

Appendix H Typical Cross Sections and Profiles for Alternatives

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DESIGN DESIGNATION (2040)

ADT (2013) = 122,300 0=51%
ADT (2040) = 165,000 T=8%
DHV=12,540 V=70 MPH

PRELIMINARY STRUCTURAL SECTION TYPE

RAMP
TI (40-Year Design Life)=11.0
Baseament Soil R Value (Preliminary)=40

A 0.55' HMA-A
0.95' AB (CL2) OR A2
0.85' JPCP
HMA BOND BREAKER
0.35' LCB

AUXILIARY LANE
TI (40-Year Design Life)=17.0
Baseament Soil R Value (Preliminary)=40

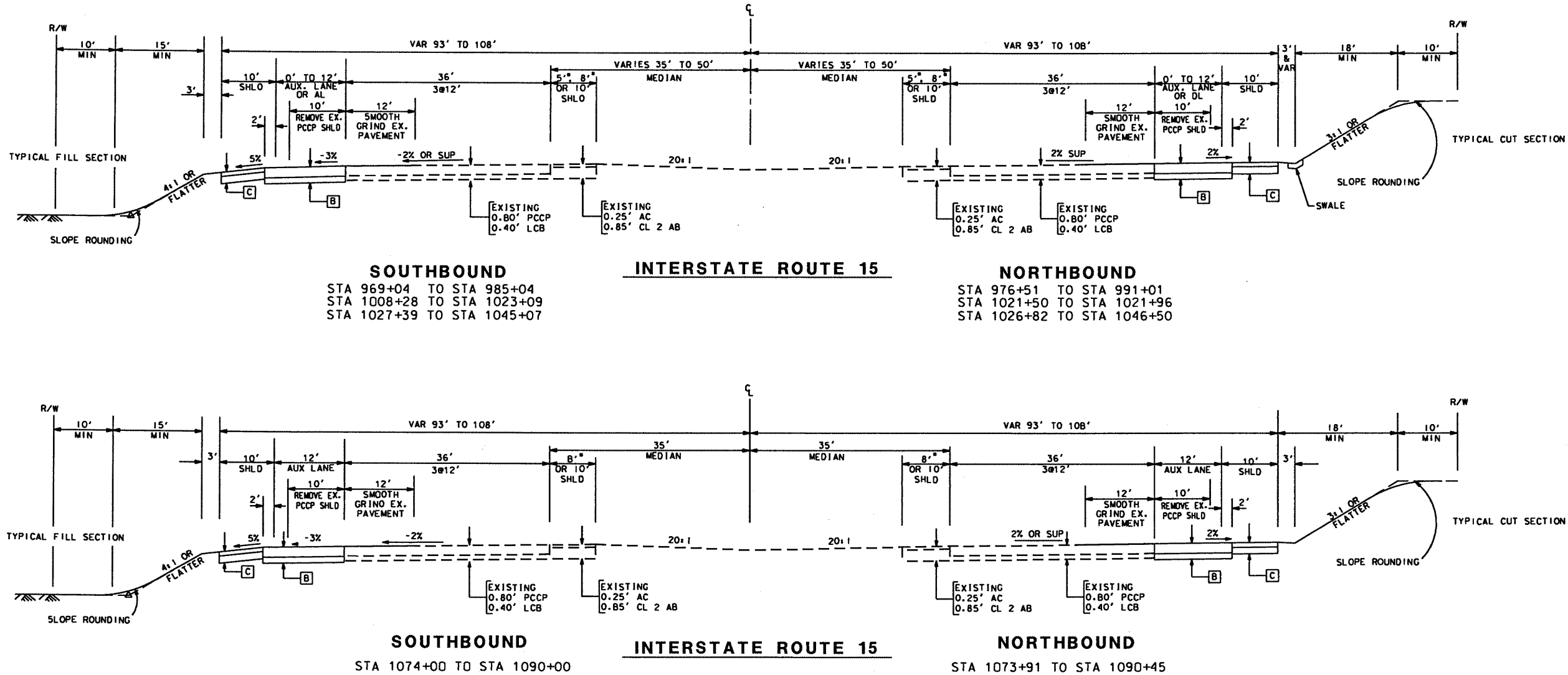
B 1.25' JPCP
HMA BOND BREAKER
0.35' LCB

FREEWAY SHOULDER
TI (40-Year Design Life)=10.5
Baseament Soil R Value (Preliminary)=40

C 0.85' JPCP
HMA BOND BREAKER
0.35' LCB

LOCAL ROADS
TI (20-Year Design Life)=9.0
Baseament Soil R Value (Preliminary)=40

D 0.45' HMA-A
0.95' AB (CL2)



* STATION TO STATION	EXISTING INSIDE SHOULDER WIDTH
NORTHBOUND STA 975+51 TO STA 1013+90	5 FT
NORTHBOUND STA 1021+58 TO STA 1098+48	8 FT
NORTHBOUND STA 1105+30 TO STA 1107+10	8 FT
SOUTHBOUND STA 969+04 TO STA 1014+10	5 FT
SOUTHBOUND STA 1022+83 TO STA 1027+33	8 FT
SOUTHBOUND STA 1094+78 TO STA 1107+10	8 FT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

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4080 LEMON STREET, 3RD FLOOR

RIVERSIDE, CA 92501

SC ENGINEERING

16096 CHIMI ROAD

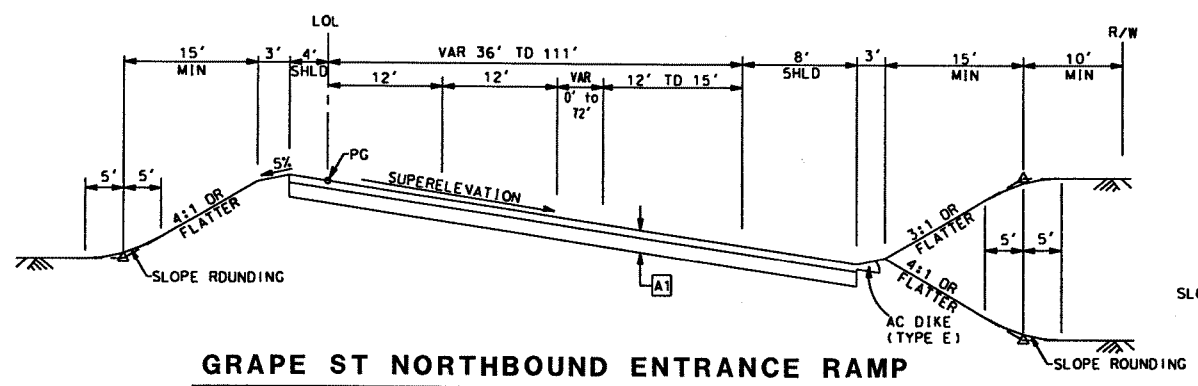
APPLE VALLEY, CA 92307

DATE
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DATE
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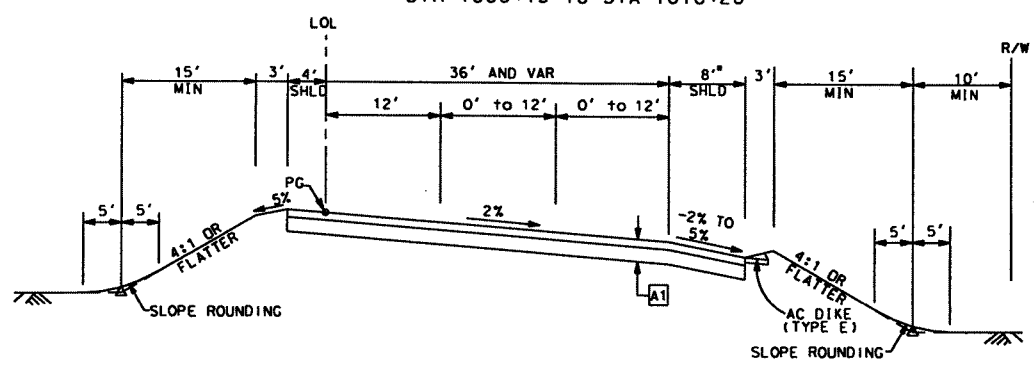
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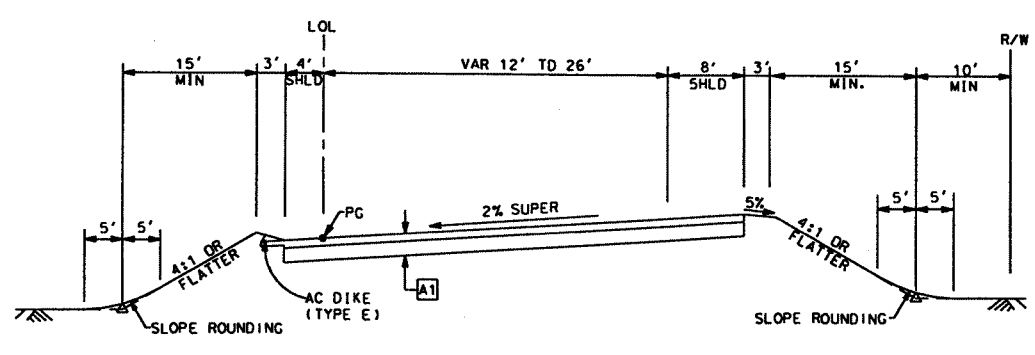
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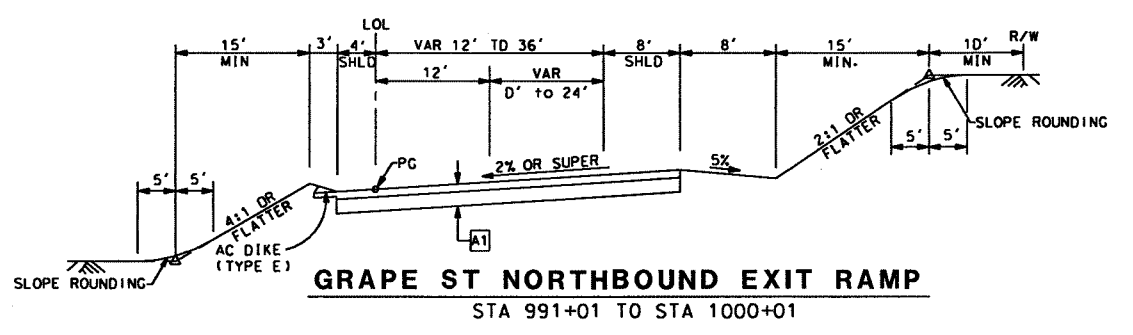
GRAPE ST NORTHBOUND ENTRANCE RAMP
STA 1006+15 TO STA 1010+28



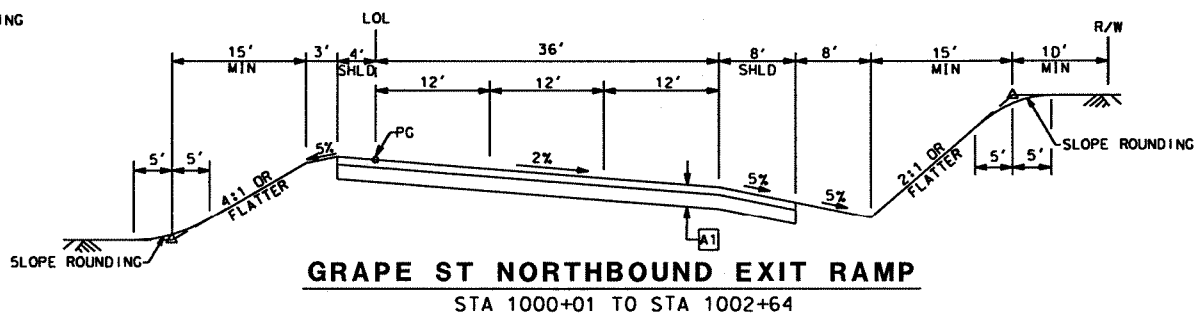
GRAPE ST NORTHBOUND ENTRANCE RAMP
STA 1010+28 TO STA 1015+81



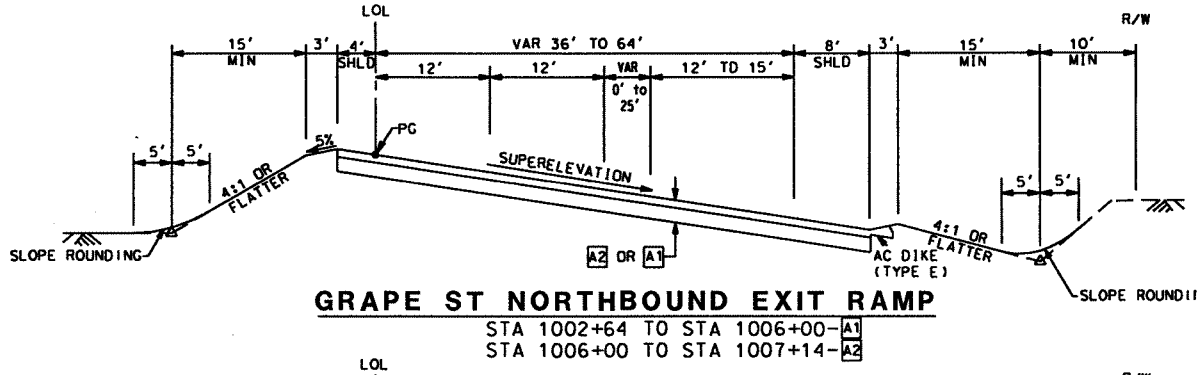
GRAPE ST NORTHBOUND ENTRANCE RAMP
STA 1015+81 TO STA 1021+50



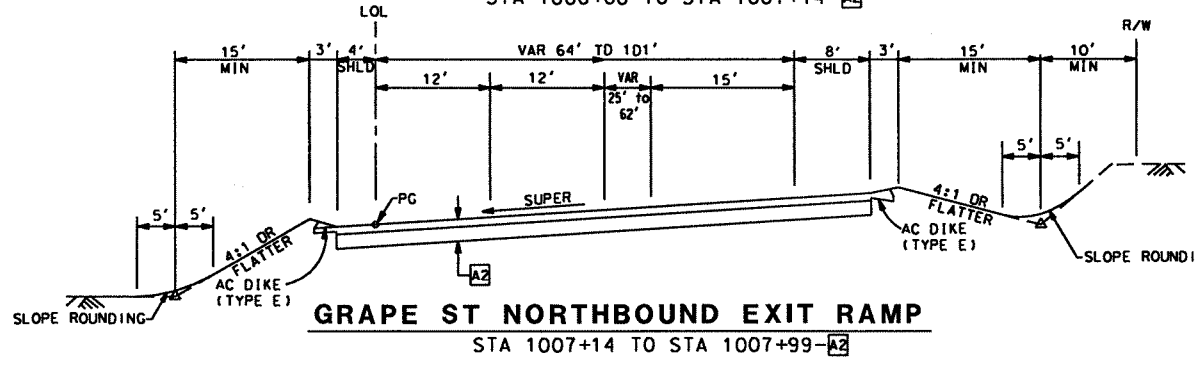
GRAPE ST NORTHBOUND EXIT RAMP
STA 991+01 TO STA 1000+01



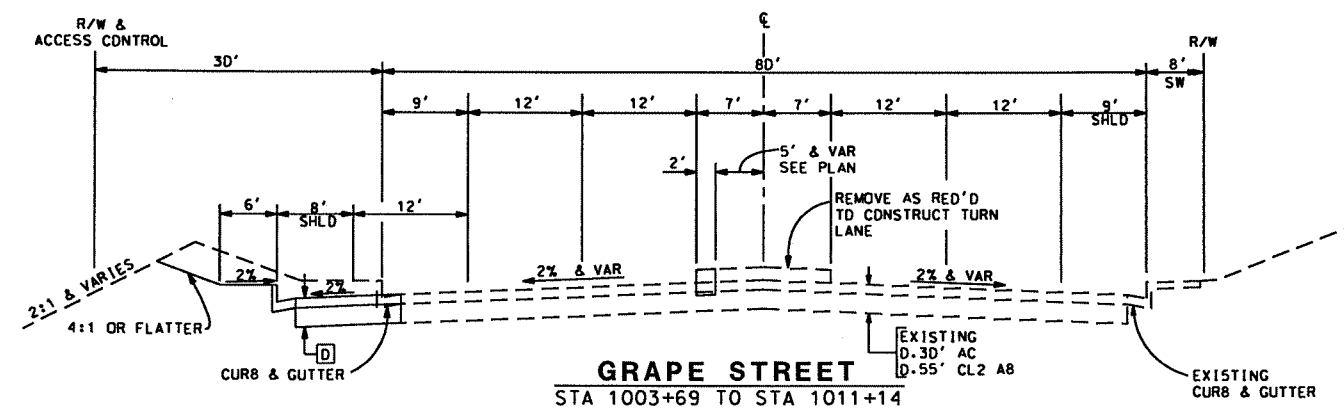
GRAPE ST NORTHBOUND EXIT RAMP
STA 1000+01 TO STA 1002+64



GRAPE ST NORTHBOUND EXIT RAMP
STA 1002+64 TO STA 1006+00-A1
STA 1006+00 TO STA 1007+14-A2



GRAPE ST NORTHBOUND EXIT RAMP
STA 1007+14 TO STA 1007+99-A2



GRAPE STREET
STA 1003+69 TO STA 1011+14

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SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER
R. S. CHAVEZ
No. 41904
Exp. 3/31/16
CIVIL
STATE OF CALIFORNIA

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08	RIV	15	18.3/21.0		

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APPLE VALLEY, CA 92307

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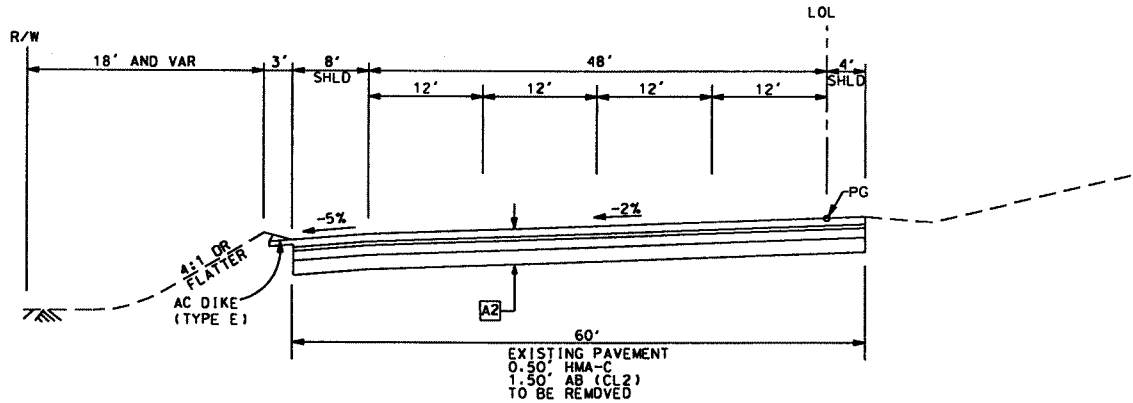
R. S. CHAVEZ

No. 41904

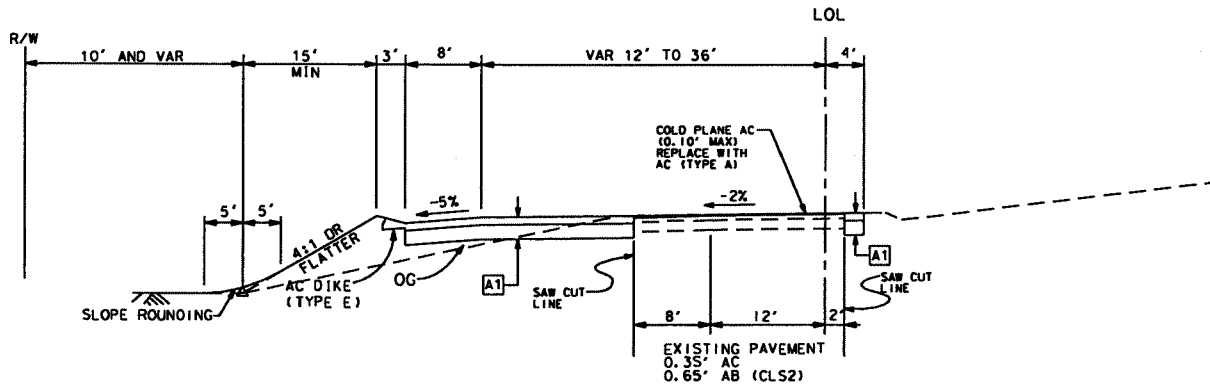
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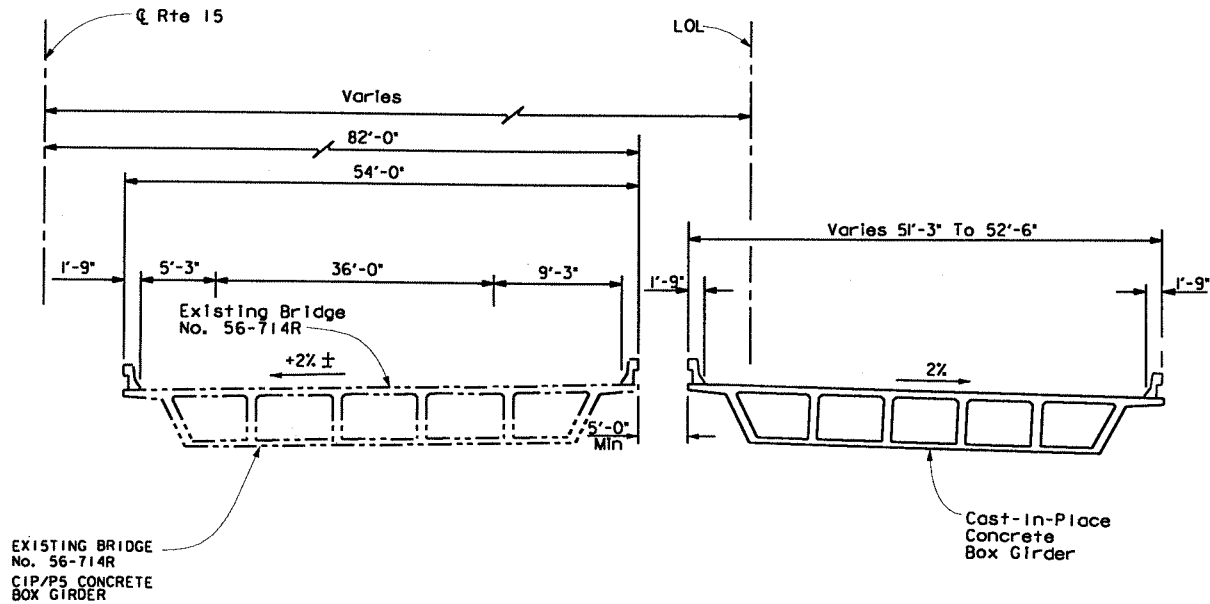
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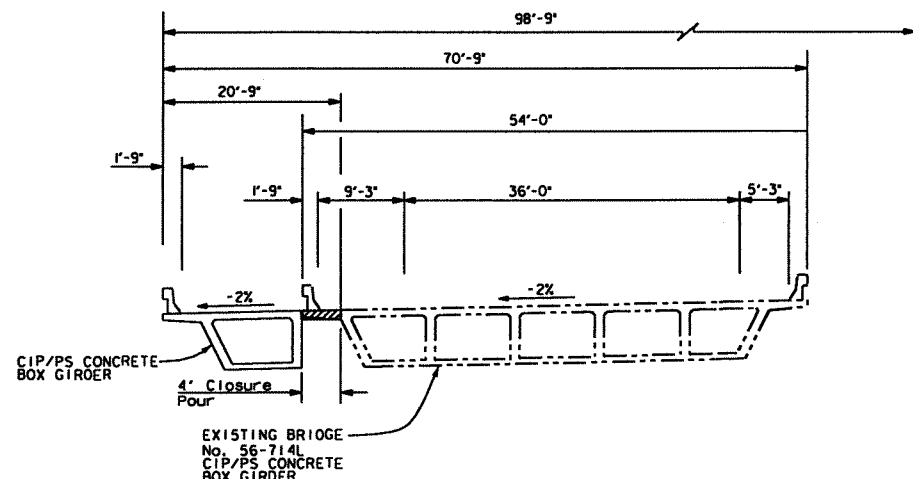
RAILROAD CANYON RD SOUTHBOUND EXIT RAMP
STA 1012+60 TO 1014+60



RAILROAD CANYON RD SOUTHBOUND ENTRANCE RAMP
STA 993+72 TO STA 1011+53



RAILROAD CANYON ROAD
GRAPE ST NORTHBOUND ENTRANCE BRIDGE
STA 1012+47 TO STA 1013+93



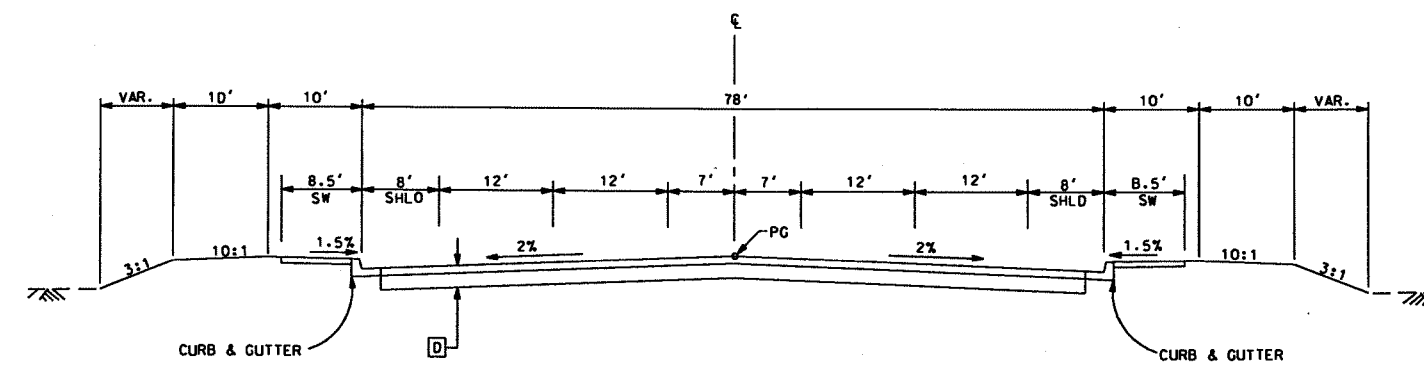
RAILROAD CANYON ROAD BRIDGE UC (WIDEN)
CASINO RD SOUTHBOUND EXIT BRIDGE
STA 1011+86 TO STA 1013+33

DATE
REVISED BY
DATE
REVISED

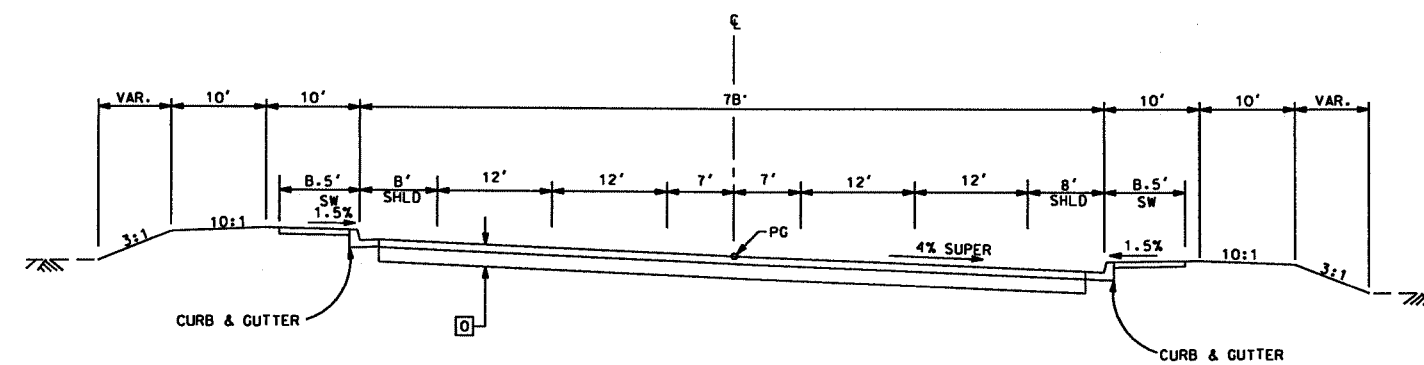
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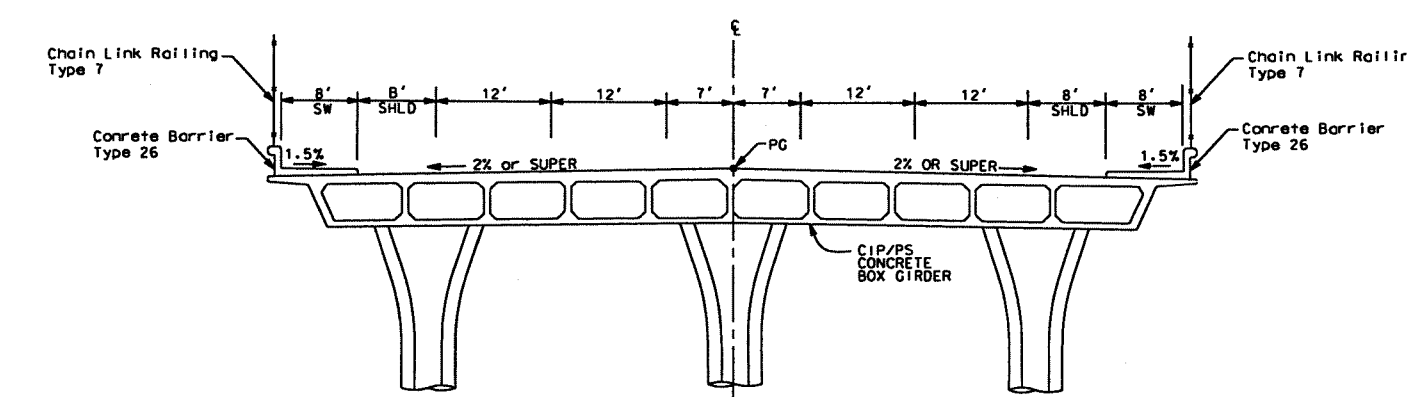
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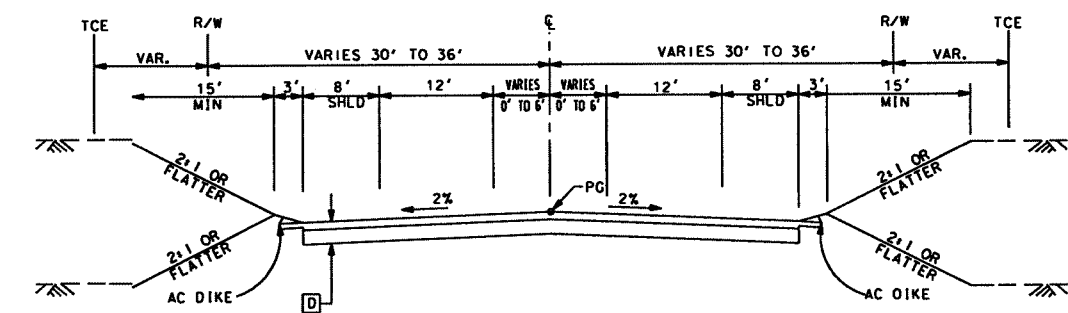
FRANKLIN STREET
STA 20+50 TO STA 21+90
STA 27+42 TO STA 35+75



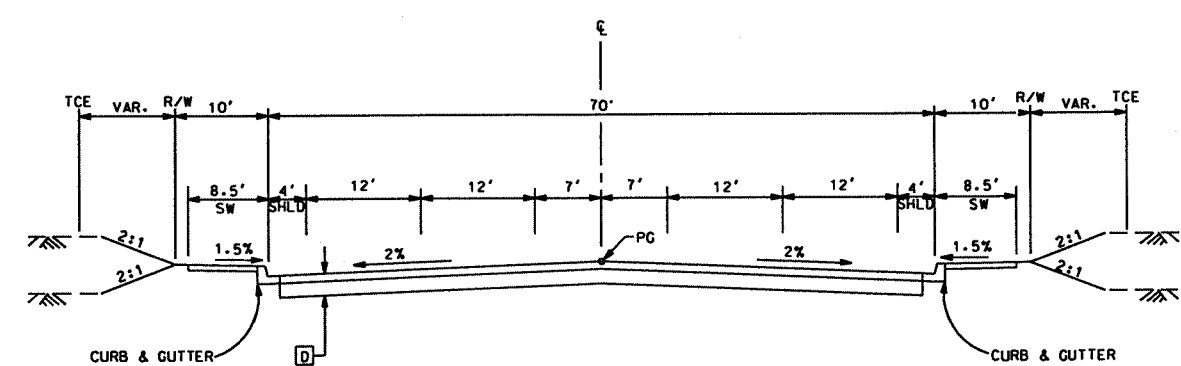
FRANKLIN STREET
STA 21+90 TO STA 27+42



FRANKLIN STREET BRIDGE
STA 27+43.80 TO STA 30+06.37



AUTO CENTER DRIVE
STA 13+77 TO STA 44+04
CITY JURISDICTION



AUTO CENTER DRIVE
STA 5+00 TO STA 12+50
CITY JURISDICTION

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

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RIVERSIDE, CA 92501

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16096 CHIMI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER

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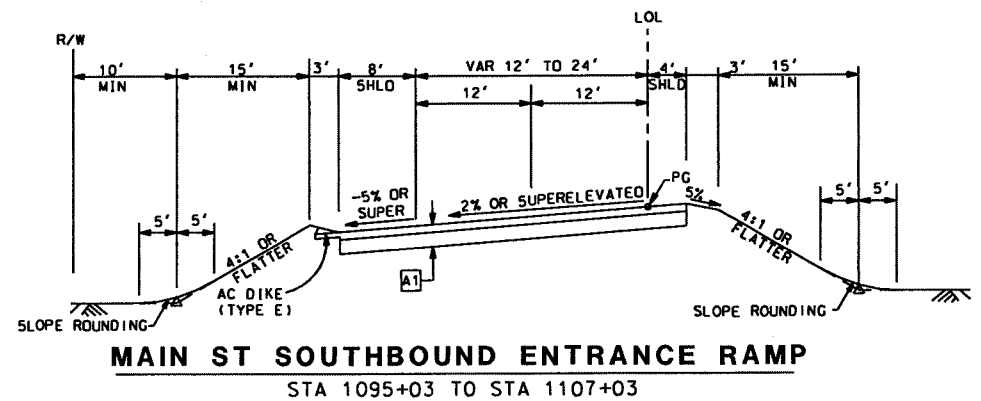
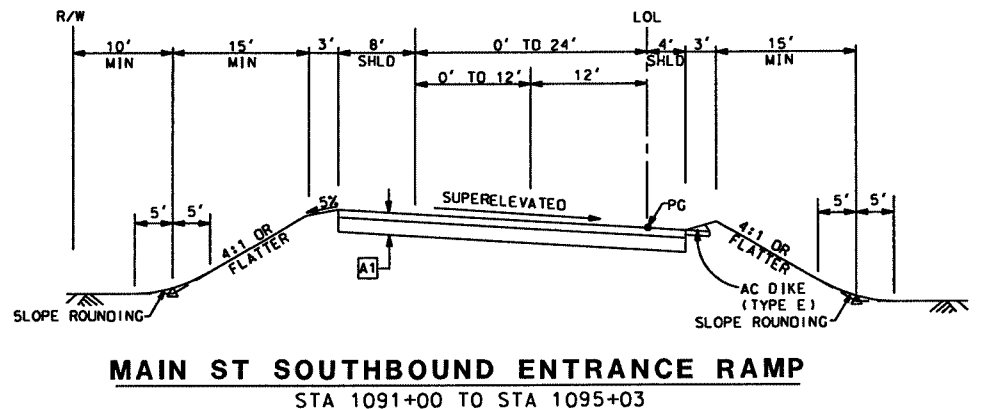
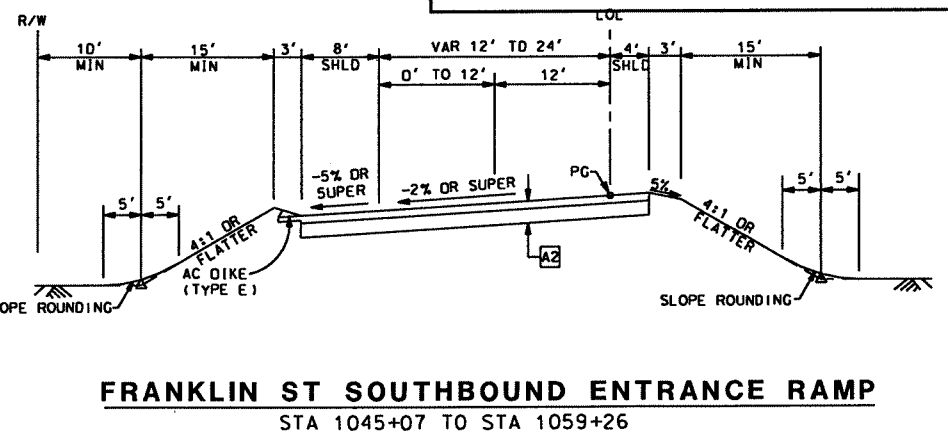
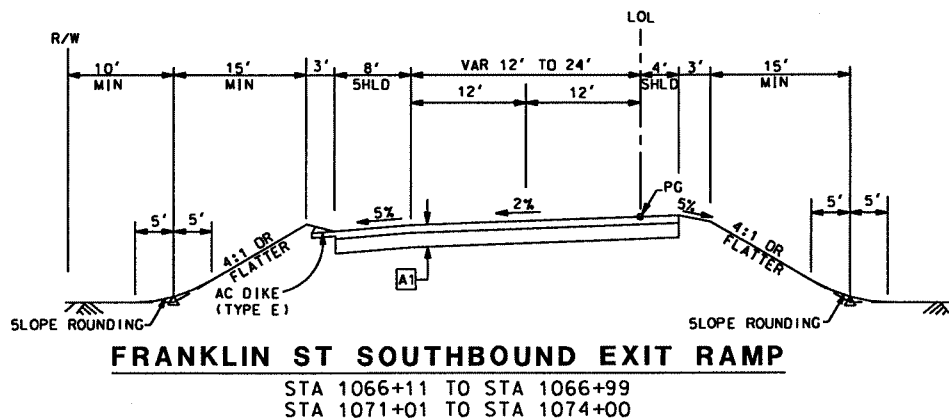
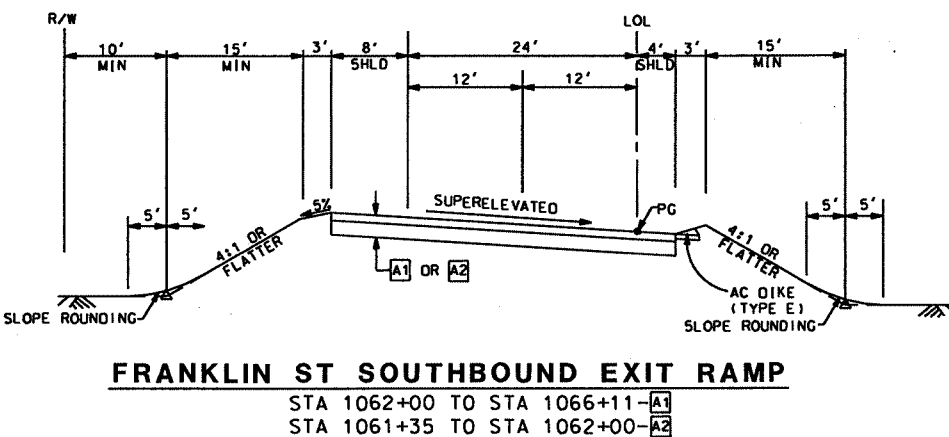
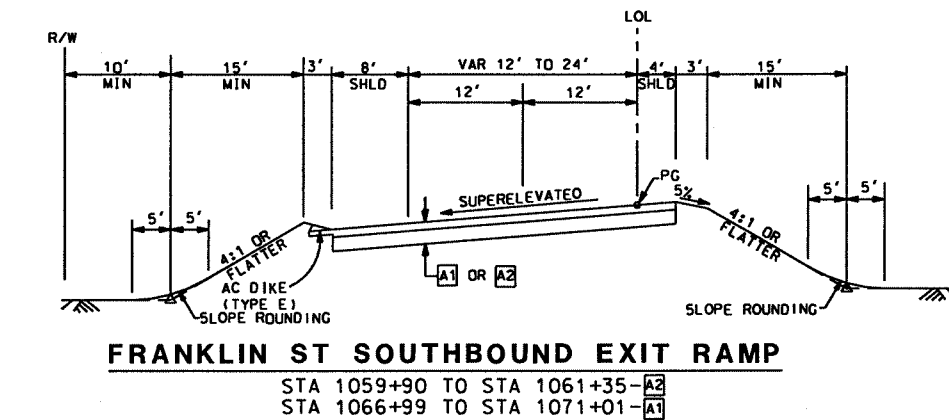
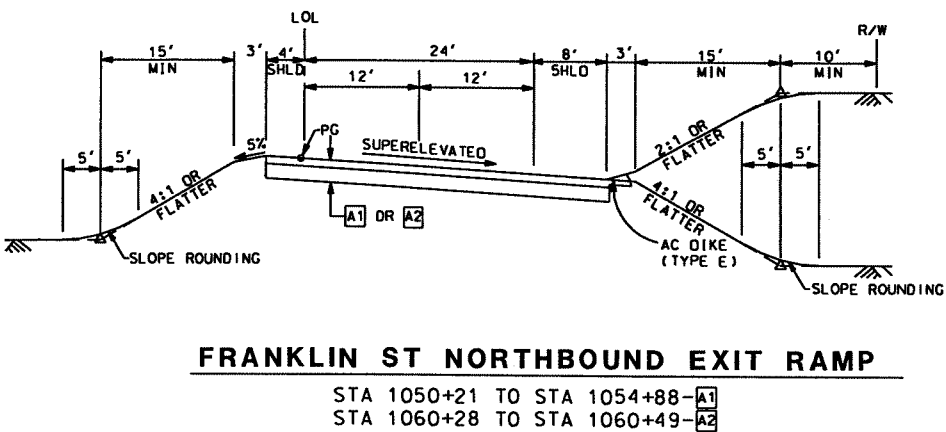
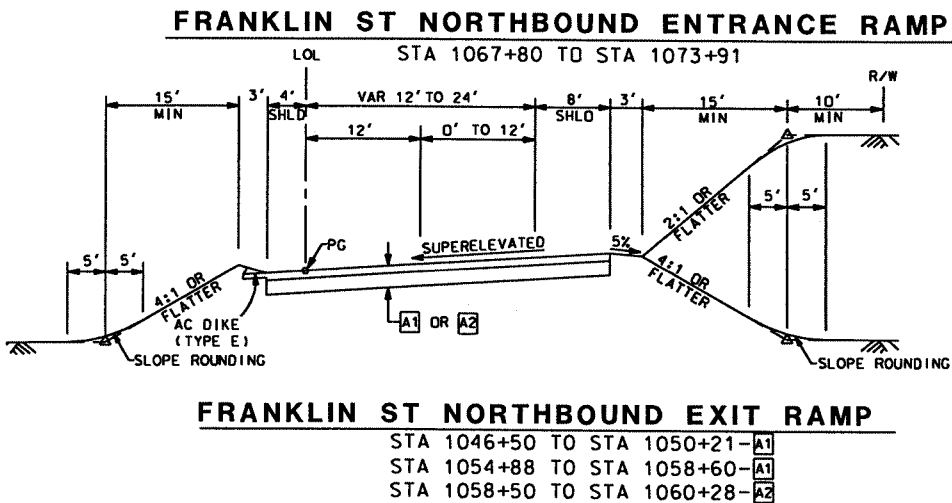
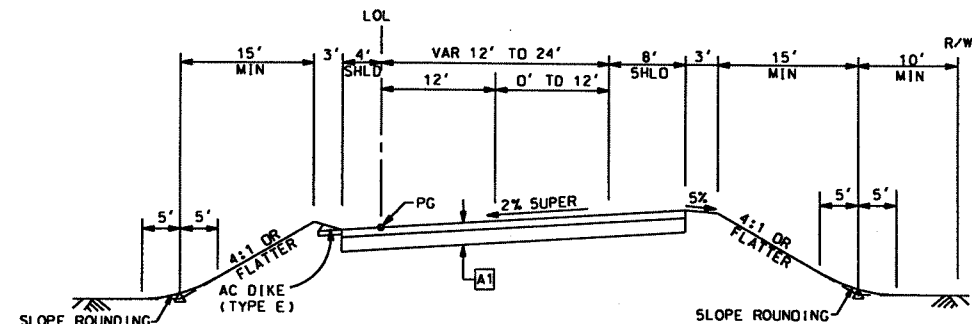
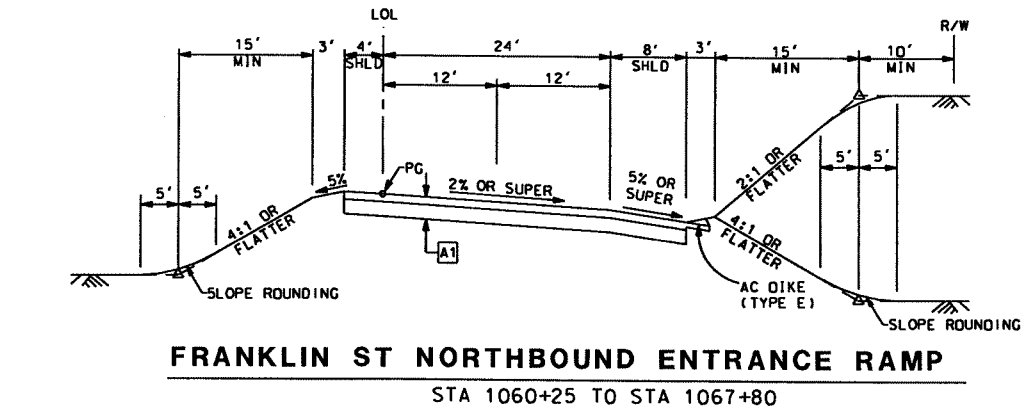
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APPLE VALLEY, CA 92307



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OIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
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16096 CHIWI ROAD
APPLE VALLEY, CA 92307

REGISTERED PROFESSIONAL ENGINEER

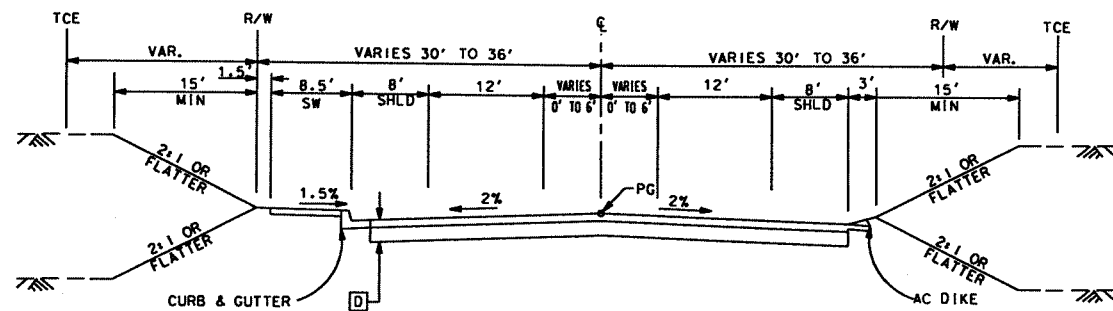
R. S. CHAVEZ

No. 41904

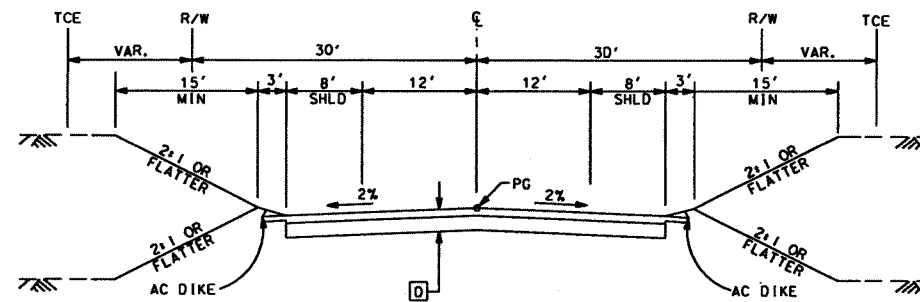
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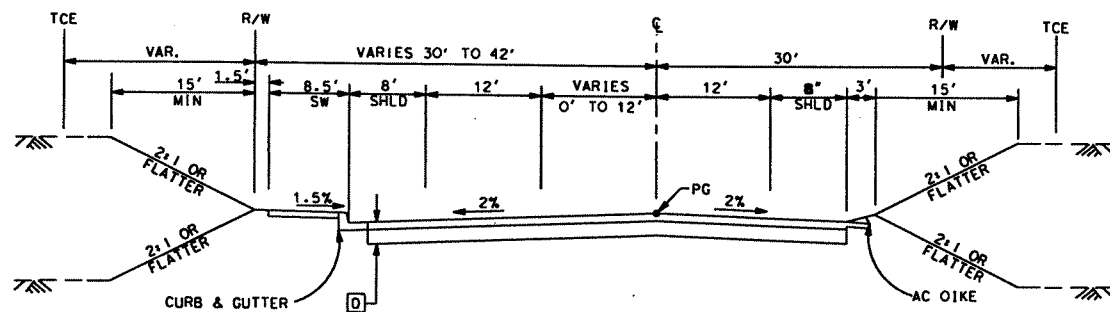
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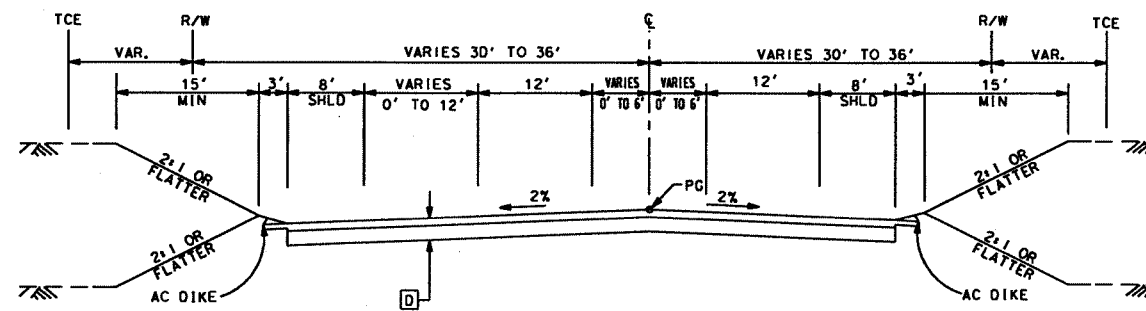
CANYON ESTATES DRIVE
STA 20+87 TO STA 26+27



CAMINO DEL NORTE
STA 35+03 TO STA 58+03

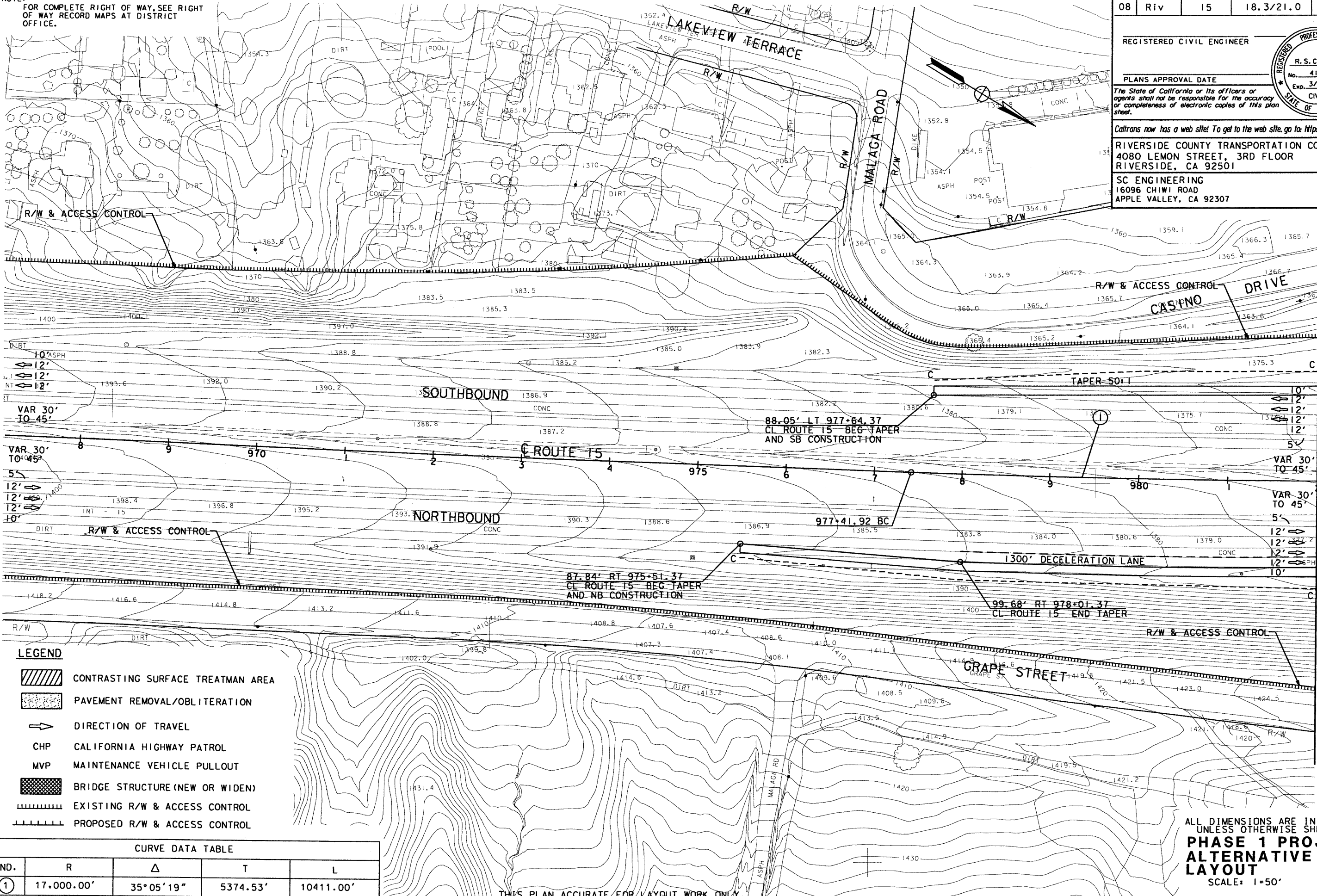


CANYON ESTATES DRIVE
STA 10+45 TO STA 20+87



CAMINO DEL NORTE
STA 27+55 TO STA 35+03

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.



- LEGEND**
- CONTRASTING SURFACE TREATMENT AREA
 - PAVEMENT REMOVAL/OBLITERATION
 - DIRECTION OF TRAVEL
 - CHP CALIFORNIA HIGHWAY PATROL
 - MVP MAINTENANCE VEHICLE PULLOUT
 - BRIDGE STRUCTURE (NEW OR WIDEN)
 - EXISTING R/W & ACCESS CONTROL
 - PROPOSED R/W & ACCESS CONTROL

CURVE DATA TABLE				
NO.	R	Δ	T	L
1	17,000.00'	35°05'19"	5374.53'	10411.00'

DIST 08

COUNTY Riv

ROUTE 15

POST MILES TOTAL PROJECT 18.3/21.0

SHEET No

TOTAL SHEETS

REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

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4080 LEMON STREET, 3RD FLOOR

RIVERSIDE, CA 92501

SC ENGINEERING

16096 CHILI ROAD

APPLE VALLEY, CA 92307

THIS PLAN ACCURATE FOR LAYOUT WORK ONLY.

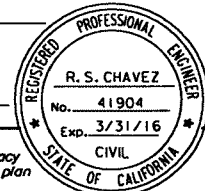
ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 2
LAYOUT**
SCALE: 1"=50'

MATCH LINE STA 982+00 SEE SHEET L-2

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER



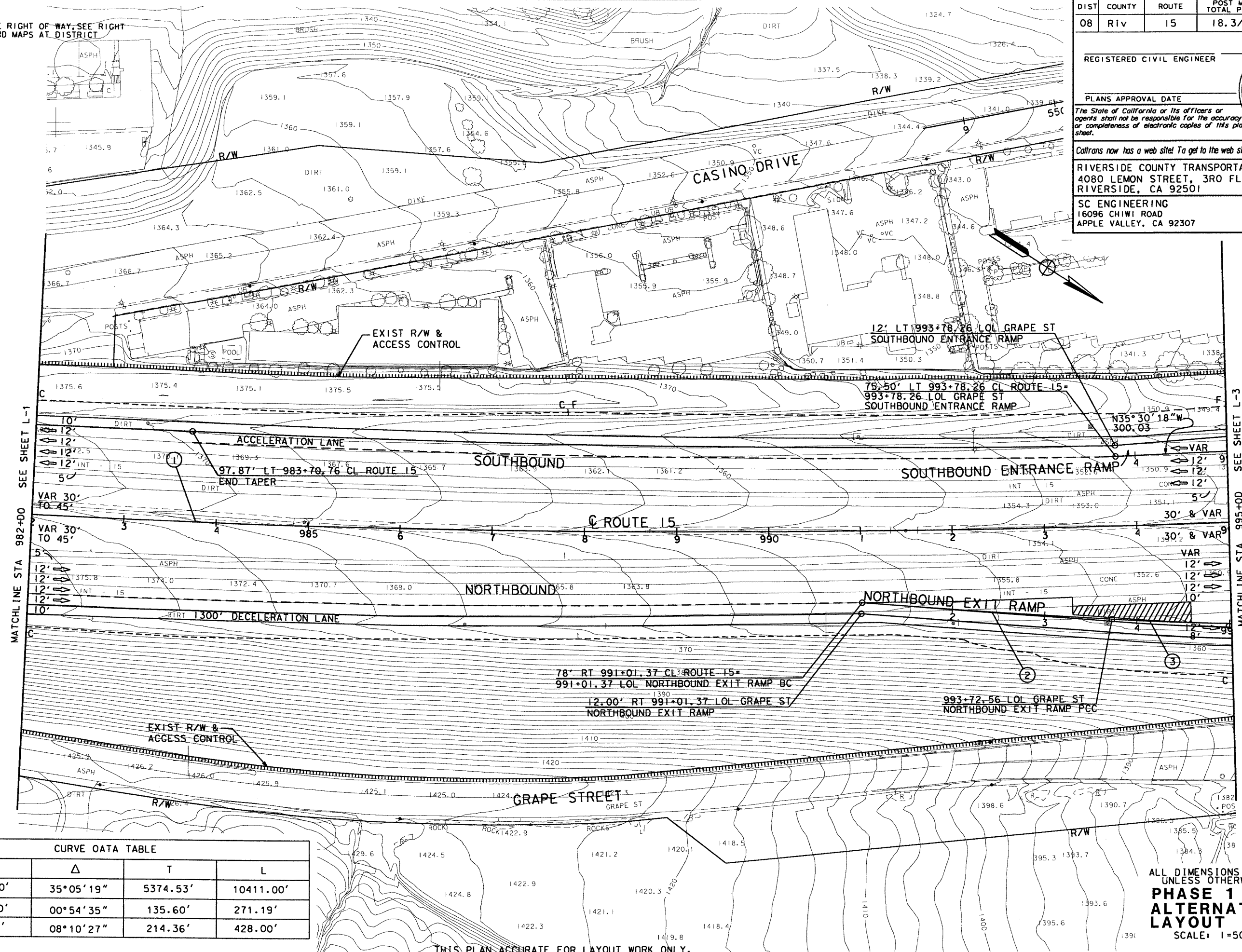
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RIVERSIDE, CA 92501

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16096 CHIWI ROAD
APPLE VALLEY, CA 92307



CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10411.00'
②	17078.00'	00°54'35"	135.60'	271.19'
③	3000.00'	08°10'27"	214.36'	428.00'

ALL DIMENSIONS ARE IN FEET
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**PHASE 1 PROJECT
ALTERNATIVE 2
LAYOUT**

SCALE: 1"=50'

L-2

DATE REVISIONS BY
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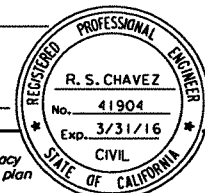
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NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER



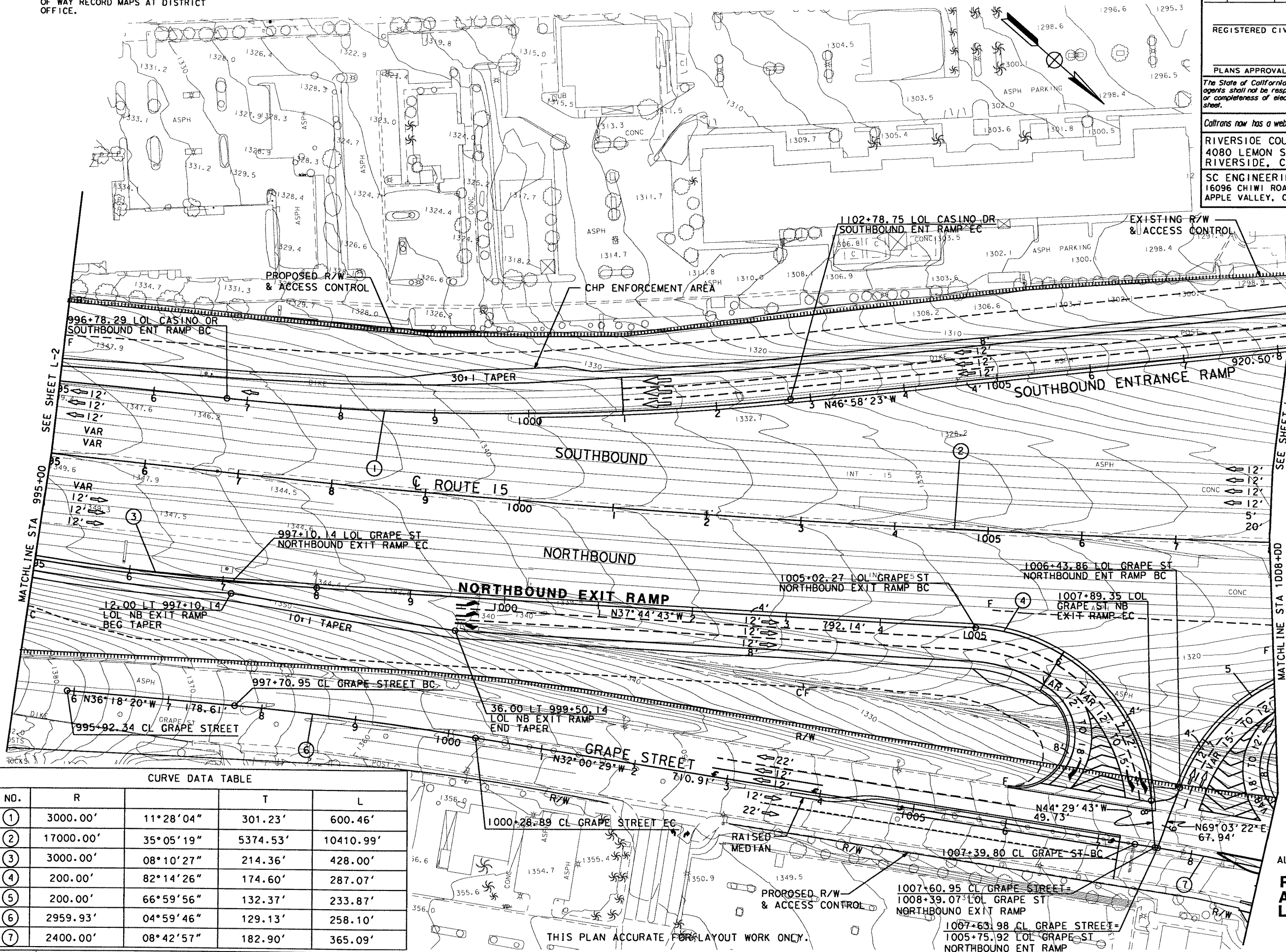
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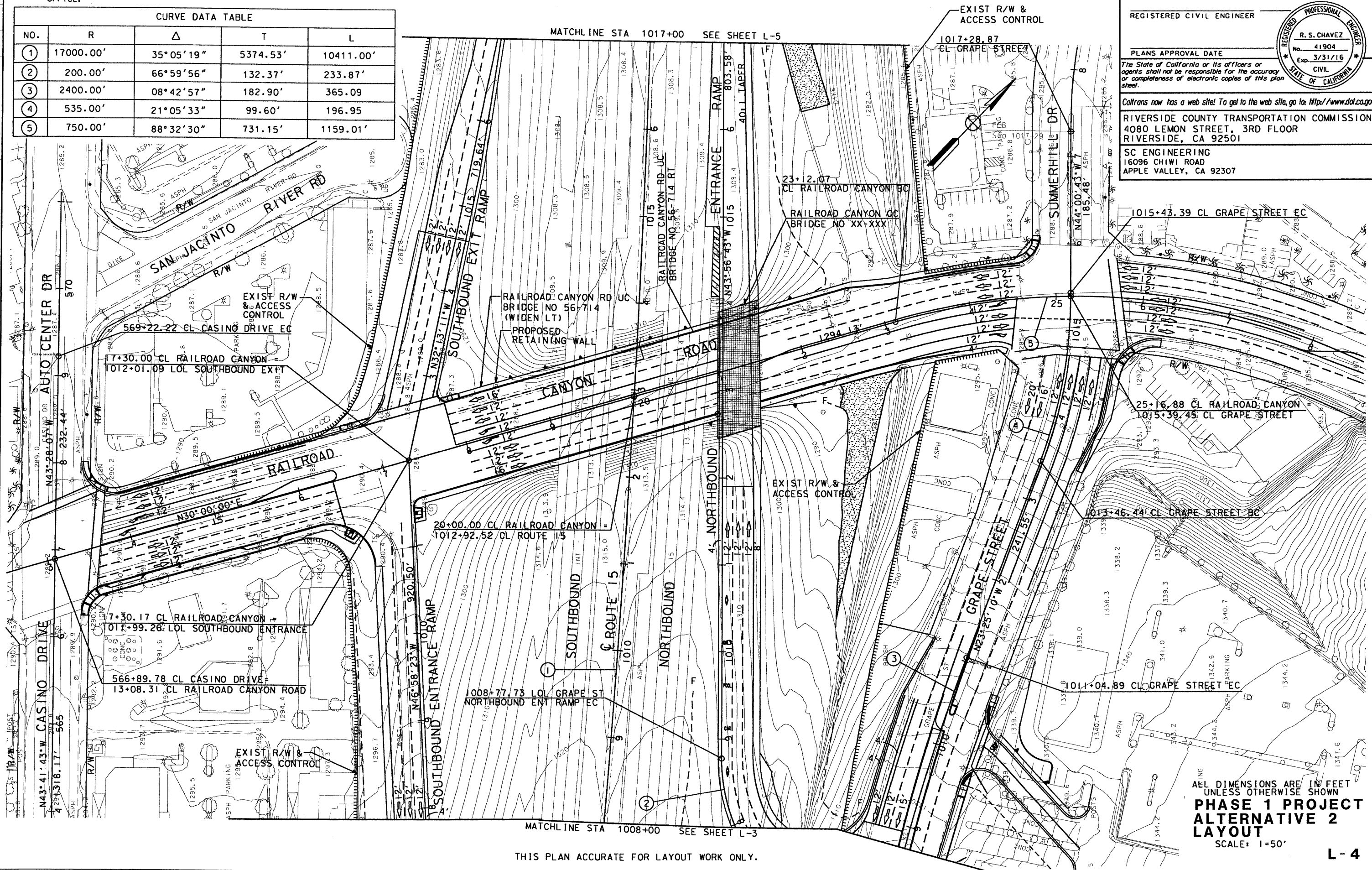
ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 2
LAYOUT**
SCALE: 1"=50'

L-3

NOTE:
FOR COMPLETE RIGHT OF WAY. SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

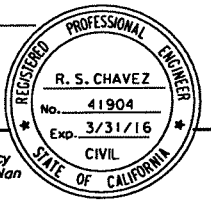
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②	200.00'	66° 59' 56"	132.37'	233.87'
③	2400.00'	08° 42' 57"	182.90'	365.09
④	535.00'	21° 05' 33"	99.60'	196.95
⑤	750.00'	88° 32' 30"	731.15'	1159.01'

MATCHLINE STA 1017+00 SEE SHEET L-5



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
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ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

**PHASE 1 PROJECT
ALTERNATIVE 2
LAYOUT**

SCALE: 1"=50'

L-4

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
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PROFESSIONAL ENGINEER

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16096 CHIWI ROAD

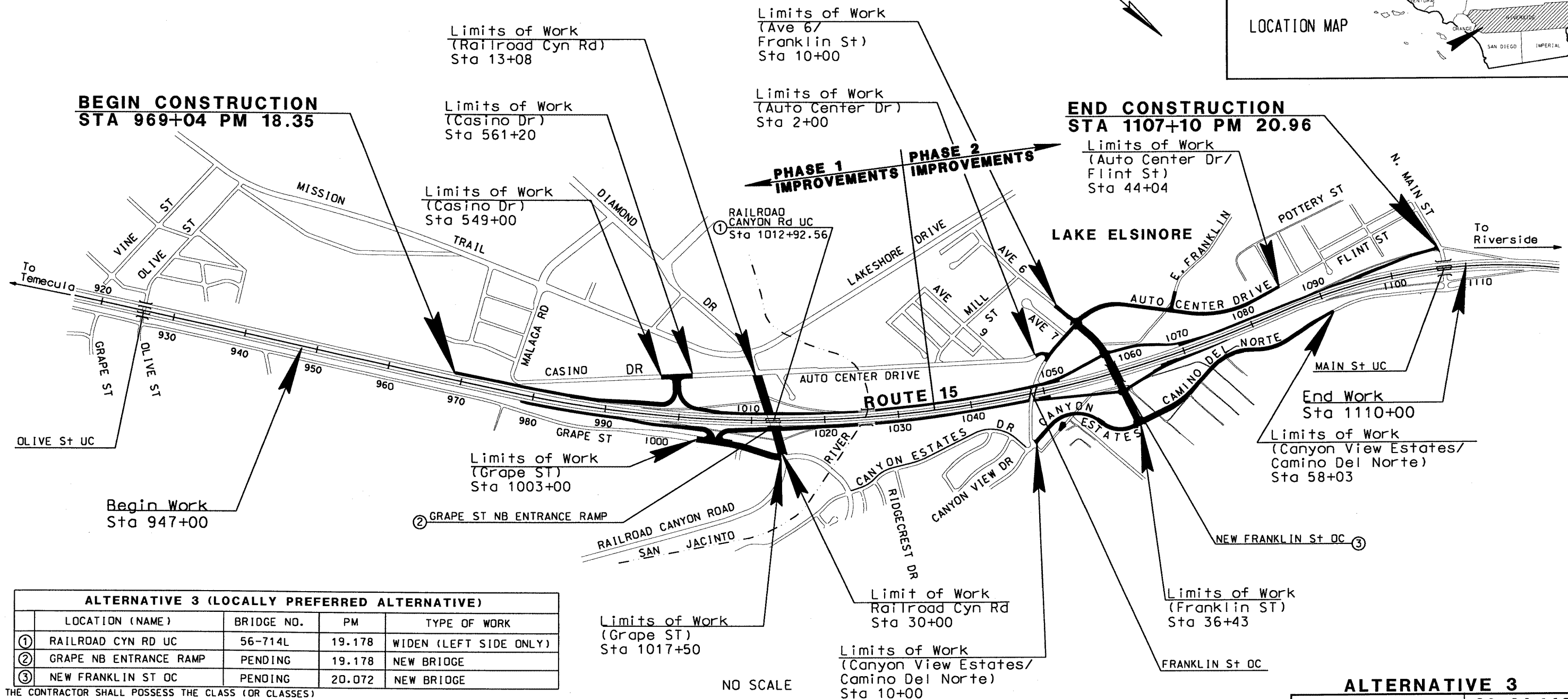
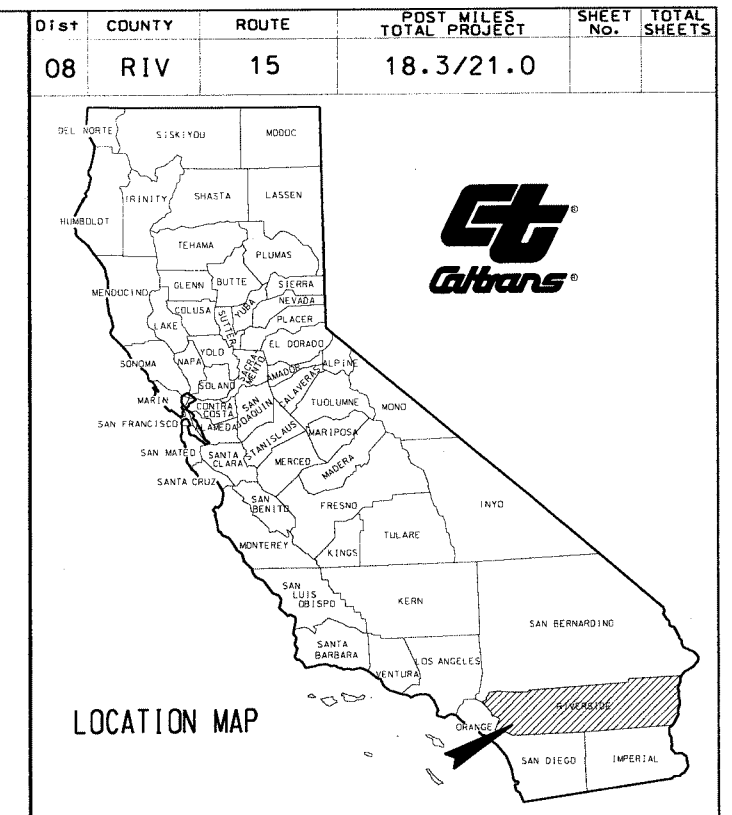
APPLE VALLEY, CA 92307

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10411.00'
②	2000.00'	07°35'22"	132.66'	264.92'
③	17071.00'	01°34'23"	234.36'	468.69'

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 2
LAYOUT**
SCALE: 1"=50'

THIS PLAN ACCURATE FOR LAYOUT WORK ONLY.

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2010



ALTERNATIVE 3 (LOCALLY PREFERRED ALTERNATIVE)				
	LOCATION (NAME)	BRIDGE NO.	PM	TYPE OF WORK
①	RAILROAD CYN RD UC	56-714L	19.178	WIDEN (LEFT SIDE ONLY)
②	GRAPE NB ENTRANCE RAMP	PENDING	19.178	NEW BRIDGE
③	NEW FRANKLIN ST OC	PENDING	20.072	NEW BRIDGE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES)
OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

ALTERNATIVE 3	
CONTRACT No.	08-0A4400

RAMPS
 TI (40-Year Design Life)=11.0
 Basement Soil R Value (Preliminary)=40

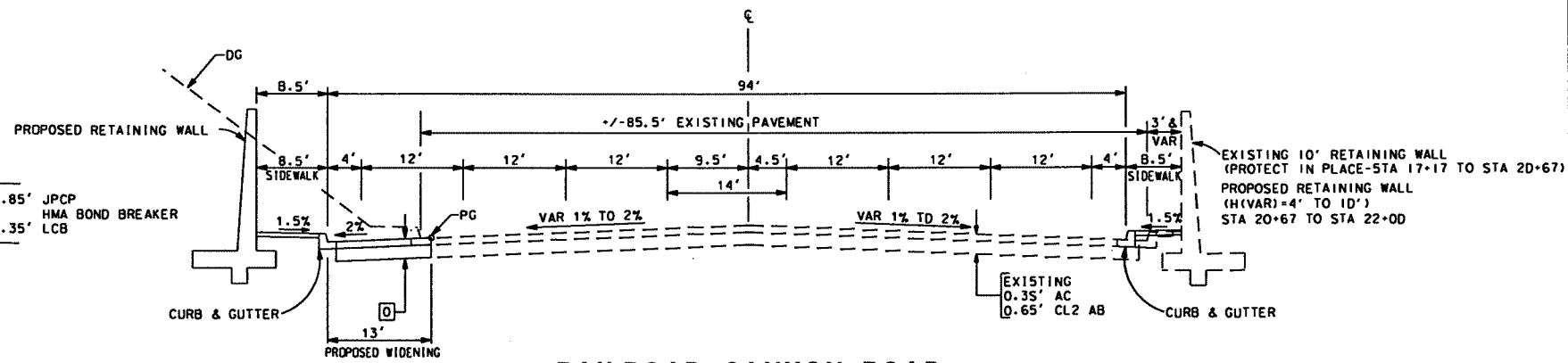
AUXILIARY LANE
 TI (40-Year Design Life)=17.0
 Basement Soil R Value (Preliminary)=40

T1 (40-Year Design Life)=10.5
Basement Soil R Value (Preliminary)=40

LOCAL ROADS

T1 (20-Year Design Life)=9.0
Basement Soil R Value (Preliminary)=40

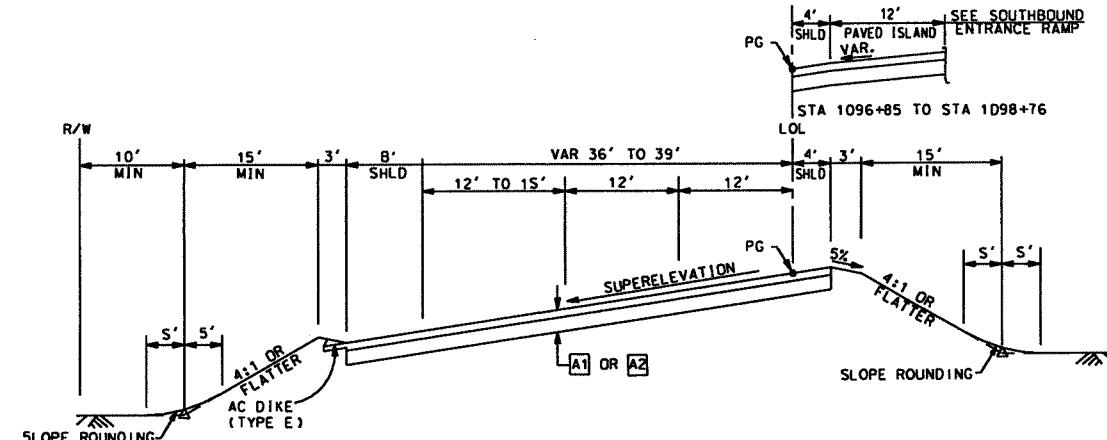
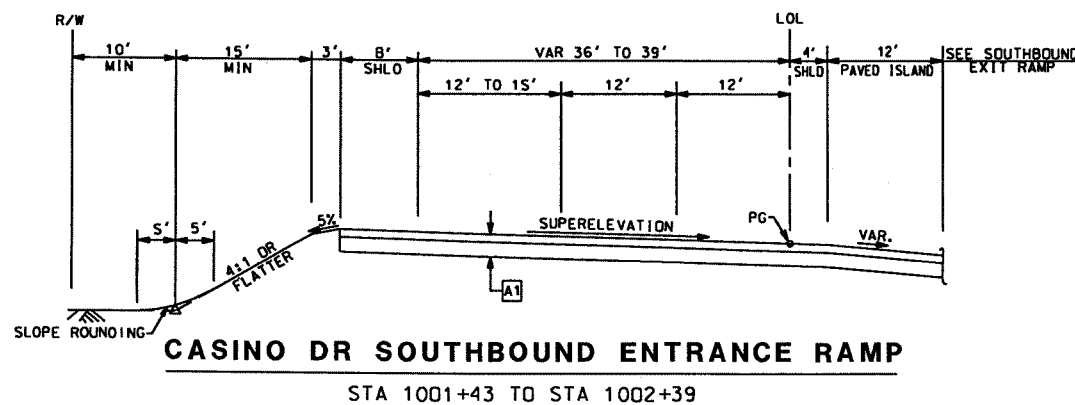
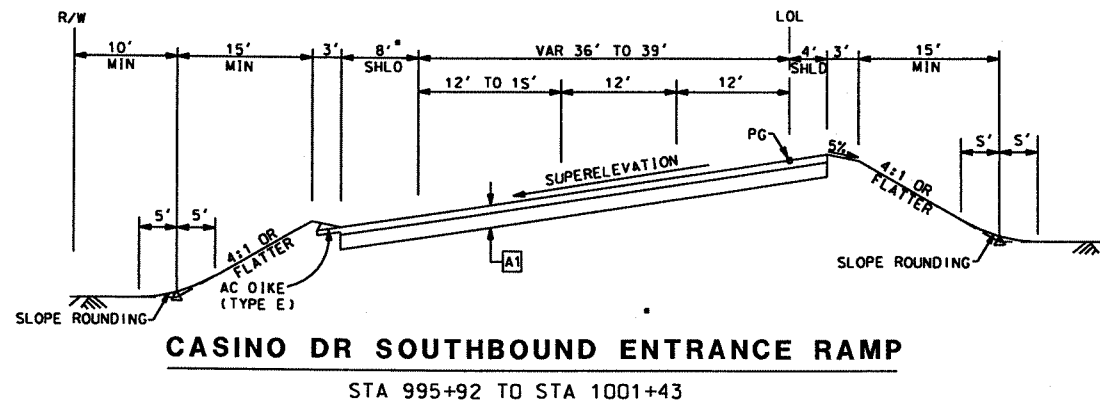
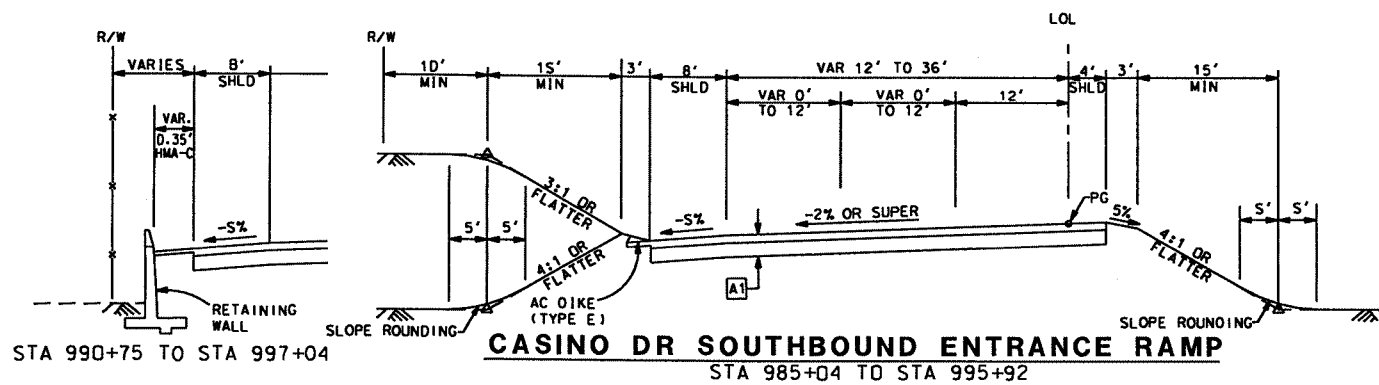
LOCAL ROADS
 TI (20-Year Design Life)=9.0
 Basement Soil R Value (Preliminary)=40



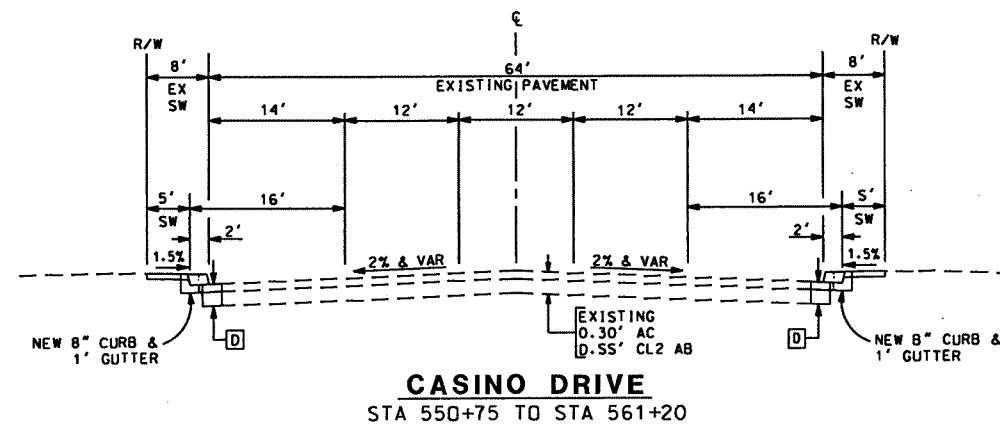
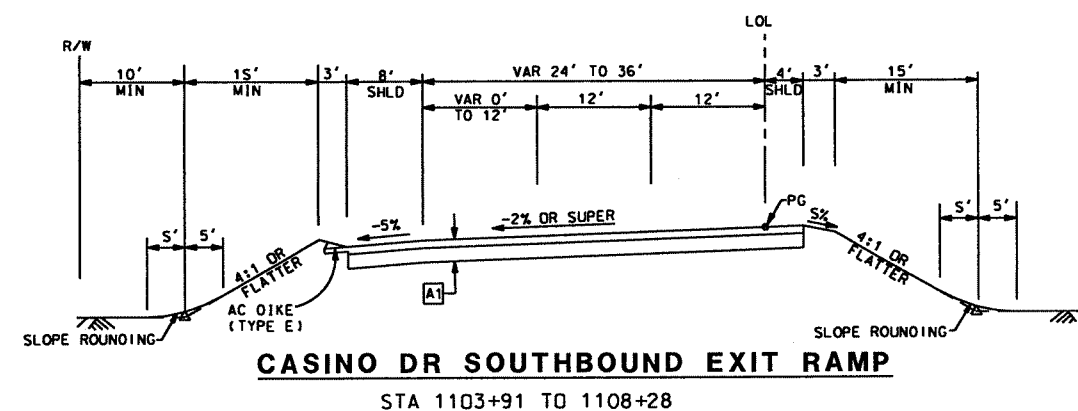
```

13+64.00 TO 18+24.90
18+24.90 TO 22+25.00 (RET WALL-LT)
22+25.00 TO 24+84.02

```



STA 1096+85 TO STA 1099+00-**A2**
STA 1099+00 TO STA 1103+91-**A1**



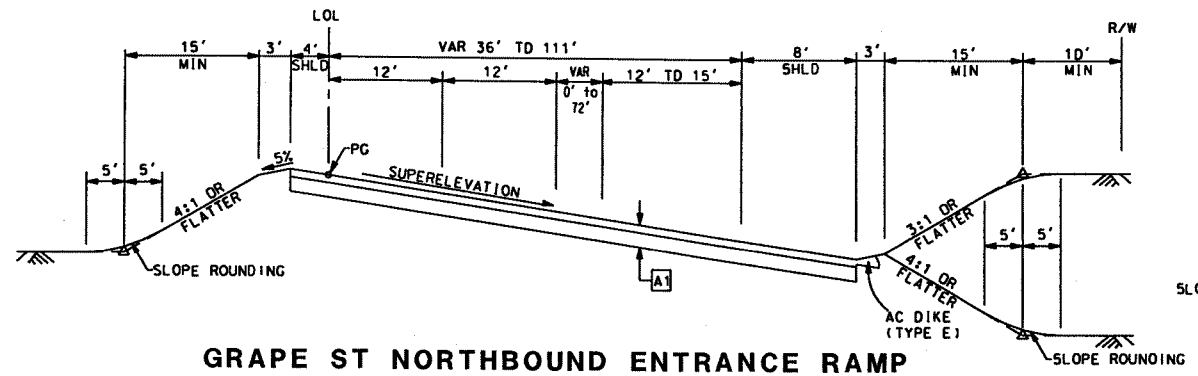
ALTERNATIVE 3 TYPICAL CROSS SECTIONS

DATE
REVISED BY
DATE
REVISED

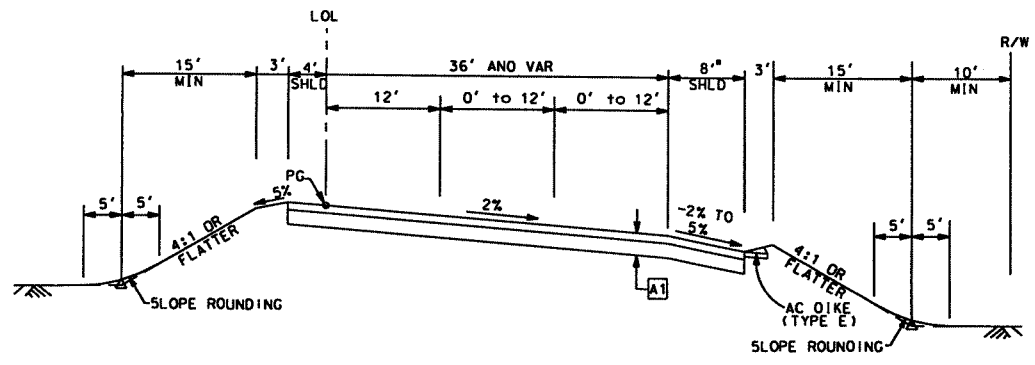
CALCULATED/
DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
DU LU

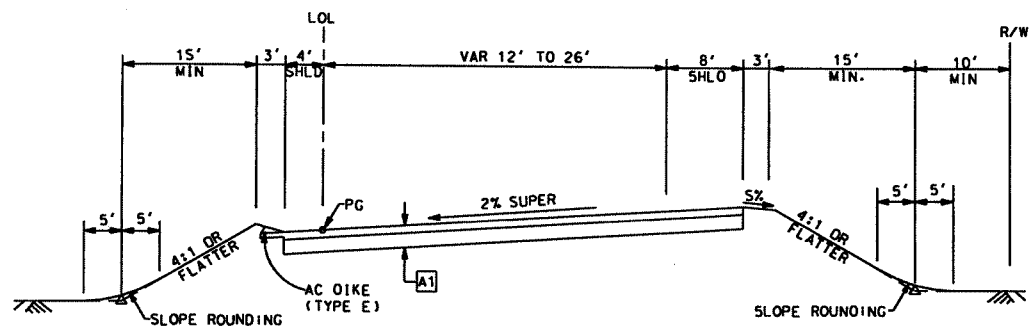
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



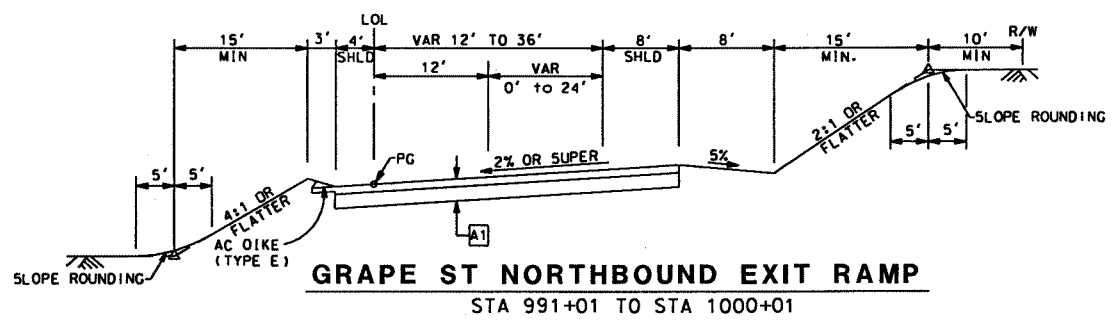
GRAPE ST NORTHBOUND ENTRANCE RAMP
STA 1006+15 TO STA 1010+28



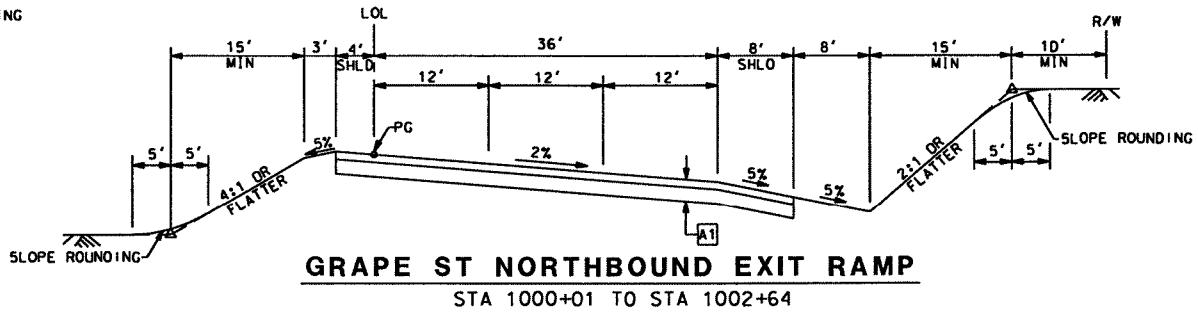
GRAPE ST NORTHBOUND ENTRANCE RAMP
STA 1010+28 TO STA 1015+81



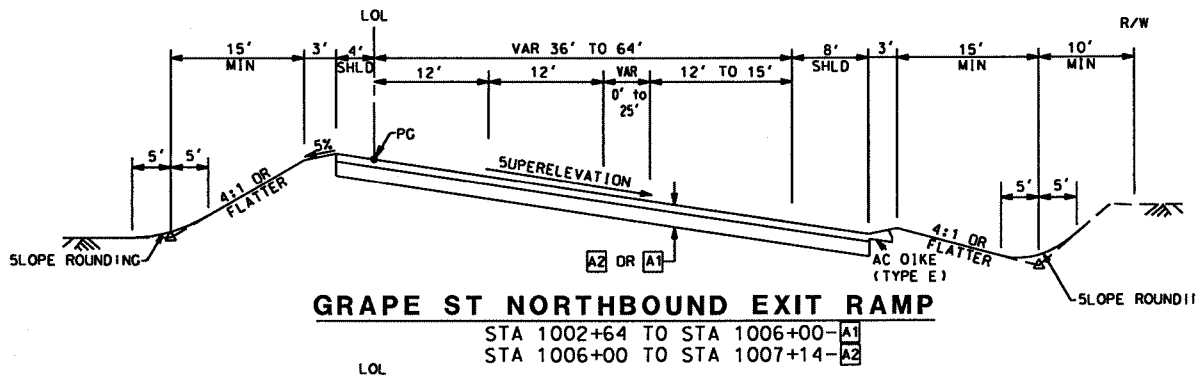
GRAPE ST NORTHBOUND ENTRANCE RAMP
STA 1015+81 TO STA 1021+50



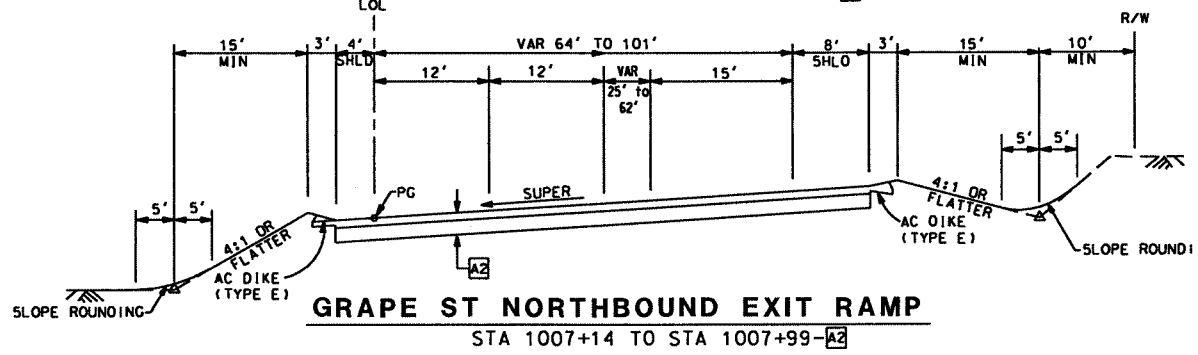
GRAPE ST NORTHBOUND EXIT RAMP
STA 991+01 TO STA 1000+01



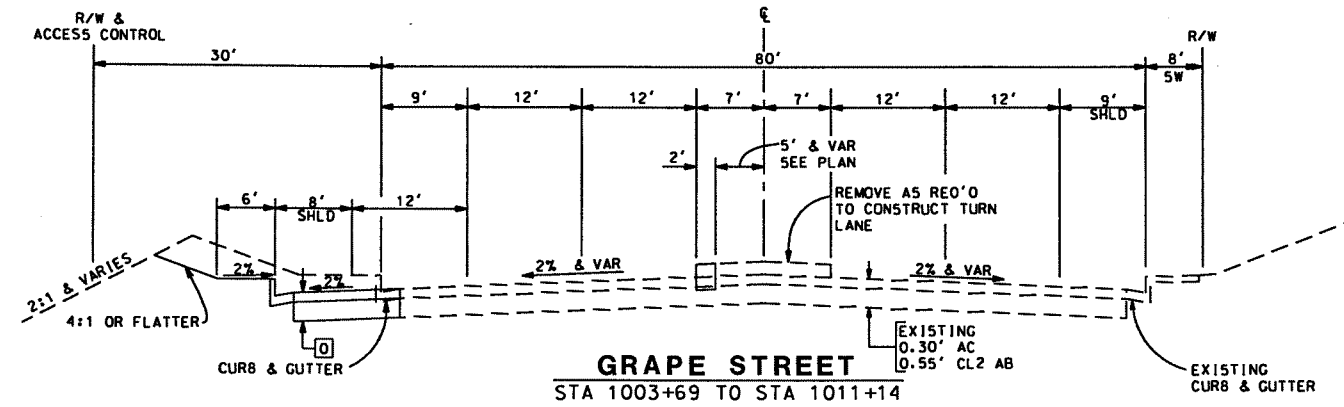
GRAPE ST NORTHBOUND EXIT RAMP
STA 1000+01 TO STA 1002+64



GRAPE ST NORTHBOUND EXIT RAMP
STA 1002+64 TO STA 1006+00-A1
STA 1006+00 TO STA 1007+14-A2



GRAPE ST NORTHBOUND EXIT RAMP
STA 1007+14 TO STA 1007+99-A2



GRAPE STREET
STA 1003+69 TO STA 1011+14

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

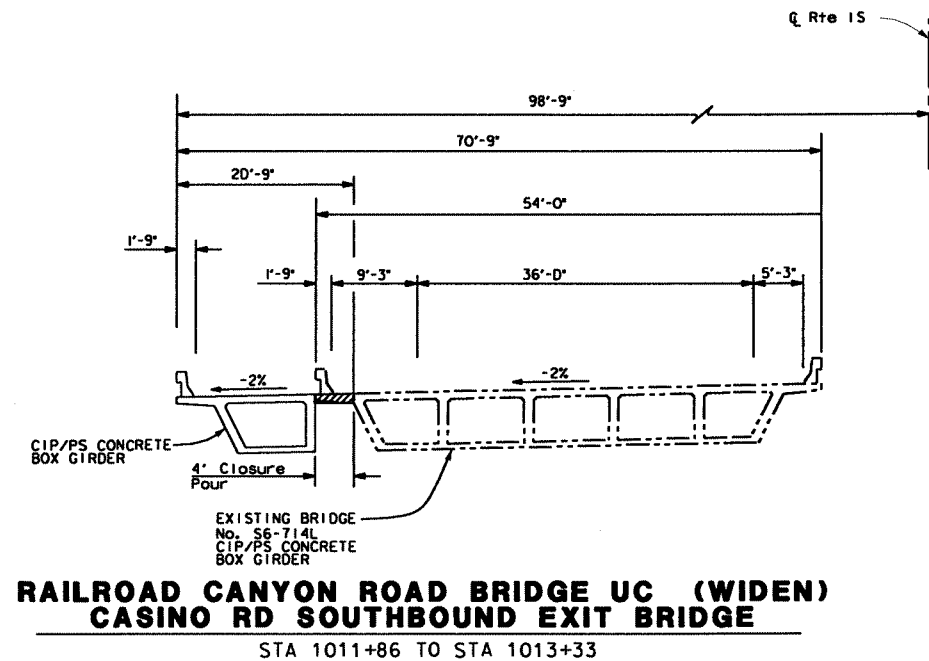
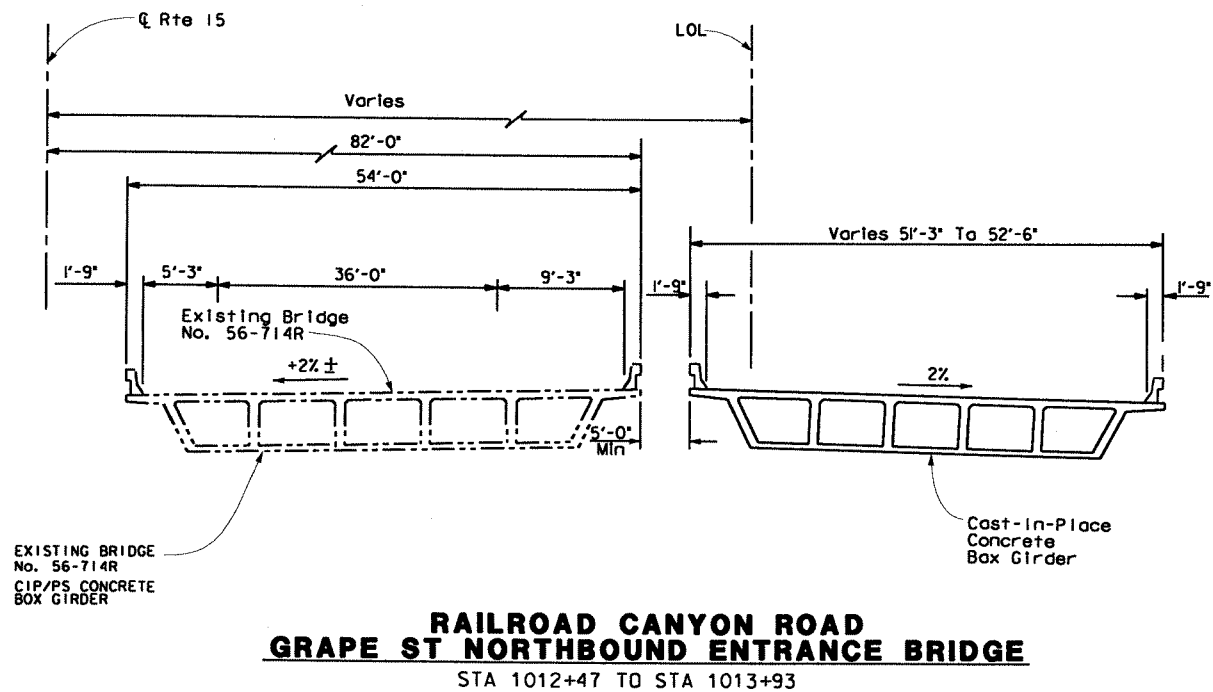
No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

ALTERNATIVE 3
TYPICAL CROSS SECTIONS
NO SCALE
X-2



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

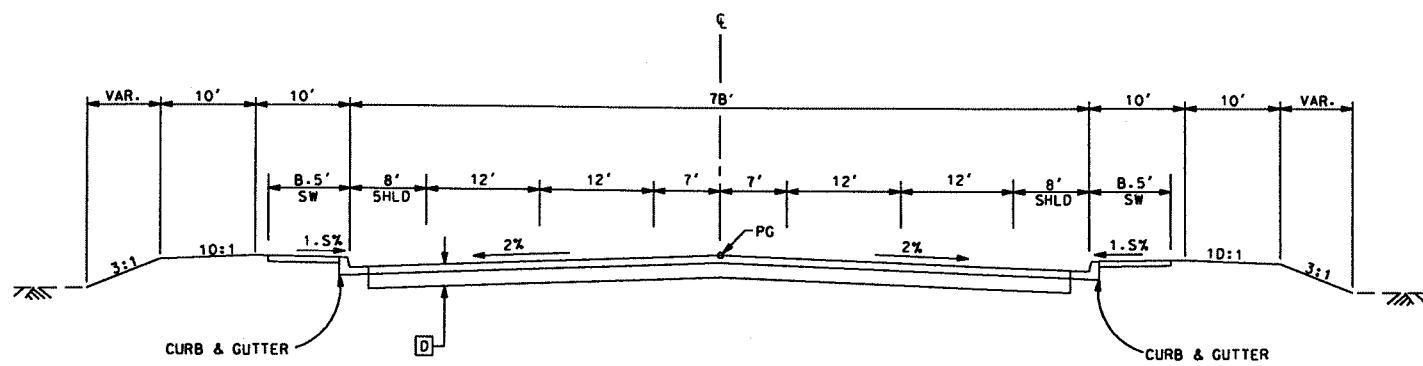
STATE OF CALIFORNIA

DATE REVISION BY
DATE REVISION BY

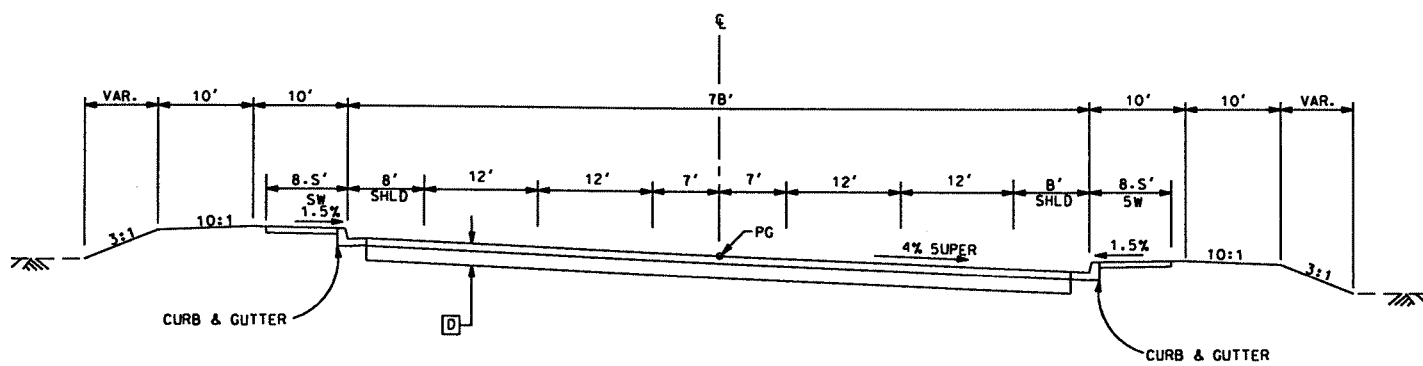
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DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
DU LU

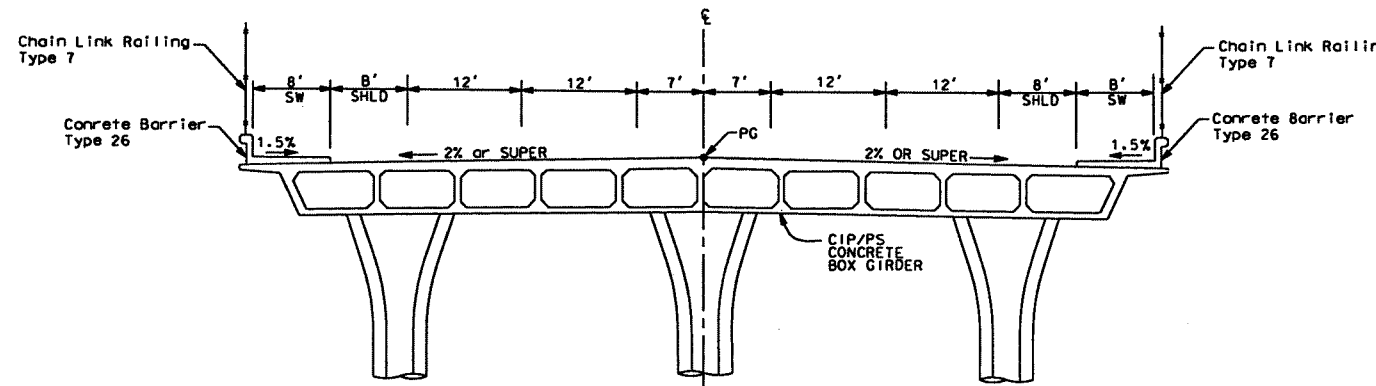
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans



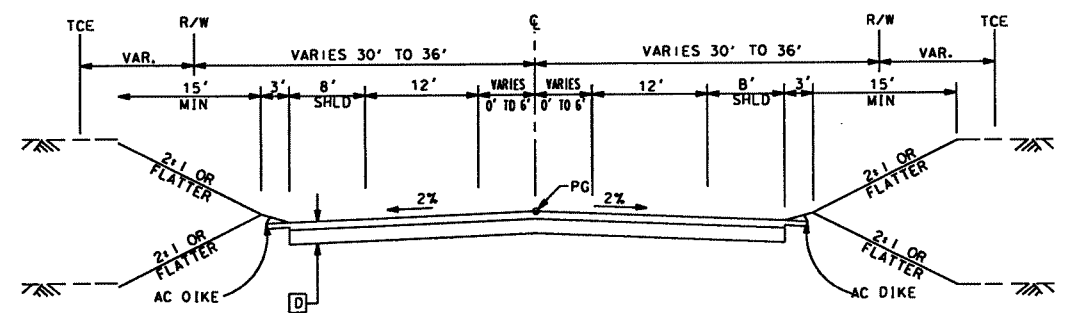
FRANKLIN STREET
STA 20+50 TO STA 21+90
STA 27+42 TO STA 35+75



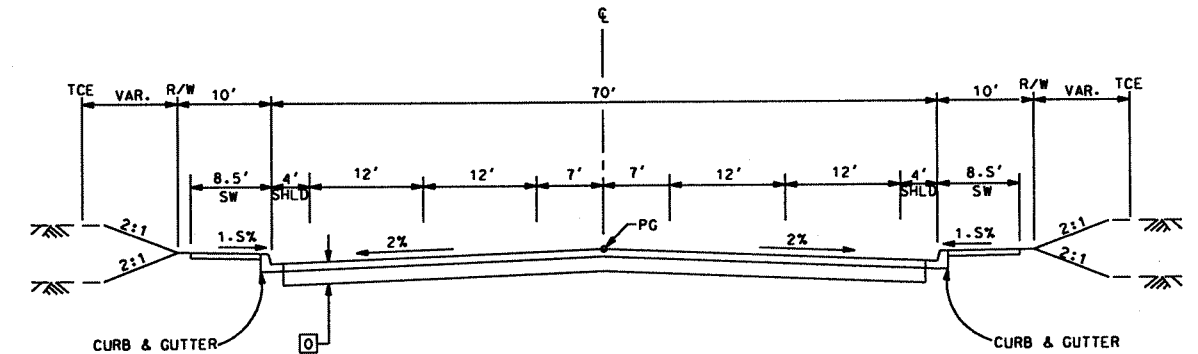
FRANKLIN STREET
STA 21+90 TO STA 27+42



FRANKLIN STREET BRIDGE
STA 27+43.80 TO STA 30+06.37



AUTO CENTER DRIVE
STA 13+77 TO STA 44+04
CITY JURISDICTION



AUTO CENTER DRIVE
STA 5+00 TO STA 12+50
CITY JURISDICTION

01ST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

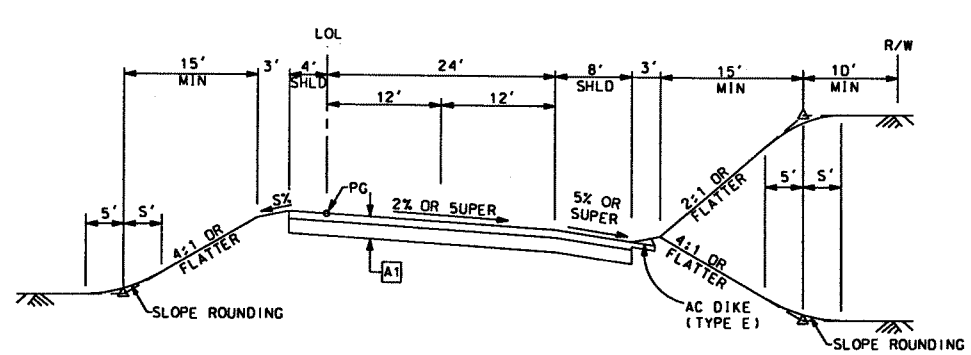
REVISOR
DATE
BY

CHECKED BY
DESIGNED BY
CALCULATED BY

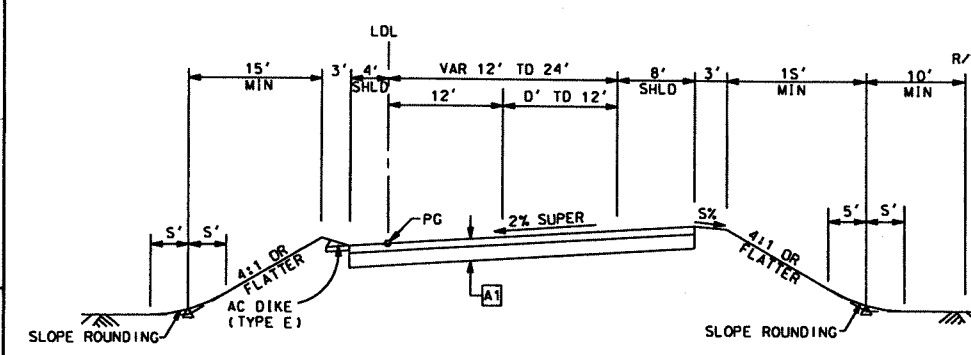
OVERSIGHT
DESIGN

TRANSPORTATION
DEPARTMENT OF CALIFORNIA

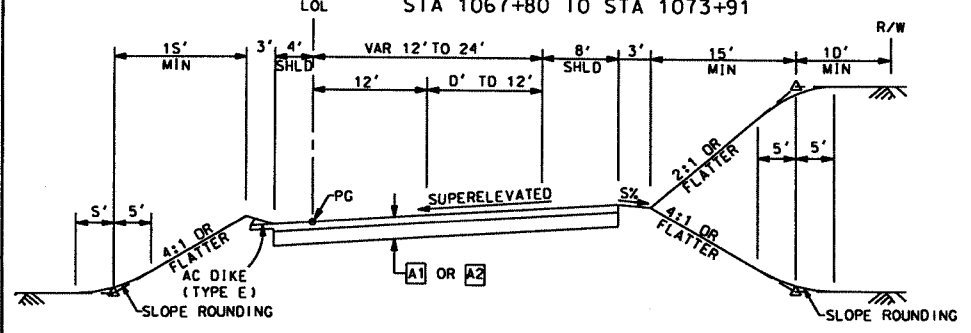
Caltrans



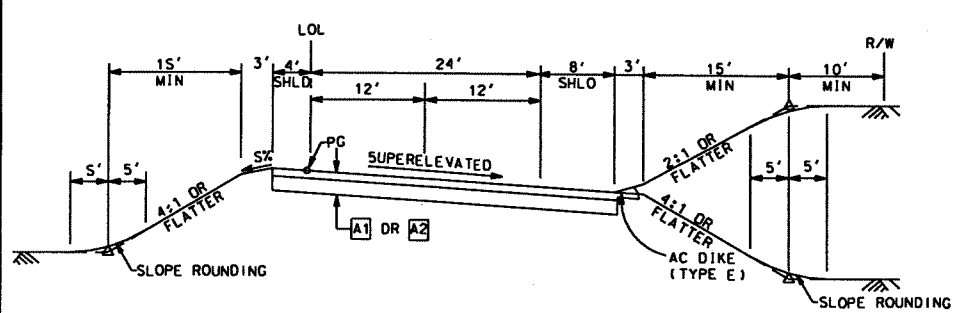
FRANKLIN ST NORTHBOUND ENTRANCE RAMP
STA 1060+25 TO STA 1067+80



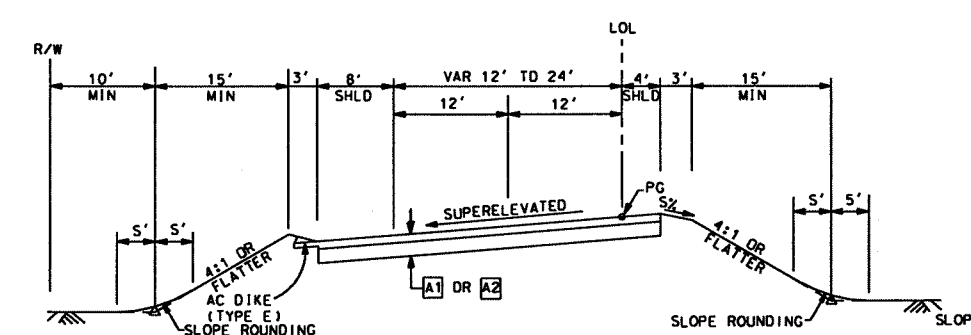
FRANKLIN ST NORTHBOUND ENTRANCE RAMP
STA 1067+80 TO STA 1073+91



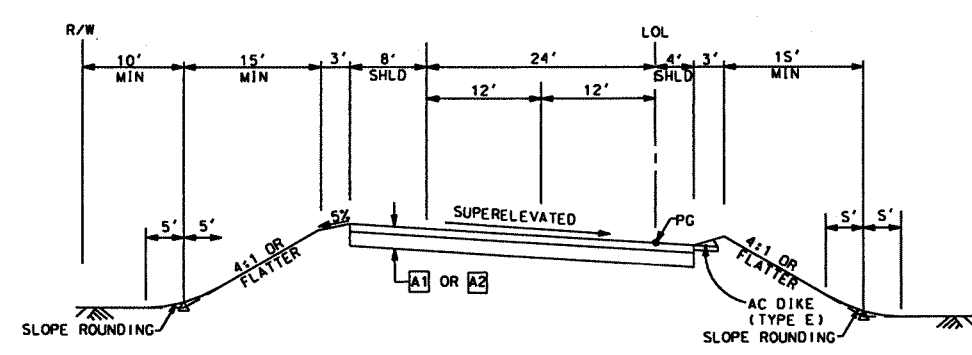
FRANKLIN ST NORTHBOUND EXIT RAMP
STA 1046+50 TO STA 1050+21-A1
STA 1054+88 TO STA 1058+60-A1
STA 1058+50 TO STA 1060+28-A2



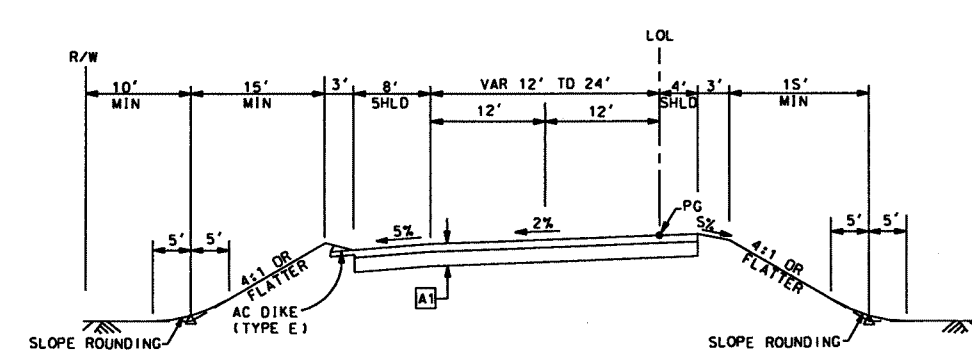
FRANKLIN ST NORTHBOUND EXIT RAMP
STA 1050+21 TO STA 1054+88-A1
STA 1060+28 TO STA 1060+49-A2



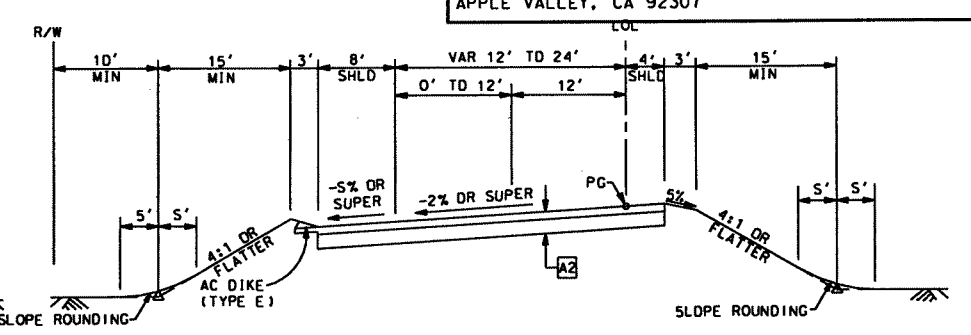
FRANKLIN ST SOUTHBOUND EXIT RAMP
STA 1059+90 TO STA 1061+35-A2
STA 1066+99 TO STA 1071+01-A1



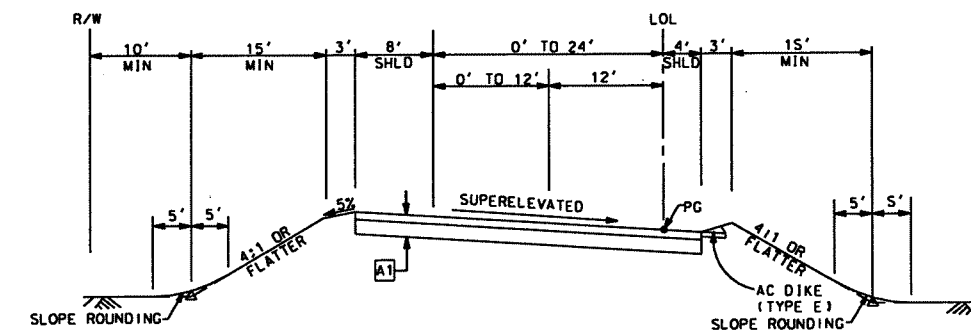
FRANKLIN ST SOUTHBOUND EXIT RAMP
STA 1062+00 TO STA 1066+11-A1
STA 1061+35 TO STA 1062+00-A2



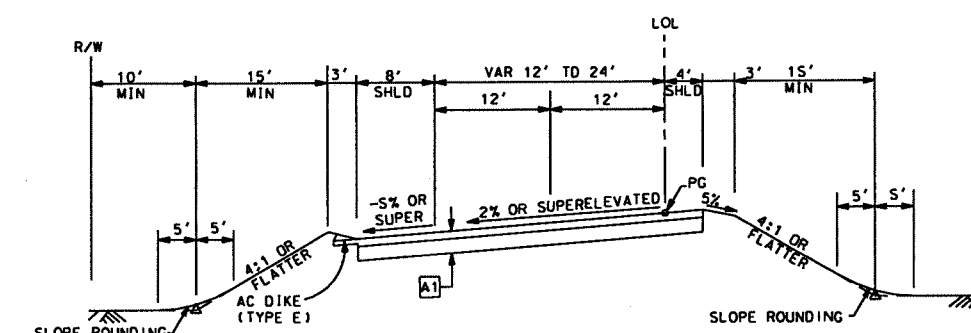
FRANKLIN ST SOUTHBOUND EXIT RAMP
STA 1066+11 TO STA 1066+99
STA 1071+01 TO STA 1074+00



FRANKLIN ST SOUTHBOUND ENTRANCE RAMP
STA 1045+07 TO STA 1059+26



MAIN ST SOUTHBOUND ENTRANCE RAMP
STA 1091+00 TO STA 1095+03



MAIN ST SOUTHBOUND ENTRANCE RAMP
STA 1095+03 TO STA 1107+03

ALTERNATIVE 3
TYPICAL CROSS SECTIONS
NO SCALE
X-5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER
R. S. CHAVEZ
No. 41904
Exp. 3/31/16
CIVIL
STATE OF CALIFORNIA

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

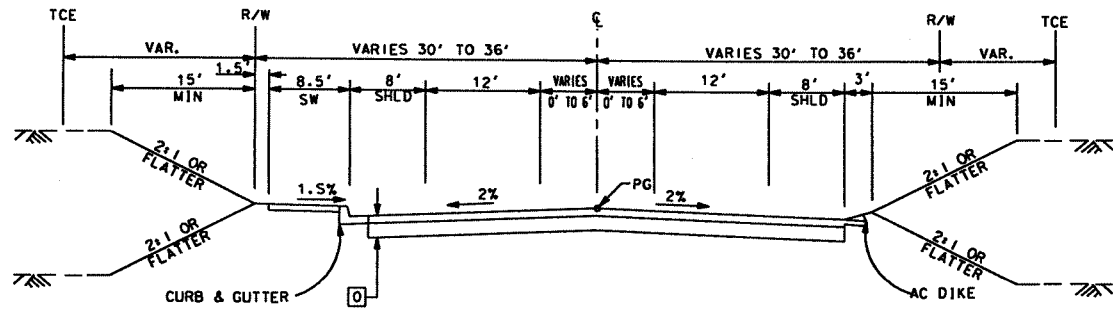
PLANS APPROVAL DATE

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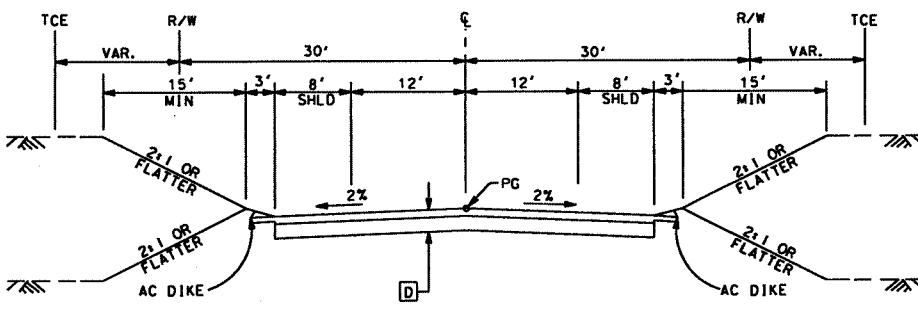
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RIVERSIDE, CA 92501

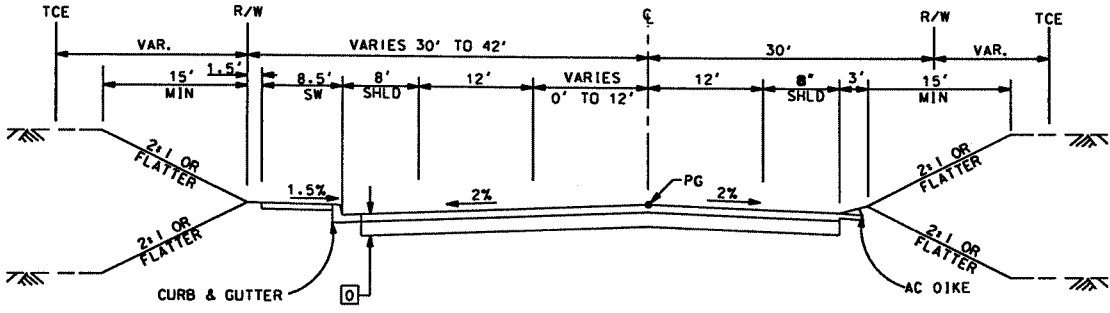
SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307



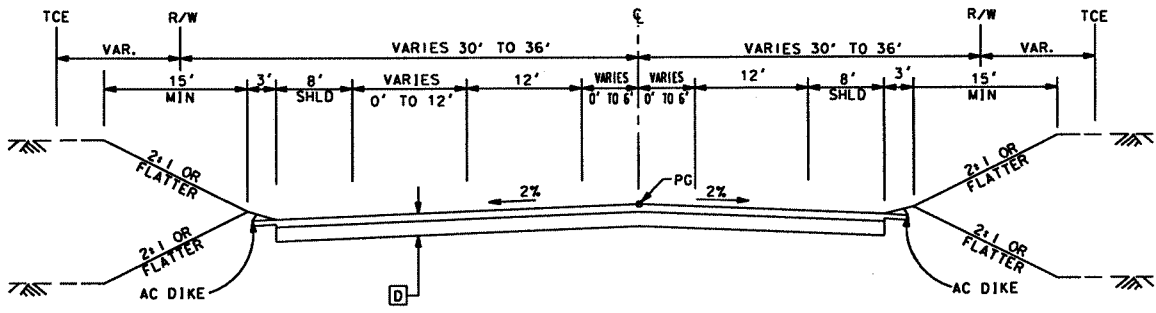
CANYON ESTATES DRIVE
STA 20+87 TO STA 26+27



CAMINO DEL NORTE
STA 35+03 TO STA 58+03



CANYON ESTATES DRIVE
STA 10+45 TO STA 20+87



CAMINO DEL NORTE
STA 27+55 TO STA 35+03

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER

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CIVIL

STATE OF CALIFORNIA

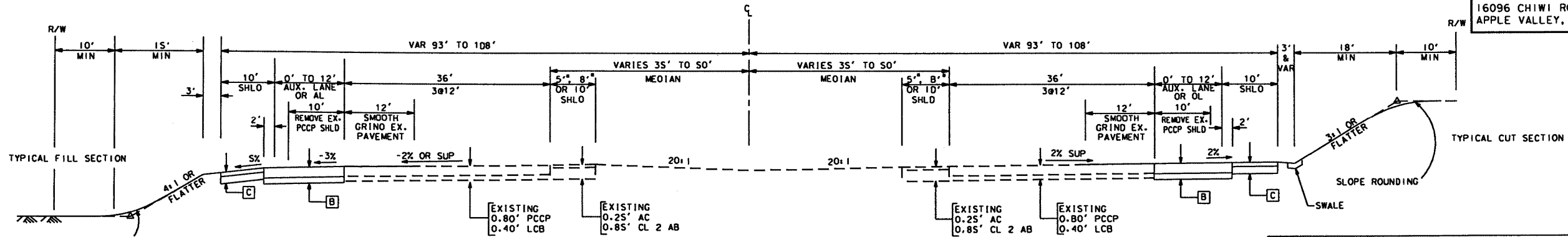
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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

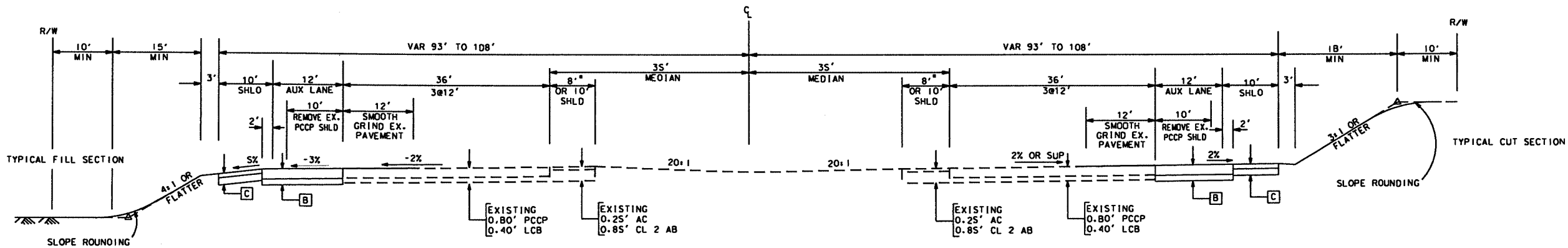


SOUTHBOUND
STA 969+04 TO STA 985+04
STA 1008+28 TO STA 1023+09
STA 1027+39 TO STA 1045+07

INTERSTATE ROUTE 15

NORTHBOUND
STA 976+51 TO STA 991+01
STA 1021+50 TO STA 1021+96
STA 1026+82 TO STA 1046+50

* STATION TO STATION	EXISTING INSIDE SHOULDER WIDTH
NORTHBOUND STA 975+51 TO STA 1013+90	5 FT
NORTHBOUND STA 1021+58 TO STA 1098+48	8 FT
NORTHBOUND STA 1105+30 TO STA 1107+10	8 FT
SOUTHBOUND STA 969+04 TO STA 1014+10	5 FT
SOUTHBOUND STA 1022+83 TO STA 1027+33	8 FT
SOUTHBOUND STA 1094+78 TO STA 1107+10	8 FT



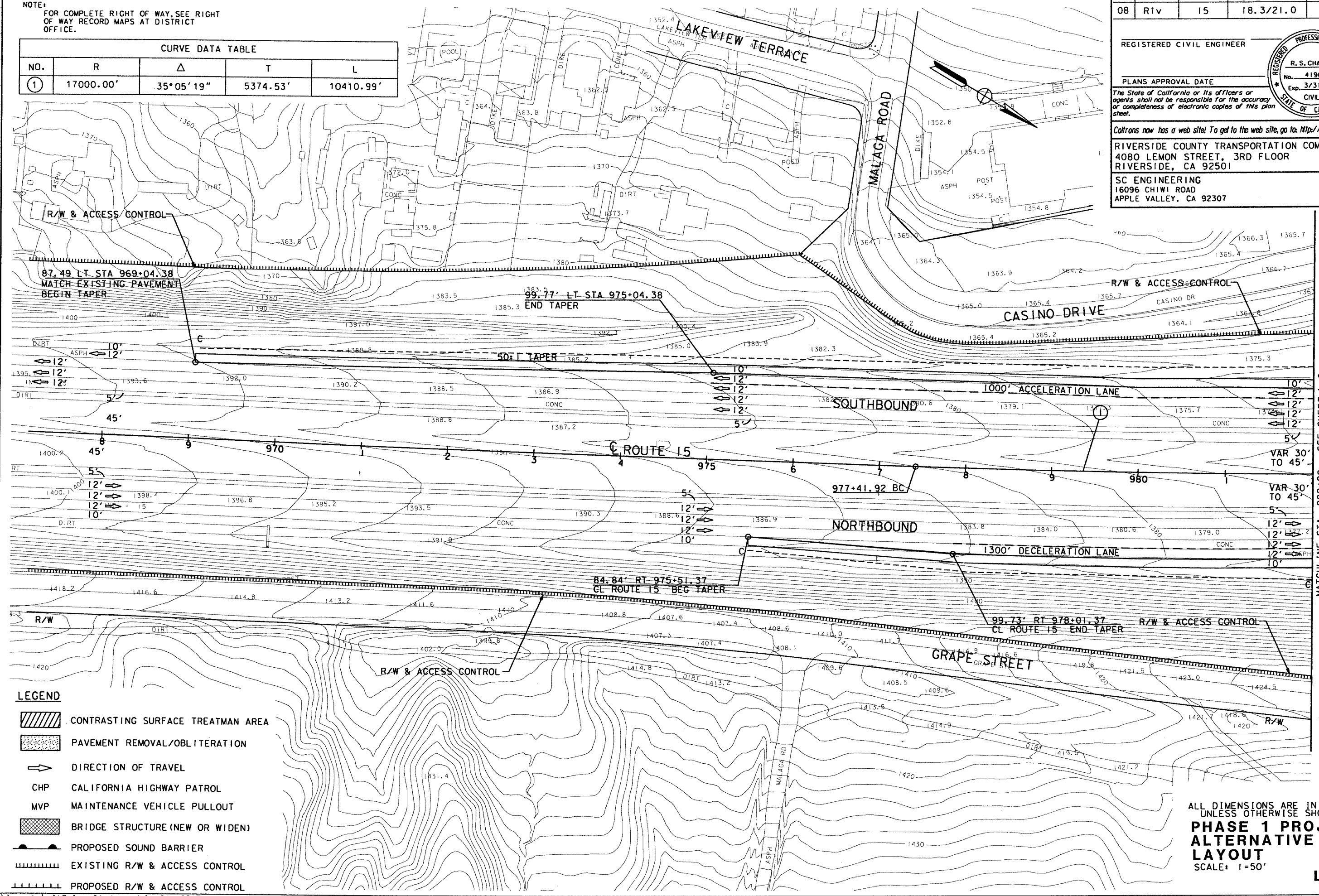
SOUTHBOUND
STA 1074+00 TO STA 1090+00

INTERSTATE ROUTE 15

NORTHBOUND
STA 1073+91 TO STA 1090+45

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10410.99'



- LEGEND**
- CONTRASTING SURFACE TREATMAN AREA
 - PAVEMENT REMOVAL/OBLITERATION
 - DIRECTION OF TRAVEL
 - CHP CALIFORNIA HIGHWAY PATROL
 - MVP MAINTENANCE VEHICLE PULLOUT
 - BRIDGE STRUCTURE (NEW OR WIDEN)
 - PROPOSED SOUND BARRIER
 - EXISTING R/W & ACCESS CONTROL
 - PROPOSED R/W & ACCESS CONTROL

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

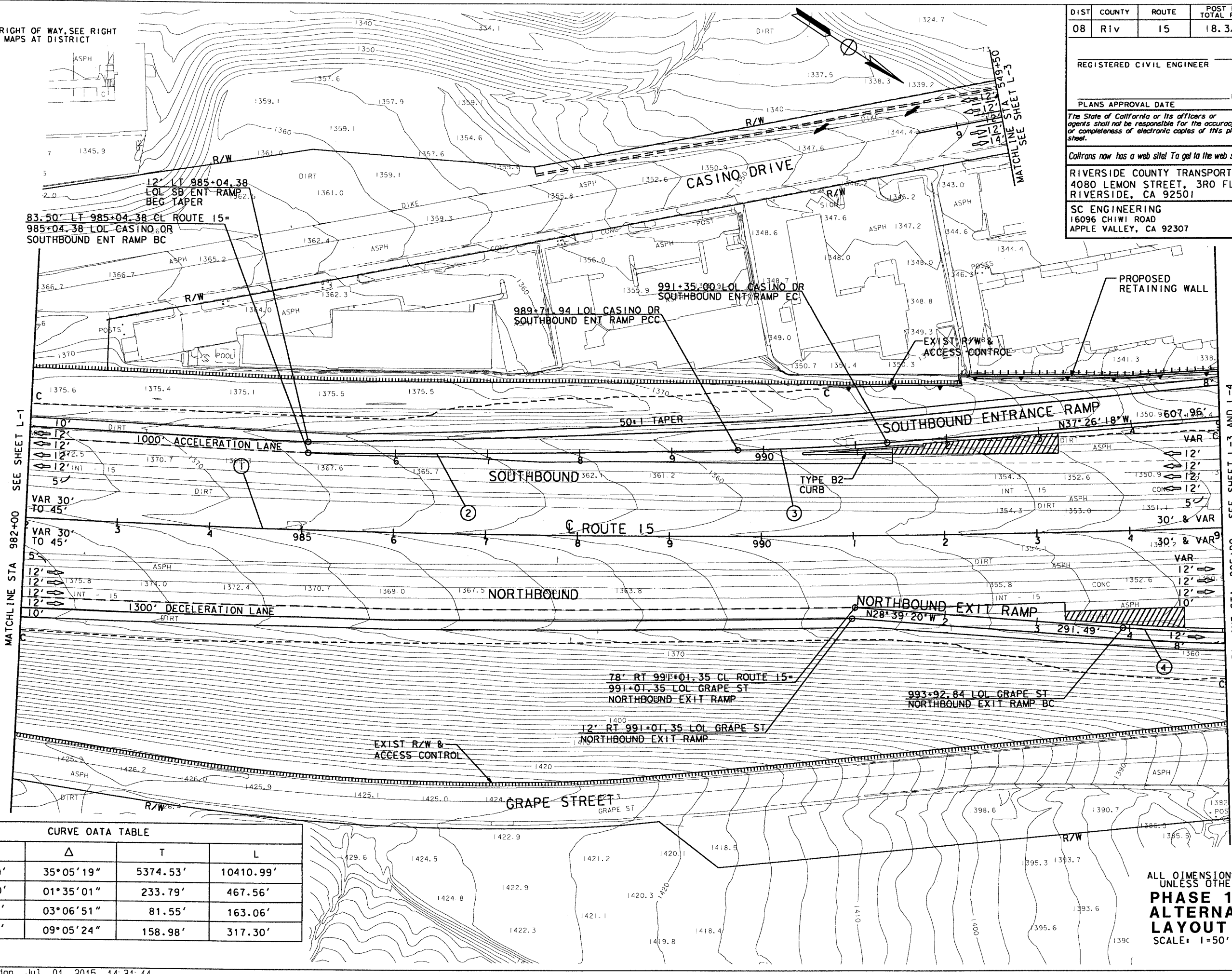
STATE OF CALIFORNIA

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

**PHASE 1 PROJECT
ALTERNATIVE 3
LAYOUT**

SCALE: 1"=50'

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.



DIST08COUNTYRivROUTE15POST MILESTOTAL PROJECT18.3/21.0SHEETNoTOTAL SHEETS

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER

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No. 41904

Exp. 3/31/16

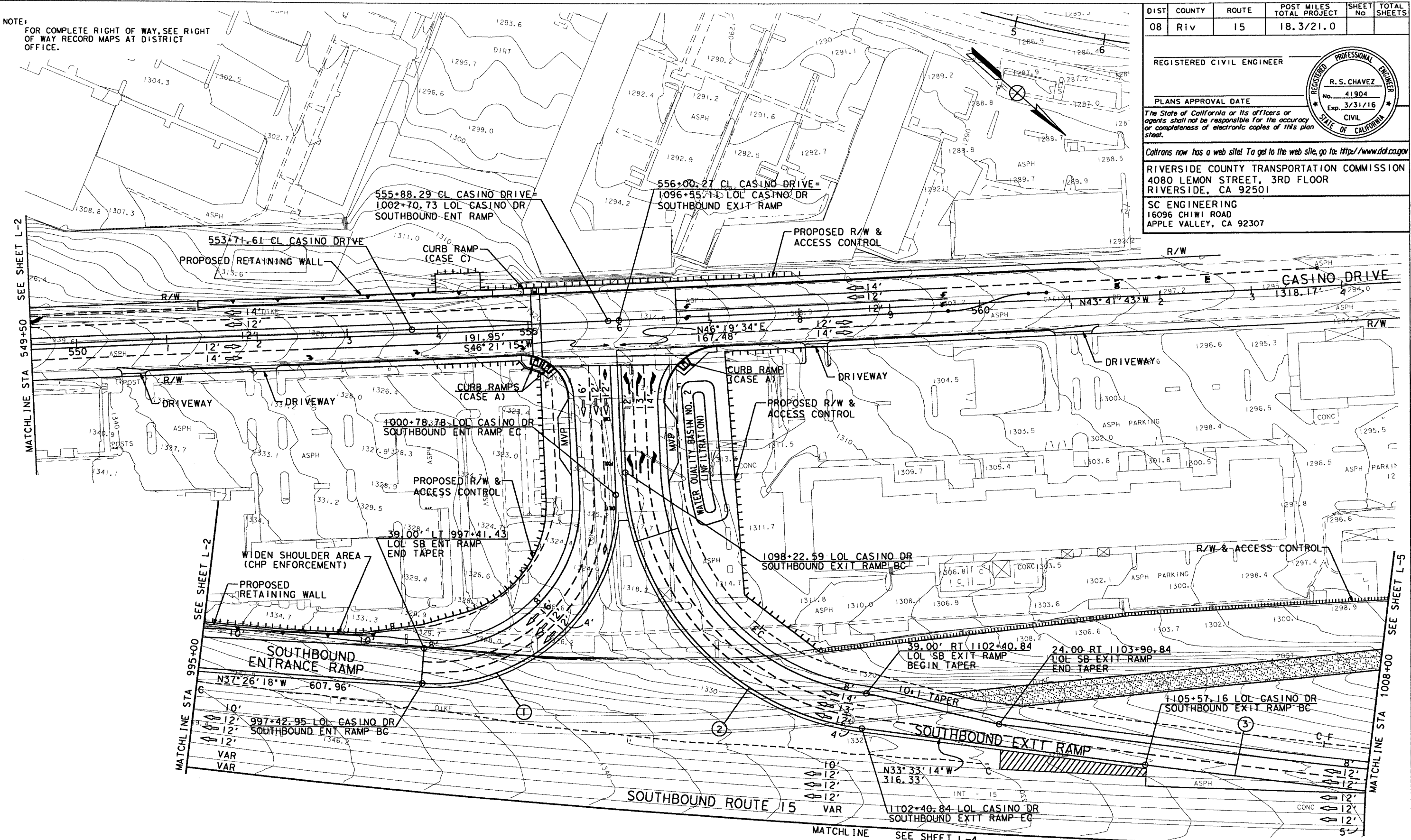
CIVIL

STATE OF CALIFORNIA

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10410.99'
②	16916.50'	01°35'01"	233.79'	467.56'
③	3000.00'	03°06'51"	81.55'	163.06'
④	2000.00'	09°05'24"	158.98'	317.30'

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 3
LAYOUT**
SCALE: 1"=50'

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION

4080 LEMON STREET, 3RD FLOOR

RIVERSIDE, CA 92501

SC ENGINEERING

16096 CHIMI ROAD

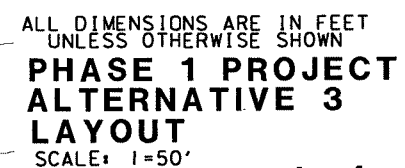
APPLE VALLEY, CA 92307

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	200.00'	96°12'27"	222.93'	335.83'
②	300.00'	79°52'48"	251.19'	418.25'
③	16929.00'	00°55'04"	135.57'	271.14'

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 3
LAYOUT**
SCALE: 1"=50'

Subaru

REGISTERED PROFESSIONAL ENGINEER
R. S. CHAVEZ
No. 41904
Exp. 3/31/16
CIVIL
STATE OF CALIFORNIA



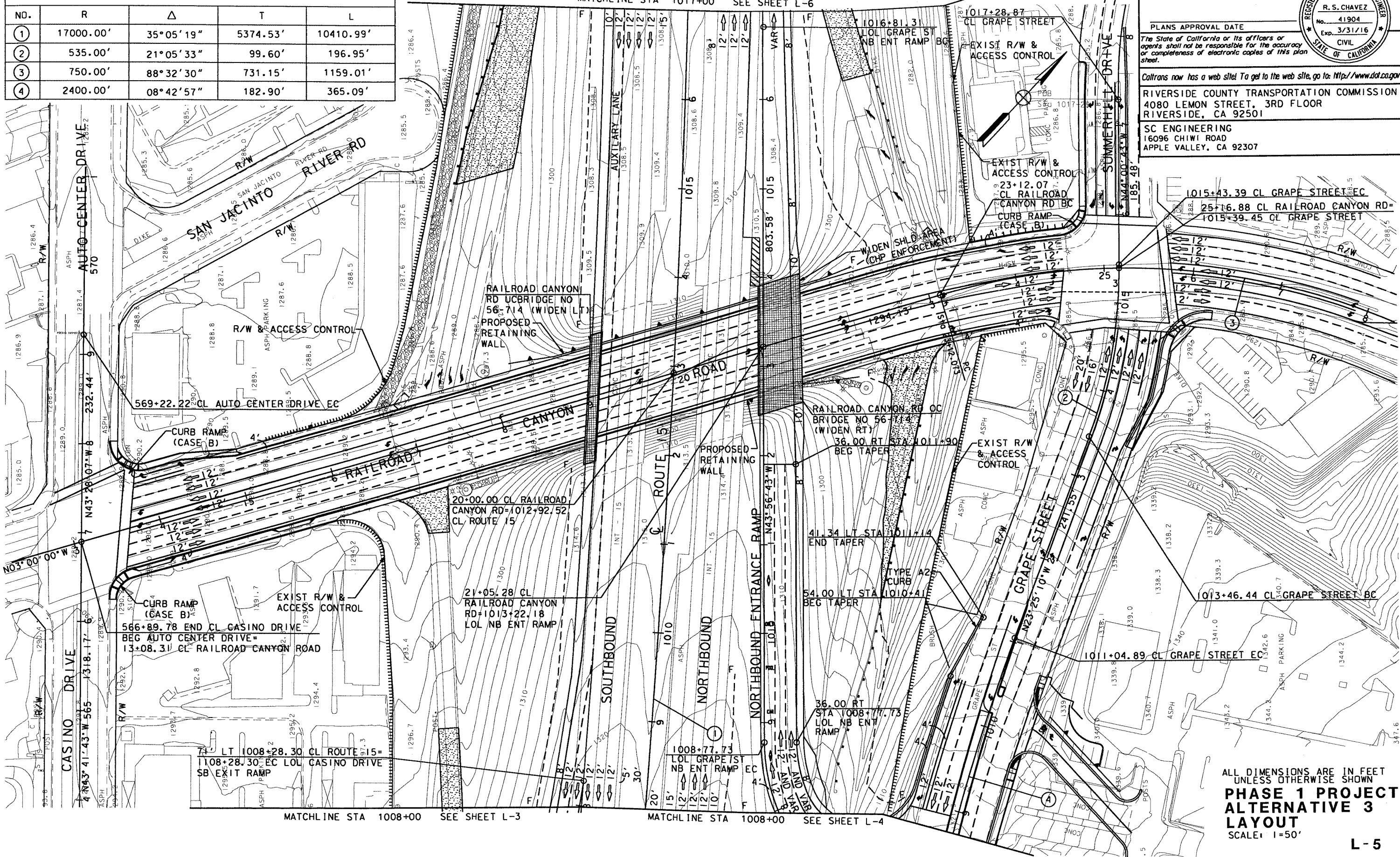
L - 4

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE

NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10410.99'
②	535.00'	21°05'33"	99.60'	196.95'
③	750.00'	88°32'30"	731.15'	1159.01'
④	2400.00'	08°42'57"	182.90'	365.09'

MATCHLINE STA 1017+00 SEE SHEET L-6

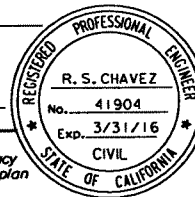


MATCHLINE STA 1008+00 SEE SHEET L-3

MATCHLINE STA 1008+00 SEE SHEET L-4

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER



PLANS APPROVAL DATE

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 3
LAYOUT**
SCALE: 1"=50'

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10410.99'
②	17071.00'	01°34'23"	234.36'	468.69'

DIST08COUNTYRivROUTE15POST MILESTOTAL PROJECT18.3/21.0SHEET NoTOTAL SHEETS

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

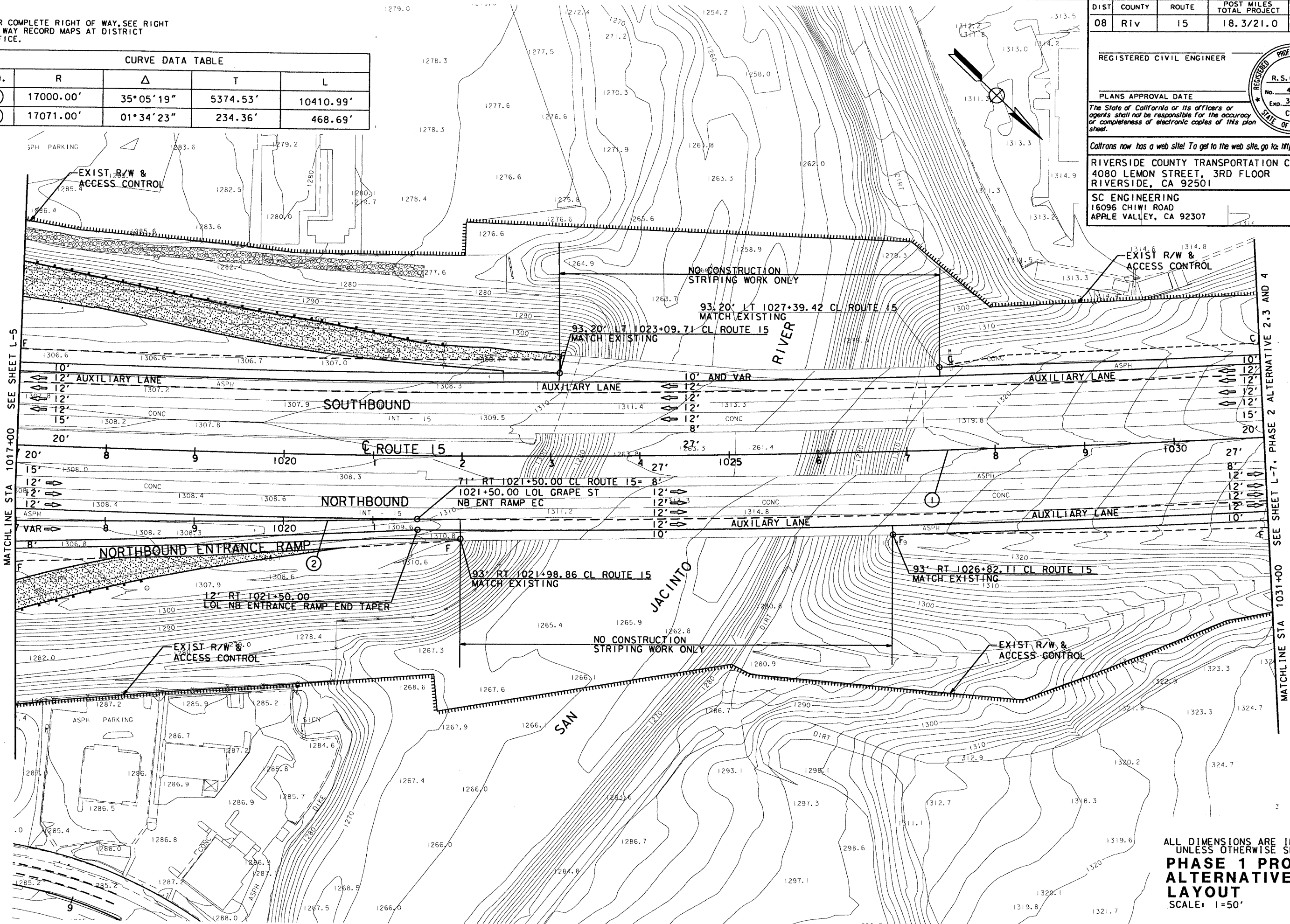
STATE OF CALIFORNIA

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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

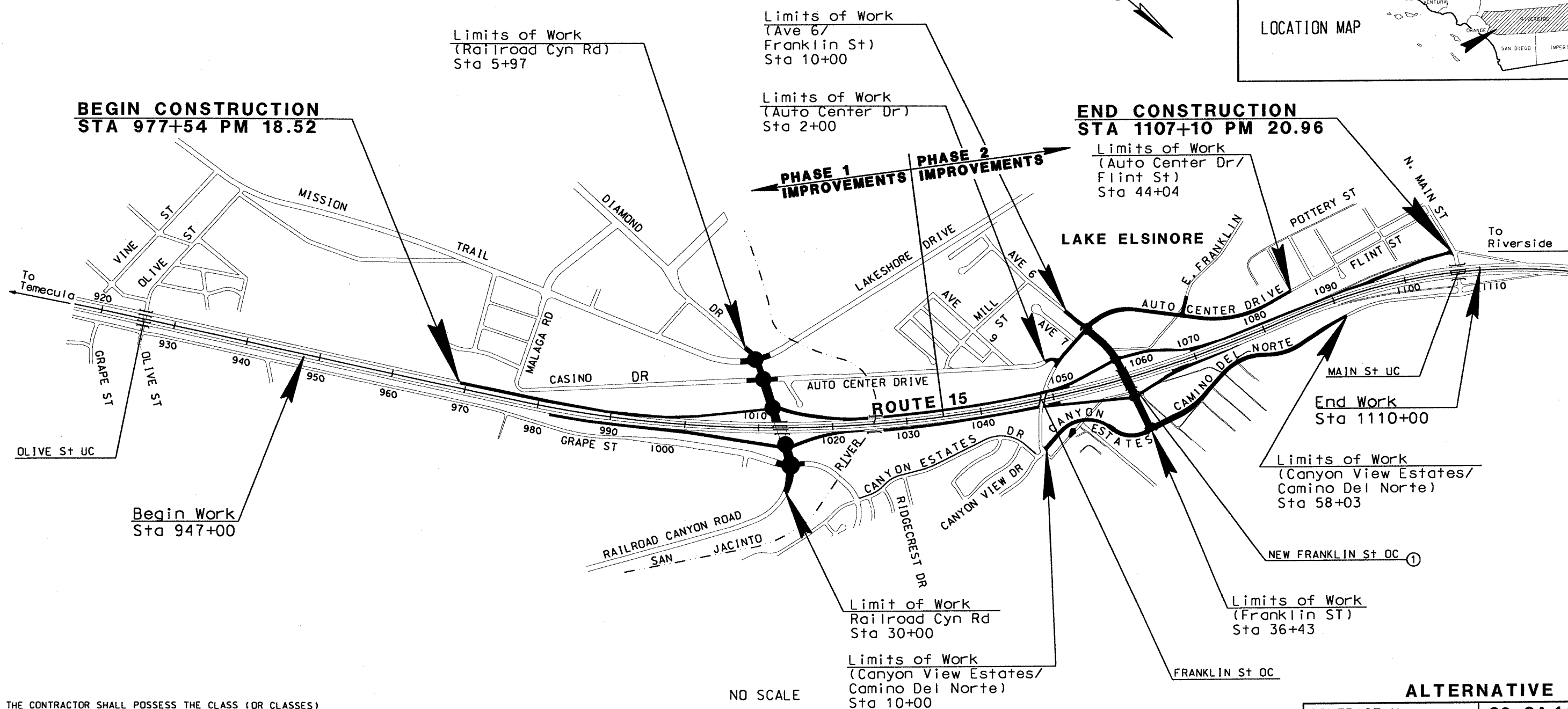


ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 3
LAYOUT**
SCALE: 1"=50'

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN RIVERSIDE COUNTY
IN LAKE ELSINORE
FROM 0.7 MILES SOUTH OF
RAILROAD CANYON ROAD
TO MAIN STREET

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	RIV	15	18.52/20.96		



NO SCALE

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

ALTERNATIVE 4	
CONTRACT No.	08-0A4400

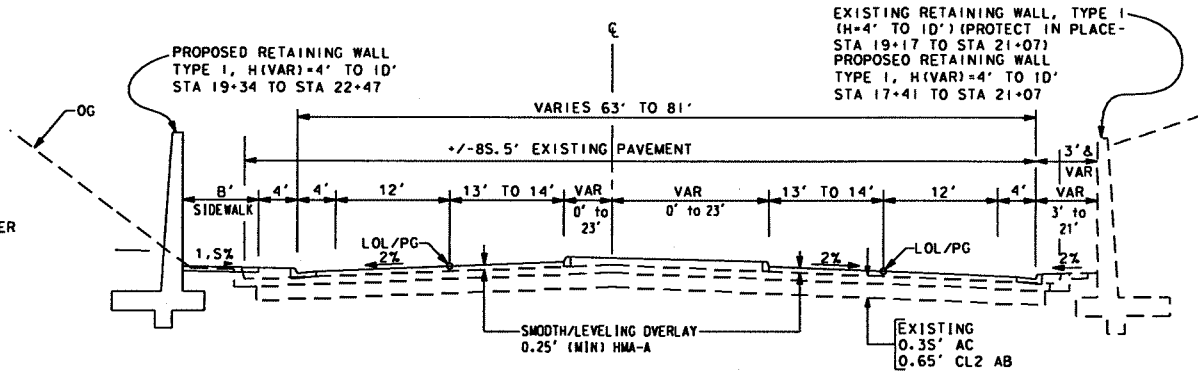
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT
DU LU
DESIGN OVERSIGHT
CALCULATED/DESIGNED BY
CHECKED BY
REVISOR
DATE
REVISOR
DATE

DESIGN DESIGNATION (2040)

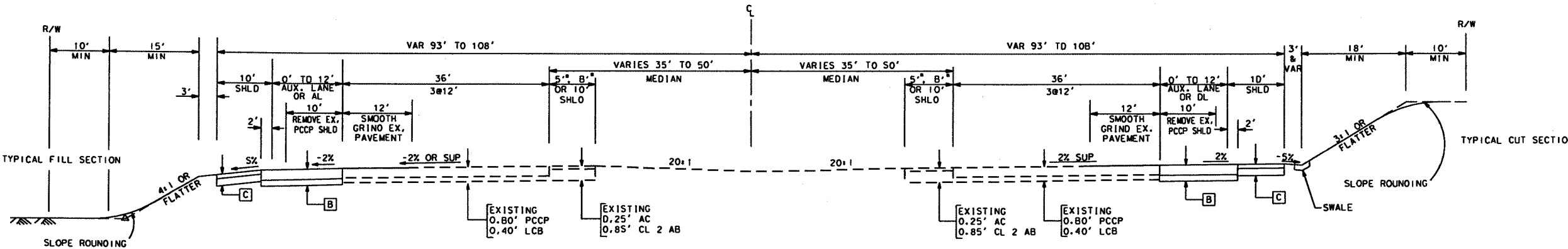
ADT (2013) = 122,300
ADT (2040) = 165,000
DHV = 12,540
O = 51%
T = 8%
V = 70 MPH

PRELIMINARY STRUCTURAL SECTION TYPE

- RAMPS**
T1 (40-Year Design Life) = 11.0
Baseament Soil R Value (Preliminary) = 40
- AUXILIARY LANE**
T1 (40-Year Design Life) = 17.0
Baseament Soil R Value (Preliminary) = 40
- FREEWAY SHOULDER**
T1 (40-Year Design Life) = 10.5
Baseament Soil R Value (Preliminary) = 40
- LOCAL ROADS**
T1 (20-Year Design Life) = 9.0
Baseament Soil R Value (Preliminary) = 40
- [A1] 0.55' HMA-A
0.95' AB (CL2) OR [A2] 0.85' JPCP
HMA BOND BREAKER
0.35' LCB
- [B] 1.25' JPCP
HMA BOND BREAKER
0.35' LCB
- [C] 0.85' JPCP
HMA BOND BREAKER
0.35' LCB
- [D] 0.45' HMA-A
0.95' AB (CL2)



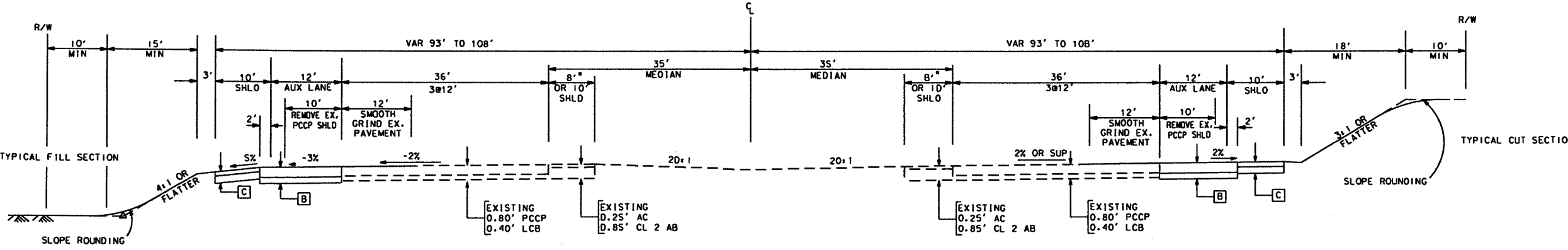
RAILROAD CANYON ROAD
17+60.00 RT TO 23+80.00 LT



SOUTHBOUND
STA 977+54 TO STA 989+50
STA 1008+28 TO STA 1023+09
STA 1027+39 TO STA 1045+07

INTERSTATE ROUTE 15

NORTHBOUND
STA 981+85 TO STA 997+28
STA 1021+50 TO STA 1021+96
STA 1026+82 TO STA 1046+50



SOUTHBOUND
STA 1074+00 TO STA 1090+00

INTERSTATE ROUTE 15

NORTHBOUND
STA 1073+91 TO STA 1090+45

* STATION TO STATION	EXISTING INSIDE SHOULDER WIDTH
NORTHBOUND STA 975+51 TO STA 1013+90	5 FT
NORTHBOUND STA 1021+58 TO STA 1098+48	8 FT
NORTHBOUND STA 1105+30 TO STA 1107+10	8 FT
SOUTHBOUND STA 969+04 TO STA 1014+10	5 FT
SOUTHBOUND STA 1022+83 TO STA 1027+33	8 FT
SOUTHBOUND STA 1094+78 TO STA 1107+10	8 FT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

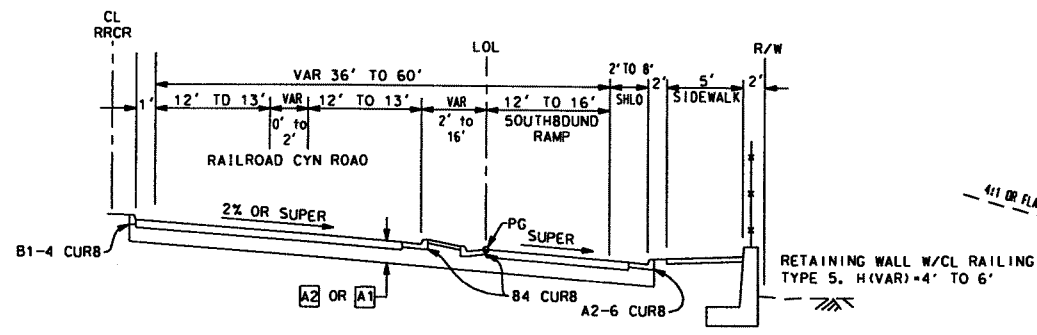
SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER
R. S. CHAVEZ
No. 41904
Exp. 3/31/16
CIVIL
STATE OF CALIFORNIA

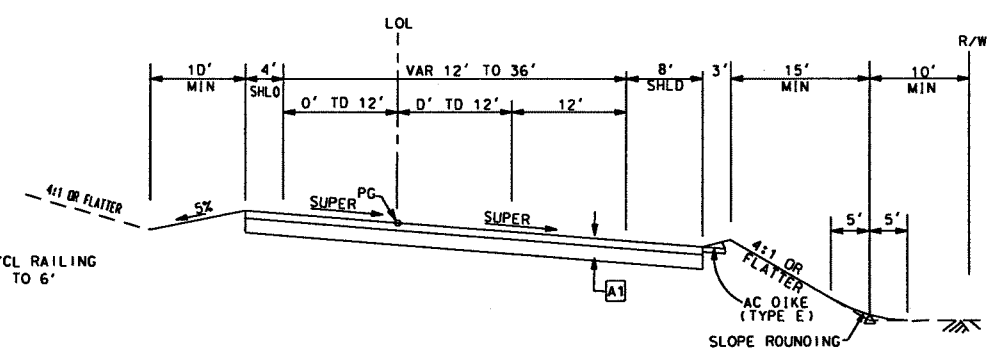
REVISOR
DATE
DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
DU LU

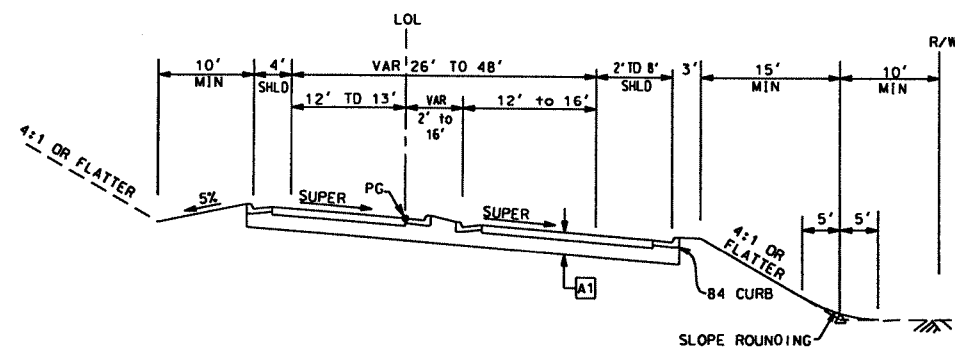
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans PROJECT DEVELOPMENT



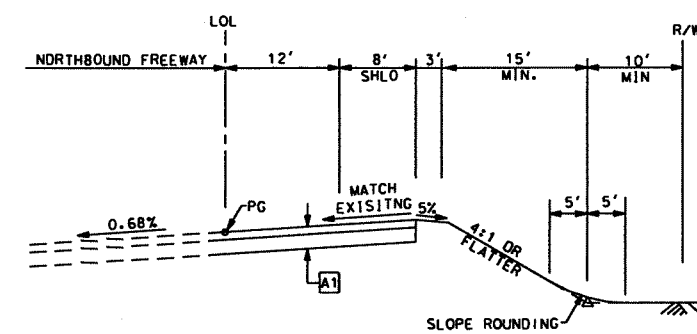
RAILROAD CYN RD NORTHBOUND ENTRANCE RAMP
STA 1012+77 STA 1014+61



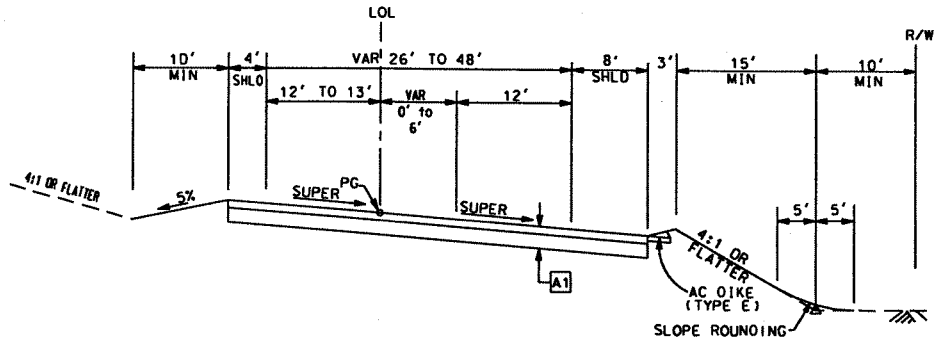
RAILROAD CYN RD NORTHBOUND ENTRANCE RAMP
STA 1016+17 TO STA 1022+55



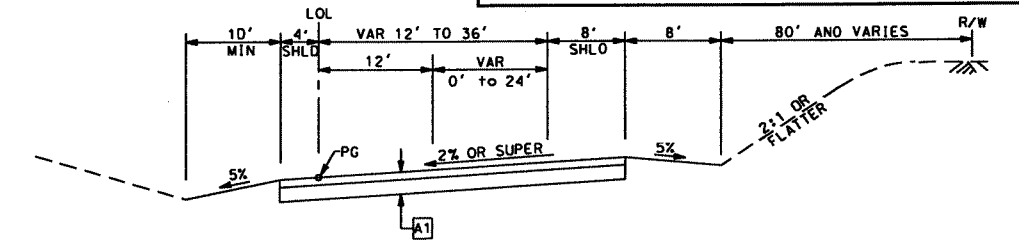
RAILROAD CYN RD NORTHBOUND ENTRANCE RAMP
STA 1014+61 TO STA 1015+55



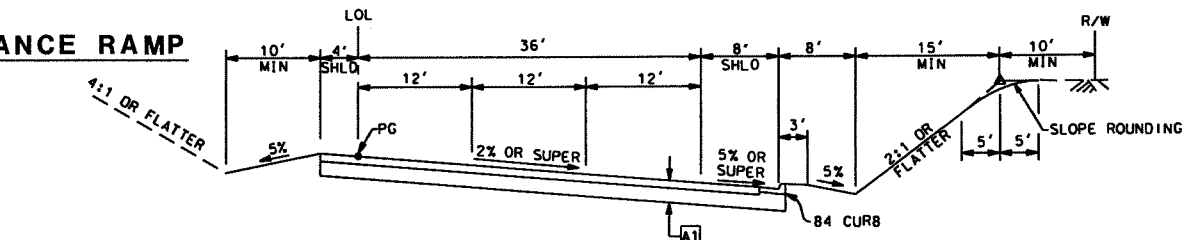
RAILROAD CYN RD NORTHBOUND ENTRANCE RAMP
STA 1022+55 TO STA 1022+89



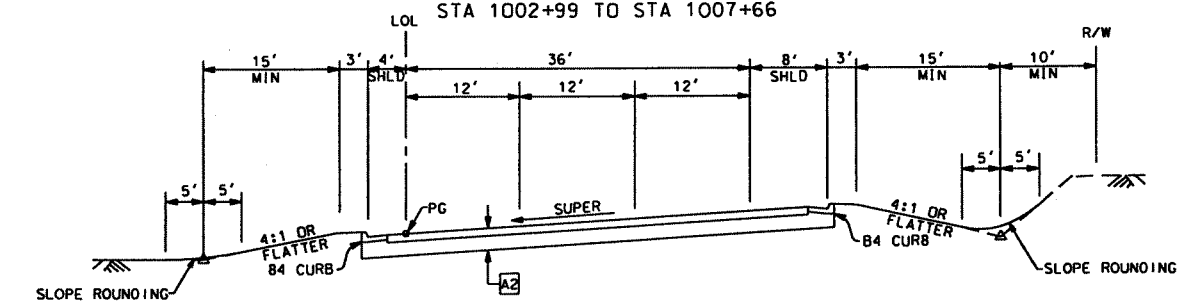
RAILROAD CYN RD NORTHBOUND ENTRANCE RAMP
STA 1015+55 TO STA 1016+17



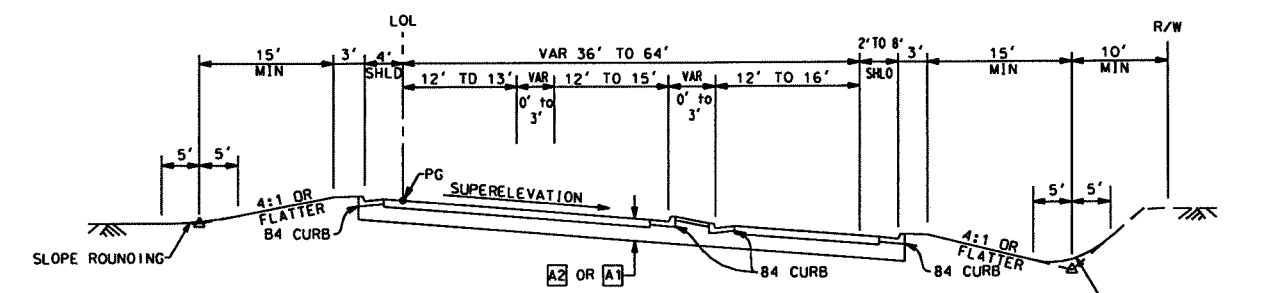
RAILROAD CYN RD NORTHBOUND EXIT RAMP
STA 997+28 TO STA 1002+99



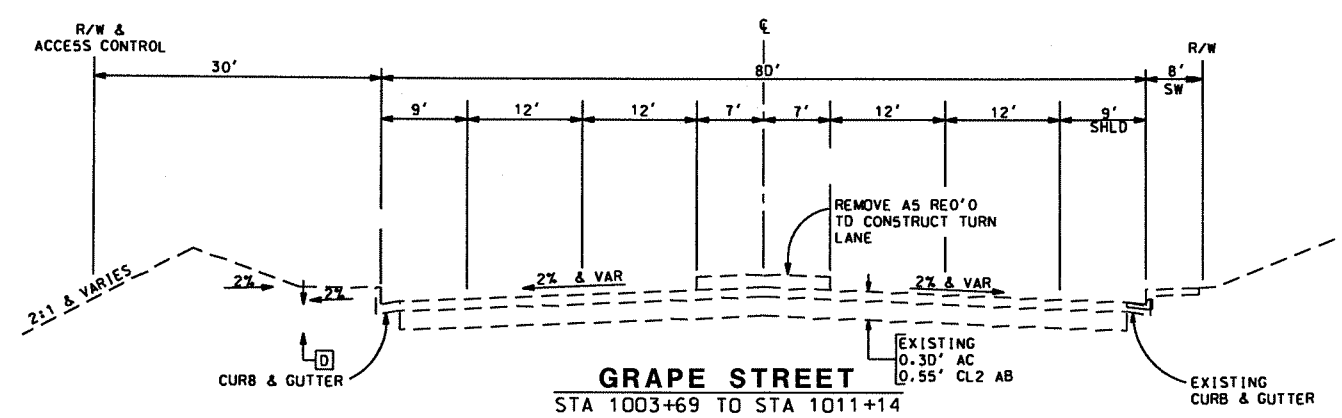
RAILROAD CYN RD NORTHBOUND EXIT RAMP
STA 1002+99 TO STA 1007+66



RAILROAD CYN RD NORTHBOUND EXIT RAMP
STA 1007+66 TO STA 1010+33



RAILROAD CYN RD NORTHBOUND EXIT RAMP
STA 1010+33 STA 1010+49
STA 1010+49 TO STA 1012+99



GRAPE STREET
STA 1003+69 TO STA 1011+14

ALTERNATIVE 4
TYPICAL CROSS SECTIONS
NO SCALE
X-2

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

REVISOR
DATE
BY

DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
DU LU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Gibson PROJECT DEVELOPMENT

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

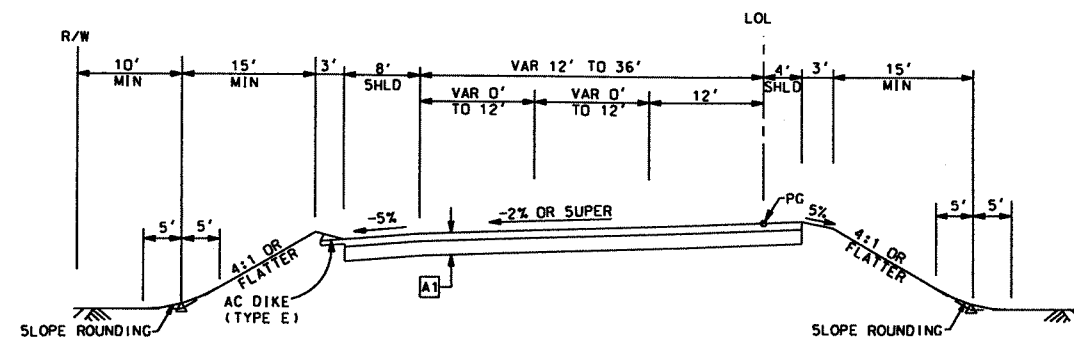
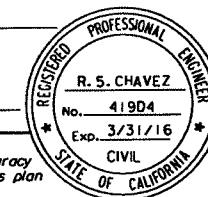
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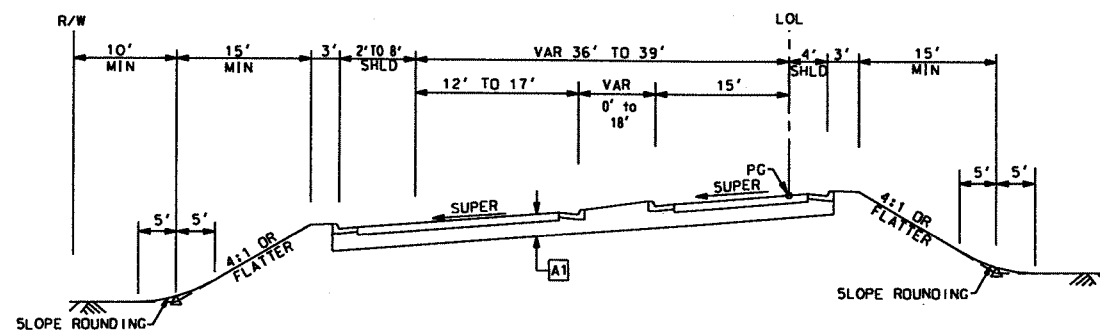
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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

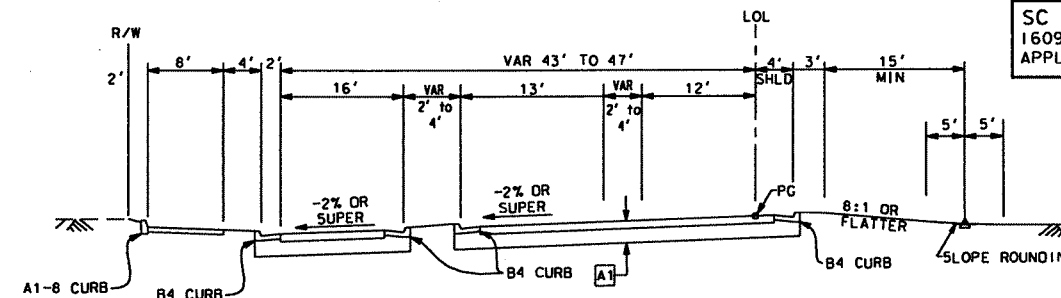
SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307



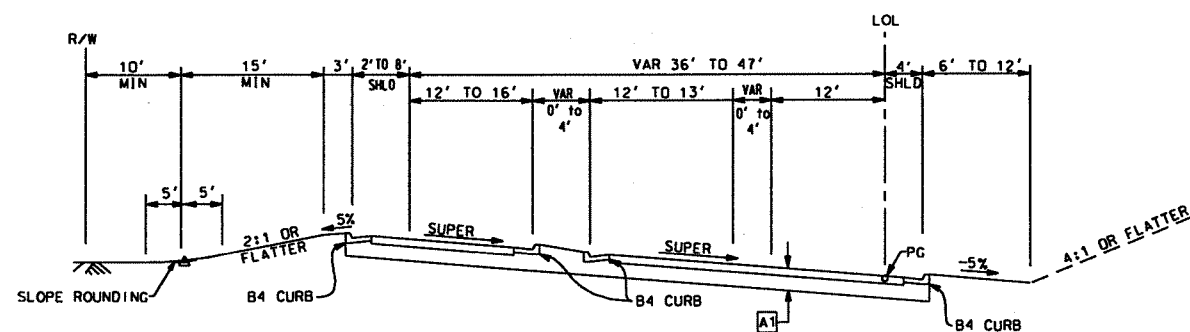
RAILROAD CYN ROAD SOUTHBOUND ENTRANCE RAMP
STA 989+50 TO 1010+25



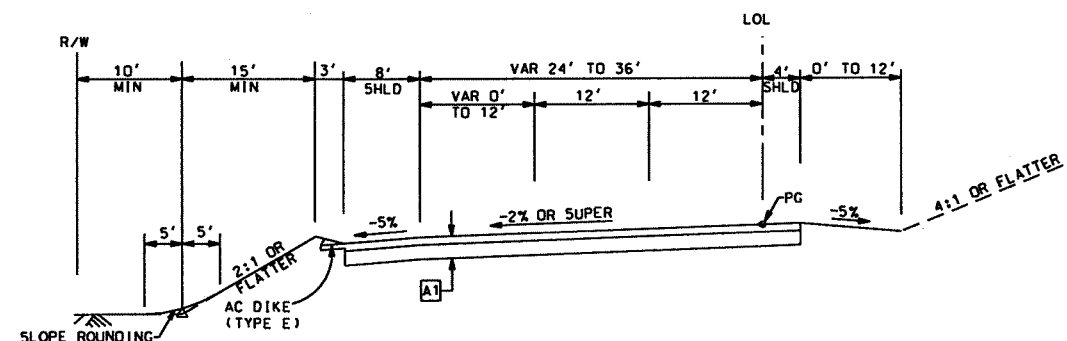
RAILROAD CYN ROAD SOUTHBOUND ENTRANCE RAMP
STA 1010+25 TO 1011+07



RAILROAD CYN ROAD SOUTHBOUND EXIT RAMP
STA 1013+11 TO 1013+44



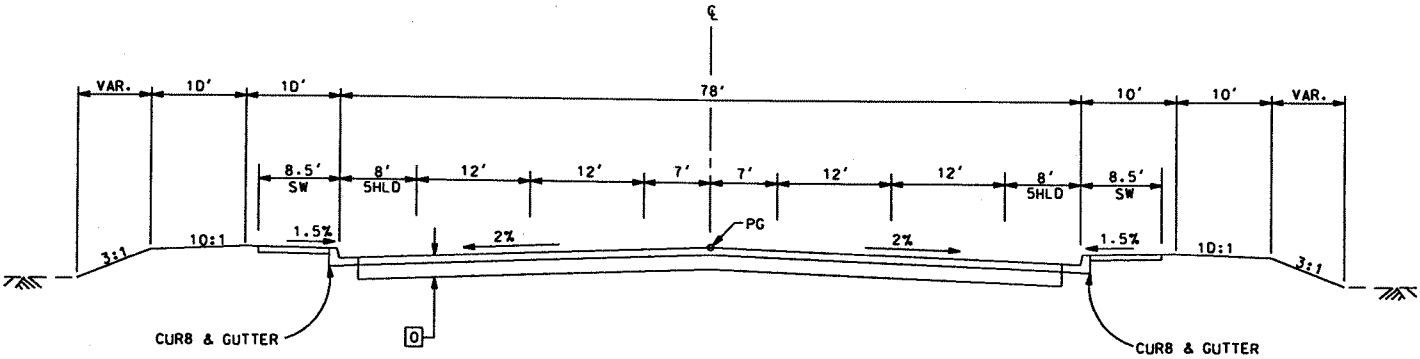
RAILROAD CYN ROAD SOUTHBOUND EXIT RAMP
STA 1013+44 TO 1017+03



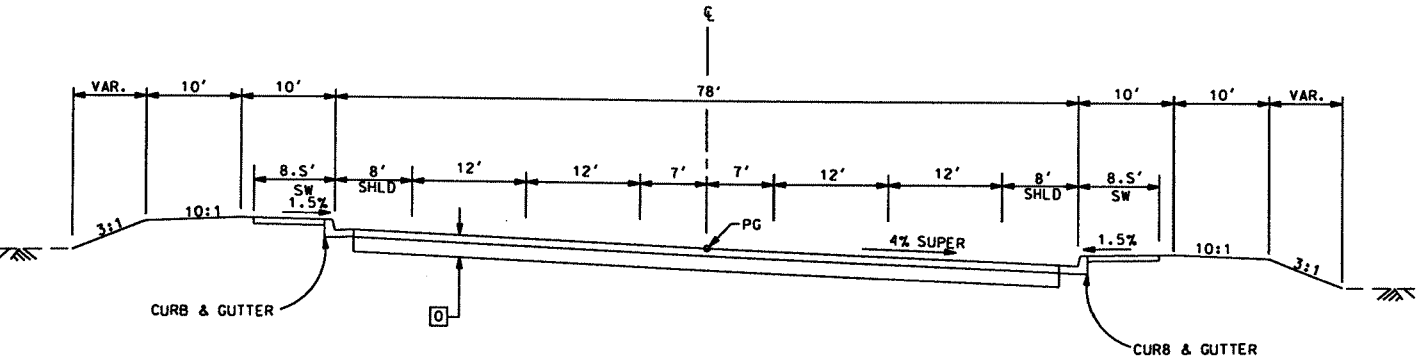
RAILROAD CYN ROAD SOUTHBOUND EXIT RAMP
STA 1017+03 TO 1024+27

ALTERNATIVE 4
TYPICAL CROSS SECTIONS
NO SCALE

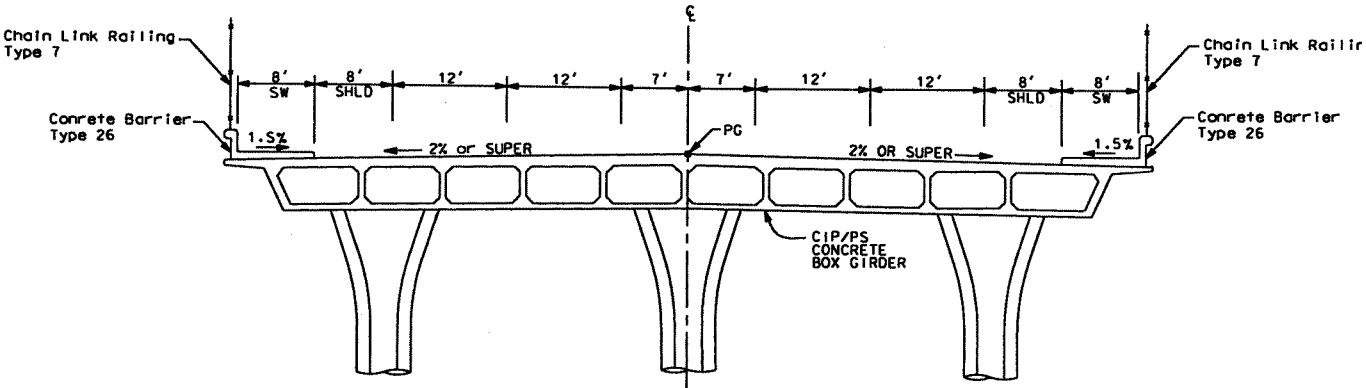
X-3



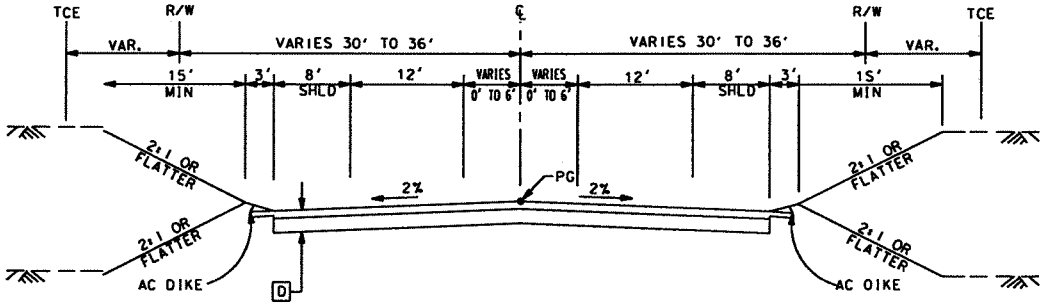
FRANKLIN STREET
STA 20+50 TO STA 21+90
STA 27+42 TO STA 35+75



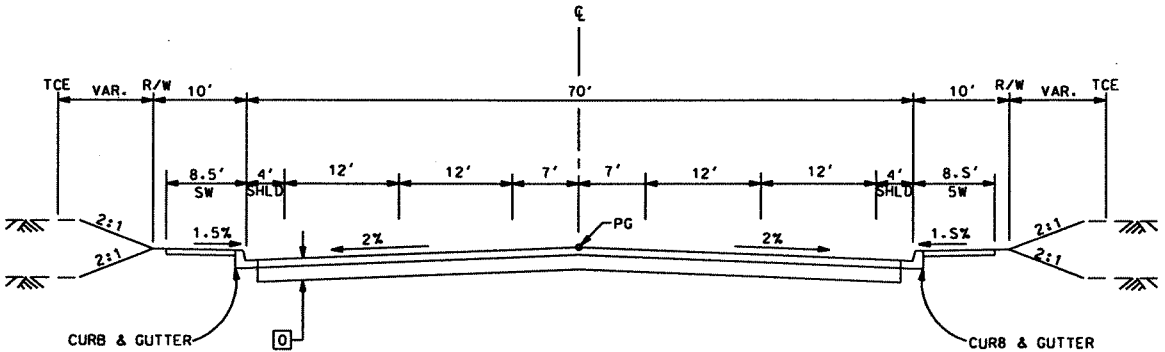
FRANKLIN STREET
STA 21+90 TO STA 27+42



FRANKLIN STREET BRIDGE
STA 27+43.80 TO STA 30+06.37



AUTO CENTER DRIVE
STA 13+77 TO STA 44+04
CITY JURISDICTION



AUTO CENTER DRIVE
STA 5+00 TO STA 12+50
CITY JURISDICTION

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

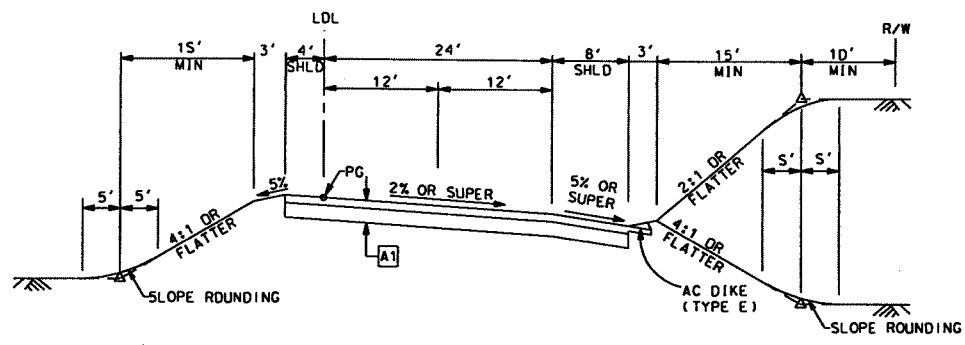
STATE OF CALIFORNIA

DATE
REVISED BY
DATE
REVISED BY

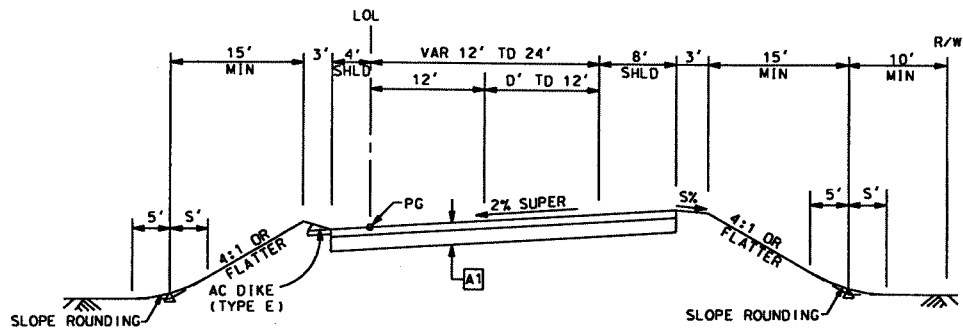
CALCULATED/
DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
DU LU

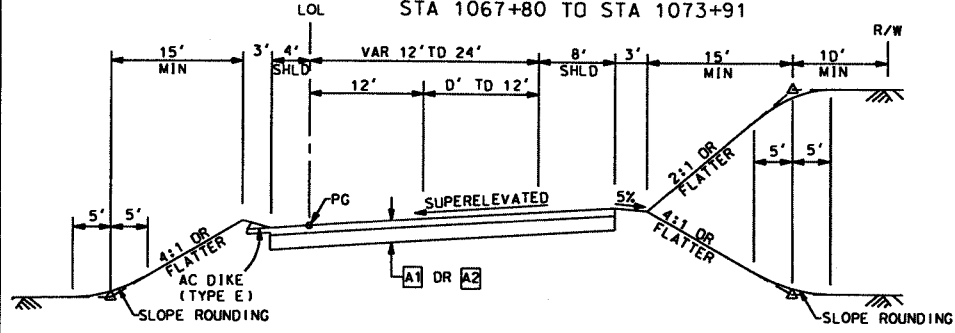
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT



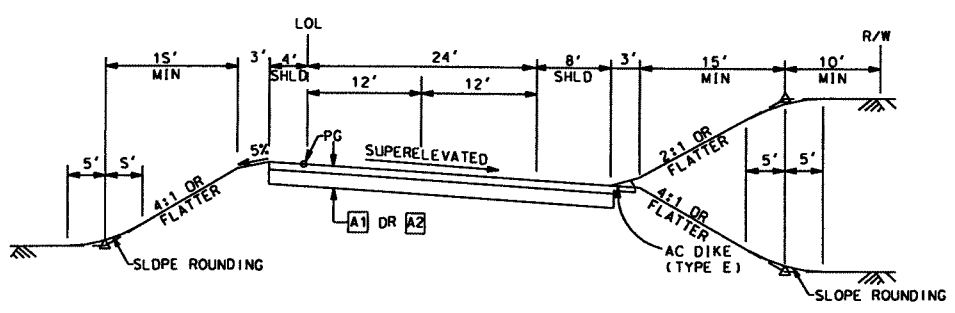
FRANKLIN ST NORTHBOUND ENTRANCE RAMP
STA 1060+25 TO STA 1067+80



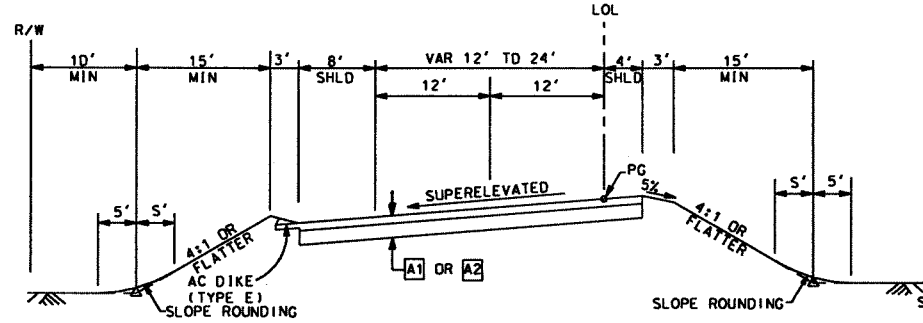
FRANKLIN ST NORTHBOUND ENTRANCE RAMP
STA 1067+80 TO STA 1073+91



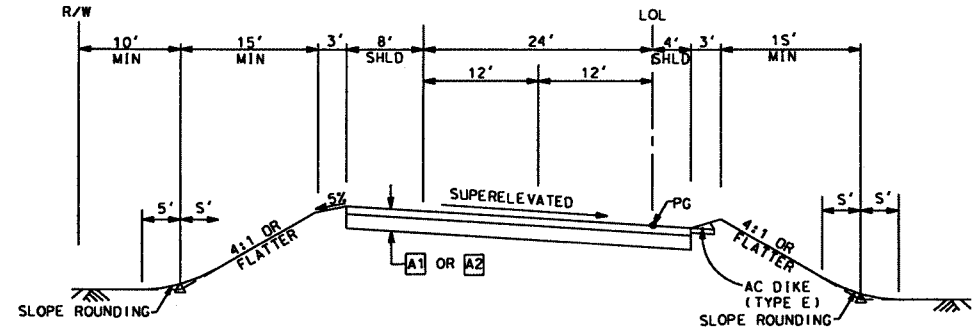
FRANKLIN ST NORTHBOUND EXIT RAMP
STA 1046+50 TO STA 1050+21-A1
STA 1054+88 TO STA 1058+60-A1
STA 1058+50 TO STA 1060+28-A2



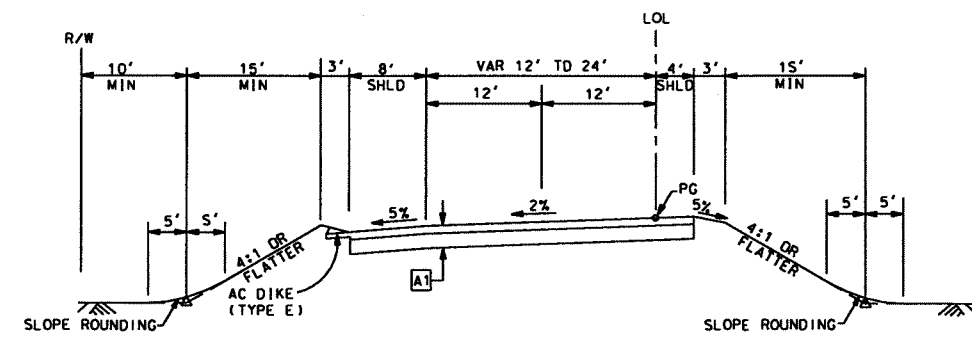
FRANKLIN ST NORTHBOUND EXIT RAMP
STA 1050+21 TO STA 1054+88-A1
STA 1060+28 TO STA 1060+49-A2



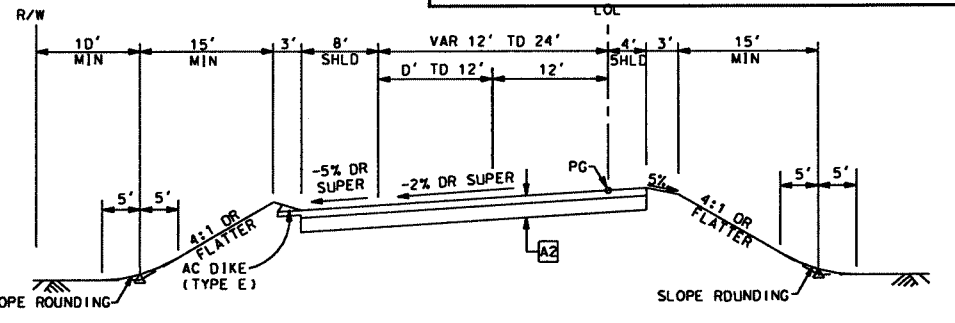
FRANKLIN ST SOUTHBOUND EXIT RAMP
STA 1059+90 TO STA 1061+35-A2
STA 1066+99 TO STA 1071+01-A1



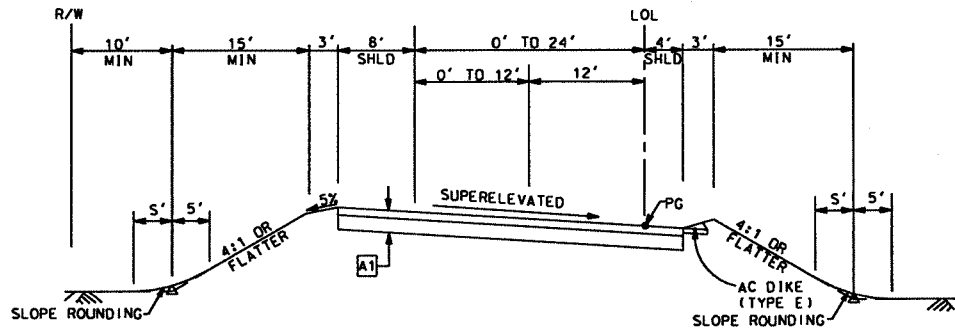
FRANKLIN ST SOUTHBOUND EXIT RAMP
STA 1062+00 TO STA 1066+11-A1
STA 1061+35 TO STA 1062+00-A2



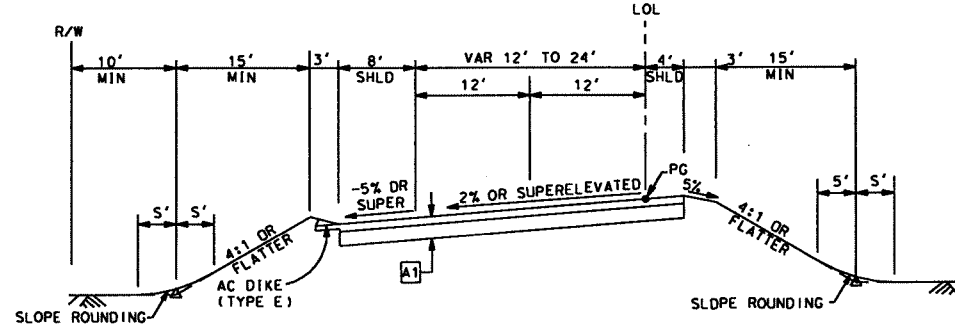
FRANKLIN ST SOUTHBOUND EXIT RAMP
STA 1066+11 TO STA 1066+99
STA 1071+01 TO STA 1074+00



FRANKLIN ST SOUTHBOUND ENTRANCE RAMP
STA 1045+07 TO STA 1059+26



MAIN ST SOUTHBOUND ENTRANCE RAMP
STA 1089+99 TO STA 1095+81



MAIN ST SOUTHBOUND ENTRANCE RAMP
STA 1095+81 TO STA 1107+02

ALTERNATIVE 4
TYPICAL CROSS SECTIONS
NO SCALE
X-5

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIM ROAD
APPLE VALLEY, CA 92307

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

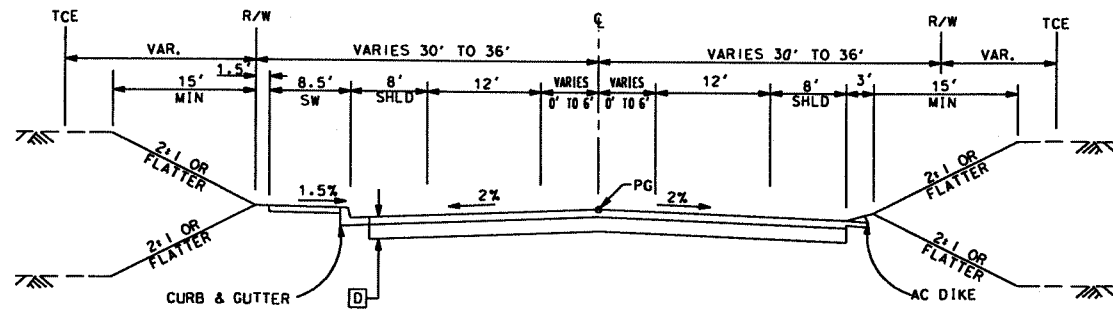
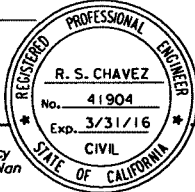
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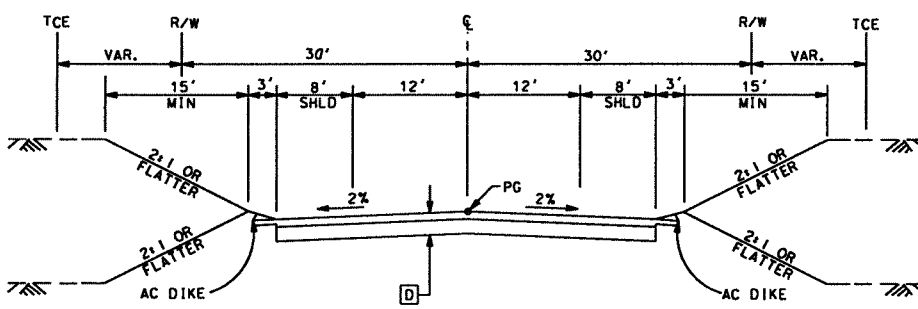
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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

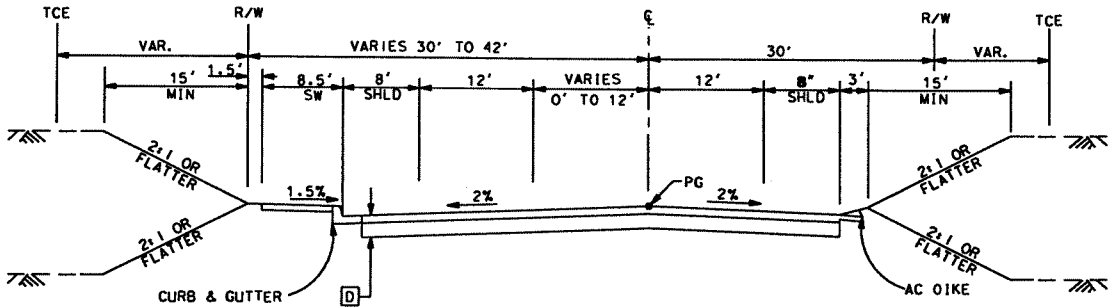
SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307



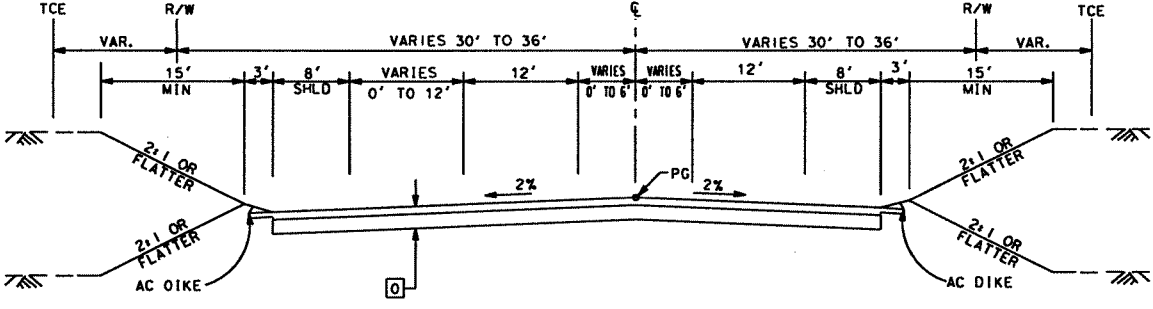
CANYON ESTATES DRIVE
STA 20+87 TO STA 26+27



CAMINO DEL NORTE
STA 35+03 TO STA 58+03

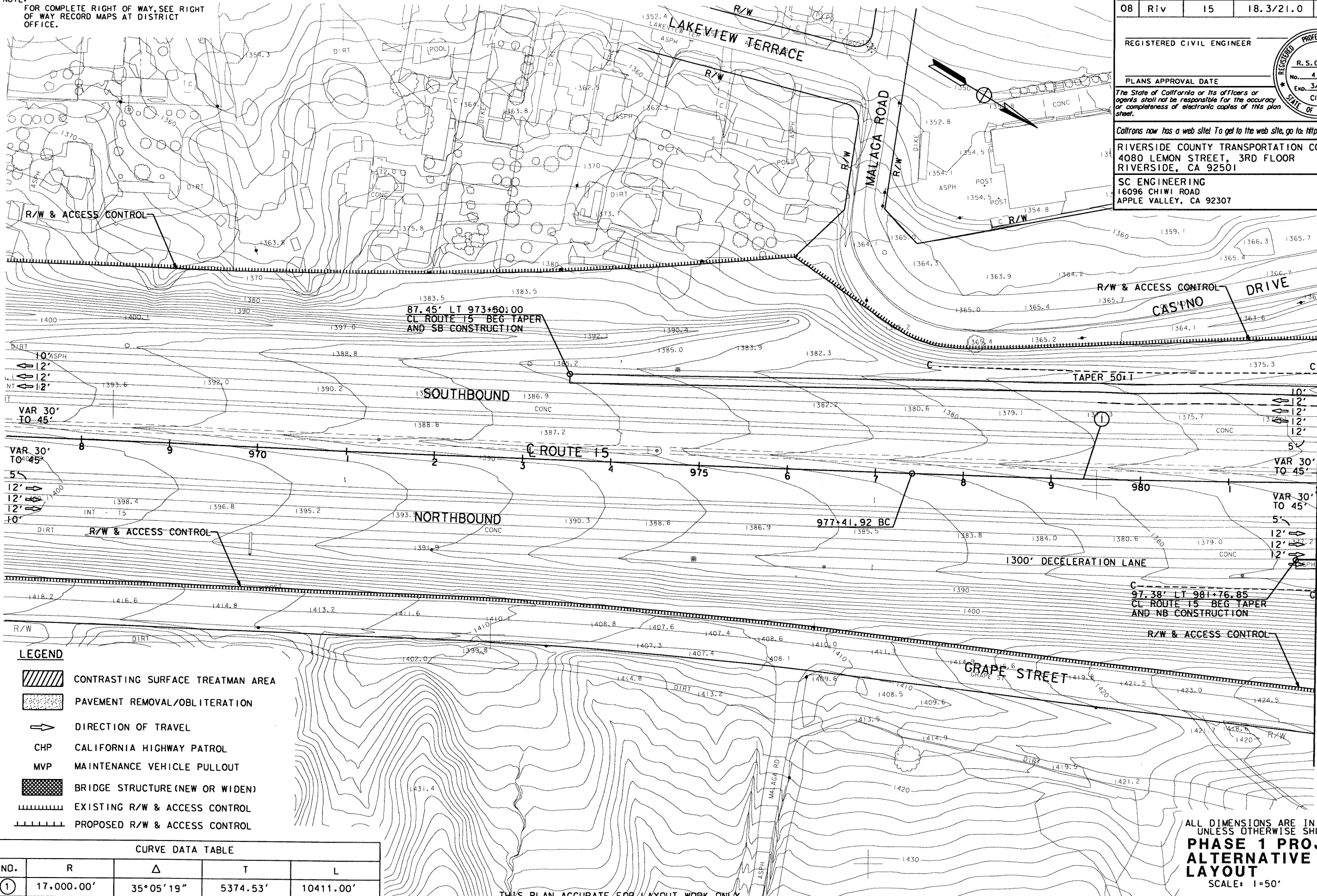


CANYON ESTATES DRIVE
STA 10+45 TO STA 20+87



CAMINO DEL NORTE
STA 27+55 TO STA 35+03

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHILI ROAD
APPLE VALLEY, CA 92307

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

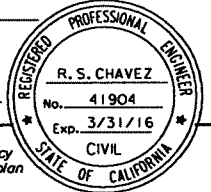
ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 4
LAYOUT**
SCALE: 1"=50'

SEE SHEET L-2
MATCH LINE STA 982+00

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER



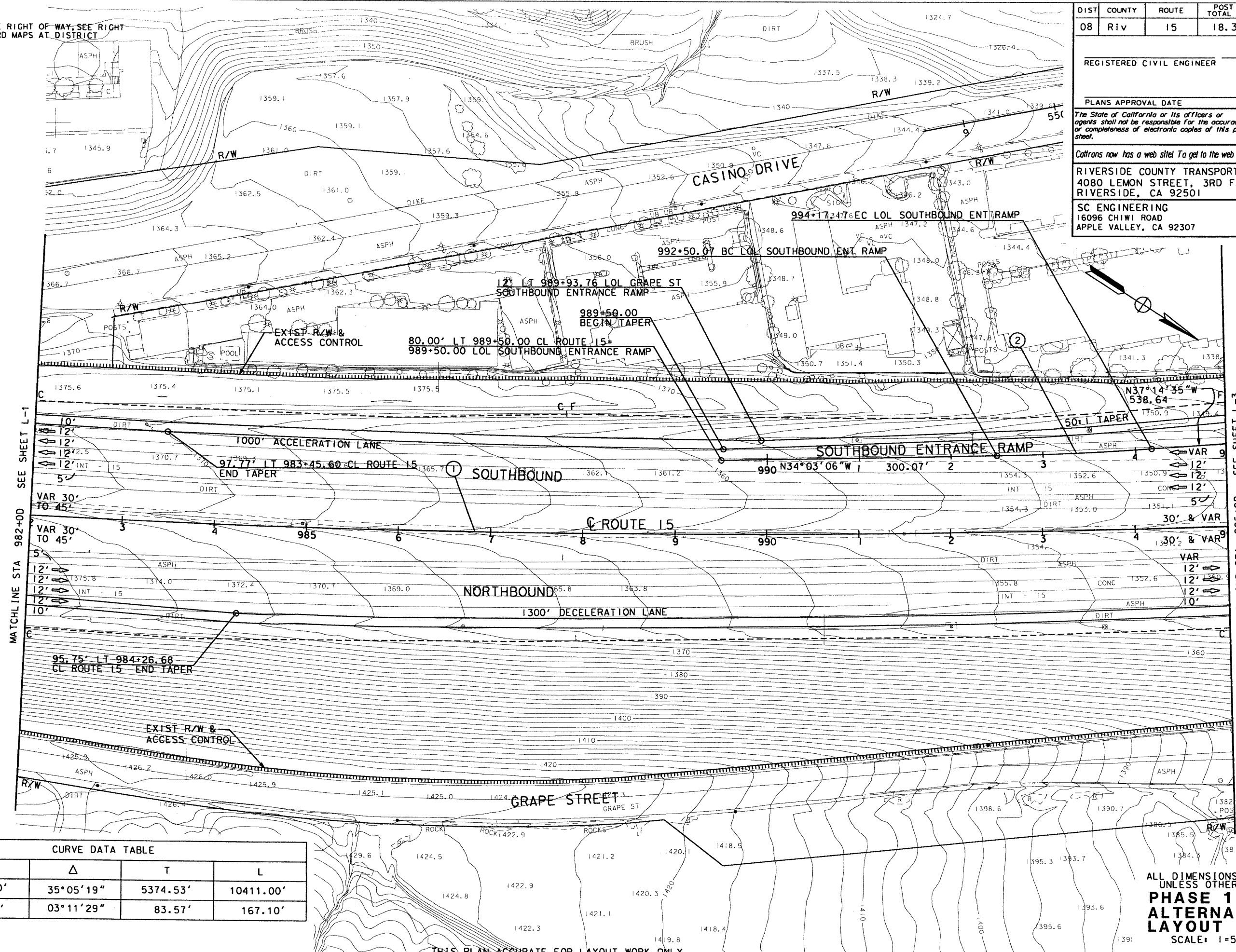
PLANS APPROVAL DATE

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307



CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10411.00'
②	3000.00'	03°11'29"	83.57'	167.10'

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

**PHASE 1 PROJECT
ALTERNATIVE 4
LAYOUT**

SCALE: 1"=50'

L-2

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

DIST

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
NO

TOTAL
SHEETS

08

Riv

15

18.3/21.0

REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

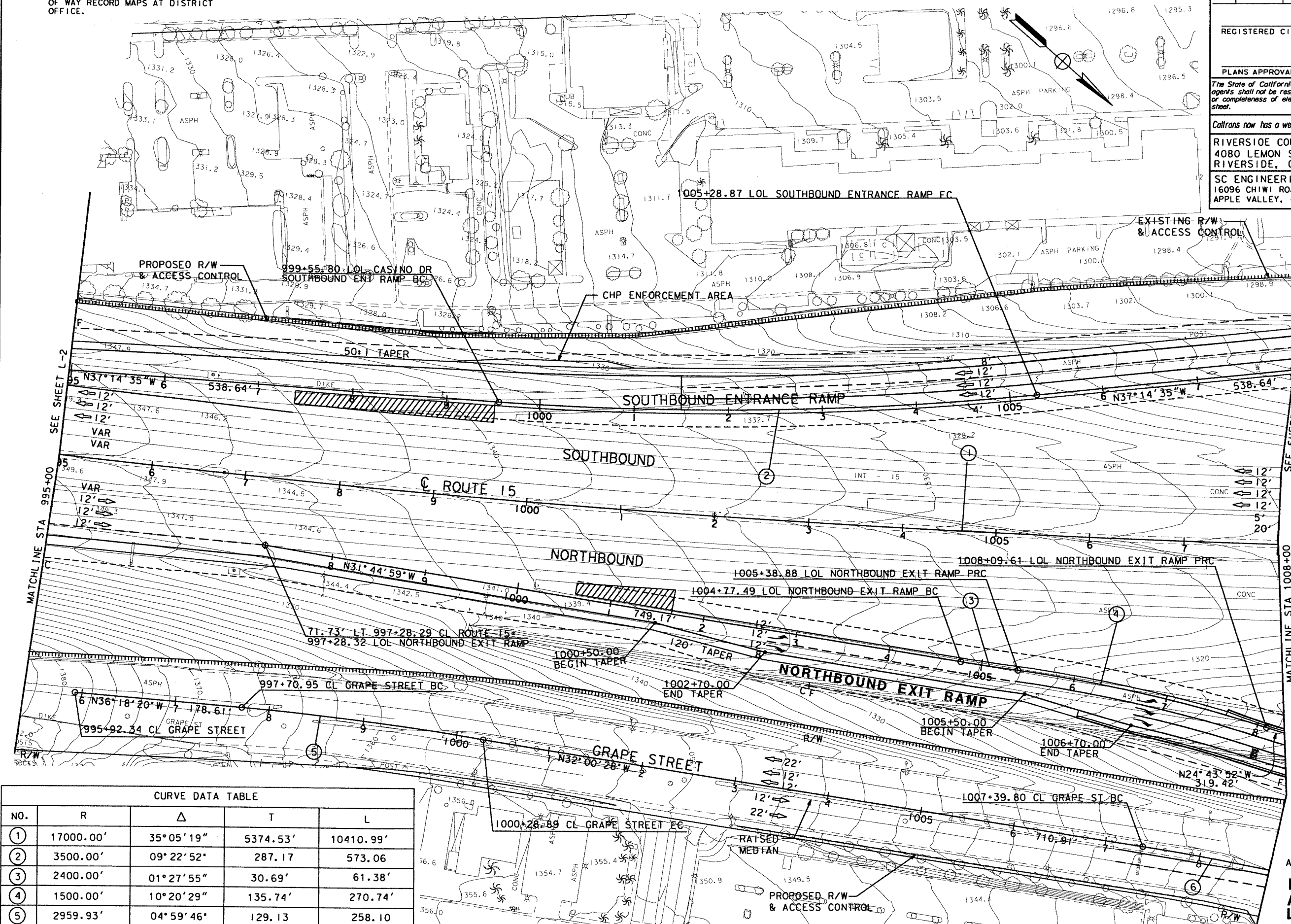
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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307



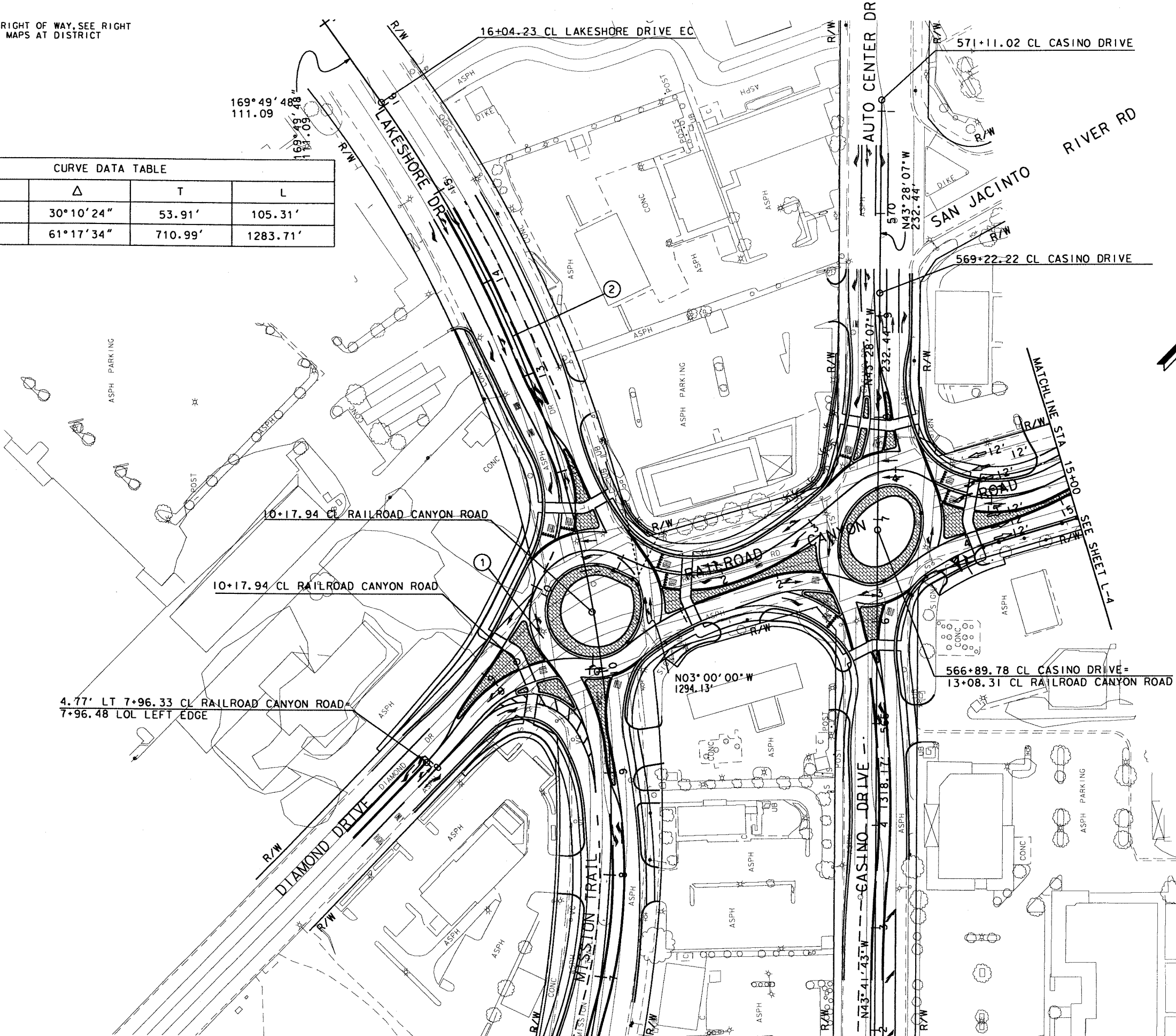
CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10410.99'
②	3500.00'	09°22'52"	287.17	573.06
③	2400.00'	01°27'55"	30.69'	61.38'
④	1500.00'	10°20'29"	135.74'	270.74'
⑤	2959.93'	04°59'46"	129.13	258.10
⑥	2400.00'	08°42'57"	182.90'	365.09'

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 4
LAYOUT**
SCALE: 1"=50'

L-4

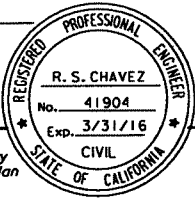
NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	200.00'	30°10'24"	53.91'	105.31'
②	1200.00'	61°17'34"	710.99'	1283.71'



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER



PLANS APPROVAL DATE

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

PHASE 1 PROJECT ALTERNATIVE 4 LAYOUT

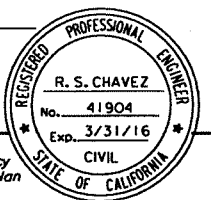
SCALE: 1" = 50'

- 5

THIS PLAN ACCURATE FOR LAYOUT WORK ONLY.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	R1v	15	18.3/21.0		

REGISTERED CIVIL ENGINEER



PLANS APPROVAL DATE

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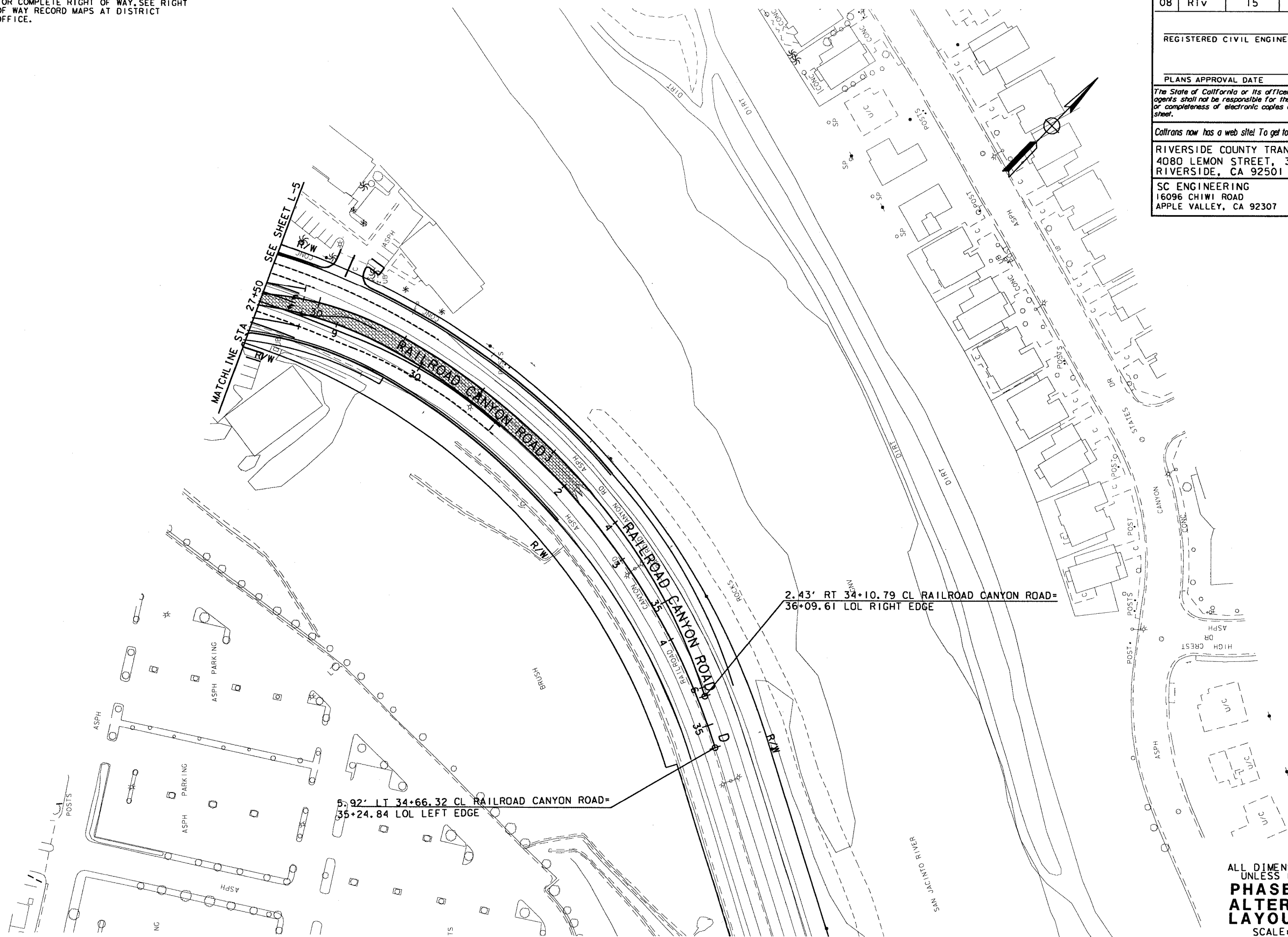
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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

NOTE:
FOR COMPLETE RIGHT OF WAY. SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN OVERSIGHT	CALCULATED/ DESIGNED BY	REVISD BY	DATE
Caltrans	DU LU	CHECKED BY	DATE REVISD	



2.43' RT 34+10.79 CL RAILROAD CANYON ROAD=
36+09.61 LOL RIGHT EDGE

5.92' LT 34+66.32 CL RAILROAD CANYON ROAD=
35+24.84 LOL LEFT EDGE

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

**PHASE 1 PROJECT
ALTERNATIVE 4
LAYOUT**

SCALE: 1"=50'

THIS PLAN ACCURATE FOR LAYOUT WORK ONLY.

DATE REVISIONS BY
DATE REVISIONS BY

CALCULATED/DESIGNED BY
CHECKED BY

DESIGN OVERSIGHT
DU LU

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10410.99'
②	740.00'	21°57'08"	143.52'	283.52'
③	1200.00'	16°56'20"	178.69'	354.77'
④	10200.00'	00°19'49"	29.40'	58.79'
⑤	2400.00'	18°24'11"	388.78'	770.86'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

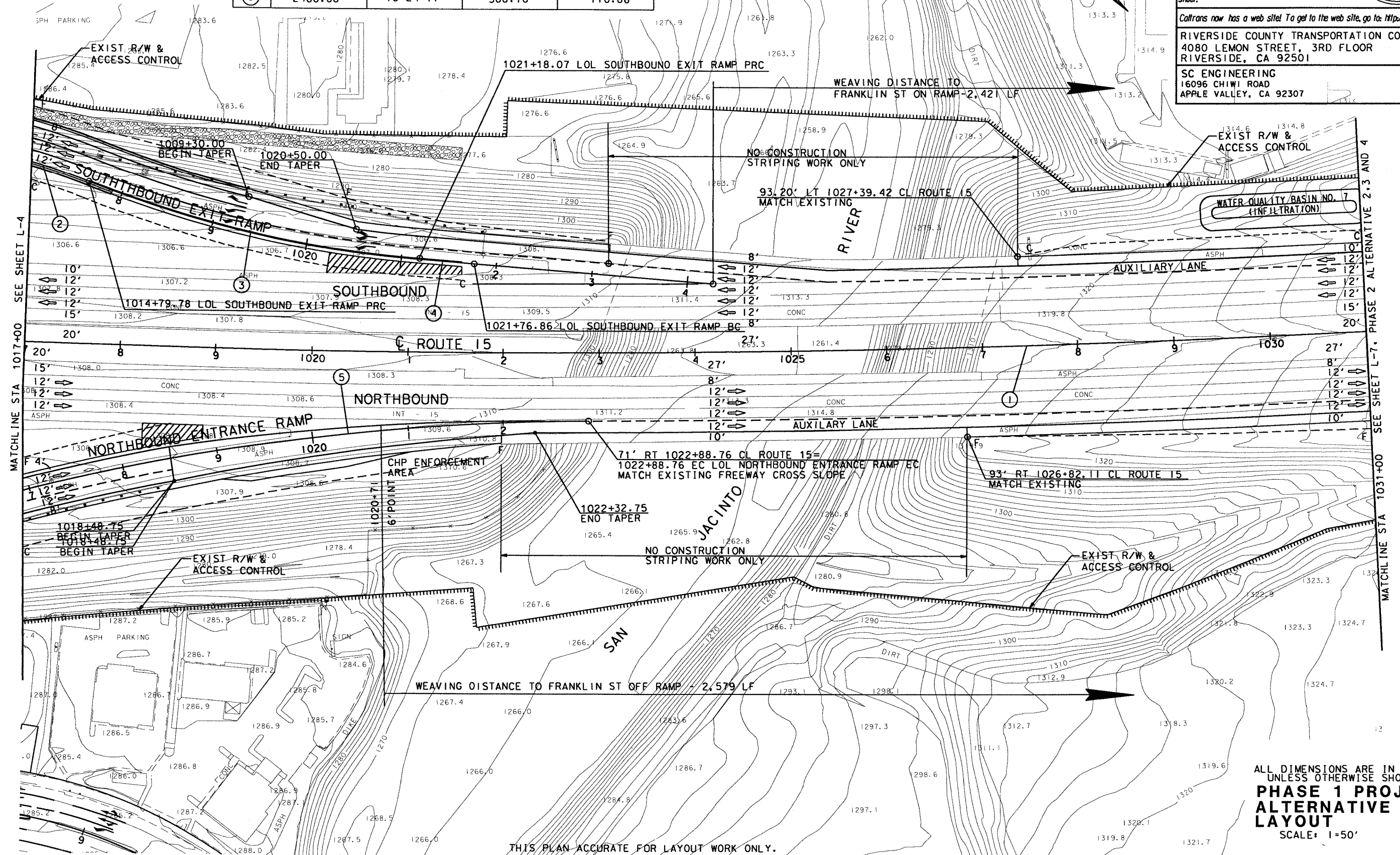
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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

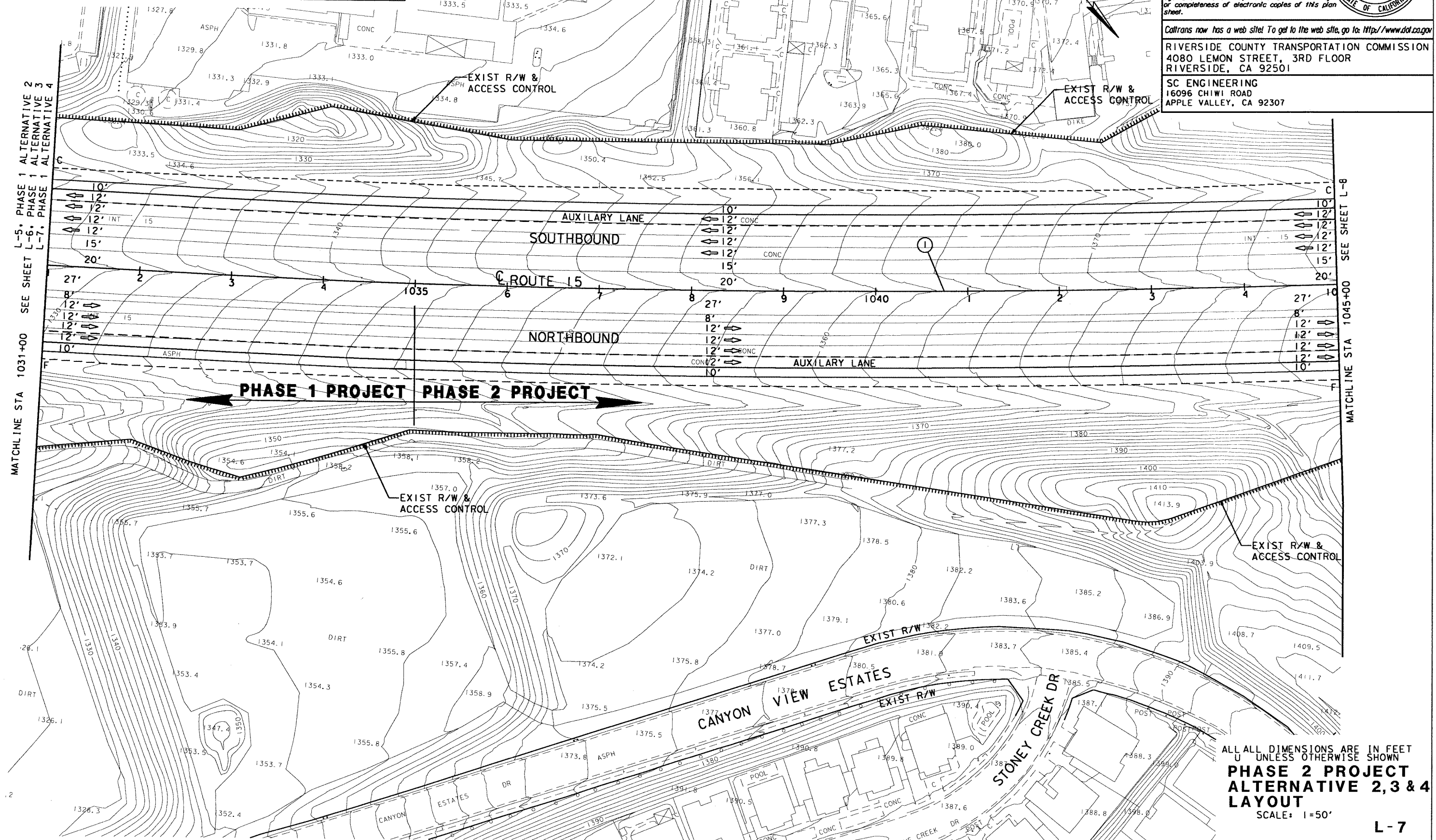


ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 1 PROJECT
ALTERNATIVE 4
LAYOUT**
SCALE: 1"=50'

L-7

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10410.99'



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

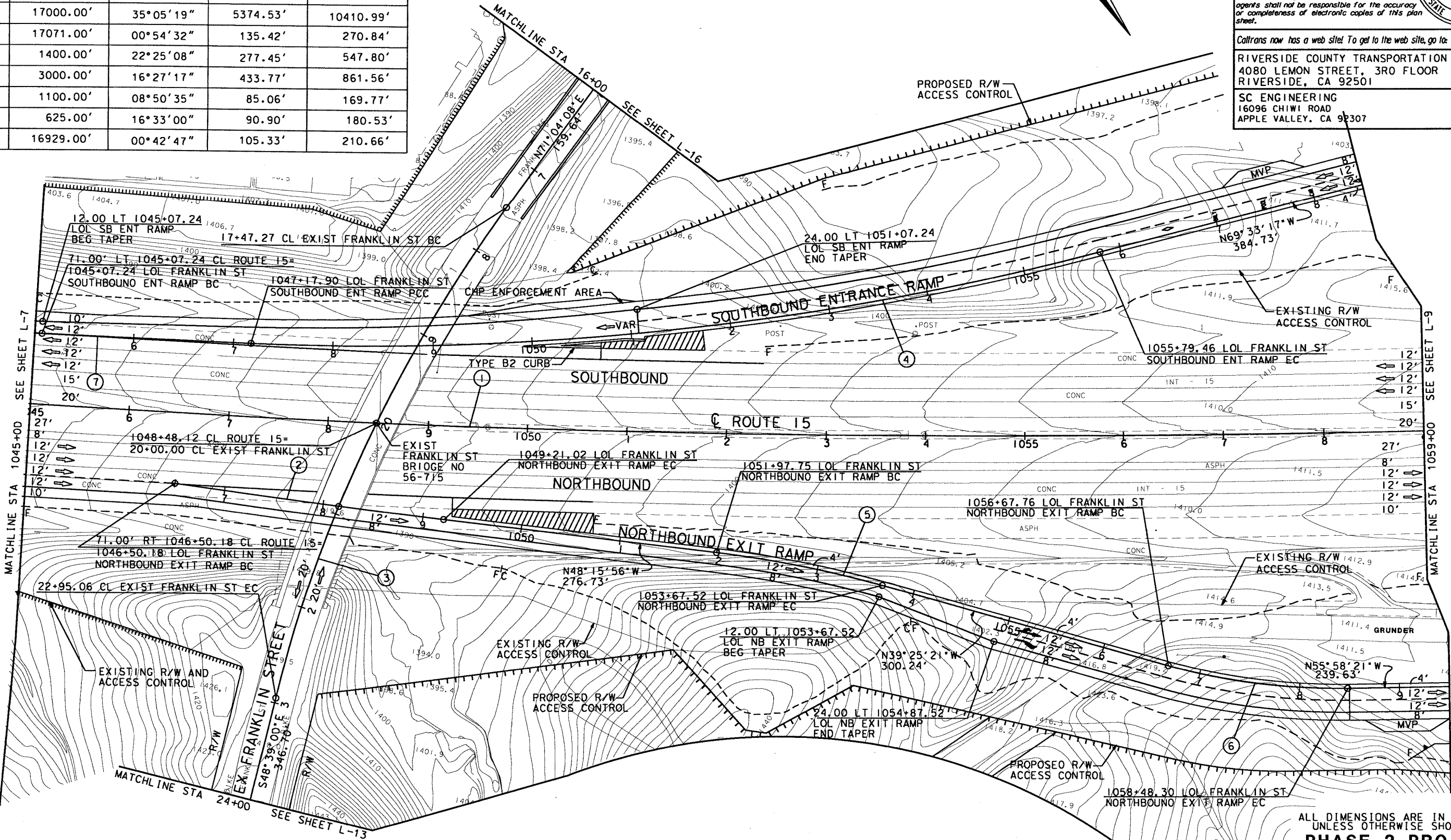
CIVIL

STATE OF CALIFORNIA

ALL ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 2 PROJECT
ALTERNATIVE 2,3 & 4
LAYOUT**
SCALE: 1=50'
L - 7

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	17000.00'	35°05'19"	5374.53'	10410.99'
②	17071.00'	00°54'32"	135.42'	270.84'
③	1400.00'	22°25'08"	277.45'	547.80'
④	3000.00'	16°27'17"	433.77'	861.56'
⑤	1100.00'	08°50'35"	85.06'	169.77'
⑥	625.00'	16°33'00"	90.90'	180.53'
⑦	16929.00'	00°42'47"	105.33'	210.66'



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 91307

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 2 PROJECT
ALTERNATIVE 2,3 & 4
LAYOUT**
SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	DESIGN OVERSIGHT	CALCULATED/ DESIGNED BY	REVISED BY
Caltrans	DU LU	CHECKED BY	DATE REVISED

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

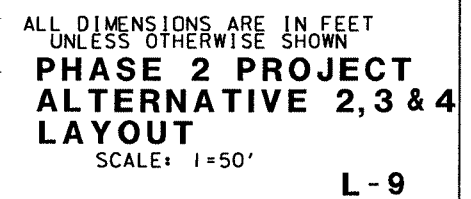
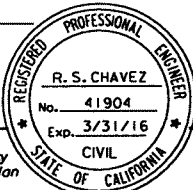
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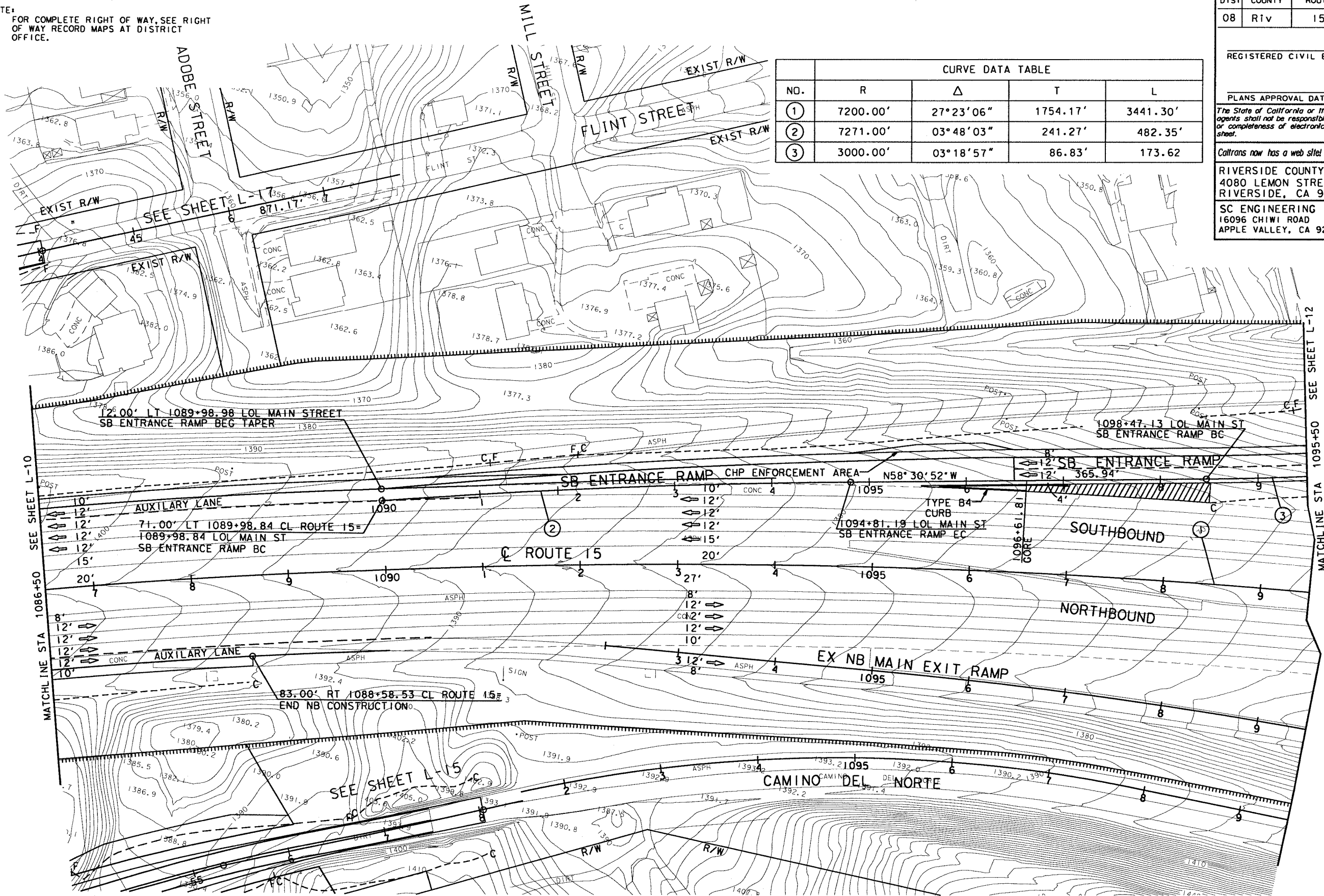
RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307



Subaru 4

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.



CURVE DATA TABLE				
NO.	R	Δ	T	L
①	7200.00'	27°23'06"	1754.17'	3441.30'
②	7271.00'	03°48'03"	241.27'	482.35'
③	3000.00'	03°18'57"	86.83'	173.62'

DIST
08

COUNTY
Riv

ROUTE
15

POST MILES
TOTAL PROJECT
18.3/21.0

SHEET
No
1

TOTAL
SHEETS
21

REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

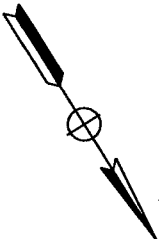
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RIVERSIDE, CA 92501

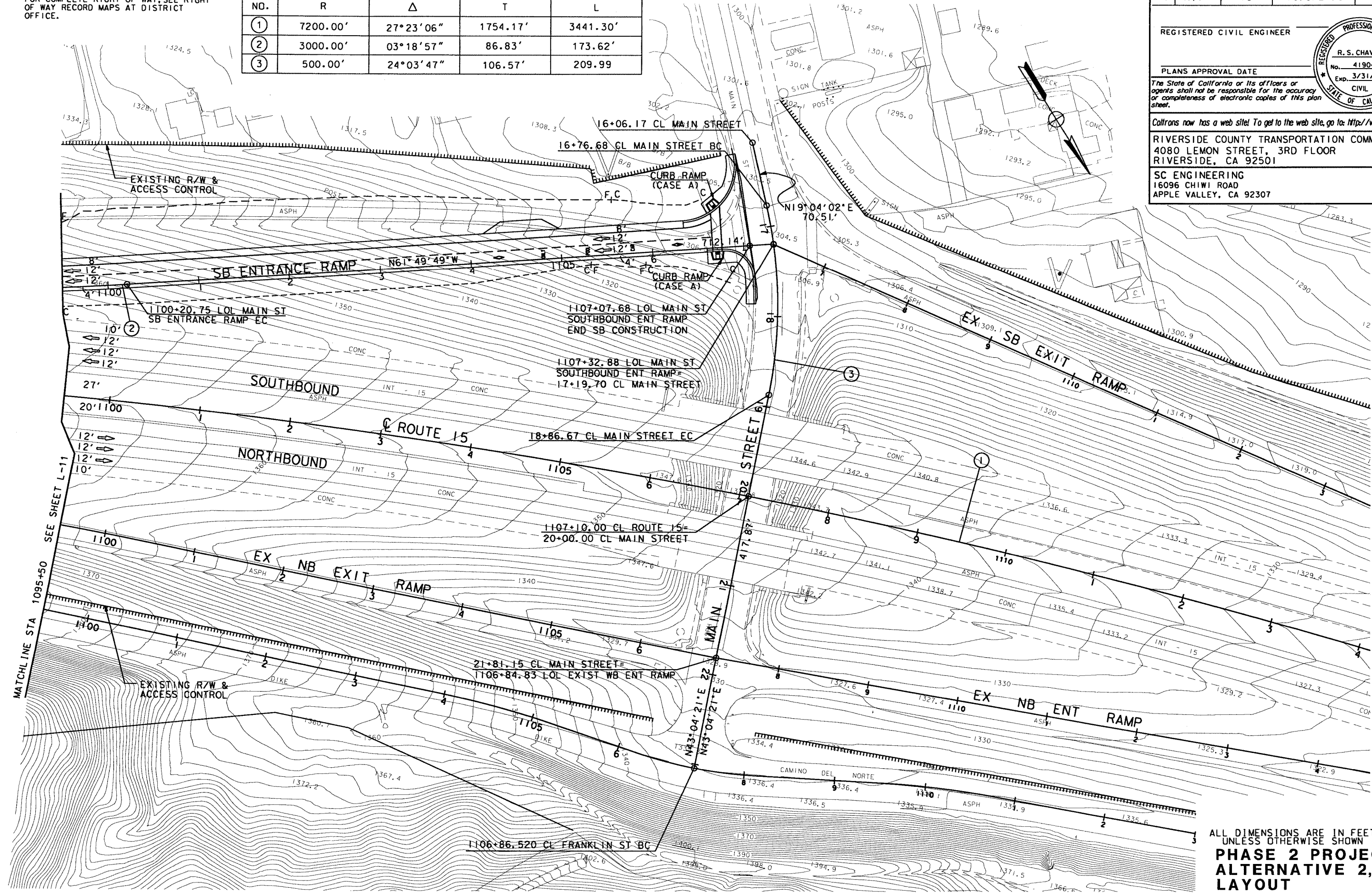
SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 2 PROJECT
ALTERNATIVE 2,3 & 4
LAYOUT**
SCALE: 1"=50'

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	7200.00'	27°23'06"	1754.17'	3441.30'
②	3000.00'	03°18'57"	86.83'	173.62'
③	500.00'	24°03'47"	106.57'	209.99'



DIST08COUNTYRivROUTE15POST MILESTOTAL PROJECT18.3/21.0SHEETNoTOTAL SHEETS

REGISTERED CIVIL ENGINEER

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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 2 PROJECT
ALTERNATIVE 2, 3 & 4
LAYOUT**
SCALE: 1"=50'

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

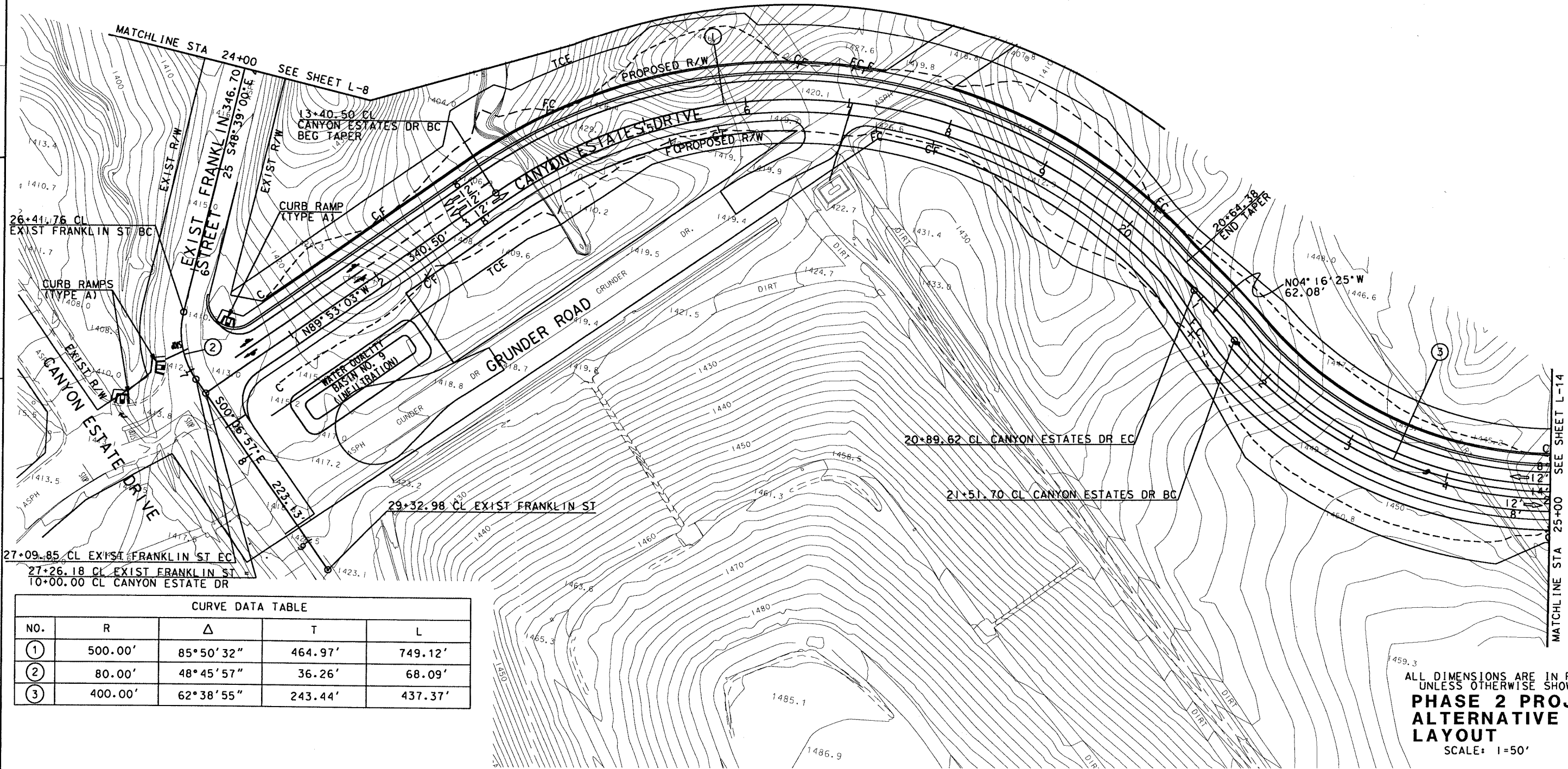
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4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

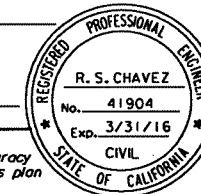


REVISED BY	
DATE REVISED	

	CURVE DATA TABLE			
NO.	R	Δ	T	L
①	400.00'	62° 38' 55"	243.44'	437.37'
②	1000.00'	22° 13' 12"	196.37'	387.81'

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER



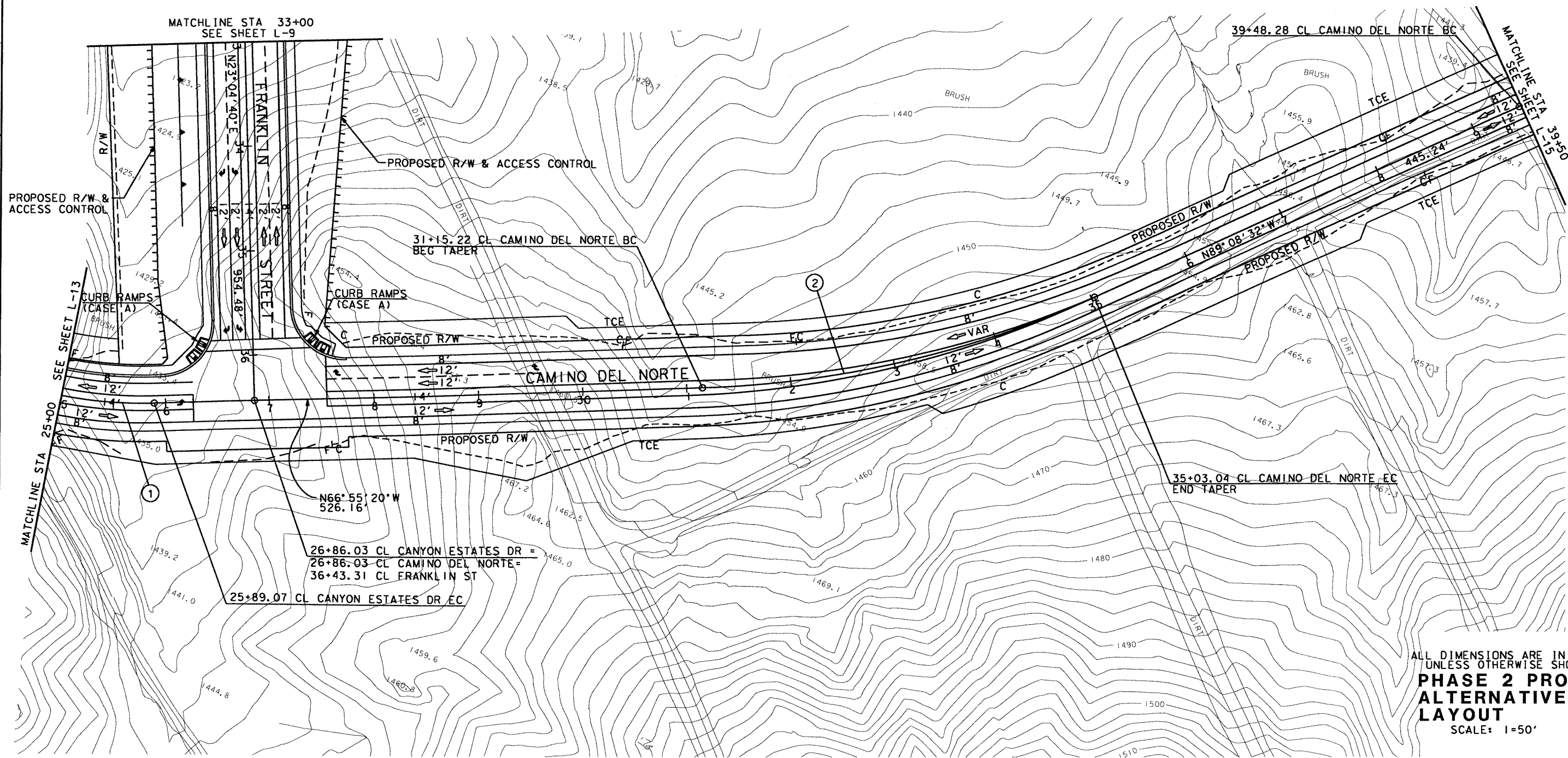
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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307



ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

**PHASE 2 PROJECT
ALTERNATIVE 2, 3 & 4
LAYOUT**

SCALE: 1=50'

L-14

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PROFESSIONAL ENGINEER
R. S. CHAVEZ
No. 41904
Exp. 3/31/16
CIVIL
STATE OF CALIFORNIA

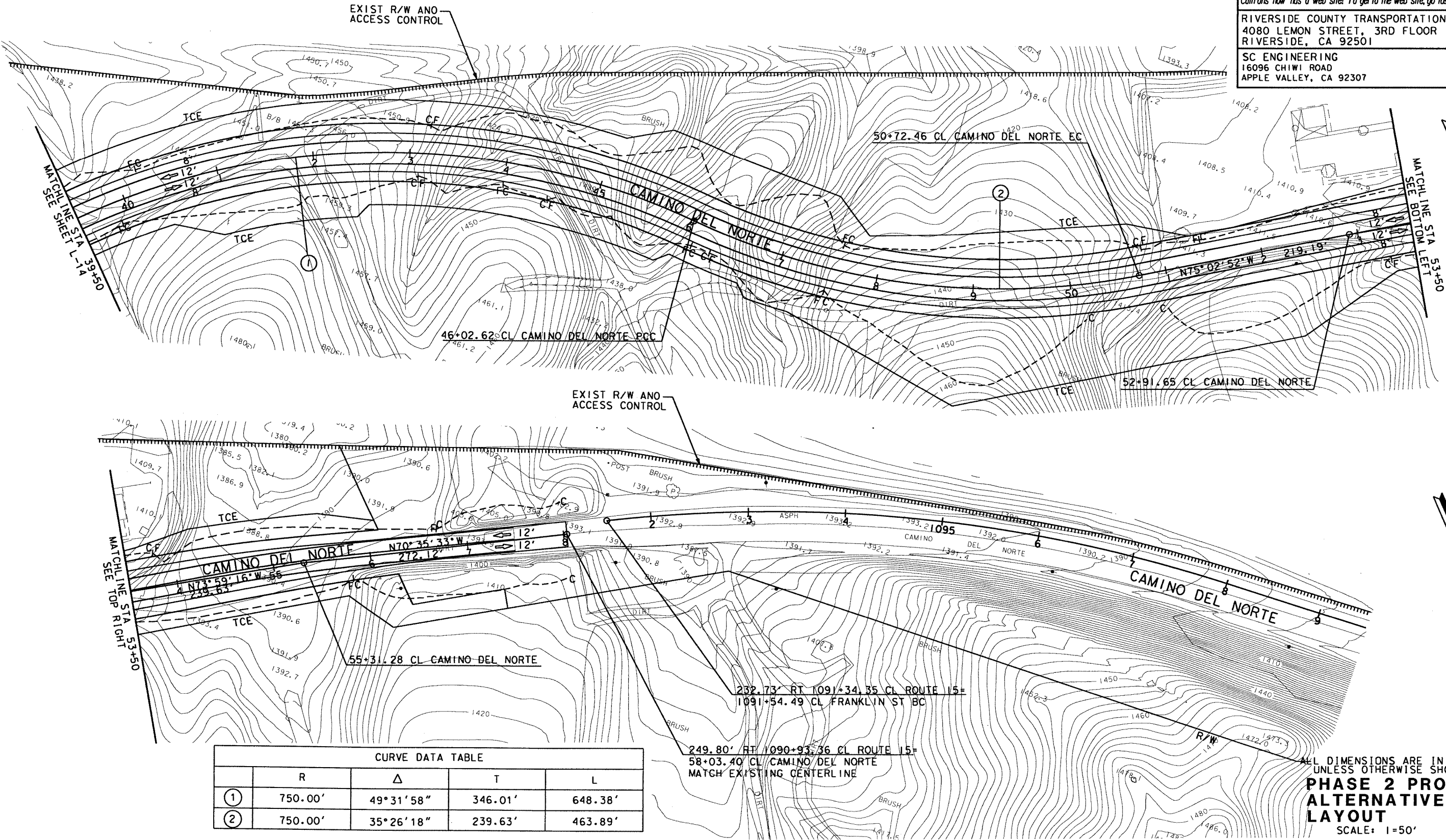
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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

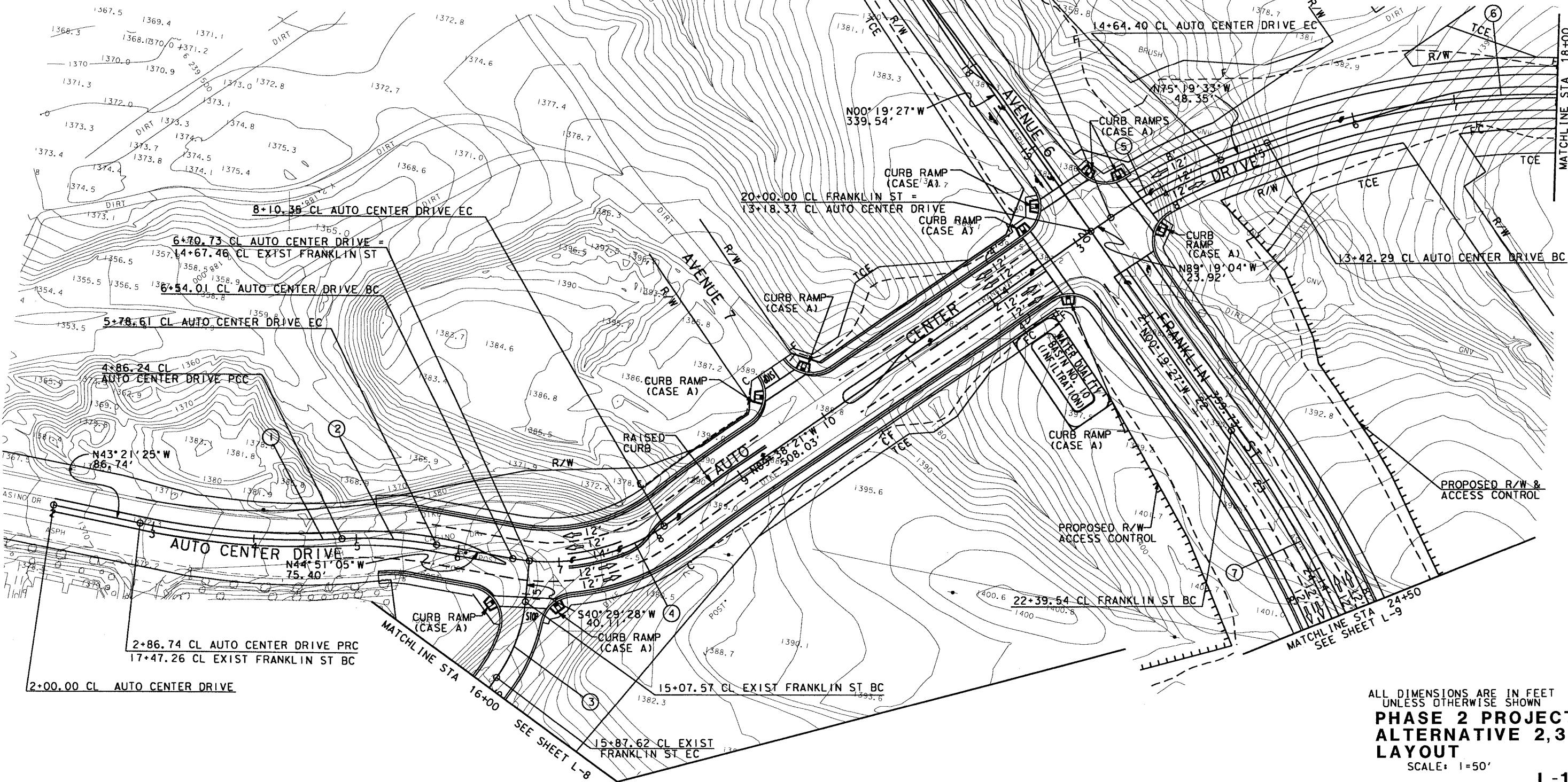


CURVE DATA TABLE				
	R	Δ	T	L
①	750.00'	49°31'58"	346.01'	648.38'
②	750.00'	35°26'18"	239.63'	463.89'

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 2 PROJECT
ALTERNATIVE 2, 3 & 4
LAYOUT**
SCALE: 1"=50'

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	750.00'	15° 14' 27"	100.34'	199.50'
②	385.00'	13° 44' 47"	46.41'	92.37'
③	150.00'	30° 34' 40"	41.00'	80.05'
④	200.00'	44° 47' 16"	82.41'	156.34'
⑤	500.00'	13° 59' 31"	61.36'	122.10'
⑥	750.00'	41° 54' 08"	287.17'	548.50'
⑦	1100.00'	23° 24' 13"	227.84'	449.32'



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
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RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

PROFESSIONAL ENGINEER
R. S. CHAVEZ
No. 41904
Exp. 3/31/16
CIVIL
STATE OF CALIFORNIA

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

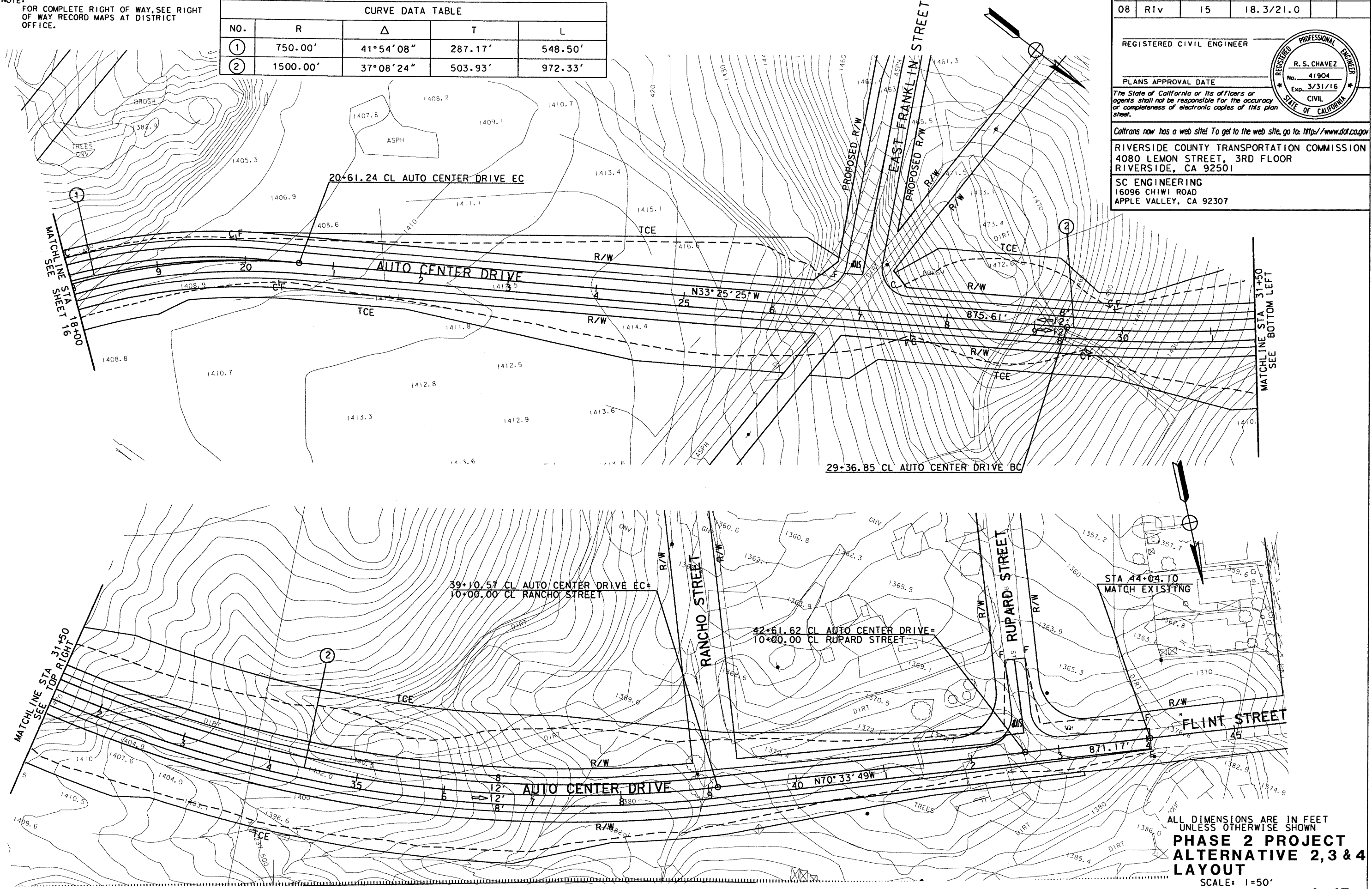
**PHASE 2 PROJECT
ALTERNATIVE 2, 3 & 4
LAYOUT**

SCALE: 1"=50'

L-16

NOTE:
FOR COMPLETE RIGHT OF WAY, SEE RIGHT
OF WAY RECORD MAPS AT DISTRICT
OFFICE.

CURVE DATA TABLE				
NO.	R	Δ	T	L
①	750.00'	41°54'08"	287.17'	548.50'
②	1500.00'	37°08'24"	503.93'	972.33'



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	RIV	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

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RIVERSIDE COUNTY TRANSPORTATION COMMISSION
4080 LEMON STREET, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHILI ROAD
APPLE VALLEY, CA 92307

REGISTERED PROFESSIONAL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN
**PHASE 2 PROJECT
ALTERNATIVE 2,3 & 4
LAYOUT**
SCALE: 1"=50'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

PROJECT OVERSIGHT ENGINEER
DU LU

DATE _____ **REVISION BY** _____ **OATE REVISION** _____
CALCULATED/DRAWN BY _____ **CHECKED BY** _____

DIST 08 **COUNTY** Riv **ROUTE** 15 **POST MILES TOTAL PROJECT** 18.3/21.0 **SHEET NO.** _____ **TOTAL SHEETS** _____

REGISTERED CIVIL ENGINEER
R. S. CHAVEZ
No. 41904
Exp. 3/31/16
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE
RIVERSIDE COUNTY
TRANSPORTATION COMMISSION
4080 LEMON ST., 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

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ROUNDABOUT DESIGN LIMITS

15.00' LT 24+22.60 LOL RAILROAD CANYON ROAD=
1012+77.00 LOL NORTHBOUND ENTRANCE RAMP BC

1012+77.12 BC
R=130' RT CS=22 MPH
1013+74.29 PCC
R=82' RT CS=20 MPH
1014+31.11 PCC
R=267' RT CS=27 MPH
1015+17.90 PCC
1015+55.30
1018+58.10 GORE
71' RT 1022+88.76 CL ROUTE 15=
1022+88.76 EC LOL NORTHBOUND ENTRANCE RAMP
MATCH EXISTING FREEWAY CROSS SLOPE

RT ETW & ES +5%
LT ETW & ES -5%
RT ETW/ES -8%
LT ETW/ES +8%
2% PER 100'
2% PER 100'

SUPERELEVATION DIAGRAM
SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10%

ROUNDABOUT DESIGN LIMITS

15.00' LT 24+22.60 LOL RAILROAD CANYON ROAD=
1012+77.00 LOL NORTHBOUND ENTRANCE RAMP BC
ELEV. 1291.20

1013+70.00 PVI
ELEV 1289.35
180' VC
DS=29 MPH
SSD=200'
4.181%
1014+60.00 PRC
ELEV 1293.66
FS
1015+55.30
1018+00.00 PVI
ELEV 1309.93
680' VC
DS=50 MPH
SSD=430'
1018+58.10 GORE
1021.40.00 EVC
ELEV 1310.95
0.300%
OG

PROFILE
RAILROAD CANYON ROAD
NORTHBOUND ENTRANCE RAMP
SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

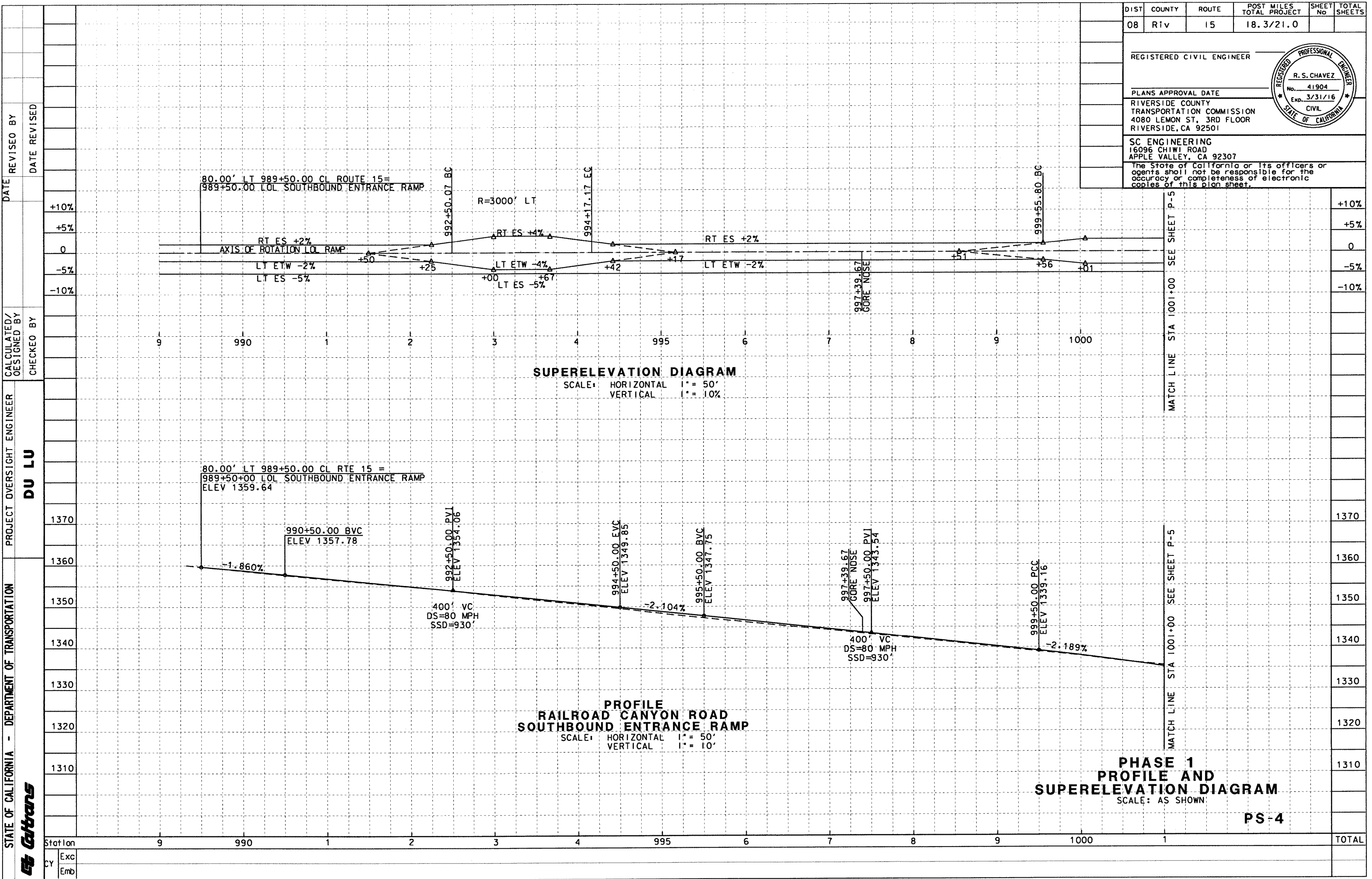
PHASE 1
PROFILE AND SUPERELEVATION DIAGRAM
SCALE: AS SHOWN

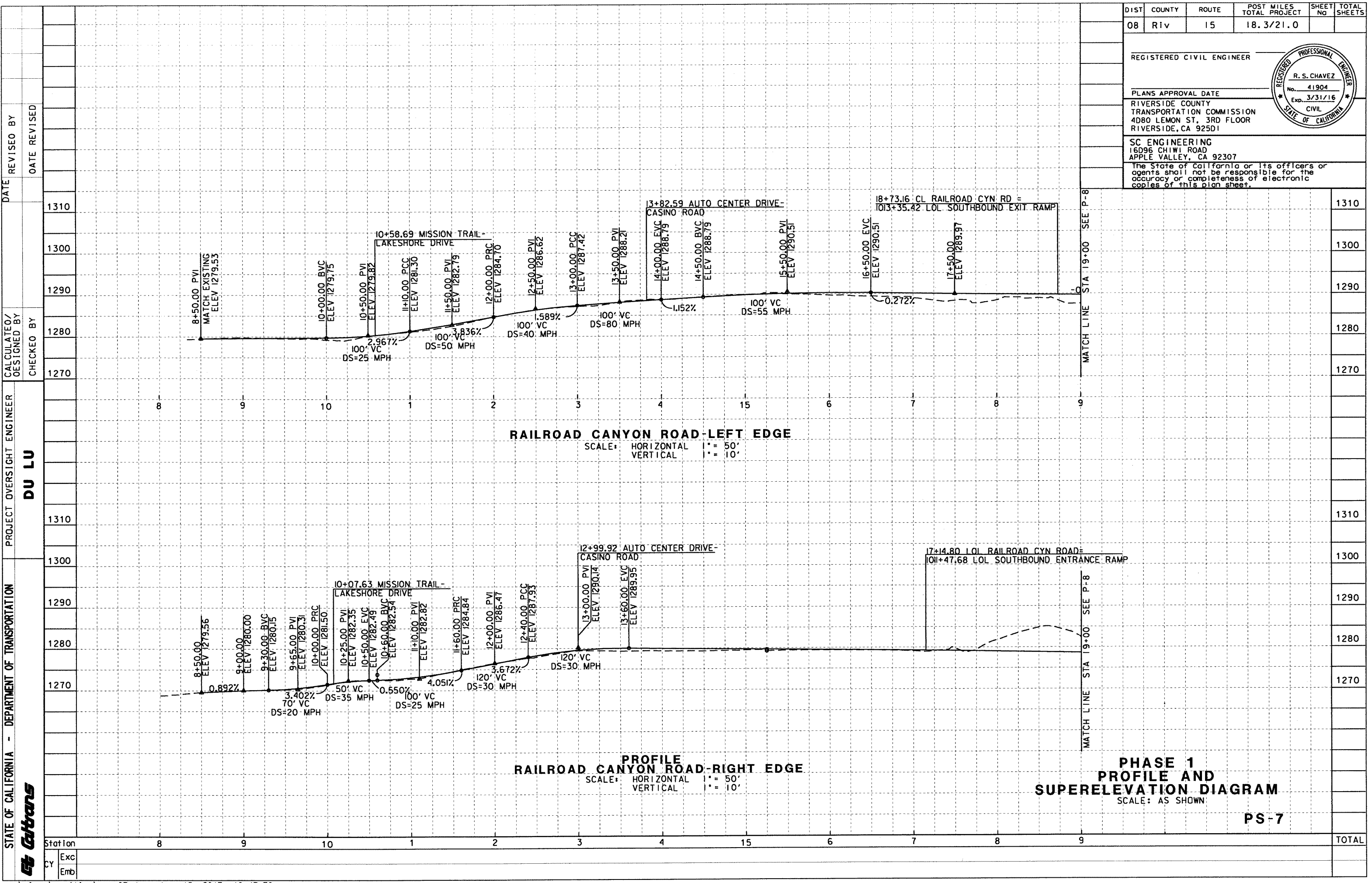
PS-1

Station 3 4 1015 6 7 8 9 1020 1 2 3

Exc
CY Emb

TOTAL





DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

RIVERSIDE COUNTY
TRANSPORTATION COMMISSION
4080 LEMON ST, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIMI ROAD
APPLE VALLEY, CA 92307

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PROFESSIONAL ENGINEER

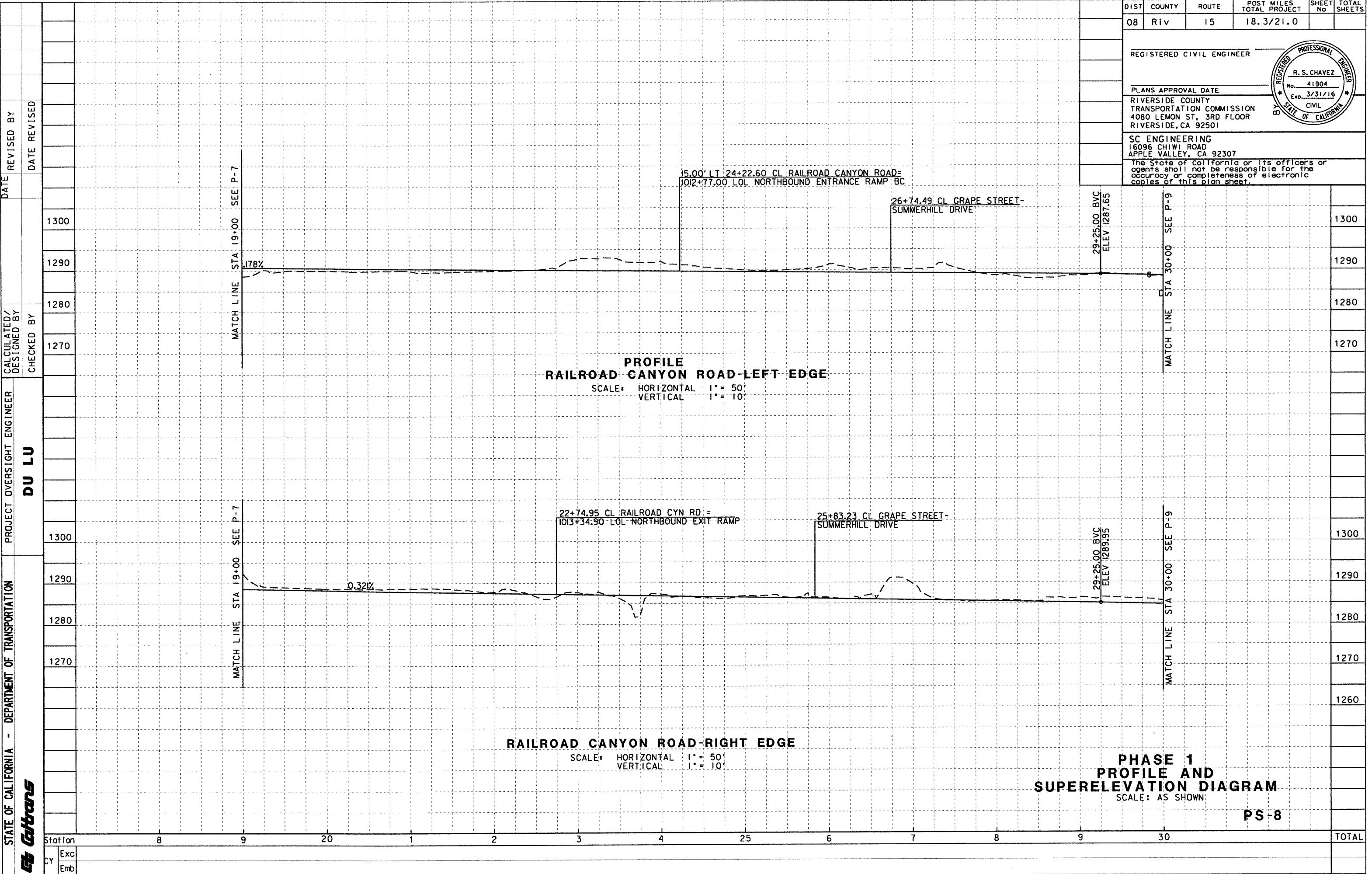
R. S. CHAVEZ

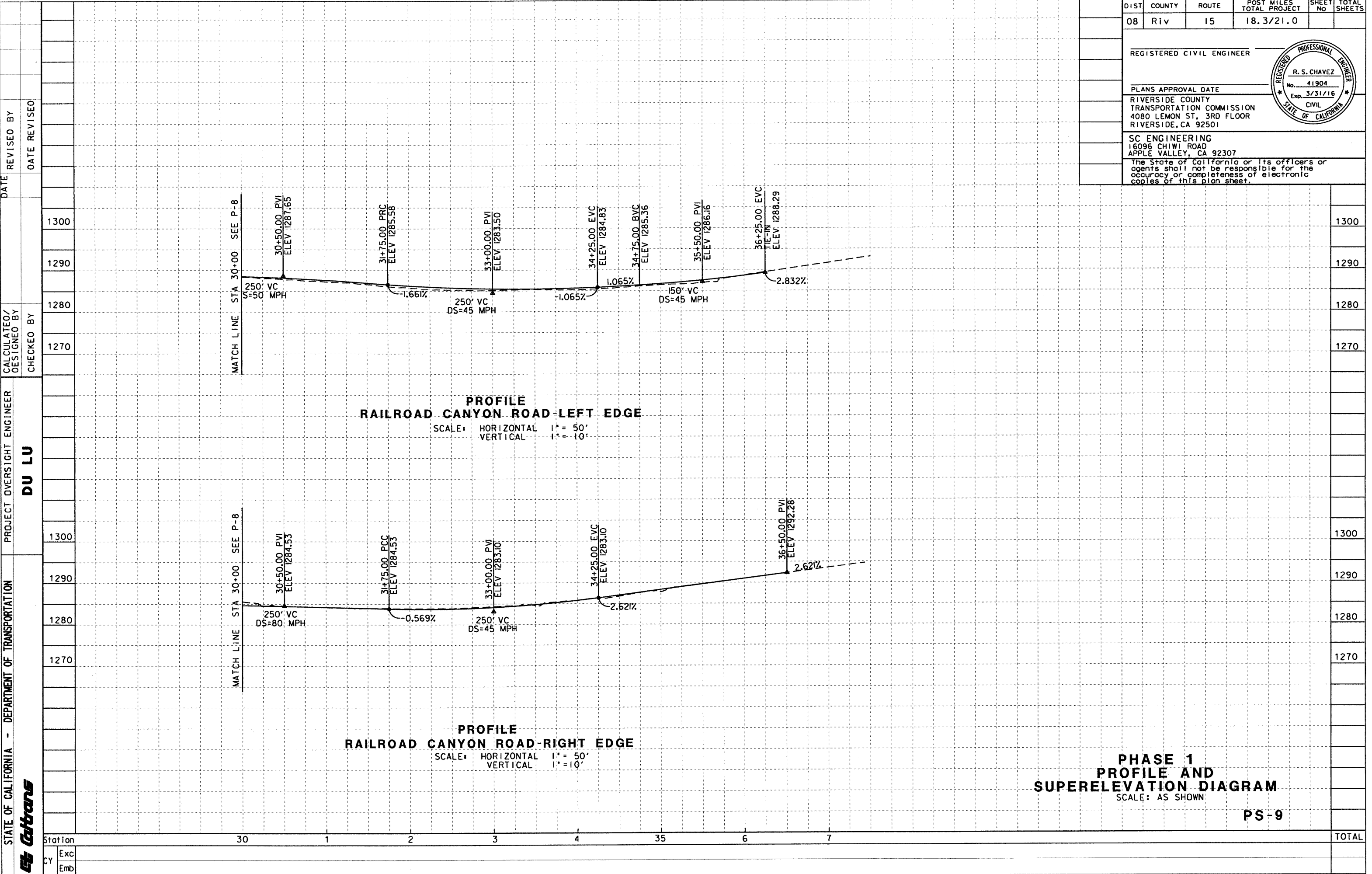
No. 41904

Exp. 3/31/16

CIVIL


STATE OF CALIFORNIA





DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER



PLANS APPROVAL DATE

RIVERSIDE COUNTY
TRANSPORTATION COMMISSION
4080 LEMON ST., 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING

16096 CHIWI ROAD
APPLE VALLEY, CA 92307

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PHASE 1
PROFILE AND
SUPERELEVATION DIAGRAM
SCALE: AS SHOWN
PS-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

PROJECT OVERSIGHT ENGINEER

DU LU

DATE

REVISED BY

DATE REVISED

CALCULATED/DESIGNED BY

CHECKED BY

Exc

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Emb

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA

PLANS APPROVAL DATE

RIVERSIDE COUNTY TRANSPORTATION COMMISSION

4080 LEMON ST., 3RD FLOOR

RIVERSIDE, CA 92501

SC ENGINEERING

16096 CHIWI ROAD

APPLE VALLEY, CA 92307

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25+94.44 CL FRANKLIN ST=

1059+48.82 LOL FRANKLIN ST

SOUTHBOUND EXIT RAMP

FACE OF CURB

1059+88.85

RT+4%

LT-4%

+35

1062+95.30 BC

R=850' RT

LT ETW & ES +10%

+75

+19

1064+98.76 EC

RT ETW & ES -10%

+39

1066+50.00 PV

ELEV 1421.26

800' VC

DS=80 MPH

SSD=930'

1067+97.28 BC

R=850' LT

RT ES +10%

+67

+33

1070+02.79 EC

LT ETW & ES -10%

+62

+38

1071+20.76

GORE

1071+29.61 BC

RT ES -2%

LT ETW -2%

LT ES -5%

+43

71' LT 1074+00.42 CL ROUTE 15=

1074+00.42 EC LOL FRANKLIN ST

SOUTHBOUND EXIT RAMP

1074+00.42 CL ROUTE 15=

1074+00.42 EC LOL FRANKLIN ST

SOUTHBOUND EXIT RAMP

ELEV 1419.01

1060

1

2

3

4

1065

6

7

8

9

1070

1

2

3

4

1440

1430

1420

1410

1400

2.00%

200' VC

DS=33 MPH

SSD=230'

1060+00.00 BVC

ELEV 1432.61

1061+00.00 PVI

ELEV 1434.61

1062+00.00 EVC

ELEV 1432.18

2.427%

1062+50.00 BVC

ELEV 1430.97

OG

FS

1064+98.76 EC

1067+97.28 BC

1070+02.79 EC

1070+50.00 EVC

ELEV 1420.06

GORE

1071+20.76

1071+29.61 BC

+0.300%

PHASE 2

PROFILE AND

SUPERELEVATION DIAGRAM

SCALE: AS SHOWN

PS-11

SUPERELEVATION DIAGRAM

SCALE: HORIZONTAL 1" = 50'

VERTICAL 1" = 10'

PROFILE

FRANKLIN ST SOUTHBOUND EXIT RAMP

SCALE: HORIZONTAL 1" = 50'

VERTICAL 1" = 10'

Station

1060

1

2

3

4

1065

6

7

8

9

1070

1

2

3

4

TOTAL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

PROJECT OVERSIGHT ENGINEER: **DU LU**

DATE: _____ DATE REVISED BY: _____ DATE REVISED: _____

CALCULATED/DESIGNED BY: _____ CHECKED BY: _____

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DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

R. S. CHAVEZ
No. 41904
Exp. 3/31/16
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE: _____

RIVERSIDE COUNTY
TRANSPORTATION COMMISSION
4080 LEMON ST, 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

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1060+87.93 LOL FRANKLIN ST
NORTHBOUND EXIT RAMP= 31+38.27 CL FRANKLIN ST

71.00' RT 1046+50.18 CL ROUTE 15= 1046+50.18 LOL FRANKLIN ST NORTHBOUND EXIT RAMP BC

R=17071' LT

RT ETW & ES +2%

LT ETW & ES +2%

1049+29.38 GORE

1049+21.02 EC

1051+97.75 BC

R=1100' RT

LT ES +9%

1053+67.52 EC

RT ETW & ES -9%

1056+67.76 BC

R=625' LT

RT ETW & ES +11%

AXIS OF ROTATION LOL RAMP

1058+48.30 EC

1060+87.93 LOL FRANKLIN ST NORTHBOUND EXIT RAMP= 31+38.27 CL FRANKLIN ST

FACE OF CURB 1060+48.84

1060+87.93 LOL FRANKLIN ST NORTHBOUND EXIT RAMP= 31+38.27 CL FRANKLIN ST ELEV 1443.21

1060+25.00 EVC ELEV 1441.95

200' VC OS=38 MPH SSD=290'

1059+00.00 PVI ELEV 1439.45

1058+48.30 EC

1057+75.60 BVC ELEV 1432.35

5.680%

1057+00.00 EVC ELEV 1428.09

1056+67.76 BC

1053+67.75 EC

800' VC DS=80 MPH SSD=930'

1053+00.00 PVI ELEV 1405.37

1049+29.38 GORE

1049+21.02 EC

1049+00.00 BVC ELEV 1392.69

1393.33

20.26' Min Vertical Clearance

OLD FRANKLIN ST BRIDGE NO 56-715

3.171%

71' RT 1046+50.18 CL ROUTE 15= 1046+50.18 LOL FRANKLIN ST NORTHBOUND EXIT RAMP ELEV 1384.77 BC

FS

OG

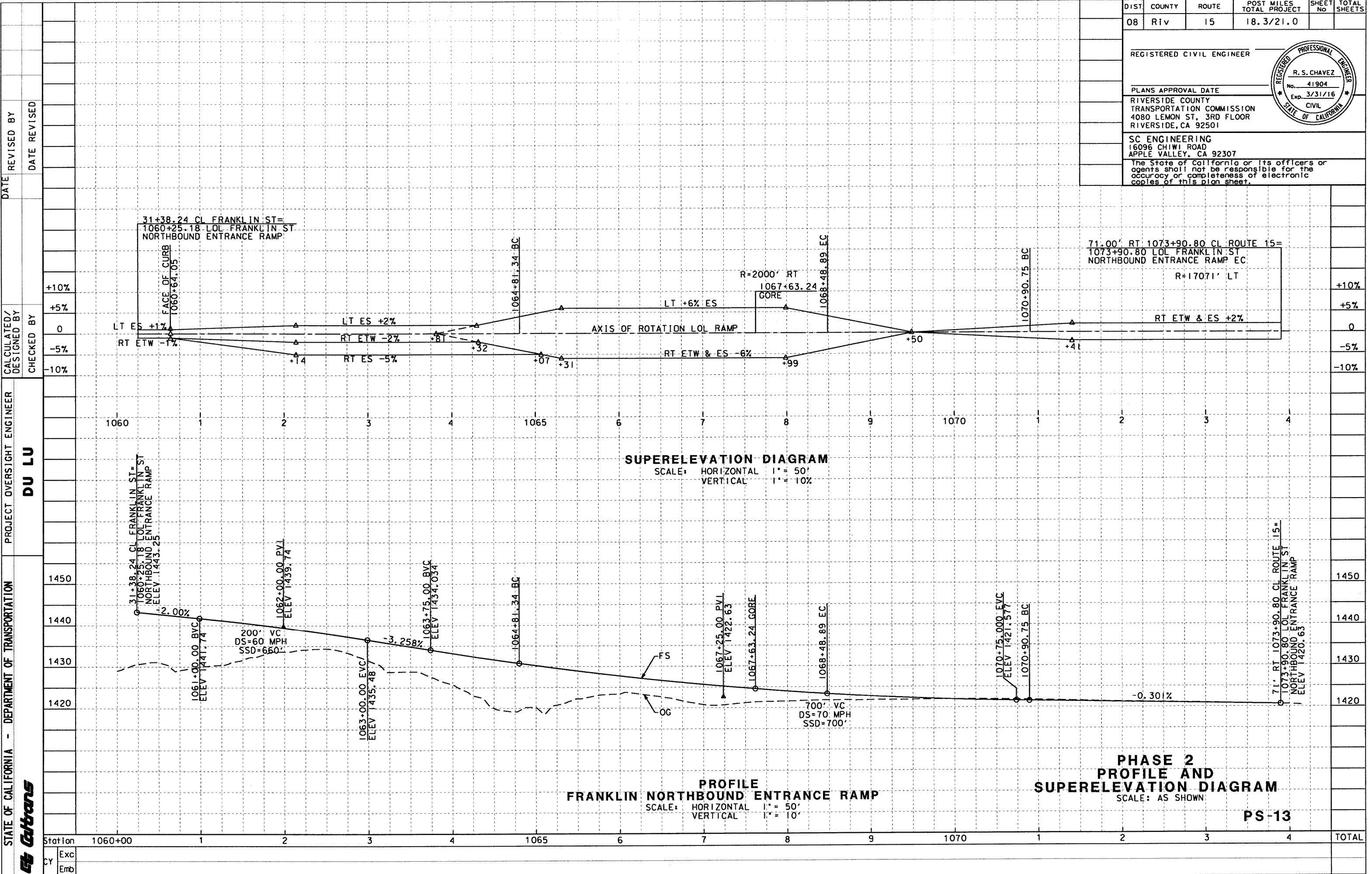
**PHASE 2
PROFILE AND
SUPERELEVATION DIAGRAM**
SCALE: AS SHOWN

PS-12

FRANKLIN ST NORTHBOUND EXIT RAMP
SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

SUPERELEVATION DIAGRAM
SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10%

Station 7 8 9 1050 1 2 3 4 1055 6 7 8 9 1060 1 TOTAL



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

RIVERSIDE COUNTY
TRANSPORTATION COMMISSION
4080 LEMON ST. 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

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REGISTERED PROFESSIONAL ENGINEER

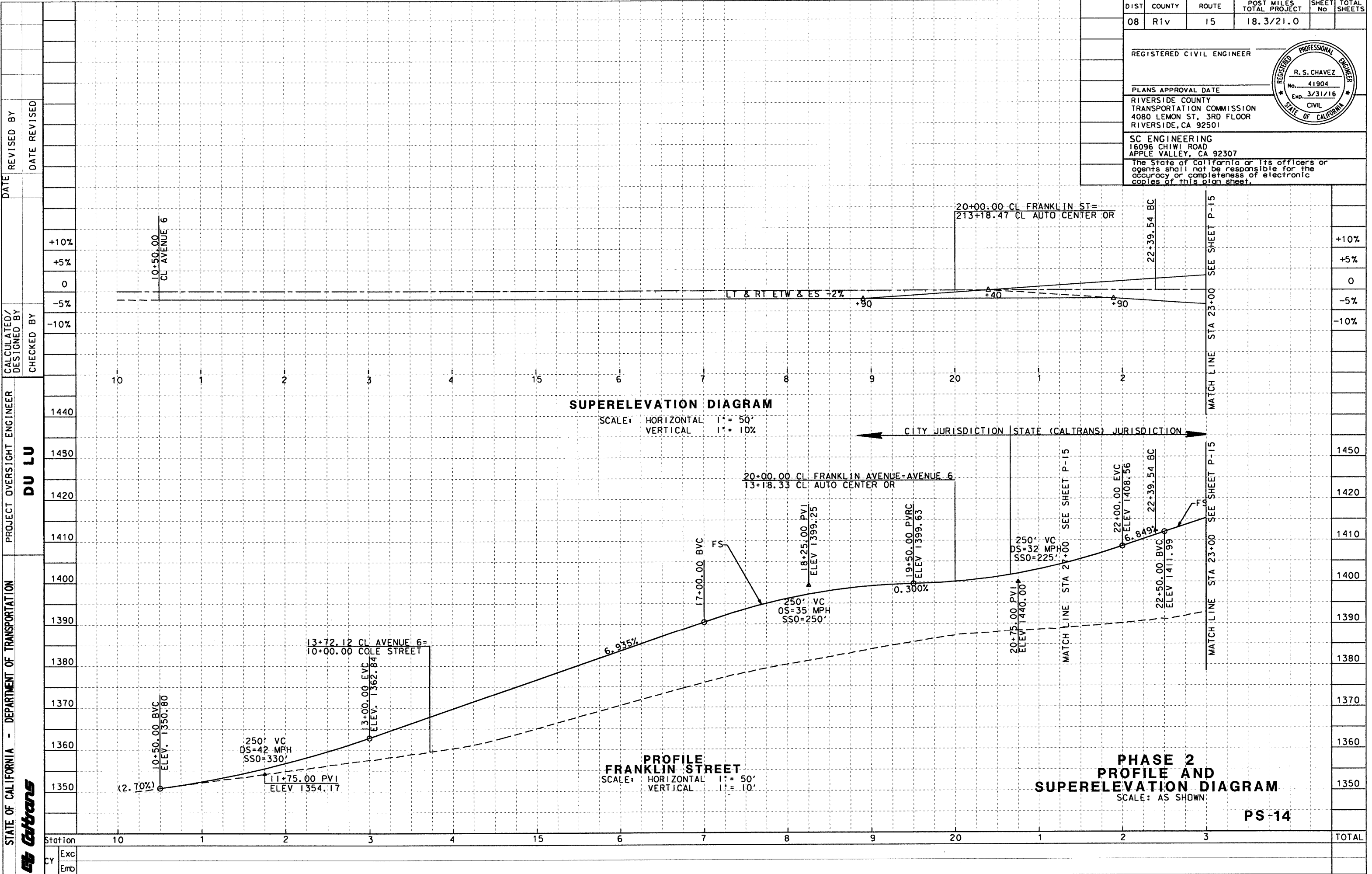
R. S. CHAVEZ

No. 41904

Exp. 3/31/16

CIVIL

STATE OF CALIFORNIA



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

PROJECT OVERSIGHT ENGINEER: **DU LU**

DATE REVISIONS BY:

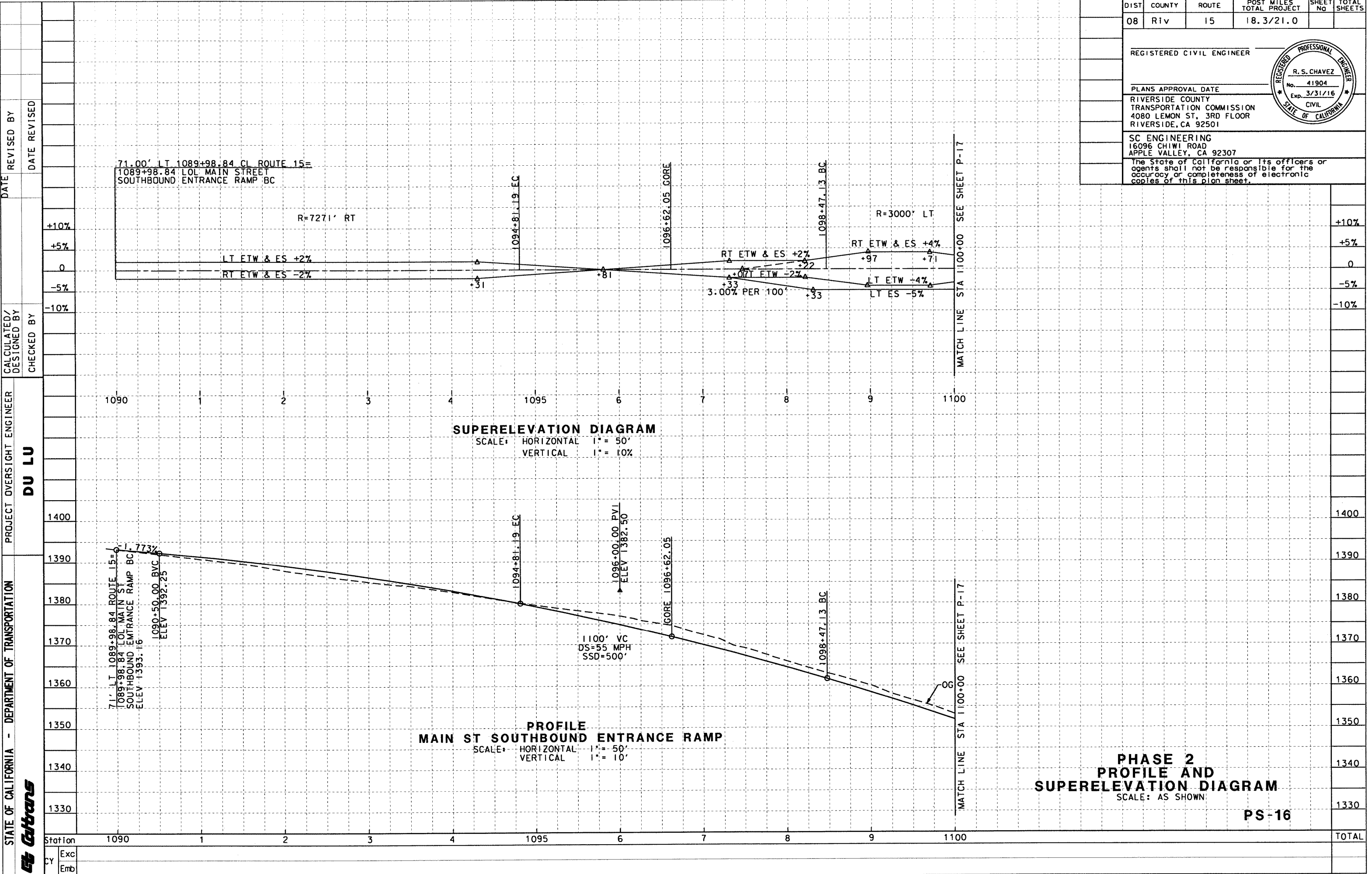
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CALCULATED/DESIGNED BY: **DU LU**

CHECKED BY: **DU LU**

DATE REVISIONS BY:

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

PROJECT OVERSIGHT ENGINEER: DU LU

REGISTERED CIVIL ENGINEER: R. S. CHAVEZ, No. 41904, Exp. 3/31/16

PLANS APPROVAL DATE: RIVERSIDE COUNTY TRANSPORTATION COMMISSION, 4080 LEMON ST., 3RD FLOOR, RIVERSIDE, CA 92501

SC ENGINEERING, 16096 CHIWI ROAD, APPLE VALLEY, CA 92307

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PHASE 2 PROFILE AND SUPERELEVATION DIAGRAM

SCALE: AS SHOWN

PS-17

Station: 1100, 1, 2, 3, 4, 1105, 6, 7, TOTAL

Exc, Emb

1107+32.89 LOL MAIN STREET SOUTHBOUND ENTRANCE RAMP= 17+19.70 CL MAIN STREET

RT ETW & ES +2%
LT ETW -2%
LT ES -5%

FACE OF CURB 1107+01.74

1101+50.00 EVC ELEV 1340.87

FS

-7.569%

1105+00.00 BVC ELEV 1314.38

200' VC DS=30 MPH SSD=200'

1106+00.00 PVI ELEV 1306.81

1107+00.00 EVC ELEV 1304.81

1107+32.89 LOL MAIN STREET SOUTHBOUND ENTRANCE RAMP= 17+19.70 CL MAIN STREET ELEV 1305.12

0.943%
-2.00%

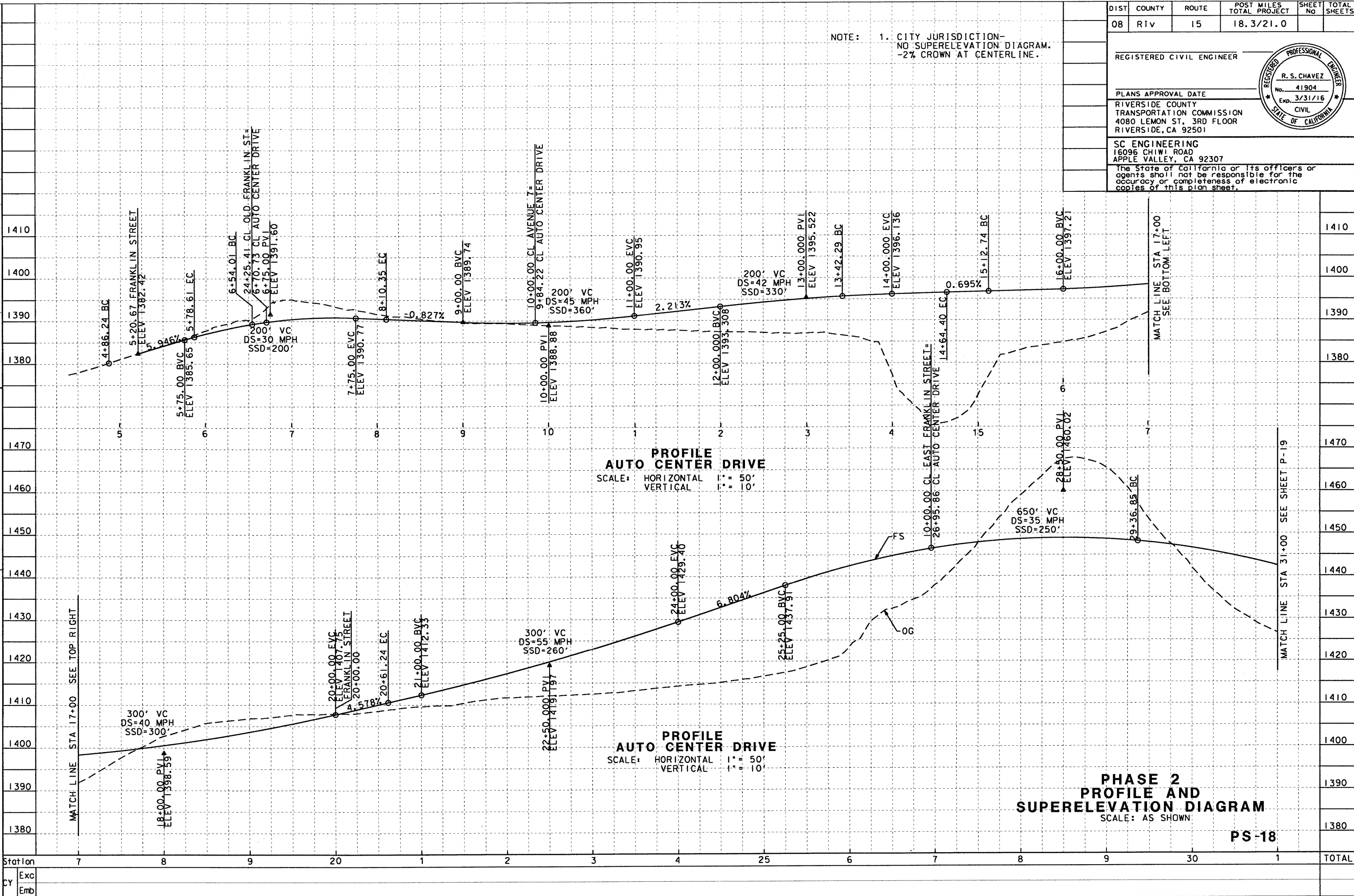
SUPERELEVATION DIAGRAM

SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

PROFILE MAIN ST SOUTHBOUND ENTRANCE RAMP

SCALE: HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

Et Caltrans



**PHASE 2
PROFILE AND
SUPERELEVATION DIAGRAM**
SCALE: AS SHOWN

PS-1

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO	TOTAL SHEETS
08	Riv	15	18.3/21.0		

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

RIVERSIDE COUNTY
TRANSPORTATION COMMISSION
4080 LEMON ST. 3RD FLOOR
RIVERSIDE, CA 92501

SC ENGINEERING
16096 CHIWI ROAD
APPLE VALLEY, CA 92307

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A circular professional engineer seal for the State of California. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. The center of the seal contains the name "R. S. CHAVEZ", the license number "No. 41904", and the expiration date "Exp. 3/31/16". Below the expiration date, the word "CIVIL" is written.

