

Appendix G. Design Plans

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	1	5

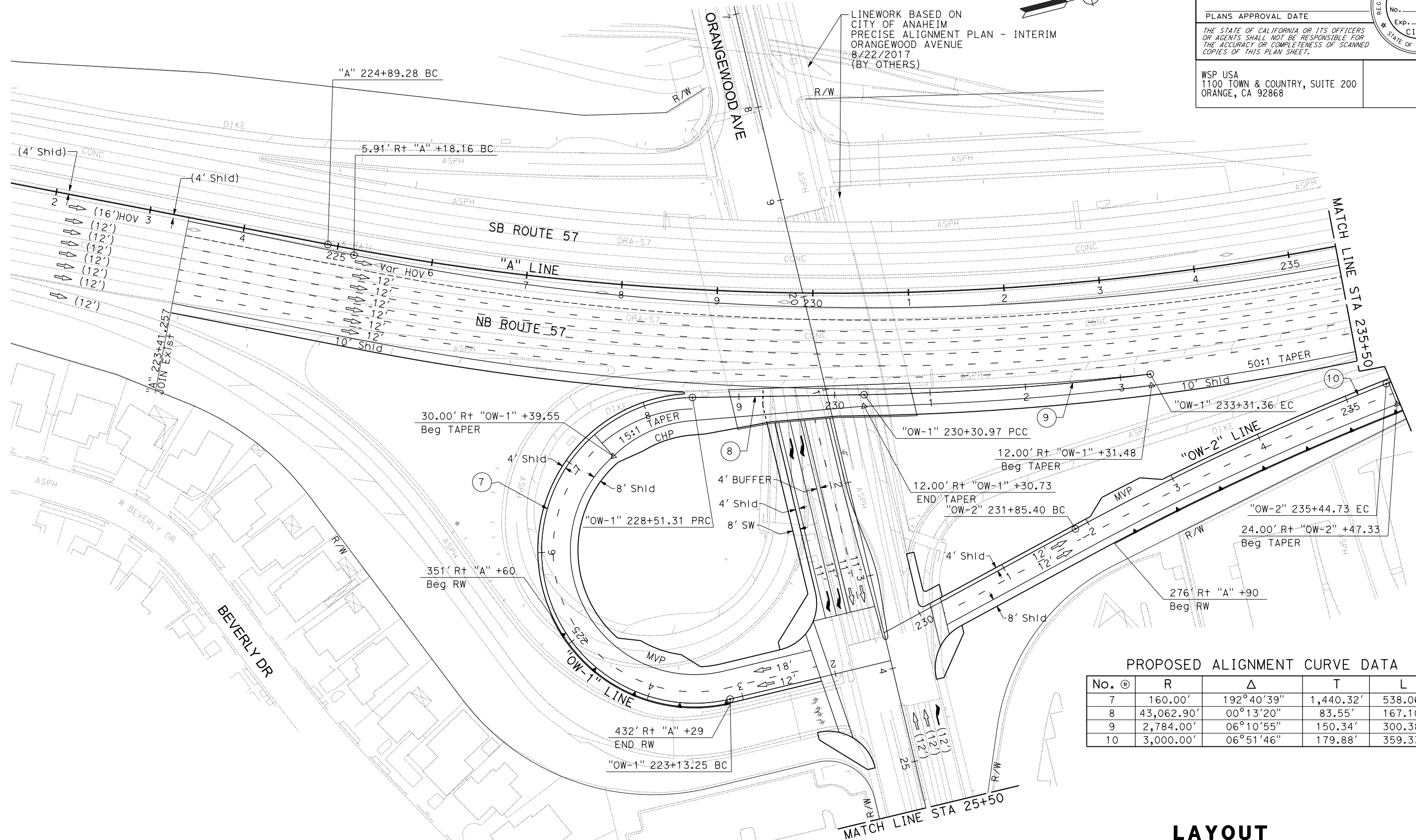
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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WSP USA
1100 TOWN & COUNTRY, SUITE 200
ORANGE, CA 92868



LAYOUT ALTERNATIVE 2

SCALE 1" = 50'

L-1

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	2	5

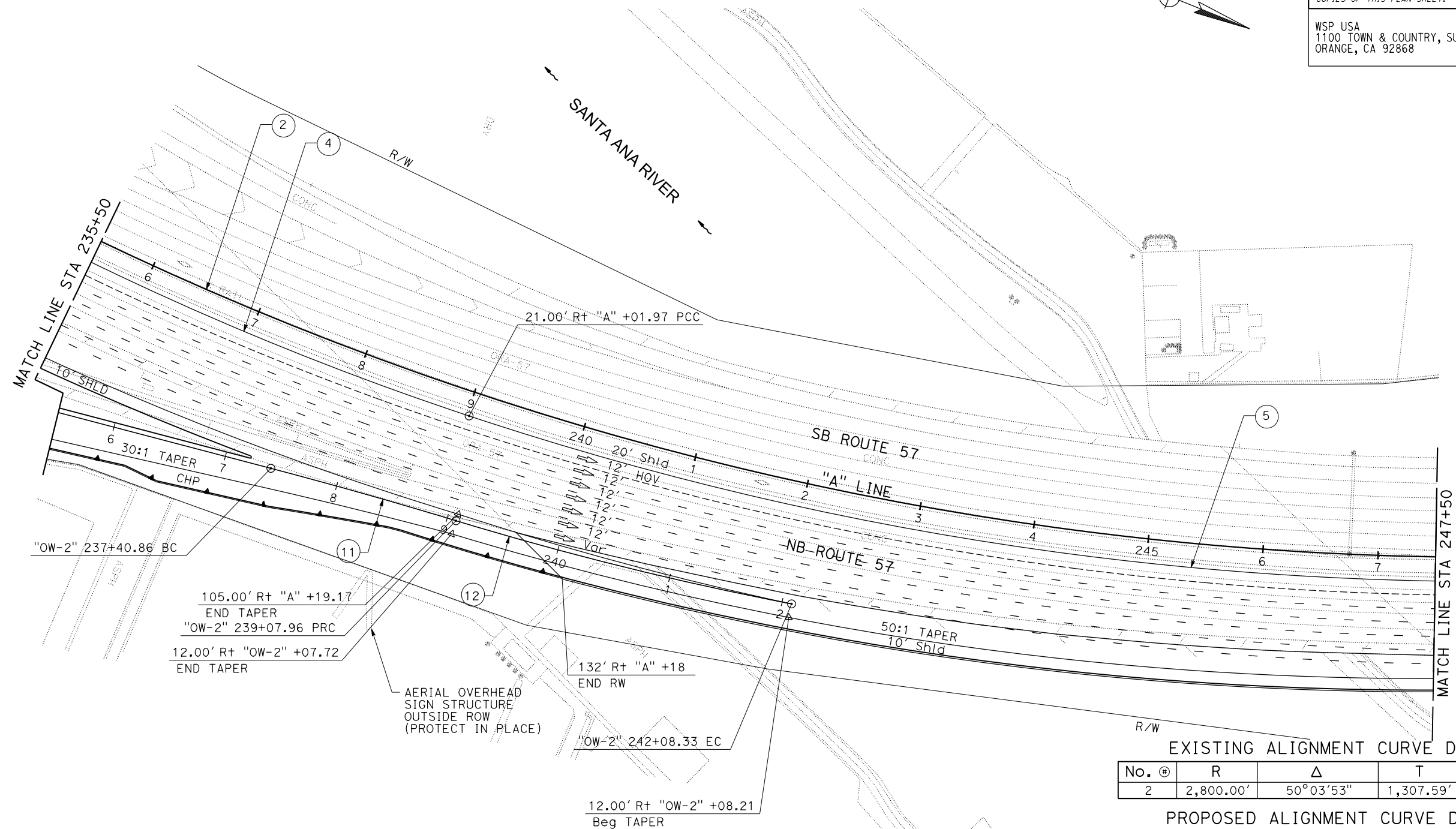
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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ORANGE, CA 92868



EXISTING ALIGNMENT CURVE DATA

No. ③	R	Δ	T	L
2	2,800.00'	50°03'53"	1,307.59'	2,446.62'

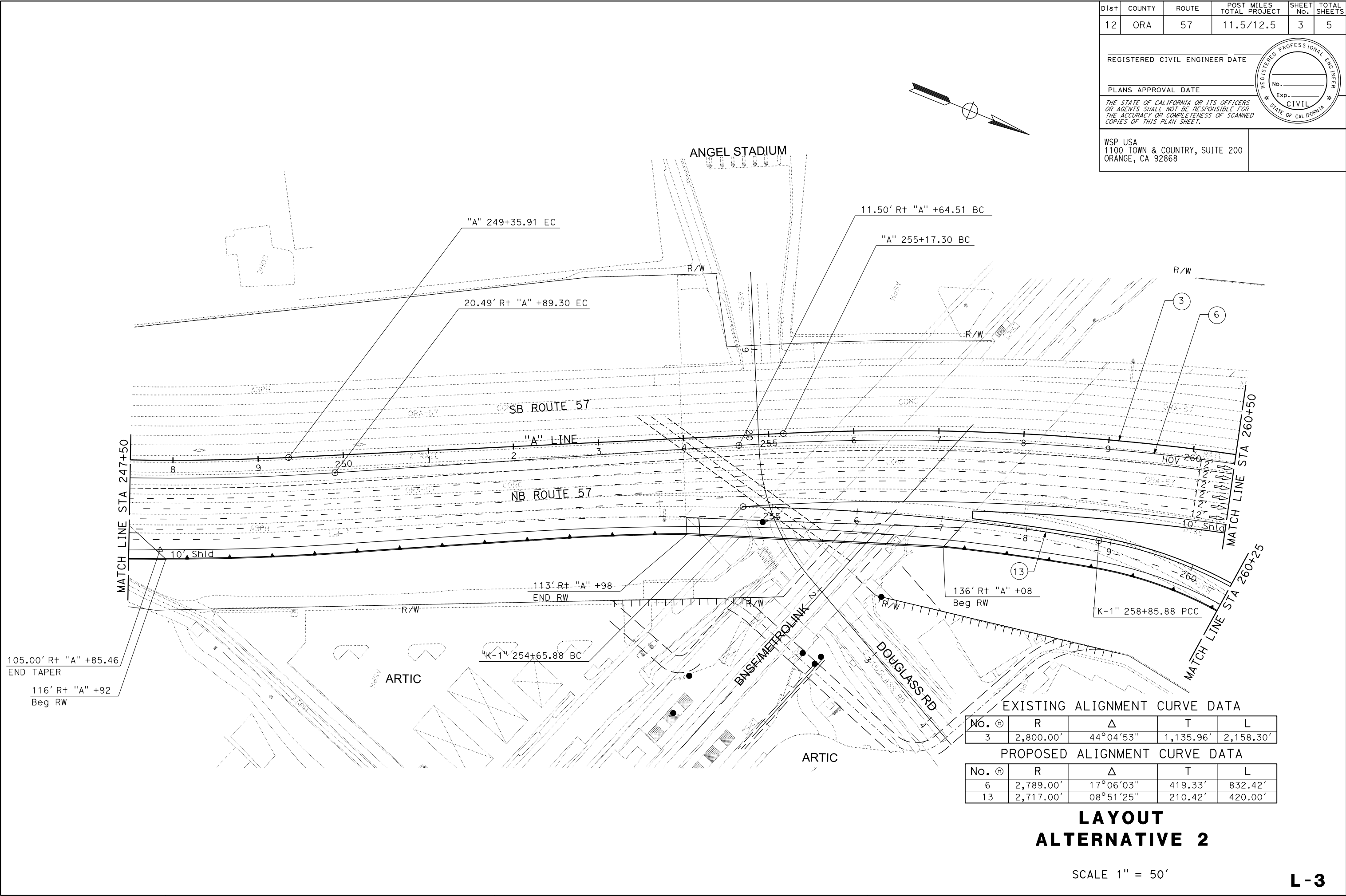
PROPOSED ALIGNMENT CURVE DATA

No. ⑤	R	Δ	T	L
4	2,700.00'	29°32'05"	711.73'	1,391.79'
5	2,821.00'	22°14'30"	554.52'	1,095.08'
11	4,412.92'	02°10'10"	83.56'	167.10'
12	2,905.00'	05°55'27"	150.32'	300.37'

LAYOUT ALTERNATIVE 2

SCALE 1" = 50'

L-2



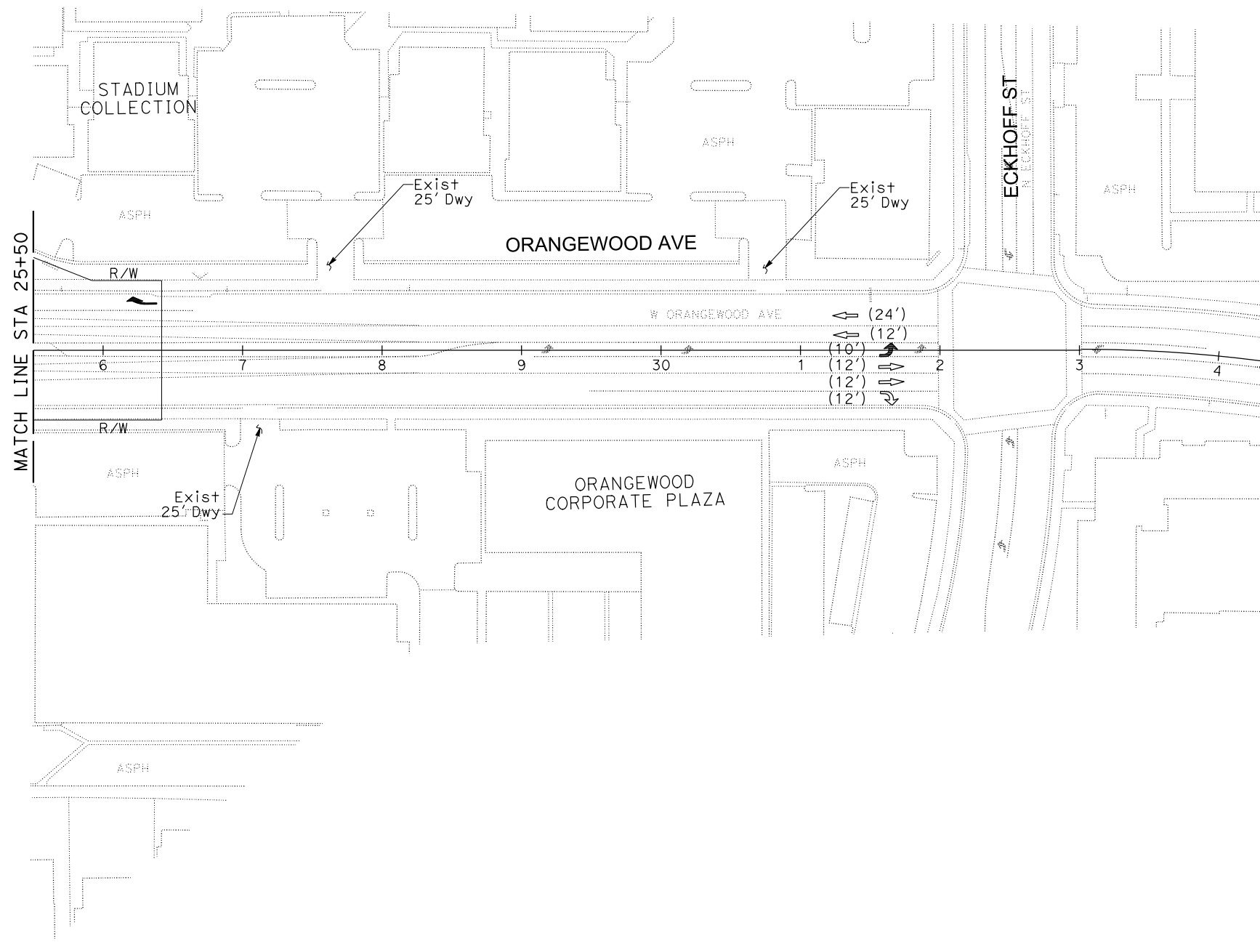
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	5	5

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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LAYOUT ALTERNATIVE 2

SCALE 1" = 50'

L-5

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	2	5

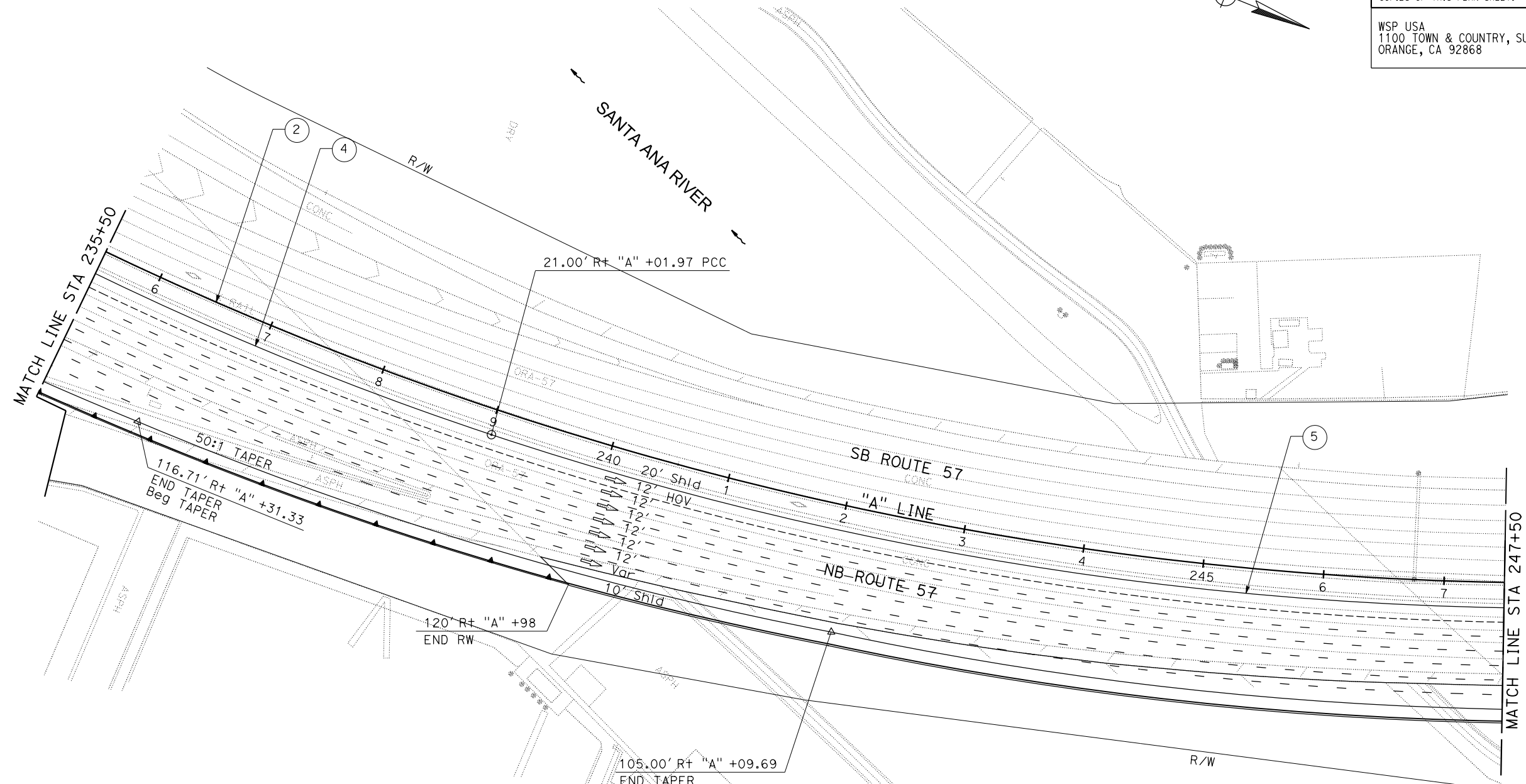
REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE

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EXISTING ALIGNMENT CURVE DATA

No. ②	R	Δ	T	L
2	2,800.00'	50°03'53"	1,307.59'	2,446.62'

PROPOSED ALIGNMENT CURVE DATA

No. ⑥	R	Δ	T	L
4	2,700.00'	29° 32' 05"	711.73'	1,391.79'
5	2,821.00'	22° 14' 30"	554.52'	1,095.08'

LAYOUT ALTERNATIVE 2A

SCALE 1" = 50'

L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY		
			CHECKED BY	DATE REVISED		

SR57_Kate11a_AI+2a-EA002.dgn

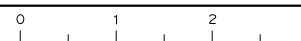
BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE
IS IN INCHES



UNIT 0000

PROJECT NUMBER & PHASE

00000000001

DATE PLOTTED => 15-FEB-2018
TIME PLOTTED => 16:30
LAST REVISION
00-00-00

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	3	5

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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ORANGE, CA 92868

ANGEL STADIUM

"A" 249+35.91 EC

11.50' Rt "A" +64.51 BC

"A" 255+17.30 BC

20.49' Rt "A" +89.30 EC

R/W

ASPH

CONC

ORA-57

SB ROUTE 57

"A" LINE

NB ROUTE 57

MATCH LINE STA 247+50

"K-2" 249+90.66

116' Rt "A" +92 Beg RW

ARTIC

143' Rt "A" +57 END RW

BNSF METROLINK

DOUGLASS RD

"K-2" 258+82.19 BC

166' Rt "A" +89 Beg RW

MATCH LINE STA 260+25

MATCH LINE STA 260+50

HOV 12'

12'

12'

12'

12'

10' Shld

3

6

10

EXISTING ALIGNMENT CURVE DATA

No. Ⓢ	R	Δ	T	L
3	2,800.00'	44°04'53"	1,135.96'	2,158.30'

PROPOSED ALIGNMENT CURVE DATA

No. Ⓢ	R	Δ	T	L
6	2,789.00'	17°06'03"	419.33'	832.42'
10	600.00'	42°02'56"	230.61'	440.33'

LAYOUT
ALTERNATIVE 2A

SCALE 1" = 50'

L-3

BORDER LAST REVISED 7/2/2010

USERNAME => HernandezH
DGN FILE => SR57_Katella_Alt2a-EA003.dgn

RELATIVE BORDER SCALE
IS IN INCHES

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UNIT 0000

PROJECT NUMBER & PHASE

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00-00-00 TIME PLOTTED => 16:30

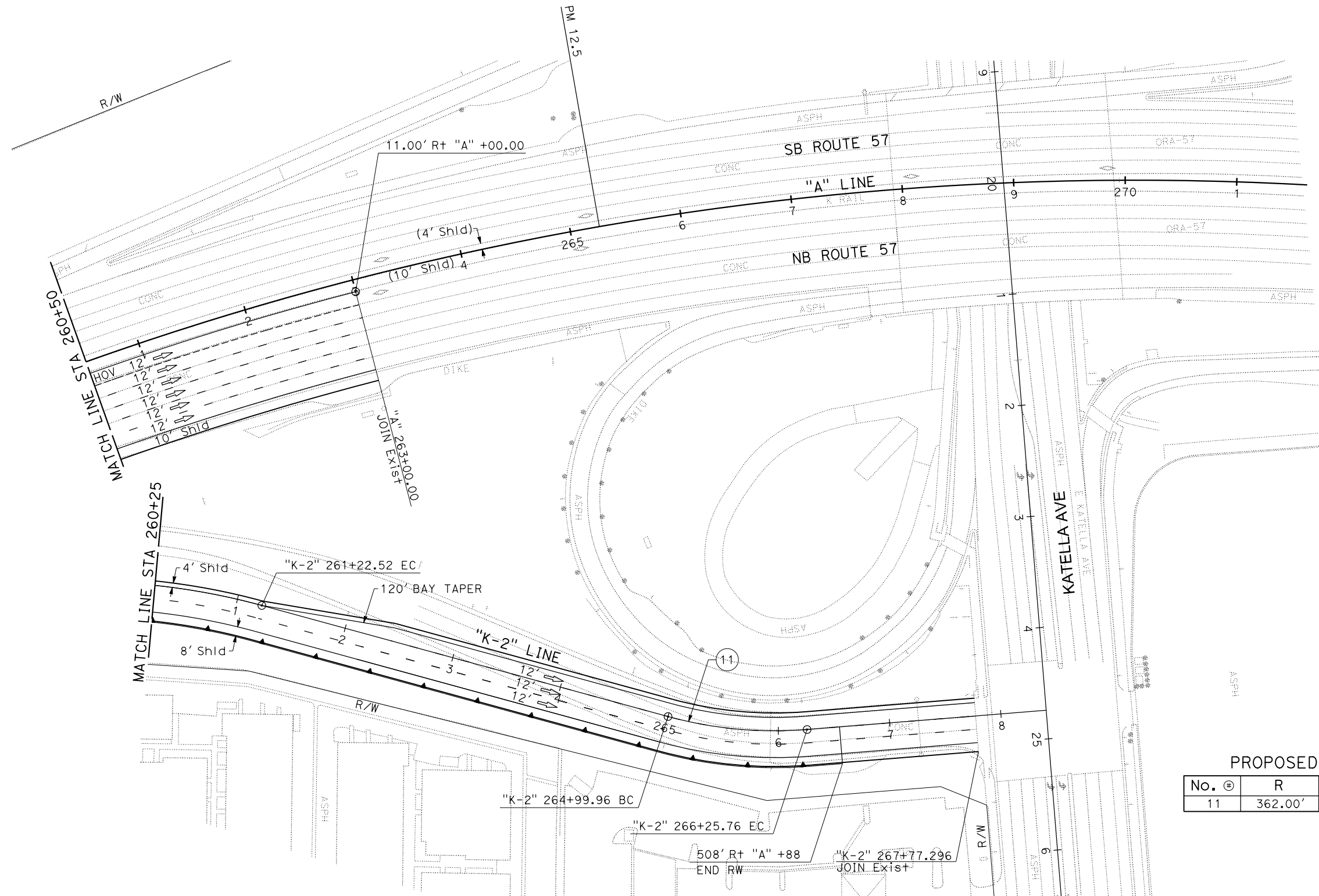
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	4	5

REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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PROPOSED ALIGNMENT CURVE DATA				
No. ④	R	Δ	T	L
11	362.00'	19°54'40"	63.54'	125.80'

LAYOUT ALTERNATIVE 2A

SCALE 1" = 50'

L-4

SR57_KateIIa_AI+2a-EA004.dgn

DEPARTMENT OF TRANSPORTATION

Subaru

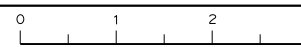
BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE
IS IN INCHES



UNIT 0000

PROJECT NUMBER & PHASE

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TIME PLOTTED => 16:30	
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00-00-00	

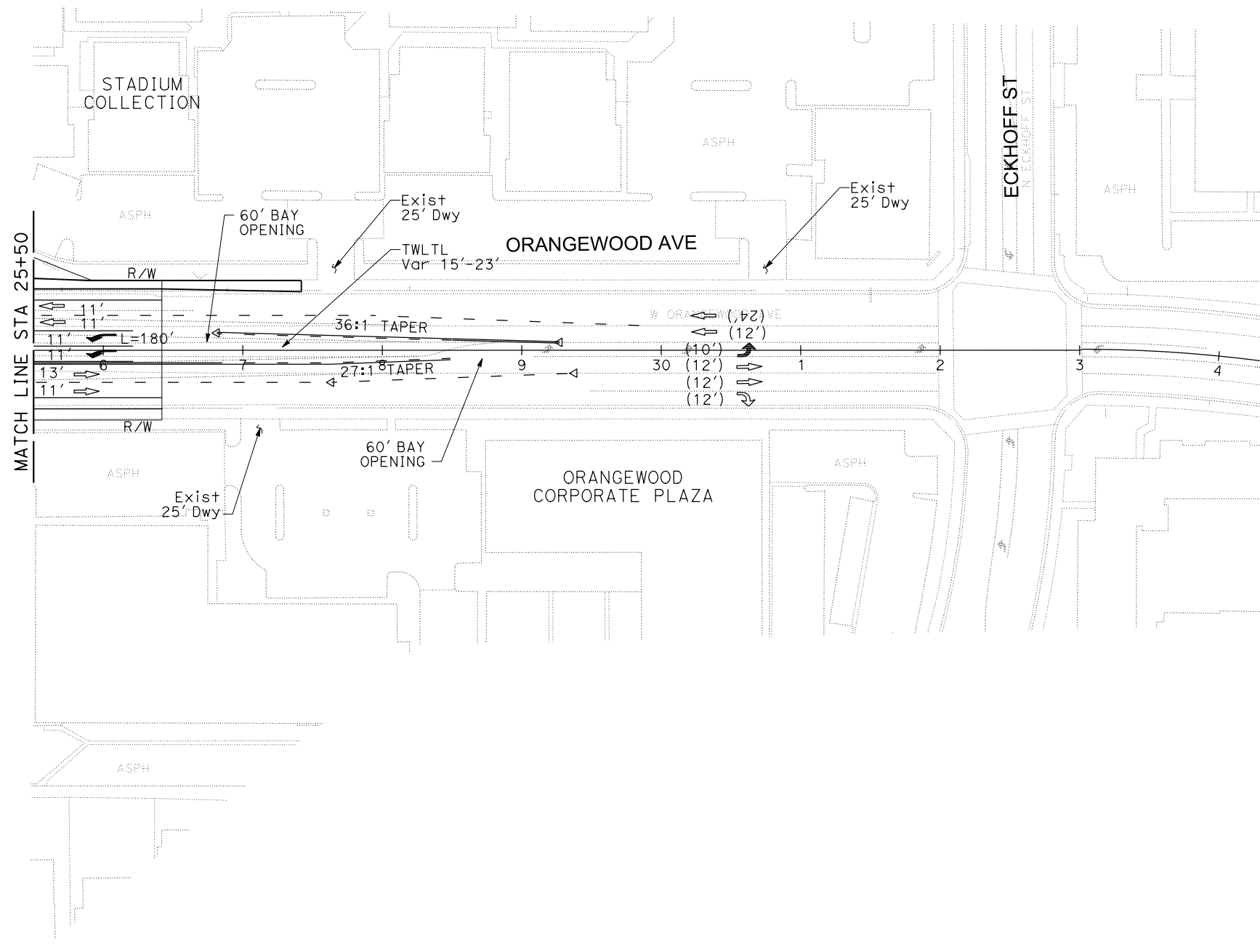
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LAYOUT ALTERNATIVE 2A

SCALE 1" = 50'

L - 5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISED BY		
Caltrans			CHECKED BY	DATE REVISED		

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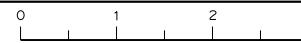
BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE
IS IN INCHES



UNIT 0000

PROJECT NUMBER & PHASE

00000000001

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TIME PLOTTED => 16:22	00-00-00

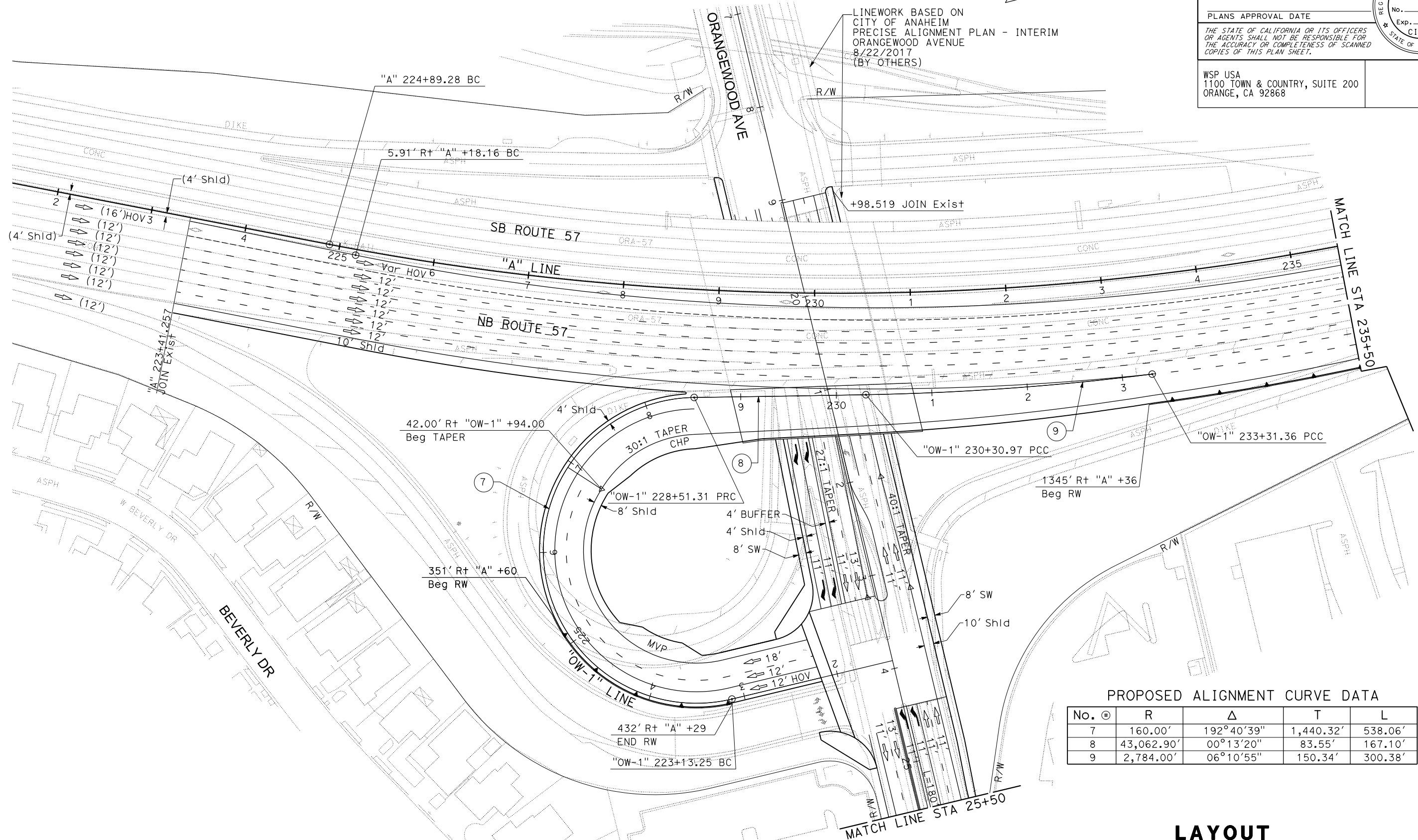
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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REGISTERED CIVIL ENGINEER DATE

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ORANGE, CA 92868



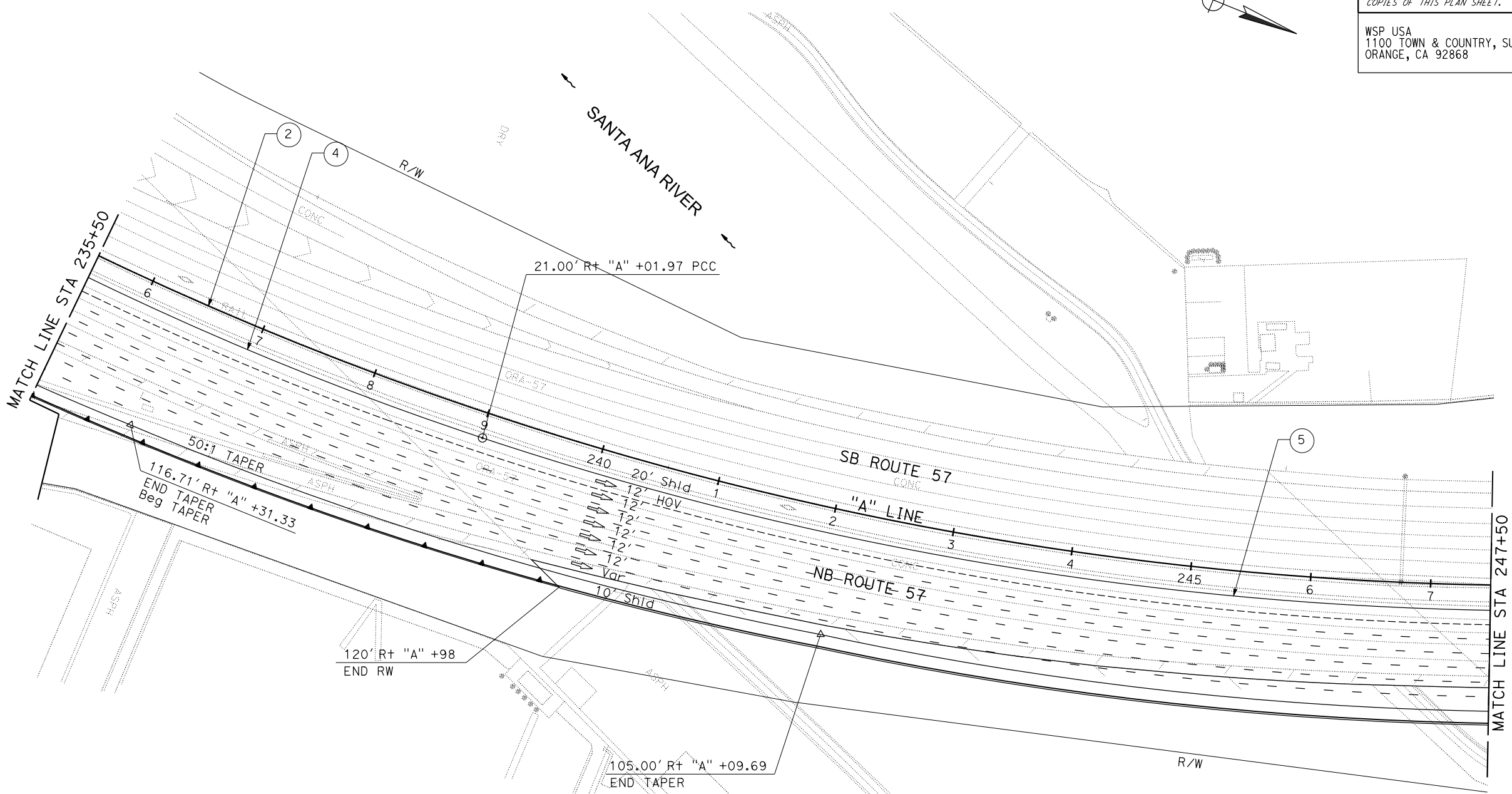
PROPOSED ALIGNMENT CURVE DATA

No. ③	R	Δ	T	L
7	160.00'	192°40'39"	1,440.32'	538.06'
8	43,062.90'	00°13'20"	83.55'	167.10'
9	2,784.00'	06°10'55"	150.34'	300.38'

LAYOUT ALTERNATIVE 2B

SCALE 1" = 50'

L-1



EXISTING ALIGNMENT CURVE DATA				
No. Ⓢ	R	Δ	T	L
2	2,800.00'	50°03'53"	1,307.59'	2,446.62'

PROPOSED ALIGNMENT CURVE DATA				
No. Ⓢ	R	Δ	T	L
4	2,700.00'	29°32'05"	711.73'	1,391.79'
5	2,821.00'	22°14'30"	554.52'	1,095.08'

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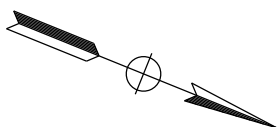
REGISTERED PROFESSIONAL ENGINEER

No. _____

Exp. _____

CIVIL

STATE OF CALIFORNIA



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	3	5

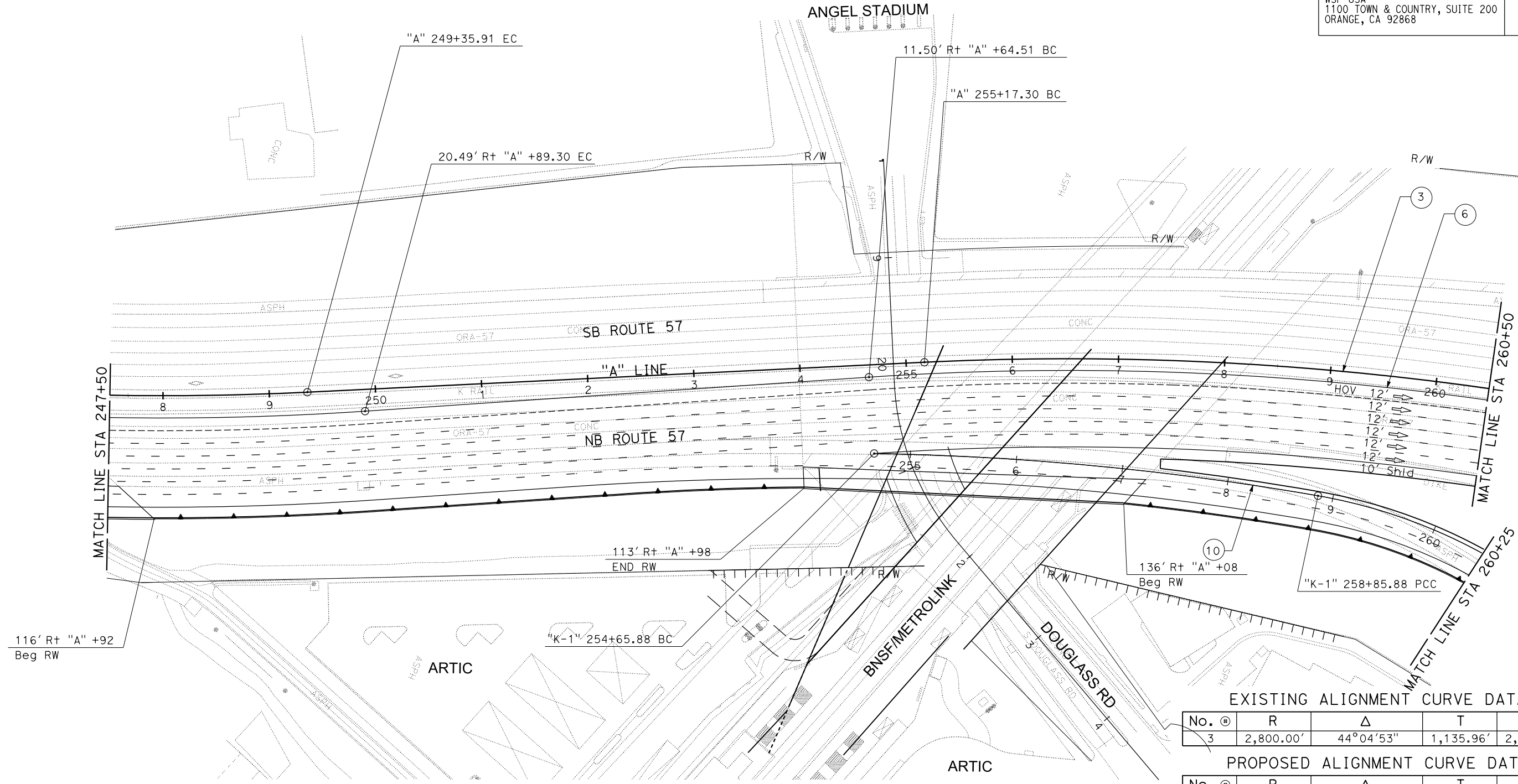
REGISTERED CIVIL ENGINEER DATE

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1100 TOWN & COUNTRY, SUITE 200
ORANGE, CA 92868

REGISTERED PROFESSIONAL ENGINEER
No. _____
Exp. _____
CIVIL
STATE OF CALIFORNIA



EXISTING ALIGNMENT CURVE DATA				
No. Ⓢ	R	Δ	T	L
3	2,800.00'	44°04'53"	1,135.96'	2,158.30'

PROPOSED ALIGNMENT CURVE DATA				
No. Ⓢ	R	Δ	T	L
6	2,789.00'	17°06'03"	419.33'	832.42'
10	2,717.00'	08°51'25"	210.42'	420.00'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	4	5

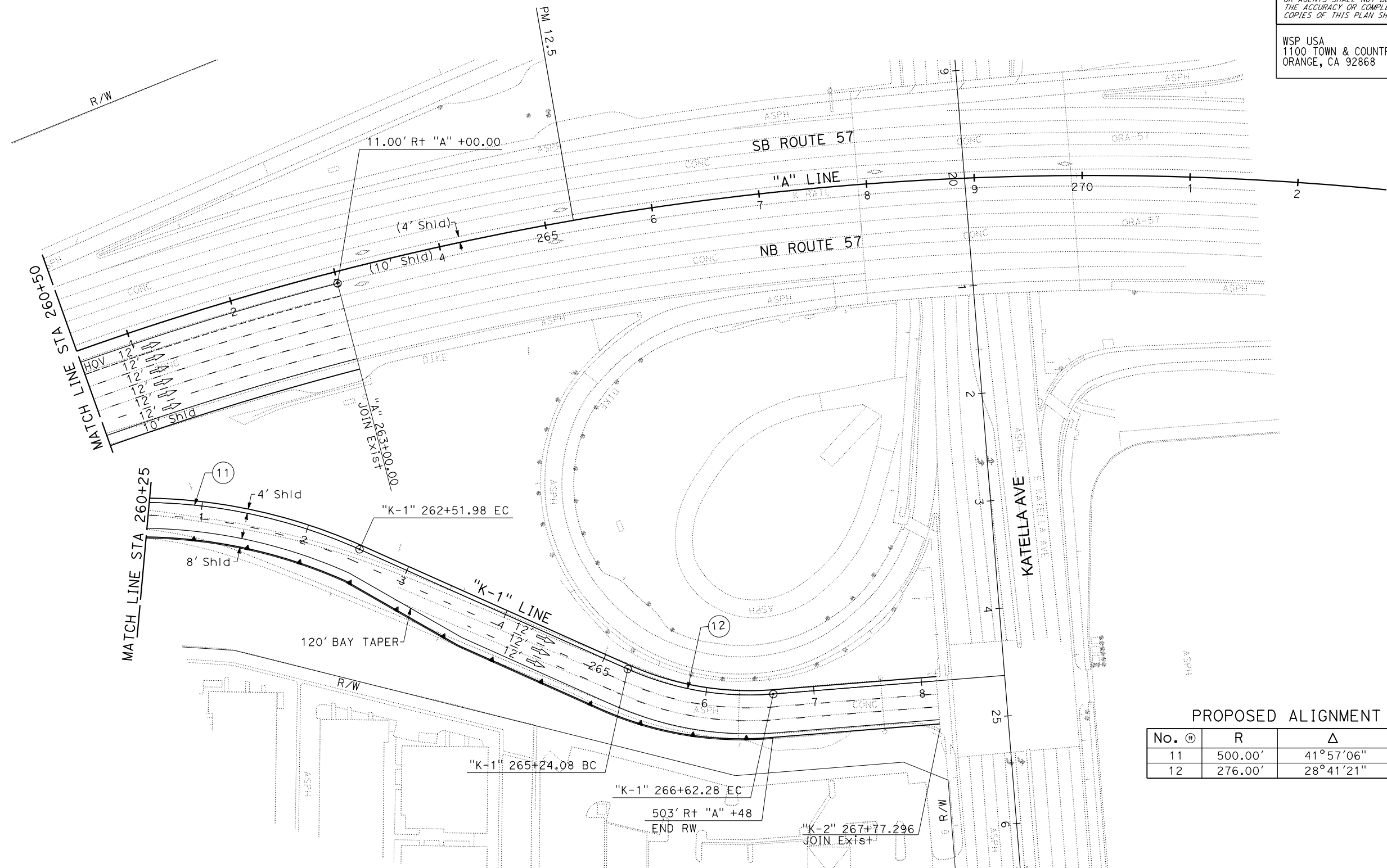
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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1100 TOWN & COUNTRY, SUITE 200
ORANGE, CA 92868



PROPOSED ALIGNMENT CURVE DATA

No. ③	R	Δ	T	L
11	500.00'	41°57'06"	191.69'	366.10'
12	276.00'	28°41'21"	70.58'	138.20'

LAYOUT ALTERNATIVE 2B

SCALE 1" = 50'

L-4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	ORA	57	11.5/12.5	5	5

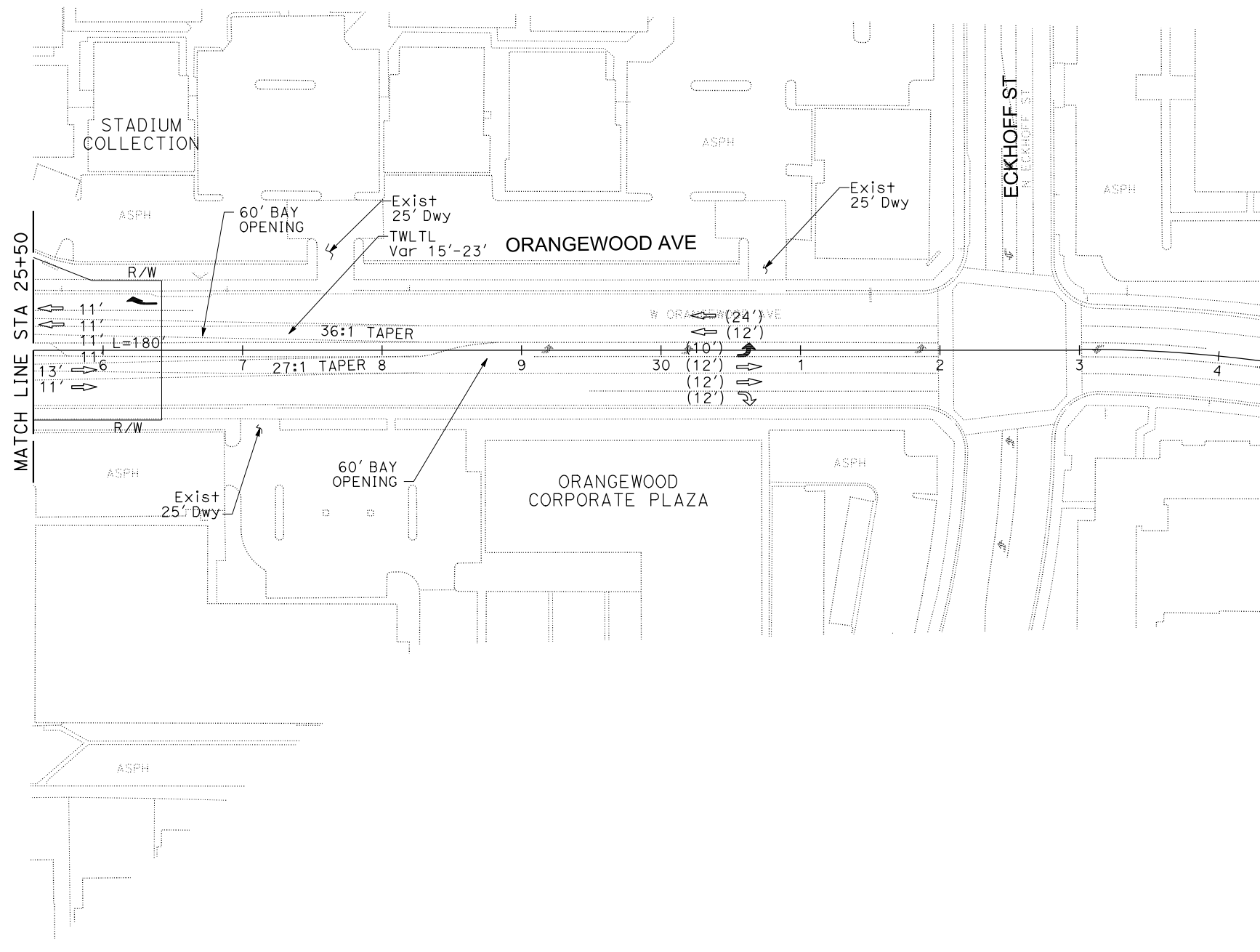
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

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LAYOUT ALTERNATIVE 2B

SCALE 1" = 50'

L-5

SR57_Katella_AI+2b-EA005.dgn

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



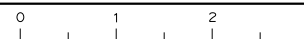
BORDER LAST REVISED 7/2/2010

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RELATIVE BORDER SCALE
IS IN INCHES



UNIT 0000

PROJECT NUMBER & PHASE

00000000001

DATE PLOTTED => 23-JUL-2018	LAST REVISION
TIME PLOTTED => 09:21	00-00-00

NOTES:

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.

EXISTING STRUCTURAL SECTIONS

- A

0.75' PCC
0.50' RMCTB (B)
0.25' RMCTB AB
0.50' CLASS 4 AS
- B

0.33' AC
0.50' AB
0.92' AS

STRUCTURAL SECTIONS

- 1

0.90' CRCP
0.25' HMA-A
0.70' CLASS 2 AS
0.65' BASEMENT SOIL
- 2

0.20' RHMA-G
0.90' HMA-A
1.05' CLASS 2 AB
0.75' BASEMENT SOIL
- 3

0.85' JPCP
0.25' HMA-A
0.70' CLASS 2 AS
0.70' BASEMENT SOIL
- 4

0.33' AC
0.50' AB
0.92' AS

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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T.Y. LIN INTERNATIONAL
20 PACIFICA
SUITE 350
IRVINE, CA 92618

ORANGE COUNTY TRANSPORTATION AUTHORITY
550 SOUTH MAIN STREET
ORANGE, CA 92868

REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA

NORTHBOUND
"A" Sta 233+50 TO "A" Sta 242+00

NORTHBOUND
"A" Sta 223+50 TO "A" Sta 228+50
ROUTE 57

TYPICAL CROSS SECTIONS
ALTERNATIVE 2

NO SCALE

NOT FOR CONSTRUCTION

X-1

BORDER LAST REVISED 7/2/2010

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DGN FILE => 1213000099ca001.dgn

RELATIVE BORDER SCALE
IS IN INCHES

0 1 2 3

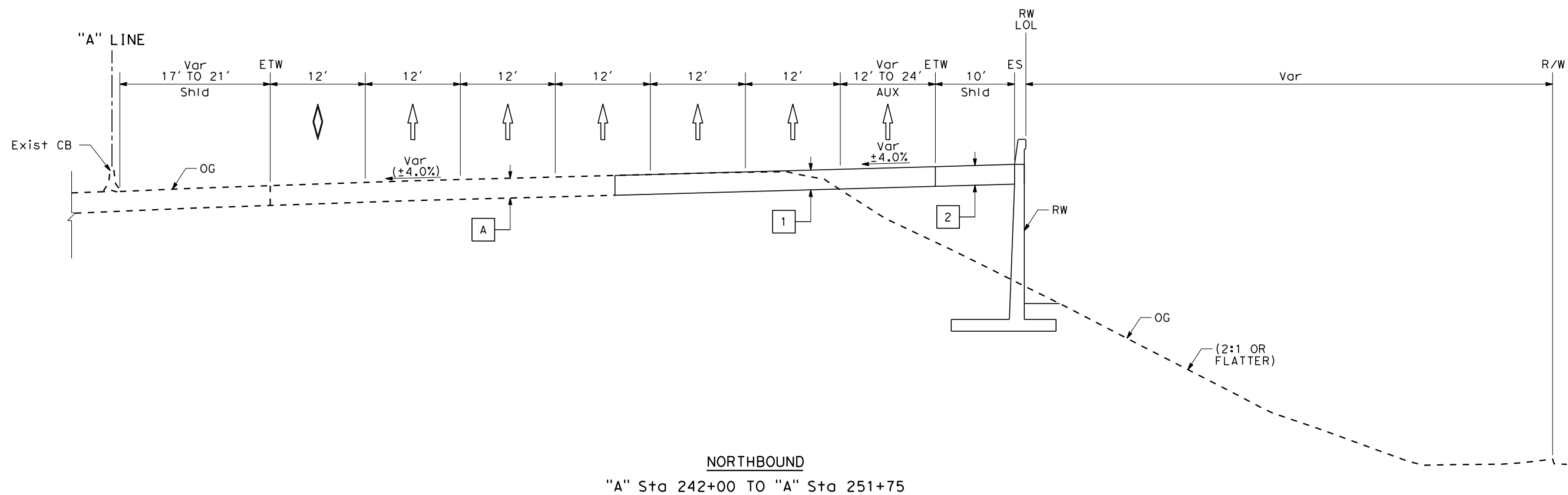
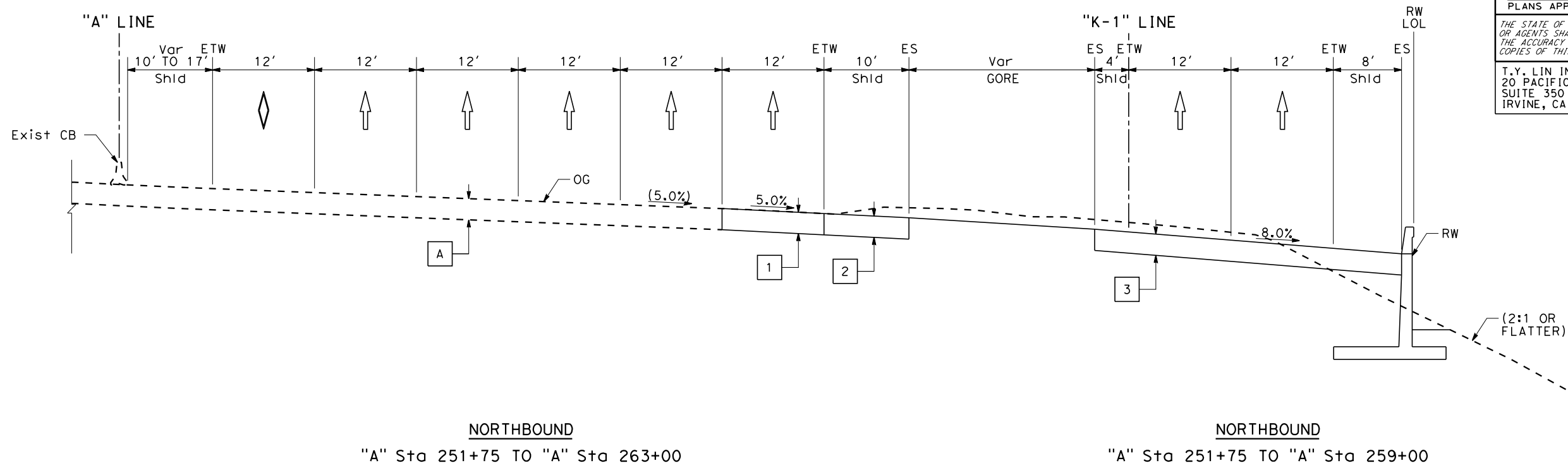
UNIT 2998

PROJECT NUMBER & PHASE

1213000099

LAST REVISION DATE PLOTTED => 1/10/2018
00-00-00 TIME PLOTTED => 9:31:41 AM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		
<u>REGISTERED CIVIL ENGINEER</u> <u>DATE</u>  <u>PLANS APPROVAL DATE</u> 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.					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		



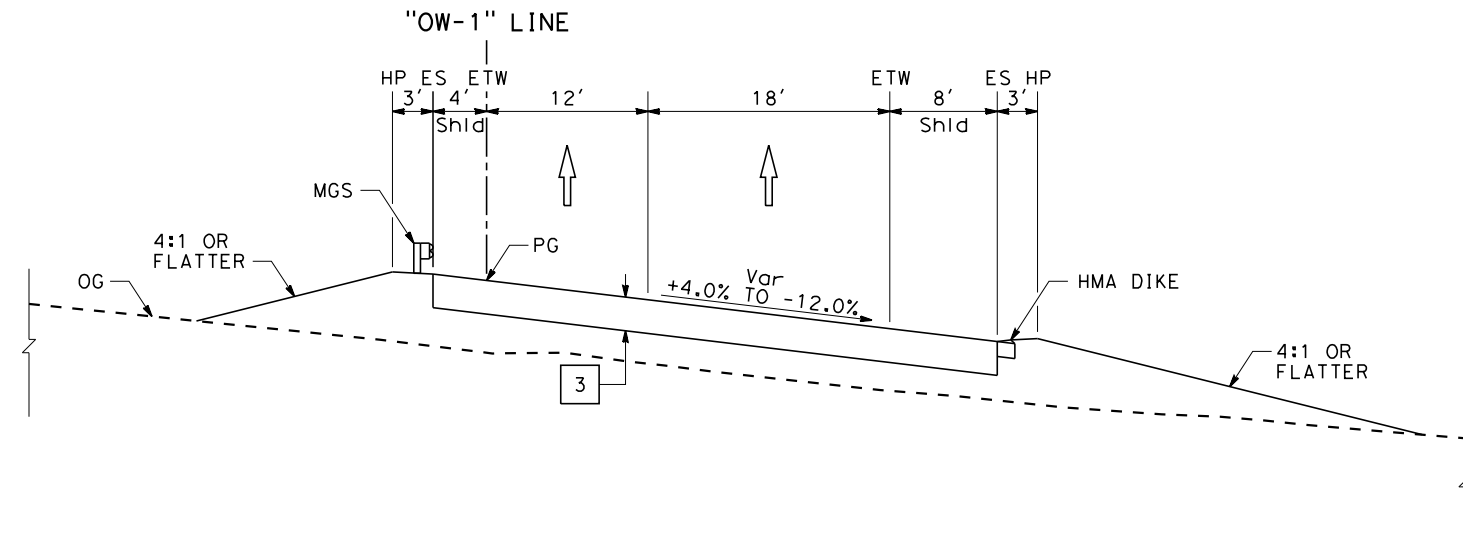
TYPICAL CROSS SECTIONS ALTERNATIVE 2

NO SCALE

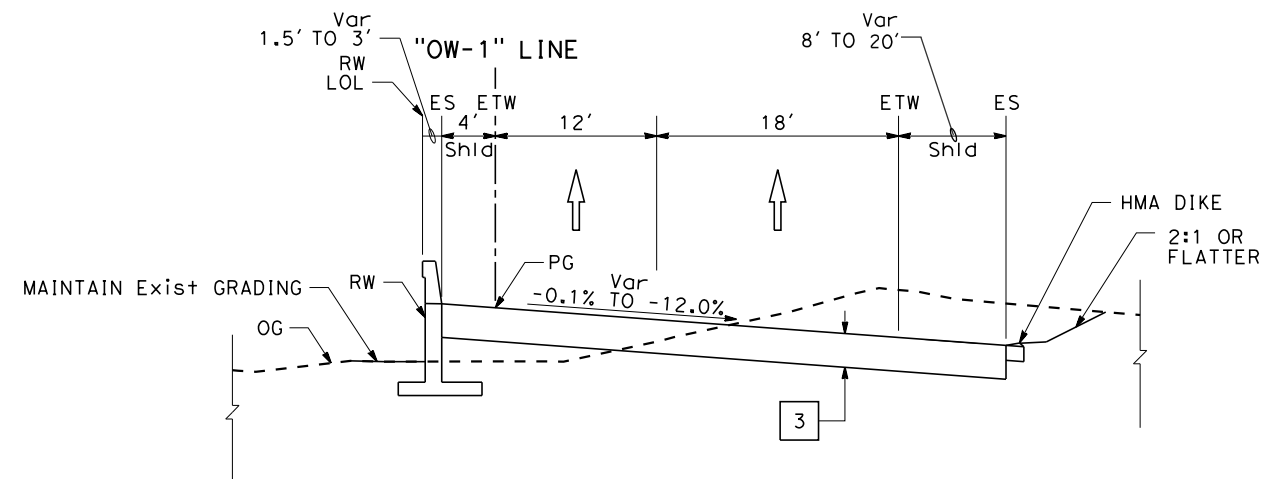
X-2

NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		
<u>REGISTERED CIVIL ENGINEER</u> <u>DATE</u>  <u>PLANS APPROVAL DATE</u> <i>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.</i>					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		

NORTHBOUND

"OW-1" Sta 225+50 TO "OW-1" Sta 227+50



NORTHBOUND

"OW-1" Sta 222+50 TO "OW-1" Sta 225+50

ORANGEWOOD Ave LOOP ON-RAMP

TYPICAL CROSS SECTIONS ALTERNATIVE 2

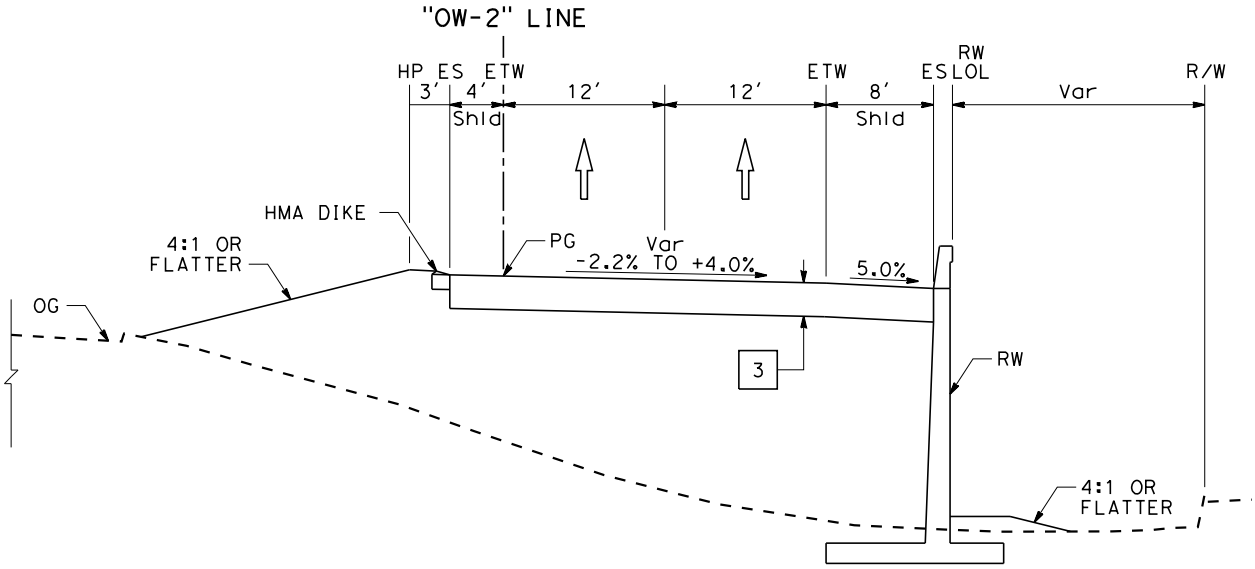
NO SCALE

X-3

NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE	REVISOR	DATE
CALTRANS						

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		
REGISTERED CIVIL ENGINEER DATE					REGISTERED PROFESSIONAL ENGINEER No. _____ Exp. _____ CIVIL STATE OF CALIFORNIA
PLANS APPROVAL DATE					
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NORTHBOUND
"OW-2" Sta 232+00 TO "OW-2" Sta 235+50
ORANGEWOOD Ave NB DIRECT ON-RAMP

TYPICAL CROSS SECTIONS
ALTERNATIVE 2

NO SCALE

X-4

NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE	REVISION
Caltrans					

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T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		

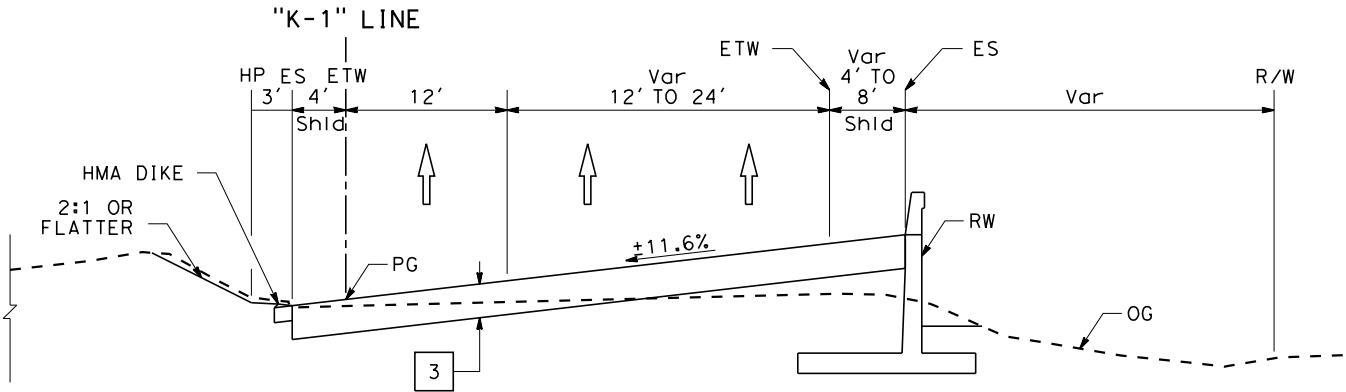
REGISTERED PROFESSIONAL ENGINEER

No.

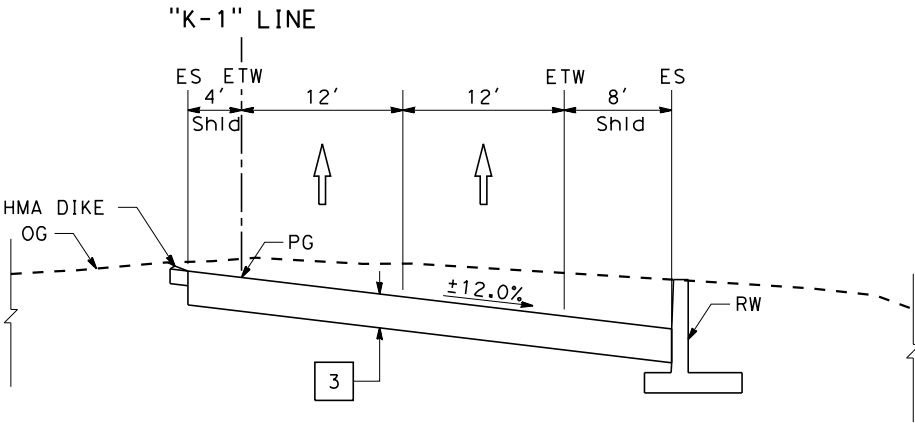
Exp.

CIVIL

STATE OF CALIFORNIA



NORTHBOUND
"K-1" Sta 262+50 TO "K-1" 268+00



NORTHBOUND
"K-1" Sta 259+00 TO "K-1" 262+50
KATELLA Ave NB OFF-RAMP

**TYPICAL CROSS SECTIONS
ALTERNATIVE 2**

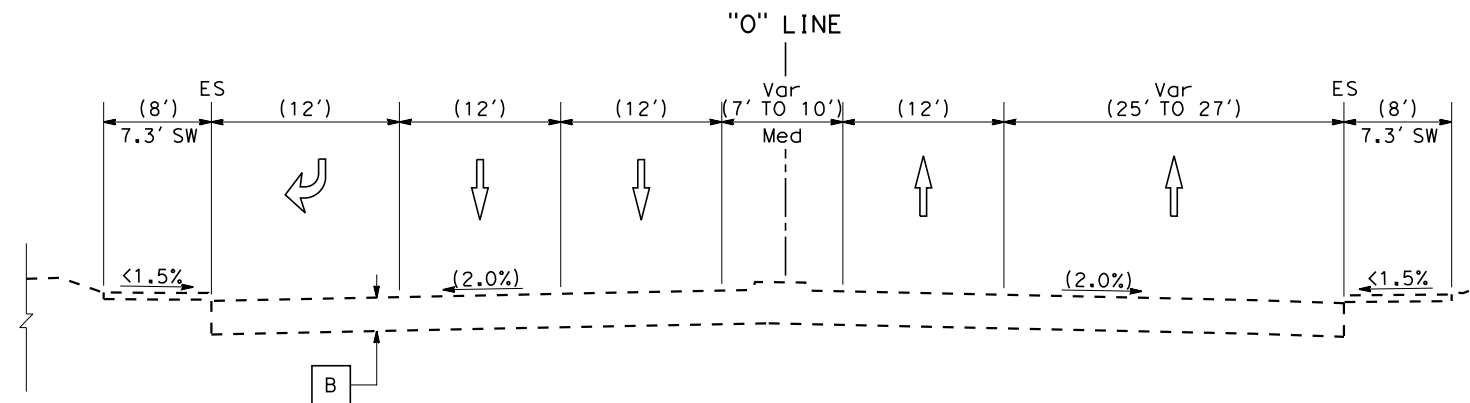
NO SCALE

X-5

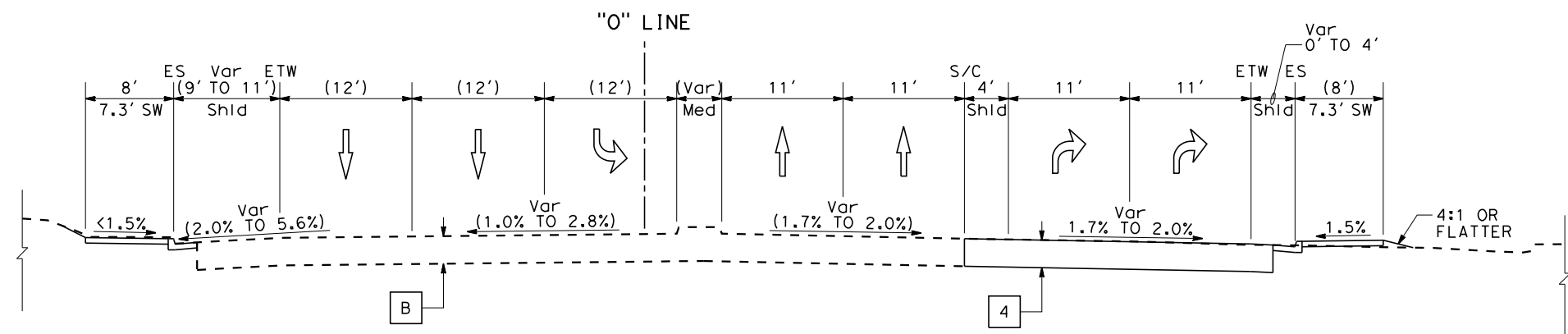
NOT FOR CONSTRUCTION

LAST REVISION DATE PLOTTED => 1/10/2018
00-00-00 TIME PLOTTED => 9:31:42 AM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Or	57	11.5/12.5		
REGISTERED CIVIL ENGINEER DATE PLANS APPROVAL DATE <i>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.</i>					
T.Y. LIN INTERNATIONAL 20. PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		



EASTBOUND
"0" Sta 24+00 TO "0" 26+50



EASTBOUND

"0" Sta 19+50 TO "0" 24+00

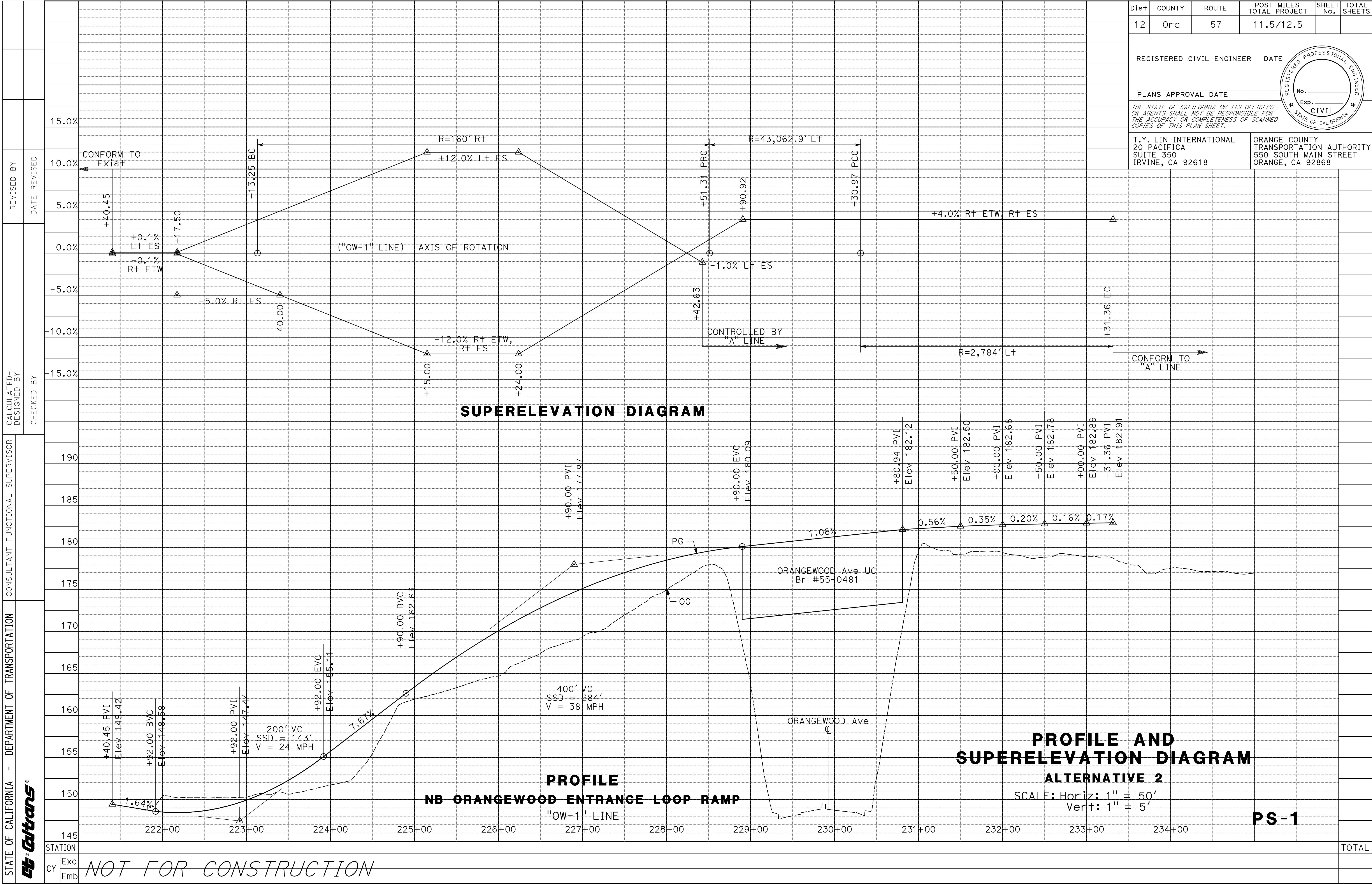
ORANGEWOOD Ave

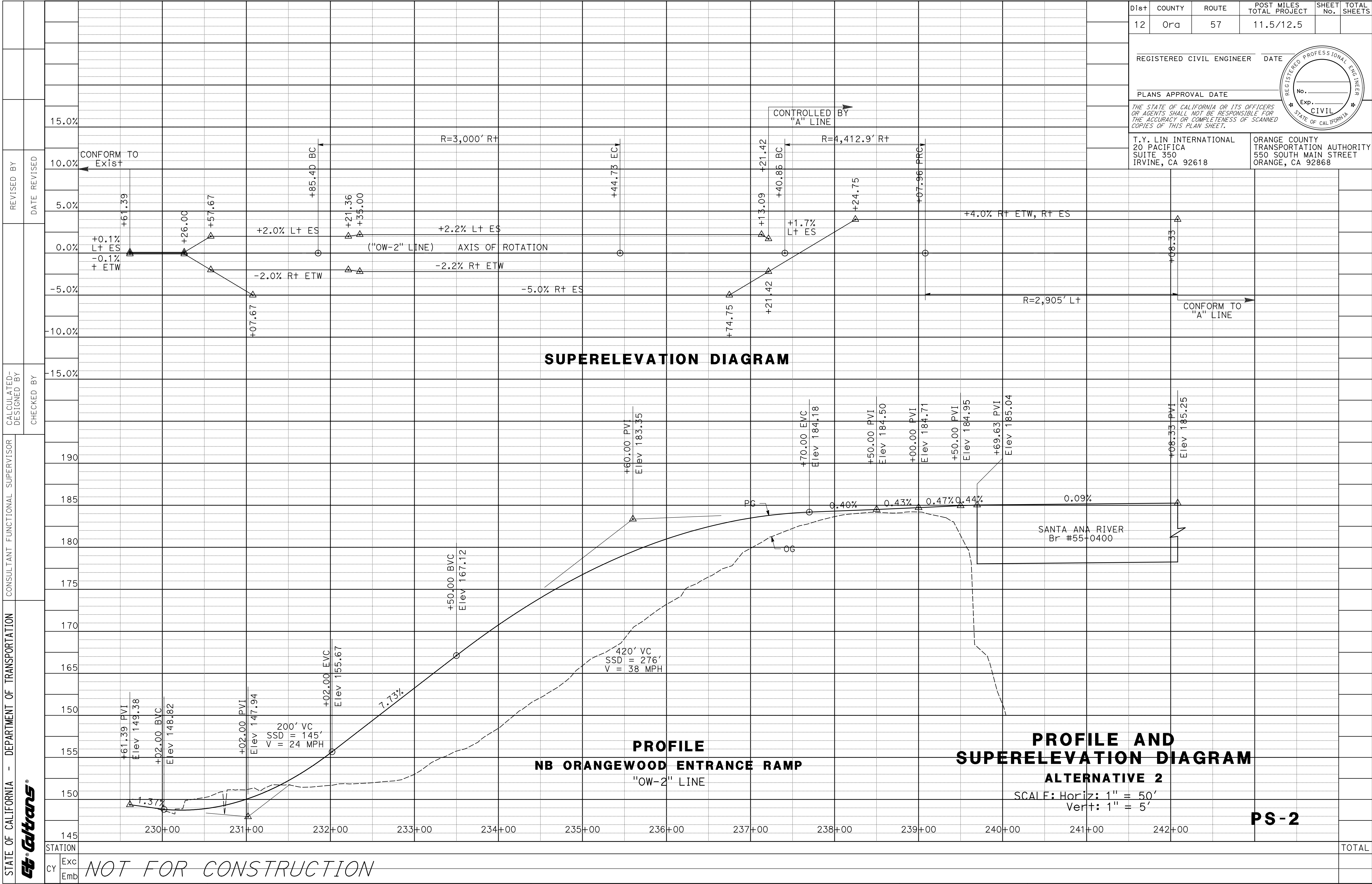
TYPICAL CROSS SECTIONS ALTERNATIVE 2

NO SCALE

K - 6

NOT FOR CONSTRUCTION





NOT FOR CONSTRUCTION

BORDER LAST REVISED 7/2/2010

USERNAME => \$USER
DGN FILE => \$REQUEST

RELATIVE BORDER SCALE
IS IN INCHES

0

1

2

3

UNIT 2998

PROJECT NUMBER & PHASE

1213000099

LAST REVISION

DATE PLOTTED => \$DATE

TIME PLOTTED => \$TIME

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		CONSULTANT FUNCTIONAL SUPERVISOR		CALCULATED-DESIGNED BY		REVISOR		DATE		DIST		COUNTY		ROUTE		POST MILES TOTAL PROJECT		SHEET No.		TOTAL SHEETS			
CY		Exc		Emb		NOT FOR CONSTRUCTION		PS-4		SCALE: Horiz: 1" = 50'		Vert: 1" = 5'		T.Y. LIN INTERNATIONAL		ORANGE COUNTY TRANSPORTATION AUTHORITY		IRVINE, CA 92618		550 SOUTH MAIN STREET		ORANGE, CA 92868	

15.0%		10.0%		5.0%		0.0%		-5.0%		-10.0%		-15.0%		205		200		195		190		185		180		175		170		165		150		155		150		STATION		TOTAL	

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		
<u>REGISTERED CIVIL ENGINEER</u> <u>DATE</u>  <u>PLANS APPROVAL DATE</u> <i>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.</i>					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		

NOTES:

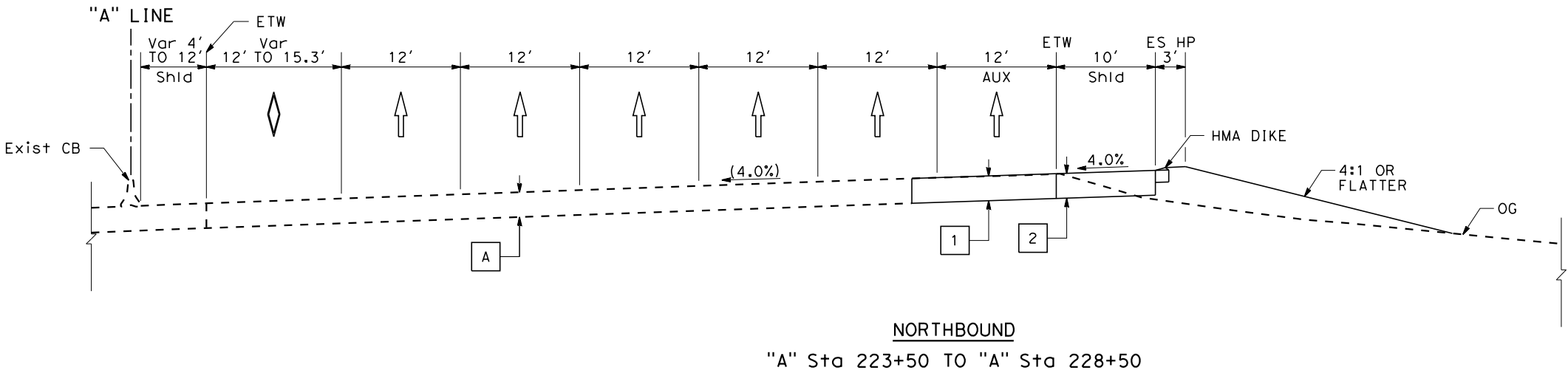
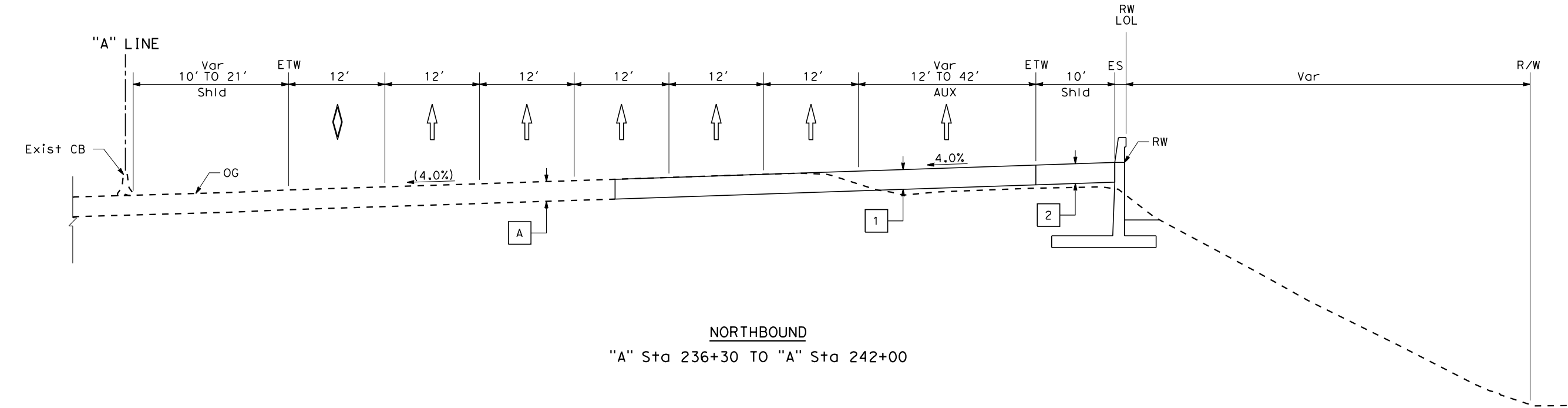
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE STANDARD SPECIFICATIONS.

EXISTING STRUCTURAL SECTIONS

- | | | |
|---|---|-------------------|
| A | [| 0.75', PCC |
| | | 0.50', RMCTB (B) |
| | | 0.25', RMCTB AB |
| | | 0.50', CLASS 4 AS |
| | | |
| B | [| 0.33', AC |
| | | 0.50', AB |
| | | 0.92', AS |

STRUCTURAL SECTIONS

- | | | | | | |
|---|---|---------------------|---|---|----------|
| 1 | — | 0.90' CRCP | 4 | — | 0.33' AC |
| | | 0.25' HMA-A | | | 0.50' AB |
| | | 0.70' CLASS 2 AS | | | 0.92' AS |
| | | 0.65' BASEMENT SOIL | | | |
| 2 | — | 0.20' RHMA-G | | | |
| | | 0.90' HMA-A | | | |
| | | 1.05' CLASS 2 AB | | | |
| | | 0.75' BASEMENT SOIL | | | |
| 3 | — | 0.85' JPCP | | | |
| | | 0.25' HMA-A | | | |
| | | 0.70' CLASS 2 AS | | | |
| | | 0.70' BASEMENT SOIL | | | |



TYPICAL CROSS SECTIONS

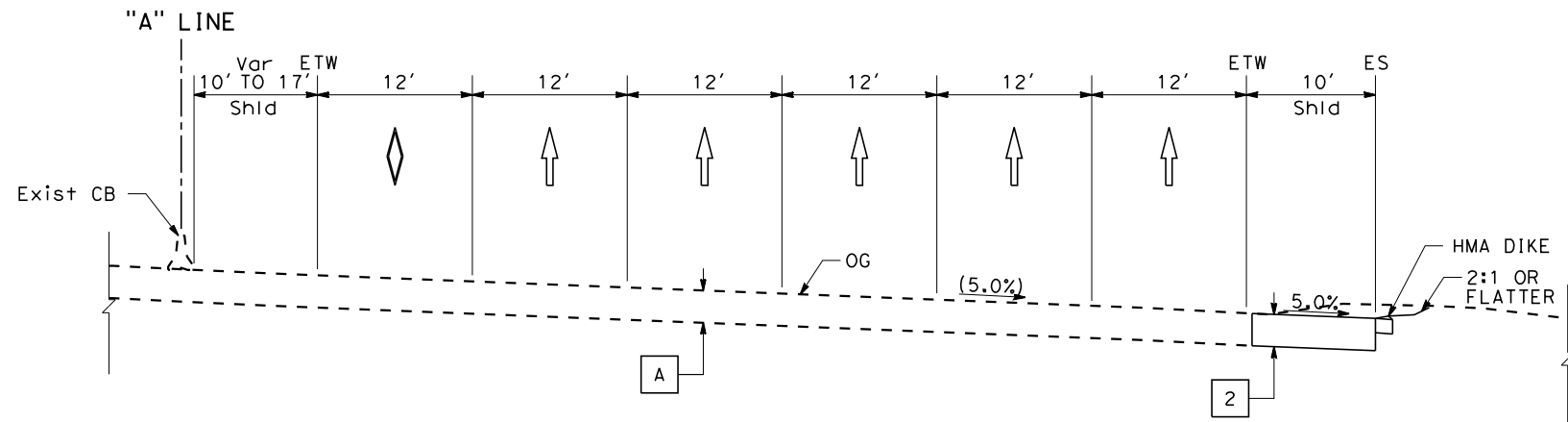
ALTERNATIVE 2A

NO SCALE

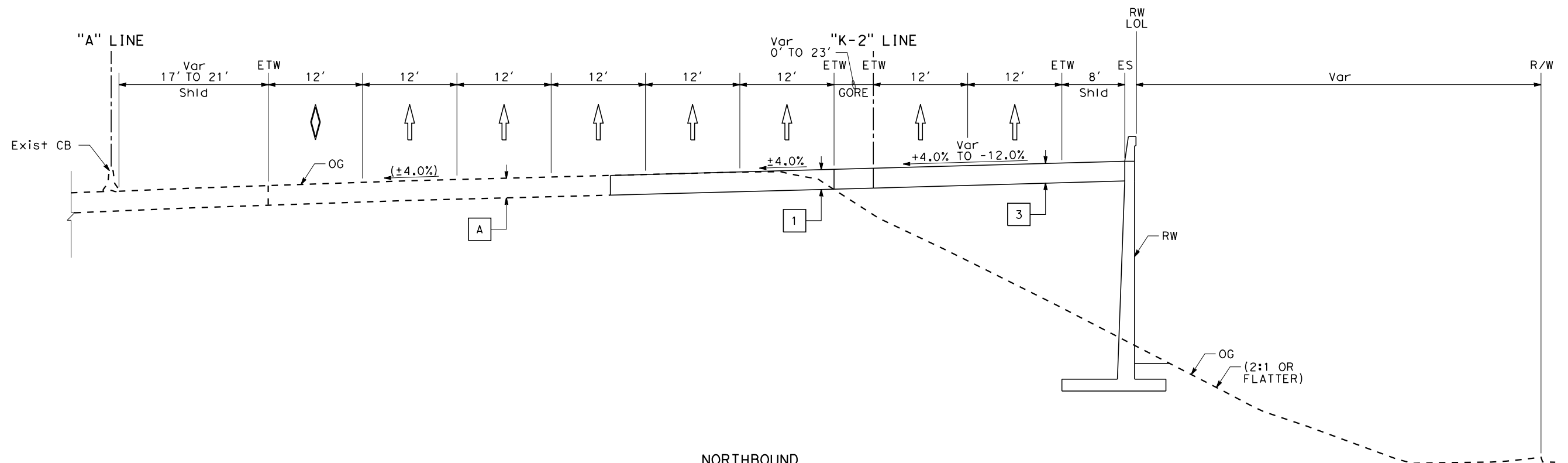
X-1

NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	57	11.5/12.5		
<u>REGISTERED CIVIL ENGINEER</u> <u>DATE</u>  <u>PLANS APPROVAL DATE</u> <i>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.</i>					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		



NORTHBOUND
"A" Sta 254+00 TO "A" Sta 263+00



NORTHBOUND
"A" Sta 250+00 TO "A" Sta 254+00
ROUTE 57

TYPICAL CROSS SECTIONS

ALTERNATIVE 2A

NO SCALE

X-2

NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE	REVISOR	DATE
CALTRANS		CHECKED BY				

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		
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.					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		

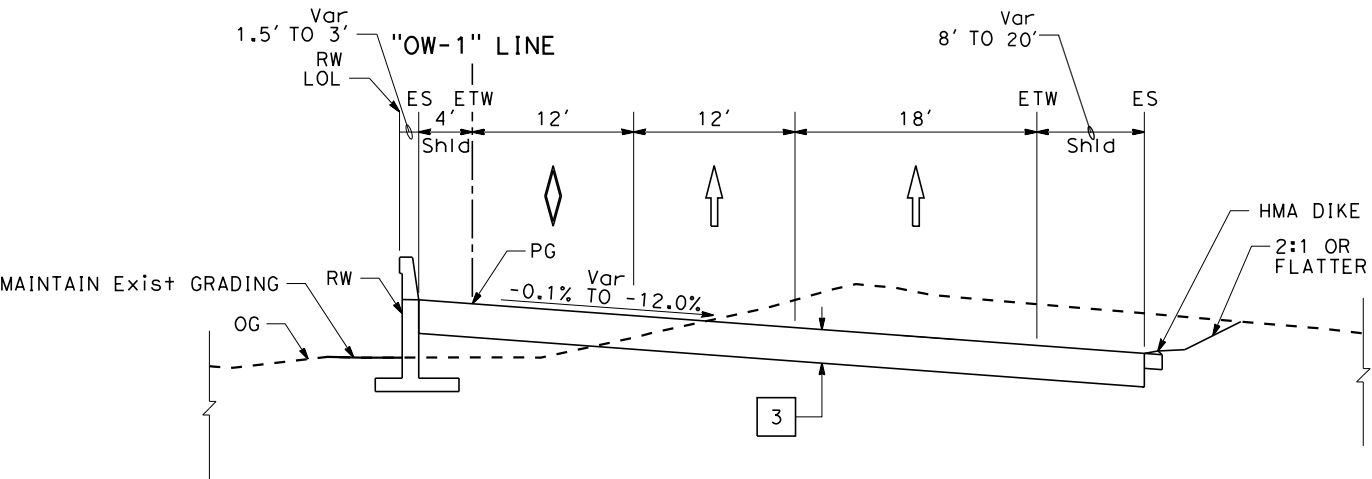
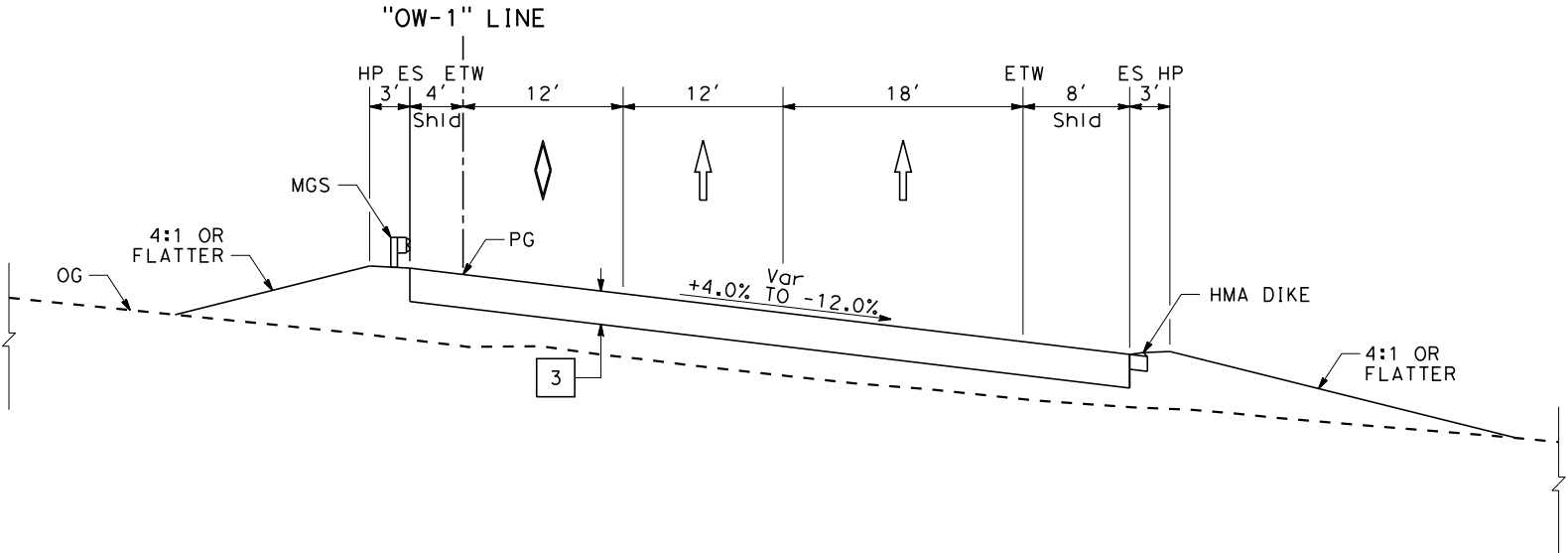
REGISTERED PROFESSIONAL ENGINEER

No. _____

Exp. _____

CIVIL

STATE OF CALIFORNIA



NORTHBOUND
"OW-1" Sta 222+50 TO "OW-1" Sta 225+50
ORANGEWOOD Ave LOOP ON-RAMP

TYPICAL CROSS SECTIONS
ALTERNATIVE 2A

NO SCALE

X-3

NOT FOR CONSTRUCTION

LAST REVISION DATE PLOTTED => 1/10/2018
00-00-00 TIME PLOTTED => 9:31:44 AM

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans		CHECKED BY		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		
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.					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		

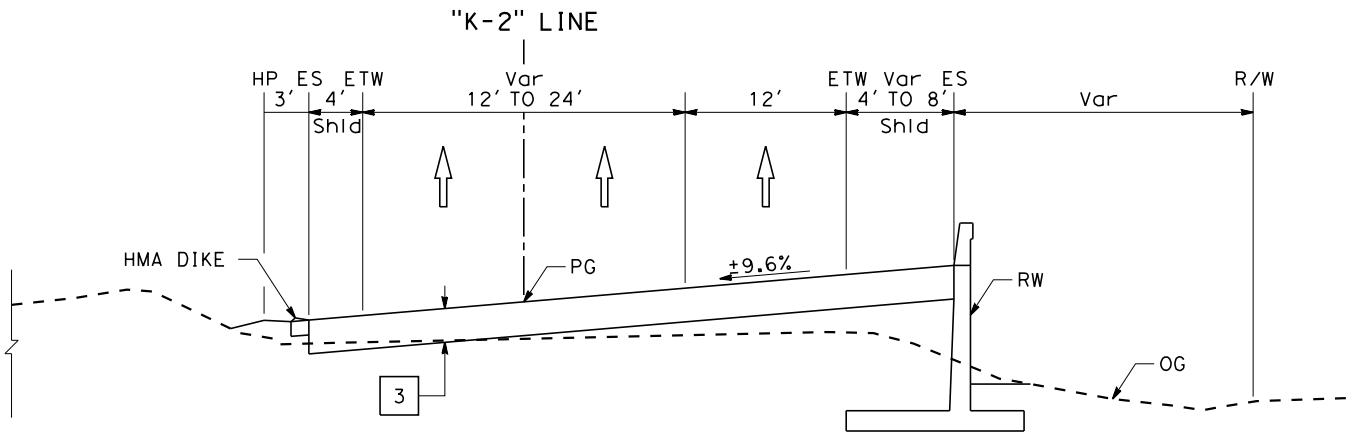
REGISTERED PROFESSIONAL ENGINEER

No.

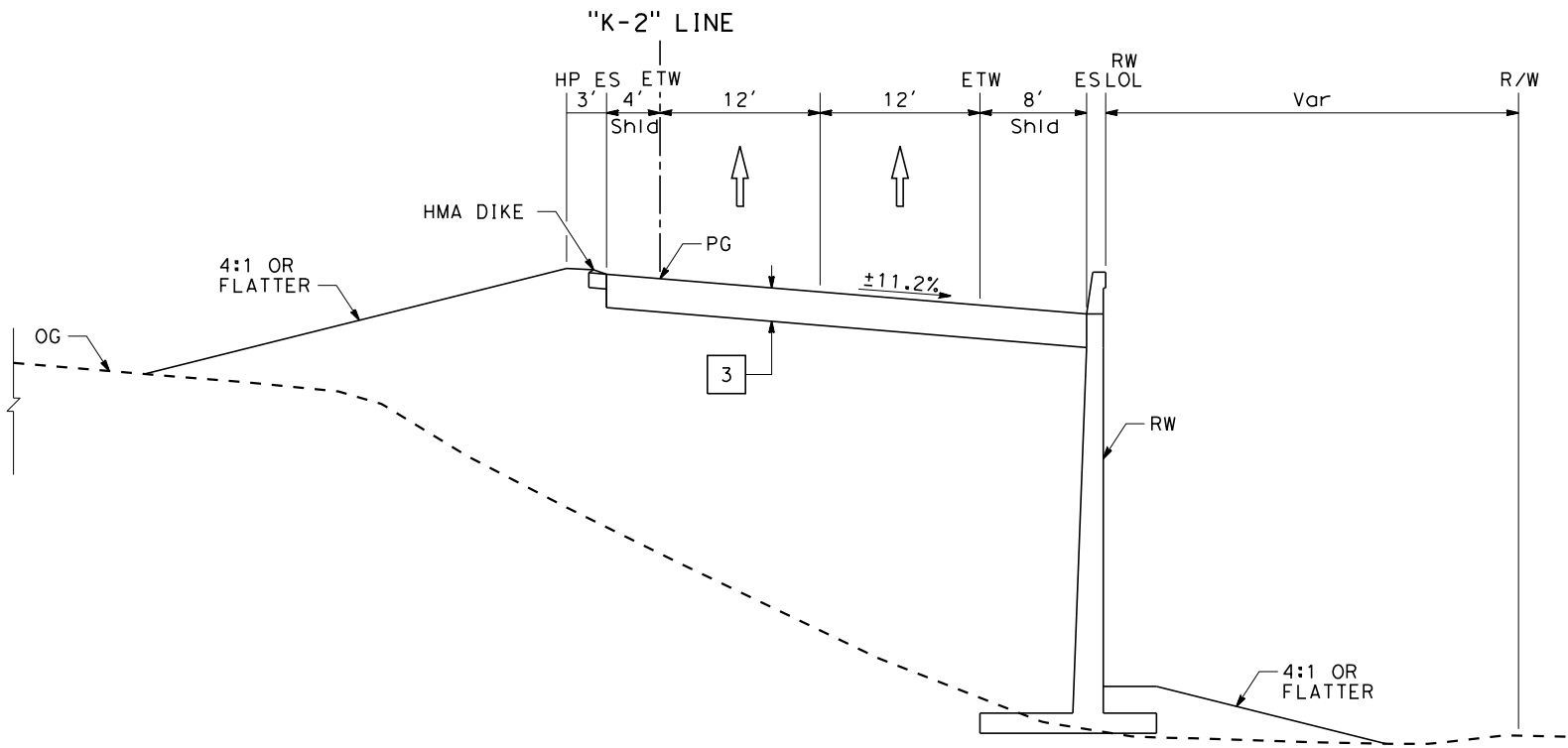
Exp.

CIVIL

STATE OF CALIFORNIA



NORTHBOUND
"K-2" Sta 261+20 TO "K-2" 268+00



NORTHBOUND
"K-2" Sta 256+80 TO "K-2" 261+20

KATELLA Ave NB OFF-RAMP

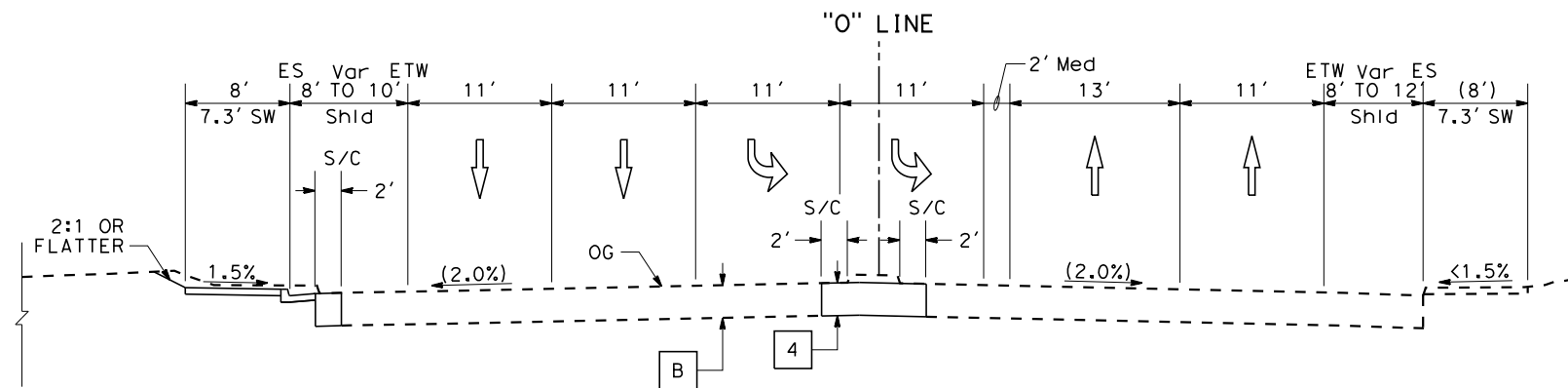
TYPICAL CROSS SECTIONS
ALTERNATIVE 2A

NO SCALE

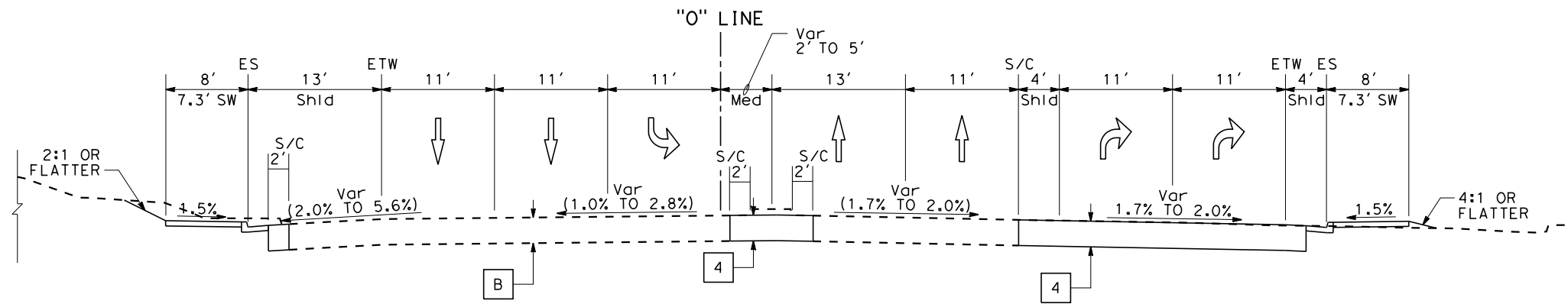
X-4

NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Or	57	11.5/12.5		
REGISTERED CIVIL ENGINEER DATE _____ PLANS APPROVAL DATE _____ <i>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.</i> T.Y. LIN INTERNATIONAL 20. PACIFICA SUITE 350 IRVINE, CA 92618 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868					



EASTBOUND
"0" Sta 24+00 TO "0" 26+50



EASTBOUND

"0" Sta 19+50 TO "0" 24+00

ORANGEWOOD Ave

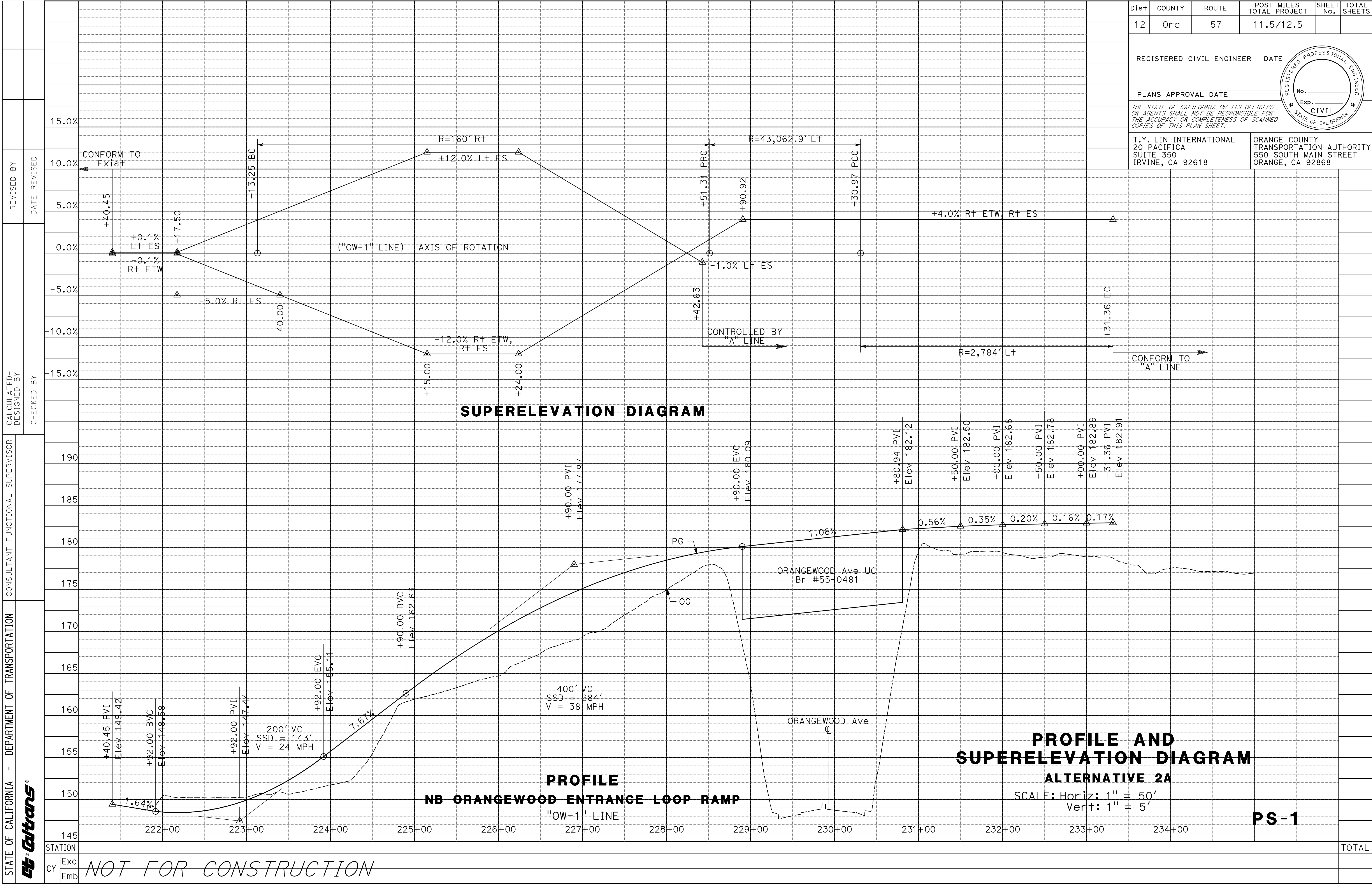
TYPICAL CROSS SECTIONS

ALTERNATIVE 2A

NO SCALE

X-5

NOT FOR CONSTRUCTION



12

Oran

57

11.5/12.5

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.

T.Y. LIN INTERNATIONAL
20 PACIFICA
SUITE 350
IRVINE, CA 92618

ORANGE COUNTY
TRANSPORTATION AUTHORITY
550 SOUTH MAIN STREET
ORANGE, CA 92868

NOT FOR CONSTRUCTION

BORDER LAST REVISED 7/2/2010

USERNAME => \$USER
DGN FILE => \$REQUEST

RELATIVE BORDER SCALE
IS IN INCHES

UNIT 2998

PROJECT NUMBER & PHASE

1213000099

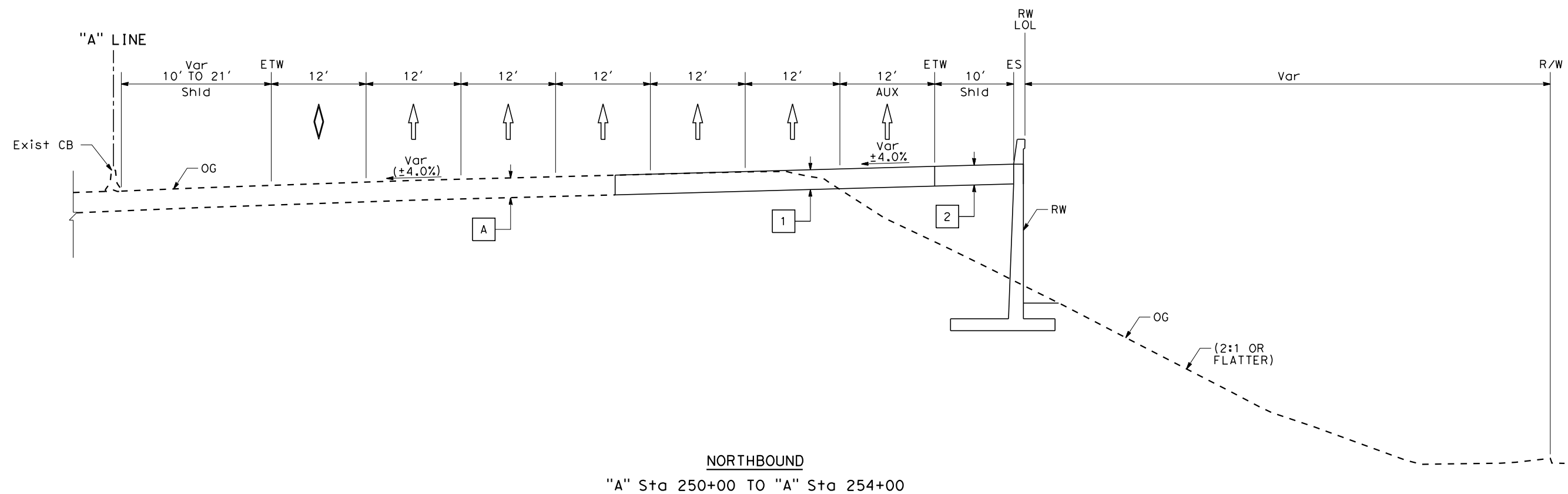
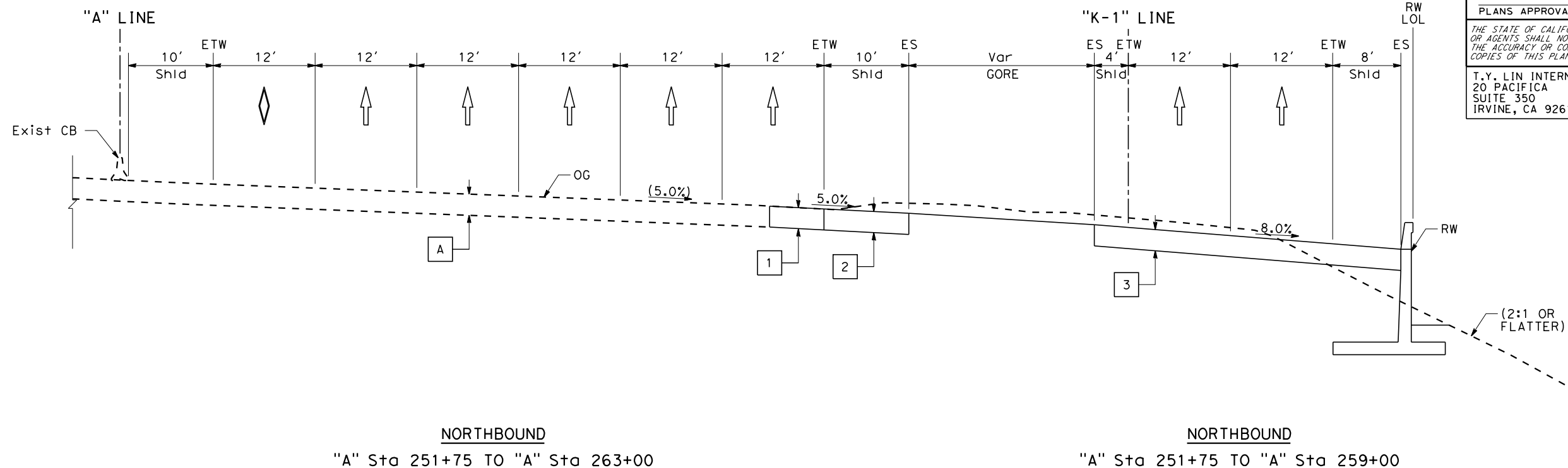
LAST REVISION

DATE PLOTTED => \$DATE

TIME PLOTTED => \$TIME

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		CONSULTANT FUNCTIONAL SUPERVISOR		CALCULATED-DESIGNED BY		REVISOR		DATE		Dist		COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS			
										12	Ora	57	11.5/12.5						
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. T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618 ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868 REGISTERED PROFESSIONAL ENGINEER No. Exp. CIVIL STATE OF CALIFORNIA										12		Ora	57	11.5/12.5					
										REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
										REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
										REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
SUPERELEVATION DIAGRAM										12		Ora	57	11.5/12.5					
PROFILE										12		Ora	57	11.5/12.5					
NB KATELLA EXIT RAMP										12		Ora	57	11.5/12.5					
"K-2" LINE										12		Ora	57	11.5/12.5					
PROFILE AND SUPERELEVATION DIAGRAM										12		Ora	57	11.5/12.5					
ALTERNATIVE 2A										12		Ora	57	11.5/12.5					
SCALE: Horiz: 1" = 50'										12		Ora	57	11.5/12.5					
Vert: 1" = 5'										12		Ora	57	11.5/12.5					
PS-2										12		Ora	57	11.5/12.5					
NOT FOR CONSTRUCTION										12		Ora	57	11.5/12.5					
TOTAL										12		Ora	57	11.5/12.5					

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	57	11.5/12.5		
REGISTERED CIVIL ENGINEER DATE _____  PLANS APPROVAL DATE _____ <i>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.</i>					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		

**ROUTE 57**

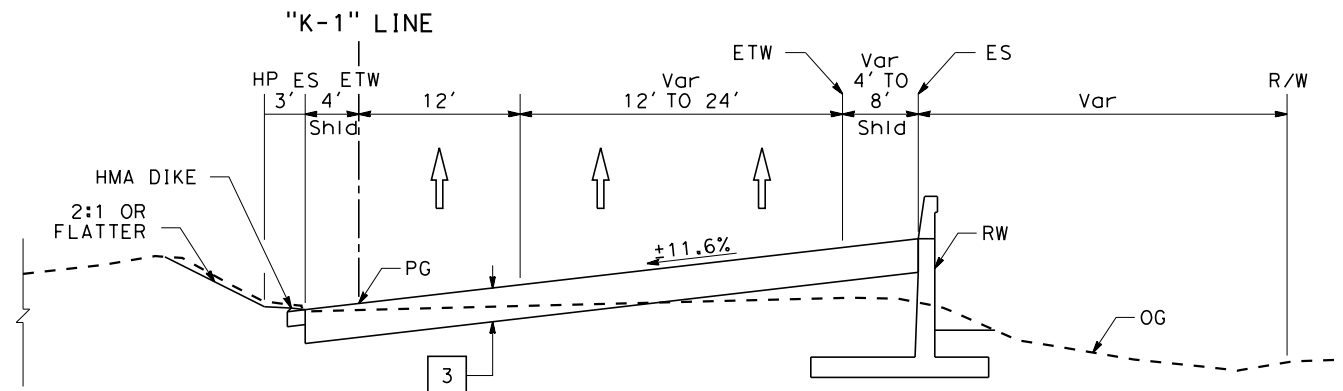
TYPICAL CROSS SECTIONS ALTERNATIVE 2B

NO SCALE

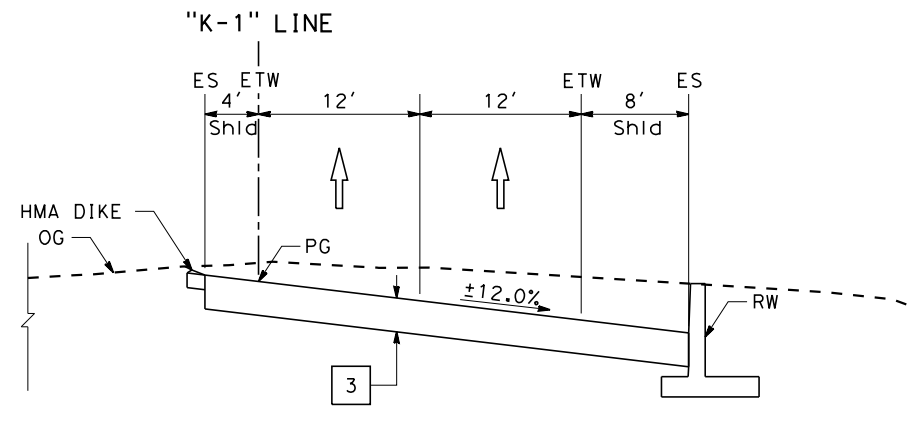
X-2

NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		
<u>REGISTERED CIVIL ENGINEER</u> <u>DATE</u>  <u>PLANS APPROVAL DATE</u> <i>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.</i>					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		



NORTHBOUND
"K-1" Sta 262+50 TO "K-1" 268+00



NORTHBOUND
"K-1" Sta 259+00 TO "K-1" 262+50

KATELLA Ave NB OFF-RAMP

TYPICAL CROSS SECTIONS

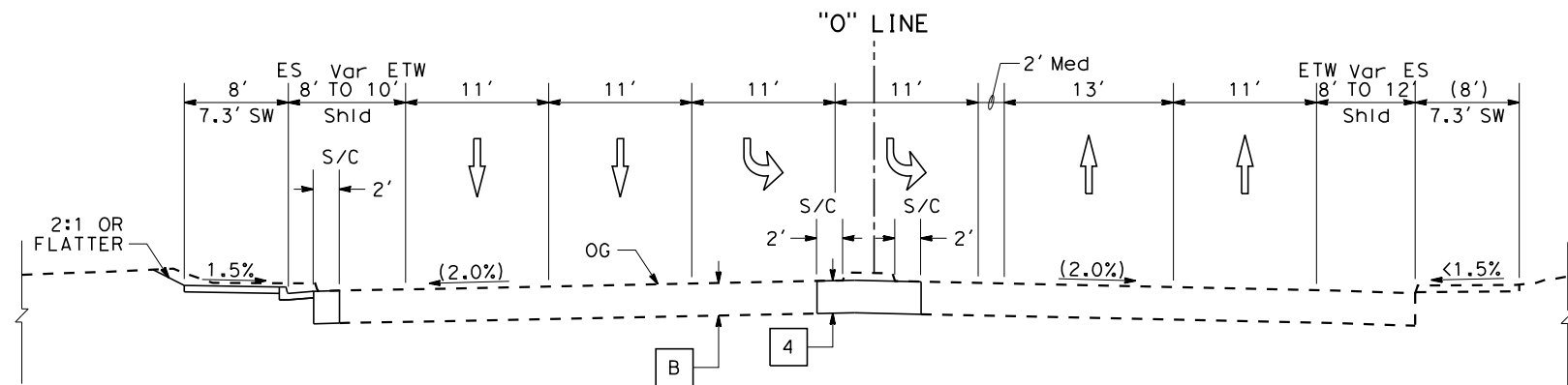
ALTERNATIVE 2B

NO SCALE

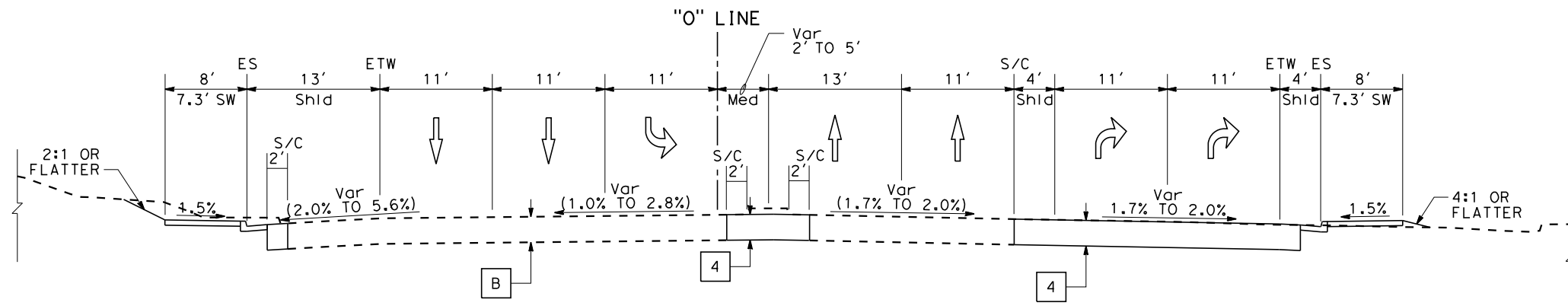
X-4

NOT FOR CONSTRUCTION

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Oran	57	11.5/12.5		
<u>REGISTERED CIVIL ENGINEER</u> <u>DATE</u> <u>PLANS APPROVAL DATE</u> <i>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.</i>					
T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618			ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868		



EASTBOUND
"0" Sta 24+00 TO "0" 26+50



EASTBOUND

"0" Sta 19+50 TO "0" 24+00

ORANGEWOOD Ave

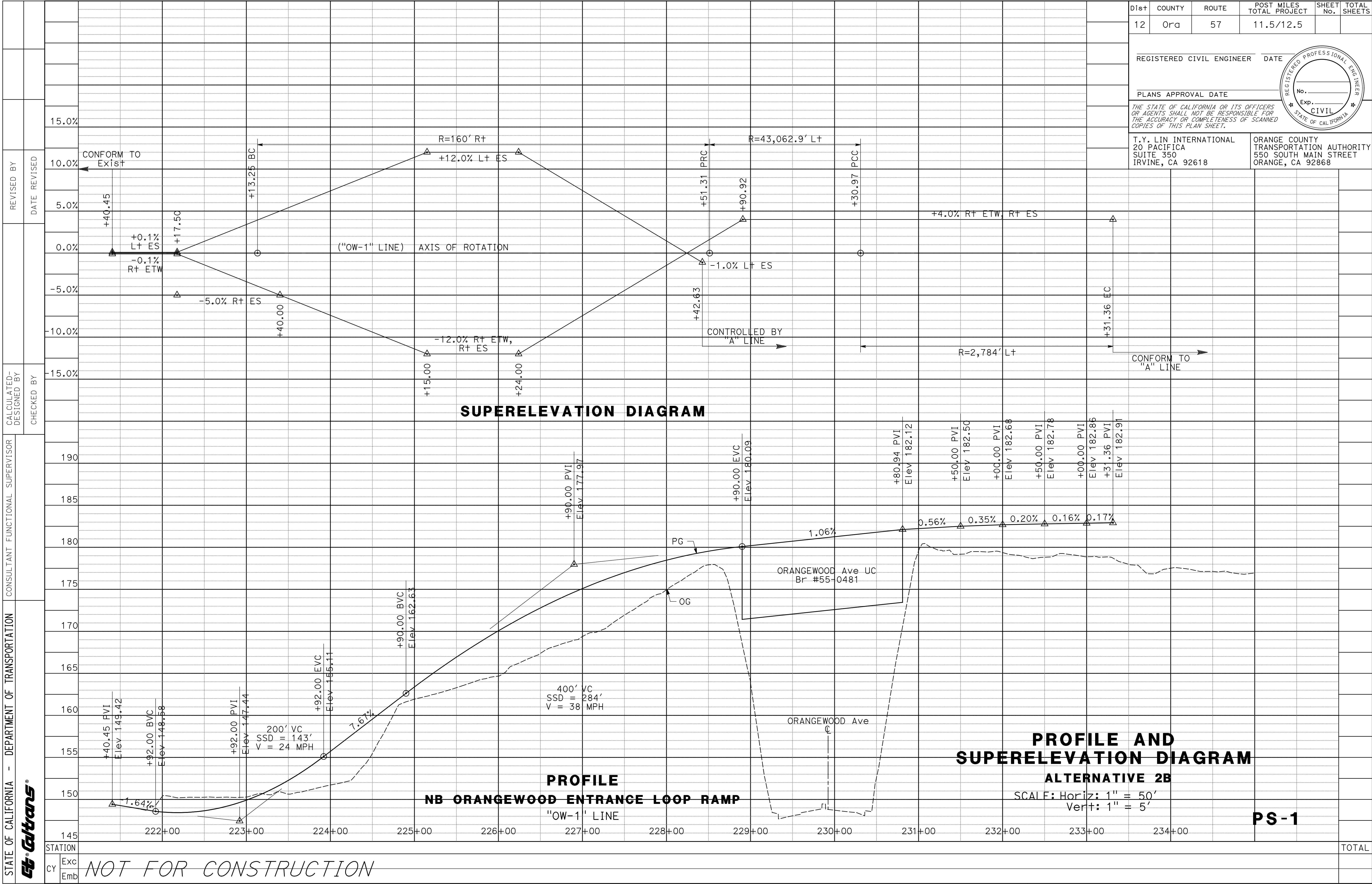
TYPICAL CROSS SECTIONS

ALTERNATIVE 2B

NO SCALE

X-5

NOT FOR CONSTRUCTION



NOT FOR CONSTRUCTION

0

1

2

3

UNIT 2998

PROJECT NUMBER & PHASE

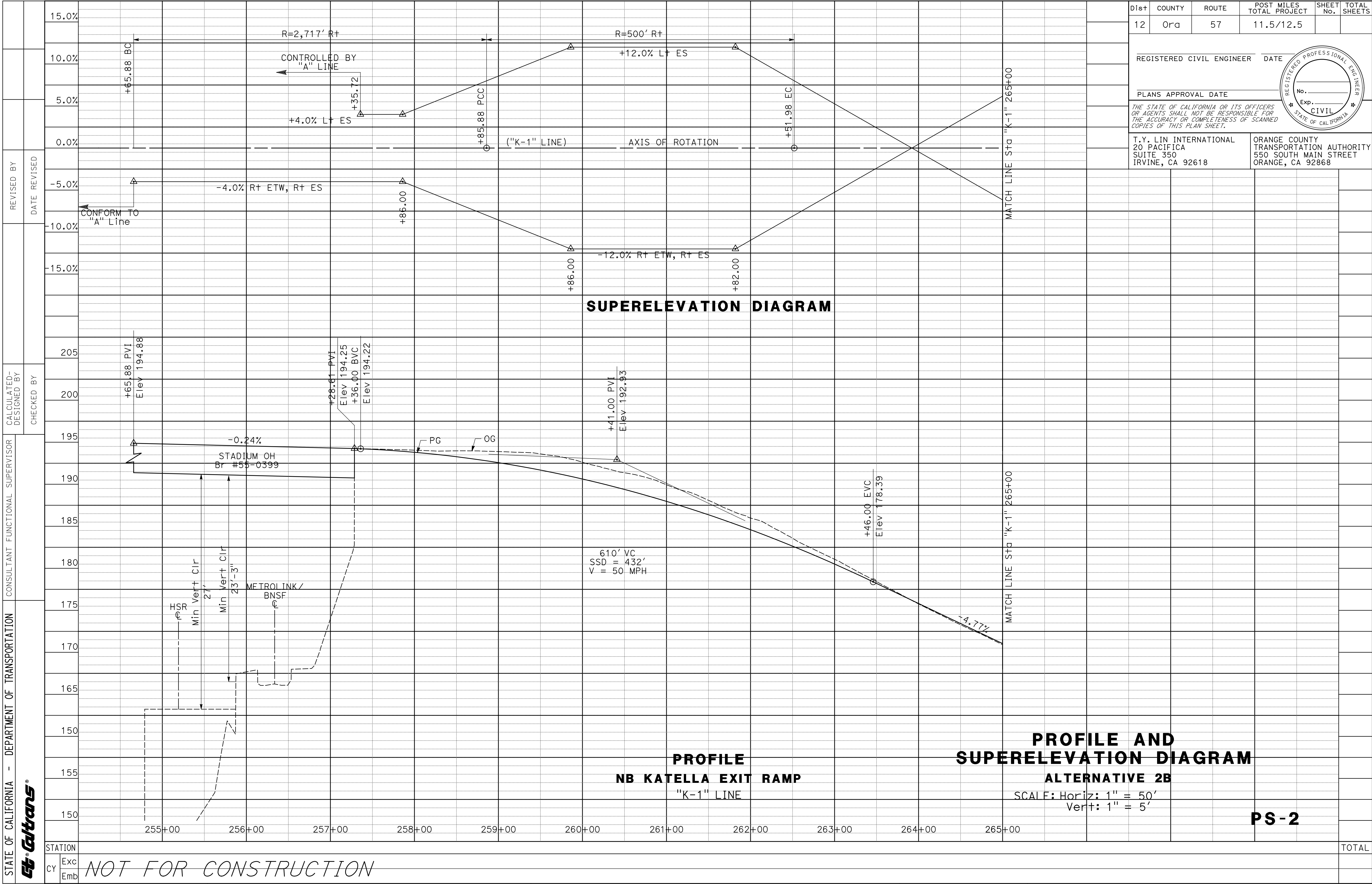
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00-00-00

LAST REVISION

DATE PLOTTED => \$DATE

TIME PLOTTED => \$TIME



Dist

County

Route

Post Miles Total Project

Sheet No.

Total Sheets

12

Oran

57

11.5/12.5

REGISTERED CIVIL ENGINEER

DATE

PLANS APPROVAL DATE

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T.Y. LIN INTERNATIONAL
20 PACIFICA
SUITE 350
IRVINE, CA 92618

ORANGE COUNTY
TRANSPORTATION AUTHORITY
550 SOUTH MAIN STREET
ORANGE, CA 92868

REGISTERED PROFESSIONAL ENGINEER

No.

Exp.

CIVIL

STATE OF CALIFORNIA

0

1

2

3

UNIT 2998

PROJECT NUMBER & PHASE

1213000099

00-00-00

LAST REVISION

DATE PLOTTED => \$DATE

TIME PLOTTED => \$TIME

NOT FOR CONSTRUCTION

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION		CONSULTANT FUNCTIONAL SUPERVISOR		CALCULATED-DESIGNED BY		REVISOR		DATE		DIST		COUNTY		ROUTE		POST MILES TOTAL PROJECT		SHEET No.		TOTAL SHEETS					
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
CY		Exc		Emb		NOT FOR CONSTRUCTION		12		Ora		57		11.5/12.5		REGISTERED CIVIL ENGINEER		DATE		PLANS APPROVAL DATE		T.Y. LIN INTERNATIONAL 20 PACIFICA SUITE 350 IRVINE, CA 92618		ORANGE COUNTY TRANSPORTATION AUTHORITY 550 SOUTH MAIN STREET ORANGE, CA 92868	
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