

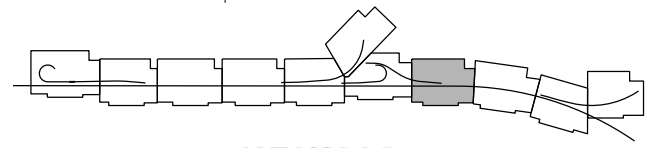
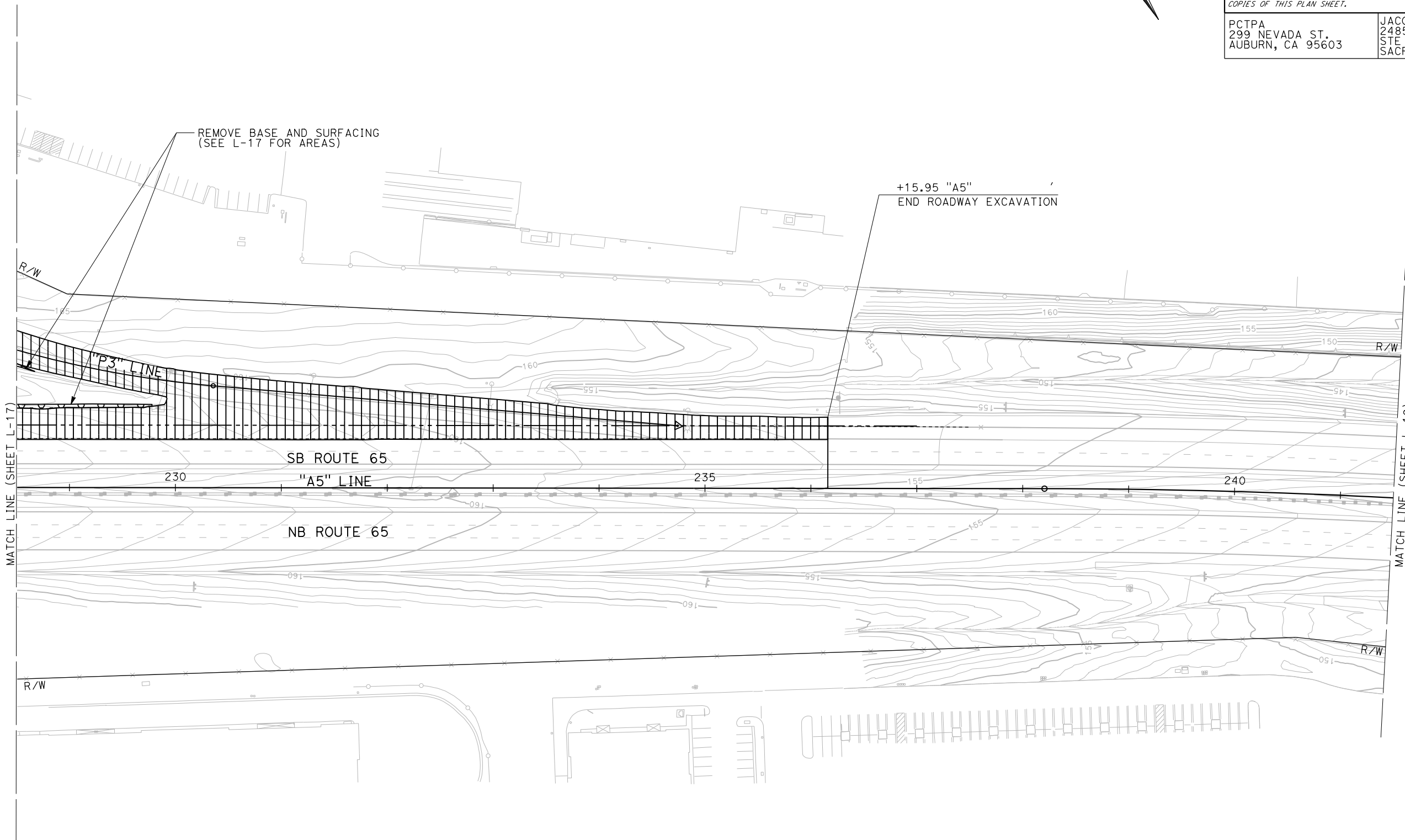
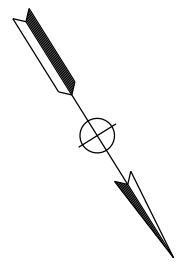
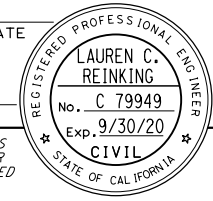
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	33	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.

PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



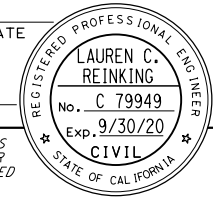
**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

**L-18**

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:10

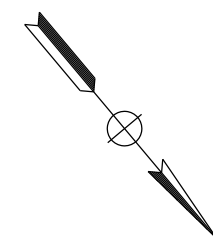
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	34	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

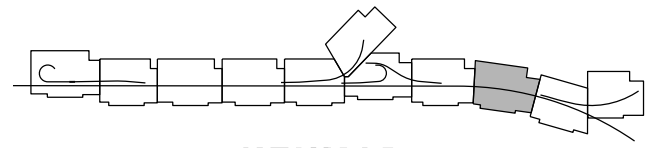
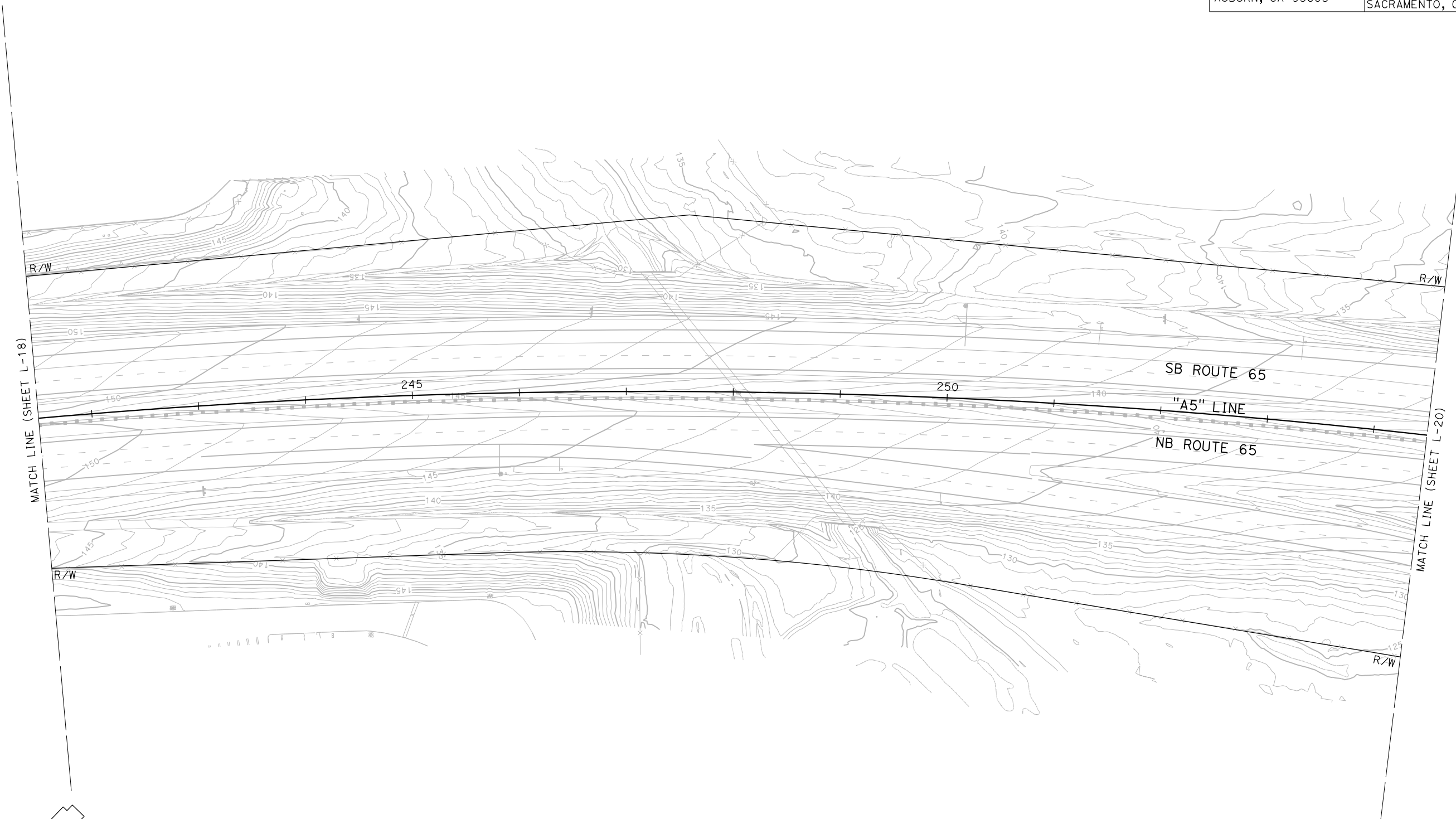
JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		L. REINKING	REVISOR
		G. MANOREK	DATE



**KEYMAP**

**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

**L-19**

LAST REVISION DATE PLOTTED => 24-JUL-2020  
 00-00-00 TIME PLOTTED => 13:10



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	35	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.

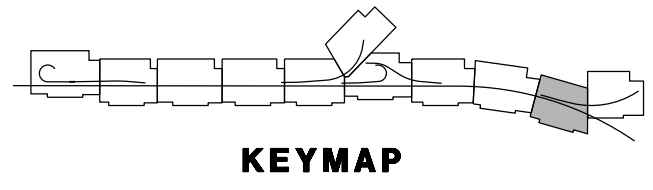


PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.



**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

**L-20**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		L. REINKING	REVISOR
		G. MANOREK	DATE

BORDER LAST REVISED 7/2/2010

USERNAME => pwsvc  
 DGN FILE => 031F1701ea020.dgn

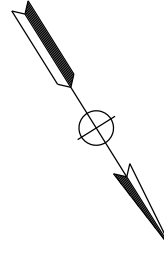
RELATIVE BORDER SCALE IS IN INCHES

UNIT 0303

PROJECT NUMBER & PHASE 0320000055 03-1F1714

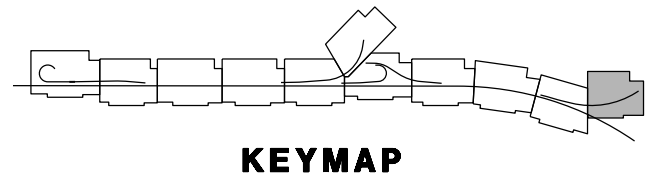
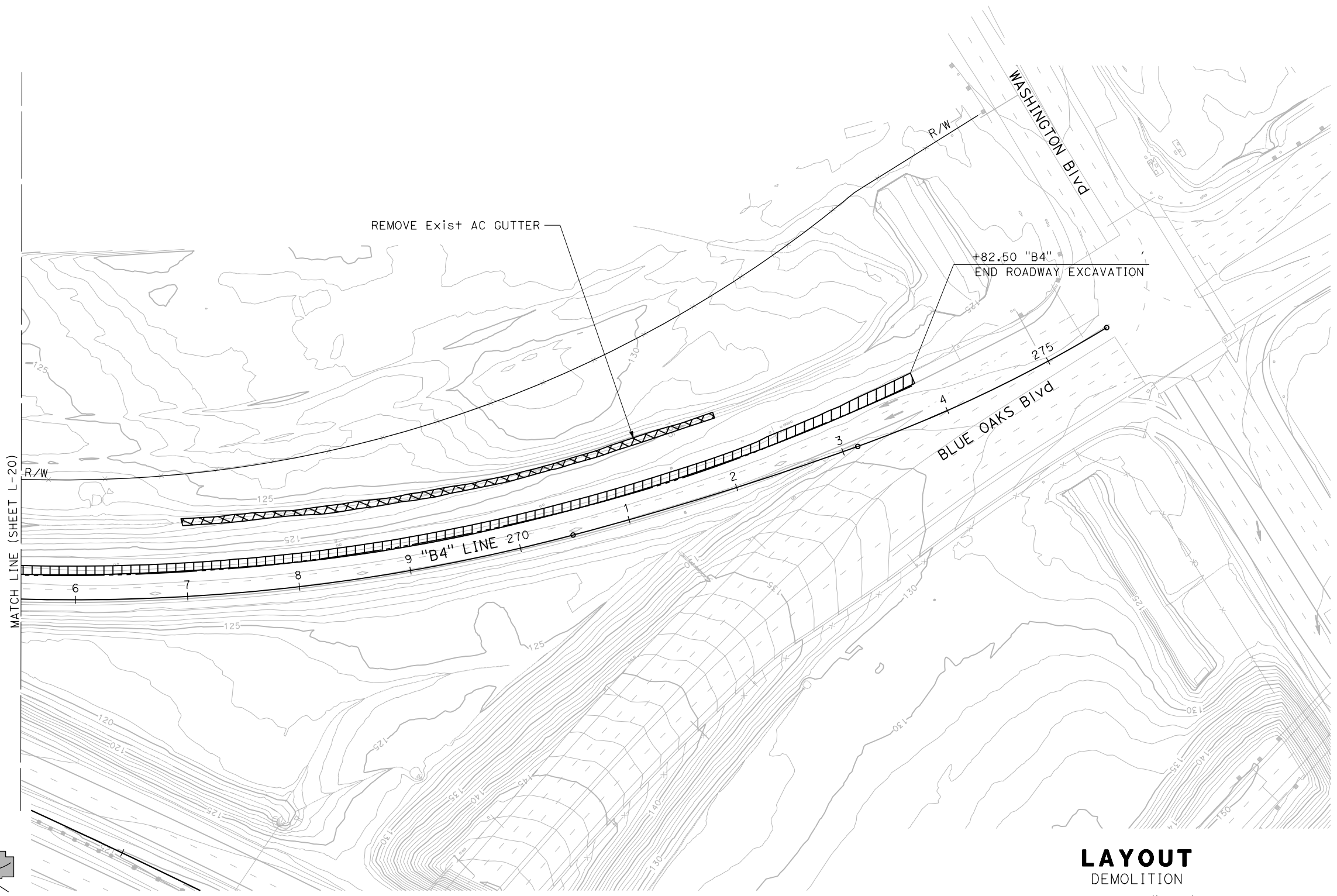
LAST REVISION DATE PLOTTED => 24-JUL-2020  
 00-00-00 TIME PLOTTED => 13:15

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	36	230
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE		<small>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.</small>			
PCTPA 299 NEVADA ST. AUBURN, CA 95603		JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833			



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
	C. BENSON	CHECKED BY	DATE
		L. REINKING	DATE
		G. MANOREK	REVISOR



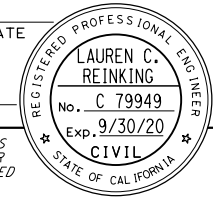
**LAYOUT**  
DEMOLITION  
SCALE: 1"=50'

**L-21**

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:10

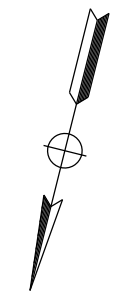
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	37	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



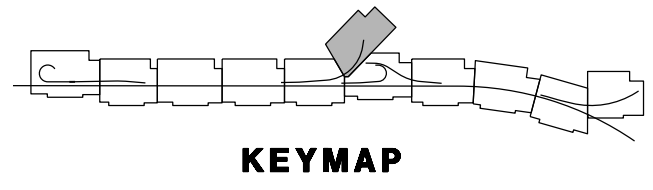
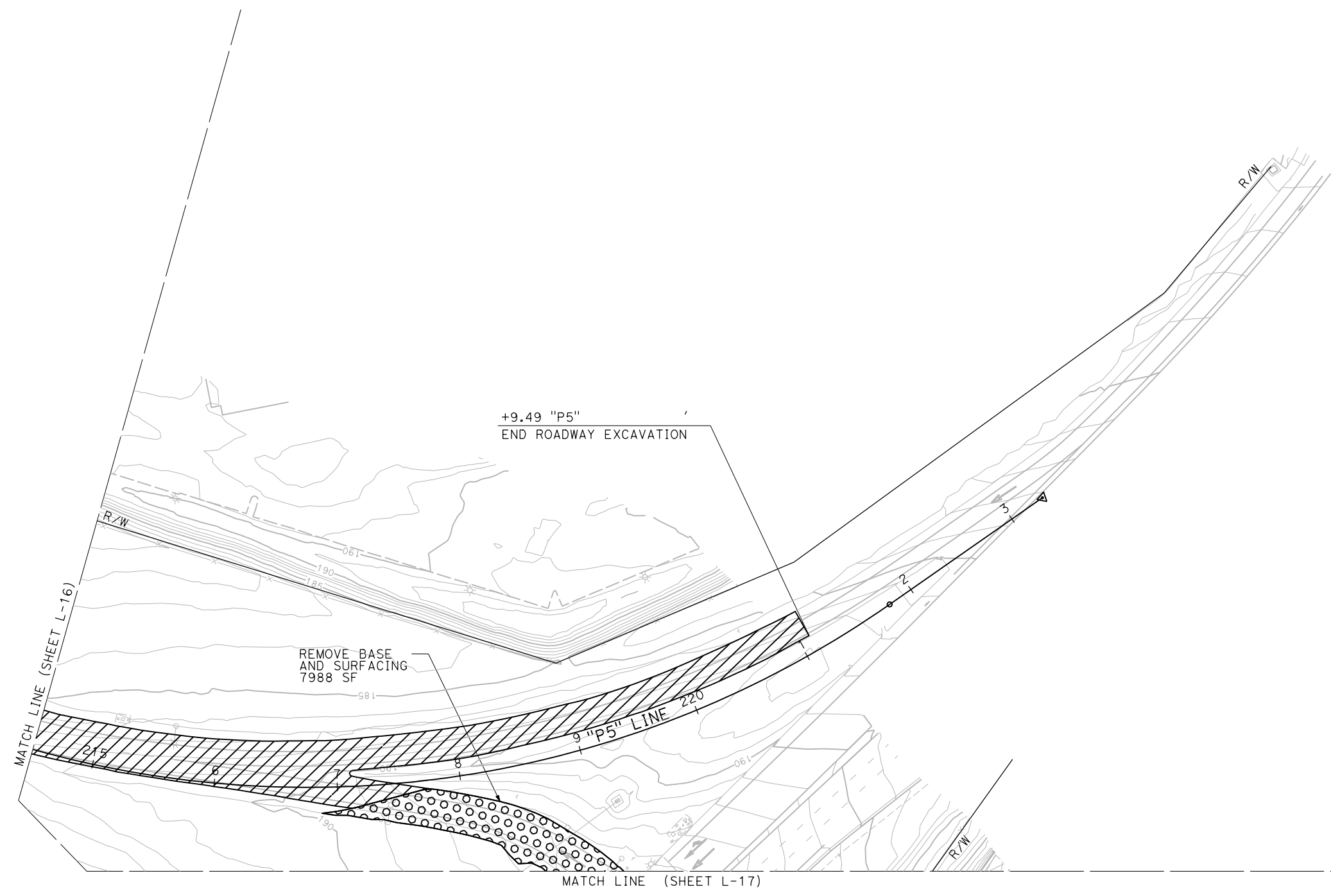
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - EXISTING EDGE DRAINS WITHIN GRADING LIMITS TO BE REMOVED. SEE ROADWAY EXCAVATION STANDARD SPECIFICATIONS.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE REVISED
		L. REINKING	
		G. MANOREK	



**LAYOUT**  
 DEMOLITION  
 SCALE: 1"=50'

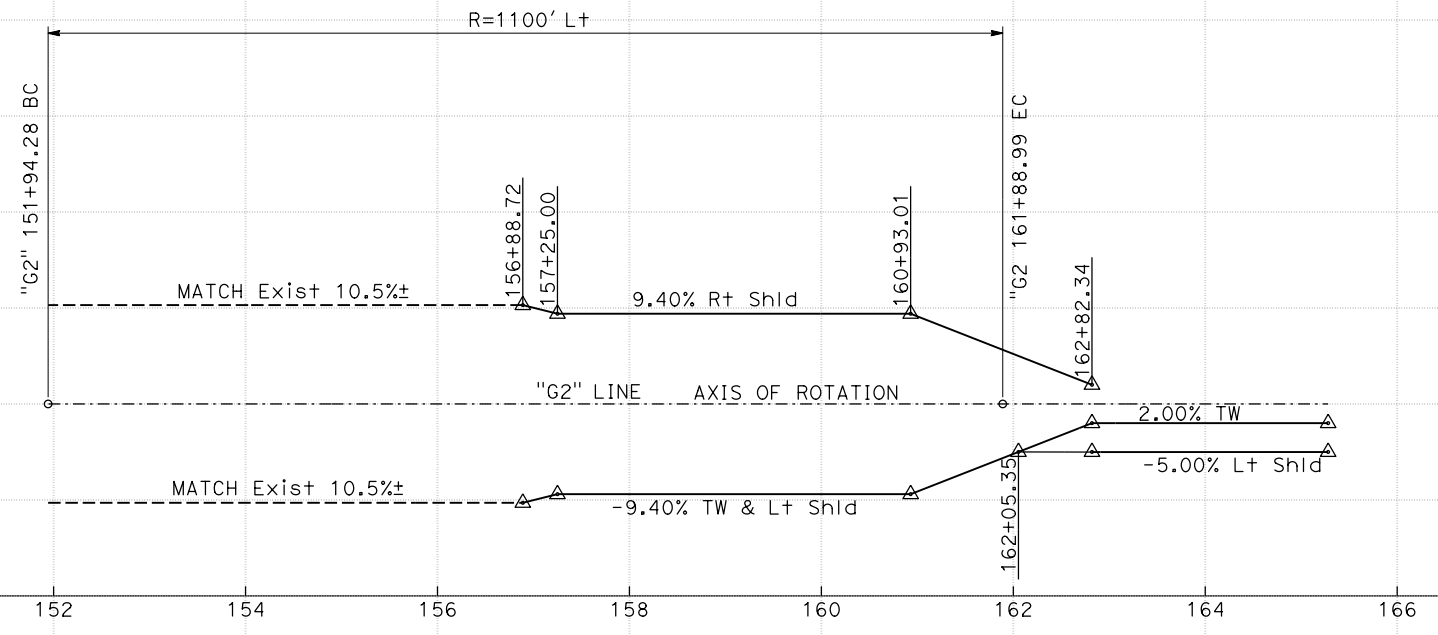
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LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 13:10

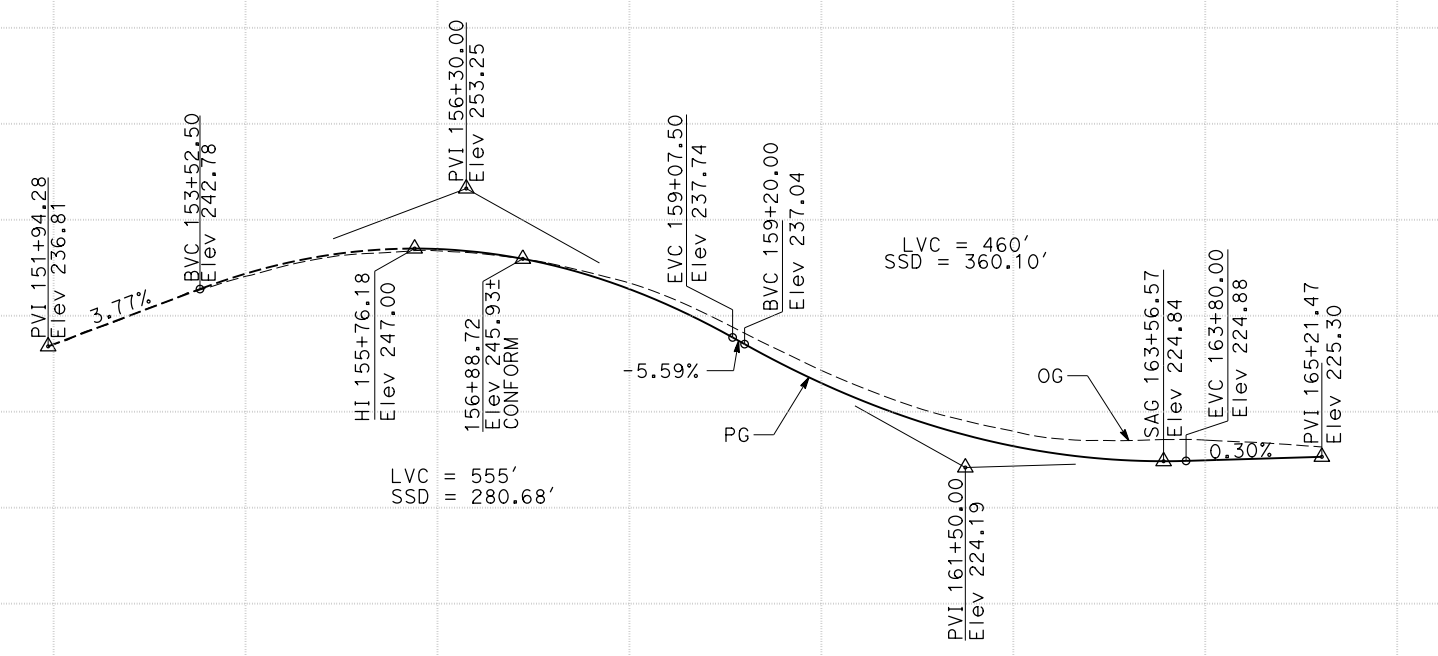


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	39	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVED FOR CONSTRUCTION					
PCTP 2900 CALIFORNIA ST. AUBURN, CA 95603			JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833		

**NOTE:**  
THE VERTICAL DATUM FOR THIS SURVEY IS NAVD88 AS ESTIMATED BY DIGITAL LEVEL TIES TO NGS PUBLISHED FIRST ORDER BENCHMARKS E 1200 AND G 1446



**SUPERELEVATION DIAGRAM**



**PROFILE AND SUPERELEVATION DIAGRAM**  
**SB GALLERIA BLVD SLIP OFF-RAMP**  
"G2" LINE

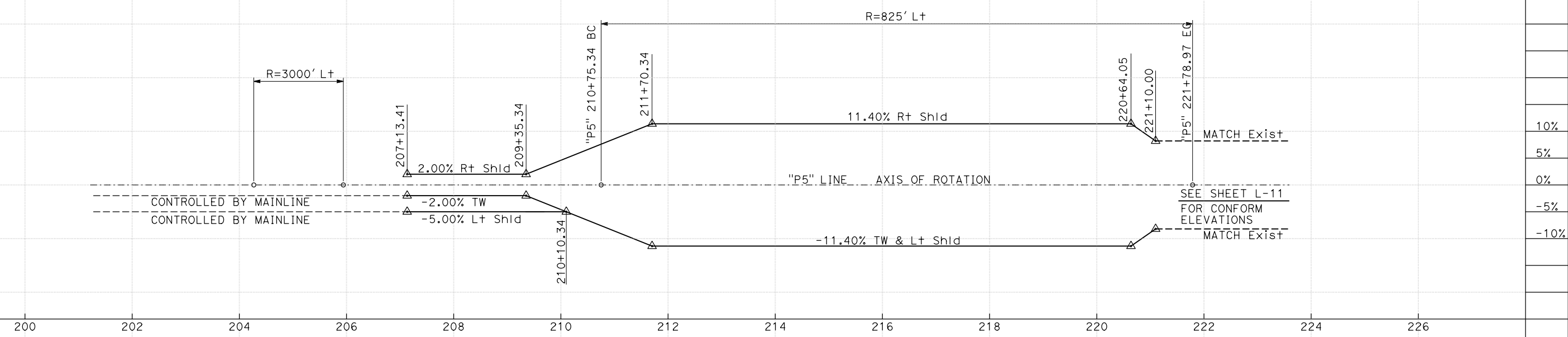
SCALE: Horiz 1" = 100'  
Vert 1" = 10'  
**PS-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
	C. BENSON	CHECKED BY	L. REINKING
STATION			DATE REVISED
CY			
Exc			
Emb			

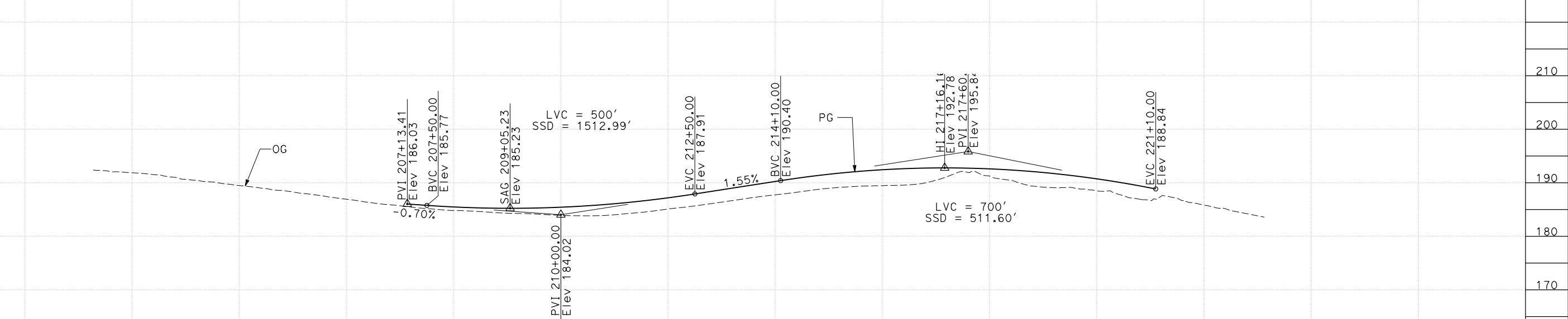
TOTAL	3407
TOTAL	643

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	40	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVED FOR CONSTRUCTION					
PCTP 290 N. VADIA ST. AUBURN, CA 95603			JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833		

**NOTE:**  
THE VERTICAL DATUM FOR THIS SURVEY IS NAVD88 AS ESTIMATED BY DIGITAL LEVEL TIES TO NGS PUBLISHED FIRST ORDER BENCHMARKS E 1200 AND G 1446



**SUPERELEVATION DIAGRAM**



**PROFILE  
SB PLEASANT GROVE BLVD SLIP ON-RAMP  
'P5' LINE**

**PROFILE AND  
SUPERELEVATION DIAGRAM**  
SCALE: Horiz 1" = 100'  
Vert 1" = 10' **PS-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR BY	DATE REVISOR
	C. BENSON	G. MANOREK	L. REINKING	
STATION	Exc	Emb		

200	202	204	206	208	210	212	214	216	218	220	222	224	226	TOTAL
														<b>2367</b>
														<b>936</b>

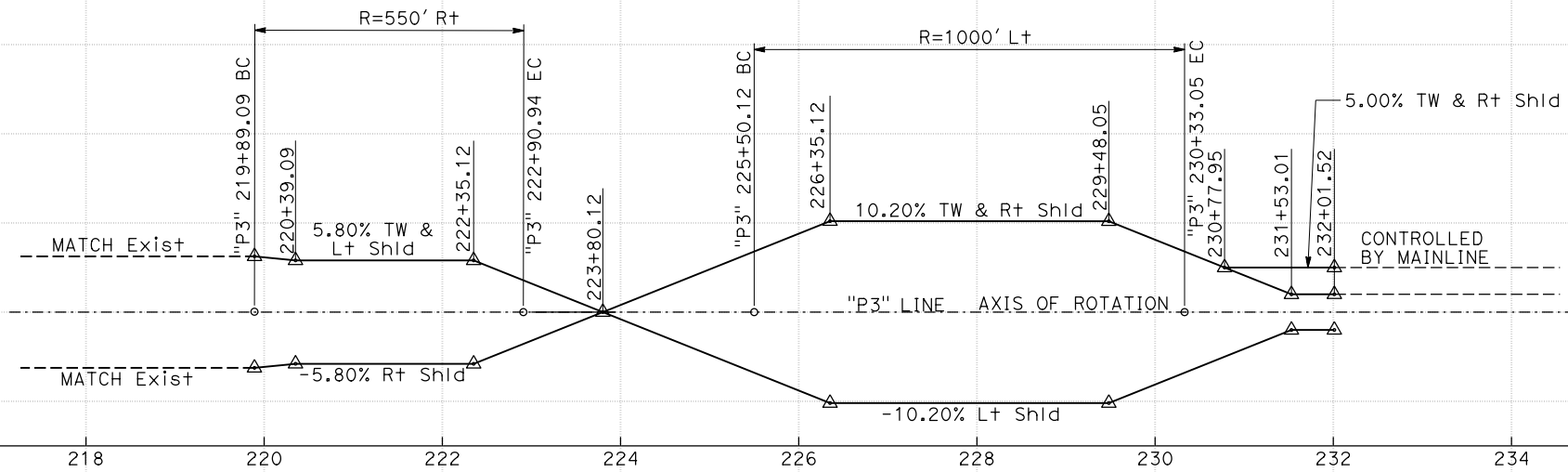
LAST REVISION DATE PLOTTED => 23-JUL-2020  
00-00-00 TIME PLOTTED => 13:53



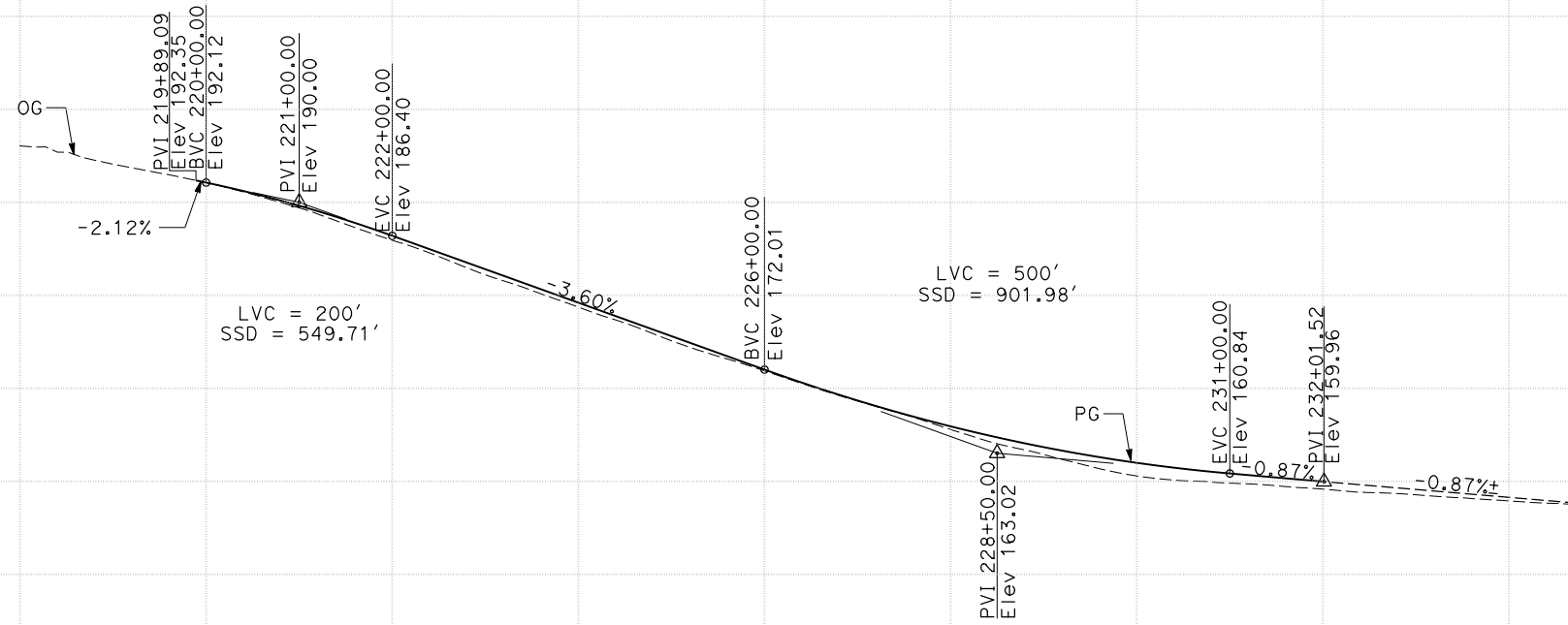
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	42	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVED FOR CONSTRUCTION					
PCTP 2901 CALIFORNIA ST. AUBURN, CA 95603			JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833		

**NOTE:**

THE VERTICAL DATUM FOR THIS SURVEY IS NAVD88 AS ESTIMATED BY DIGITAL LEVEL TIES TO NGS PUBLISHED FIRST ORDER BENCHMARKS E 1200 AND G 1446



**SUPERELEVATION DIAGRAM**



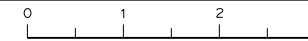
**PROFILE  
SB PLEASANT GROVE BLVD SLIP OFF-RAMP  
"P3" LINE**

**PROFILE AND  
SUPERELEVATION DIAGRAM**

SCALE: Horiz 1" = 100'  
Vert 1" = 10' **PS-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR
	C. BENSON	G. MANOREK	L. REINKING
STATION	Exc	Emb	DATE REVISED

TOTAL	3744
TOTAL	149





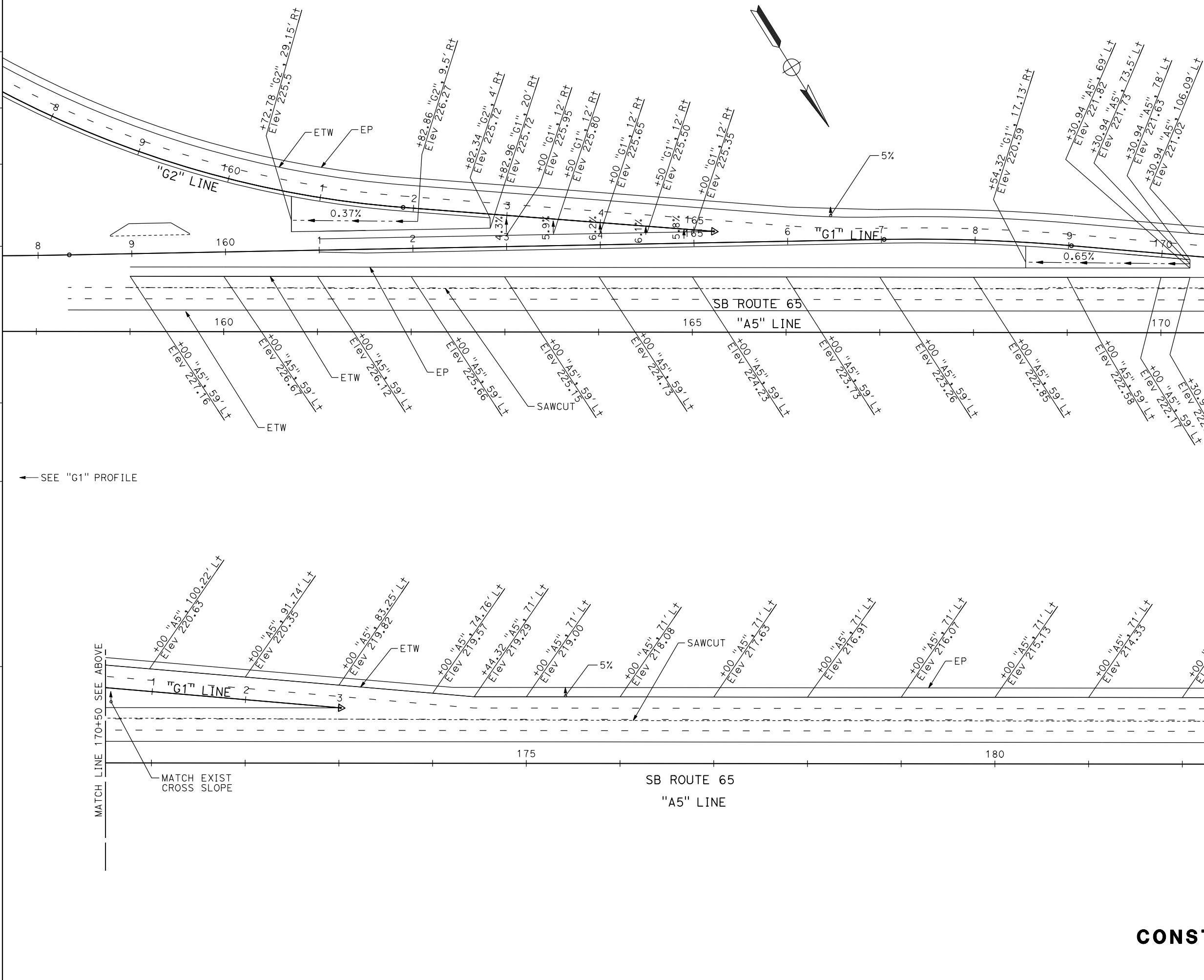
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED-DESIGNED BY: L. NOWLAKHA  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE REVISIONS

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	43	230

REGISTERED CIVIL ENGINEER DATE  
 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.



PCTPA: 299 NEVADA ST. AUBURN, CA 95603  
 JACOBS: 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833



**CONSTRUCTION DETAILS**  
 SCALE: 1"=50'  
**C-1**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 1:3:52

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. NOWLAKHA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ]  
 DATE REVISED: [ ]

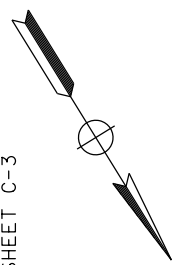
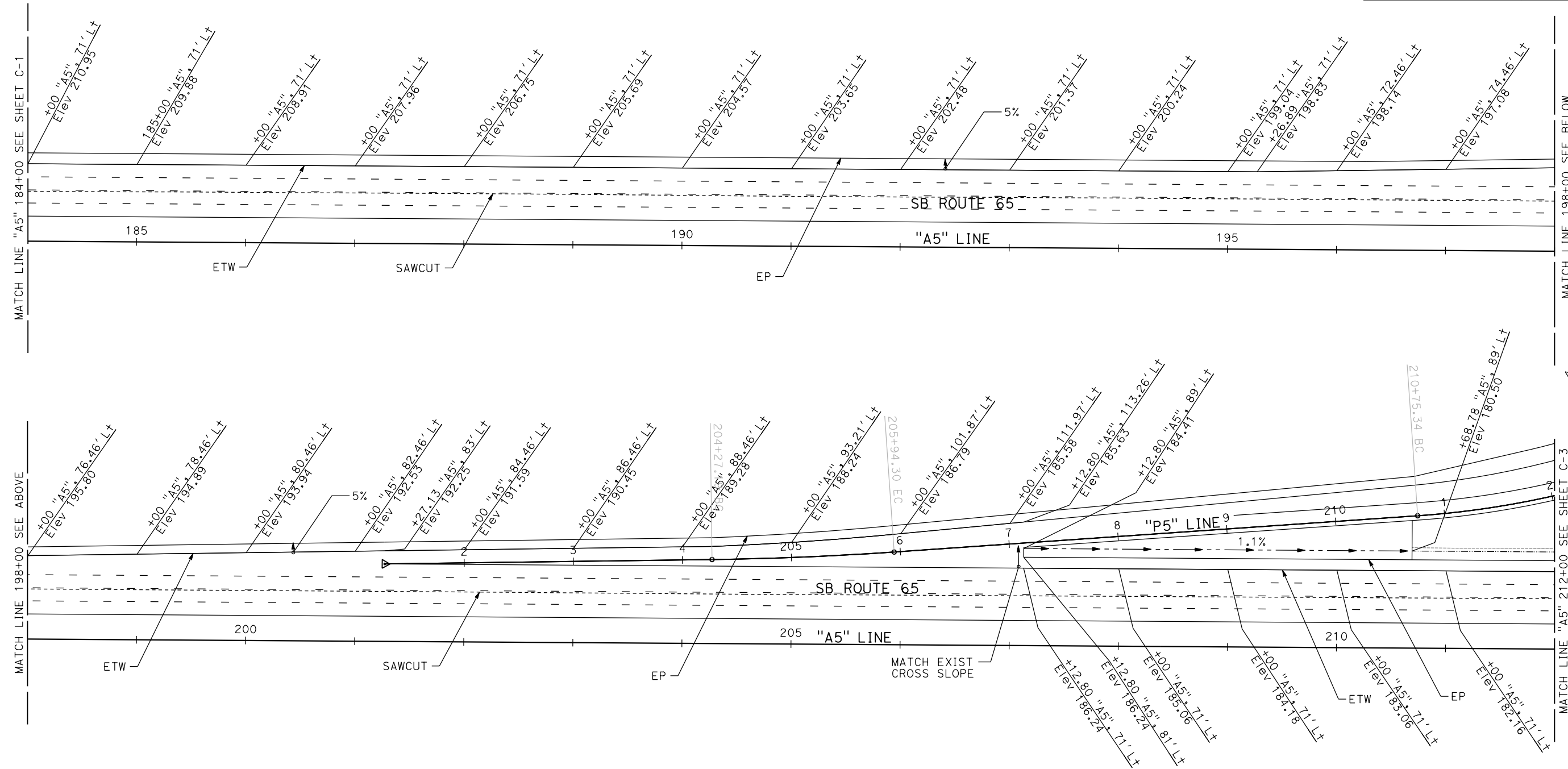
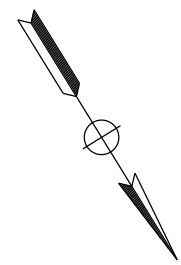
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	44	230

REGISTERED CIVIL ENGINEER DATE: \_\_\_\_\_  
 PLANS APPROVAL DATE: \_\_\_\_\_

LAUREN C. REINKING  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

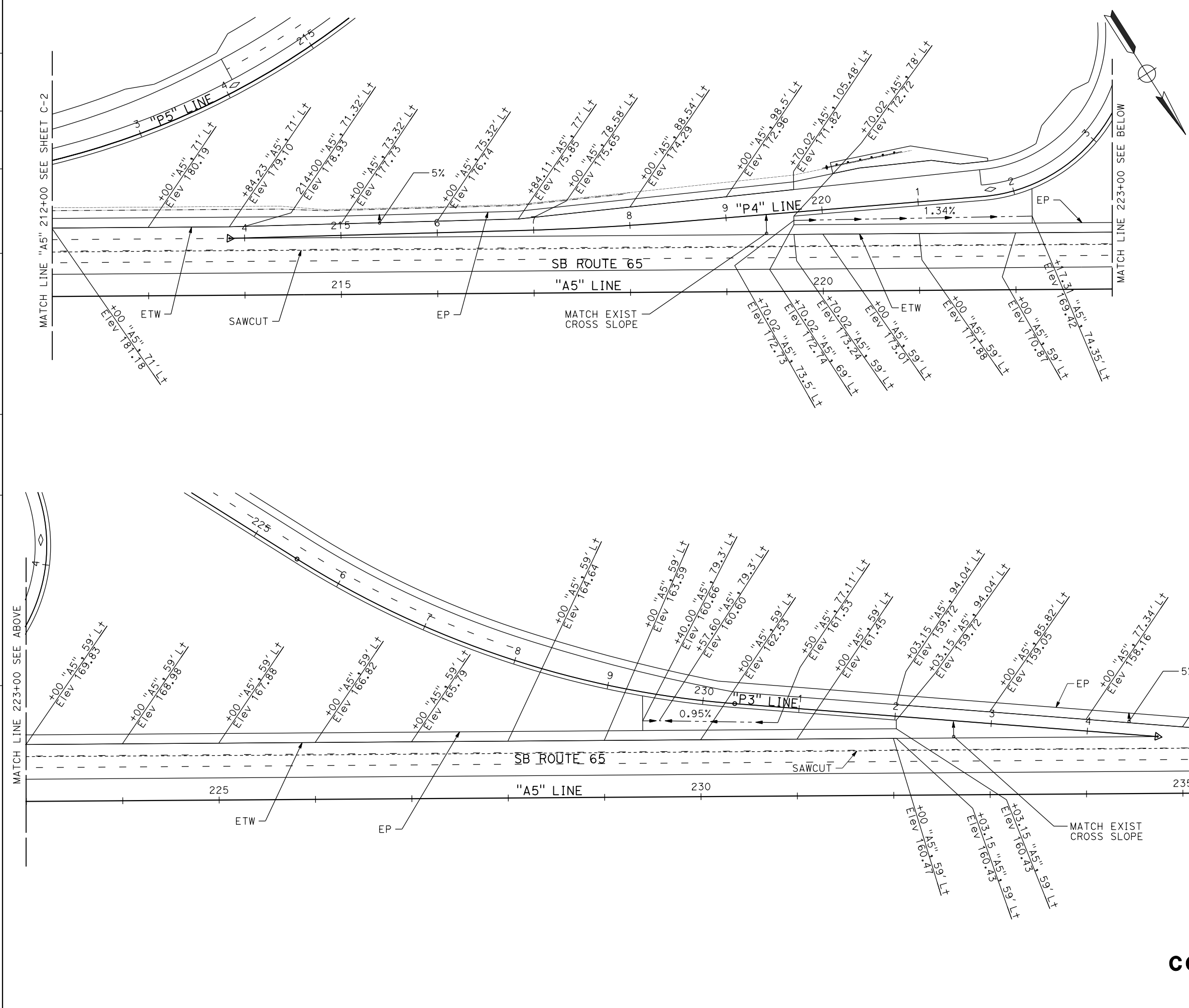
JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**CONSTRUCTION DETAILS**  
 SCALE: 1"=50'  
**C-2**

LAST REVISION | DATE PLOTTED => 23-JUL-2020  
 00-00-00 | TIME PLOTTED => 13:52

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. NOWLAKHA  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE REVISION



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	45	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

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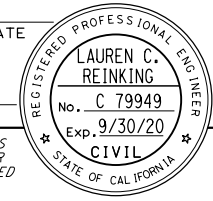
JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

REGISTERED PROFESSIONAL ENGINEER  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

**CONSTRUCTION DETAILS**  
 SCALE: 1"=50'  
**C-3**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	46	230

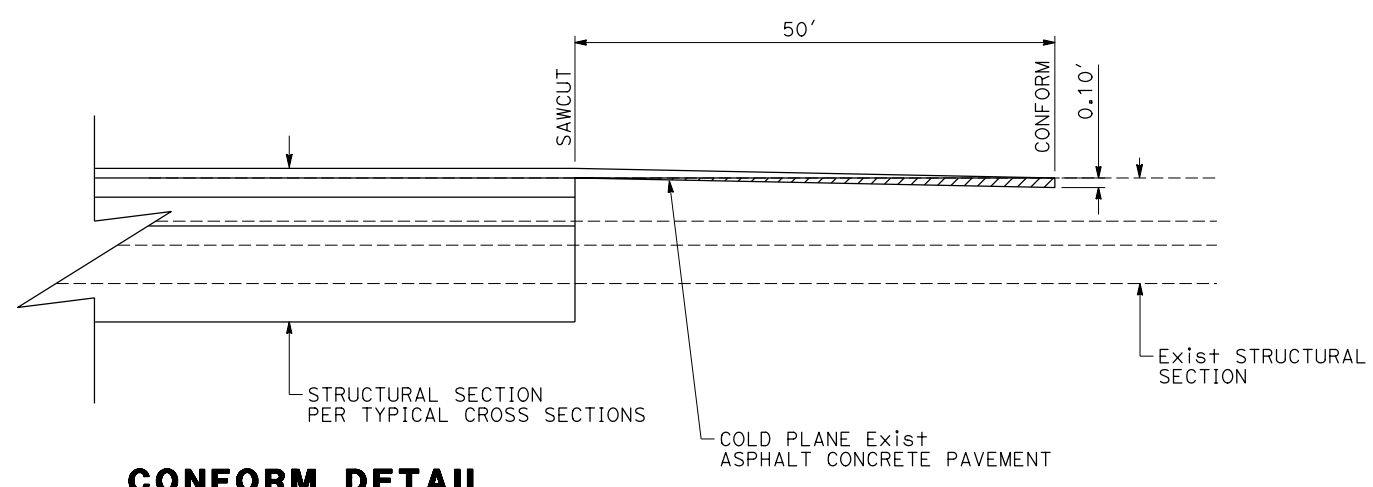
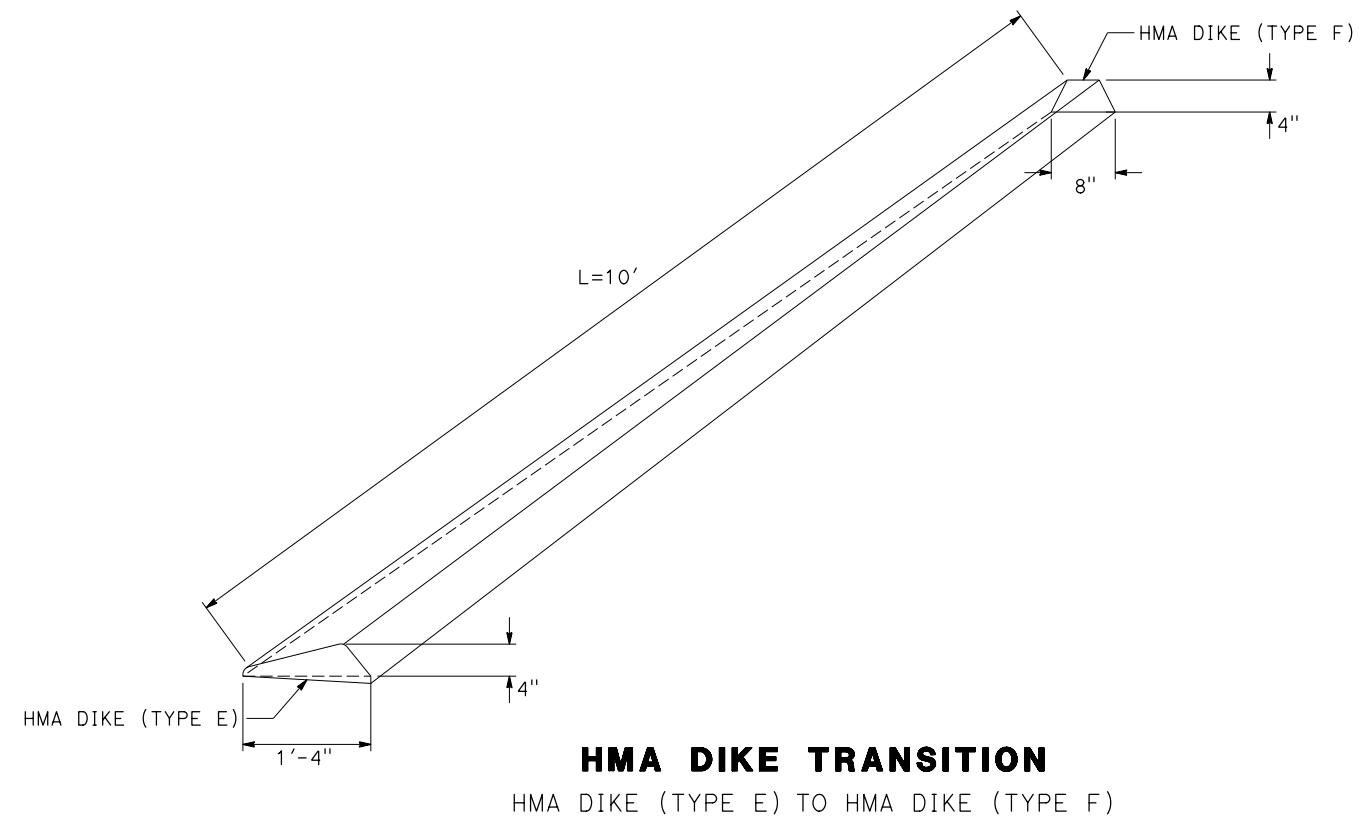
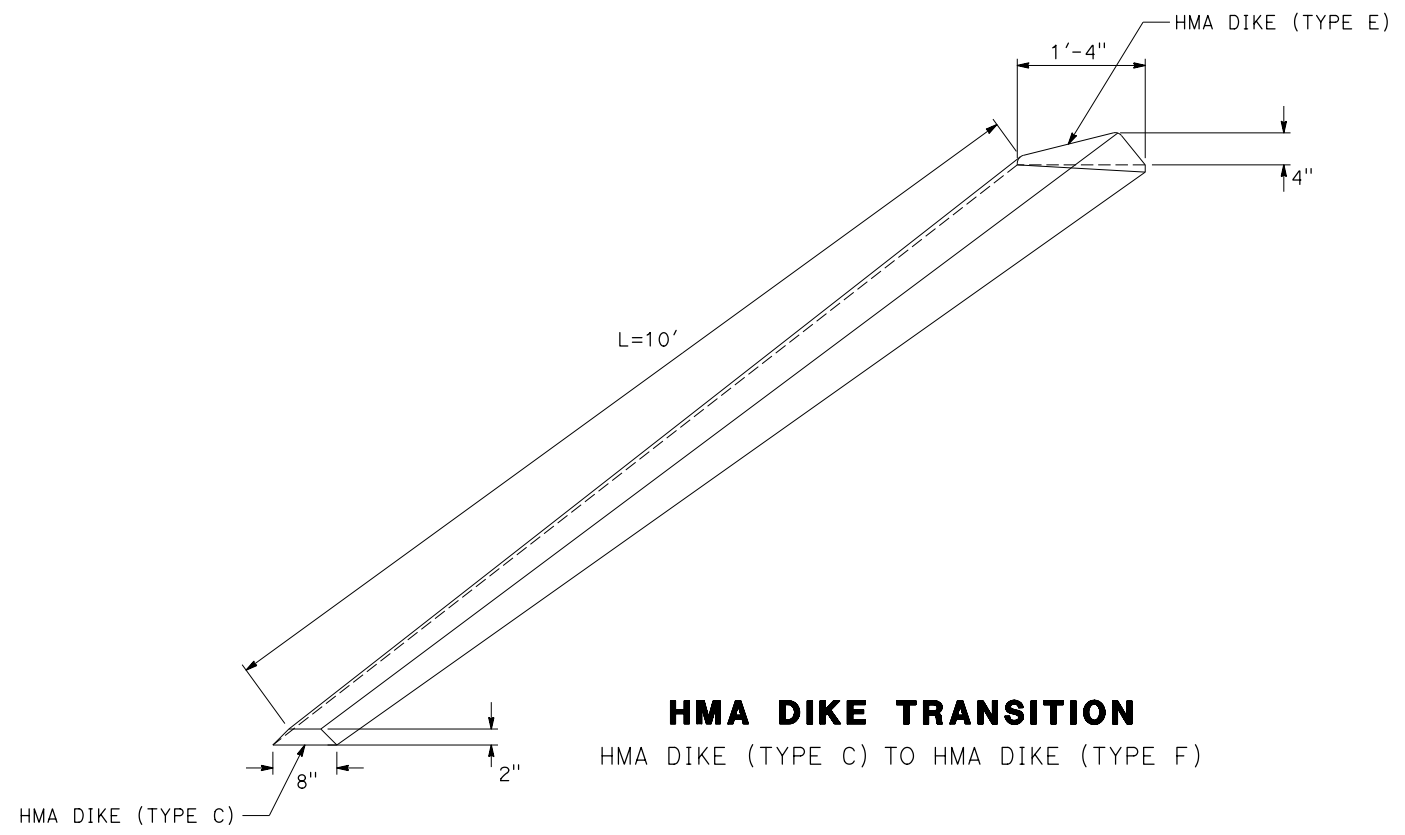
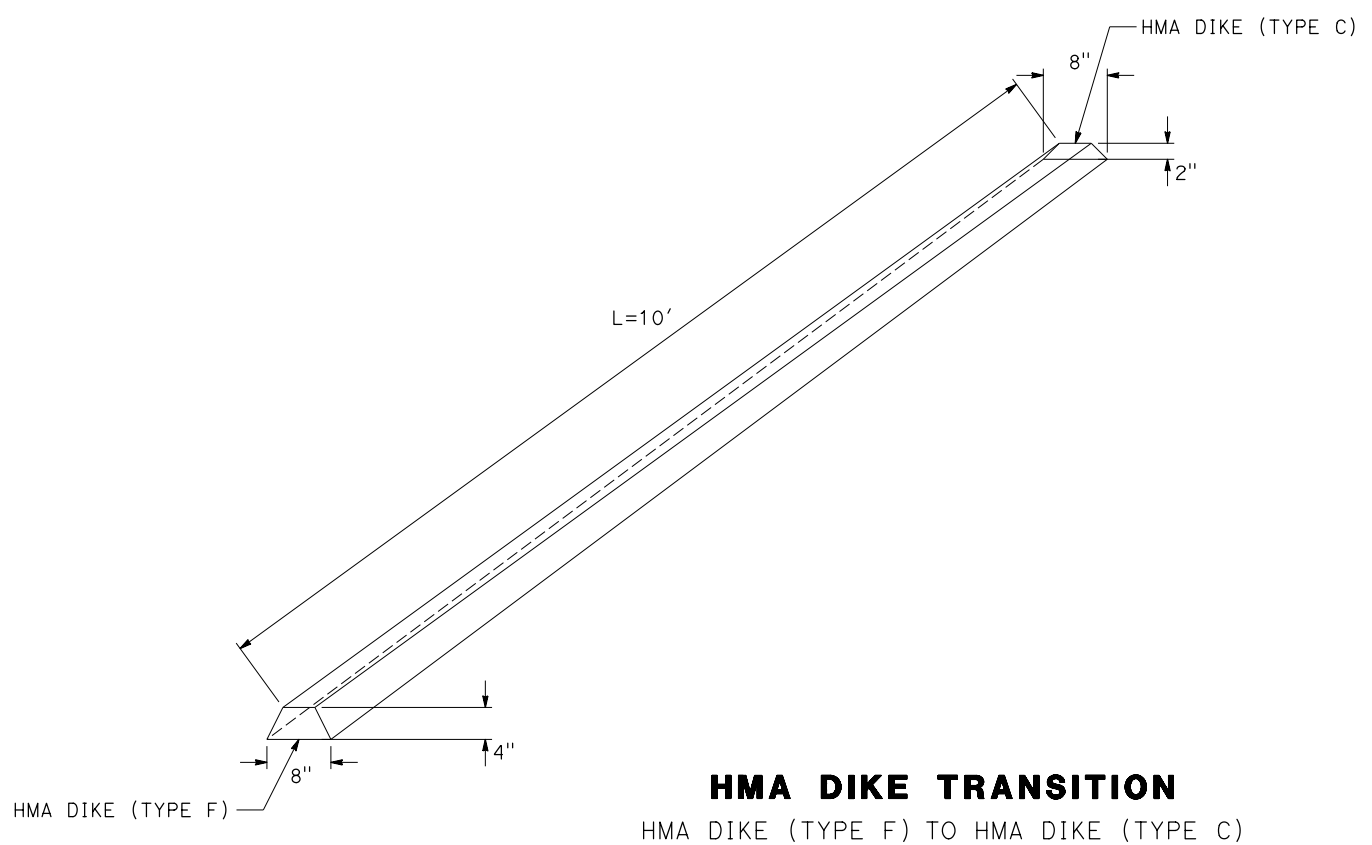
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans	C. BENSON	L. NOWLAKHA	L. NOWLAKHA
		CHECKED BY	DATE REVISOR
		G. MANOREK	



**CONSTRUCTION DETAILS**  
 NO SCALE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R5.7/R8.2	47	230

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

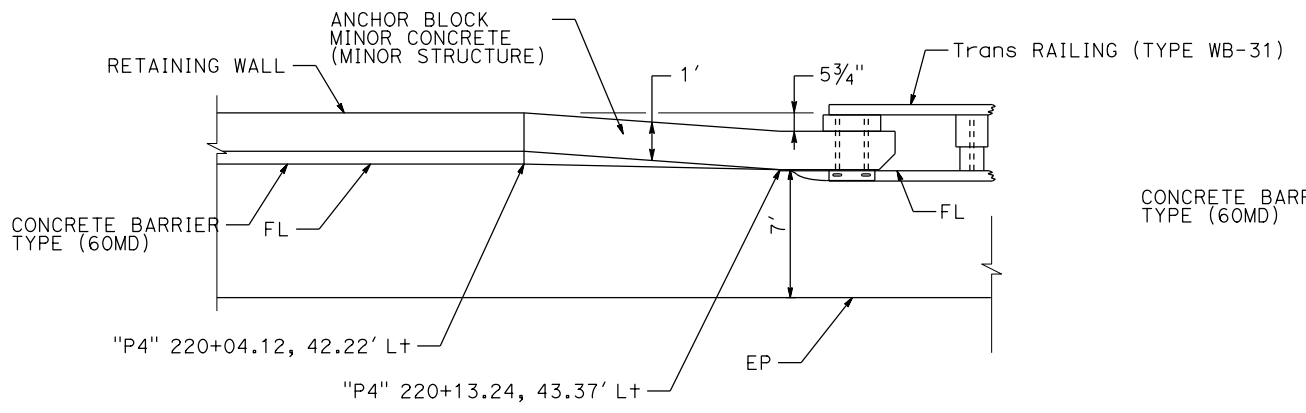
  

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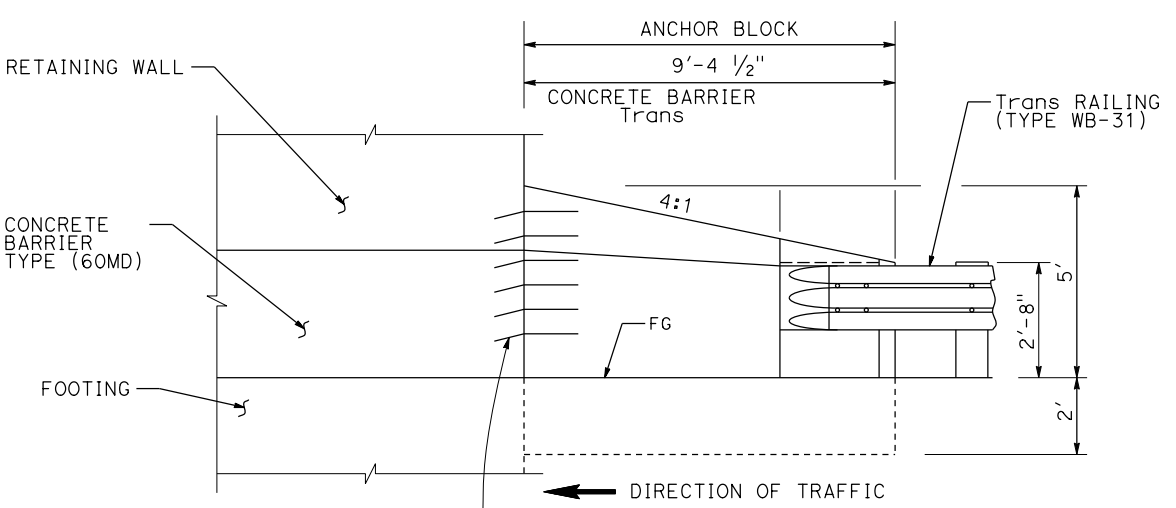


**NOTES:**

1. FOR RETAINING WALL TO TRANSITION RAILING (TYPE WB-31) TRANSITION DETAIL SEE RETAINING WALL PLANS.

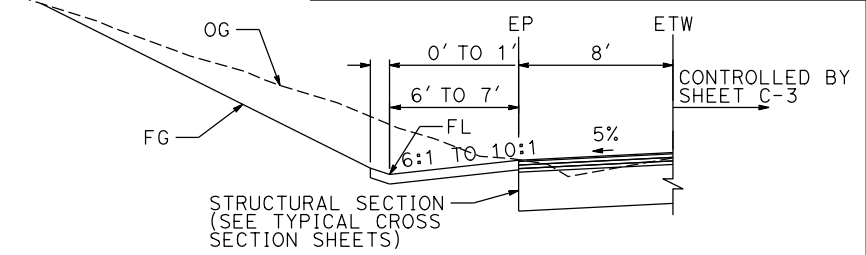
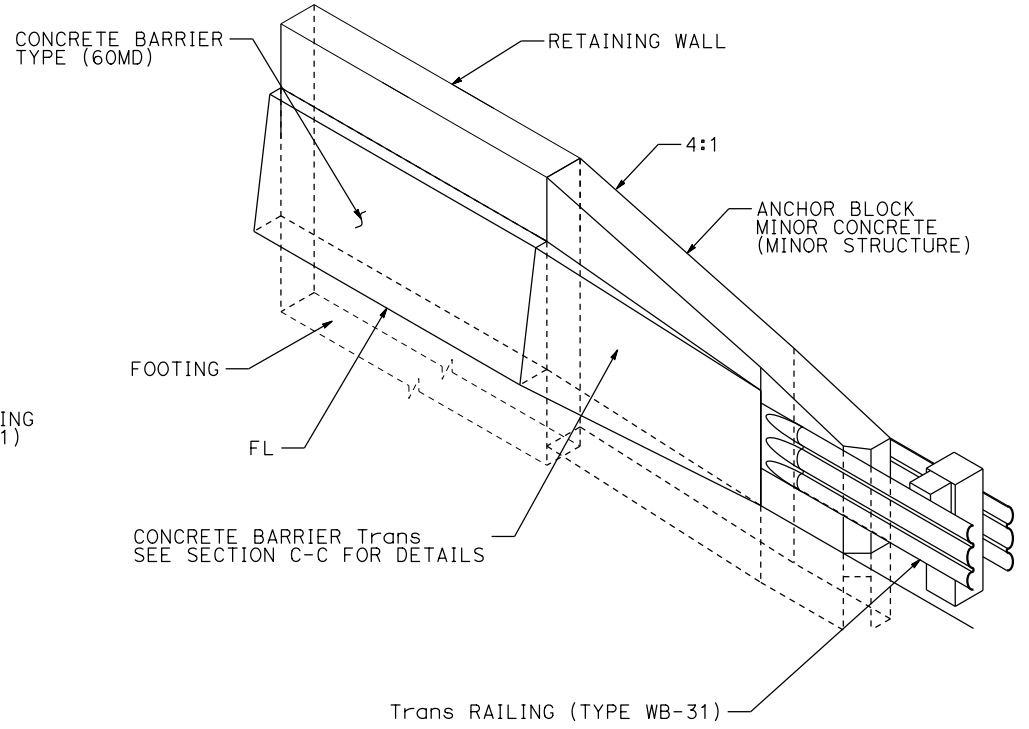


PLAN

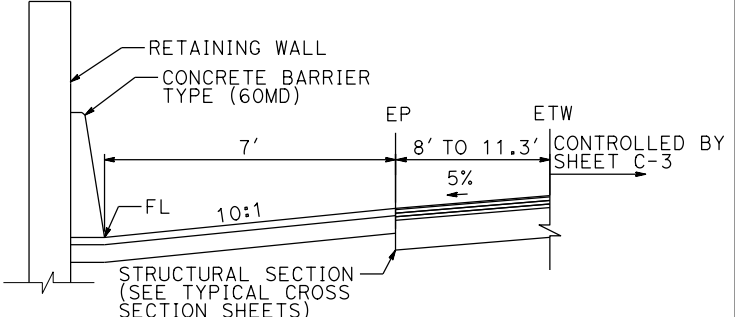


ELEVATION

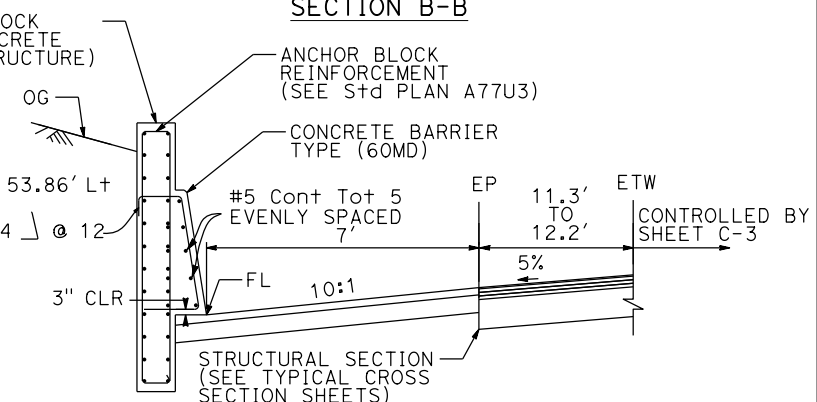
**MINOR CONCRETE (MINOR STRUCTURE) ANCHOR BLOCK**  
RETAINING WALL TO TRANSITION RAILING (TYPE WB-31)



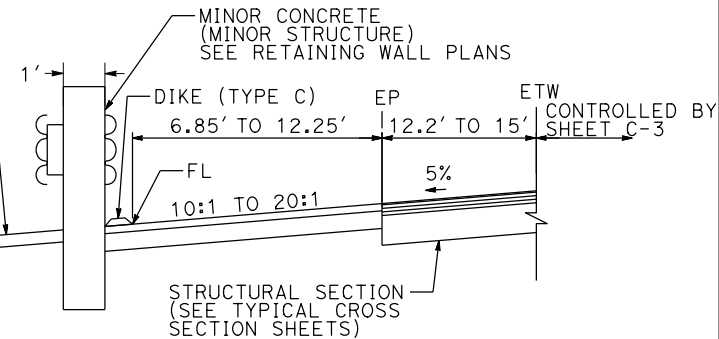
SECTION A-A



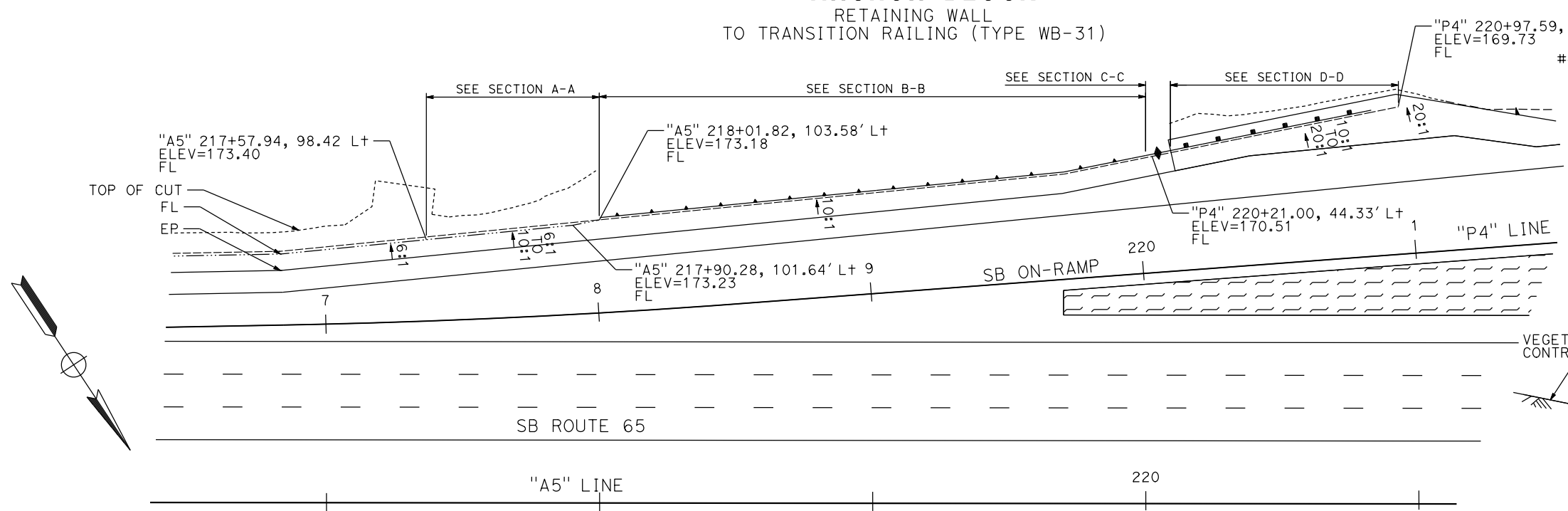
SECTION B-B



SECTION C-C



SECTION D-D



**FLOWLINE & PAVEMENT TRANSITION DETAIL**

**CONSTRUCTION DETAILS**  
NO SCALE

C-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans

USERNAME => pwsvc  
DGN FILE => 031F1701ga005.dgn

RELATIVE BORDER SCALE 15 IN INCHES

UNIT 0303

PROJECT NUMBER & PHASE 0320000055 03-1F1714

LAST REVISION DATE PLOTTED => 23-JUL-2020  
00-00-00 TIME PLOTTED => 13:52

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE  
 CONSULTANT FUNCTIONAL SUPERVISOR C. BENSON  
 CALCULATED/DESIGNED BY C. AGUILAR RIVERA  
 CHECKED BY G. MANOREK  
 REVISED BY DATE  
 G. MANOREK

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	48	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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### EROSION CONTROL TYPE 1

ITEM	MATERIAL	MATERIAL TYPE	APPLICATION RATE
HYDROSEED	SEED	MIX	40 LB/ACRE
	FIBER	WOOD	2,000 LB/ACRE
	TACKIFIER	PSYLLIUM	150 LB/ACRE

### FIBER ROLLS

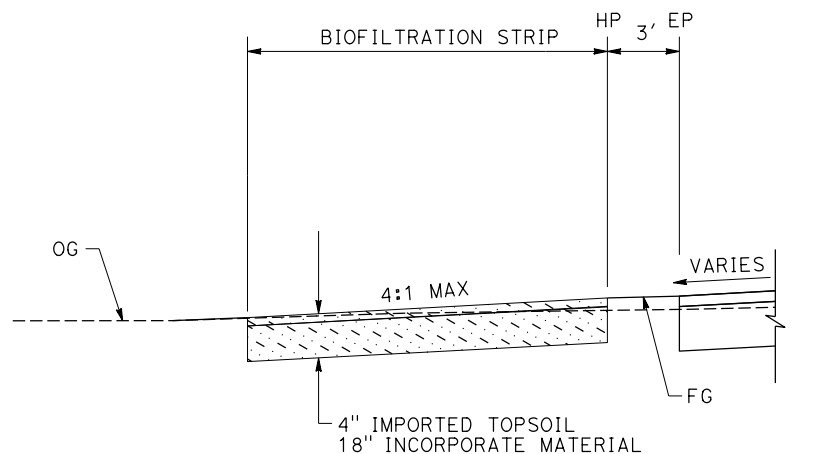
SEQUENCE	ITEM	MATERIAL	MATERIAL TYPE
IN HYDROSEED AREA FIBER ROLLS MUST BE INSTALLED BEFORE HYDROSEED	FIBER ROLLS	FIBER ROLL	WHEAT STRAW FILL 8" TO 10" Dia

### SEED MIX

BOTANICAL NAME (COMMON NAME) (N)	PERCENT GERMINATION (MINIMUM)	POUNDS PURE LIVE SEED PER ACRE (SLOPE MEASUREMENT)
BROMUS CARINATUS (CALIFORNIA BROME)	75	5
ELYMUS GLAUCUS (BLUE WILDRYE)	75	5
HORDEUM BRACHYANTHERUM (MEADOW BARLEY)	70	10
MELICA CALIFORNICA (CALIFORNIA MELICGRASS)	50	2
STIPA PULCHRA (PURPLE NEEDLEGRASS)	60	7
ACHILLEA MILLEFOLIUM (COMMON YARROW)	60	1
LUPINUS BICOLOR (BICOLOR LUPINE)	60	3
ESCHSCHOLZIA CALIFORNICA (CALIFORNIA POPPY)	50	1
LASTHENIA GLABRATA (YELLOW RAYED GOLDFIELDS)	40	1
PHACELIA CALIFORNICA (CALIFORNIA BLUEBELL)	60	1
ACMISPON GLABER (DEERWEED)	50	2
PERIDERIDIA GAIRDNERI (GAIRDNERI'S YAMPAH)	40	2
<b>TOTAL</b>		<b>40</b>

### LEGEND

- EROSION CONTROL TYPE 1 CUT/FILL SLOPES 2:1 OR FLATTER
- TEMPORARY DISTURBED AREA
- POTENTIAL STAGING AREA
- TEMPORARY CONSTRUCTION EASEMENT
- BIOFILTRATION STRIP OR SWALE
- ENVIRONMENTALLY SENSITIVE AREA (ESA)
- ROCK SLOPE PROTECTION (RSP)
- EROSION CONTROL TYPE
- FR FIBER ROLL



### BIOFILTRATION STRIP & SWALE DETAIL

### NOTES

- FOR LOCATION OF BIOFILTRATION STRIPS AND SWALES, SEE DRAINAGE SHEETS
- FOR BIOFILTRATION STRIPS AND SWALES PLAN AND CROSS SECTION DETAILS, SEE DRAINAGE SHEETS.

## EROSION CONTROL LEGEND

NO SCALE

# ECL-1

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	49	230

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

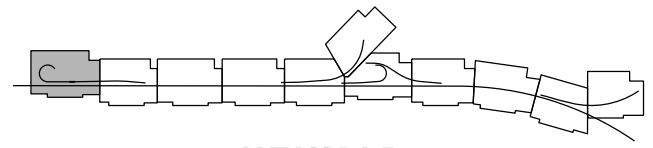
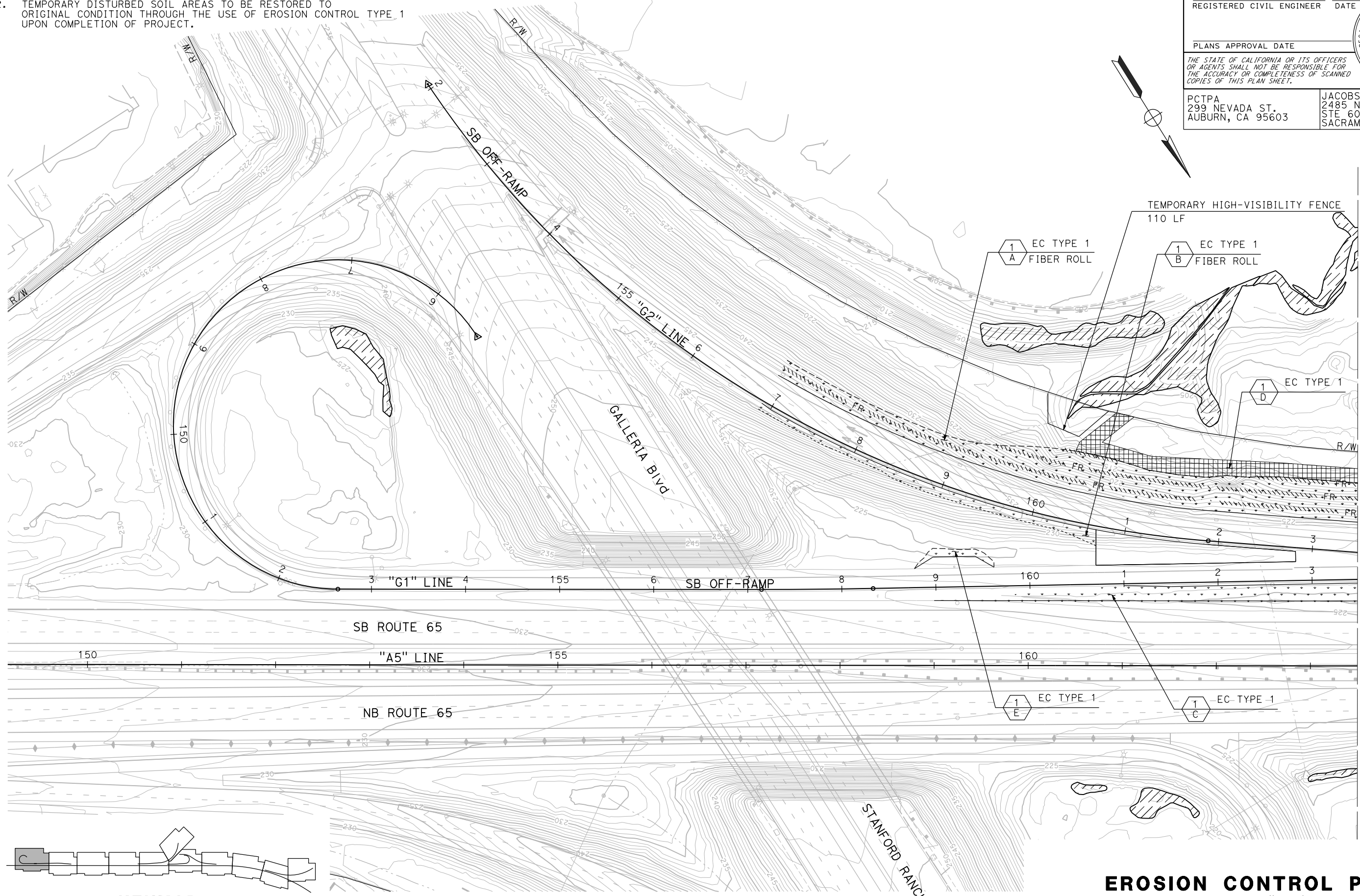
  

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**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION THROUGH THE USE OF EROSION CONTROL TYPE 1 UPON COMPLETION OF PROJECT.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	C. AGUILAR RIVERA
	CHECKED BY	DATE REVISED
	G. MANOREK	

APPROVED FOR EROSION CONTROL WORK ONLY

**EROSION CONTROL PLAN**  
SCALE: 1"=50'  
**EC-1**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:53



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	50	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

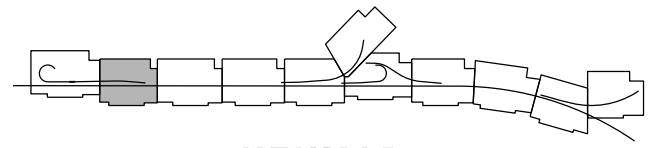
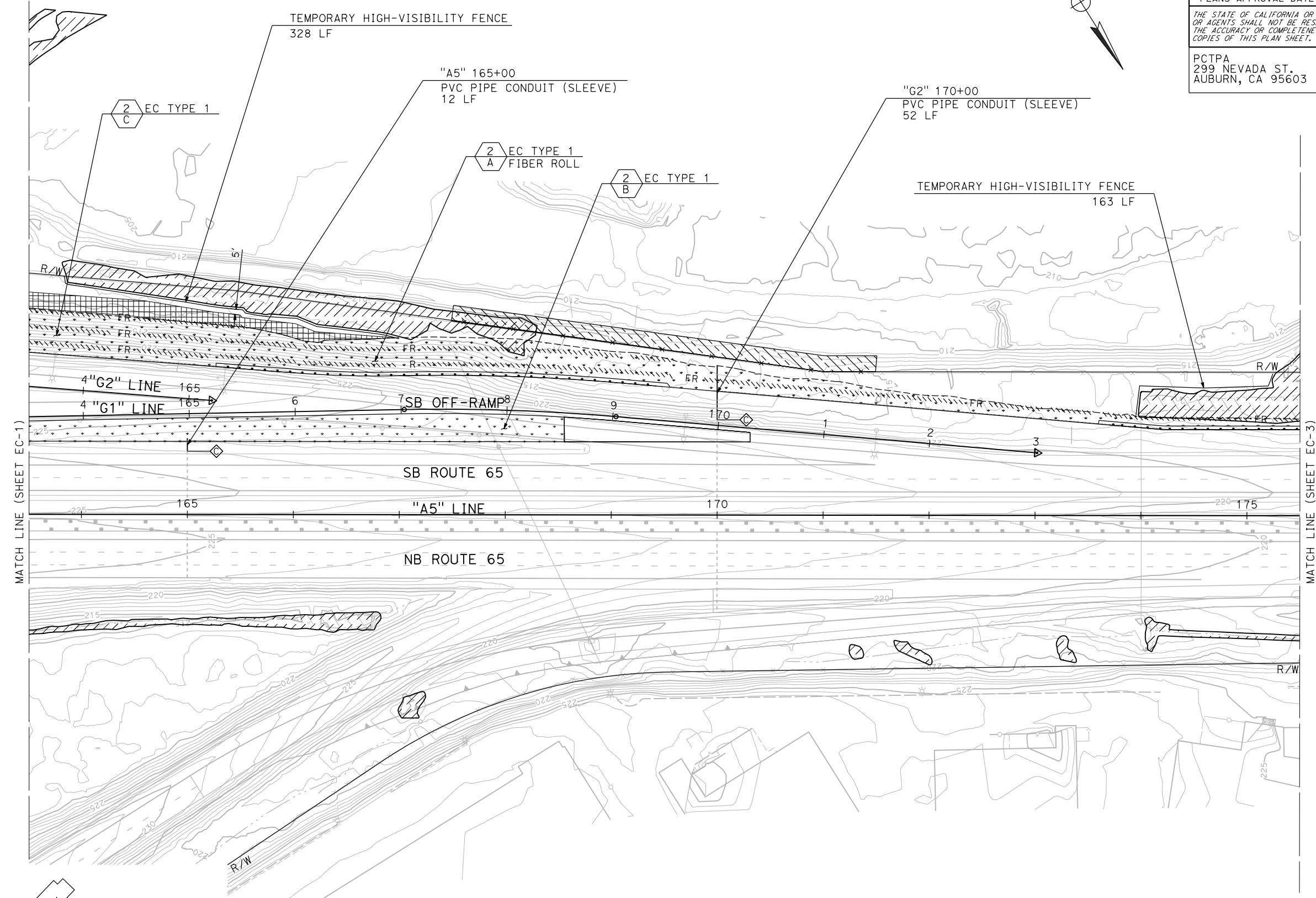
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- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.



**KEYMAP**

**EROSION CONTROL PLAN**  
SCALE: 1"=50'  
**EC-2**

APPROVED FOR EROSION CONTROL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE

CONSULTANT FUNCTIONAL SUPERVISOR  
C. BENSON

CALCULATED-DESIGNED BY  
CHECKED BY

C. AGUILAR RIVERA  
G. MANOREK

REVISED BY  
DATE REVISED



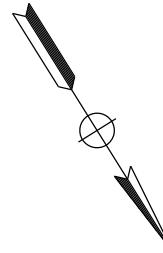
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	51	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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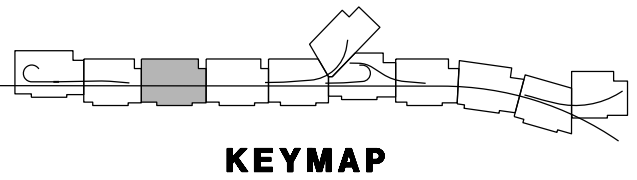
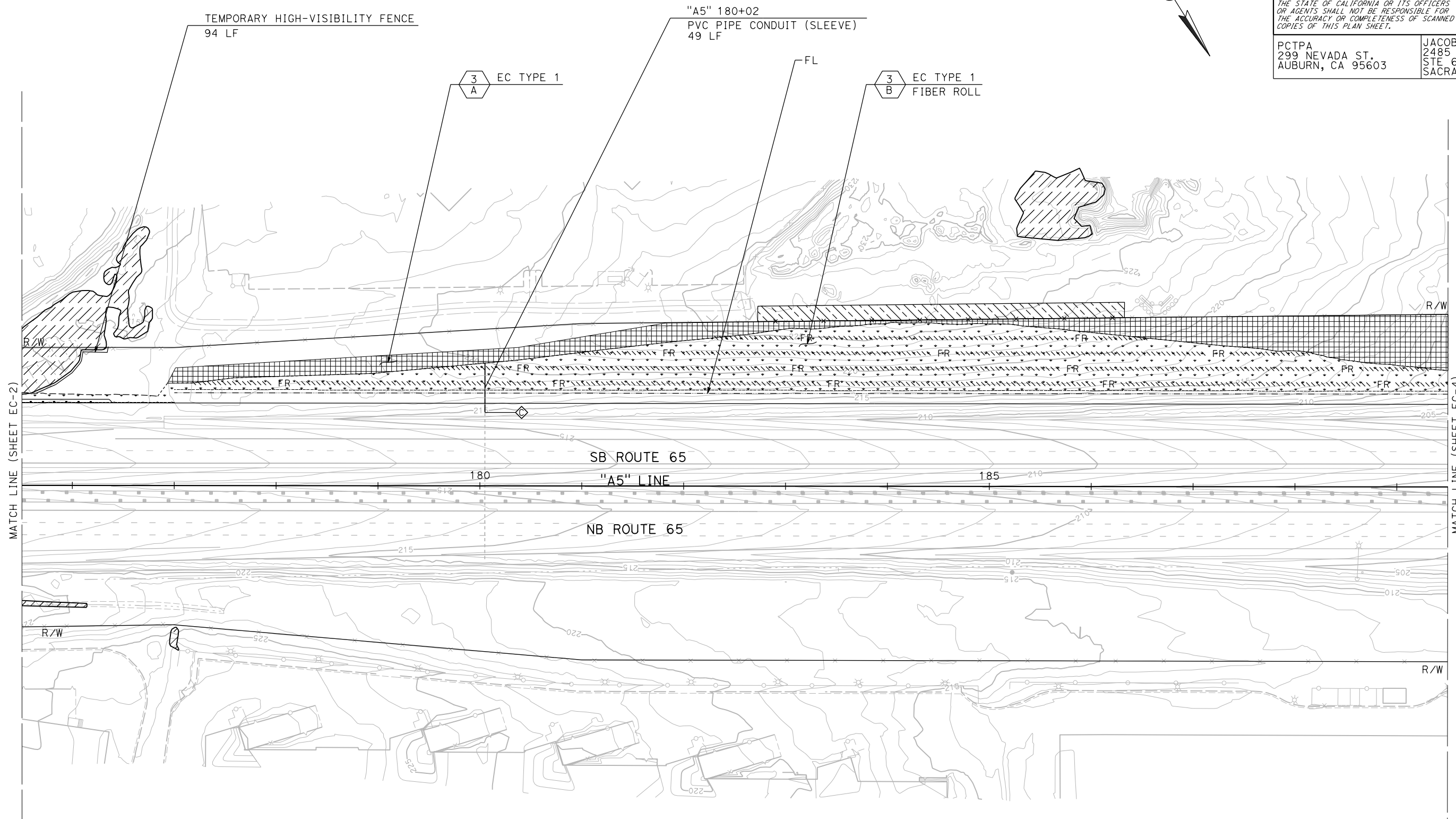
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**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.  
 2. TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	CHECKED BY	C. AGUILAR RIVERA
			G. MANOREK
			DATE REVISOR



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**EROSION CONTROL PLAN**  
 SCALE: 1"=50'  
**EC-3**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:53

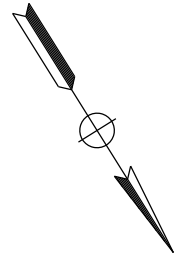
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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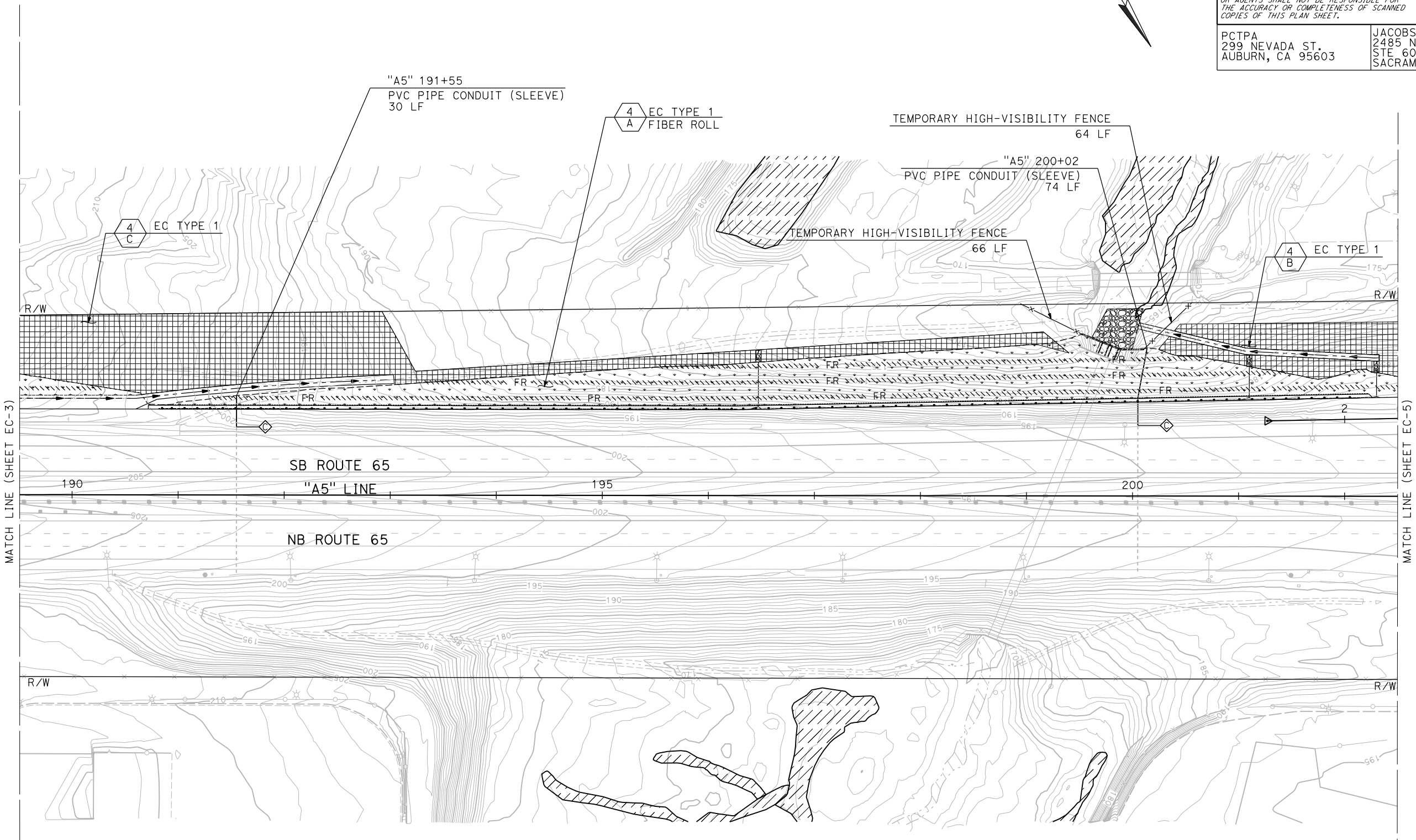
REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

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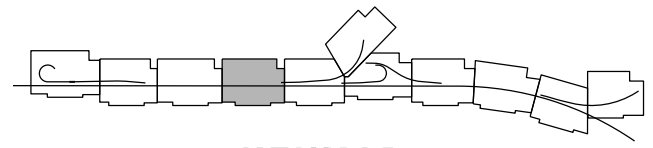


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  - TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.



MATCH LINE (SHEET EC-3)

MATCH LINE (SHEET EC-5)



**KEYMAP**

**EROSION CONTROL PLAN**  
SCALE: 1"=50'  
**EC-4**

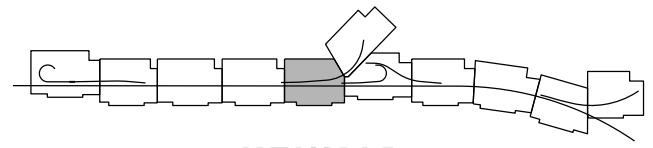
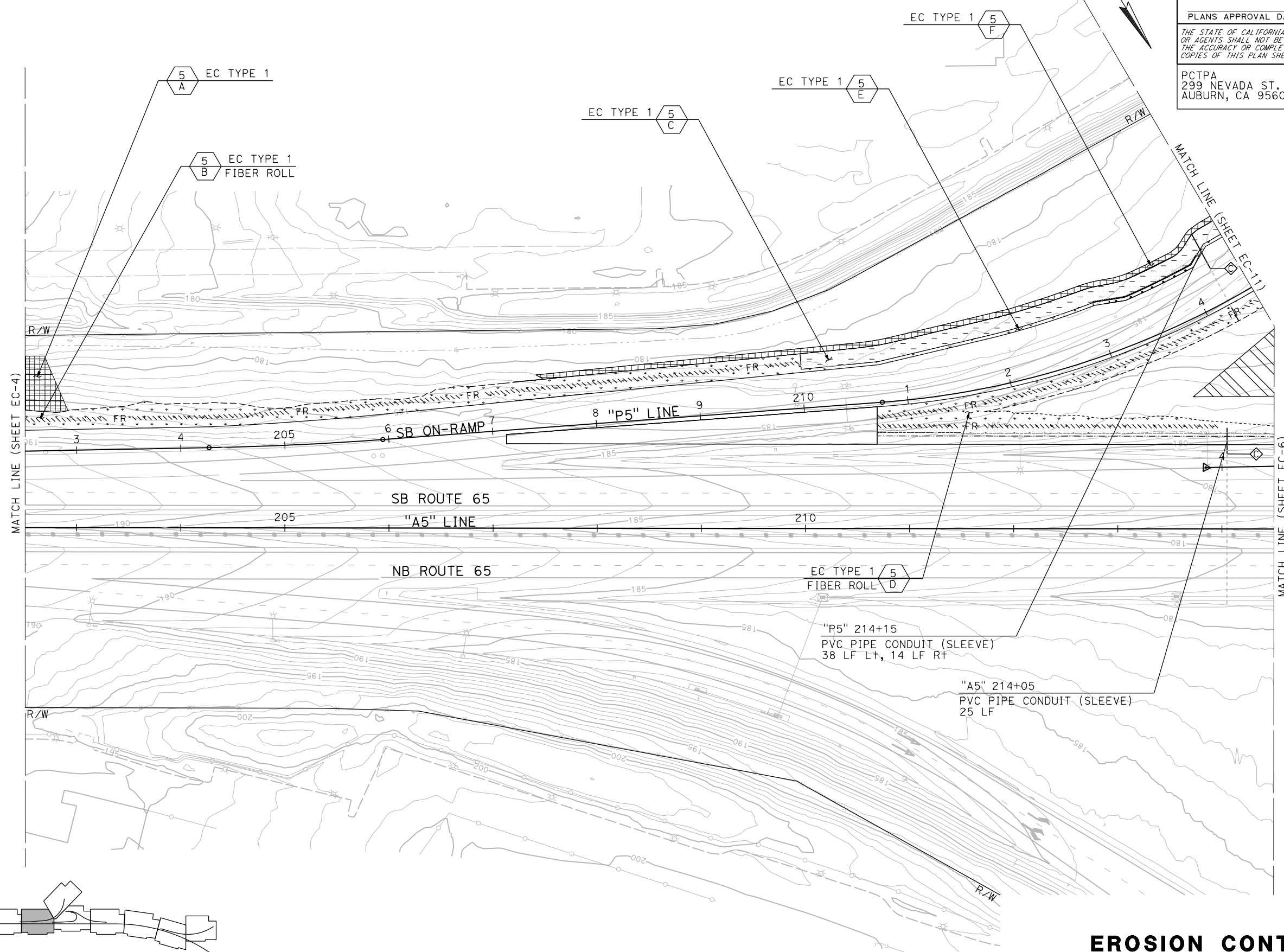
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<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	C. AGUILAR RIVERA
	CHECKED BY	DATE REVISED
	G. MANOREK	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	53	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
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  - TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	C. AGUILAR RIVERA
	CHECKED BY	DATE REVISED
	G. MANOREK	

**EROSION CONTROL PLAN**  
 SCALE: 1"=50'  
**EC-5**

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	54	230

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

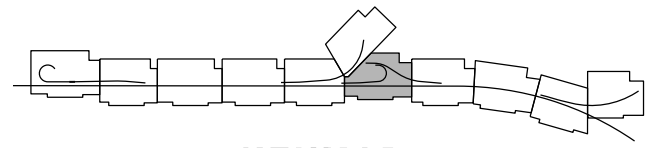
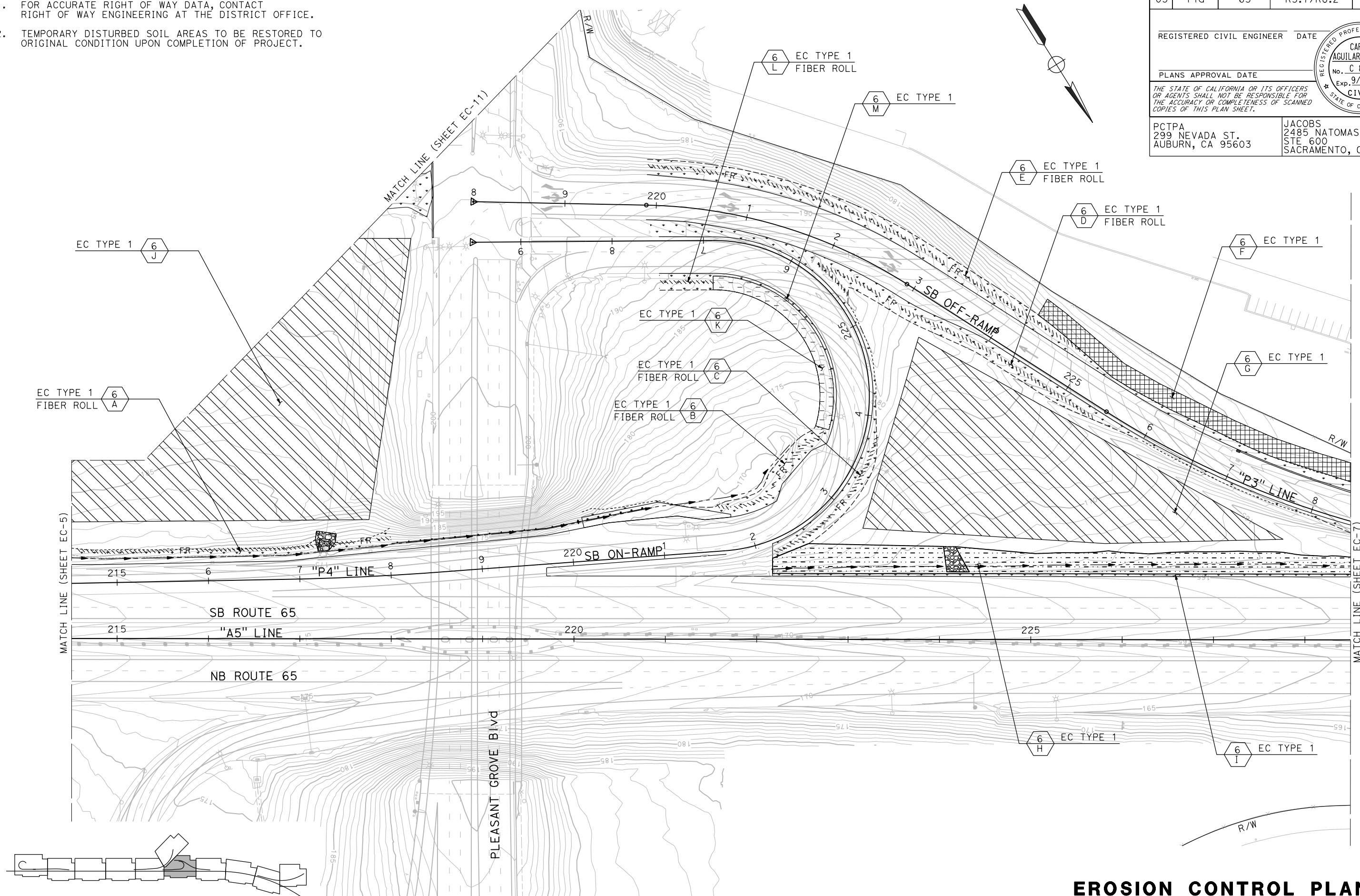
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- TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR BY
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	G. MANOREK	C. AGUILAR RIVERA
			DATE REVISED



**EROSION CONTROL PLAN**  
SCALE: 1"=50'  
**EC-6**

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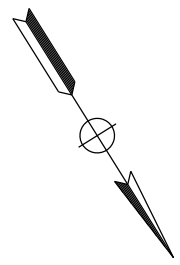
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	55	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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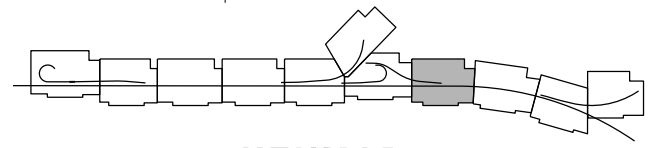
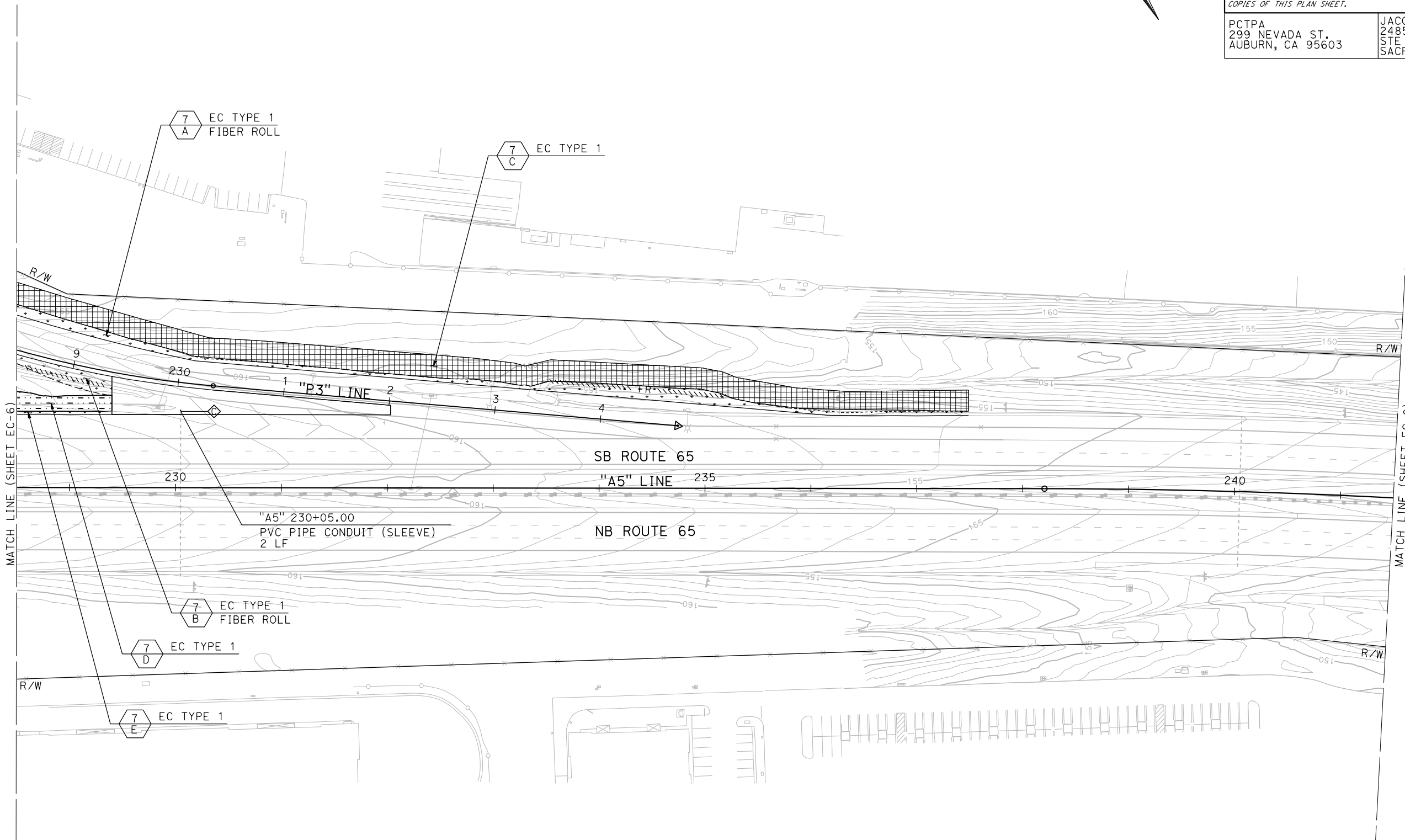
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	CHECKED BY	DATE
		G. MANOREK	
		C. AGUILAR RIVERA	
		G. MANOREK	



**KEYMAP**

**EROSION CONTROL PLAN**  
 SCALE: 1"=50'  
**EC-7**

APPROVED FOR EROSION CONTROL WORK ONLY

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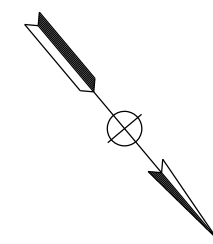
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	56	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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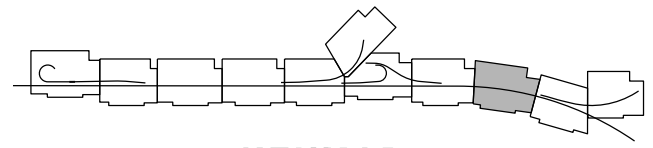
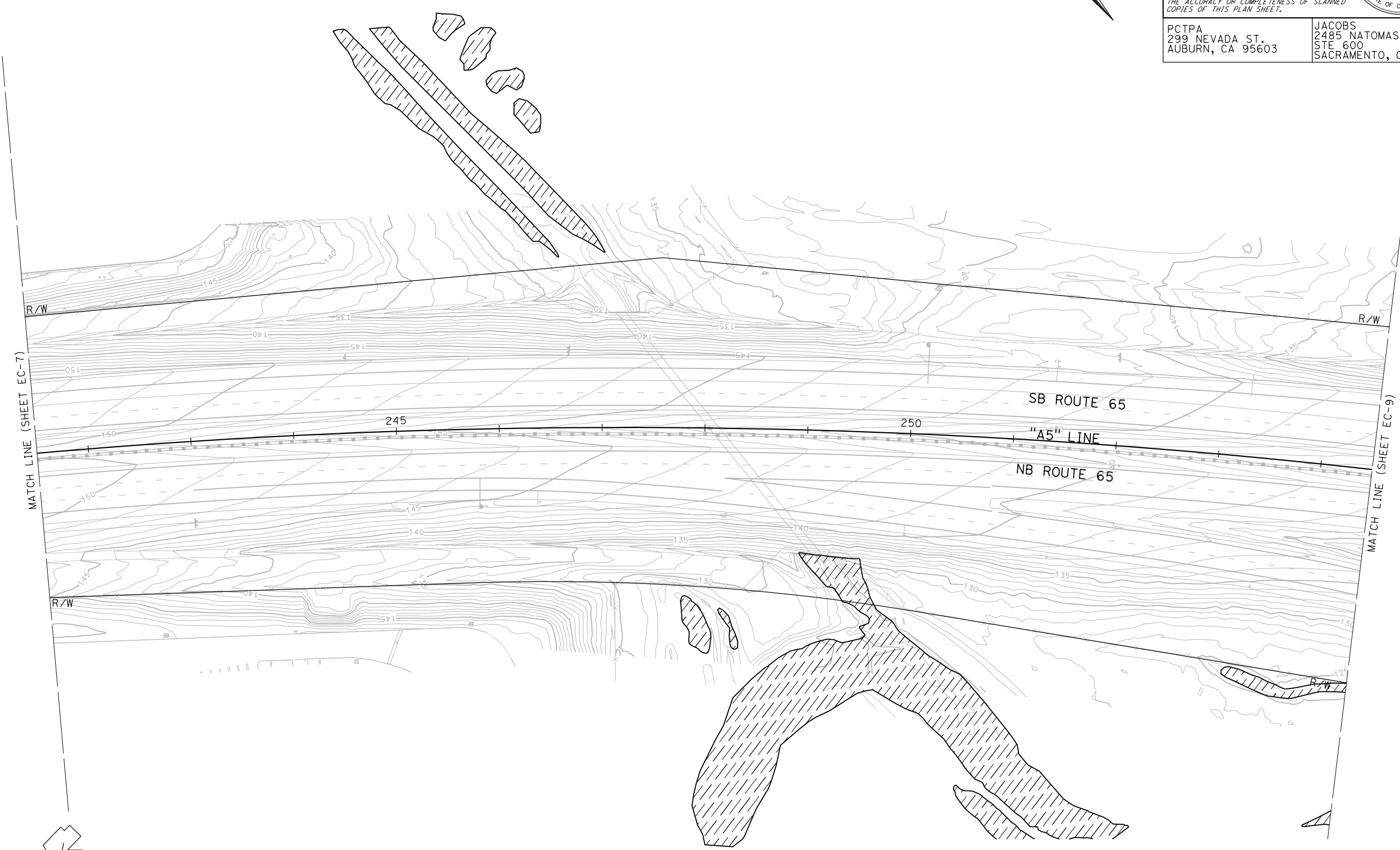
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 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



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- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	CHECKED BY	DATE REVISED
		G. MANOREK	
		C. AGUILAR RIVERA	



**KEYMAP**

**EROSION CONTROL PLAN**  
 SCALE: 1"=50'  
**EC-8**

APPROVED FOR EROSION CONTROL WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:53

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	57	230

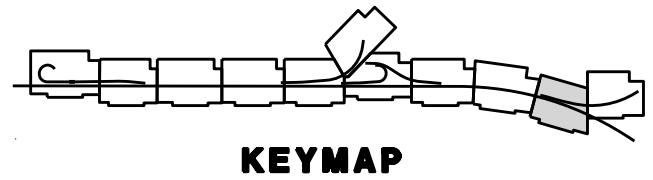
REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

PCTPA 299 NEVADA ST. AUBURN, CA 95603	JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833
---	--



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.



**EROSION CONTROL PLAN**  
SCALE: 1"=50'  
**EC-9**

APPROVED FOR EROSION CONTROL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR
<b>Stantec</b> LANDSCAPE ARCHITECTURE	C. BENSON	C. AGUILAR RIVERA
	CHECKED BY	DATE REVISED
	G. MANOREK	

LAST REVISION    DATE PLOTTED => #DATE  
00-00-00    TIME PLOTTED => \$TIME



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	CHECKED BY	DATE
		C. AGUILAR RIVERA	REVISOR
		G. MANOREK	DATE

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- TEMPORARY DISTURBED SOIL AREAS TO BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF PROJECT.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	58	230

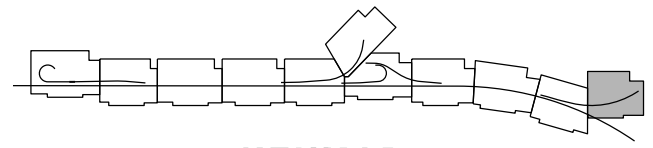
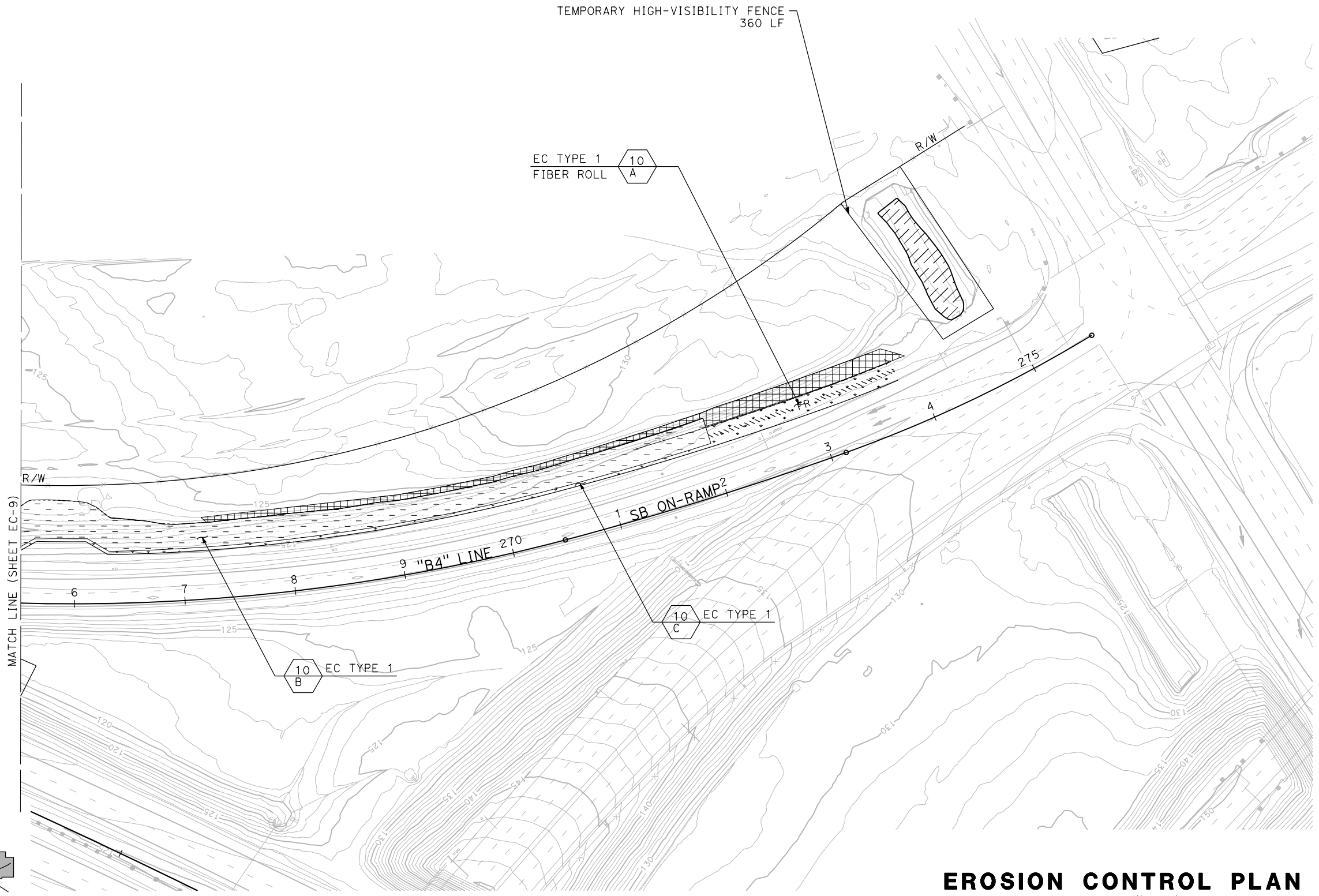
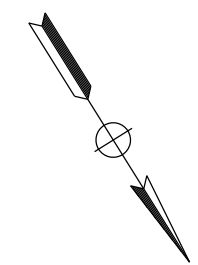
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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JACOBS  
2485 NATOMAS PARK DR.  
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SACRAMENTO, CA 95833



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**EROSION CONTROL PLAN**  
SCALE: 1"=50'  
**EC-10**

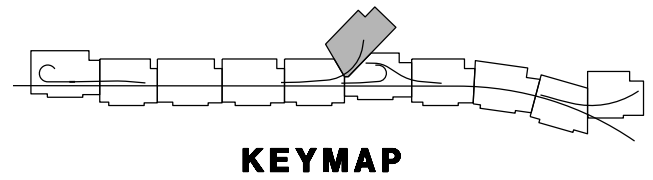
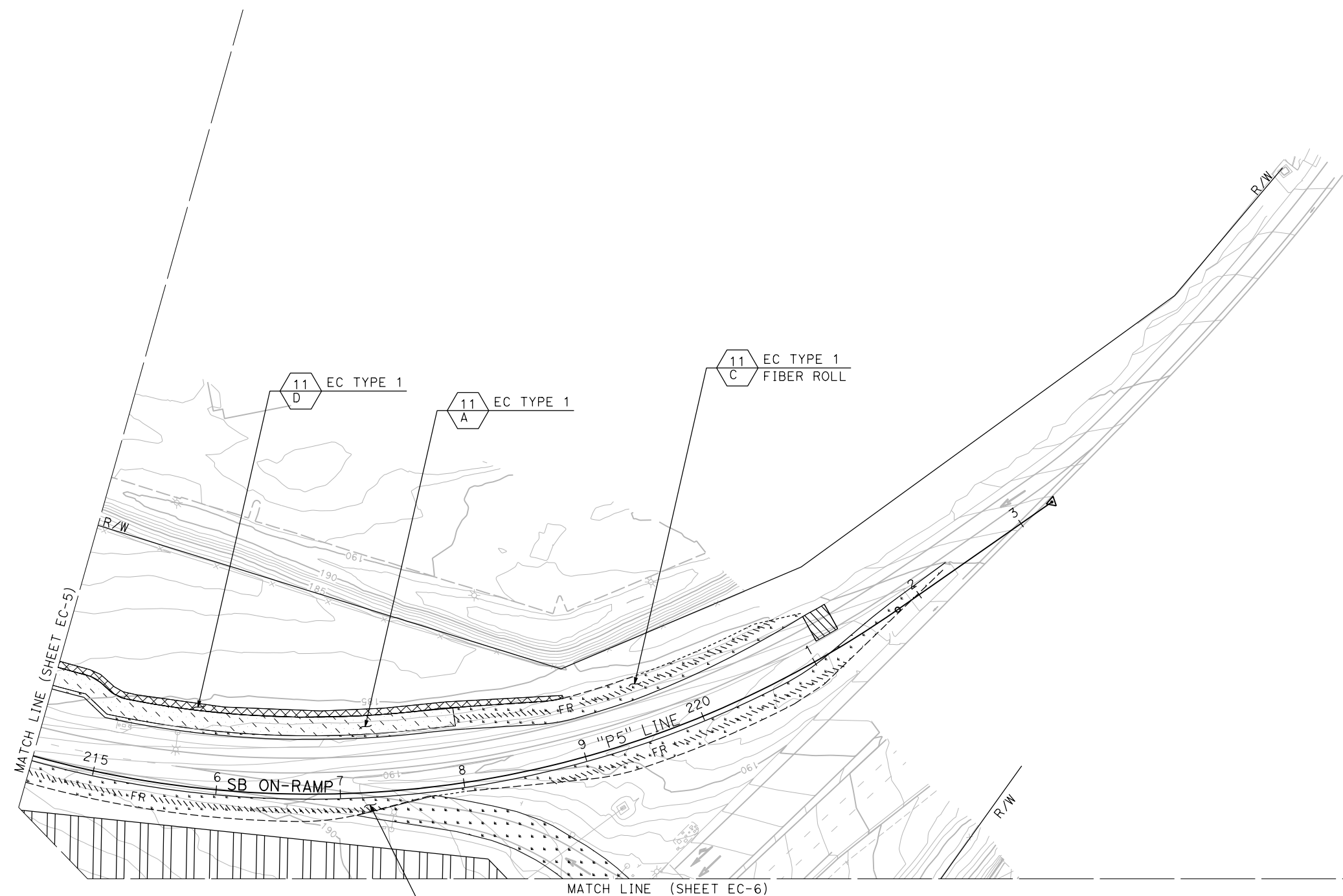
LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	59	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
<small>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.</small>					
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b> LANDSCAPE ARCHITECTURE	C. BENSON	CHECKED BY	DATE REVISED
		G. MANOREK	
		C. AGUILAR RIVERA	



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**EROSION CONTROL PLAN**  
SCALE: 1"=50'  
**EC-11**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:53

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** LANDSCAPE ARCHITECTURE

CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON

CALCULATED-DESIGNED BY: C. AGUILAR RIVERA  
 CHECKED BY: G. MANOREK

REVISED BY: DATE REVISED:

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	60	230

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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STE 600  
SACRAMENTO, CA 95833



### EROSION CONTROL QUANTITIES

EC SHEET NUMBER	LOCATION	EC TYPE	HYDROSEED		HYDROSEED MATERIALS (N)			FIBER ROLL	BIOFILTRATION STRIPS AND SWALES		
			SQFT	SQFT	SEED	FIBER	TACKIFIER		IMPORTED TOP SOIL	INCORPORATE MATERIAL	
											LB
1	A	1	20969	20969	19	963	72	1195			
	B	1	3432	3432	3	158	12				
	C	1	6910	6910	6	317	24				
	D	1	6017	6017	6	276	21				
	E	1	707	707	1	32	2				
2	A	1	31185	31185	29	1432	107	2022			
	B	1	13886	13886	13	638	48				
	C	1	4422	4422	4	203	15				
3	A	1	25346	25346	23	1164	87				
	B	1	57278	57278	53	2630	197	3365			
4	A	1	42311	42311	39	1943	146	2465			
	B	1	5952	5952	5	273	20				
	C	1	30492	30492	28	1400	105				
	D	1	1409	1409	1	65	5	86			
5	A	1	1748	1748	2	80	6				
	B	1	15195	15195	14	698	52	747			
	C	1	7211	7211	7	331	25				
	D	1	13529	13529	12	621	47	714			
	E	1	1077	1077	1	49	4				
	F	1	3734	3734	3	171	13		148	11396	
6	A	1	3083	3083	3	142	11	346			
	B	1	3298	32958	3	151	11	159			
	C	1	3984	3984	4	183	14	176			
	D	1	11569	11569	11	531	40	410			
	E	1	12780	12780	12	587	44	525			
	F	1	8580	8580	8	394	30				
	G	1	86718	86718	52	2604	195				
	H	1	17502	17502	16	804	60		213	3458	
	I	1	2121	2121	2	97	7				
	J	1	83076	83076	76	3814	286				
7	K	1	3866	3866	4	178	13		59	17034	
	L	1	1199	1199	1	55	4	59			
	M	1	830	830	1	38	3				
	A	1	6441	6441	6	296	22	168			
	B	1	1852	1852	2	85	6	85			
	C	1	20160	20160	19	926	69				
	D	1	1543	1543	1	71	5				
	E	1	302	302	0	14	1				
	9	A	1	3760	3760	3	173	13			
		B	1	6509	6509	6	299	22	417		
		C	1	6438	6438	6	296	22			
10	D	1	334	334	0	15	1				
	A	1	3579	3579	3	164	12	178			
	B	1	16610	16610	15	763	57		224	18114	
11	C	1	2146	2146	2	99	7				
	A	1	6649	6649	6	305	23				
	B	1	12377	12377	11	568	43	544			
	C	1	5343	5343	5	245	18	275			
TOTAL	D	1	2326	2326	2	107	8	276			
			595922	595922	547	27361	2052	14212	644	50002	

### QUANTITIES

STATION	LOCATION	PVC PIPE CONDUIT (SLEEVE)	TEMPORARY HIGH-VISIBILITY FENCE
		LF	LF
"G2" 159+85 TO 160+60			110
"G1" 163+85 TO 167+00			330
"A5" 174+00 TO 175+20			165
"A5" 175+65 to 176+35			94
"A5" 198+95 TO 199+35			55
"A5" 200+20 TO 200+55			57
"B4" 264+80 TO 265+65			242
"B4" 274+00 TO 275+00			360
"A5" 165+00	L+	12	
"G1" 170+00	L+	52	
"A5" 180+00	L+	49	
"A5" 191+50	L+	30	
"A5" 200+00	L+	74	
"P5" 214+00	L+	38	
"P5" 214+00	R+	14	
"A5" 214+05	L+	25	
"A5" 230+05	L+	2	
<b>TOTAL</b>		<b>296</b>	<b>1413</b>

## EROSION CONTROL QUANTITIES

NO SCALE

### ECQ-1

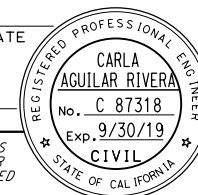
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LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:52

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

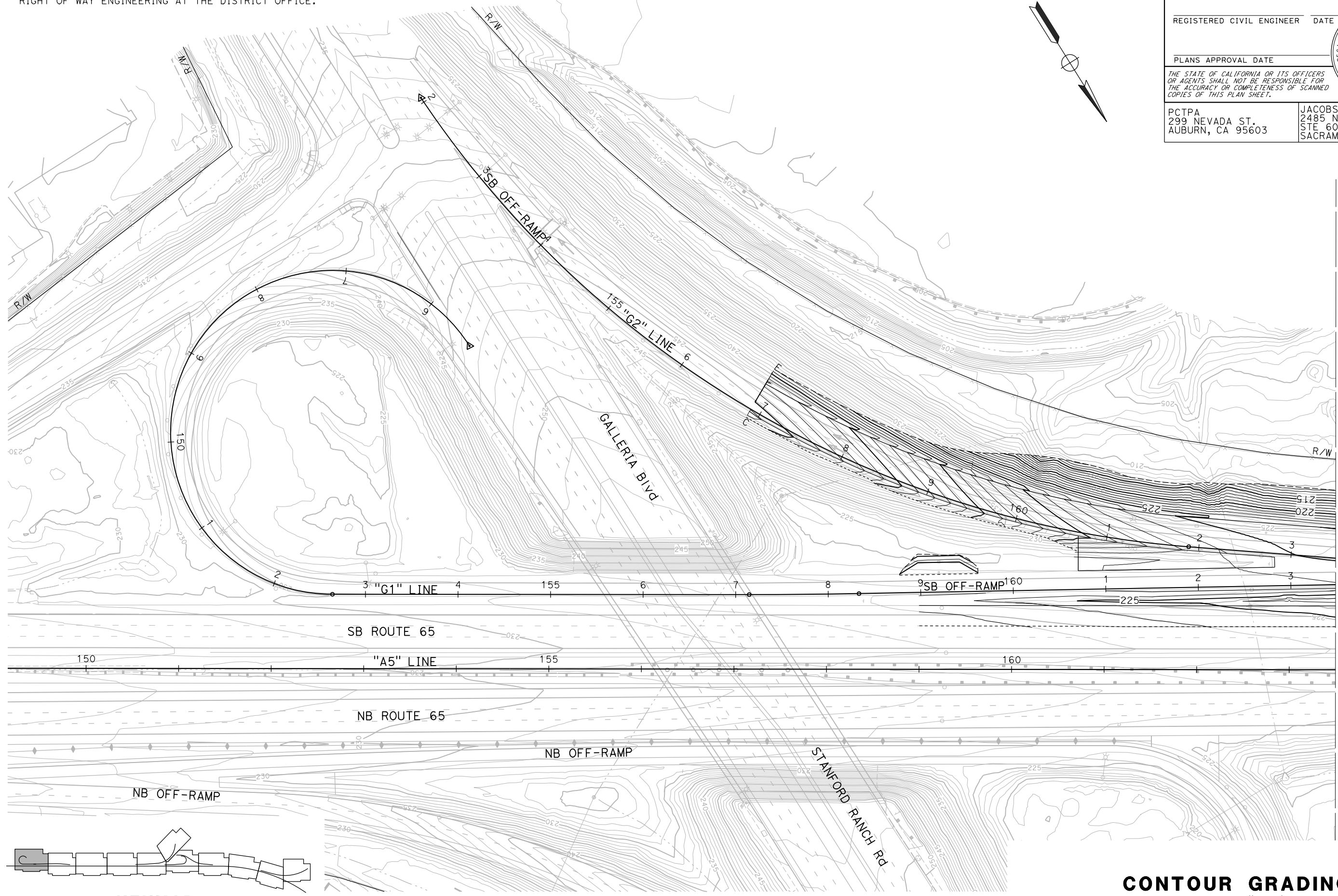
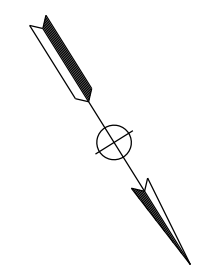
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	61	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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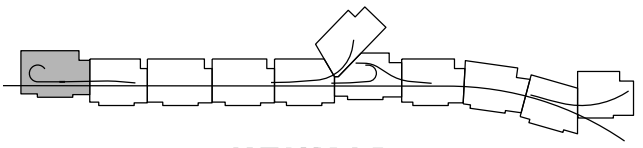
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 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



MATCH LINE (SHEET G-2)

**KEYMAP**



APPROVED FOR CONTOUR GRADING WORK ONLY

**CONTOUR GRADING**  
 SCALE: 1"=50'

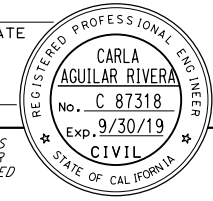
**G-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE REVISION
		C. AGUILAR RIVERA	
		G. MANOREK	

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:52

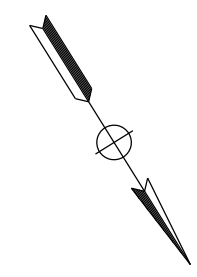
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	62	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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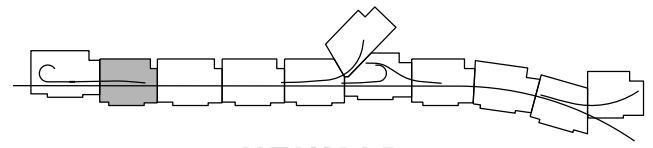
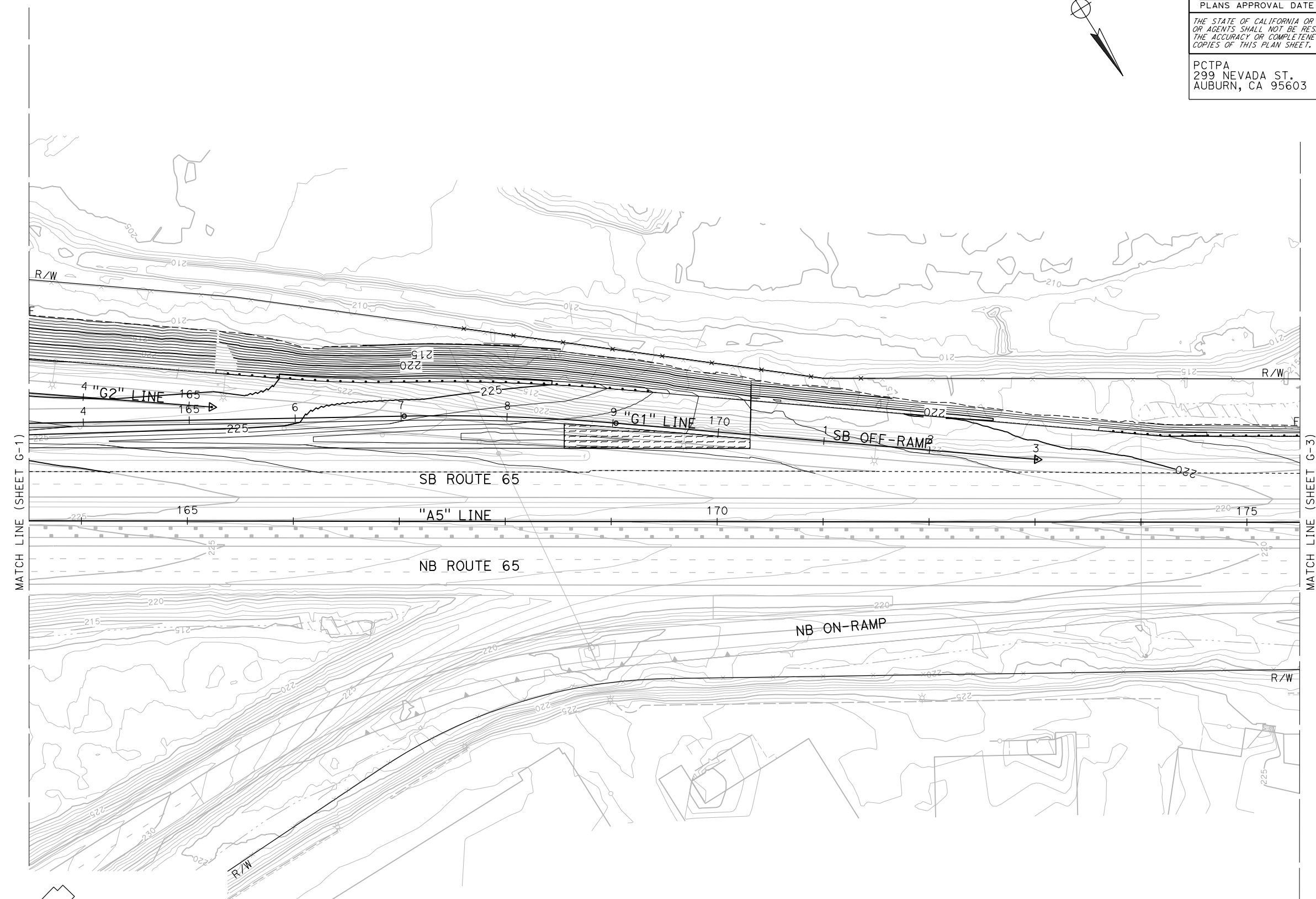
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 STE 600  
 SACRAMENTO, CA 95833



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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		C. AGUILAR RIVERA	REVISOR
		G. MANOREK	DATE



**CONTOUR GRADING**  
 SCALE: 1"=50'

APPROVED FOR CONTOUR GRADING WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:52

**NOTES:**

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

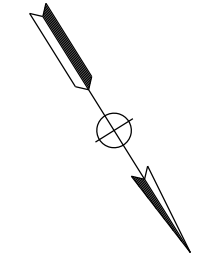
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	63	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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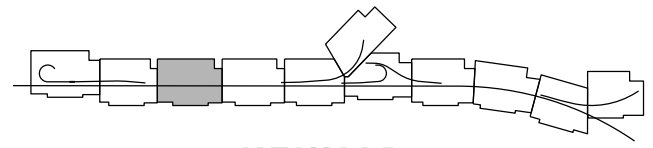
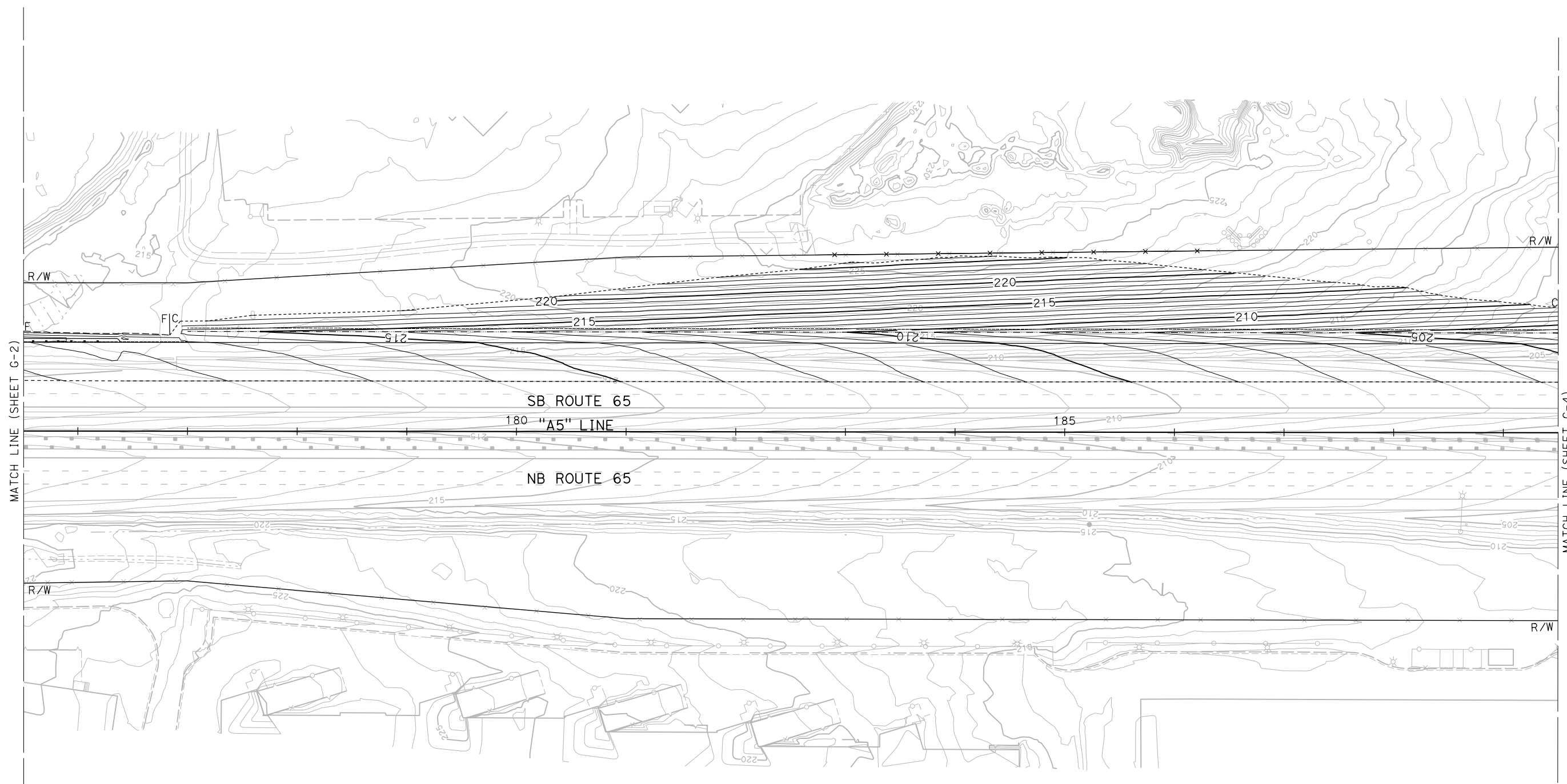


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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR BY
<b>Caltrans</b>	C. BENSON	C. AGUILAR RIVERA	G. MANOREK
	CHECKED BY	DATE	REVISOR DATE



**CONTOUR GRADING**  
 SCALE: 1"=50'

**G-3**

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

**NOTES:**  
 1. 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
03	Pld	65	R5.7/R8.2	64	230

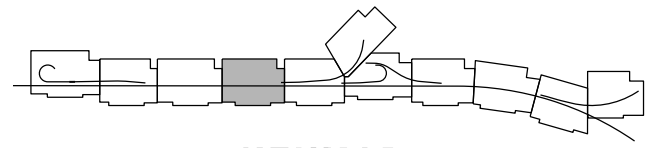
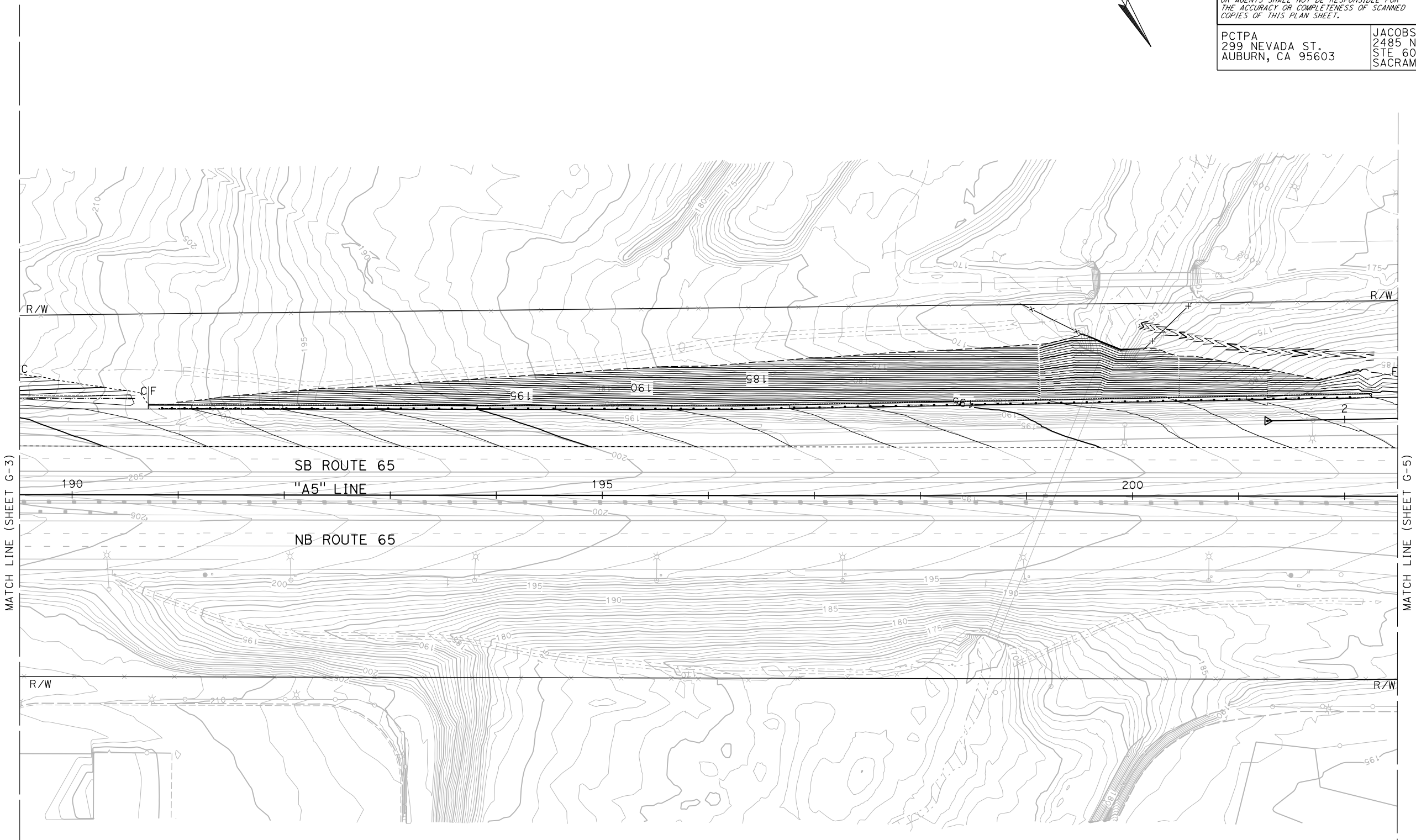
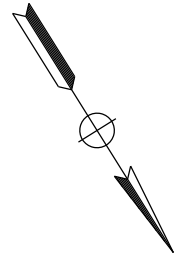
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER  
**CARLA AGUILAR RIVERA**  
 No. C 87318  
 Exp. 9/30/19  
 CIVIL  
 STATE OF CALIFORNIA

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**CONTOUR GRADING**  
 SCALE: 1"=50'

**G-4**

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
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 CALCULATED/DESIGNED BY: C. AGUILAR RIVERA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

**NOTES:**

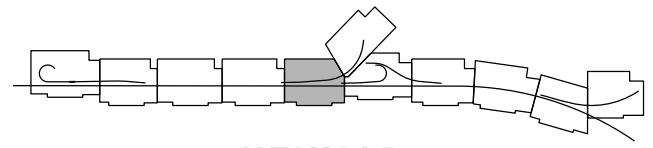
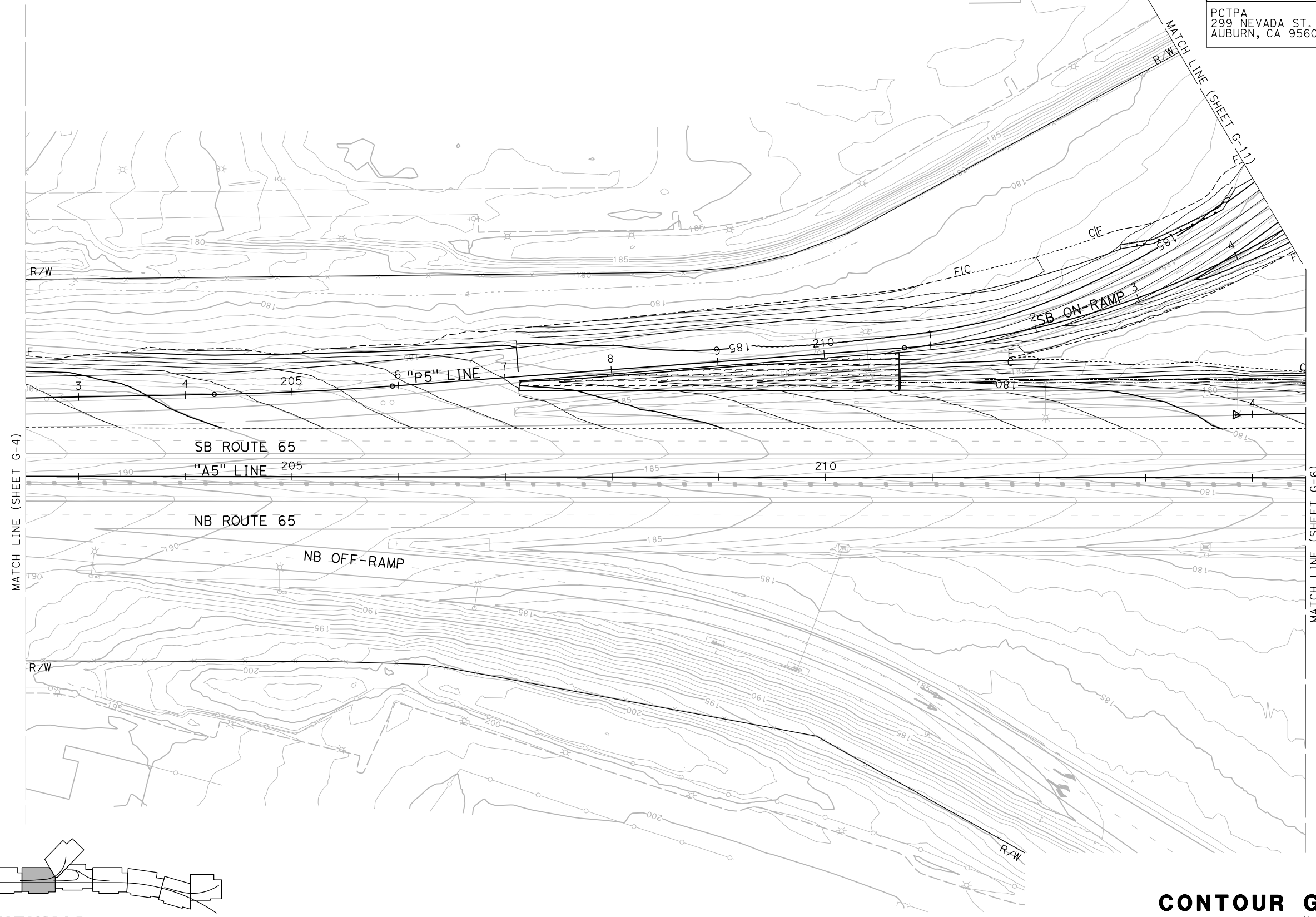
1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	65	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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**CONTOUR GRADING**  
 SCALE: 1"=50'

APPROVED FOR CONTOUR GRADING WORK ONLY

**G-5**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:52

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

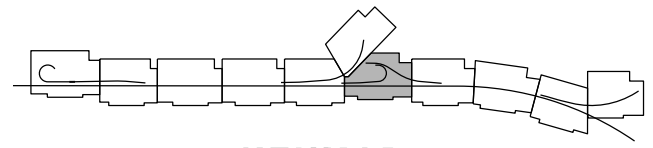
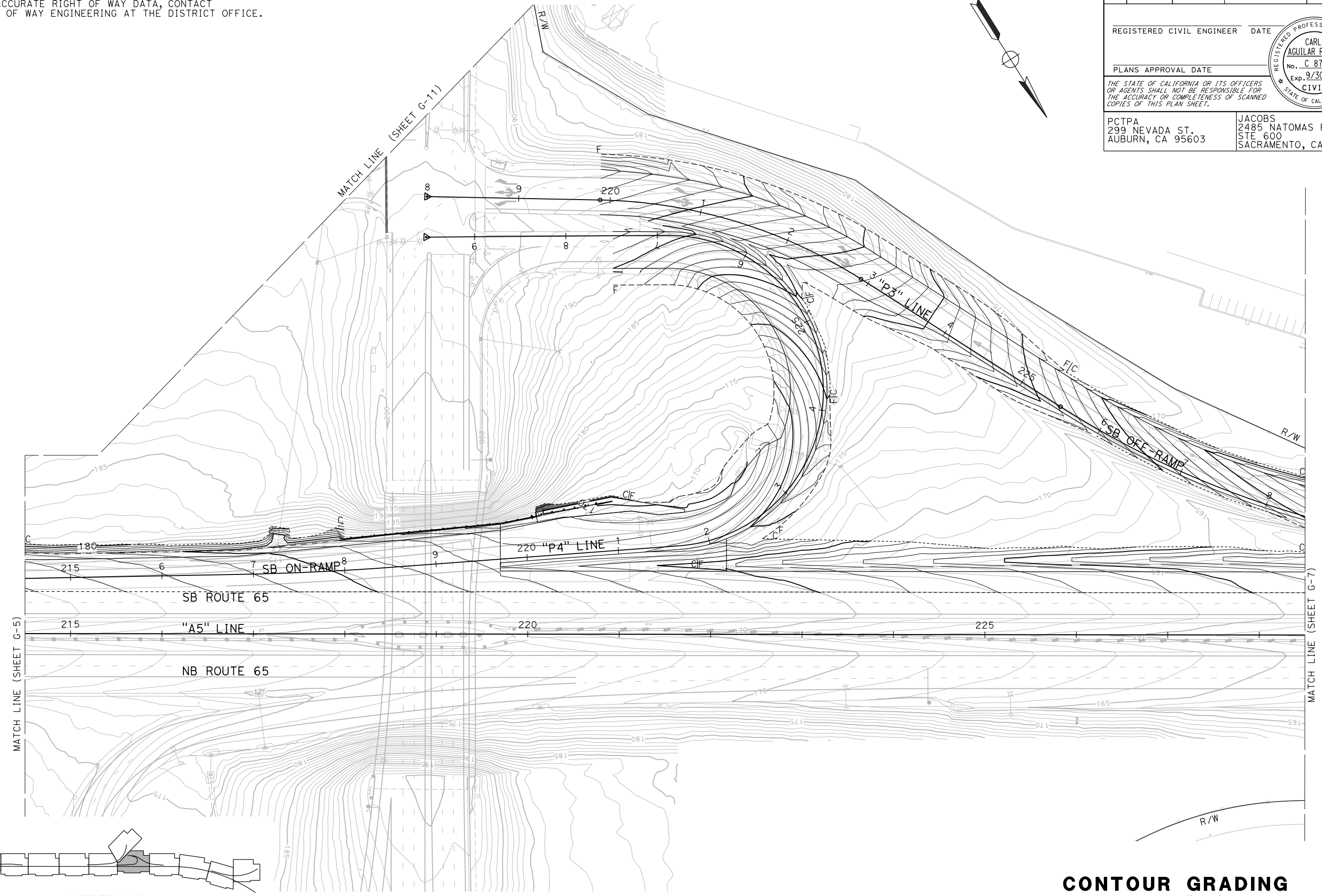
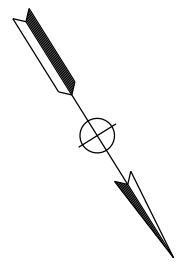
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	66	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 STE 600  
 SACRAMENTO, CA 95833



APPROVED FOR CONTOUR GRADING WORK ONLY

**CONTOUR GRADING**  
 SCALE: 1"=50'

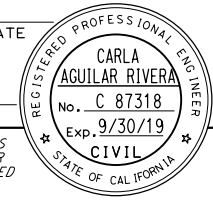
**G-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE REVISION
		C. AGUILAR RIVERA	
		G. MANOREK	

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

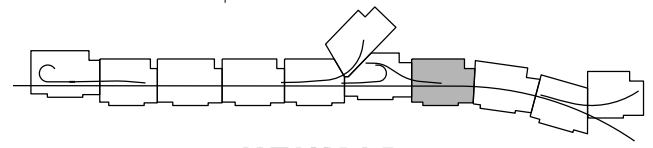
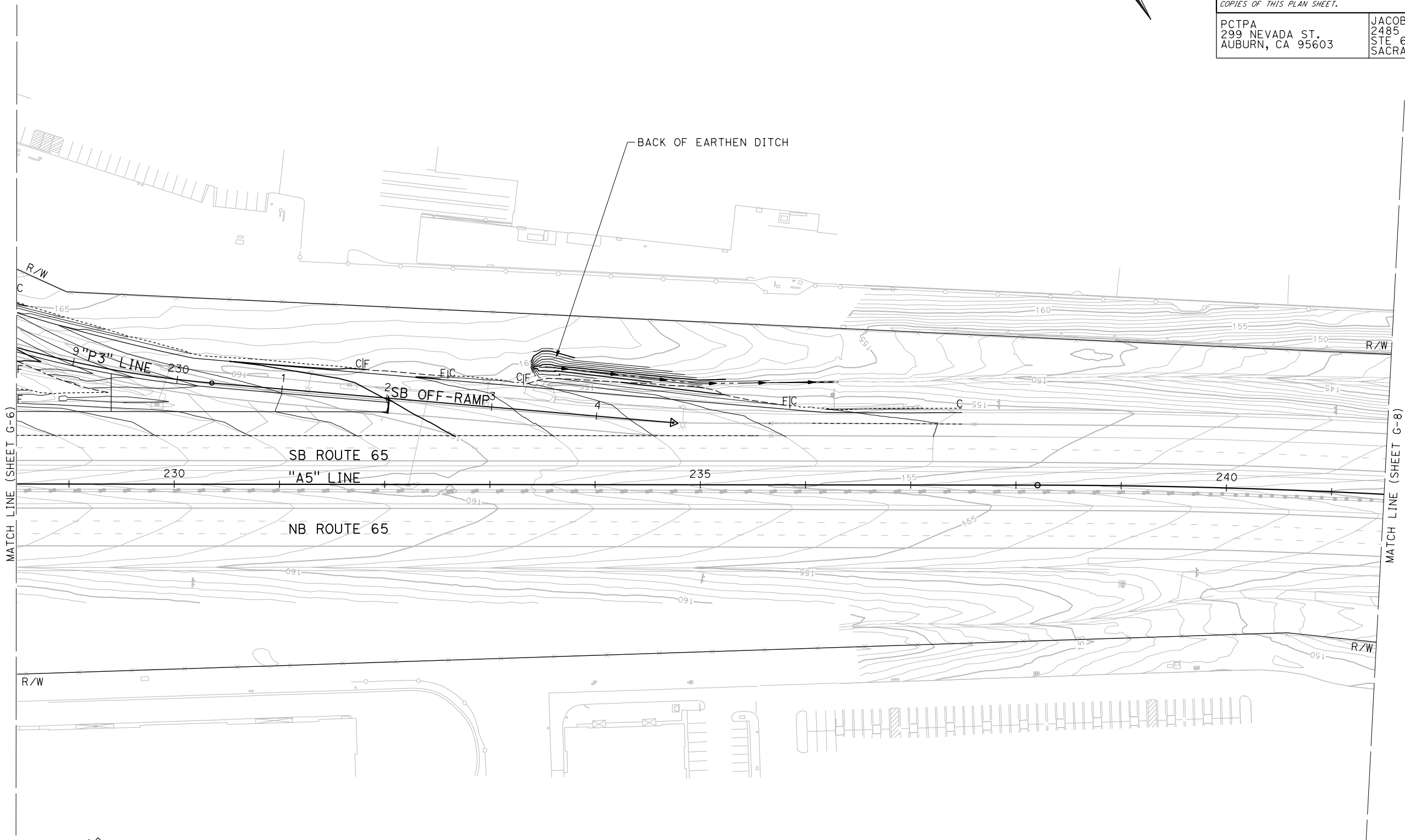
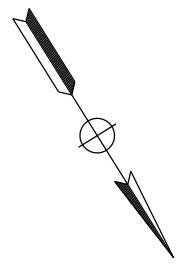
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	67	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**KEYMAP**

**CONTOUR GRADING**  
 SCALE: 1"=50'

**G-7**

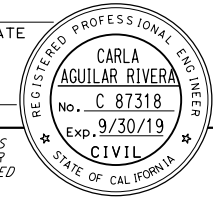
APPROVED FOR CONTOUR GRADING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		C. AGUILAR RIVERA	DATE
		G. MANOREK	REVISOR

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:53

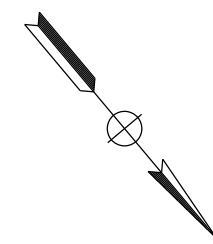
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	68	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



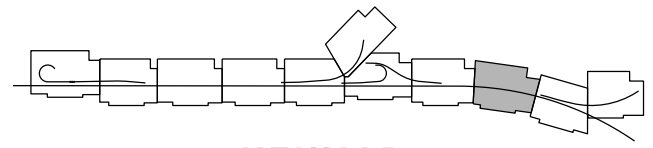
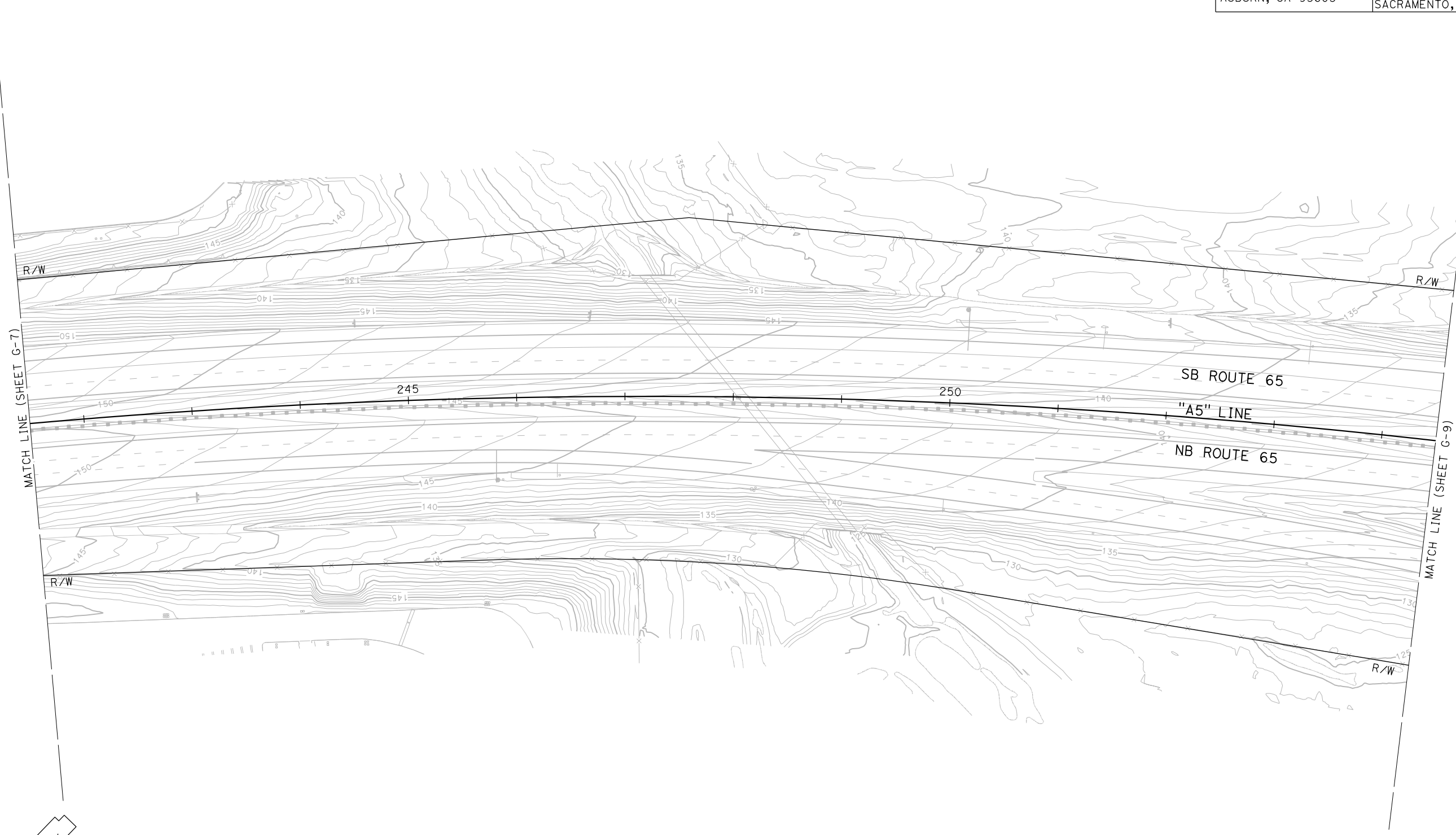
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	C. AGUILAR RIVERA G. MANOREK	DATE REVISION



**CONTOUR GRADING**  
 SCALE: 1"=50'

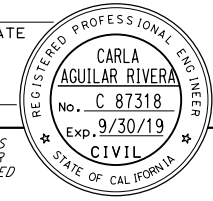
**G-8**

APPROVED FOR CONTOUR GRADING WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:51

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	69	230

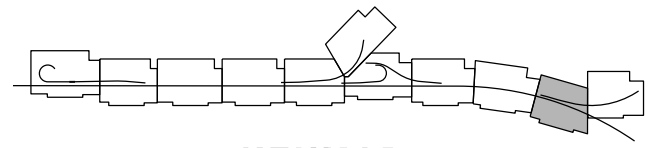
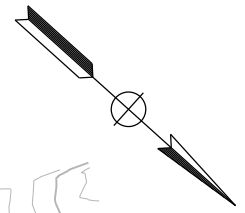
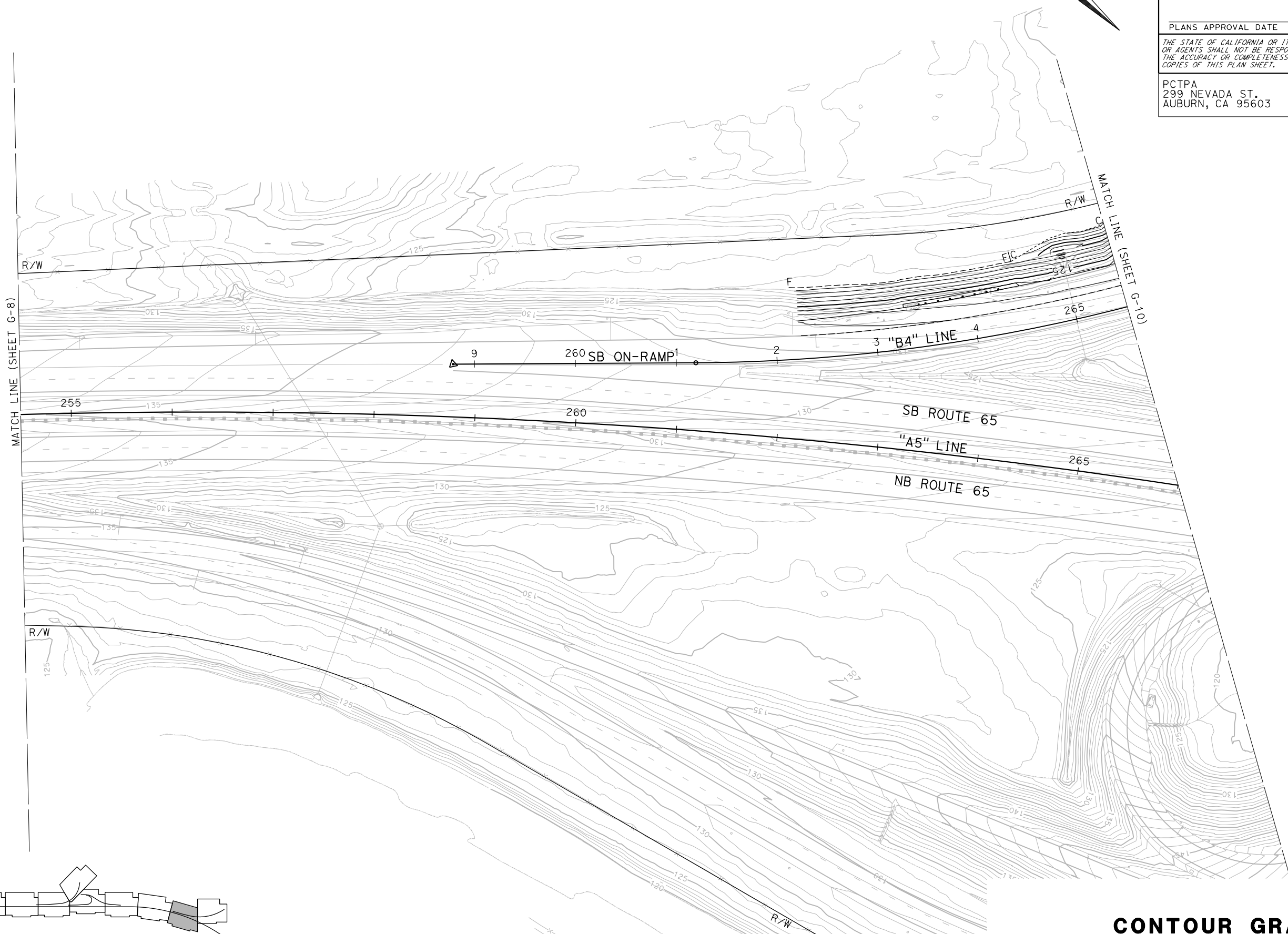
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

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



**KEYMAP**

**CONTOUR GRADING**  
 SCALE: 1"=50'

**G-9**

APPROVED FOR CONTOUR GRADING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	C. AGUILAR RIVERA G. MANOREK	C. AGUILAR RIVERA G. MANOREK

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:52



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		C. AGUILAR RIVERA	REVISOR
		G. MANOREK	DATE

**NOTES:**  
 1. 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
03	Pld	65	R5.7/R8.2	70	230

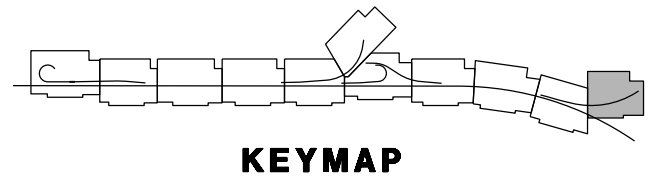
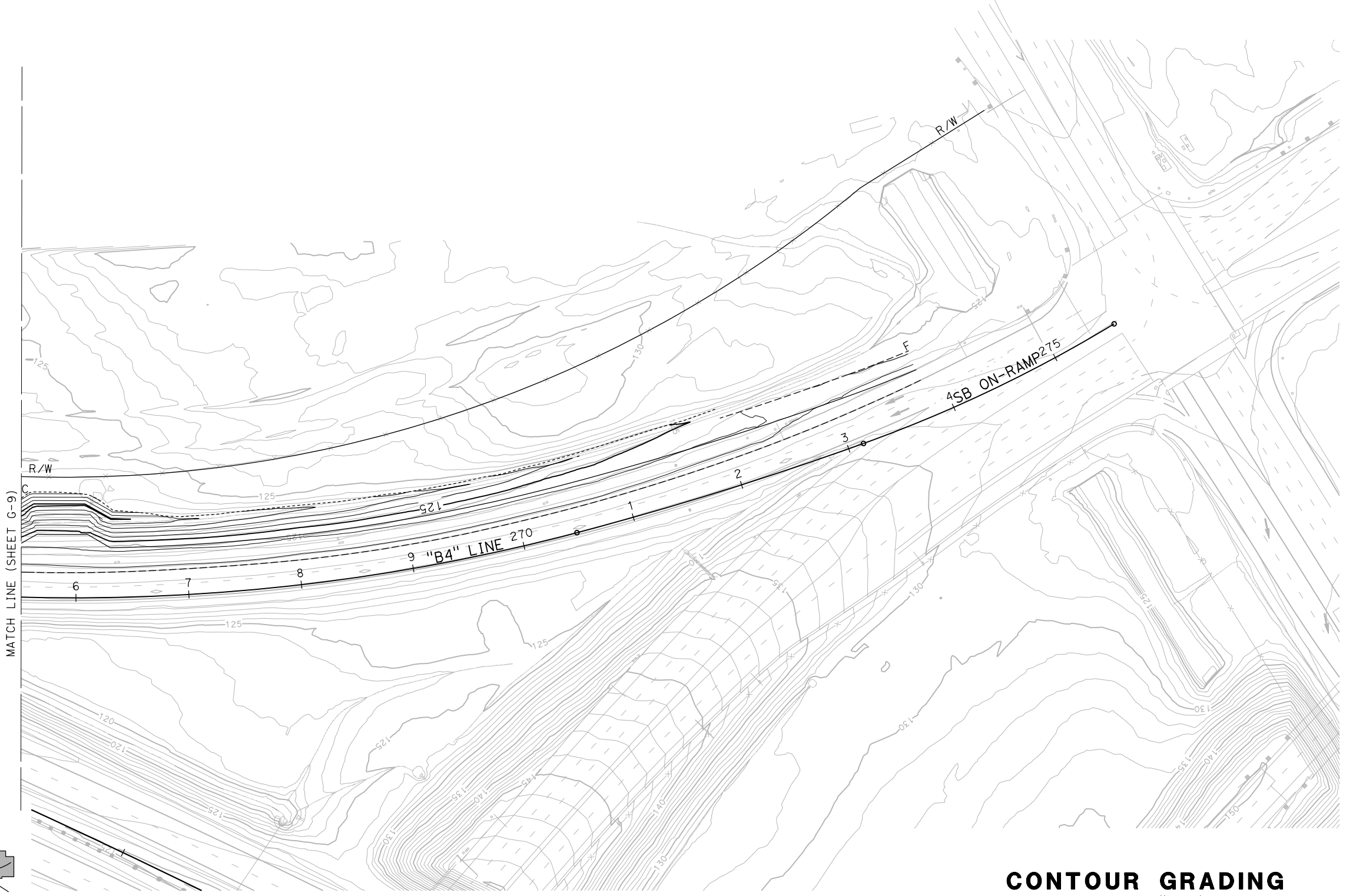
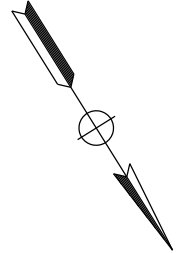
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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.

PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833



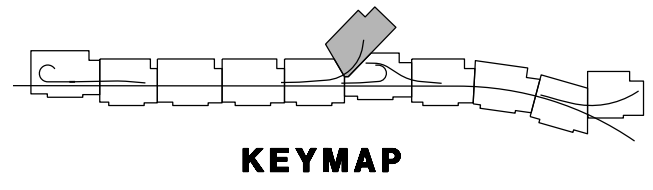
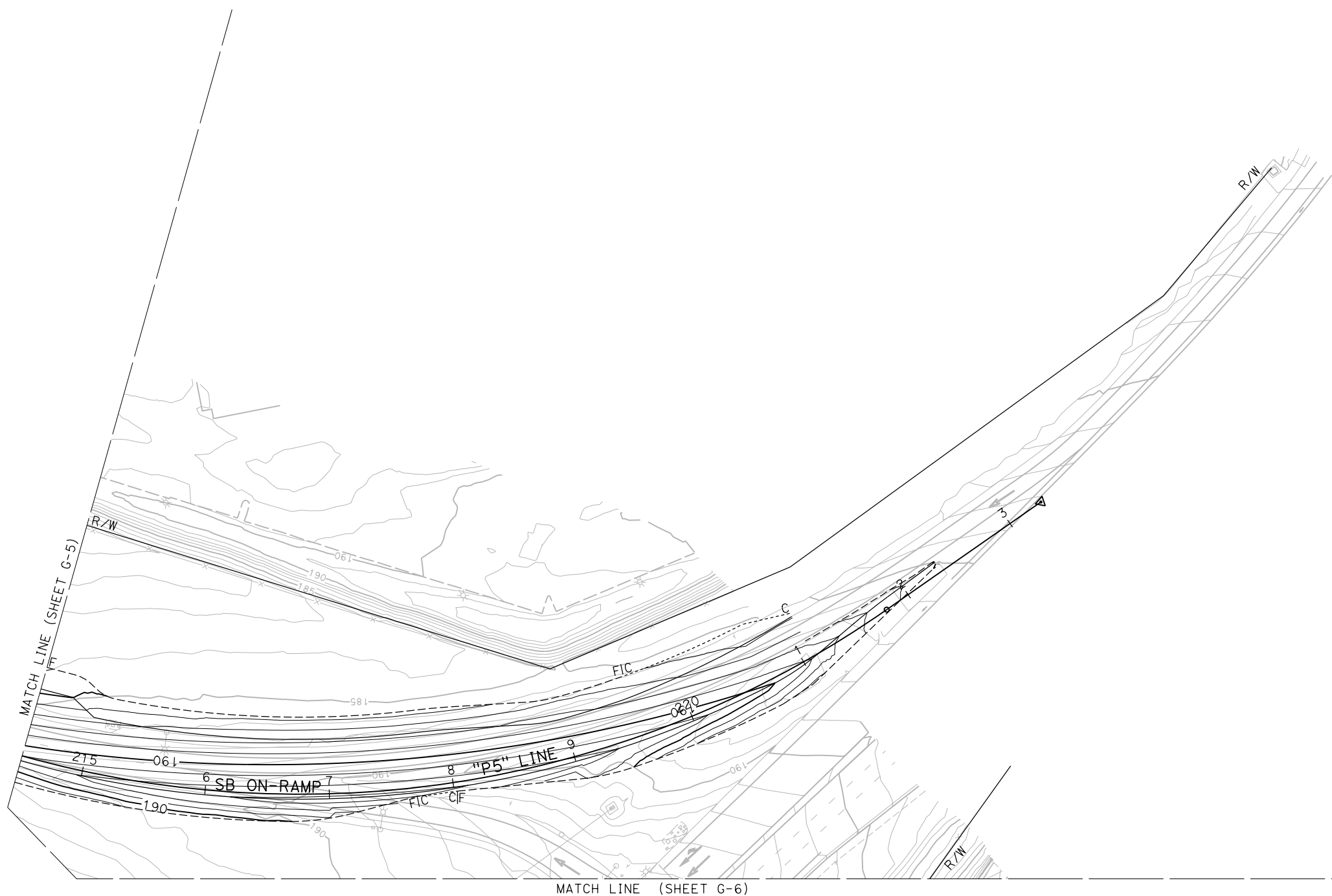
APPROVED FOR CONTOUR GRADING WORK ONLY

**CONTOUR GRADING**  
 SCALE: 1"=50'  
**G-10**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	71	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
<small>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.</small>					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833		

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



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
	C. BENSON	C. AGUILAR RIVERA	G. MANOREK
	CHECKED BY	REVISOR	DATE REVISOR

APPROVED FOR CONTOUR GRADING WORK ONLY

**CONTOUR GRADING**  
 SCALE: 1"=50'

**G-11**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: A. KELLOGG  
 CHECKED BY: R. HENDERSON  
 REVISED BY: DATE REVISED

- NOTES:**
- FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  - HORIZONTAL AND VERTICAL CONTROL LOCATIONS OF EXISTING STORM DRAINS ARE BASED ON BEST AVAILABLE INFORMATION. ACTUAL LOCATIONS MAY VARY FROM THOSE SHOWN. VERIFY LOCATION AND ELEVATIONS OF ALL STORM DRAINS PRIOR TO CONSTRUCTION AND REPORT ANY MAJOR DISCREPANCIES TO THE ENGINEER.
  - FOR TEMPORARY HIGH-VISIBILITY FENCE, SEE EC SHEETS.
  - FOR DOWNDRAIN DETAILS, SEE DD-1.
  - ABANDON EDGE DRAINS PER THE SPECIFICATIONS.

**ABBREVIATIONS:**  
 Abnd ABANDONED  
 TG TOP OF GRATE

- LEGEND:**
- # DRAINAGE SYSTEM No.
  - x DRAINAGE UNIT No.
  - EXISTING INLET
  - PROPOSED INLET
  - FLOW LINE
  - ROCK SLOPE PROTECTION (RSP)
  - EXISTING CULVERT
  - BIOFILTRATION STRIP OR SWALE
  - ENVIRONMENTALLY SENSITIVE AREA
  - ALTERNATIVE FLARED END SECTION (AFES)
- 1** (a) RSP (SEE SHEET DD-4)  
 (b) 18" DD AND FES (SEE SHEET DD-1)
- 2** (a) Mod G2 DI W/RISER CONNECTION (SEE SHEET DD-2)  
 REMOVE 4' OF Exist 36" PIPE RISER  
 (b) 18" AP  
 (c) G1 DI W/CONCRETE APRON (SEE SHEET DD-3)  
 (d) EARTHEN DITCH (L=397') (SEE SHEET DD-3)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	72	230

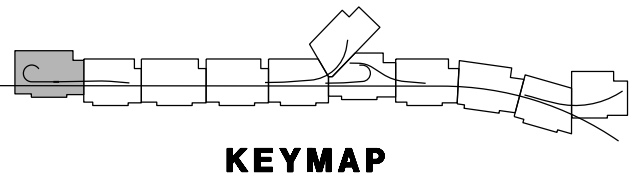
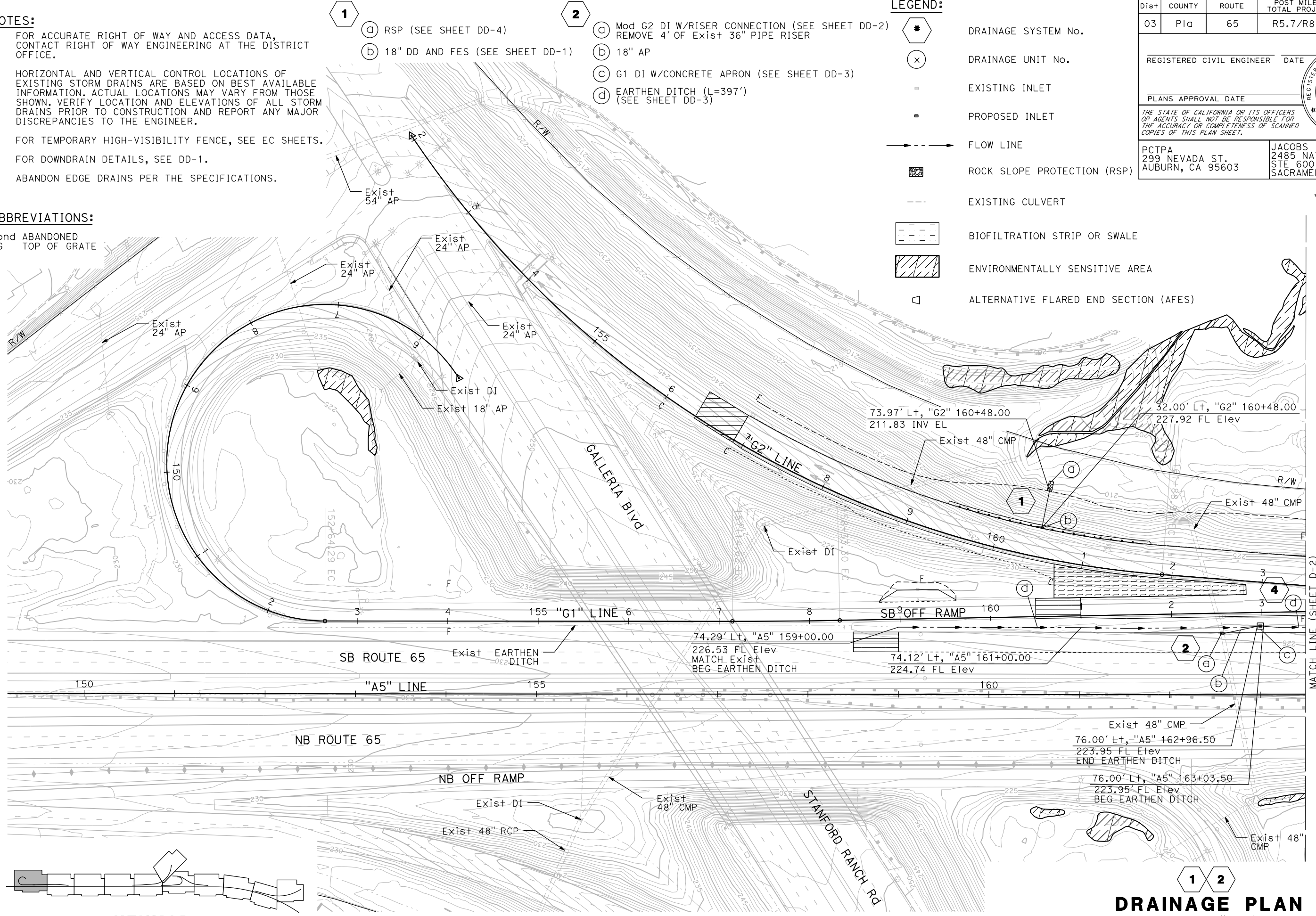
REGISTERED CIVIL ENGINEER DATE  
 ASHLEY E. KELLOGG  
 No. C 76561  
 Exp 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA

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.

PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



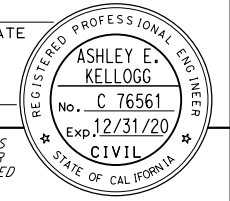
**1 2**  
**DRAINAGE PLAN**  
 SCALE: 1"=50'

APPROVED FOR DRAINAGE WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:57

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	73	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.

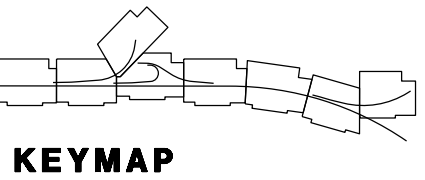
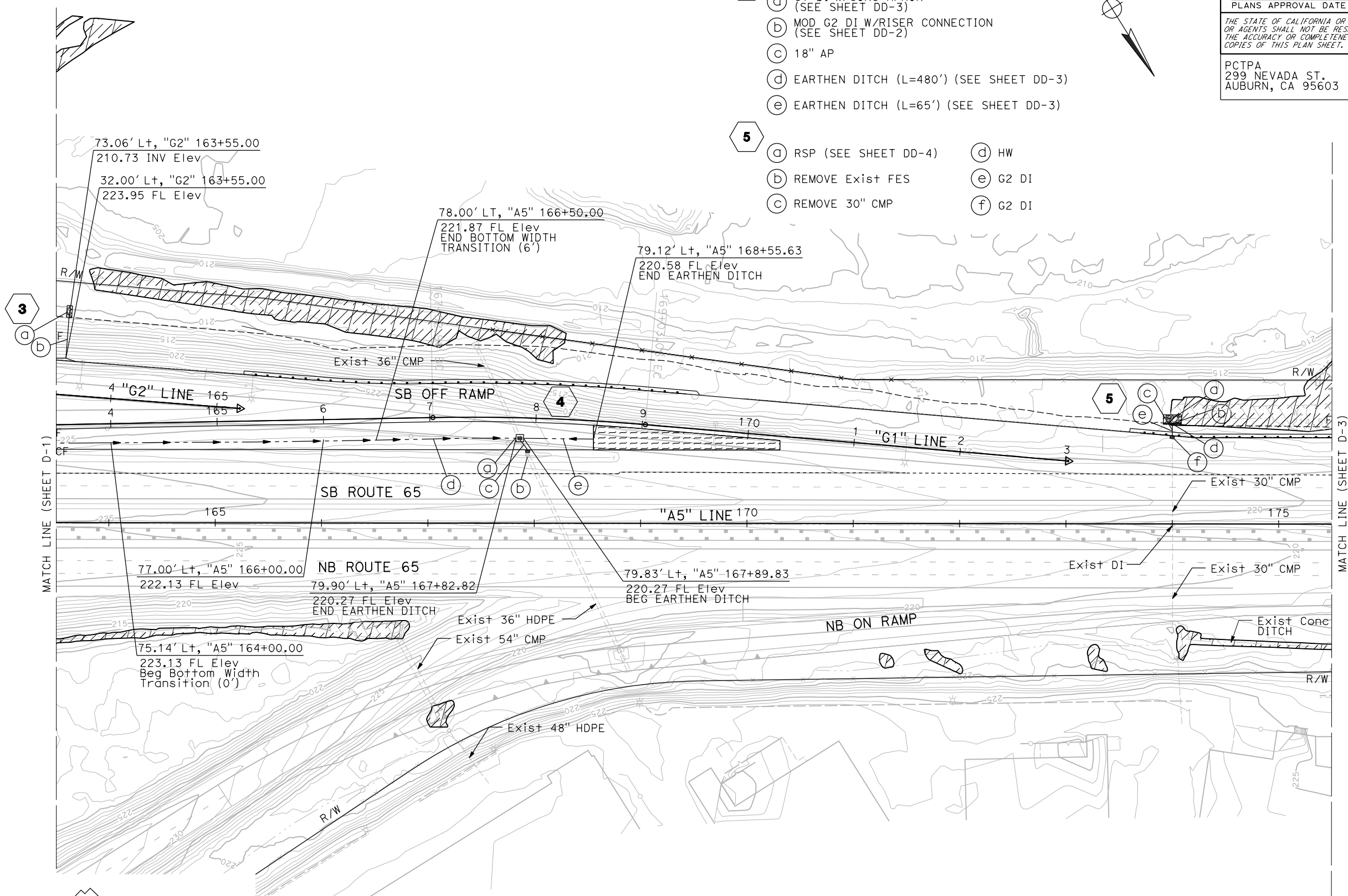
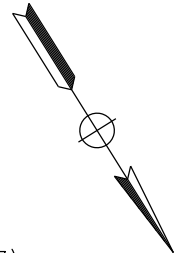


PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

- 3**
  - (a) RSP (SEE SHEET DD-4)
  - (b) 18" DD AND FES (SEE SHEET DD-1)
- 4**
  - (a) G1 DI W/CONC APRON (SEE SHEET DD-3)
  - (b) MOD G2 DI W/RISER CONNECTION (SEE SHEET DD-2)
  - (c) 18" AP
  - (d) EARTHEN DITCH (L=480') (SEE SHEET DD-3)
  - (e) EARTHEN DITCH (L=65') (SEE SHEET DD-3)
- 5**
  - (a) RSP (SEE SHEET DD-4)
  - (b) REMOVE Exist FES
  - (c) REMOVE 30" CMP
  - (d) HW
  - (e) G2 DI
  - (f) G2 DI



**3 4 5**  
**DRAINAGE PLAN**  
 SCALE: 1"=50'

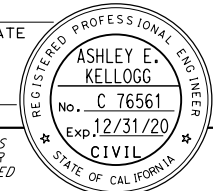
**D-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	A. KELLOGG	R. HENDERSON
		CHECKED BY	DATE REVISED

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:53

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	74	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.

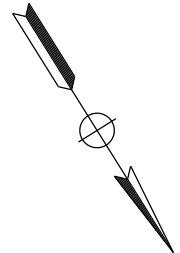


PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

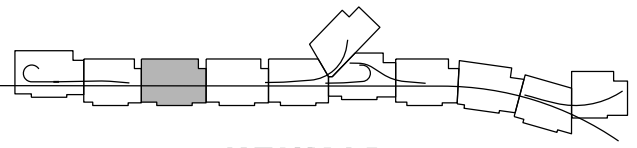
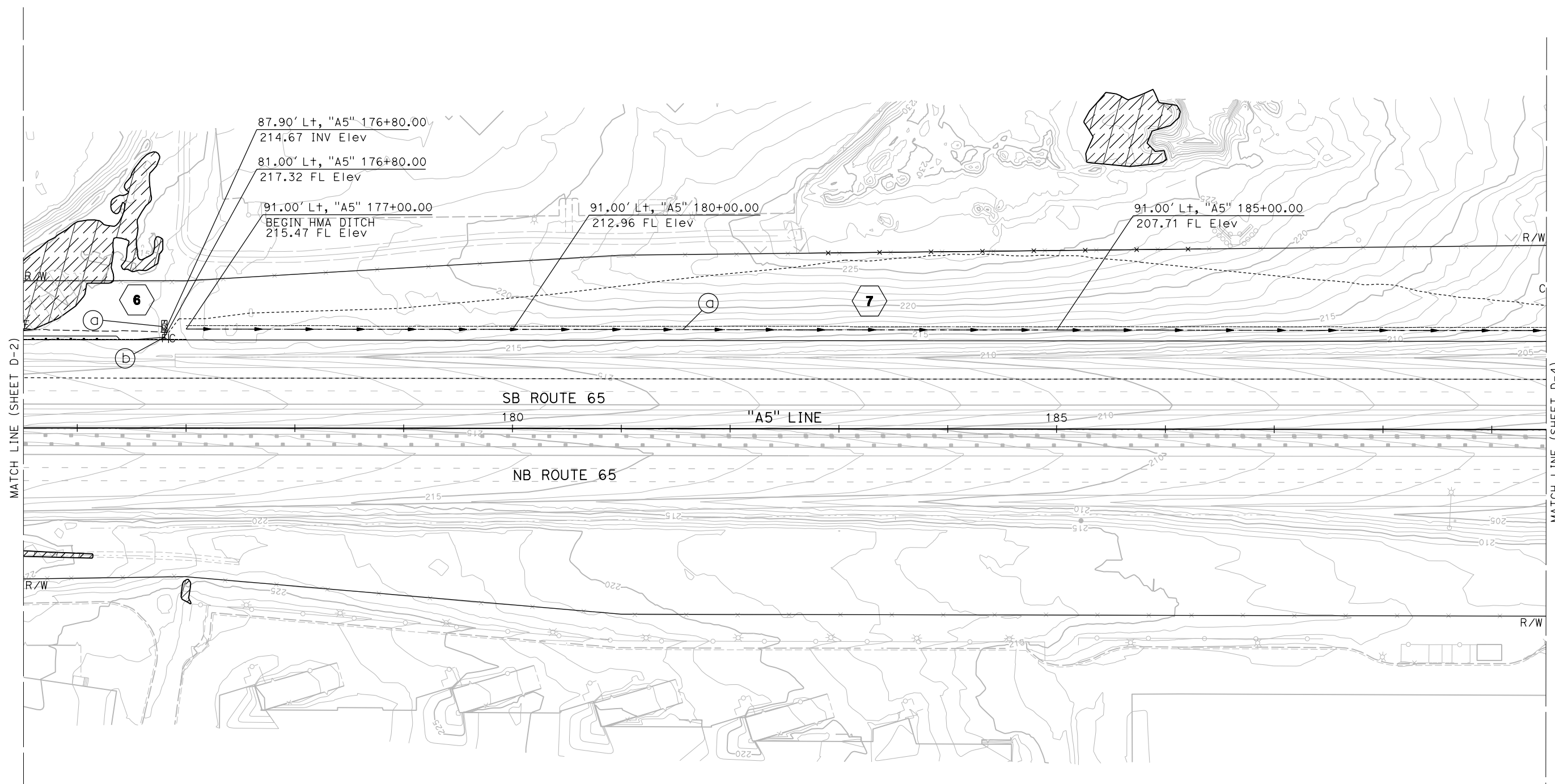
JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

- 6
  - a RSP (SEE SHEET DD-4)
  - b 18" DD AND FES (SEE SHEET DD-1)
- 7
  - a HMA DITCH (SEE SHEET X-2)



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 REVISED BY  
 DATE REVISD  
 A. KELLOGG  
 R. HENDERSON  
 C. BENSON



6 7  
**DRAINAGE PLAN**  
 SCALE: 1"=50'

APPROVED FOR DRAINAGE WORK ONLY

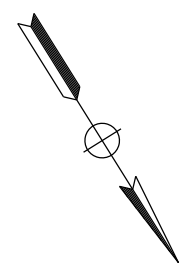
**D-3**

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:54

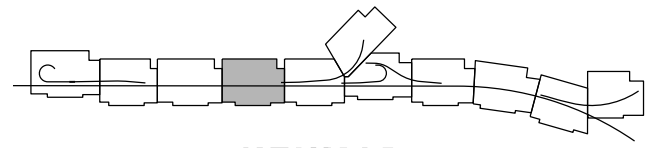
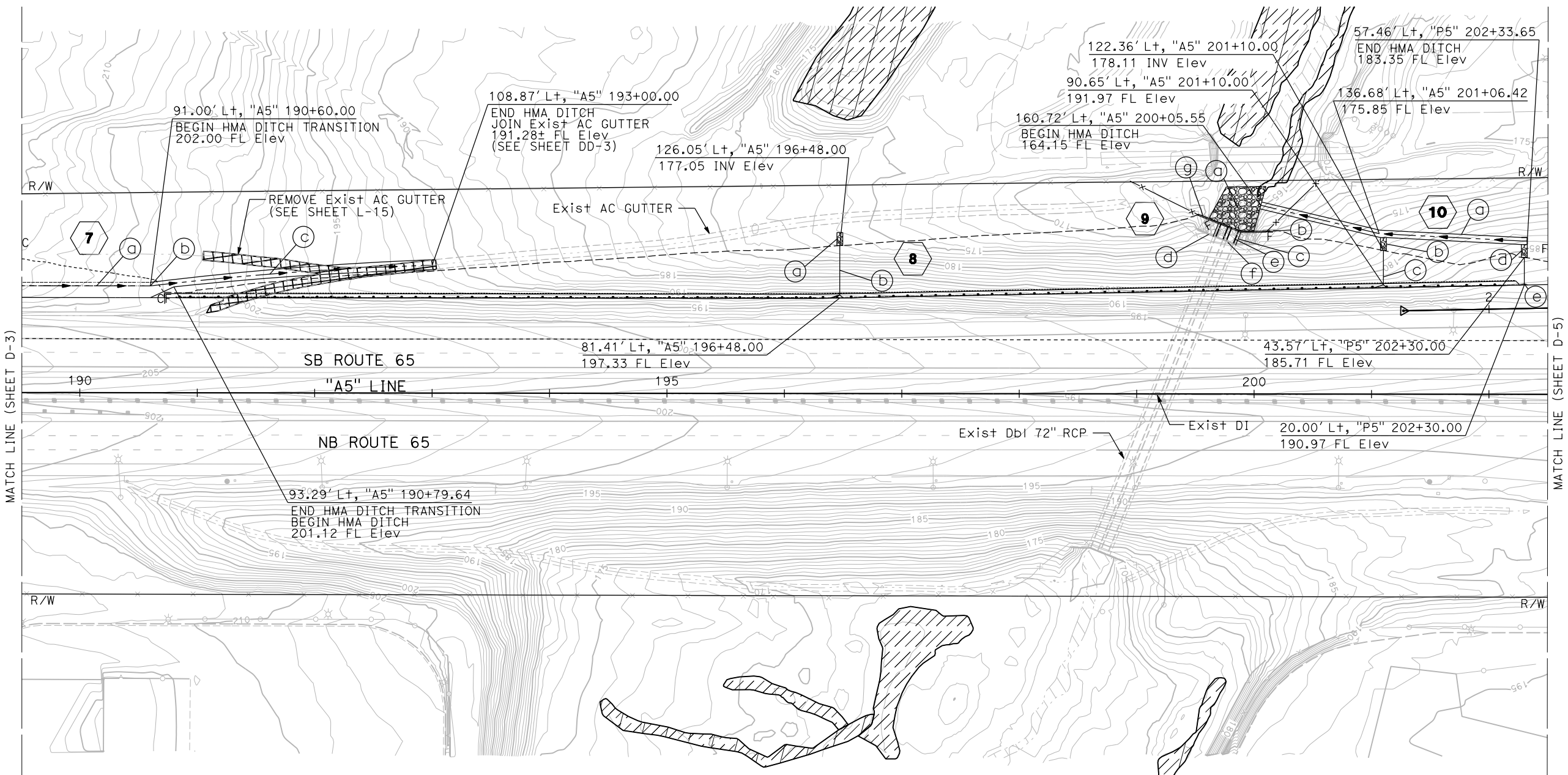
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED-DESIGNED BY: A. KELLOGG  
 CHECKED BY: R. HENDERSON  
 REVISED BY: A. KELLOGG  
 DATE REVISED: R. HENDERSON

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

- |  |  |  |
|--|--|--|
| <p><b>7</b></p> <ul style="list-style-type: none"> <li>(a) HMA DITCH (SEE SHEET X-2)</li> <li>(b) HMA DITCH TRANSITION (SEE SHEET DD-3)</li> <li>(c) HMA DITCH (SEE SHEET DD-3)</li> </ul> <p><b>8</b></p> <ul style="list-style-type: none"> <li>(a) RSP (SEE SHEET DD-4)</li> <li>(b) 18" DD AND FES (SEE SHEET DD-1)</li> </ul> | <p><b>9</b></p> <ul style="list-style-type: none"> <li>(a) RSP (SEE SHEET DD-4)</li> <li>(b) HW (SEE SHEET DD-5)</li> <li>(c) DBL 72" RCP</li> <li>(d) REMOVE HW</li> <li>(e) Conc COLLAR (SEE SHEET DD-6)</li> <li>(f) REMOVE RSP</li> <li>(g) CABLE RAILING</li> </ul> | <p><b>10</b></p> <ul style="list-style-type: none"> <li>(a) HMA DITCH (SEE SHEET DD-3)</li> <li>(b) RSP (SEE SHEET DD-4)</li> <li>(c) 18" DD AND FES (SEE SHEET DD-1)</li> <li>(d) RSP (SEE SHEET DD-4)</li> <li>(e) HMA OVERSIDE DRAIN</li> </ul> |
|--|--|--|



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	75	230
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833		



**KEYMAP**

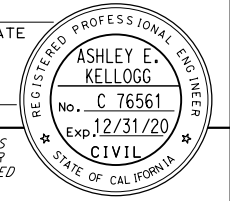
**7 8 9 10**  
**DRAINAGE PLAN**  
 SCALE: 1"=50'

**D-4**



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	76	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.

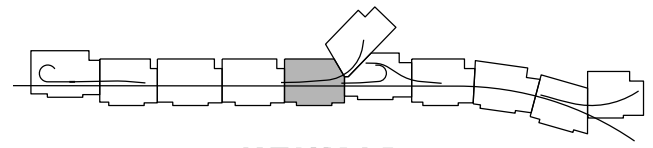
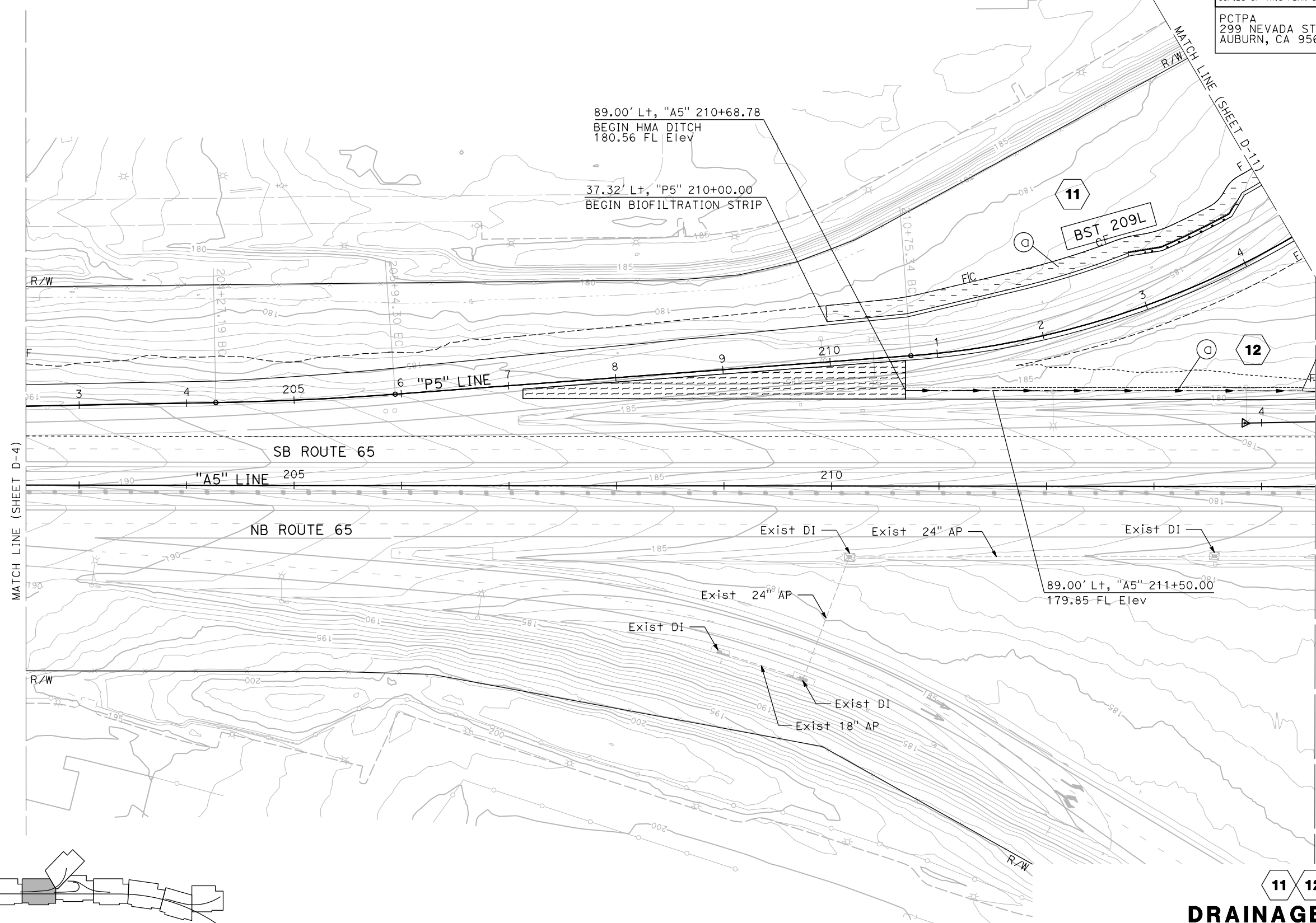


PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

- 11 (a) BIOFILTRATION STRIP AND TBMP MARKER (SEE SHEET DD-7)
- 12 (a) HMA DITCH (SEE SHEET X-3)



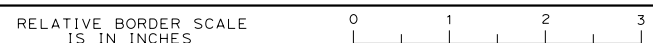
**KEYMAP**

**DRAINAGE PLAN**  
 SCALE: 1"=50'

**D-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR BY
<b>Caltrans</b>	C. BENSON	A. KELLOGG	A. KELLOGG
		R. HENDERSON	R. HENDERSON

APPROVED FOR DRAINAGE WORK ONLY



BORDER LAST REVISED 7/2/2010

USERNAME => pwsvc  
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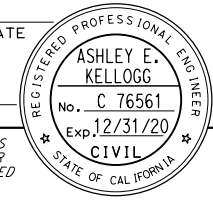
UNIT 0303

PROJECT NUMBER & PHASE 0320000055 03-1F1714

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	77	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

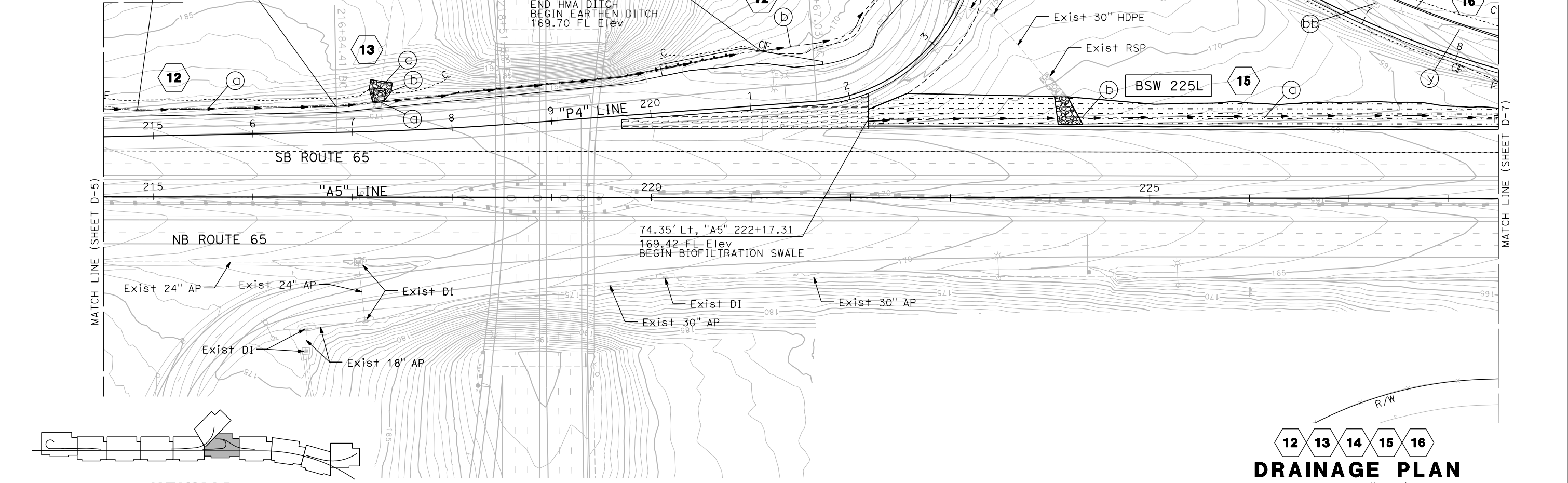
**NOTES:**

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

- 12
  - (a) HMA DITCH (SEE SHEET X-4)
  - (b) EARTHEN DITCH (L=156') (SEE SHEET DD-8)
- 13
  - (a) RSP (SEE SHEET DD-4)
  - (b) REMOVE 24" CMP, L=12 LF AND CMP TEE
  - (c) 24" CMP TEE (SEE SHEET DD-4)
- 14
  - (a) BIOFILTRATION STRIP AND TBMP MARKER (SEE SHEET DD-8)
- 15
  - (a) BIOFILTRATION SWALE AND TBMP MARKER (SEE SHEET DD-9)
  - (b) RSP JUNCTION (SEE SHEET DD-9)
- 16
  - (y) REMOVE 18" HDPE (cc) G1 DI
  - (z) 24" AP (dd) REMOVE EXIST DI

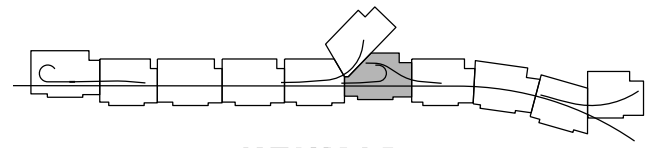
PI, 26.00' Lt, "P4" 216+84.41  
 174.46 FL Elev

26.00' Lt, "P4" 214+84.57  
 176.54 FL Elev



MATCH LINE (SHEET D-5)

MATCH LINE (SHEET D-7)



**KEYMAP**

12 13 14 15 16  
**DRAINAGE PLAN**  
 SCALE: 1"=50'

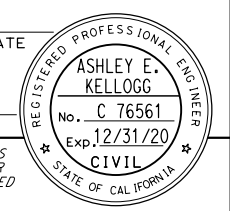
**D-6**

APPROVED FOR DRAINAGE WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:54

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	78	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

**NOTES:**

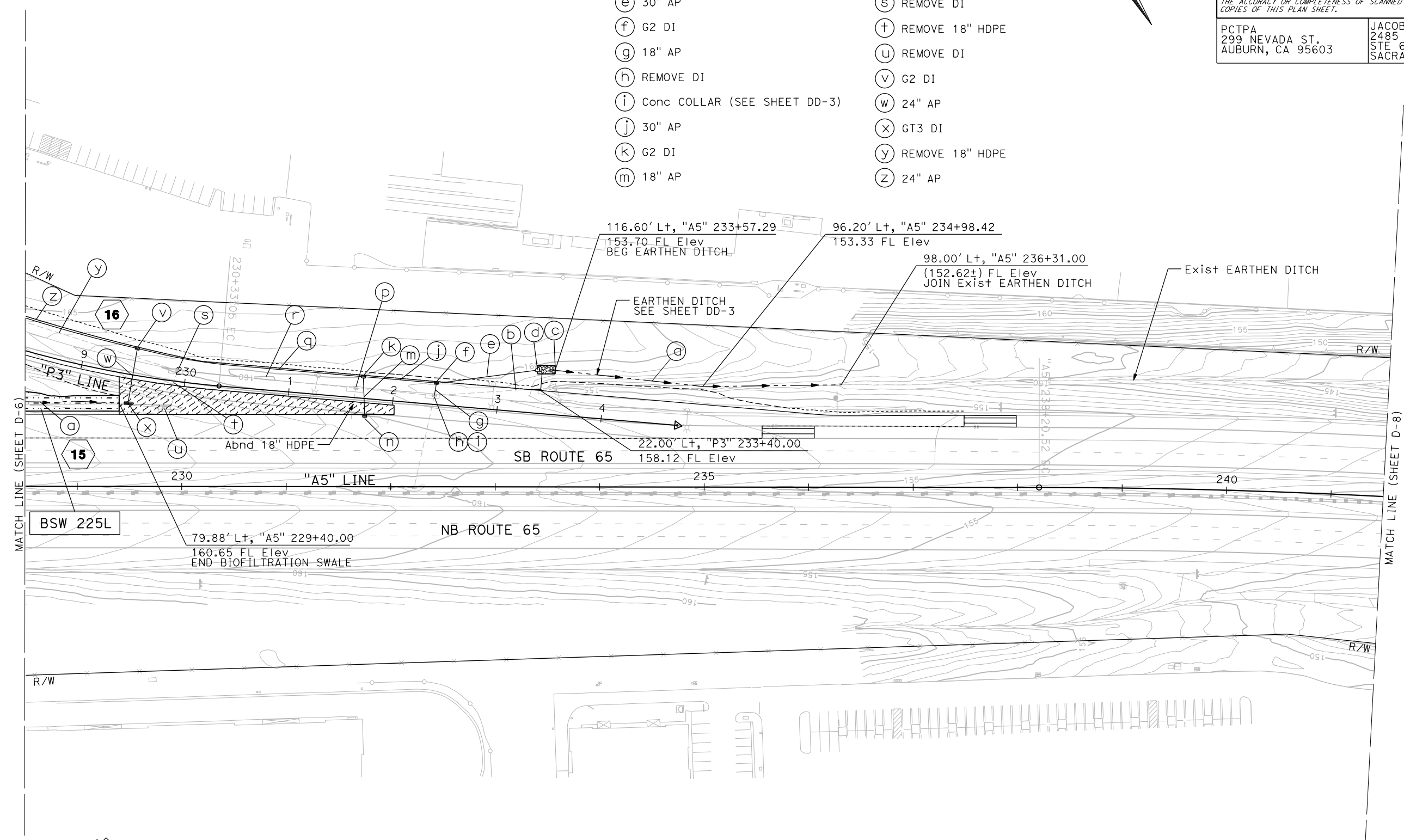
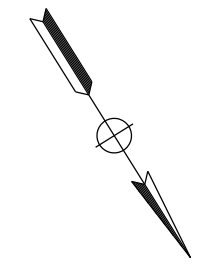
1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**15**

(a) BIOFILTRATION SWALE (SEE SHEET DD-9)

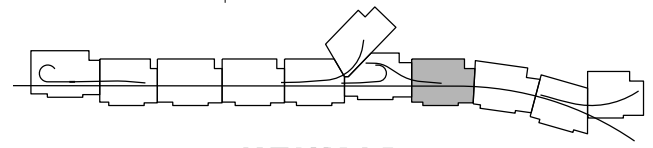
**16**

- (a) EARTHEN DITCH (L=280')
- (b) REMOVE 30" HDPE AND FES
- (c) HMA OVERSIDE DRAIN and RSP (SEE SHEET DD-4)
- (d) FES
- (e) 30" AP
- (f) G2 DI
- (g) 18" AP
- (h) REMOVE DI
- (i) Conc COLLAR (SEE SHEET DD-3)
- (j) 30" AP
- (k) G2 DI
- (m) 18" AP
- (n) G1 DI
- (p) REMOVE DI
- (q) 30" AP
- (r) REMOVE 30" HDPE
- (s) REMOVE DI
- (t) REMOVE 18" HDPE
- (u) REMOVE DI
- (v) G2 DI
- (w) 24" AP
- (x) GT3 DI
- (y) REMOVE 18" HDPE
- (z) 24" AP



MATCH LINE (SHEET D-6)

MATCH LINE (SHEET D-8)



**KEYMAP**

**15 16**  
**DRAINAGE PLAN**  
 SCALE: 1"=50'

**D-7**

APPROVED FOR DRAINAGE WORK ONLY



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	A. KELLOGG	A. KELLOGG
		CHECKED BY	DATE
		R. HENDERSON	

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plac	65	R5.7/R8.2	79	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

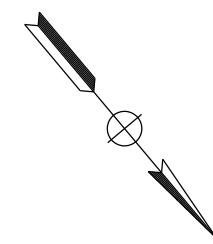
PLANS APPROVAL DATE \_\_\_\_\_

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.

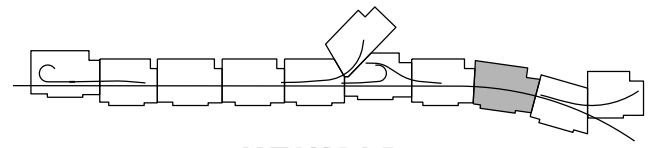
PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833

REGISTERED PROFESSIONAL ENGINEER  
 ASHLEY E. KELLOGG  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA



NO DRAINAGE WORK THIS SHEET



**KEYMAP**

**DRAINAGE PLAN**  
 SCALE: 1"=50'

**D-8**

APPROVED FOR DRAINAGE WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:54

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	A. KELLOGG	A. KELLOGG
		CHECKED BY	DATE
		R. HENDERSON	

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

- 17**
- (a) BIOFILTRATION STRIP AND SWALE AND TBMP MARKER (SEE SHEET DD-10)
  - (b) RSP (SEE SHEET DD-4)
  - (c) FES
  - (d) 48" AP
  - (e) REMOVE FES
  - (f) Conc COLLAR (SEE SHEET DD-3)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	80	230

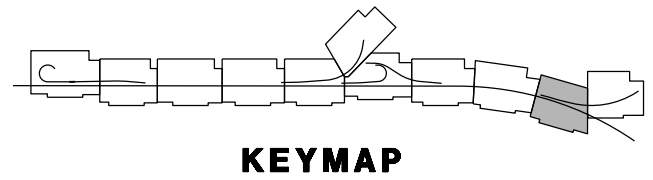
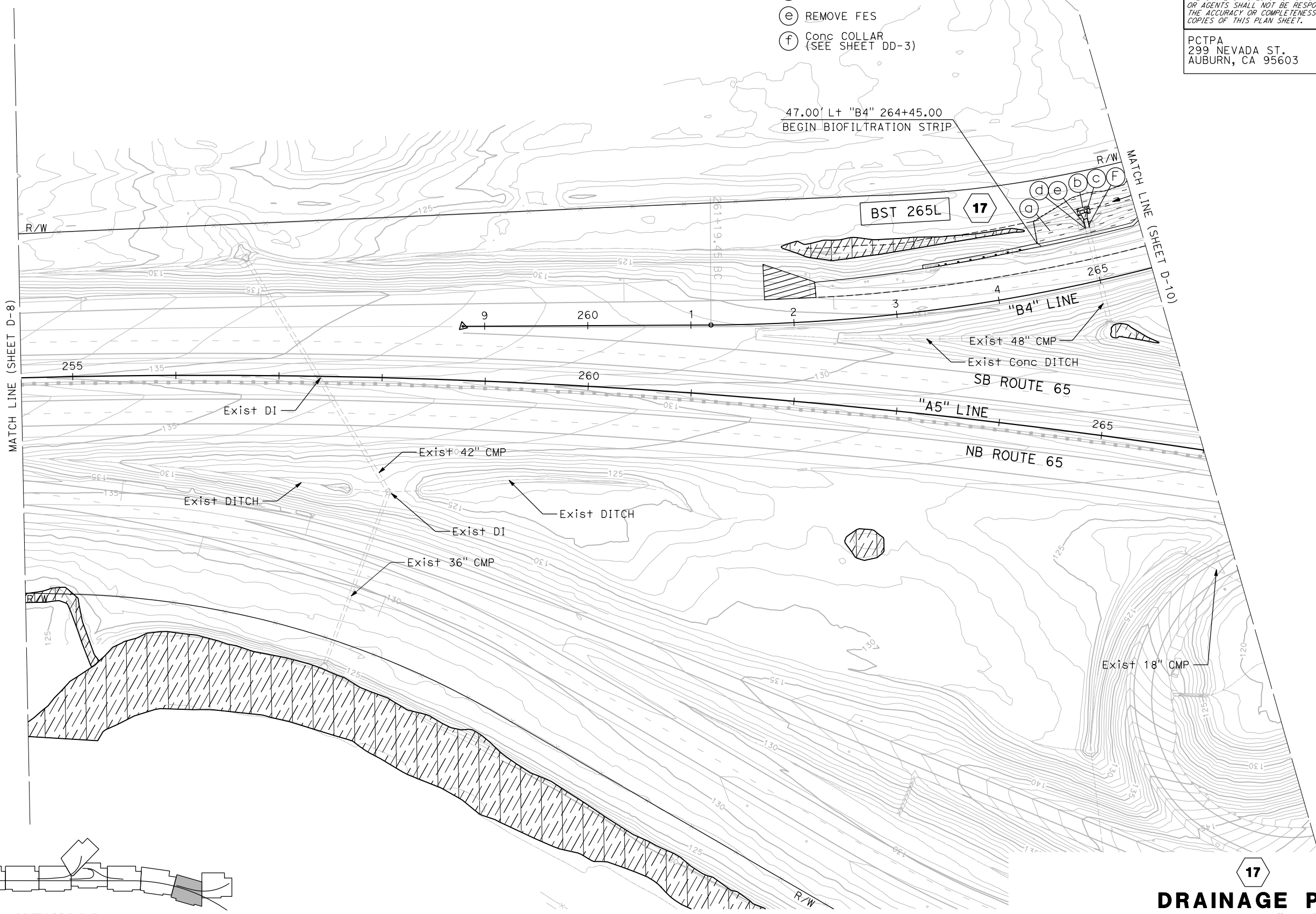
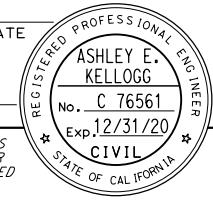
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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.

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299 NEVADA ST.  
AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833



APPROVED FOR DRAINAGE WORK ONLY

**17**  
**DRAINAGE PLAN**  
 SCALE: 1"=50'

**D-9**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:53

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED-DESIGNED BY: A. KELLOGG  
 CHECKED BY: R. HENDERSON  
 REVISED BY: [ ]  
 DATE REVISED: [ ]

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**17** BIOFILTRATION STRIP AND SWALE AND TBMP MARKER (SEE SHEET DD-10)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	81	230

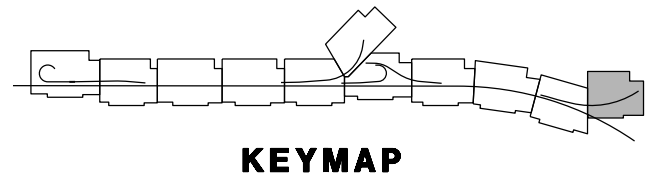
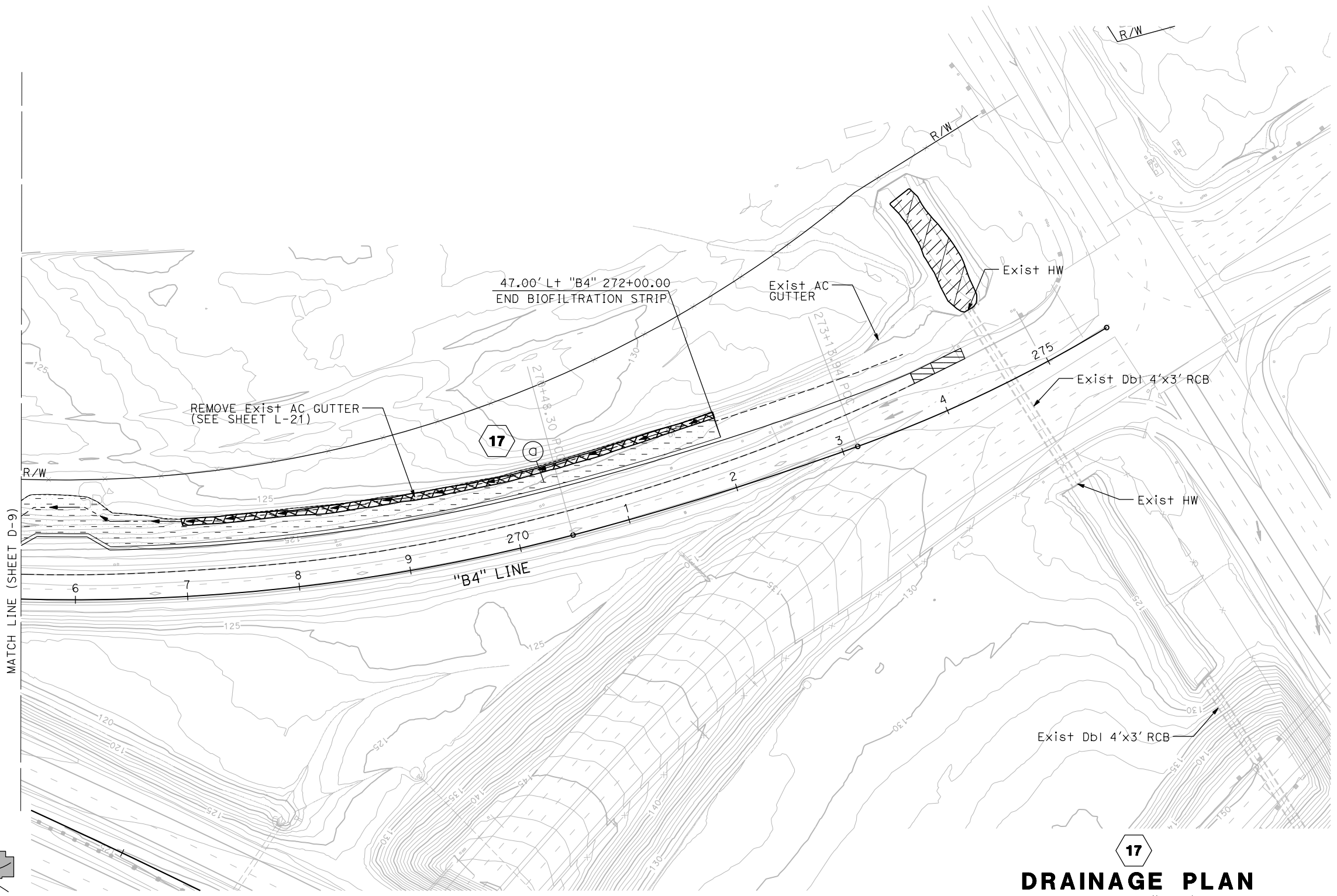
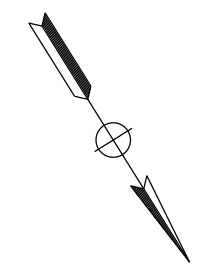
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

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.

PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

**REGISTERED PROFESSIONAL ENGINEER**  
 ASHLEY E. KELLOGG  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA



**17**  
**DRAINAGE PLAN**  
 SCALE: 1"=50'  
**D-10**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:57

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: A. KELLOGG  
 CHECKED BY: R. HENDERSON  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

**11** BIOFILTRATION STRIP (SEE SHEET DD-7)

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R5.7/R8.2	82	230

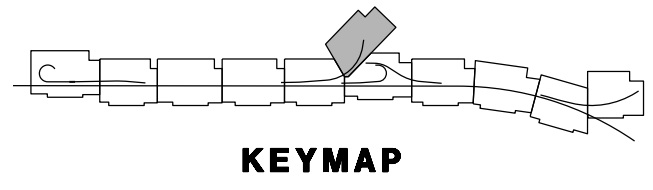
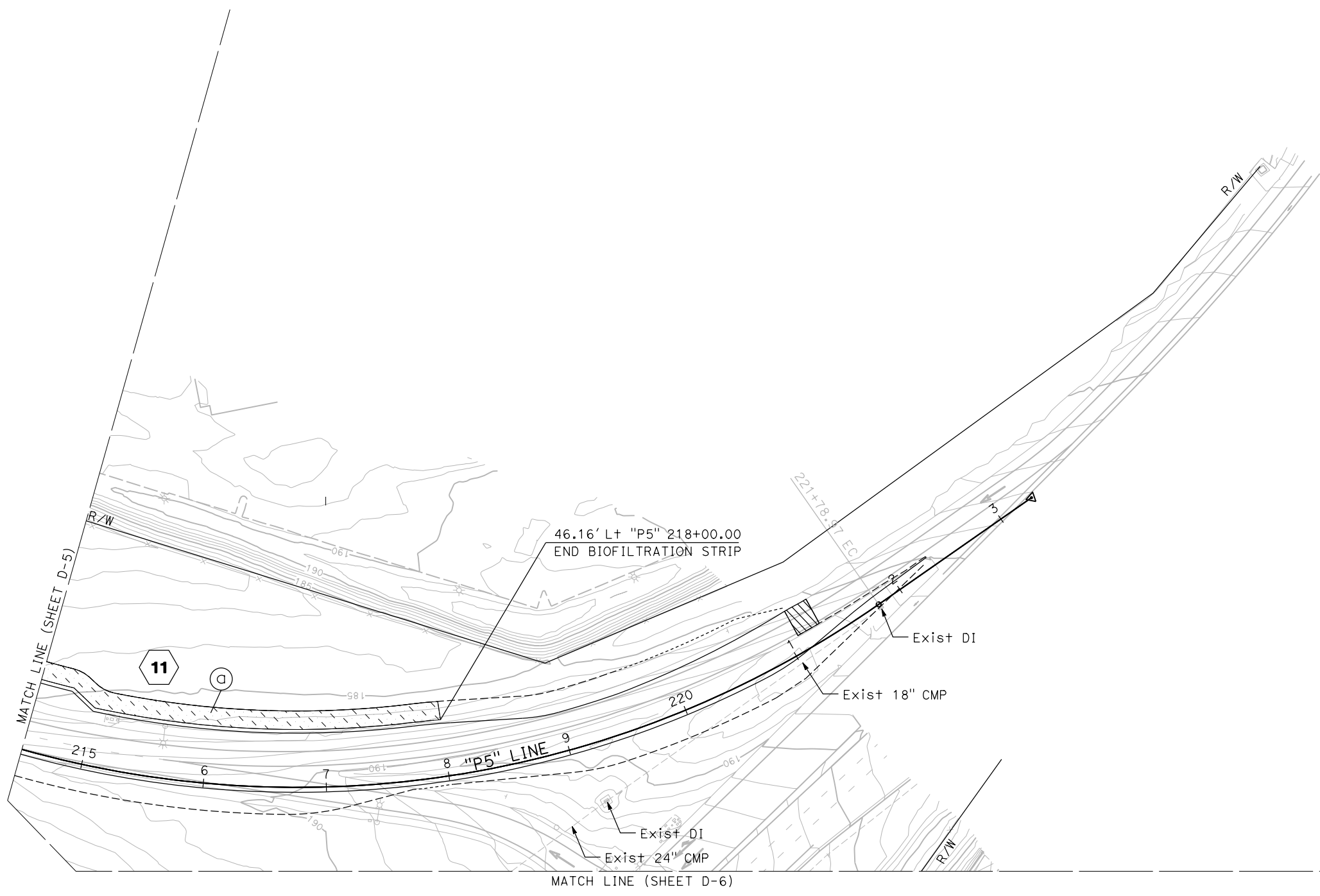
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

ASHLEY E. KELLOGG  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA

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PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



APPROVED FOR DRAINAGE WORK ONLY

**11**  
**DRAINAGE PLAN**  
 SCALE: 1"=50'

**D-11**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	83	230

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVA

THE STATE OF CALIFORNIA ENGINEERING BOARD FOR THE ARCHITECTURE AND ENGINEERING PROFESSIONS HAS REVIEWED THESE PLANS FOR CONFORMANCE WITH THE PROFESSIONAL ENGINEERS ACT AND THE ARCHITECTURE AND ENGINEERING PROFESSIONS ACT. COPIES OF THESE PLANS ARE AVAILABLE FOR SCANNING.

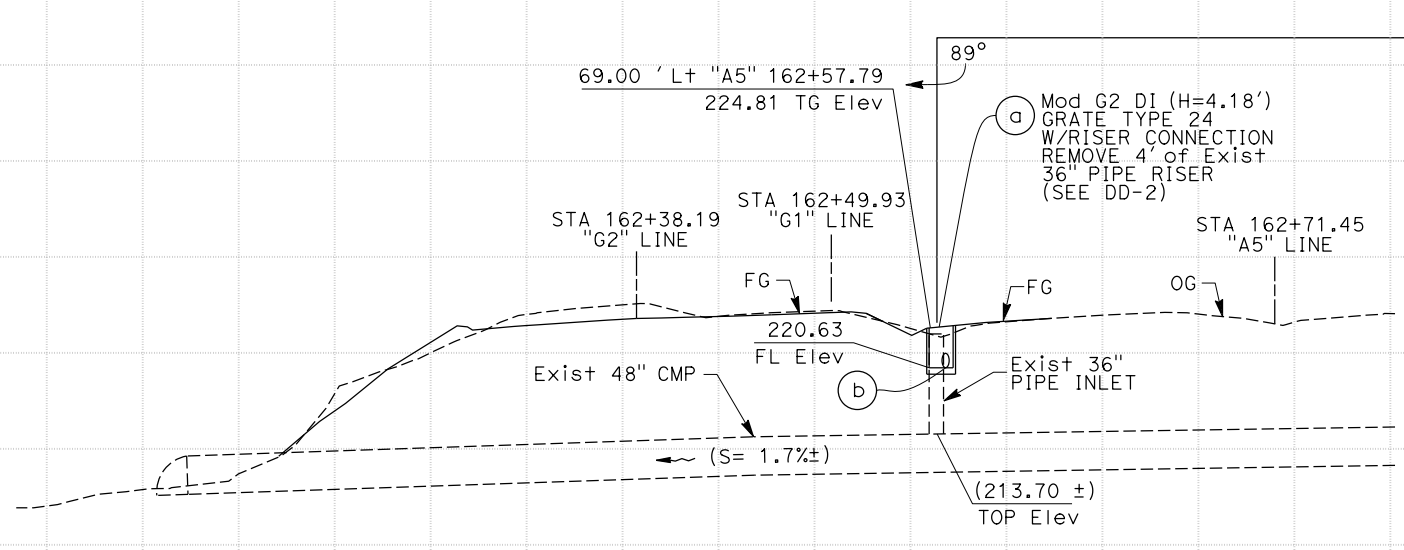
**PRELIMINARY NOT FOR CONSTRUCTION**

REGISTERED PROFESSIONAL ENGINEER  
**ASHLEY E. KELLOGG**  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA

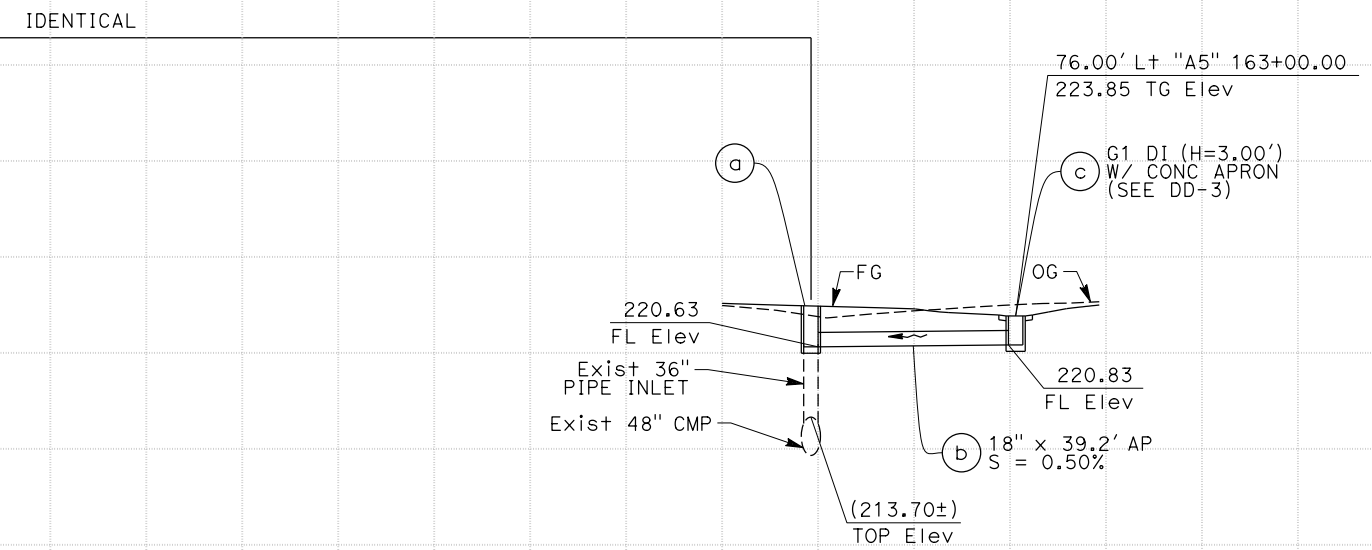
PCTPA 299 GRADA ST. AUBURN, CA 95603

JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833

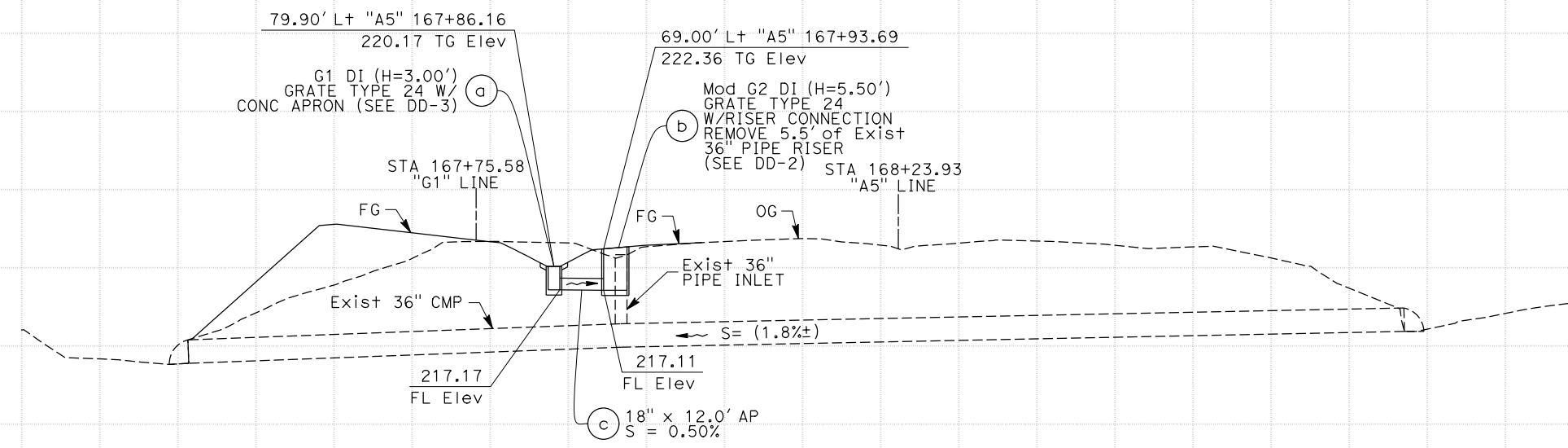
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	A. KELLOGG	R. HENDERSON
		CHECKED BY	DATE REVISOR



**DRAINAGE SYSTEM No. 2**



**DRAINAGE SYSTEM No. 2**

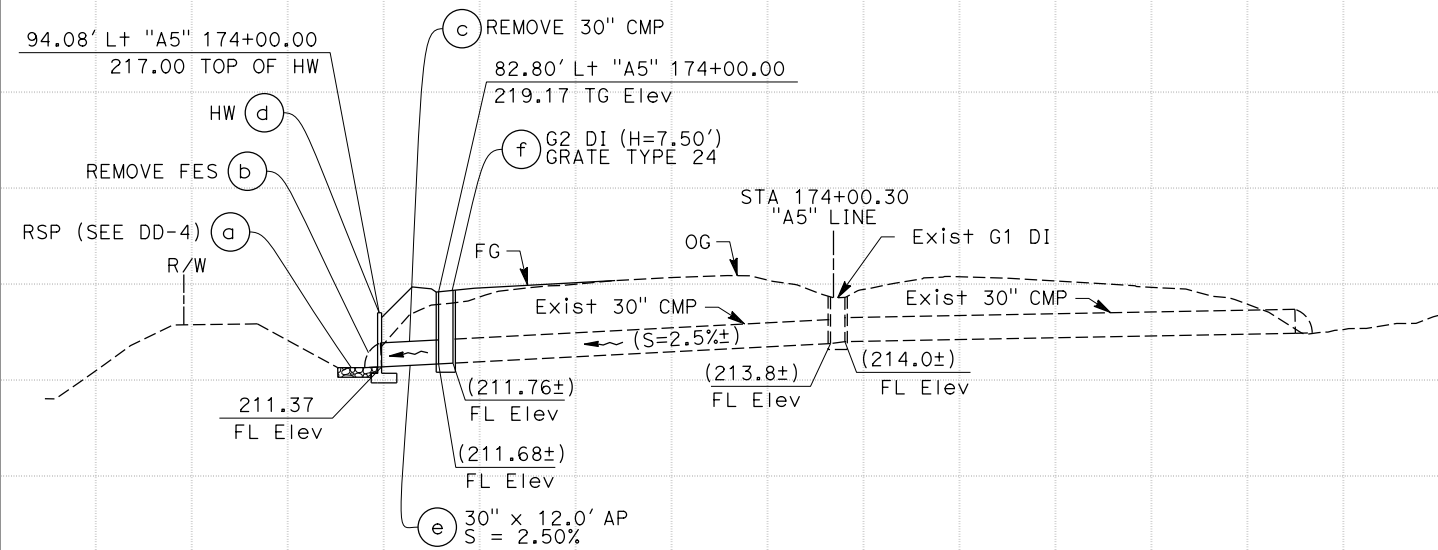


**DRAINAGE SYSTEM No. 4**

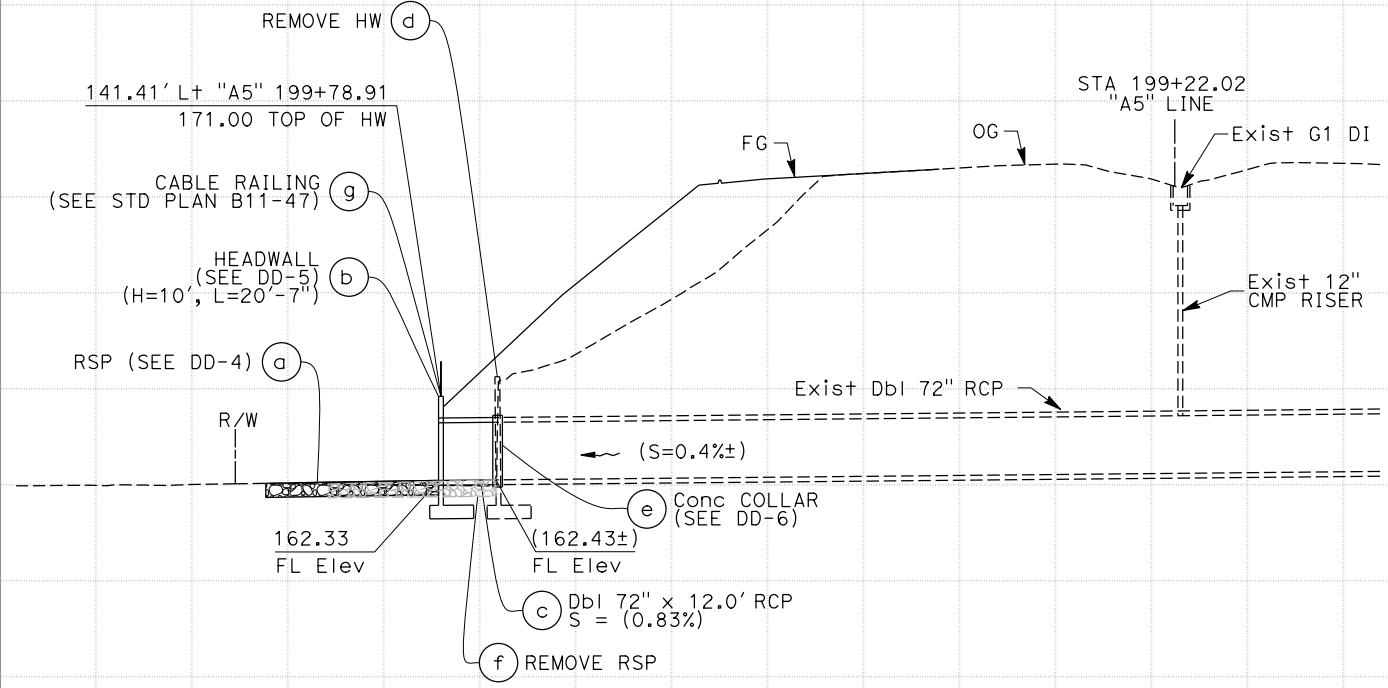
**DRAINAGE PROFILES**  
 SCALE: Horiz 1" = 20'  
 Vert 1" = 10'  
**DP-1**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:54

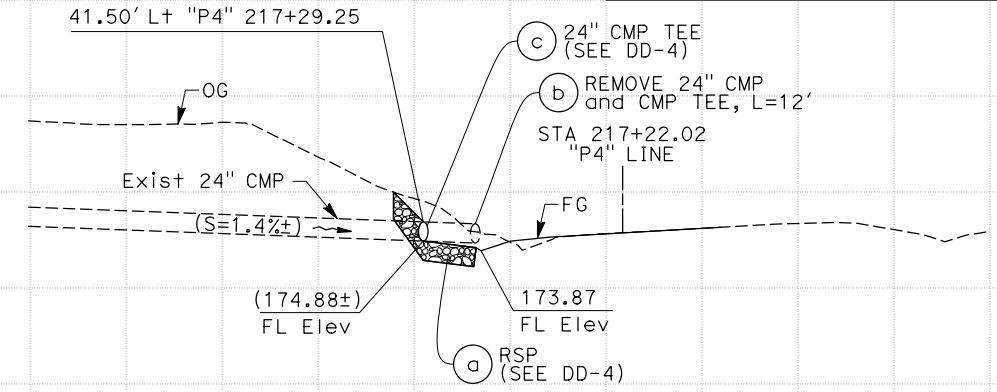
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CHECKED BY: R. HENDERSON  
 A. KELLOGG  
 REVISIONS: 230, 220, 210, 200, 190, 180, 170, 160, 150



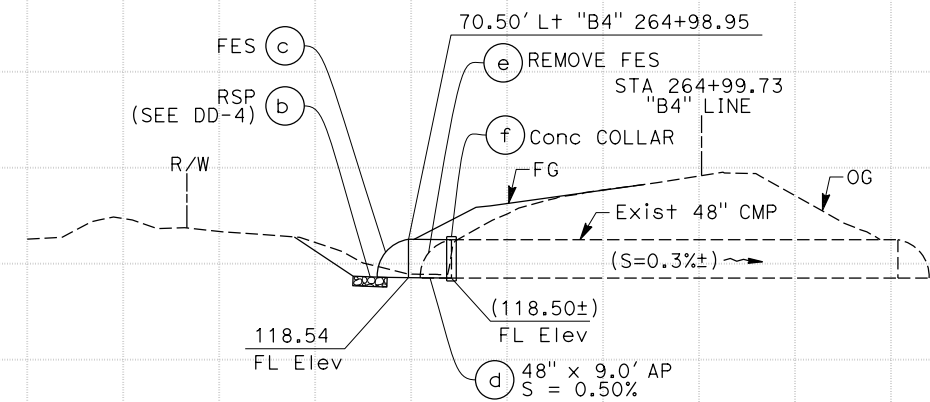
**DRAINAGE SYSTEM No. 5**



**DRAINAGE SYSTEM No. 9**



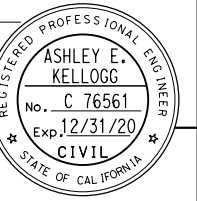
**DRAINAGE SYSTEM No. 13**



**DRAINAGE SYSTEM No. 17**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.7/R8.2	84	230
REGISTERED CIVIL ENGINEER DATE					
230					
PLANS APPROVAL					
220					
PCTPA 299 GLEADA ST. AUBURN, CA 95603					
JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833					

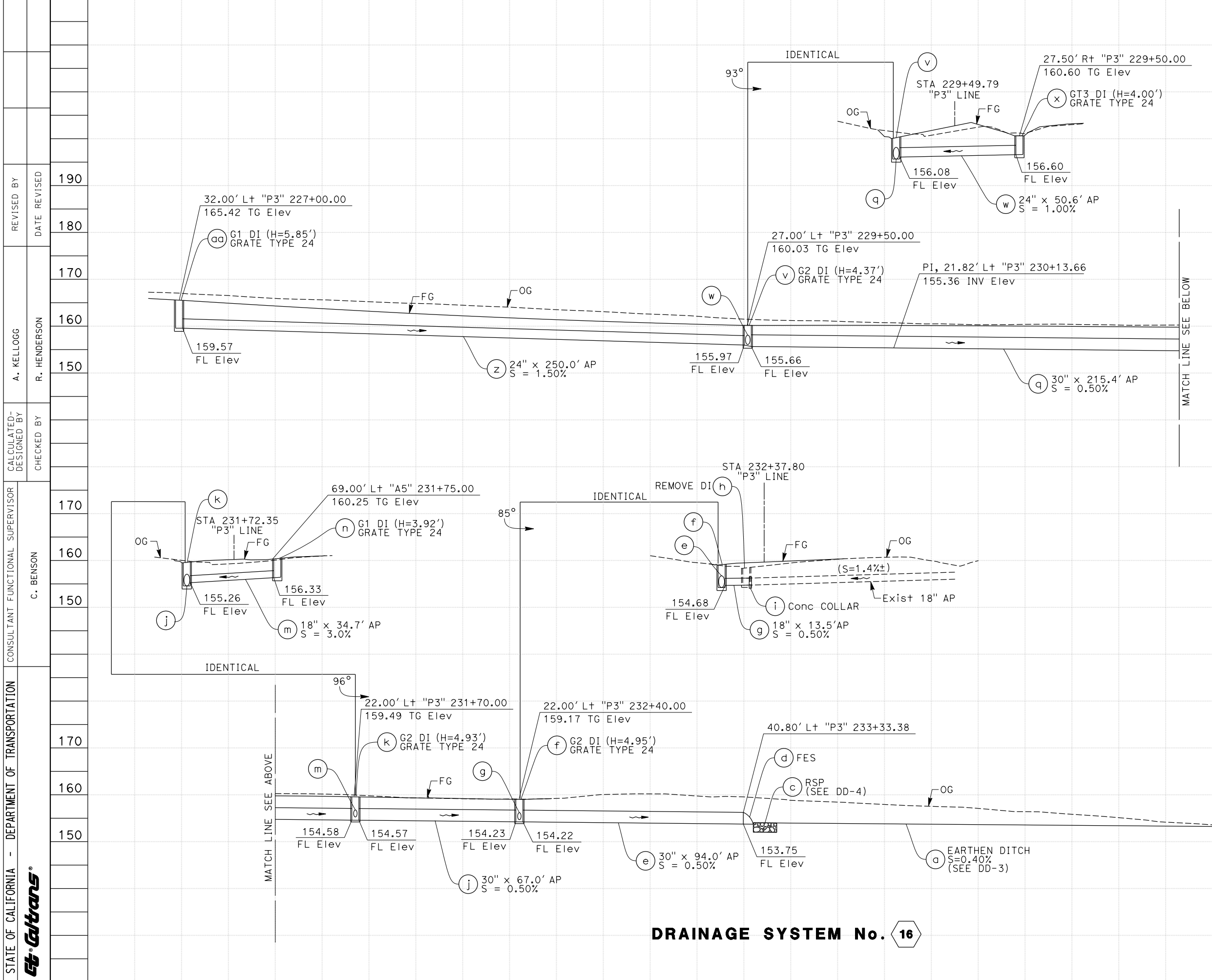
**PRELIMINARY NOT FOR CONSTRUCTION**



**DRAINAGE PROFILES**

SCALE: Horiz 1" = 20'  
 Vert 1" = 10' **DP-2**





Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R5.7/R8.2	85	230
REGISTERED CIVIL ENGINEER DATE					
170					
PLANS APPROVAL					
160					
PCTPA 299 GLEADA ST. AUBURN, CA 95603					
150					
JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833					

**PRELIMINARY NOT FOR CONSTRUCTION**

REGISTERED PROFESSIONAL ENGINEER  
**ASHLEY E. KELLOGG**  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA

**DRAINAGE SYSTEM No. 16**

**DRAINAGE PROFILES**  
 SCALE: Horiz 1" = 20'  
 Vert 1" = 10'  
**DP-3**

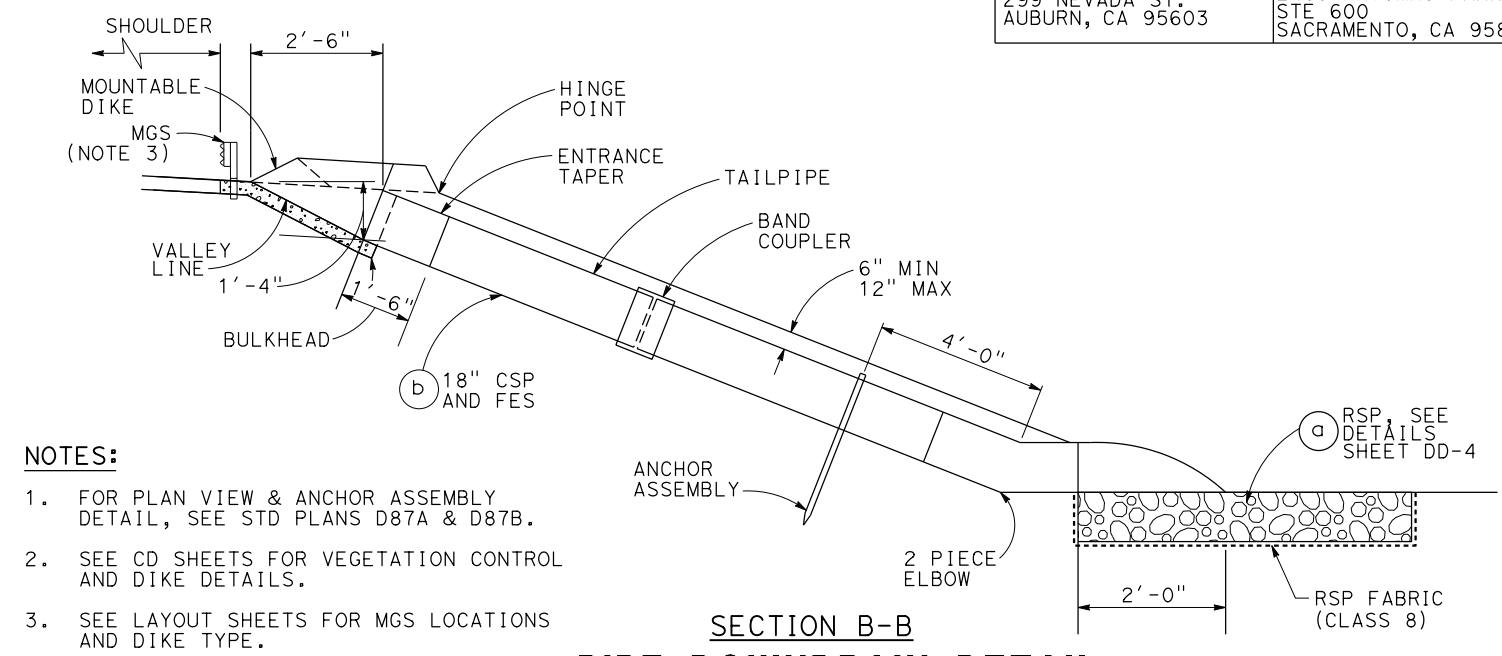
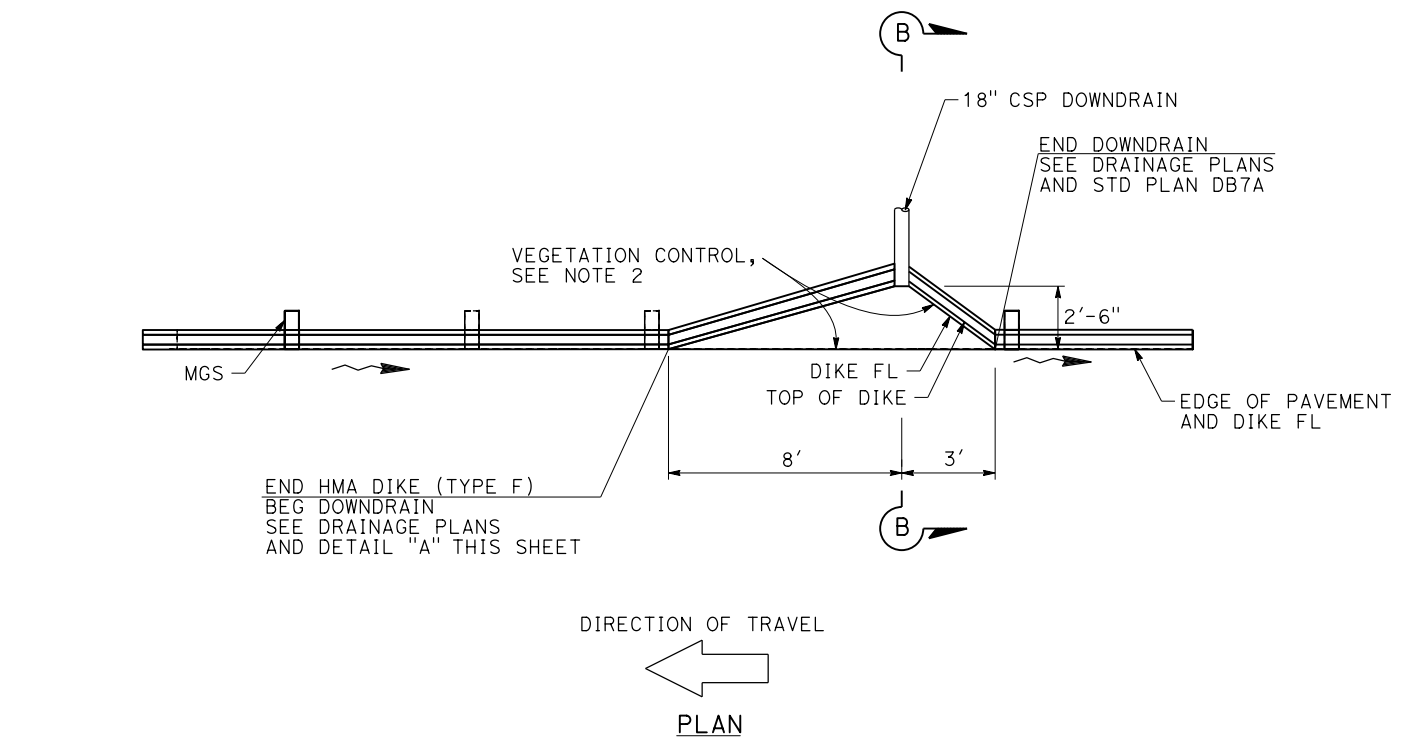


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	86	230

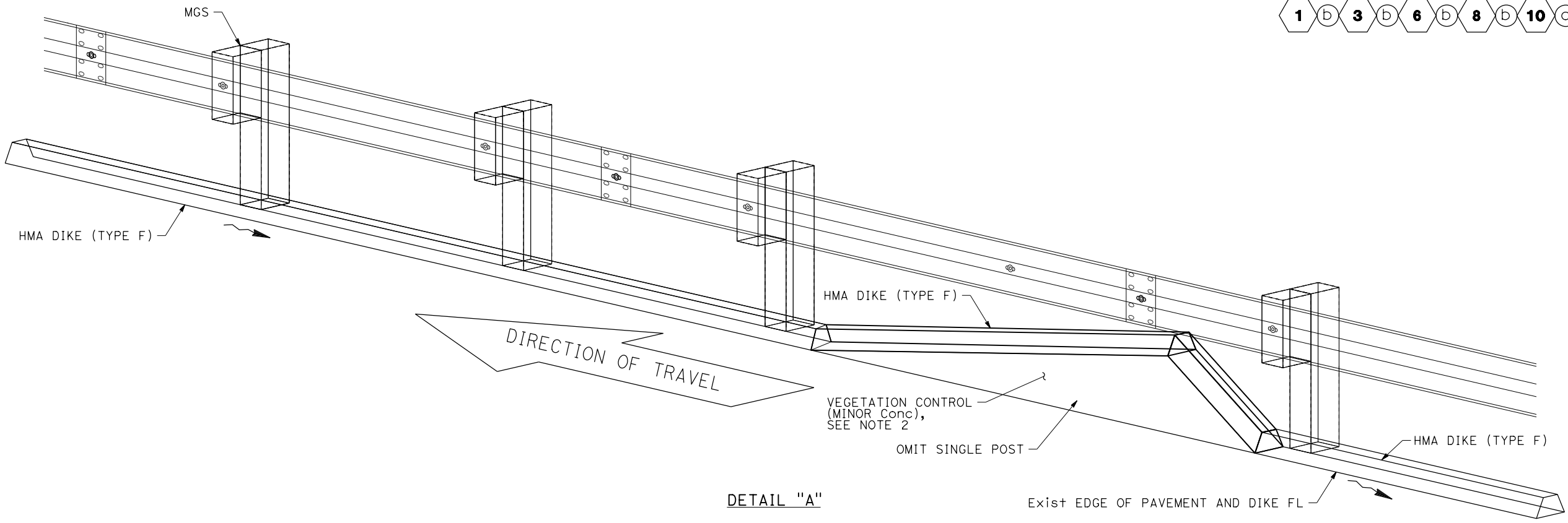
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 REGISTERED PROFESSIONAL ENGINEER  
**ASHLEY E. KELLOGG**  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA  
 PLANS APPROVAL DATE \_\_\_\_\_  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603  
 JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR C. BENSON  
 CALCULATED-DESIGNED BY CHECKED BY  
 A. KELLOGG R. HENDERSON  
 REVISED BY DATE REVISED



- NOTES:  
 1. FOR PLAN VIEW & ANCHOR ASSEMBLY DETAIL, SEE STD PLANS D87A & D87B.  
 2. SEE CD SHEETS FOR VEGETATION CONTROL AND DIKE DETAILS.  
 3. SEE LAYOUT SHEETS FOR MGS LOCATIONS AND DIKE TYPE.



**DIKE TRANSITION AT PIPE DOWNDRAIN**

**DRAINAGE DETAILS**

1 D 8 D 10 C

1 D 3 b 6 b 8 D 10 C

NO SCALE  
**DD-1**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:54

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.7/R8.2	87	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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.

PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

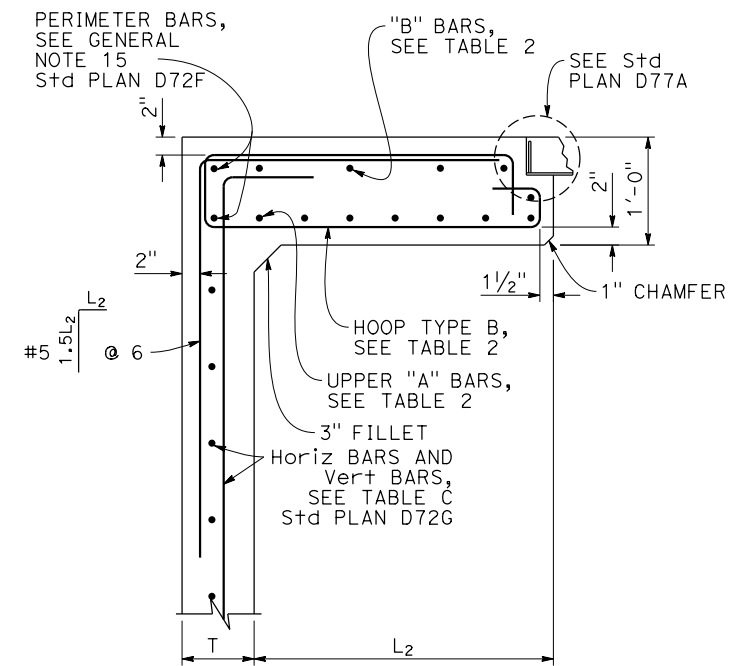
JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833

REGISTERED PROFESSIONAL ENGINEER  
 ASHLEY E. KELLOGG  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA

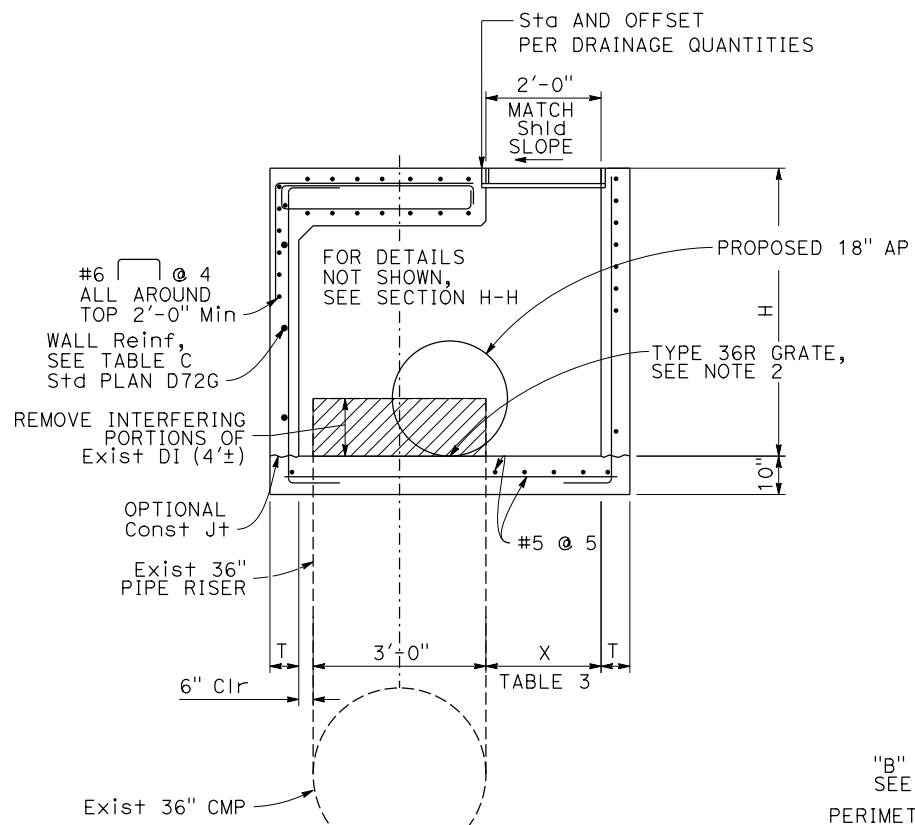
**NOTES:**

- SEE CALTRANS Std PLANS D72B, EXPANDED TYPE G2 INLET, AND D72C, D72F AND D72G FOR ADDITIONAL INFORMATION AND NOTES NOT SHOWN ON THIS DETAIL.
- SEE CALTRANS Std PLANS D77A AND D77B FOR TYPE 36R GRATE DETAILS.

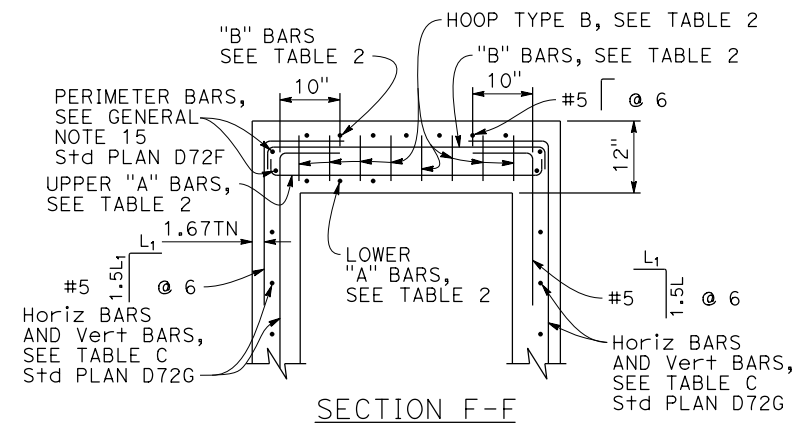
	T
L <sub>1</sub> OR L <sub>2</sub> > 2'-10"	12"



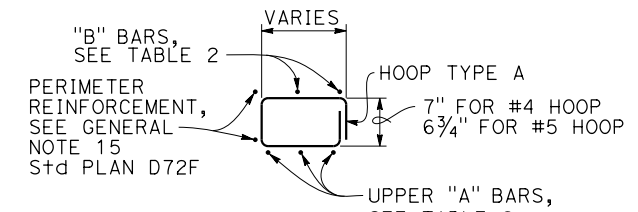
SECTION G-G



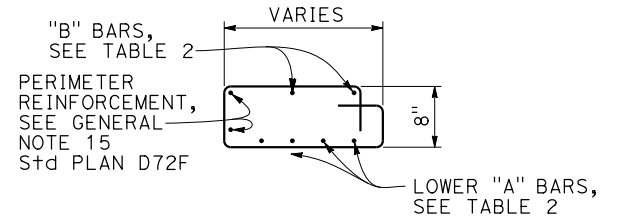
SECTION A-A  
(MIRROR FOR 4 D)



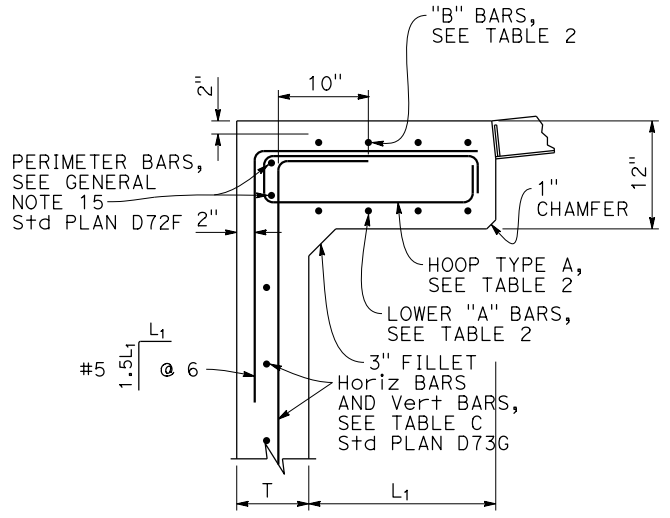
SECTION F-F



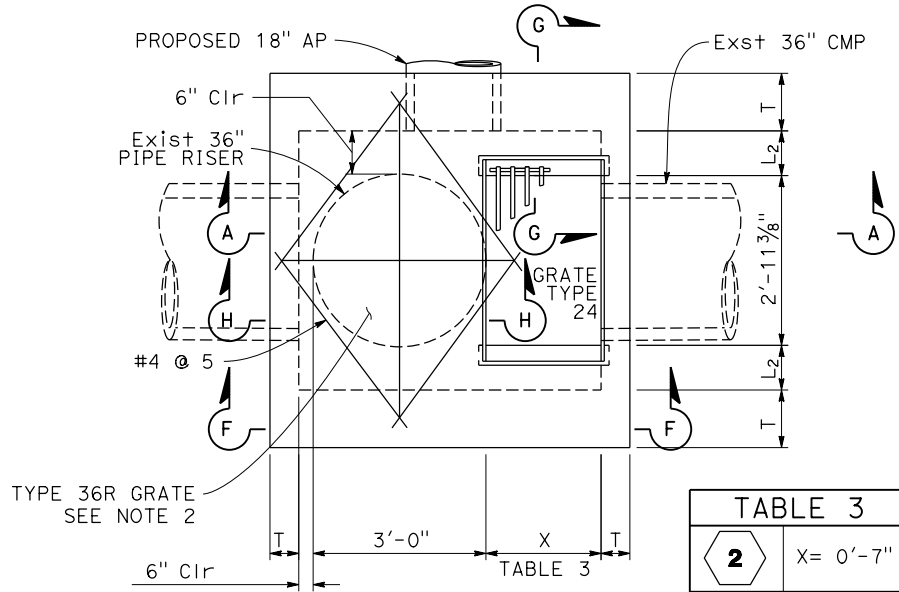
HOOP TYPE A



HOOP TYPE B



SECTION H-H



PLAN  
(MIRROR FOR 4 D)

2	X = 0'-7"
4	X = 2'-9"

	"A" & "B" BARS	
	W/ CURB	W/O CURB
"A" BARS	#4 @ 5 (2 BARS Min)	#5 @ 5 (3 BARS Min)
"B" BARS	#4 @ 10 (2 BARS Min)	#4 @ 12 (2 BARS Min)
HOOPS ("A" & "B")	#4 @ 5	#5 @ 5

ROTATE "A" AND "B" BARS SO HOOKED ENDS WILL MAINTAIN 2" CLEAR COVERAGE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Ash Kellogg  
 CONSULTANT FUNCTIONAL SUPERVISOR  
 C. BENSON  
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

**DRAINAGE DETAILS**  
NO SCALE  
**DD-2**

LAST REVISION DATE PLOTTED => 23-JUL-2020  
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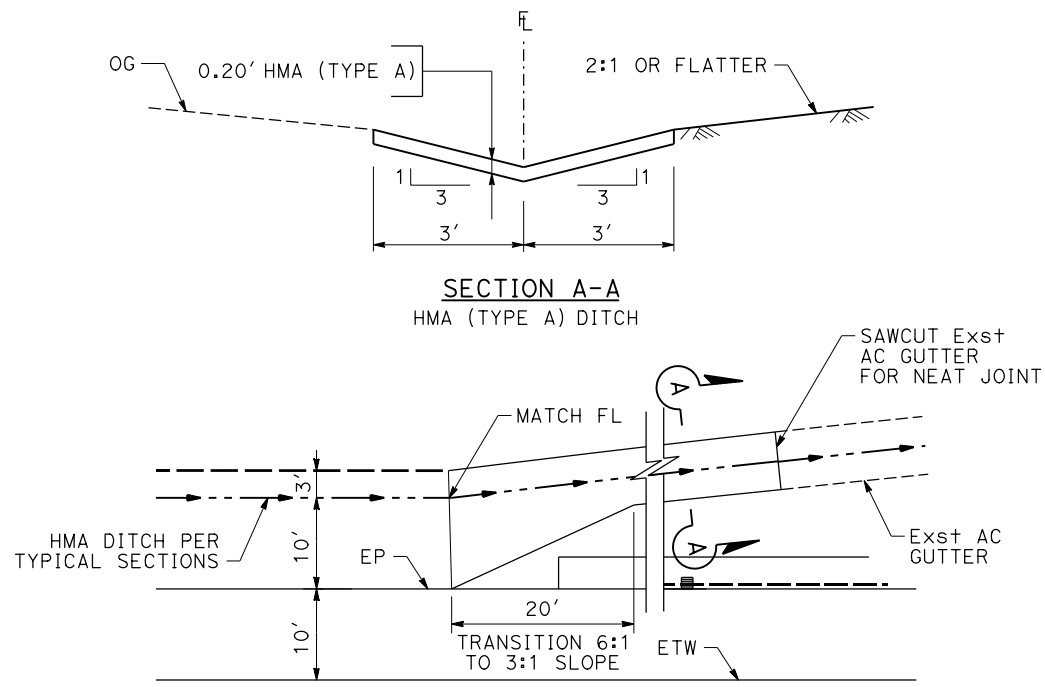
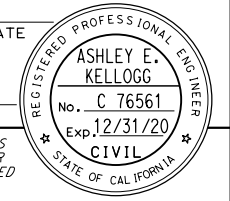
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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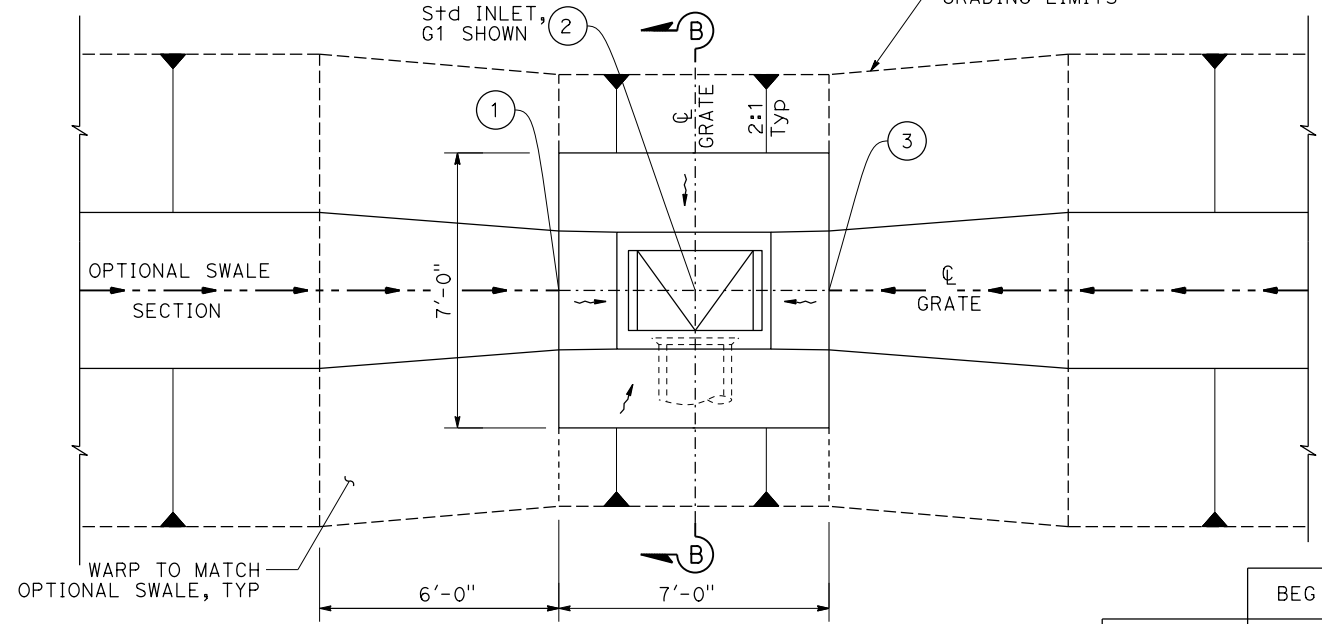
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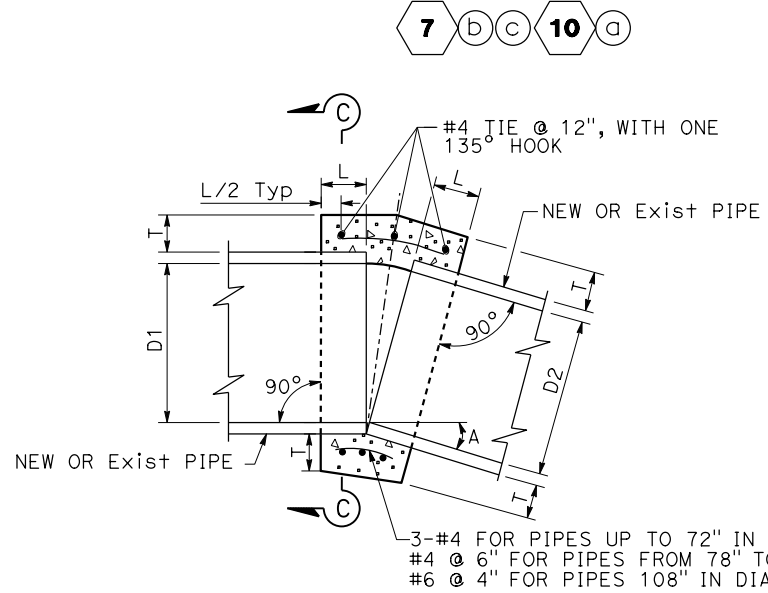


**HMA DITCH AND TRANSITION**



	BEG STATION	BOTTOM WIDTH (ft)	LT SLOPE H:1	RT SLOPE H:1
2	"A5" 159+00	0	4	4
4	"A5" 164+00	0	4	4
	"A5" 166+50	6	4	4
	"A5" 167+90	0	4	4
12	"P4" 221+15	0	4	4
16	"A5" 233+57	0	2	2

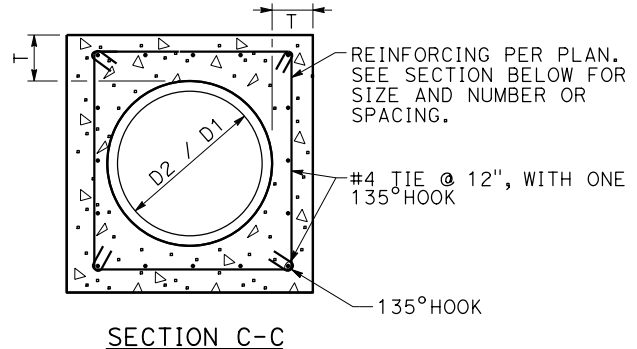
	1		2		3	
	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION
2	"A5" 165+96.50	223.95	"A5" 163+00.00	223.85	"A5" 163+03.50	223.95
4	"A5" 167+82.82	220.27	"A5" 163+00.00	220.17	"A5" 167+89.83	220.27



**IDENTICAL PIPE DIAMETER**

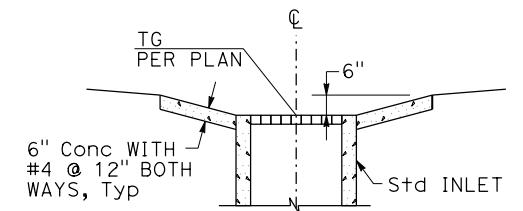
D	L	T
12"	1.0'	6"
18"	1.0'	6"
24"	1.0'	6"
36"	1.5'	8"
48"	1.5'	10"
54"	1.5'	10"
60"	1.75'	11"
66"	1.75'	11"
72"	2.0'	12"
78"	2.0'	14"
84"	2.0'	14"
90"	2.0'	14"
108"	2.9'	18"

USE TABLE UNLESS OTHERWISE NOTED ON PLANS

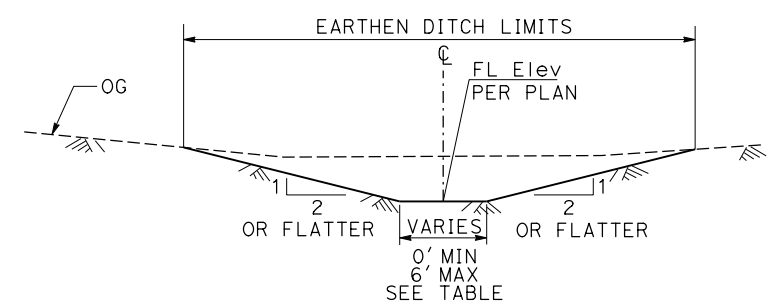


**CONCRETE COLLAR**

**PLAN CONCRETE APRON**



**SECTION B-B**



**EARTHEN DITCH (TYPICAL SECTION)**

**Conc COLLAR NOTES:**

- WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, 'L' AND 'T' SHALL BE THOSE OF THE LARGER PIPE. D=D1 OR D2, WHICHEVER IS GREATER.
- FOR PIPE SIZE NOT LISTED USE NEXT SIZE LARGER.
- OMIT REINFORCING ON PIPES 24" AND LESS IN DIAMETER AND ON ALL PIPES UP TO 72" DIAMETER WHERE ANGLE A IS LESS THAN 10°.
- JOIN PIPES AT INVERTS WHERE THE SLOPE OF UPSTREAM PIPE IS LESS THAN THE SLOPE OF THE DOWNSTREAM PIPE, AND JOIN PIPES AT SOFFIT WITH A MITER JOINT WHERE THE SLOPE OF THE UPSTREAM PIPE IS GREATER THAN THE SLOPE OF THE DOWNSTREAM PIPE.
- REINFORCEMENT SHALL BE PLACED 1 1/2" CLEAR FROM OUTSIDE DIAMETER OF PIPE.
- 10' Max COVER FOR 108" Dia PIPE COLLAR.

**DRAINAGE DETAILS**

NO SCALE

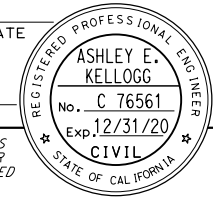
**DD-3**

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R5.7/R8.2	89	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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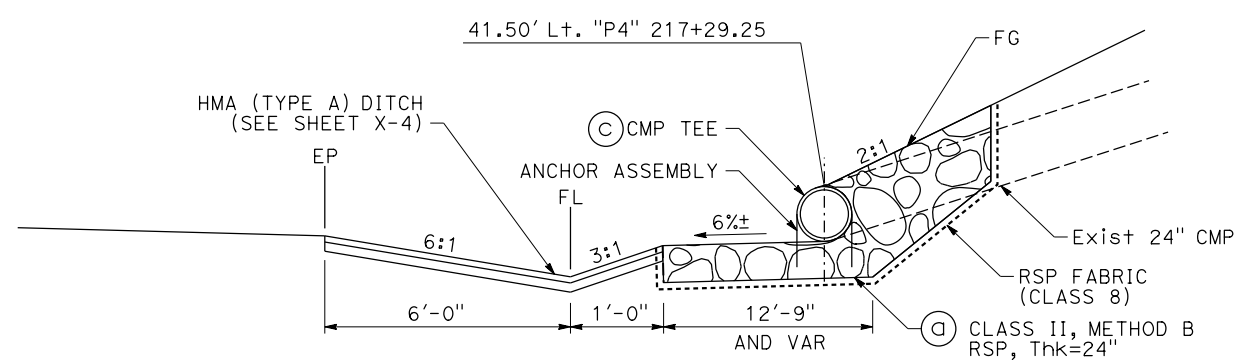


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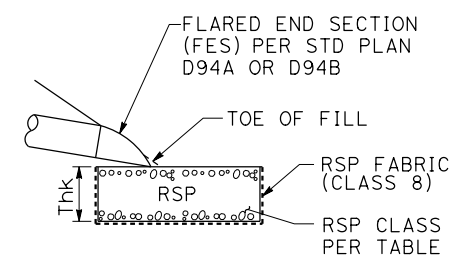
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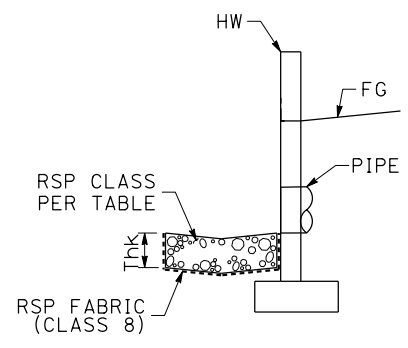
CONSULTANT SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: A. KELLOGG, R. HENDERSON  
 CHECKED BY: R. HENDERSON  
 REVISED BY: \_\_\_\_\_ DATE REVISED: \_\_\_\_\_



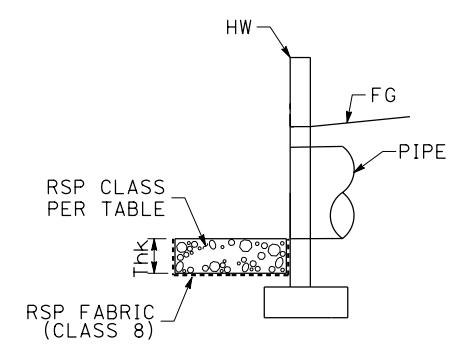
SECTION A-A



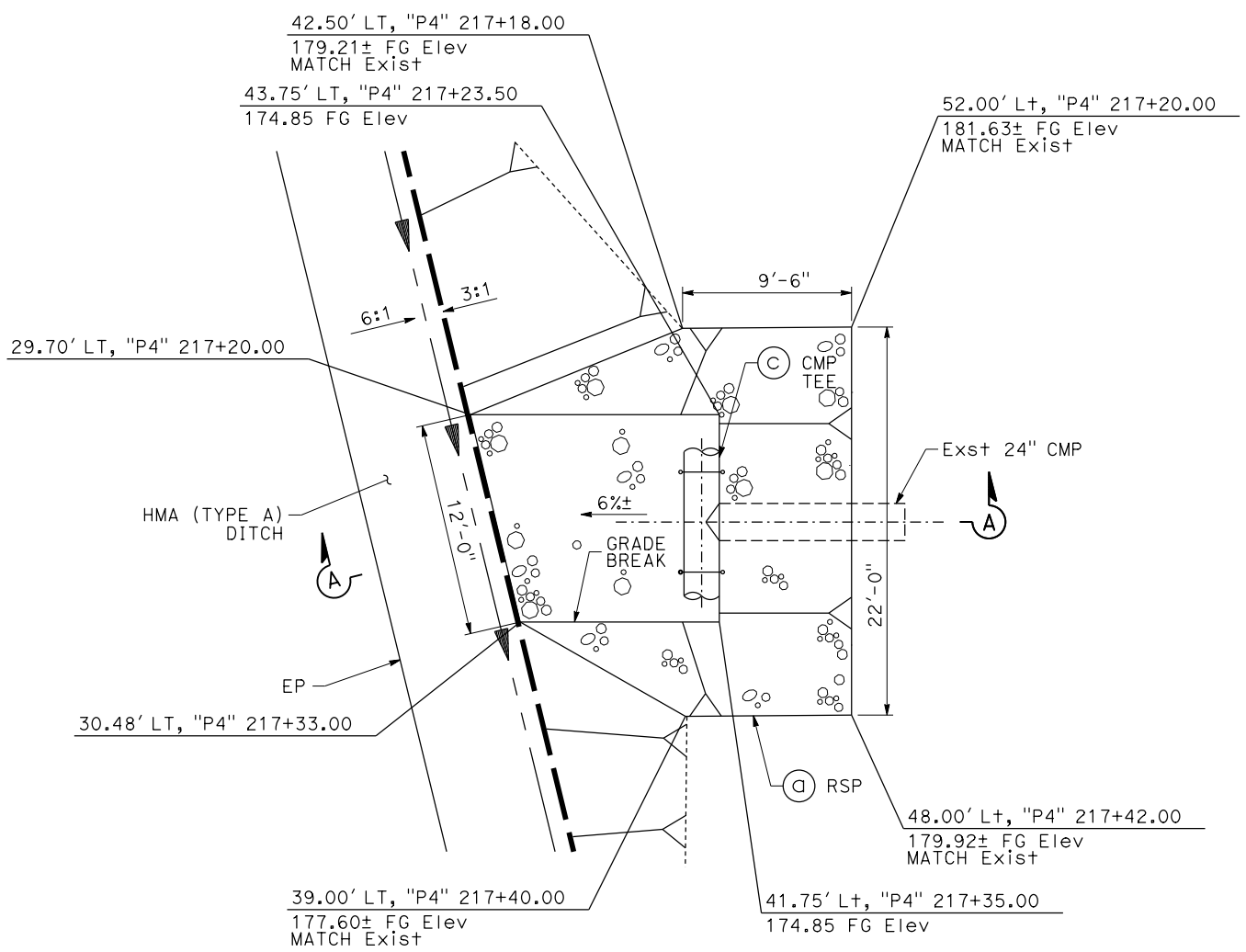
SECTION A-A



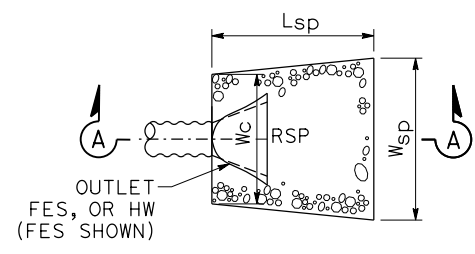
SECTION B-B



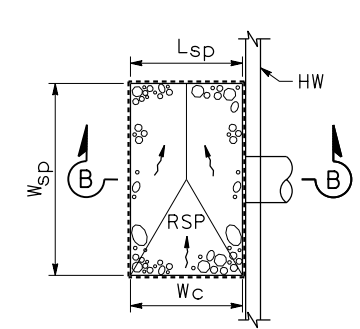
SECTION C-C



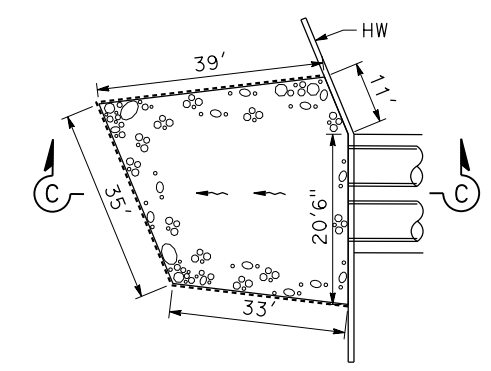
24" CMP TEE



CASE 1 - PLAN



CASE 2 - PLAN



CASE 3 - PLAN

RSP TABLE

DRAINAGE Sys No.	UNIT	RSP CLASS	CASE	Lsp	Wsp	Wc	Thk
1	(C)	II	1	11'	5'	5'	24"
3	(C)	II	1	11'	5'	5'	24"
5	(C)	II	2	8'	17'	8'	24"
6	(C)	II	1	11'	5'	5'	24"
8	(C)	II	1	11'	5'	5'	24"
9	(C)	IV	3	SEE PLAN			30"
10	(B)	II	1	11'	5'	5'	24"
10	(D)	II	1	11'	5'	5'	24"
16	(C)	II	1	17'	8'	8'	24"
17	(B)	II	1	12'	7'	7'	24"

RSP NOTES:

- RSP SHALL BE CONSTRUCTED IN LAYERS AS SHOWN IN THE TYPICAL SECTIONS. PLACEMENT SHALL BE METHOD B. DEPTHS (Thk) SHOWN ARE MIN.
- RSP FABRIC SHALL BE PROVIDED AT ALL SOIL INTERFACES.
- FOR DRAINAGE SYSTEM DESIGN SEE DRAINAGE PLANS AND PROFILES.
- SEE TABLE FOR DIMENSIONS.

ROCK SLOPE PROTECTION



DRAINAGE DETAILS

NO SCALE

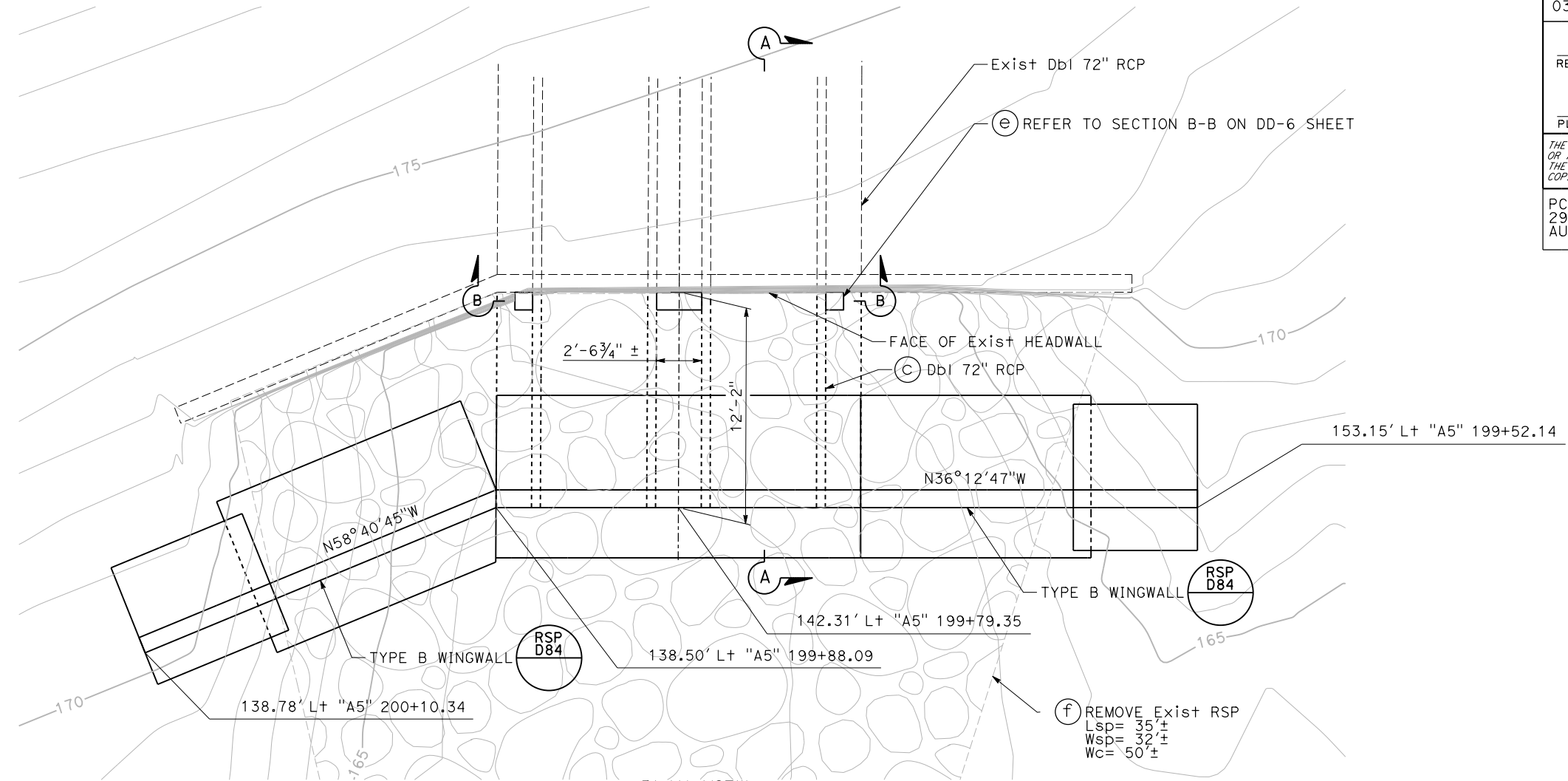
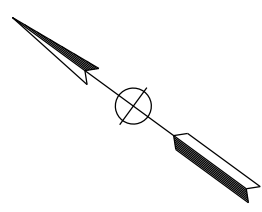
DD-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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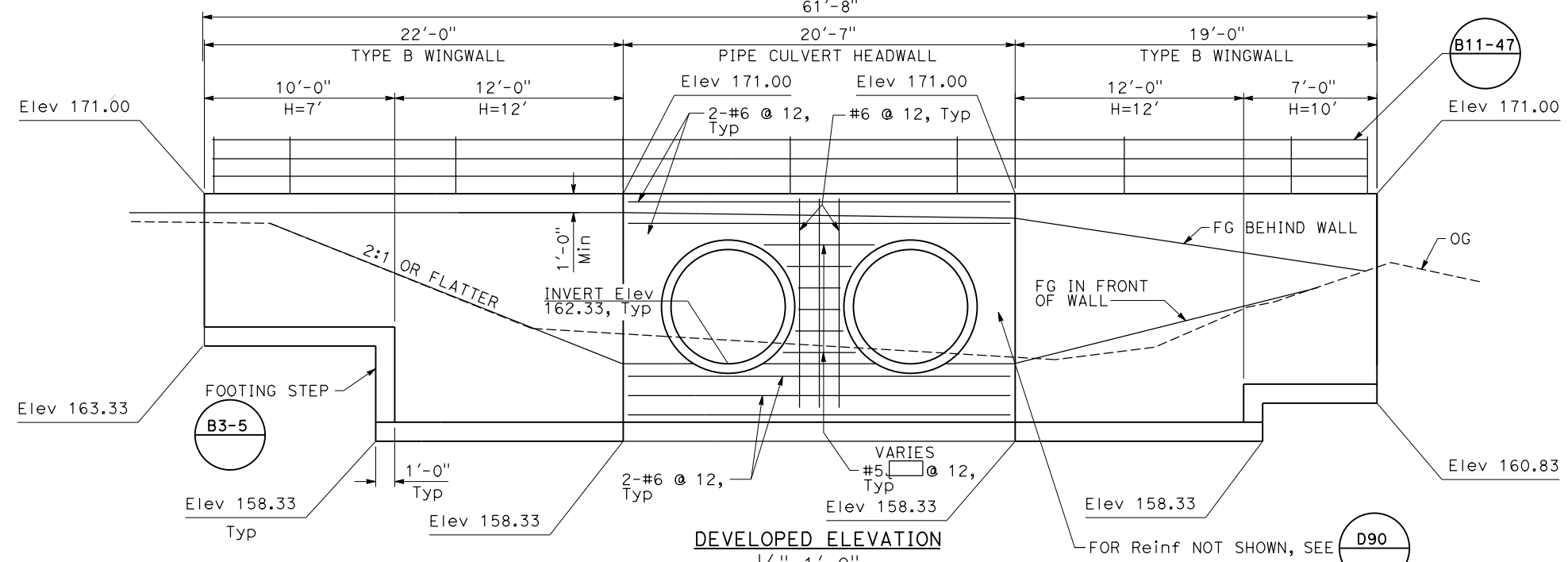
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 JENNIFER L. ELWOOD  
 No. 64034  
 Exp. 9/30/2020  
 CIVIL  
 STATE OF CALIFORNIA

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PLAN VIEW  
 1/4"=1'-0"



DEVELOPED ELEVATION  
 1/4"=1'-0"

**DBL 72" RCP TYPE B WINGWALL**

NOTE:  
 For Sections A-A and B-B see sheet DD-6.

**DRAINAGE DETAILS**

**DD-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans	C. BENSON	J. ELWOOD	R. HENDERSON
		CHECKED BY	DATE REVISOR

USERNAME => pwsvc  
 DGN FILE => 031F1701ic005.dgn

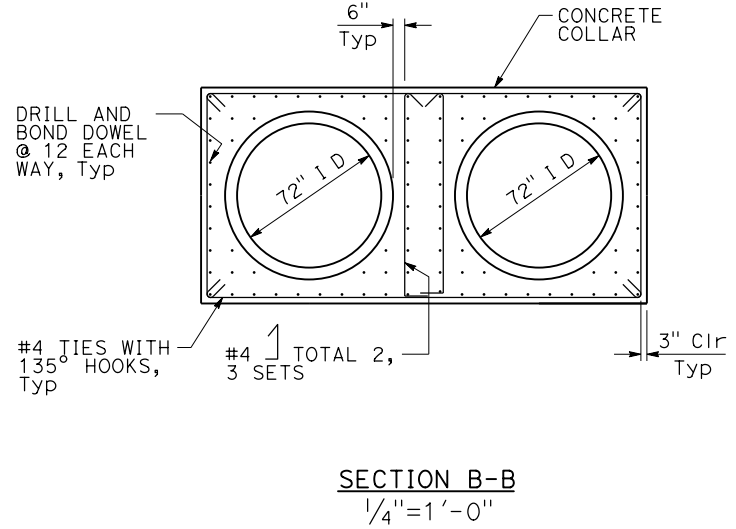
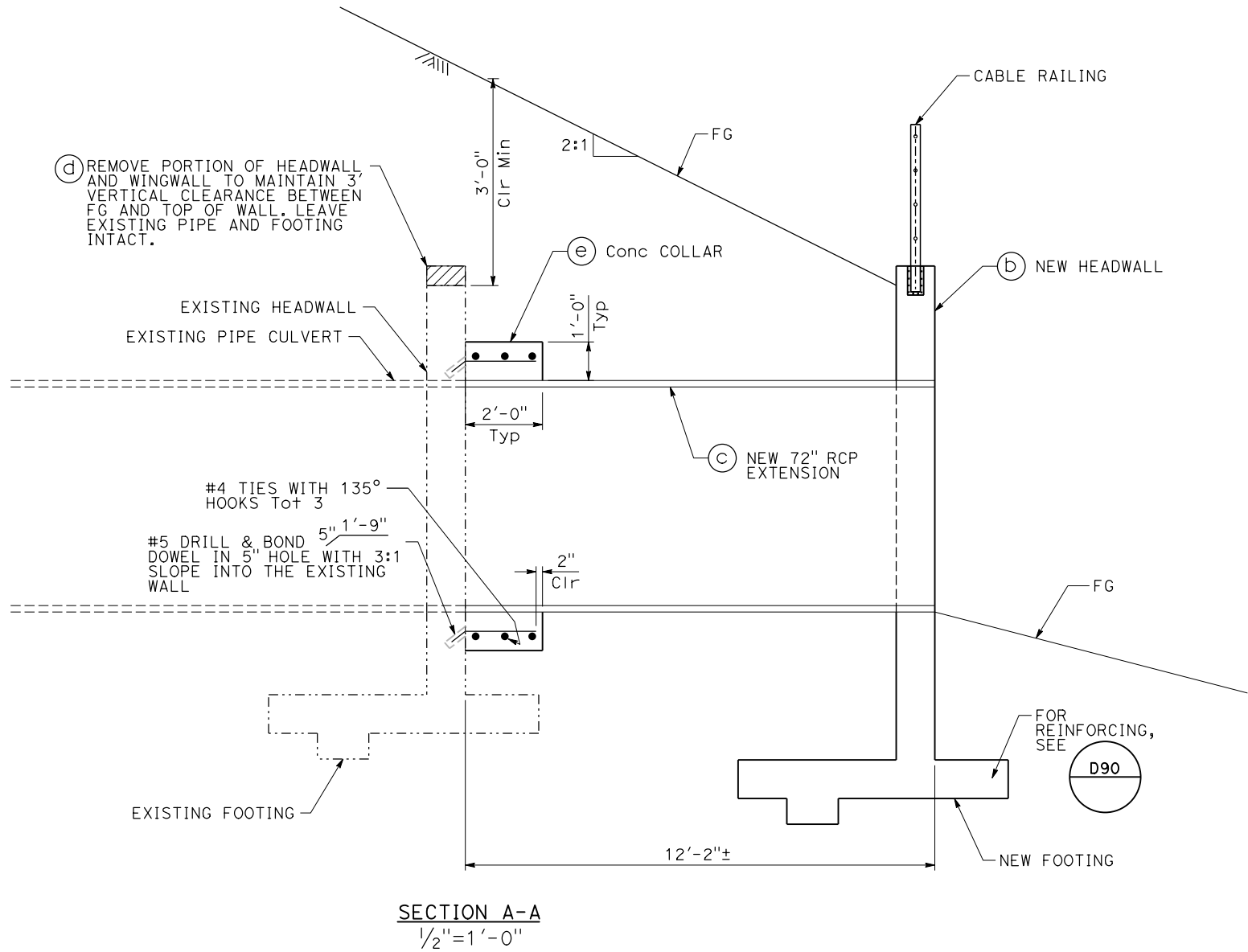
RELATIVE BORDER SCALE  
 IS IN INCHES

UNIT 0303

PROJECT NUMBER & PHASE 0320000055 03-1F1714

LAST REVISION DATE PLOTTED => 23-JUL-2020  
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	91	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
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**CONCRETE COLLAR**

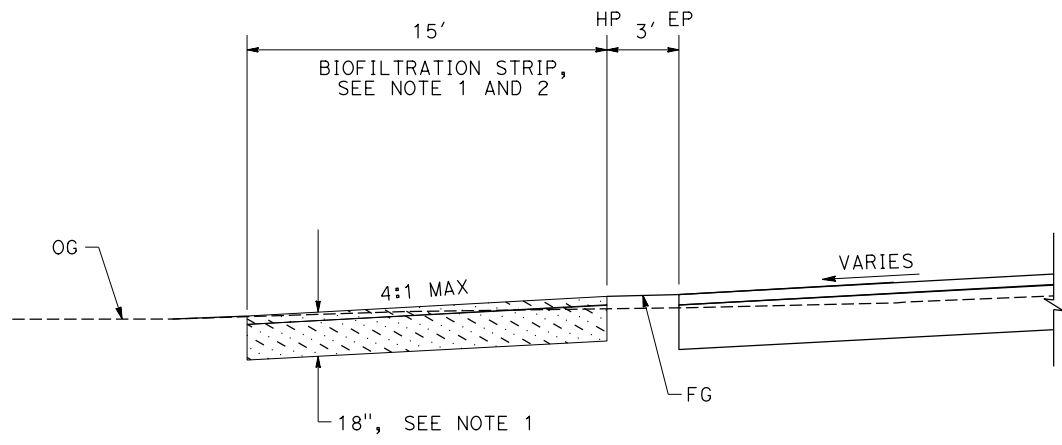
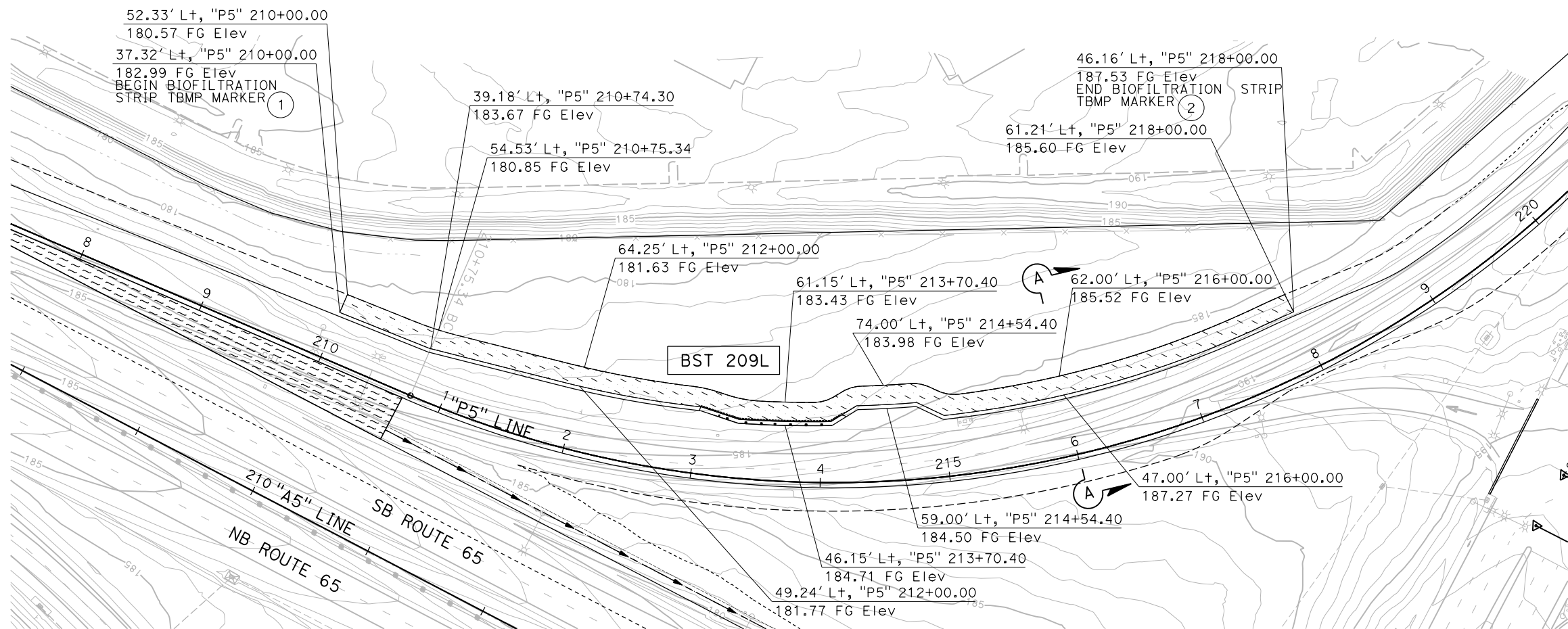


**DRAINAGE DETAILS**

**DD-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
	C. BENSON	J. ELWOOD	R. HENDERSON
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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**BIOFILTRATION STRIP BST 209L**

11

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	92	230

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REGISTERED PROFESSIONAL ENGINEER  
 ASHLEY E. KELLOGG  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA

**TBMP MARKER**

①	BEGIN BIOSTP
②	END BIOSTP

FOR DETAILS SEE STD PLAN RSP A73B

**BIOFILTRATION STRIP NOTES:**

1. FOR INCORPORATION OF BIOFILTRATION SOILS, SEE EROSION CONTROL PLANS.
2. FOR PLANTING DETAILS, SEE EROSION CONTROL PLANS.

**DRAINAGE DETAILS**

SCALE: 1"=50'

**DD-7**



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
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 CALCULATED-DESIGNED BY: A. KELLOGG  
 CHECKED BY: R. HENDERSON  
 REVISED BY: DATE  
 DESIGNED BY: DATE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	93	230

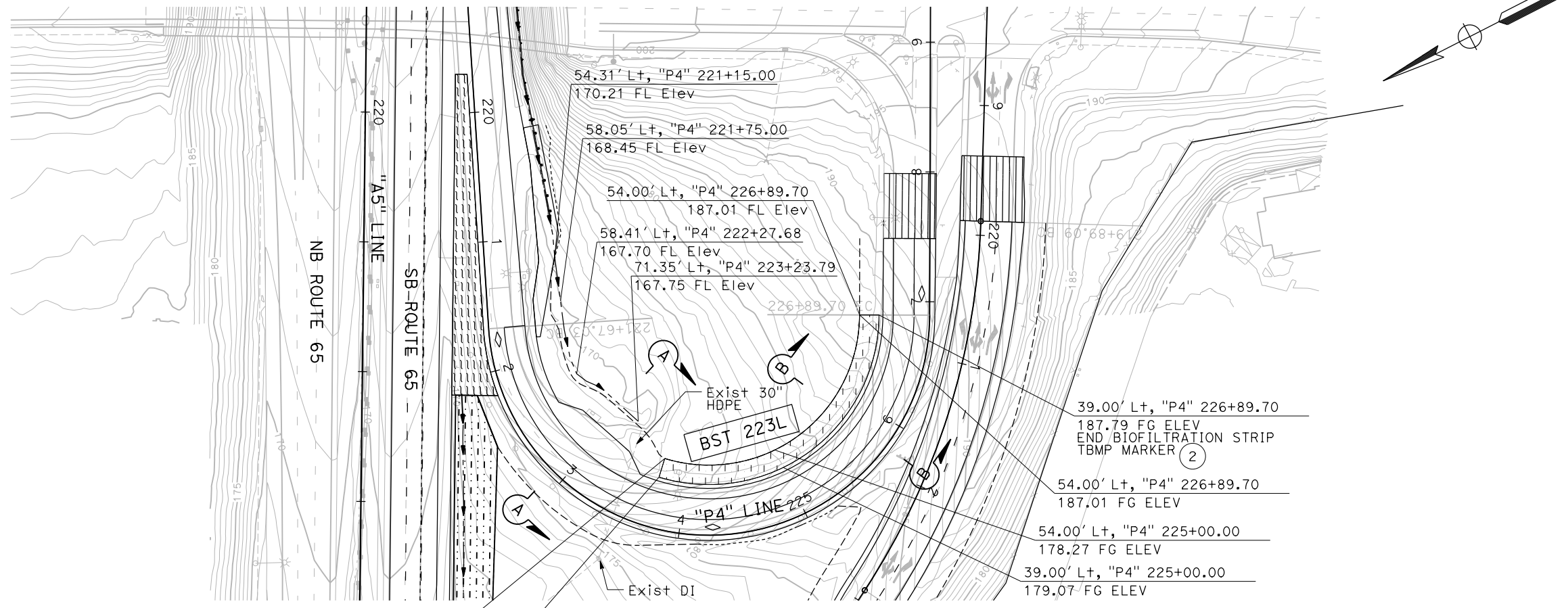
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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REGISTERED PROFESSIONAL ENGINEER  
 ASHLEY E. KELLOGG  
 No. C 76561  
 Exp. 12/31/20  
 CIVIL  
 STATE OF CALIFORNIA



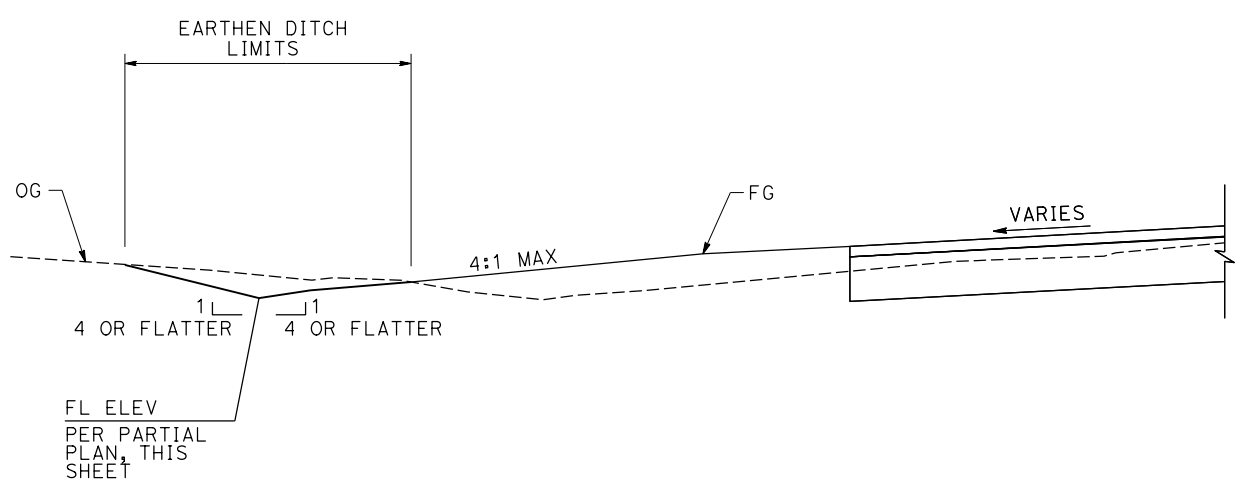
**PARTIAL PLAN**

**TBMP MARKER**

1	BEGIN BIOSTP
2	END BIOSTP

FOR DETAILS SEE STD PLAN RSP A73B

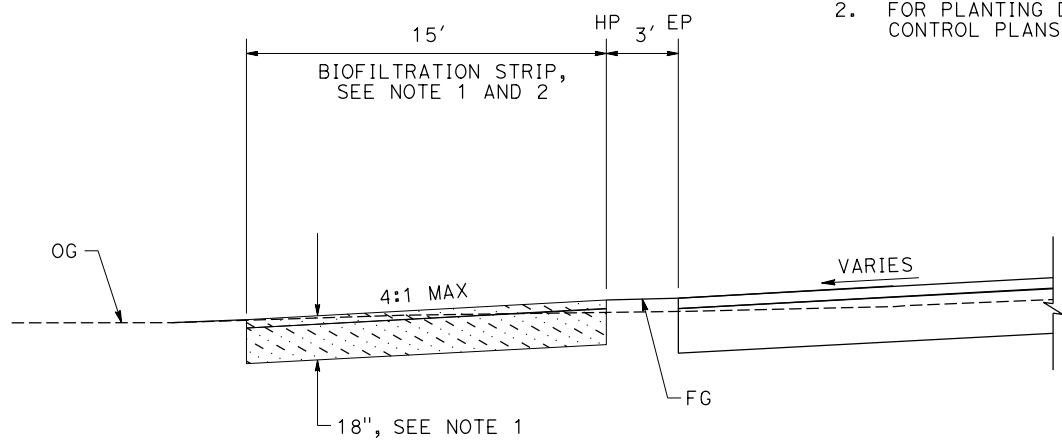
- BIOFILTRATION STRIP NOTES:**
- FOR INCORPORATION OF BIOFILTRATION SOILS, SEE EROSION CONTROL PLANS.
  - FOR PLANTING DETAILS, SEE EROSION CONTROL PLANS.



**SECTION A-A**  
 SCALE: 1"=4'

**EARTHEN DITCH**

12 b



**SECTION B-B**  
 SCALE: 1"=4'

**BIOFILTRATION STRIP BST 223L**

14 a

**DRAINAGE DETAILS**  
 NO SCALE

**DD-8**

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	94	230

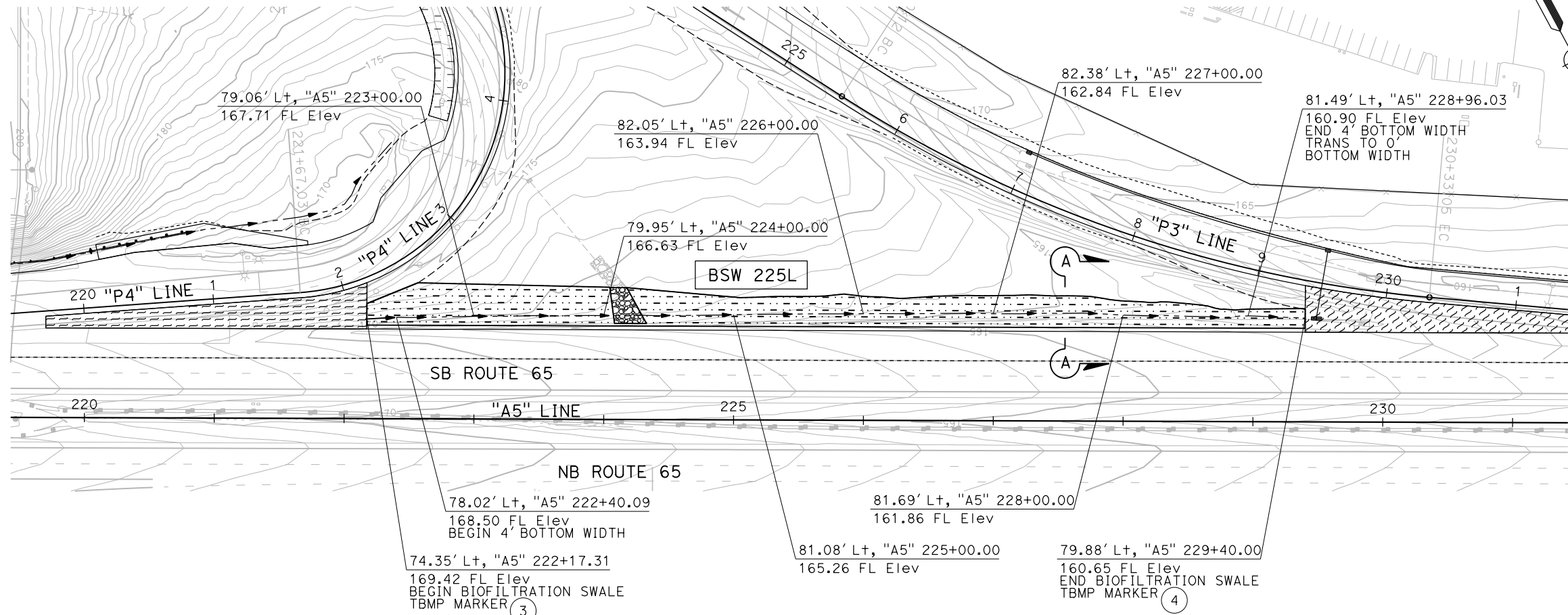
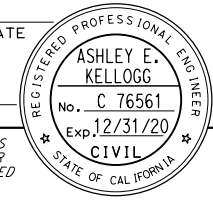
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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PARTIAL PLAN

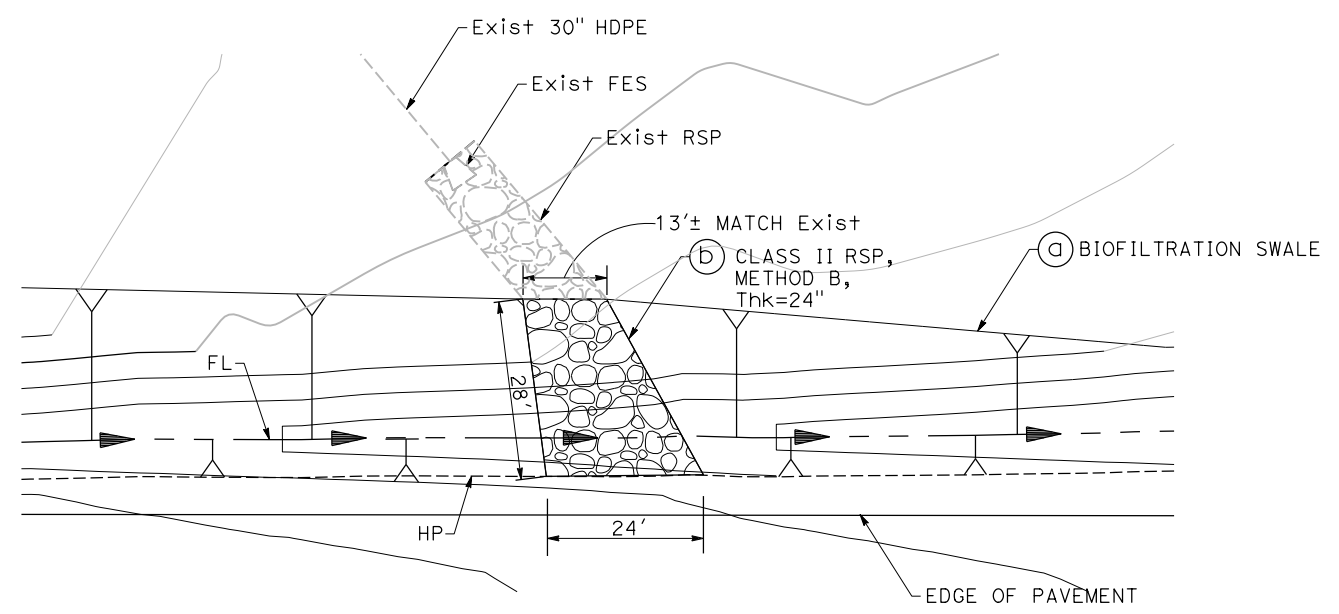
TBMP MARKER

3	BEGIN BIOSWL
4	END BIOSWL

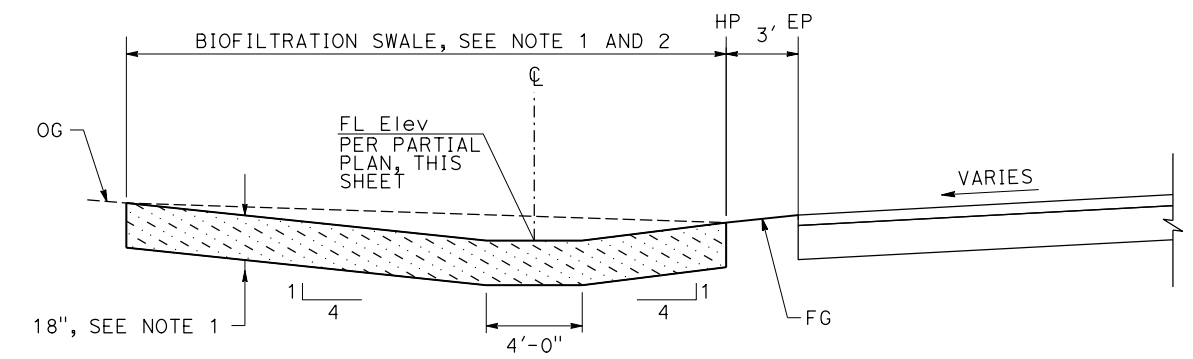
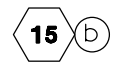
FOR DETAILS SEE STD PLAN RSP A73B

BIOFILTRATION SWALE NOTES:

- FOR INCORPORATION OF BIOFILTRATION SOILS, SEE EROSION CONTROL PLANS.
- FOR PLANTING DETAILS, SEE EROSION CONTROL PLANS.

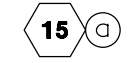


RSP JUNCTION



SECTION A-A  
SCALE: 1"=4'

BIOFILTRATION SWALE BSW 225L



DRAINAGE DETAILS

NO SCALE

DD-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

CONSULTANT FUNCTIONAL SUPERVISOR C. BENSON

REVISOR A. KELLOGG

DESIGNER R. HENDERSON

DESIGNED BY

CHECKED BY

REVISIONS



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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	95	230

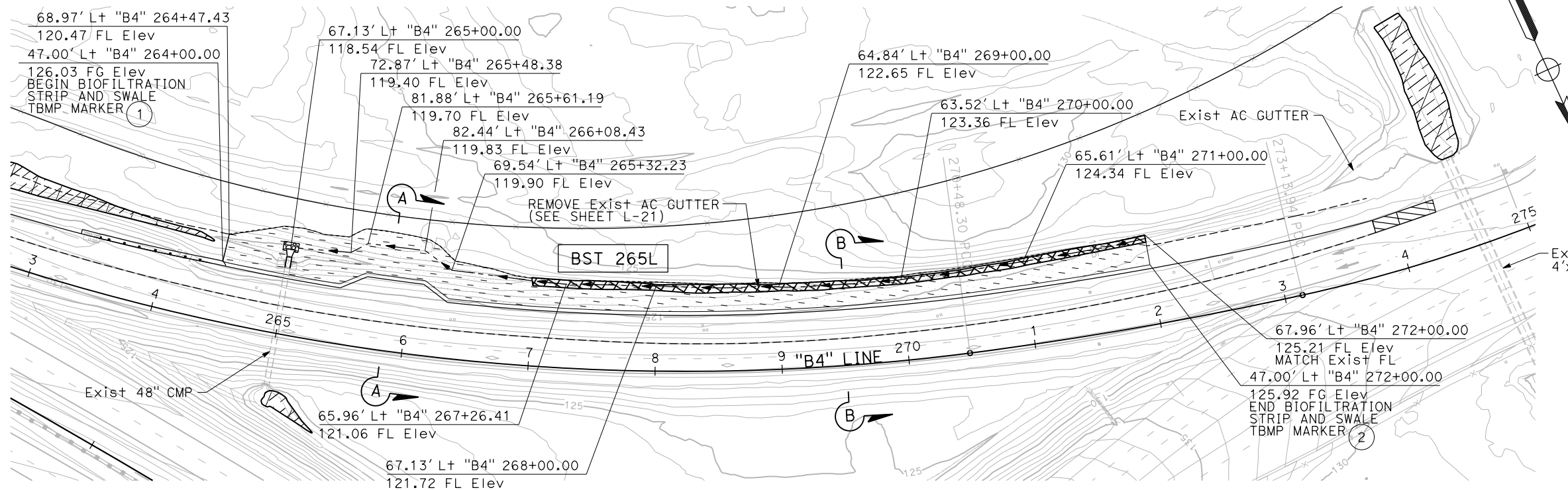
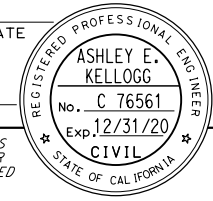
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**PARTIAL PLAN**

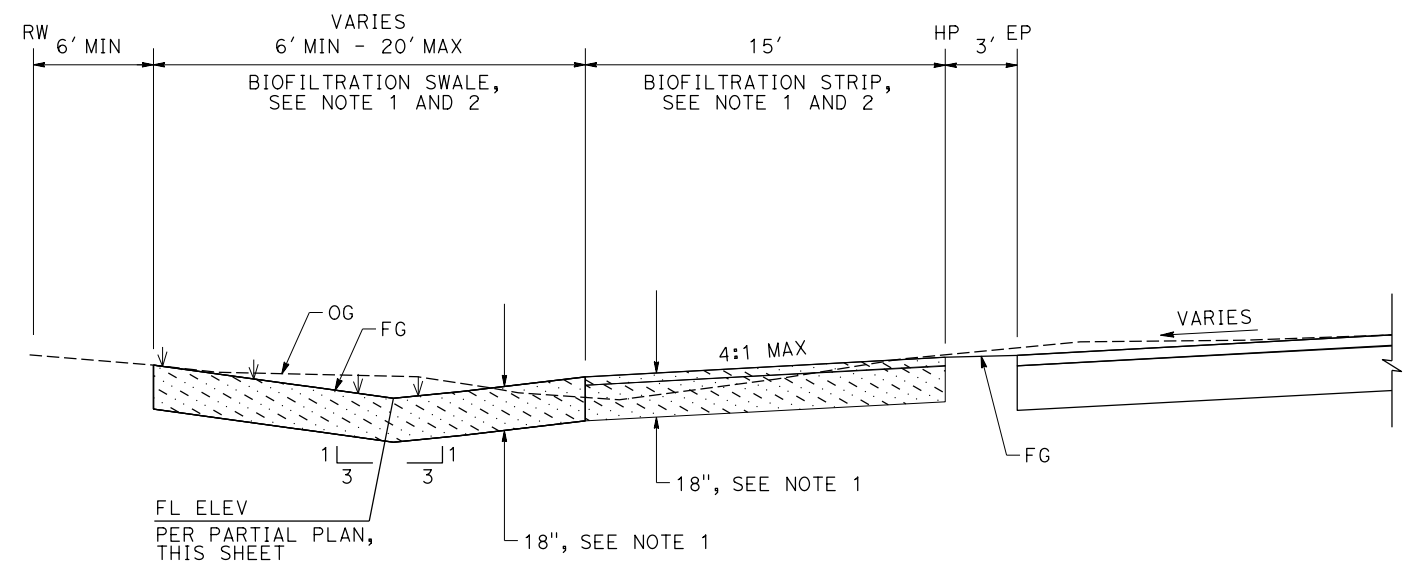
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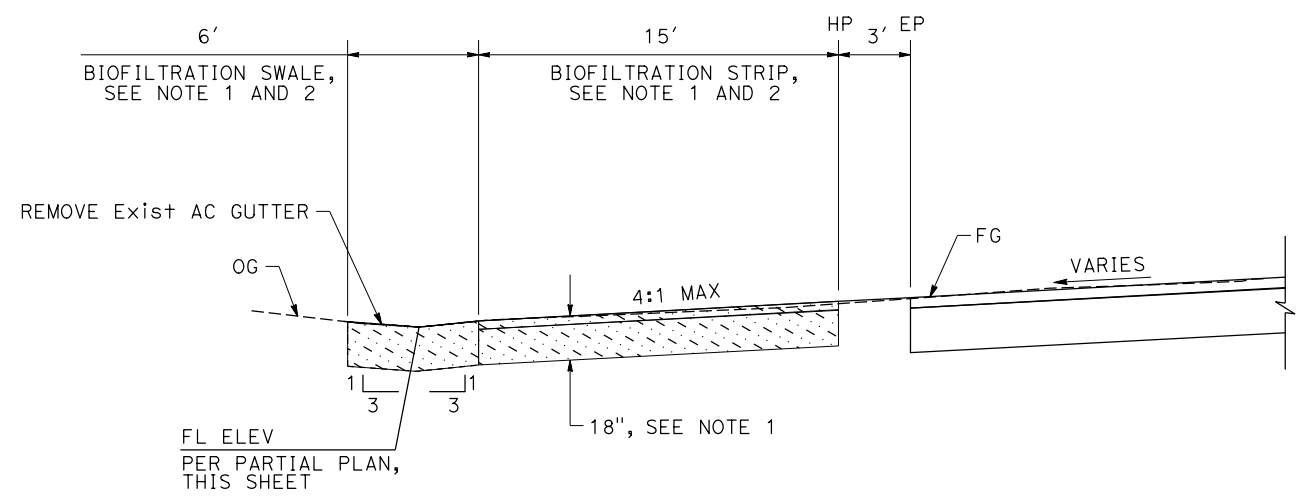
FOR DETAILS SEE STD PLAN RSP A73B

**BIOFILTRATION STRIP NOTES:**

- FOR INCORPORATION OF BIOFILTRATION SOILS, SEE EROSION CONTROL PLANS.
- FOR PLANTING DETAILS, SEE EROSION CONTROL PLANS.



**SECTION A-A**  
SCALE: 1"=4'



**SECTION B-B**  
SCALE: 1"=4'

**BIOFILTRATION STRIP AND SWALE**

**DRAINAGE DETAILS**

NO SCALE  
**DD-10**

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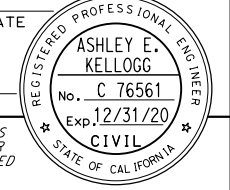
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	96	230

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DRAINAGE PLAN SHEET No.		DRAINAGE SYSTEM No.		DRAINAGE UNIT		STRUCTURE EXCAVATION (ROCK SLOPE PROTECTION)	DITCH EXCAVATION	HOT MIX ASPHALT (TYPE A)	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	STRUCTURAL CONCRETE, HEADWALL	STRUCTURAL CONCRETE, DRAINAGE INLET	MINOR CONCRETE (MINOR STRUCTURE)	BAR REINFORCING STEEL	18" ALTERNATIVE PIPE CULVERT	24" ALTERNATIVE PIPE CULVERT	30" ALTERNATIVE PIPE CULVERT	48" ALTERNATIVE PIPE CULVERT	72" REINFORCED CONCRETE PIPE	24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	18" BITUMINOUS COATED STEEL FLARED END SECTION	30" ALTERNATIVE FLARED END SECTION	48" ALTERNATIVE FLARED END SECTION	REMOVE PIPE (LF)	REMOVE INLET	REMOVE HEADWALL	REMOVE FLARED END SECTION (EA)	ROCK SLOPE PROTECTION (300 lb, Class IV, METHOD B) (CY)	ROCK SLOPE PROTECTION (60 lb, Class II, METHOD B) (CY)	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	MISCELLANEOUS IRON AND STEEL	TREATMENT BEST MANAGEMENT PRACTICE MARKER	CABLE RAILING	INLET TYPE (N)	HEIGHT OF INLET "H" (N)	GRATE FRAME TYPE (N)	MAXIMUM COVER (N)	PIPE ELBOW (N)	CONCRETE COLLAR (N)	36R GRATE (N)	DESCRIPTION	STATION																								
D-1	1	a																		41.0	1																			RSP	73.97' LT "G2" 160+48.00																									
		b																																									18" DD AND FES	32.00' LT "G2" 160+48.00																						
D-1	2	a				3.01					590													4.0																					Mod G2 W/ RISER CONN	69.00' LT "A5" 162+57.79																				
		b												39.2																														18" AP																						
		c				0.95	0.69				88.5																																		G1 DI W/ CONC APRON	76.00' LT, "A5" 163+00.00																				
		d			47*																																							EARTHEN DITCH (L = 397 FT)																						
D-2	3	a																																											RSP	73.06' LT "G2" 163+55.00																				
		b																																												18" DD AND FES	32.00' LT "G2" 163+55.00																			
D-2	4	a				0.95	0.69				88.5																																				G1 DI W/ CONC APRON	79.90' LT "A5" 167+86.16																		
		b				4.14					810													5.5																						Mod G2 W/ RISER CONN	69.00' LT "A5" 167+93.59																			
		c												12.0																																18" AP																				
		d			340*																																										EARTHEN DITCH (L = 480 FT)																			
		e			45*																																									EARTHEN DITCH (L = 65 FT)																				
D-2	5	a																																														RSP																		
		b																																															REMOVE FES	94.50' LT "A5" 174+00.00																
		c																						15.0																									REMOVE 30" CMP	94.50' LT "A5" 174+00.00																
		d							5.2		518																																						HW	94.50' LT "A5" 174+00.00																
		e																																															30" AP	82.80' LT "A5" 174+00.00																
		f								2.5	274																																						G2 DI	82.80' LT "A5" 174+00.00																
D-3	6	a																																															RSP	89.50' LT "A5" 176+80																
		b																																																18" DD AND FES	82.00' LT "A5" 176+80															
D-3	7	a																																																HMA DITCH*																
D-4	7	b				2.8	21.4																																											HMA DITCH TRANSITION	91.00' LT "A5" 190+60															
		c			12	23.7	181.4																																										HMA DITCH	93.29' LT "A5" 190+79.64																
D-4	8	a																																																RSP	126.05' LT "A5" 196+48.00															
		b																																																	18" DD AND FES	81.41' LT "A5" 196+48.00														
																					0	12	26.5	202.8	5.2	11.6	1.38	2369	51.2	0	12	0	0	0	0	136	4	0	0	24.5	0	0	0	1	0	26.5	79	2102	0	0						4	0								SHEET TOTAL	

\* - FOR INFORMATION ONLY  
EARTHEN DITCH EXCAVATION QUANTITY INCLUDED  
IN ROADWAY EXCAVATION. SEE Q SHEETS

# DRAINAGE QUANTITIES

NO SCALE

## DQ-1

LAST REVISION DATE PLOTTED => 23-JUL-2020  
00-00-00 TIME PLOTTED => 13:54







**NOTE:**  
 1. 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
03	Pld	65	R5.7/R8.2	99	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

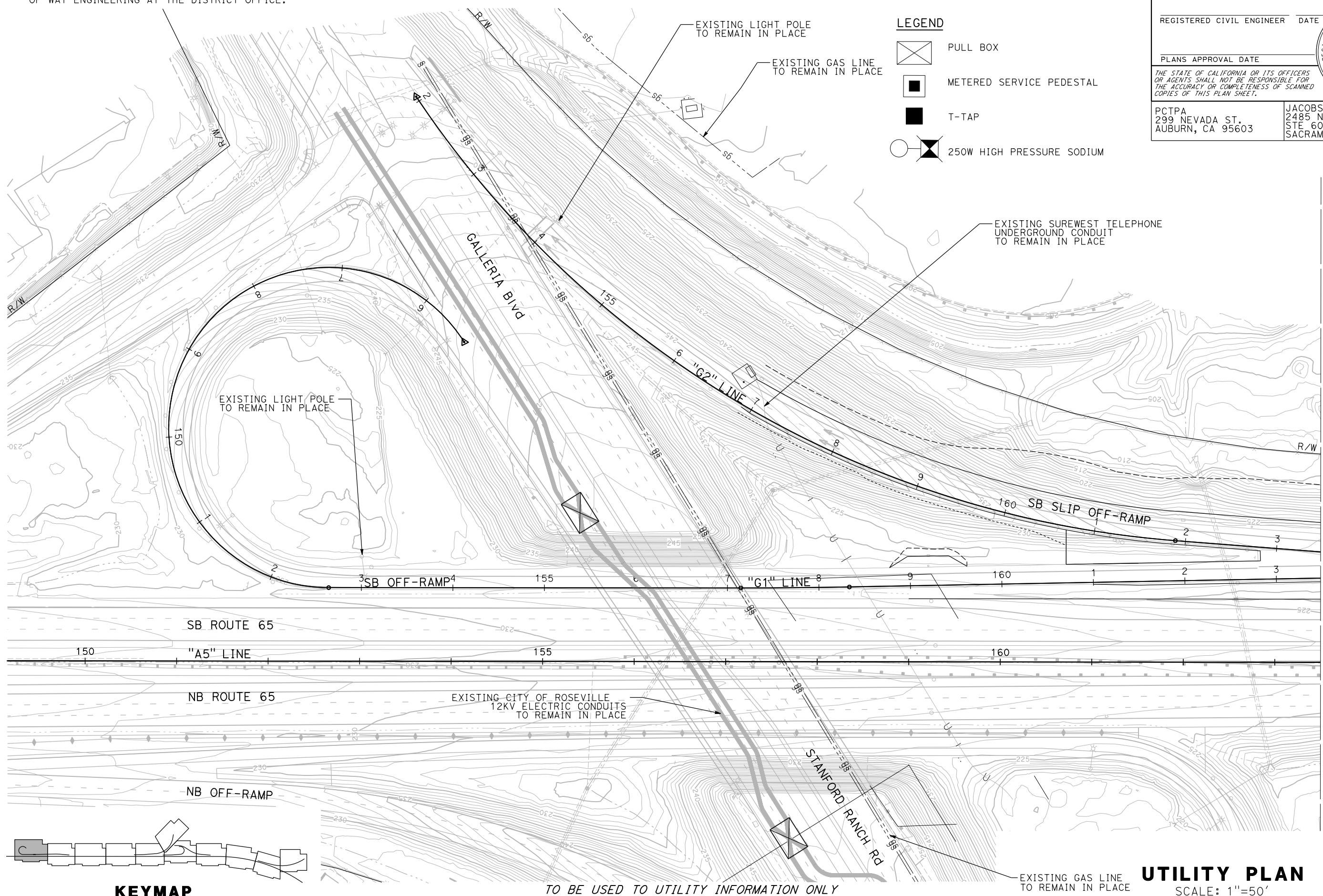
PLANS APPROVAL DATE \_\_\_\_\_

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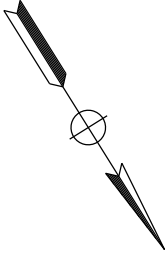
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

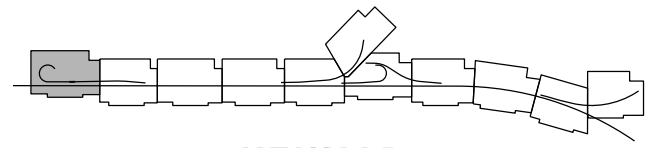
- LEGEND**
- PULL BOX
  - METERED SERVICE PEDESTAL
  - T-TAP
  - 250W HIGH PRESSURE SODIUM



MATCH LINE (SHEET U-2)



**KEYMAP**



TO BE USED TO UTILITY INFORMATION ONLY

**UTILITY PLAN**  
 SCALE: 1"=50'

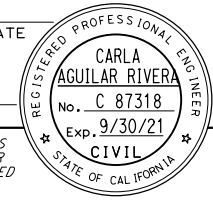
**U-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
	C. BENSON	C. AGUILAR RIVERA	G. MANOREK
		CHECKED BY	DATE REVISED

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:54

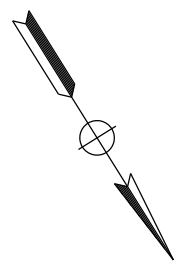
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	100	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



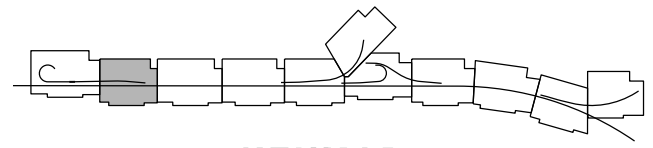
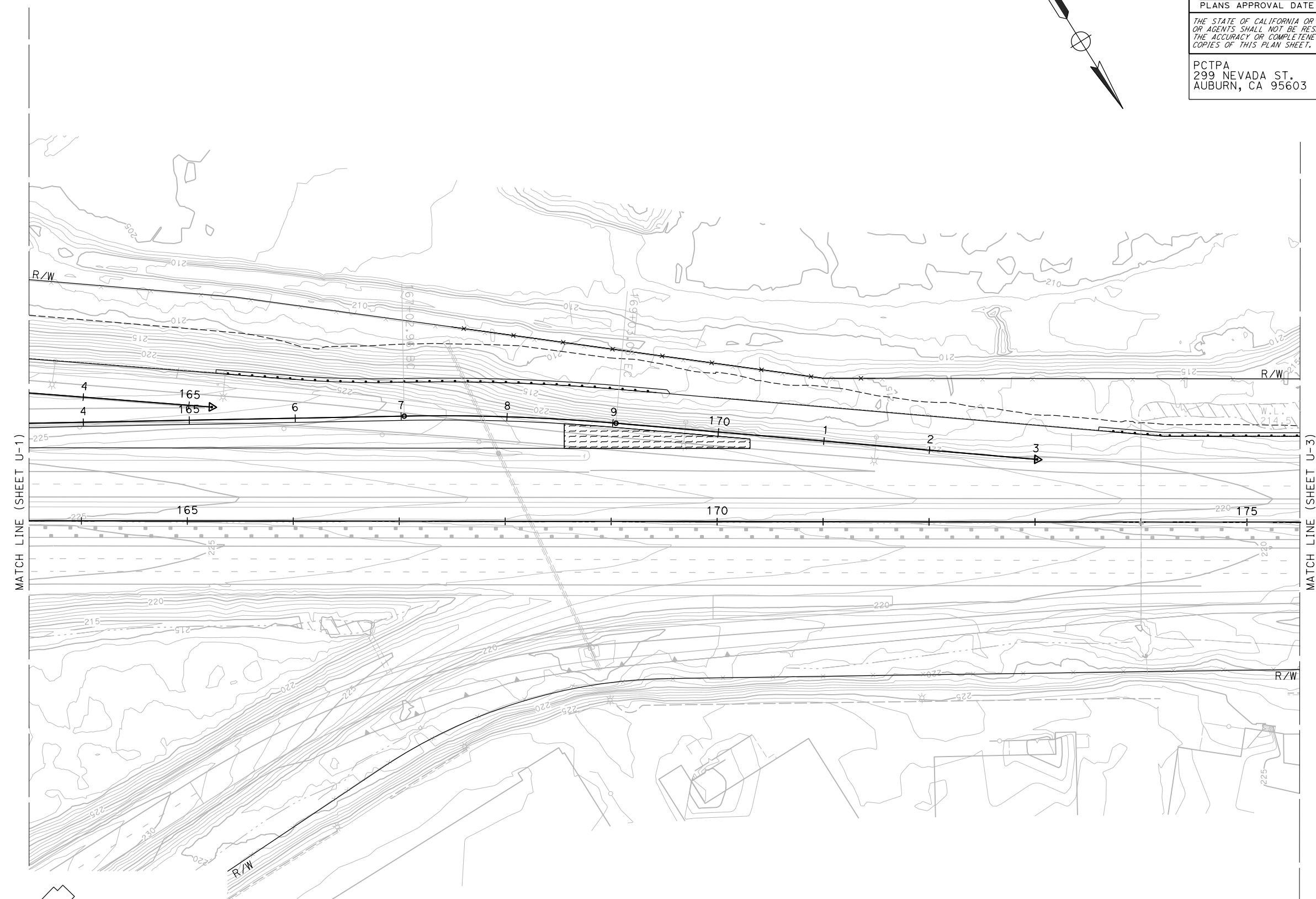
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
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 STE 600  
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**NOTE:**  
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		C. AGUILAR RIVERA	REVISOR
		G. MANOREK	DATE



**KEYMAP**

TO BE USED FOR UTILITY INFORMATION ONLY

**UTILITY PLAN**  
 SCALE: 1"=50'

**U-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED-DESIGNED BY: C. AGUILAR RIVERA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

**NOTES:**

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	101	230

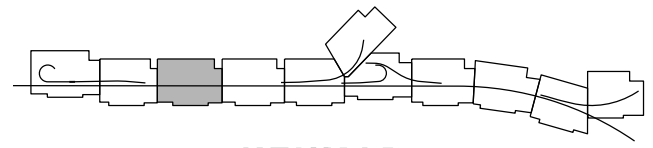
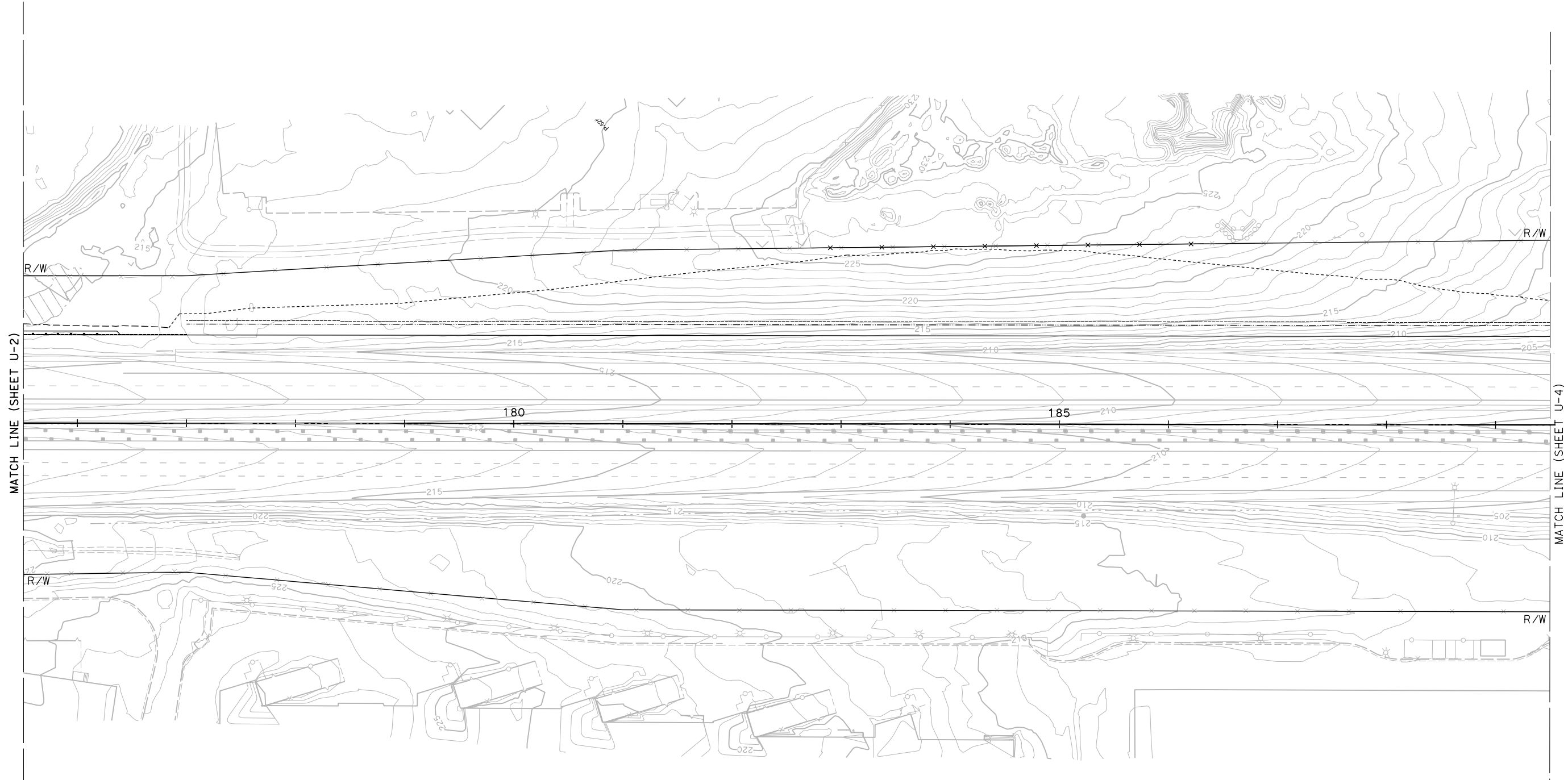
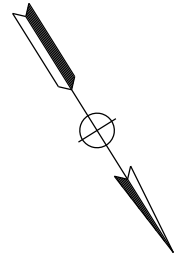
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER  
**CARLA AGUILAR RIVERA**  
 No. C 87318  
 Exp. 9/30/21  
 CIVIL  
 STATE OF CALIFORNIA

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**KEYMAP**

TO BE USED FOR UTILITY INFORMATION ONLY

**UTILITY PLAN**  
 SCALE: 1"=50'

**U-3**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:54

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED-DESIGNED BY: C. AGUILAR RIVERA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

**NOTES:**  
 1. 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
03	Plā	65	R5.7/R8.2	102	230

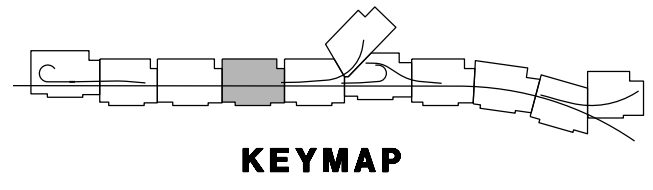
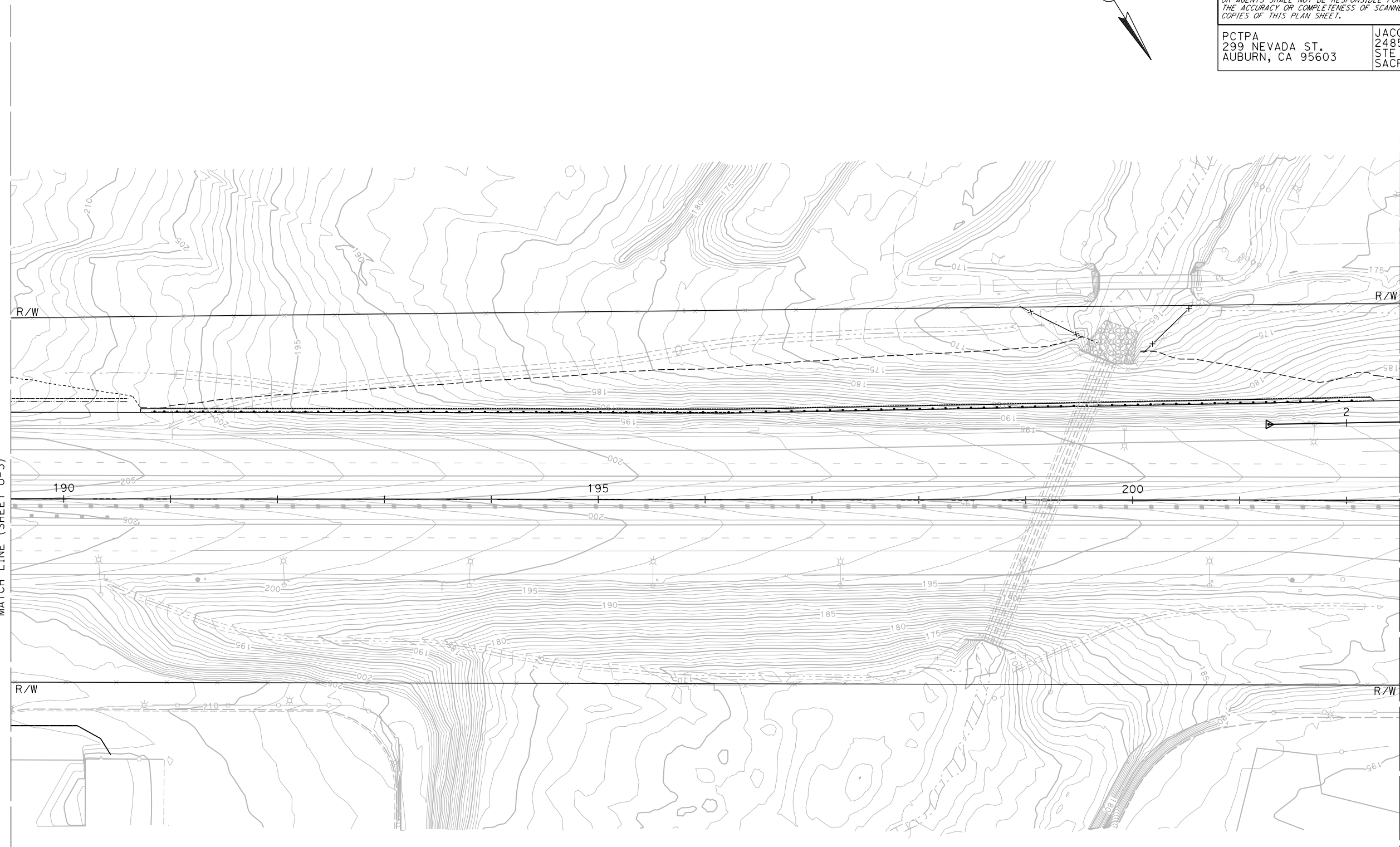
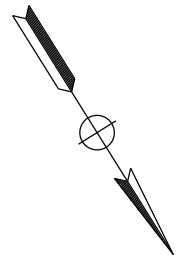
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER  
**CARLA AGUILAR RIVERA**  
 No. C 87318  
 Exp. 9/30/21  
 CIVIL  
 STATE OF CALIFORNIA

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 AUBURN, CA 95603

JACOBS  
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**UTILITY PLAN**  
 SCALE: 1"=50'

**U-4**

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:54

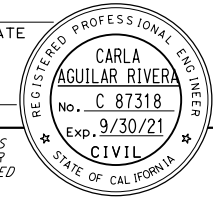
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: C. AGUILAR RIVERA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE REVISED: [ ]

**NOTES:**

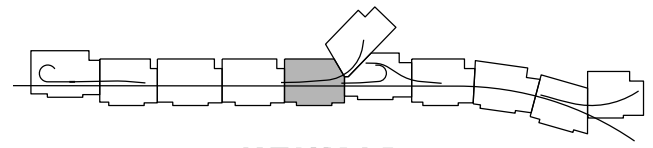
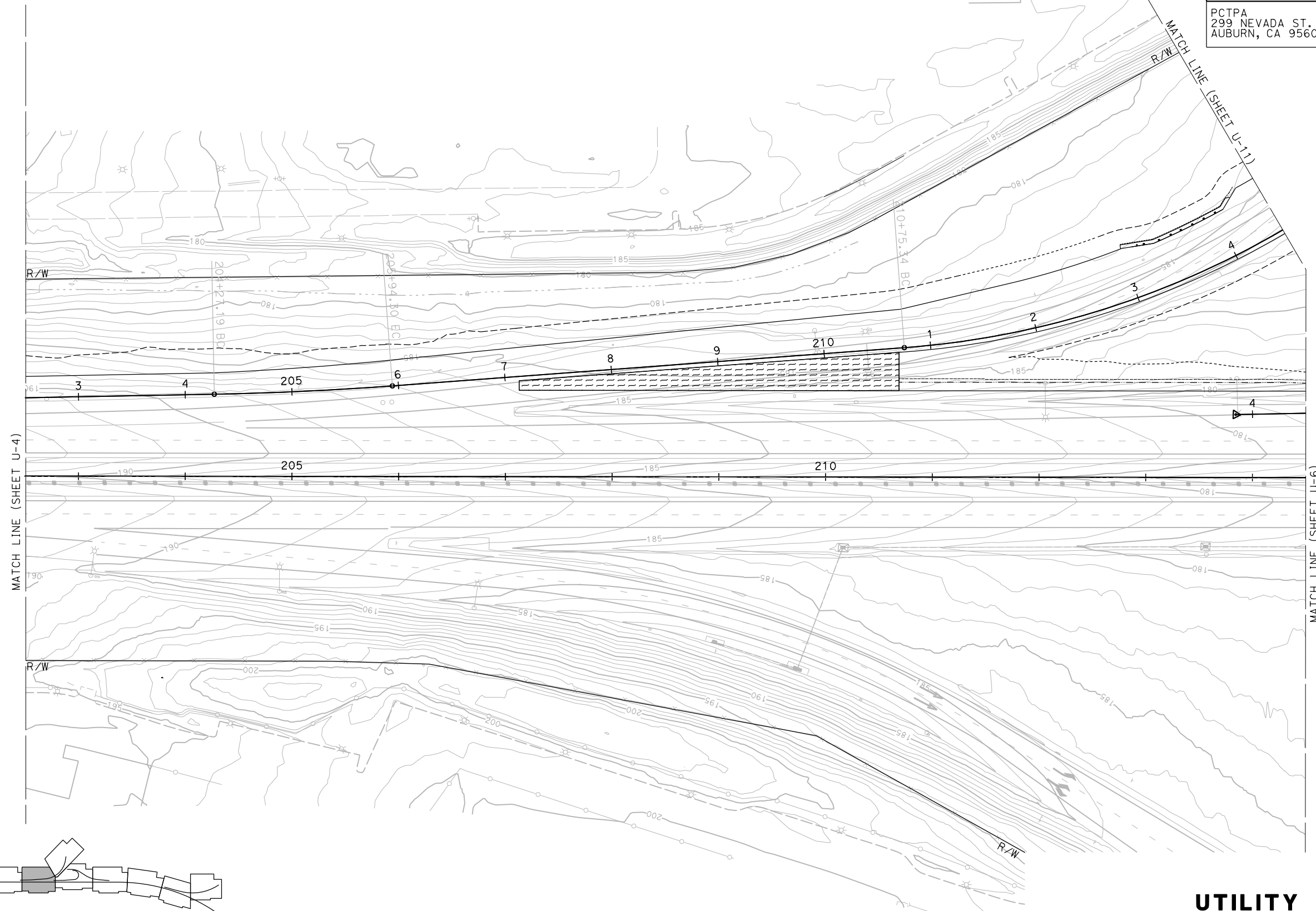
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	103	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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**UTILITY PLAN**  
 SCALE: 1"=50'

**U-5**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:55



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	C. AGUILAR RIVERA
			G. MANOREK
			DATE REVISION

**NOTES:**

- 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
03	Pld	65	R5.7/R8.2	104	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

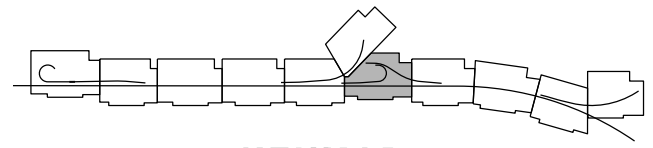
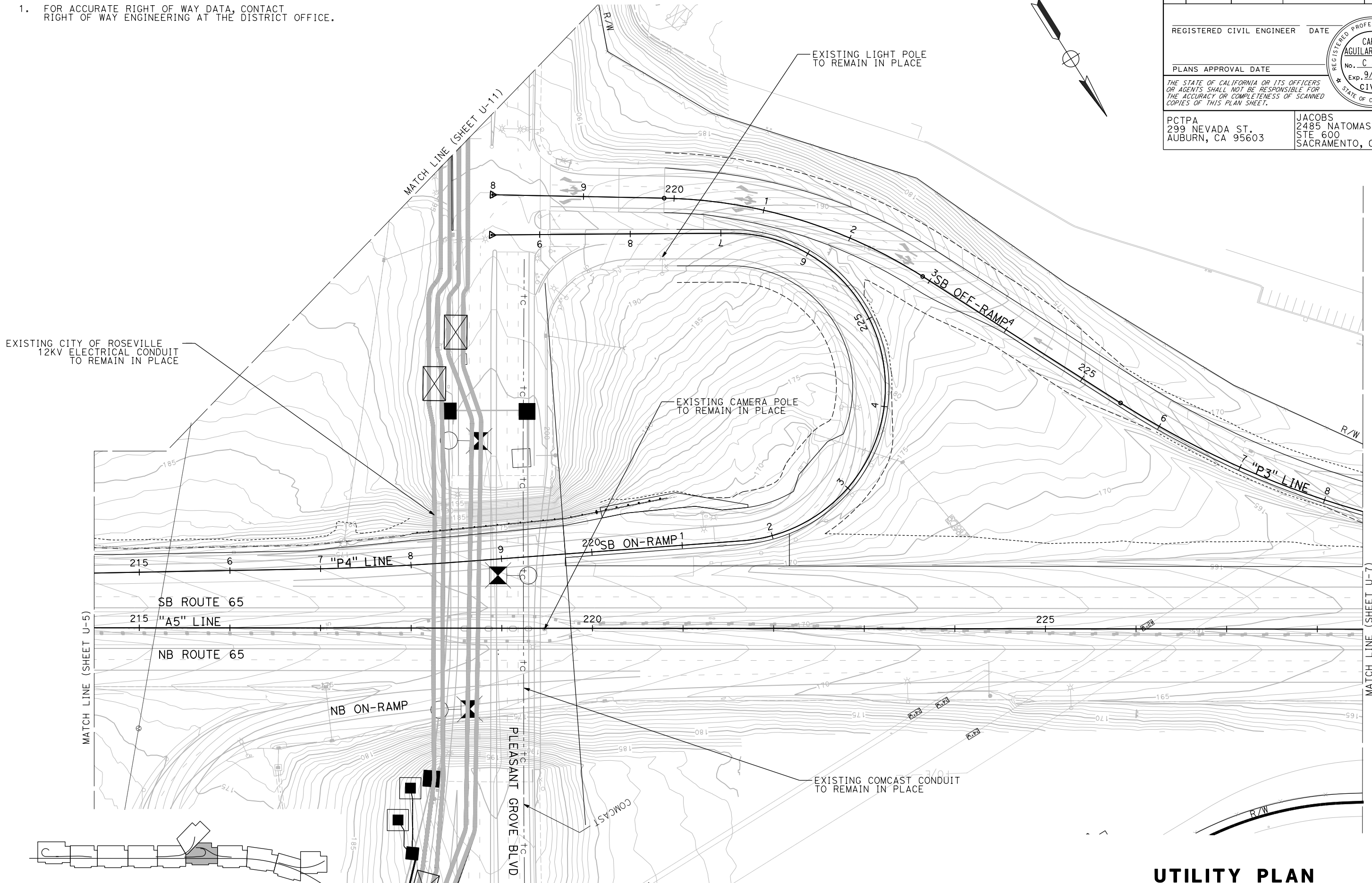
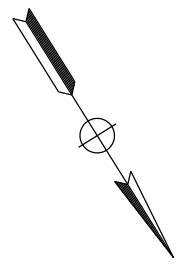
PLANS APPROVAL DATE \_\_\_\_\_

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SACRAMENTO, CA 95833

REGISTERED PROFESSIONAL ENGINEER  
**CARLA AGUILAR RIVERA**  
 No. C 87318  
 Exp. 9/30/21  
 CIVIL  
 STATE OF CALIFORNIA



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**UTILITY PLAN**  
SCALE: 1"=50'

**U-6**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:58

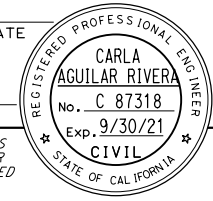


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: C. AGUILAR RIVERA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

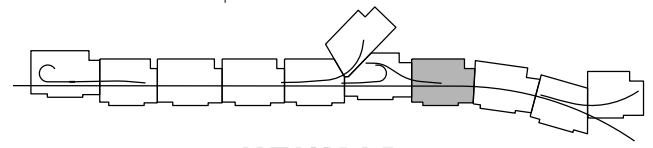
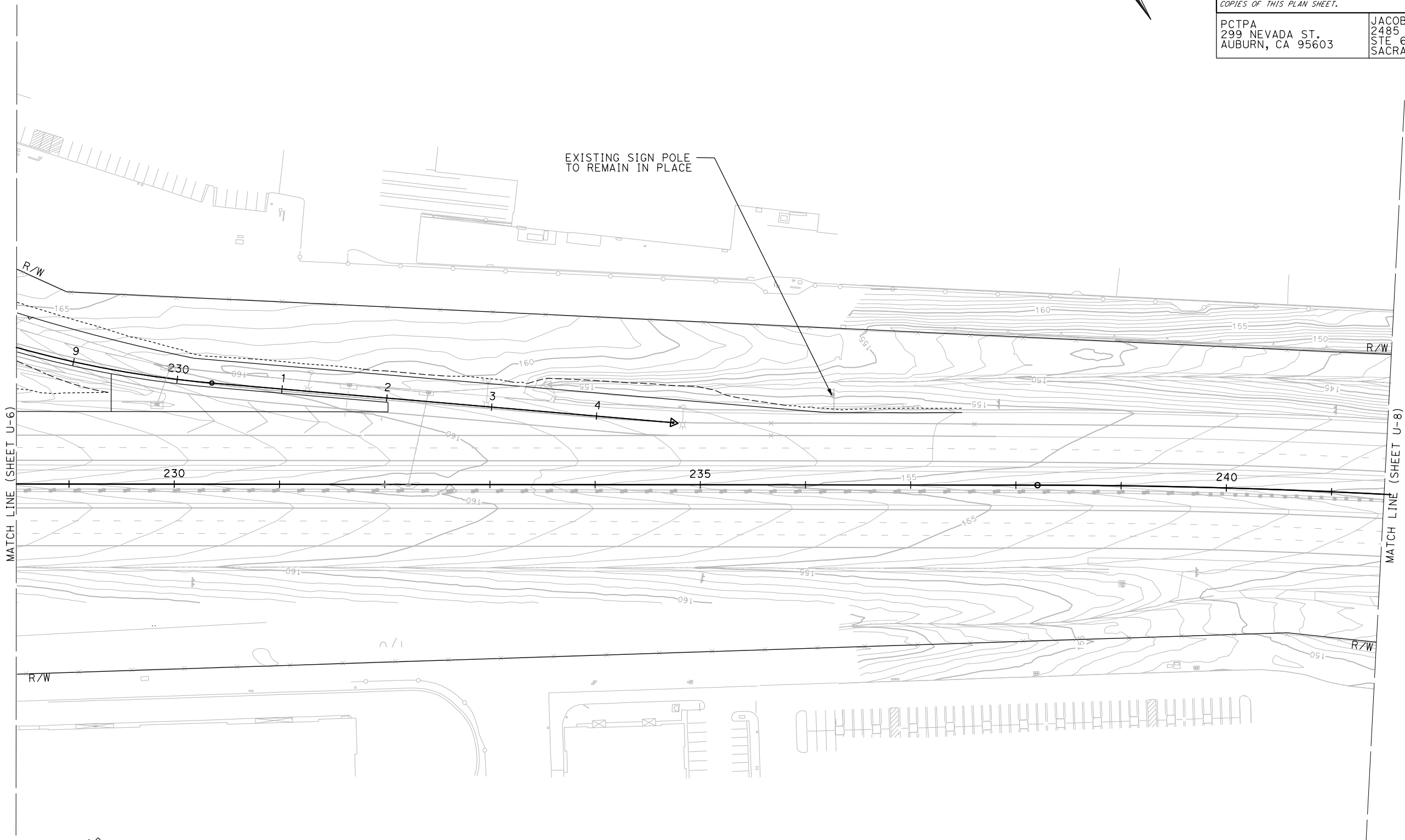
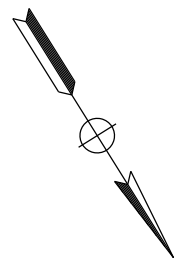
**NOTE:**  
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	105	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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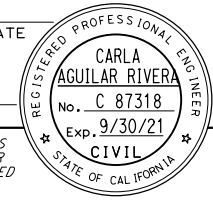
**UTILITY PLAN**  
 SCALE: 1"=50'

**U-7**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:54

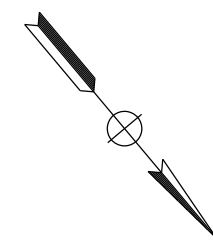
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	106	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



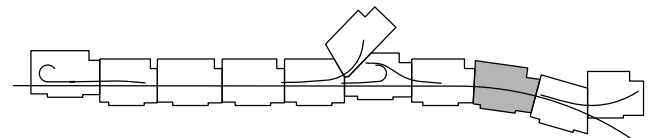
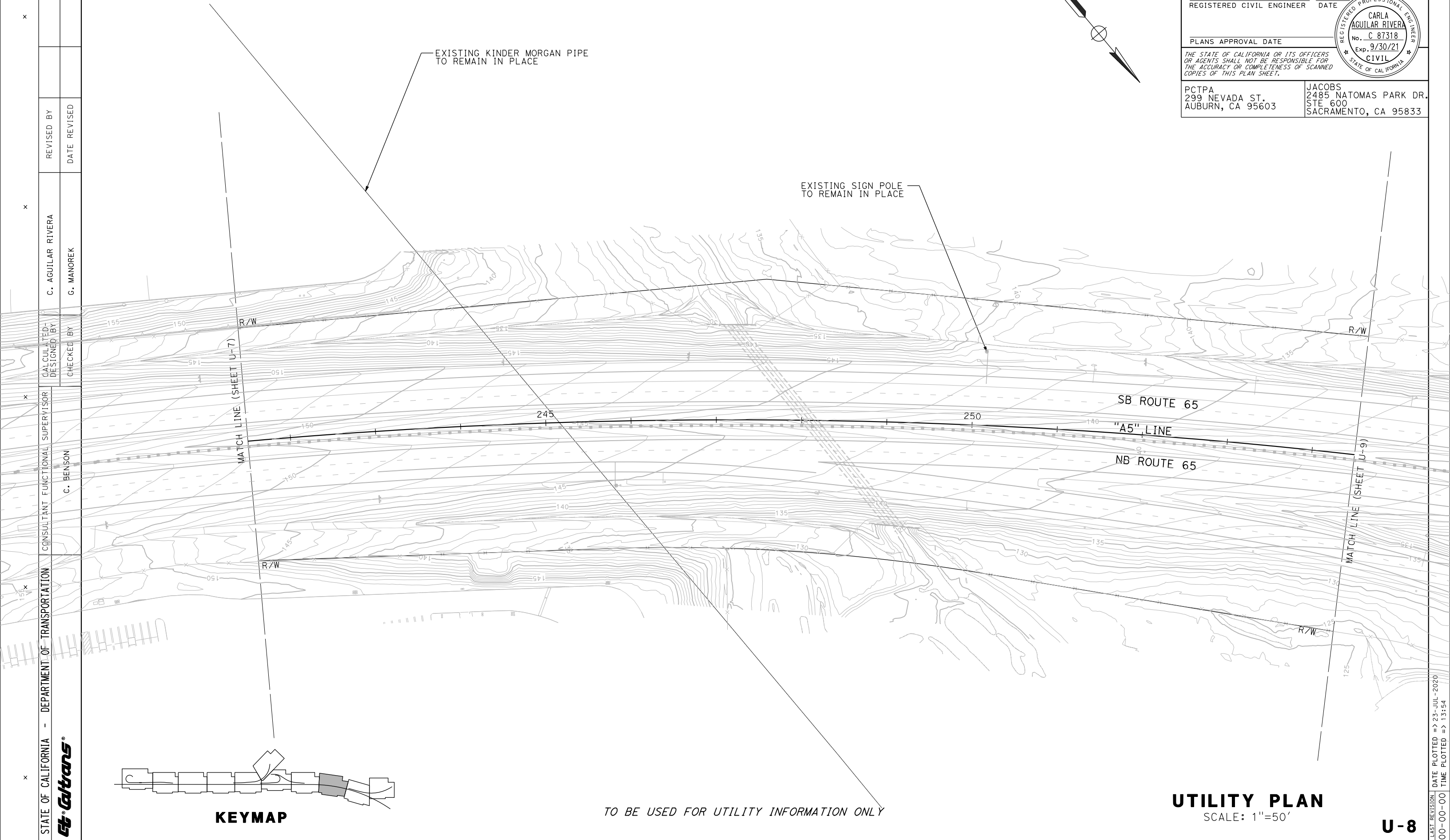
PCTPA  
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 AUBURN, CA 95603

JACOBS  
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 SACRAMENTO, CA 95833



**NOTES:**  
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	C. AGUILAR RIVERA	
	CHECKED BY	DATE	REVISION
	G. MANOREK		



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**UTILITY PLAN**  
 SCALE: 1"=50'

**U-8**

LAST REVISION DATE PLOTTED => 23-JUL-2020  
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: C. AGUILAR RIVERA  
 CHECKED BY: G. MANOREK  
 REVISED BY: [ ] DATE: [ ]  
 REVISIONS: [ ]

**NOTES:**  
 1. FOR ACCURATE RIGHT OF WAY DATA CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

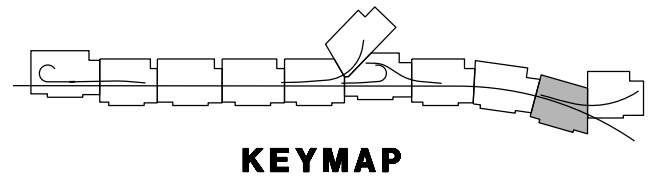
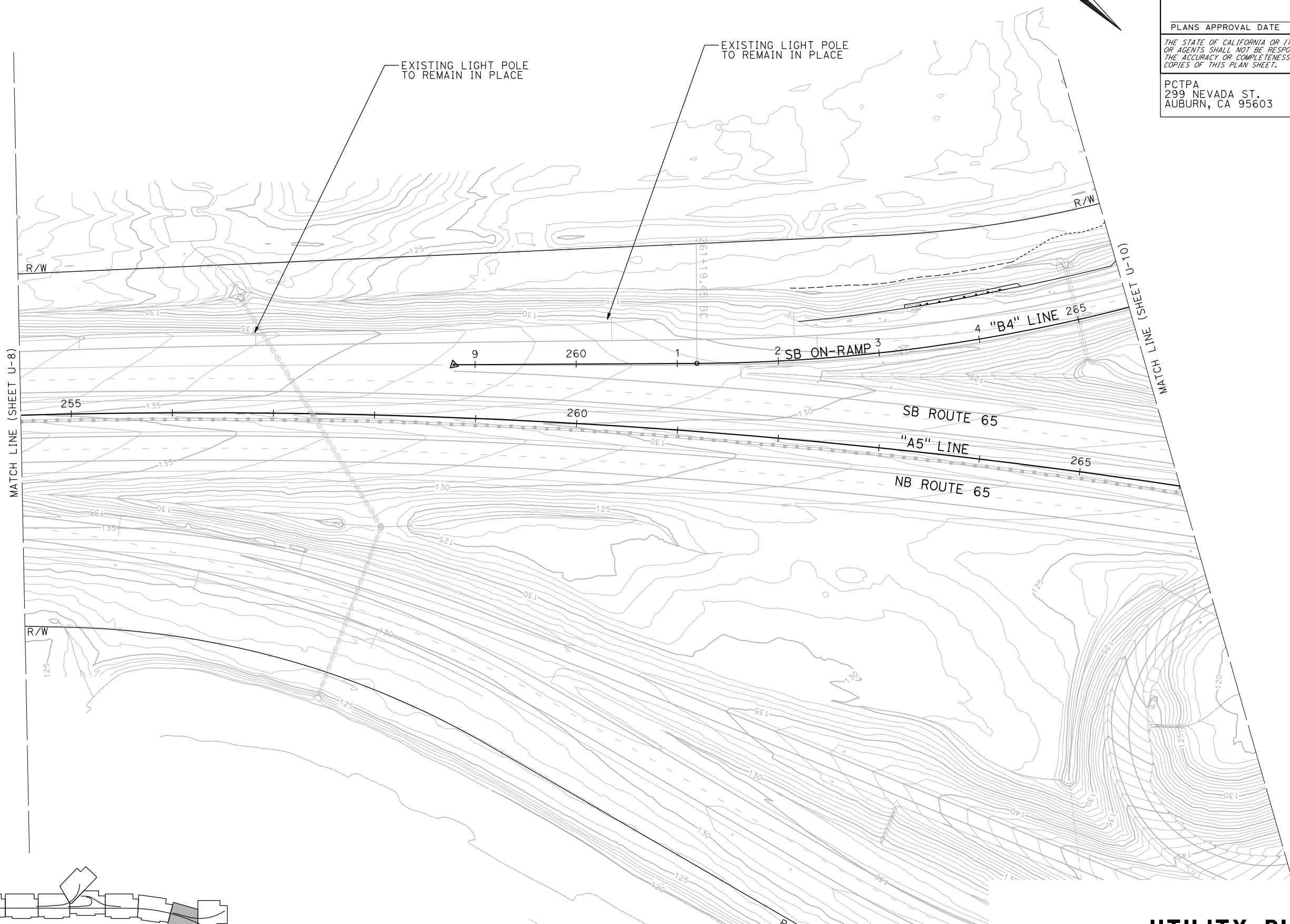
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	107	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

REGISTERED PROFESSIONAL ENGINEER  
**CARLA AGUILAR RIVERA**  
 No. C 87318  
 Exp. 9/30/21  
 CIVIL  
 STATE OF CALIFORNIA

PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



TO BE USED FOR UTILITY INFORMATION ONLY

**UTILITY PLAN**  
 SCALE: 1"=50'

**U-9**

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:55

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		C. AGUILAR RIVERA	REVISOR
		G. MANOREK	DATE

**NOTES:**

- 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
03	Plā	65	R5.7/R8.2	108	230

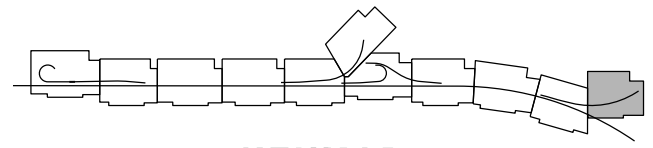
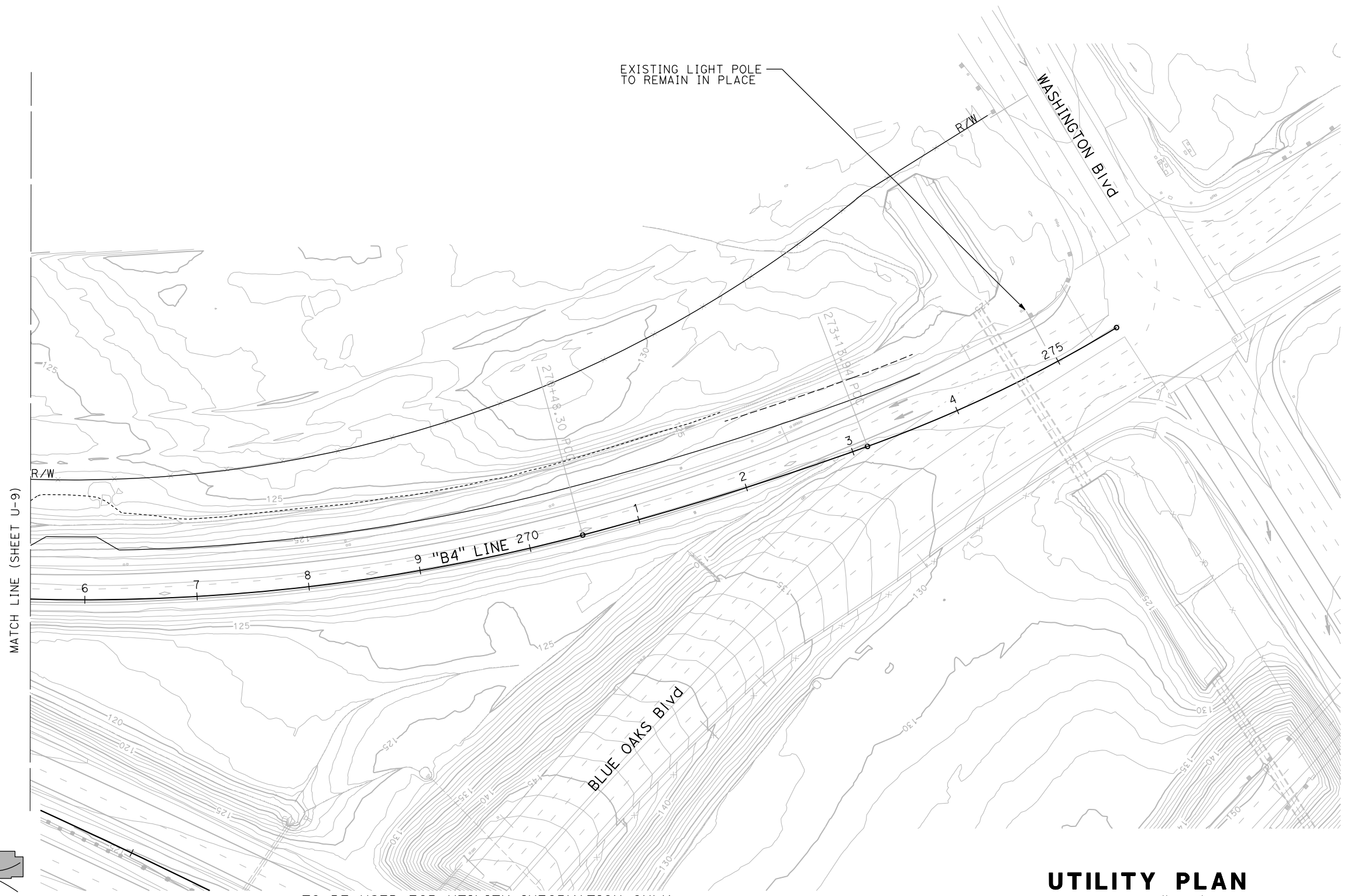
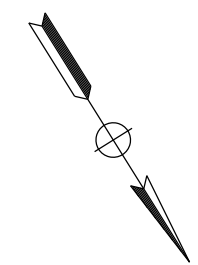
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**KEYMAP**

TO BE USED FOR UTILITY INFORMATION ONLY

**UTILITY PLAN**  
SCALE: 1"=50'

**U-10**

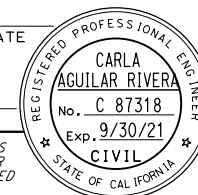
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**NOTES:**

- 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
03	Plā	65	R5.7/R8.2	109	230

REGISTERED CIVIL ENGINEER DATE

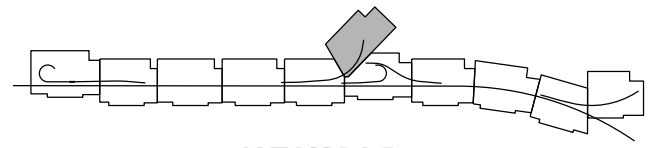
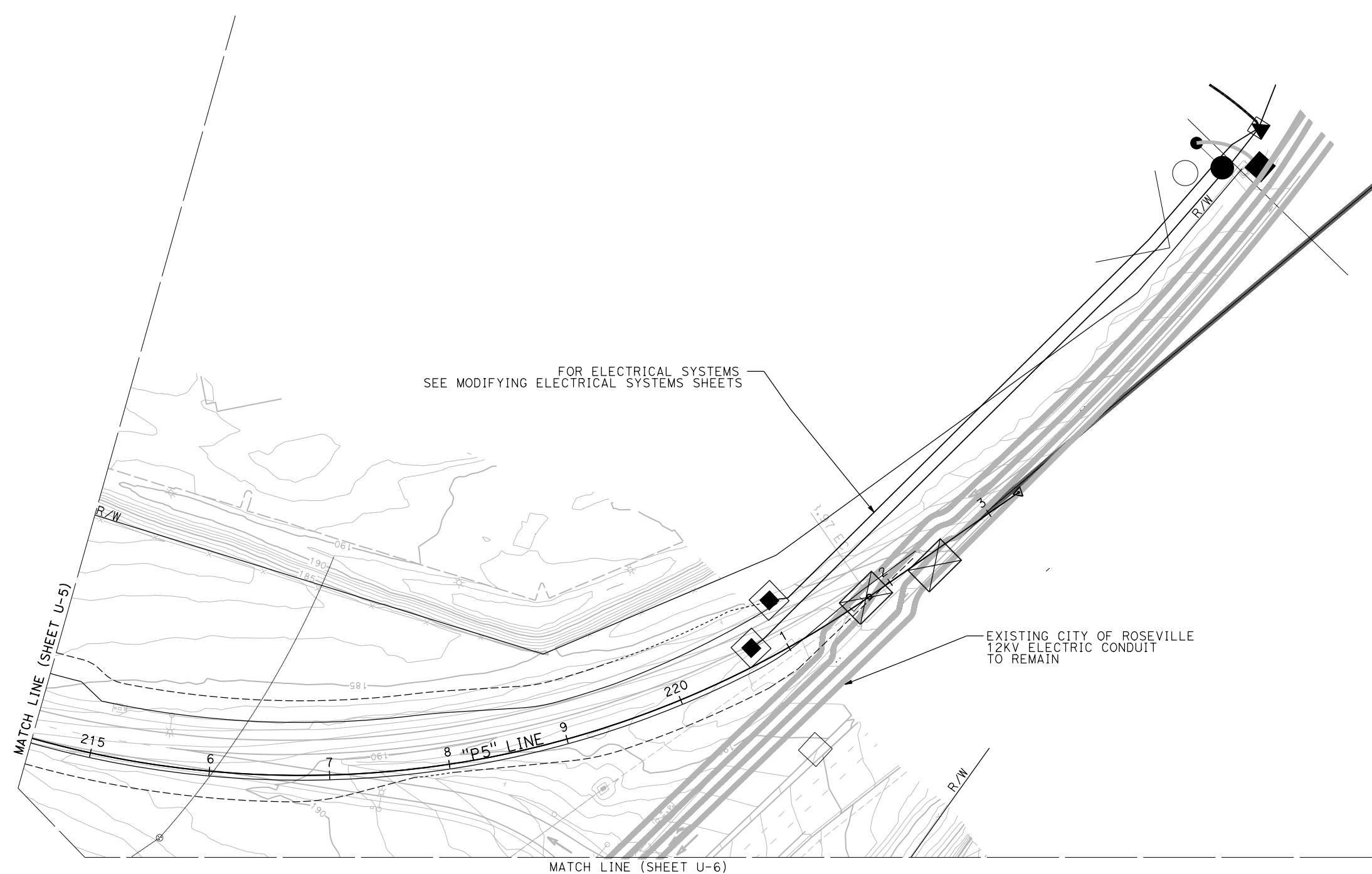
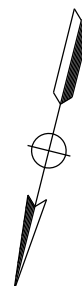


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<b>Caltrans</b>	C. BENSON	C. AGUILAR RIVERA	G. MANOREK
		CHECKED BY	DATE REVISED

USERNAME => pwsvc  
DGN FILE => 031F1701ka011.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 0303

PROJECT NUMBER & PHASE 0320000055 03-1F1714

**U-11**

LAST REVISION DATE PLOTTED => 23-JUL-2020  
00-00-00 TIME PLOTTED => 13:55

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 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: L. REINKING  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE  
 REVISIONS: x, x, x, x

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

NOTES:

1. LOCATION OF CONSTRUCTION AREA SIGNS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, SEE STAGE CONSTRUCTION PLANS AND MOTORIST INFORMATION PLANS.

LEGEND:

- ▬ STATIONARY SIGN (1 POST)
- Ⓐ STATIONARY SIGN NO.
- ▬ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
- ▬ PORTABLE RADAR SPEED FEEDBACK SIGN SYSTEM (PRSFSS)

SIGN No. (X)	SIGN CODE		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
A	G20-2		48" x 24"	END ROAD WORK	2 - 4" x 4"	6
B	W20-1		60" x 60"	ROAD WORK AHEAD	2 - 4" x 4"	5
C		C40(CA)	144" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	2 - 6" x 8"	3
D		R2-4(55)(CA)	48" x 60"	SPEED ZONE AHEAD (55)	1 - 4" x 6"	1
E	R2-1(55)		48" x 60"	SPEED LIMIT (55)	1 - 4" x 6"	2
F	R2-12		36" x 54"	END WORK ZONE SPEED LIMIT	1 - 4" x 6"	1
	R2-1(65)		48" x 60"	SPEED LIMIT (65)		
TOTAL SIGNS						18

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	110	230

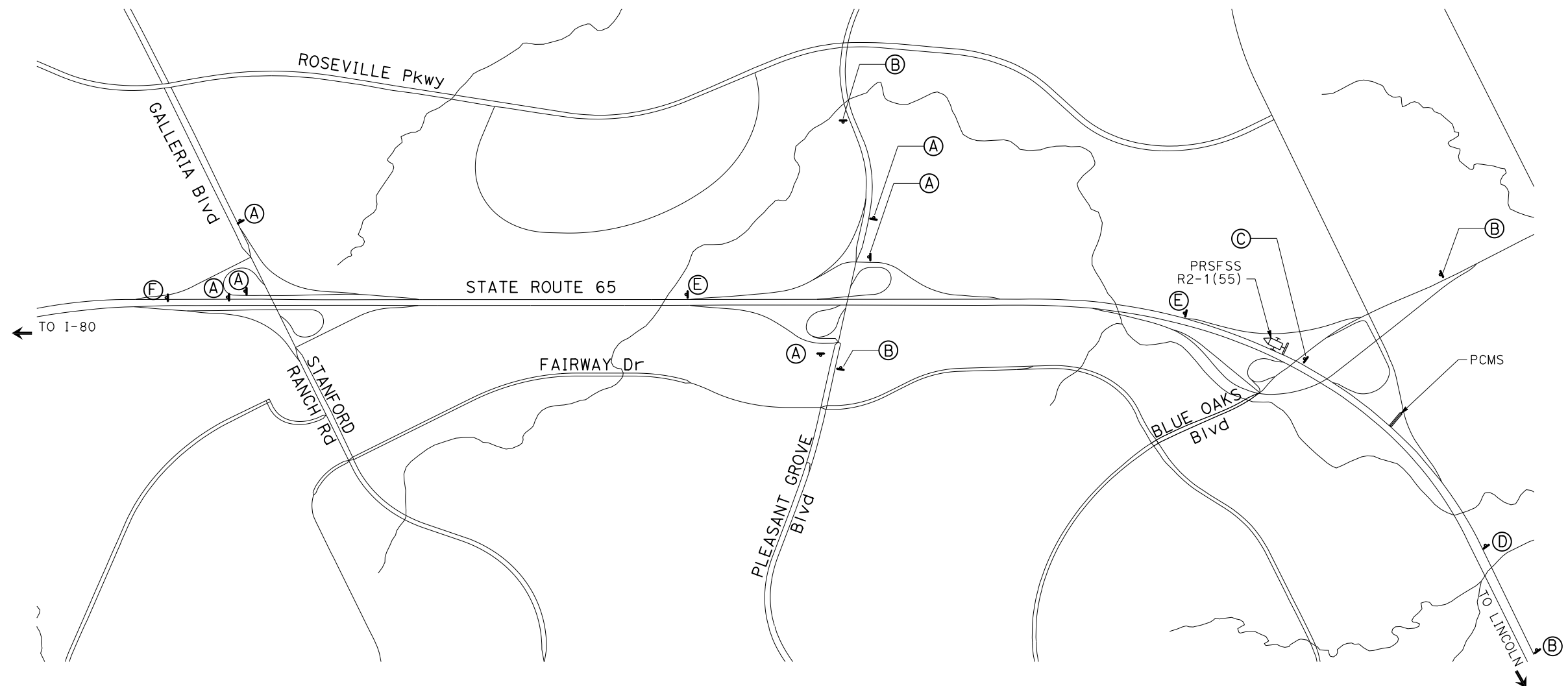
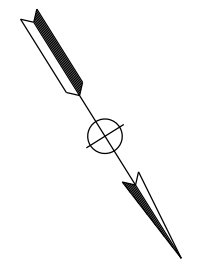
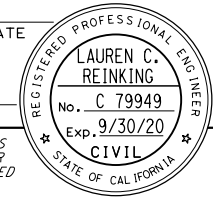
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**CONSTRUCTION AREA SIGNS**  
 NO SCALE  
**CS-1**

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
  
 CONSULTANT FUNCTIONAL SUPERVISOR C. BENSON  
 CALCULATED-DESIGNED BY CHECKED BY  
 L. REINKING G. MANOREK  
 REVISED BY DATE REVISED  
 x x x x x

**NOTES:**

1. LOCATION OF MOTORIST INFORMATION SIGNS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER.
2. FOR ADDITIONAL CONSTRUCTION AREA SIGNS, SEE STAGE CONSTRUCTION PLANS AND CONSTRUCTION AREA SIGNS PLAN.
3. LOCATION OF PORTABLE CHANGEABLE MESSAGE SIGNS ARE APPROXIMATE. LOCATIONS AND MESSAGING WILL BE DETERMINED BY THE ENGINEER.

**STAGES 2-4 (PLEASANT GROVE "P4" LOOP ON RAMP TRUCK EXCLUSION)  
STATIONARY MOUNTED MOTORIST INFORMATION SIGNS**

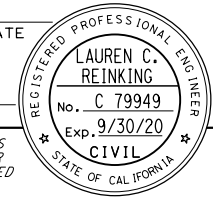
SIGN NO. Ⓐ	SIGN DESIGNATION		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
T		R53D(CA)	66" x 72"	AUTOS WITH TRAILERS - TRUCKS - PROHIBITED	1 - 4" x 6"	1
					TOTAL SIGNS	1

**STAGE 3 DETOUR (PLEASANT GROVE "P4" LOOP ON-RAMP CLOSURE)  
STATIONARY MOUNTED MOTORIST INFORMATION SIGNS**

DETOUR NO. SIGN NO. D#-S#	SIGN DESIGNATION		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
P-1	M4-8		30" x 15"	DETOUR	1 - 4" x 6"	1
	M3-3		24" x 12"	SOUTH		
		G28-2(65)(CA)	30" x 25"	ROUTE SHIELD (65)		
P-2	M6-1(R+)		21" x 15"	RIGHT ARROW	1 - 4" x 6"	1
	M4-8		30" x 15"	DETOUR		
	M3-3		24" x 12"	SOUTH		
P-3		G28-2(65)(CA)	30" x 25"	ROUTE SHIELD (65)	1 - 4" x 6"	1
	M6-3(UP)		21" x 15"	UP ARROW		
	M4-8		30" x 15"	DETOUR		
P-4	M3-3		24" x 12"	SOUTH	1 - 4" x 6"	1
		G28-2(65)(CA)	30" x 25"	ROUTE SHIELD (65)		
	M6-1(L+)		21" x 15"	LEFT ARROW		
P-5	M4-8		30" x 15"	DETOUR	1 - 4" x 6"	1
	M3-3		24" x 12"	SOUTH		
		G28-2(65)(CA)	30" x 25"	ROUTE SHIELD (65)		
P-6	M6-1(L+)		21" x 15"	LEFT ARROW	1 - 4" x 6"	1
	M4-8a		30" x 15"	END DETOUR		
	M3-3		24" x 12"	SOUTH		
P-7		G28-2(65)(CA)	30" x 25"	ROUTE SHIELD (65)	1 - 4" x 6"	1
	M6-1(L+)		21" x 15"	LEFT ARROW		
	M4-8a		30" x 15"	END DETOUR		
P-8	M3-3		24" x 12"	SOUTH	1 - 4" x 6"	1
		G28-2(65)(CA)	30" x 25"	ROUTE SHIELD (65)		
	M6-1(R+)		21" x 15"	RIGHT ARROW		
P-8		SC9(CA)	36" x 36"	DETOUR WITH ARROW	1 - 4" x 6"	5
	M4-8		30" x 15"	DETOUR		
					TOTAL SIGNS	12

**STAGE 3 DETOUR (GALLERIA BLVD "G1" SLIP OFF-RAMP CLOSURE)  
STATIONARY MOUNTED MOTORIST INFORMATION SIGNS**

DETOUR NO. SIGN NO. D#-S#	SIGN DESIGNATION		PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
	FEDERAL	CALIFORNIA				
G-1	M4-8		30" x 15"	DETOUR	1 - 4" x 6"	1
	M6-3(R+)		21" x 15"	RIGHT ARROW		
G-2	M4-8		30" x 15"	DETOUR	1 - 4" x 6"	1
	M6-3(UP)		21" x 15"	UP ARROW		
G-3	M4-8		30" x 15"	DETOUR	1 - 4" x 6"	1
	M6-1(L+)		21" x 15"	LEFT ARROW		
G-4		SC9(CA)	36" x 36"	DETOUR WITH ARROW	1 - 4" x 6"	3
G-5	M4-8a		30" x 15"	END DETOUR	1 - 4" x 6"	1
					TOTAL SIGNS	7

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	111	230
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
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**MOTORIST INFORMATION PLAN**  
NO SCALE  
**MI-1**

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 CALCULATED/DESIGNED BY: G. MANOREK  
 REVISOR: L. REINKING  
 DATE: 7/2/2010

- LEGEND:**
- ◆ STATIONARY SIGN (1 POST)
  - Ⓐ STATIONARY SIGN NO.
  - P-1 STAGE 3 DETOUR NO. - STATIONARY SIGN NO.
  - ▮ PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

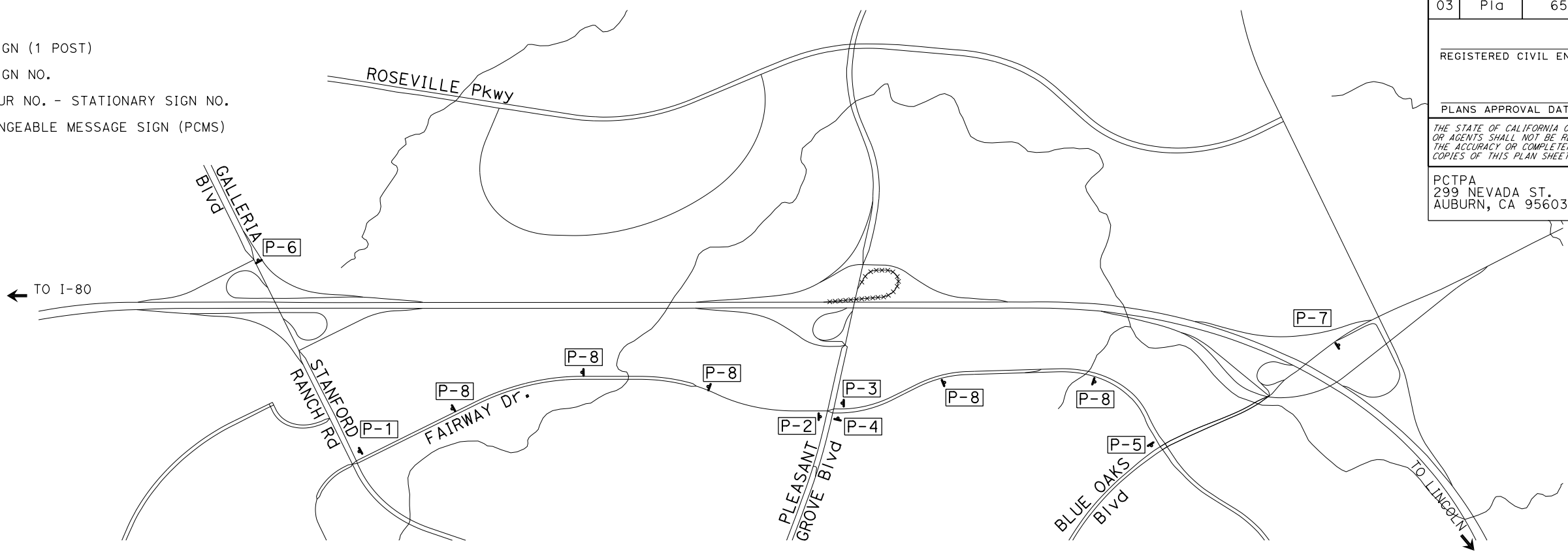
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	112	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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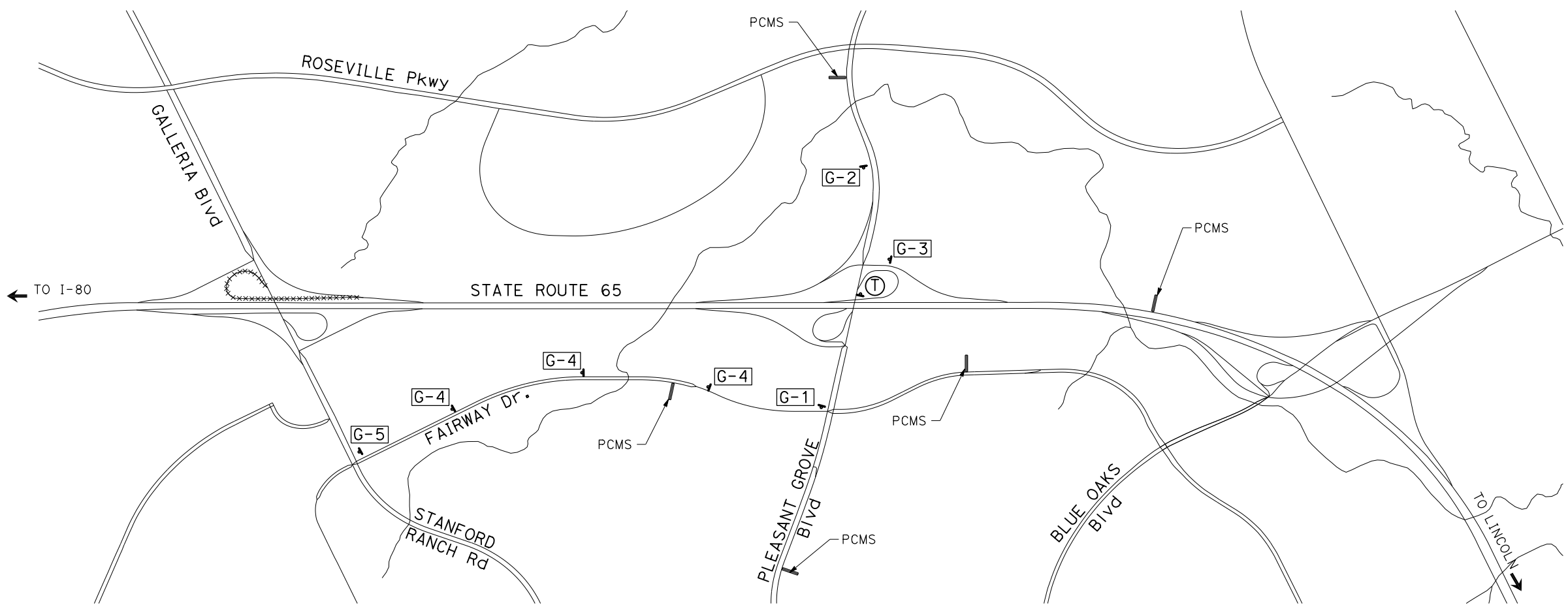
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PLEASANT GROVE BLVD LOOP ON-RAMP - DETOUR PLAN



GALLERIA BLVD SLIP OFF-RAMP - DETOUR PLAN

**MOTORIST INFORMATION PLAN**  
 NO SCALE  
**MI-2**

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













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 CHECKED BY  
 G. MANOREK  
 P. DONOVAN  
 REVISED BY  
 DATE REVISED

**NOTE:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- FOR DEMOLITIONS IN THIS AREA SEE SHEETS L-12 TO L-22.
- FOR TEMPORARY RAILING (TYPE K) DETAILS, SEE STANDARD PLANS T3A AND T3B.
- TEMPORARY TRAFFIC STRIPE TO BE PAINT, SEE STANDARD SPECIFICATIONS.
- CONTRACTOR TO REMOVE EXISTING CONFLICTING TRAFFIC STRIPE.
- PLACE CONSTRUCTION AREA SIGNS AS SHOWN OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR TO MAINTAIN 2' MINIMUM CLEARANCE BEHIND UNPINNED TEMPORARY RAILING (TYPE K) AND 3" MINIMUM CLEARANCE BEHIND PINNED TEMPORARY RAILING (TYPE K).
- SEE SHEETS X-X FOR TEMPORARY LIGHTING PLANS.

**LEGEND**

-  CONSTRUCTION THIS STAGE
-  TEMPORARY RAILING (TYPE K)
-  CONSTRUCTION PREVIOUS STAGE
-  PREVIOUSLY INSTALLED TEMPORARY RAILING (TYPE K)
-  DIRECTION OF TRAVEL
-  CHANNELIZERS
-  CONSTRUCTION AREA SIGN, ONE POST
-  CHANGE OF PAVEMENT DELINEATION DETAIL
-  BEGIN/END OF PAVEMENT DELINEATION DETAIL
-  ALTERNATIVE TEMPORARY CRASH CUSHION ARRAY
-  FLASHING ARROW SIGN SUPPORT OR TRAILER
-  TYPE III BARRICADE
-  PORTABLE FLASHING BEACON
-  TEMPORARY CRASH CUSHION ARRAY

**ABBREVIATIONS**

RHMA-O RUBBERIZED HOT MIX ASPHALT-OPEN GRADED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	113	230

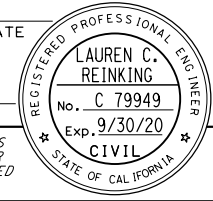
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**STAGE 1 CONSTRUCTION (WORK TO BE PERFORMED)**

- PLACE CONSTRUCTION AREA SIGNS AND STAGE 1 MOTORIST INFORMATION SIGNS.
- ESTABLISH LANE CLOSURE ON BLUE OAKS Blvd.
- ON BLUE OAKS Blvd SLIP ON-RAMP, REMOVE EXISTING TRAFFIC STRIPE, PLACE TEMPORARY DELINEATION AND CHANNELIZERS, PLACE TEMPORARY RAILING (TYPE K), PLACE TYPE III BARRICADES, AND PLACE ALTERNATIVE TEMPORARY CRASH CUSHIONS.
- CONSTRUCT BLUE OAKS Blvd SLIP ON-RAMP PAVEMENT WIDENING FROM "B4" 262+22 TO "B4" 273+83.
- CONSTRUCT DRAINAGE SYSTEM 17.
- PLACE EROSION CONTROL FROM "B4" 262+22 TO "B4" 274+00.

**STAGE 2 CONSTRUCTION (WORK TO BE PERFORMED)**

- PLACE STAGE 2 MOTORIST INFORMATION SIGNS.
- ESTABLISH LANE CLOSURE ON PLEASANT GROVE Blvd SLIP ON-RAMP. ESTABLISH SHOULDER CLOSURES ALONG SR 65, ON PLEASANT GROVE Blvd SLIP OFF-RAMP AND LOOP ON-RAMP, AND ON GALLERIA Blvd LOOP OFF-RAMP AND SLIP OFF-RAMP.
- REMOVE EXISTING TRAFFIC STRIPE, PLACE TEMPORARY DELINEATION AND CHANNELIZERS, PLACE TEMPORARY RAILING (TYPE K), PLACE TYPE III BARRIERS, AND PLACE ALTERNATIVE TEMPORARY CRASH CUSHIONS.
- CONSTRUCT OUTSIDE PAVEMENT WIDENING ON SR 65, GALLERIA Blvd SLIP OFF-RAMP, AND PLEASANT GROVE Blvd SLIP ON-RAMP, LOOP ON-RAMP, AND SLIP OFF-RAMP.
- CONSTRUCT CONCRETE CULVERT EXTENSION AND RECONSTRUCT HEADWALL.
- CONSTRUCT DRAINAGE SYSTEMS 1-16.
- CONSTRUCT RETAINING WALL NO. 218. FOR MORE INFORMATION SEE STRUCTURAL SHEETS.

**STAGE 3 CONSTRUCTION (WORK TO BE PERFORMED)**

- PLACE STAGE 3 MOTORIST INFORMATION SIGNS.
- ESTABLISH RAMP CLOSURES ON PLEASANT GROVE Blvd LOOP ON-RAMP AND GALLERIA Blvd LOOP OFF-RAMP. ESTABLISH SHOULDER CLOSURES ALONG SR 65, ON PLEASANT GROVE Blvd SLIP OFF-RAMP AND SLIP ON-RAMP, AND ON GALLERIA Blvd SLIP OFF-RAMP.
- REMOVE EXISTING CONFLICTING TRAFFIC STRIPE, PLACE TEMPORARY DELINEATION AND CHANNELIZERS, PLACE TEMPORARY RAILING (TYPE K), PLACE TYPE III BARRIERS, AND PLACE ALTERNATIVE TEMPORARY CRASH CUSHIONS.
- OPEN NEWLY CONSTRUCTED PLEASANT GROVE Blvd SLIP ON-RAMP. SHIFT TRAFFIC OFF PLEASANT GROVE Blvd SLIP ON-RAMP SPUR.
- ELIMINATE PLEASANT GROVE Blvd SLIP ON-RAMP SPUR.
- CONSTRUCT PLEASANT GROVE SLIP ON-RAMP AND LOOP ON-RAMP GORE AND TAPER AREAS FROM "A5" 196+90 TO "A5" 220+00.
- CONSTRUCT GALLERIA Blvd OFF-RAMP GORE AREAS FROM "G1" 161+00 TO "A5" 173+77.
- CONSTRUCT PLEASANT GROVE Blvd SLIP OFF-RAMP GORE AND TAPER AREA FROM "P3" 230+40 TO "A5" 235+60.

**STAGE 4 CONSTRUCTION (WORK TO BE PERFORMED)**

- PLACE STAGE 4 MOTORIST INFORMATION SIGNS.
- ESTABLISH SHOULDER CLOSURE ON PLEASANT GROVE Blvd LOOP ON-RAMP. MAINTAIN SHOULDER CLOSURES ON GALLERIA Blvd SLIP OFF-RAMP, PLEASANT GROVE Blvd SLIP OFF-RAMP, AND PLEASANT GROVE Blvd SLIP ON-RAMP.
- REMOVE EXISTING CONFLICTING TRAFFIC STRIPE, PLACE TEMPORARY DELINEATION AND CHANNELIZERS, PLACE TEMPORARY RAILING (TYPE K), PLACE TYPE III BARRIERS, AND PLACE ALTERNATIVE TEMPORARY CRASH CUSHIONS.
- CONSTRUCT INSIDE PAVEMENT WIDENING OF GALLERIA Blvd SLIP OFF-RAMP AND PLEASANT GROVE Blvd SLIP ON-RAMP, LOOP ON-RAMP, AND SLIP OFF-RAMP.
- PLACE EROSION CONTROL ALONG SR 65, GALLERIA Blvd LOOP OFF-RAMP AND SLIP OFF-RAMP, AND PLEASANT GROVE Blvd SLIP ON-RAMP, LOOP ON-RAMP, AND SLIP OFF-RAMP.
- CONSTRUCT FINAL LIFT OF RHMA-O ALONG SR 65 AND RAMPS.
- PLACE FINAL PAVEMENT DELINEATION AND ROADSIDE SIGNS ALONG SR 65 AND RAMPS.

**STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN INDEX SHEET**

NO SCALE

**SC-1**

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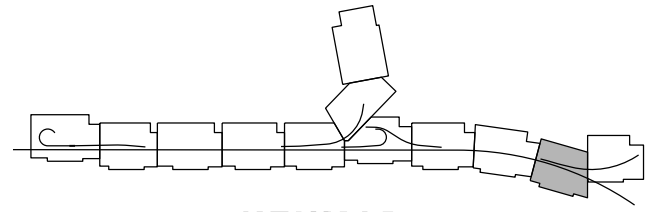
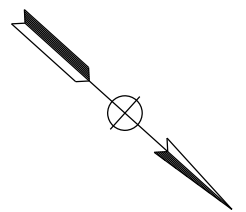
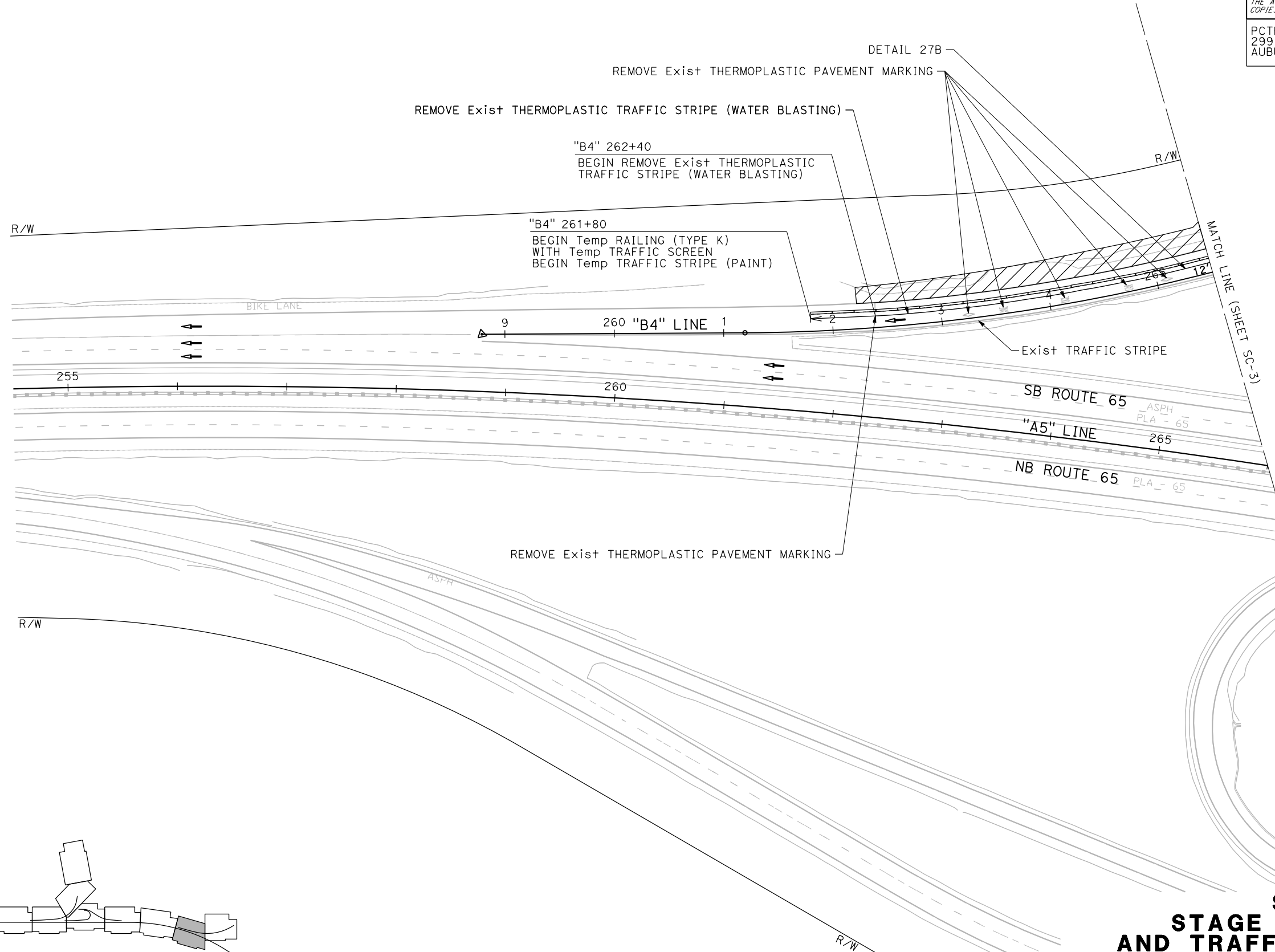
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	114	230

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**STAGE 1  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-2**

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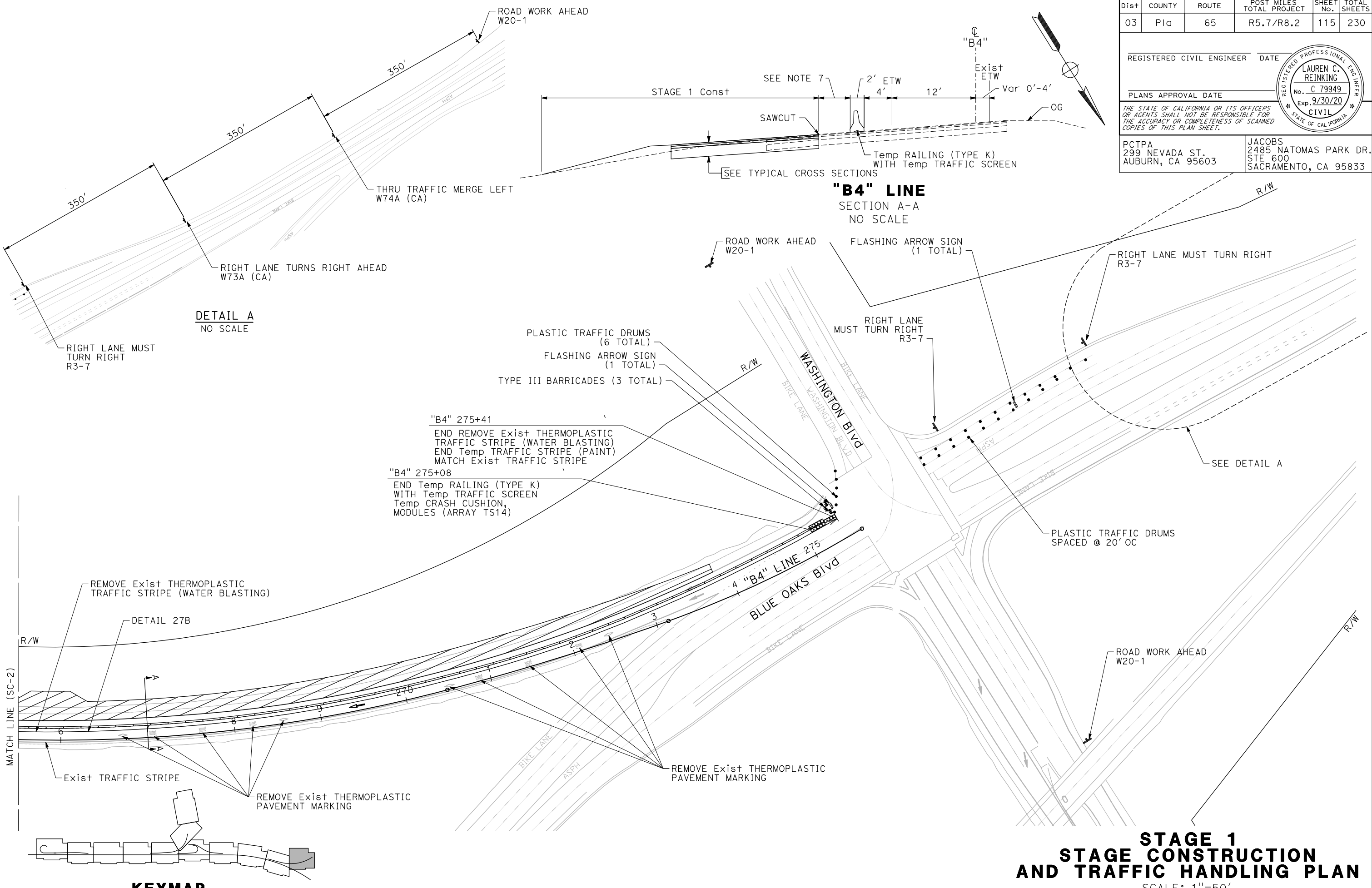
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
<b>Caltrans</b>		
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	
C. BENSON	G. MANOREK	
CALCULATED-DESIGNED BY	REVISOR	DATE
	P. DONOVAN	

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 CHECKED BY: P. DONOVAN  
 REVISED BY: G. MANOREK  
 DATE REVISED: [blank]

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	115	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833  
**REGISTERED PROFESSIONAL ENGINEER**  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA



APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

**STAGE 1  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-3**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: P. DONOVAN  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE  
 DESIGNED BY: DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.7/R8.2	116	230

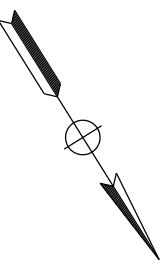
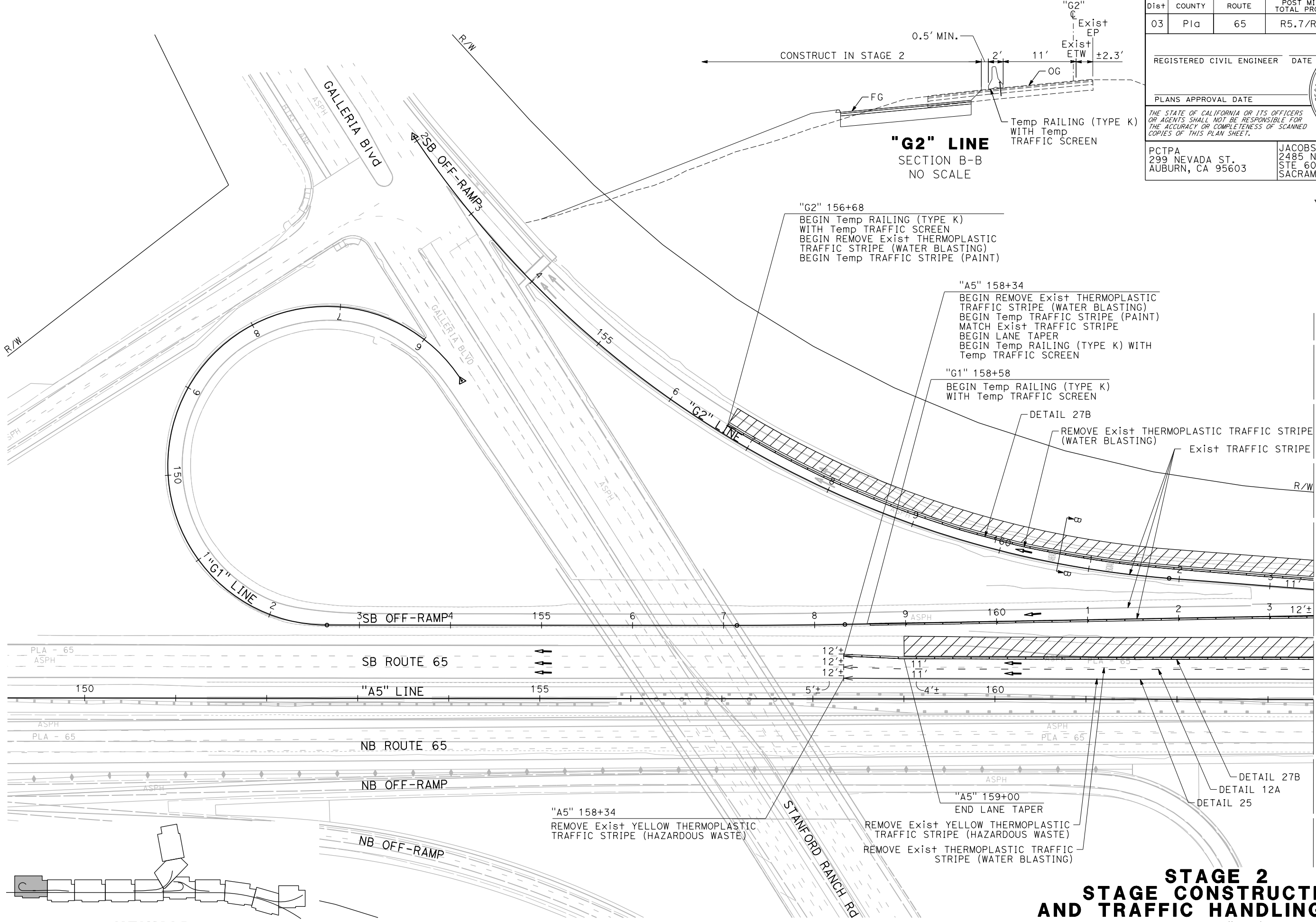
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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 SACRAMENTO, CA 95833

REGISTERED PROFESSIONAL ENGINEER  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA



LAST REVISION DATE PLOTTED => 23-JUL-2020  
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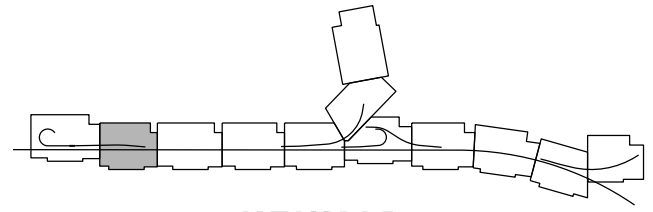
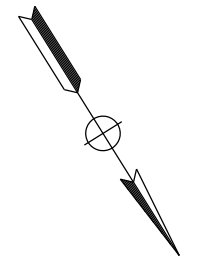
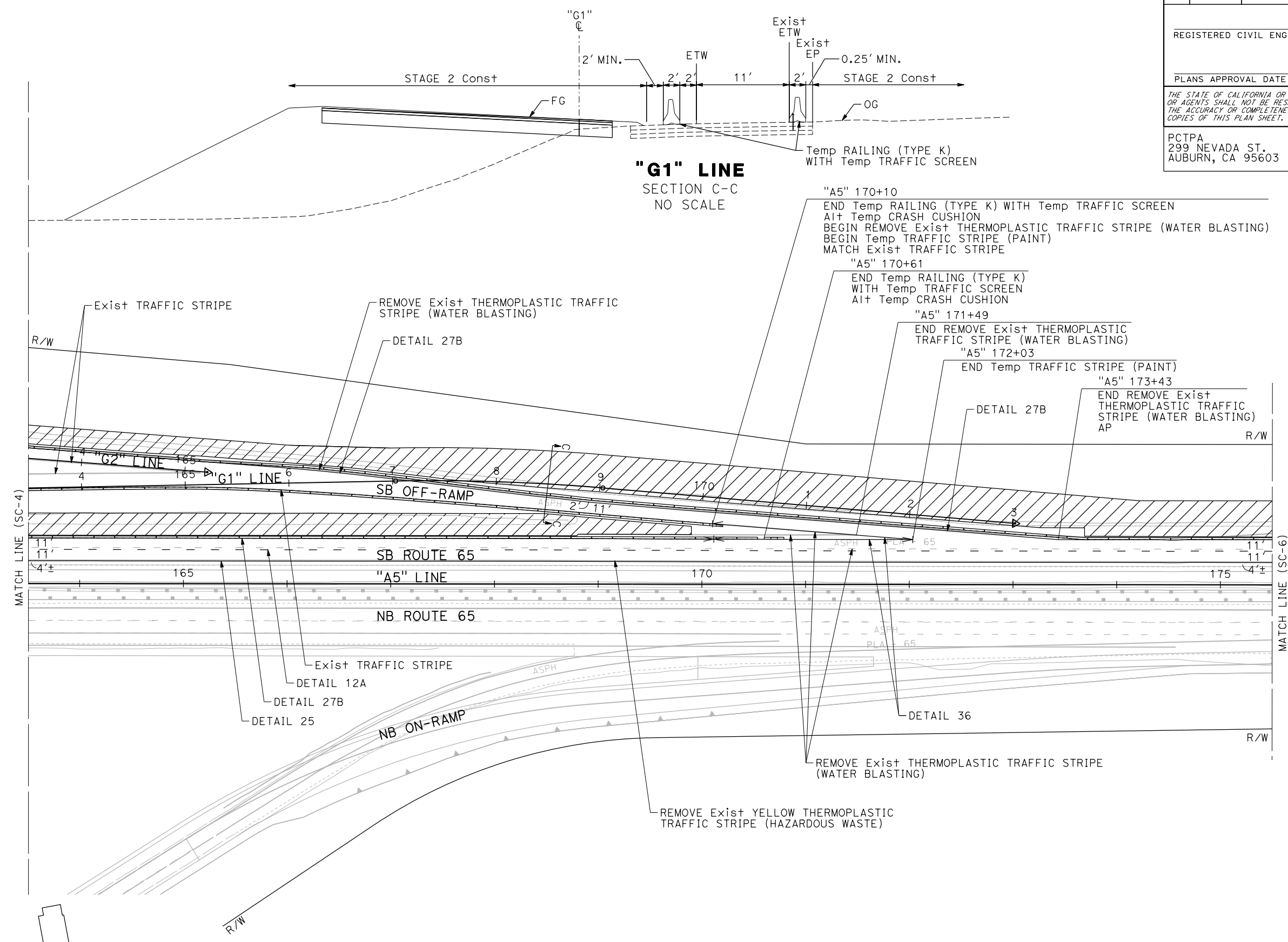
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	117	230

REGISTERED CIVIL ENGINEER DATE  
 PLANS APPROVAL DATE  
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 SACRAMENTO, CA 95833



KEYMAP

**STAGE 2  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-5**

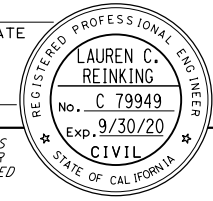
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

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Caltrans	C. BENSON	G. MANOREK	P. DONOVAN
		CHECKED BY	DATE REVISOR

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:56

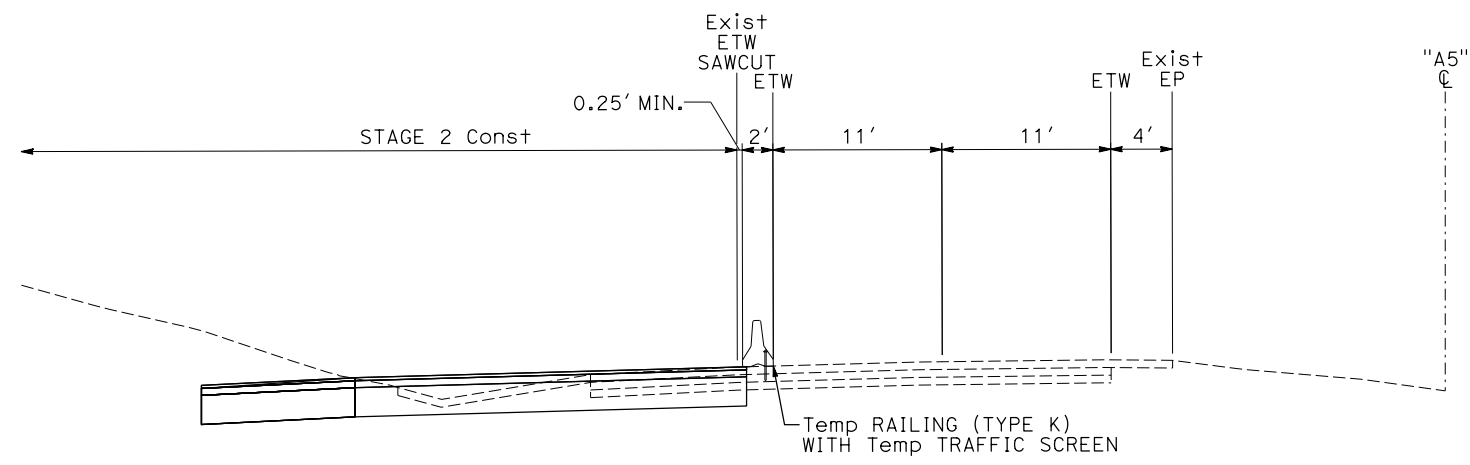
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	118	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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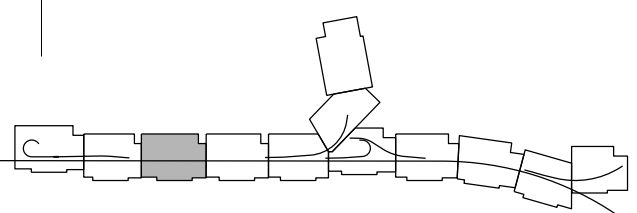
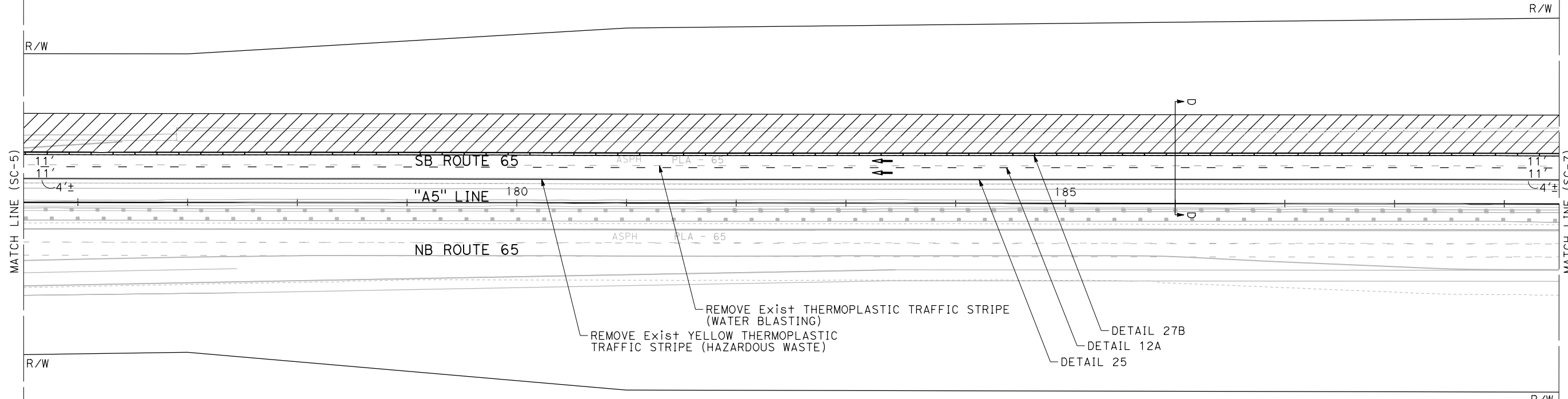
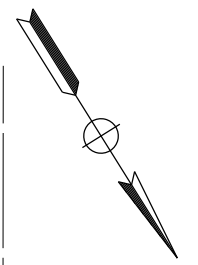


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JACOBS  
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 STE 600  
 SACRAMENTO, CA 95833



**"A5" LINE**  
 SECTION D-D  
 NO SCALE



**KEYMAP**

**STAGE 2  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-6**

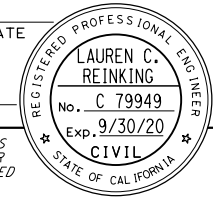
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Et- <b>Caltrans</b>	REVISOR	DATE
	REVISOR	DATE
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DATE
C. BENSON	G. MANOREK	
CALCULATED-DESIGNED BY	REVISOR	DATE
	P. DONOVAN	

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:58

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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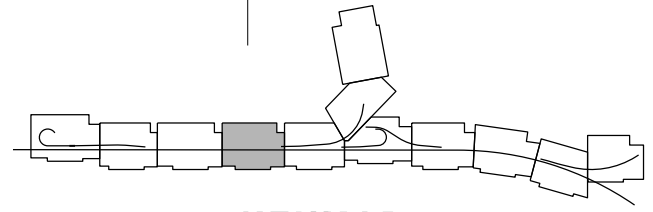
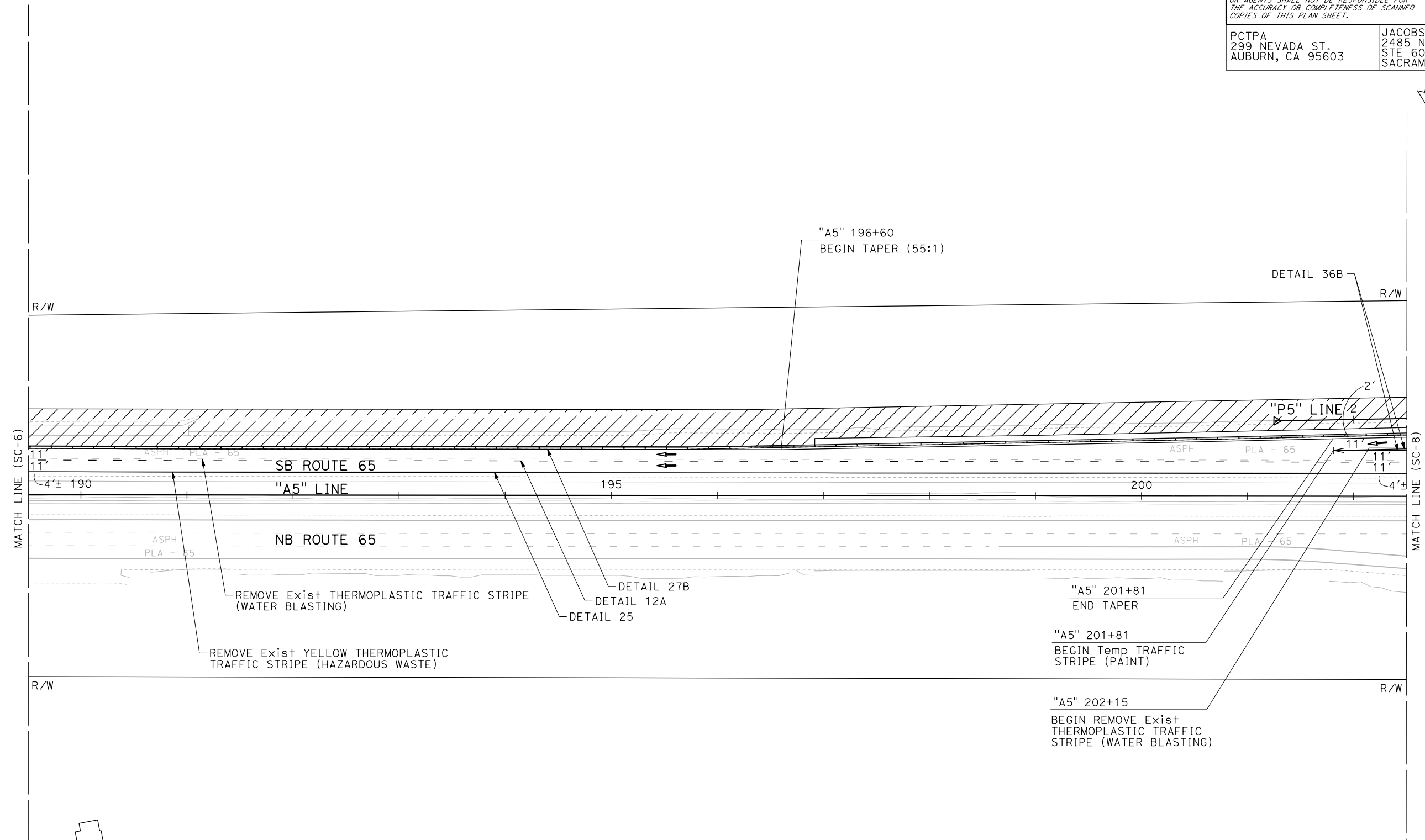
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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Caltrans	C. BENSON	G. MANOREK	P. DONOVAN	



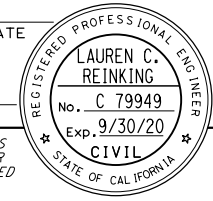
**STAGE 2  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-7**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

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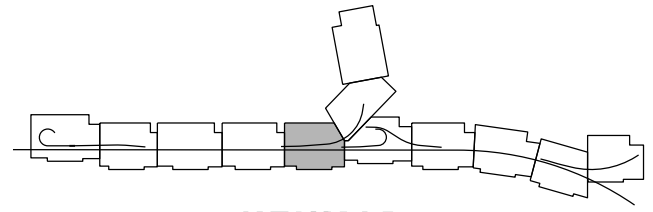
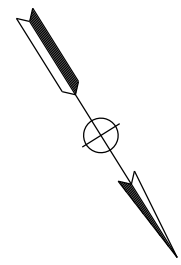
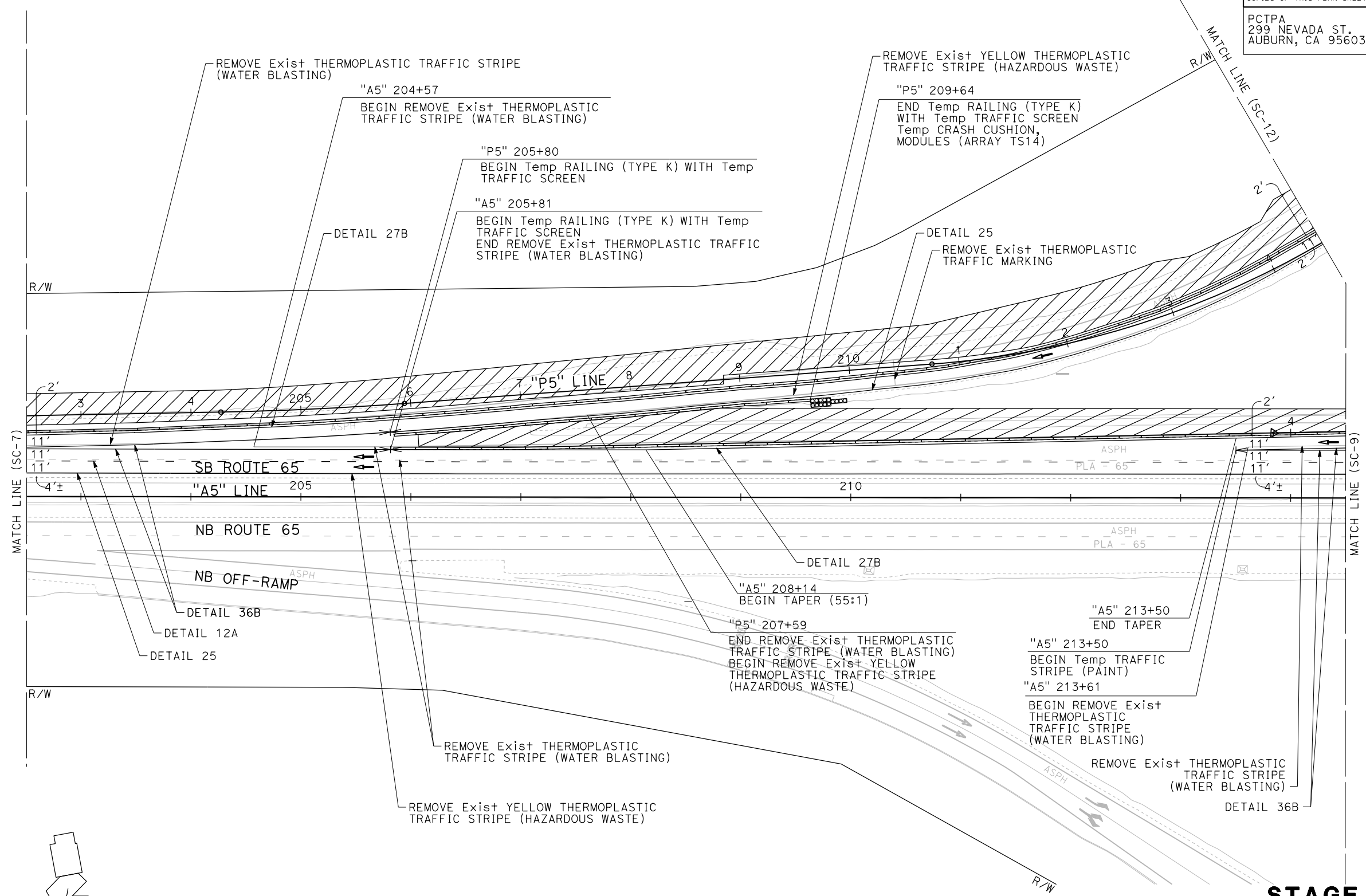
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	120	230

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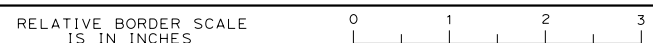


**STAGE 2  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-8**

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<b>Caltrans</b>	C. BENSON	CHECKED BY	P. DONOVAN
			G. MANOREK
			DATE REVISOR

USERNAME => pwsvc  
 DGN FILE => 031F1701ma008.dgn



UNIT 0303 PROJECT NUMBER & PHASE 0320000055 03-1F1714

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LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R5.7/R8.2	121	230

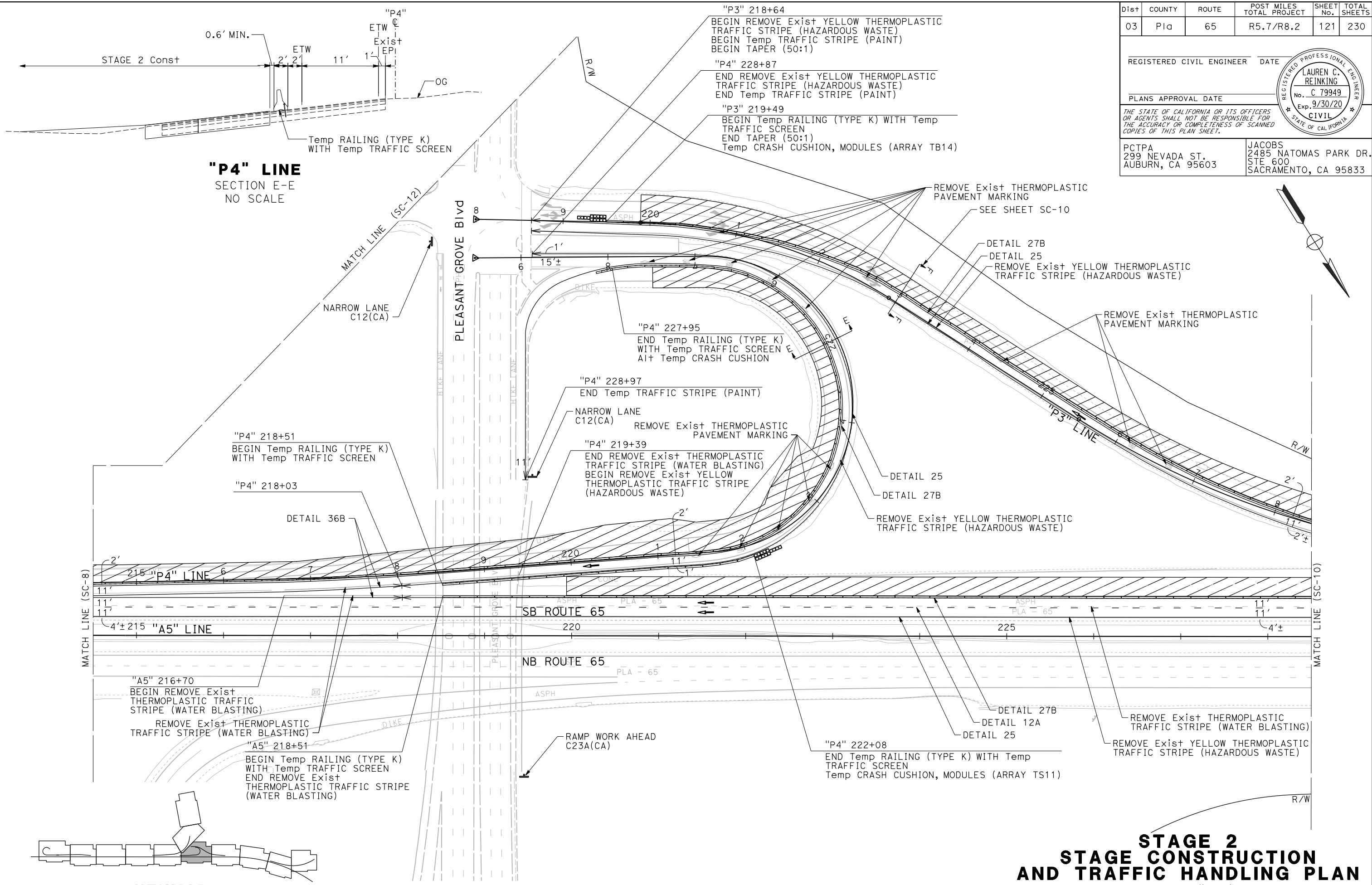
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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		CHECKED BY	G. MANOREK

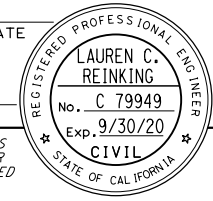


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LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:59

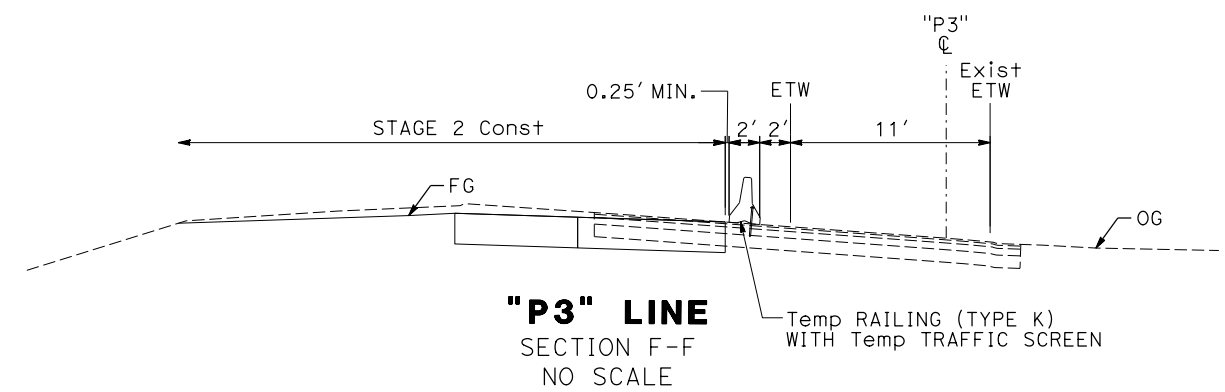
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	122	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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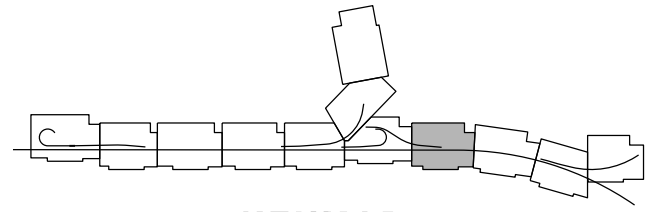
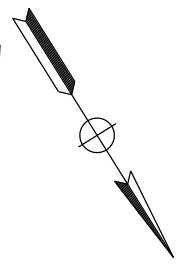
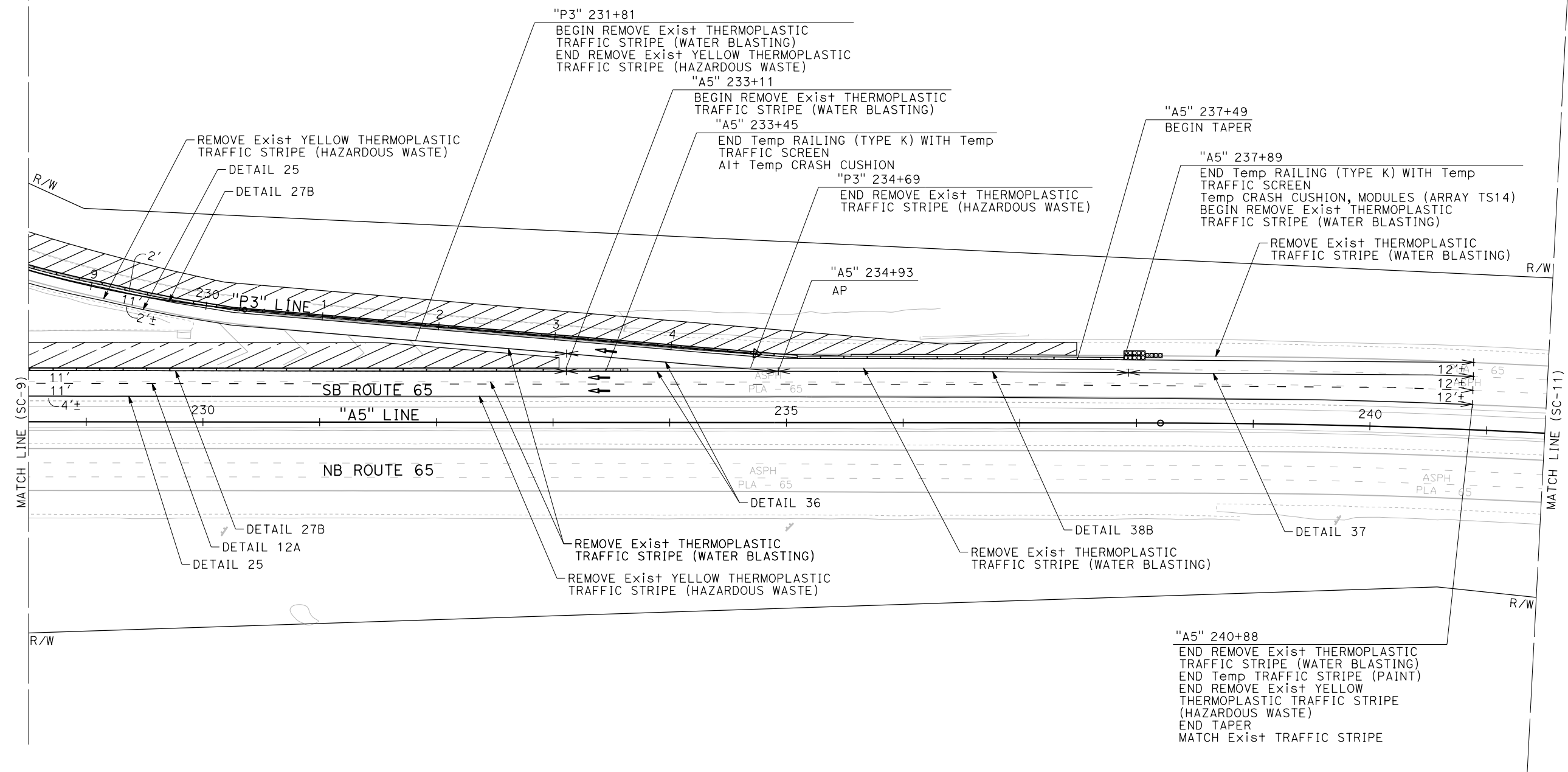


PCTPA  
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 AUBURN, CA 95603

JACOBS  
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 STE 600  
 SACRAMENTO, CA 95833



**"P3" LINE**  
 SECTION F-F  
 NO SCALE



**KEYMAP**

**STAGE 2  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-10**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

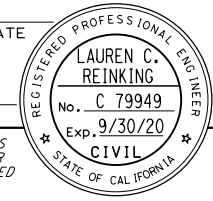
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Et Caltrans	P. DONOVAN	
	G. MANOREK	
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	
C. BENSON		
CALCULATED-DESIGNED BY	REVISOR	DATE

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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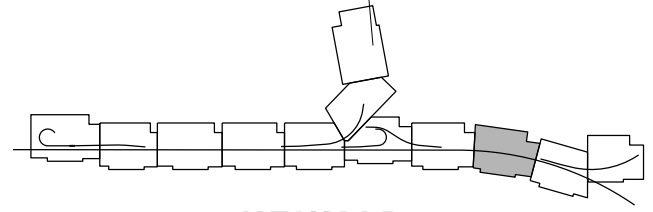
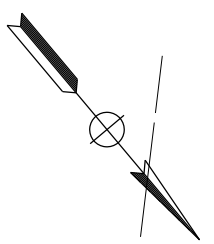
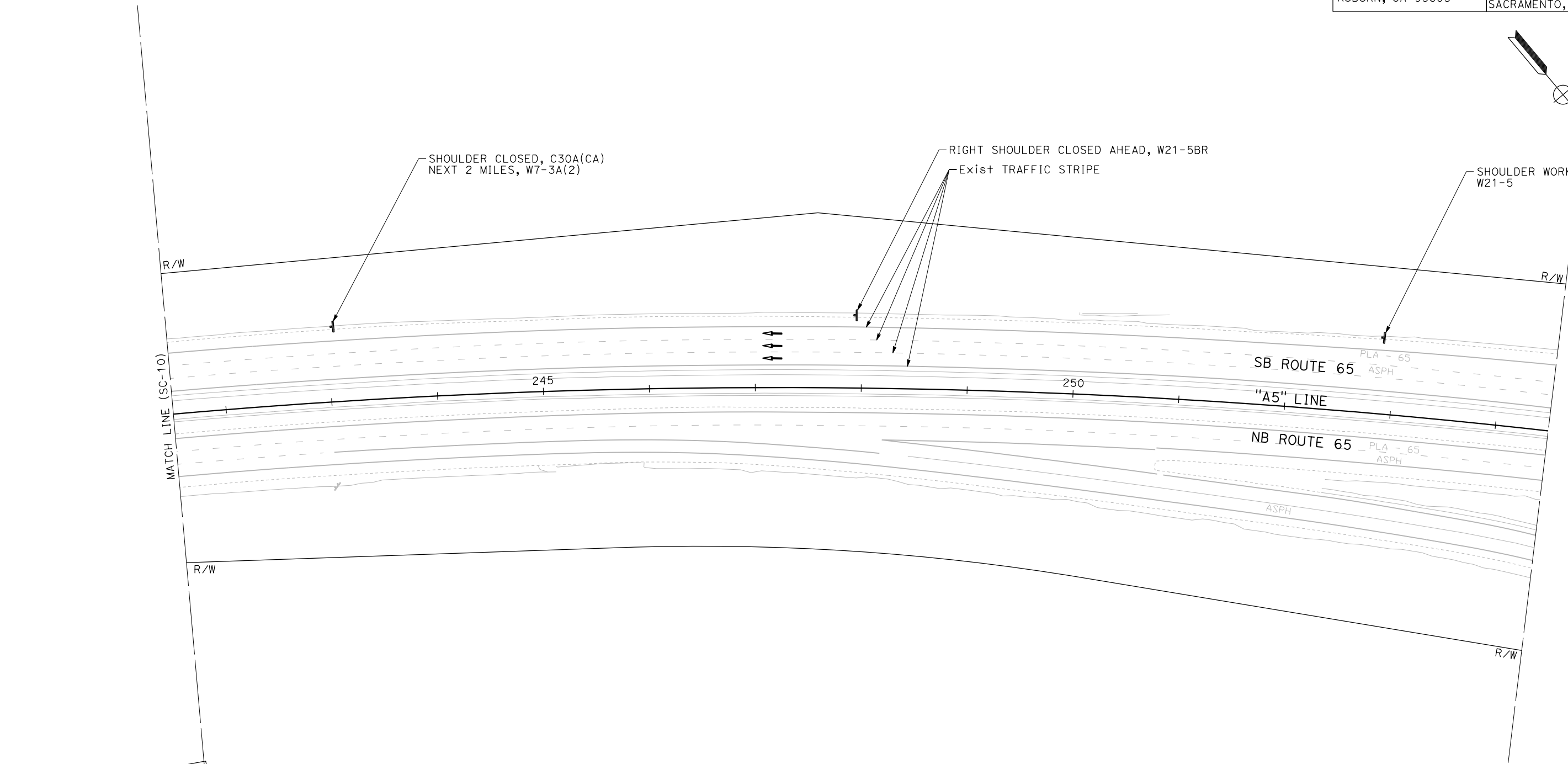
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE REVISED
		P. DONOVAN	
		G. MANOREK	



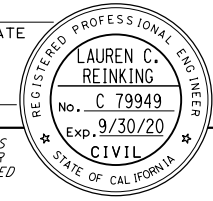
**STAGE 2  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-11**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:57

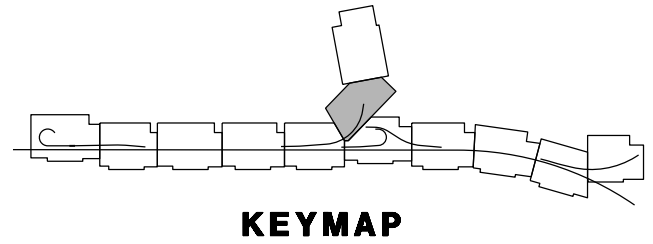
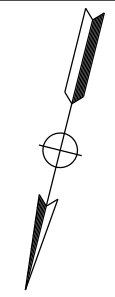
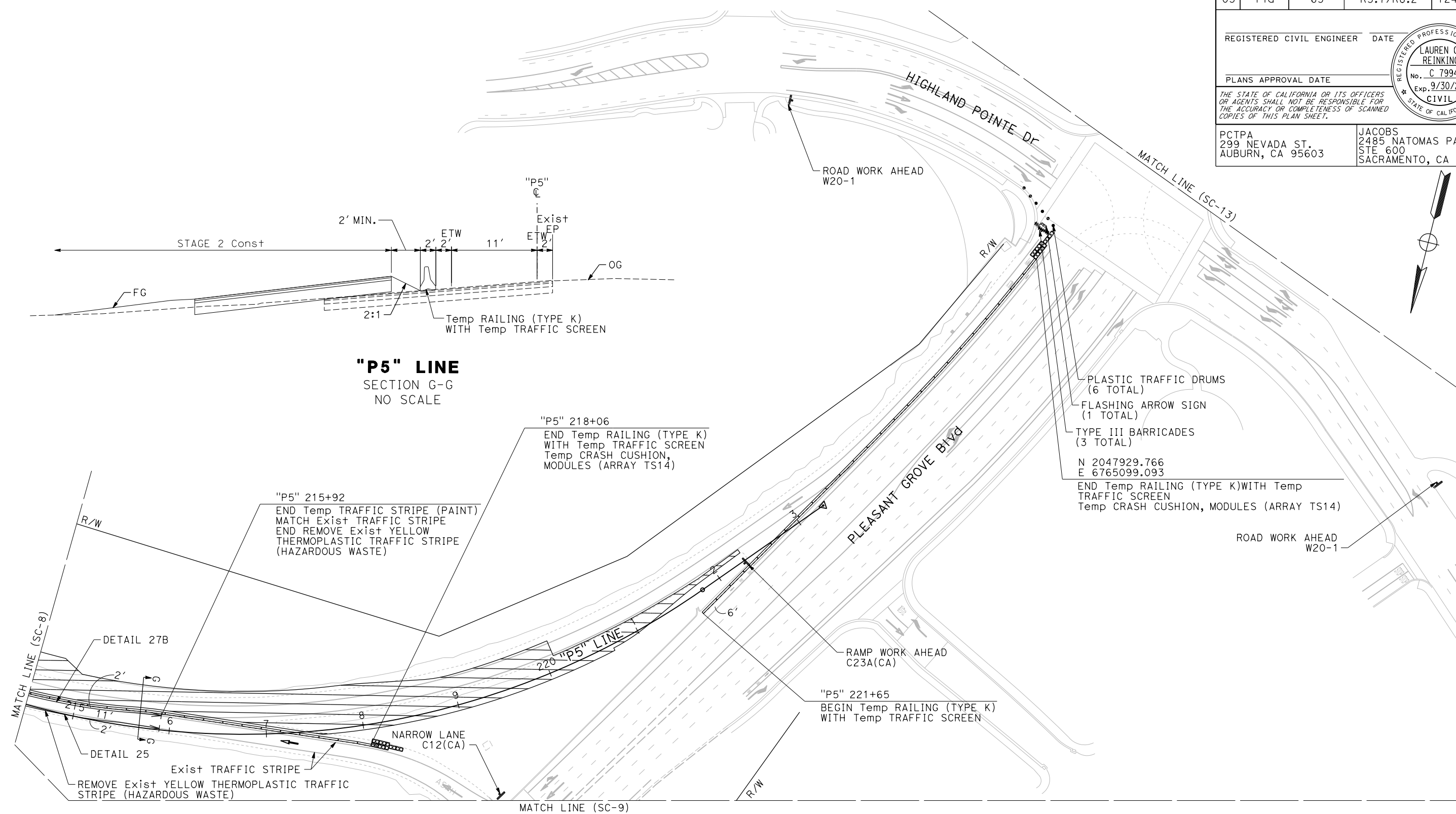
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	124	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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 SACRAMENTO, CA 95833



**STAGE 2  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-12**

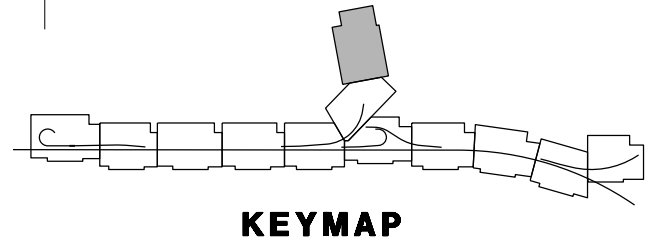
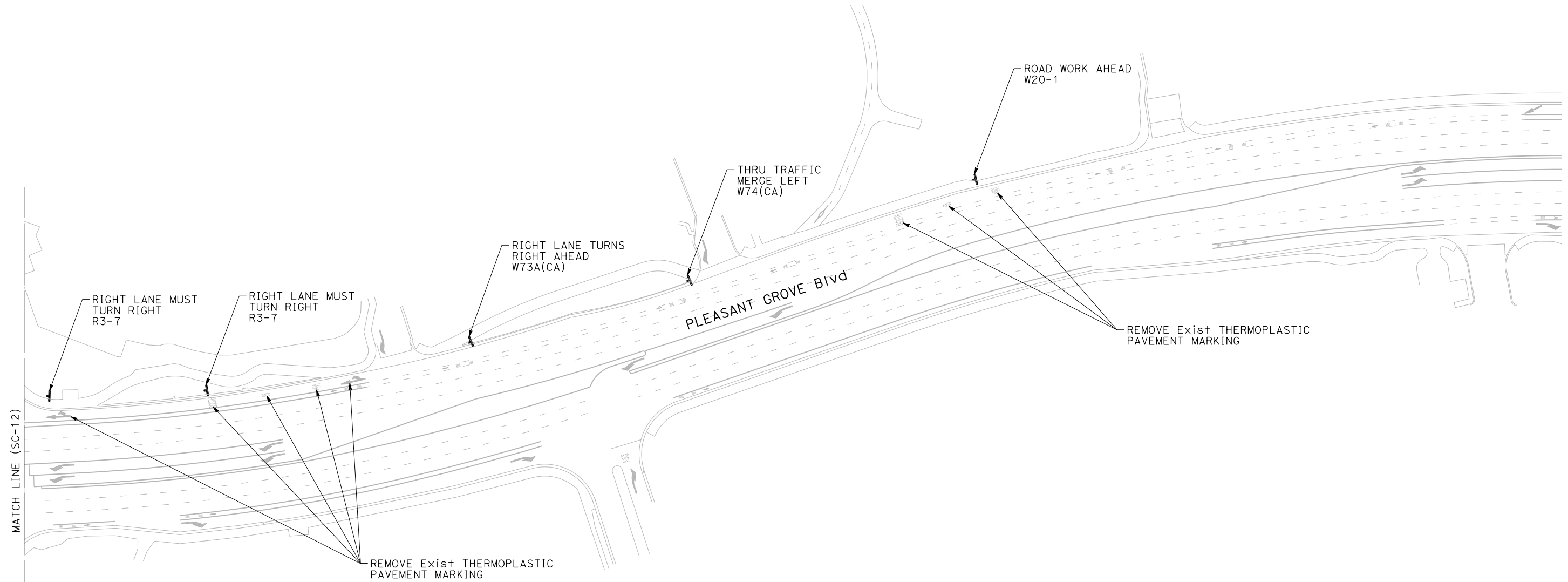
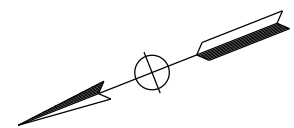
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Et- <b>Caltrans</b>	C. BENSON	G. MANOREK	P. DONOVAN
		CHECKED BY	DATE REVISOR

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:56

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
<b>Caltrans</b>	C. BENSON	CHECKED BY	P. DONOVAN	
			G. MANOREK	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	125	230
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
<small>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.</small>					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833		



**STAGE 2**  
**STAGE CONSTRUCTION**  
**AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-13**

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LAST REVISION | DATE PLOTTED => 23-JUL-2020  
 00-00-00 | TIME PLOTTED => 13:56

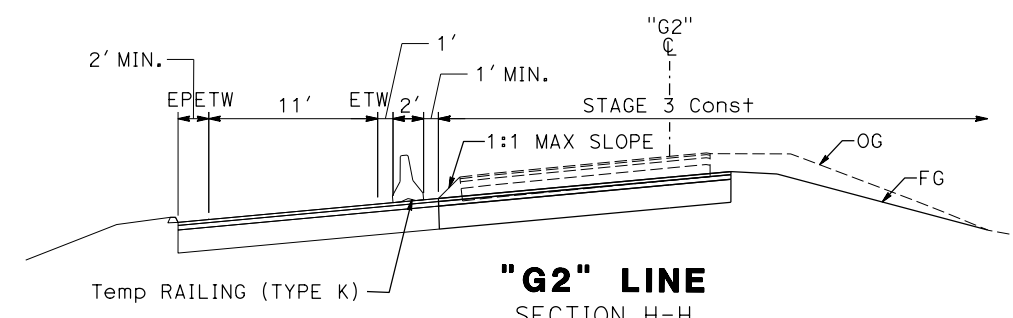
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R5.7/R8.2	126	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.

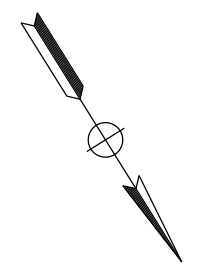
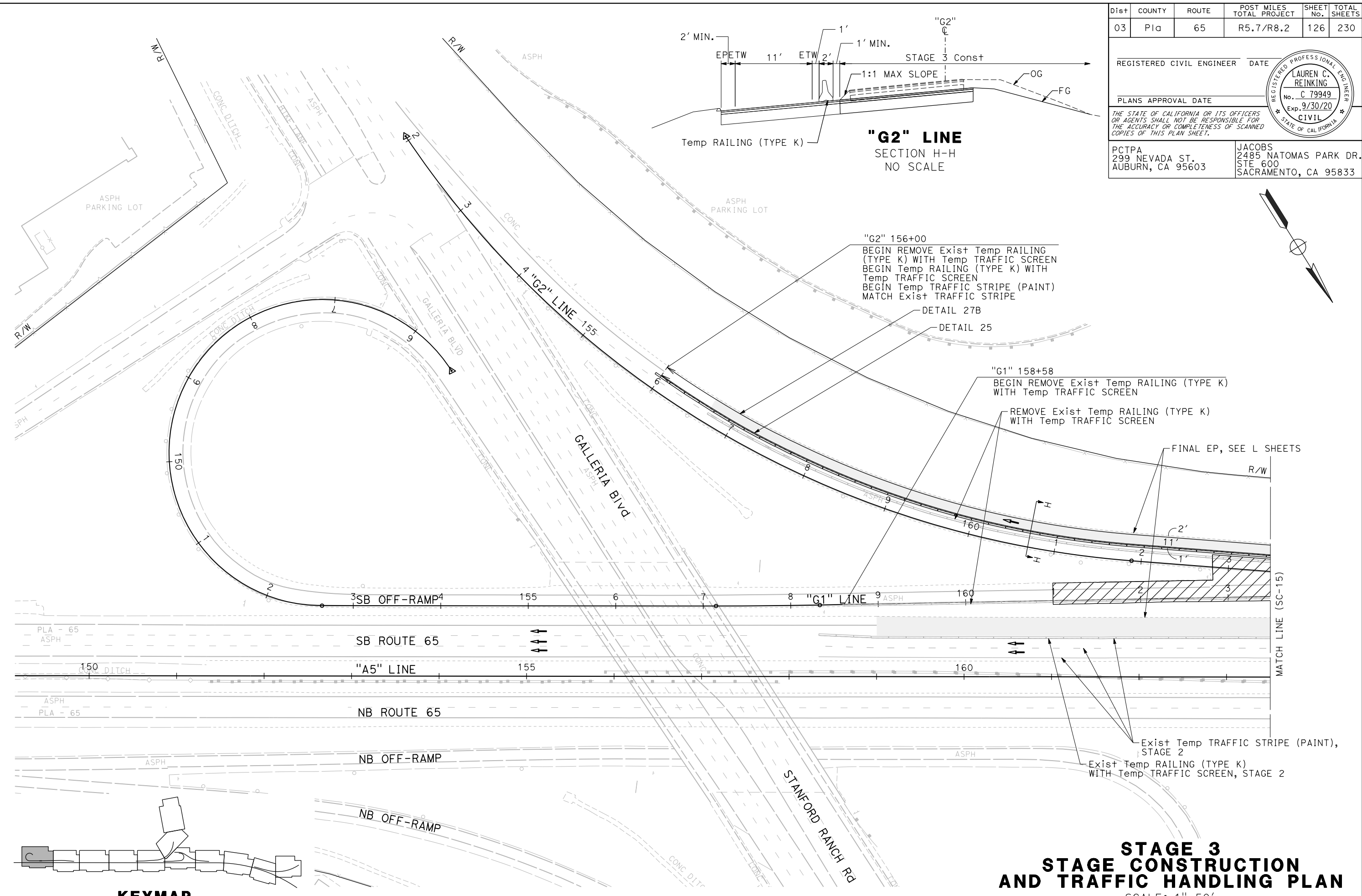


PCTPA  
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 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**"G2" LINE**  
 SECTION H-H  
 NO SCALE



"G2" 156+00  
 BEGIN REMOVE Exist Temp RAILING (TYPE K) WITH Temp TRAFFIC SCREEN  
 BEGIN Temp RAILING (TYPE K) WITH Temp TRAFFIC SCREEN  
 BEGIN Temp TRAFFIC STRIPE (PAINT)  
 MATCH Exist TRAFFIC STRIPE

DETAIL 27B  
 DETAIL 25

"G1" 158+58  
 BEGIN REMOVE Exist Temp RAILING (TYPE K) WITH Temp TRAFFIC SCREEN  
 REMOVE Exist Temp RAILING (TYPE K) WITH Temp TRAFFIC SCREEN

FINAL EP, SEE L SHEETS

Exist Temp TRAFFIC STRIPE (PAINT), STAGE 2  
 Exist Temp RAILING (TYPE K) WITH Temp TRAFFIC SCREEN, STAGE 2

**STAGE 3**  
**STAGE CONSTRUCTION**  
**AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'

**SC-14**

**KEYMAP**

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE
		P. DONOVAN	REVISOR
		G. MANOREK	DATE

USERNAME => pwsvc  
 DGN FILE => 031F1701ma014.dgn



UNIT 0303

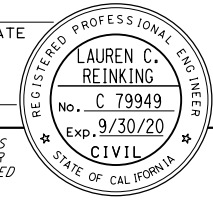
PROJECT NUMBER & PHASE 0320000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:58

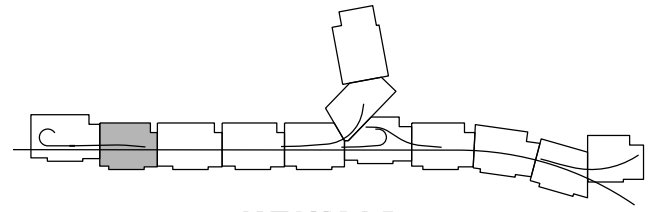
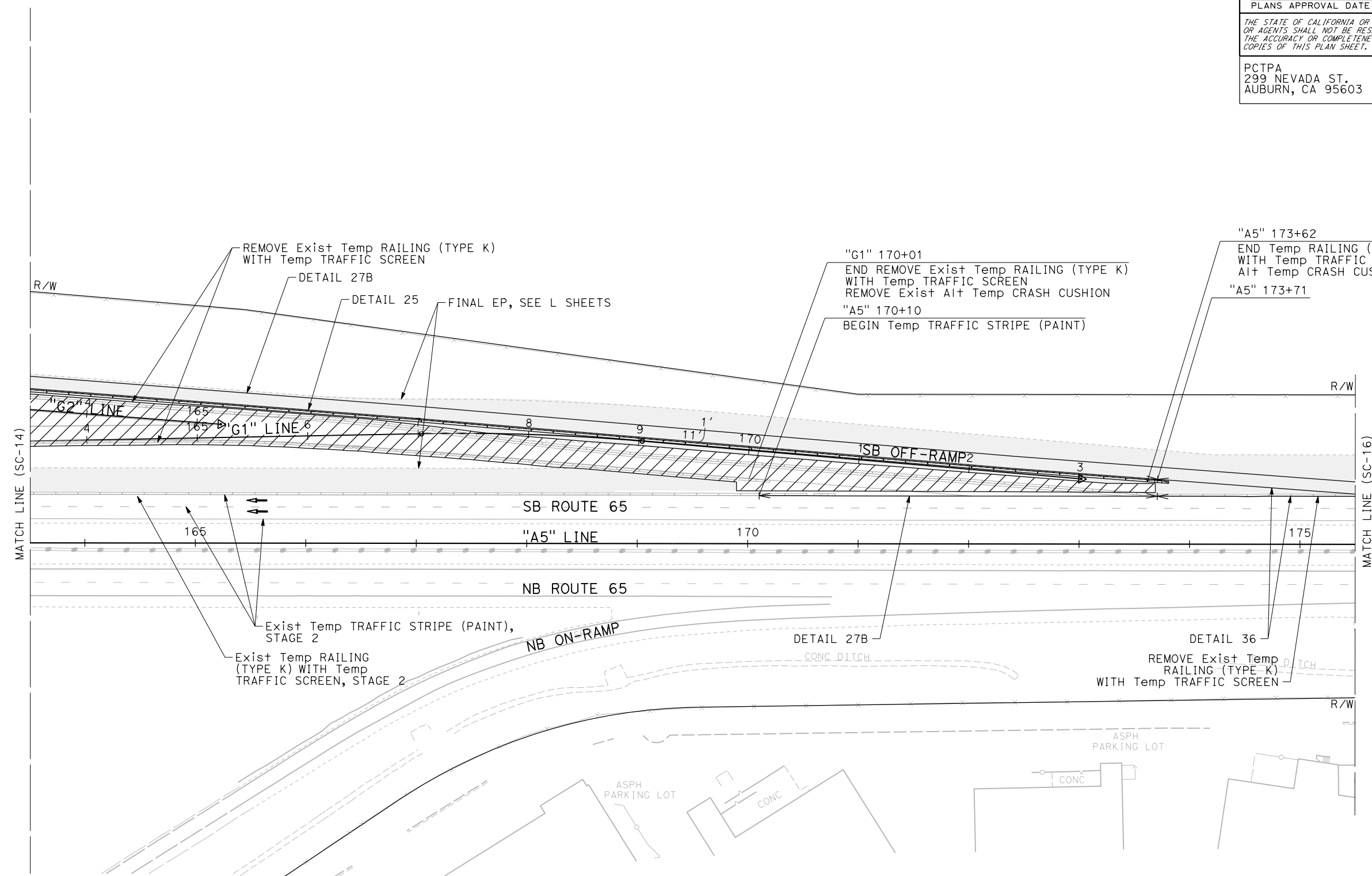
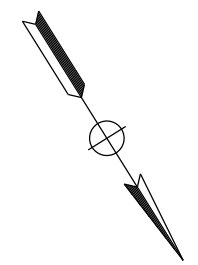
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	127	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



**STAGE 3  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-15**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

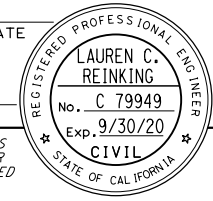
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	P. DONOVAN	G. MANOREK
		CHECKED BY	DATE REVISED

x  
x  
x  
x  
x  
x  
x  
x

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:58

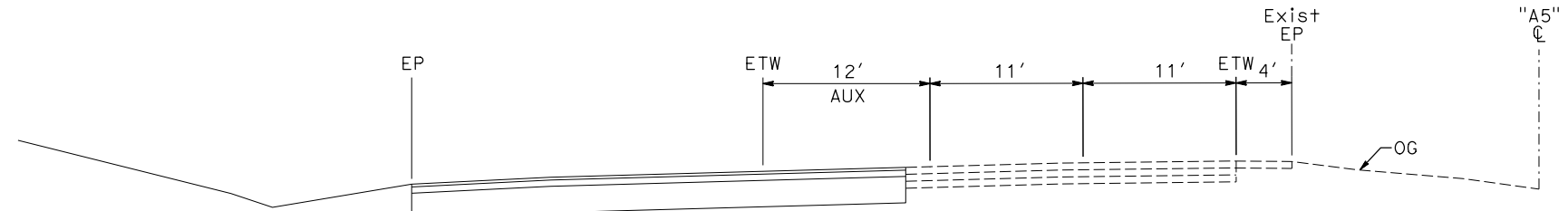
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	128	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.

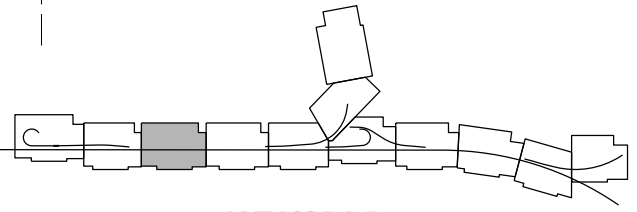
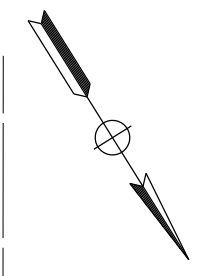
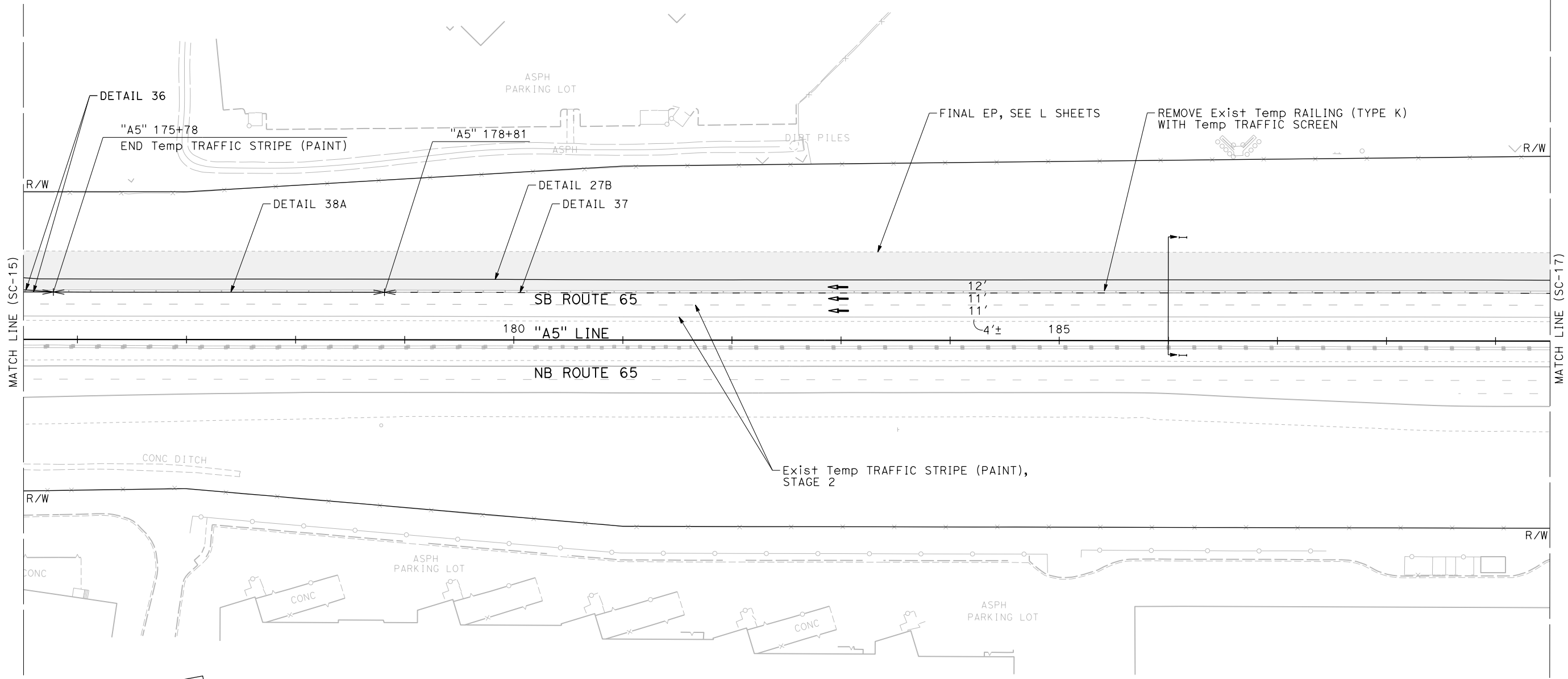


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**"A5" LINE**  
 SECTION I-I  
 NO SCALE



**KEYMAP**

**STAGE 3  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-16**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: P. DONOVAN  
 CHECKED BY: G. MANOREK  
 REVISED BY: \_\_\_\_\_ DATE REVISED: \_\_\_\_\_

USERNAME => pwsvc  
 DGN FILE => 031F1701ma016.dgn



UNIT 0303

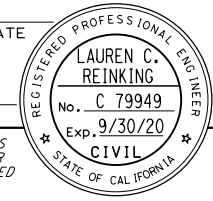
PROJECT NUMBER & PHASE 0320000055 03-1F1714

LAST REVISION | DATE PLOTTED => 23-JUL-2020  
 00-00-00 | TIME PLOTTED => 13:57



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	129	230

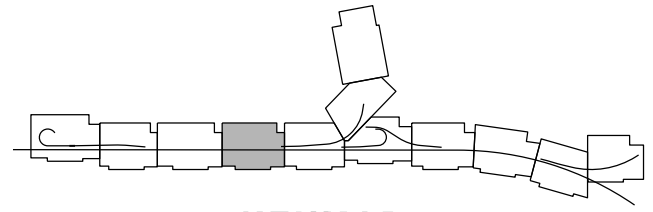
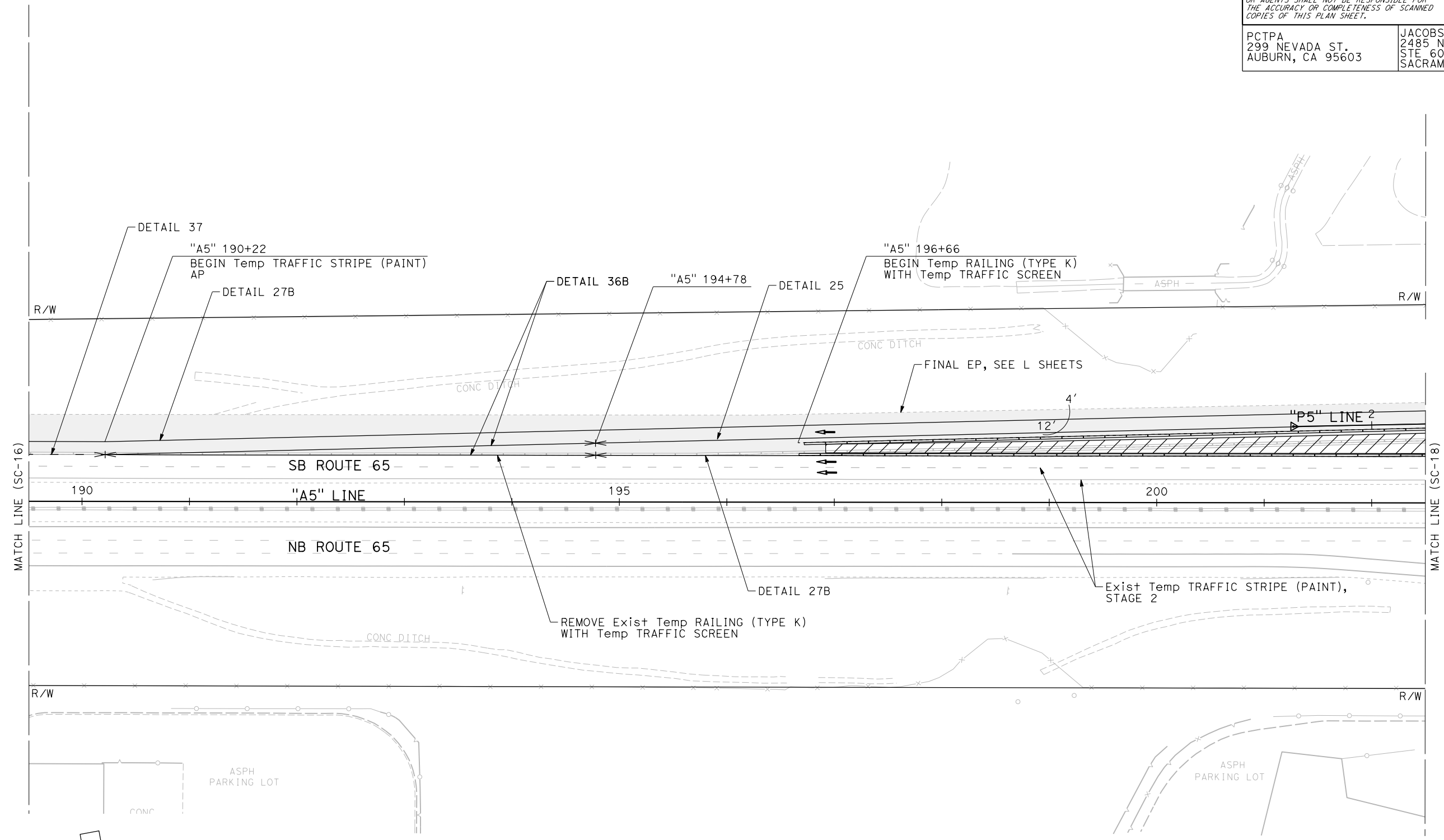
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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Caltrans	C. BENSON	P. DONOVAN	G. MANOREK
		CHECKED BY	DATE REVISOR



**STAGE 3  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-17**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

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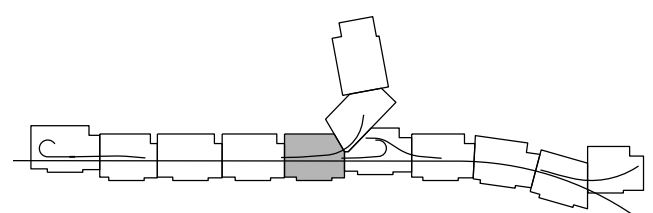
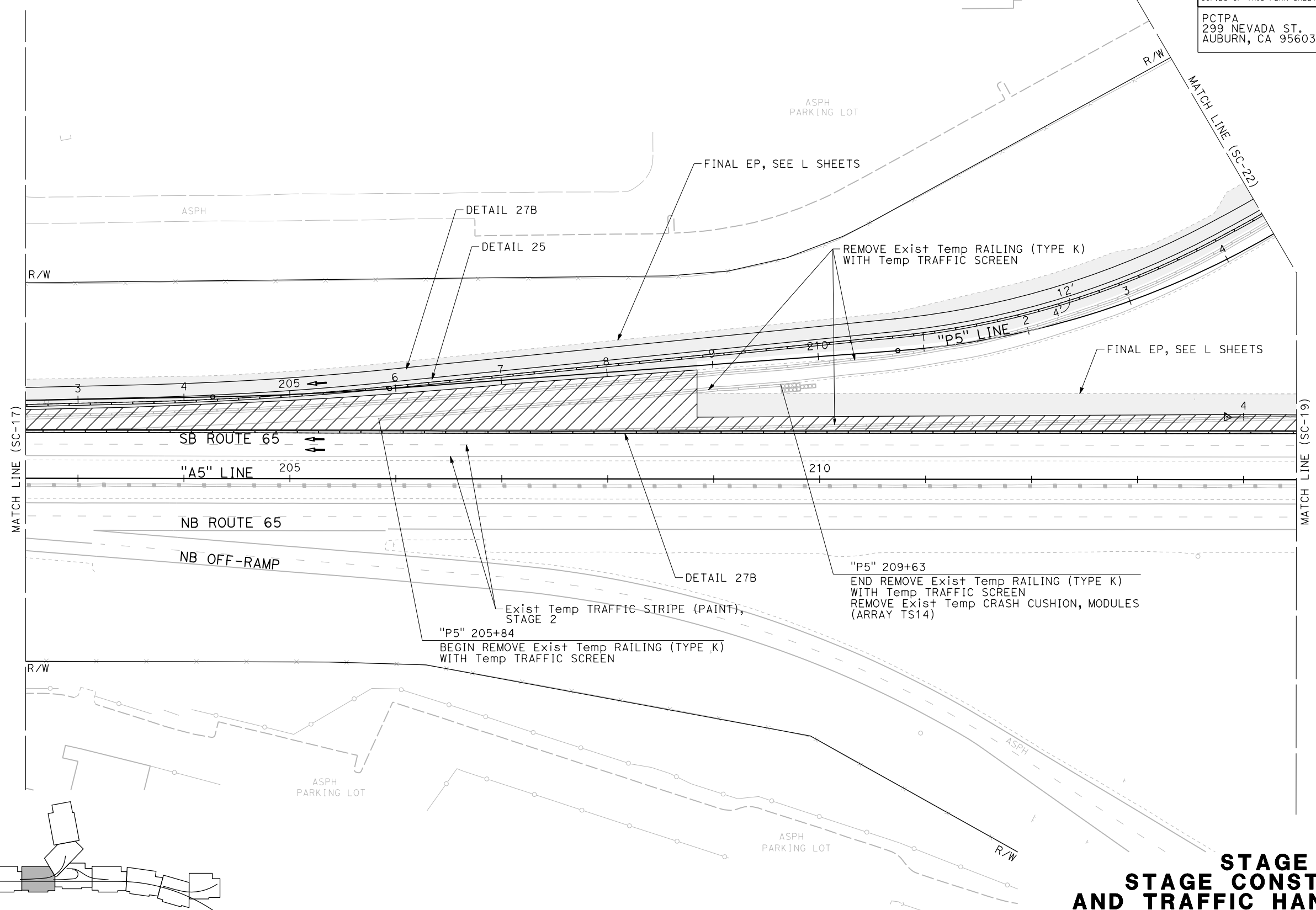
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plid	65	R5.7/R8.2	130	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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**STAGE 3  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-18**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

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		CHECKED BY	DATE REVISED

x  
x  
x  
x  
x  
x  
x  
x  
x  
x

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	131	230

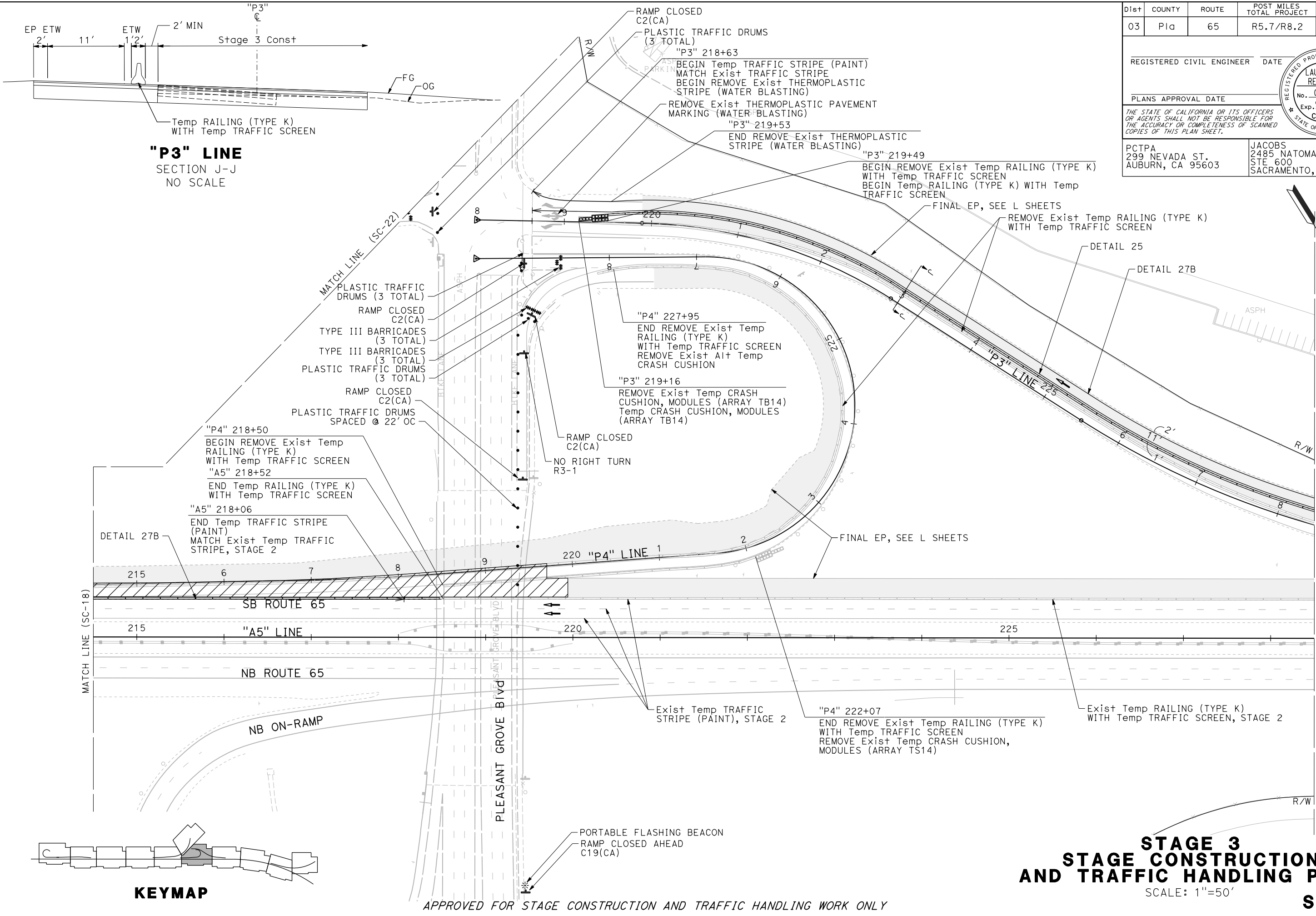
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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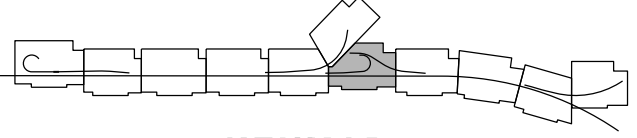
JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGNED BY	REVISOR
<b>Caltrans</b>	P. DONOVAN	P. DONOVAN
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DATE REVISION
C. BENSON	G. MANOREK	



MATCH LINE (SC-18)

MATCH LINE (SC-20)



**STAGE 3  
STAGE CONSTRUCTION  
AND TRAFFIC HANDLING PLAN**

SCALE: 1"=50'

**SC-19**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 1:31:59

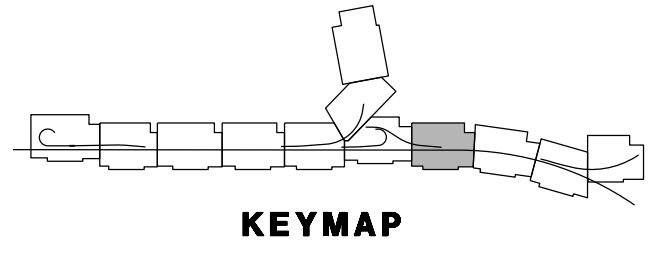
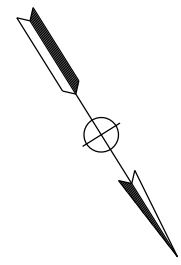
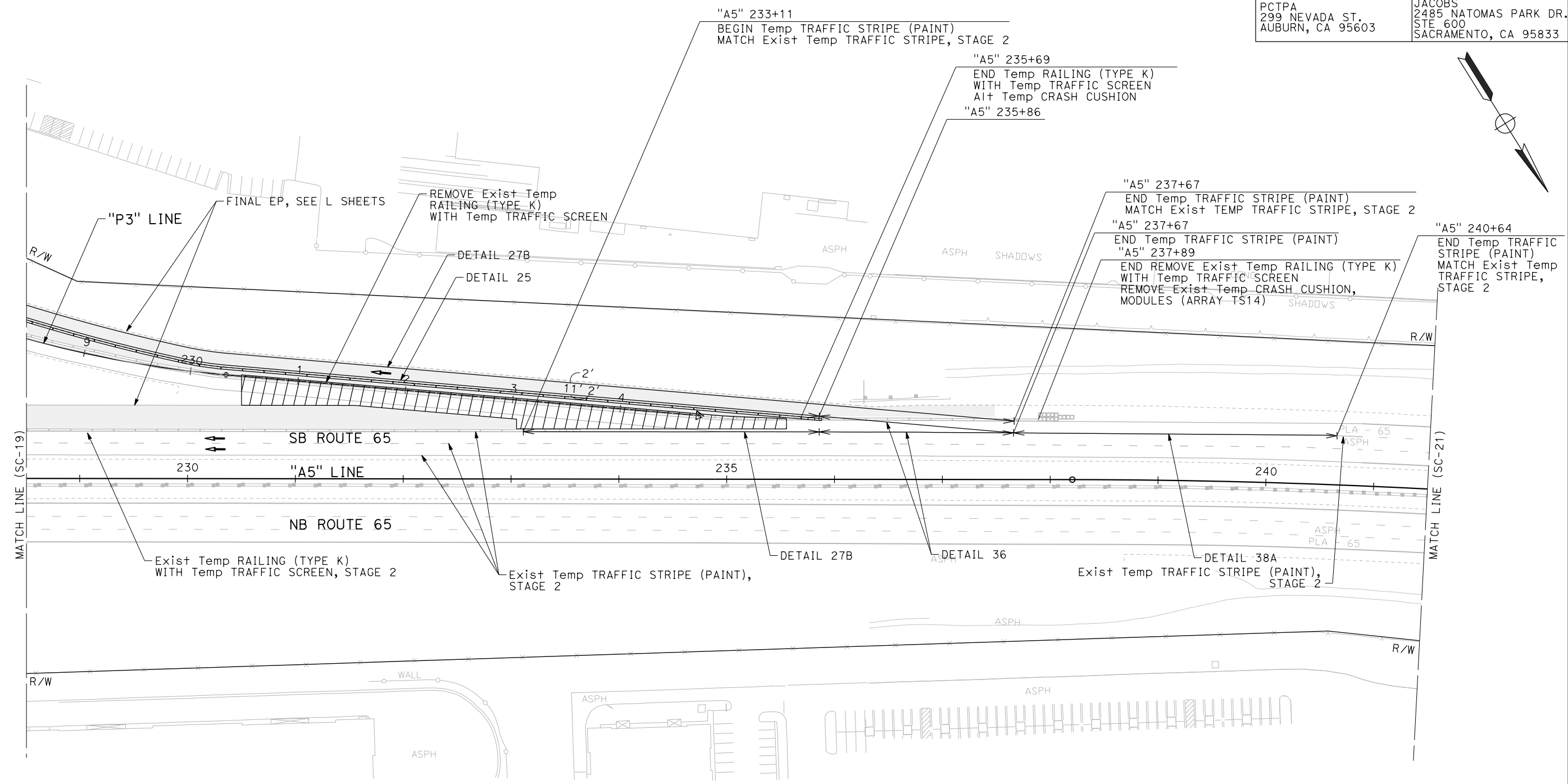
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	132	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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**STAGE 3  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-20**

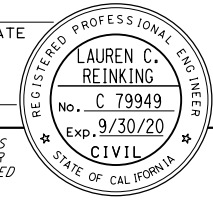
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
<b>Caltrans</b>	P. DONOVAN	
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DATE
C. BENSON	G. MANOREK	
CALCULATED-DESIGNED BY	REVISOR	DATE

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:58

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	133	230

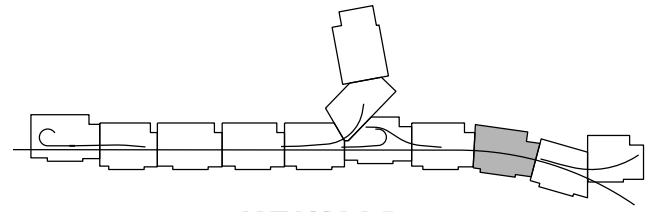
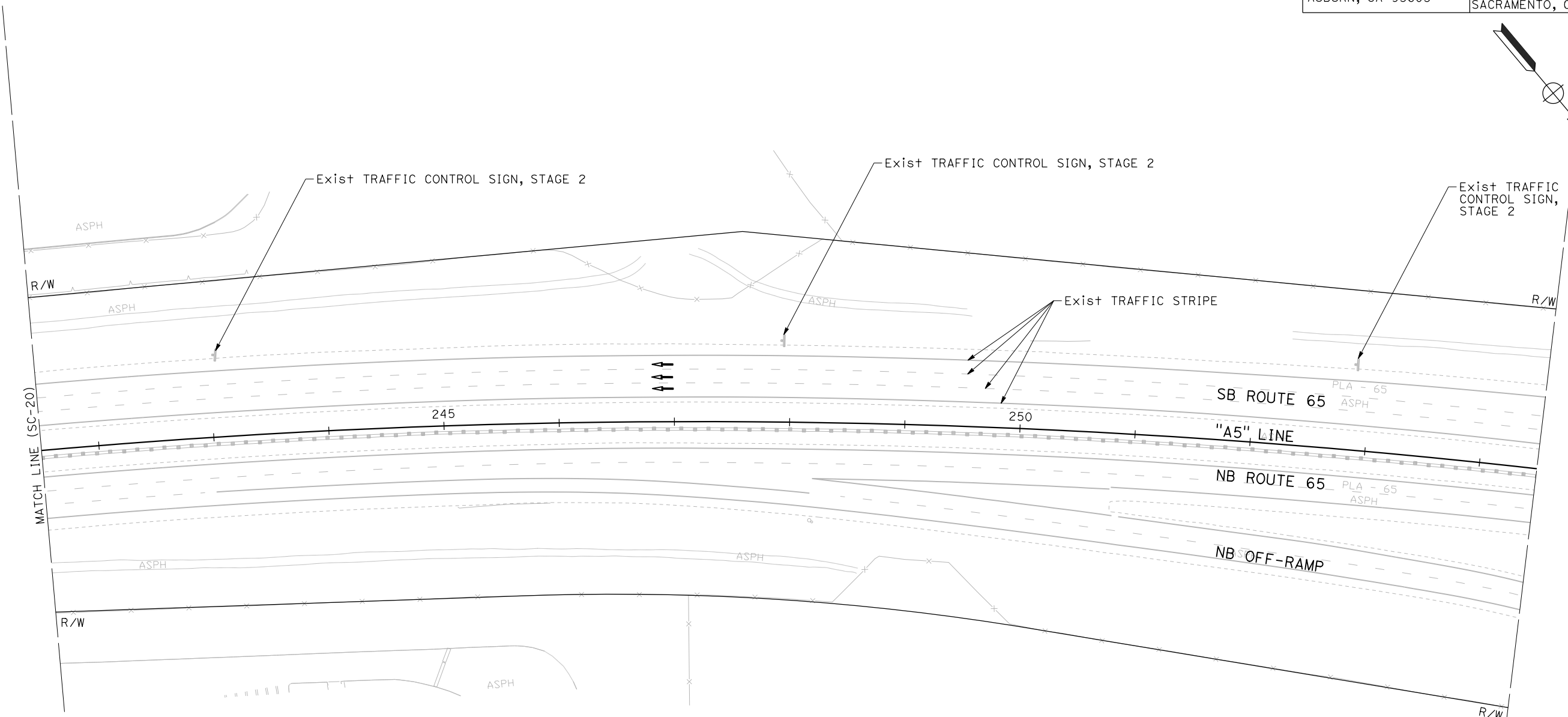
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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<b>Caltrans</b>	C. BENSON	P. DONOVAN	G. MANOREK
		CHECKED BY	DATE REVISED



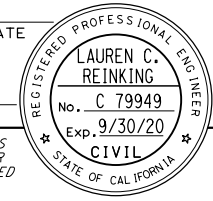
**STAGE 3  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-21**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:58

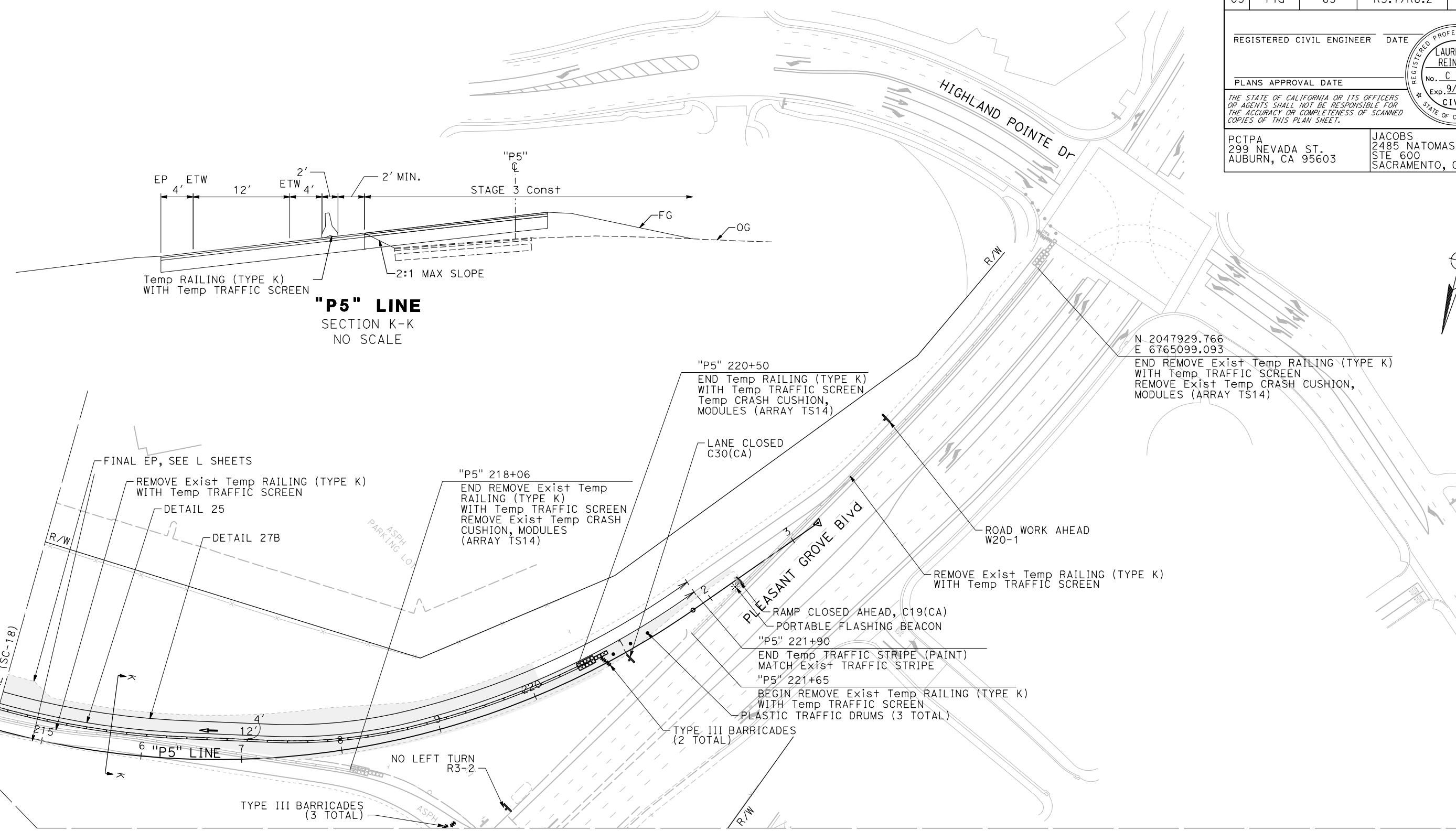
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	134	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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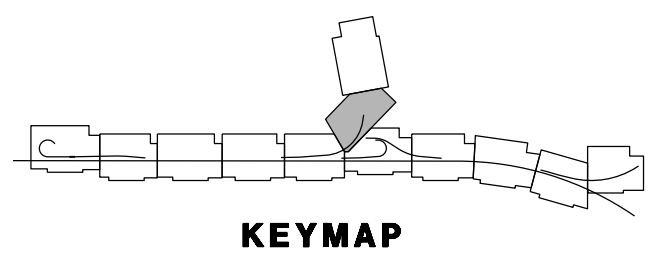
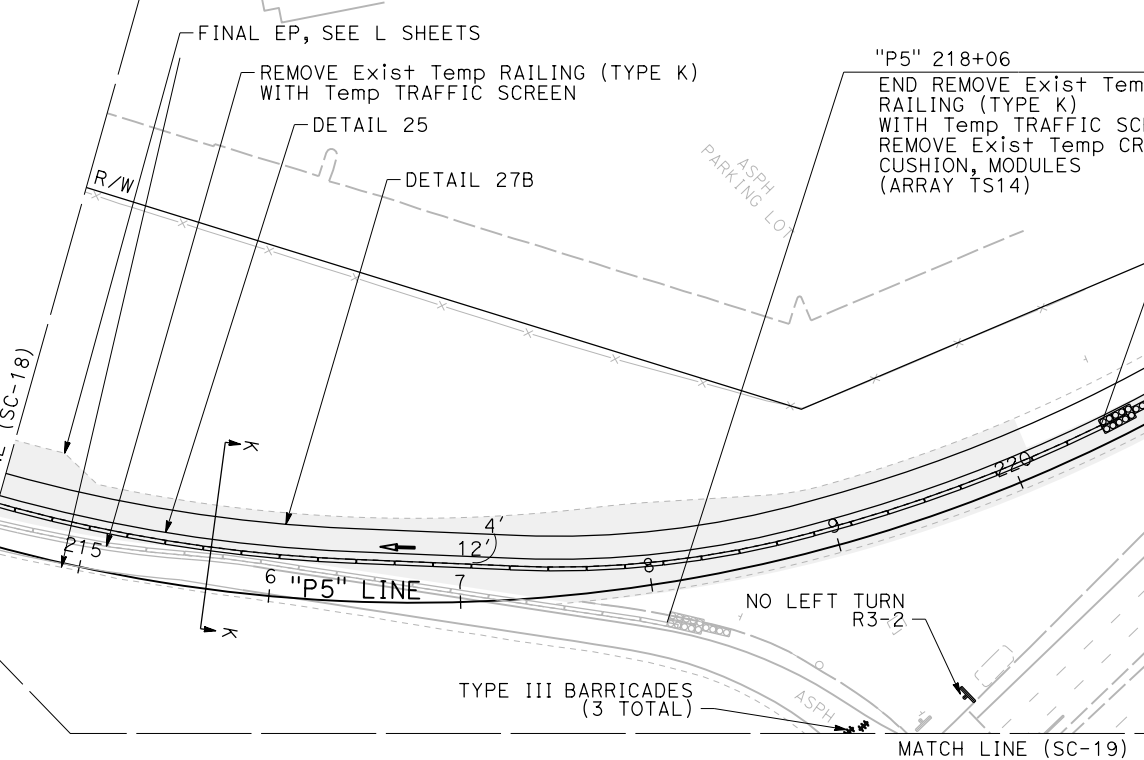
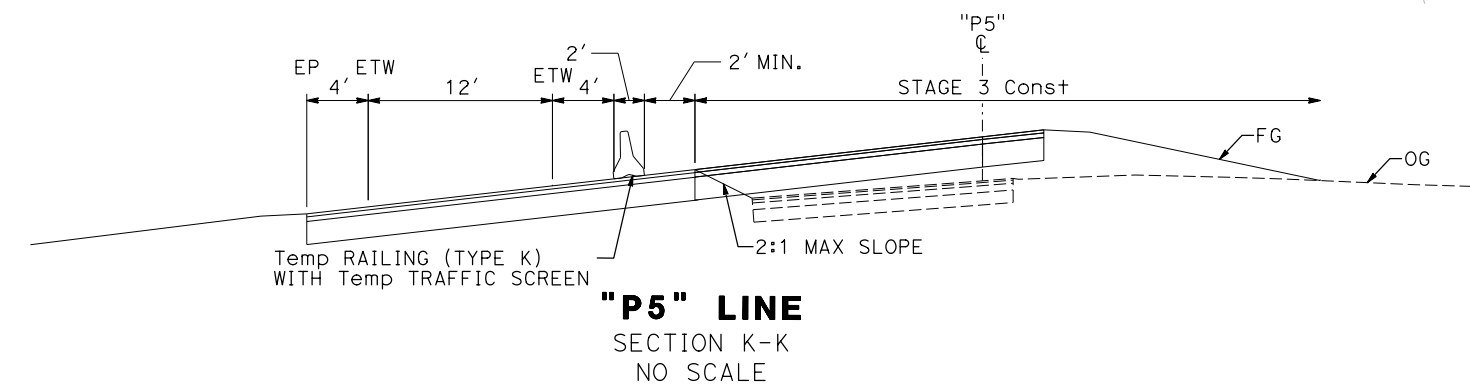


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JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



N 2047929.766  
 E 6765099.093  
 END REMOVE Exist Temp RAILING (TYPE K) WITH Temp TRAFFIC SCREEN  
 REMOVE Exist Temp CRASH CUSHION, MODULES (ARRAY TS14)

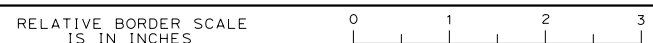


**STAGE 3  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-22**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

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 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: P. DONOVAN  
 CHECKED BY: G. MANOREK  
 REVISED BY: P. DONOVAN  
 DATE REVISED: \_\_\_\_\_

USERNAME => pwsvc  
 DGN FILE => 031F1701ma022.dgn



UNIT 0303

PROJECT NUMBER & PHASE 0320000055 03-1F1714

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:57

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON  
 CALCULATED/DESIGNED BY: P. DONOVAN  
 CHECKED BY: G. MANOREK  
 REVISED BY: DATE REVISIONS

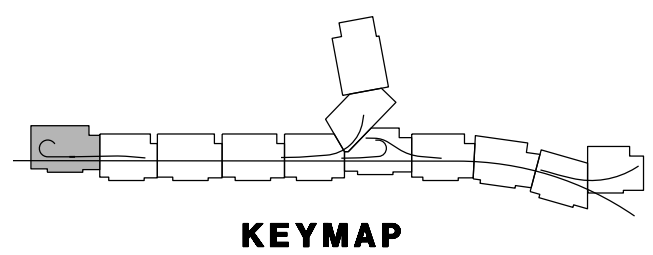
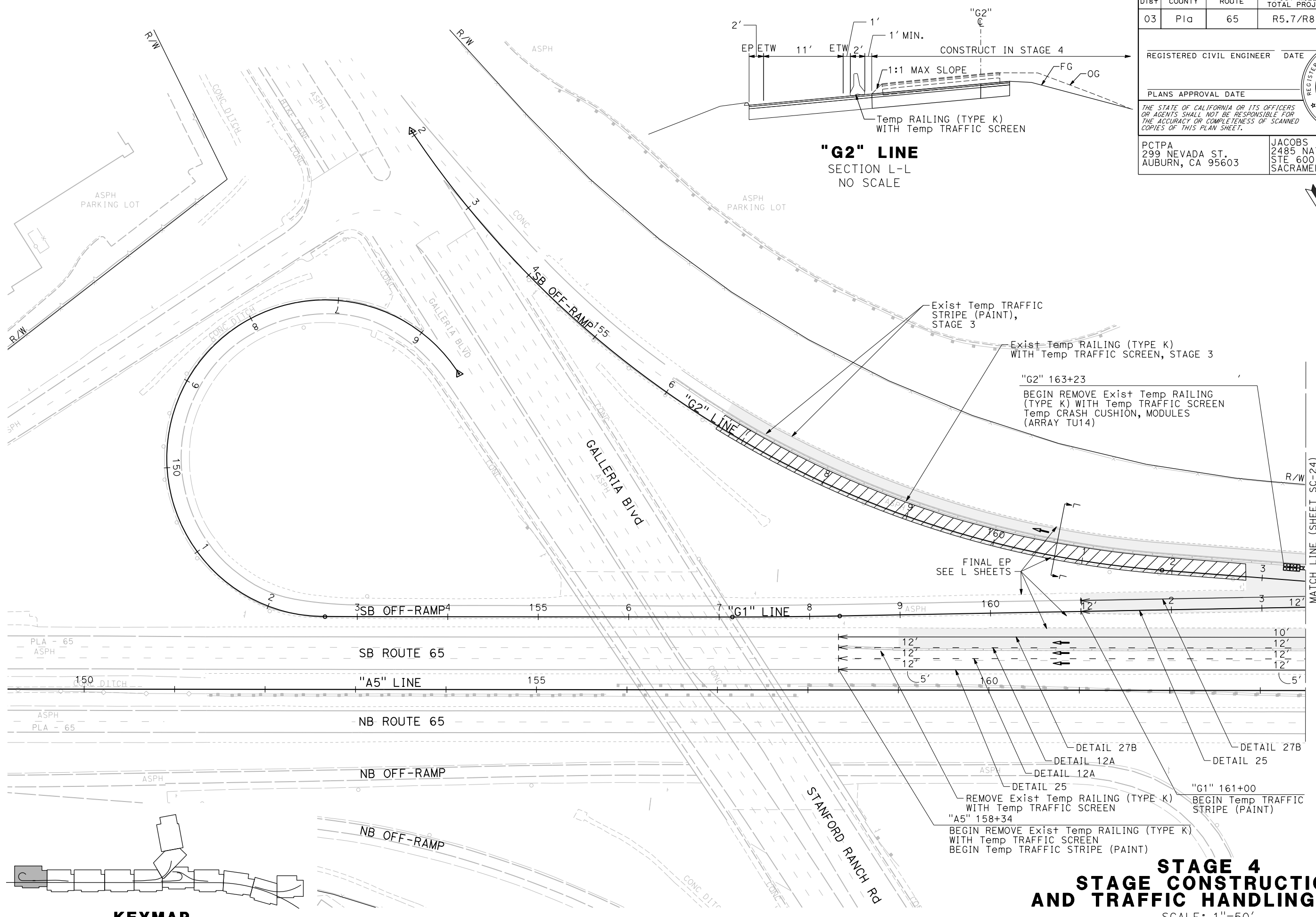
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	135	230

REGISTERED CIVIL ENGINEER DATE  
 LAUREN C. REINKING  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

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 STE 600  
 SACRAMENTO, CA 95833



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**STAGE 4  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-23**

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:56



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	136	230

REGISTERED CIVIL ENGINEER DATE

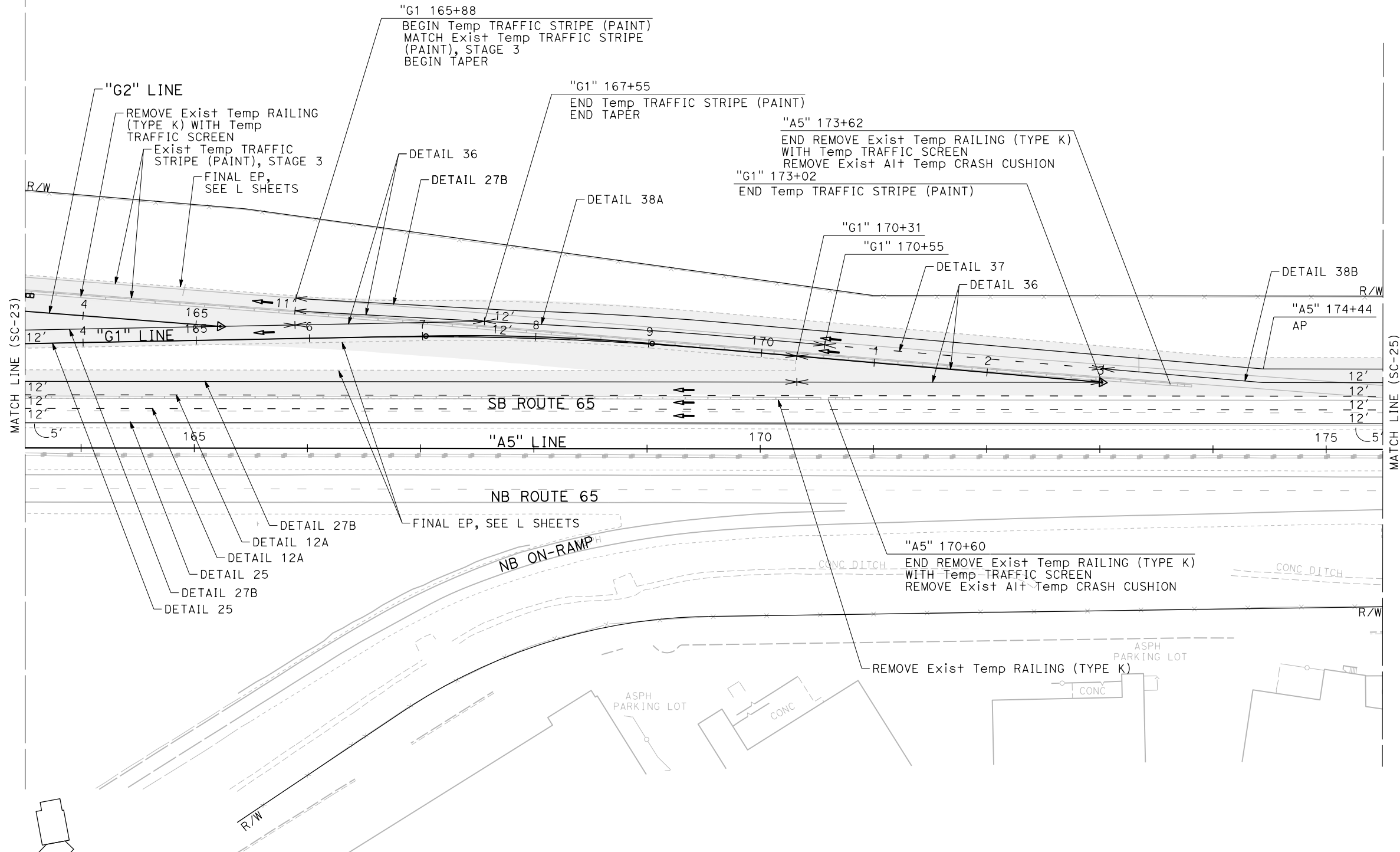


PLANS APPROVAL DATE

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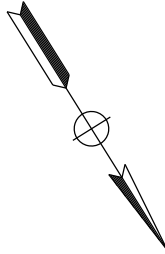
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AUBURN, CA 95603

JACOBS  
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STE 600  
SACRAMENTO, CA 95833



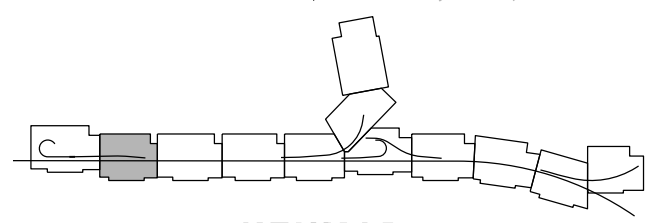
MATCH LINE (SC-23)

MATCH LINE (SC-25)



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	REVISOR BY	DATE
Et Caltrans	C. BENSON	G. MANOREK	P. DONOVAN	

**KEYMAP**



APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

**STAGE 4  
STAGE CONSTRUCTION  
AND TRAFFIC HANDLING PLAN**  
SCALE: 1"=50'  
**SC-24**

LAST REVISION DATE PLOTTED => 23-JUL-2020  
00-00-00 TIME PLOTTED => 13:57

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	137	230

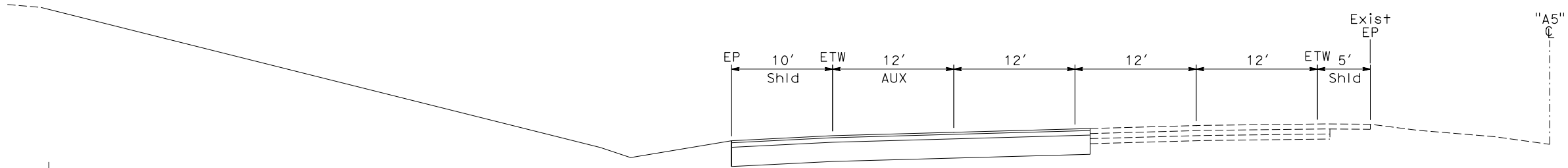
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

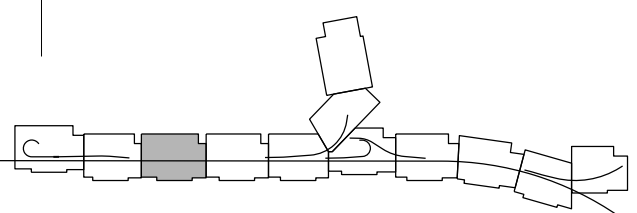
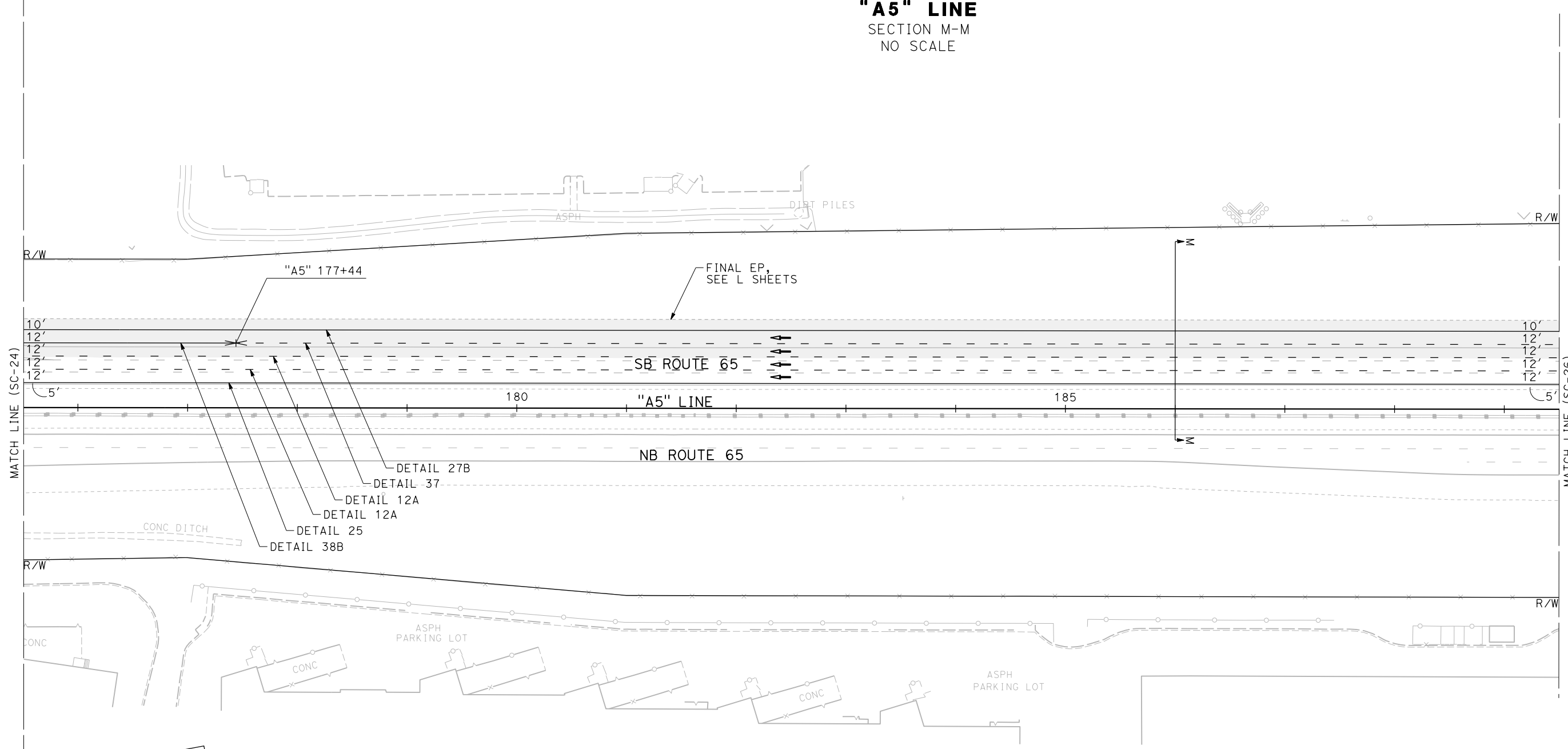
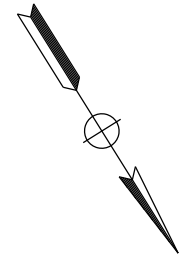
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**"A5" LINE**  
SECTION M-M  
NO SCALE



**KEYMAP**

**STAGE 4  
STAGE CONSTRUCTION  
AND TRAFFIC HANDLING PLAN**  
SCALE: 1"=50'  
**SC-25**

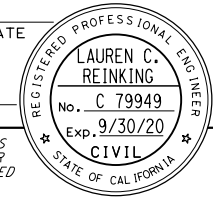
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans

REVISOR: P. DONOVAN, G. MANOREK  
CHECKED BY: C. BENSON

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	138	230

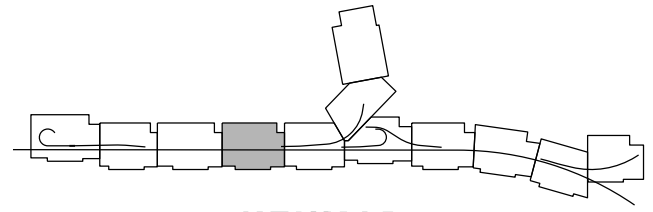
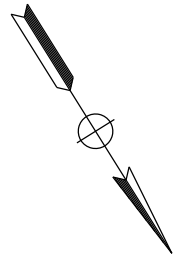
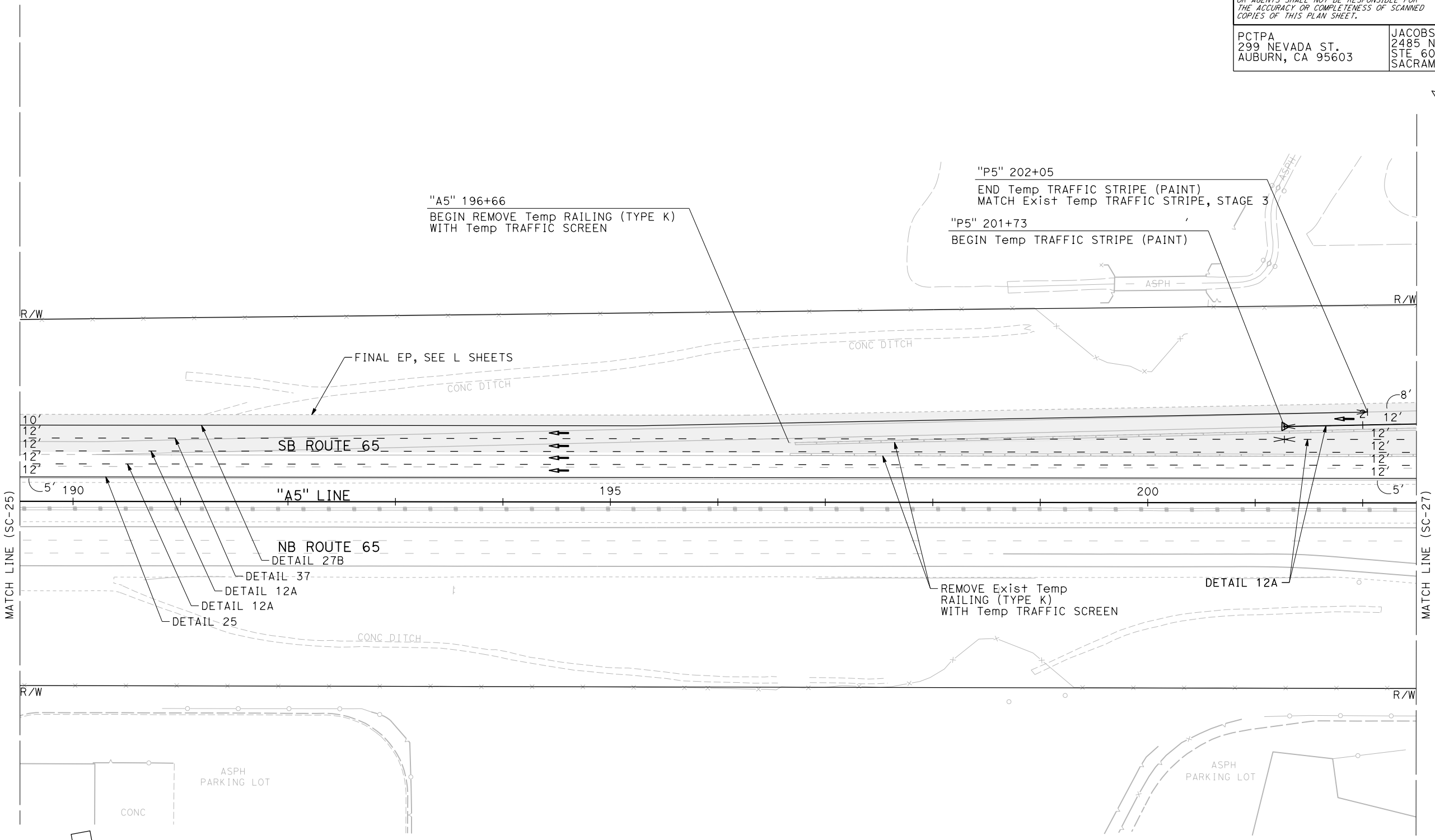
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Caltrans	C. BENSON	CHECKED BY	P. DONOVAN
			G. MANOREK
			DATE REVISOR



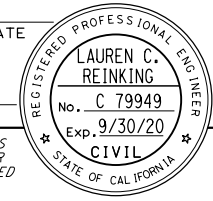
**STAGE 4  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-26**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:58

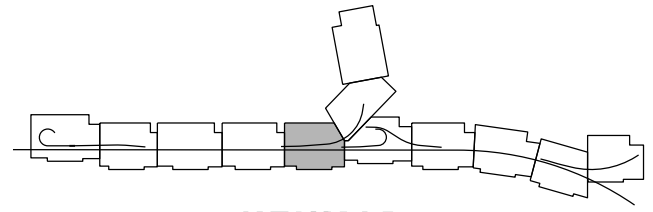
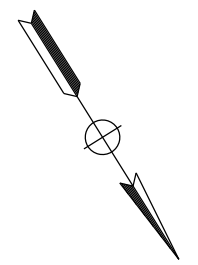
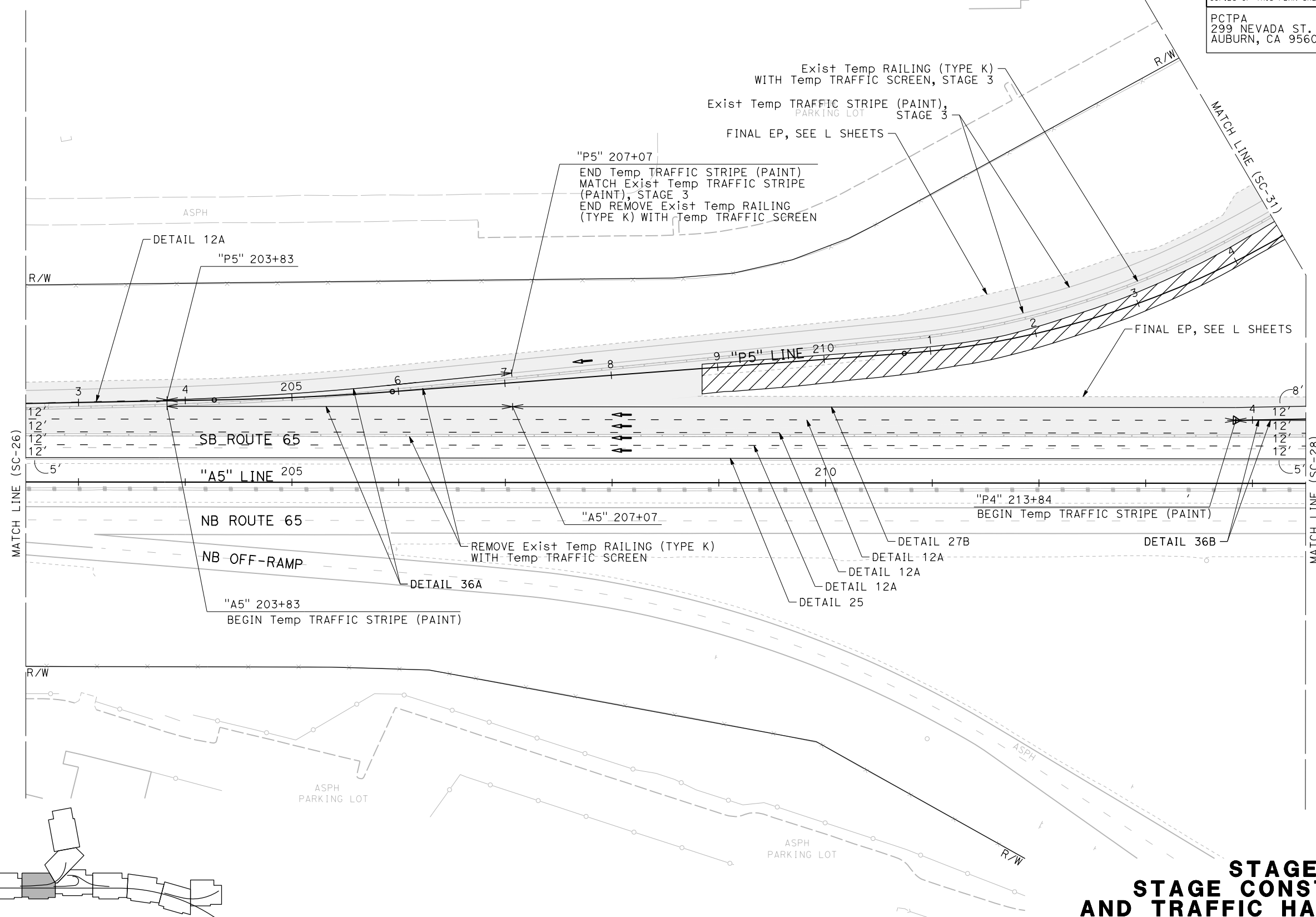
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	139	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833



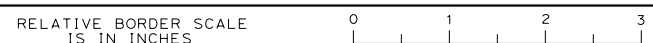
**KEYMAP**

**STAGE 4  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-27**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	P. DONOVAN G. MANOREK	
			DATE REVISOR

USERNAME => pwsvc  
 DGN FILE => 031F1701ma027.dgn



UNIT 0303

PROJECT NUMBER & PHASE 0320000055 03-1F1714

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 13:56

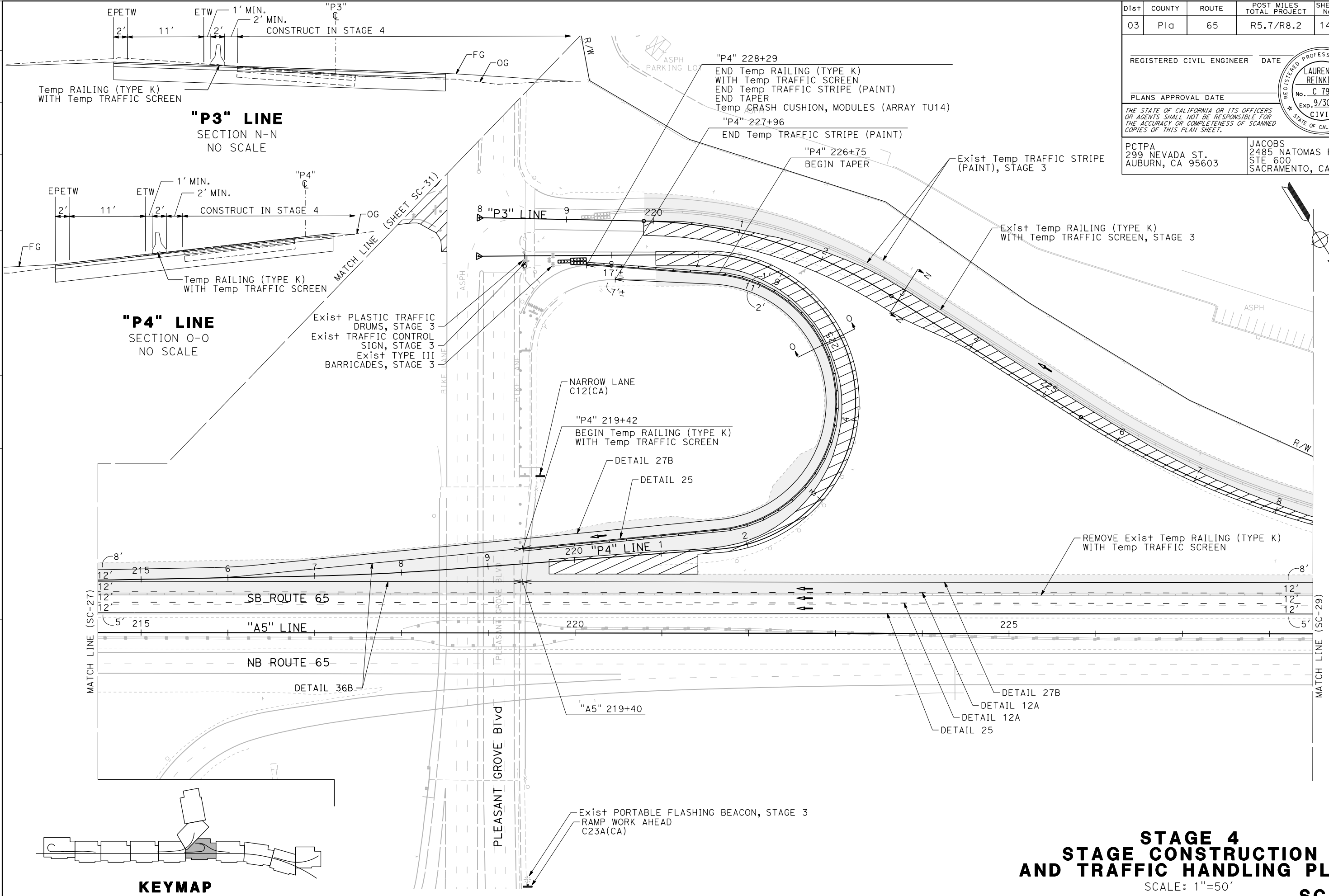
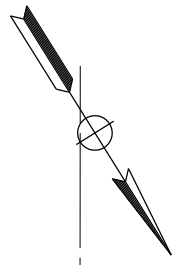
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	140	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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KEYMAP

## STAGE 4 STAGE CONSTRUCTION AND TRAFFIC HANDLING PLAN

SCALE: 1"=50'

# SC-28

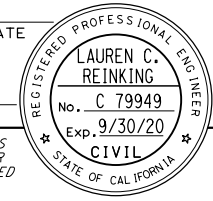
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

REVISOR	DATE	REVISION
P. DONOVAN		
G. MANOREK		
CALCULATED-DESIGNED BY	CHECKED BY	
C. BENSON		
CONSULTANT FUNCTIONAL SUPERVISOR		
DEPARTMENT OF TRANSPORTATION		
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 1:31:57

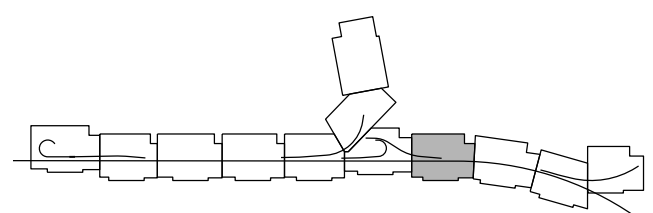
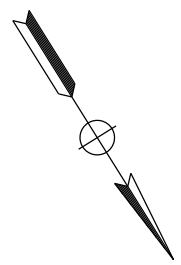
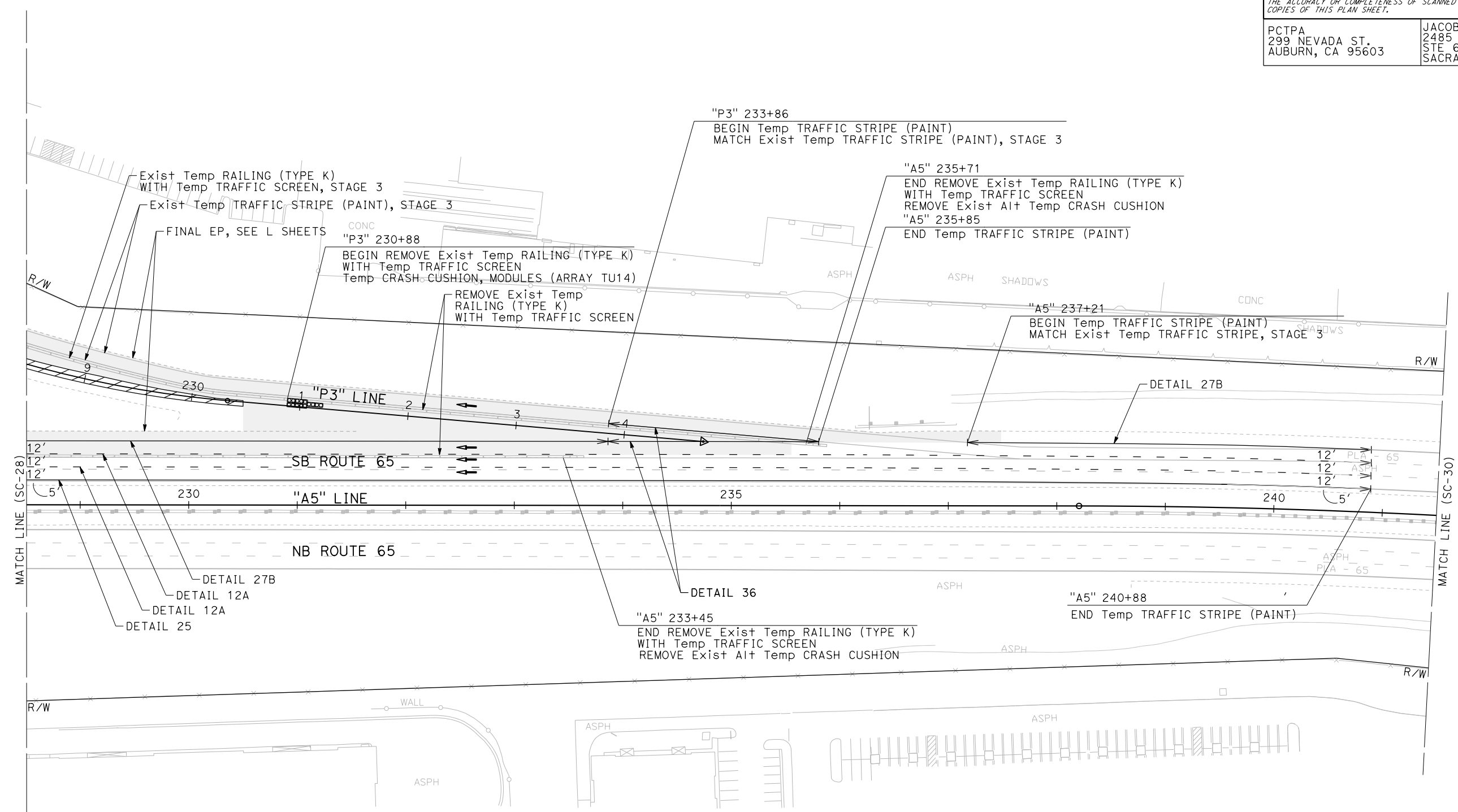
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	141	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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JACOBS  
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 STE 600  
 SACRAMENTO, CA 95833

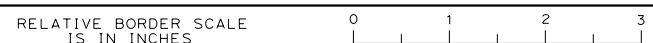


**STAGE 4  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-29**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Et Caltrans	P. DONOVAN	
	G. MANOREK	
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	
C. BENSON		
DESIGNED BY	REVISOR	DATE

USERNAME => pwsvc  
 DGN FILE => 031F1701ma029.dgn



UNIT 0303

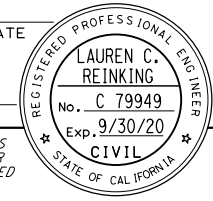
PROJECT NUMBER & PHASE 0320000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 23-JUL-2020  
 00-00-00 TIME PLOTTED => 1:31:56

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R5.7/R8.2	142	230

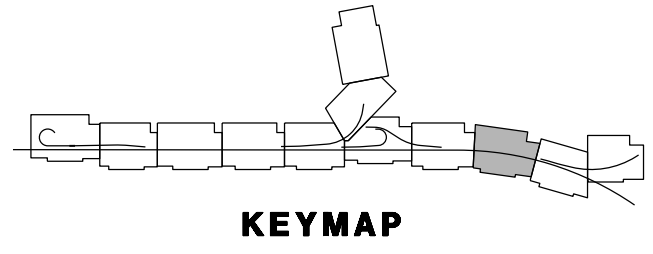
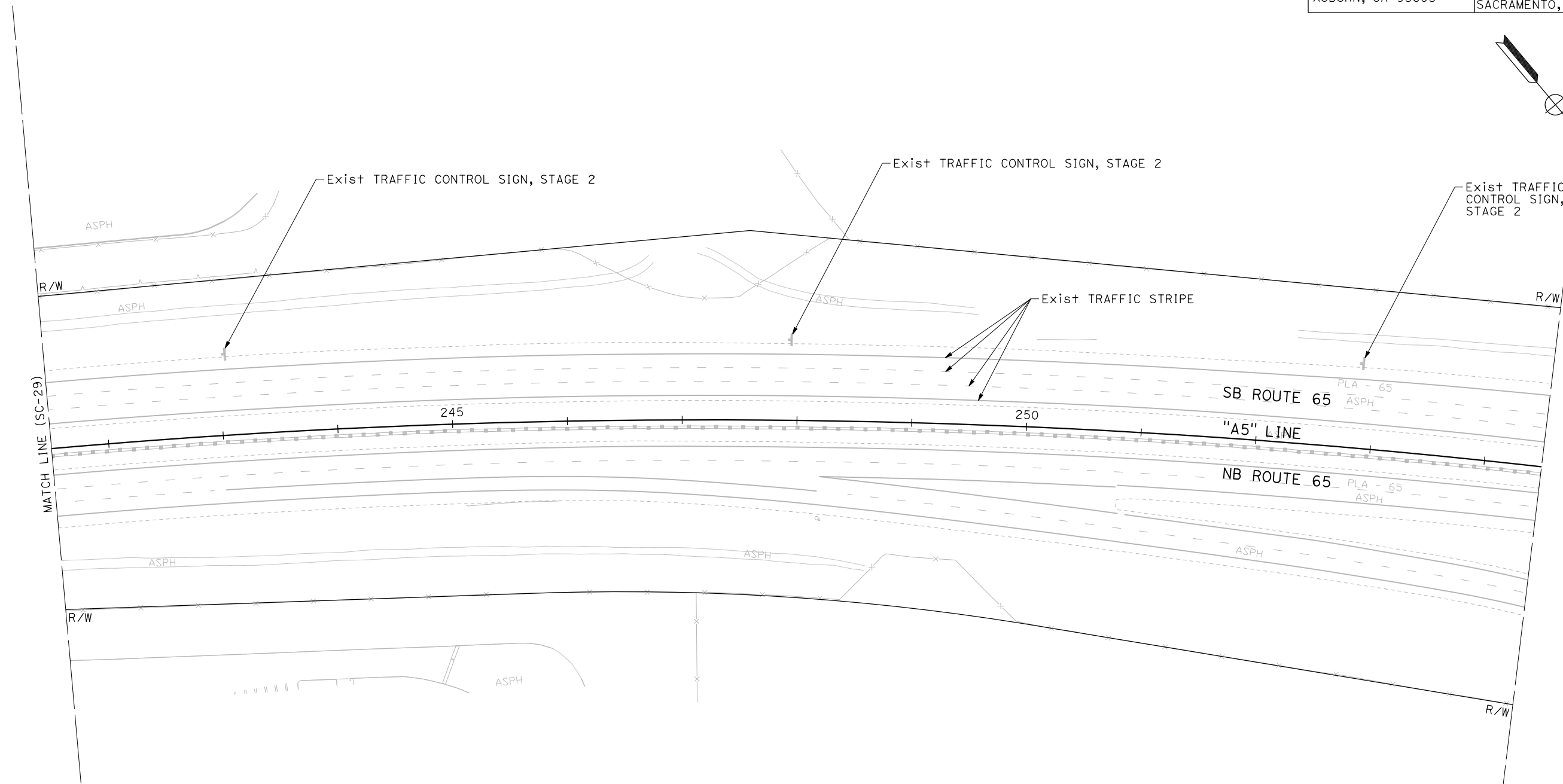
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	P. DONOVAN	G. MANOREK
		CHECKED BY	DATE REVISED



**STAGE 4  
 STAGE CONSTRUCTION  
 AND TRAFFIC HANDLING PLAN**  
 SCALE: 1"=50'  
**SC-30**

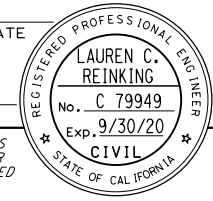
APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:56



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R5.7/R8.2	143	230

REGISTERED CIVIL ENGINEER DATE



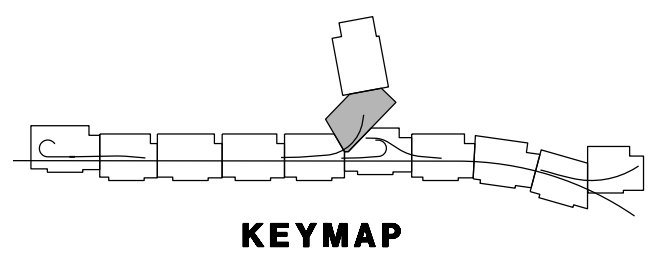
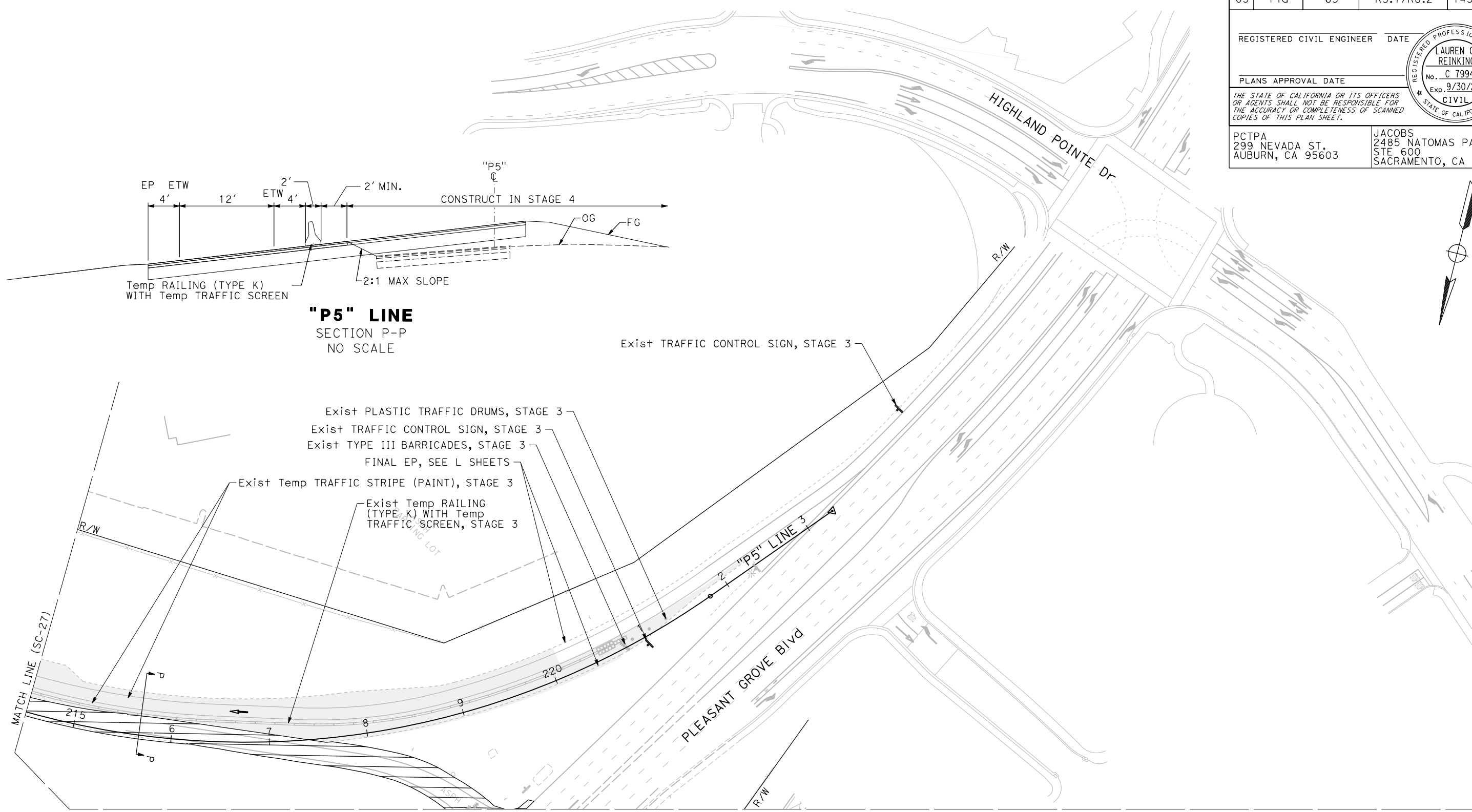
PLANS APPROVAL DATE

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PCTPA  
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AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	C. BENSON	CHECKED BY	DATE REVISOR
		P. DONOVAN	
		G. MANOREK	



**STAGE 4  
STAGE CONSTRUCTION  
AND TRAFFIC HANDLING PLAN**  
SCALE: 1"=50'  
**SC-31**

APPROVED FOR STAGE CONSTRUCTION AND TRAFFIC HANDLING WORK ONLY

LAST REVISION DATE PLOTTED => 23-JUL-2020 00-00-00 TIME PLOTTED => 13:57

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plac	65	R5.7/R8.2	144	230

**NOTES:**

1. THE SIGN MESSAGE SHOWS FOR TYPE OF PROJECT AND FUND TYPES ARE EXAMPLES ONLY. SEE THE SPECIAL PROVISIONS FOR APPLICABLE TYPE OF PROJECT AND FUND TYPE MESSAGE TO BE USED.
2. THE LEGEND, LETTERING, AND GRAPHICS OF SIGN SHALL BE BLACK PRINT ON A WHITE BACKGROUND (RETROREFLECTIVE) UNLESS OTHERWISE SHOWN ON THIS PLAN OR STANDARD PLAN "T7".
3. YEAR OF COMPLETION OF PROJECT CONSTRUCTION SHOWN ON THE OVERLAY IS AN EXAMPLE ONLY. SEE THE SPECIAL PROVISIONS.
4. REPLICATE PCTPA LOGO AS ACCURATELY AS POSSIBLE IN LIEU OF PROVIDING COMPLETE LOGO OF WORDS "PLACER COUNTY TRANSPORTATION PLANNING AGENCY" AND "SOUTH PLACER REGIONAL TRANSPORTATION AUTHORITY" WITH THE PATTERN SHOWN CAN BE USED.
5. YEAR OF COMPLETION AND FUNDING SOURCE NOMENCLATURE SHALL BE CONFIRMED BY THE PLACER COUNTY TRANSPORTATION PLANNING AGENCY PRIOR TO ORDERING SIGN.

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

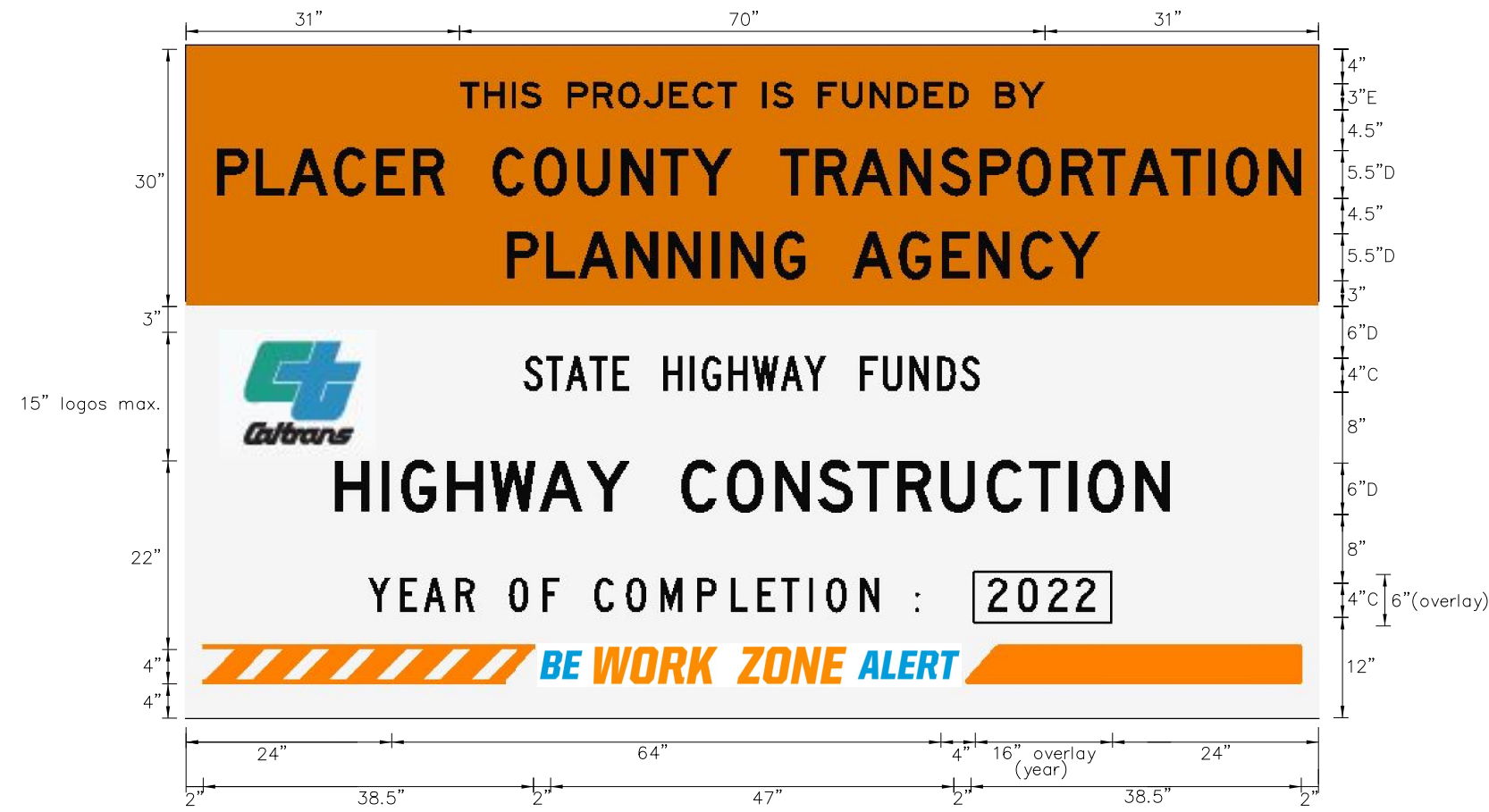
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PCTPA  
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
	C. BENSON	CHECKED BY	DATE REVISED



**STAGE CONSTRUCTION AND TRAFFIC HANDLING DETAILS**  
NO SCALE  
**SCD-1**

STATION LIMITS	DIRECTION	Temp TRAFFIC STRIPE (PAINT)	REMOVE EXIST THERMOPLASTIC TRAFFIC STRIPE (WATER BLASTING)	REMOVE EXIST YELLOW TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE EXIST THERMOPLASTIC PAVEMENT MARKING	Temp RAILING (TYPE K)	Temp TRAFFIC SCREEN	Temp CRASH CUSHION MODULES (ARRAY)	ALTERNATE Temp CRASH CUSHIONS	PLASTIC TRAFFIC DRUMS	TYPE III BARRICADES	FLASHING ARROW SIGNS
	Rt/Lt	LF	LF	LF	SF	LF	LF	EA	TYPE	EA	EA	EA
"B4" 261+80 TO "B4" 275+41	LT	1361										
"B4" 262+40 TO "B4" 275+41	LT		1301									
"B4" 262+40	LT				12							
"B4" 263+20	LT				11							
"B4" 263+40	LT				24							
"B4" 264+20	LT				23							
"B4" 264+80	LT				17							
"B4" 265+20	LT				11							
"B4" 266+80	LT				11							
"B4" 267+10	LT				24							
"B4" 267+60	LT				23							
"B4" 268+20	LT				17							
"B4" 268+60	LT				11							
"B4" 270+40	LT				11							
"B4" 270+80	LT				24							
"B5" 271+40	LT				23							
"B6" 272+10	LT				17							
"B7" 272+40	LT				11							
"B4" 261+80 TO "B4" 275+08	LT					1340	1340	1	TS 14	6	3	1
EB BLUE OAKS Blvd										22		1
<b>STAGE 1 TOTALS</b>		<b>1361</b>	<b>1301</b>		<b>270</b>	<b>1340</b>	<b>1340</b>	<b>1</b>		<b>28</b>	<b>3</b>	<b>2</b>
"A5" 158+34 TO "A5" 240+87	LT	8253										
"A5" 158+34 TO "A5" 240+87	LT	8253										
"A5" 158+34 TO "A5" 170+10	LT	1176										
"A5" 170+10 TO "A5" 172+03	LT	193										
"A5" 170+10 TO "A5" 172+03	LT	193										
"A5" 201+81 TO "A5" 205+81	LT	400										
"A5" 201+81 TO "P5" 205+80	RT	399										
"P5" 205+80 TO "P5" 215+92	RT	1012										
"A5" 205+81 TO "P4" 228+97	LT	2316										
"A5" 213+50 TO "A5" 218+03	LT	453										
"A5" 213+50 TO "P4" 218+03	RT	453										
"P4" 218+03 TO "P4" 228+87	RT	1084										
"A5" 218+03 TO "A5" 233+11	LT	1508										
"P3" 218+64 TO "P3" 233+11	RT	1447										
"P3" 218+64 TO "A5" 240+87	LT	2223										
"A5" 233+11 TO "A5" 234+93	LT	182										
"A5" 233+11 TO "A5" 234+93	LT	182										
"A5" 234+93 TO "A5" 237+89	LT	296										
"A5" 237+89 TO "A5" 240+87	LT	298										
"G2" 156+68 TO "A5" 173+43	LT		1675									
"A5" 158+34 TO "A5" 240+87	LT		8253	8253								
"A5" 170+10 TO "A5" 171+49	LT		139									
"A5" 170+10 TO "A5" 171+49	LT		139									
"A5" 202+15 TO "P5" 207+59	RT		544									
"A5" 204+57 TO "A5" 205+81	LT		124									
"A5" 213+61 TO "P4" 219+39	RT		578									
"A5" 216+70 TO "A5" 218+51	LT		181									
"A5" 233+11 TO "A5" 240+87	LT		776									
"A5" 237+89 TO "A5" 240+87	LT		298									
"P3" 231+81 TO "P3" 234+75	LT		294									

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.  
 PCTPA 299 NEVADA ST. AUBURN, CA 95603  
 JACOBS 2485 NATOMAS PARK DR. STE 600 SACRAMENTO, CA 95833

STATION LIMITS	DIRECTION	Temp TRAFFIC STRIPE (PAINT)	REMOVE EXIST THERMOPLASTIC TRAFFIC STRIPE (WATER BLASTING)	REMOVE EXIST YELLOW TRAFFIC STRIPE (HAZARDOUS WASTE)	REMOVE EXIST THERMOPLASTIC PAVEMENT MARKING	Temp RAILING (TYPE K)	Temp TRAFFIC SCREEN	Temp CRASH CUSHION MODULES (ARRAY)	ALTERNATE Temp CRASH CUSHIONS	PLASTIC TRAFFIC DRUMS	TYPE III BARRICADES	FLASHING ARROW SIGNS
	Rt/Lt	LF	LF	LF	SF	LF	LF	EA	TYPE	EA	EA	EA
"P5" 207+59 TO "P5" 215+92	RT			833								
"P4" 219+39 TO "P4" 228+87	RT			948								
"P3" 218+64 TO "P3" 231+81	RT			1317								
"P5" 210+40	RT				11							
"P4" 221+40	RT				11							
"P4" 221+90	RT				24							
"P4" 222+40	RT				23							
"P4" 222+90	RT				17							
"P4" 223+50	RT				11							
"P4" 225+50	RT				11							
"P4" 226+10	RT				24							
"P4" 226+60	RT				23							
"P4" 227+20	RT				17							
"P4" 227+60	RT				11							
"P3" 220+80	RT				42							
"P3" 222+60	RT				45							
"P3" 224+40	RT				31							
"P3" 226+20	RT				31							
"P3" 226+60	RT				32							
NB PLEASANT GROVE Blvd					90							
NB PLEASANT GROVE Blvd					50							
NB PLEASANT GROVE Blvd					32							
NB PLEASANT GROVE Blvd					20							
"G2" 156+68 TO "P5" 218+06	LT					6140	6140	1	TS 14			
"G1" 158+58 TO "G1" 170+10	RT					1160	1160			1		
"A5" 158+34 TO "A5" 170+61	LT					1240	1240			1		
"P5" 205+80 TO "P5" 209+64	RT					380	380	1	TS 14			
"A5" 205+81 TO "P4" 227+95	LT					2220	2220			1		
"P4" 218+51 TO "P4" 222+08	RT					360	360	1	TS 11			
"A5" 218+51 TO "A5" 233+45	LT					1500	1500			1		
"P3" 219+49 TO "P3" 237+89	LT					1840	1840	1	TS 14			
NB PLEASANT GROVE Blvd						500	500	1	TS 14		6	3
"P3" 219+49	LT							1	TB 14			
<b>STAGE 2 TOTALS</b>		<b>30321</b>	<b>13001</b>	<b>11351</b>	<b>556</b>	<b>15340</b>	<b>15340</b>	<b>6</b>		<b>4</b>	<b>6</b>	<b>3</b>

**STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES**  
 NO SCALE  
**SCQ-1**

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 15:44

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	145	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

LAUREN C. REINKING  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

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 AUBURN, CA 95603

JACOBS  
 2485 NATOMAS PARK DR.  
 STE 600  
 SACRAMENTO, CA 95833

STATION LIMITS	DIRECTION	Temp TRAFFIC STRIPE (PAINT)	REMOVE Exist THERMOPLASTIC PAVEMENT MARKING	Temp RAILING (TYPE K)	Temp TRAFFIC SCREEN	Temp CRASH CUSHION MODULES (ARRAY)		ALTERNATE Temp CRASH CUSHIONS	PLASTIC TRAFFIC DRUMS	TYPE III BARRICADES	PORTABLE FLASHING BEACONS	STATION LIMITS	DIRECTION	Temp TRAFFIC STRIPE (PAINT)	Temp RAILING (TYPE K)	Temp TRAFFIC SCREEN	Temp CRASH CUSHION MODULES (ARRAY)	
						EA	TYPE										EA	TYPE
"G2" 156+66 TO "P5" 221+90	LT	6524										"A5" 158+34 TO "A5" 240+90	LT	8256				
"G2" 156+66 TO "A5" 173+70	LT	1704										"A5" 158+34 TO "A5" 240+90	LT	8256				
"A5" 170+10 TO "A5" 173+70	LT	360										"A5" 158+34 TO "A5" 240+90	LT	8256				
"A5" 173+70 TO "A5" 175+23	LT	153										"A5" 158+34 TO "A5" 170+31	LT	1197				
"A5" 173+70 TO "A5" 175+23	LT	153										"G1" 161+00 TO "G1" 170+31	RT	931				
"A5" 175+23 TO "A5" 178+23	LT	300										"G1" 161+00 TO "G1" 165+88	LT	488				
"A5" 178+23 TO "A5" 190+22	LT	1199										"G1" 165+88 TO "P5" 202+05	LT	3617				
"A5" 190+22 TO "A5" 194+90	LT	468										"G1" 165+88 TO "G1" 167+55	LT	167				
"A5" 190+22 TO "A5" 194+90	LT	468										"G1" 165+88 TO "G1" 167+55	LT	167				
"A5" 194+90 TO "P5" 221+90	LT	2700										"G1" 167+55 TO "G1" 170+55	LT	300				
"A5" 194+90 TO "A5" 218+05	LT	2315										"G1" 170+31 TO "G1" 173+02	RT	271				
"P3" 219+53 TO "P3" 235+80	LT	1627										"G1" 170+31 TO "G1" 173+02	RT	271				
"P3" 219+53 TO "A5" 237+67	LT	1814										"G1" 170+55 TO "G1" 173+02	LT	247				
"A5" 233+11 TO "A5" 235+80	LT	269										"G1" 173+02 TO "A5" 177+44	LT	442				
"A5" 235+80 TO "A5" 237+67	LT	187										"A5" 177+44 TO "P5" 201+73	LT	2429				
"A5" 235+80 TO "A5" 237+67	LT	187										"A5" 201+73 TO "P4" 213+84	LT	1211				
"A5" 237+67 TO "A5" 240+64	LT	297										"P5" 201+73 TO "P5" 203+83	RT	210				
"P3" 218+90	LT		59									"P5" 203+83 TO "P5" 207+07	LT	324				
"G2" 156+66 TO "A5" 173+62	LT			1700	1700			1				"A5" 203+83 TO "A5" 207+07	LT	324				
"A5" 170+60 TO "A5" 174+21	LT			360	360			1				"A5" 207+07 TO "P4" 227+96	LT	2089				
"A5" 196+66 TO "P5" 220+50	LT			2380	2380	1	TS 14		3	2		"P4" 213+84 TO "P4" 219+42	LT	558				
"A5" 196+66 TO "A5" 218+05	LT			2140	2140							"A5" 213+84 TO "A5" 219+40	LT	556				
"P3" 219+49 TO "A5" 235+69	LT			1620	1620			1				"P4" 219+42 TO "P4" 228+29	LT	887				
"A5" 233+45 TO "A5" 236+28	LT			280	280			1				"A5" 219+40 TO "A5" 233+86	LT	1446				
"P3" 219+16	LT					1	TB 14					"P3" 233+86 TO "A5" 235+85	LT	199				
SB PLEASANT GROVE Blvd									17	3		"A5" 233+86 TO "A5" 235+85	LT	199				
"P4" 218+50 TO "P4" 219+00	RT								3	3		"A5" 237+21 TO "A5" 240+90	LT	369				
"P5" 218+80	RT								3	3		"G2" 163+23	LT				1	TU 14
SB PLEASANT GROVE Blvd											1	"P4" 219+42 TO "P4" 228+29	LT		900	900		
NB PLEASANT GROVE Blvd											1	"P3" 230+88	LT				1	TU 14
<b>STAGE 3 TOTALS</b>		<b>20725</b>		<b>8480</b>	<b>8480</b>	<b>2</b>		<b>4</b>	<b>26</b>	<b>11</b>	<b>2</b>	<b>STAGE 4 TOTALS</b>	<b>43667</b>	<b>900</b>	<b>900</b>	<b>2</b>		

ALL STAGES TOTALS		
Temp TRAFFIC STRIPE (PAINT)	LF	96074
REMOVE Exist THERMOPLASTIC TRAFFIC STRIPE (WATER BLASTING)	LF	14302
REMOVE Exist YELLOW TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	11351
REMOVE Exist THERMOPLASTIC PAVEMENT MARKING	SF	826
Temp RAILING (TYPE K)	LF	26060
Temp TRAFFIC SCREEN	LF	26060
Temp CRASH CUSHION MODULES (ARRAY)	EA	11
ALTERNATE Temp CRASH CUSHIONS	EA	8
PLASTIC TRAFFIC DRUMS	EA	60
TYPE III BARRICADES	EA	17
FLASHING ARROW SIGNS	EA	3
PORTABLE FLASHING BEACONS	EA	2

**STAGE CONSTRUCTION AND TRAFFIC HANDLING QUANTITIES**  
 NO SCALE  
**SCQ-2**

LAST REVISION: DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 13:48

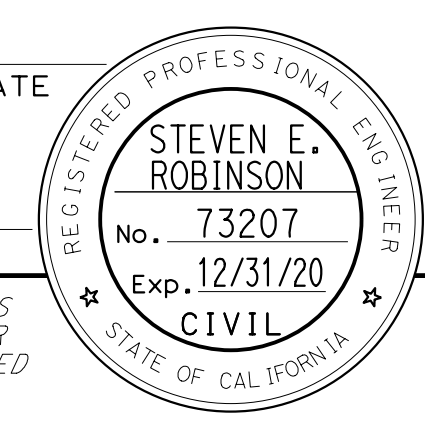


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	147	230

REGISTERED CIVIL ENGINEER DATE

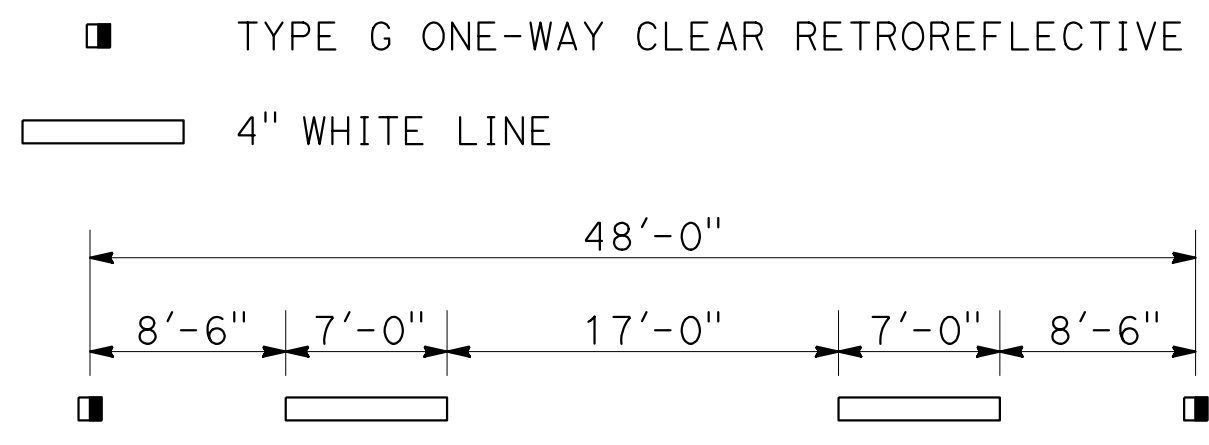
PLANS APPROVAL DATE

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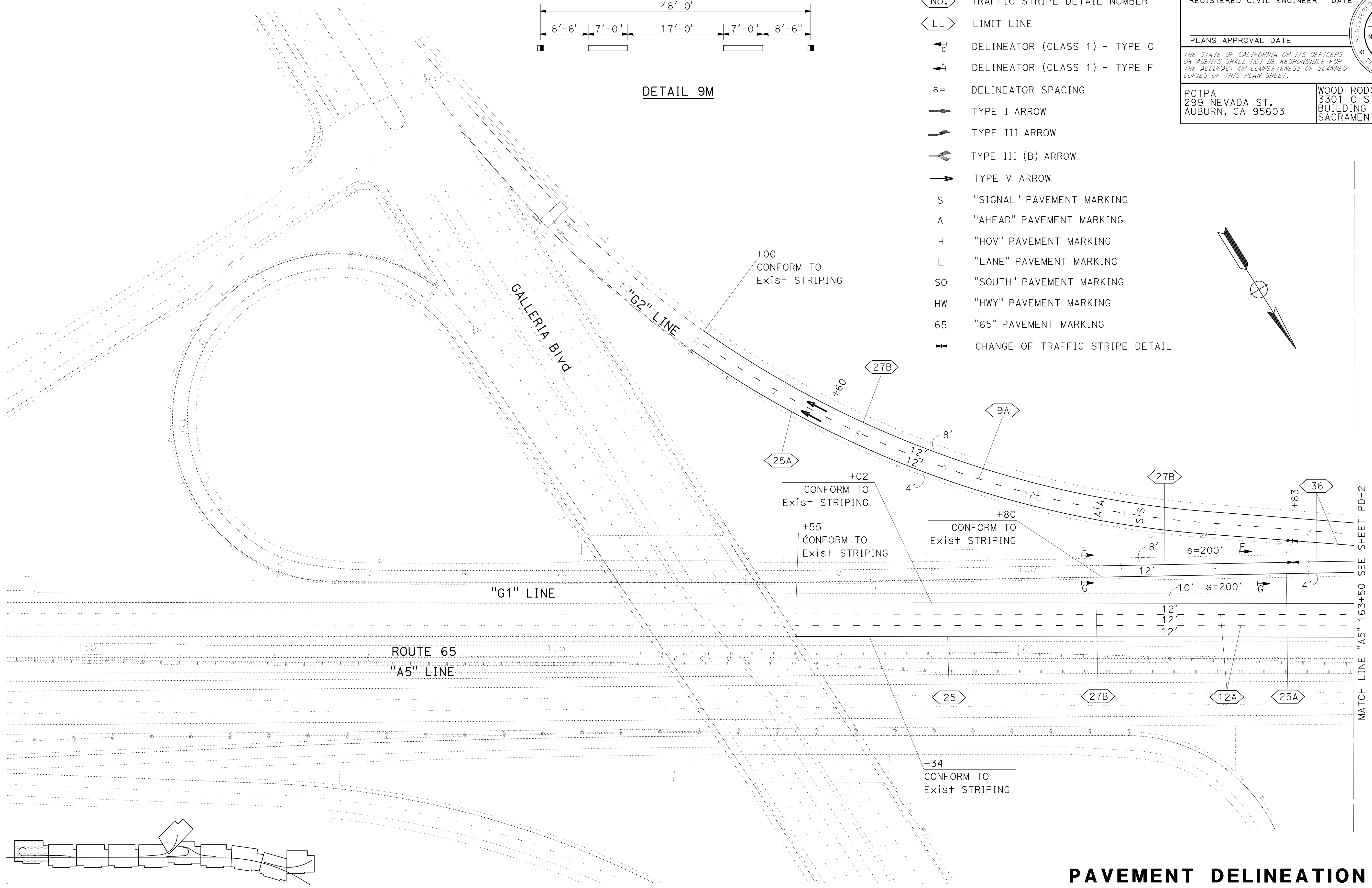
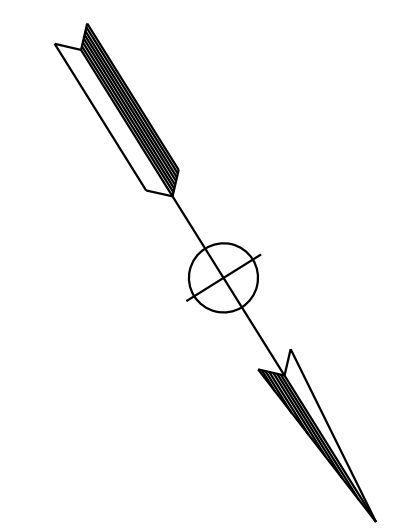
WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



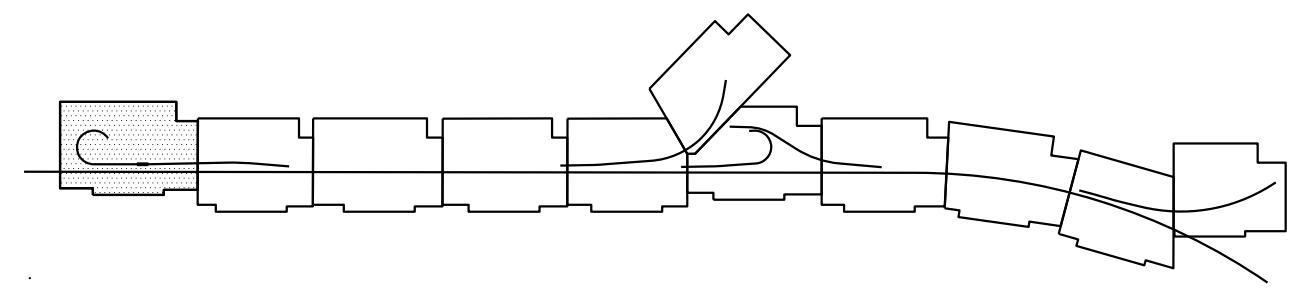
DETAIL 9M

**LEGEND**

- ⬡ No. TRAFFIC STRIPE DETAIL NUMBER
- ⬡ LL LIMIT LINE
- ⬡ G DELINEATOR (CLASS 1) - TYPE G
- ⬡ F DELINEATOR (CLASS 1) - TYPE F
- s= DELINEATOR SPACING
- ➔ TYPE I ARROW
- ➔ TYPE III ARROW
- ➔ TYPE III (B) ARROW
- ➔ TYPE V ARROW
- S "SIGNAL" PAVEMENT MARKING
- A "AHEAD" PAVEMENT MARKING
- H "HOV" PAVEMENT MARKING
- L "LANE" PAVEMENT MARKING
- SO "SOUTH" PAVEMENT MARKING
- HW "HWY" PAVEMENT MARKING
- 65 "65" PAVEMENT MARKING
- ⚡ CHANGE OF TRAFFIC STRIPE DETAIL



MATCH LINE "A5" 163+50 SEE SHEET PD-2



KEYMAP

**PAVEMENT DELINEATION PLAN**  
SCALE: 1"=50'  
**PD-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR
Et Caltrans	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG
	CHECKED BY	DATE	DATE

USERNAME => sleung  
DGN FILE => 031F1701na001.dgn



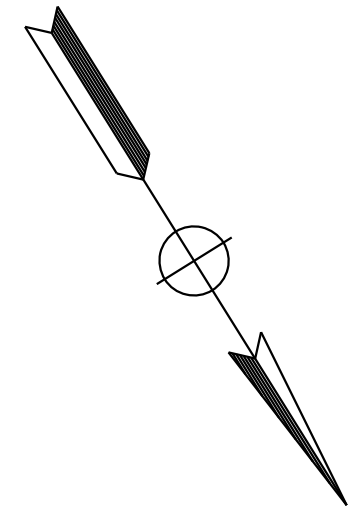
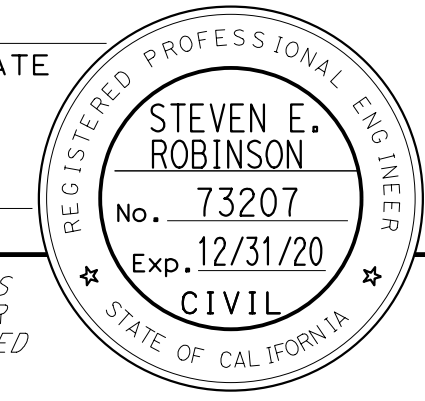
UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

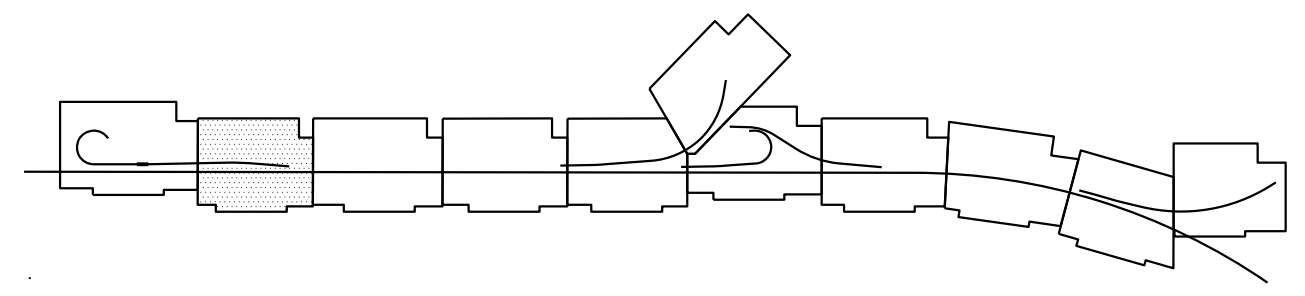
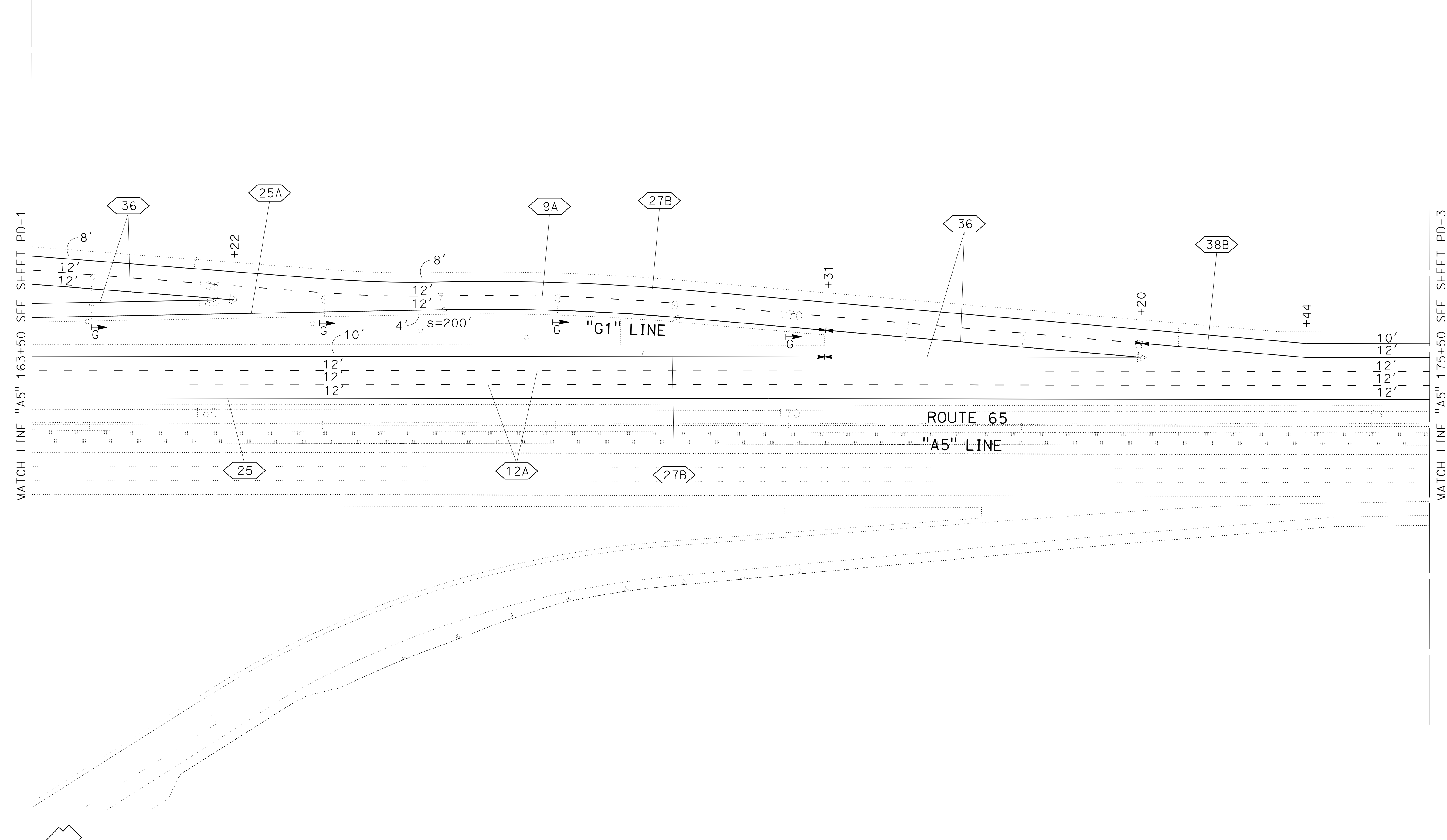
BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020  
00-00-00 TIME PLOTTED => 16:47

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	148	230
REGISTERED CIVIL ENGINEER		DATE			
PLANS APPROVAL DATE					
<small>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.</small>					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816		



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Et Caltrans®	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	STEVEN ROBINSON	STEVEN LEUNG
			CHECKED BY	REVISOR	DATE
				STEVEN ROBINSON	STEVEN LEUNG



**KEYMAP**

**PAVEMENT DELINEATION PLAN**  
 SCALE: 1"=50'  
**PD-2**

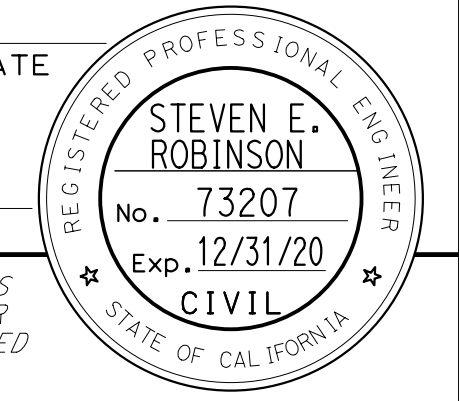
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 00-00-00 TIME PLOTTED => 16:47

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	149	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

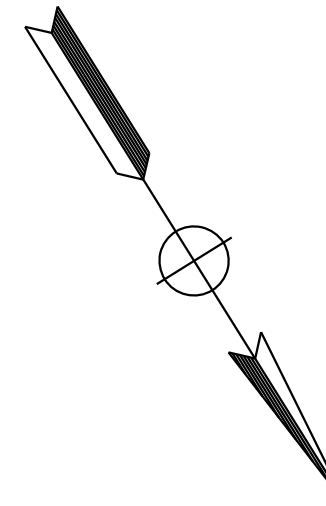
PLANS APPROVAL DATE \_\_\_\_\_

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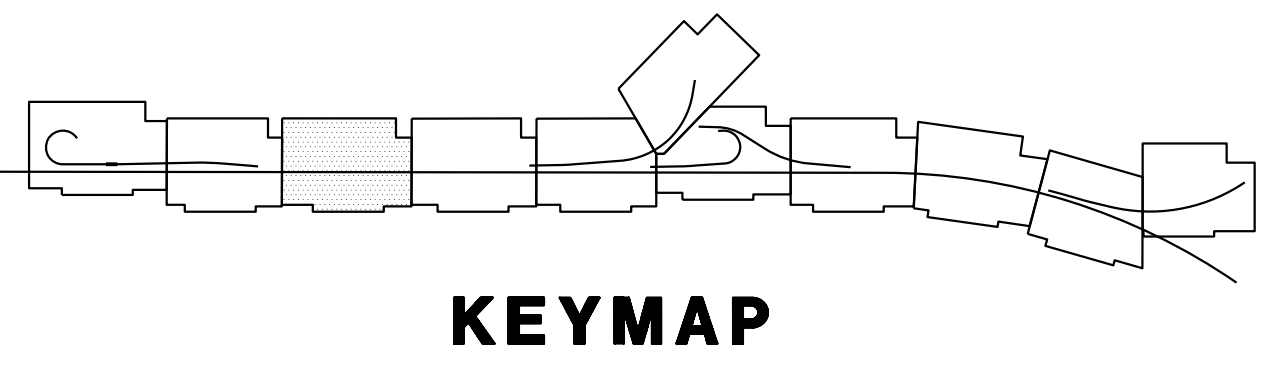
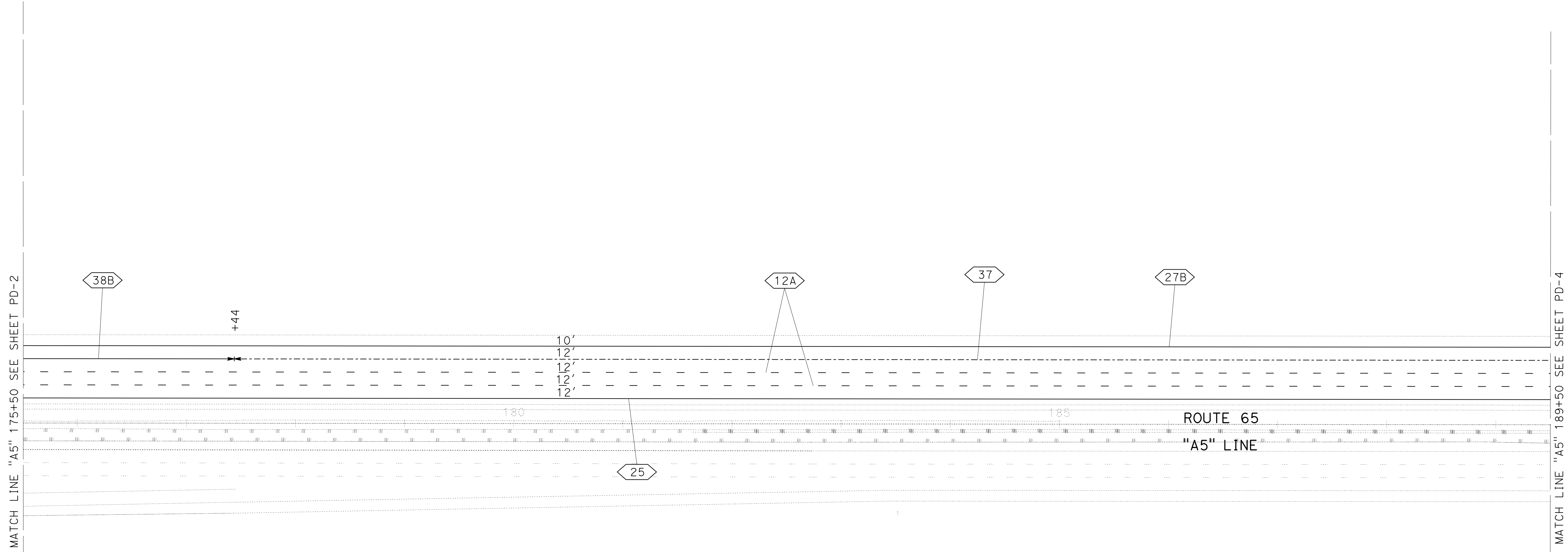


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SACRAMENTO, CA 95816



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Et Caltrans	MARK RAYBACK		CHECKED BY	STEVEN ROBINSON	
			CHECKED BY	STEVEN LEUNG	



**PAVEMENT DELINEATION PLAN**  
SCALE: 1"=50'  
**PD-3**

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:47



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: MARK RAYBACK  
 CALCULATED/DESIGNED BY: STEVEN ROBINSON  
 CHECKED BY: STEVEN LEUNG  
 REVISED BY: STEVEN ROBINSON  
 DATE REVISED: [ ]

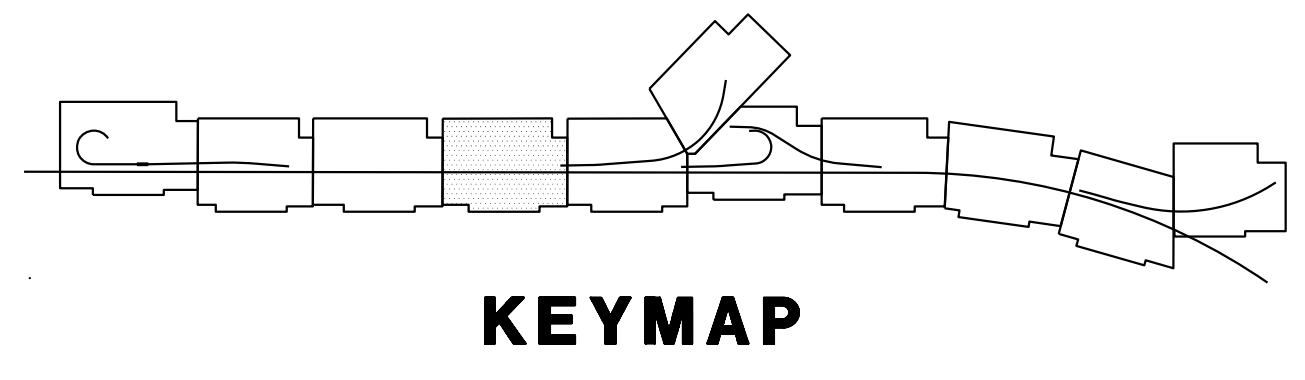
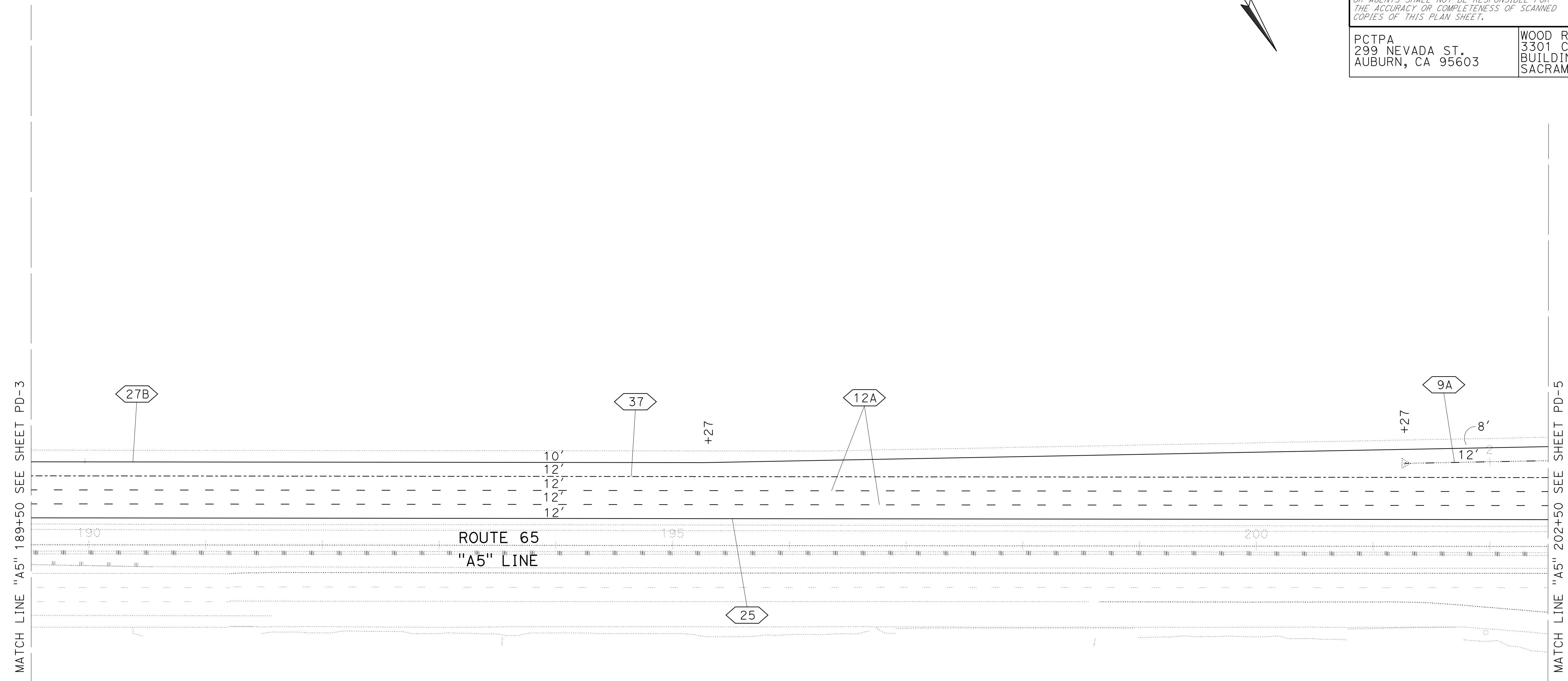
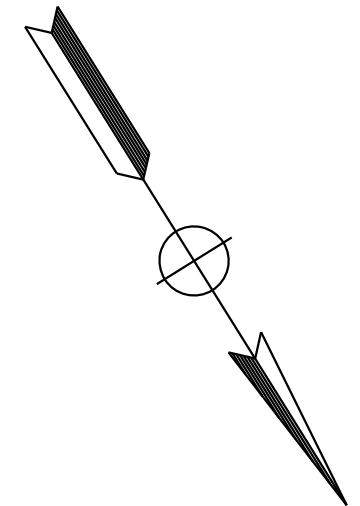
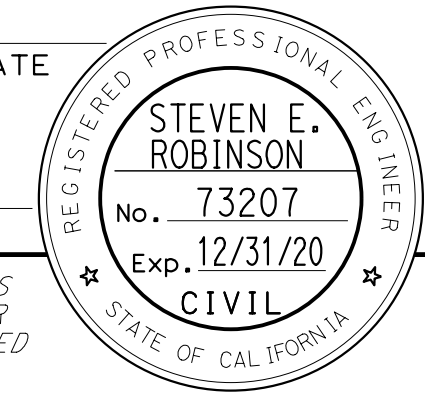
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	150	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

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 SACRAMENTO, CA 95816

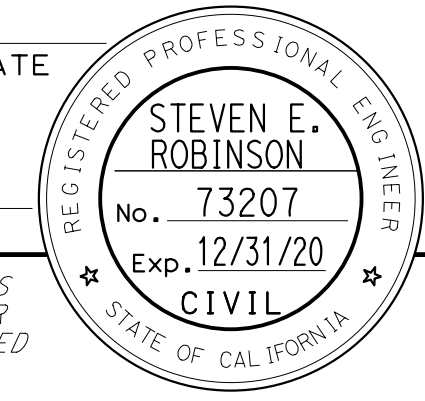


**PAVEMENT DELINEATION PLAN**  
 SCALE: 1"=50'  
**PD-4**

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:47

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	151	230

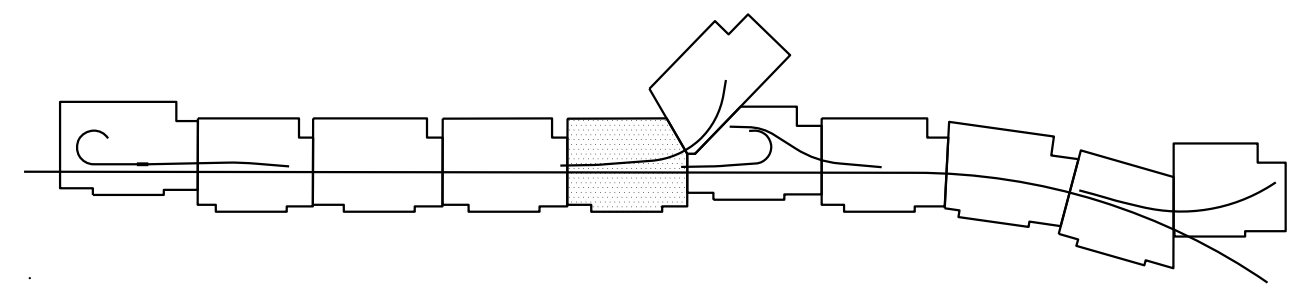
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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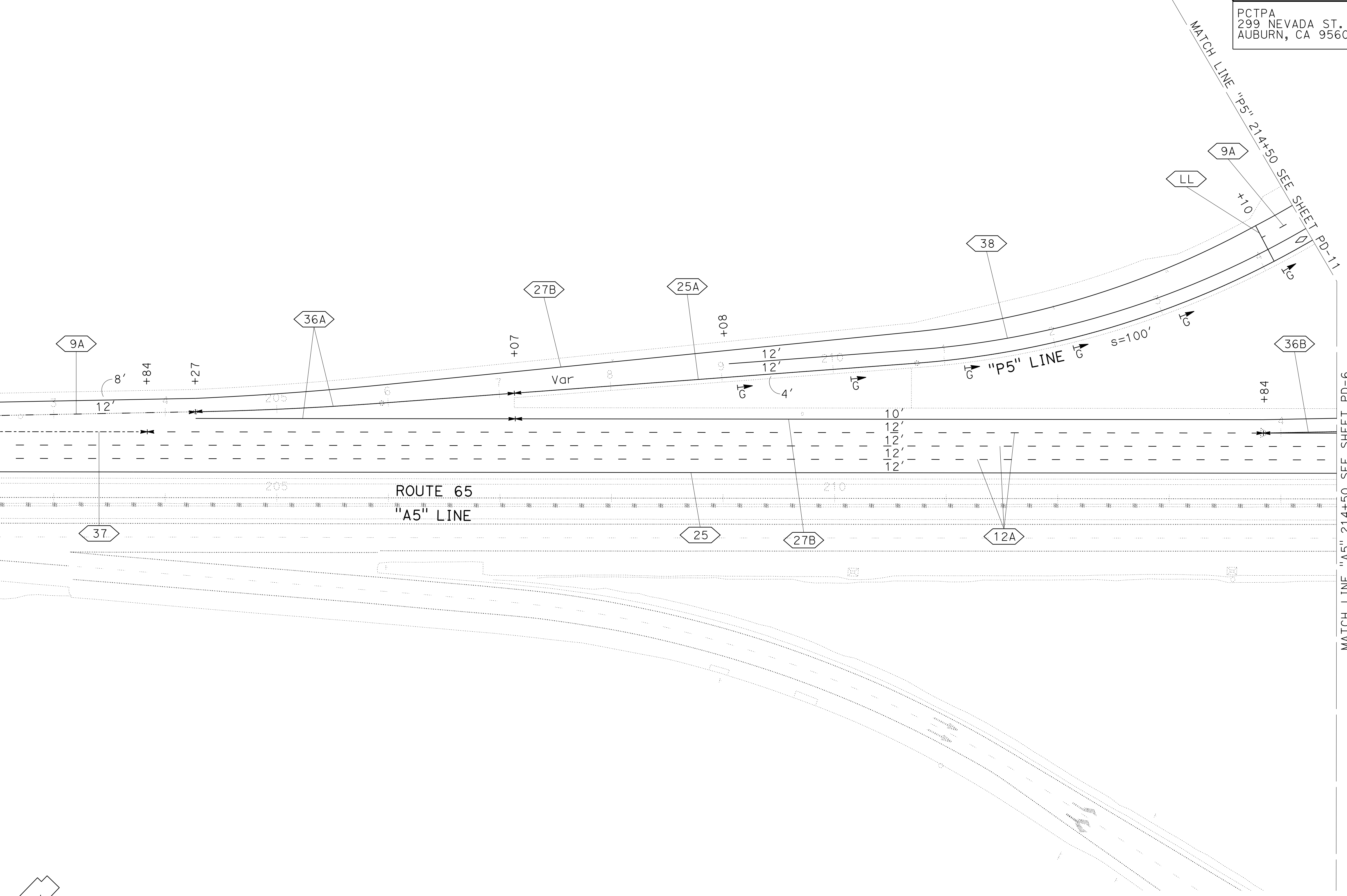
PCTPA  
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 AUBURN, CA 95603

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 BUILDING 100B  
 SACRAMENTO, CA 95816

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	MARK RAYBACK	DESIGNED BY	STEVEN ROBINSON
		CHECKED BY	STEVEN LEUNG
			DATE REVISOR



MATCH LINE "A5" 202+50 SEE SHEET PD-4

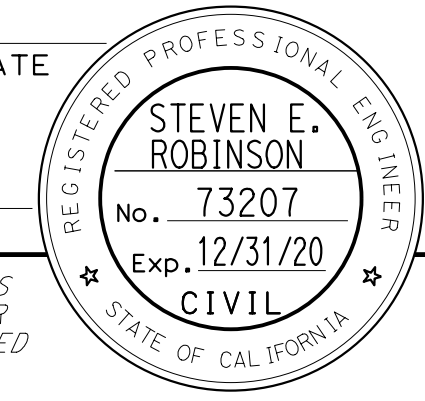


**PAVEMENT DELINEATION PLAN**  
 SCALE: 1"=50'  
**PD-5**

LAST REVISION DATE PLOTTED => 13-JUL-2020  
 00-00-00 TIME PLOTTED => 16:47

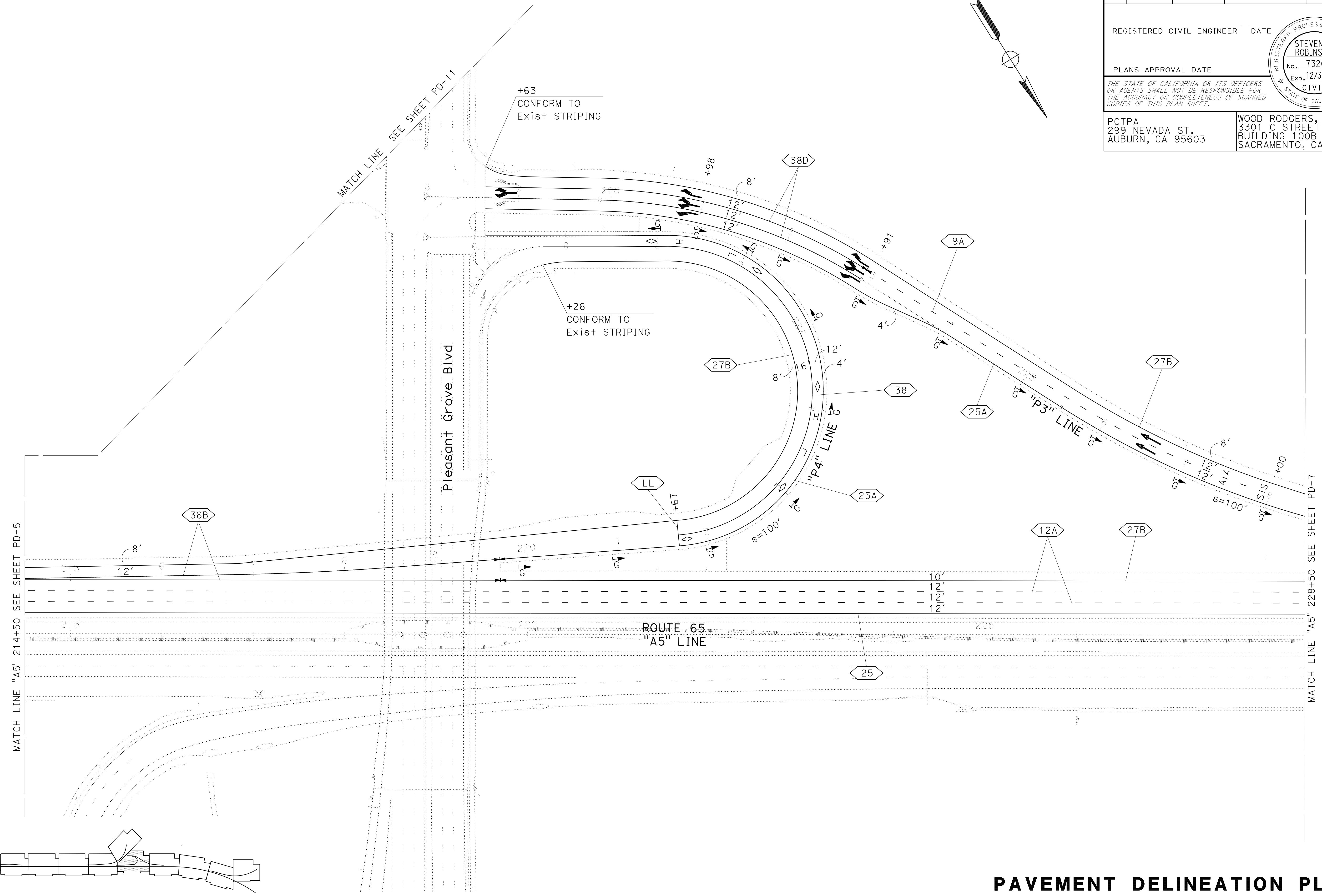
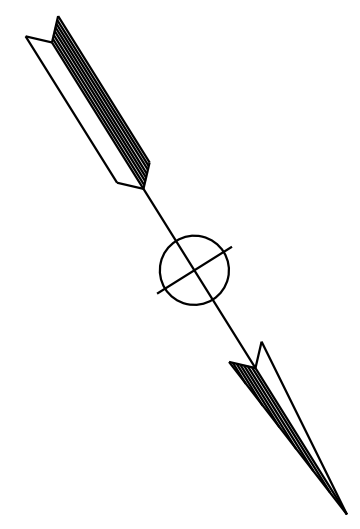
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	152	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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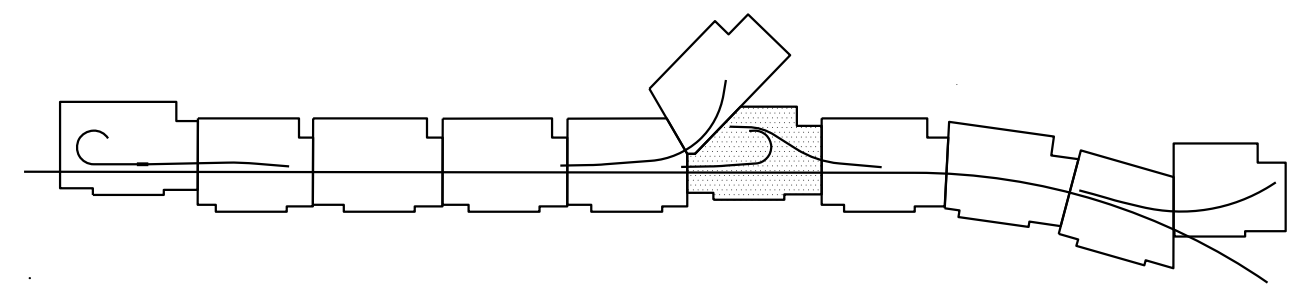
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WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

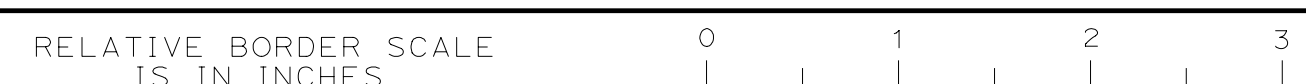


STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR	DATE
<b>Caltrans</b>	MARK RAYBACK	CHECKED BY	STEVEN ROBINSON	STEVEN LEUNG
			REVISOR	DATE
			STEVEN ROBINSON	STEVEN LEUNG

**KEYMAP**



USERNAME => sleung  
 DGN FILE => 031F1701na006.dgn



UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

**PAVEMENT DELINEATION PLAN**  
**PD-6**

LAST REVISION DATE PLOTTED => 13-JUL-2020  
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: MARK RAYBACK  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 STEVEN ROBINSON  
 REVISOR: STEVEN LEUNG  
 DATE: DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	153	230

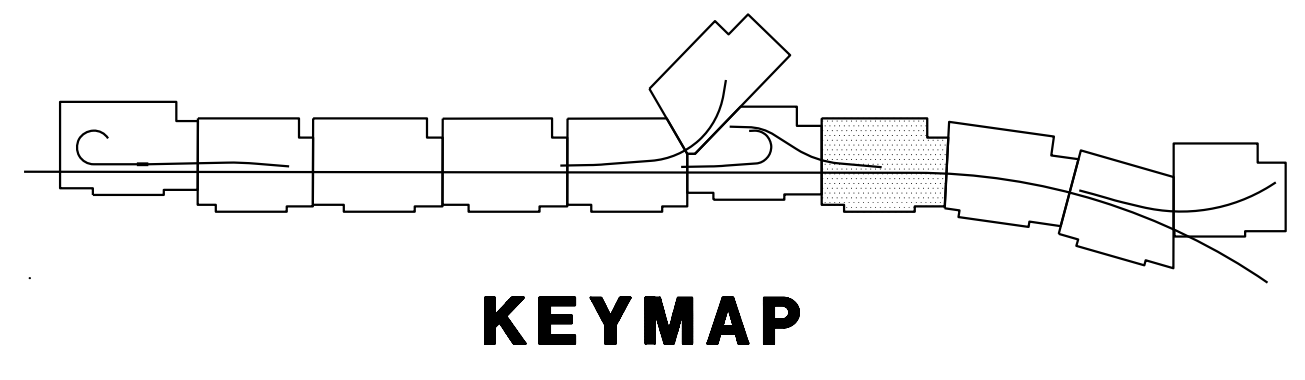
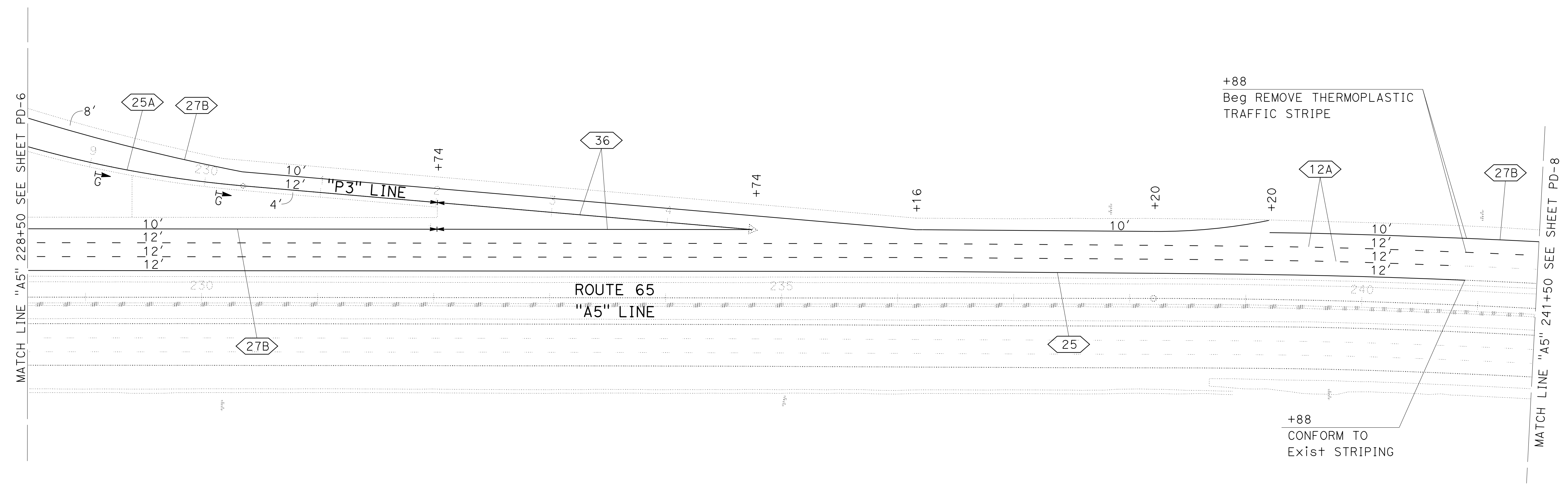
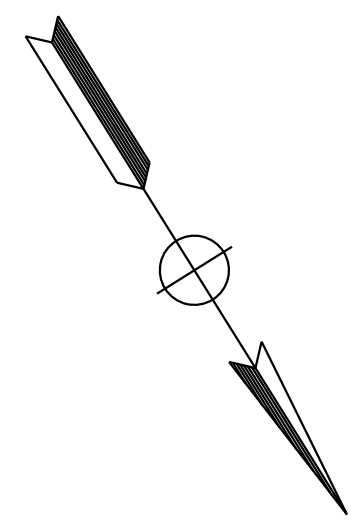
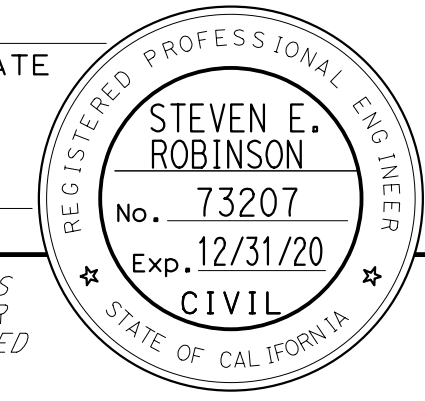
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PLANS APPROVAL DATE

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SACRAMENTO, CA 95816

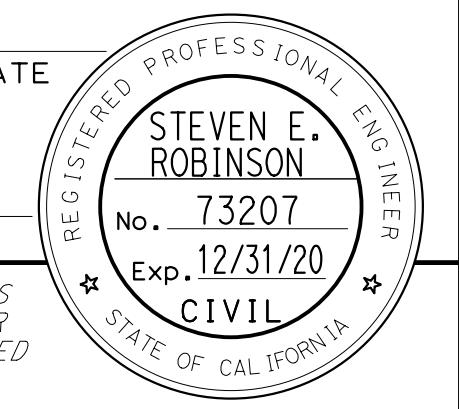


**PAVEMENT DELINEATION PLAN**  
 SCALE: 1"=50'  
**PD-7**

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	154	230

REGISTERED CIVIL ENGINEER DATE

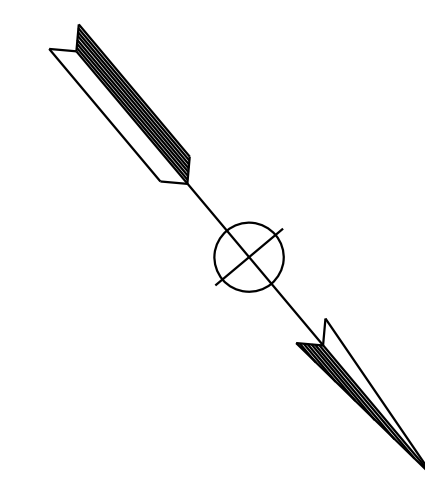


PLANS APPROVAL DATE

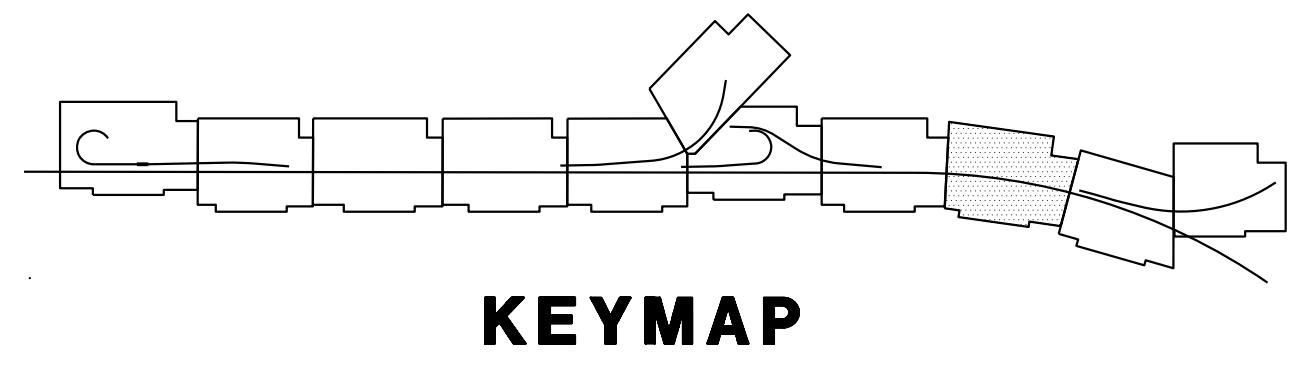
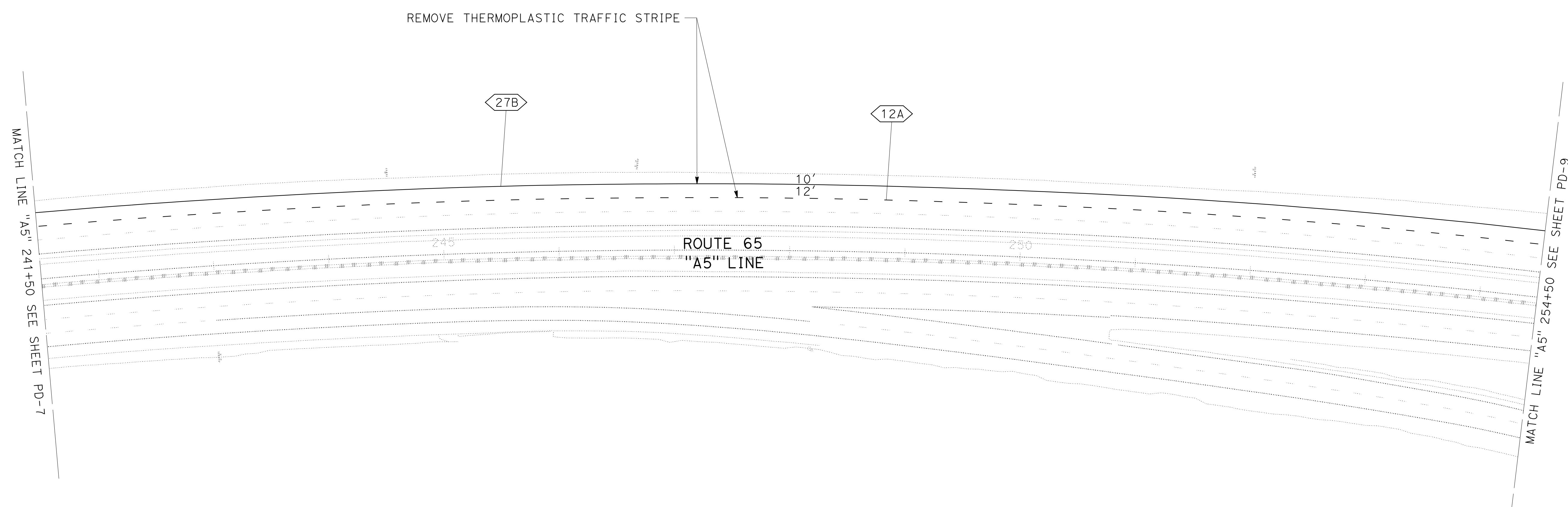
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SACRAMENTO, CA 95816



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	STEVEN ROBINSON	
			CHECKED BY	DATE	REVISED BY



**PAVEMENT DELINEATION PLAN**  
SCALE: 1"=50'  
**PD-8**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	155	230

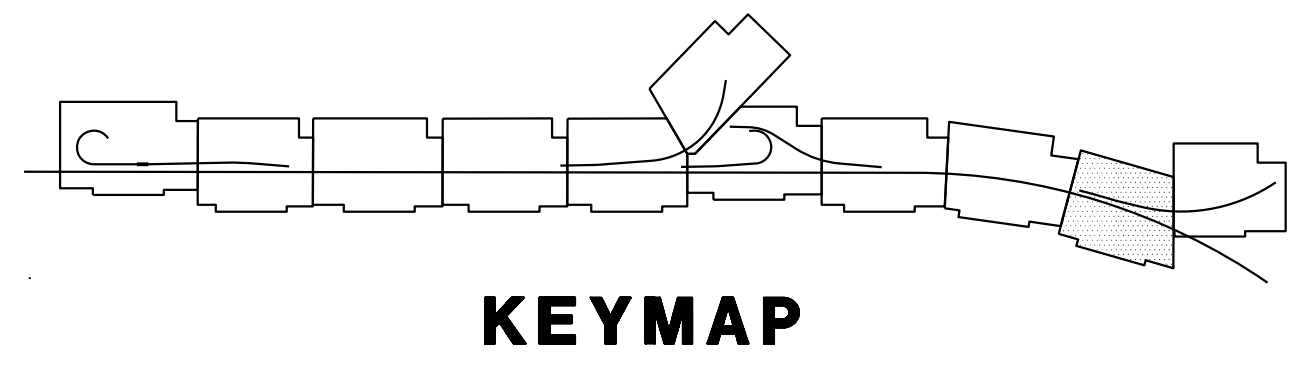
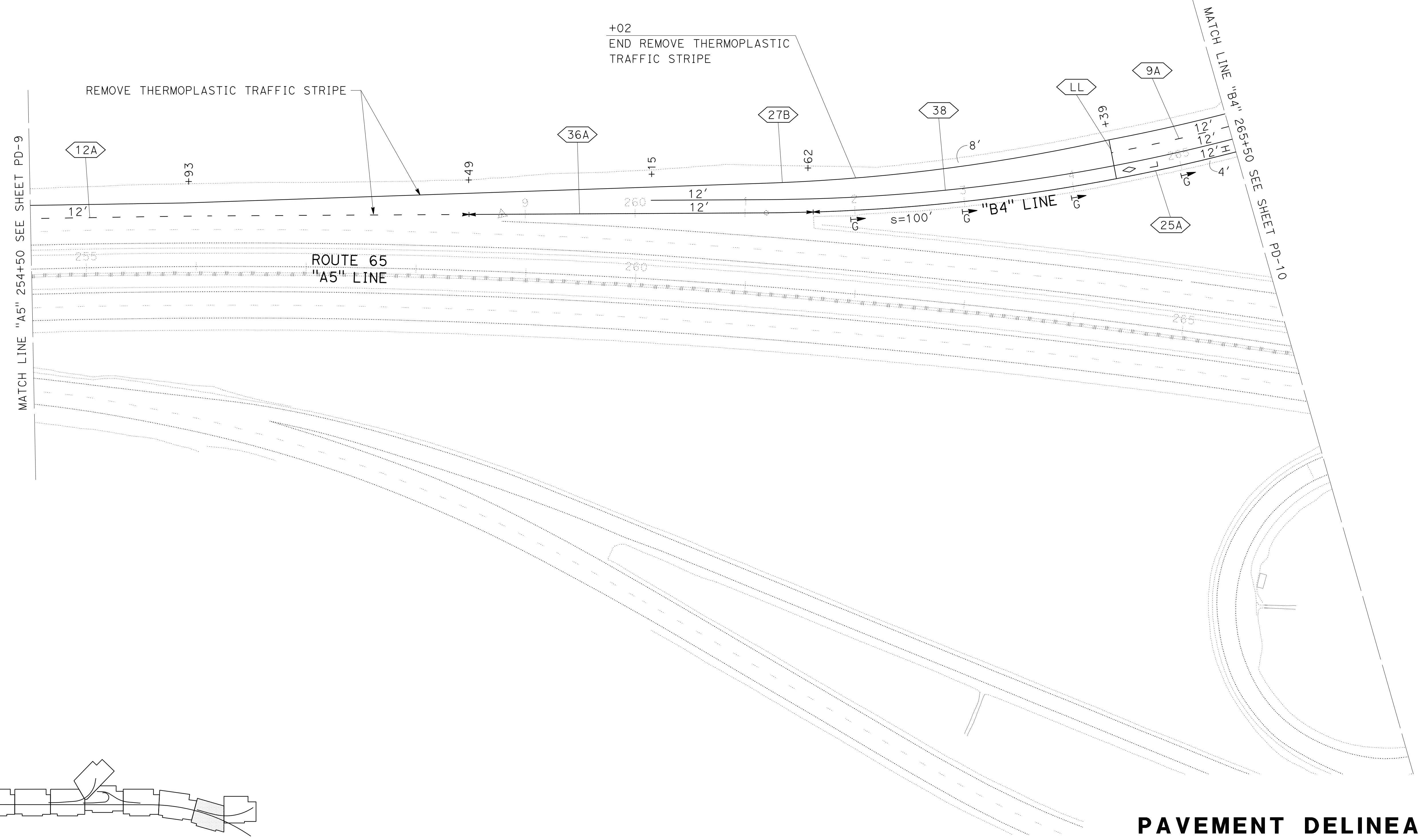
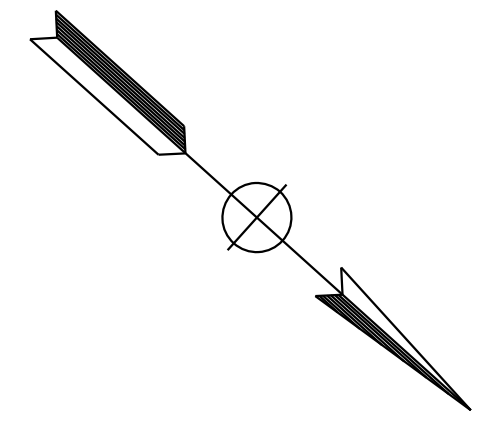
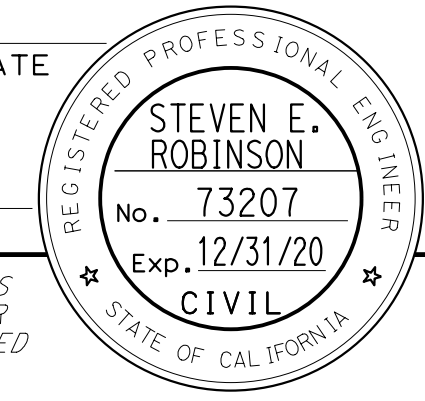
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



**PAVEMENT DELINEATION PLAN**  
SCALE: 1"=50'  
**PD-9**

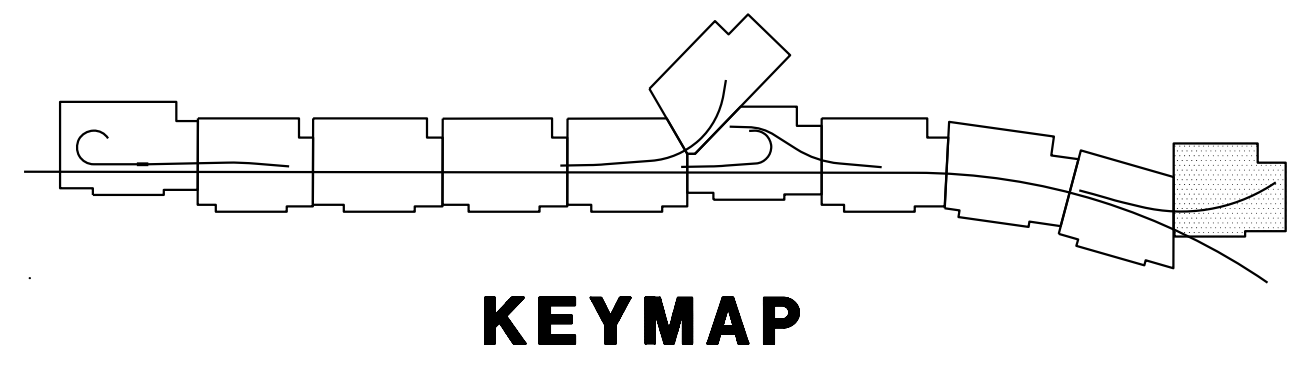
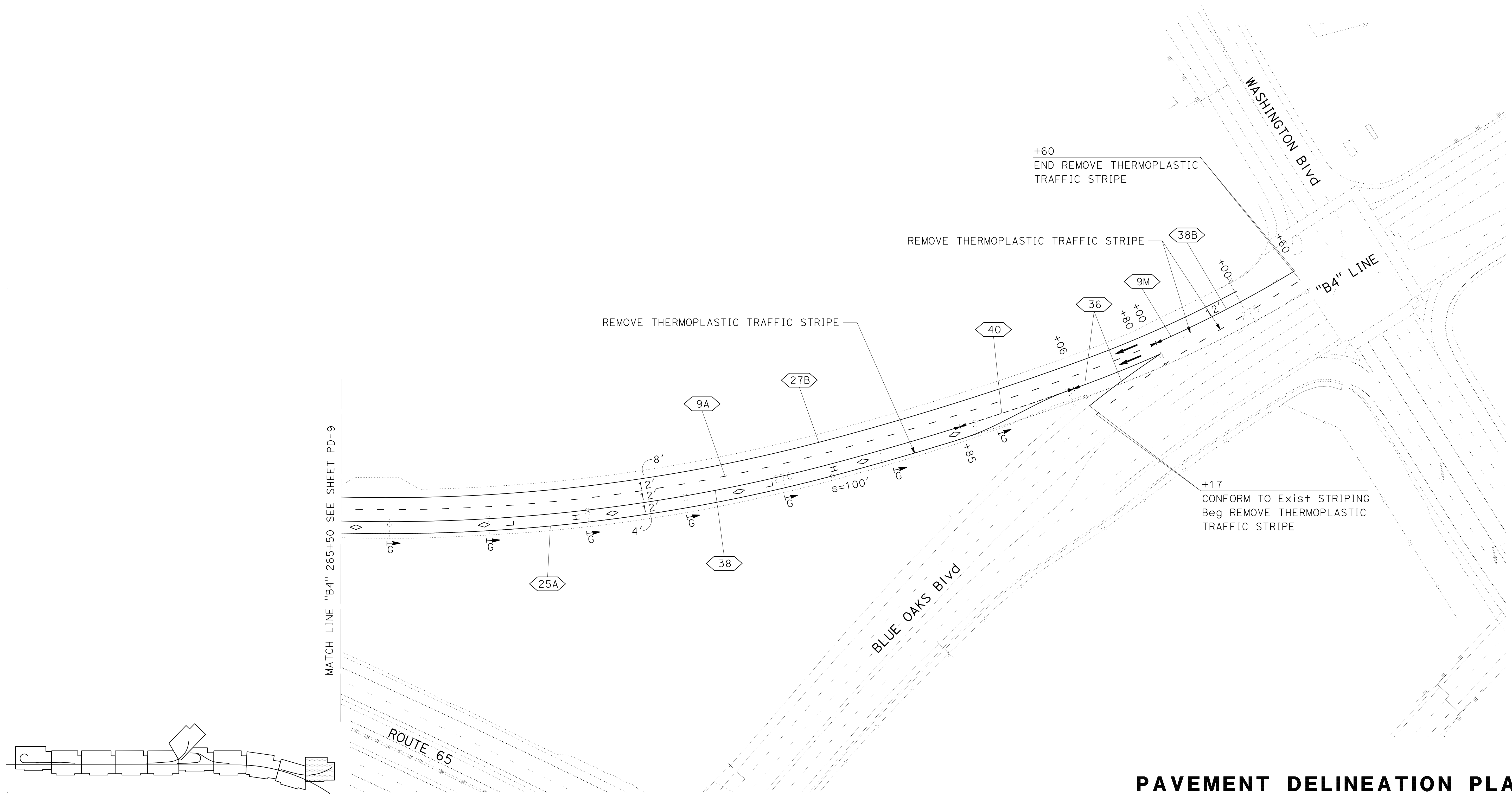
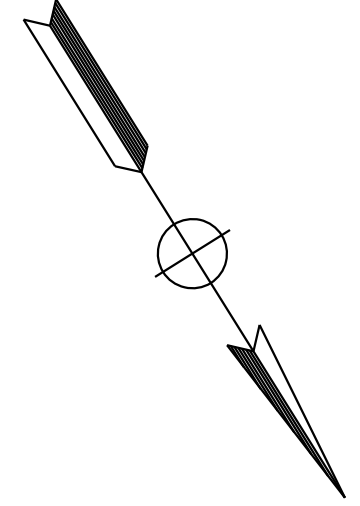
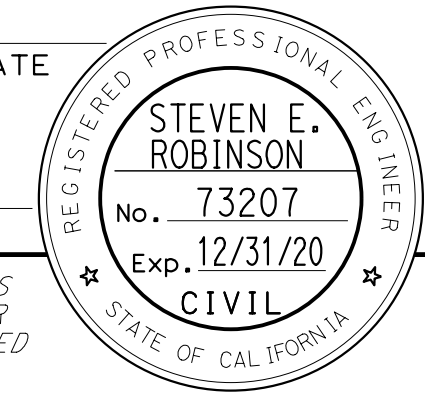
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	STEVEN ROBINSON	
			CHECKED BY	DATE	REVISOR
				STEVEN LEUNG	

LAST REVISION DATE PLOTTED => 13-JUL-2020  
00-00-00 TIME PLOTTED => 16:47



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
<b>Caltrans</b>	MARK RAYBACK	CHECKED BY	STEVEN ROBINSON
			STEVEN LEUNG
			DATE
			REVISOR
			DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	156	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
<small>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.</small>					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816		



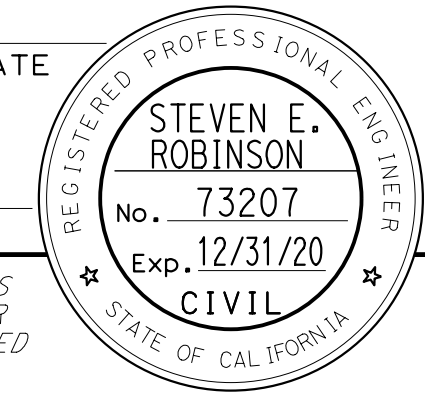
**PAVEMENT DELINEATION PLAN**  
 SCALE: 1"=50'  
**PD-10**

LAST REVISION DATE PLOTTED => 13-JUL-2020  
 00-00-00 TIME PLOTTED => 16:47



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	157	230

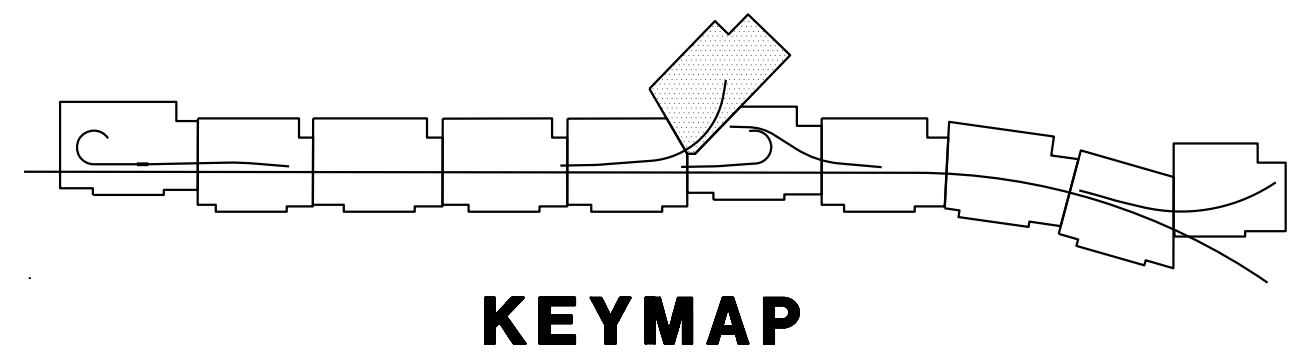
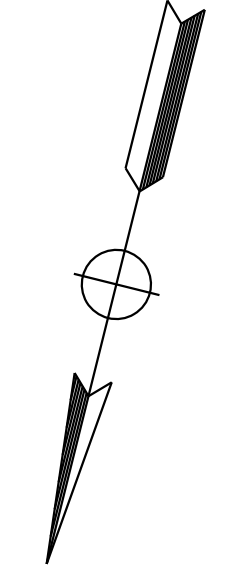
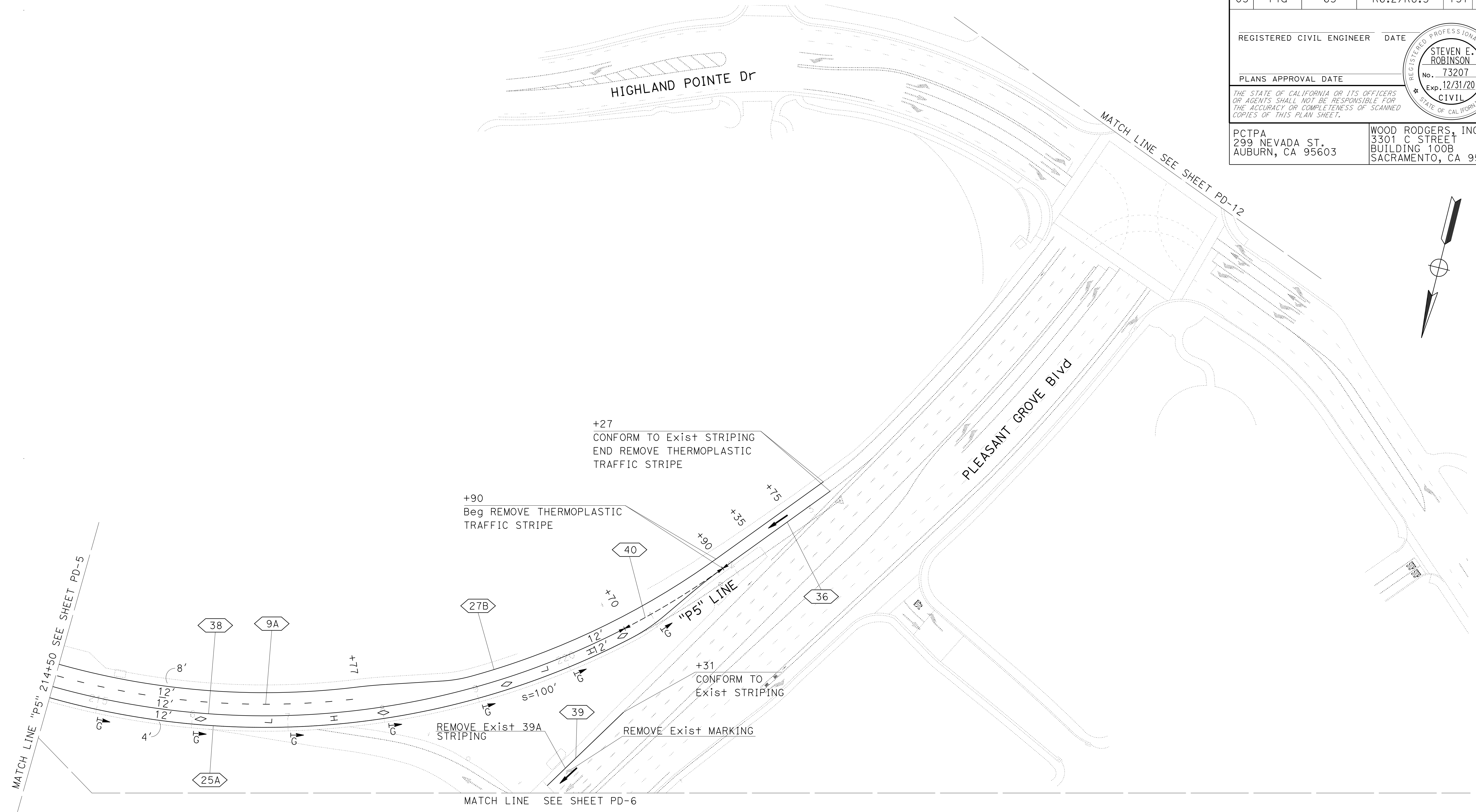
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



PCTPA  
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 AUBURN, CA 95603

WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR
Et Caltrans®	MARK RAYBACK	STEVEN ROBINSON	STEVEN ROBINSON
		CHECKED BY	DATE REVISED
		STEVEN LEUNG	



**PAVEMENT DELINEATION PLAN**  
 SCALE: 1"=50'  
**PD-11**

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:47

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT - FUNCTIONAL SUPERVISOR: MARK RAYBACK  
 CALCULATED/DESIGNED BY: STEVEN ROBINSON  
 CHECKED BY: STEVEN LEUNG  
 REVISED BY: STEVEN ROBINSON  
 DATE REVISED: STEVEN LEUNG

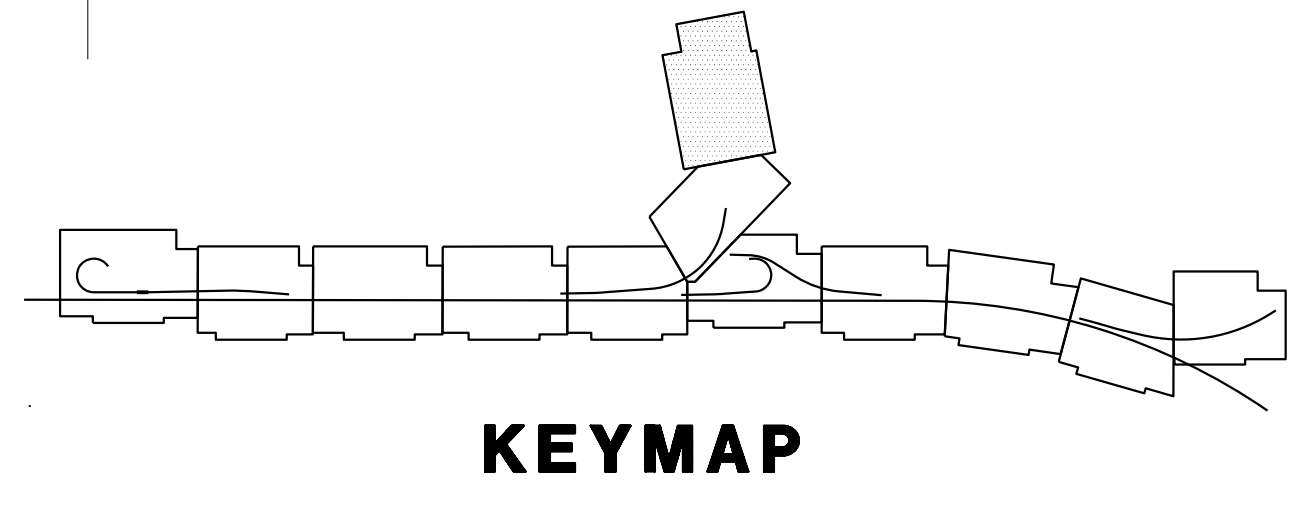
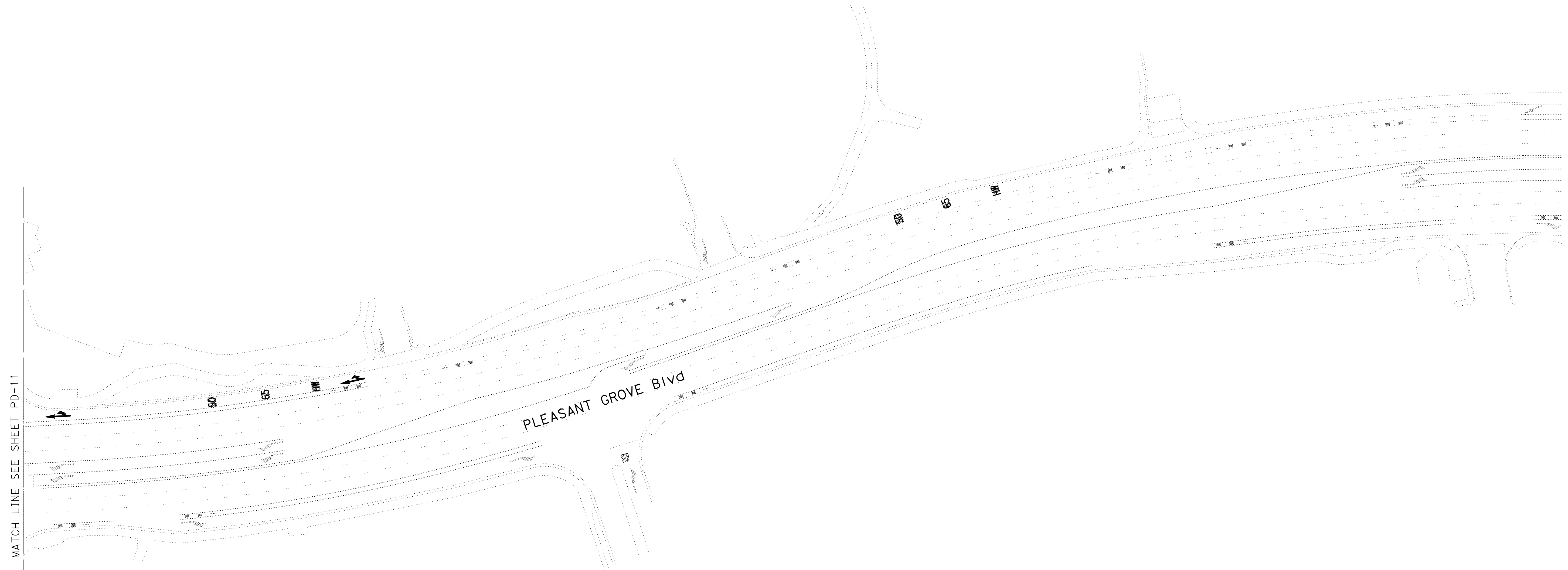
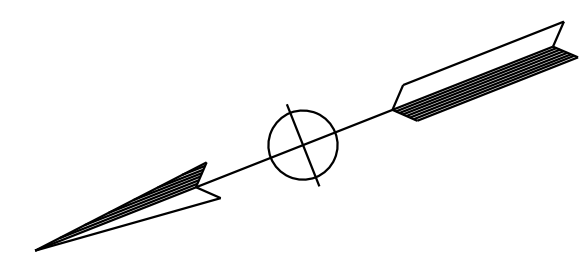
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	158	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_

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**PAVEMENT DELINEATION PLAN**  
 SCALE: 1"=50'  
**PD-12**

LAST REVISION DATE PLOTTED => 13-JUL-2020  
 00-00-00 TIME PLOTTED => 16:47

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	159	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

STEVEN E. ROBINSON  
No. 73207  
Exp. 12/31/20  
CIVIL

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3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

**NOTES:**

1. STATIONS ARE APPROXIMATE. EXACT LOCATION (START AND END) OF STRIPING DETAILS TO BE DETERMINED BY THE ENGINEER.
2. ALL CROSSWALKS ARE 1'-0" BASIC CROSSWALKS.

**ABBREVIATION:**

EWNV - ENHANCED WET NIGHT VISIBILITY

**PAVEMENT DELINEATION QUANTITIES**

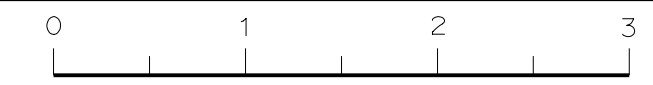
SHEET NO.	THERMOPLASTIC TRAFFIC STRIPE (EWNV)														COMMENTS
	4"			6"					8"						
	DETAIL 9M	DETAIL 25	DETAIL 25A	DETAIL 27B	DETAIL 39	DETAIL 9A	DETAIL 12	DETAIL 40	DETAIL 36	DETAIL 36B	DETAIL 38	DETAIL 38B	DETAIL 38D	DETAIL 37	
	BROKEN (17-7)	SOLID	SOLID	SOLID	SOLID	BROKEN (17-7)	BROKEN (36-12)	BROKEN (6-1)	SOLID	SOLID	SOLID	SOLID	SOLID	BROKEN (12-3)	
	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	
PD-1		615	931	1531		760	1193		262						
PD-2		1200	682	1884		951	2505		1776			142			
PD-3		1400		1400			2799					194		1206	
PD-4		1300		1300			2599		496					1300	
PD-5		1200	737	1884		39	3400		2116	538				134	
PD-6		1400	1892	3151		507	2800		2082	621		862			
PD-7		1222	358	1659			2526		1088						
PD-8				1312			1310								
PD-9			390	1094		110	141		628	535					
PD-10	245		755	930		839		120	366		631	157			
PD-11			742	851	110	317		120	274		611				
<b>SUB-TOTAL</b>	245	8337	6487	16996	110	3523	18773	240	3766	5322	2859	493	862	2640	
<b>TOTAL</b>	245			31930		3523	18773	240			13302			2640	

**DELINEATOR QUANTITIES**

	DELINEATOR (CLASS 1) - TYPE G	DELINEATOR (CLASS 1) - TYPE F
	EA	EA
	49	3
<b>TOTAL</b>	52	

**PAVEMENT DELINEATION QUANTITIES PDQ-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans®  
 CONSULTANT - FUNCTIONAL SUPERVISOR  
 MARK RAYBACK  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 STEVEN ROBINSON  
 STEVEN LEUNG  
 REVISED BY  
 DATE REVISED



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	160	230

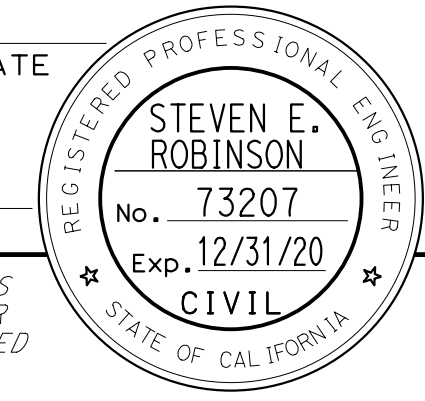
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



**NOTES:**

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**PAVEMENT DELINEATION QUANTITIES (CONTINUED)**

SHEET NO.	THERMOPLASTIC PAVEMENT MARKING (EWNV)			PAVEMENT MARKER (RETROREFLECTIVE)					COMMENTS
	LIMIT LINE/ CROSSWALK	ARROW	WORD	TYPE C	TYPE D	TYPE G	TYPE H	TYPE R	
	SQFT	SQFT	SQFT	EA	EA	EA	EA		
PD-1		66	126		34	16	50	22	
PD-2		66		12	129	20	55		
PD-3				26	59	82	30		
PD-4				8	55	99	28		
PD-5	24		11	8	71	79	57		
PD-6	28	392	265	26	59	78	98	22	
PD-7					99		41		
PD-8					28				
PD-9	24		53		3	40	17		
PD-10		62	150	14	16	50	32		
PD-11		31	170		12	33	31		
PD-12		45	139						
<b>SUB-TOTAL</b>	76	662	914	104	568	500	452	44	
<b>TOTAL</b>		1652				1668			

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
 CONSULTANT: FUNCTIONAL SUPERVISOR: MARK RAYBACK  
 CALCULATED/DESIGNED BY: CHECKED BY:  
 STEVEN ROBINSON STEVEN LEUNG  
 REVISED BY: DATE REVISED:

**PAVEMENT DELINEATION QUANTITIES  
 PDQ-2**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plc	65	R6.2/R8.3	161	230

REGISTERED CIVIL ENGINEER	DATE
STEVEN E. ROBINSON	
No. 73207	
Exp. 12/31/20	
CIVIL	

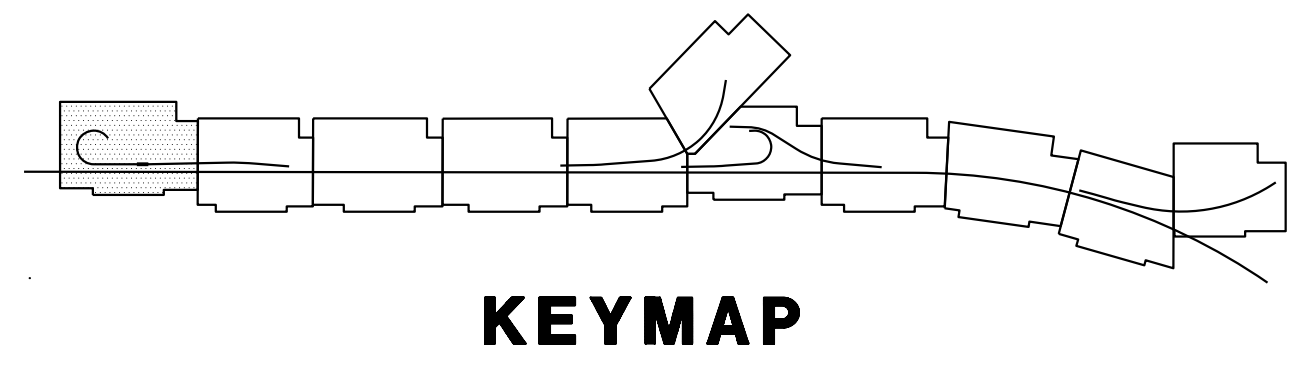
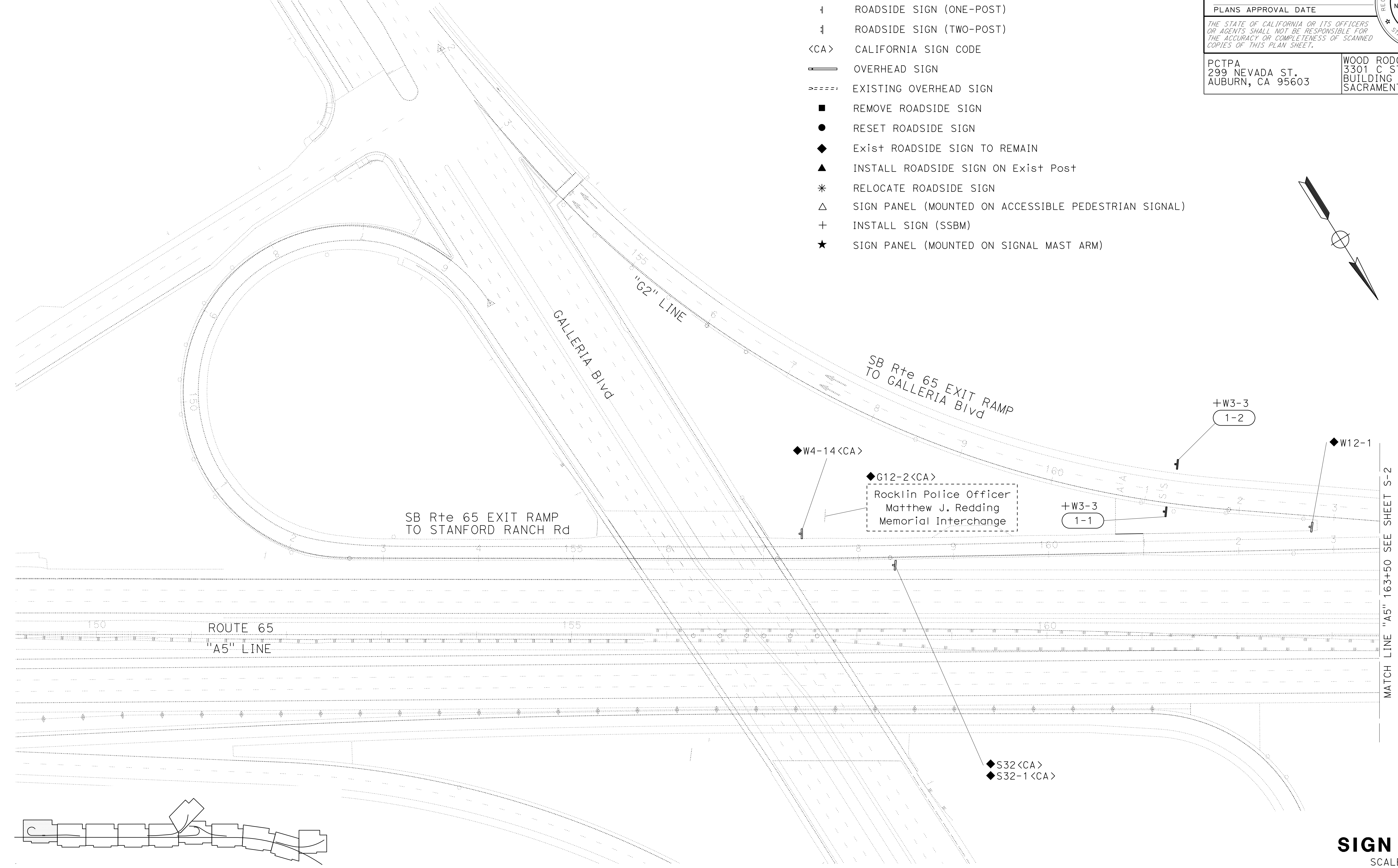
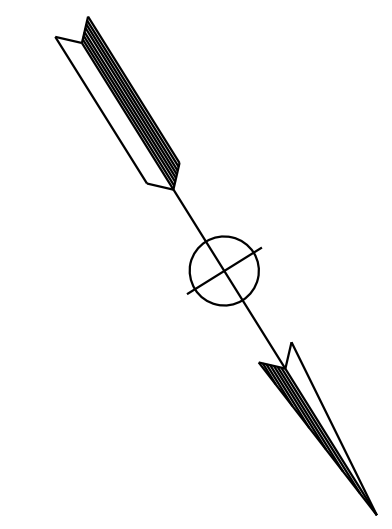
PCTPA 299 NEVADA ST. AUBURN, CA 95603	WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816
---	--

**NOTES:**

- ALL EXISTING SIGNS NOT SHOWN FOR REMOVAL, RESET, RELOCATION OR SALVAGE MUST REMAIN IN PLACE.
- ALL SIGNS DESIGNATIONS SHOWN ARE FEDERAL UNLESS OTHERWISE INDICATED AS A CALIFORNIA <CA> SIGN DESIGNATION.

**LEGEND**

- (X-X) ROADSIDE SIGN NUMBER
- (X-X) OVERHEAD SIGN NUMBER
- ↑ ROADSIDE SIGN (ONE-POST)
- ↓ ROADSIDE SIGN (TWO-POST)
- <CA> CALIFORNIA SIGN CODE
- OVERHEAD SIGN
- EXISTING OVERHEAD SIGN
- REMOVE ROADSIDE SIGN
- RESET ROADSIDE SIGN
- ◆ Exist ROADSIDE SIGN TO REMAIN
- ▲ INSTALL ROADSIDE SIGN ON Exist Post
- \* RELOCATE ROADSIDE SIGN
- △ SIGN PANEL (MOUNTED ON ACCESSIBLE PEDESTRIAN SIGNAL)
- + INSTALL SIGN (SSBM)
- ★ SIGN PANEL (MOUNTED ON SIGNAL MAST ARM)



APPROVED FOR SIGN WORK ONLY

**SIGN PLAN**  
SCALE: 1"=50'  
**S-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR	DATE
Caltrans	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	
	CHECKED BY	REVISOR	DATE	
		STEVEN LEUNG		

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:48

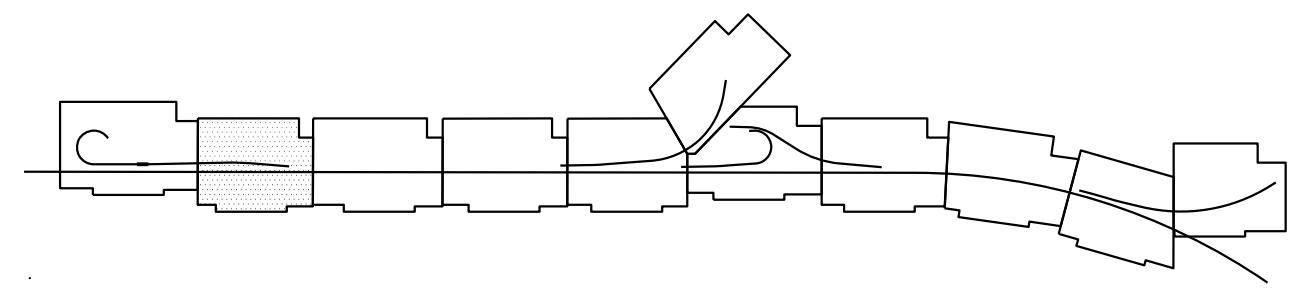
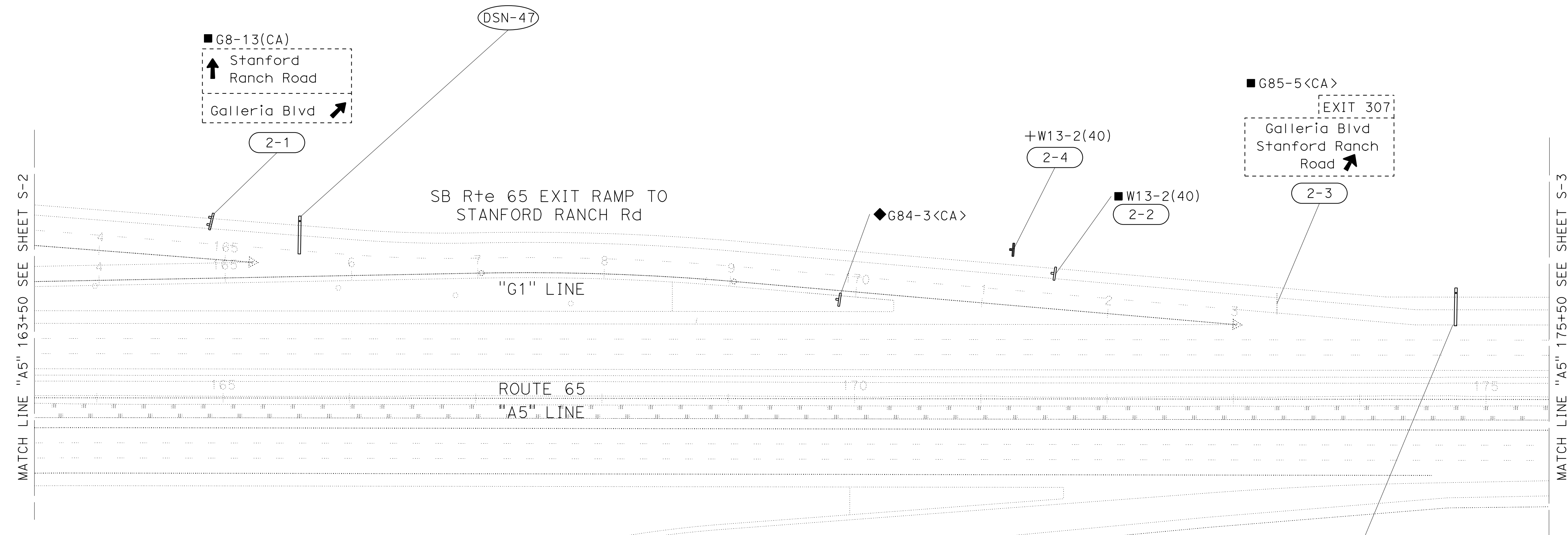
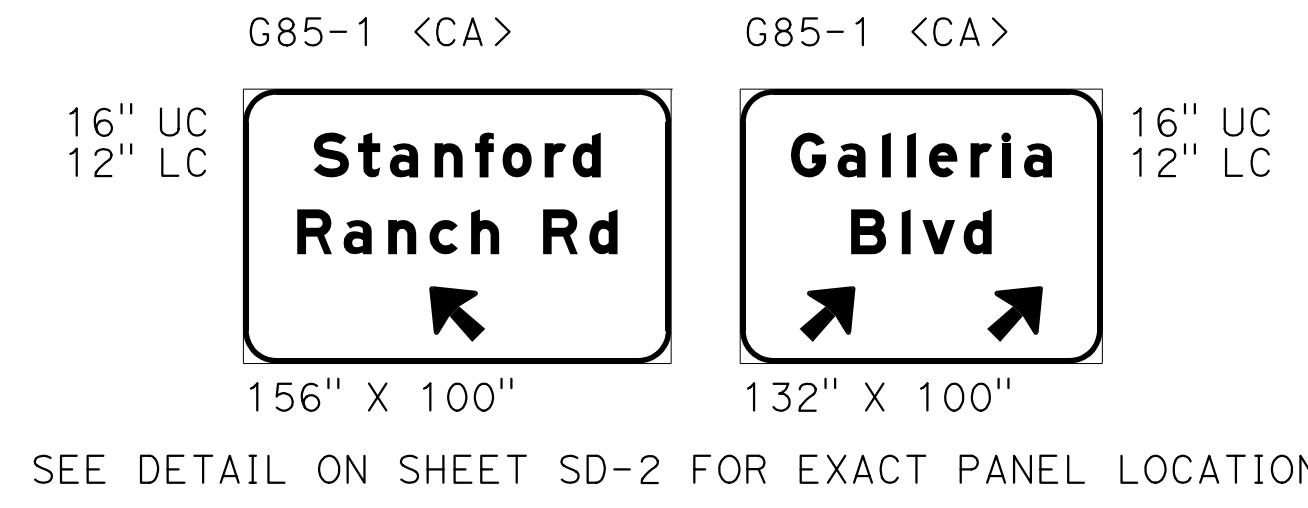
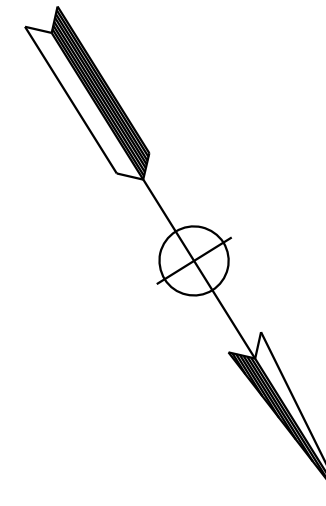
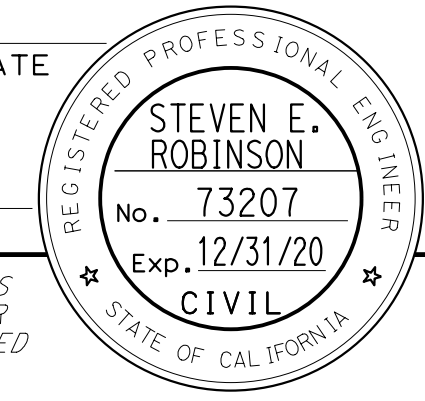
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R6.2/R8.3	162	230

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

PCTPA 299 NEVADA ST. AUBURN, CA 95603	WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816
---	--



**KEYMAP**

APPROVED FOR SIGN WORK ONLY

**SIGN PLAN**  
SCALE: 1"=50'  
**S-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT - FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
<b>Caltrans</b>	MARK RAYBACK	STEVEN ROBINSON	STEVEN ROBINSON
		CHECKED BY	DATE REVISED
		STEVEN LEUNG	

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:48

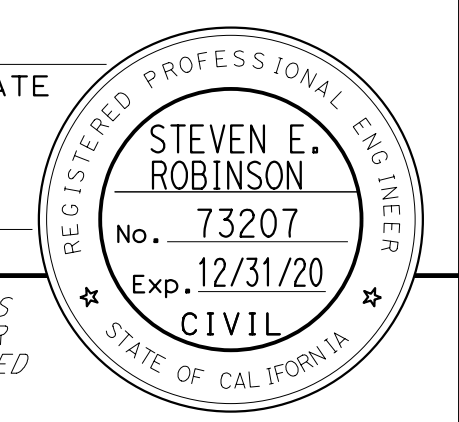


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	163	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

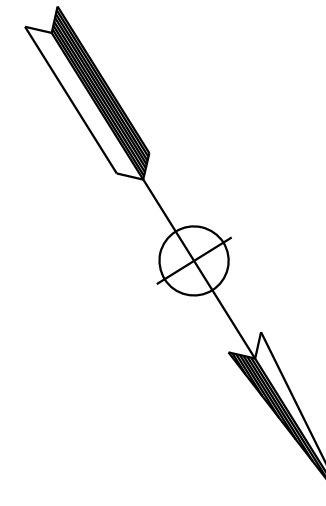
PLANS APPROVAL DATE \_\_\_\_\_

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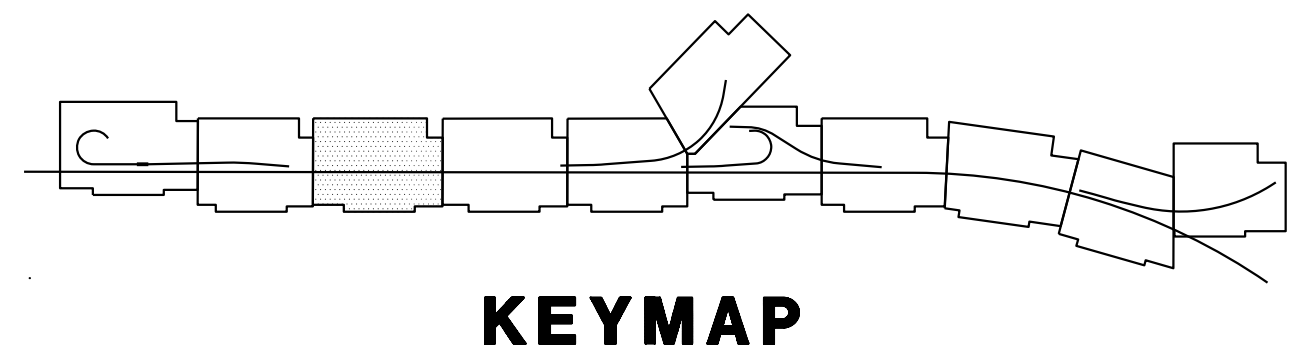
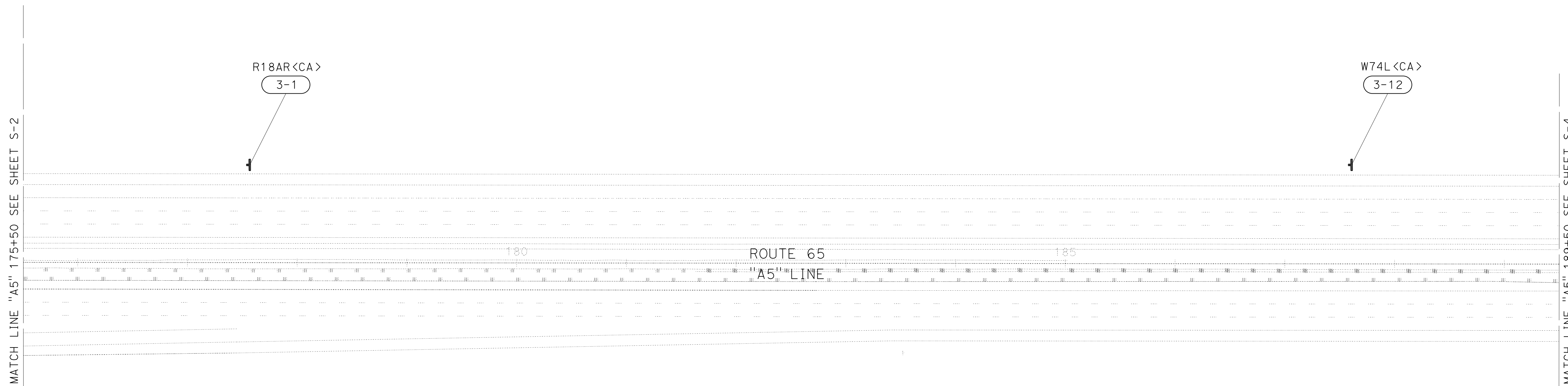


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AUBURN, CA 95603

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT - FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	REVISION
<b>Caltrans</b>	MARK RAYBACK	CHECKED BY	STEVEN ROBINSON	
			STEVEN LEUNG	



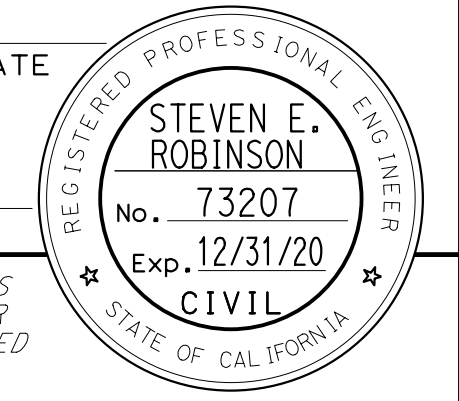
**SIGN PLAN**  
SCALE: 1"=50'  
**S-3**

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	164	230

REGISTERED CIVIL ENGINEER DATE

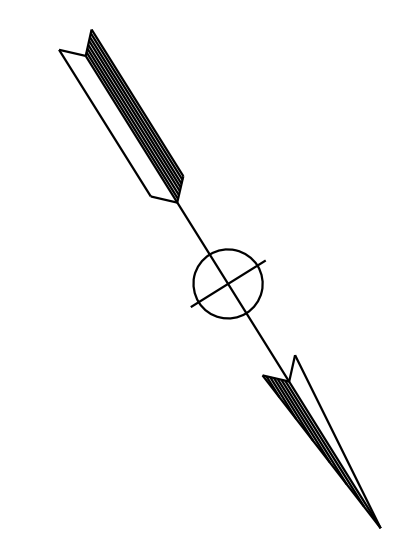


PLANS APPROVAL DATE

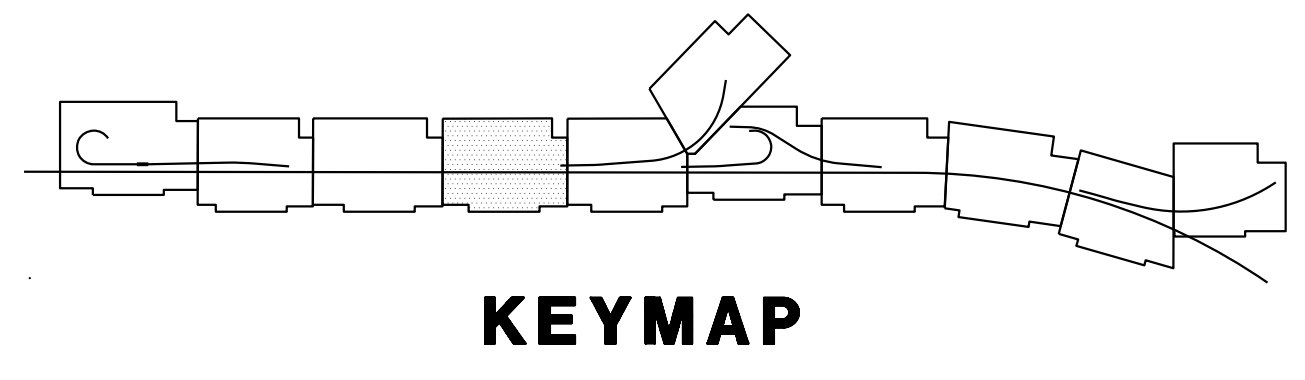
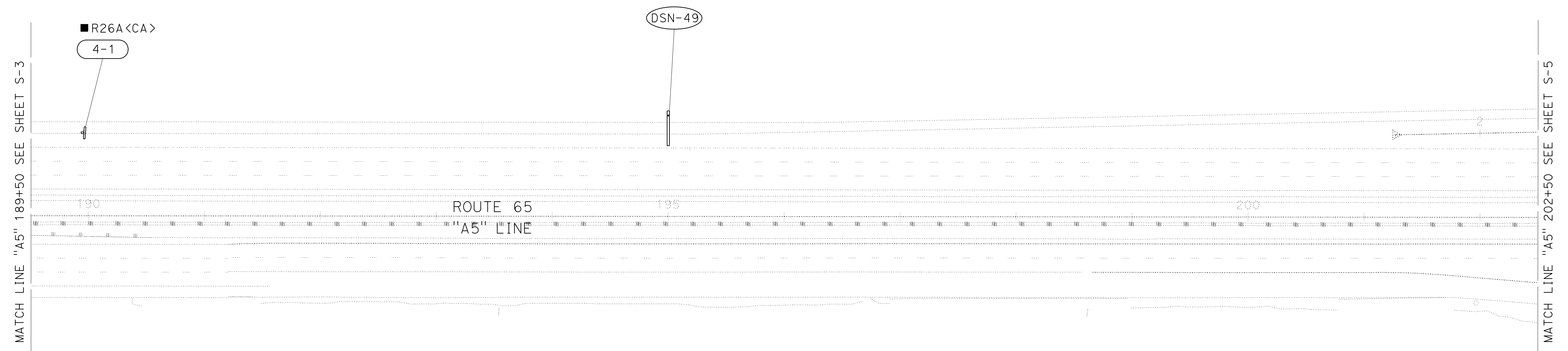
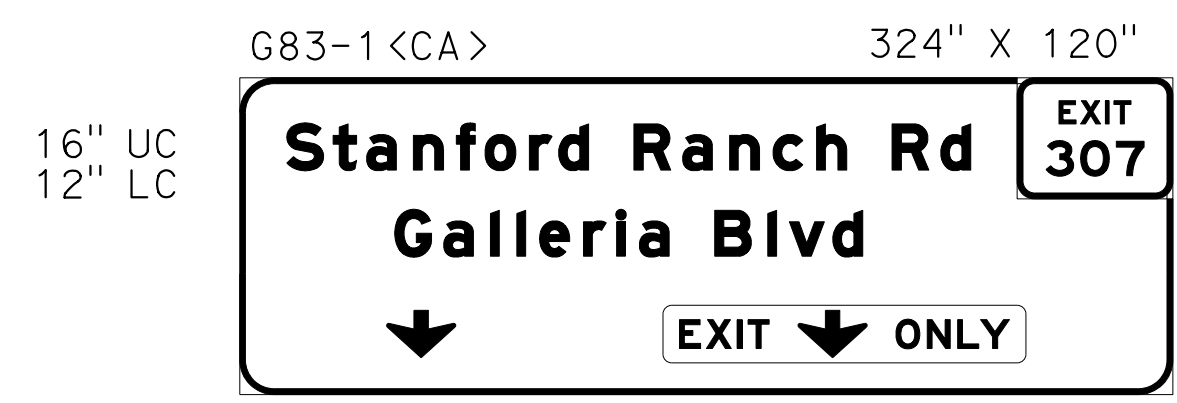
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SEE DETAIL ON SHEET SD-2 FOR EXACT PANEL LOCATION



**SIGN PLAN**  
SCALE: 1"=50'  
**S-4**

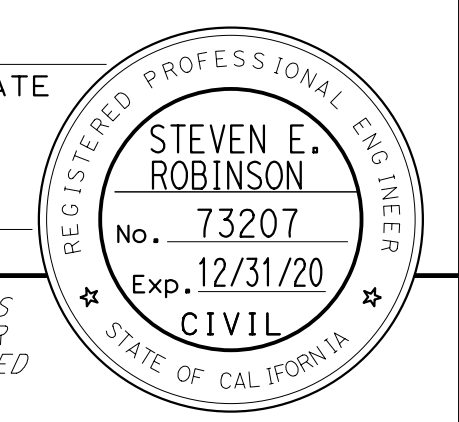
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
<b>Caltrans</b>	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	
	CHECKED BY	REVISOR	DATE	
		STEVEN ROBINSON		

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	165	230

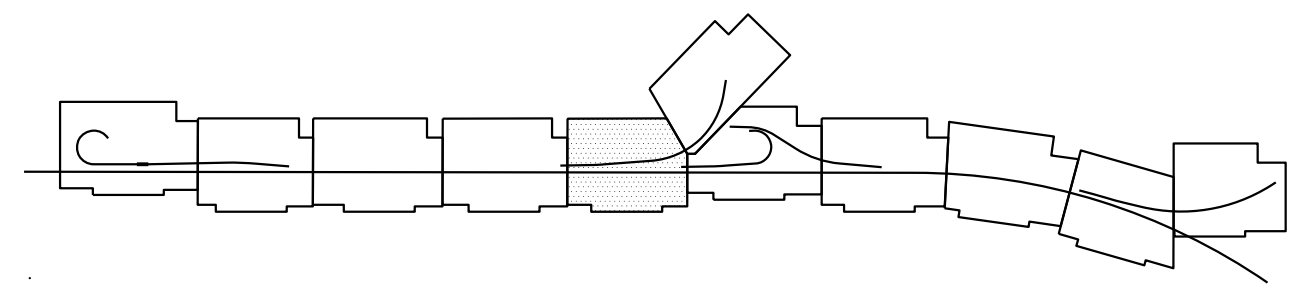
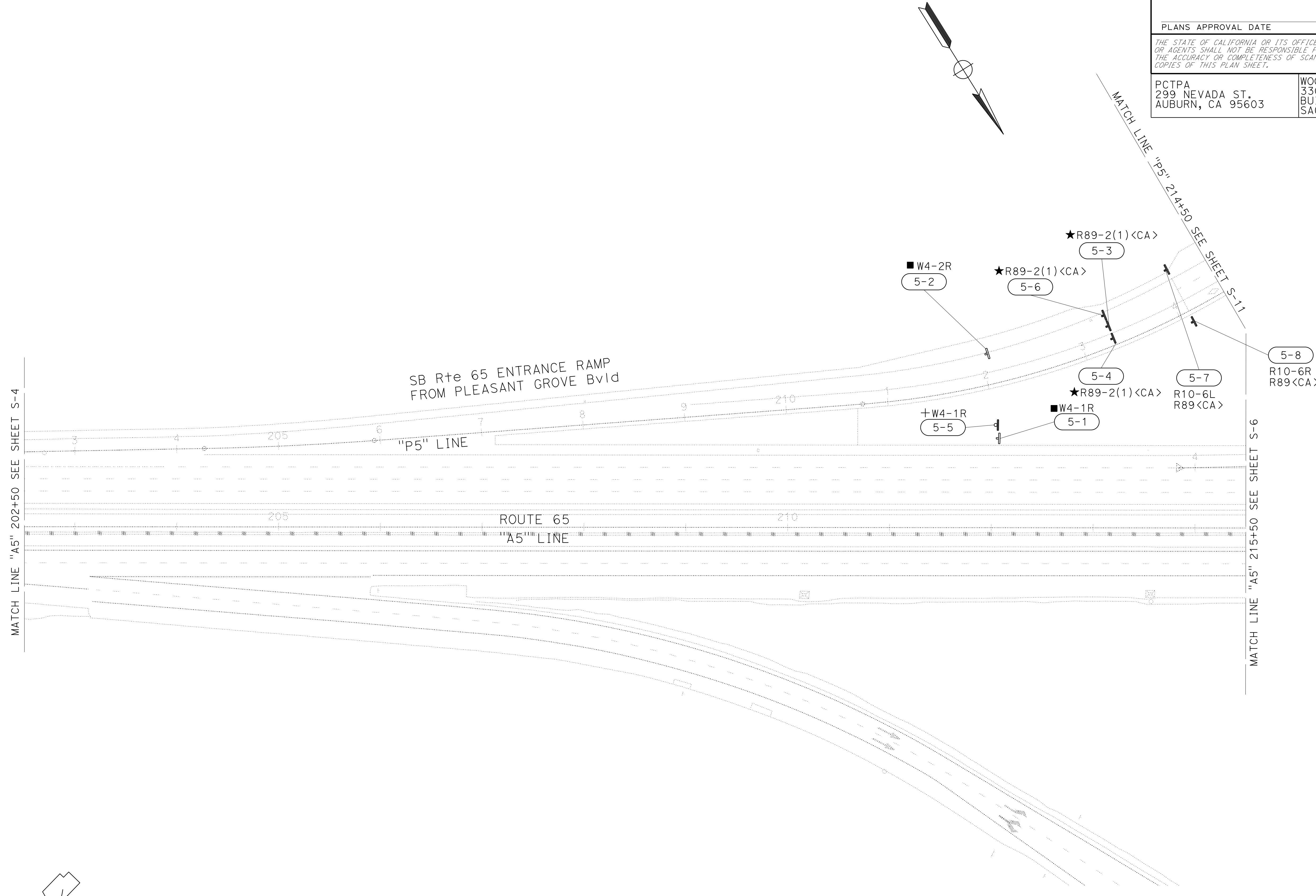
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans	MARK RAYBACK	STEVEN ROBINSON	DESIGNED BY	STEVEN ROBINSON	
			CHECKED BY	STEVEN LEUNG	



**KEYMAP**

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**SIGN PLAN**  
 SCALE: 1"=50'  
**S-5**

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R6.2/R8.3	166	230

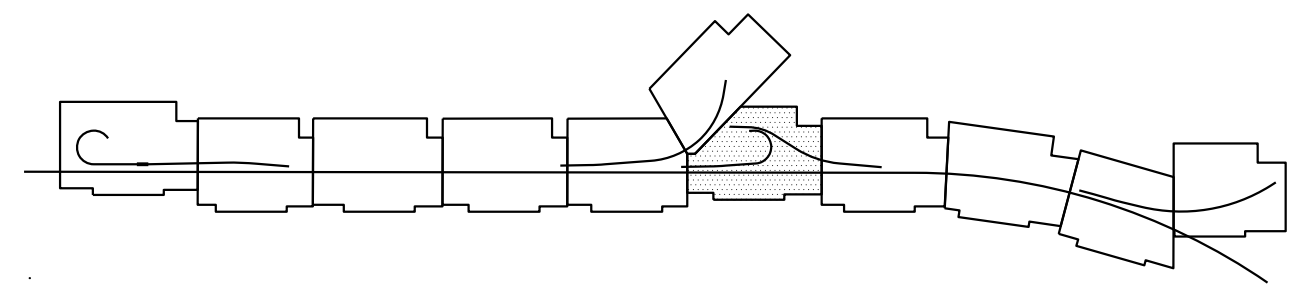
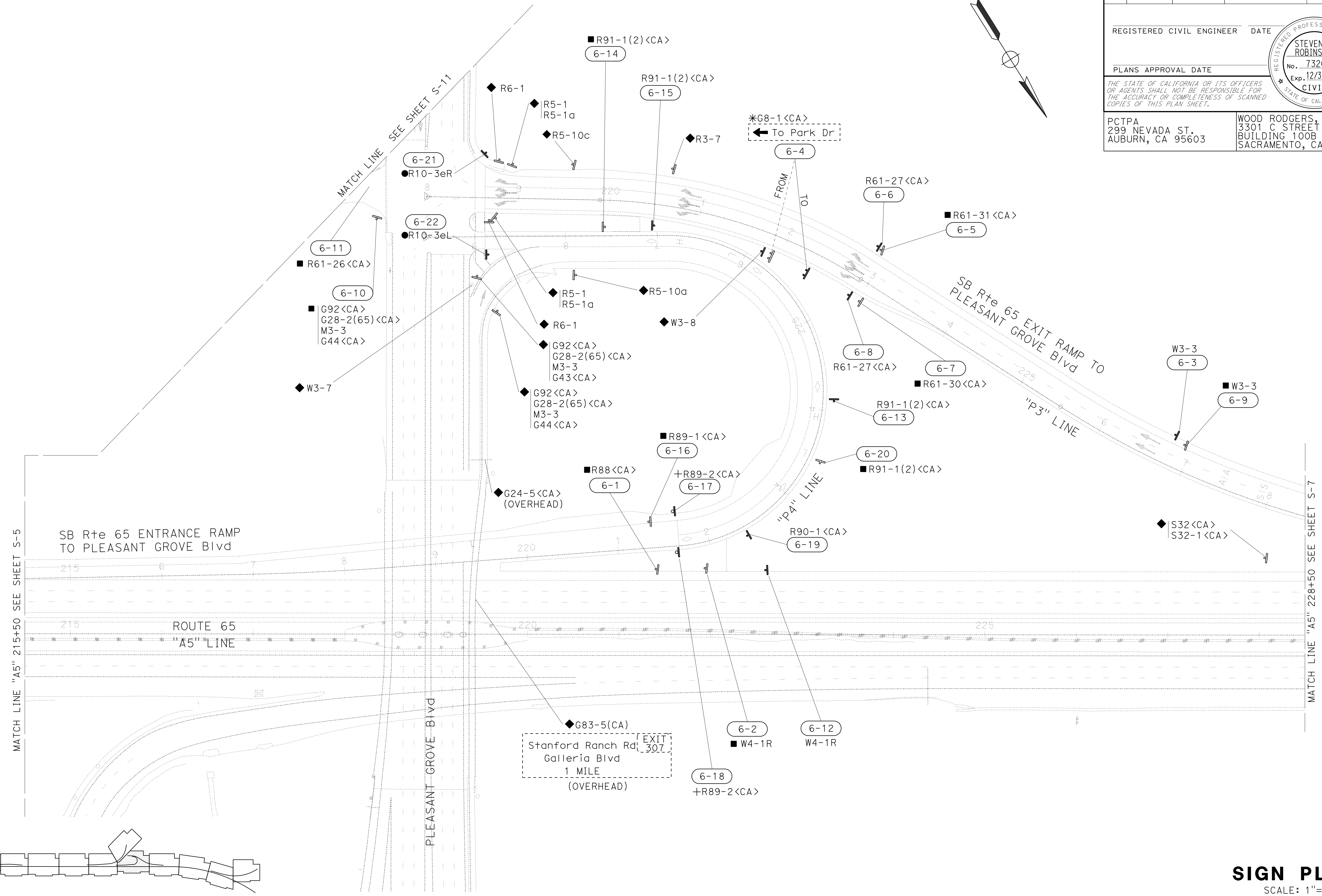
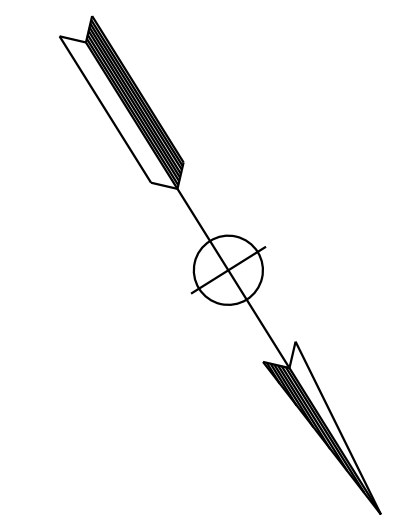
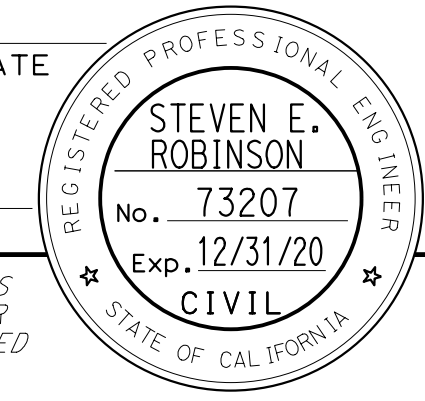
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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SACRAMENTO, CA 95816



**KEYMAP**

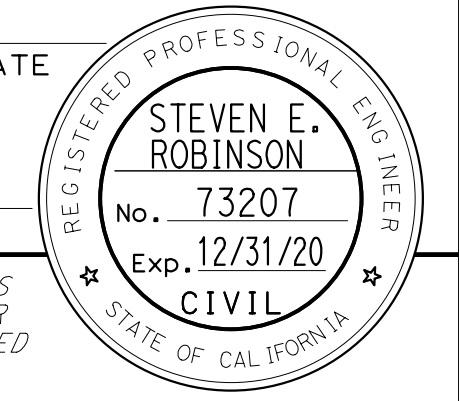
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**SIGN PLAN**  
SCALE: 1"=50'  
**S-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT - FUNCTIONAL SUPERVISOR	REVISIONS
Caltrans®	MARK RAYBACK	STEVEN ROBINSON
		STEVEN LEUNG
	CALCULATED-DESIGNED BY	REVISOR
	CHECKED BY	DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	167	230

REGISTERED CIVIL ENGINEER DATE

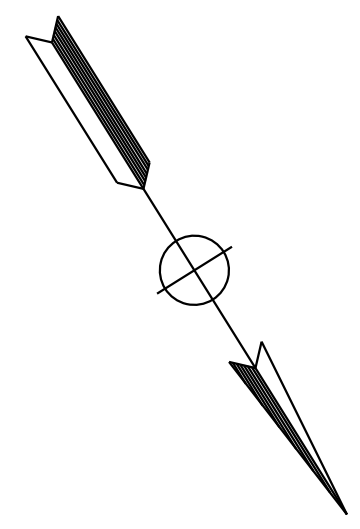


PLANS APPROVAL DATE

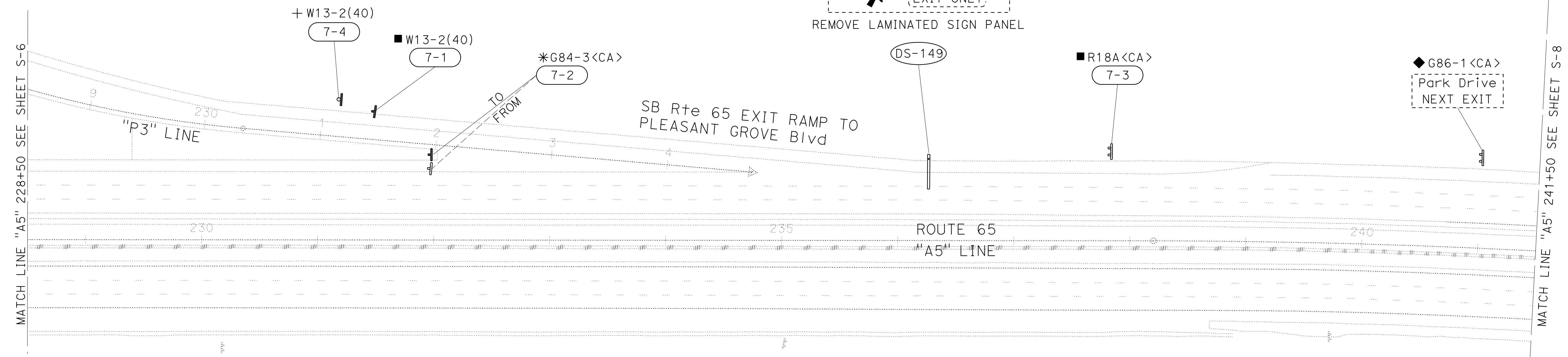
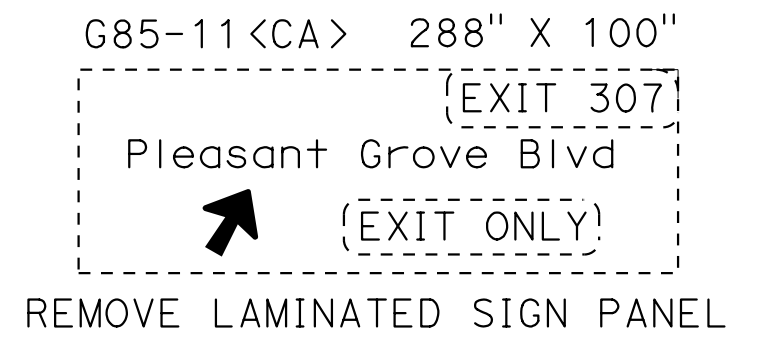
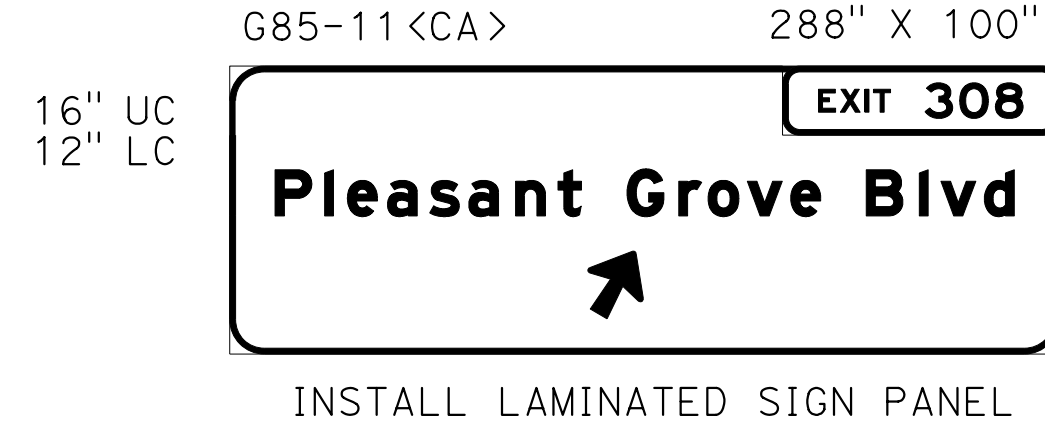
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299 NEVADA ST.  
AUBURN, CA 95603

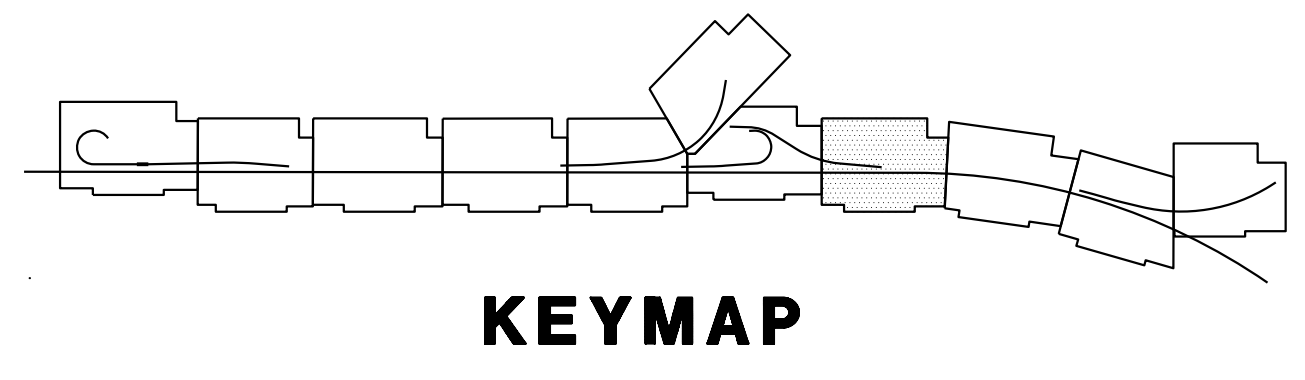
WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



SEE DETAIL ON SHEET SD-3 FOR EXACT PANEL LOCATION



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Et Caltrans	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	STEVEN ROBINSON	
			CHECKED BY	DATE	REVISED BY



**SIGN PLAN**  
SCALE: 1"=50'  
**S-7**

APPROVED FOR SIGN WORK ONLY

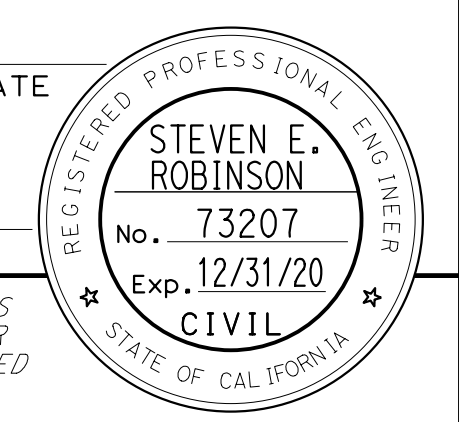
LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:48

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	168	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

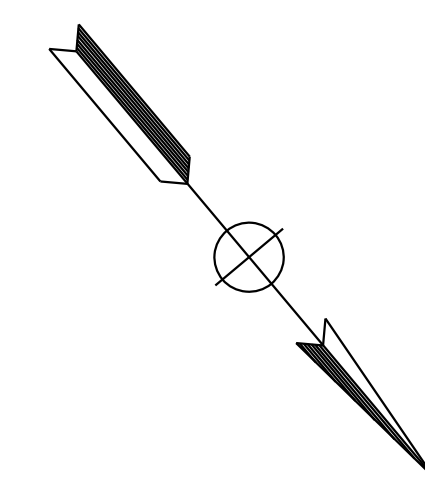
PLANS APPROVAL DATE \_\_\_\_\_

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.



PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



SEE DETAIL ON SHEET SD-3  
FOR EXACT PANEL LOCATION

G83-5<CA> 288" X 100"

16" UC  
12" LC

**EXIT 308**

**Pleasant Grove Blvd**

1/4 MILE

INSTALL LAMINATED SIGN PANEL

G85-5<CA> 288" X 100"

EXIT 308

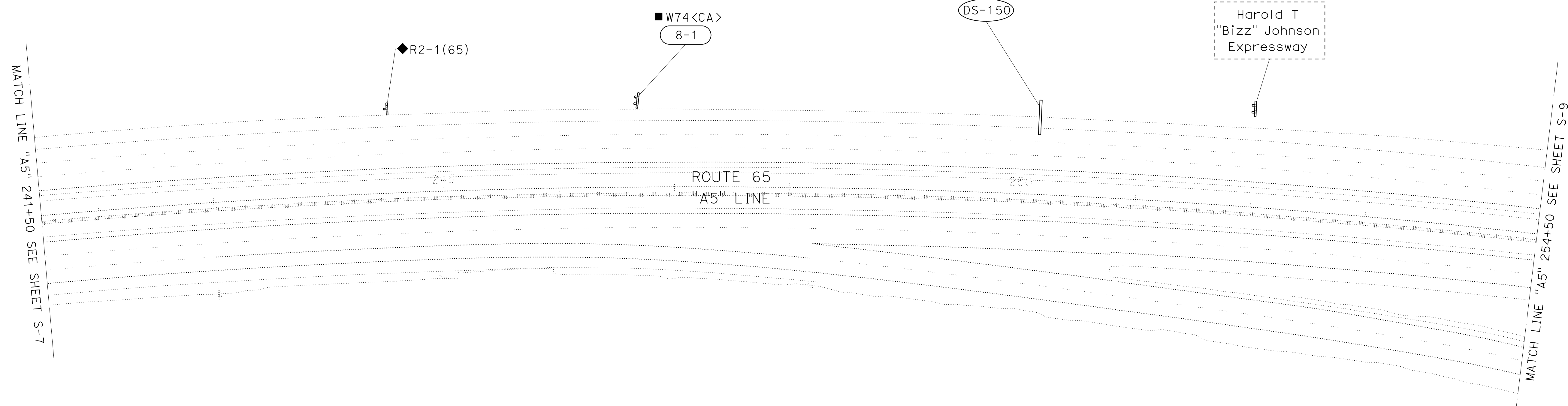
Pleasant Grove Blvd

EXIT ONLY

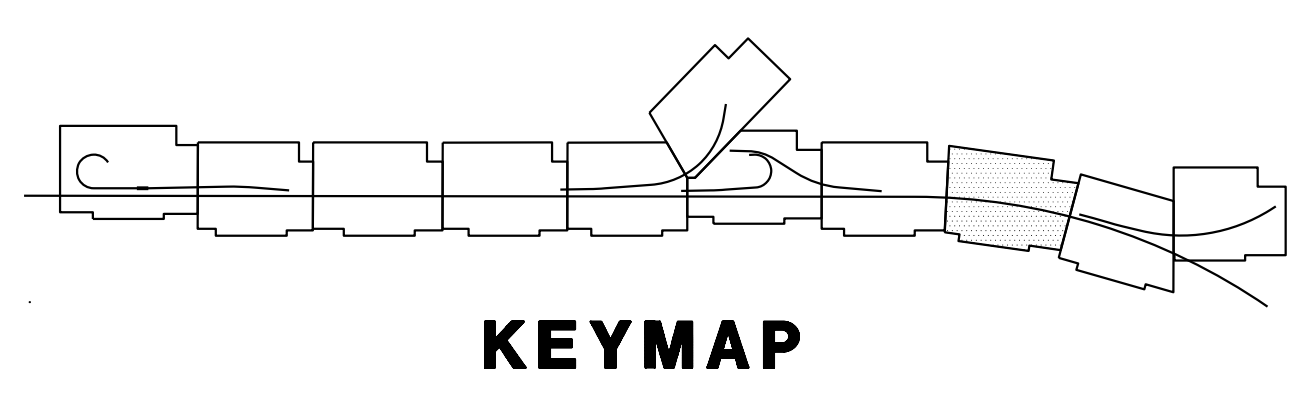
REMOVE LAMINATED SIGN PANEL

◆ G28-2(65)<CA>  
◆ G12-2<CA>

Harold T  
"Bizz" Johnson  
Expressway



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans	STEVEN ROBINSON	STEVEN LEUNG
	CALCULATED-DRAWN BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	MARK RAYBACK	



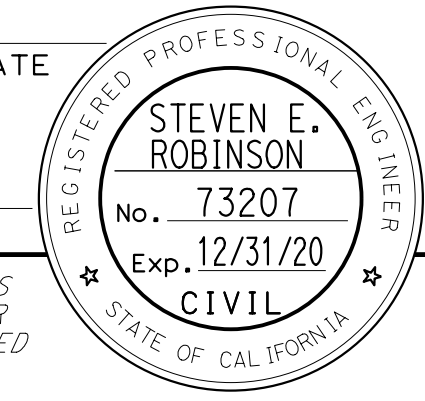
APPROVED FOR SIGN WORK ONLY

**SIGN PLAN**  
SCALE: 1"=50'  
**S-8**

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:48

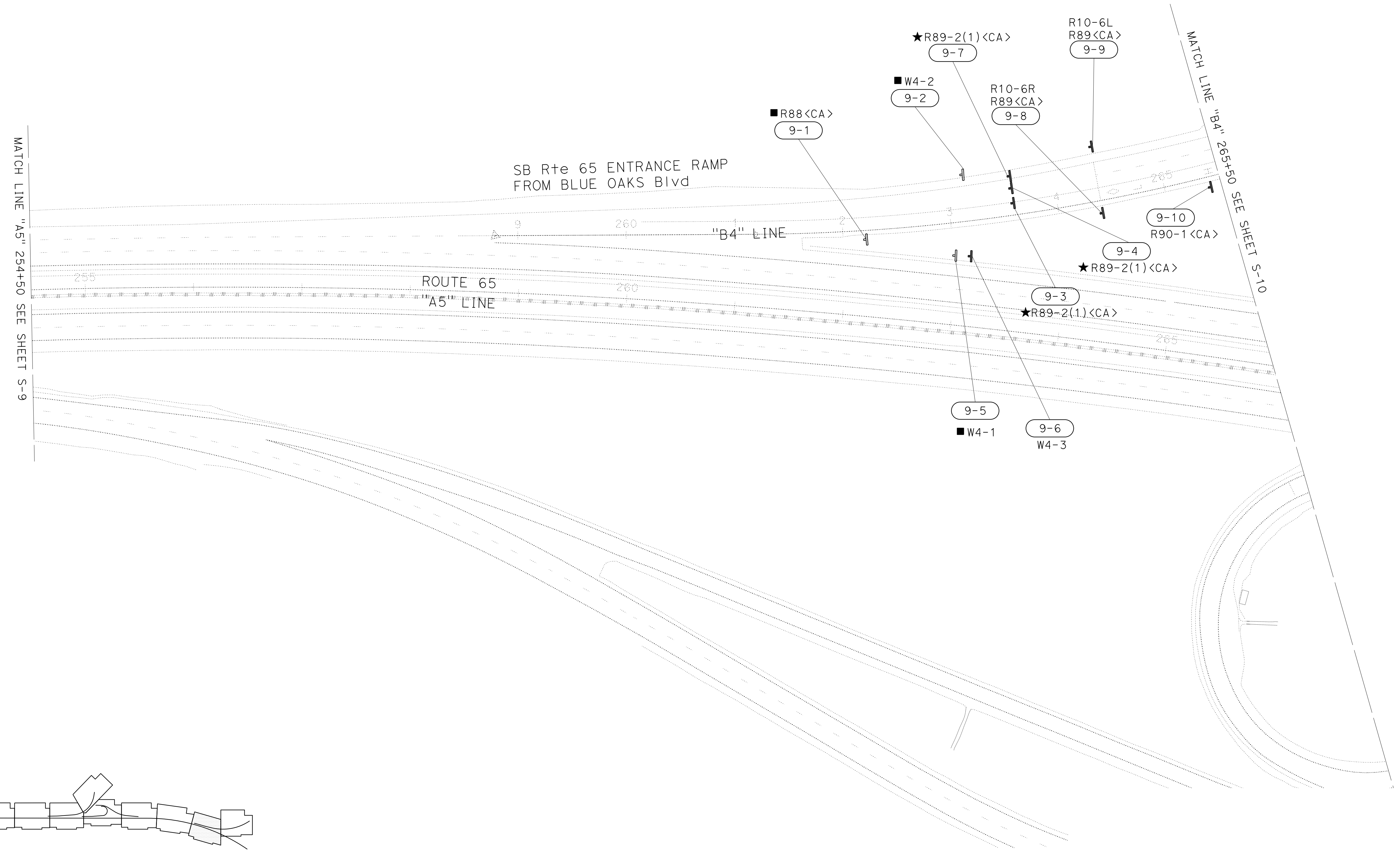
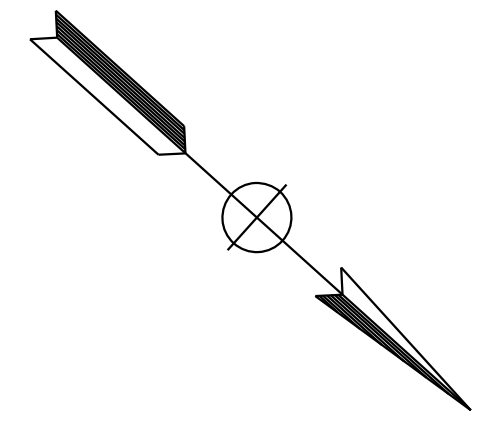
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plc	65	R6.2/R8.3	169	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



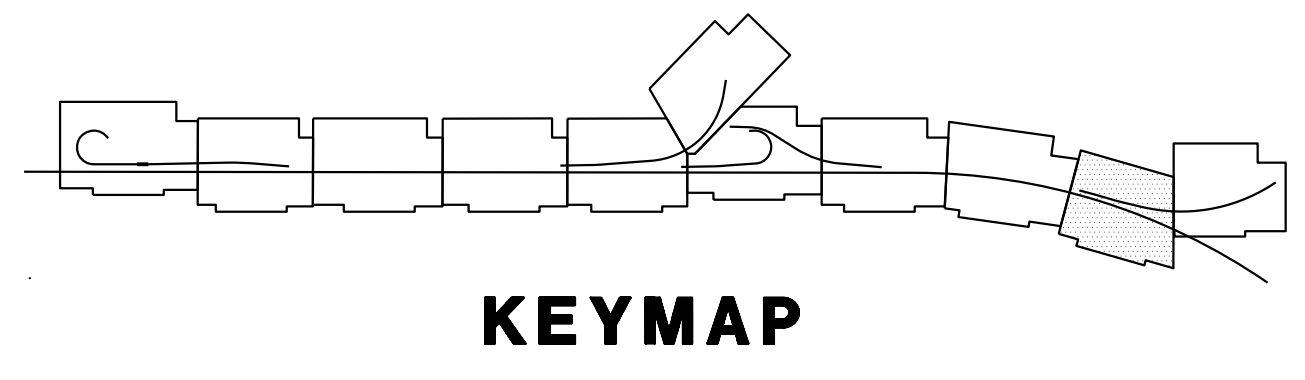
PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816



MATCH LINE "A5" 254+50 SEE SHEET S-9

MATCH LINE "B4" 265+50 SEE SHEET S-10



**SIGN PLAN**  
 SCALE: 1"=50'  
**S-9**

APPROVED FOR SIGN WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	
		CHECKED BY	DATE	

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:48



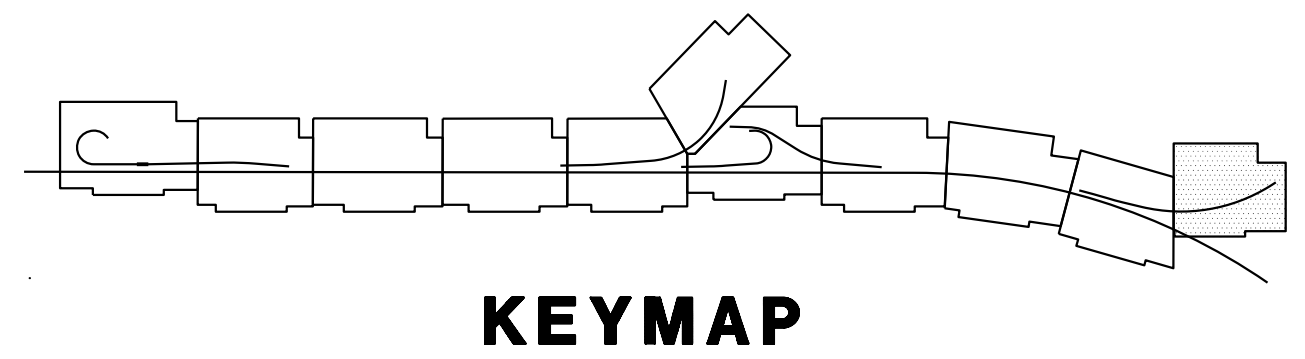
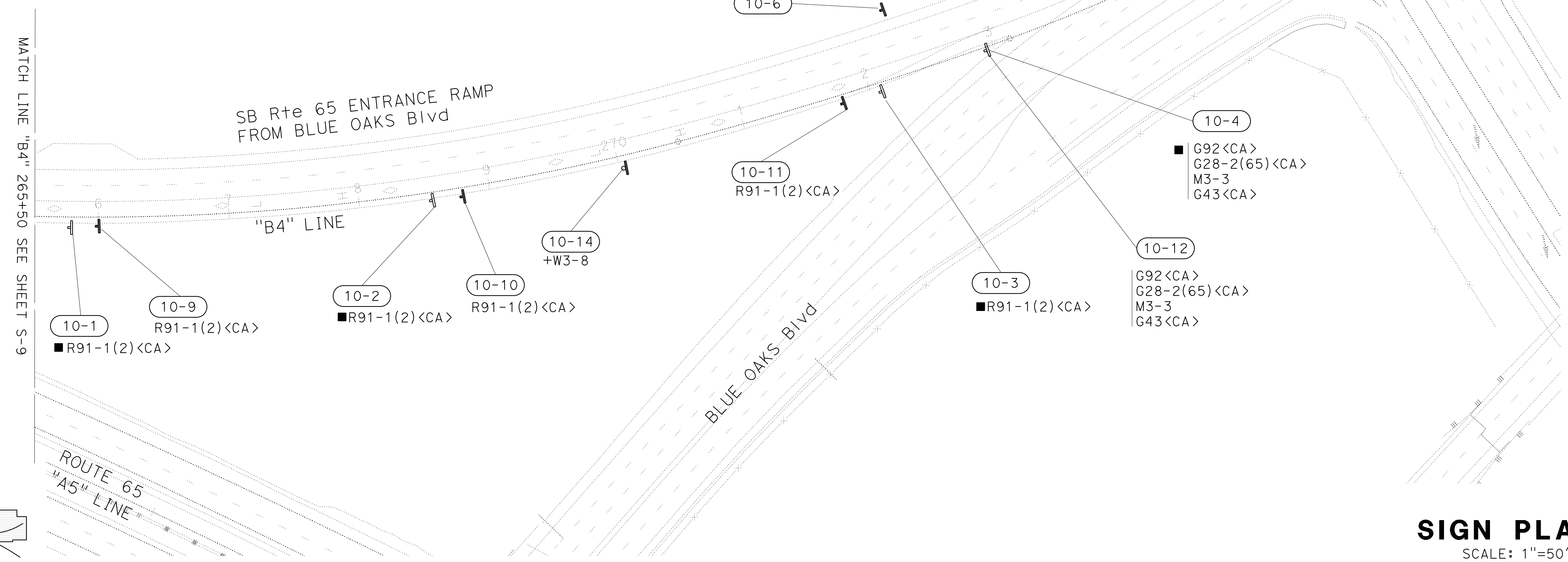
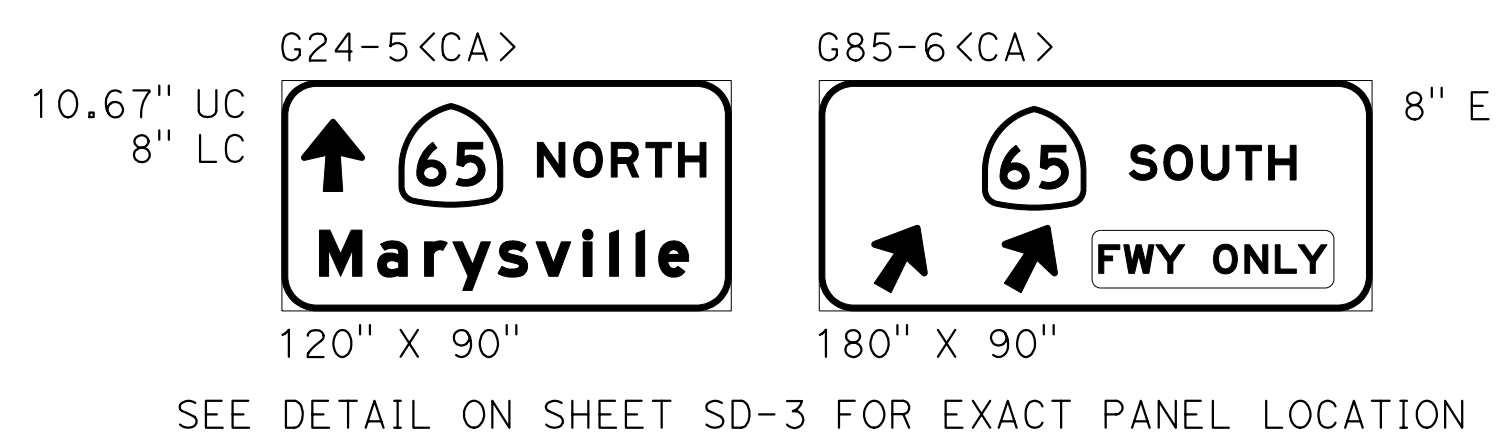
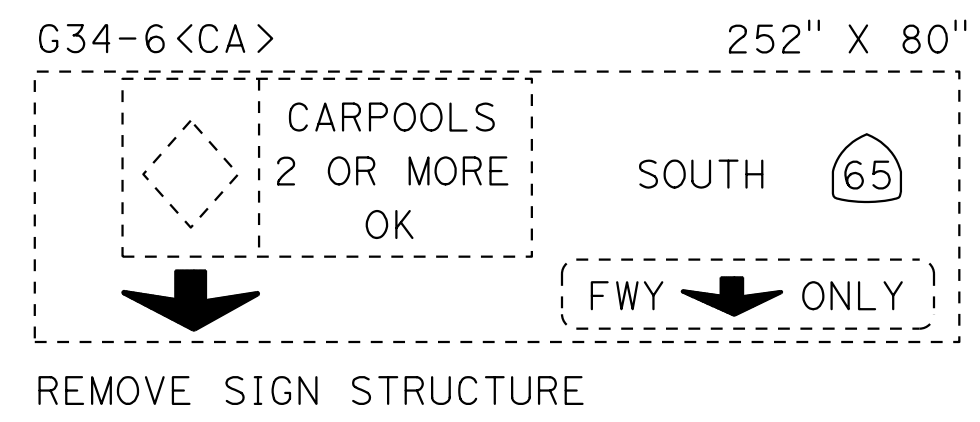
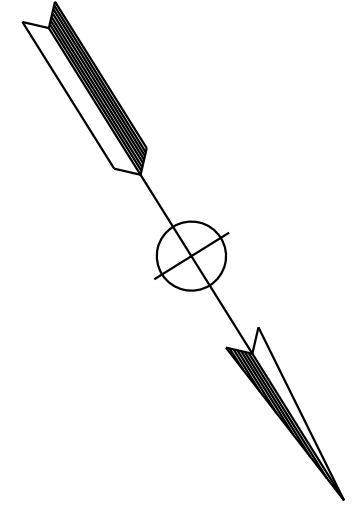
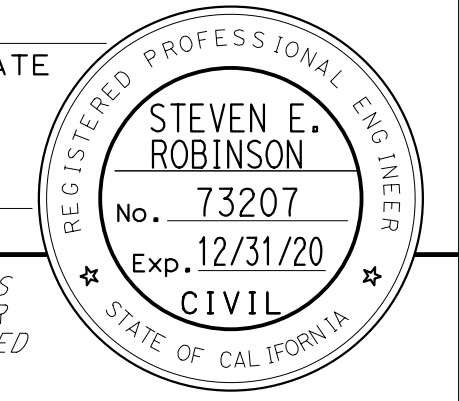
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	170	230

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	

PCTPA 299 NEVADA ST. AUBURN, CA 95603	WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816
---	--



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans	MARK RAYBACK	STEVEN ROBINSON	STEVEN ROBINSON	STEVEN ROBINSON	
			STEVEN LEUNG	STEVEN LEUNG	

APPROVED FOR SIGN WORK ONLY

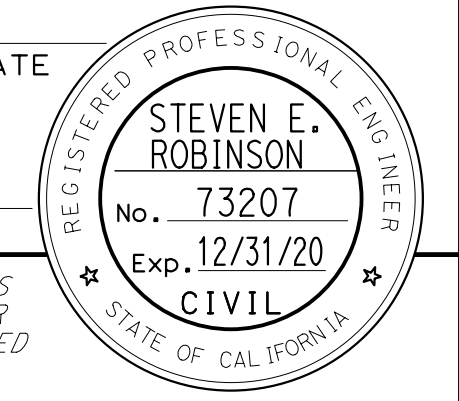
**SIGN PLAN**  
SCALE: 1"=50'  
**S-10**

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:48



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	171	230

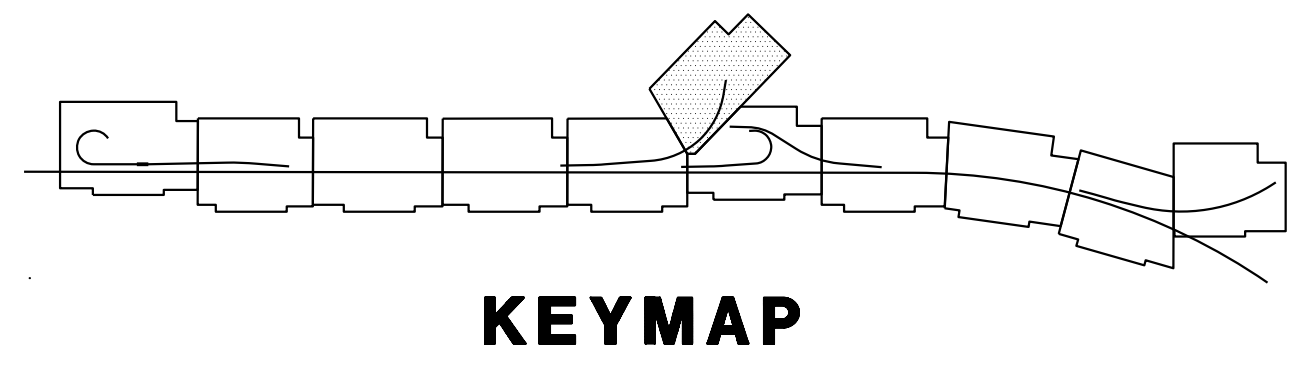
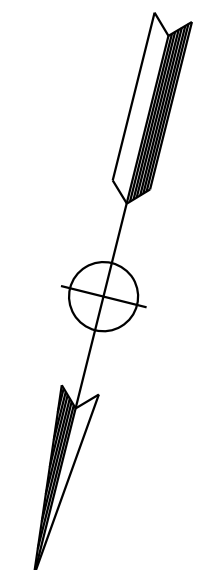
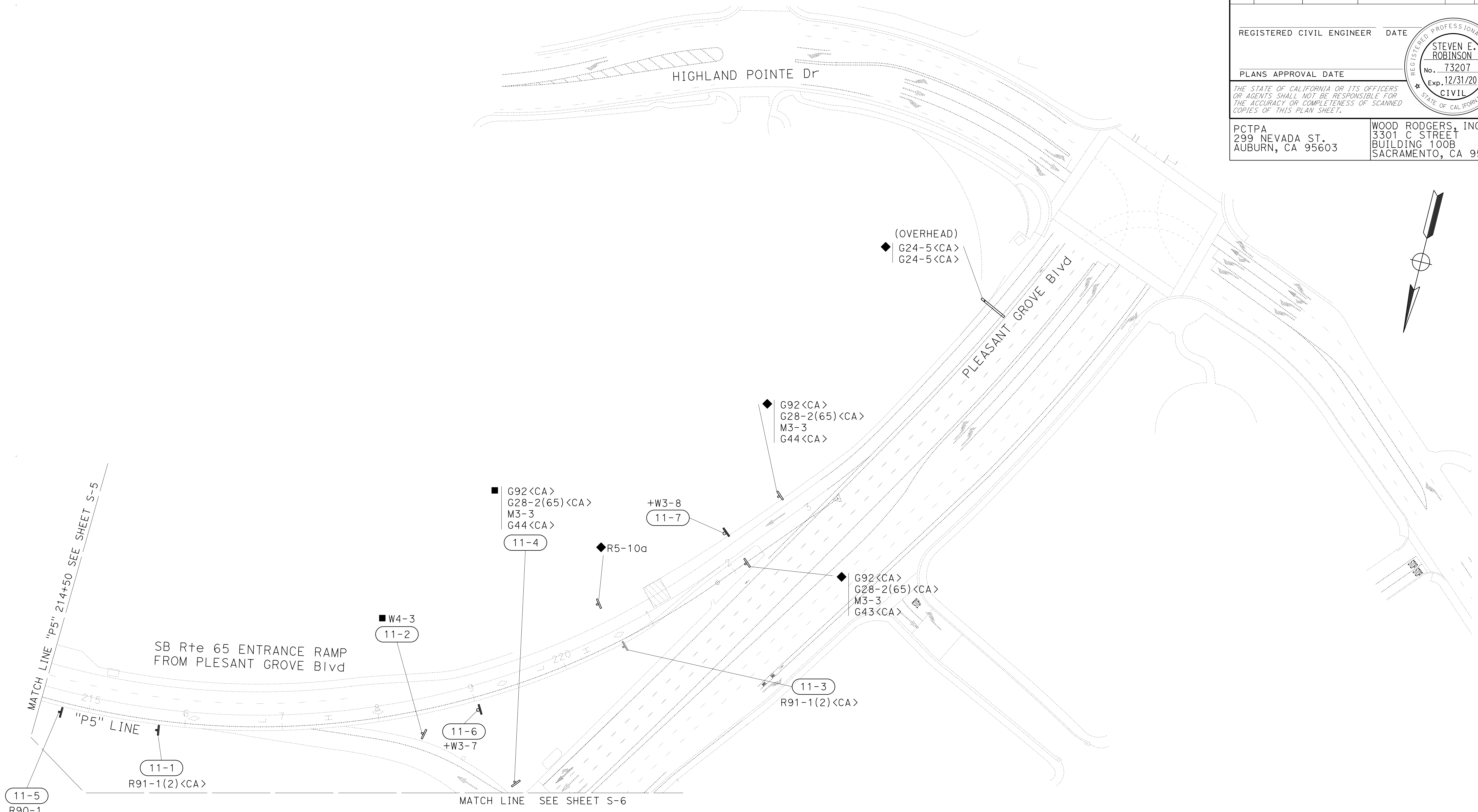
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
Mark RAYBACK	STEVEN ROBINSON	STEVEN LEUNG		



**SIGN PLAN**  
 SCALE: 1"=50'  
**S-11**

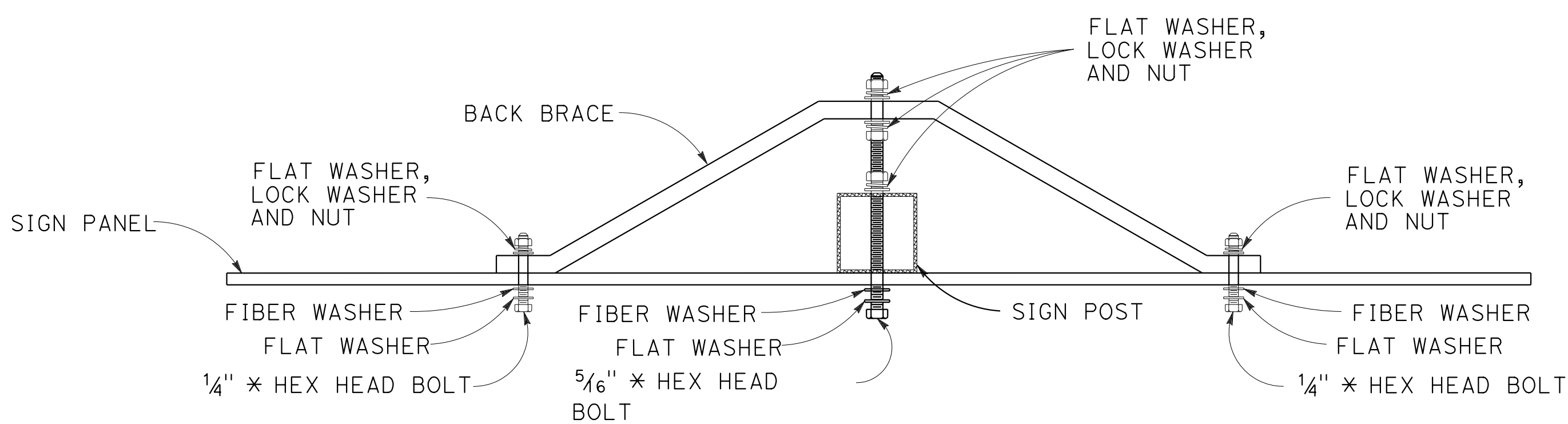
APPROVED FOR SIGN WORK ONLY

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:48

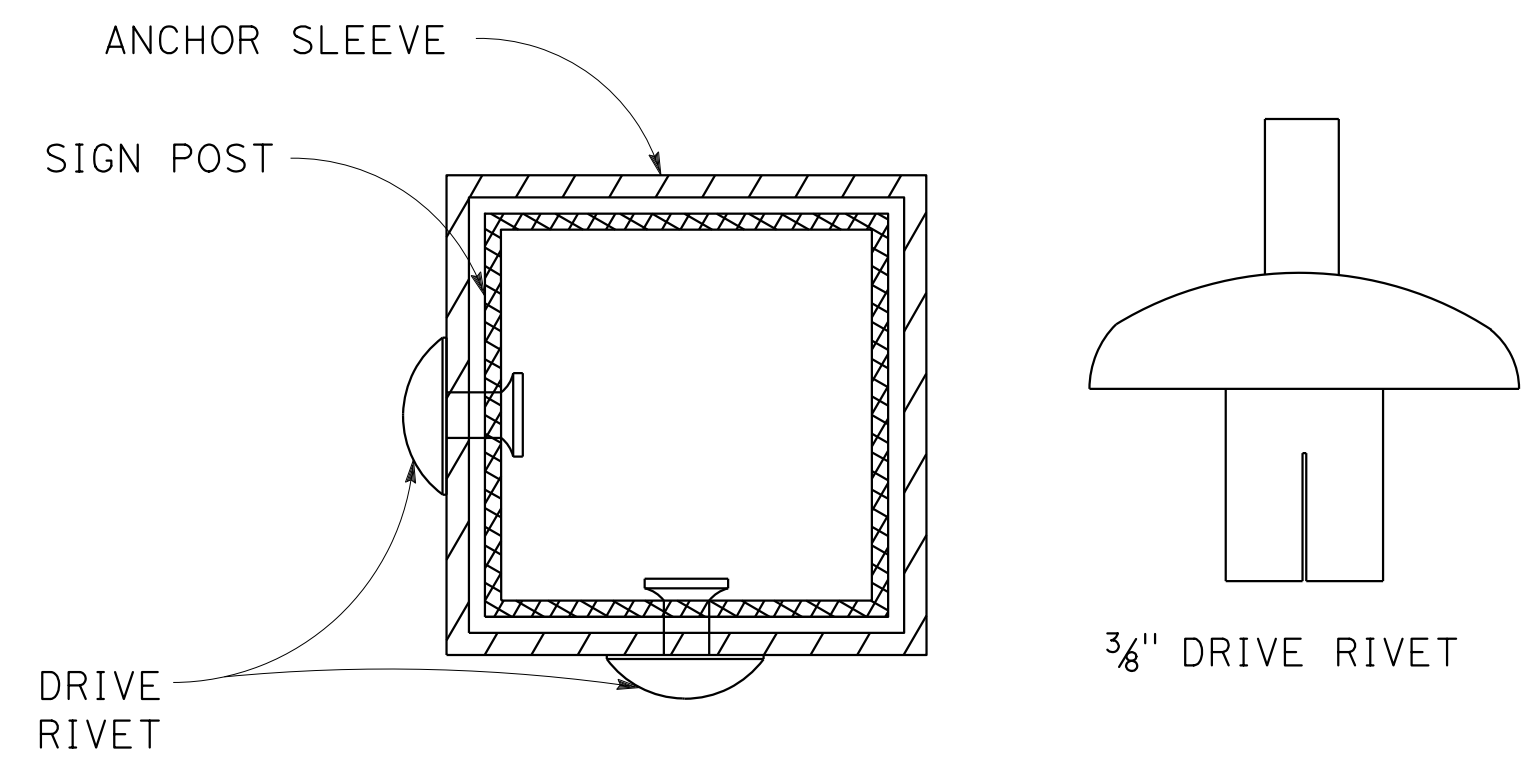
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	172	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816		

**NOTES:**

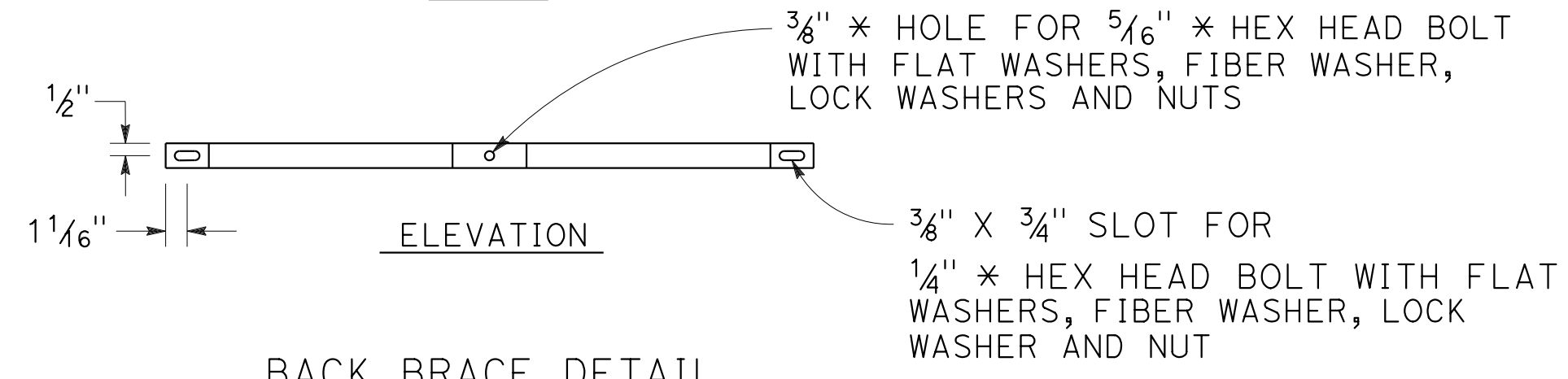
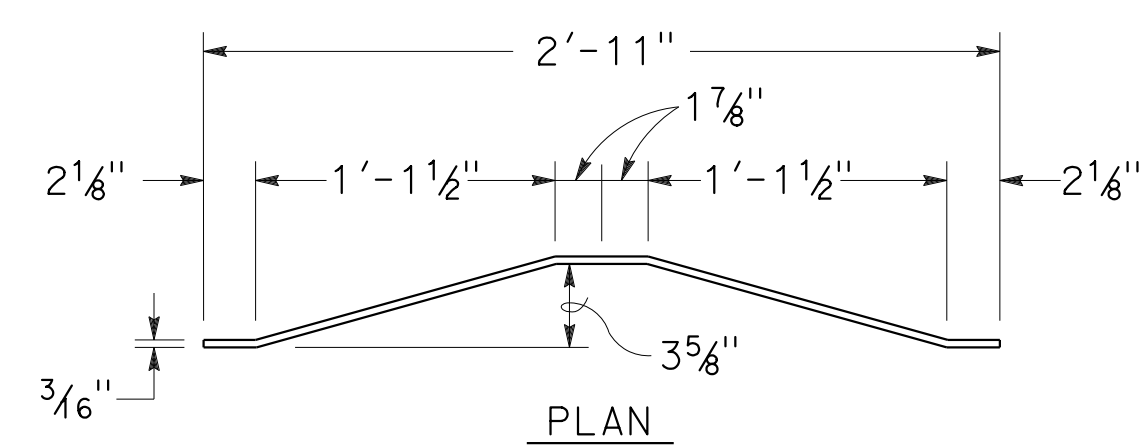
1. THE SIGN POST SHALL HAVE 7/16" DIAMETER PERFORATIONS 1" ON CENTER ON ALL FOUR SIDES FOR THE FULL LENGTH.
2. USE TWO DRIVE RIVETS TO FASTEN ASSEMBLED SIGN AND SIGN POST INTO ANCHOR SLEEVE. INSTALL DRIVE RIVETS INTO THE SIDES FACING TRAFFIC.
3. ALL METAL SIGN POSTS AND ANCHOR SLEEVES SHALL BE GALVANIZED.
4. ALL ANCHOR SLEEVES SHALL BE EMBEDDED IN PCC.
5. BALANCED SINGLE POST INSTALLATIONS OF SINGLE SHEET ALUMINUM PANEL SIGNS REQUIRE BACK BRACES WHEN 2'-10" OR MORE IN LENGTH.
6. WOOD BLOCK SPACERS ARE NOT REQUIRED FOR SIGNS MOUNTED ON METAL POSTS.
7. ATTACH RECTANGULAR SIGN PANEL TO SIGN POST WITH BOLTS AT TOP AND BOTTOM. CENTER MAY BE ATTACHED WITH EITHER BOLT OR 3/8" DRIVE RIVET.
8. ATTACH DIAMOND SIGN PANEL TO SIGN POST WITH BOLT AT CENTER. TOP AND BOTTOM MAY BE ATTACHED WITH EITHER BOLTS OR 3/8" DRIVE RIVETS.
9. FOR DETAILS NOT SHOWN, SEE STANDARD PLANS RS1 AND RS2.



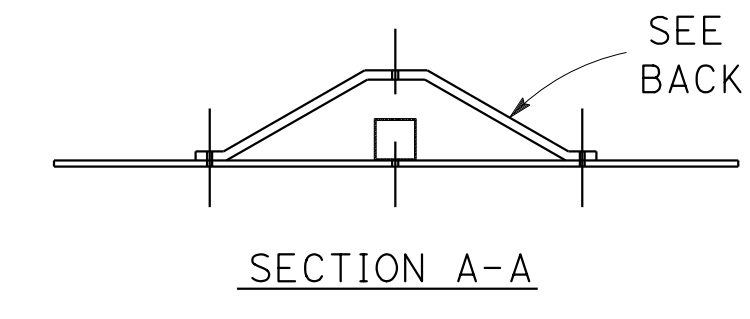
**BACK BRACE MOUNTING DETAIL**  
SEE NOTES 6, 7 AND 8



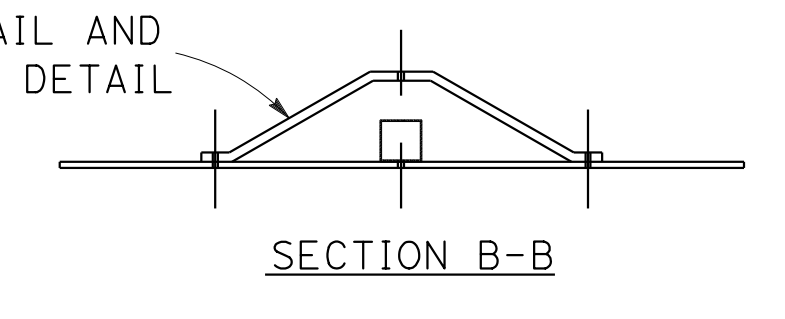
**FASTENER DETAIL**



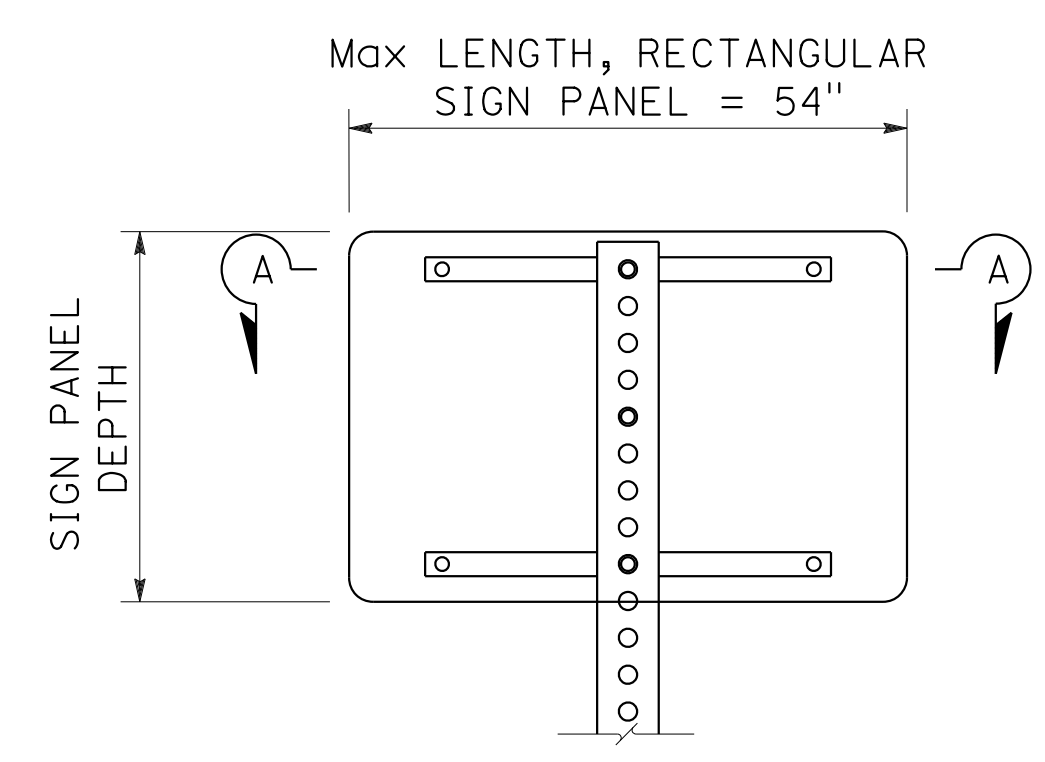
**BACK BRACE DETAIL**  
SEE NOTE 5



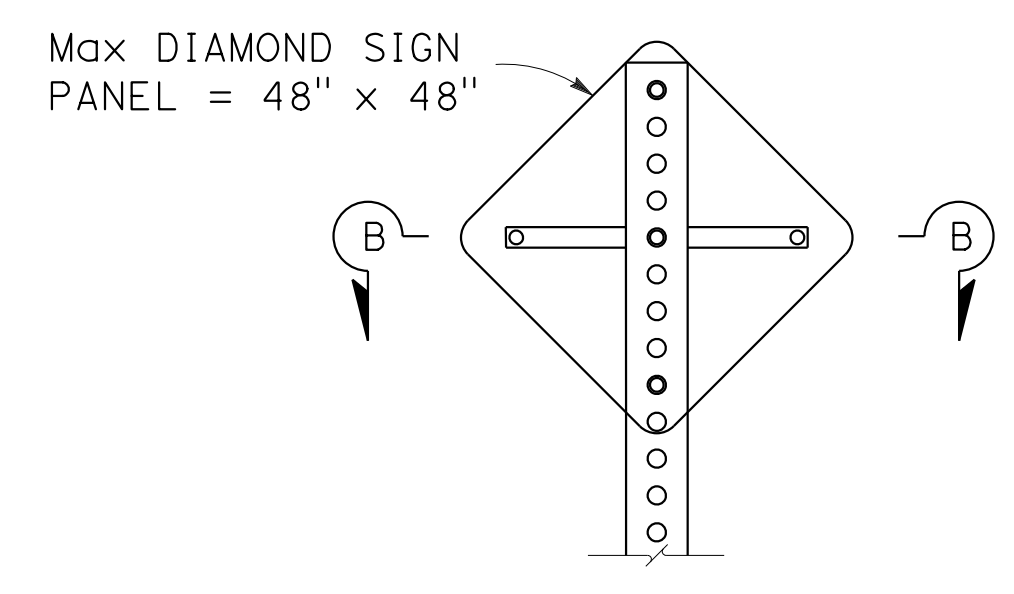
**SECTION A-A**



**SECTION B-B**

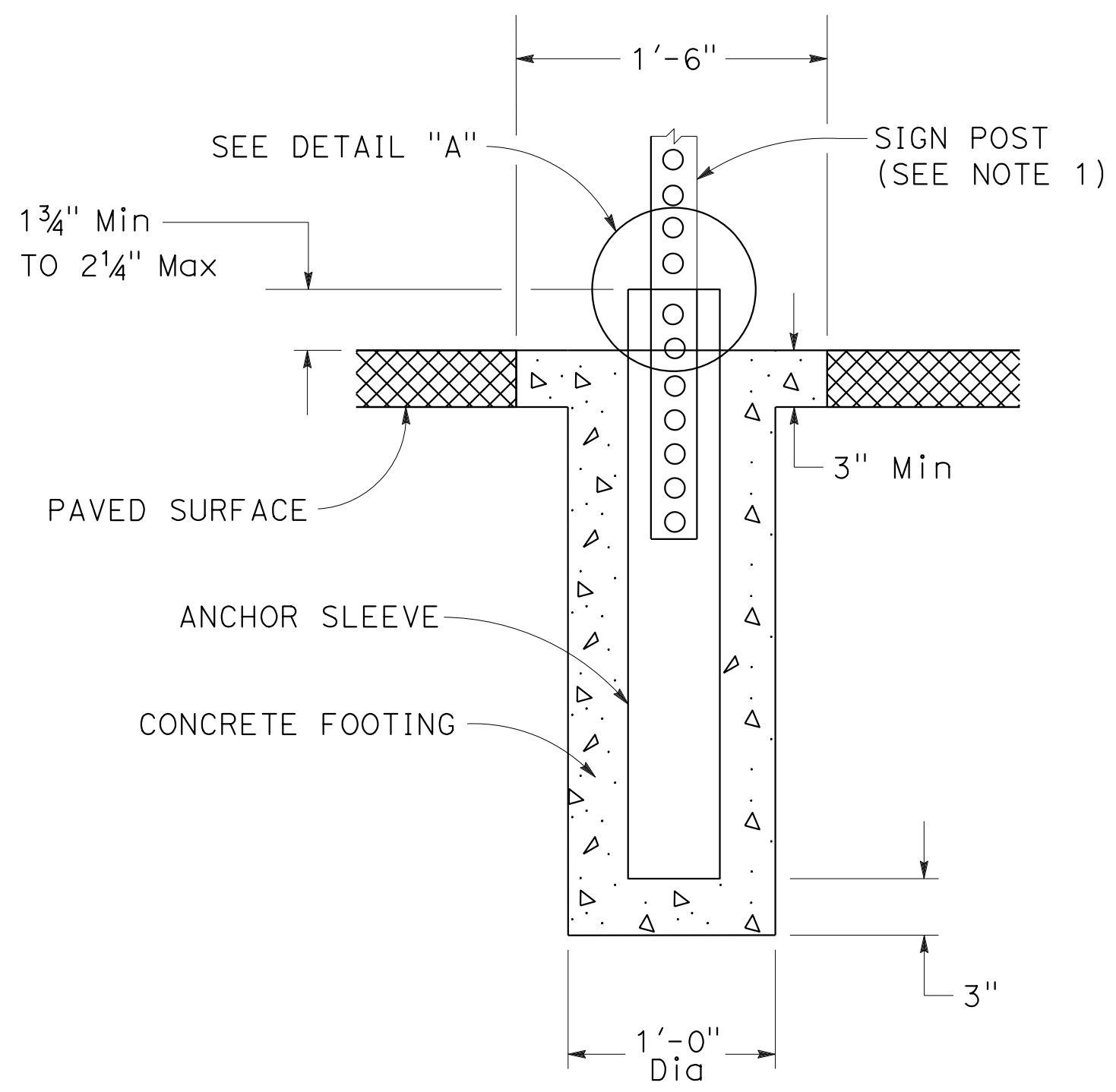


**BALANCED**  
SEE NOTE 7

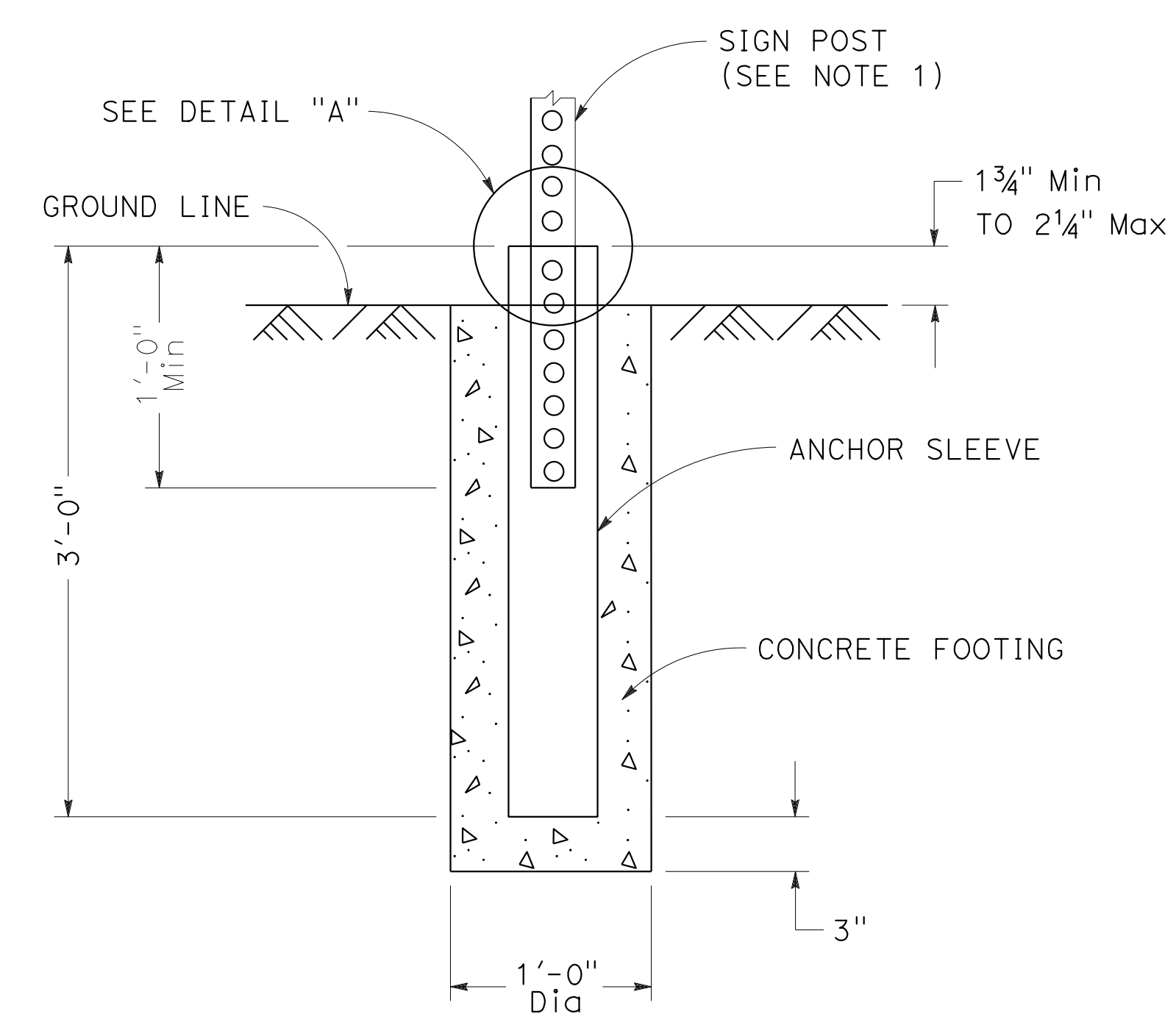


**BALANCED**  
SEE NOTE 8

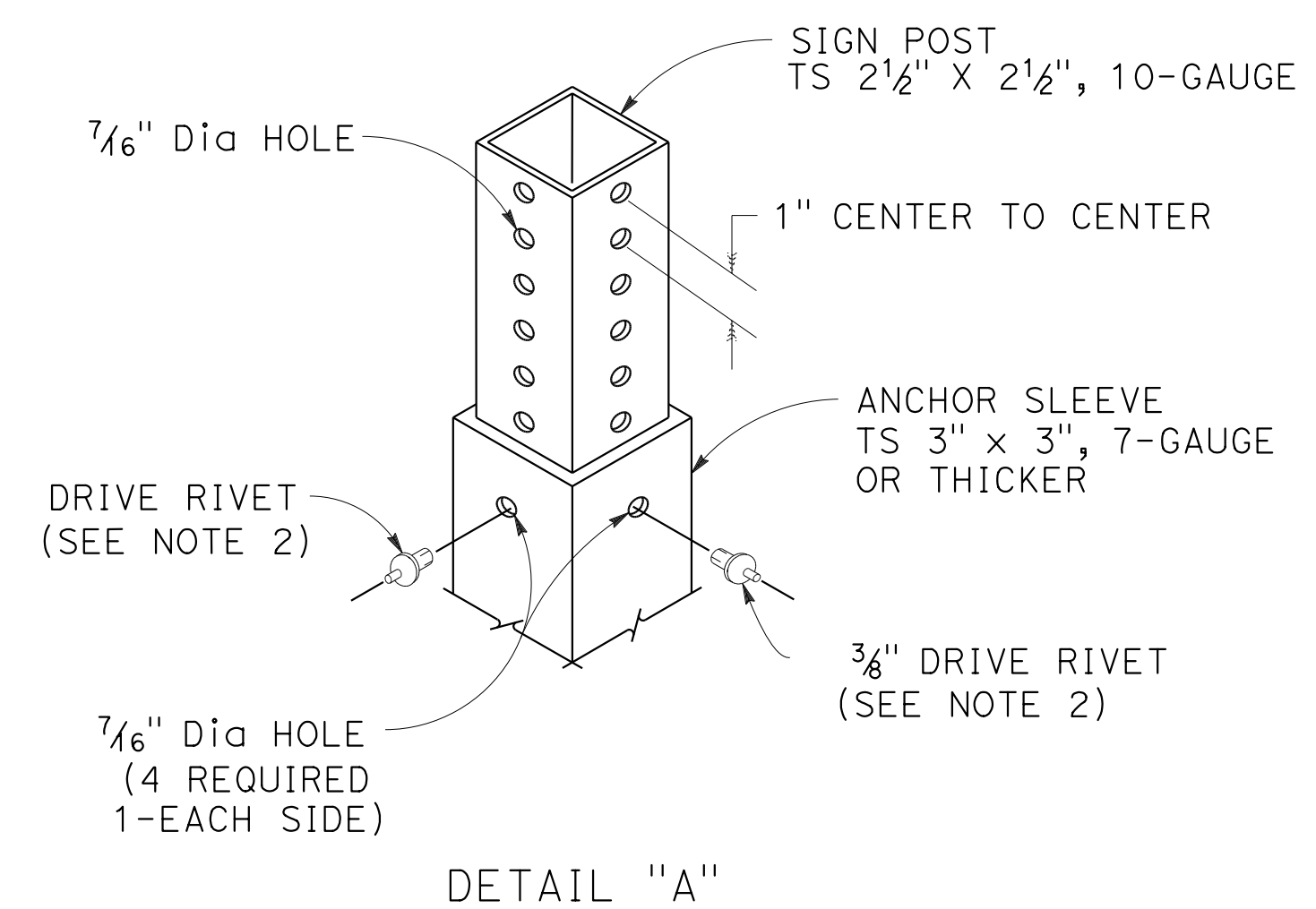
**SINGLE POST INSTALLATION**



**ANCHOR SLEEVE IN PAVED AREA DETAIL**  
FOR DETAILS NOT SHOWN, SEE "ANCHOR SLEEVE DETAIL".



**ANCHOR SLEEVE DETAIL**



**DETAIL "A"**

**SIGN DETAILS**  
NO SCALE

**SD-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
  
 CONSULTANT - FUNCTIONAL SUPERVISOR: MARK RAYBACK  
 CALCULATED/DESIGNED BY: STEVEN ROBINSON  
 CHECKED BY: STEVEN LEUNG  
 REVISED BY: DATE  
 REVISIONS: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

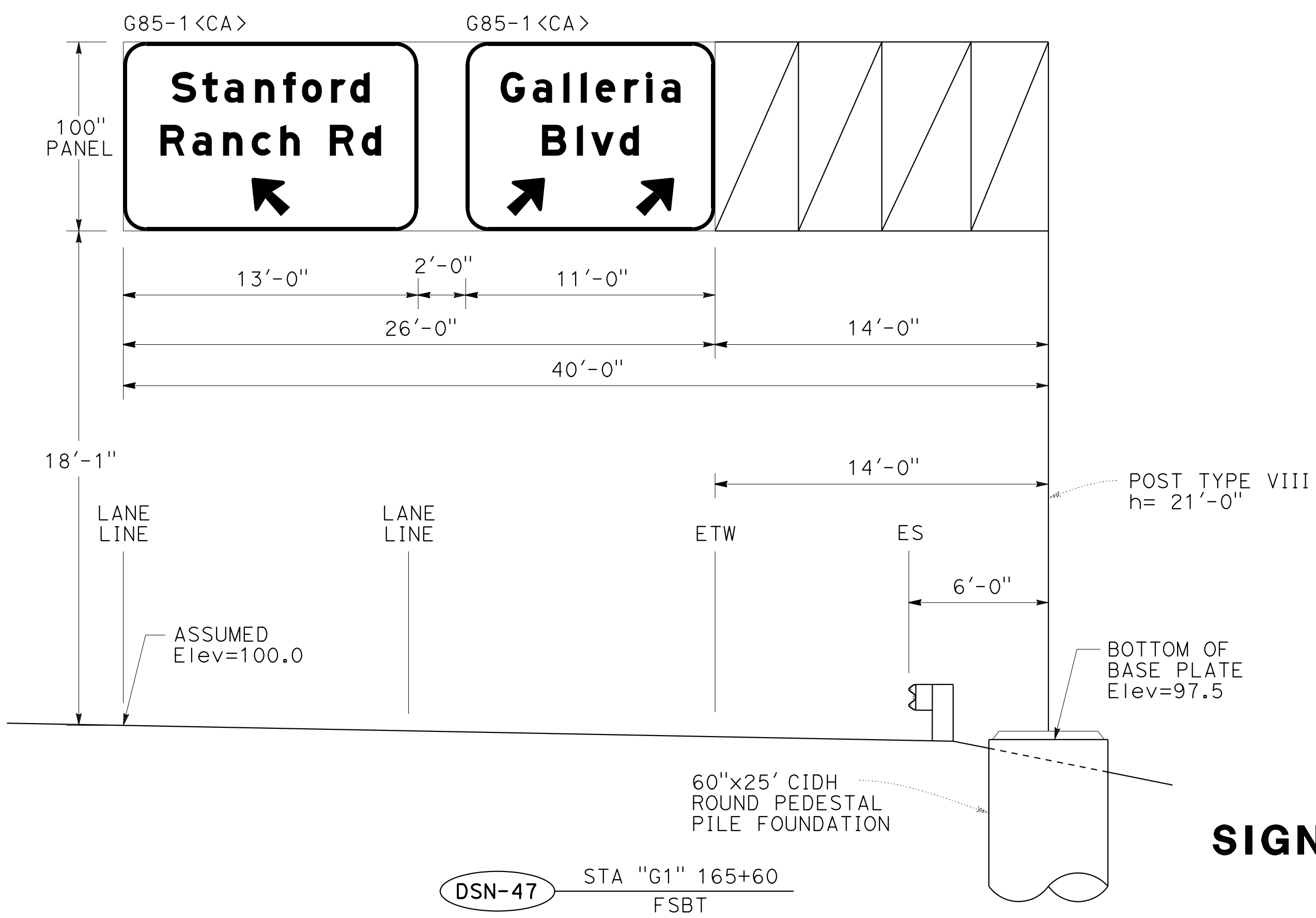
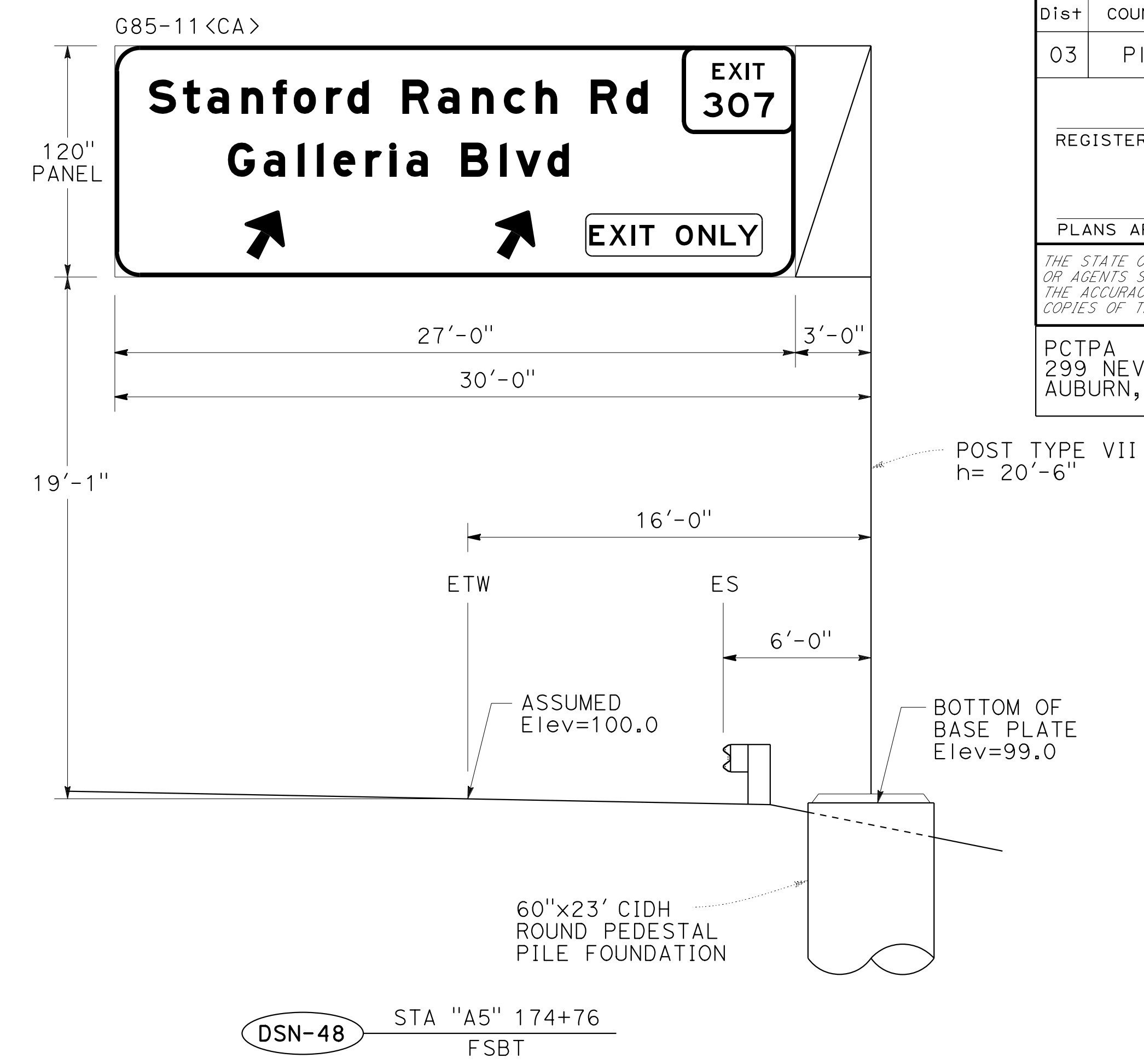
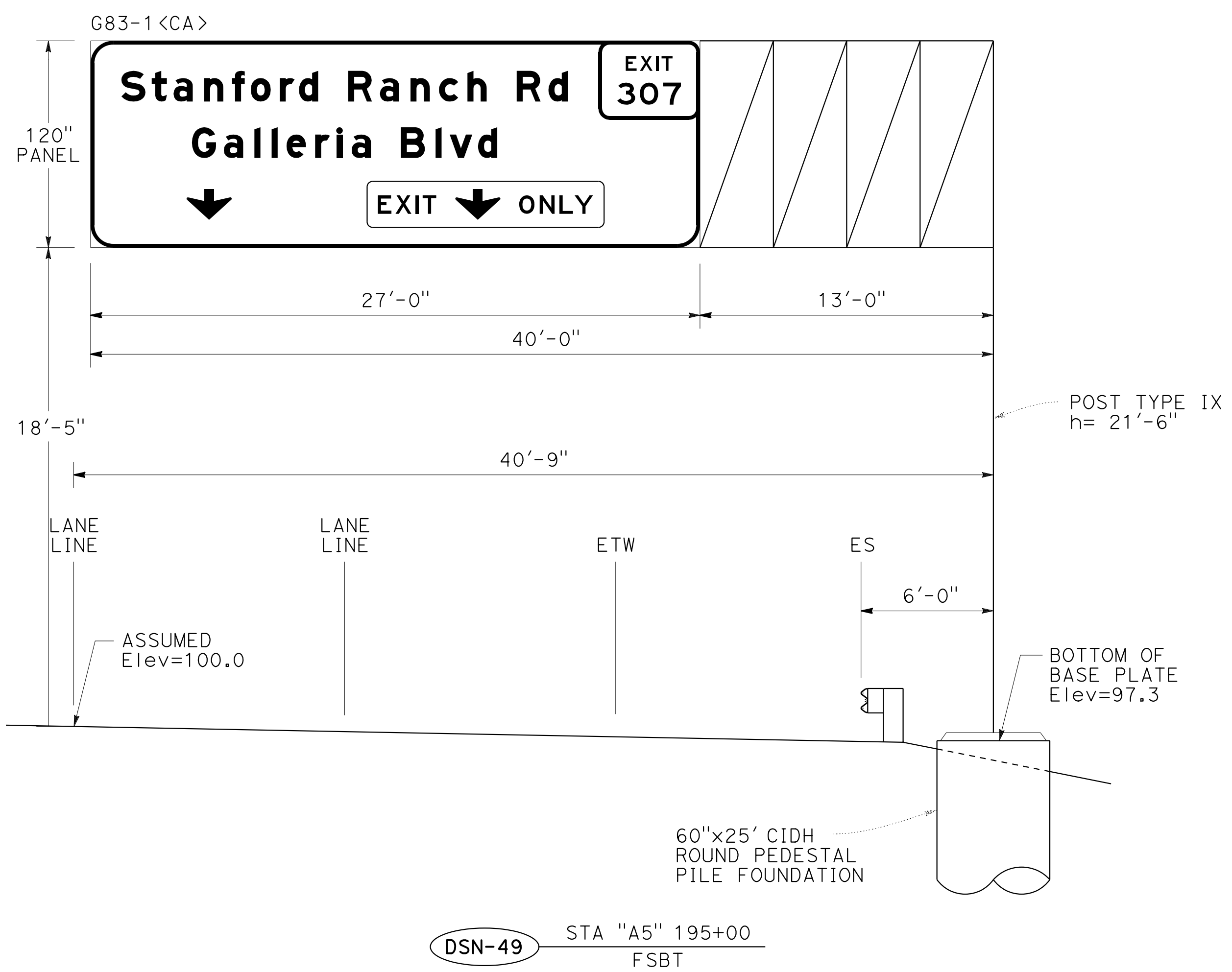
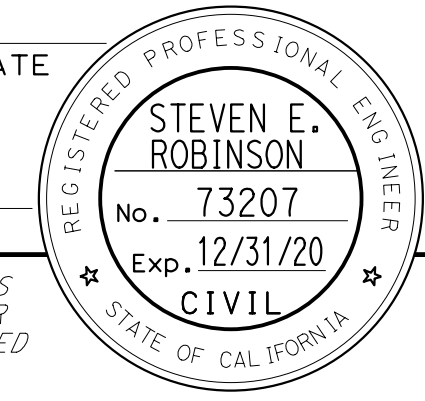
LAST REVISION DATE PLOTTED => 13-JUL-2020  
00-00-00 TIME PLOTTED => 16:48

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
*Caltrans*  
 CONSULTANT - FUNCTIONAL SUPERVISOR  
 MARK RAYBACK  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 STEVEN ROBINSON  
 STEVEN LEUNG  
 REVISED BY  
 DATE REVISED

**NOTES:**

1. h = DISTANCE FROM BOTTOM OF FRAME TO BOTTOM OF BASE PLATE.
2. ALL OVERHEAD SIGN STRUCTURES SHALL INCLUDE A WALKWAY ASSEMBLY.
3. ALL OVERHEAD SIGN FOUNDATIONS SHALL INCLUDE A CONDUIT FOR FUTURE SIGN ILLUMINATION.
4. OVERHEAD SIGN PANELS SHALL BE LAMINATED PANELS TYPE A.
5. ASSUMED ELEVATION IS AT FINISHED GRADE.

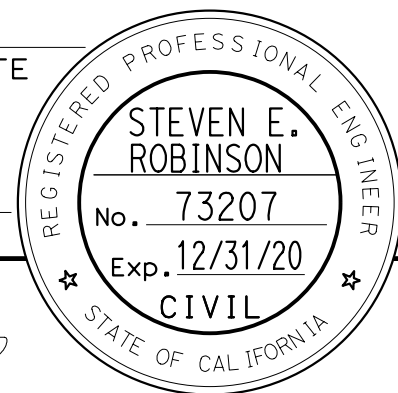
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plac	65	R6.2/R8.3	173	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816		



**SIGN DETAILS**  
 NO SCALE  
**SD-2**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	174	230

REGISTERED CIVIL ENGINEER DATE



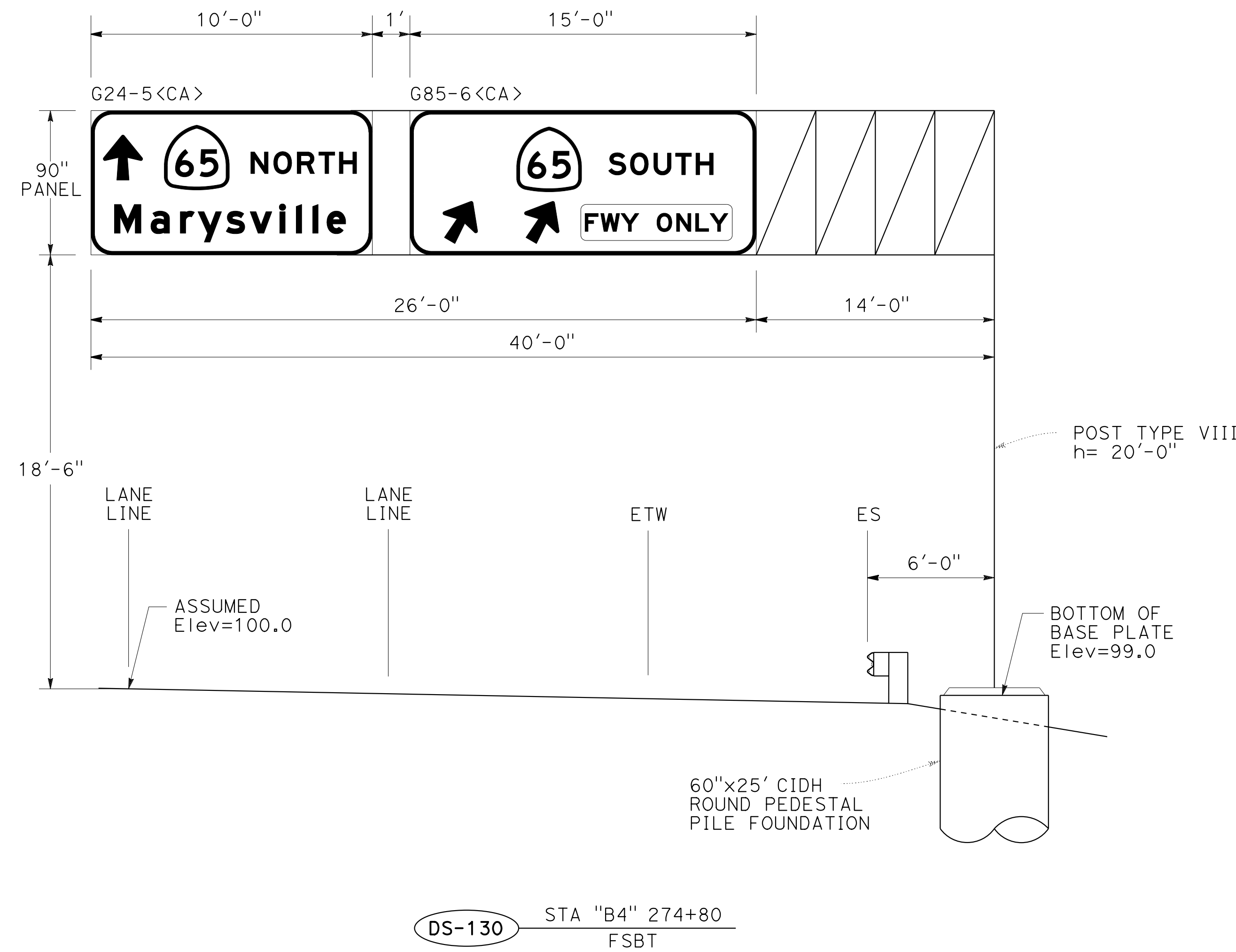
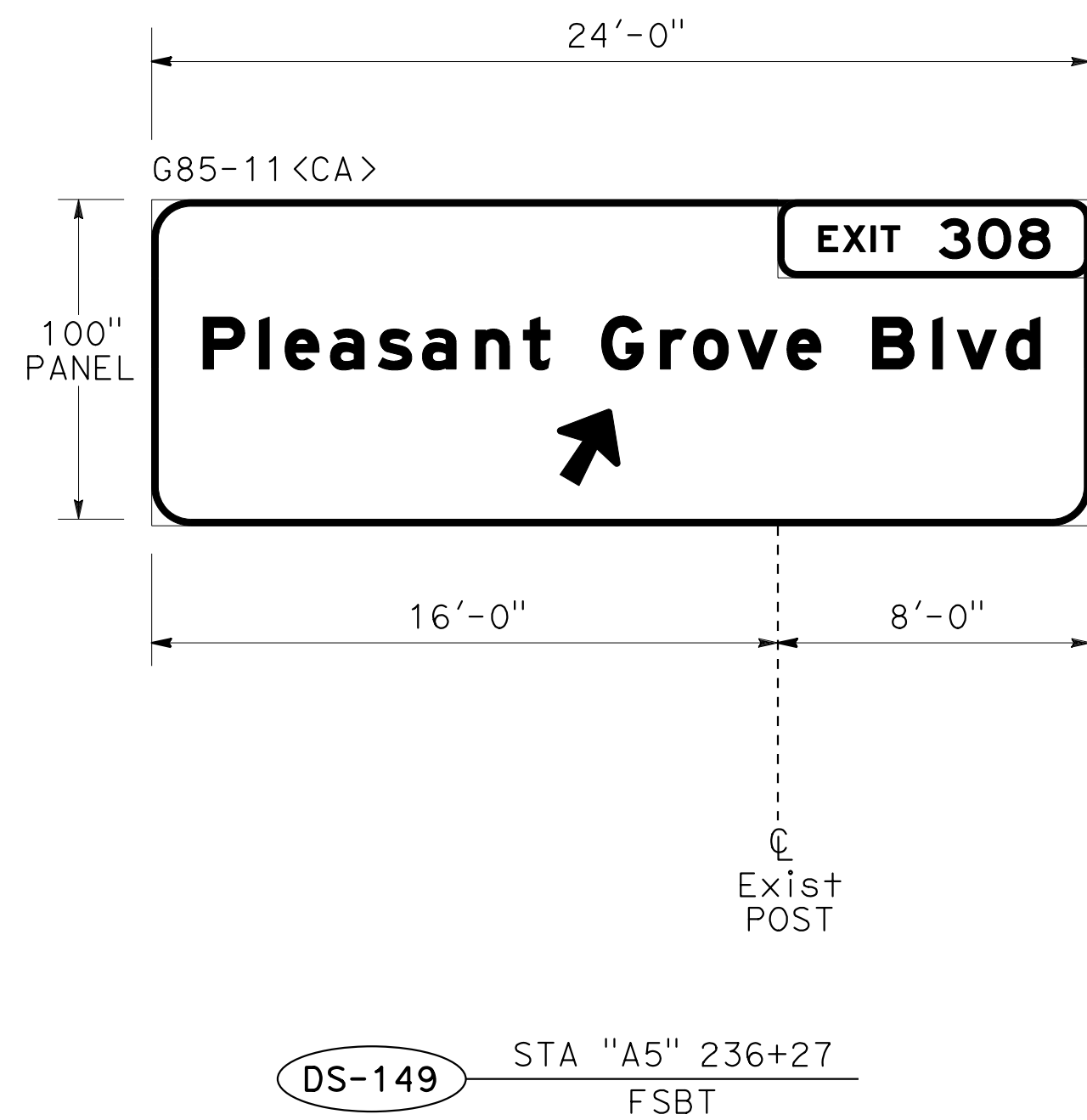
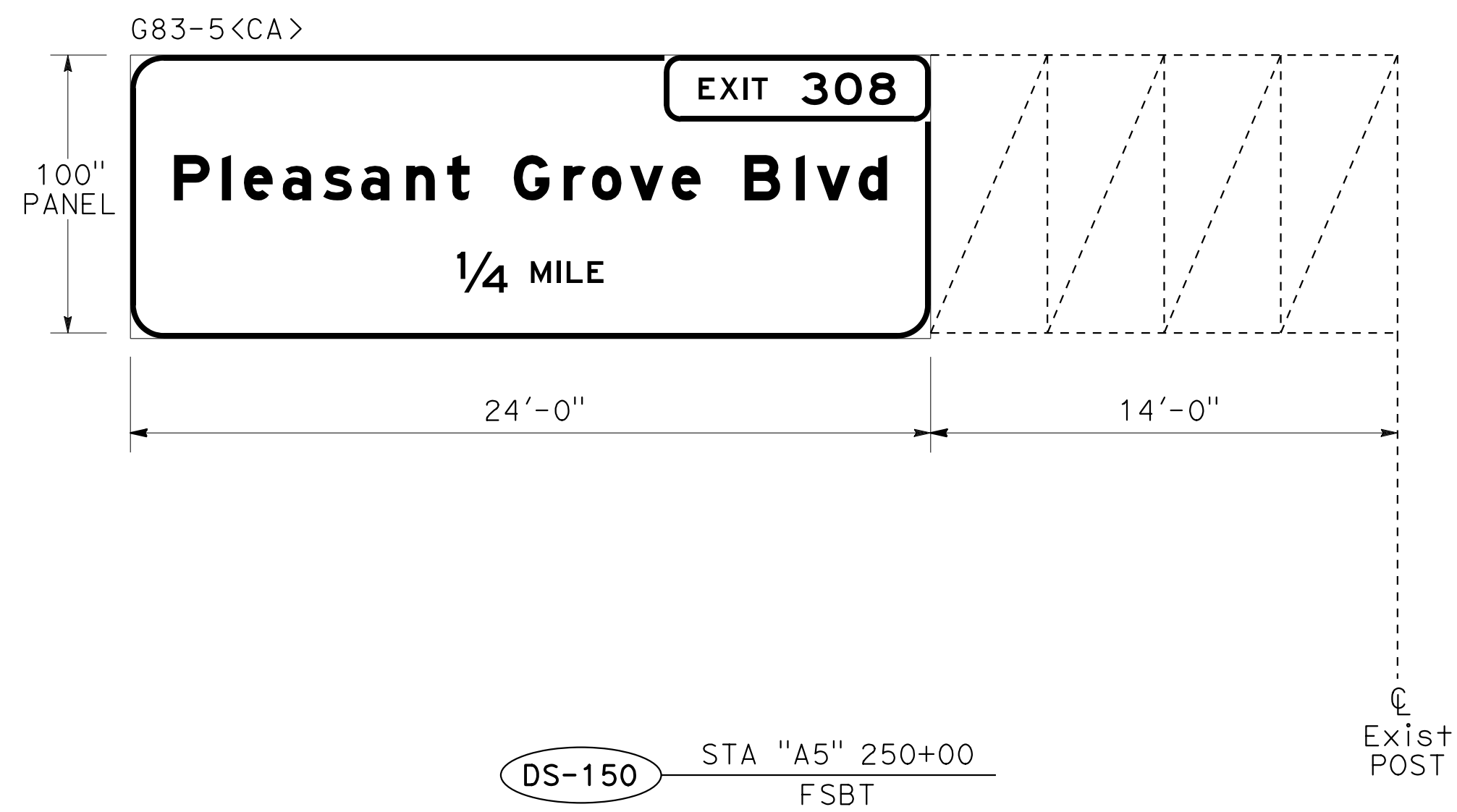
PLANS APPROVAL DATE

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.

PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans	MARK RAYBACK	STEVEN ROBINSON	STEVEN ROBINSON	STEVEN LEUNG
			STEVEN ROBINSON	STEVEN LEUNG



**SIGN DETAILS**  
NO SCALE

**SD-3**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	175	230

**NOTE:**  
ALL SIGN PANEL DIMENSIONS ARE IN INCHES.

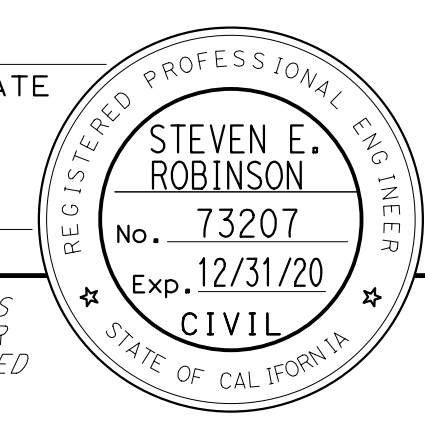
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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.

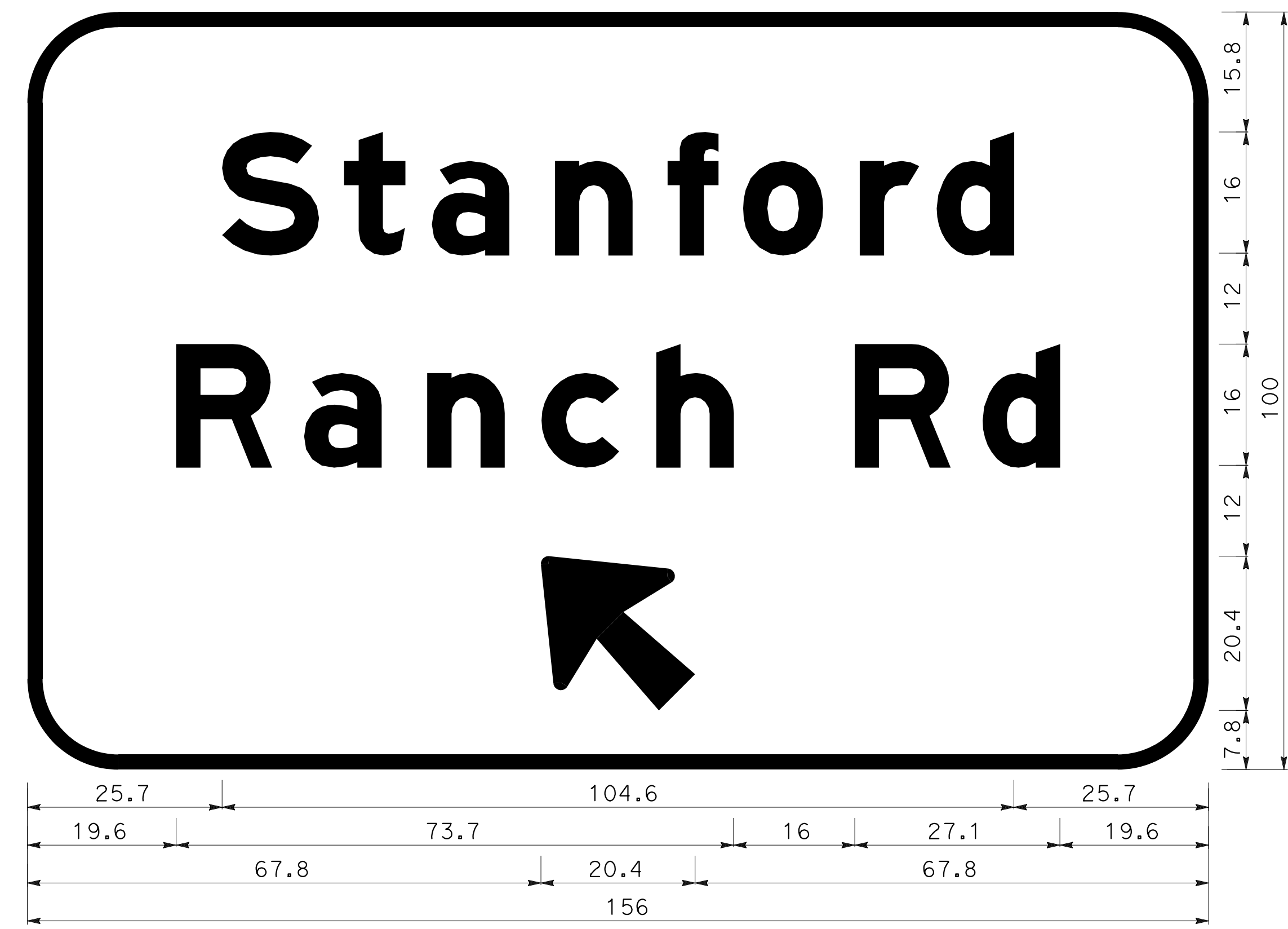
PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



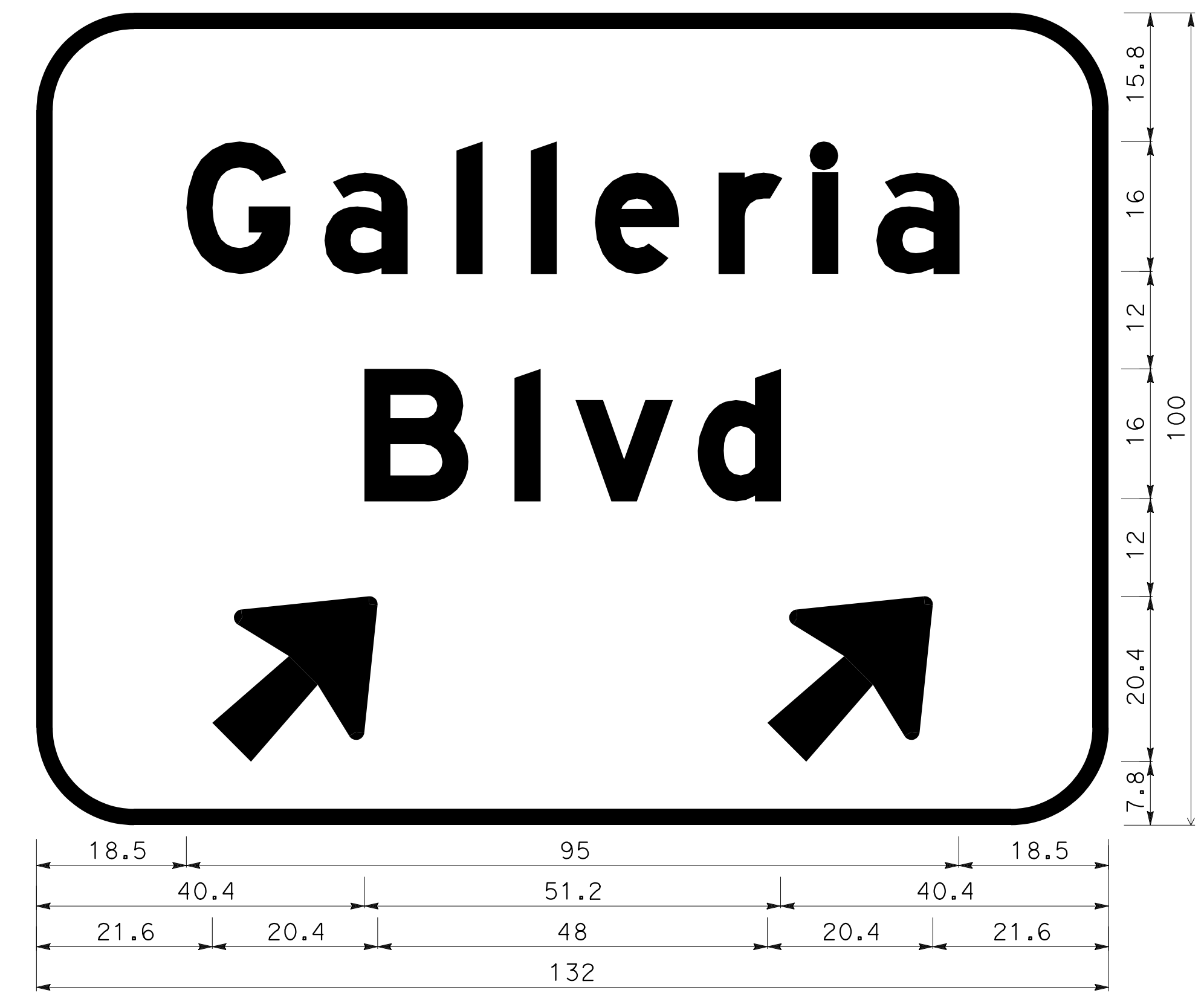
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR	MARK RAYBACK
CALCULATED-DESIGNED BY	CHECKED BY
STEVEN ROBINSON	STEVEN LEUNG
REVISED BY	DATE REVISED



2.0" BORDER WITH 12.0" RADIUS  
"Stanford" E Mod; "Ranch Rd" E Mod;  
ARROW - 16"CAP-1 LINE - 25" 135°

G85-1 <CA>  
DSN-47



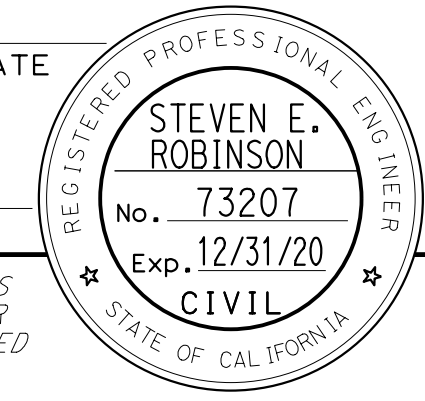
2.0" BORDER WITH 12.0" RADIUS  
"Galleria" E Mod; "Blvd" E Mod;  
ARROWS - 16"CAP-1 LINE - 25" 45°

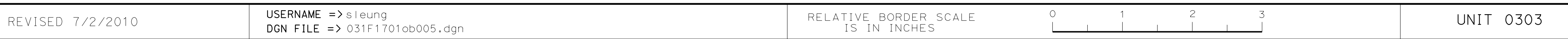
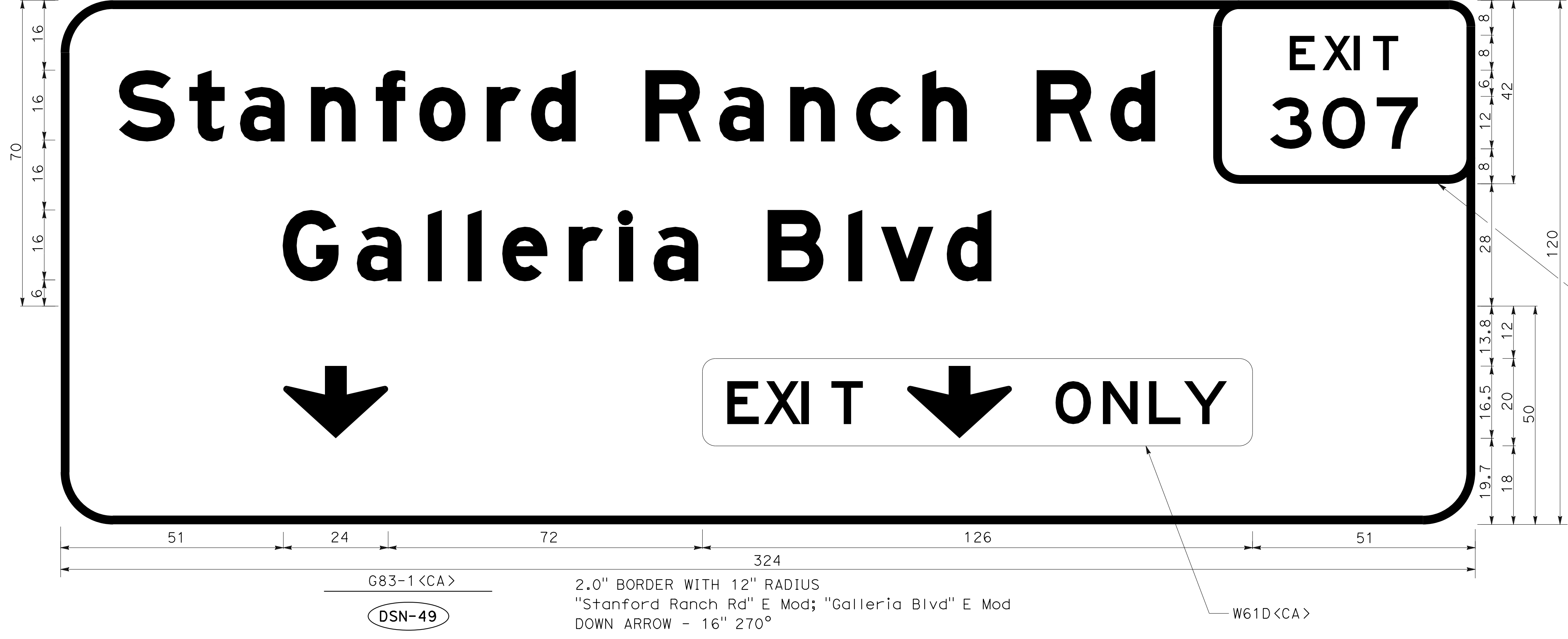
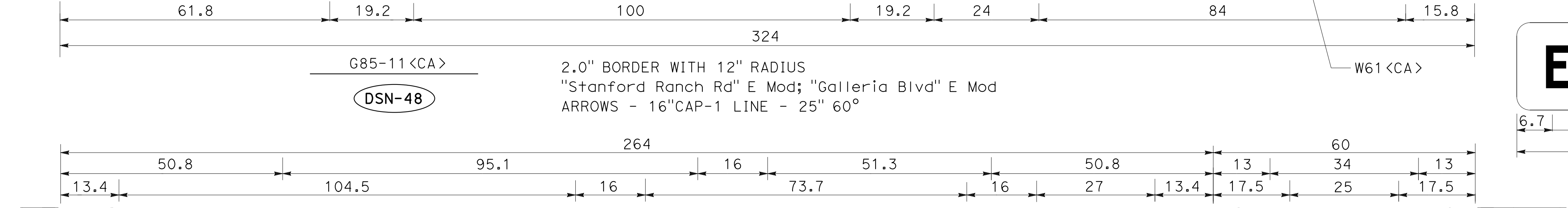
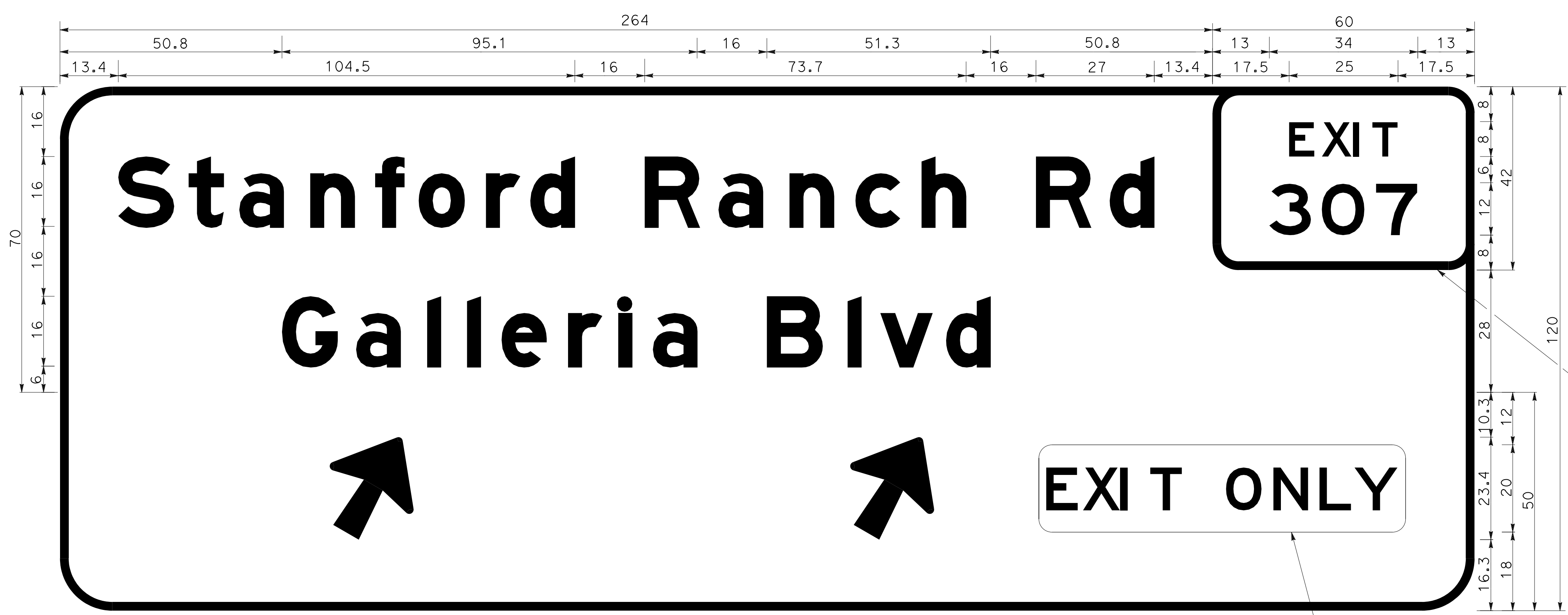
G85-1 <CA>  
DSN-47

**SIGN DETAILS**  
NO SCALE

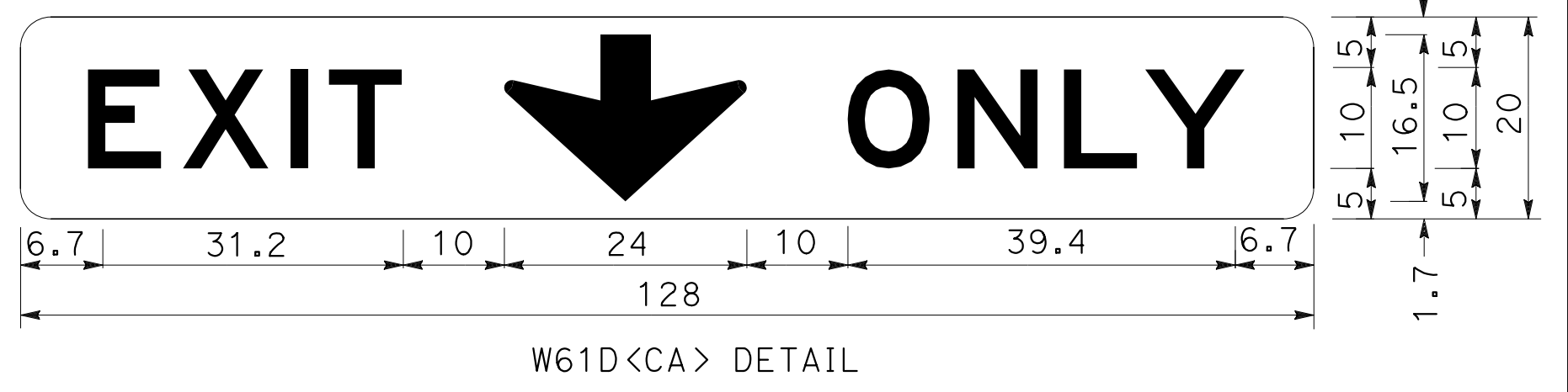
**SD-4**



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	176	230
REGISTERED CIVIL ENGINEER DATE					
PLANS APPROVAL DATE					
					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816		




G70-5 <CA>  
2.0" BORDER WITH 6" RADIUS



G70-5 <CA>  
2.0" BORDER WITH 6" RADIUS

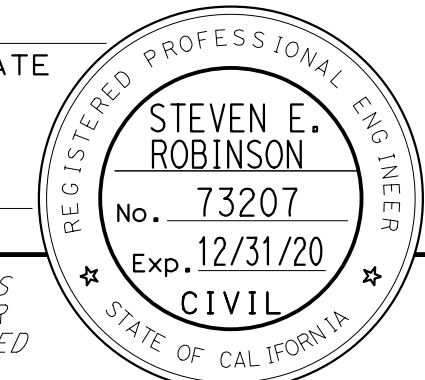
**NOTE:**  
ALL SIGN PANEL DIMENSIONS ARE IN INCHES.

**SIGN DETAILS**  
NO SCALE  
**SD-5**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
	STEVEN ROBINSON	MARK RAYBACK	STEVEN ROBINSON	STEVEN ROBINSON	
	STEVEN LEUNG		STEVEN LEUNG	STEVEN LEUNG	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	177	230

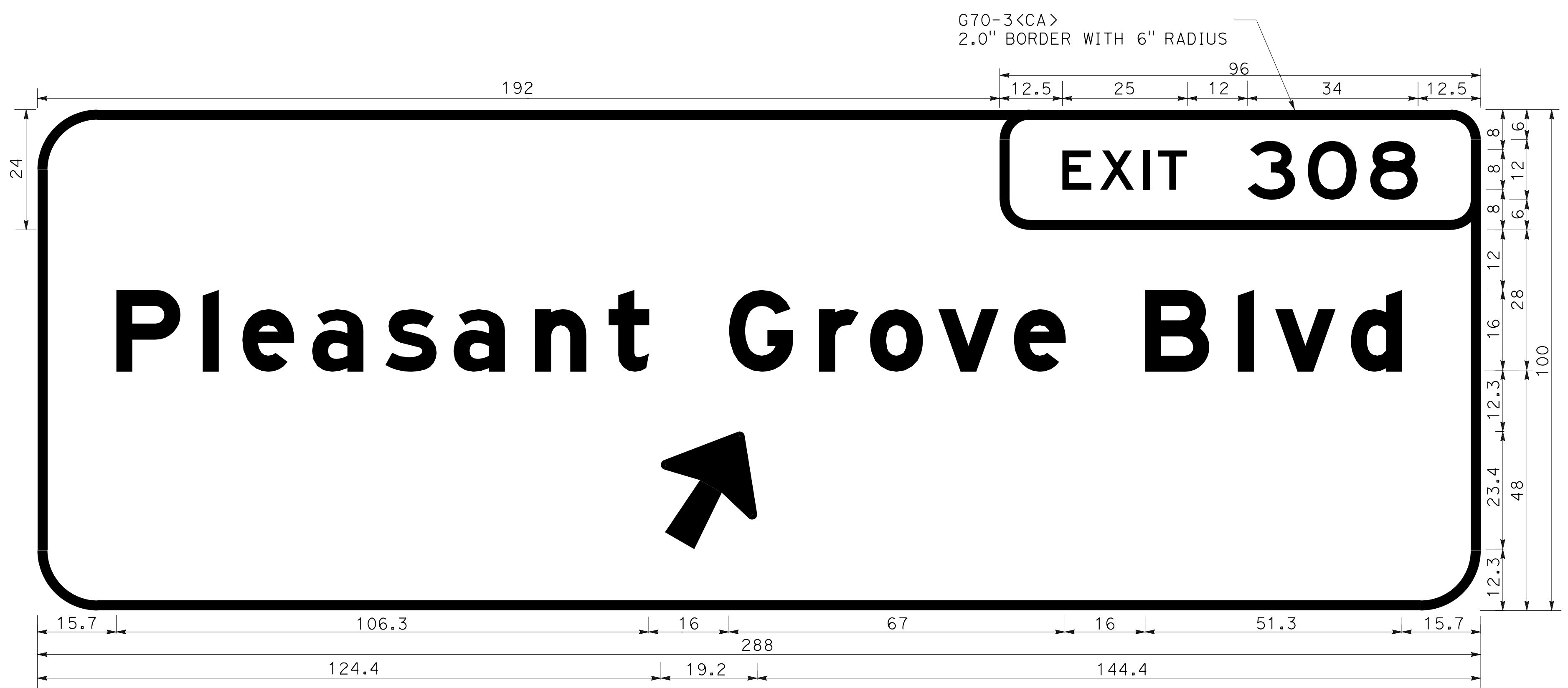
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

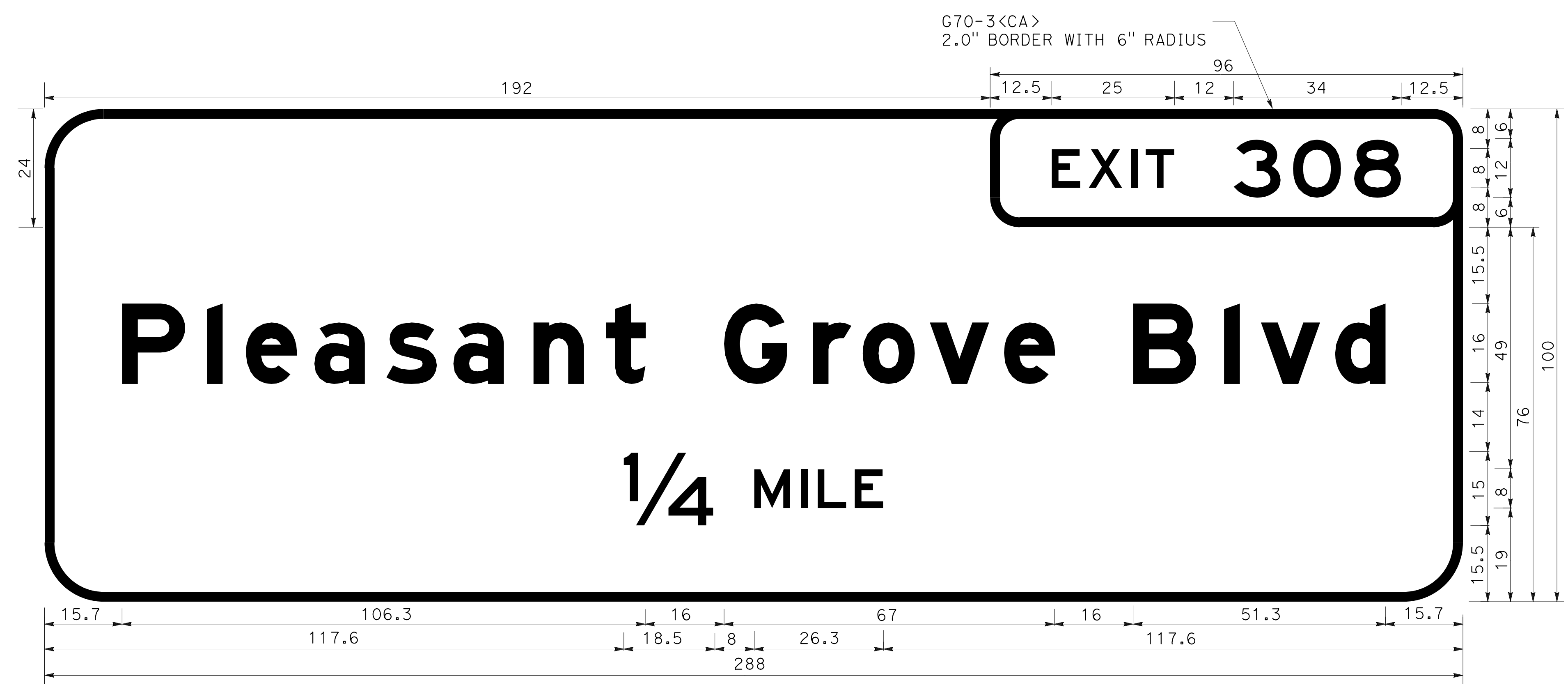
WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

**NOTE:**  
 ALL SIGN PANEL DIMENSIONS ARE IN INCHES.



G85-11<CA>  
 DS-149

2.0" BORDER WITH 12" RADIUS  
 "Pleasant Grove Blvd" E Mod  
 ARROW - 16"CAP-1 LINE - 25" 60°



G83-5<CA>  
 DS-150

2.0" BORDER WITH 12" RADIUS  
 "Pleasant Grove Blvd" E Mod  
 "1/4" E; "MILE" E

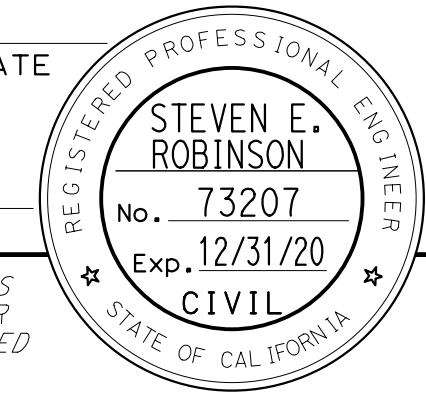
**SIGN DETAILS**  
 NO SCALE

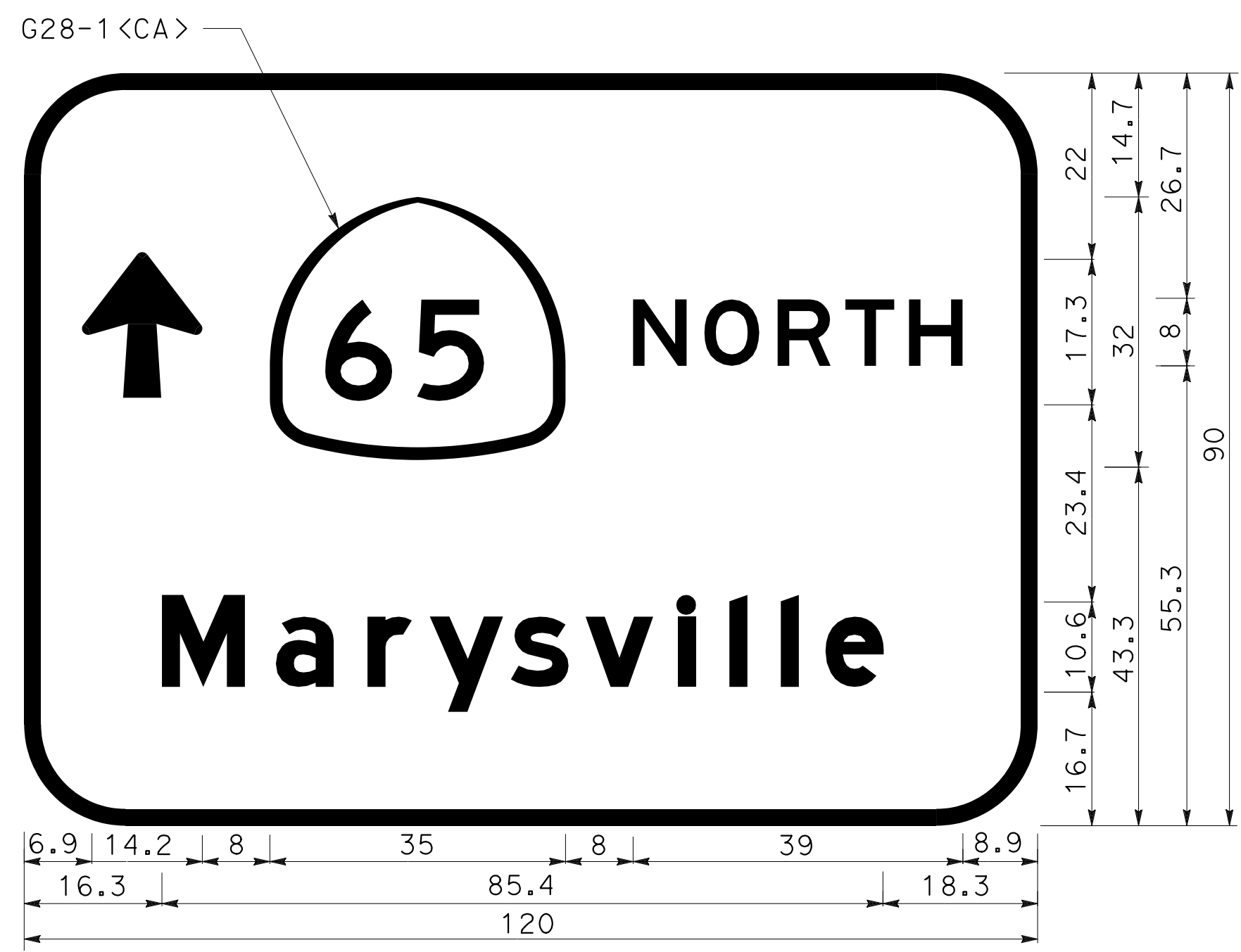
**SD-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT - FUNCTIONAL SUPERVISOR	REVISOR	DATE
Caltrans	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG
	CALCULATED/DESIGNED BY	REVISOR	DATE
	CHECKED BY		

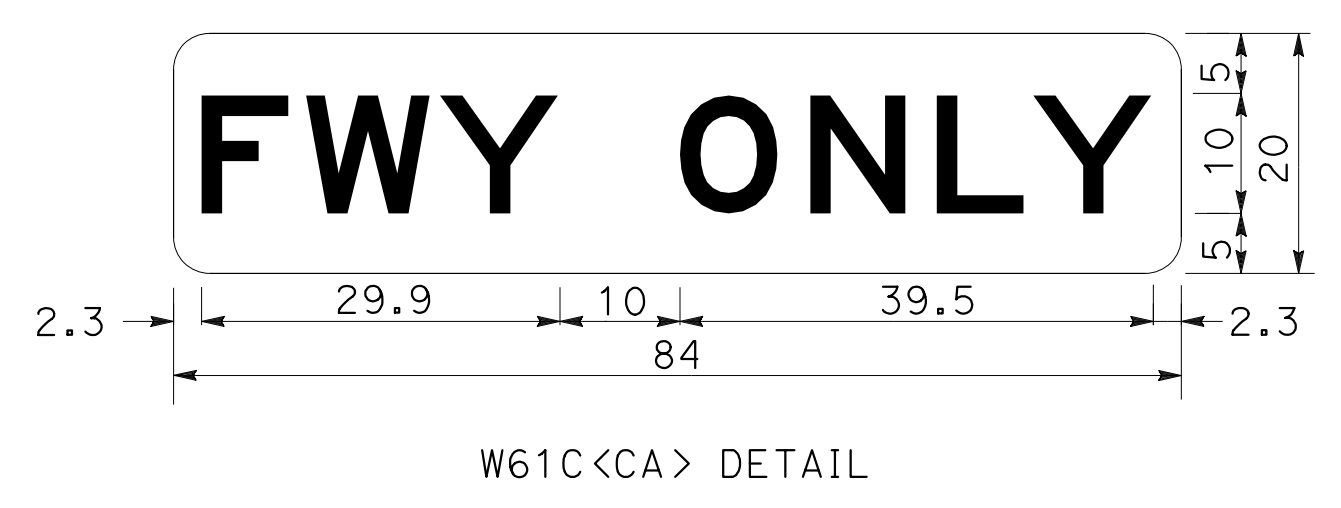
LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:48



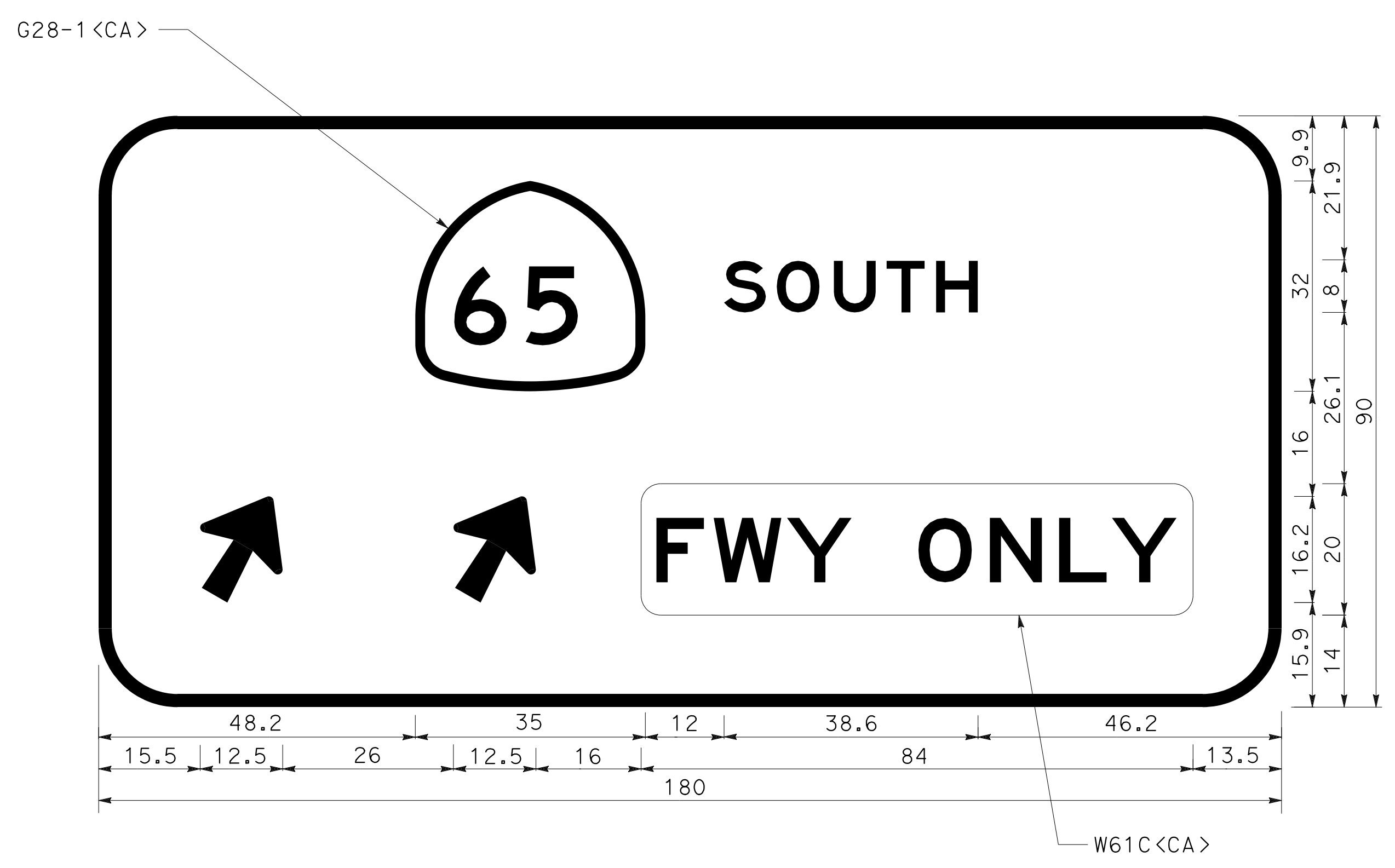
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	178	230
REGISTERED CIVIL ENGINEER			DATE		
PLANS APPROVAL DATE					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816		



G24-5<CA>  
 DS-130  
 2.0" BORDER WITH 12" RADIUS  
 "NORTH" E; "Marysville" E Mod  
 UP ARROW - 10.67" 90°




W61C<CA> DETAIL



G85-6<CA>  
 DS-130  
 2.0" BORDER WITH 12" RADIUS  
 "SOUTH" E  
 ARROWS - 10.67"CAP-1 LINE - 17.3" 60°

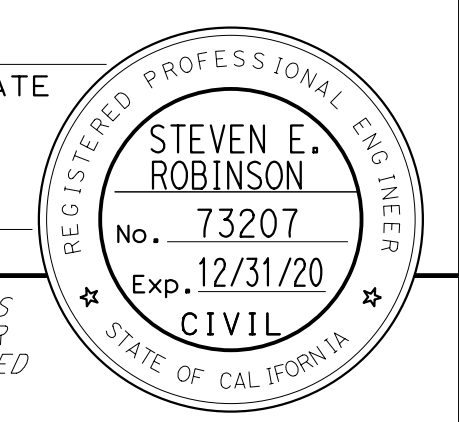
**NOTE:**  
 ALL SIGN PANEL DIMENSIONS ARE IN INCHES.

**SIGN DETAILS**  
 NO SCALE  
**SD-7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	
		CHECKED BY	DATE REVISED	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	179	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



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WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

### ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	FEDERAL CODE	CALIFORNIA CODE	PANEL SIZE ("L"x"D")	"C" DIM IN FEET	POST SIZE AND LENGTH	ROADSIDE SIGN	INSTALL SIGN (SSBM)	RELOCATE ROADSIDE SIGN	REMOVE ROADSIDE SIGN	TREATED WOOD WASTE	REMARKS	
				(in)		METAL POST 2 1/2"x2 1/2"	ONE POST (EA)	(EA)	(EA)	(EA)	(LB)		
S-1	1-1	W3-3		48x48				1				SEE NOTE 7	
	1-2	W3-3		48x48				1				SEE NOTE 7	
S-2	2-1		G8-13<CA>							1	128		
	2-2	W13-2(40)								1	128		
	2-3		G85-5<CA>							1	128		
	2-4	W13-2(40)		36x48				1				SEE NOTE 6	
S-3	3-1		R18AR<CA>	66x48	7	12'		1					
	3-2		W74L<CA>	48x48	7	12'		1					
S-4	4-1		R26A<CA>							1	128		
S-5	5-1	W4-1R								1	128		
	5-2	W4-2R								1	128		
	5-3		R89-2(1)<CA>	48x20								SEE NOTE 5 AND 8	
	5-4		R89-2(1)<CA>	48x20								SEE NOTE 5 AND 8	
	5-5	W4-1R		48x48				1				SEE NOTE 6	
	5-6		R89-2(1)<CA>	48x20								SEE NOTE 5 AND 8	
	5-7	R10-6L		24x36	7	12.5'		1					
	5-8	R10-6R		24x36	7	12.5'		1					
S-6	6-1		R88<CA>	24x36									
	6-2	W4-1R								1	128		
	6-3	W3-3		48x48	7	12'		1					
	6-4		G8-1<CA>						1				
	6-5		R61-31<CA>							1	128		
	6-6		R61-27<CA>	72x45	7	12'		1					
	6-7		R61-30<CA>							1	128		
	6-8		R61-27<CA>	72x45	7	12'		1					
	6-9	W3-3								1	128		
	6-10			G92<CA>									
				G28-2(65)<CA>							1	128	
		M3-3											
	6-11		R61-26<CA>							1	128		
	6-12	W4-1R		48x48	7	12'		1					
	6-13		R91-1(2)<CA>	48x66	7	13.5'		1					
6-14		R91-1(2)<CA>								1	128		
6-15		R91-1(2)<CA>	48x66	7	13.5'		1						
6-16		R89-1<CA>								1	128		
6-17		R89-2(1)<CA>	36x16									SEE NOTE 8 AND 9	
6-18		R89-2(1)<CA>	36x16									SEE NOTE 8 AND 9	
6-19		R90-1<CA>	36x16	7	9.5'		1						
6-20		R91-1(2)<CA>								1	128		
6-21		R10-3eR	9X15									SEE NOTE 10	
6-22		R10-3eL	9X15									SEE NOTE 10	
S-7	7-1	W13-2(40)								1	128		
	7-2		G84-3<CA>						1				
	7-3		G18A<CA>							1	128		
	7-4	W13-2(40)		36x48				1				SEE NOTE 6	
S-8	8-1		W74<CA>						1	128			
SHEET TOTAL								11	5	2	19	2432	

- NOTES:
1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.
  2. POST LENGTHS GIVEN ARE APPROXIMATE.
  3. "C" DIM = VERTICAL CLEARANCE AT ES TO BOTTOM OF SIGN PANEL.
  4. "L" = LENGTH OF SIGN, "D" = DEPTH OF SIGN
  5. SIGN PANEL TO BE MOUNTED ON SIGNAL MAST ARM.
  6. SIGN PANEL TO BE MOUNTED ON ELECTROLIER.
  7. SIGN PANEL TO BE MOUNTED ON TYPE 15-FBS.
  8. SIGN IS INCLUDED IN ELECTRICAL BID ITEM. SHOWN FOR INFORMATION ONLY.
  9. SIGN PANEL TO BE MOUNTED ON SIGNAL STANDARD.
  10. SIGN PANEL TO BE MOUNTED ON PEDESTRIAN PUSH BUTTON.

## SIGN QUANTITIES

### SQ-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans®  
 CONSULTANT: FUNCTIONAL SUPERVISOR: MARK RAYBACK  
 CALCULATED/DESIGNED BY: STEVEN ROBINSON  
 CHECKED BY: STEVEN LEUNG  
 REVISIONS: REVISIONED BY: DATE REVISIONED:

LAST REVISION: DATE PLOTTED => 13-JUL-2020      TIME PLOTTED => 16:48

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	180	230

### ROADSIDE SIGN QUANTITIES (CONTINUED)

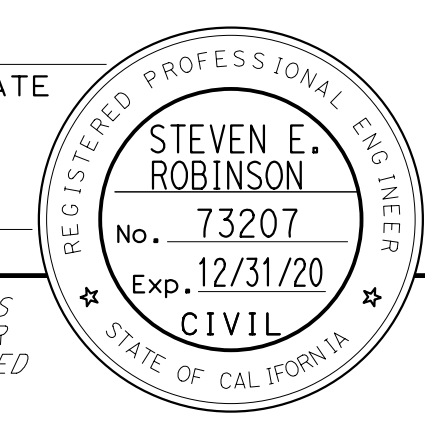
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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.

PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



SHEET No.	SIGN No.	FEDERAL CODE	CALIFORNIA CODE	PANEL SIZE ("L" X "D")	"C" DIM IN FEET	POST SIZE AND LENGTH	ROADSIDE SIGN	INSTALL SIGN (SSBM)	RELOCATE ROADSIDE SIGN	REMOVE ROADSIDE SIGN	TREATED WOOD WASTE	REMARKS	
				(in)		METAL POST 2 1/2" x 2 1/2"	ONE POST (EA)						
S-9	9-1		R88<CA>							1	128		
	9-2	W4-2								1	128		
	9-3		R89-2(1)<CA>	48x20								SEE NOTE 5 AND 8	
	9-4		R89-2(1)<CA>	48x20								SEE NOTE 5 AND 8	
	9-5	W4-1								1	128		
	9-6	W4-3			48x48	7	12'	1					
	9-7		R89-2(1)<CA>	48x20								SEE NOTE 5 AND 8	
	9-8	R10-6R			24x36	7	12.5'	1					
	9-9	R10-6L			24x36	7	12.5'	1					
	9-10		R89<CA>		36x9								
S-10	10-1		R90-1<CA>	24x30	7	10.5'	1						
	10-2		R91-1(2)<CA>							1	128		
	10-3		R91-1(2)<CA>							1	128		
	10-4		G92<CA>										
		M3-3	G28-2(65)<CA>							1	128		
	10-5		G43<CA>										
	10-5		R94<CA>							1	128		
	10-6	R5-10a			30x36	7	14.5'	1					
	10-7		G92<CA>										
		M3-3	G28-2(65)<CA>							1	128		
	10-8		G44<CA>		48x30	2	11'	1					
		M3-3	G28-2(65)<CA>	35x32									
			G44<CA>	21x15									
	10-9		R91-1(2)<CA>	48x66	7	13.5'	1						
10-10		R91-1(2)<CA>	48x66	7	13.5'	1							
10-11		R91-1(2)<CA>	48x66	7	13.5'	1							
10-12		G92<CA>		48x30	2	11'	1						
	M3-3	G28-2(65)<CA>	35x32										
		G43<CA>	21x15										
10-13	W3-8			36x36							SEE NOTE 7 AND 8		
10-14	W3-8			36x36							SEE NOTE 7 AND 8		
S-11	11-1		R91-1(2)<CA>	48x66	7	13.5'	1						
	11-2	W4-3								1	128		
	11-3		R91-1(2)<CA>	48x66	7	13.5'	1						
	11-4		G92<CA>										
		M3-3	G28-2(65)<CA>							1	128		
	11-5		G44<CA>										
	11-5		R90-1<CA>	24x30	7	10.5'	1						
11-6	W3-7			36x36							SEE NOTE 7 AND 8		
11-7	W3-8			36x36							SEE NOTE 7 AND 8		
SHEET TOTAL							13			11	1408		
SHEET SQ-1 TOTAL							11	5	2	19	2432		
GRAND TOTAL							24	5	2	30	3840		

**NOTES:**

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.
2. POST LENGTHS GIVEN ARE APPROXIMATE.
3. "C" DIM = VERTICAL CLEARANCE AT ES TO BOTTOM OF SIGN PANEL.
4. "L" = LENGTH OF SIGN, "D" = DEPTH OF SIGN
5. SIGN PANEL TO BE MOUNTED ON SIGNAL MAST ARM.
6. SIGN PANEL TO BE MOUNTED ON ELECTROLIER.
7. SIGN PANEL TO BE MOUNTED ON TYPE 15-FBS.
8. SIGN IS INCLUDED IN ELECTRICAL BID ITEM. SHOWN FOR INFORMATION ONLY.
9. SIGN PANEL TO BE MOUNTED ON SIGNAL STANDARD.

## SIGN QUANTITIES SQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans®  
 CONSULTANT - FUNCTIONAL SUPERVISOR  
 MARK RAYBACK  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 STEVEN ROBINSON  
 STEVEN LEUNG  
 REVISED BY  
 DATE REVISED

USERNAME => sluong  
DGN FILE => 031F1701od002.dgn

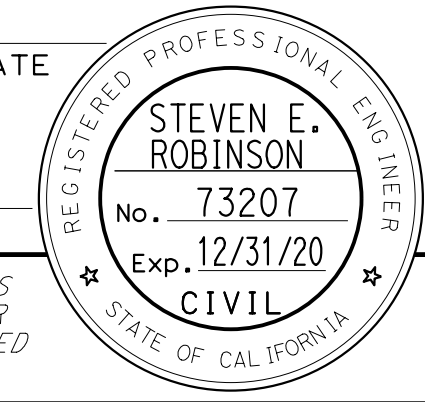


UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020  
 00-00-00 TIME PLOTTED => 16:48

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	181	230
REGISTERED CIVIL ENGINEER DATE					
					
PLANS APPROVAL DATE					
<small>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.</small>					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816		

**NOTES:**

1. ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS A CALIFORNIA SIGN CODE.
2. <CA> = CALIFORNIA SIGN CODE
3. FY - FLUORESCENT YELLOW
4. FYG = FLUORESCENT YELLOW-GREEN
5. (N) - NOT A SEPARATE PAY ITEM. FOR INFORMATION ONLY.

**SIGN PANEL QUANTITIES**

SIGN CODE	No. OF SIGNS	PANEL SIZE ("L"x"D")	SIGN AREA	PROTECTIVE-OVERLAY FILM (PREMIUM)	BACKGROUND		LEGEND		FURNISH SINGLE SHEET ALUMINUM SIGN		FURNISH SINGLE SHEET ALUMINUM SIGN FOR RETROREFLECTIVE SHEETING (TYPE XI)	FURNISH LAMINATED PANEL SIGN (1"-TYPE A) FOR RETROREFLECTIVE SHEETING (TYPE XI)	RETROREFLECTIVE SHEETING (TYPE XI)	SIGN MESSAGE / DESCRIPTION	REMARKS			
					SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	UNFRAMED							UNFRAMED		
									0.063"	0.080"						0.063"	0.063"	0.080"
									SQFT	SQFT						SQFT	SQFT	SQFT
R5-10a	1	30x36	7.5	X	WHITE	IX	BLACK		7.5						NO PEDESTRIANS BICYCLES MOTOR-DRIVEN CYCLES			
R10-3eL	1	9X15	0.94	X	WHITE	IX	BLACK, ORANGE		10.3						COUNT-DOWN PEDESTRIAN PLAQUE WITH LEFT ARROW			
R10-3eR	1	9X15	0.94	X	WHITE	IX	BLACK, ORANGE		10.3						COUNT-DOWN PEDESTRIAN PLAQUE WITH RIGHT ARROW			
R10-6L	2	24x36	6	X	WHITE	IX	BLACK		12						"STOP HERE ON RED"			
R10-6R	2	24x36	6	X	WHITE	IX	BLACK		12						"STOP HERE ON RED"			
R18AR<CA>	1	66x48	22	X	WHITE	IX	BLACK				22				"RIGHT LANE MUST EXIT"			
R61-27<CA>	2	72x45	22.5	X	WHITE	IX	BLACK				45				LEFT TURN ONLY, RIGHT TURN ONLY (SYMBOL)			
R89<CA>	4	36x9	2.25	X	WHITE	IX	BLACK		9						"1 CAR PER GREEN"			
R89-2(1)<CA>	5	48x20	6.7	X	WHITE	IX	BLACK			33.3					"1 CAR PER GREEN"			
R90-1<CA>	2	24x30	5	X	WHITE	IX	BLACK		10						"ALL VEHICLES STOP ON RED"			
R91-1(2)<CA>	7	48x66	22	X	WHITE	IX	BLACK			154					"LEFT LANE HOV 2+; 2 OR MORE ONLY WHEN METERED"			
W3-3	3	48x48	16	X	FY	XI	BLACK RED, GREEN	XI				48	48		SIGNAL AHEAD (SYMBOL)			
W3-7	1	36x36	9	X	FY	XI	BLACK				9		9		"RAMP METER AHEAD"			
W3-8	1	36x36	9	X	FY	XI	BLACK				9		9		"RAMP METERED WHEN FLASHING"			
W4-1R	2	48x48	16	X	FY	XI	BLACK					32	32		MERGE RIGHT (SYMBOL)			
W4-3	1	48x48	16	X	FY	XI	BLACK					16	16		ADDED LANE (SYMBOL)			
W13-2(40)	2	36x48	12	X	FY	XI	BLACK				24		24		ADVISORY EXIT SPEED (SYMBOL)			
W74L<CA>	1	48x48	16	X	FY	XI	BLACK					16	16		"THRU TRAFFIC MERGE LEFT"			
M3-3	2	36x18	4.5		WHITE	IX	BLACK		9						"SOUTH"			
G24-5<CA>	1	120x90	75	X	GREEN	XI	WHITE	XI				75	75		STATE ROUTE MARKER 65 NORTH; MARYSVILLE	SEE SHEET SD-7		
G28-2(65)<CA>	2	35x32	8	X	GREEN	XI	WHITE	XI			16		16		STATE ROUTE MARKER			
G43<CA>	1	21x15	2.5	X	GREEN	XI	WHITE	XI			2.5		2.5		DIRECTIONAL ARROW AUXILIARY			
G44<CA>	2	21x15	2.5	X	GREEN	XI	WHITE	XI			5		5		DIRECTIONAL ARROW AUXILIARY			
G85-6<CA>	1	180x90	113	X	GREEN	XI	WHITE	XI				113	113		STATE ROUTE MARKER 65 SOUTH; FWY ONLY	SEE SHEET SD-7		
G85-11<CA>	1	324x120	270	X	GREEN	XI	WHITE	XI				270	270		Stanford Ranch Rd; Galleria Blvd	SEE SHEET SD-5		
G83-1<CA>	1	324x120	270	X	GREEN	XI	WHITE	XI				270	270		Stanford Ranch Rd; Galleria Blvd	SEE SHEET SD-5		
G83-5<CA>	1	288x100	200	X	GREEN	XI	WHITE	XI				200	200		Pleasant Grove Blvd	SEE SHEET SD-6		
G85-11<CA>	1	288x100	200	X	GREEN	XI	WHITE	XI				200	200		Pleasant Grove Blvd	SEE SHEET SD-6		
G92<CA>	2	48x30	10	X	GREEN	XI	WHITE	XI				20	20		"FREEWAY ENTRANCE"			
G85-1<CA>	1	132x100	91.7	X	GREEN	XI	WHITE	XI				91.7	91.7		Galleria Blvd	SEE SHEET SD-4		
G85-1<CA>	1	156x100	108.3	X	GREEN	XI	WHITE	XI				108.3	108.3		Stanford Ranch Rd	SEE SHEET SD-4		
TOTAL									80.1	187.3	67	65.5	132	1328	1525.5			

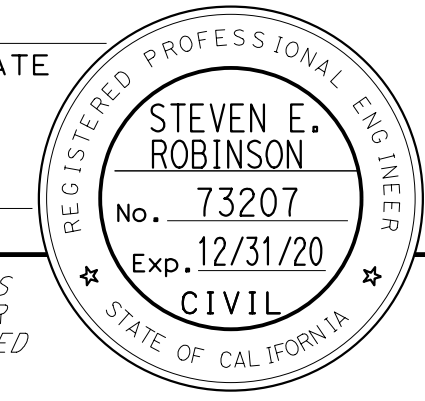
**SIGN QUANTITIES**  
**SQ-3**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	182	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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.



PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

**NOTE:**

1. OVERHEAD SIGN PANELS SHALL BE LAMINATED PANELS TYPE A.

**OVERHEAD SIGN QUANTITIES**

SIGN NUMBER	SHEET NUMBER	FURNISH SIGN STRUCTURE (TRUSS)	INSTALL SIGN STRUCTURE (TRUSS)	60" CIDH CONCRETE PILE (SIGN FOUNDATION)	REMOVE SIGN STRUCTURE	INSTALL SIGN PANEL ON EXISTING FRAME	
		LB	LB			EA	PANEL SIZE
DSN-47	S-2	23,870	23,870	25			
DSN-48	S-2	18,470	18,470	23			
DSN-49	S-4	24,020	24,020	25			
DS-149	S-7					288" X 100"	200.00
DS-150	S-8					288" X 100"	200.00
DS-130	S-10	23,450	23,450	25			
DS-130 (Exist)	S-10				1		
TOTAL		89,810	89,810	98	1		400.00

**SIGN QUANTITIES**  
**SQ-4**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	182	230

### ROADWAY QUANTITIES

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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AUBURN, CA 95603

JACOBS  
2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 95833

REGISTERED PROFESSIONAL ENGINEER  
**LAUREN C. REINKING**  
 No. C 79949  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

STATION	DIRECTION	ROADWAY EXCAVATION	EMBANKMENT (N)	CLASS 2 AGGREGATE BASE	ASPHALT TREATED PERMEABLE BASE	HOT MIX ASPHALT (TYPE A)	RUBBERIZED HOT MIX ASPHALT (GAP-GRADED)	RUBBERIZED HOT MIX ASPHALT (OPEN GRADED FRICTION COURSE)	REMOVE BASE AND SURFACING	MINOR CONCRETE (MINOR STRUCTURE)	COLD PLANE ASPHALT CONCRETE PAVEMENT	PLACE HOT MIX ASPHALT DIKE (TYPE C)	PLACE HOT MIX ASPHALT DIKE (TYPE E)	PLACE HOT MIX ASPHALT DIKE (TYPE F)
	Lt/Rt	CY	CY	CY	CY	TON	TON	TON	CY	CY	SQYD	LF	LF	LF
"A5" 158+50.00 TO "A5" 159+00.00	Lt							3			122			
"A5" 159+00.00 TO "A5" 207+12.80	Lt	34533	11299	12362	1627	2633	2625	1309						
"A5" 165+96.89 TO "A5" 169+60.31	Lt								211					
"A5" 173+69.91 TO "A5" 175+76.00	Lt					3								206
"A5" 175+76.00 TO "A5" 176+51.00	Lt					1						75		
"A5" 176+51.00 TO "A5" 176+61.00	Lt					1								
"A5" 176+51.00 TO "A5" 177+00.00	Lt					0.3							49	
"A5" 177+00.00 TO "A5" 193+00.00	Lt			236		320								
"A5" 190+81.75 TO "P5" 201+63.29	Lt					15								1081
"A5" 207+12.80 TO "A5" 219+70.02	Lt			3491		1674	744	372						
"A5" 210+68.78 TO "A5" 213+84.35	Lt			40		54								
"A5" 213+84.35 TO "A5" 218+01.66	Lt			33		45								
"A5" 218+01.66 TO "A5" 219+70.02	Lt			14		19								
"A5" 219+70.02 TO "A5" 237+48.69	Lt			3272	431	696	687	340						
"A5" 224+36.60 TO "A5" 229+77.83	Lt								58					
"A5" 235+55.38 TO "A5" 236+08.38	Lt							2			65			
"A5" 237+48.68 TO "A5" 237+98.68	Lt							2			61			
"G1" 160+50.00 TO "G1" 161+00.00	Lt							3			124			
"G1" 161+00.00 TO "G1" 170+29.98	Lt	2134	4546	1690		684	453	225						
"G1" 169+92.81 TO "A5" 173+69.91	Lt					10							375	
"G2" 156+38.72 TO "G2" 156+88.72	Lt							5			190			
"G2" 156+88.72 TO "G2" 159+48.56	Lt					7							270	
"G2" 156+88.72 TO "G2" 165+21.57	Lt	3407	643	1612		652	433	216						
"G2" 159+48.56 TO "G2" 161+09.50	Lt					2								156
"G2" 161+09.50 TO "G2" 161+86.74	Lt					1						75		
"G2" 161+86.74 TO "G1" 165+45.80	Lt					9							356	
"P5" 201+63.29 TO "P5" 202+25.43	Lt					0.5						62		
"P5" 207+13.41 TO "P5" 222+32.30	Lt	2367	936	3411		1380	912	453						
"P5" 216+87.38 TO "P5" 219+21.52	Lt								444					
"P5" 221+10.00 TO "P5" 221+30.00	Lt							3			50			
"P4" 219+70.33 TO "P4" 221+67.03	Lt													
"P4" 219+70.33 TO "P4" 221+15.00	Lt			12		16								
"P4" 219+70.63 TO "P4" 227+48.73	Lt	2789	196	1714		693	459	228						
"P4" 220+03.96 TO "P4" 220+13.14	Lt								8					
"P4" 220+13.14 TO "P4" 220+97.59	Lt					1						85		
"P4" 227+48.73 TO "P4" 227+98.73	Lt							6			224			
"P3" 219+38.09 TO "P3" 219+89.09	Lt							7			272			
"P3" 219+89.09 TO "P3" 232+01.18	Lt	3744	149	2535		1026	682	340						
"P3" 225+35.00 TO "P3" 233+28.47	Lt					21							779	
"P3" 225+81.80 TO "P3" 228+65.74	Rt								70					
"B4" 261+72.50 TO "B4" 262+22.50	Lt							3			137			
"B4" 262+22.50 TO "B4" 273+83.17	Lt	1367	817	1366		552	362	179						
"B4" 273+83.17 TO "B4" 274+34.15	Lt							2			56			
PLEASANT GROVE Blvd						2							82	
<b>TOTAL</b>		<b>50341</b>	<b>18586</b>	<b>31788</b>	<b>2058</b>	<b>10517</b>	<b>7357</b>	<b>3698</b>	<b>783</b>	<b>8</b>	<b>1301</b>	<b>297</b>	<b>1911</b>	<b>1443</b>

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

**Caltrans**

CONSULTANT FUNCTIONAL SUPERVISOR: C. BENSON

CALCULATED/DESIGNED BY: A. WONG

CHECKED BY: G. MANOREK

REVISED BY: \_\_\_\_\_

DATE REVISED: \_\_\_\_\_

## SUMMARY OF QUANTITIES

### Q-1

LAST REVISION DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 14:11



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	183	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 STE 600  
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### BARRIER SUMMARY

STATION	DIRECTION	MIDWEST GUARDRAIL SYSTEM	VEGETATION CONTROL (MINOR CONCRETE)	TRANSITION RAILING (TYPE WB-31)	END ANCHOR ASSEMBLY (TYPE SFT)	ALTERNATIVE IN-LINE TERMINAL SYSTEM	CHAIN LINK FENCE (TYPE CL-6)	REMOVE FENCE
	Lt/Rt	LF	SQYD	EA	EA	EA	LF	LF
"A5" 173+59.94 TO "A5" 176+38.50	Lt		108					
"A5" 173+69.91	Lt				1			
"A5" 173+76.13 TO "A5" 175+76.00	Lt	200						
"A5" 175+76.00 TO "A5" 176+26.00	Lt					1		
"A5" 182+72.49 TO "A5" 186+32.47	Lt						360	360
"A5" 190+71.75 TO "P5" 202+25.79	Lt		448					
"A5" 190+81.75	Lt				1			
"A5" 190+88.00 TO "P5" 201+63.29	Lt	1075						
"A5" 198+94.24 TO "A5" 199+52.60	Lt						64	
"A5" 198+94.24 TO "A5" 200+37.29	Lt						66	
"A5" 200+10.07 TO "A5" 200+56.00	Lt							179
"G1" 165+45.43	Lt				1			
"G1" 165+35.47 TO "G1" 169+50.89	Lt		166					
"G1" 165+51.65 TO "G1" 168+88.63	Lt	350						
"G1" 167+47.05 TO "G1" 171+43.46	Lt						404	404
"G1" 168+88.63 TO "G1" 169+38.39	Lt					1		
"G2" 159+38.26 TO "G2" 161+73.90	Lt		89					
"G2" 159+48.56	Lt				1			
"G2" 159+55.00 TO "G2" 161+09.50	Lt	150						
"G2" 161+09.50 TO "G2" 161+61.00	Lt					1		
"P5" 201+63.29 TO "P5" 202+13.29	Lt					1		
"P5" 213+00.20 TO "P5" 214+20.39	Lt		44					
"P5" 213+10.66	Lt				1			
"P5" 213+17.14 TO "P5" 213+56.33	Lt	37.5						
"P5" 213+56.33 TO "P5" 214+09.09	Lt					1		
"P4" 220+13.14 TO "P4" 220+37.95	Lt			1				
"P4" 220+14.34 TO "P4" 221+77.94	Lt		217					
"P4" 220+37.95 TO "P4" 220+87.57	Lt					1		
"B4" 263+29.36 TO "B4" 264+47.89	Lt		45					
"B4" 263+45.92 TO "B4" 263+84.15	Lt	37.5						
"B4" 263+39.55	Lt				1			
"B4" 263+84.15 TO "B4" 264+35.20	Lt					1		
<b>TOTAL</b>		<b>1850</b>	<b>1117</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>894</b>	<b>943</b>

### TEMPORARY WATER POLLUTION CONTROL QUANTITIES

SHEET NO.	TEMPORARY FIBER ROLL	TEMPORARY CHECK DAM	TEMPORARY CONSTRUCTION ENTRANCE	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	TEMPORARY DRAINAGE INLET PROTECTION	
					TYPE 3A	TYPE 3B
	LF	LF	EA	SQYD	EA	EA
WPC-1	4944	40	2	3777	1	2
WPC-2	5439	70	1	5079	2	1
WPC-3	5306	0	1	7534	0	0
WPC-4	6430	850	1	5045	0	0
WPC-5	4438	0	2	5005	0	0
WPC-6	8500	180	3	5617	1	1
WPC-7	2156	150	0	1060	4	1
WPC-8	0	0	0	0	0	0
WPC-9	643	0	0	971	0	0
WPC-10	1727	0	1	1661	0	0
WPC-11	2441	0	2	2131	0	1
<b>SUBTOTAL</b>	<b>42024</b>	<b>1290</b>	<b>13</b>	<b>37880</b>	<b>8</b>	<b>6</b>
<b>TOTAL</b>	<b>42024</b>	<b>1290</b>	<b>13</b>	<b>37880</b>	<b>14</b>	

## SUMMARY OF QUANTITIES

### Q-2

LAST REVISION: DATE PLOTTED => 24-JUL-2020 00-00-00 TIME PLOTTED => 14:13



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Plc	65	R5.7/R8.2	184	214

4/01/20  
REGISTERED CIVIL ENGINEER DATE

LUCAS R MINER  
No. 84268  
Exp. 9/30/2021  
CIVIL  
STATE OF CALIFORNIA

PLANS APPROVAL DATE

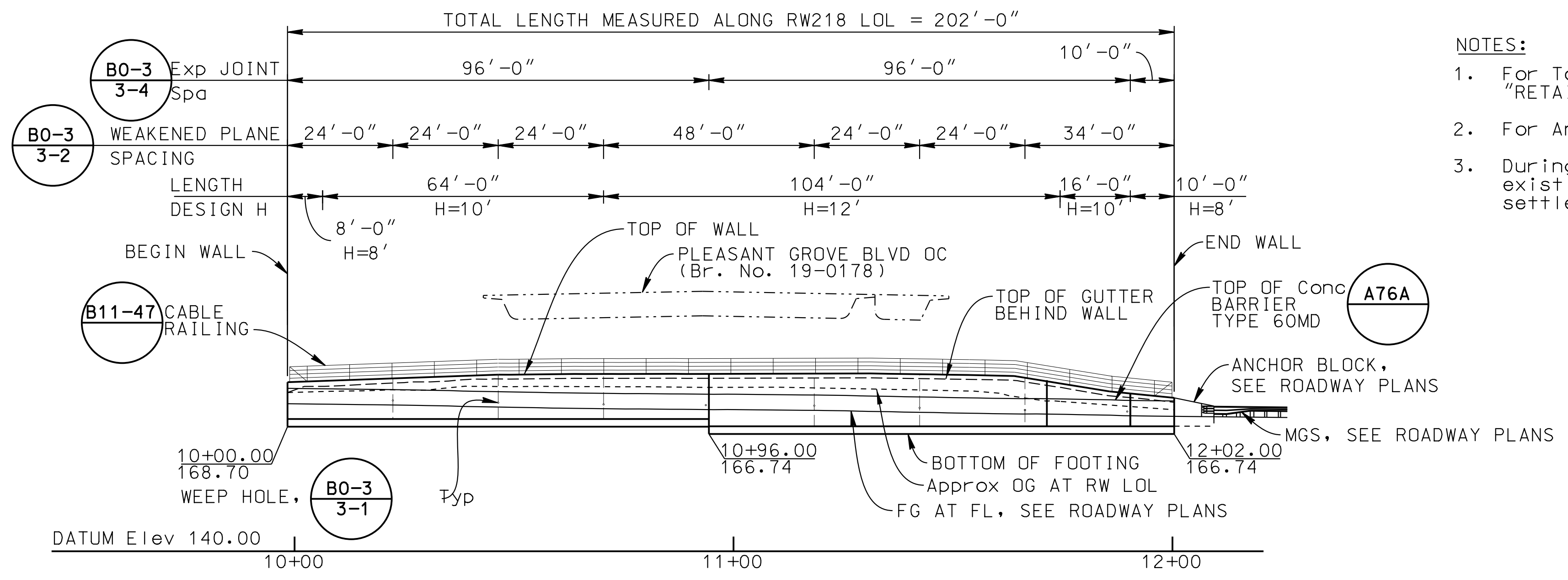
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AUBURN, CA 95603

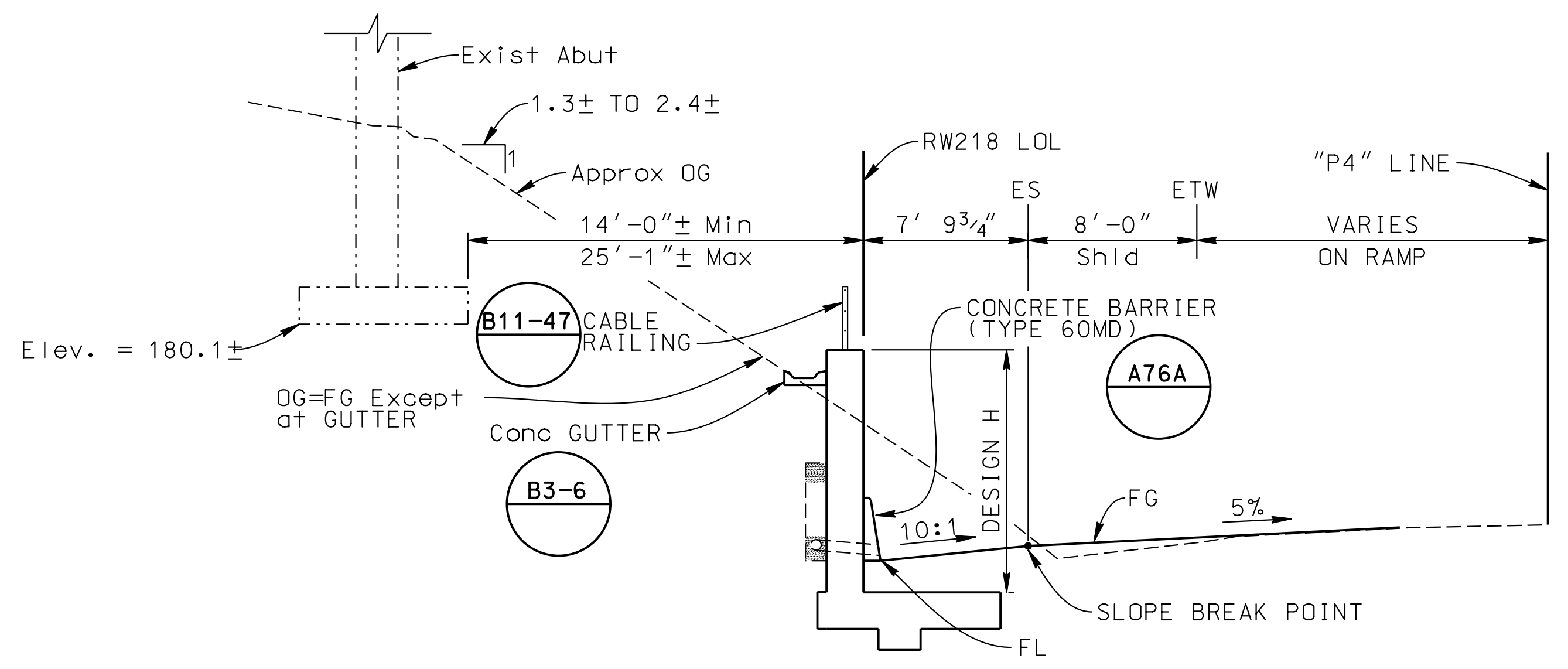
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2485 NATOMAS PARK DR.  
STE 600  
SACRAMENTO, CA 96833

**NOTES:**

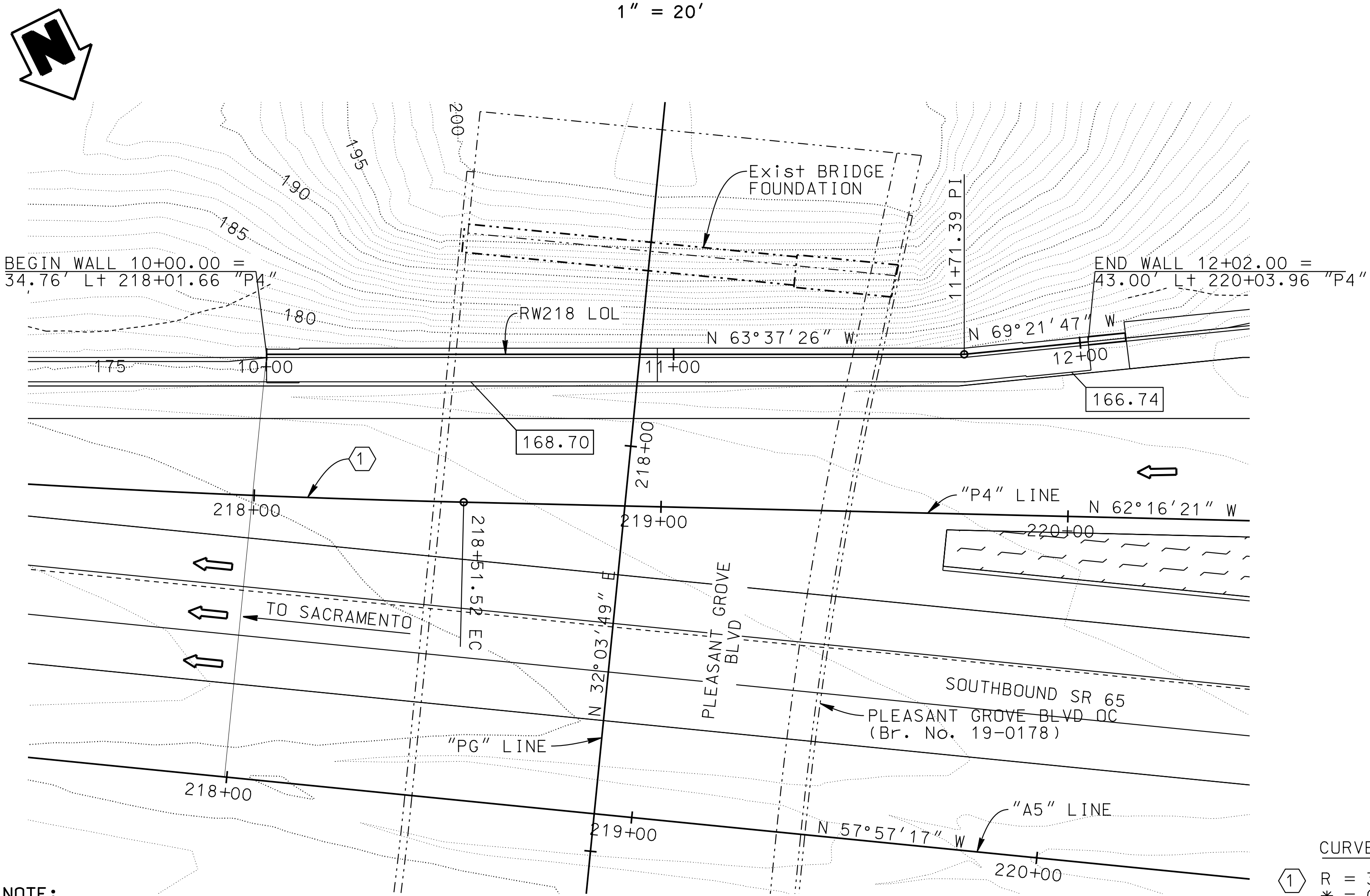
- For Top of Wall Elevations, see "RETAINING WALL TYPE 7 (Mod) DETAILS" sheet.
- For Anchor Block Details see ROADWAY PLANS.
- During retaining wall excavation and construction, existing bridge abutment shall be monitored for settlement by a licensed geotechnical engineer.



**DEVELOPED ELEVATION**  
1" = 20'



**TYPICAL SECTION RETAINING WALL TYPE 7 (Mod)**  
3/16" = 1'-0"



**PLAN**  
1" = 20'

NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

**INDEX TO PLANS**

SHEET NO.	TITLE
1	GENERAL PLAN
2	RETAINING WALL TYPE 7 (Mod) DETAILS
3	ARCHITECTURAL DETAILS
4	AS-BUILT LOG OF TEST BORINGS 1 OF 3
5	AS-BUILT LOG OF TEST BORINGS 2 OF 3
6	AS-BUILT LOG OF TEST BORINGS 3 OF 3

**LEGEND:**

- Indicates Exist Structure
- Indicates New Structure
- XXX.XX Bottom of footing Elev
- STANDARD PLAN SHEET No.
- DETAIL No.

**CURVE DATA**  
① R = 3000.00'  
\* = 03°11'30"  
T = 83.58'  
L = 167.11'

**STANDARD PLANS DATED 2018**

A3A	ABBREVIATIONS (SHEET 1 OF 3)
A3B	ABBREVIATIONS (SHEET 2 OF 3)
A3C	ABBREVIATIONS (SHEET 3 OF 3)
A10A	LEGEND-LINES AND SYMBOLS (SHEET 1 OF 5)
A10B	LEGEND-LINES AND SYMBOLS (SHEET 2 OF 5)
A10C	LEGEND-LINES AND SYMBOLS (SHEET 3 OF 5)
A10D	LEGEND-LINES AND SYMBOLS (SHEET 4 OF 5)
A10E	LEGEND-LINES AND SYMBOLS (SHEET 5 OF 5)
A10F	LEGEND-SOIL (SHEET 1 OF 2)
A10G	LEGEND-SOIL (SHEET 2 OF 2)
A10H	LEGEND-ROCK
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE SURCHARGE AND WALL CONCRETE BARRIER TYPE 60M
A76A	CONCRETE BARRIER TYPE 60M
B0-3	BRIDGE DETAILS
B3-6	RETAINING WALL DETAILS No. 2
B11-47	CABLE RAILING

DESIGN OVERSIGHT	DESIGN BY L MINER	CHECKED J ELWOOD	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: N/A	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 19E0013	RETAINING WALL No. 218	
SIGN OFF DATE	DETAILS BY P WALKER	CHECKED J ELWOOD	LAYOUT BY P WALKER	CHECKED L MINER	MARK BRADY PROJECT ENGINEER	POST MILES R7.1	GENERAL PLAN	
DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 03/14/12)	QUANTITIES BY L MINER	CHECKED R CHANG	SPECIFICATIONS BY J ELWOOD	PLANS AND SPECS COMPARED L MINER	UNIT: 3573 PROJECT NUMBER & PHASE: 0320000055 CONTRACT NO.: 03-1F1714	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 1 OF 6

USERNAME: 00V070576 DATE PLOTTED: 01-OCT-2020 TIME PLOTTED: 13:07

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Plq	65	R5.7/R8.2	185	214

### DESIGN DATA

Design: AASHTO LRFD Bridge Design Specifications, 8th edition with California Amendments

LS: No live load surcharge

CT: No collision load

EQE: Mononobe-Okabe Method

$K_h = 0.11$

$K_v = 0.0$

Soil:  $\phi = 45^\circ$

$\gamma = 125 \text{ pcf}$

$K_a = 0.25$  for static analysis

$K_{ae} = 0.42$  for seismic analysis

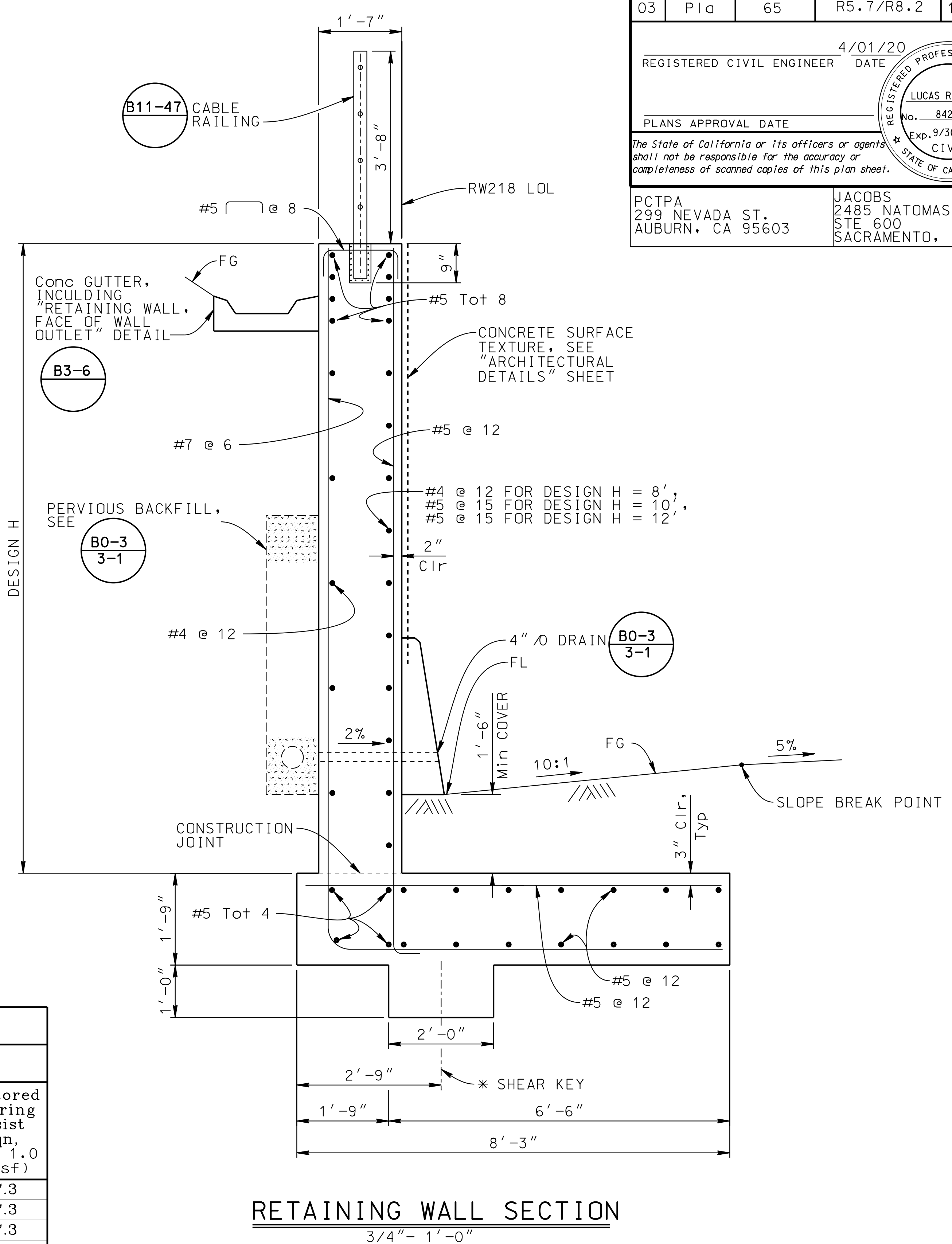
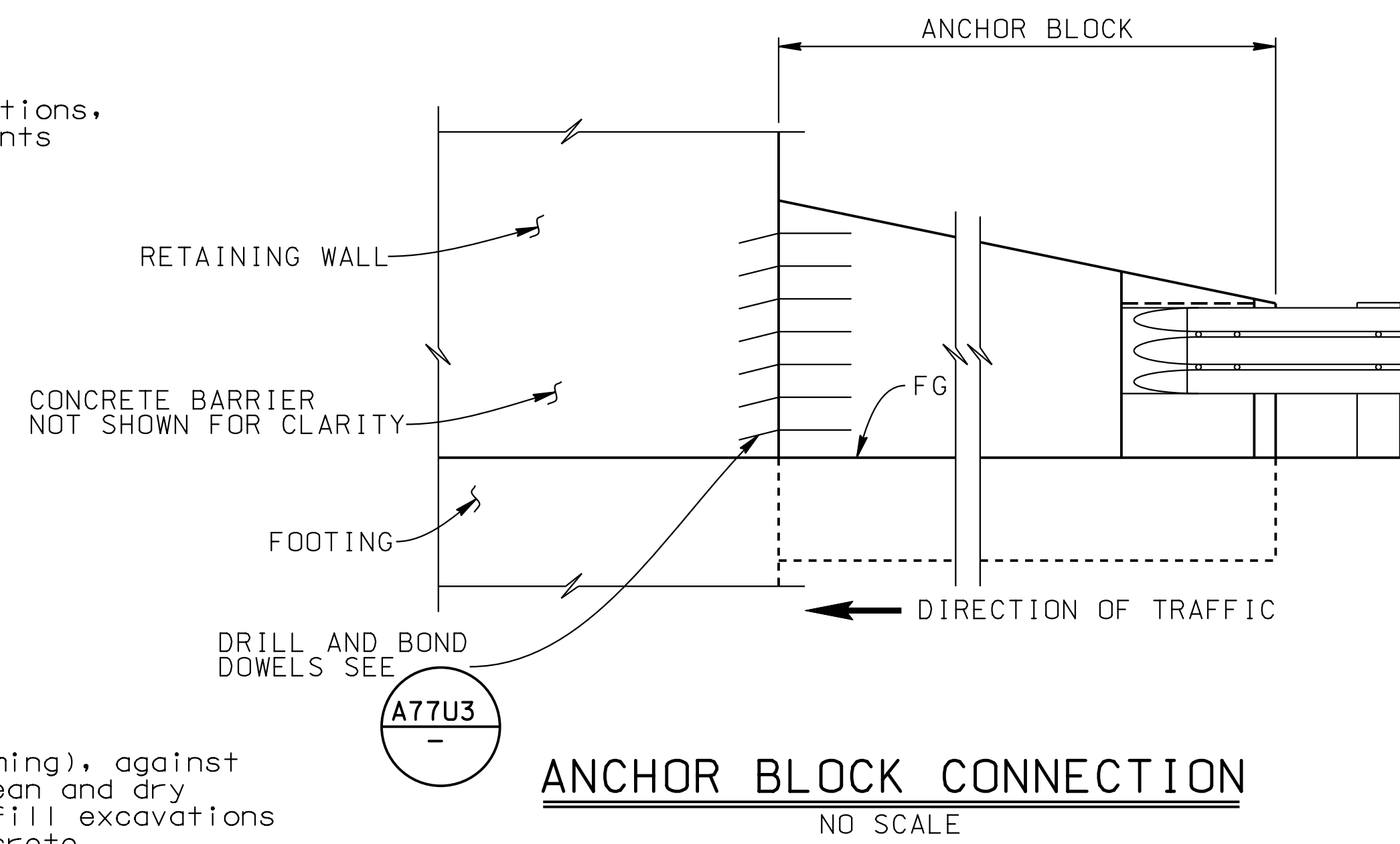
Reinforced Concrete:  $f'_c = 4000 \text{ psi}$   
 $f_y = 60,000 \text{ psi}$

Place footing concrete "neat" (without forming), against trimmed, intact undisturbed rock within clean and dry excavations. If forming is necessary, backfill excavations outside footing limits with structural concrete.

Ret WALL ELEVATIONS	
WALL LOL STA	TOP OF WALL
10+00	178.54
10+25	179.44
10+50	180.24
10+75	180.41
11+00	180.44
11+25	180.51
11+50	180.25
11+75	178.54
12+00	175.17
12+02	174.97

SHALLOW FOUNDATION TABLE						
Segment (ft)		Design Height (ft)	Bottom of Footing Elevation (ft)	Minimum Footing Embedment Depth (ft)	Footing or Base Width (ft)	Total Permissible Settlement (in.)
Begin Station	End Station					
10+00	10+08	8	168.4	1.5	8.25	1
10+08	10+72	10	168.4	1.5	8.25	1
10+72	10+96	12	168.4	1.5	8.25	1
10+96	11+68	12	166.74	1.5	8.25	1
11+76	11+92	10	166.74	1.5	8.25	1
11+92	12+02	8	166.74	1.5	8.25	1

SHALLOW FOUNDATION DESIGN RECOMMENDATIONS - PART 2 OF 2													
Segment (ft)		Strength 1A Limit State			Strength 1B Limit State			Extreme I Limit State			Extreme II Limit State		
Begin Station	End Station	Effective Found Width (ft)	Gross Uniform Bearing Stress (ksf)	Factored Bearing Resist (ksf)	Effective Found Width (ft)	Gross Uniform Bearing Stress (ksf)	Factored Bearing Resist (ksf)	Effective Found Width (ft)	Gross Uniform Bearing Stress (ksf)	Factored Bearing Resist * $q_n$ , * = (ksf)	Effective Found Width (ft)	Effective Found Width (ft)	Factored Bearing Resist * $q_n$ , * = 1.0 (ksf)
10+00	10+08	8.25	1.0	12.2	8.25	0.9	12.2	8.25	1.5	27.3	8.25	N/A	27.3
10+08	10+72	8.25	2.0	12.2	8.25	1.8	12.2	8.25	2.0	27.3	8.25	N/A	27.3
10+72	10+96	8.25	2.0	12.2	8.25	1.8	12.2	8.25	2.5	27.3	8.25	N/A	27.3
10+96	11+68	8.25	2.0	12.2	8.25	1.8	12.2	8.25	2.5	27.3	8.25	N/A	27.3
11+76	11+92	8.25	2.0	12.2	8.25	1.8	12.2	8.25	2.0	27.3	8.25	N/A	27.3
11+92	12+02	8.25	1.0	12.2	8.25	0.9	12.2	8.25	1.5	27.3	8.25	N/A	27.3



4/01/20  
REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER  
LUCAS R MINER  
No. 84268  
Exp. 9/30/2021  
CIVIL  
STATE OF CALIFORNIA

PLANS APPROVAL DATE

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DESIGN OVERSIGHT	DESIGN BY L MINER	CHECKED J ELWOOD	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 19E0013	RETAINING WALL No. 218
SIGN OFF DATE	DETAILS BY P WALKER	CHECKED J ELWOOD	MARK BRADY PROJECT ENGINEER	POST MILES R7.1	RETAINING WALL TYPE 7 (Mod) - DETAILS
DESIGN DETAIL SHEET (ENGLISH) (REV. 03/14/12)	QUANTITIES BY L MINER	CHECKED R. CHANG SIU	UNIT: 3573 PROJECT NUMBER & PHASE: 0320000055 CONTRACT NO.: 03-1F1714	REVISION DATES: 02/12/19, 07/26/19	SHEET 2 OF 6

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

FILE -> 19E0013-g-rwdt01.dgn

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
03	Plc	65	R5.7/R8.2	186	214

4/01/20  
REGISTERED CIVIL ENGINEER DATE

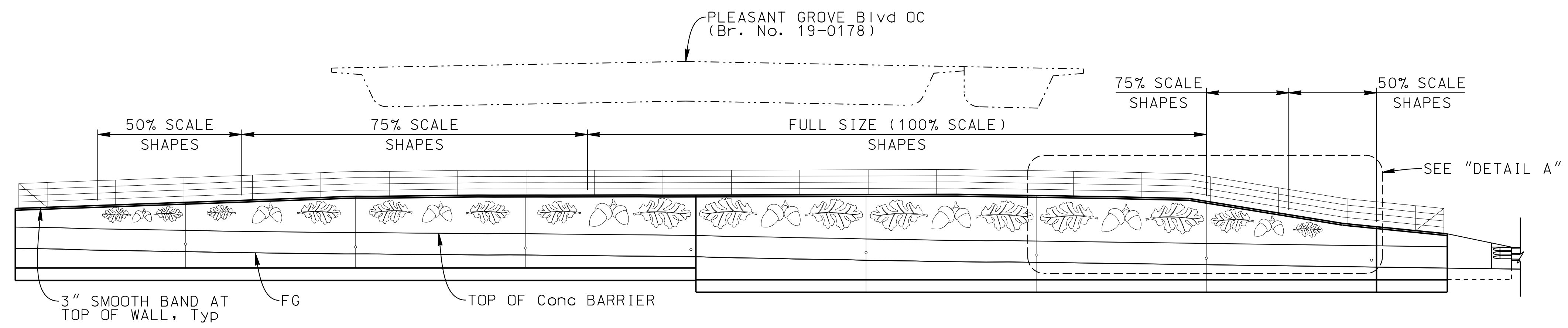
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
JENNIFER L. ELWOOD  
No. 64034  
Exp. 9/30/2020  
CIVIL  
STATE OF CALIFORNIA

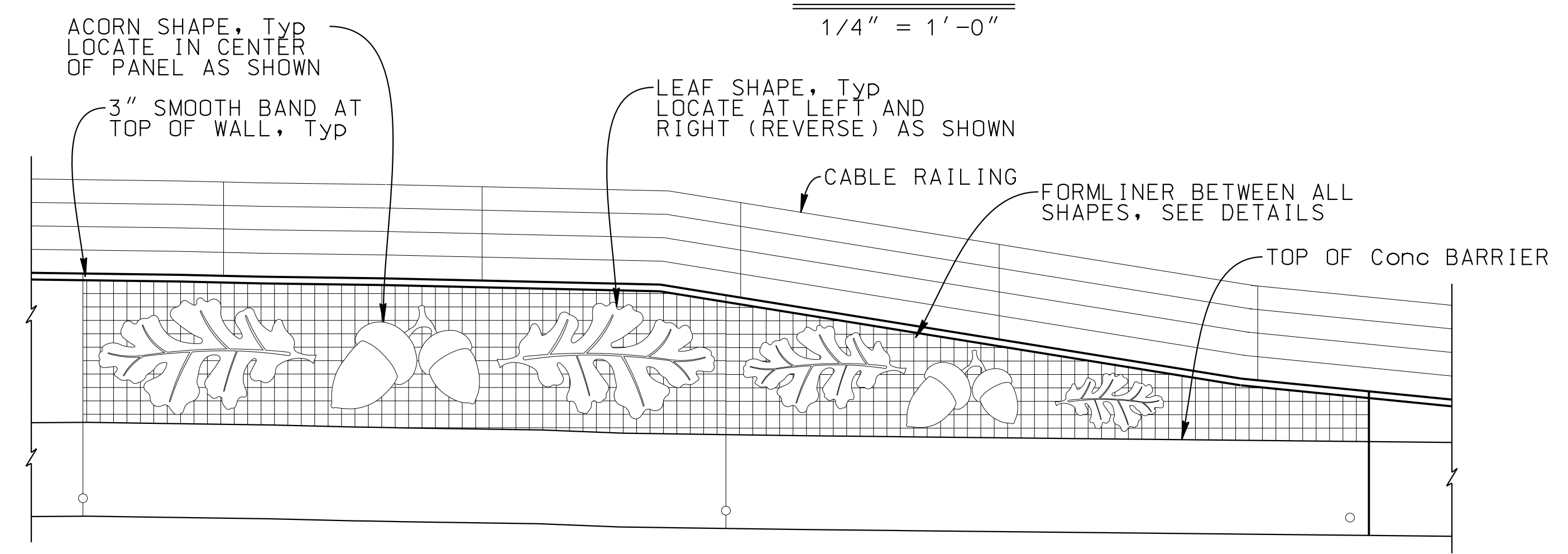
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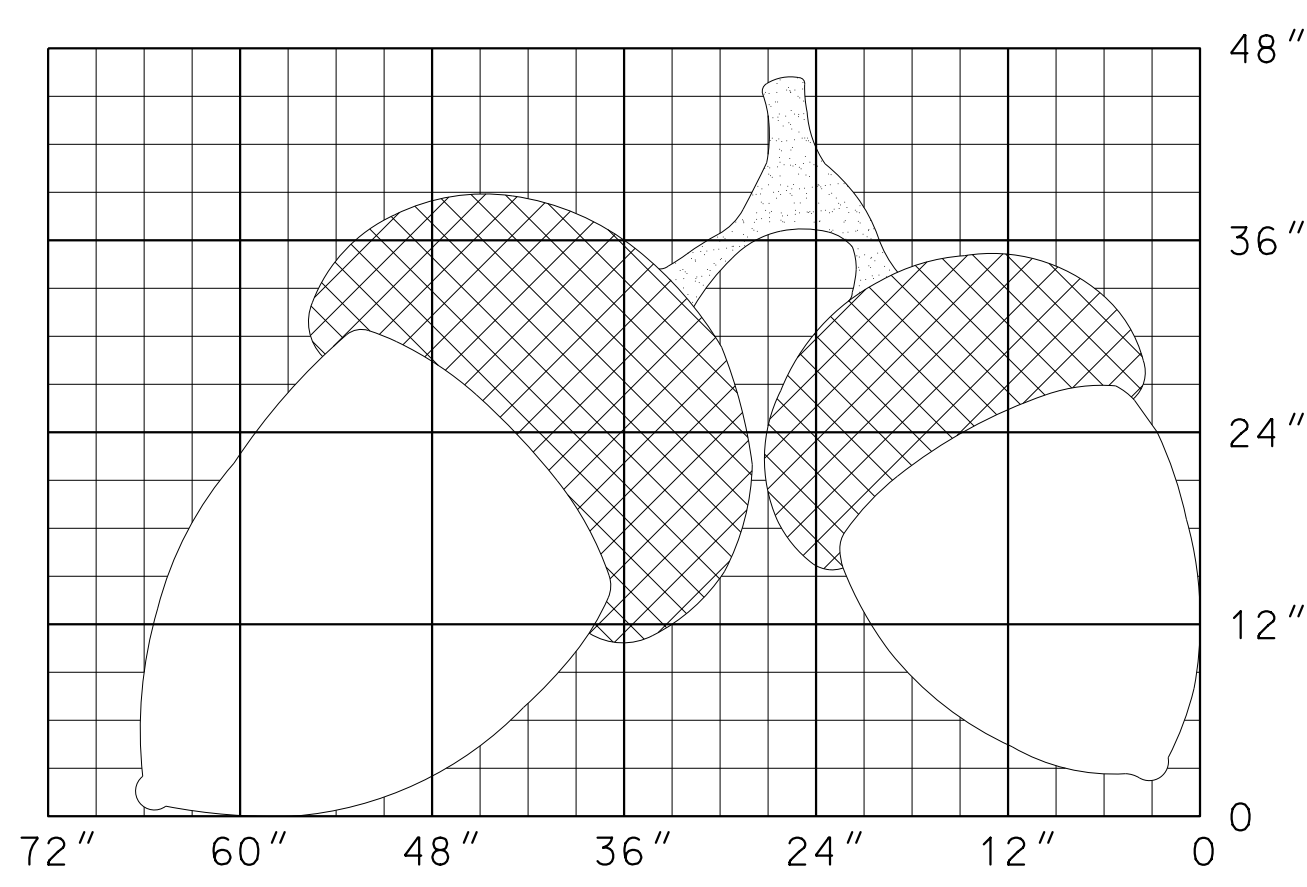
**ELEVATION**  
1/4" = 1'-0"



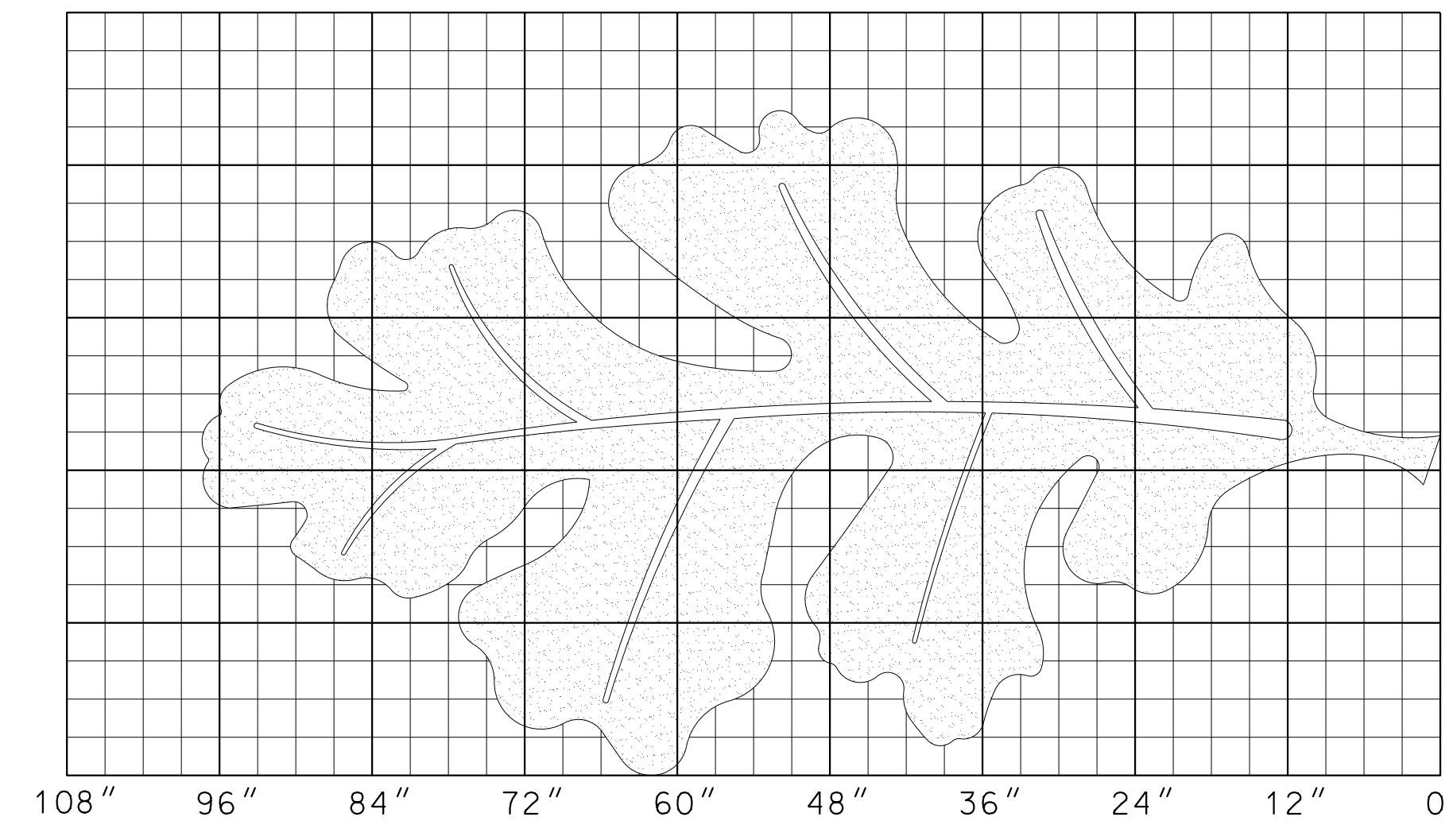
**DETAIL A**  
1/4" = 1'-0"

**NOTES:**

- Contractor shall mock up full size samples of leaf and acorn shapes for approval prior to final installation.
- All concrete surfaces are smooth concrete texture unless noted otherwise.



**ACORN DETAIL**  
1" = 1'-0"

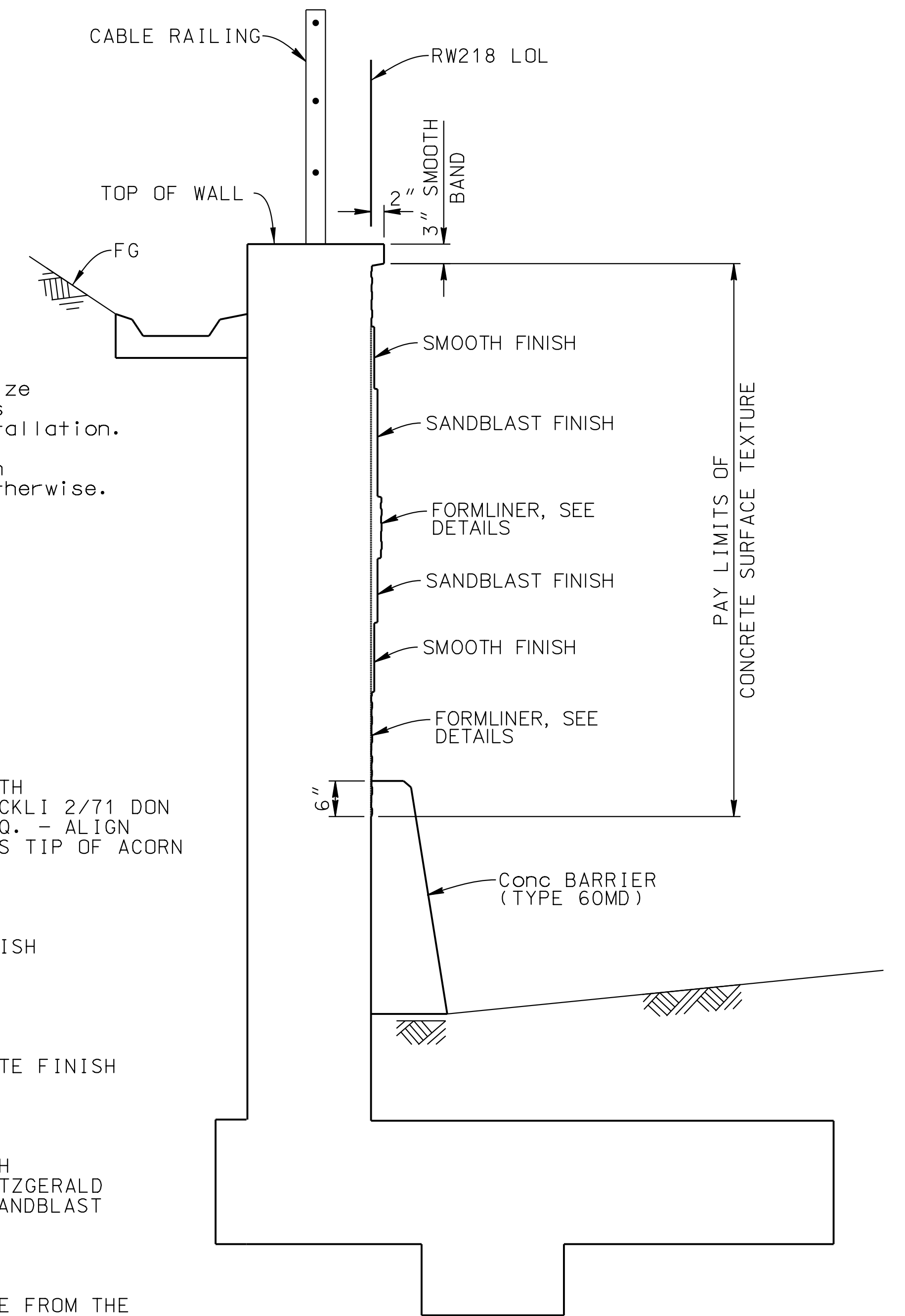


**LEAF DETAIL**  
1" = 1'-0"

**DETAIL LEGEND:**

- 0.83" MAX DEPTH  
FORMLINER: RECKLI 2/71 DON  
OR APPROVED EQ. - ALIGN  
SCALES TOWARDS TIP OF ACORN
- 1.0" DEPTH  
SANDBLAST FINISH
- 1.5" DEPTH  
SMOOTH CONCRETE FINISH
- 2.0" MAX DEPTH  
FORMLINER: FITZGERALD  
16992 HEAVY SANDBLAST

NOTE:  
DEPTHS MEASURE FROM THE  
FACE OF WALL



**AESTHETIC CROSS-SECTION**  
3/4" = 1'-0"

DESIGN OVERSIGHT	DESIGN	BY L MINER	CHECKED J ELWOOD	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO.	RETAINING WALL No. 218	
	DETAILS	BY P WALKER	CHECKED J ELWOOD		19E0013	ARCHITECTURAL DETAILS	
SIGN OFF DATE	QUANTITIES	BY L MINER	CHECKED R. CHANG SIU	MARK BRADY PROJECT ENGINEER	POST MILES	R7.1	
DESIGN DETAIL SHEET (ENGLISH) (REV. 03/14/12)	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3		UNIT: PROJECT NUMBER & PHASE: 0320000055	CONTRACT NO.: 03-1F1714	REVISION DATES	SHEET 3 OF 6
						DISREGARD PRINTS BEARING EARLIER REVISION DATES	02/12/19 07/26/19

USERNAME: 00V071576 DATE PLOTTED: 01-OCT-2020 TIME PLOTTED: 13:08



DIST.	COUNTY	ROUTE	POST MILE TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	PLA	65	R6.5/R7.4	189	191

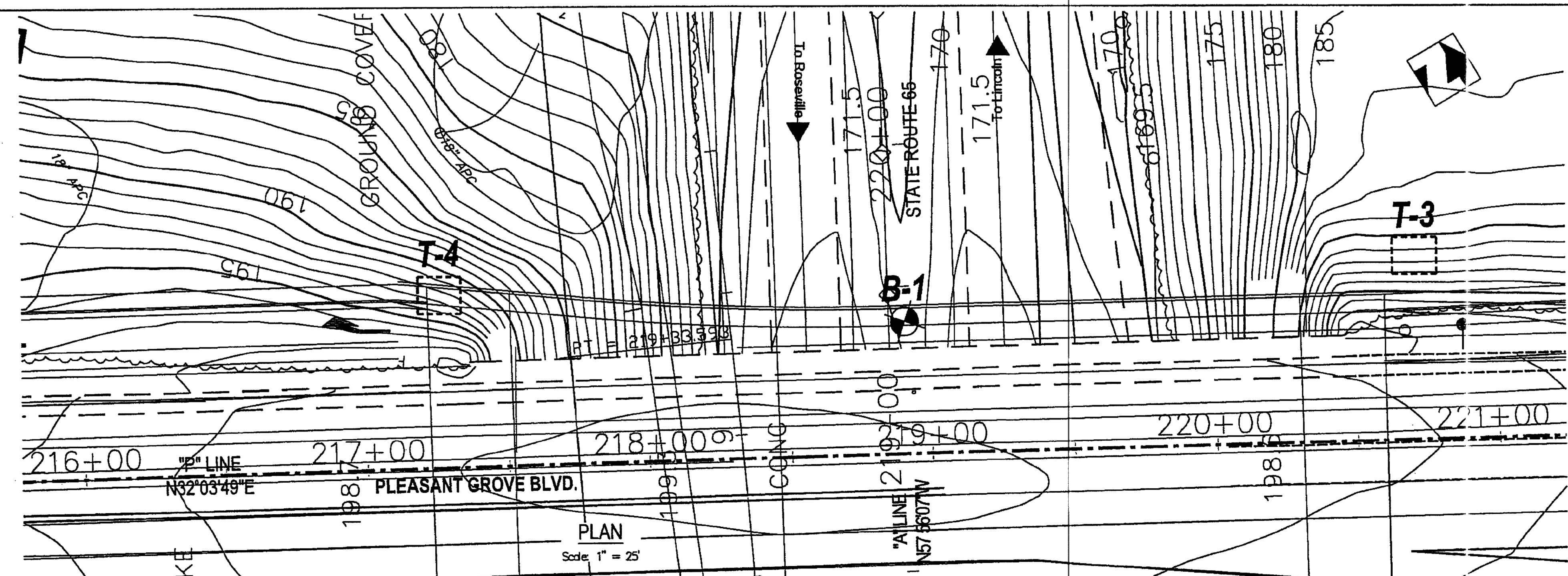
*Patrick F. Fischer*  
**CERTIFIED ENGINEERING GEOLOGIST**  
 No. 1739  
 Exp. 1/31/09

1/28/08  
**PLANS APPROVAL DATE**

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**BLACKBURN CONSULTING**  
 11521 BLOCKER DRIVE, SUITE 110  
 AUBURN, CA 95603

**CITY OF ROSEVILLE**  
 311 VERNON STREET  
 ROSEVILLE, CA 95678

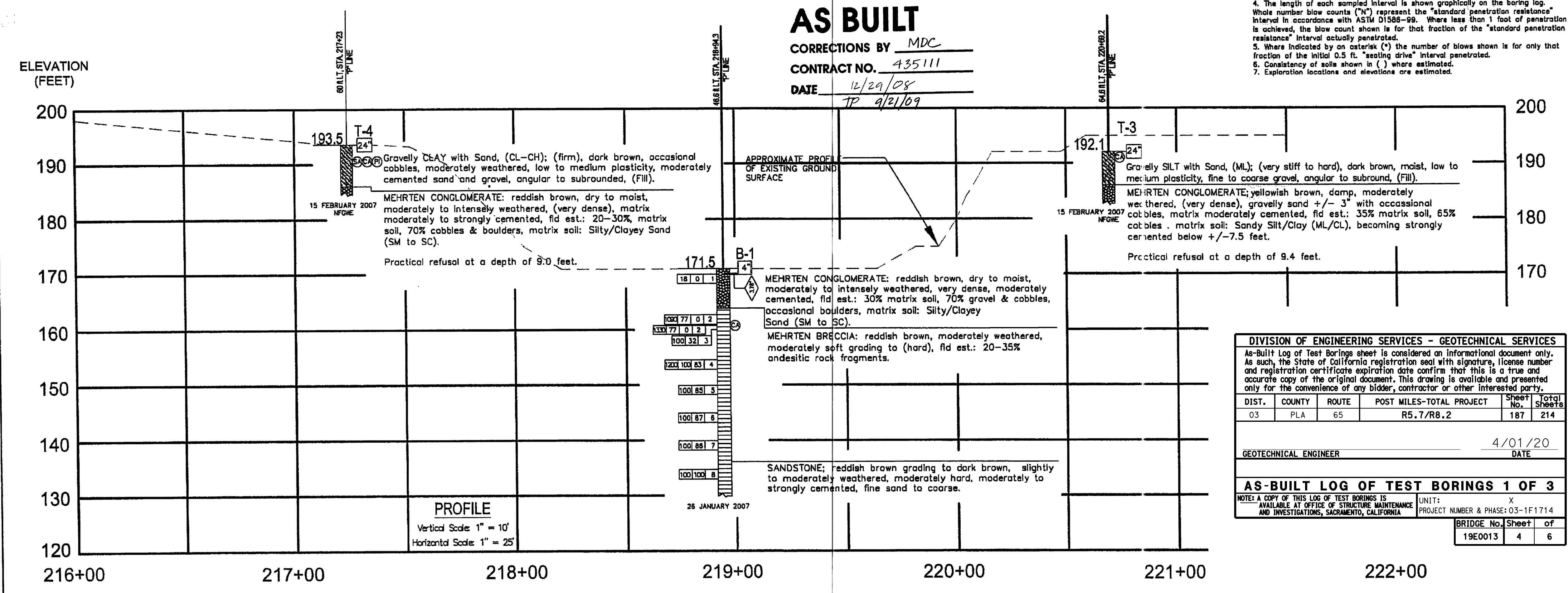


**BENCHMARK**  
 City of Roseville BM #101  
 3-1/4 Brass disk stamped Sep 2000  
 L55046 on top of curb at double drain inlet, west side of Pleasant Grove Blvd. at culvert.  
 N 2046750.72  
 E 6784785.07  
 Elev 160.44

TBM #211  
 Cut box at back of walk on NE corner of overcrossing  
 Elev 198.56

**NOTES:**  
 1. Field classification of soils was in accordance with ASTM D 2488-00 "Description and Identification of Soils (Visual-Manual Procedure)".  
 2. Standard Penetration tests were performed in accordance with ASTM D 1586-99 using a hammer operated with an automated drop system. Drill rods were 1 5/8-inch diameter "A"-rods; sampler was driven with brass liners.  
 3. "2.5 inch sampler": ID=2.5 inch, OD=2.9 inch. Driven in same manner as SPT ("1.4 inch") sampler.  
 4. The length of each sampled interval is shown graphically on the boring log. Whole number blow counts ("N") represent the "standard penetration resistance" interval in accordance with ASTM D1586-99. Where less than 1 foot of penetration is achieved, the blow count shown is for that fraction of the "standard penetration resistance" interval actually penetrated.  
 5. Where indicated by an asterisk (\*) the number of blows shown is for only that fraction of the initial 0.5 ft. "sealing drive" interval penetrated.  
 6. Consistency of soils shown in ( ) where estimated.  
 7. Exploration locations and elevations are estimated.

**NO AS BUILT CHANGES**  
**AS BUILT**  
 CORRECTIONS BY MDC  
 CONTRACT NO. 435111  
 DATE 12/29/08  
JP 2/21/09



DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES				
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DIST.	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	Sheet No. / Total Sheets
03	PLA	65	R5.7/R8.2	187 / 214
GEOTECHNICAL ENGINEER				4/01/20 DATE
AS-BUILT LOG OF TEST BORINGS 1 OF 3				
NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA				
UNIT: X			PROJECT NUMBER & PHASE: 03-1F1714	
BRIDGE No.		Sheet		of
19E0013		4		6

<i>Eric Fredrickson</i> DESIGN OVERSIGHT 1-17-08	DRAWN BY: Skip Beck	Clinton A. Wilson FIELD INVESTIGATION BY: DATE: Jan-Feb 2007	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER Clinton A. Wilson	BRIDGE NO. 19-0178 MILES POST R7.1	<b>PLEASANT GROVE BLVD. OC (WIDEN)</b> <b>LOG OF TEST BORINGS (1 of 3)</b>	
SIGN OFF DATE:			Original Scale in Inches for Reduced Plans		DISREGARD PRINTS BEARING EARLIER REVISION DATES		Sheet 23 of 25

**LEGEND OF BORING OPERATIONS**

See Note 1 for description of notations  
 See Note 2 for description of notations  
 See Note 3 for description of notations  
 See Note 4 for description of notations  
 See Note 5 for description of notations  
 See Note 6 for description of notations  
 See Note 7 for description of notations  
 See Note 8 for description of notations  
 See Note 9 for description of notations  
 See Note 10 for description of notations

THE BORING WAS DRILLED WITH A CME 75 TRUCK-MOUNTED DRILL RIG USING HO WIRE-LINE ROCK CORING TECHNIQUES (3.78-INCH DIAMETER).  
 THE TEST PTS WERE EXCAVATED WITH A CAT 4300 RUBBER-TIRED BACKHOE USING A 24-INCH WIDE BUCKET.

**LEGEND OF EARTH MATERIALS**

GRAVEL  
 SAND  
 SILT  
 CLAY  
 SANDY CLAY or CLAY SAND  
 SANDY SILT or SILTY SAND  
 SILTY CLAY

CLAYEY SILT  
 SILTY CLAY  
 SANDY CLAY  
 SILTY SAND  
 SILTY CLAY

CLAYEY SILT  
 SILTY CLAY  
 SANDY CLAY  
 SILTY SAND  
 SILTY CLAY

**CONSISTENCY CLASSIFICATION FOR SOILS**

According to the Standard Penetration Test

SPT "N"-Value (blows/ft.)	Consistency
< 2	Very Soft
2-4	Soft
5-8	Firm
9-15	Medium Dense
16-30	Dense
> 31	Very Dense

**NOTE:** Classification of earth material as shown on this sheet is based upon field inspection and is not to be considered to imply mechanical analysis.





DIST.	COUNTY	ROUTE	POST MILE TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	PLA	65	R6.5/R7.4	190	191

*Patrick F. Fischer*  
**CERTIFIED ENGINEERING GEOLOGIST**  
 No. 1738  
 Exp. 1/31/09  
 PLANS APPROVAL DATE: 1/08/08

**PROFESSIONAL GEOLOGIST**  
 No. 1738  
 Exp. 1/31/09  
**CERTIFIED ENGINEERING GEOLOGIST**  
 STATE OF CALIFORNIA

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**BLACKBURN CONSULTING**  
 11521 BLOCKER DRIVE, SUITE 110  
 AUBURN, CA 95603

**CITY OF ROSEVILLE**  
 311 VERNON STREET  
 ROSEVILLE, CA 95678

REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (JUNE, 2007)

**PERCENT CORE RECOVERY (REC) & ROCK QUALITY DESIGNATION (ROD)**

REC =  $\frac{\sum \text{Length of the recovered core pieces (in.)}}{\text{Total length of core run (in.)}} \times 100\%$

ROD =  $\frac{\sum \text{Length of intact core pieces } \geq 4 \text{ in.}}{\text{Total length of core run (in.)}} \times 100\%$

Boring Date

**RELATIVE STRENGTH OF INTACT ROCK**

Term	Uniaxial Compressive Strength (PSI)
Extremely Strong	> 30,000
Very Strong	14,500 - 30,000
Strong	7,000 - 14,500
Medium Strong	3,500 - 7,000
Weak	700 - 3,500
Very Weak	150 - 700
Extremely Weak	< 150

**BEDDING SPACING**

Description	Thickness / Spacing
Massive	Greater than 10 ft
Very thickly bedded	3 to 10 ft
Thickly bedded	1 to 3 ft
Moderately bedded	4 in. to 1 ft
Thinly bedded	1 in. to 4 in.
Very thinly bedded	3/8 in. to 1 in.
Laminated	Less than 3/8 in.

**LEGEND OF ROCK MATERIALS**

	IGNEOUS ROCK
	SEDIMENTARY ROCK
	METAMORPHIC ROCK

**ROCK HARDNESS**

Description	Criteria
Extremely Hard	Specimen cannot be scratched with a pocket knife; no steel marks left on surface.
Very Hard	Specimen cannot be scratched with a pocket knife; steel marks left on surface.
Hard	Specimen can be scratched with a pocket knife with difficulty (heavy pressure).
Moderately Hard	Specimen can be scratched with pocket knife with light or moderate pressure.
Moderately Soft	Specimen can be grooved 1/6 in. deep with a pocket knife with moderate or heavy pressure.
Soft	Specimen can be grooved or gauged easily by a pocket knife with light pressure, can be scratched with fingernail.
Very Soft	Specimen can be readily indented, grooved or gauged with fingernail, or carved with a pocket knife.

**FRACTURE DENSITY**

Description	Observed Fracture Density
Unfractured	No fractures.
Very slightly fractured	Lengths greater than 3 feet.
Slightly fractured	Lengths from 1 to 3 feet with few lengths less than 1 foot or greater than 3 feet.
Moderately fractured	Lengths mostly in 4 in. to 1 foot range with most lengths about 8 in.
Intensely fractured	Lengths average from 1 to 4 in. with scattered fragmented intervals with lengths less than 4 in.
Very Intensely fractured	Mostly chips and fragments with a few scattered short core lengths.

Combination descriptors (such as "Very Intensely to Intensely fractured") are used where equal distribution of both fracture density characteristics is present over a significant interval or exposure, or where characteristics are "in between" the descriptor definitions. Only two adjacent descriptors may be combined.

**WEATHERING DESCRIPTORS FOR INTACT ROCK**

Description	Diagnostic features			Texture and Solutioning		General Characteristics
	Chemical Weathering-Discoloration and/or oxidation	Mechanical Weathering-Grain boundary conditions (disaggregation) primarily for granitics and some coarse-grained sediments	Texture	Solutioning		
Fresh	No discoloration, not oxidized.	No discoloration or oxidation.	No separation, intact (tight).	No change.	No solutioning.	Hammer rings when crystalline rocks are struck.
Slightly Weathered	Discoloration or oxidation is limited to surface of, or short distance from, fractures; some feldspar crystals are dull.	Minor to complete discoloration or oxidation of most surfaces.	No visible separation, intact (tight).	Preserved.	Minor leaching of some soluble minerals may be noted.	Hammer rings when crystalline rocks are struck. Body of rock not weakened.
Moderately Weathered	Discoloration or oxidation extends from fractures usually throughout; Fe-Mg minerals are "rusty," feldspar crystals are "cloudy."	All fracture surfaces are discolored or oxidized.	Partial separation of boundaries visible.	Generally preserved.	Soluble minerals may be mostly leached.	Hammer does not ring when rock is struck. Body of rock is slightly weakened.
Intensely Weathered	Discoloration or oxidation throughout; all feldspars and Fe-Mg minerals are altered to clay to some extent; or chemical alteration produces in-situ disaggregation, see grain boundary conditions.	All fracture surfaces are discolored or oxidized, surfaces friable.	Partial separation, rock is friable; in similar conditions granitics are disaggregated.	Texture altered by chemical disintegration (hydration, argillation).	Leaching of soluble minerals may be complete.	Full sound when struck with hammer, usually can be broken with moderate to heavy manual pressure or by light hammer blow without reference to planes of weakness such as incipient or hairline fractures, or veinlets. Rock is significantly weakened.
Decomposed	Discolored or oxidized throughout, but resistant minerals such as quartz may be unaltered; all feldspars and Fe-Mg minerals are completely altered to clay.		Complete separation of grain boundaries (disaggregated).	Resembles a soil, partial or complete remnant rock structure may be preserved; leaching of soluble minerals usually complete.		Can be granulated by hand. Resistant minerals such as quartz may be present as "stringers" or "dikes."

Combination descriptors (such as "slightly weathered to fresh") are used where equal distribution of both weathering characteristics is present over significant intervals or where characteristics present are "in between" the diagnostic features. However, combination descriptors should not be used where significant, identifiable zones can be delineated. Only two adjacent descriptors may be combined. "Very Intensely weathered" is the combination descriptor for "Intensely weathered to decomposed."

**DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES**

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DIST.	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	Sheet No.	Total Sheets
03	PLA	65	R5.7/R8.2	188	214

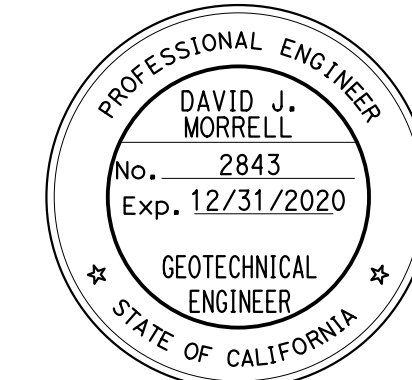
DATE: 4/01/20

**AS-BUILT LOG OF TEST BORINGS 2 OF 3**

NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA

UNIT: X  
PROJECT NUMBER & PHASE: 03-1F1714

BRIDGE No. 19E0013 Sheet 5 of 6



NO AS BUILT CHANGES

**AS BUILT**

CORRECTIONS BY MDC  
 CONTRACT NO. 435111  
 DATE 12/29/08  
TP 9/21/09

**ROCK LEGEND**

PLEASANT GROVE BLVD. OC (WIDEN)

LOG OF TEST BORINGS (2 of 3)

DESIGN OVERSIGHT	DRAWN BY: Skip Beck	Clinton A. Wilson	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	Clinton A. Wilson	19-0178	PROJECT ENGINEER	24	25
SIGN OFF DATE: <u>1-17-08</u>	CHECKED BY: Patrick F. Fischer	DATE: Jan-Mar 2007			R7.1			

REVISIONS: R7.1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

C:\p000000\PROJECTS\1081081\PLANS\110007.dwg



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DIST.	COUNTY	ROUTE	POST MILES-TOTAL PROJECT	Sheet No.	Total Sheets
03	PLA	65	R5.7/R8.2	189	214

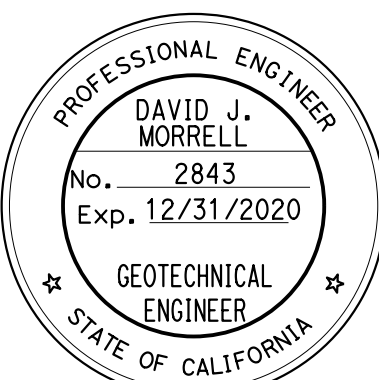
DATE: 4/01/20  
 GEOTECHNICAL ENGINEER

**AS-BUILT LOG OF TEST BORINGS 3 OF 3**

NOTE: A COPY OF THIS LOG OF TEST BORINGS IS AVAILABLE AT OFFICE OF STRUCTURE MAINTENANCE AND INVESTIGATIONS, SACRAMENTO, CALIFORNIA

UNIT: X  
 PROJECT NUMBER & PHASE: 03-1F1714

BRIDGE No.	Sheet	of
19E0013	6	6



DIST.	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
3	PLA	65		120	120

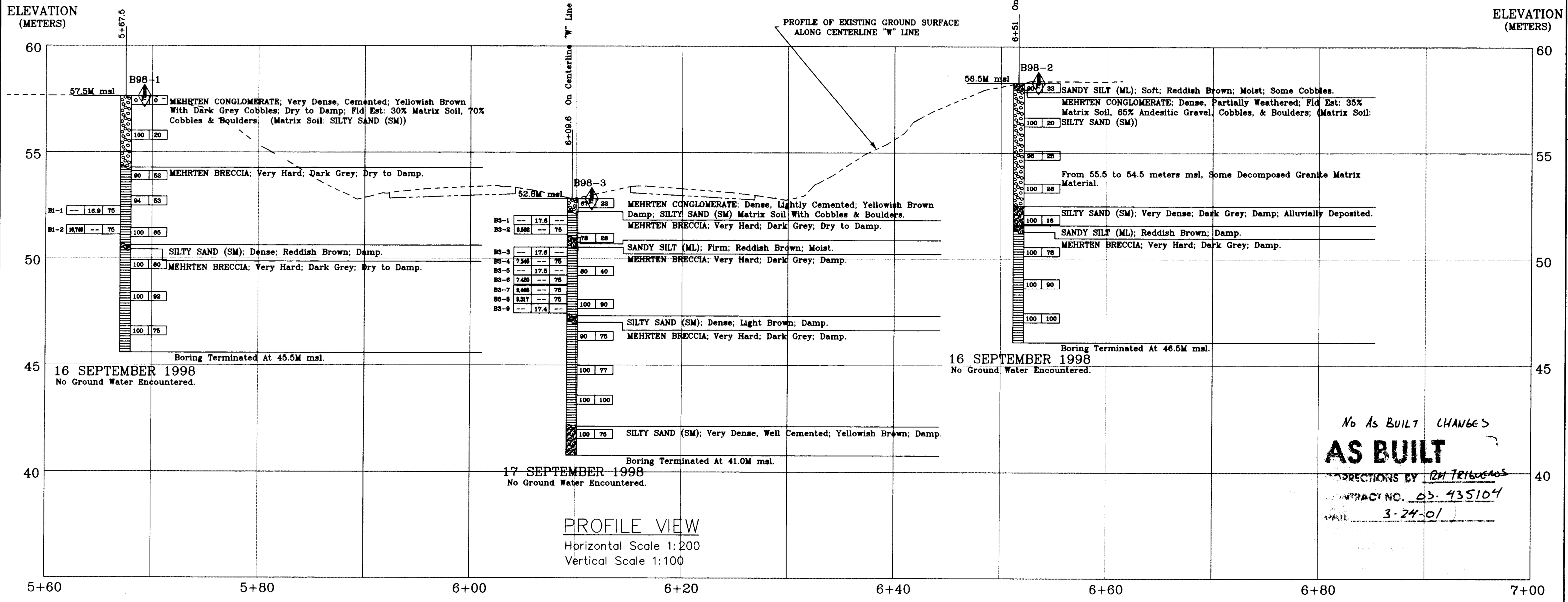
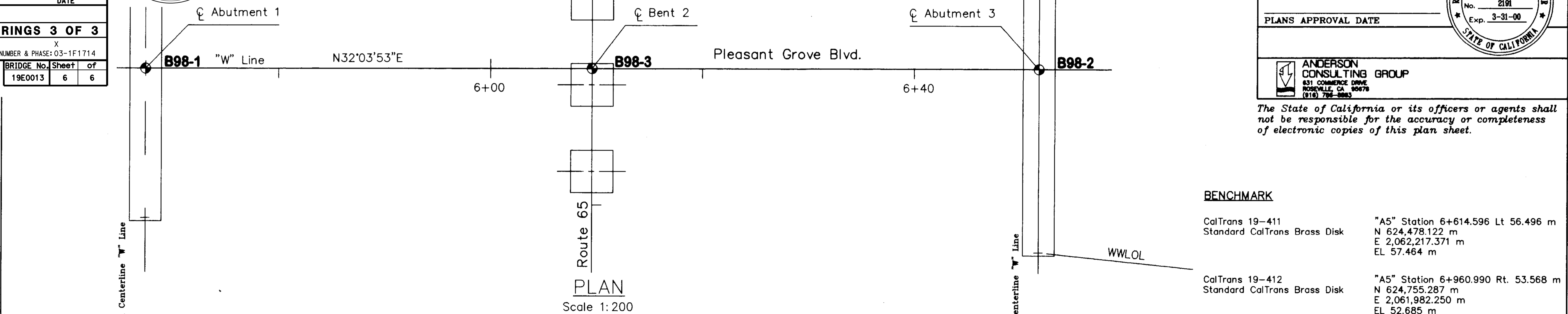
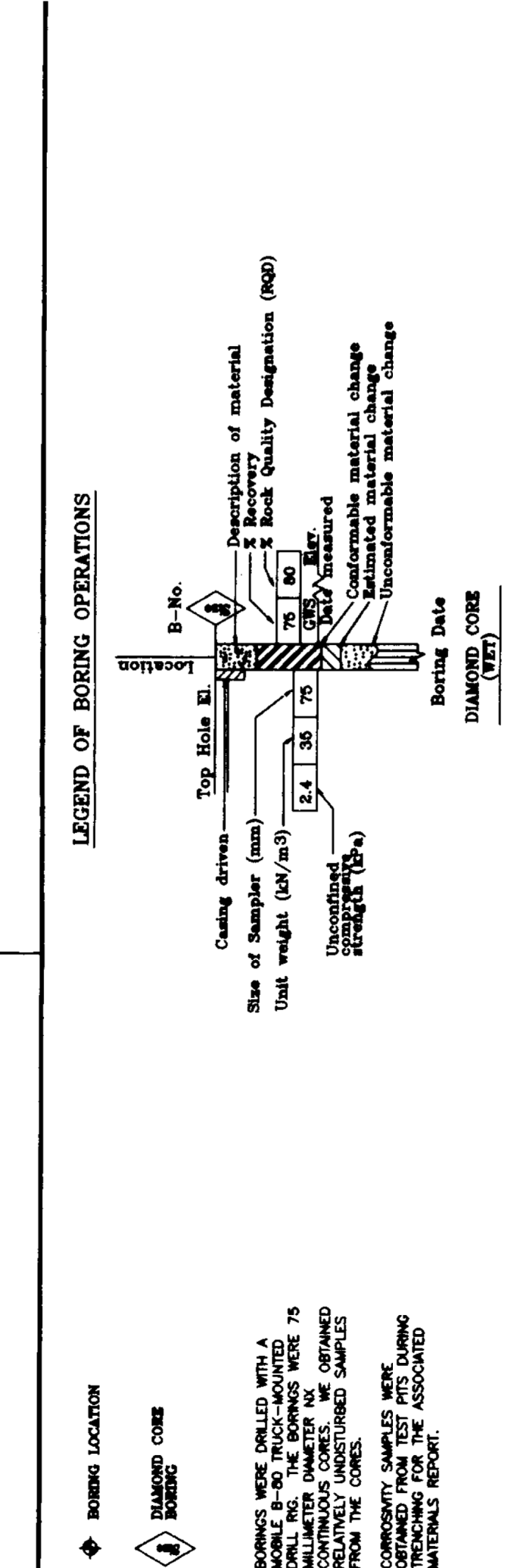
DATE: 5-10-99  
 GEOTECHNICAL PROFESSIONAL

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
 MARK M. GILBERT  
 No. 2191  
 Exp. 3-31-00  
 STATE OF CALIFORNIA

ANDERSON CONSULTING GROUP  
 431 COMMERCE DRIVE  
 ROSELAND, CA 90670  
 (714) 796-9883

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**BENCHMARK**

CalTrans 19-411 Standard CalTrans Brass Disk	"A5" Station 6+614.596 Lt 56.496 m N 624.478.122 m E 2,062,217.371 m EL 57.464 m
CalTrans 19-412 Standard CalTrans Brass Disk	"A5" Station 6+960.990 Rt. 53.568 m N 624.755.287 m E 2,061,982.250 m EL 52.685 m

**CONSISTENCY CLASSIFICATION FOR SOILS**

According to the Standard Penetration Test

SP-Value (Blows/30cm)	Consistency
0-4	Very Loose
5-10	Loose
11-20	Medium Dense
21-30	Dense
>30	Very Dense

**LEGEND OF EARTH MATERIALS**

- CLAYEY SILT
- CLAY
- SANDY CLAY
- SANDY SILT
- SILT
- SAND
- GRAVEL
- CLAYEY SAND
- SANDY CLAY
- CLAYEY SILT
- SILT
- SAND
- GRAVEL
- CLAYEY SAND
- SANDY CLAY
- CLAYEY SILT
- SILT
- SAND
- GRAVEL

Joel Escobar  
 DESIGN OVERSIGHT  
 SIGN OFF DATE: 6-9-99

DRAWN BY: Loree Hammer  
 CHECKED BY: Mark M. Gilbert

Greg G. Gularte  
 FIELD INVESTIGATION BY:  
 DATE: 11/25/98

PREPARED FOR THE  
**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

Greg G. Gularte  
 PROJECT ENGINEER

BRIDGE NO. 19-0178  
 KILOMETER POST 11.3

PLEASANT GROVE BOULEVARD OC  
 LOG OF TEST BORINGS

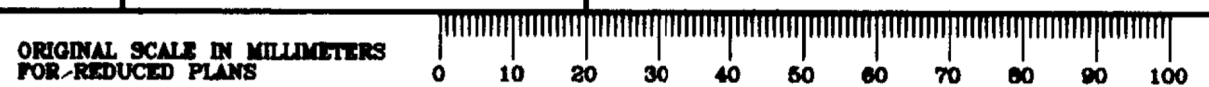
CU 03198  
 EA 03-435101

REVISION DATES (PRELIMINARY STAGE ONLY)

NO.	DATE	DESCRIPTION
3/99	5/99	

SHEET 19 OF 19

No AS BUILT CHANGES  
**AS BUILT**  
 DIRECTIONS BY: [Signature]  
 CONTRACT NO. 03-435104  
 DATE: 3-24-01





Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R6.2/R8.3	191	230

REGISTERED CIVIL ENGINEER DATE  
**STEVEN W. LEUNG**  
 No. 70004  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

PLANS APPROVAL DATE  
 PCTPA 299 NEVADA ST. AUBURN, CA 95603  
 WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816

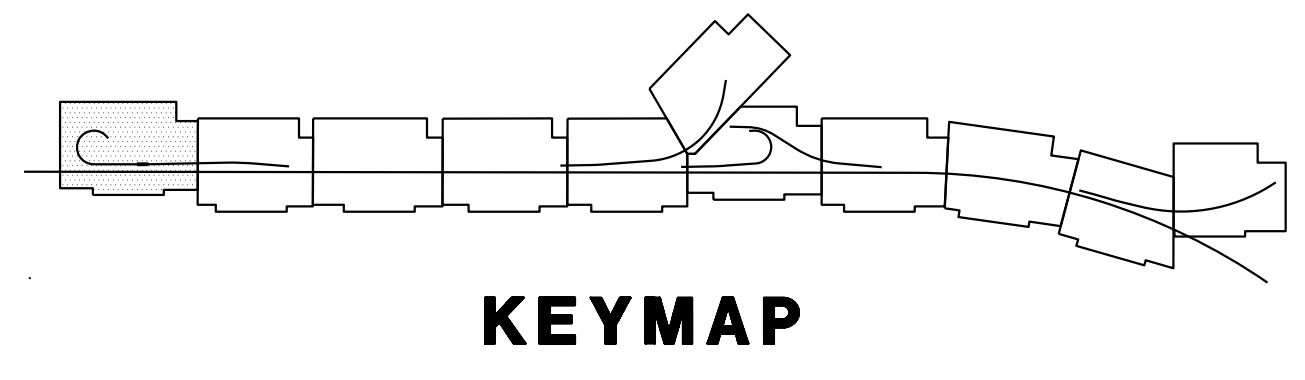
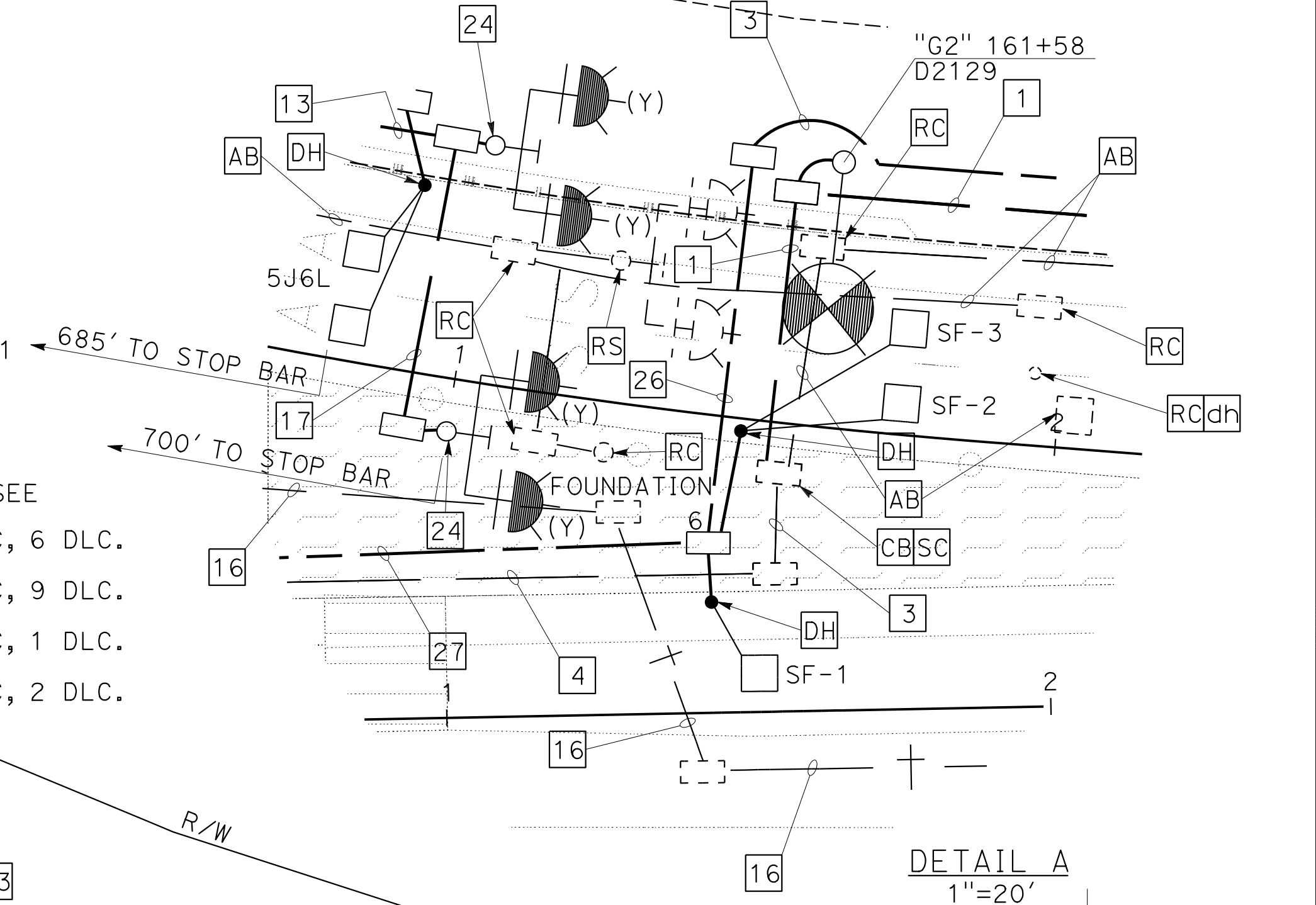
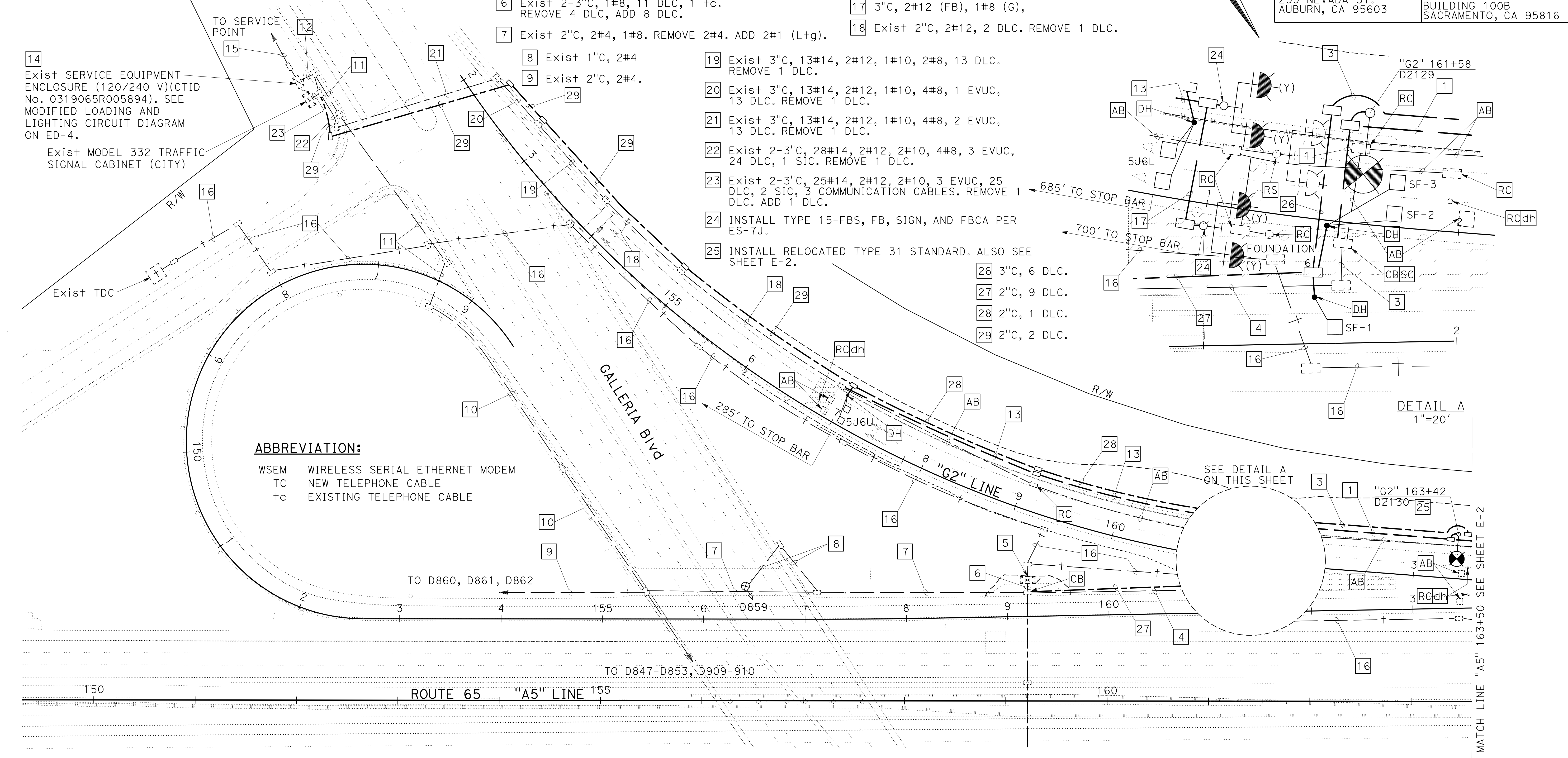
**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ELECTRICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATION ONLY. THE RESIDENT ENGINEER SHALL DETERMINE FINAL LOCATION TO AVOID CONFLICT WITH EXISTING UTILITY.
- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- RC POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

- |  |   |
|--|---|
| 1 2"C, 2#1 (Ltg), 1#1 (G).   | 10 Exist 2 1/2"C, 4#4, 1#8. REMOVE 2#4. ADD 2#1 (Ltg).          |
| 2 3"C, 2#1 (Ltg), 1#1 (G).   | 11 Exist 2"C, 4#4, 1#8. REMOVE 2#4. ADD 2#1 (Ltg).              |
| 3 2"C, 6 DLC.  | 12 Exist 1 1/2"C, 4#4, 1#8. REMOVE 2#4. ADD 2#1 (Ltg).          |
| 4 Exist 3"C, 2#4, 4 DLC. REMOVE 2#4 ADD 2#1 (Ltg).   | 13 2"C, 2#12 (FB), 1#8 (G).                                     |
| 5 Exist WSEM AND OTHER COMMUNICATION EQUIPMENT IN MODEL 334 CABINET.                                       | 14 Exist SERVICE EQUIPMENT ENCLOSURE (CTID No. 0319065R005894). |
| 6 Exist 2-3"C, 1#8, 11 DLC, 1 tc. REMOVE 4 DLC, ADD 8 DLC.   | 15 Exist 3"C, SERVICE CONDUCTORS.                               |
| 7 Exist 2"C, 2#4, 1#8. REMOVE 2#4. ADD 2#1 (Ltg).  | 16 Exist 2"C, 1 tc.   |
| 8 Exist 1"C, 2#4   | 17 3"C, 2#12 (FB), 1#8 (G),                                     |
| 9 Exist 2"C, 2#4.  | 18 Exist 2"C, 2#12, 2 DLC. REMOVE 1 DLC.                        |
| 19 Exist 3"C, 13#14, 2#12, 1#10, 2#8, 13 DLC. REMOVE 1 DLC.  |   |
| 20 Exist 3"C, 13#14, 2#12, 1#10, 4#8, 1 EVUC, 13 DLC. REMOVE 1 DLC.  |   |
| 21 Exist 3"C, 13#14, 2#12, 1#10, 4#8, 2 EVUC, 13 DLC. REMOVE 1 DLC.  |   |
| 22 Exist 2-3"C, 28#14, 2#12, 2#10, 4#8, 3 EVUC, 24 DLC, 1 SIC. REMOVE 1 DLC.                               |   |
| 23 Exist 2-3"C, 25#14, 2#12, 2#10, 3 EVUC, 25 DLC, 2 SIC, 3 COMMUNICATION CABLES. REMOVE 1 DLC. ADD 1 DLC. |   |
| 24 INSTALL TYPE 15-FBS, FB, SIGN, AND FBCA PER ES-7J.  |   |
| 25 INSTALL RELOCATED TYPE 31 STANDARD. ALSO SEE SHEET E-2.   |   |
| 26 3"C, 6 DLC.   |   |
| 27 2"C, 9 DLC.   |   |
| 28 2"C, 1 DLC.   |   |
| 29 2"C, 2 DLC.   |   |

**ABBREVIATION:**  
 WSEM WIRELESS SERIAL ETHERNET MODEM  
 TC NEW TELEPHONE CABLE  
 tc EXISTING TELEPHONE CABLE



**MODIFYING LIGHTING SYSTEMS**  
**MODIFYING SIGNAL AND LIGHTING SYSTEMS**  
**MODIFYING TRAFFIC MONITORING STATIONS**  
 SCALE: 1"=50'

**E-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 CONSULTANT - FUNCTIONAL SUPERVISOR  
 MARK RAYBACK  
 CALCULATED/DESIGNED BY  
 CHECKED BY  
 STEVEN ROBINSON  
 STEVEN LEUNG  
 REVISED BY  
 DATE REVISED

USERNAME => sleung  
 DGN FILE => 031F1701ua001.dgn

APPROVED FOR ELECTRICAL WORK ONLY  
 RELATIVE BORDER SCALE 15" IN INCHES

UNIT 0303 PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020  
 00-00-00 TIME PLOTTED => 16:49



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	192	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

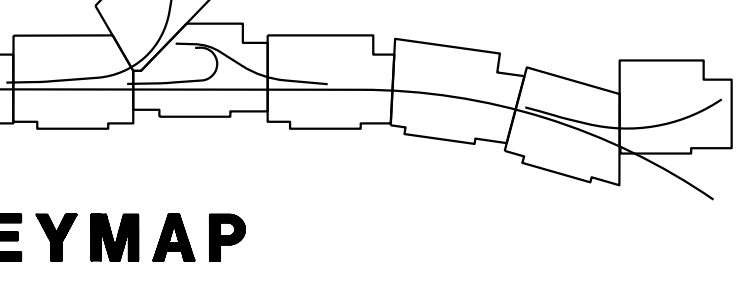
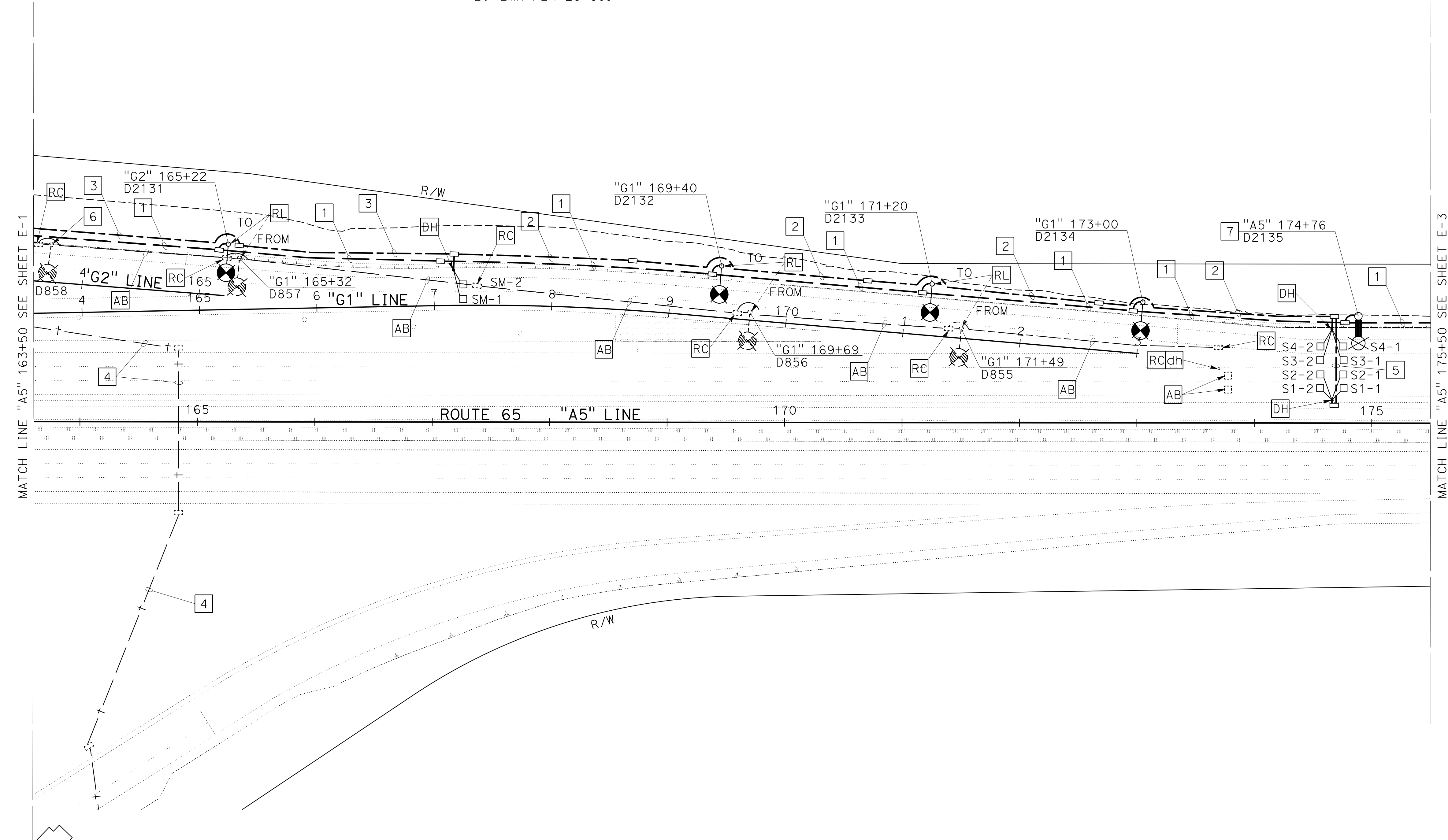
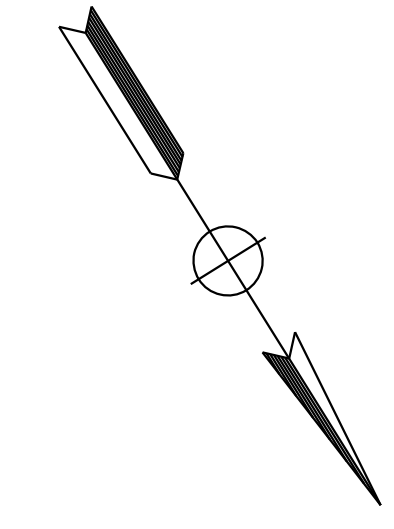
WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

**NOTES:**

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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- RC POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

- 2"C, 2#1 (Ltg), 1#1 (G).
- 2"C, 8 DLC.
- 2"C, 10 DLC.
- Exist 2"C, 1 tc.
- 3"C, 4 DLC.
- RELOCATE Exist TYPE 31 STANDARD. ALSO SEE SHEET E-1.
- INSTALL TYPE 10 STANDARD (OVERHEAD SIGN MOUNTED) WITH 20' LMA PER ES-6C.



**MODIFYING LIGHTING SYSTEMS  
MODIFYING TRAFFIC MONITORING STATIONS**

SCALE: 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Et Caltrans	STEVEN ROBINSON	STEVEN LEUNG
CONSULTANT - FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	CHECKED BY
MARK RAYBACK		

USERNAME => sleung  
DGN FILE => 031F1701ua002.dgn



UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020  
00-00-00 TIME PLOTTED => 16:49

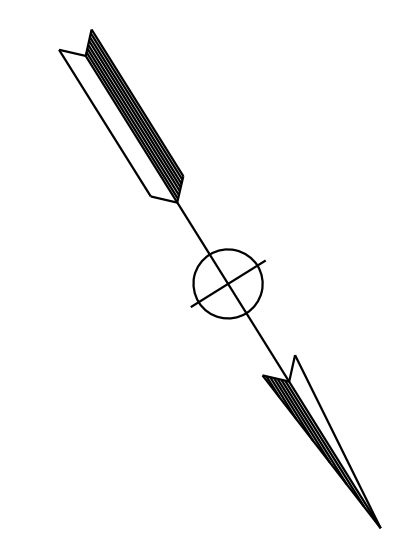
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	193	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603

WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816



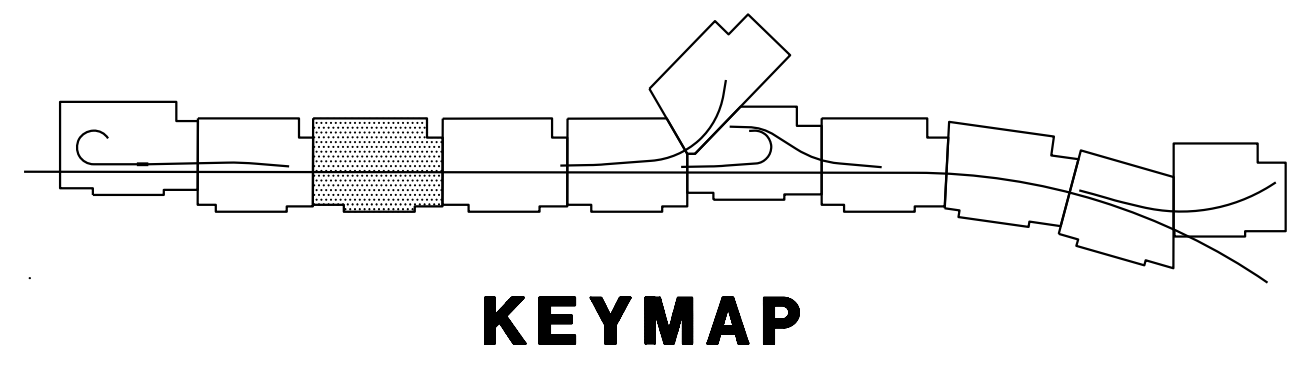
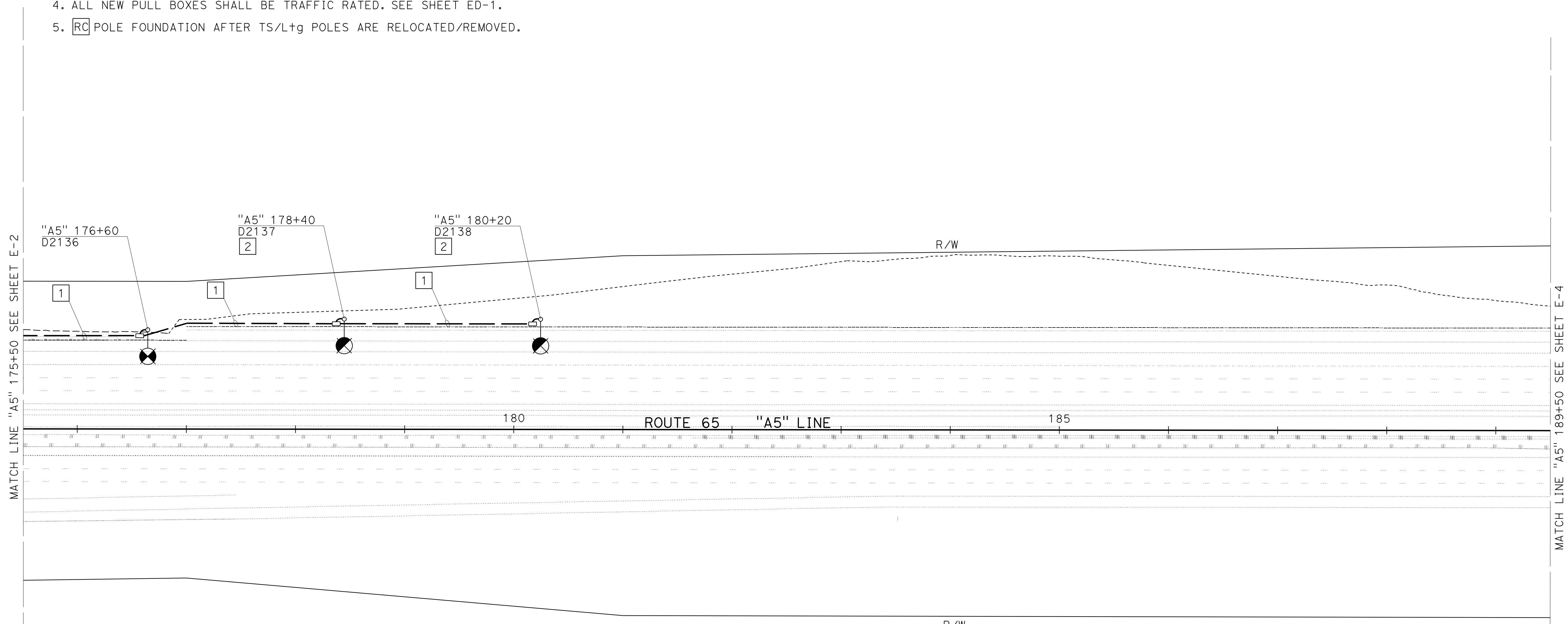
**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ELECTRICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATION ONLY. THE RESIDENT ENGINEER SHALL DETERMINE FINAL LOCATION TO AVOID CONFLICT WITH EXISTING UTILITY.
- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- RC POLE FOUNDATION AFTER TS/L+g POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 2" C, 2#1 (L+g), 1#1 (G).
- 2 L+g POLE SHALL BE PLACED AT 30' FROM EDGE OF TRAVEL WAY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans®  
 CONSULTANT - FUNCTIONAL SUPERVISOR  
 MARK RAYBACK  
 CALCULATED-DESIGNED BY  
 CHECKED BY  
 STEVEN ROBINSON  
 STEVEN LEUNG  
 REVISED BY  
 DATE REVISED

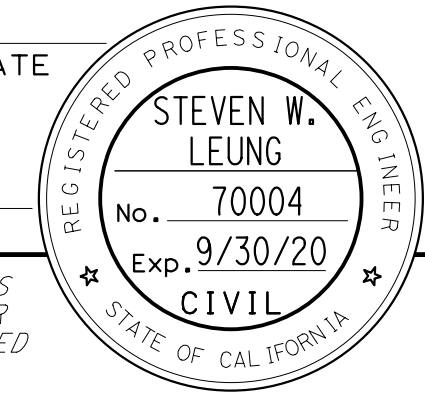


**MODIFYING LIGHTING SYSTEMS**  
 SCALE: 1"=50'  
**E-3**

APPROVED FOR ELECTRICAL WORK ONLY

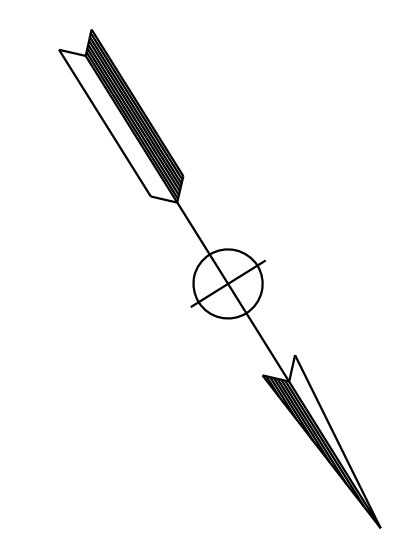
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	194	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



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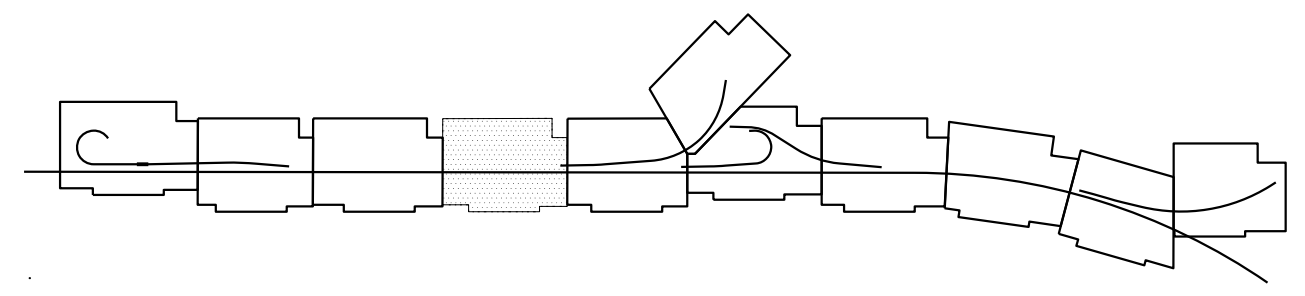
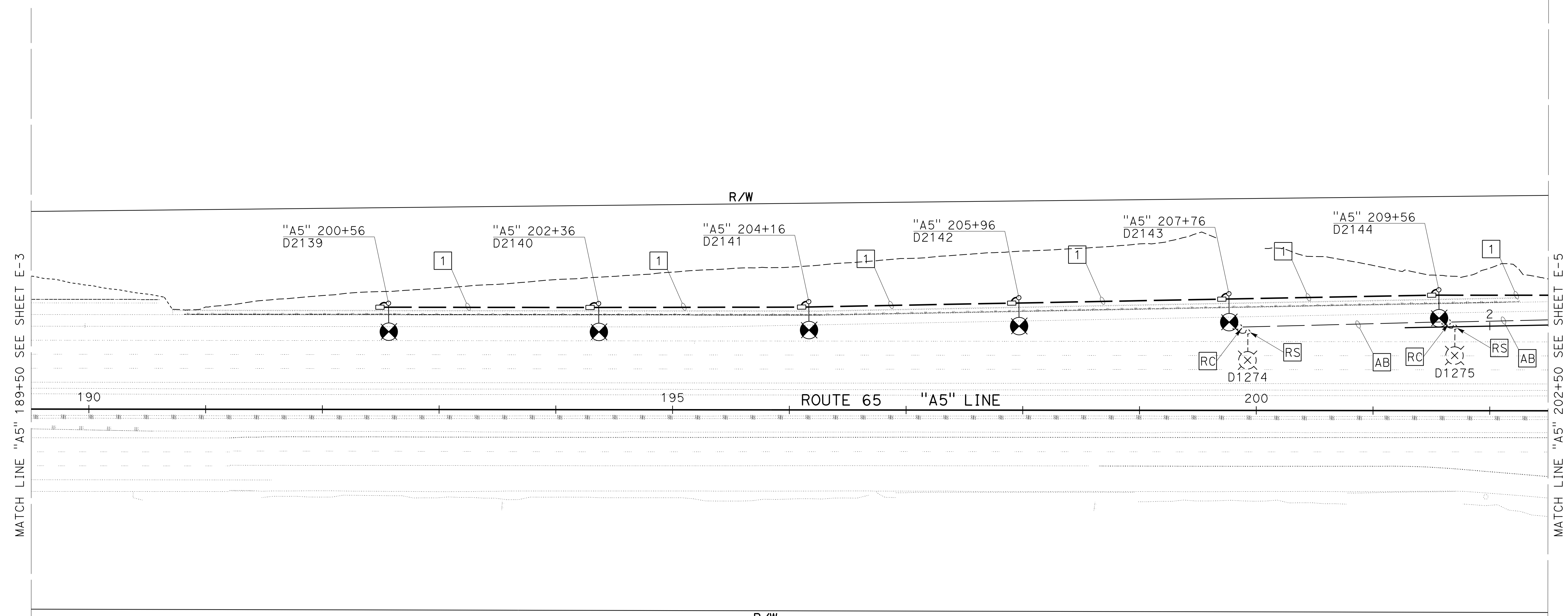
WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816



- NOTES:**
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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  - ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
  - ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
  - RC** POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

**1** 2"C, 2#2 (Ltg), 1#2 (G).



**KEYMAP**

**MODIFYING LIGHTING SYSTEMS**  
 SCALE: 1"=50'

**E-4**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**

REVISOR  
 STEVEN ROBINSON  
 STEVEN LEUNG

DESIGNER  
 MARK RAYBACK

FUNCTIONAL SUPERVISOR  
 MARK RAYBACK

CONSULTANT  
 WOOD RODGERS, INC.

USERNAME => sleung  
 DGN FILE => 031F1701ua004.dgn

RELATIVE BORDER SCALE 15" IN INCHES

UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020  
 00-00-00 TIME PLOTTED => 16:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	195	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



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 AUBURN, CA 95603

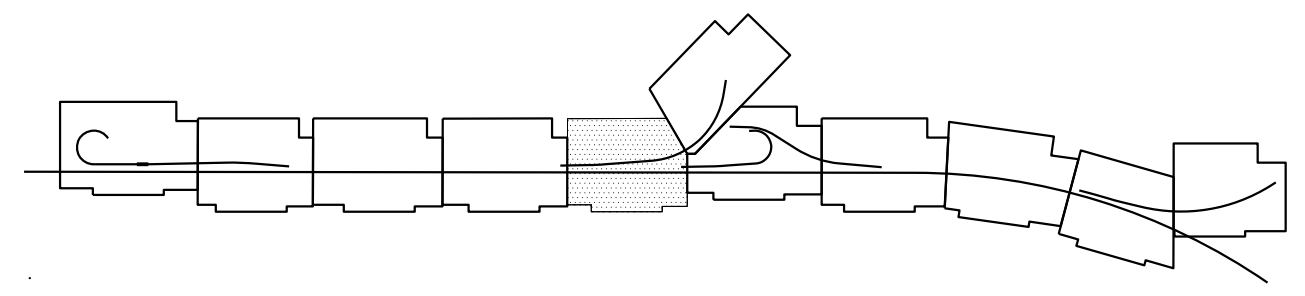
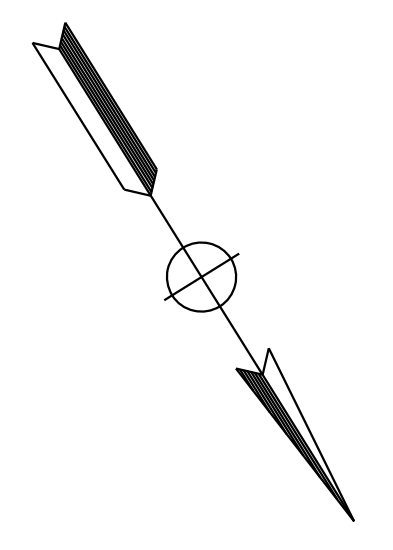
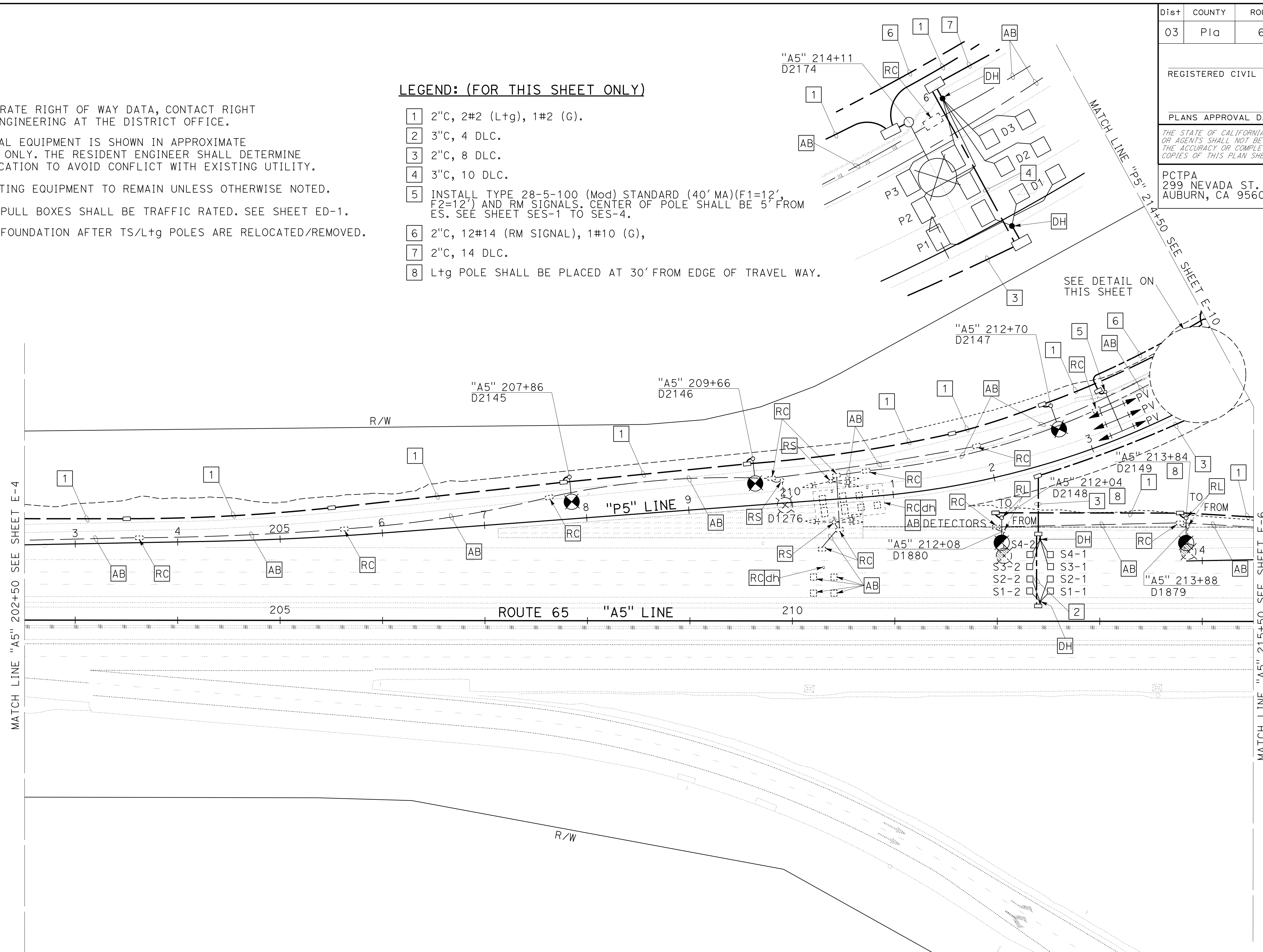
WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

**NOTES:**

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- RC** POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

- 2"C, 2#2 (Ltg), 1#2 (G).
- 3"C, 4 DLC.
- 2"C, 8 DLC.
- 3"C, 10 DLC.
- INSTALL TYPE 28-5-100 (Mod) STANDARD (40' MA)(F1=12', F2=12') AND RM SIGNALS. CENTER OF POLE SHALL BE 5' FROM ES. SEE SHEET SES-1 TO SES-4.
- 2"C, 12#14 (RM SIGNAL), 1#10 (G).
- 2"C, 14 DLC.
- Ltg POLE SHALL BE PLACED AT 30' FROM EDGE OF TRAVEL WAY.



**KEYMAP**

**MODIFYING LIGHTING SYSTEMS  
 MODIFYING RAMP METERING SYSTEMS**

SCALE: 1"=50'

**E-5**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR  
 MARK RAYBACK

DESIGNED BY  
 STEVEN ROBINSON

CHECKED BY  
 STEVEN LEUNG

REVISOR  
 DATE

REVISION  
 DATE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	196	230

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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AUBURN, CA 95603

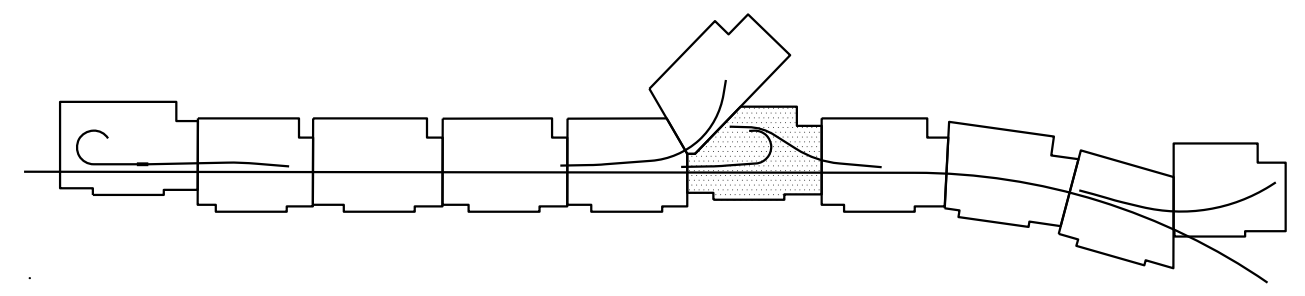
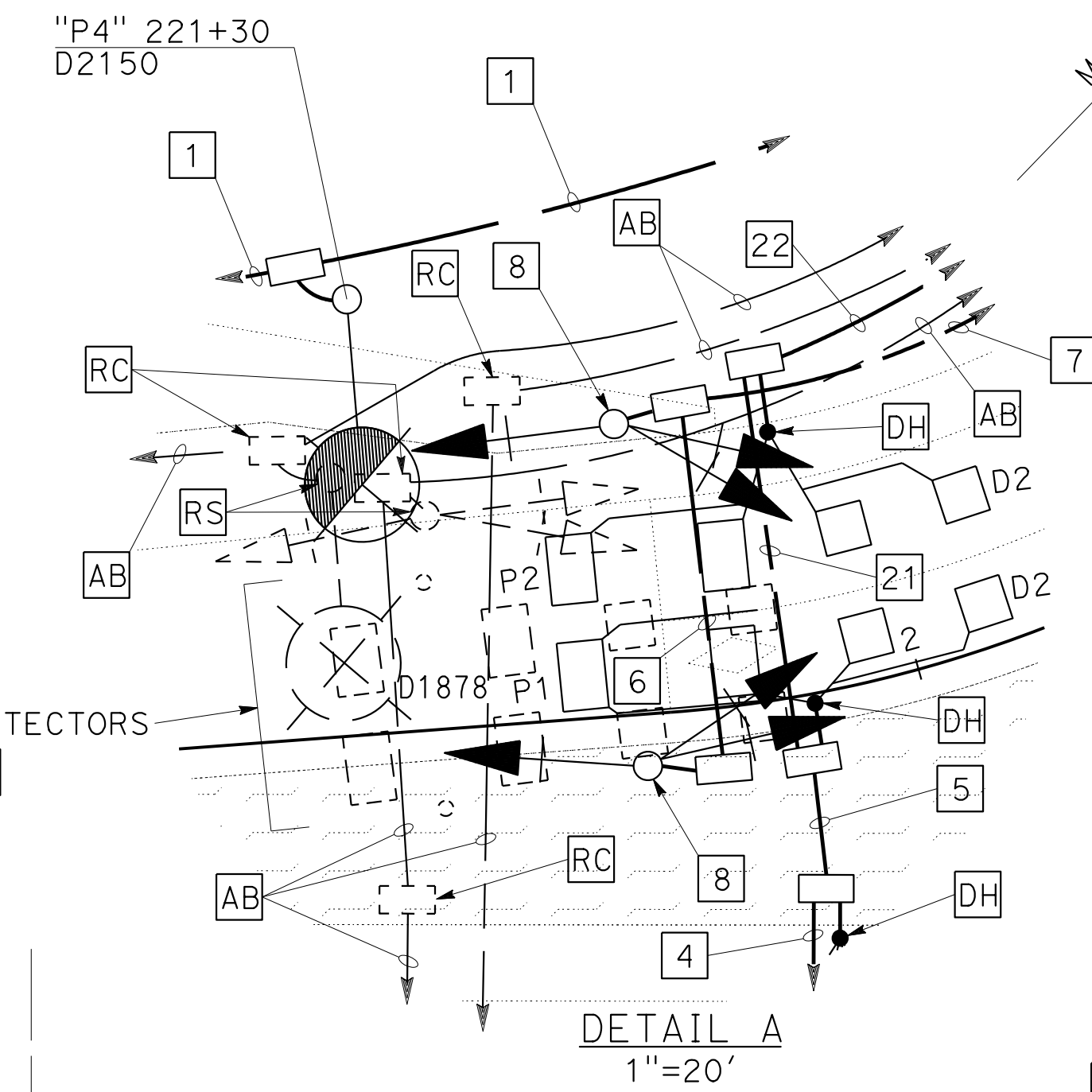
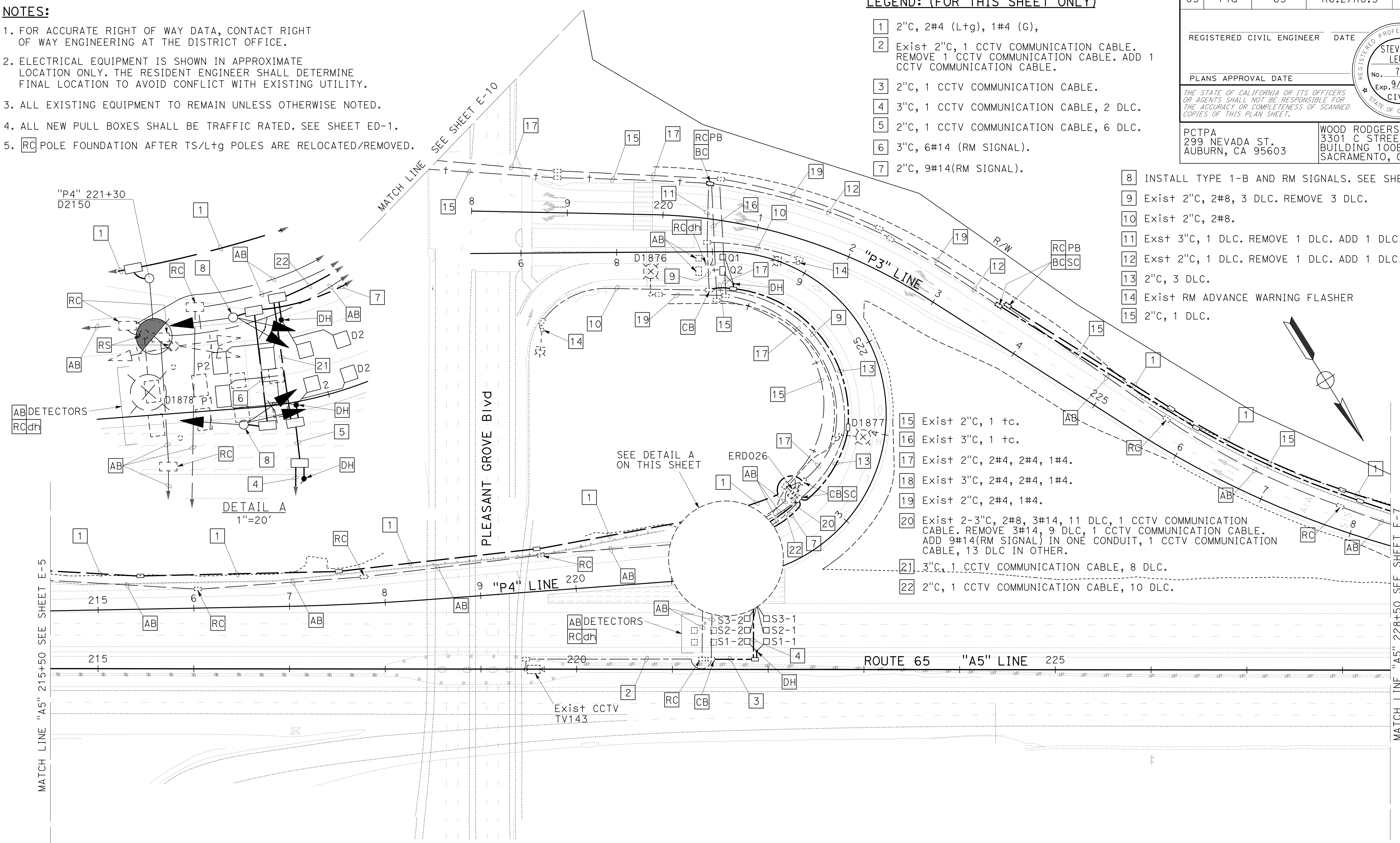
WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 2"C, 2#4 (Ltg), 1#4 (G),
- 2 Exist 2"C, 1 CCTV COMMUNICATION CABLE. REMOVE 1 CCTV COMMUNICATION CABLE. ADD 1 CCTV COMMUNICATION CABLE.
- 3 2"C, 1 CCTV COMMUNICATION CABLE.
- 4 3"C, 1 CCTV COMMUNICATION CABLE, 2 DLC.
- 5 2"C, 1 CCTV COMMUNICATION CABLE, 6 DLC.
- 6 3"C, 6#14 (RM SIGNAL).
- 7 2"C, 9#14(RM SIGNAL).
- 8 INSTALL TYPE 1-B AND RM SIGNALS. SEE SHEET ED-3.
- 9 Exist 2"C, 2#8, 3 DLC. REMOVE 3 DLC.
- 10 Exist 2"C, 2#8.
- 11 Exst 3"C, 1 DLC. REMOVE 1 DLC. ADD 1 DLC.
- 12 Exst 2"C, 1 DLC. REMOVE 1 DLC. ADD 1 DLC.
- 13 2"C, 3 DLC.
- 14 Exist RM ADVANCE WARNING FLASHER
- 15 2"C, 1 DLC.
- 15 Exist 2"C, 1 tc.
- 16 Exist 3"C, 1 tc.
- 17 Exist 2"C, 2#4, 2#4, 1#4.
- 18 Exist 3"C, 2#4, 2#4, 1#4.
- 19 Exist 2"C, 2#4, 1#4.
- 20 Exist 2-3"C, 2#8, 3#14, 11 DLC, 1 CCTV COMMUNICATION CABLE. REMOVE 3#14, 9 DLC, 1 CCTV COMMUNICATION CABLE. ADD 9#14(RM SIGNAL) IN ONE CONDUIT, 1 CCTV COMMUNICATION CABLE, 13 DLC IN OTHER.
- 21 3"C, 1 CCTV COMMUNICATION CABLE, 8 DLC.
- 22 2"C, 1 CCTV COMMUNICATION CABLE, 10 DLC.

**NOTES:**

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- 3. ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- 4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- 5. RC POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.



**KEYMAP**

APPROVED FOR ELECTRICAL WORK ONLY

**MODIFYING LIGHTING SYSTEMS  
MODIFYING RAMP METERING SYSTEMS**

SCALE: 1"=50'

**E-6**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans

REVISOR: STEVEN ROBINSON  
DESIGNER: STEVEN LEUNG  
CHECKER: MARK RAYBACK

USERNAME => sleung  
DGN FILE => 031F1701ua006.dgn

RELATIVE BORDER SCALE IS IN INCHES

UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020  
00-00-00 TIME PLOTTED => 16:49

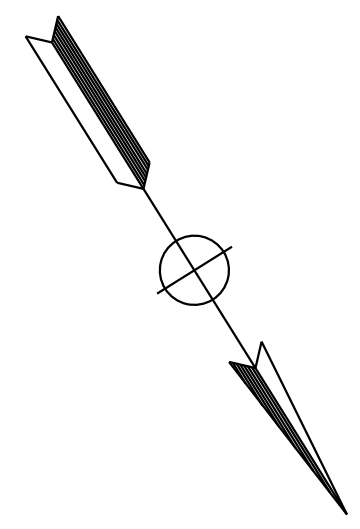
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	197	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 299 NEVADA ST.  
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WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

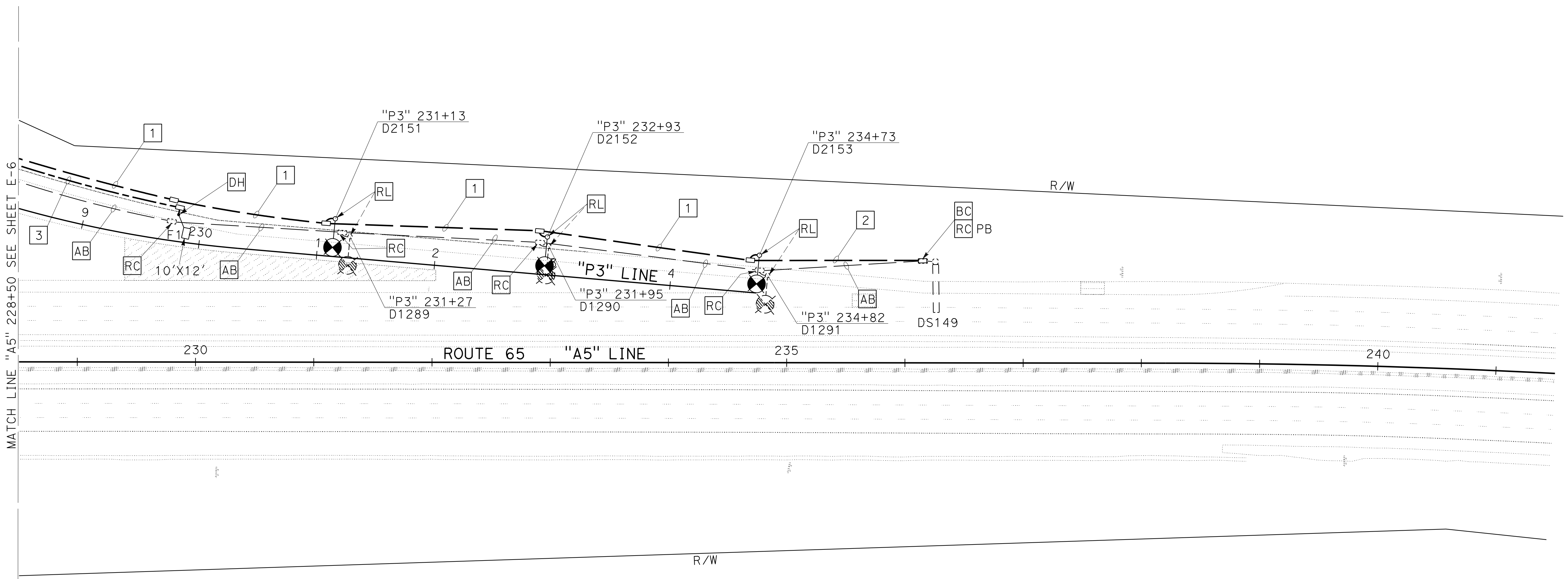


**NOTES:**

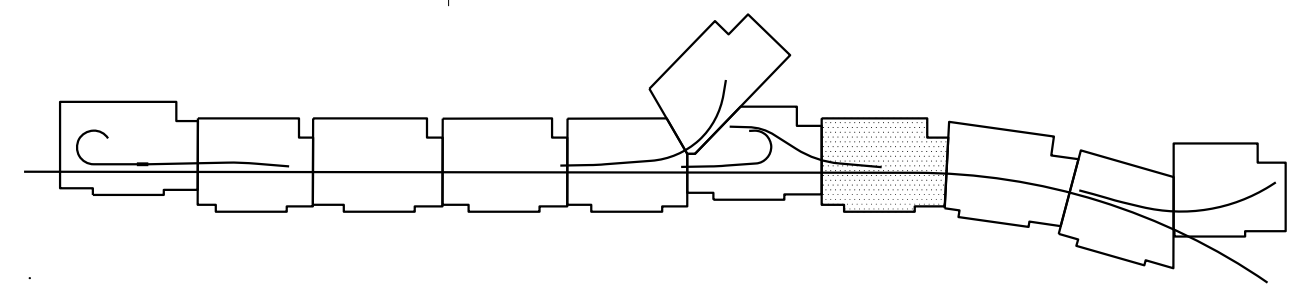
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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- RC** POLE FOUNDATION AFTER TS/L+g POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 2"C, 2#4 (Ltg), 1#4 (G),
- 2 Exist 2"C, PT.
- 3 2"C, 1 DLC.



MATCH LINE "A5" 228+50 SEE SHEET E-6



**KEYMAP**

**MODIFYING LIGHTING SYSTEMS  
 MODIFYING RAMP METERING SYSTEMS**

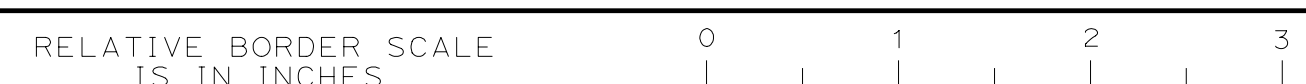
SCALE: 1"=50'

**E-7**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR	DATE
Et Caltrans	STEVEN ROBINSON	MARK RAYBACK	STEVEN LEUNG	STEVEN LEUNG	
	STEVEN ROBINSON	MARK RAYBACK	STEVEN LEUNG	STEVEN LEUNG	

USERNAME => sleung  
 DGN FILE => 031F1701ua007.dgn



UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:49



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	198	230

**NOTES:**

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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- [RC]** POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

- Exist 2"C, 4#4. REMOVE 2#4 (SIGN Ltg).
- 2"C, 2#4 (Ltg), 2#4 (Ltg), 1#4 (G).
- 2"C, 4 DLC.
- 3"C, 6 LDC.
- 2"C, 12#14 (RM SIGNAL), 1#8 (G).
- 2"C, 10 DLC.
- INSTALL TYPE 28-5-100 (Mod) STANDARD (40' MA)(F1=12', F2=12') AND RM SIGNALS. CENTER OF POLE SHALL BE 5' FROM ES. SEE SHEET SES-1 TO SES-4.

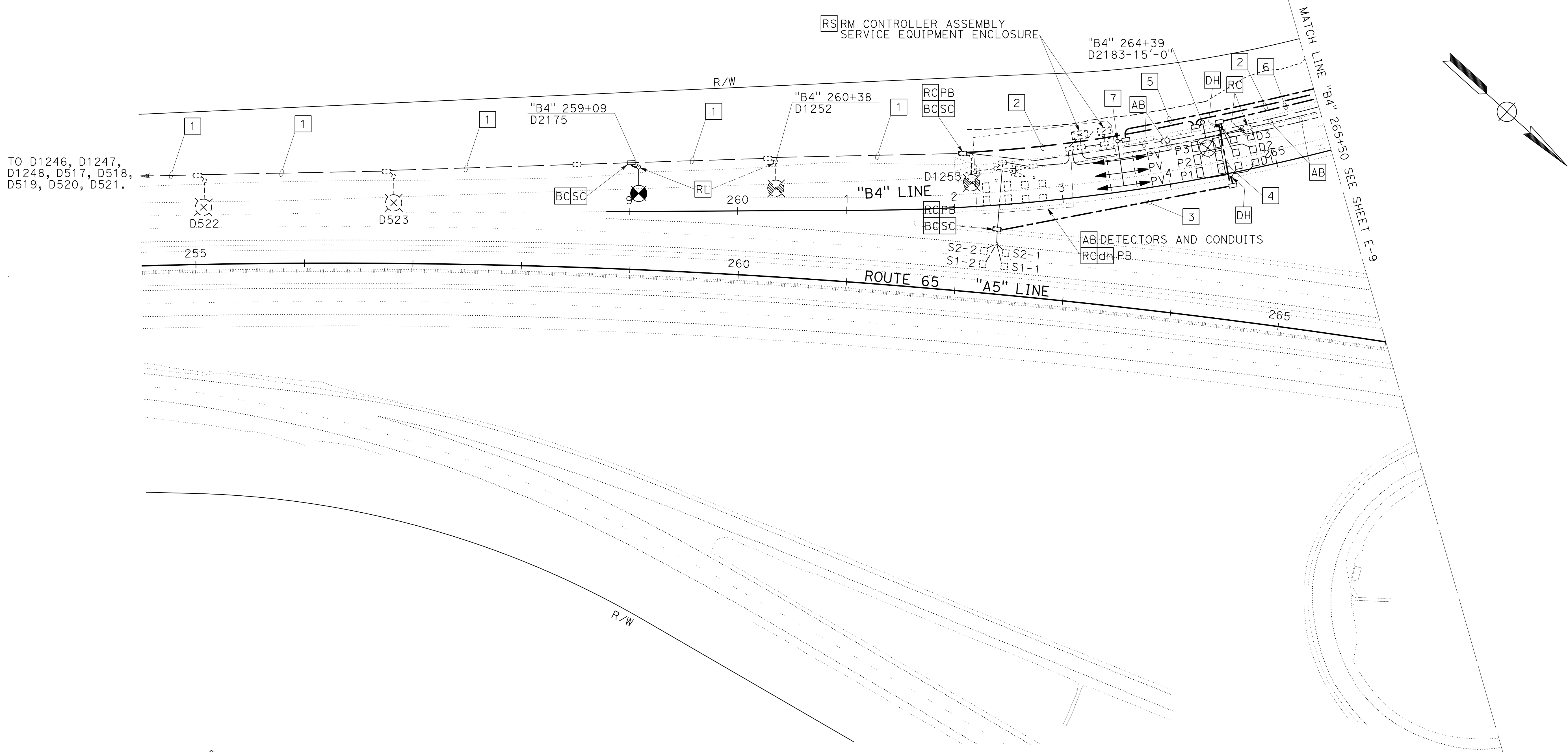
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

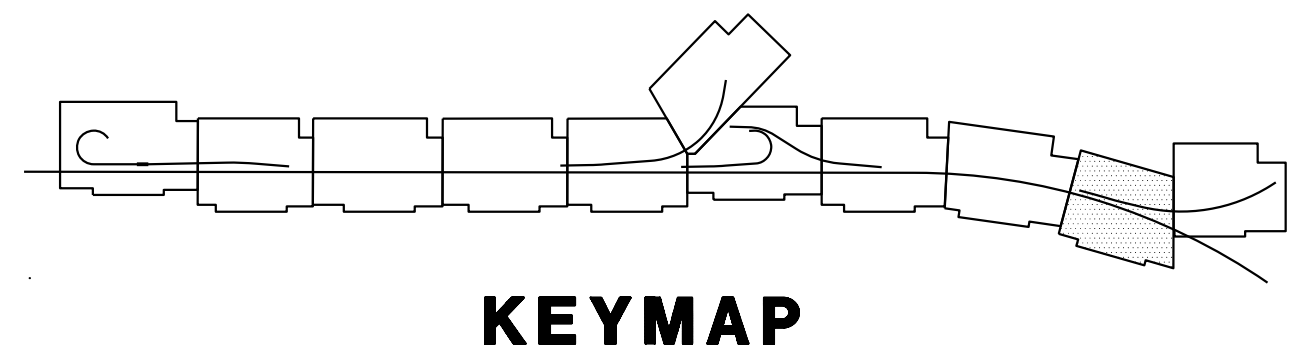
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299 NEVADA ST.  
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WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



TO D1246, D1247, D1248, D517, D518, D519, D520, D521.



**MODIFYING LIGHTING SYSTEMS  
MODIFYING RAMP METERING SYSTEMS**

SCALE: 1"=50'

**E-8**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans	STEVEN ROBINSON	STEVEN LEUNG
CONSULTANT - FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	CHECKED BY
MARK RAYBACK		

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:49

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plc	65	R6.2/R8.3	199	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
**STEVEN W. LEUNG**  
 No. 70004  
 Exp. 9/30/20  
 CIVIL  
 STATE OF CALIFORNIA

PLANS APPROVAL DATE \_\_\_\_\_  
 PCTPA  
 299 NEVADA ST.  
 AUBURN, CA 95603  
 WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

**NOTES:**

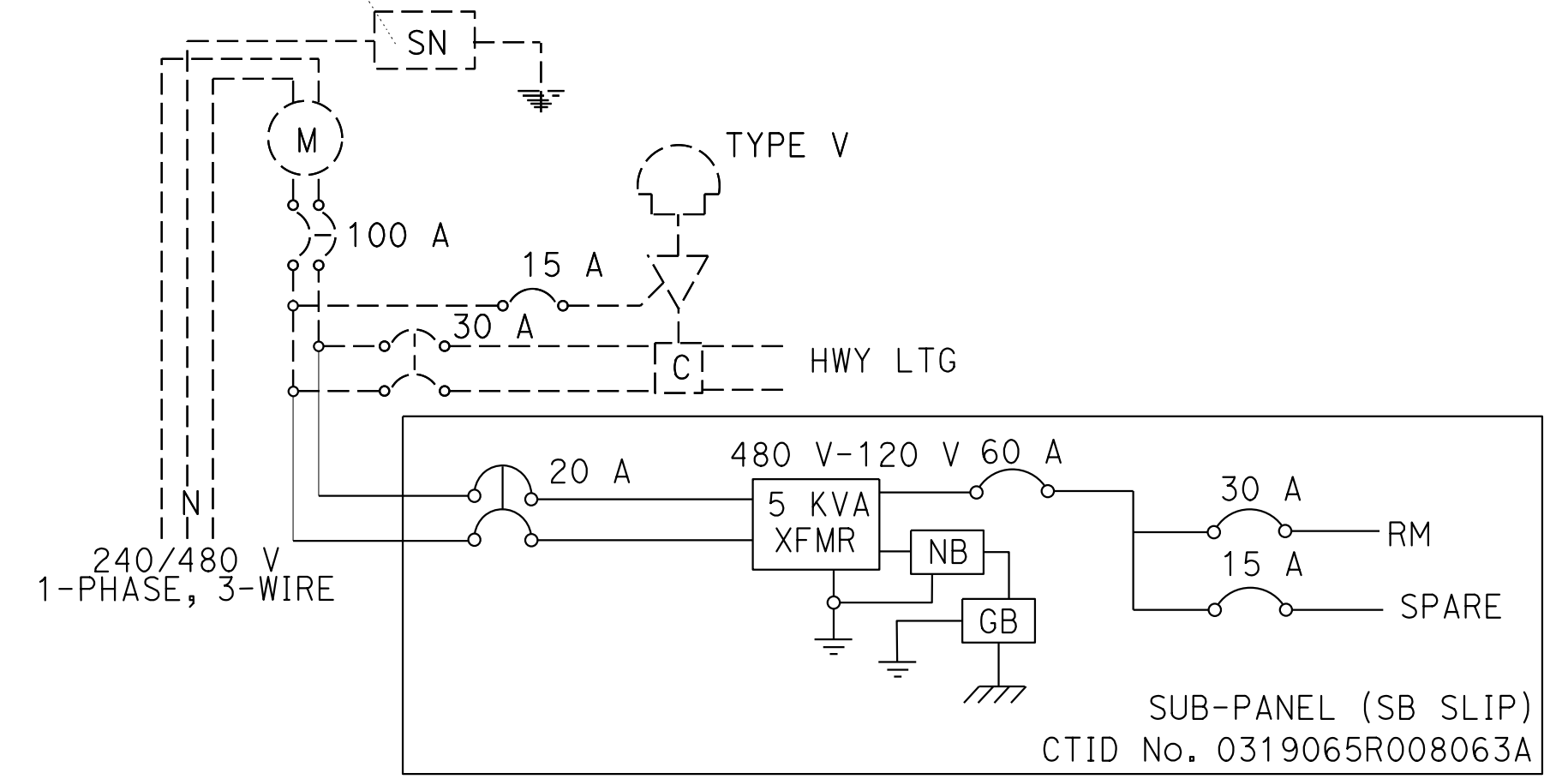
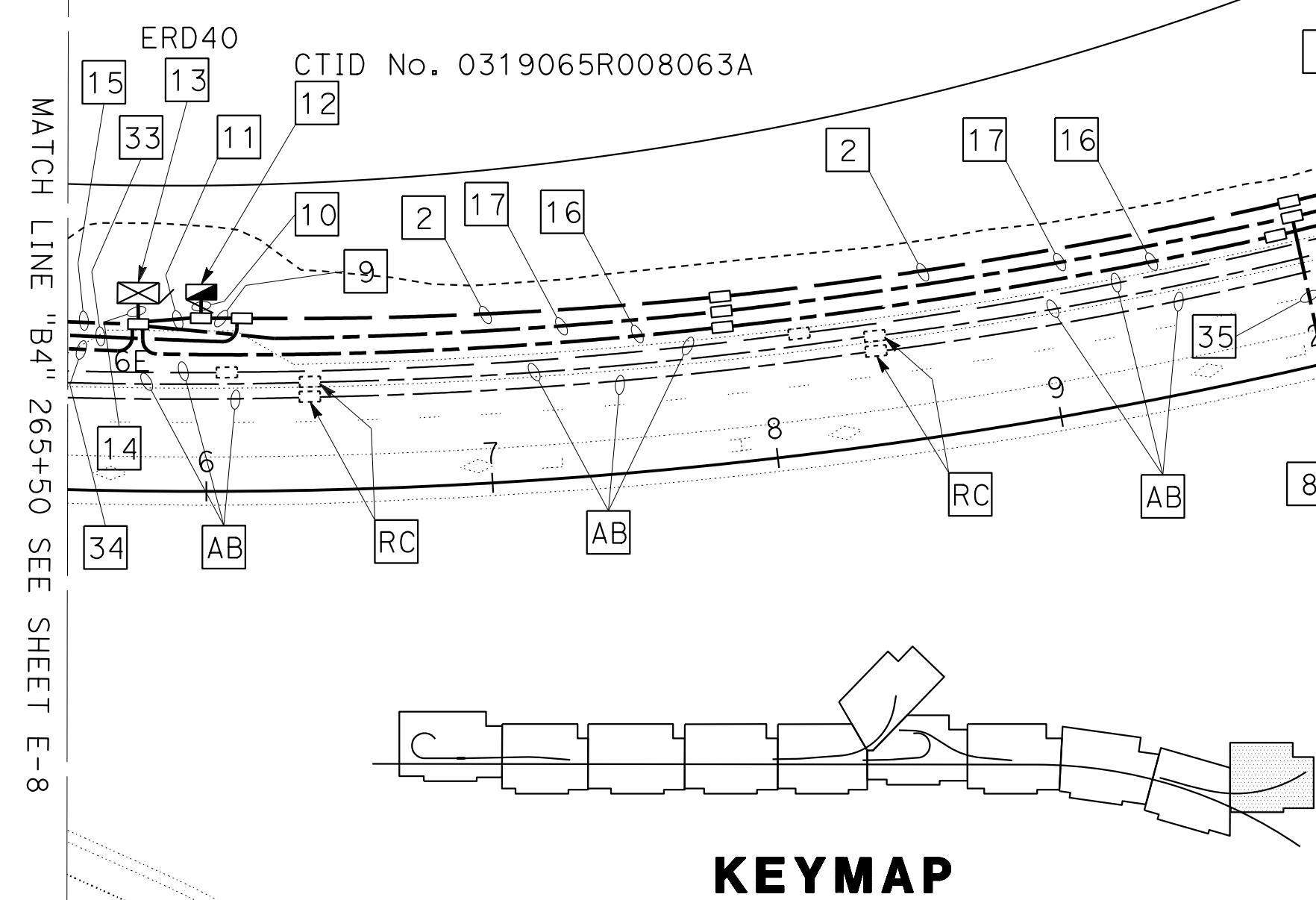
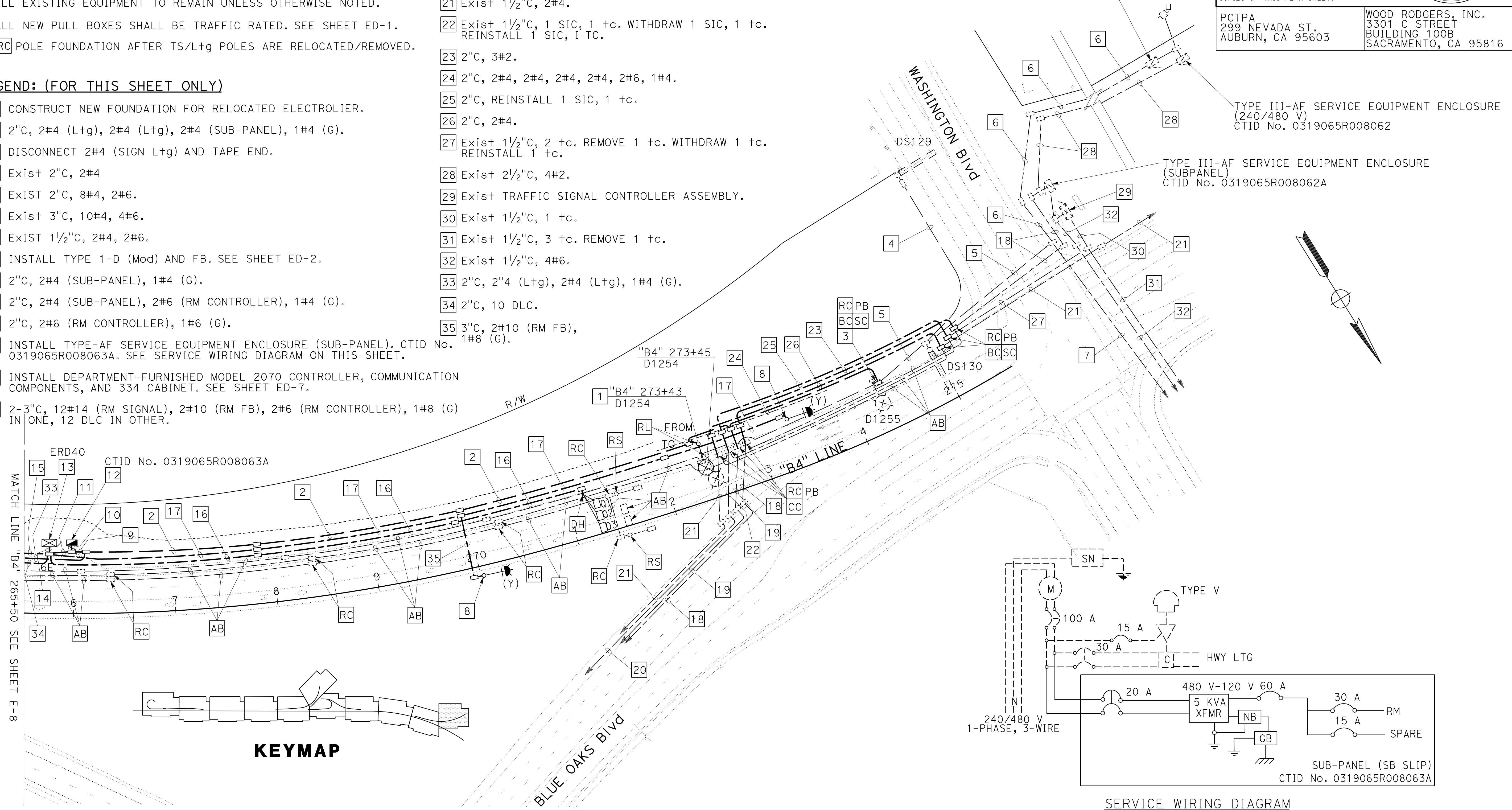
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- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- RC POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

- |    |  |
|----|--|
| 1  | CONSTRUCT NEW FOUNDATION FOR RELOCATED ELECTROLIER.  |
| 2  | 2"C, 2#4 (Ltg), 2#4 (Ltg), 2#4 (SUB-PANEL), 1#4 (G).   |
| 3  | DISCONNECT 2#4 (SIGN Ltg) AND TAPE END.  |
| 4  | Exist 2"C, 2#4   |
| 5  | EXIST 2"C, 8#4, 2#6.   |
| 6  | Exist 3"C, 10#4, 4#6.  |
| 7  | EXIST 1 1/2"C, 2#4, 2#6.   |
| 8  | INSTALL TYPE 1-D (Mod) AND FB. SEE SHEET ED-2.   |
| 9  | 2"C, 2#4 (SUB-PANEL), 1#4 (G).   |
| 10 | 2"C, 2#4 (SUB-PANEL), 2#6 (RM CONTROLLER), 1#4 (G).  |
| 11 | 2"C, 2#6 (RM CONTROLLER), 1#6 (G).   |
| 12 | INSTALL TYPE-AF SERVICE EQUIPMENT ENCLOSURE (SUB-PANEL). CTID No. 0319065R008063A. SEE SERVICE WIRING DIAGRAM ON THIS SHEET. |
| 13 | INSTALL DEPARTMENT-FURNISHED MODEL 2070 CONTROLLER, COMMUNICATION COMPONENTS, AND 334 CABINET. SEE SHEET ED-7.               |
| 14 | 2-3"C, 12#14 (RM SIGNAL), 2#10 (RM FB), 2#6 (RM CONTROLLER), 1#8 (G) IN ONE, 12 DLC IN OTHER.                                |

- |    |  |
|----|--|
| 15 | 2"C, 12#14 (RM SIGNAL), 1#8 (G).   |
| 16 | 2"C, 3 DLC.  |
| 17 | 2"C, 2#10 (RM FB), 1#8 (G).  |
| 18 | Exist 1 1/2"C, 3#2.  |
| 19 | Exist 1 1/2"C, 2#4, 2#6.   |
| 20 | Exist 1 1/2"C, 1 SIC, 1 tc.  |
| 21 | Exist 1 1/2"C, 2#4.  |
| 22 | Exist 1 1/2"C, 1 SIC, 1 tc. WITHDRAW 1 SIC, 1 tc. REINSTALL 1 SIC, 1 tc. |
| 23 | 2"C, 3#2.  |
| 24 | 2"C, 2#4, 2#4, 2#4, 2#4, 2#6, 1#4.                                       |
| 25 | 2"C, REINSTALL 1 SIC, 1 tc.  |
| 26 | 2"C, 2#4.  |
| 27 | Exist 1 1/2"C, 2 tc. REMOVE 1 tc. WITHDRAW 1 tc. REINSTALL 1 tc.         |
| 28 | Exist 2 1/2"C, 4#2.  |
| 29 | Exist TRAFFIC SIGNAL CONTROLLER ASSEMBLY.                                |
| 30 | Exist 1 1/2"C, 1 tc.   |
| 31 | Exist 1 1/2"C, 3 tc. REMOVE 1 tc.  |
| 32 | Exist 1 1/2"C, 4#6.  |
| 33 | 2"C, 2"4 (Ltg), 2#4 (Ltg), 1#4 (G).                                      |
| 34 | 2"C, 10 DLC.   |
| 35 | 3"C, 2#10 (RM FB), 1#8 (G).  |

TYPE III-AF SERVICE EQUIPMENT ENCLOSURE  
 (240/480 V)  
 CTID No. 0319065R008063  
 SEE SERVICE WIRING DIAGRAM ON THIS SHEET  
 SEE LIGHTING CIRCUIT DIAGRAM AND MODIFIED LOADS ON SHEET ED-6.



**MODIFYING LIGHTING SYSTEMS  
 MODIFYING RAMP METERING SYSTEMS**

SCALE: 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	200	230

REGISTERED CIVIL ENGINEER DATE



PLANS APPROVAL DATE

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299 NEVADA ST.  
AUBURN, CA 95603

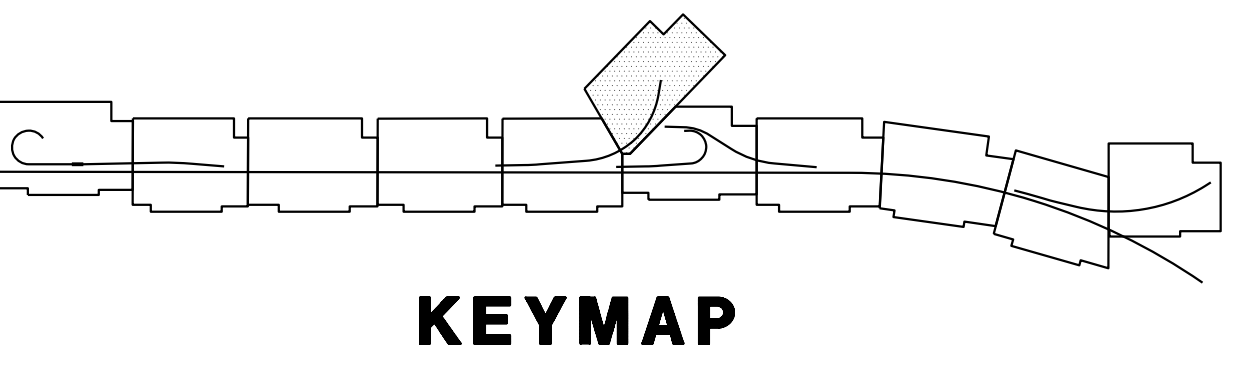
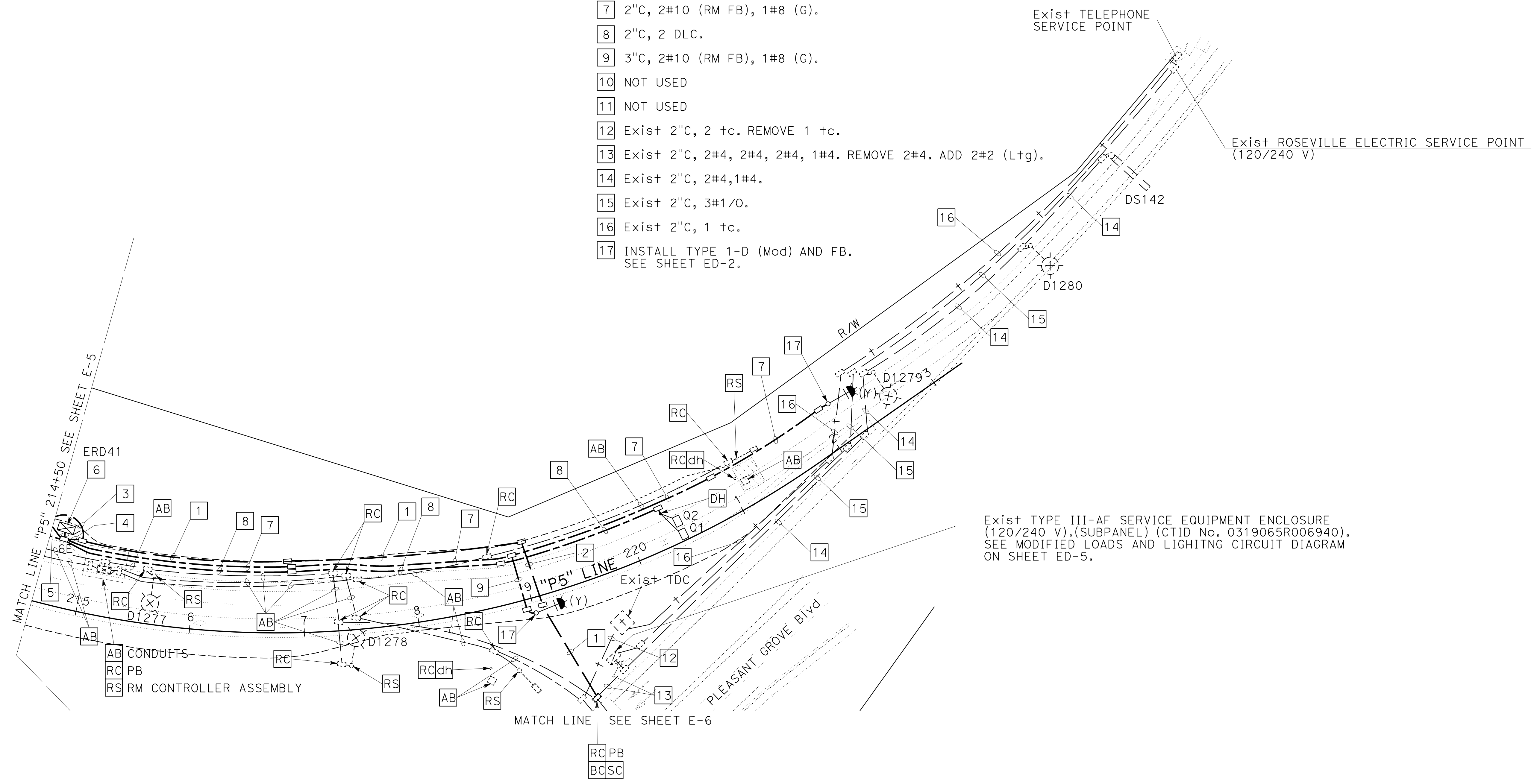
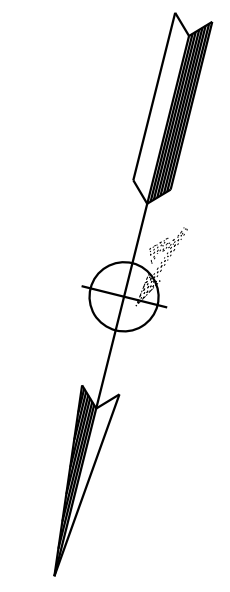
WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

**NOTES:**

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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- RC POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

**LEGEND: (FOR THIS SHEET ONLY)**

- 2"C, 2#2 (Ltg), 2#4 (RM CONTROLLER), 1#2(G),
- 3"C, 2#2 (Ltg), 2#4 (RM CONTROLLER), 1#2(G),
- 2"C, 2#2(Ltg), 1#2(G).
- 2"C, 2#4 (RM CONTROLLER), 1#4(G),
- 2-3"C, 2#4(Ltg), 12#14(RM SIGNAL), 2#4 (RM CONTROLLER), #4(G) IN ONE, 16 DLC IN OTHER.
- INSTALL DEPARTMENT-FURNISHED MODEL 2070 CONTROLLER, COMMUNICATION COMPONENTS, AND 334 CABINET. SEE SHEET ED-7.
- 2"C, 2#10 (RM FB), 1#8 (G).
- 2"C, 2 DLC.
- 3"C, 2#10 (RM FB), 1#8 (G).
- NOT USED
- NOT USED
- Exist 2"C, 2 tc. REMOVE 1 tc.
- Exist 2"C, 2#4, 2#4, 2#4, 1#4. REMOVE 2#4. ADD 2#2 (Ltg).
- Exist 2"C, 2#4, 1#4.
- Exist 2"C, 3#1/0.
- Exist 2"C, 1 tc.
- INSTALL TYPE 1-D (Mod) AND FB. SEE SHEET ED-2.



**MODIFYING LIGHTING SYSTEMS  
MODIFYING RAMP METERING SYSTEMS**

SCALE: 1"=50'

**E-10**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans

REVISOR BY DATE

STEVEN ROBINSON  
STEVEN LEUNG

CALCULATED-DESIGNED BY CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR  
MARK RAYBACK

USERNAME => sleung  
DGN FILE => 031F1701ua010.dgn

RELATIVE BORDER SCALE IS IN INCHES



UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020  
00-00-00 TIME PLOTTED => 16:49



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	201	230

REGISTERED CIVIL ENGINEER DATE: \_\_\_\_\_  
 PLANS APPROVAL DATE: \_\_\_\_\_  
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 SACRAMENTO, CA 95816

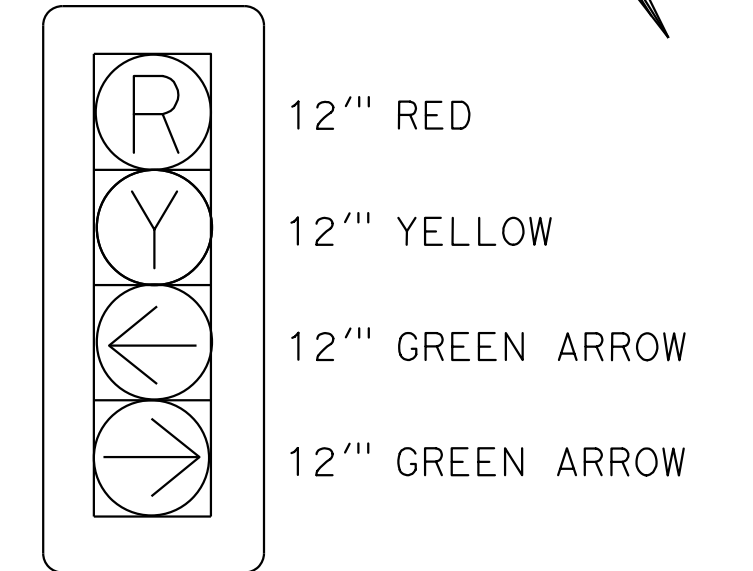
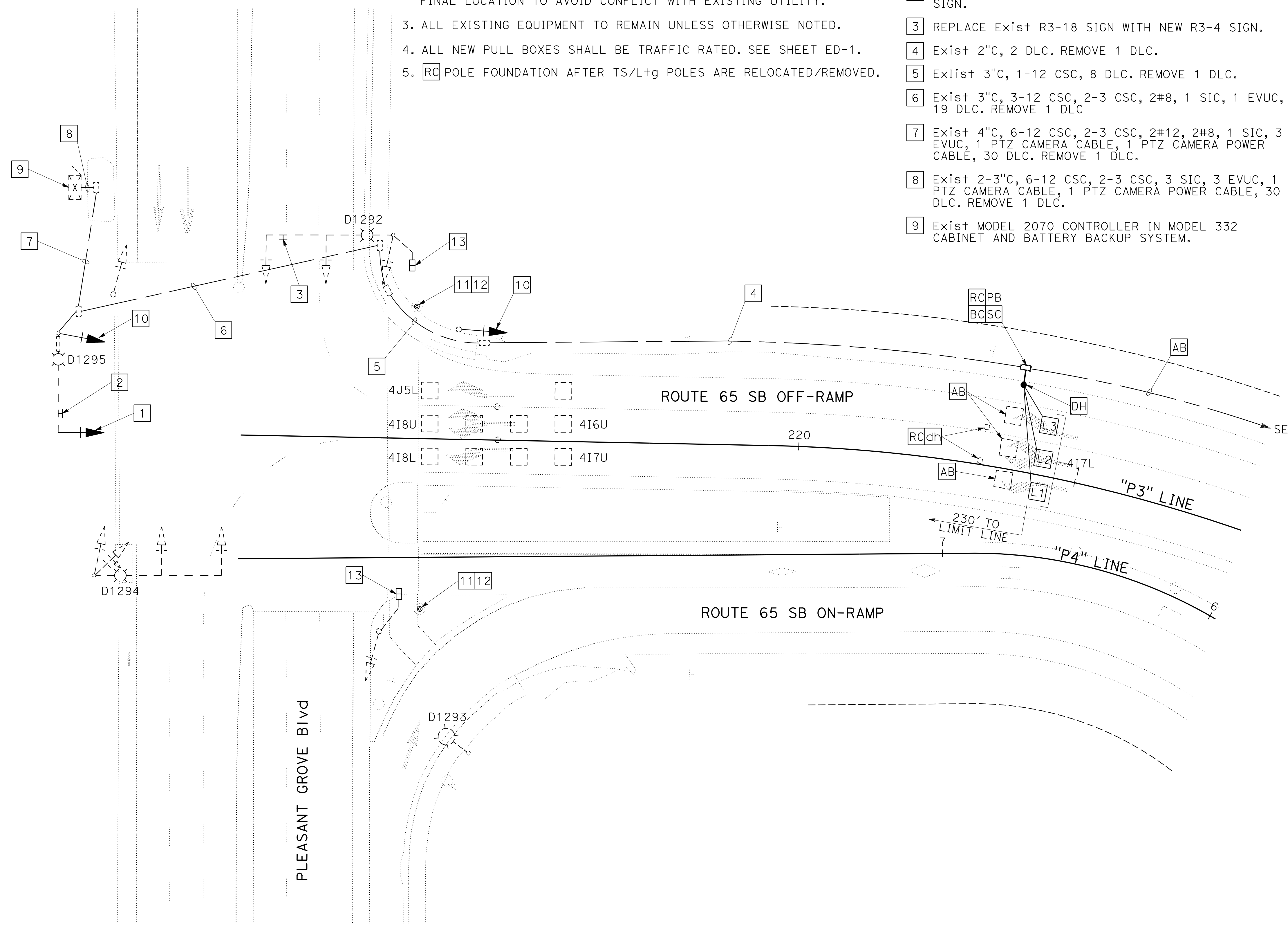
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- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
- RC** POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

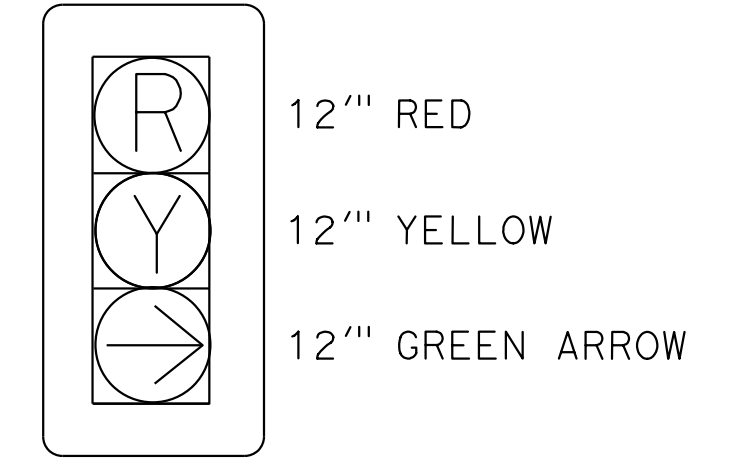
**LEGEND: (FOR THIS SHEET ONLY)**

- REPLACE Exist 3-SECTION VEHICLE SIGNAL HEAD WITH NEW 4-SECTION VEHICLE SIGNAL HEAD. SEE DETAIL A ON THIS SHEET.
- REPLACE Exist R61-28(CA) SIGN WITH NEW R61-26(CA) SIGN.
- REPLACE Exist R3-18 SIGN WITH NEW R3-4 SIGN.
- Exist 2"C, 2 DLC. REMOVE 1 DLC.
- Exist 3"C, 1-12 CSC, 8 DLC. REMOVE 1 DLC.
- Exist 3"C, 3-12 CSC, 2-3 CSC, 2#8, 1 SIC, 1 EVUC, 19 DLC. REMOVE 1 DLC.
- Exist 4"C, 6-12 CSC, 2-3 CSC, 2#12, 2#8, 1 SIC, 3 EVUC, 1 PTZ CAMERA CABLE, 1 PTZ CAMERA POWER CABLE, 30 DLC. REMOVE 1 DLC.
- Exist 2-3"C, 6-12 CSC, 2-3 CSC, 3 SIC, 3 EVUC, 1 PTZ CAMERA CABLE, 1 PTZ CAMERA POWER CABLE, 30 DLC. REMOVE 1 DLC.
- Exist MODEL 2070 CONTROLLER IN MODEL 332 CABINET AND BATTERY BACKUP SYSTEM.

- REPLACE Exist 3-SECTION VEHICLE SIGNAL HEAD WITH NEW 3-SECTION VEHICLE SIGNAL HEAD. SEE DETAIL B ON THIS SHEET.
- REPLACE EXISTING PEDESTRIAN PUSH BUTTON WITH NEW ACCESSIBLE PEDESTRIAN SIGNAL (APS). REPLACE EXISTING PBA POST WITH NEW PBA POST FOR APS.
- ALL PUSH BUTTON ASSEMBLIES SHALL BE APS TYPE WITH R10 SERIES SIGNS. SEE SIGN PLANS.
- REPLACE EXISTING PEDESTRIAN SIGNAL HEAD WITH NEW COUNT-DOWN TYPE PEDESTRIAN SIGNAL HEAD.



**DETAIL A**  
 4-SECTION VEHICLE SIGNAL HEAD  
 NO SCALE



**DETAIL B**  
 3-SECTION VEHICLE SIGNAL HEAD  
 NO SCALE

**MODIFYING SIGNAL AND LIGHTING SYSTEMS**

SCALE: 1"=20'

APPROVED FOR ELECTRICAL WORK ONLY

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	202	230

REGISTERED CIVIL ENGINEER DATE



PLANS APPROVAL DATE

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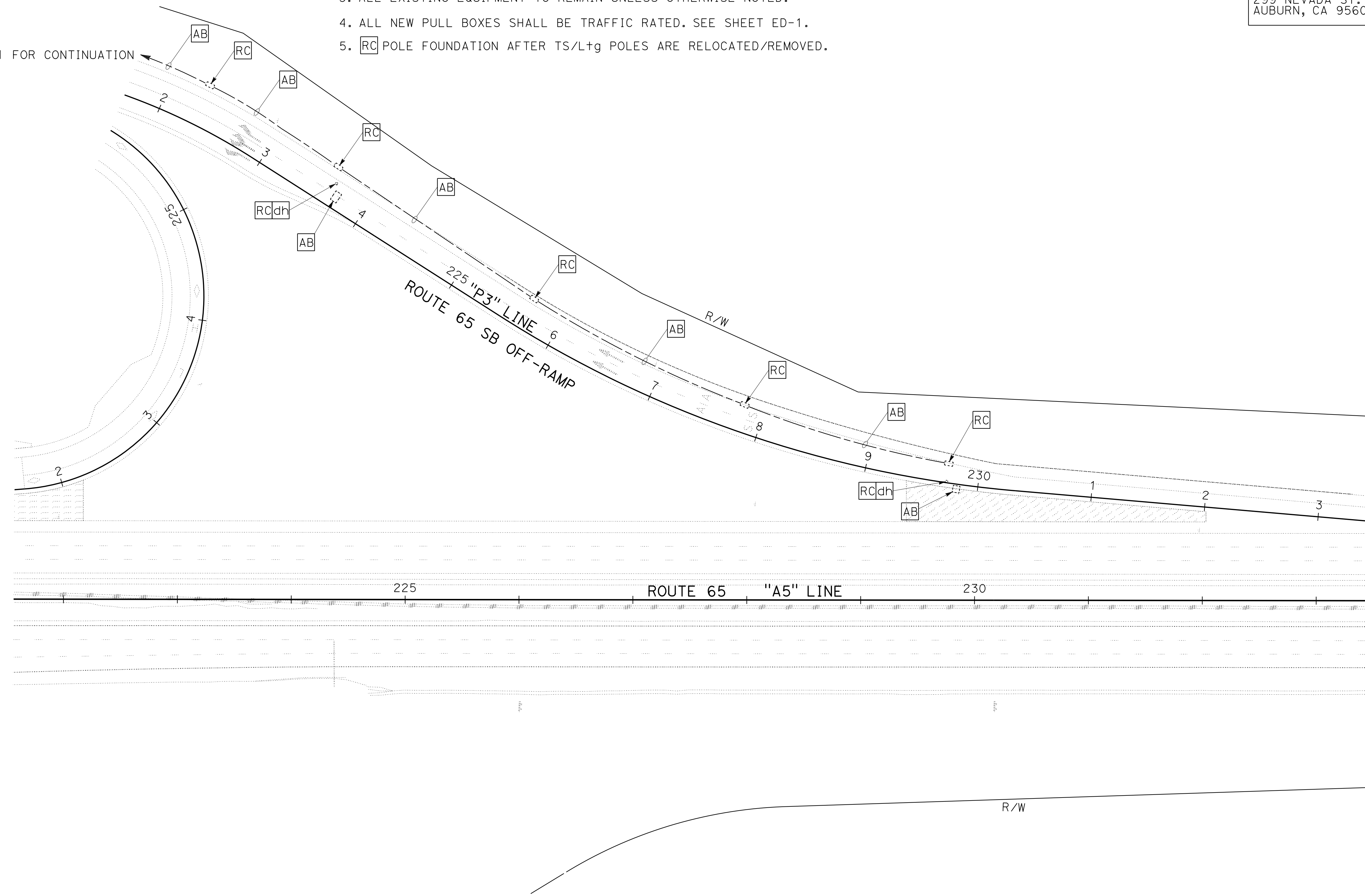
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299 NEVADA ST.  
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WOOD RODGERS, INC.  
3301 C STREET  
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4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.
5. **RC** POLE FOUNDATION AFTER TS/Ltg POLES ARE RELOCATED/REMOVED.

SEE E-11 FOR CONTINUATION



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
<b>Caltrans</b>	STEVEN ROBINSON	STEVEN LEUNG
CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	CHECKED BY
MARK RAYBACK		

**MODIFYING SIGNAL AND LIGHTING SYSTEMS**

SCALE: 1"=50'

**E-12**

APPROVED FOR ELECTRICAL WORK ONLY



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	203	230

**NOTES:**

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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 Exist 2"C, 4#4.
- 2 MESSENGER CABLE, 2#4 (Ltg), 2#4 (Ltg), 1#4 (COMMON).

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

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.

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AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

REGISTERED PROFESSIONAL ENGINEER

STEVEN W. LEUNG

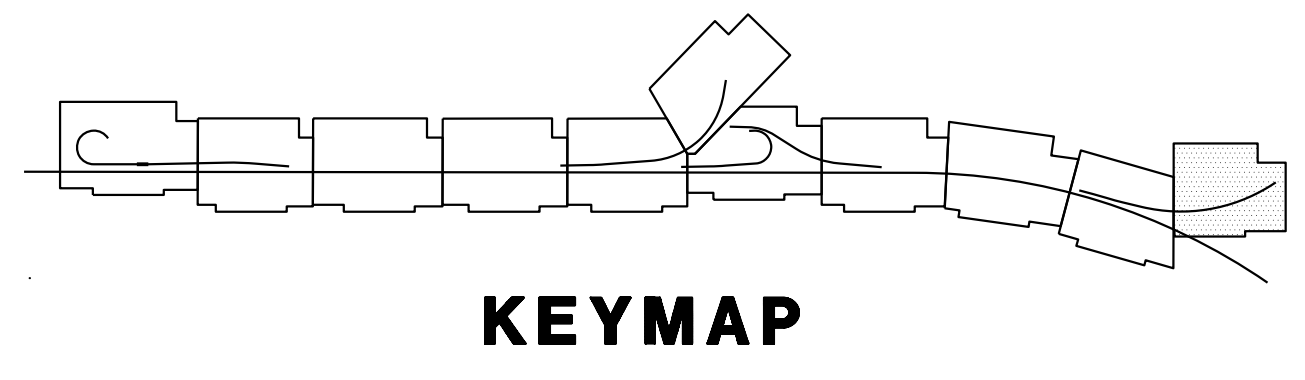
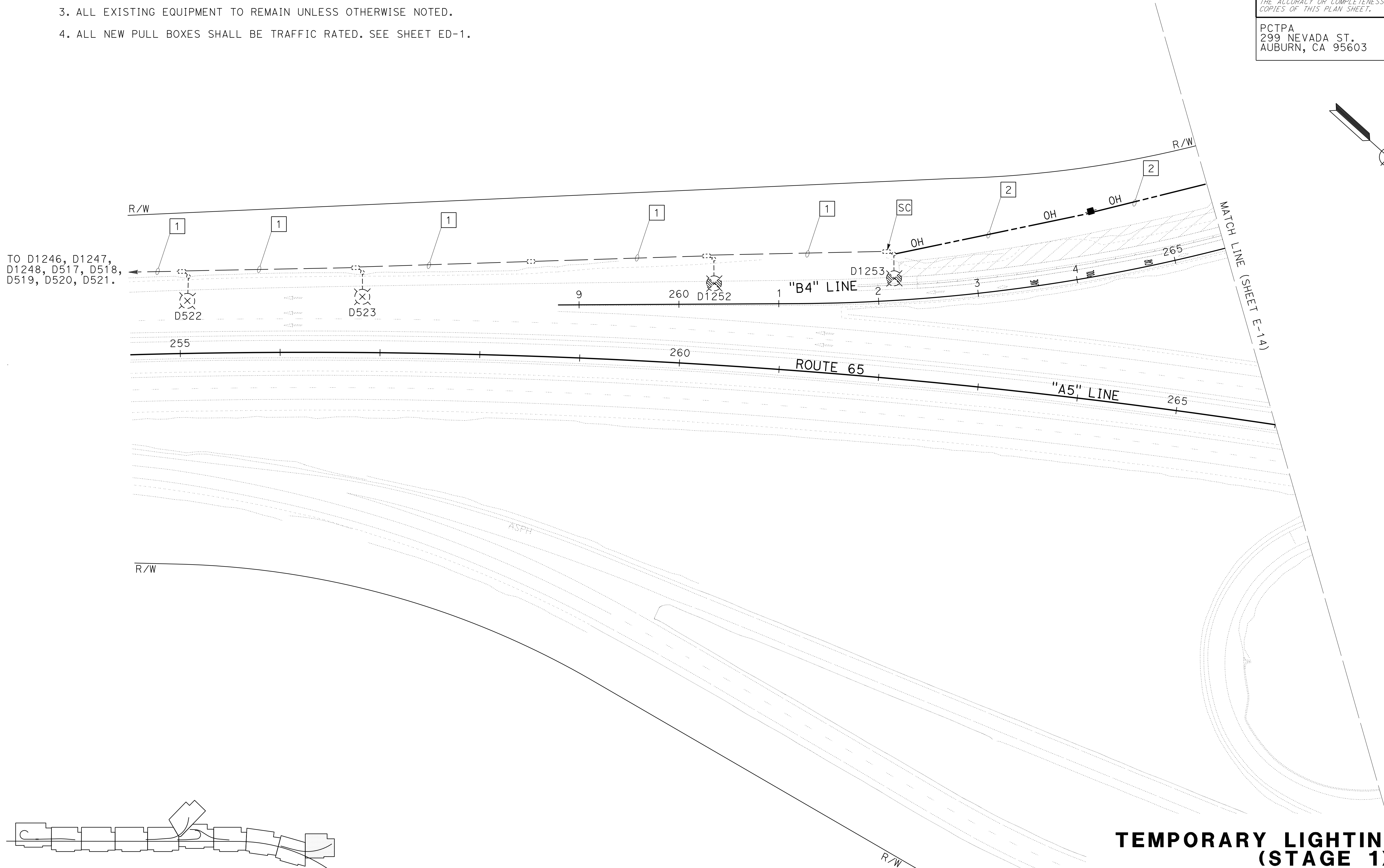
No. 70004

Exp. 9/30/20

CIVIL

STATE OF CALIFORNIA

STEVEN ROBINSON	REVISOR
STEVEN LEUNG	DATE
MARK RAYBACK	CHECKED BY
MARK RAYBACK	DESIGNED BY
MARK RAYBACK	CALCULATED
MARK RAYBACK	FUNCTIONAL SUPERVISOR
MARK RAYBACK	CONSULTANT
MARK RAYBACK	DEPARTMENT OF TRANSPORTATION
MARK RAYBACK	STATE OF CALIFORNIA



**TEMPORARY LIGHTING SYSTEMS (STAGE 1)**

SCALE: 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:50



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	204	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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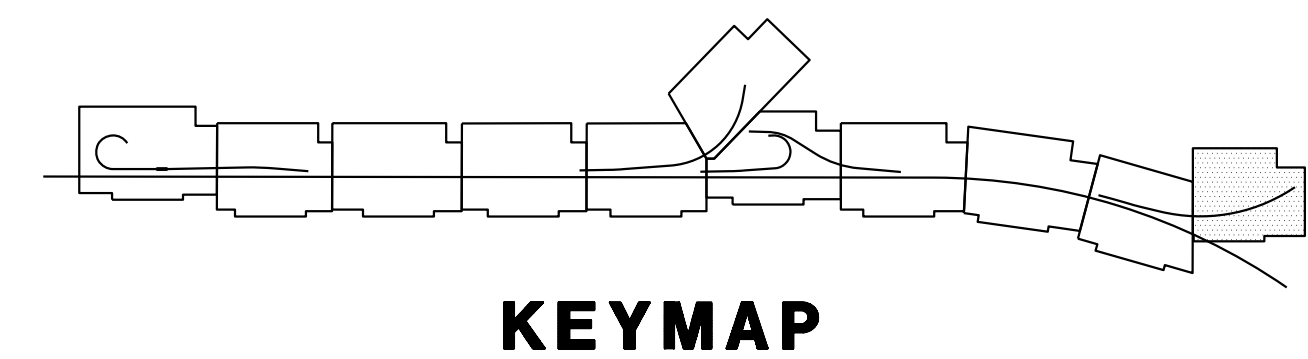
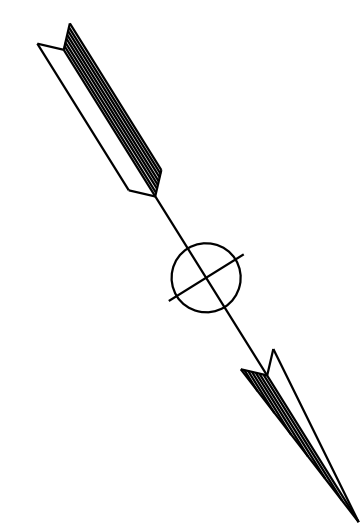
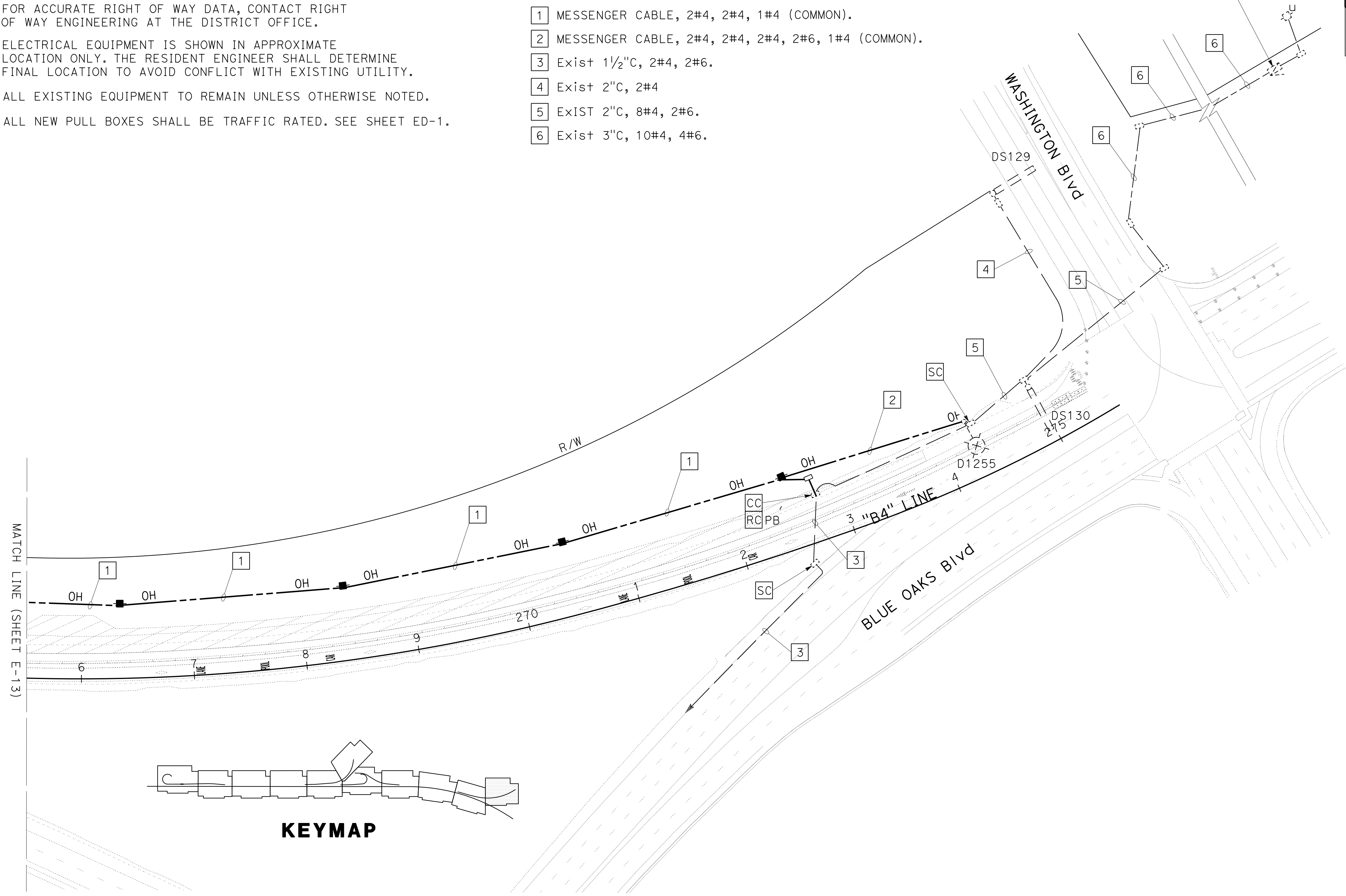
TYPE III-AF SERVICE EQUIPMENT ENCLOSURE  
(240/480 V)  
CTID No. 0319065R008063

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- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- MESSENGER CABLE, 2#4, 2#4, 1#4 (COMMON).
- MESSENGER CABLE, 2#4, 2#4, 2#4, 2#6, 1#4 (COMMON).
- Exist 1/2"C, 2#4, 2#6.
- Exist 2"C, 2#4
- Exist 2"C, 8#4, 2#6.
- Exist 3"C, 10#4, 4#6.



**TEMPORARY LIGHTING SYSTEMS  
(STAGE 1)**

SCALE: 1"=50'

**E-14**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
<b>Caltrans</b>	STEVEN ROBINSON	STEVEN LEUNG
CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	CHECKED BY
MARK RAYBACK		
MATCH LINE (SHEET E-13)		

USERNAME => sleung  
DGN FILE => 031F1701ua014.dgn



UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

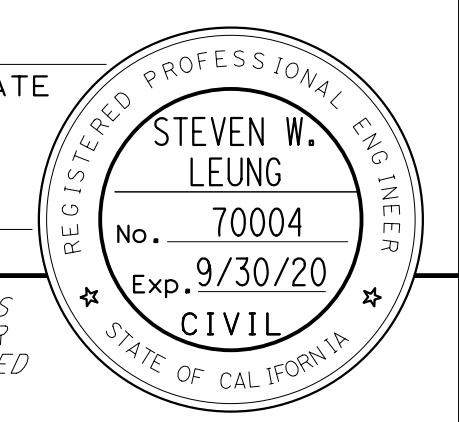
LAST REVISION DATE PLOTTED => 13-JUL-2020  
00-00-00 TIME PLOTTED => 16:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plc	65	R6.2/R8.3	205	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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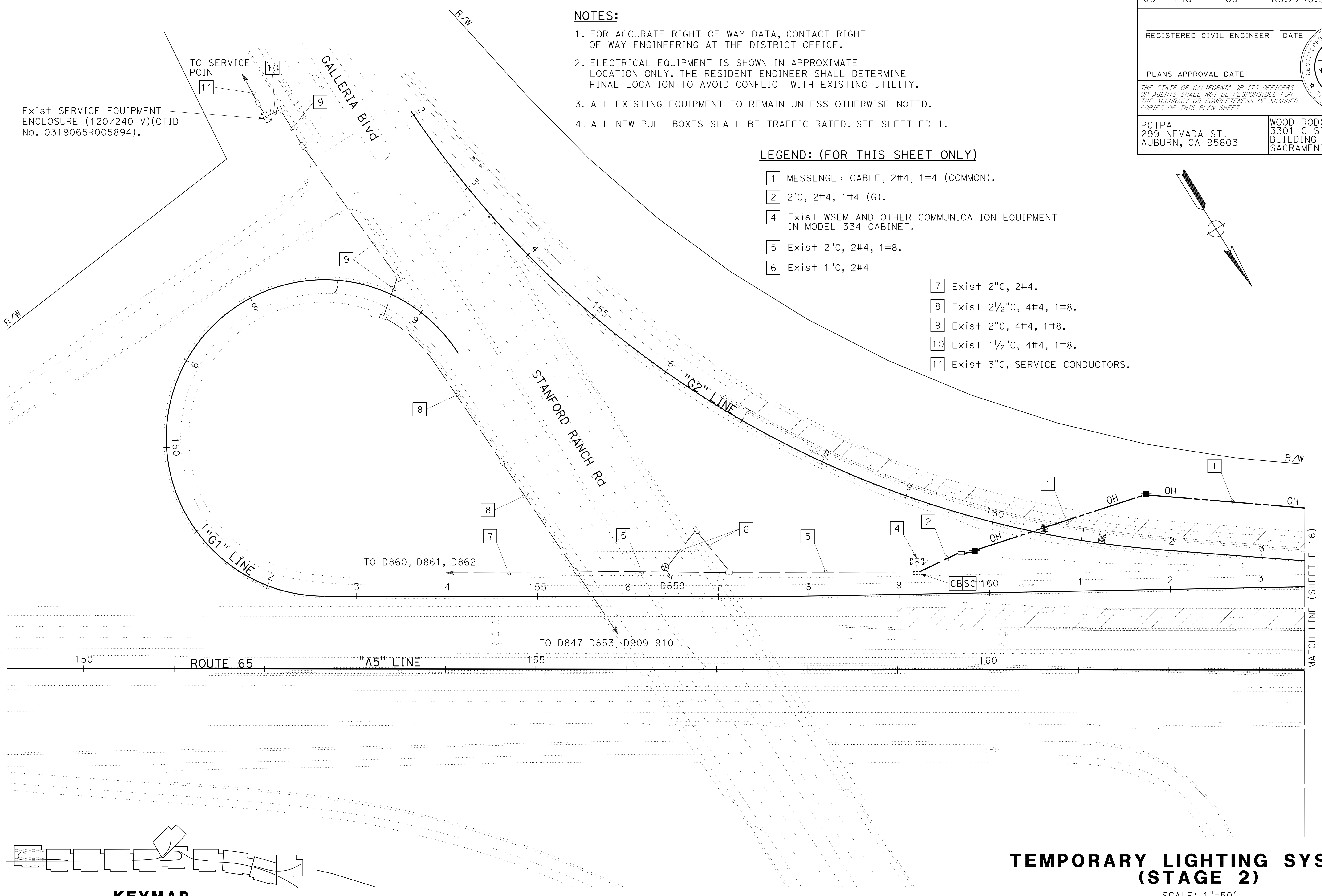
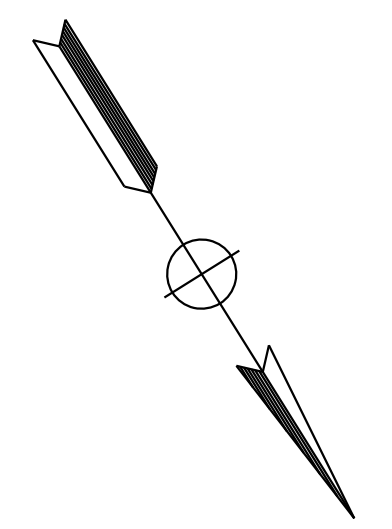
WOOD RODGERS, INC.  
3301 C STREET  
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SACRAMENTO, CA 95816

**NOTES:**

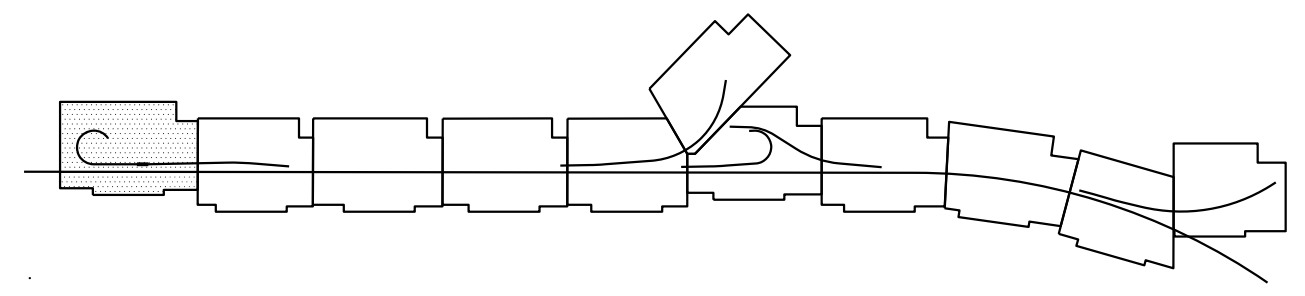
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4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 MESSENGER CABLE, 2#4, 1#4 (COMMON).
- 2 2'C, 2#4, 1#4 (G).
- 4 Exist WSEM AND OTHER COMMUNICATION EQUIPMENT IN MODEL 334 CABINET.
- 5 Exist 2"C, 2#4, 1#8.
- 6 Exist 1"C, 2#4
- 7 Exist 2"C, 2#4.
- 8 Exist 2½"C, 4#4, 1#8.
- 9 Exist 2"C, 4#4, 1#8.
- 10 Exist 1½"C, 4#4, 1#8.
- 11 Exist 3"C, SERVICE CONDUCTORS.



**KEYMAP**



**TEMPORARY LIGHTING SYSTEMS (STAGE 2)**

SCALE: 1"=50'

**E-15**

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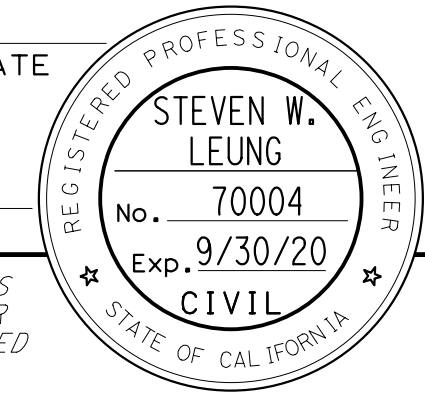
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR	DATE
	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	206	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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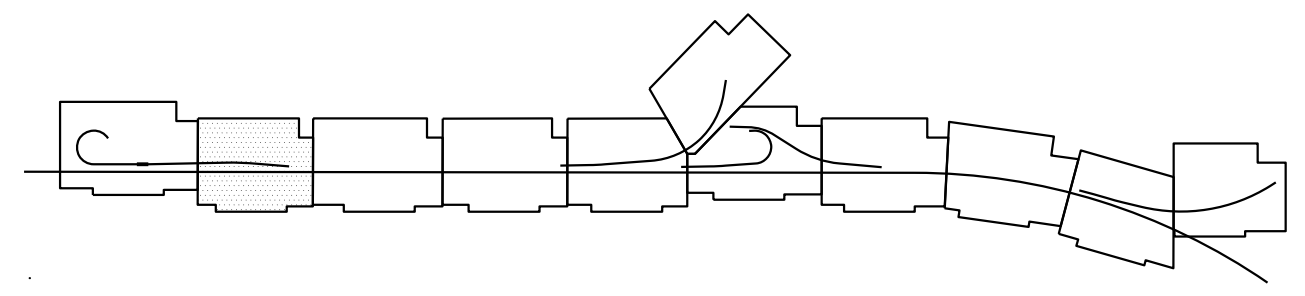
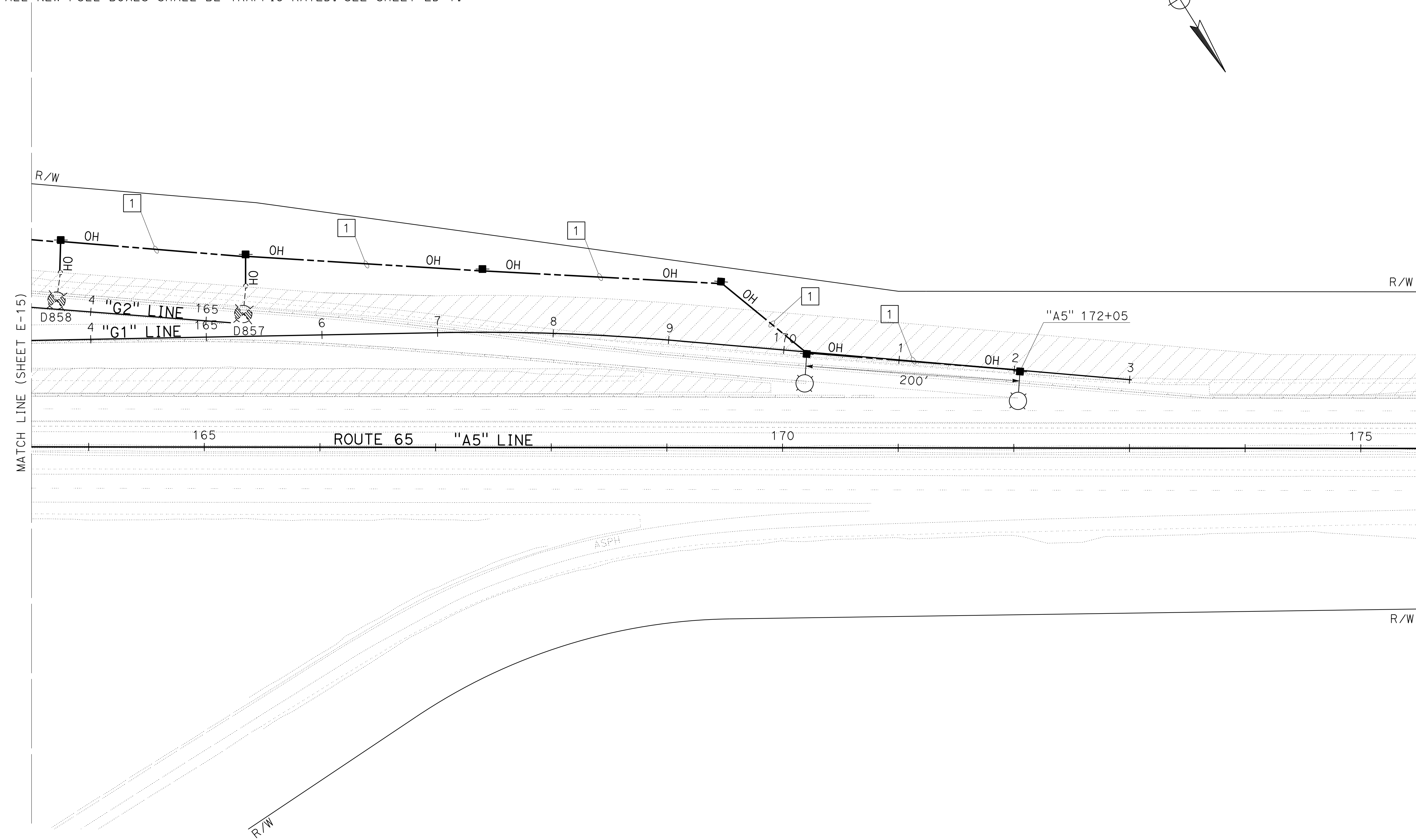
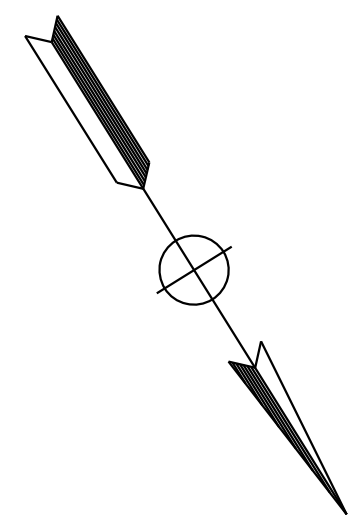
WOOD RODGERS, INC.  
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SACRAMENTO, CA 95816

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4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 MESSENGER CABLE, 2#4, 1#4 (COMMON).



**KEYMAP**

**TEMPORARY LIGHTING SYSTEMS (STAGE 2)**

SCALE: 1"=50'

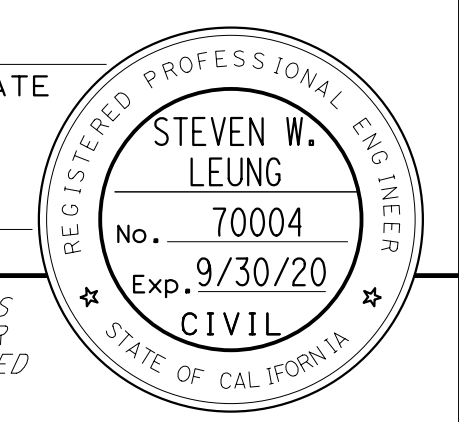
**E-16**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Et Caltrans	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	STEVEN ROBINSON	
				STEVEN LEUNG	

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:50

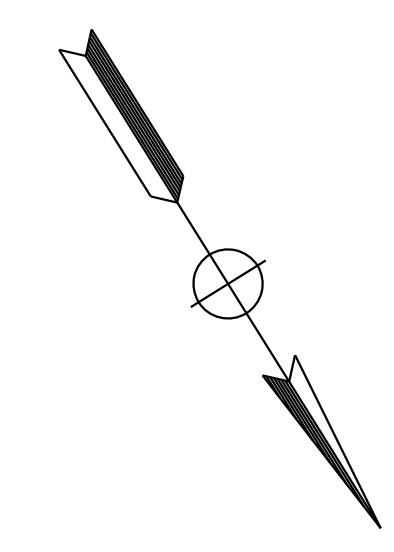
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	207	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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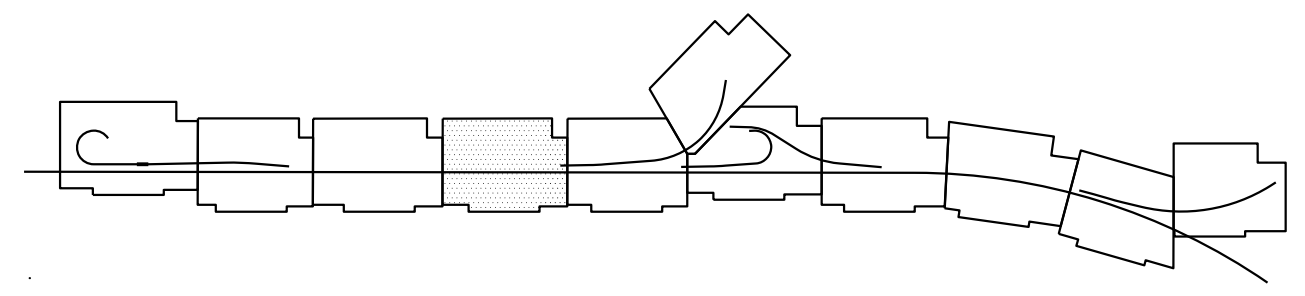
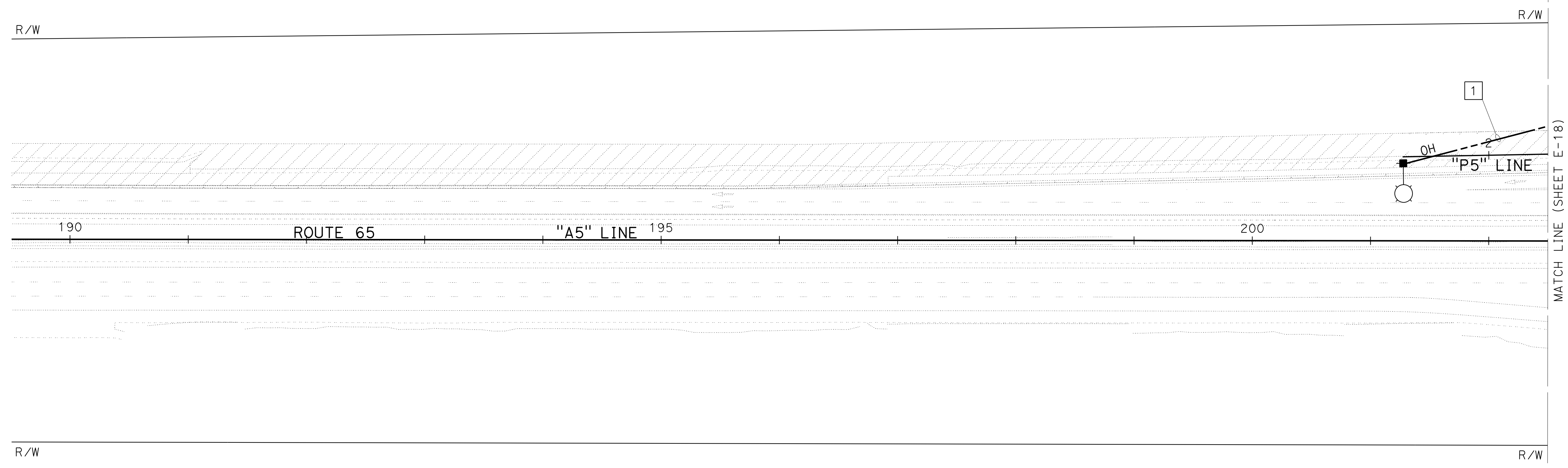


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**LEGEND: (FOR THIS SHEET ONLY)**

- 1 MESSENGER CABLE, 2#4, 1#4 (COMMON).



**KEYMAP**

**TEMPORARY LIGHTING SYSTEMS (STAGE 2)**

SCALE: 1"=50'

**E-17**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans

DESIGNED BY	REVISOR	DATE
MARK RAYBACK	STEVEN ROBINSON	
CHECKED BY	DESIGNED BY	DATE
STEVEN LEUNG	STEVEN LEUNG	



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	208	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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 AUBURN, CA 95603

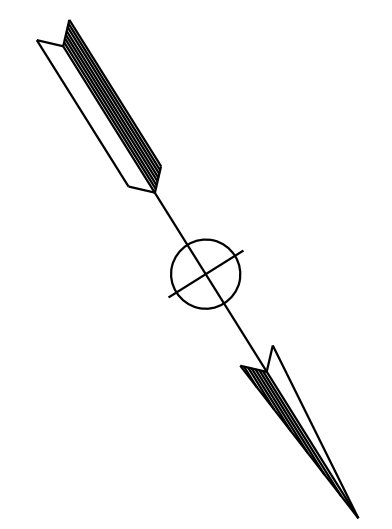
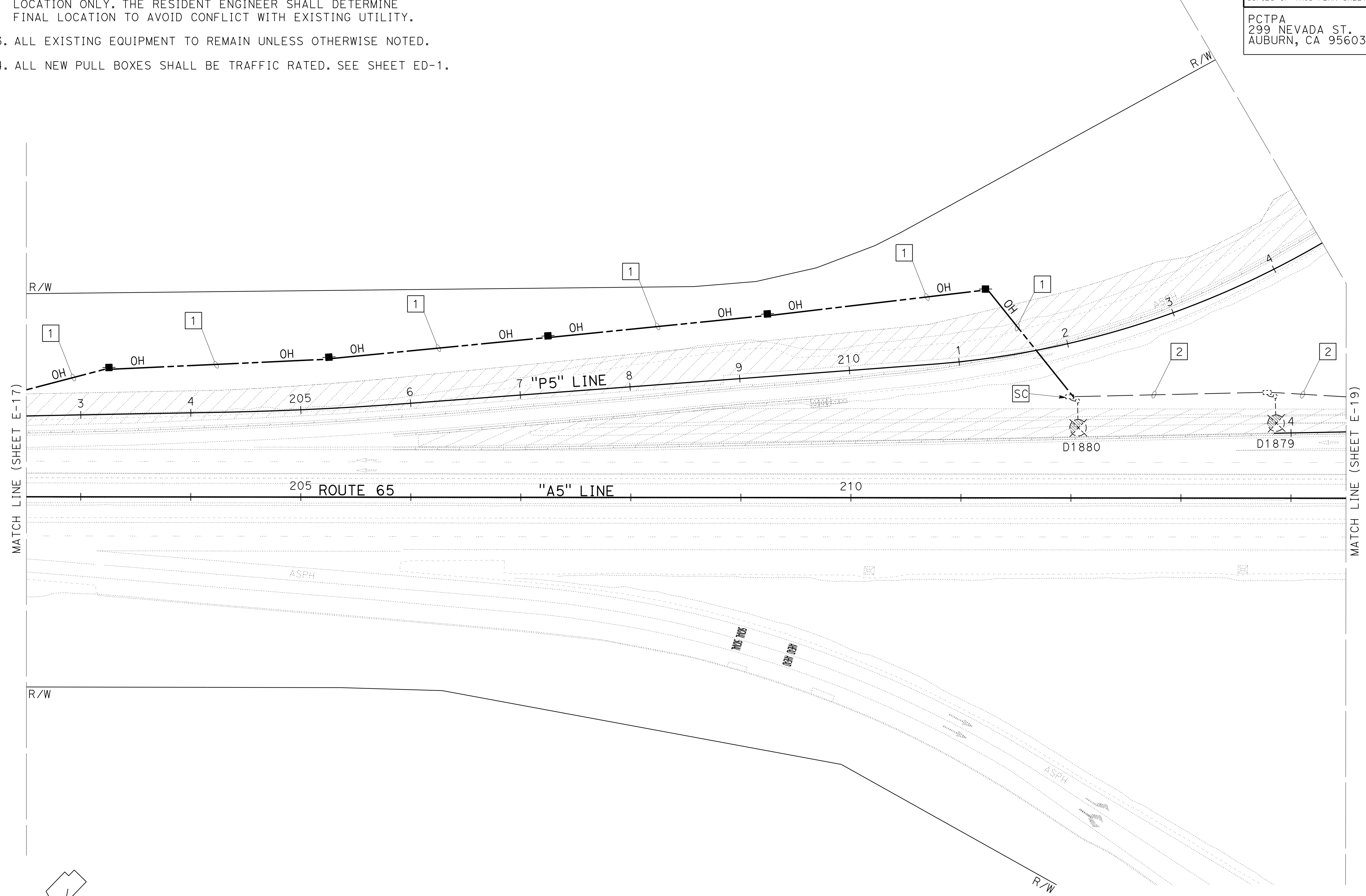
WOOD RODGERS, INC.  
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 SACRAMENTO, CA 95816

**NOTES:**

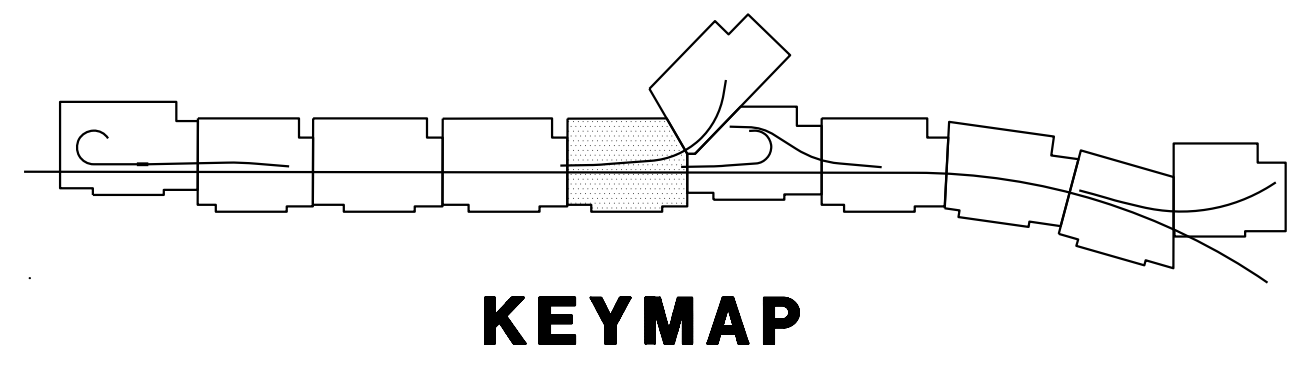
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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 MESSENGER CABLE, 2#4, 1#4 (COMMON).
- 2 Exist 2"C, 2#4, 1#4.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Et Caltrans	STEVEN ROBINSON	STEVEN LEUNG
CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	CHECKED BY
MARK RAYBACK		



**TEMPORARY LIGHTING SYSTEMS (STAGE 2)**

SCALE: 1"=50'

**E-18**

APPROVED FOR ELECTRICAL WORK ONLY

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plc	65	R6.2/R8.3	209	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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WOOD RODGERS, INC.  
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BUILDING 100B  
SACRAMENTO, CA 95816

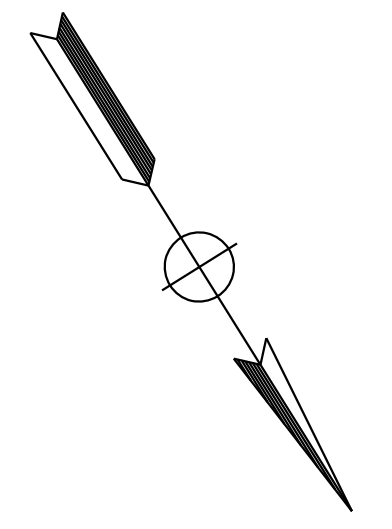
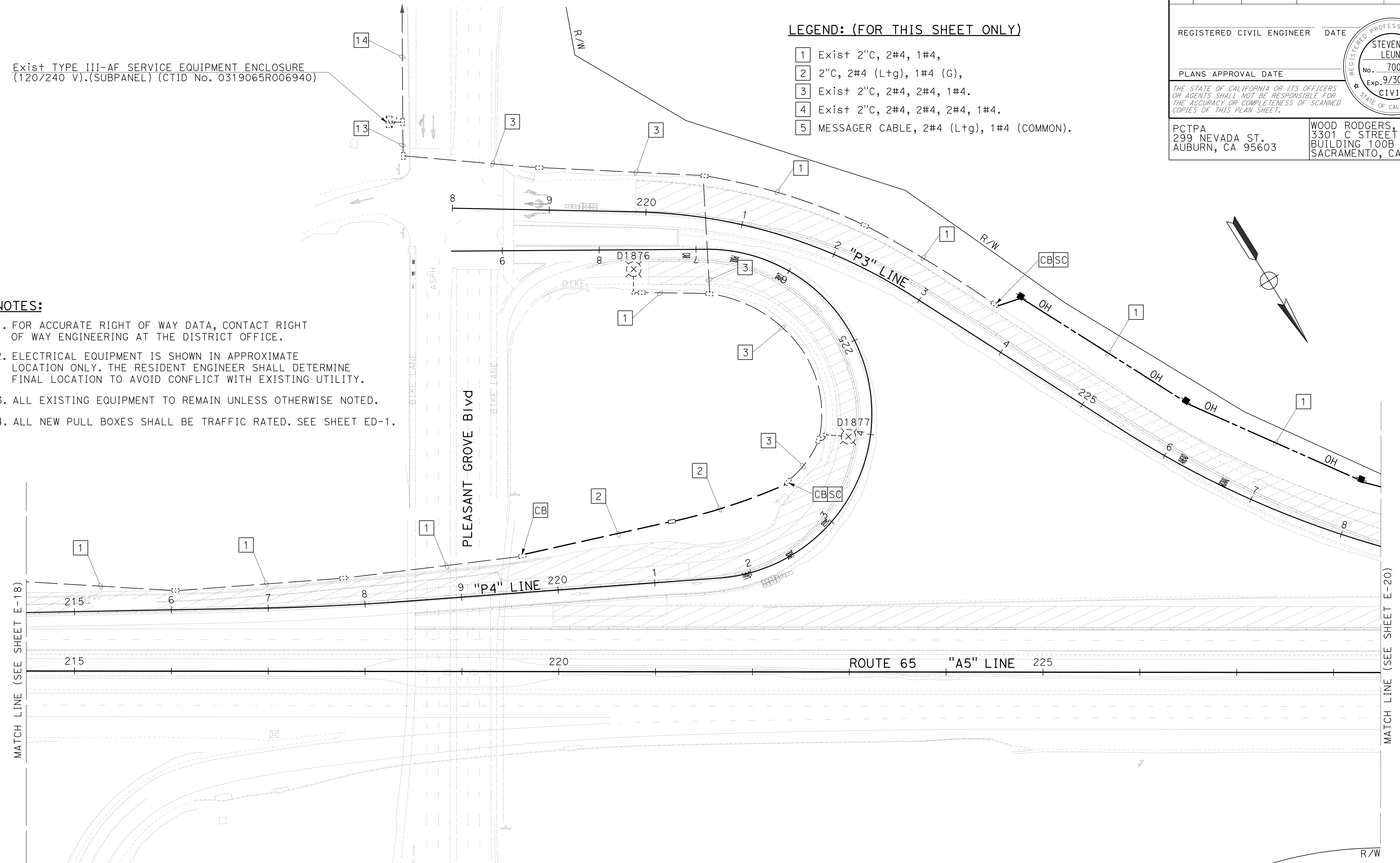
**LEGEND: (FOR THIS SHEET ONLY)**

- 1 Exist 2"C, 2#4, 1#4,
- 2 2"C, 2#4 (Ltg), 1#4 (G),
- 3 Exist 2"C, 2#4, 2#4, 1#4.
- 4 Exist 2"C, 2#4, 2#4, 2#4, 1#4.
- 5 MESSENGER CABLE, 2#4 (Ltg), 1#4 (COMMON).

Exist TYPE III-AF SERVICE EQUIPMENT ENCLOSURE  
(120/240 V).(SUBPANEL) (CTID No. 0319065R006940)

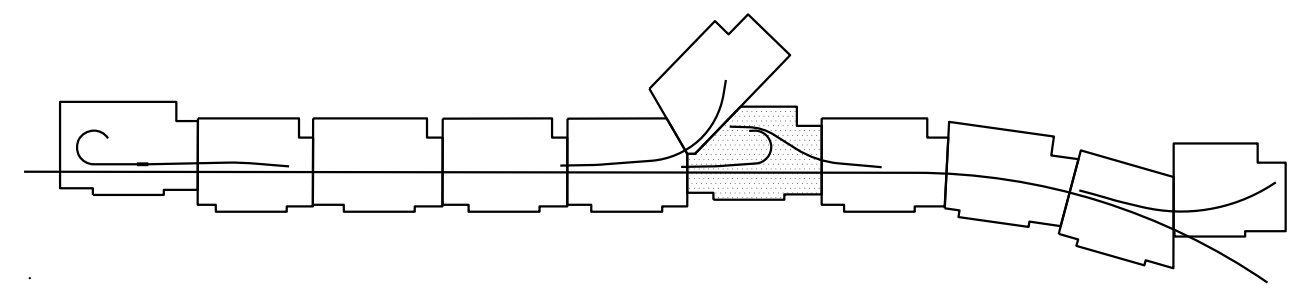
**NOTES:**

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3. ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.



MATCH LINE (SEE SHEET E-18)

MATCH LINE (SEE SHEET E-20)



**KEYMAP**

**TEMPORARY LIGHTING SYSTEMS  
(STAGE 2)**

SCALE: 1"=50'

**E-19**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Mark RAYBACK	STEVEN ROBINSON	STEVEN LEUNG
CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	CHECKED BY
MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG
DESIGNED BY	REVISOR	DATE
STEVEN ROBINSON		



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	210	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

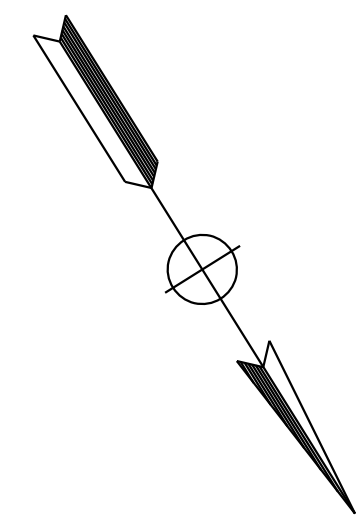
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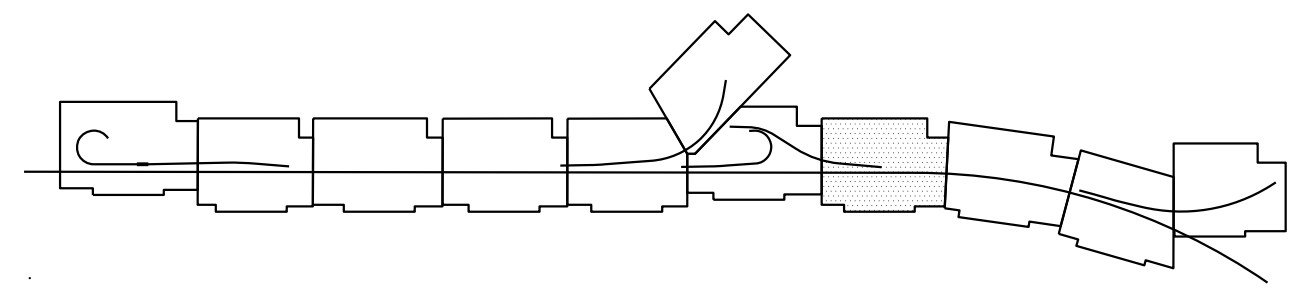
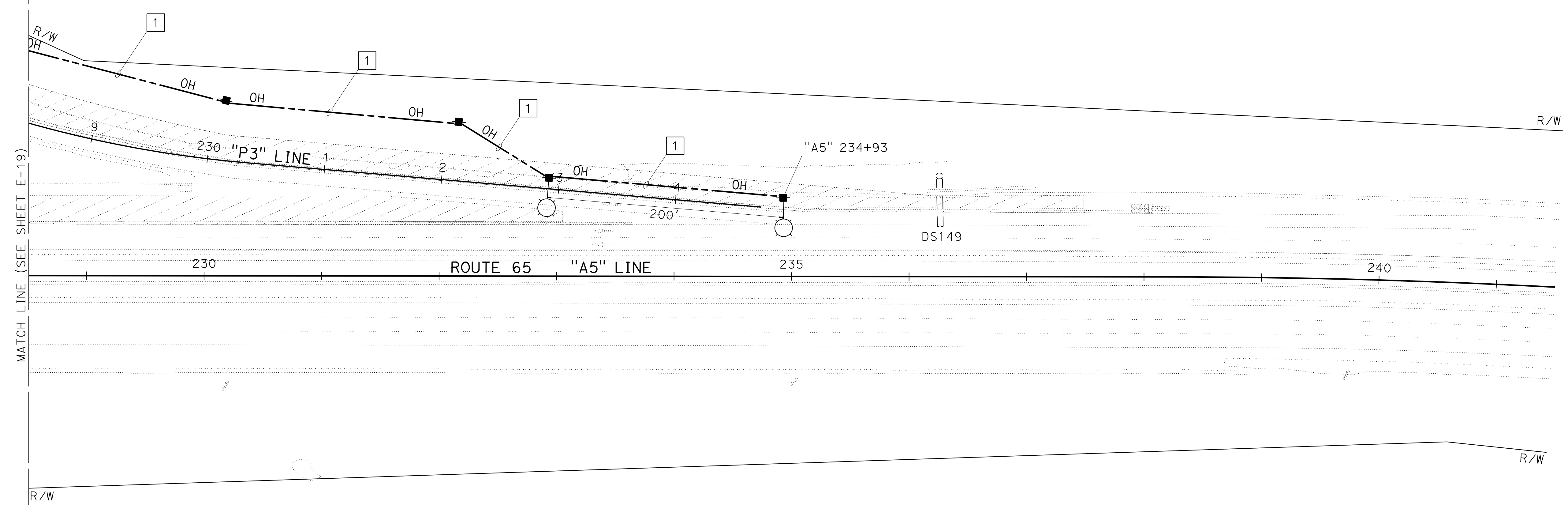


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**LEGEND: (FOR THIS SHEET ONLY)**

1 MESSAGER CABLE, 2#4 (Ltg), 1#4 (COMMON).



**KEYMAP**

**TEMPORARY LIGHTING SYSTEMS  
(STAGE 2)**

SCALE: 1"=50'

**E-20**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	STEVEN LEUNG	STEVEN LEUNG

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	211	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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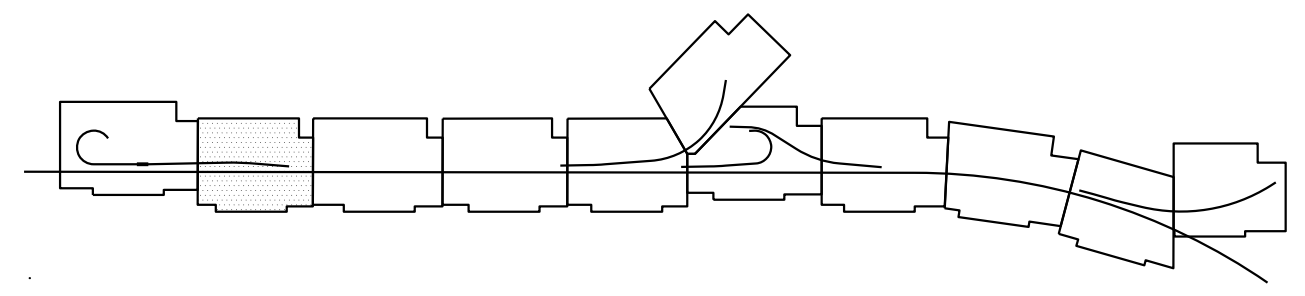
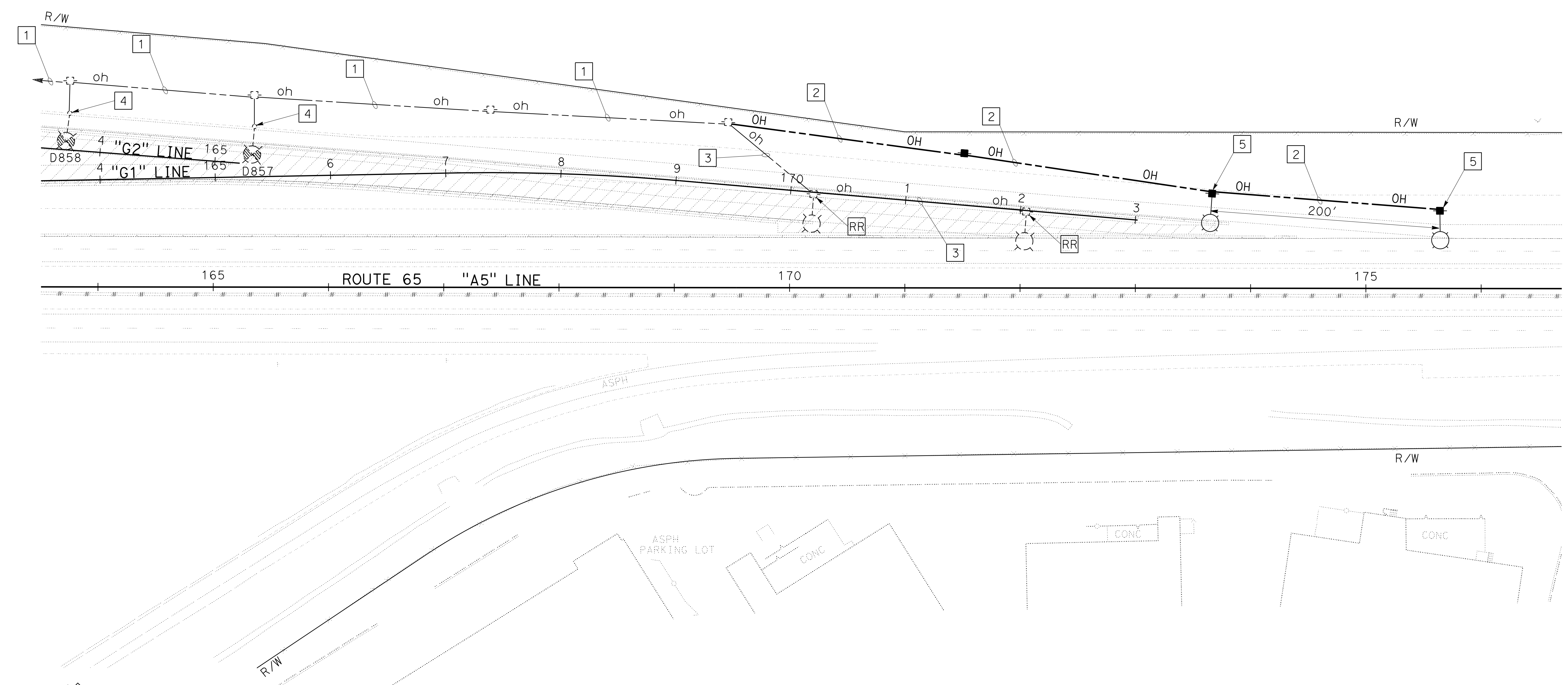
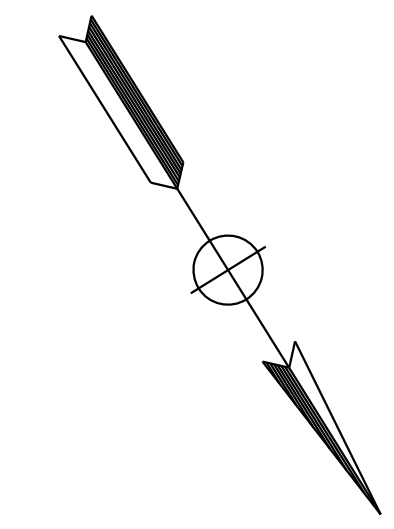
WOOD RODGERS, INC.  
3301 C STREET  
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4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 Exist+ MESSENGER CABLE, 2#4, 1#4 (COMMON).
- 2 MESSENGER CABLE, 2#4, 1#4 (COMMON).
- 3 REMOVE MESSENGER CABLES AND CONDUCTORS.
- 4 RELOCATE Exist+ Hwy Ltg. SEE SHEET E-2.
- 5 INSTALL REUSED WOOD POLE, LUMINAIRE ARM, AND FIXTURE.



**KEYMAP**

**TEMPORARY LIGHTING SYSTEMS (STAGE 3)**

SCALE: 1"=50'

**E-21**

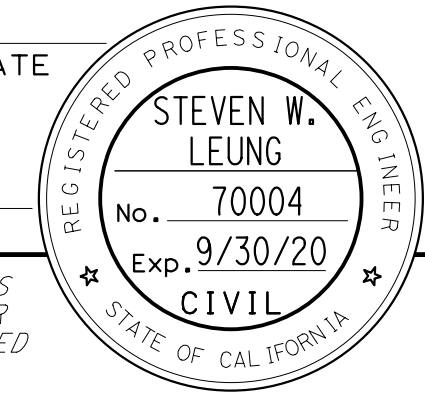
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: MARK RAYBACK  
CALCULATED/DESIGNED BY: CHECKED BY:  
STEVEN ROBINSON  
STEVEN LEUNG

REVISOR: STEVEN ROBINSON  
DATE: \_\_\_\_\_  
REVISOR: STEVEN LEUNG  
DATE: \_\_\_\_\_

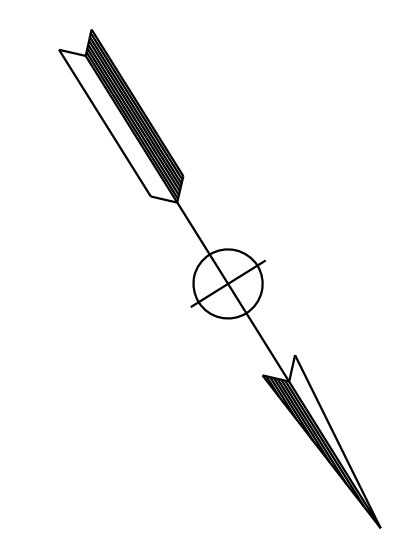
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	212	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
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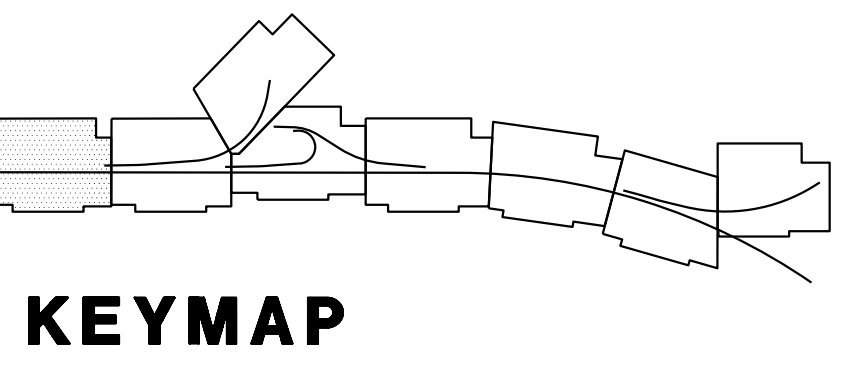
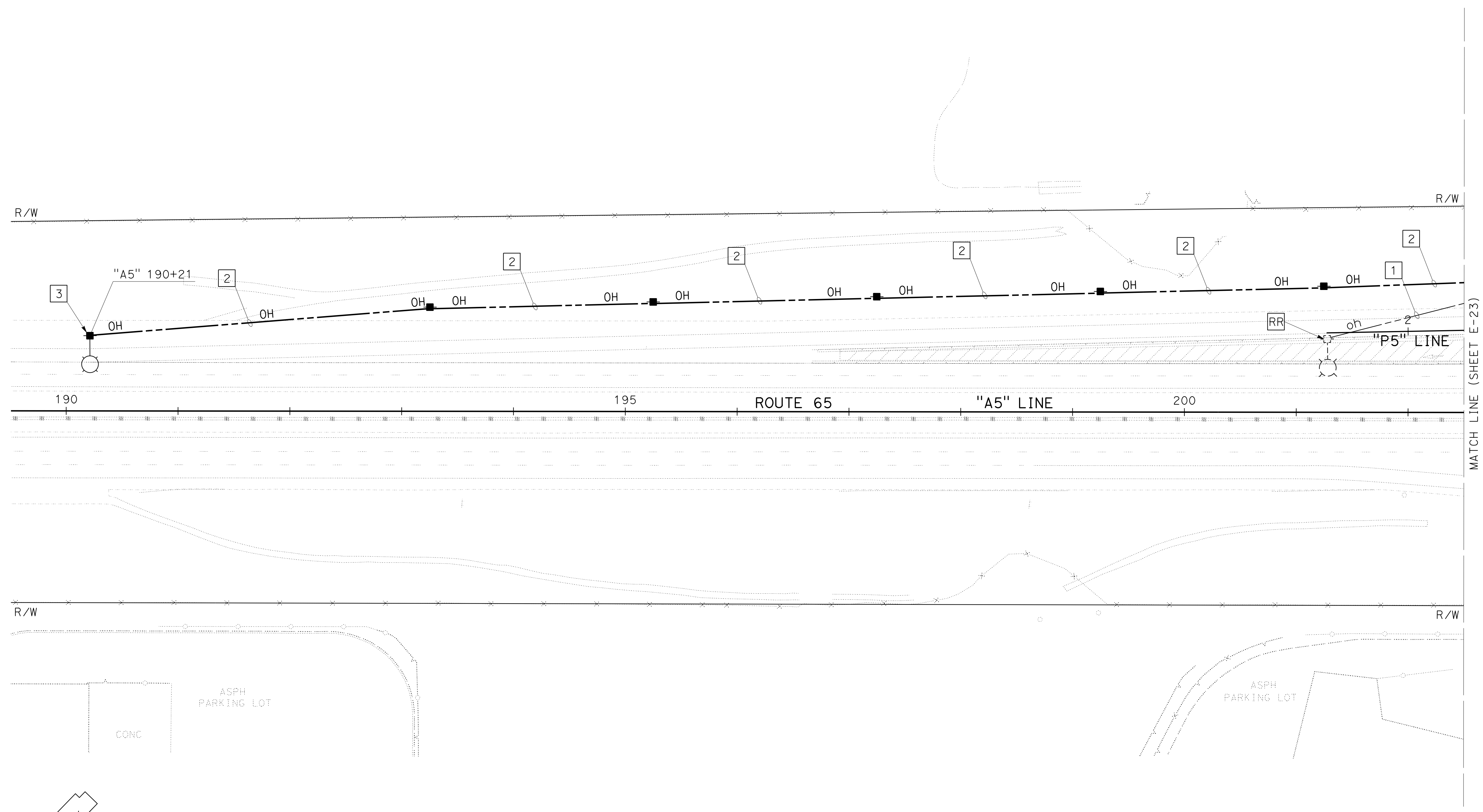


**NOTES:**

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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- REMOVE MESSENGER CABLES AND CONDUCTORS.
- MESSENGER CABLE, 2#4, 1#4 (COMMON).
- INSTALL REUSED WOOD POLE, LUMINAIRE ARM, AND FIXTURE.



**TEMPORARY LIGHTING SYSTEMS  
 (STAGE 3)**  
 SCALE: 1"=50'

**E-22**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
	MARK RAYBACK	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	
			STEVEN ROBINSON	STEVEN LEUNG	

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	213	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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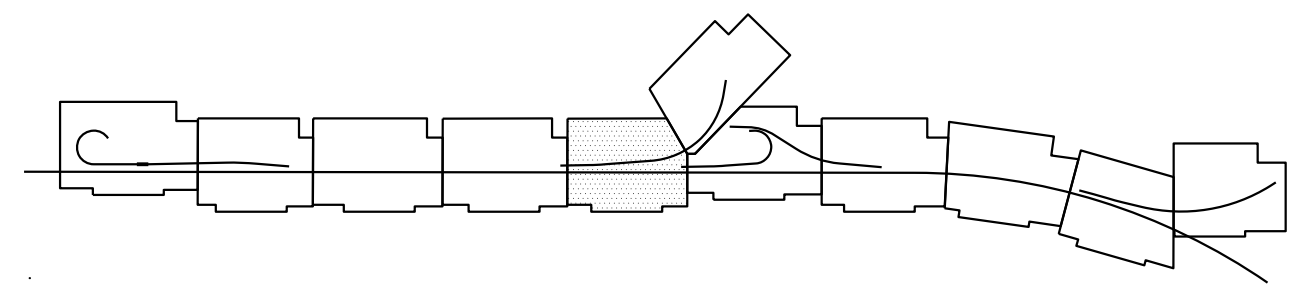
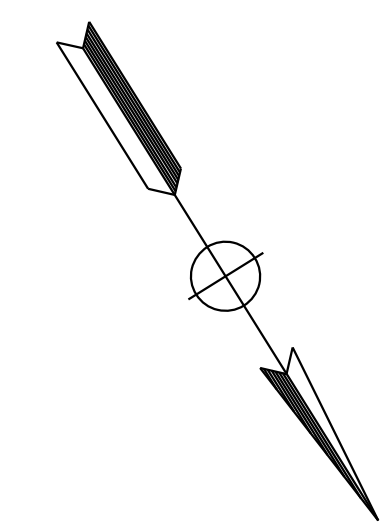
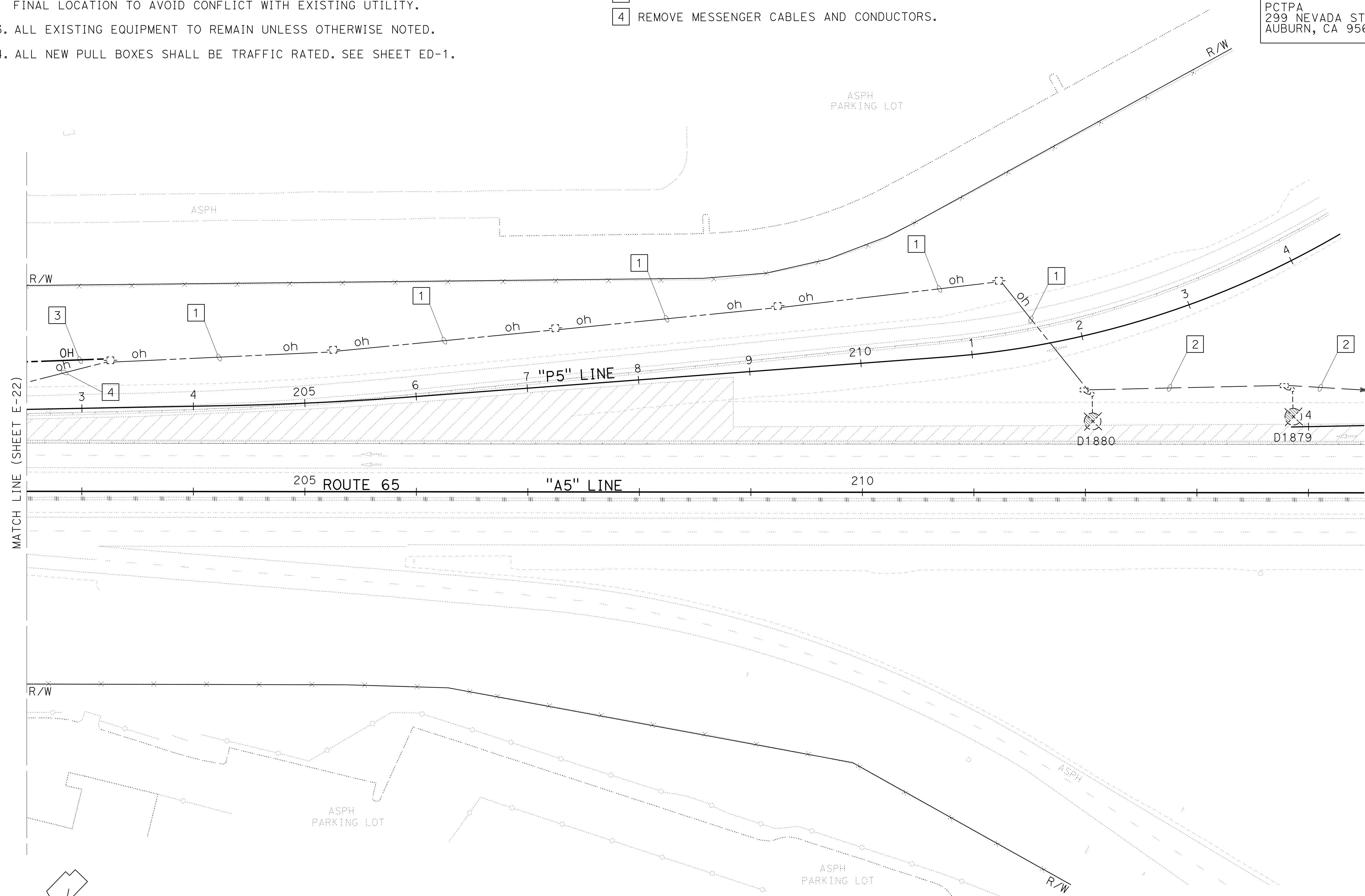
WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

**NOTES:**

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- ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
- ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 Exist MESSANGER CABLE, 2#4, 1#4.
- 2 Exist 2"C, 2#4, 1#4.
- 3 MESSANGER CABLE, 2#4, 1#4 (COMMON).
- 4 REMOVE MESSANGER CABLES AND CONDUCTORS.



**KEYMAP**

**TEMPORARY LIGHTING SYSTEMS (STAGE 3)**

SCALE: 1"=50'

**E-23**

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Et Caltrans	STEVEN ROBINSON	STEVEN LEUNG
CONSULTANT	FUNCTIONAL SUPERVISOR	CHECKED BY
MARK RAYBACK		
CALCULATED-DESIGNED BY	REVISOR	DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	214	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
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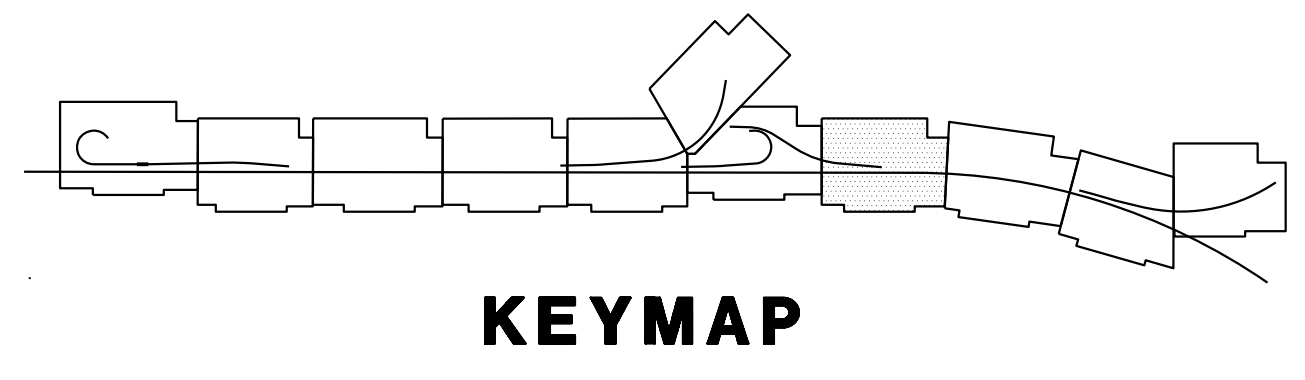
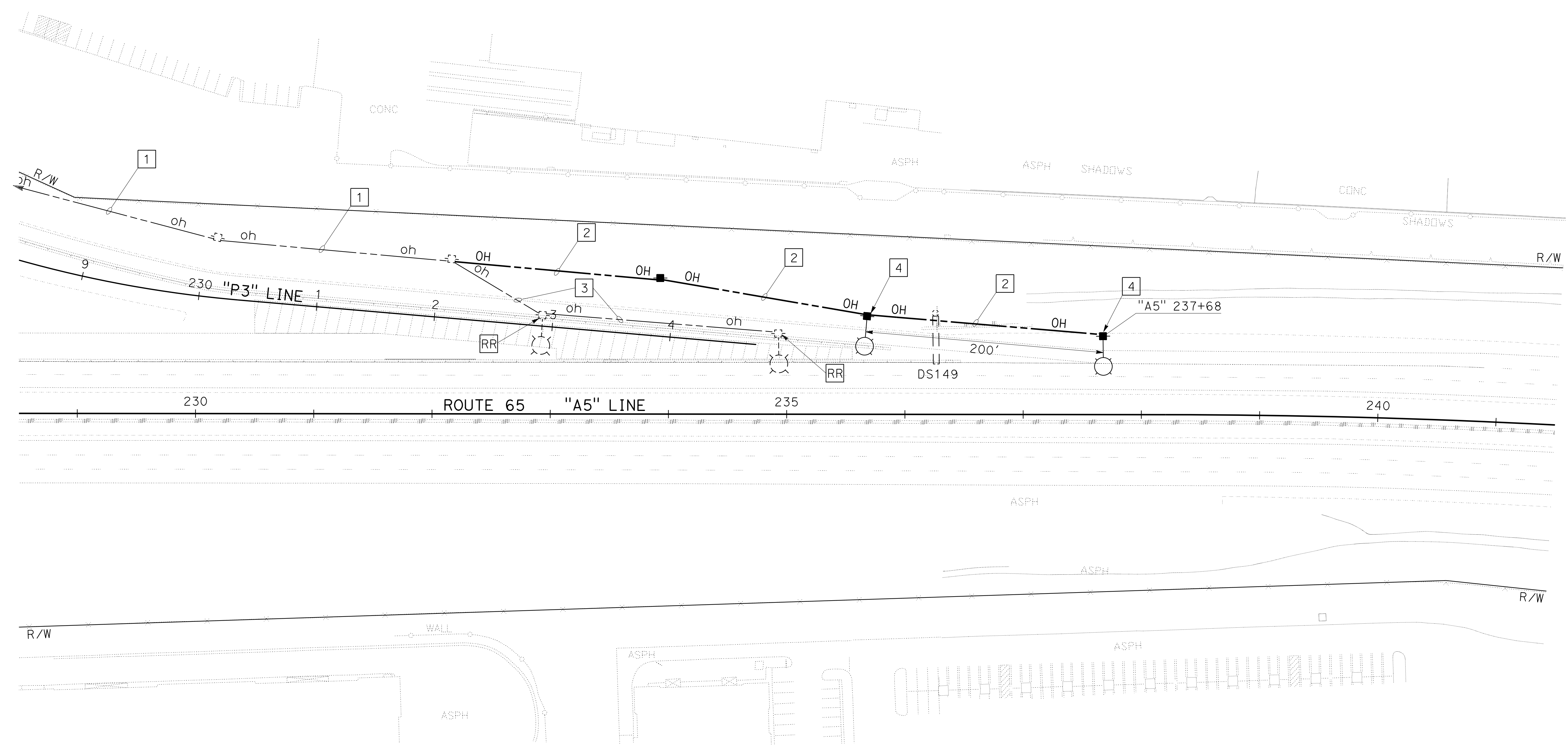
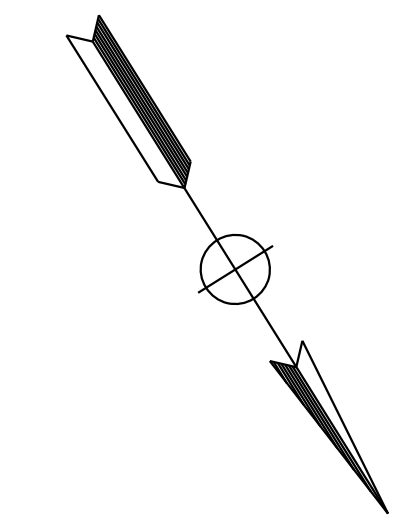


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  - ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
  - ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

- LEGEND: (FOR THIS SHEET ONLY)**
- Exist MESSANGER CABLE, 2#4, 1#4.
  - MESSANGER CABLE, 2#4, 1#4 (COMMON).
  - REMOVE MESSANGER CABLES AND CONDUCTORS.
  - INSTALL REUSED WOOD POLE, LUMINAIRE ARM, AND FIXTURE.



**TEMPORARY LIGHTING SYSTEMS  
 (STAGE 3)**  
 SCALE: 1"=50'

APPROVED FOR ELECTRICAL WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	215	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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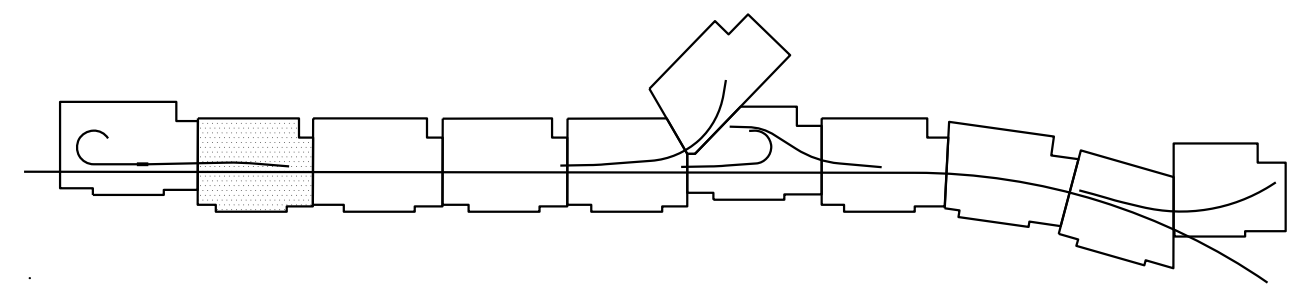
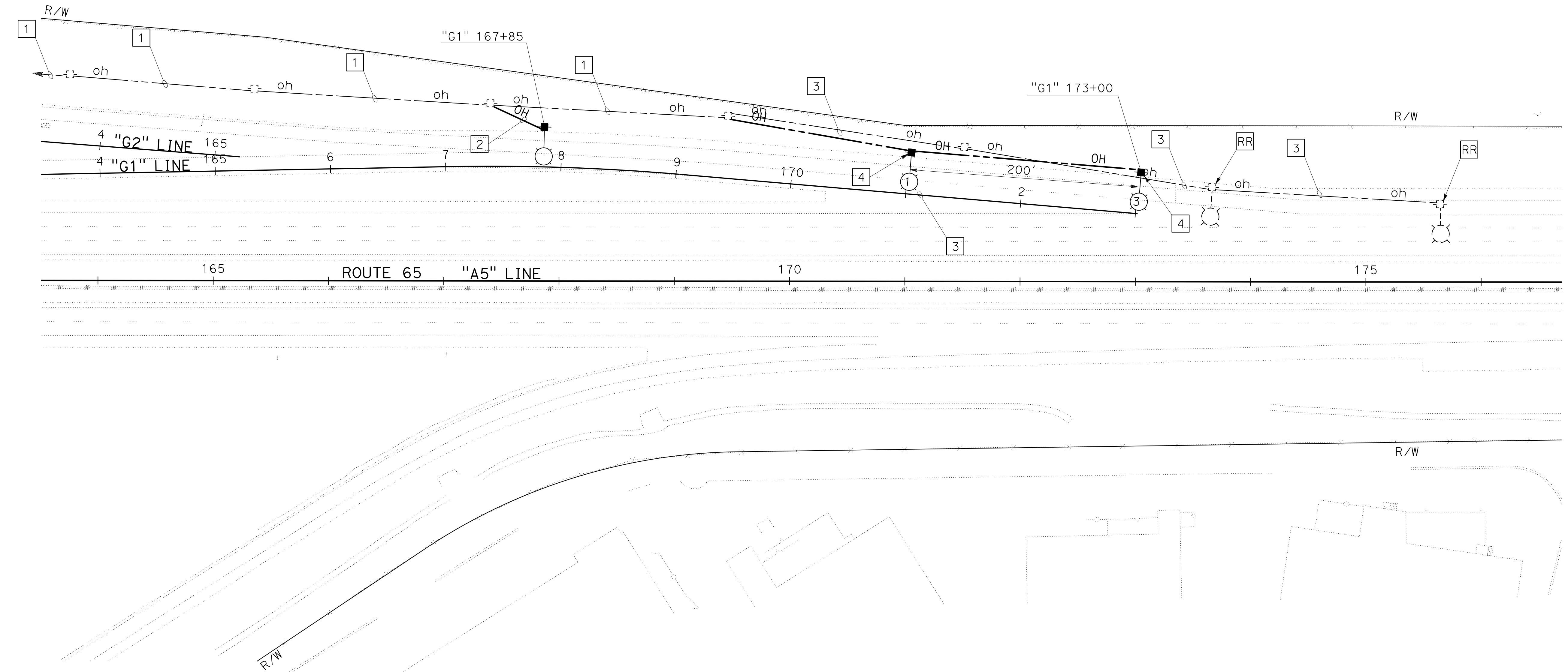
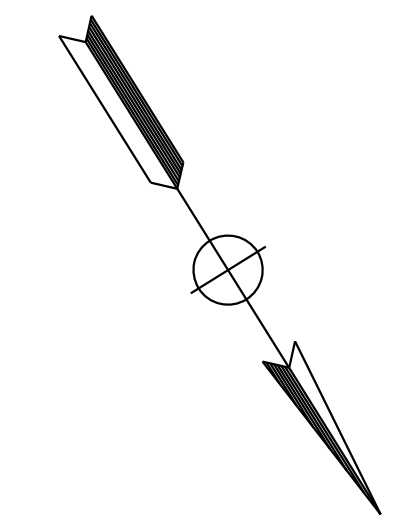
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BUILDING 100B  
SACRAMENTO, CA 95816

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4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 Exist MESSNER CABLE, 2#4, 1#4 (COMMON).
- 2 MESSNER CABLE, 2#4, 1#4 (COMMON).
- 3 REMOVE MESSNER CABLES AND CONDUCTORS.
- 4 INSTALL REUSED WOOD POLE, LUMINAIRE ARM, AND FIXTURE.



**KEYMAP**

**TEMPORARY LIGHTING SYSTEMS (STAGE 4)**

SCALE: 1"=50'

**E-25**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR  
MARK RAYBACK

CALCULATED-DESIGNED BY  
CHECKED BY

STEVEN ROBINSON  
STEVEN LEUNG

REVISOR BY  
DATE REVISED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	216	230

REGISTERED CIVIL ENGINEER DATE



PLANS APPROVAL DATE

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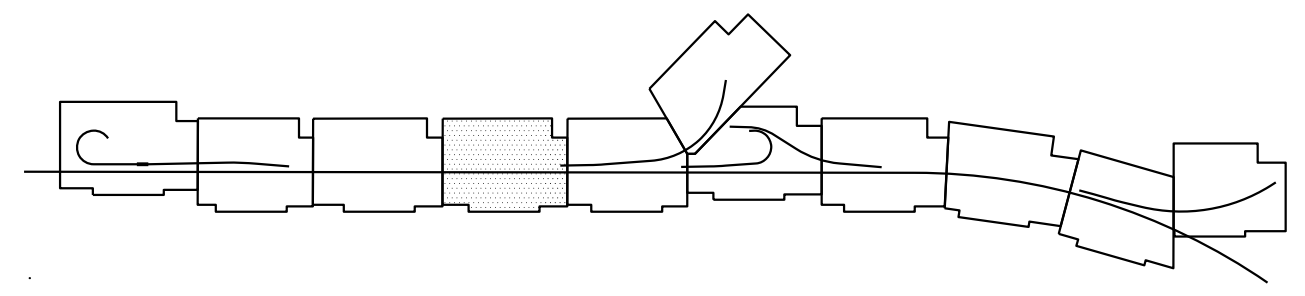
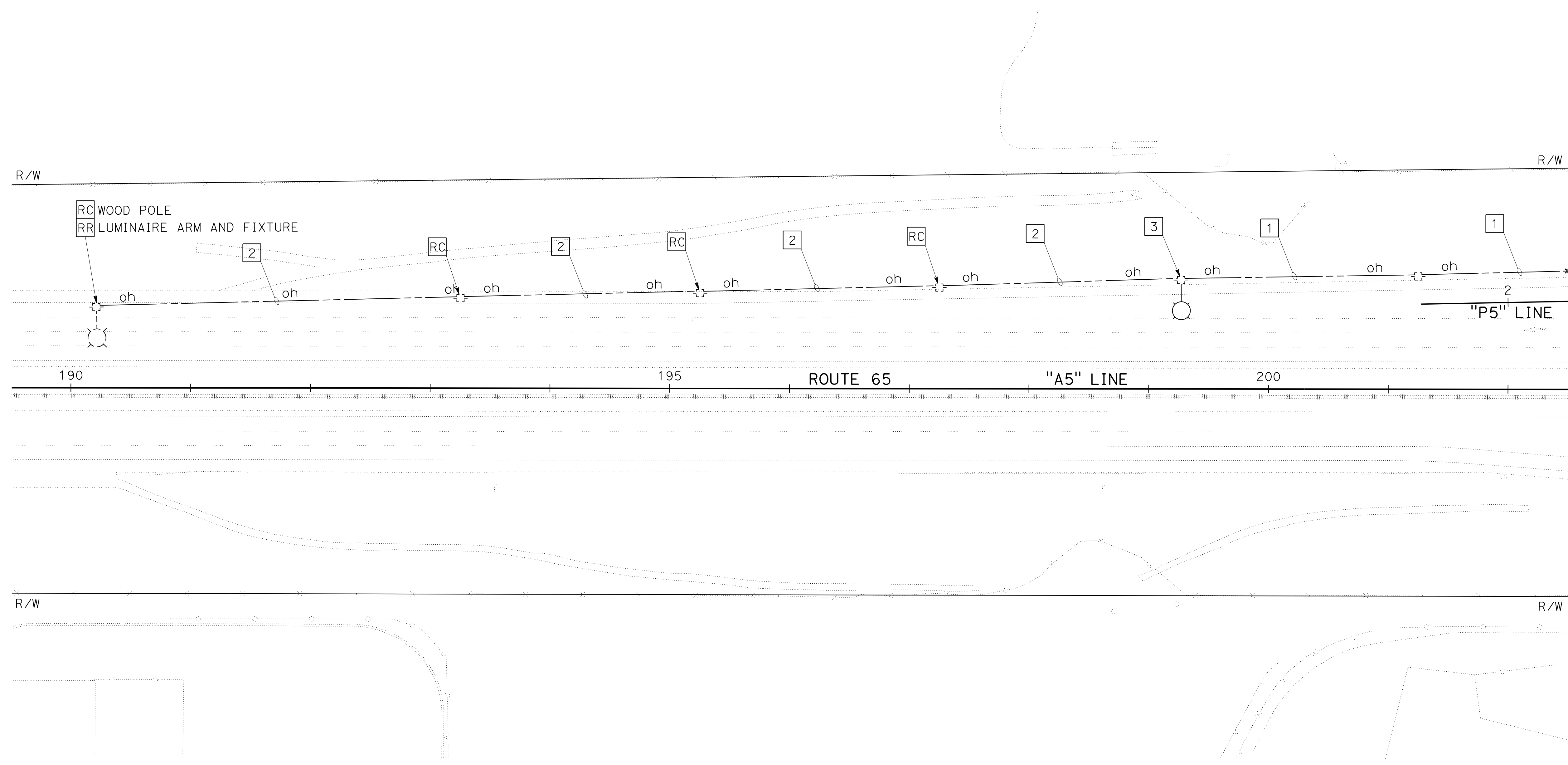
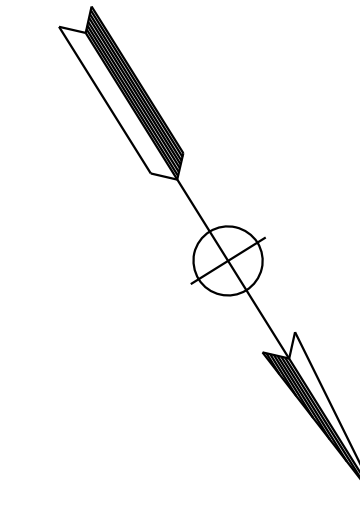
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3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

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3. ALL EXISTING EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED.
4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

**LEGEND: (FOR THIS SHEET ONLY)**

- 1 Exist MESSANGER CABLE, 2#4, 1#4.
- 2 REMOVE MESSANGER CABLES AND CONDUCTORS.
- 3 INSTALL REUSED LUMINAIRE ARM AND FIXTURE.



**KEYMAP**

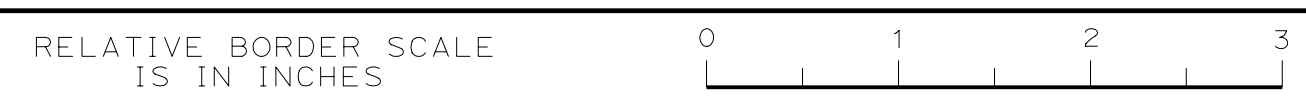
**TEMPORARY LIGHTING SYSTEMS (STAGE 4)**

SCALE: 1"=50'

**E-26**

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USERNAME => sleung  
DGN FILE => 031F1701ua026.dgn



UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

BORDER LAST REVISED 7/2/2010

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:50

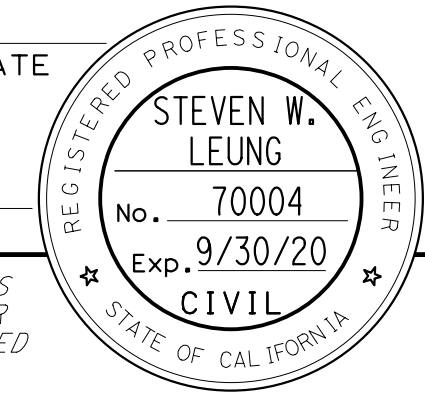
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans**  
CONSULTANT FUNCTIONAL SUPERVISOR MARK RAYBACK  
CALCULATED/DESIGNED BY P. DORNVAN ROBINSON  
CHECKED BY G. MASOREN LEUNG  
REVISED BY DATE

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	217	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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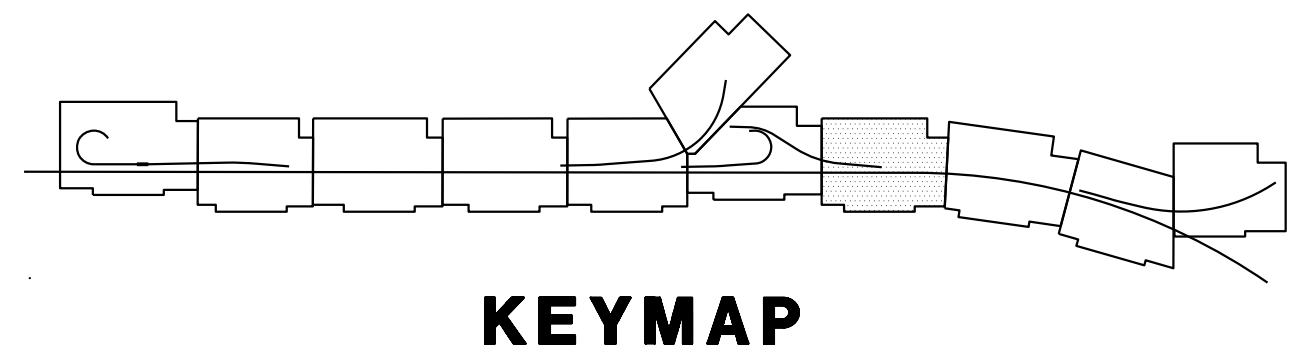
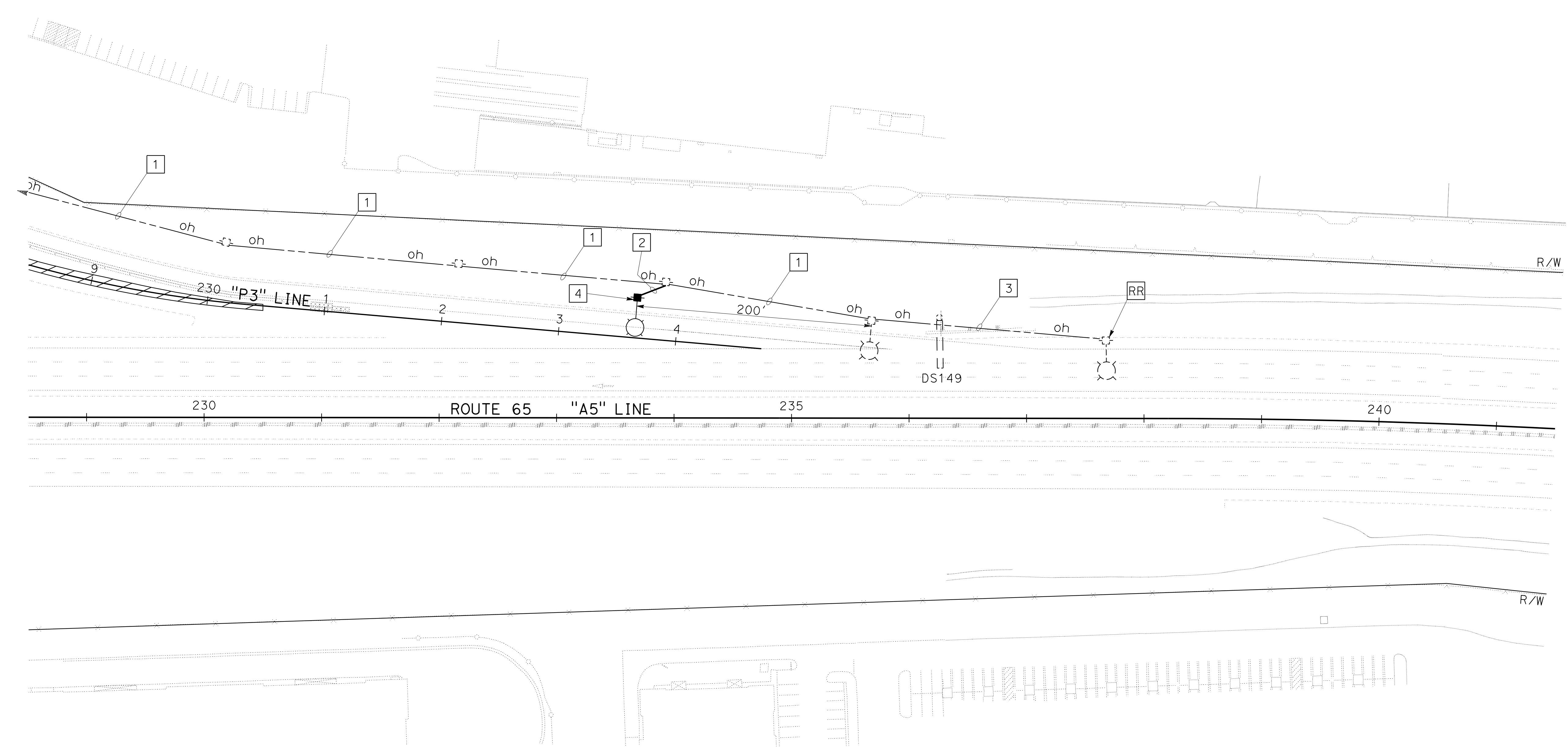
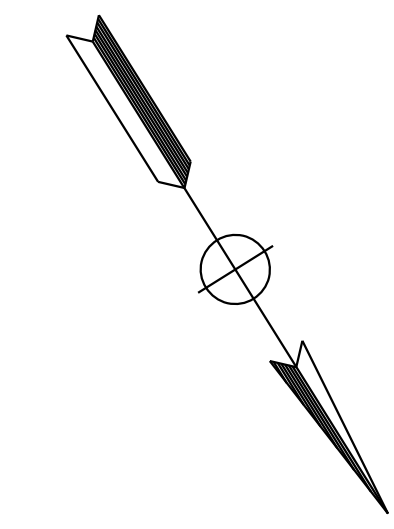


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  4. ALL NEW PULL BOXES SHALL BE TRAFFIC RATED. SEE SHEET ED-1.

- LEGEND: (FOR THIS SHEET ONLY)**
- 1 Exist MESSANGER CABLE, 2#4, 1#4.
  - 2 MESSANGER CABLE, 2#4, 1#4 (COMMON).
  - 3 REMOVE MESSANGER CABLES AND CONDUCTORS.
  - 4 INSTALL REUSED WOOD POLE, LUMINAIRE ARM, AND FIXTURE.



**TEMPORARY LIGHTING SYSTEMS  
(STAGE 4)**

SCALE: 1"=50'

**E-27**

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans

CONSULTANT - FUNCTIONAL SUPERVISOR  
MARK RAYBACK

CALCULATED-DESIGNED BY  
CHECKED BY

STEVEN ROBINSON  
STEVEN LEUNG

REVISED BY  
DATE REVISED

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	218	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

PLANS APPROVAL DATE \_\_\_\_\_

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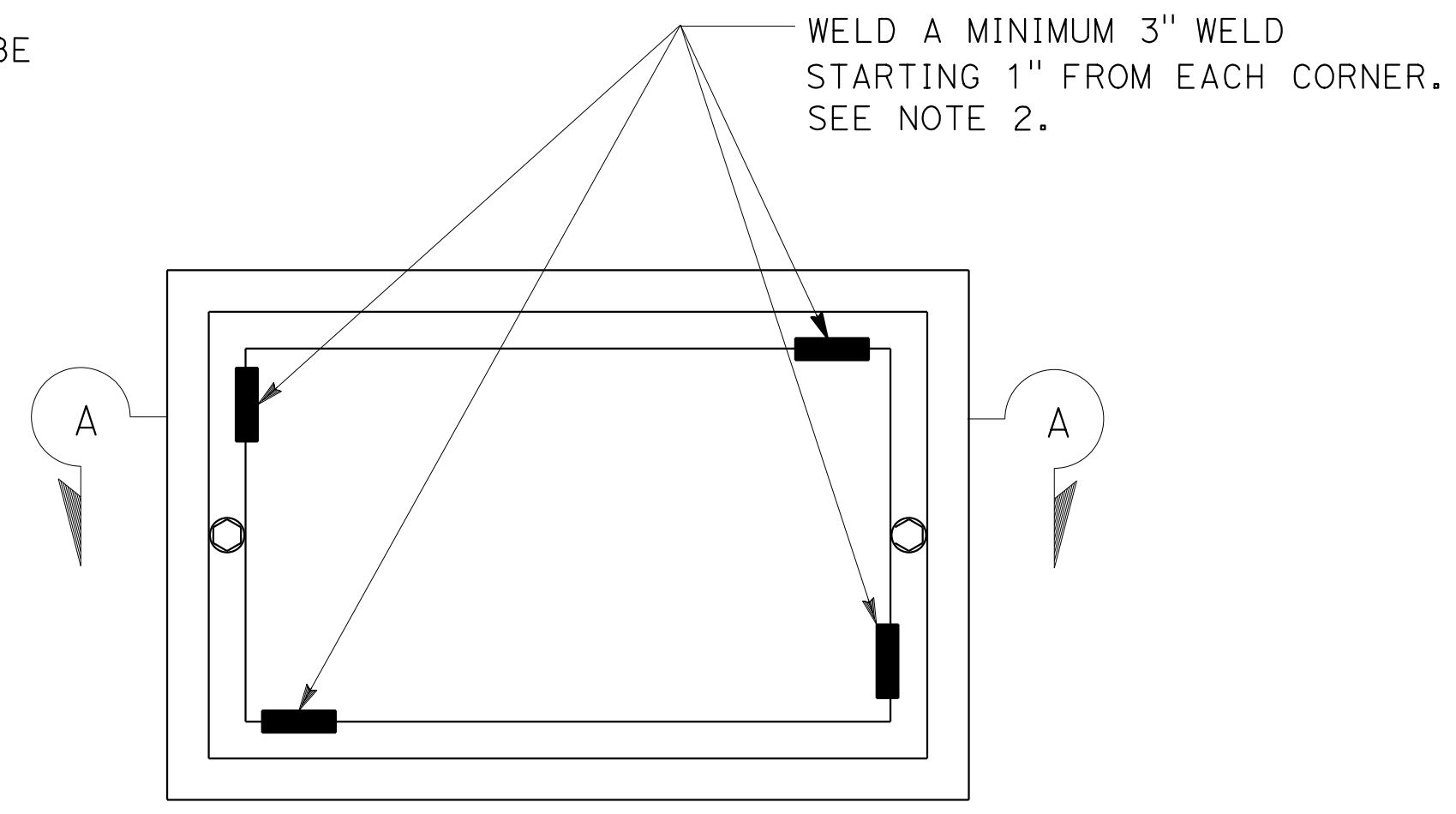


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299 NEVADA ST.  
AUBURN, CA 95603

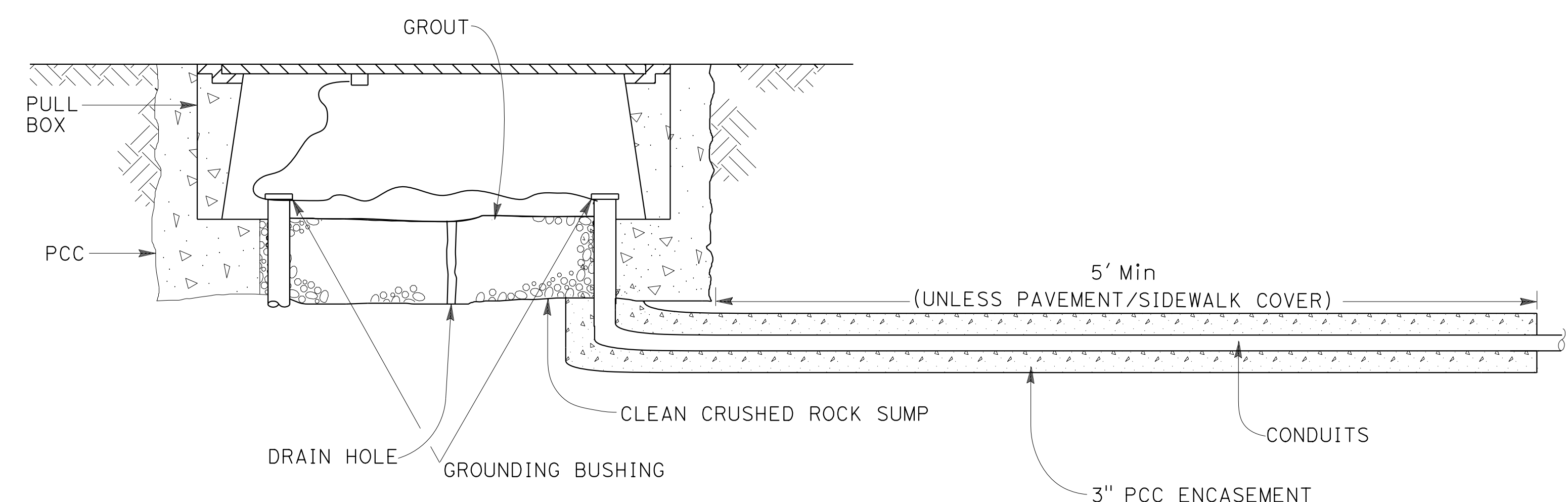
WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

NOTES ON PULL BOXES:

1. FOR ADDITIONAL DETAILS, SEE REVISED STANDARD PLAN ES-8B.
2. WELDING SHALL COMPLY WITH REQUIREMENTS IN STANDARD SPECIFICATION SECTION 75.
3. A PULL BOX FOR A POST OR A POLE STANDARD MUST BE LOCATED WITHIN 5 FEET OF THE STANDARD.

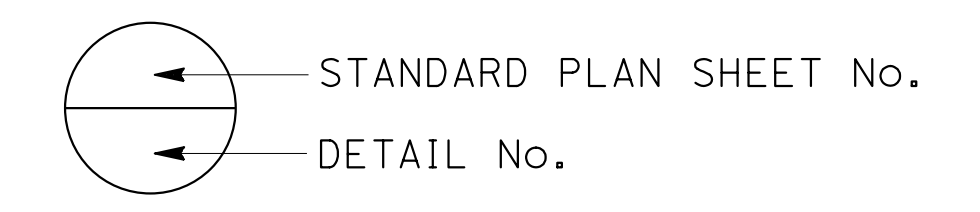


TOP VIEW



SECTION A-A

**TRAFFIC PULL BOX**



**ELECTRICAL SYSTEMS DETAILS**  
NO SCALE  
**ED-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGNED BY	REVISOR	DATE
<b>Caltrans</b>	STEVEN ROBINSON	STEVEN LEUNG	
CONSULTANT FUNCTIONAL SUPERVISOR	CHECKED BY	DATE	
MARK RAYBACK			

USERNAME => sleung  
DGN FILE => 031F1701ub001.dgn



UNIT 0303

PROJECT NUMBER & PHASE 0302000055 03-1F1714

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pla	65	R6.2/R8.3	219	230

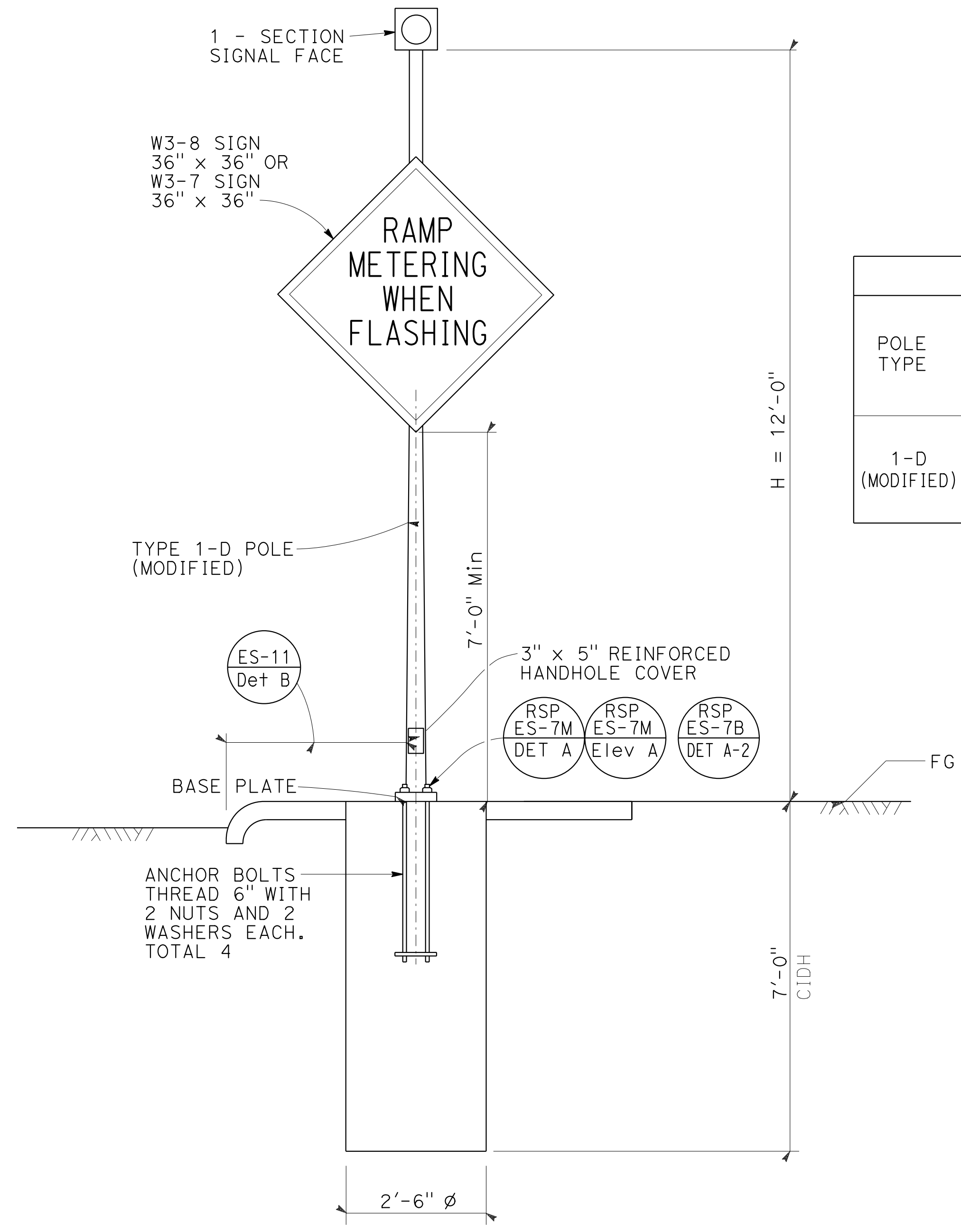
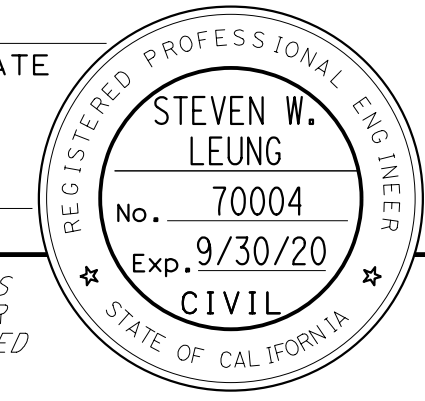
REGISTERED CIVIL ENGINEER DATE

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.

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AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



POLE TYPE	POLE DATA			BASE PLATE DATA				
	H HEIGHT	Min OD		THICKNESS	BASE PLATE (SQUARE) DIMENSION	BC = BOLT CIRCLE	THICKNESS	ANCHOR BOLTS SIZE
1-D (MODIFIED)	12'	BASE	TOP	0.1196"	9 1/2"	8 1/2"	3/4" Min	1" Ø x 3'-0"

**GENERAL NOTES:**

**SPECIFICATIONS**

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, SIXTH EDITION

**LOADING**

WIND LOADING: 100 mph (3 sec GUST)

**UNIT STRESSES**

STRUCTURAL STEEL:  $f_y = 55,000$  psi TAPERED STEEL TUBE  
 $f_y = 50,000$  psi UNLESS OTHERWISE NOTED.

ANCHOR BOLTS:  $f_y = 55,000$  psi

REINFORCED CONCRETE:  $f'_c = 3,600$  psi  
 $f_y = 60,000$  psi

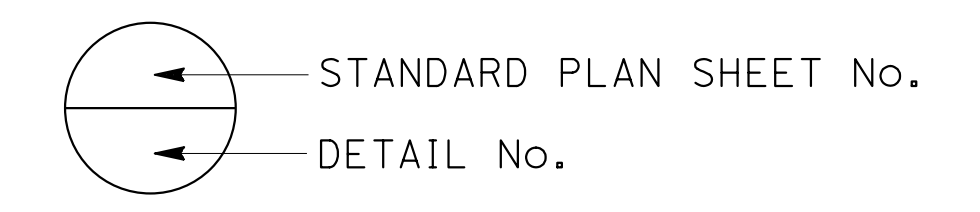
**NOTES:**

- FOR POLE LOCATIONS, SEE "ROADWAY PLANS".
- ALL STEEL MUST BE GALVANIZED AFTER FABRICATION.
- DURING POLE ERECTION THE POST SHALL BE RAKED AS NECESSARY WITH THE USE OF LEVELING NUTS TO PROVIDE A PLUMB POLE AXIS.
- FOUNDATION MUST BE TREATED AS LEVEL GROUND CONDITION IF SLOPE INCLINATION IS FLATTER THAN 4H:1V.
- FOUNDATION DESIGN IS BASED ON AASHTO LTS-6 ARTICLE 13.6 BROMS' APPROXIMATE PROCEDURE ASSUMING A COHESIONLESS MATERIAL. THE ANGLE OF INTERNAL FRICTION USED IS 30 DEGREES AND UNIT WEIGHT OF SOIL USED IS 120 lbs/ft<sup>3</sup>.
- FOR DETAILS NOT SHOWN, SEE "2018 STANDARD PLANS" AND "2018 REVISED STANDARD PLANS".

**ELEVATION**

**TYPE 1-D MODIFIED - FLASHING BEACON**

THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



**ELECTRICAL SYSTEMS DETAILS**  
NO SCALE  
**ED-2**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans

CONSULTANT: FUNCTIONAL SUPERVISOR: MARK RAYBACK

DESIGNED BY: CALULATED-DESIGNED BY

CHECKED BY:

STEVEN ROBINSON

STEVEN LEUNG

REVISOR: BY DATE

REVISED BY DATE



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	220	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.

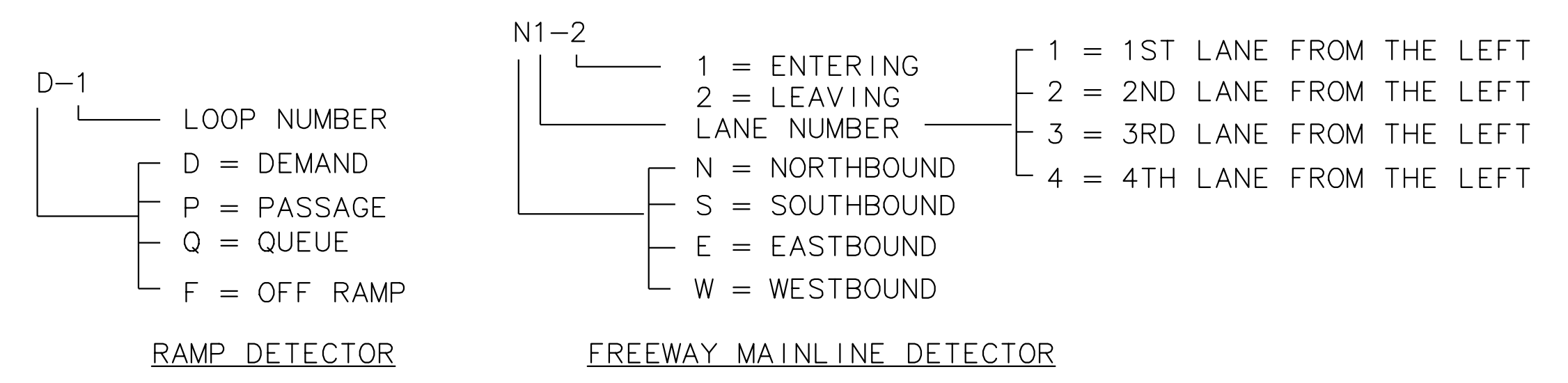


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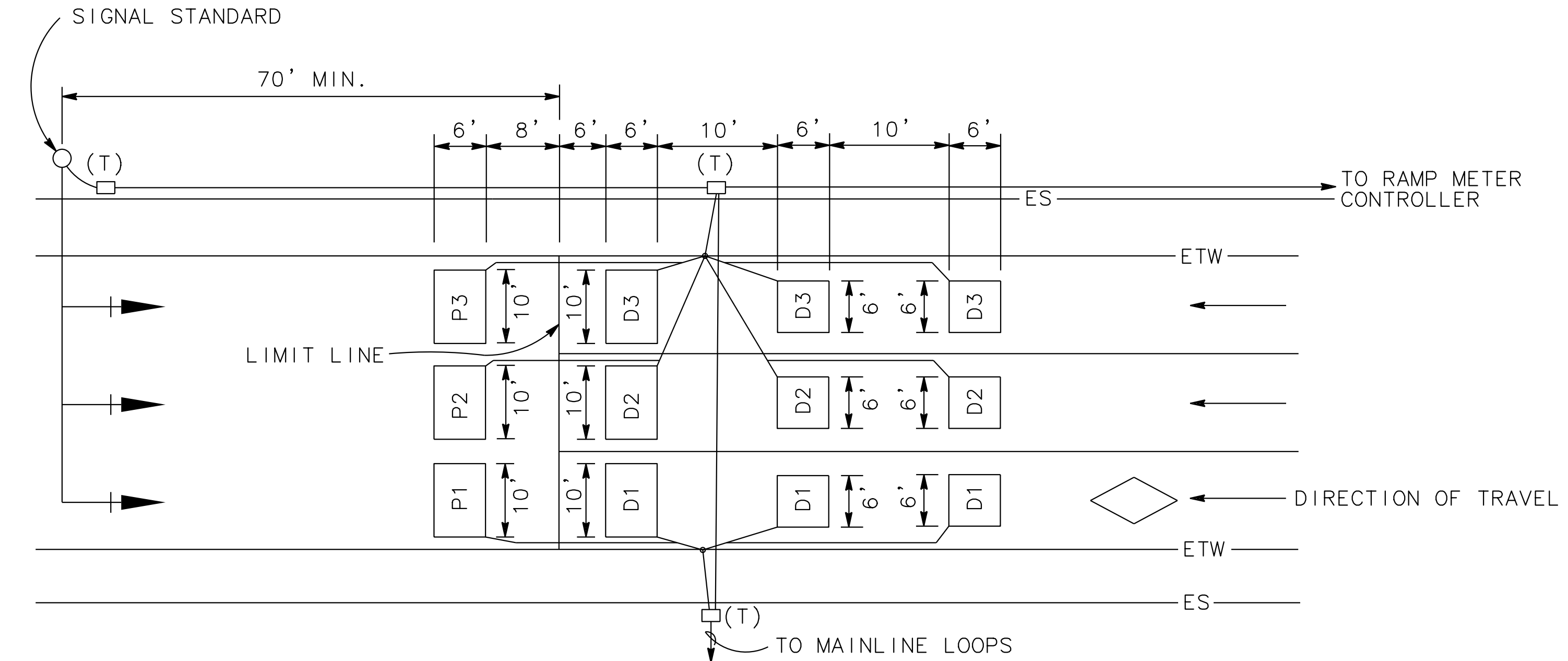
WOOD RODGERS, INC.  
 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

**NOTES:**

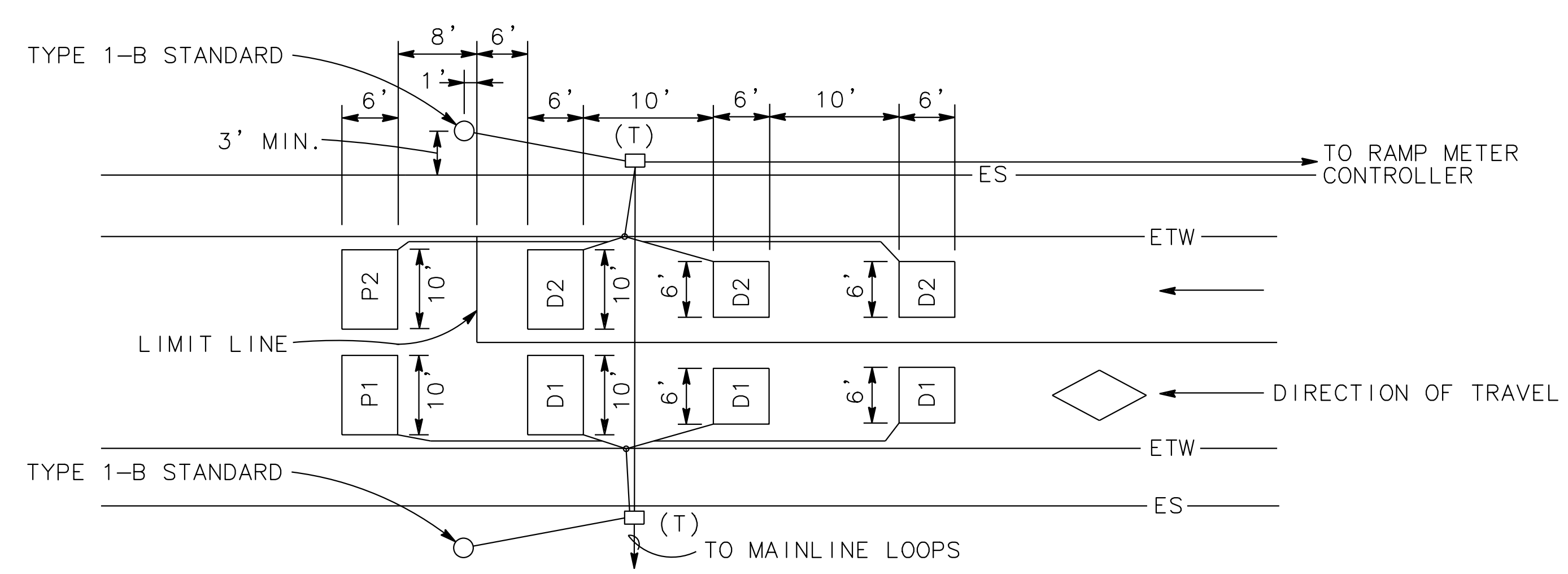
- THE EXACT LOCATION OF DETECTORS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- SEE STANDARD PLANS ES-1C, ES-5A, ES-5B, ES-5D, AND ES-13A FOR LOOP CONFIGURATION AND INSTALLATION PROCEDURES.



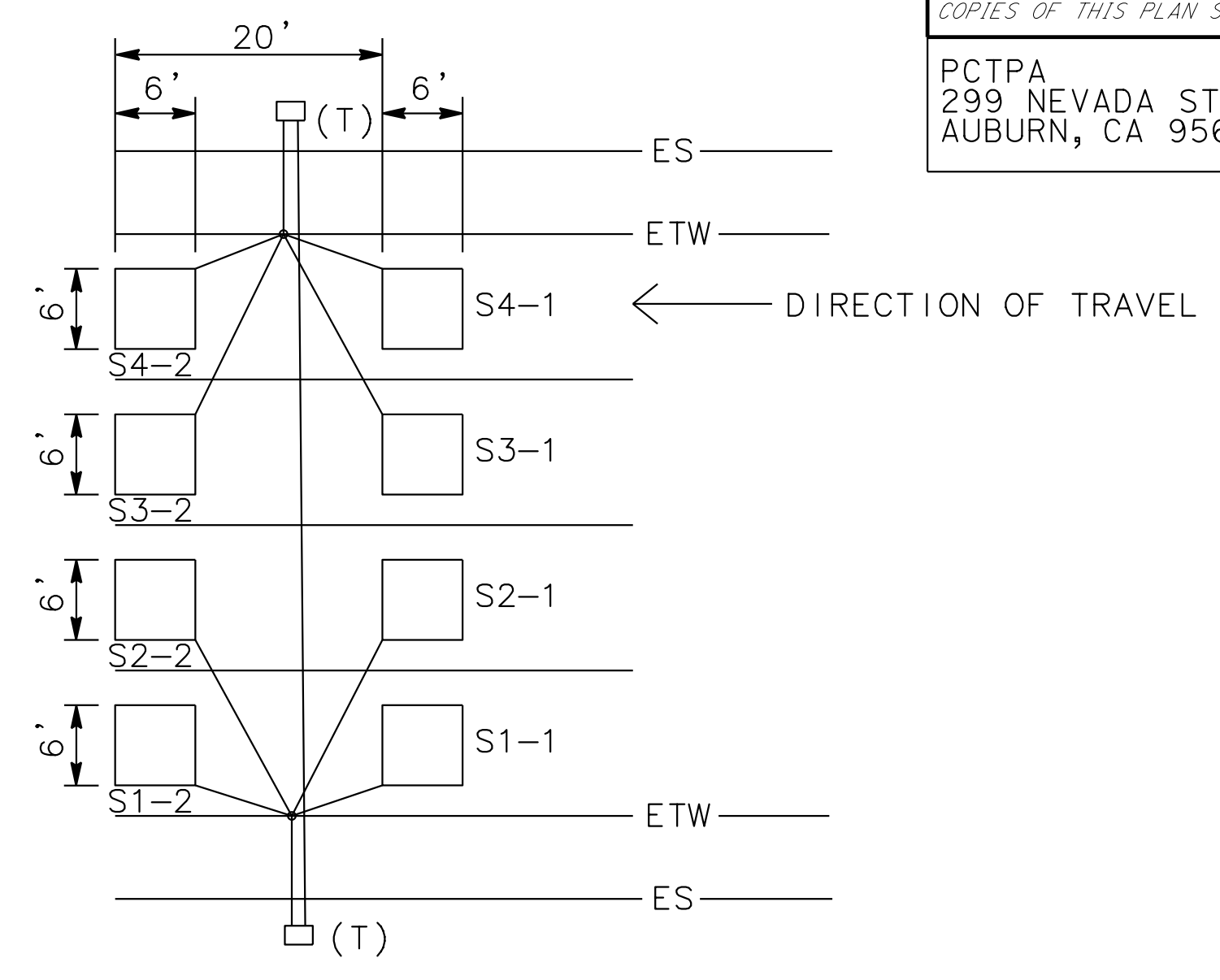
**DETECTOR IDENTIFICATION**



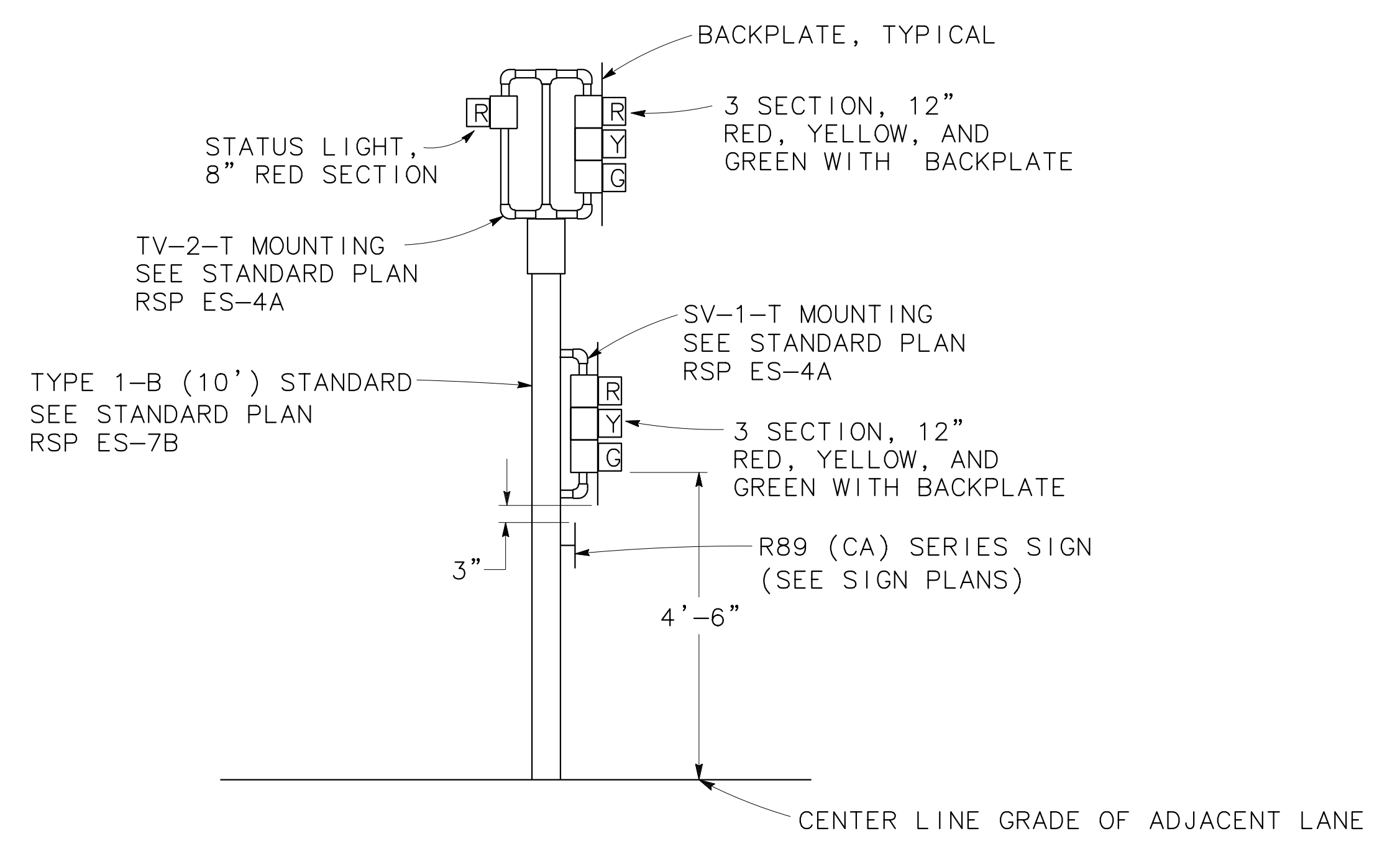
**3 LANE DETECTOR LAYOUT DETAIL**



**2 LANE DETECTOR LAYOUT DETAIL**



**MAINLINE DETECTOR LAYOUT**



**SIGNAL HEAD PLACEMENT ON TYPE 1-B STANDARD FOR RAMP METERING SYSTEM**

**ELECTRICAL SYSTEMS DETAILS**  
 NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
 Et Caltrans

CONSULTANT FUNCTIONAL SUPERVISOR: MARK RAYBACK  
 CALCULATED/DESIGNED BY: STEVEN ROBINSON  
 CHECKED BY: STEVEN LEUNG  
 REVISED BY: STEVEN ROBINSON  
 DATE REVISED: \_\_\_\_\_

LAST REVISION DATE PLOTTED => 13-JUL-2020  
 00-00-00 TIME PLOTTED => 16:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plc	65	R6.2/R8.3	221	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

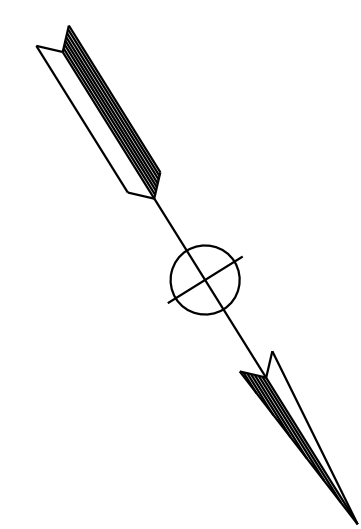
PLANS APPROVAL DATE \_\_\_\_\_

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.



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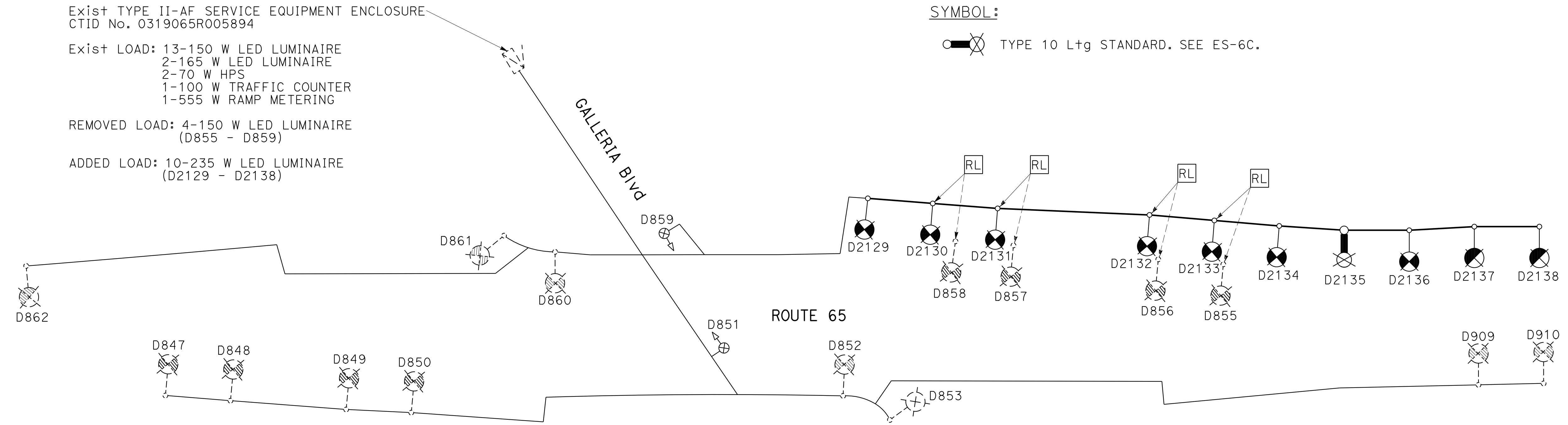
Exist TYPE II-AF SERVICE EQUIPMENT ENCLOSURE  
CTID No. 0319065R005894

Exist LOAD: 13-150 W LED LUMINAIRE  
2-165 W LED LUMINAIRE  
2-70 W HPS  
1-100 W TRAFFIC COUNTER  
1-555 W RAMP METERING

REMOVED LOAD: 4-150 W LED LUMINAIRE  
(D855 - D859)

ADDED LOAD: 10-235 W LED LUMINAIRE  
(D2129 - D2138)

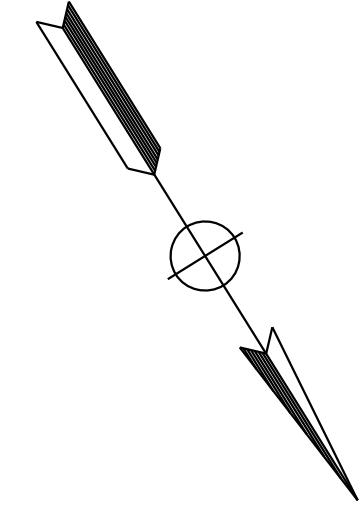
SYMBOL:  
 TYPE 10 Ltg STANDARD. SEE ES-6C.



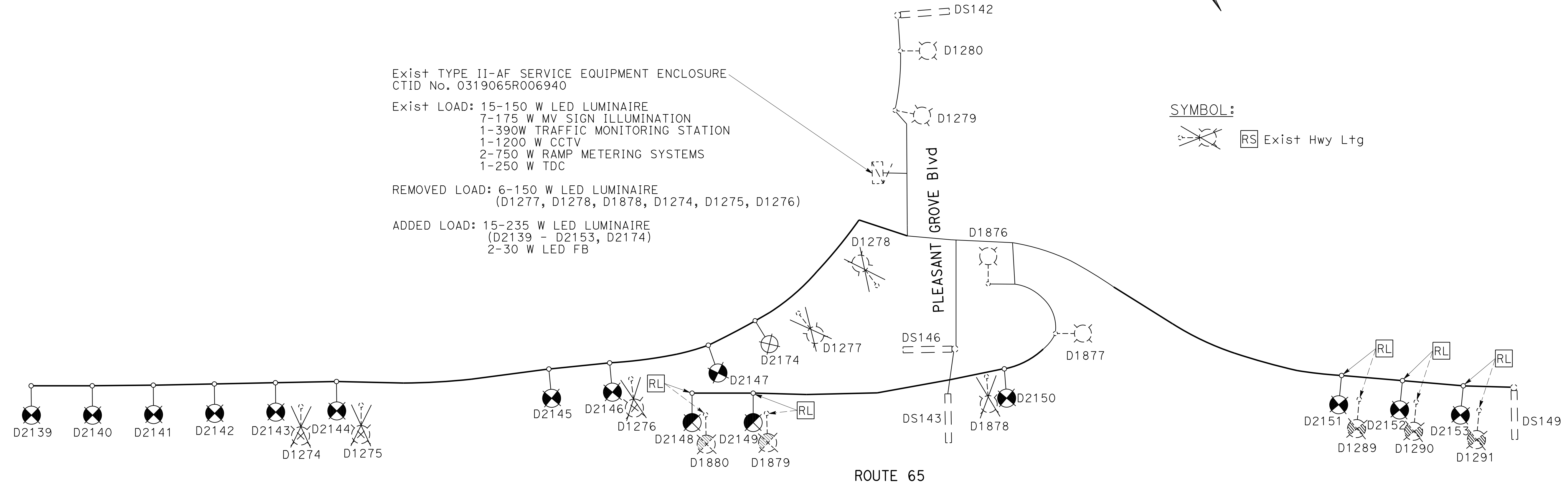
LIGHTING CIRCUIT DIAGRAM  
CTID No. 0319065R005894

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Et Caltrans	STEVEN ROBINSON	STEVEN LEUNG
CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	CHECKED BY
MARK RAYBACK		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plq	65	R6.2/R8.3	222	230
REGISTERED CIVIL ENGINEER DATE					
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.					
PCTPA 299 NEVADA ST. AUBURN, CA 95603			WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816		



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG	



LIGHTING CIRCUIT DIAGRAM  
CTID No. 0319065R006940

**ELECTRICAL SYSTEMS DETAILS**  
NO SCALE  
**ED-5**

LAST REVISION DATE PLOTTED => 13-JUL-2020  
00-00-00 TIME PLOTTED => 16:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	223	230

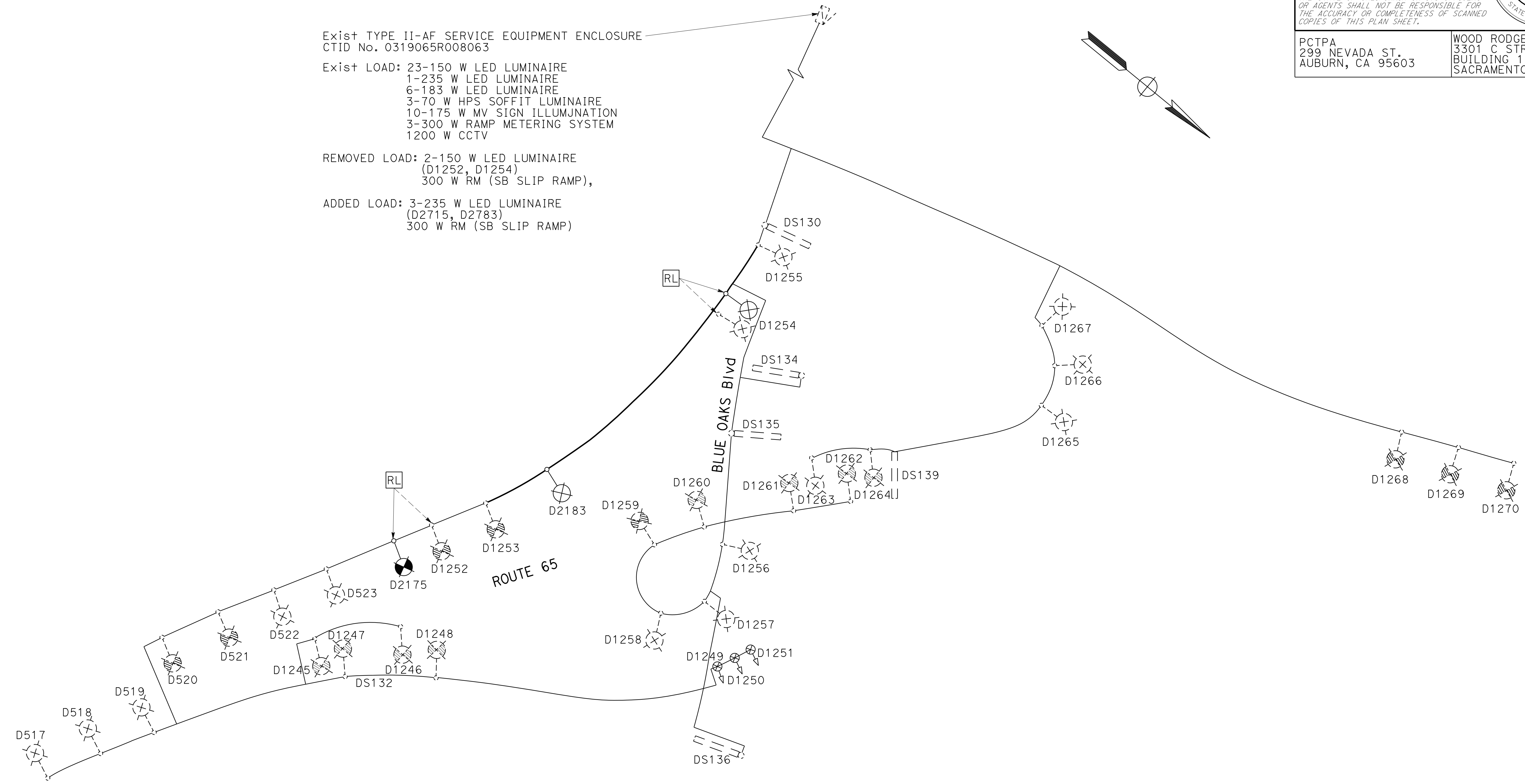
REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 PLANS APPROVAL DATE \_\_\_\_\_  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



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 3301 C STREET  
 BUILDING 100B  
 SACRAMENTO, CA 95816

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR
Mark Rayback	Mark Rayback	Steven Robinson	Steven Robinson
Et Caltrans	Checked By	Steven Leung	Steven Leung



Exist TYPE II-AF SERVICE EQUIPMENT ENCLOSURE  
 CTID No. 0319065R008063

Exist LOAD: 23-150 W LED LUMINAIRE  
 1-235 W LED LUMINAIRE  
 6-183 W LED LUMINAIRE  
 3-70 W HPS SOFFIT LUMINAIRE  
 10-175 W MV SIGN ILLUMINATION  
 3-300 W RAMP METERING SYSTEM  
 1200 W CCTV

REMOVED LOAD: 2-150 W LED LUMINAIRE  
 (D1252, D1254)  
 300 W RM (SB SLIP RAMP),

ADDED LOAD: 3-235 W LED LUMINAIRE  
 (D2715, D2783)  
 300 W RM (SB SLIP RAMP)

LIGHTING CIRCUIT DIAGRAM  
 CTID No. 0319065R008063

**ELECTRICAL SYSTEMS DETAILS**  
 NO SCALE  
**ED-6**

LAST REVISION DATE PLOTTED => 13-JUL-2020 00-00-00 TIME PLOTTED => 16:50



**NOTE (THIS SHEET ONLY):**

1. PROVIDE 6-5' LONG CAT 6 CABLES, AND 2-3' LONG RJ-11 TELEPHONE PATCH CABLES IN EACH CABINET.
2. USE 2 PAIR, 22 AWG, STRANDED AND TINNED COPPER WIRES WITH PVC JACKET TYPE INSULATION AS SPECIFIED IN THE SPECIAL PROVISIONS FOR COMPONENT POWER WIRING.
3. UNLESS STATED ELSEWHERE OR FIELD ENGINEER MAKES CHANGES, ALL NEW CABINETS ARE EXPECTED TO BE CONFIGURED AS SHOWN.

**LEGEND (THIS SHEET ONLY):**

- 1 INSTALL 4G (LTE) WIRELESS MODEM ASSEMBLY AS SHOWN IN DETAILS I AND H.
- 2 REMOVE BLANK PLATE.
- 3 INSTALL STANDARD HALF SHELF AS SHOWN.
- 4 INSTALL 24 VDC POWER SUPPLY ON DIN RAIL.
- 5 REMOVE EXISTING TERMINAL BLOCK TBO AND INSTALL TWO 8P8C (EIA568B, RJ-45) AND TWO 6P2C (RJ-11) MODULAR CONNECTORS ON DIN RAIL.
- 6 INSTALL REMOTE ETHERNET POWER CONTROLLER SWITCH.
- 7 INSTALL MULTIPLE AC OUTLET STRIP.
- 8 INSTALL DATA SURGE SUPPRESSOR AS SHOWN.
- 9 CONNECT SOLID #10 GROUND WIRE TO EQUIPMENT GROUND.
- 10 INSTALL ETHERNET SECURITY ROUTER WHEN REQUIRED.
- 11 INSTALL DSL MODEM.
- 12 INSTALL DC TERMINAL BLOCK ON DIN RAIL.
- 13 INSTALL 4G (LTE) ANTENNA AND RUN ANTENNA CABLE PER MANUFACTURER'S RECOMMENDATION AS SHOWN IN DETAIL A SHEET ED-8.
- 14 INSTALL ETHERNET EXTENDER-SWITCH COMBINATION UNIT ON DIN RAIL AS SHOWN IN DETAILS I AND H. IF UNITS HAVE SFP PORTS, SFP TRANSCEIVERS RECOMMENDED BY THE MANUFACTURER MUST BE INSTALLED IN ALL SFP PORTS.
- 15 INSTALL STATE FURNISHED MODEL 2070E CONTROLLER FOR RAMP METERING AND TRAFFIC MONITORING SYSTEMS.
- 16 WHEN TELEPHONE CABLE IS INSTALLED TERMINATE PER DETAILS H AND J.

- 11 INSTALL DSL MODEM.
- 12 INSTALL DC TERMINAL BLOCK ON DIN RAIL.
- 13 INSTALL 4G (LTE) ANTENNA AND RUN ANTENNA CABLE PER MANUFACTURER'S RECOMMENDATION AS SHOWN IN DETAIL A SHEET ED-8.
- 14 INSTALL ETHERNET EXTENDER-SWITCH COMBINATION UNIT ON DIN RAIL AS SHOWN IN DETAILS I AND H. IF UNITS HAVE SFP PORTS, SFP TRANSCEIVERS RECOMMENDED BY THE MANUFACTURER MUST BE INSTALLED IN ALL SFP PORTS.
- 15 INSTALL STATE FURNISHED MODEL 2070E CONTROLLER FOR RAMP METERING AND TRAFFIC MONITORING SYSTEMS.
- 16 WHEN TELEPHONE CABLE IS INSTALLED TERMINATE PER DETAILS H AND J.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	224	230

REGISTERED CIVIL ENGINEER DATE

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.



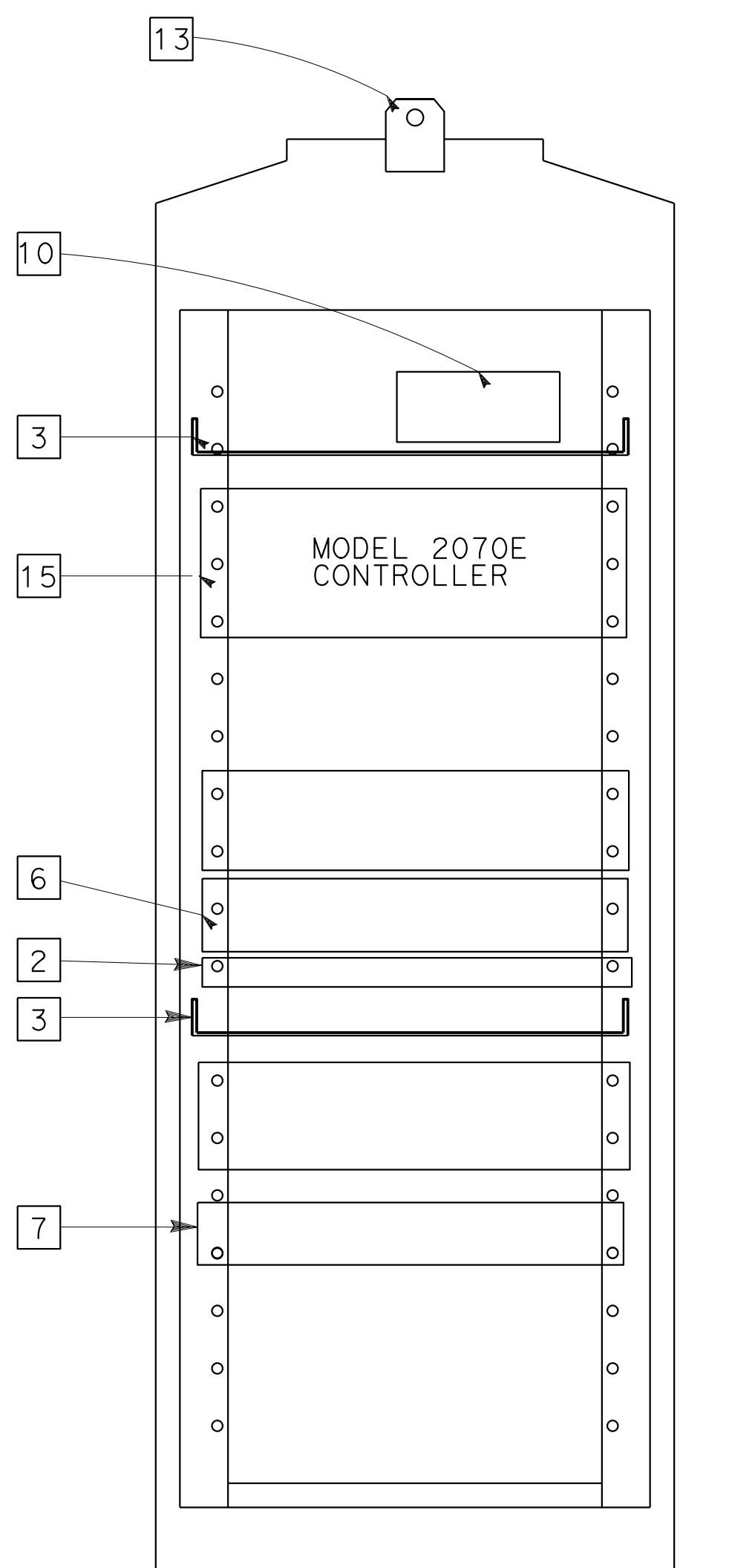
PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

PAIR #	COLOR	PIN #
1	ORANGE/WHITE	1
	ORANGE	2
2	GREEN/WHITE	3
	GREEN	6
3	BLUE	4
	BLUE/WHITE	5
4	BROWN/WHITE	7
	BROWN	8
5*	GRAY/WHITE	NOT USED
	GRAY	NOT USED
6*	RED	NOT USED
	BLUE	NOT USED

\* Fold back pairs #5 and #6 for future

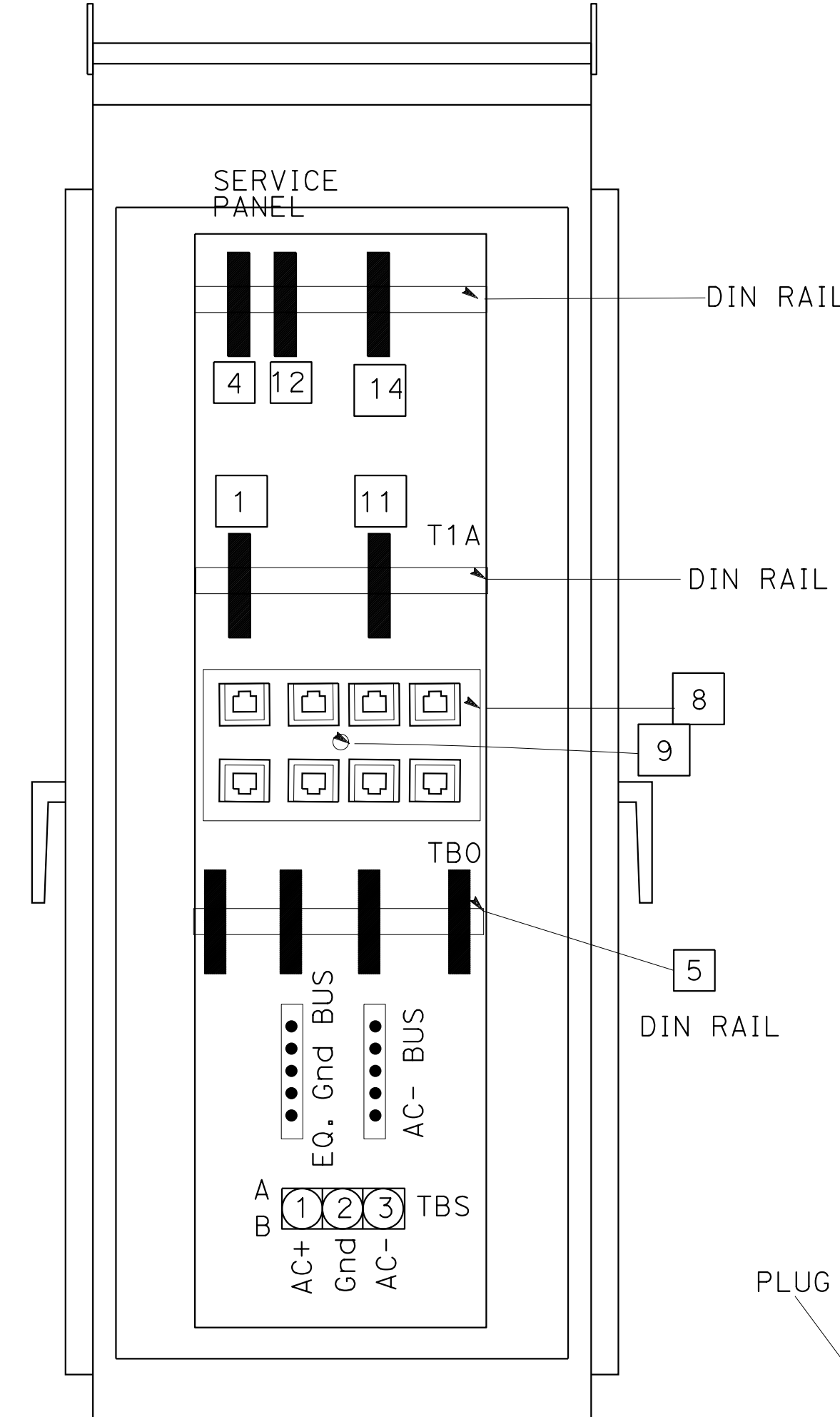
**PINOOTS  
DETAIL J**



**CABINET LAYOUT  
DETAIL (TYPICAL)**

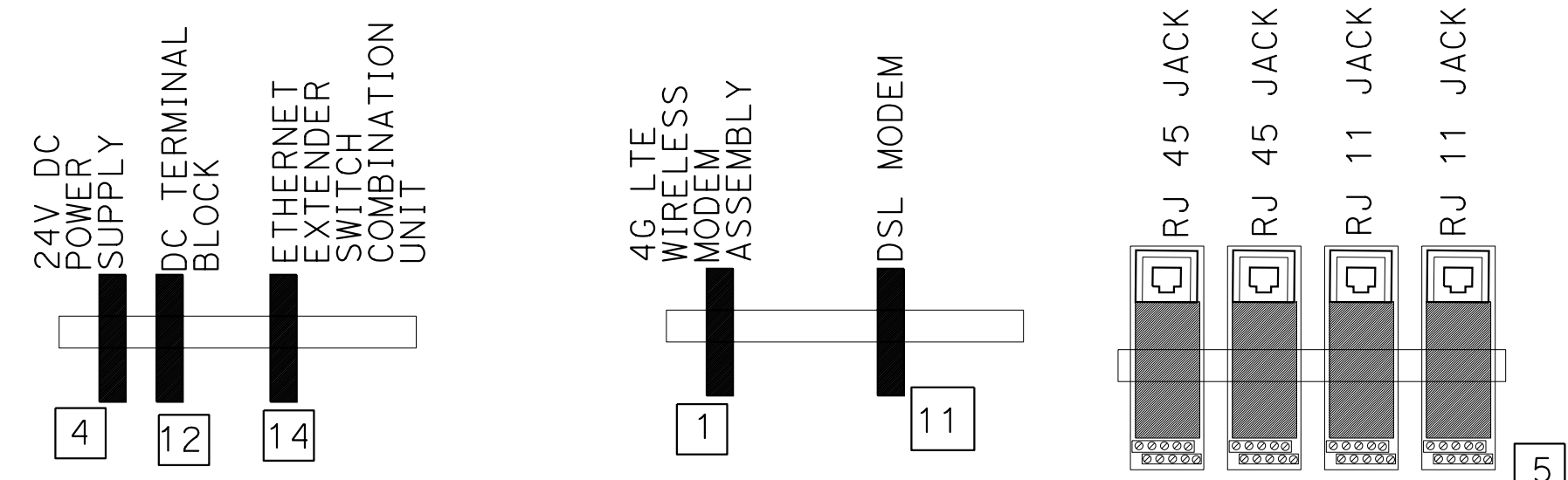
(FRONT VIEW)  
334 CONTROLLER CABINET  
(OR ITS SIDE OF 342LX CABINET)

**DETAIL D**



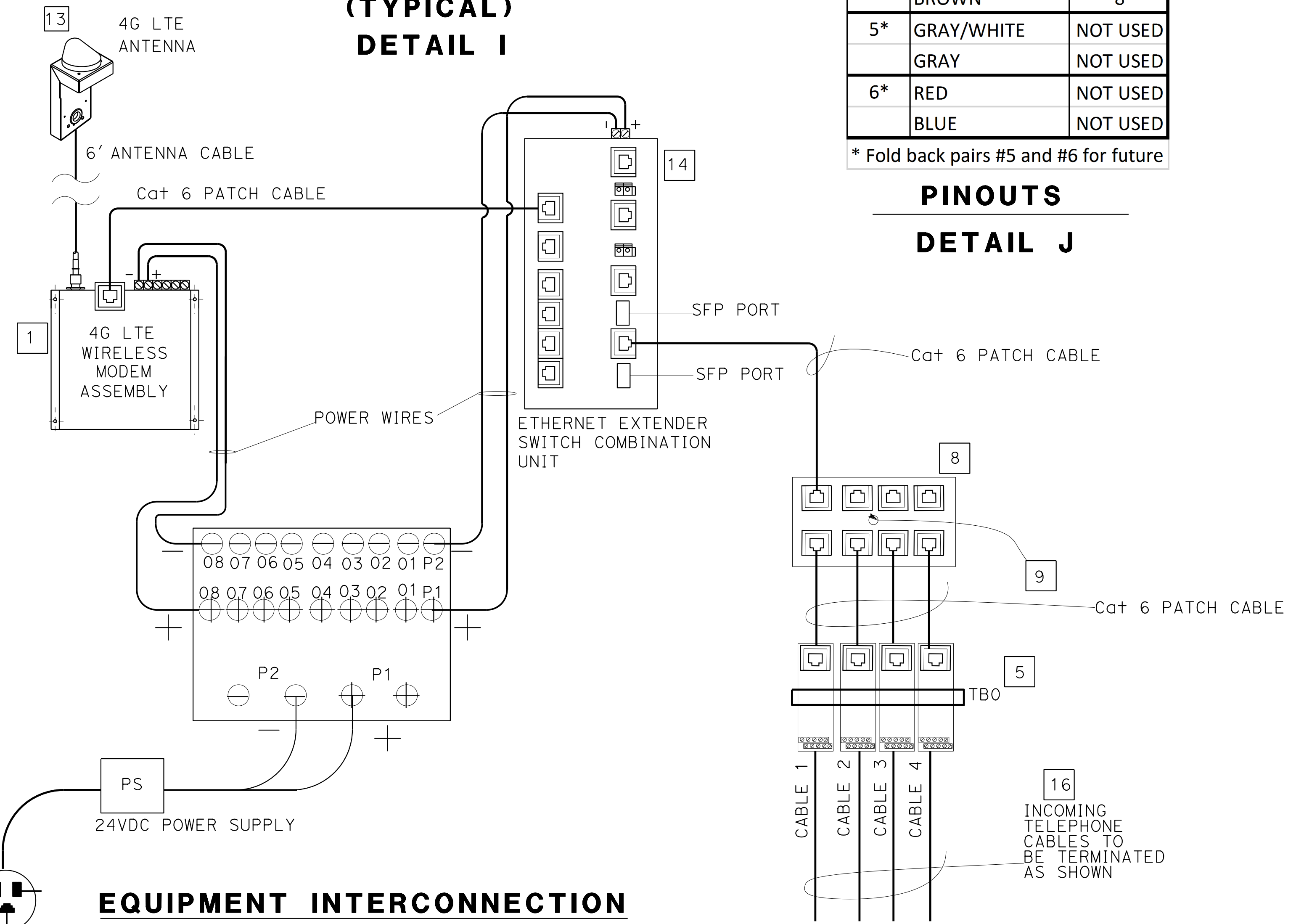
**CABINET ASSEMBLY  
LAYOUT (TYPICAL)**

(SIDE VIEW)  
334 CONTROLLER CABINET  
(OR ITS SIDE OF 342LX CABINET)



**EQUIPMENT INSTALLATION  
ON DIN RAIL**

**(TYPICAL)  
DETAIL I**



**EQUIPMENT INTERCONNECTION  
(TYPICAL)**

**DETAIL H**

**ELECTRICAL SYSTEMS DETAILS**

NO SCALE

**ED-7**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
Caltrans



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	225	230

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_

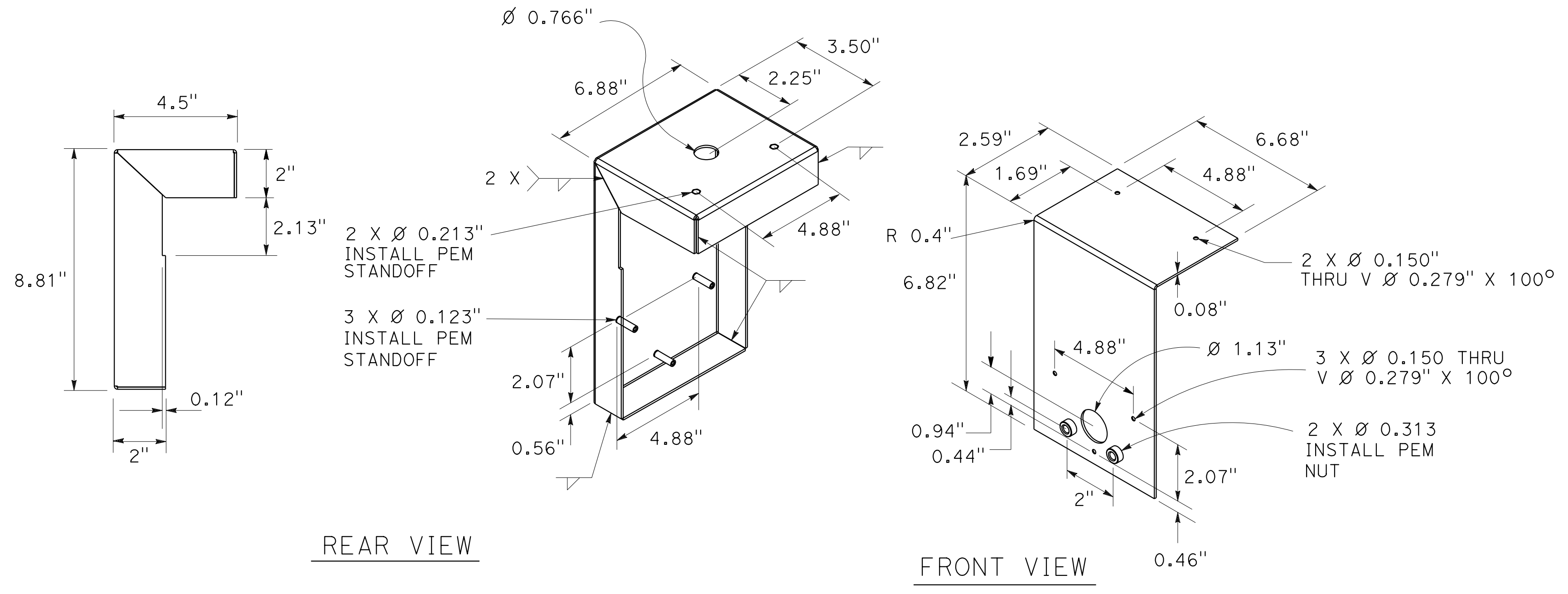
PLANS APPROVAL DATE \_\_\_\_\_

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.



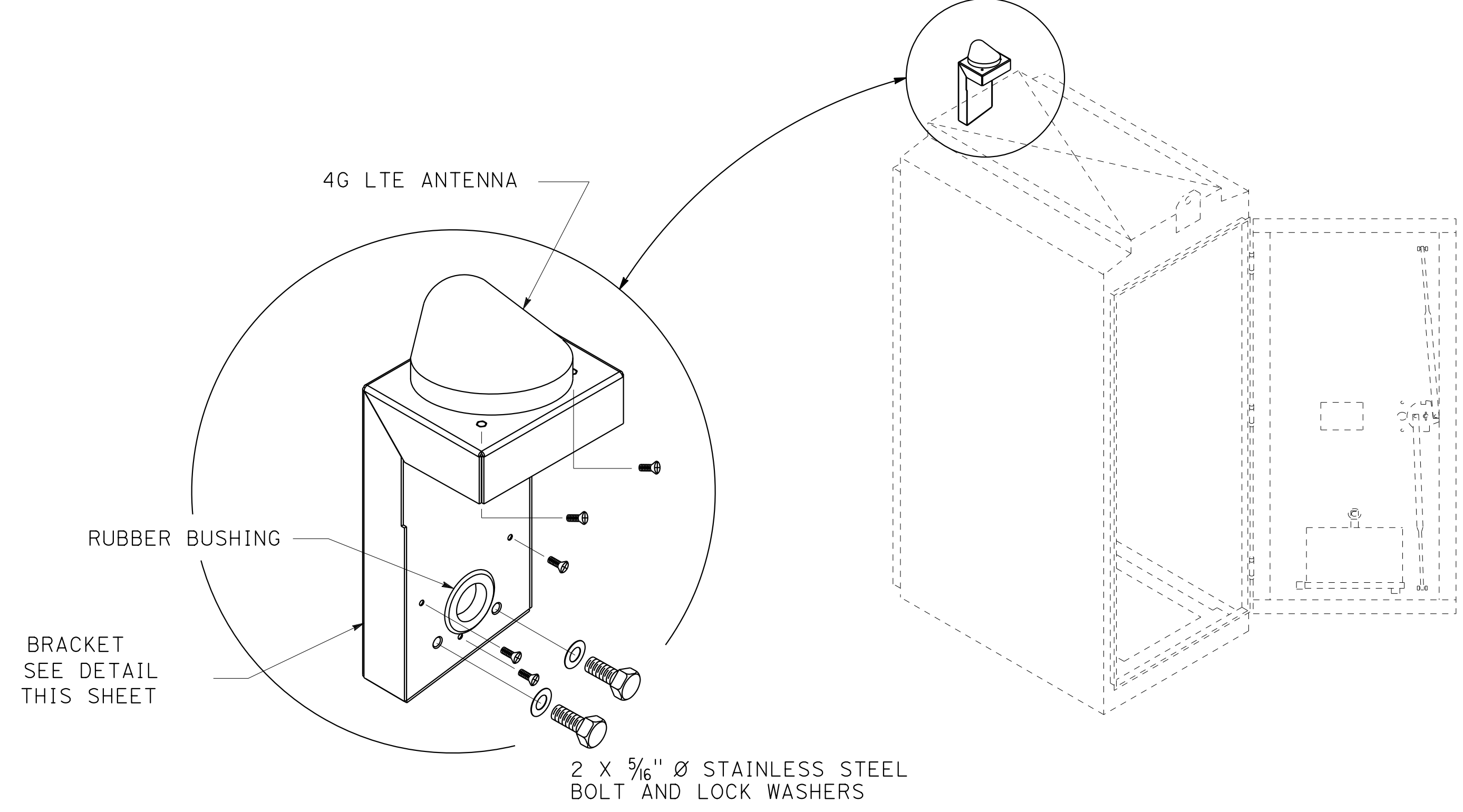
PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



**BRACKET**

\* THE CONTRACTOR SHALL SUBMIT A PROTOTYPE OF BRACKET TO THE ENGINEER FOR APPROVAL.



**4G LTE WIRELESS ANTENNA INSTALLATION ON CABINET  
DETAIL A**

**MODEL 334 CONTROLLER CABINET DETAIL**

**ELECTRICAL SYSTEMS DETAILS**  
NO SCALE  
**ED-8**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	DESIGNED BY	REVISOR
<b>Caltrans</b>	MARK RAYBACK	STEVEN ROBINSON	STEVEN LEUNG
	CHECKED BY	DATE	REVISION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	226	214

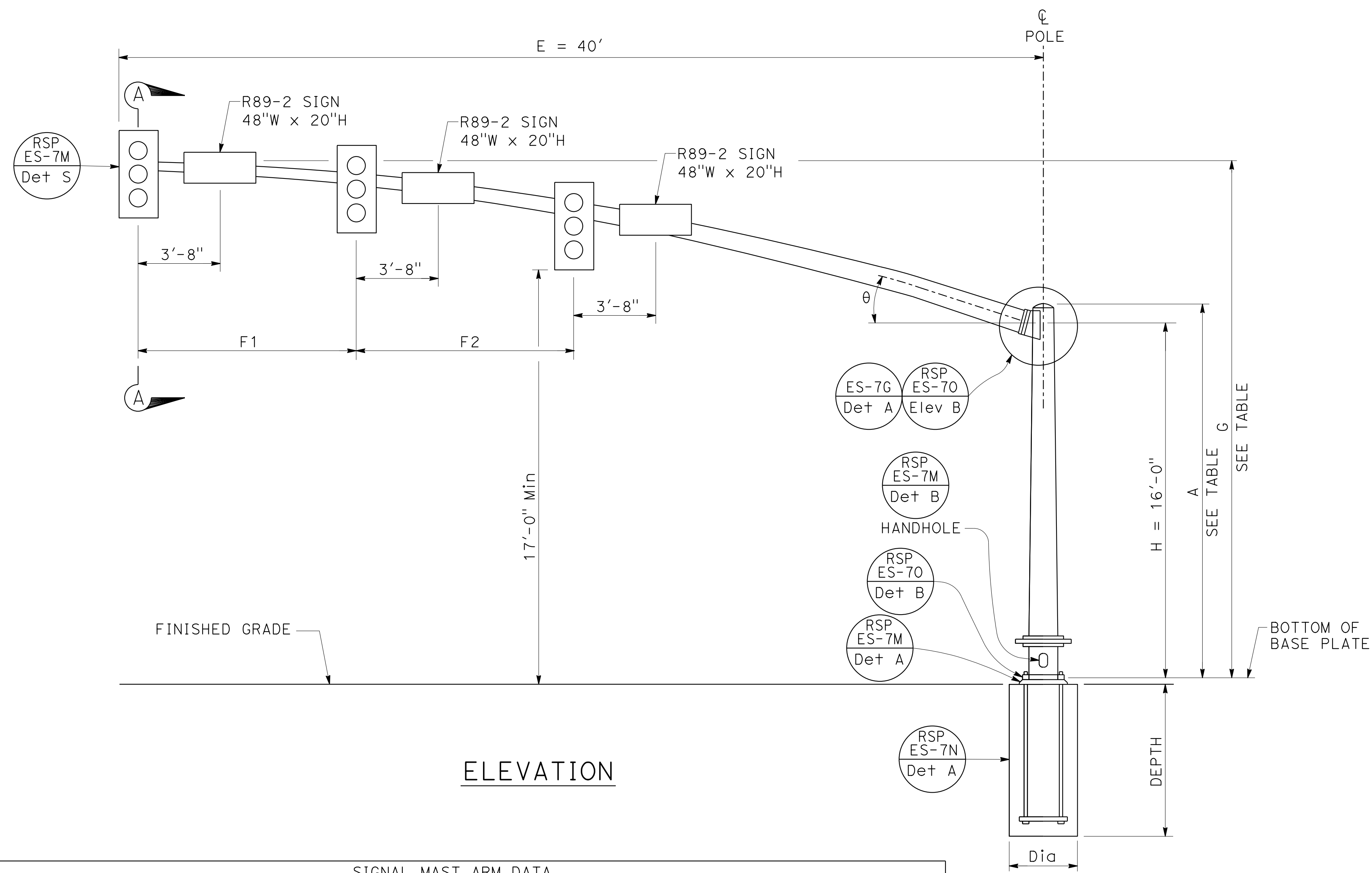
REGISTERED CIVIL ENGINEER DATE

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.

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AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816



ELEVATION

GENERAL NOTES:

SPECIFICATIONS

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, SIXTH EDITION.

LOADING

WIND LOADING: (3-SEC GUST) 100 mph

UNIT STRESSES

STRUCTURAL STEEL:  $f_y = 55,000$  PSI TAPERED STEEL TUBE  
 $f_y = 50,000$  PSI UNLESS OTHERWISE NOTED

ANCHOR BOLTS:  $f_y = 55,000$  PSI UNLESS OTHERWISE NOTED

REINFORCED CONCRETE:  $f'_c = 3,600$  PSI  
 $f_y = 60,000$  PSI

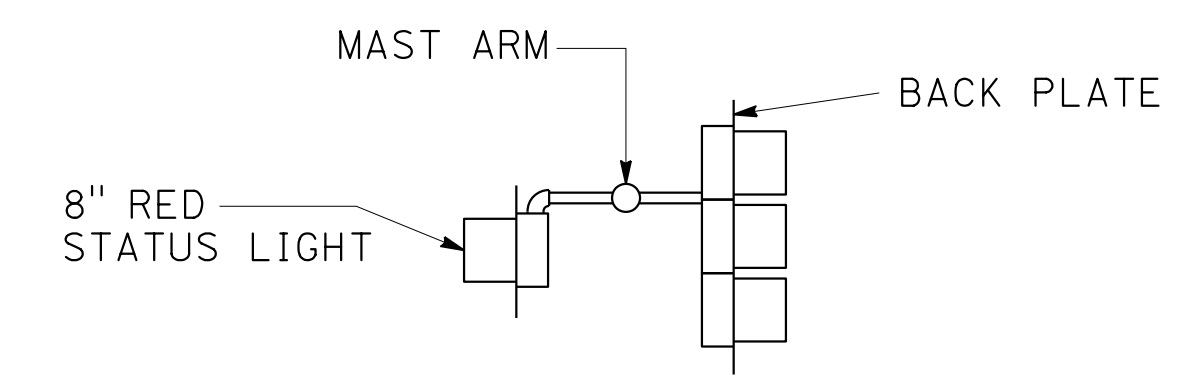
NOTES:

- FOR ROTATING POLE LOCATIONS, SEE "ROADWAY PLANS".
- FOR DETAILS NOT SHOWN, SEE "2018 STANDARD PLANS" AND "2018 REVISED STANDARD PLANS".
- ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION.
- DURING POLE ERECTION THE POLE MUST BE RAKED AS NECESSARY WITH THE USE OF LEVELING NUTS TO PROVIDE A PLUMB POLE AXIS.
- FOUNDATION SHOULD BE TREATED AS LEVEL GROUND CONDITION IF SLOPE INCLINATION IS FLATTER THAN 4H:1V.
- ENGINEER TO DETERMINE FINAL LOCATION OF ROTATING POLE.
- FOUNDATION DESIGN IS BASED ON AASHTO LTS-6 ARTICLE 13.6 BROMS' APPROXIMATE PROCEDURE ASSUMING A COHESIONLESS MATERIAL. THE ANGLE OF INTERNAL FRICTION USED IS 30 DEGREES AND UNIT WEIGHT OF SOIL IS 120 lbs/ft<sup>3</sup>.
- FOR ROADWAY X-SECTION DIMENSIONS AT ROTATING POLE LOCATIONS, SEE "ROADWAY PLANS".

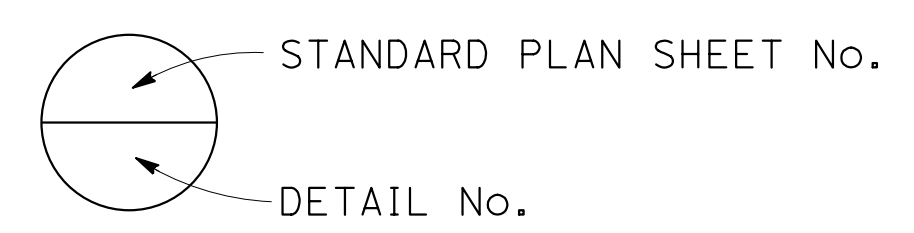
SIGNAL MAST ARM DATA											
E PROJECTED LENGTH	F1 AND F2 SPACING	G MOUNTING HEIGHT	H	Min OD AT POLE	THICKNESS	I BOLT CIRCLE	HS CAP SCREWS	J PLATE SIZE	K MAST ARM THICKNESS	L POLE THICKNESS	$\theta$
40'-0"	F1=12' F2=12'	25'-7"	16'-0"	11 <sup>7</sup> / <sub>16</sub> "	0.2391"	16"	1 <sup>1</sup> / <sub>2</sub> "-6NC-3 <sup>1</sup> / <sub>4</sub> "	1'-8"	1 <sup>3</sup> / <sub>4</sub> "	1 <sup>3</sup> / <sub>4</sub> "	15°

POLE TYPE	POLE DATA			BASE PLATE DATA				CIDH PILE FOUNDATION			
	A HEIGHT	Min OD BASE	Min OD TOP	THICKNESS	C	BC = BOLT CIRCLE	THICKNESS	ANCHOR BOLT SIZE	DIAMETER	DEPTH	REINFORCED
28-5-100 (Mod)	17'-0"	22"	19 <sup>5</sup> / <sub>8</sub> "	0.375"	2'-6"	2'-4"	3"	2 <sup>1</sup> / <sub>4</sub> " $\phi$ X 42"	4'-0"	14'-0"	YES

NOTE:  
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



SECTION A-A  
TYPICAL



DESIGN	BY STEVEN LEUNG	CHECKED STEVEN ROBINSON
DETAILS	BY ANDREW SCHANZ	CHECKED STEVEN ROBINSON
QUANTITIES	BY X	CHECKED X

PREPARED FOR THE  
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

STEVEN LEUNG  
PROJECT ENGINEER

BRIDGE NO.	N/A
POST MILES	N/A

TYPE 28-5-100 ROTATING POLE (MODIFIED)  
RAMP METER POLE DETAILS 1

SES-1

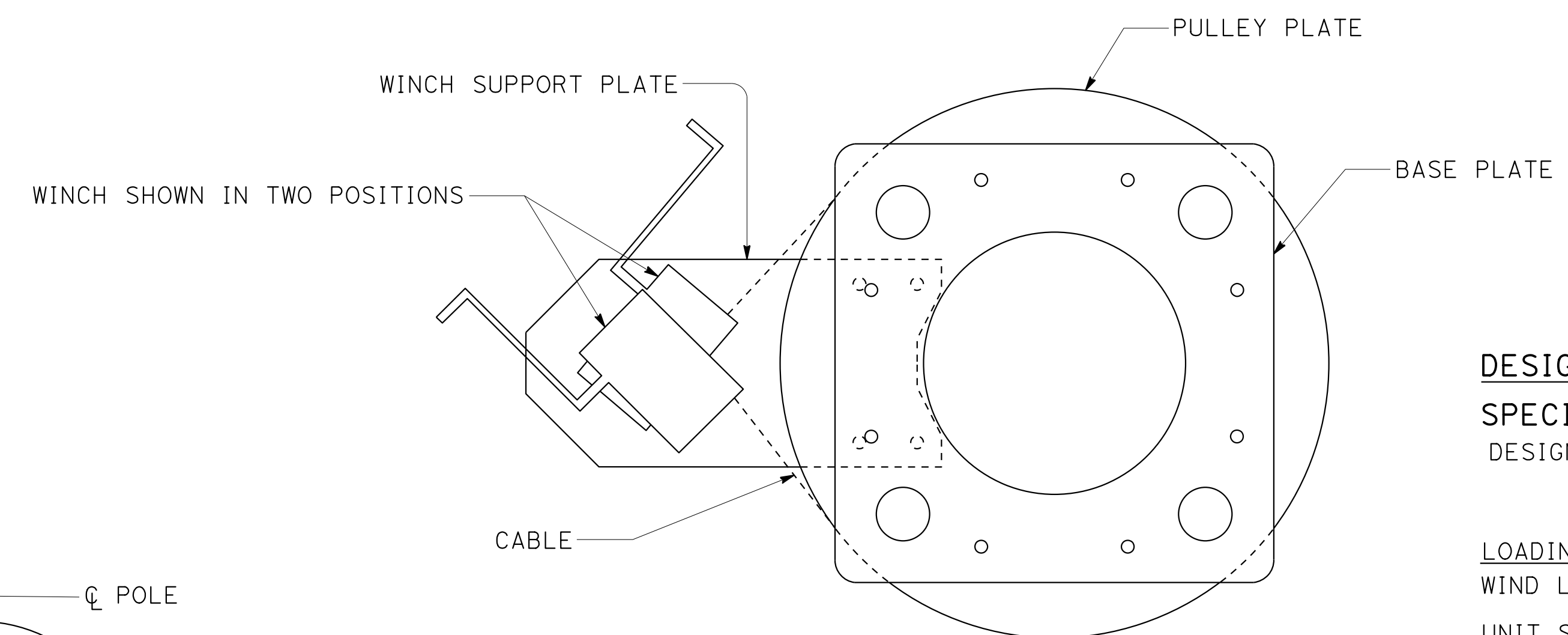
DATE PLOTTED => 13-JUL-2020 USERNAME => s.leung TIME PLOTTED => 16:50

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plā	65	R6.2/R8.3	227	214

REGISTERED CIVIL ENGINEER DATE \_\_\_\_\_  
 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.



PCTPA 299 NEVADA ST. AUBURN, CA 95603  
 WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816



**SECTION B-B**

SHOWING WINCH AND WINCH SUPPORT PLATE POSITION

**DESIGN NOTES:**

**SPECIFICATIONS:**

DESIGN: AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, SIXTH EDITION.

**LOADING**

WIND LOADING: (3-SEC GUST) 100 mph

**UNIT STRESSES FOR ROTATING POLE ADAPTER ASSEMBLY**

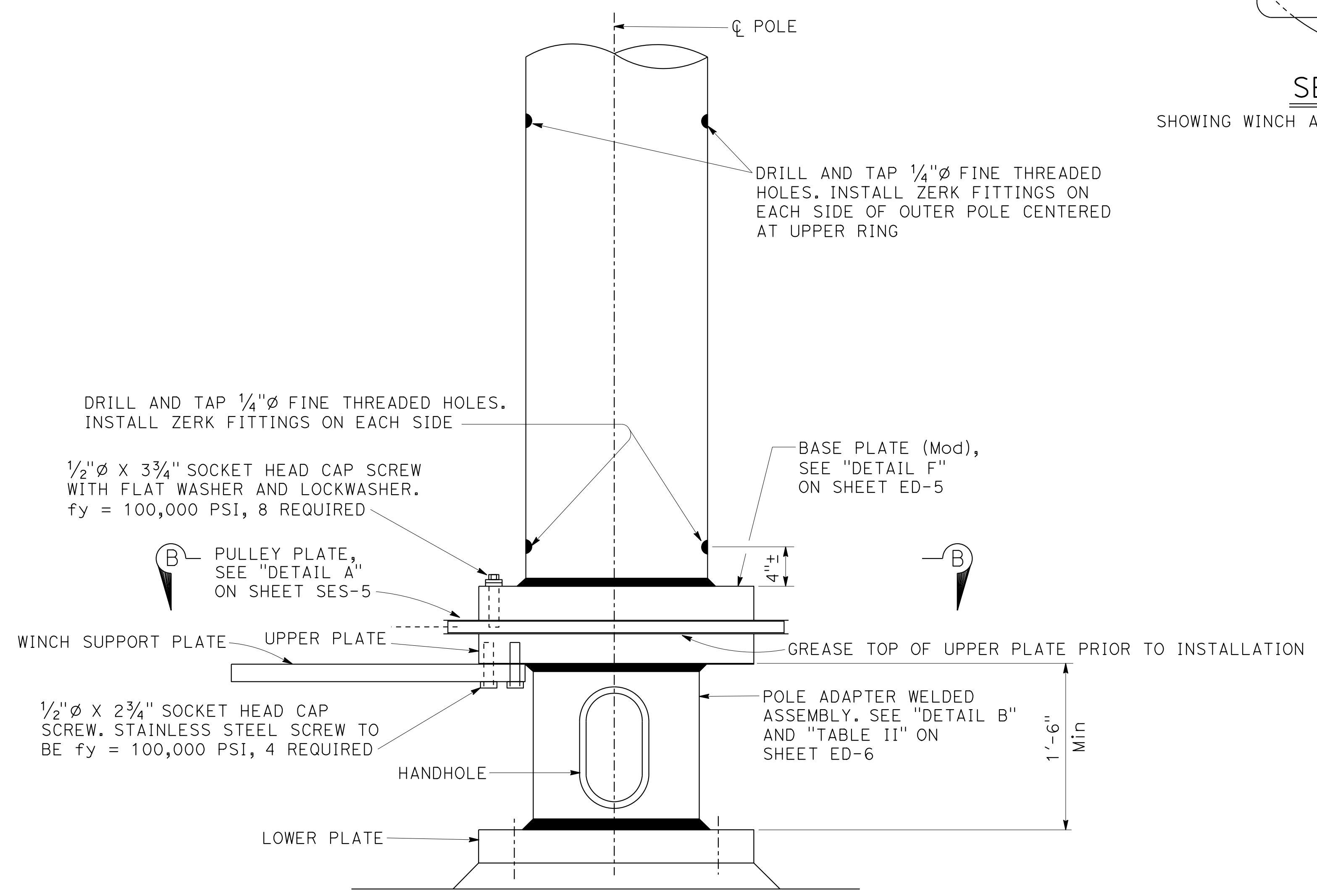
$f_y = 55,000$  PSI TAPERED STEEL TUBE  
 $f_y = 50,000$  PSI STRUCTURAL STEEL UNLESS OTHERWISE NOTED  
 ANCHOR BOLTS:  $f_y = 55,000$  PSI UNLESS OTHERWISE NOTED

**GENERAL NOTES:**

1. WASHER ASSEMBLY CONSISTS OF TWO FIBER, TWO FLAT AND LOCK WASHERS.
2. ALL STEEL MUST BE GALVANIZED AFTER FABRICATION UNLESS OTHERWISE NOTED.

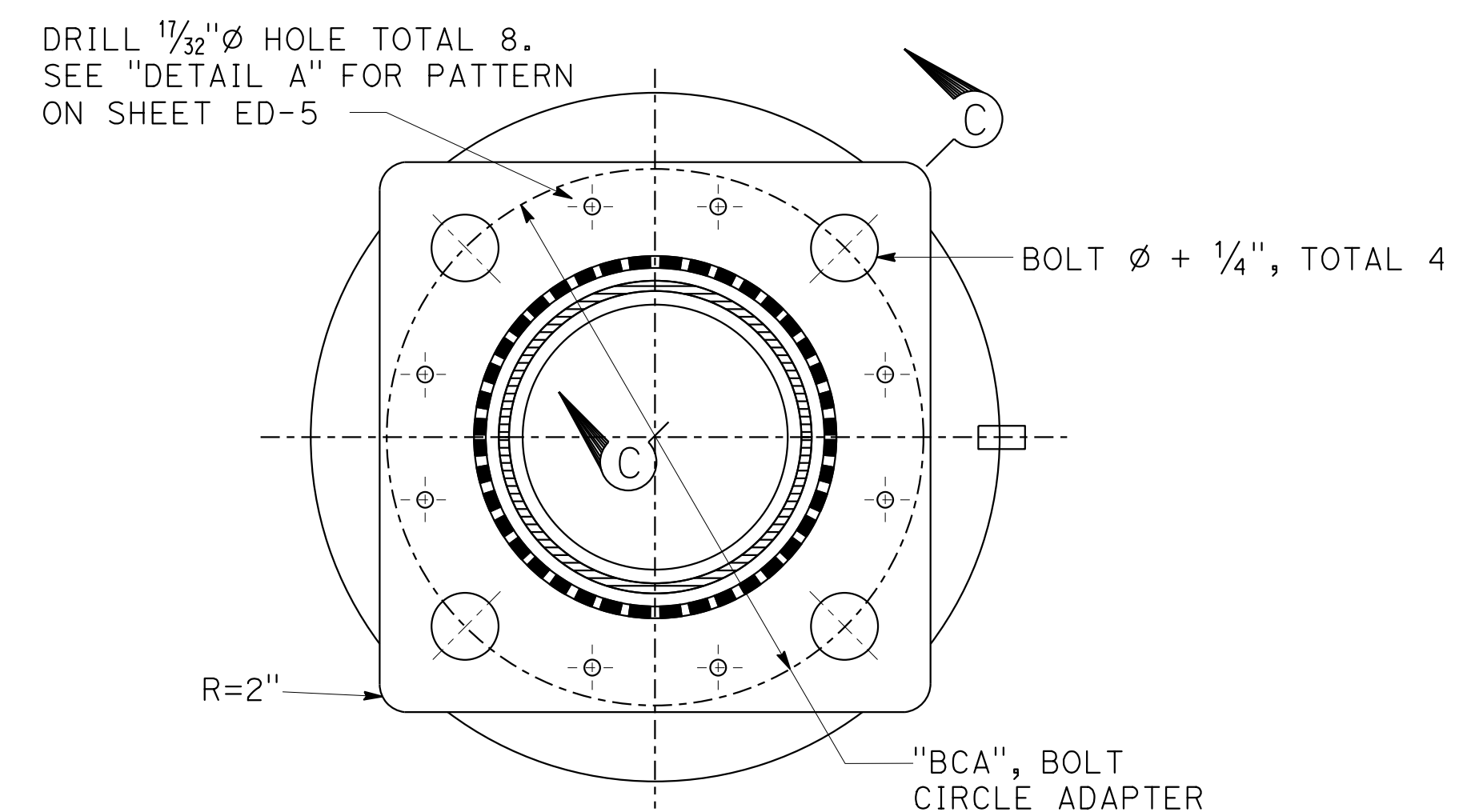
**NOTES:**

- A. SEE "SECTION C-C" ON SHEET ED-6.
- B. FOR "BCA" DIMENSIONS, SEE "TABLE I" ON SHEET ED-5.
- C. FOR DETAILS NOT SHOWN, SEE "2018 STANDARD PLANS".



**ROTATING POLE ASSEMBLY**

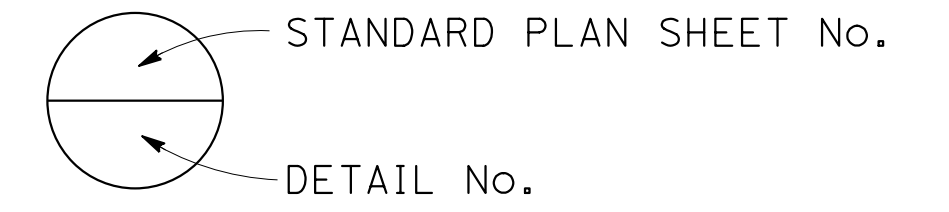
(SOME FASTENERS NOT SHOWN)



**SECTION B-B**

(BOLTS AND NUTS NOT SHOWN)

NOTE:  
 THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DESIGN OVERSIGHT SIGN OFF DATE	DESIGN	BY STEVEN LEUNG	CHECKED STEVEN ROBINSON	PREPARED FOR THE <b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	STEVEN LEUNG PROJECT ENGINEER	BRIDGE NO. N/A	<b>TYPE 28-5-100 ROTATING POLE (MODIFIED)</b> <b>RAMP METER POLE DETAILS 2</b>	SES-2
	DETAILS	BY ANDREW SCHANZ	CHECKED STEVEN ROBINSON			POST MILES N/A		
	QUANTITIES	BY X	CHECKED X					

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	228	214

REGISTERED CIVIL ENGINEER DATE

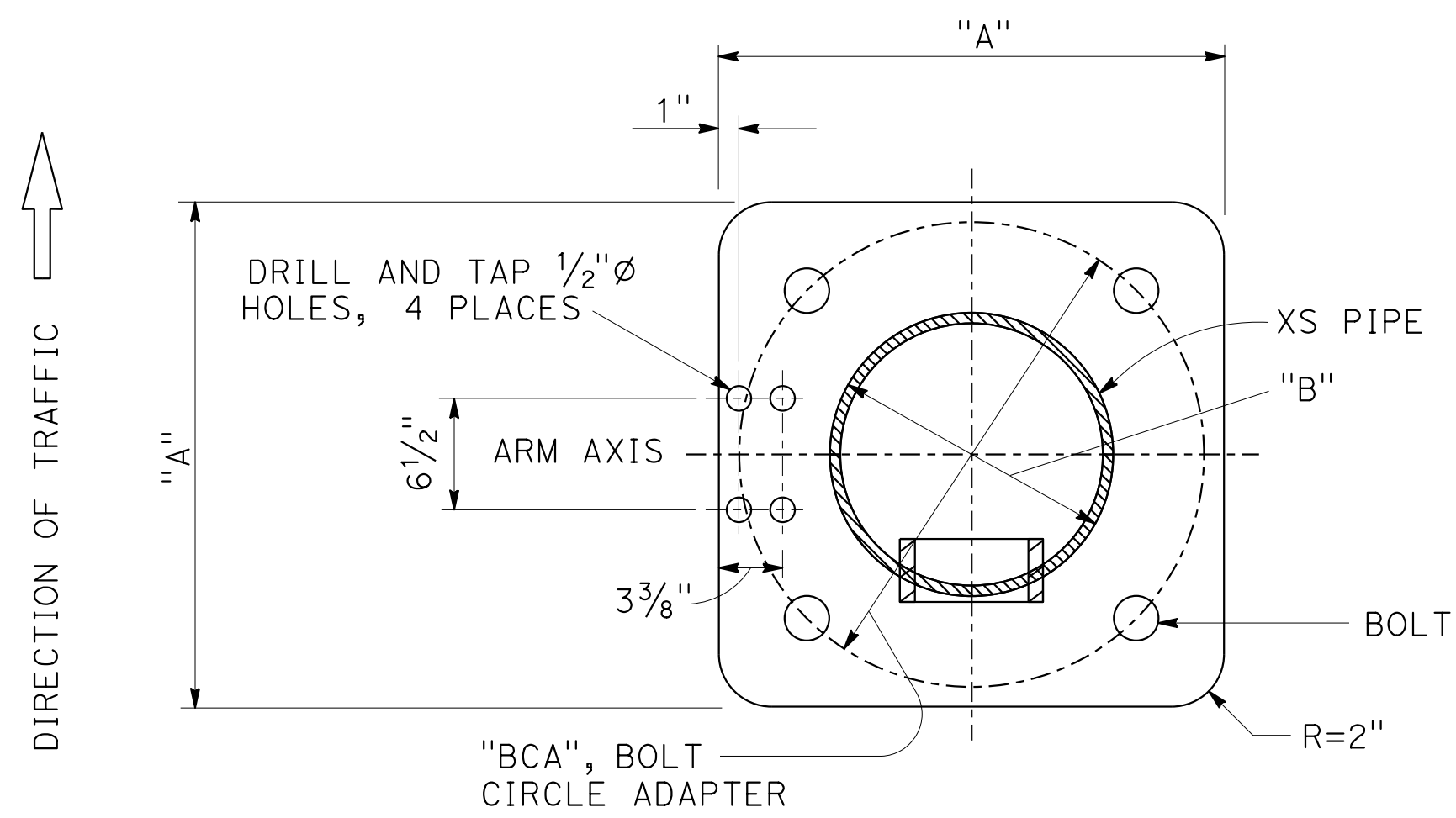
PLANS APPROVAL DATE

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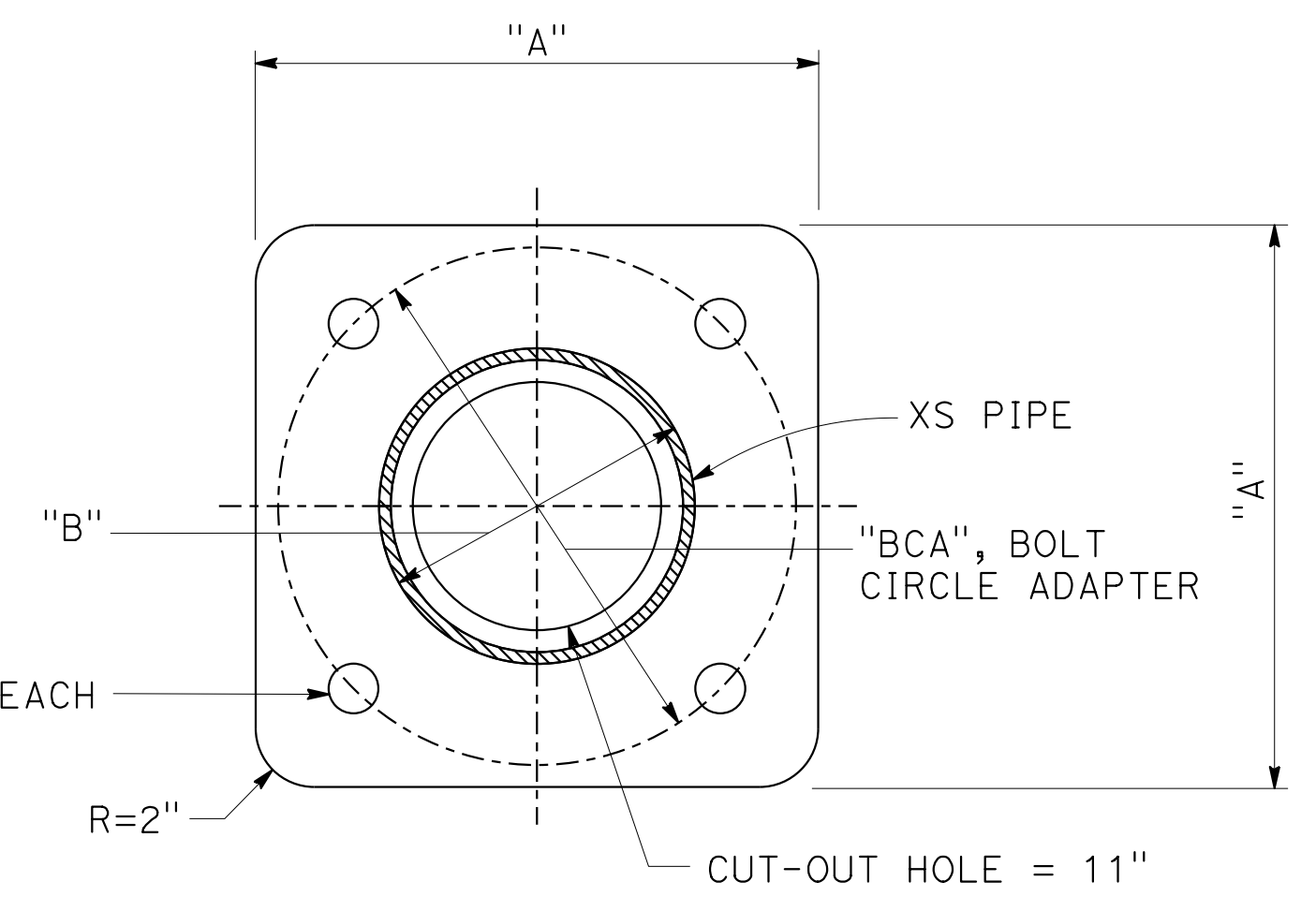
PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

REGISTERED PROFESSIONAL ENGINEER  
STEVEN W. LEUNG  
No. 70004  
Exp. 9/30/20  
CIVIL  
STATE OF CALIFORNIA

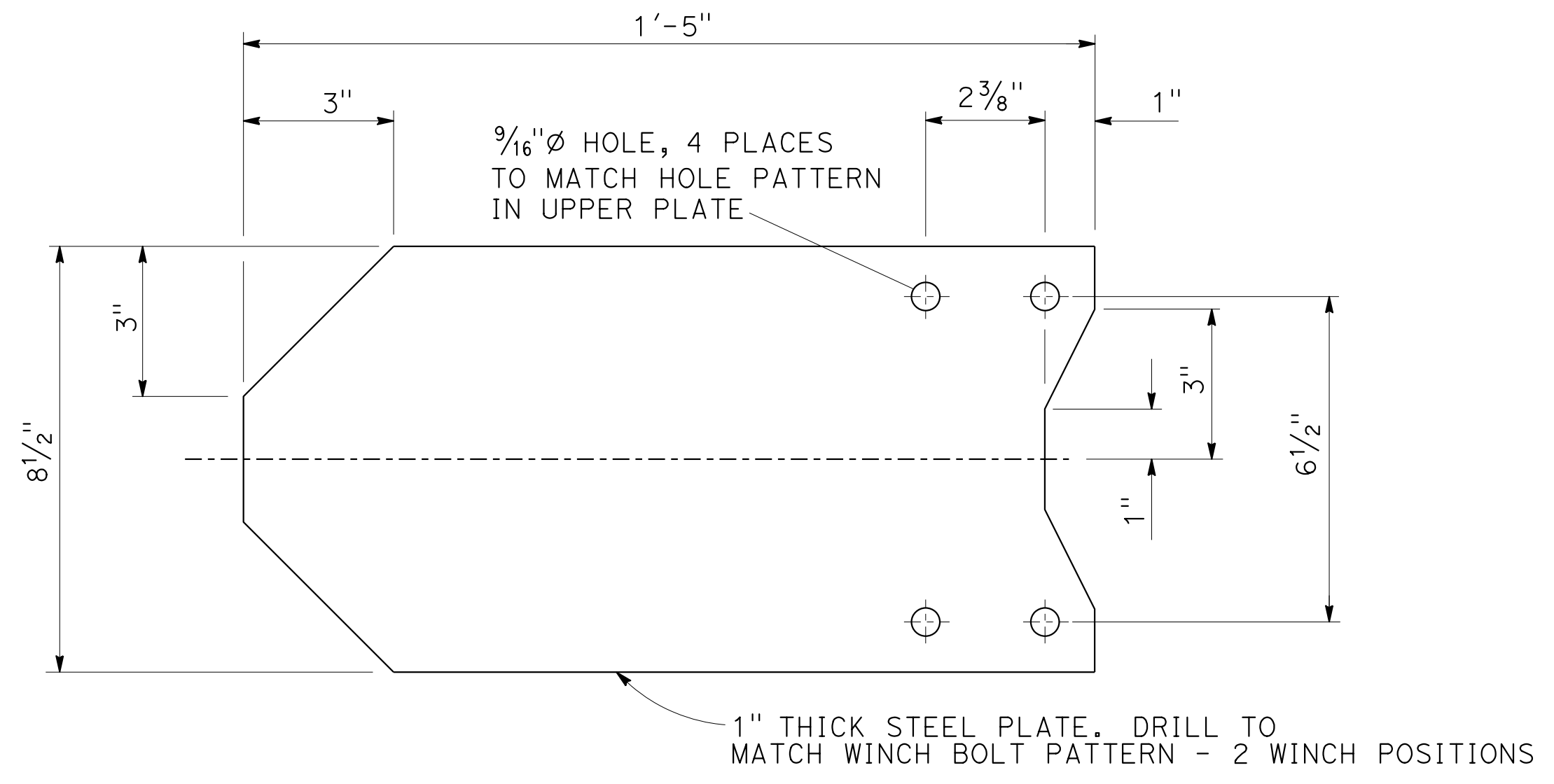


**SECTION D-D**

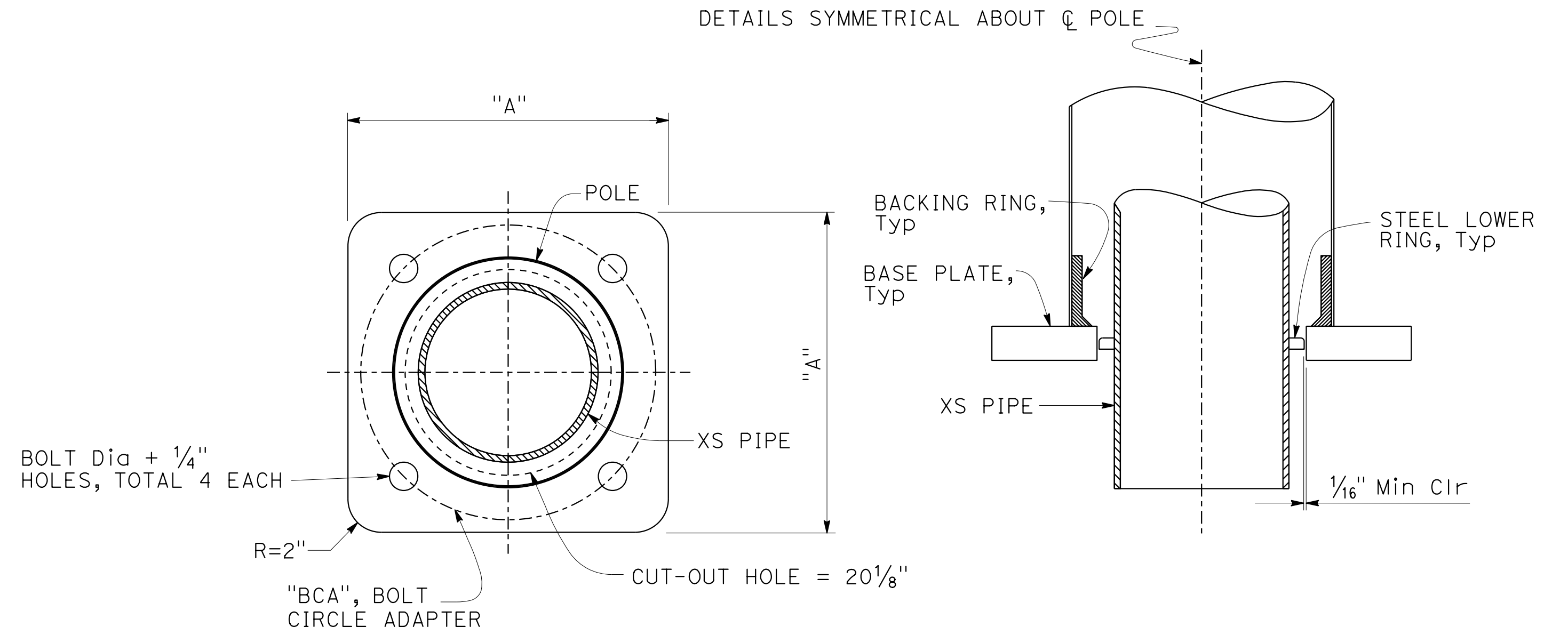


**SECTION E-E**

**UPPER & LOWER PLATE**  
SEE "DETAIL B" ON SHEET ED-4



**WINCH SUPPORT PLATE**

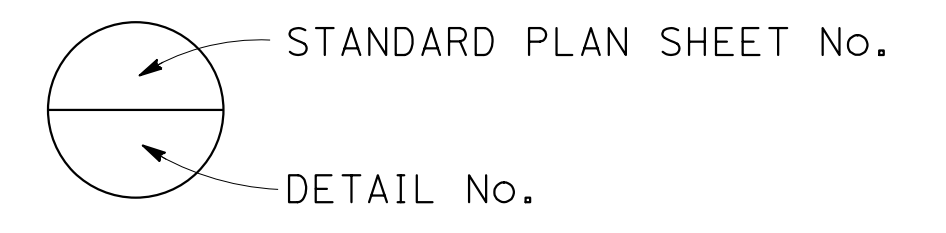


**BASE PLATE (Mod)  
DETAIL F**

**TABLE I**

SIGNAL & LIGHTING STANDARD (MODIFIED)	UPPER & LOWER DIMENSIONS		
	"A"	"B"	"BCA"
28-5-100 (Mod)	30"	18"	28"

NOTE:  
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



DESIGN OVERSIGHT	DESIGN BY STEVEN LEUNG	CHECKED STEVEN ROBINSON	<b>PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION</b>	STEVEN LEUNG PROJECT ENGINEER	BRIDGE NO. N/A	<b>TYPE 28-5-100 ROTATING POLE (MODIFIED) RAMP METER POLE DETAILS 3</b>	<b>SES-3</b>
SIGN OFF DATE	DETAILS BY ANDREW SCHANZ	CHECKED STEVEN ROBINSON			POST MILES N/A		
DESIGN DETAIL SHEET (ENGLISH) (REV. 03/14/12)	QUANTITIES BY X	CHECKED X					

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

UNIT: PROJECT NUMBER & PHASE: 0300011031 CONTRACT NO.: 03-1F1704

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: X

SHEET OF: 3 4

FILE => 031F1701ub011.dgn

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Plca	65	R6.2/R8.3	229	214

REGISTERED CIVIL ENGINEER DATE

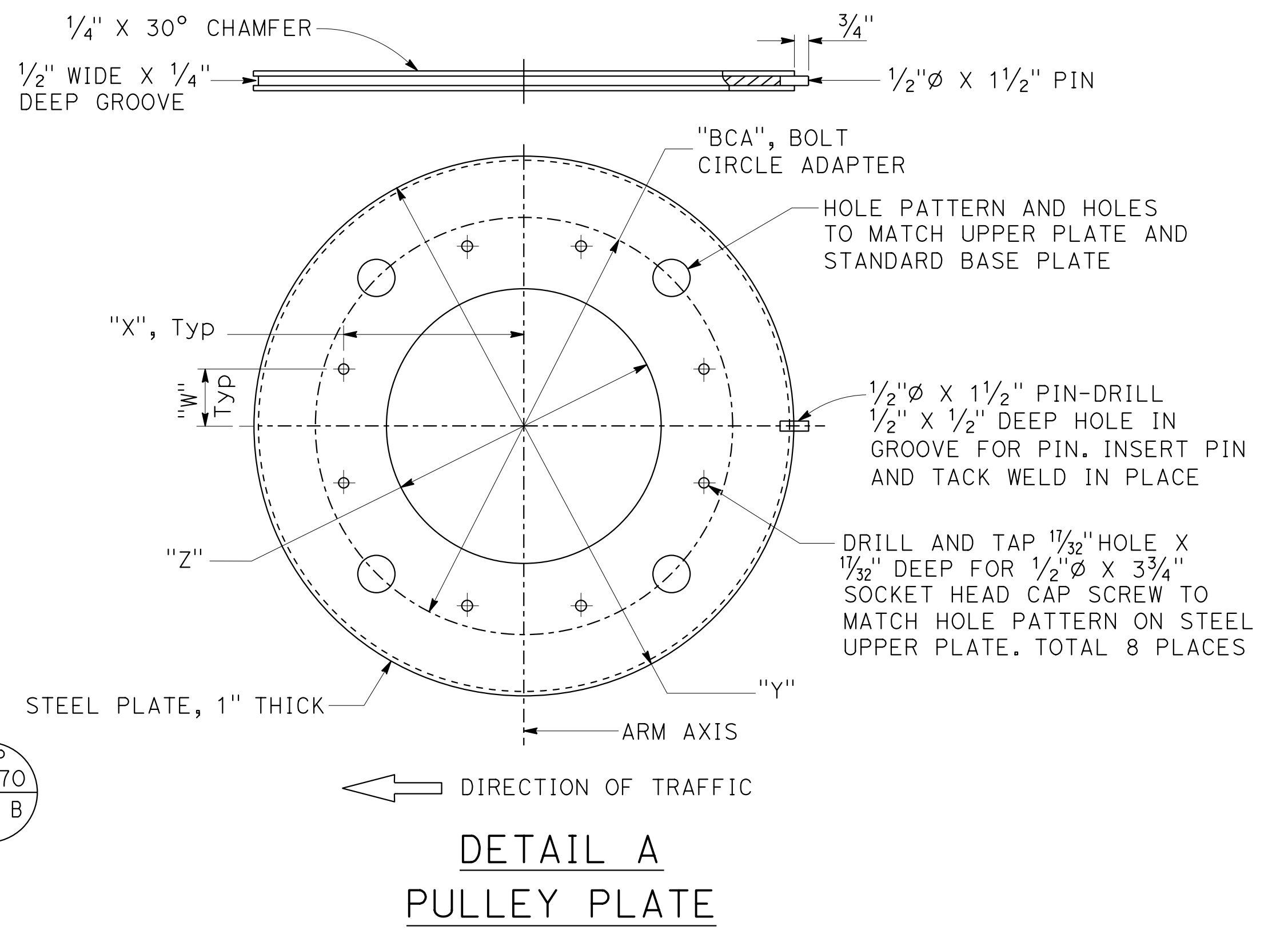
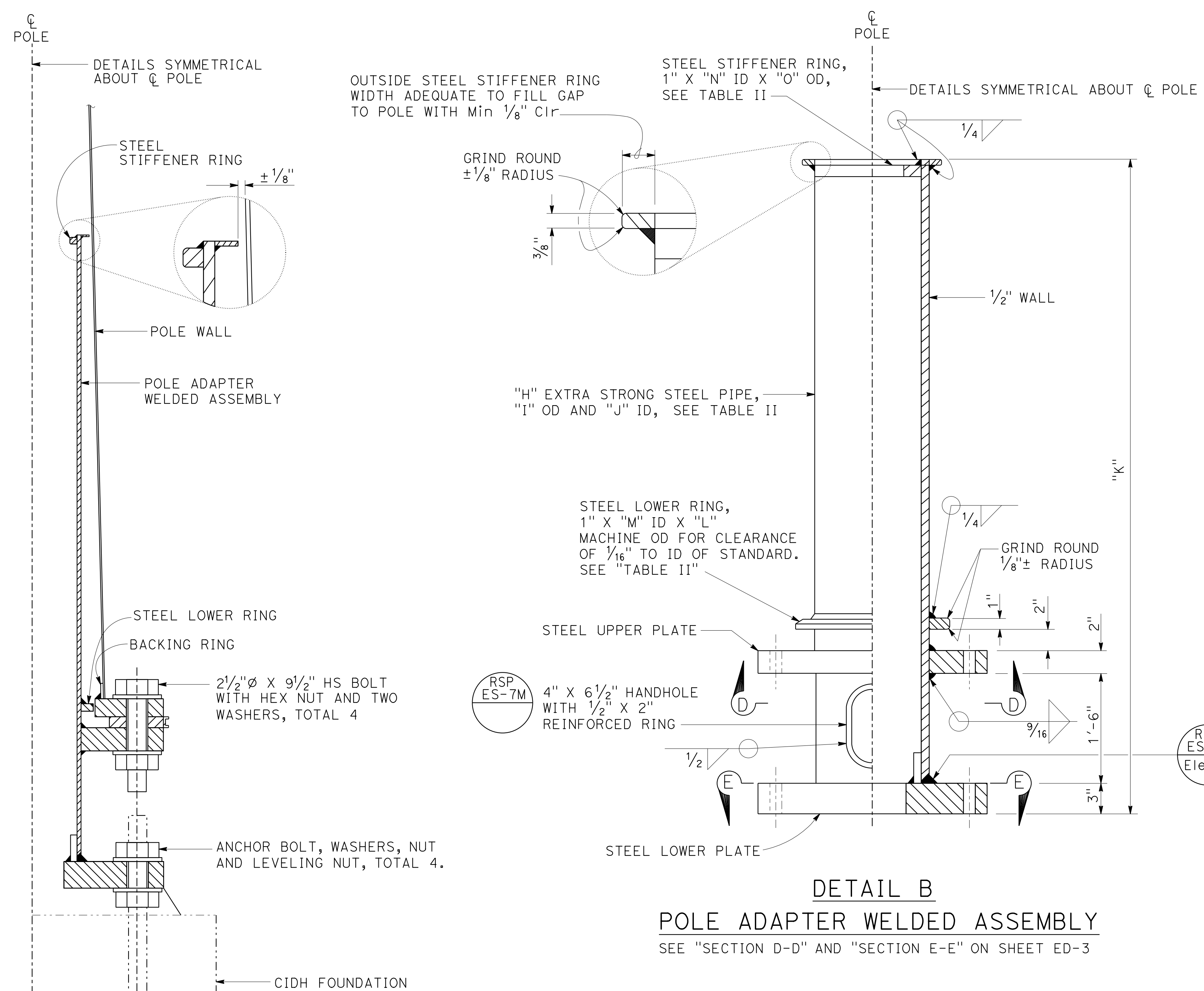
PLANS APPROVAL DATE

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PCTPA  
299 NEVADA ST.  
AUBURN, CA 95603

WOOD RODGERS, INC.  
3301 C STREET  
BUILDING 100B  
SACRAMENTO, CA 95816

REGISTERED PROFESSIONAL ENGINEER  
STEVEN W. LEUNG  
No. 70004  
Exp. 9/30/20  
CIVIL  
STATE OF CALIFORNIA



**DETAIL B**  
**POLE ADAPTER WELDED ASSEMBLY**  
SEE "SECTION D-D" AND "SECTION E-E" ON SHEET ED-3

**DETAIL A**  
**PULLEY PLATE**

**SECTION C-C**

NOTE:  
THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

**TABLE II**

SIGNAL & LIGHTING STANDARD (MODIFIED)	POLE ADAPTER WELDED ASSEMBLY							
	XS PIPE			LOWER RING		STIFFENER RING		
TYPE	"H"	"I" (OD)	"J" (ID)	"K"	"L" (OD)	"M" (ID)	"N" (ID)	"O" (OD)
28-5-100 (Mod)	18"	18"	17"	9'-0"	20"	18"	16"	17"

NOTE: BC (BOLT CIRCLE POLE) = BCA (BOLT CIRCLE ADAPTER PLATES AND PULLEY PLATES)

**TABLE III**

SIGNAL & LIGHTING STANDARD (MODIFIED)	PULLEY PLATE DIMENSIONS			
	"W"	"X"	"Y"	"Z"
28-5-100 (Mod)	4 1/8"	13 1/4"	35 1/2"	22 1/2"

DESIGN OVERSIGHT	DESIGN BY STEVEN LEUNG	CHECKED STEVEN ROBINSON	<b>PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION</b>	BRIDGE NO. N/A	<b>TYPE 28-5-100 ROTATING POLE (MODIFIED) RAMP METER POLE DETAILS 4</b>	<b>SES-4</b>	
SIGN OFF DATE	DETAILS BY ANDREW SCHANZ	CHECKED STEVEN ROBINSON		STEVEN LEUNG PROJECT ENGINEER			POST MILES N/A
DESIGN DETAIL SHEET (ENGLISH) (REV. 03/14/12)	QUANTITIES BY X	CHECKED X		UNIT: PROJECT NUMBER & PHASE: 0300011031			CONTRACT NO.: 03-1F1704

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES: X

SHEET 4 OF 4

FILE => 031F1701ub012.dgn



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Pld	65	R6.2/R8.3	230	230

REGISTERED CIVIL ENGINEER DATE

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.

PCTPA 299 NEVADA ST. AUBURN, CA 95603

WOOD RODGERS, INC. 3301 C STREET BUILDING 100B SACRAMENTO, CA 95816

### TEMPORARY LIGHTING SYSTEMS QUANTITIES

SHEET NUMBER	TEMPORARY WOOD POLE CASE 2N (45')	LUMINAIRE ARM (12') AND 165 W LED FIXTURE	REMOVE AND REINSTALL WOOD POLE, LUMINAIRE ARM, AND FIXTURE	2" C, TYPE 3	SPAN WIRE (7-STRAND)	No.4 CONDUCTOR
F-13	1				320	1600
F-14	4				950	4750
F-15	2			60	630	1890
F-16	6	2			1000	3000
F-17	1	1			130	390
F-18	5				1020	3060
F-19	3			300	420	2160
F-20	4	2			700	2100
F-21	3		2		650	1950
F-22	5		1		1300	3900
F-23						
F-24			2		400	1200
F-25	1	1	2		100	300
F-26			1			
F-27			1		50	150

### MODIFYING LIGHTING SYSTEMS QUANTITIES

SHEET NUMBER	NO.5 (T) PB	TYPE 10 LTg STANDARD AND FIXTURE	TYPE 30 LTg STANDARD AND FIXTURE	TYPE 31 LTg STANDARD AND FIXTURE	TYPE 32 LTg STANDARD AND FIXTURE	RL Exist Hwy Ltg	RS Exist Hwy Ltg	RC Exist PB	2" C, TYPE 3	3" C, TYPE 3	No.1 CONDUCTOR	No.2 CONDUCTOR	No.4 CONDUCTOR
F-1	1			1					200	40	3200		
F-2	6	1		1		4		4	1200		3600		
F-3	3			1	2				460		1380		
F-4	6			3			2	2	1000			3000	
F-5	9		1	6		2		9	1450			4350	
F-6	4			1			1	1	800				2400
F-7	5					3		4	800				2400
F-8	3		1			1		1	330				1650
F-9	5					1		16	850	40			2750
F-10	5						2	6	850				2550

### MODIFYING TRAFFIC MONITORING STATIONS QUANTITIES

SHEET NUMBER	NO.5 (T) PB	NO.6 (T) PB	DETECTOR LOOP, TYPE A (6'X6')	DETECTOR HANDHOLE TYPE A	RC Exist PB	RC Exist DETECTOR HANDHOLE	2" C, TYPE 3	3" C, TYPE 3	DLC (TYPE B)
F-1	1	1	3	2	5	3	400	75	3420
F-2	7		10	3	2	1	1550	75	9400

### MODIFYING SIGNAL AND LIGHTING SYSTEMS QUANTITIES

SHEET NUMBER	NO.5 (T) PB	DETECTOR LOOP, TYPE A (6'X6')	DETECTOR LOOP, TYPE A (6'X10')	DETECTOR HANDHOLE TYPE A	PEDESTRIAN SIGNAL HEAD (COUNT-DOWN TYPE)	ACCESSIBLE PEDESTRIAN SIGNAL (APS)	PBA POST	TYPE 15-FBS AND FB	RC Exist PB	RC Exist DETECTOR HANDHOLE	2" C, TYPE 3	3" C, TYPE 3	DLC (TYPE B)	No.8 CONDUCTOR	No.12 CONDUCTOR
F-1	10	4		2				2	3		1650	60	4120	410	820
F-11	1	3		1	2	2	2			2					
F-12									5	2					

### MODIFYING RAMP METERING SYSTEMS QUANTITIES

SHEET NUMBER	NO.5 (T) PB	NO.6 (T) PB	NO.6E (T) PB	DETECTOR LOOP, TYPE A (6'X6')	DETECTOR LOOP, TYPE A (6'X10')	DETECTOR LOOP, TYPE A (10'X12')	DETECTOR HANDHOLE TYPE A	TYPE 1-B RM POLE & EQUIPMENT	TYPE 28-5-100 (Mod) 40' MA RM POLE & EQUIPMENT	Mod TYPE 1-D FB POLE & EQUIPMENT	INSTALL DEPARTMENT-FURNISHED 2070 CONTROLLER ASSEMBLY	TYPE III-AF SERVICE EQUIPMENT ENCLOSURE	RC Exist PB	RC Exist DETECTOR HANDHOLE	2" C, TYPE 3	3" C, TYPE 3	DLC (TYPE B)	No.2 CONDUCTOR	No.4 CONDUCTOR	No.6 CONDUCTOR	No.8 CONDUCTOR	No.10 CONDUCTOR	No.14 CONDUCTOR	CCTV COMMUNICATION CABLE
F-5	5			14	6		4		1				5	3	380	160	3270	4350				120	1440	
F-6	12			11	5		4	2					13	5	1220	155	2060				40		1110	450
F-7	1					1	1						1		150		150							
F-8	4			6	6		2		1				8		420		2160				200		2400	
F-9	16		1		3		1			2	1	1	16		2730	140	2090	3950	580	890	1740	480		
F-10	10	1	1		2		1			2			8	1	370	130	865	1885		210	420	180		

NOTE:  
 FOR INFORMATION ONLY, ELECTRICAL SYSTEMS QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS. SEE ELECTRICAL SYSTEM PLANS AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDS FOR EACH SYSTEM.

## ELECTRICAL SYSTEMS QUANTITIES

### EQ-1