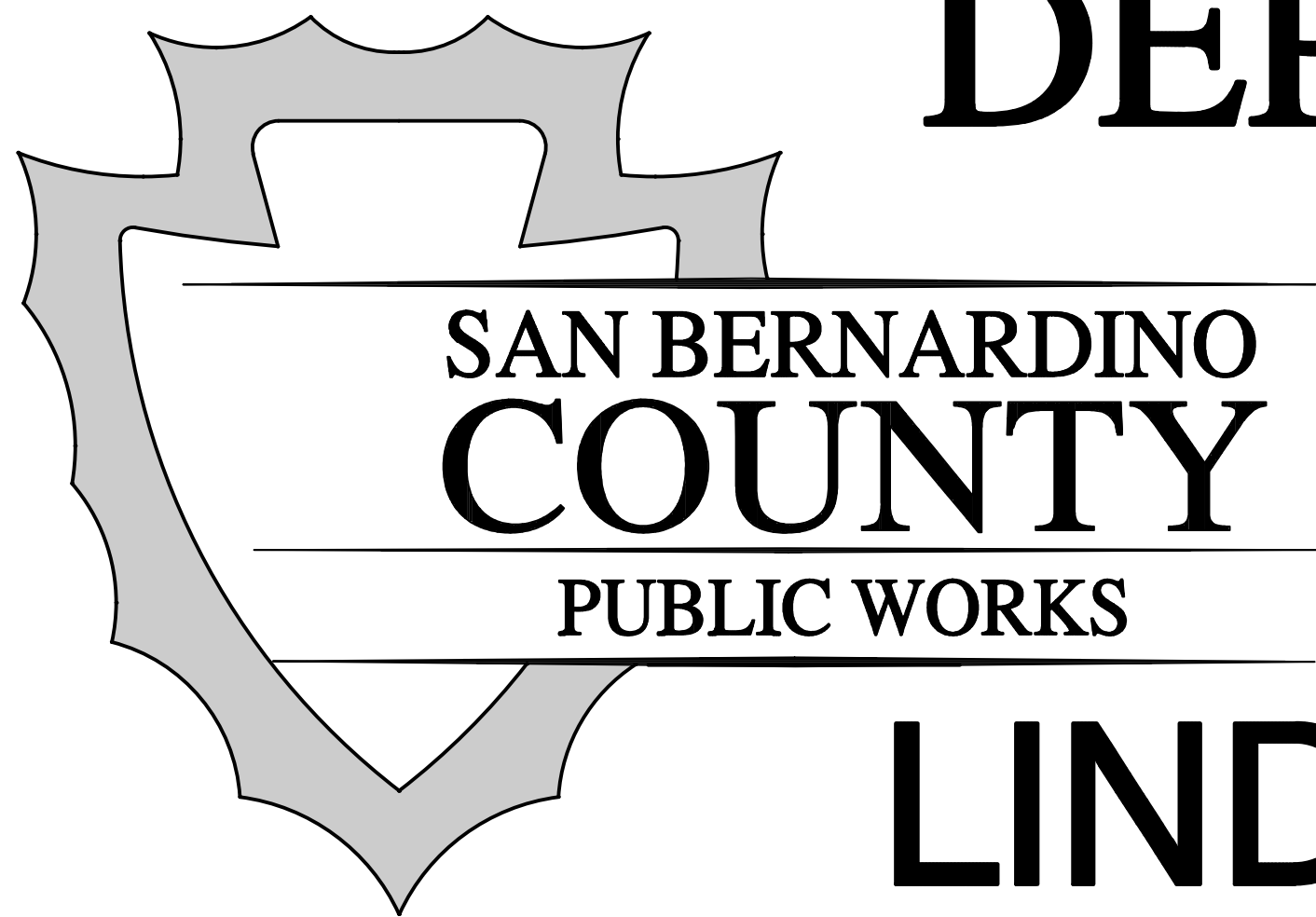


WARNING: ALL INDIVIDUALS INTERESTED IN BIDDING ON THIS PROJECT MUST OBTAIN THE FINAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED ON THE CLERK OF THE BOARD'S WEBSITE FOR BIDDING ON THIS PROJECT.

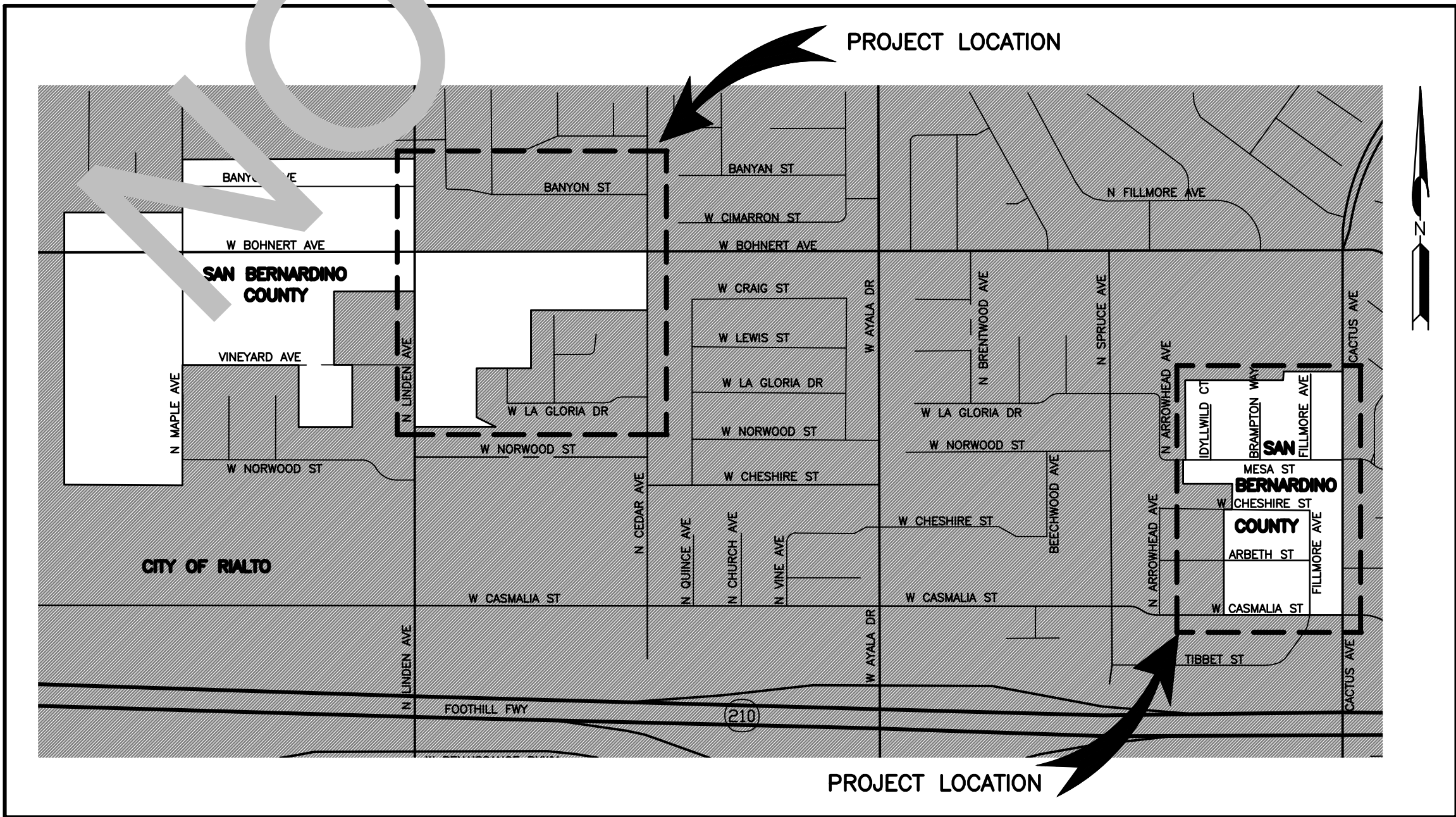
FILE NO. 495900-080, 218550-040, 216600-010, 351300-020/030, 544500-010, 434650-010, 178500-010, 229050-010, 125200-010



SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

TRANSPORTATION PLANS FOR CONSTRUCTION ON LINDEN AVENUE AND OTHER ROADS

VARIOUS LIMITS
RIALTO AREA
WORK ORDER NO. WY 1796 ROAD NO. VARIOUS
LENGTH = APPROXIMATELY 1.08 MILES



LOCATION MAP
NOT TO SCALE

SAN BERNARDINO COUNTY

APPROVED BY: _____ DATE _____
BRENDON BIGGS, M.S., P.E., DIRECTOR OF PUBLIC WORKS R.C.E. 57127

APPROVED BY: _____ DATE _____
NOEL CASTILLO, P.E., ASSISTANT DIRECTOR OF PUBLIC WORKS R.C.E. 78044

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES		SHT. NO.	TOT. SH'T'S.
		1	12

FILE NO. 496900-080, 218550-040, 216600-010, 351300-020/030, 544500-010, 434650-010, 178500-010, 229050-010, 125200-010

FILE NO. 495900-080, 218550-040, 216600-010, 351300-020/030, 544500-010, 434650-010, 178500-010, 229050-010, 125200-010

INDEX OF SHEETS

- 1
2
3-4
5-6
7
8-9
10-12
7 OF 7
2 OF 2
- TITLE SHEET
PROJECT NOTES, LEGENDS, INDEX MAP, INDEX OF SHEETS
TYPICAL SECTIONS AND MISCELLANEOUS DETAILS
PLAN AND PROFILE LINDEN AVENUE
PLAN AND PROFILE CEDAR AVENUE
PLAN RAMP
TRAFFIC SIGNING AND STRIPING PLAN
CROSS SECTIONS LINDEN AVE
CROSS SECTIONS CEDAR AVE

THE FOLLOWING SPECIAL DRAWINGS AND COUNTY STANDARDS ARE ATTACHED TO THE SPECIAL PROVISIONS:

109 (MODIFIED) 115 (MODIFIED) 117 (MODIFIED) 119 (MODIFIED)
301 (MODIFIED) 303A 303B 312
SPECIAL DRAWING 112 SPECIAL DRAWING 135B

TO BE SUPPLEMENTED BY THE FOLLOWING CALTRANS STANDARD PLANS DATED 2018:

A20A	A20B	A24C	A24D
A24E	A24F	A88A	B3-7B
B3-7C	T9	T10	T11
T12	T13		

TO BE SUPPLEMENTED BY THE FOLLOWING CA MUTCD STANDARD PLANS DATED 2014:

FIG 2A-2(CA) FIG 2A-3 FIG 2C-13(CA)
FIG 3B-102(CA) FIG 6H-28 FIG 6H-29
SEC 6D.01 SEC 6D.02

TO BE SUPPLEMENTED BY THE FOLLOWING STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION DATED 2009:

112-2

THIS PROJECT REQUIRES A CONTRACTOR'S LICENSE CLASS "A" OR "C 12"

GENERAL NOTES

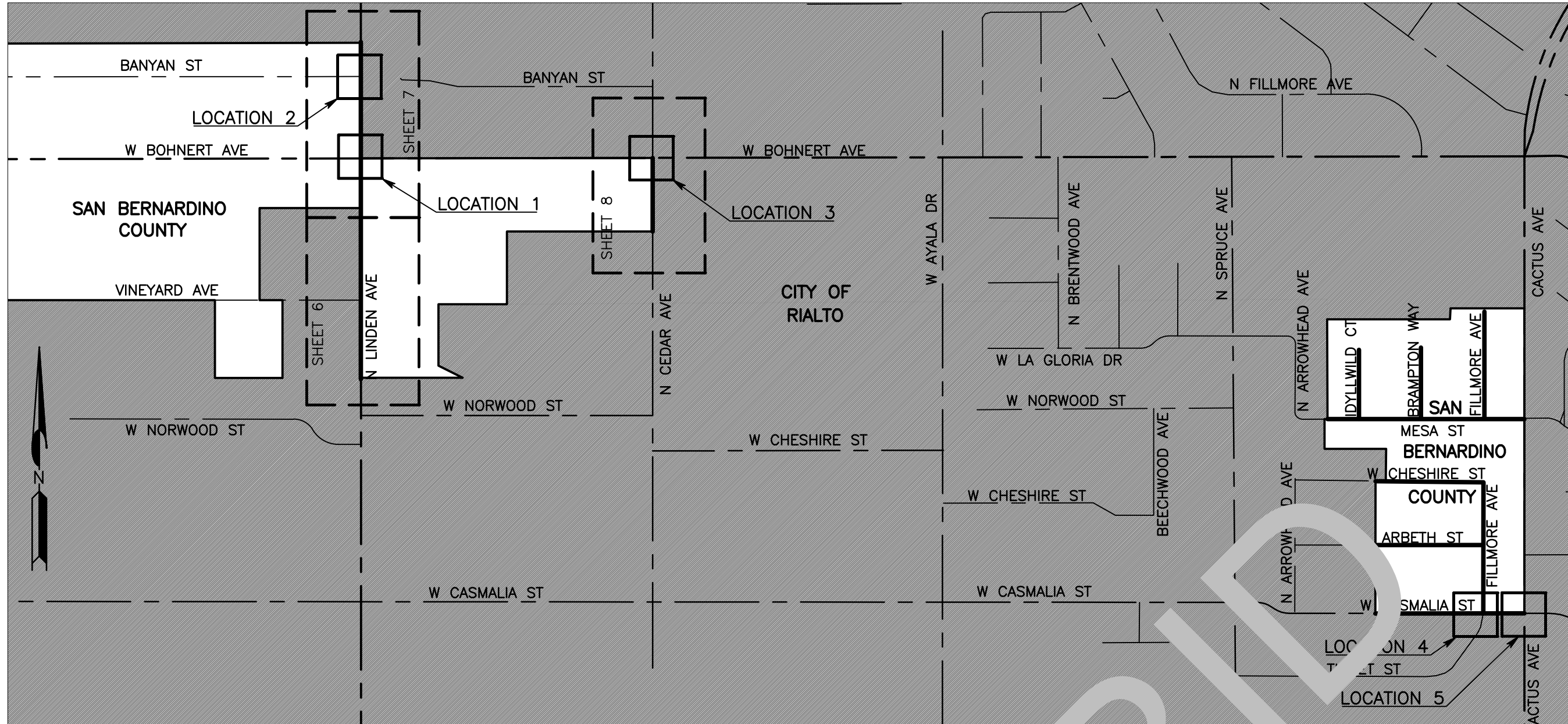
- U. THE FACT THAT ANY UTILITY FACILITY IS SHOWN OR NOT SHOWN UPON THE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY UNDER SECTION 5-1.36 C "NON-HIGHWAY FACILITIES" OF THE CALTRANS STANDARD SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, PURSUANT THERETO, TO ASCERTAIN THE LOCATION OF ANY UTILITY FACILITY WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF THE CONTRACTOR'S OPERATIONS.
1. ALL STATIONING NOTES ON PLAN REFER TO THE CL OF LINDEN AVE AND CEDAR AVE OR SIDE STREETS.
2. DIMENSIONS ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS.
3. ALL PAVEMENT WIDTH DIMENSIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT OR TO THE TOP OF CURB, UNLESS OTHERWISE NOTED.
4. TRANSITIONS AND WARPING SHALL BE AS SHOWN AND AS DETERMINED BY THE ENGINEER.
5. ASPHALT CONCRETE OVERLAYS SHALL BE FEATHERED TO MEET EXISTING AS SHOWN ON THE PLANS OR AS DETERMINED BY THE ENGINEER.
6. ALL TREES & VEGETATION OUTSIDE THE LIMITS OF EXCAVATION AND EMBANKMENT SLOPE LINES, SHALL BE PROTECTED IN PLACE.

BASIS OF BEARINGS:

THE CENTERLINE OF LINDEN AVE FROM CASMALIA STREET TO BOHNERT AVE PER RS 161/65-97 BEING N00°20'00"W

BENCH MARK:

FD CHISEL BOX IN CURB @ N'LY BCR OF SCHOOL ENTRANCE, NW'LY OF INTX OF LINDEN AVE AND WILDFLOWER STREET, PER CSFB 4049/851. NGVD-29 ELEV = 1537.13



INDEX MAP

NTS

RAMP TABLE:			
LOCATION:	RAMPS:		SHEET NUMBER:
LOCATION 1	LINDEN AVENUE @ BOHNERT AVENUE	RETURN 1	SHEET NUMBER 8
LOCATION 2	LINDEN AVENUE @ BANYAN STREET	RAMP 2	SHEET NUMBER 8
LOCATION 3	CEDAR AVENUE @ BOHNERT AVENUE	RAMP 3	SHEET NUMBER 8
LOCATION 4	CASMALIA STREET @ FILLMORE AVENUE	RAMP 4, RAMP 5	SHEET NUMBER 9
LOCATION 5	CASMALIA STREET @ CACTUS AVENUE		SHEET NUMBER 9

ROAD IMPROVEMENTS:		
ROAD NAME:	LIMITS:	SHEET NUMBER:
LINDEN AVENUE	0.03M NORTH OF NORWOOD ST TO 0.03M NORTH OF BANYAN ST	SHEET NUMBER 3, 5 AND 6
CEDAR AVENUE	0.06M SOUTH OF BOHNERT AVE TO BOHNERT AVE	SHEET NUMBER 3 AND 7
ARBETH STREET	0.09M WEST OF FILLMORE AVE TO FILLMORE AVE	SHEET NUMBER 4
BRAMFON WAY	MESA STREET NORTH TO END	SHEET NUMBER 4
CASMALIA STREET	0.03M WEST OF FILLMORE AVE TO CACTUS AVE	SHEET NUMBER 4
CHESHIRE STREET	0.03M WEST OF FILLMORE AVE TO FILLMORE AVE	SHEET NUMBER 4
FILLMORE AVENUE	CASMALIA ST TO CHESHIRE ST AND MESA ST NORTH 0.09M	SHEET NUMBER 4
IDYLLWILD COURT	MESA STREET NORTH 0.06M	SHEET NUMBER 4
MESA STREET	0.03M WEST OF IDYLLWILD COURT TO CACTUS AVE	SHEET NUMBER 4

ABBREVIATIONS LEGEND:

- AC = ASPHALT CONCRETE
AP = ANGLE POINT
AVE = AVENUE
BEG = BEGINNING
BCR = BEGIN CURB RETURN
BDR = BEGIN DIKE RETURN
BLKWL = BLOCK WALL
BPR = BEGIN PAVEMENT RETURN
CL = CENTER LINE
CLF = CHAIN LINK FENCE
DR = DRIVE
DWG = DRAWING
ECR = END OF CURB RETURN
EDR = END OF DIKE RETURN
EL = ELEVATION
EP = EDGE OF PAVEMENT
EPR = END OF PAVEMENT RETURN
EXIST = EXISTING
FCD = FLOOD CONTROL DISTRICT
FG = FINISHED GRADE
FL = FLOW LINE
LT = LEFT
MAX = MAXIMUM
MIN = MINIMUM
NTS = NOT TO SCALE
OC = ON CENTER
PEC = PERMIT TO ENTER AND CONSTRUCT
PG = PROFILE GRADE
PI = POINT OF INTERSECTION
PL = PROPERTY LINE
RT = RIGHT
R/W = RIGHT OF WAY
SBC = SAN BERNARDINO COUNTY
SHT = SHEET
ST = STREET
STA = STATION
STD = STANDARD
SUR = SURVEY
TC = TOP OF CURB
TF = TOP OF FOOTING
THK = THICKNESS
VC = VERTICAL CURVE
WF = WOOD FENCE

CONSTRUCTION & UNDERGROUND UTILITY LEGEND

- COLD PLANE/ MILL AND OVERLAY

AGGREGATE BASE

ASPHALT CONCRETE PAVEMENT

REMOVE CONCRETE SURFACE

PORTLAND CEMENT CONCRETE PLAN

PORTLAND CEMENT CONCRETE SECTION

NATURAL GROUND

RAMP 1

RAMP NUMBER

1

CURB RETURN NUMBER

PROPOSED SLOPE

EXISTING SLOPE

G

GAS LINE

S

SEWER MAIN LINE

W

WATER LINE

E

ELECTRIC LINE

T

TELEPHONE LINE

TF

DATA/CABLE LINE

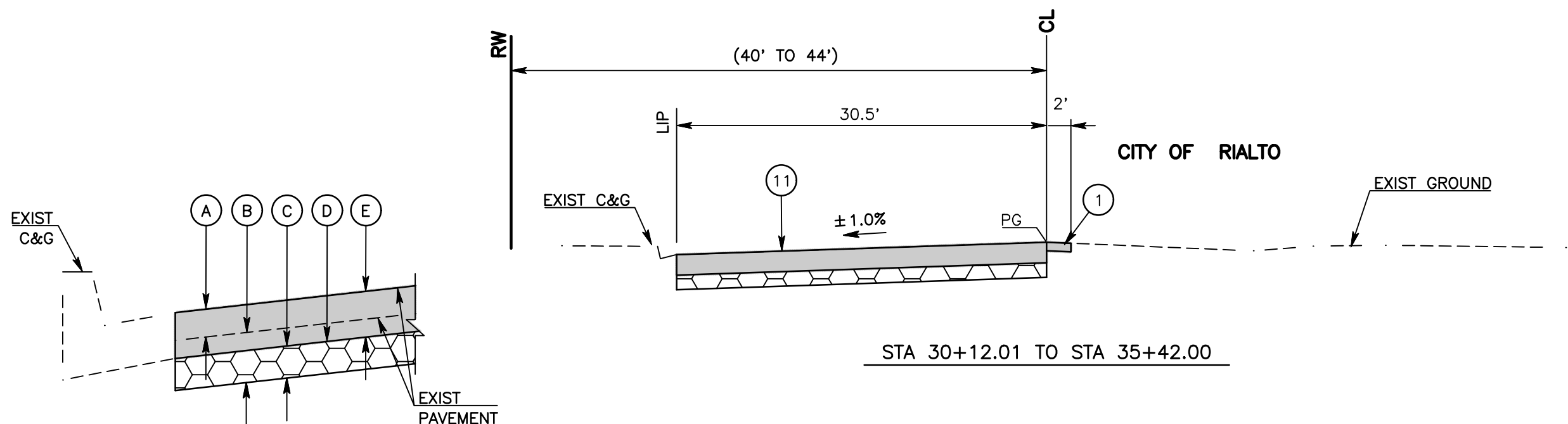
CONSTRUCTION NOTES:

- U UTILITIES TO BE RESET BY OTHERS (SEE NOTE U OF GENERAL NOTES ON THIS SHEET)
1 COLD PLANE 0.20' THK (2' WIDE MIN) AND PLACE 0.20' THK ASPHALT CONCRETE (TYPE A) HMA
2 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING
3 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING TO A DEPTH OF 0.50' BELOW FINISHED GRADE
4 SAWCUT AND REMOVE EXISTING CONCRETE SURFACING, RAMP, SIDEWALK, DRIVEWAY, CROSS GUTTER AND SPANDREL
5 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE DIKE
6 SAWCUT AND REMOVE EXISTING CURB OR CURB AND GUTTER
7 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING TO A DEPTH OF 0.67' BELOW FINISHED GRADE
8 REMOVE AND/OR RELOCATE TRAFFIC SIGN PER TRAFFIC PLANS AND SPECIAL PROVISIONS
9 RESET OR RELOCATE MAIL BOX PER COUNTY STD DWG 312
10 PROTECT IN PLACE
11 PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 3 AND SHEET 4
12 PLACE ASPHALT CONCRETE DIKE PER COUNTY STD DWG 117 (MODIFIED)
13 COLD PLANE 0.16' THK (2' WIDE MIN) AND PLACE 0.16' THK ASPHALT CONCRETE (TYPE G) RHMA
14 CONSTRUCT 8" CURB AND GUTTER PER COUNTY STD DWG 115 (MODIFIED)
15 CONSTRUCT CROSS GUTTER PER COUNTY STD DWG 119 (MODIFIED)
16 CONSTRUCT SPANDREL PER COUNTY STD DWG 119 (MODIFIED)
17 CONSTRUCT SIDEWALK & RAMP PER CALTRANS STD AB8A CASE A
18 CONSTRUCT SIDEWALK & RAMP PER CALTRANS STD AB8A CASE B
19 REMOVE AND REPLACE 6' WOOD FENCE IN KIND AS SHOWN ON PLAN
20 PLACE DETECTABLE WARNING SURFACE PER CALTRANS STD AB8A
21 PLACE (0.33' THICK) CONCRETE SIDEWALK PER COUNTY STD DWG 109 (MODIFIED)
22 PLACE CONCRETE DRIVEWAY APPROACH PER SPEC DWG 135 B
23 PLACE (0.25' THICK) ASPHALT CONCRETE (TYPE A) HMA OVER COMPACTED NATIVE SOIL
24 PLACE (0.50' THICK) ASPHALT CONCRETE (TYPE A) HMA OVER COMPACTED NATIVE SOIL
25 INSTALL 8" RETAINING CURB PER CALTRANS STD AB8A
26 REMOVE EXISTING GROUND TO A DEPTH OF 0.85' BELOW FINISHED SURFACE
27 REMOVE AND RELOCATE LANDSCAPING ROCKS
28 PLACE (0.33' THICK) CONCRETE
29 PLACE (0.16' THICK) ASPHALT CONCRETE (TYPE G) RHMA OVER (0.51' THICK) ASPHALT CONCRETE (TYPE A) HMA
30 MEET EXIST GROUND WITH 2:1 OR FLATTER FILL/CUT SLOPE
31 PAINT DETECTABLE WARNING SURFACE (BY OTHERS)
32 REMOVE AND DISPOSE OF CHAIN LINK FENCE
33 REMOVE AND RESET GAS PADDLE
34 REMOVE, DISPOSE OF AND REPLACE 3' HIGH BLOCK WALL IN KIND AND AS SHOWN ON PLAN AND PROFILE
35 BLOCK WALL ON SHEET 4 AND PER CALTRANS STD B3-7B AND B3-7C
36 PLACE GROUTED ROCK TREATMENT PER SPECIAL DRAWING 112

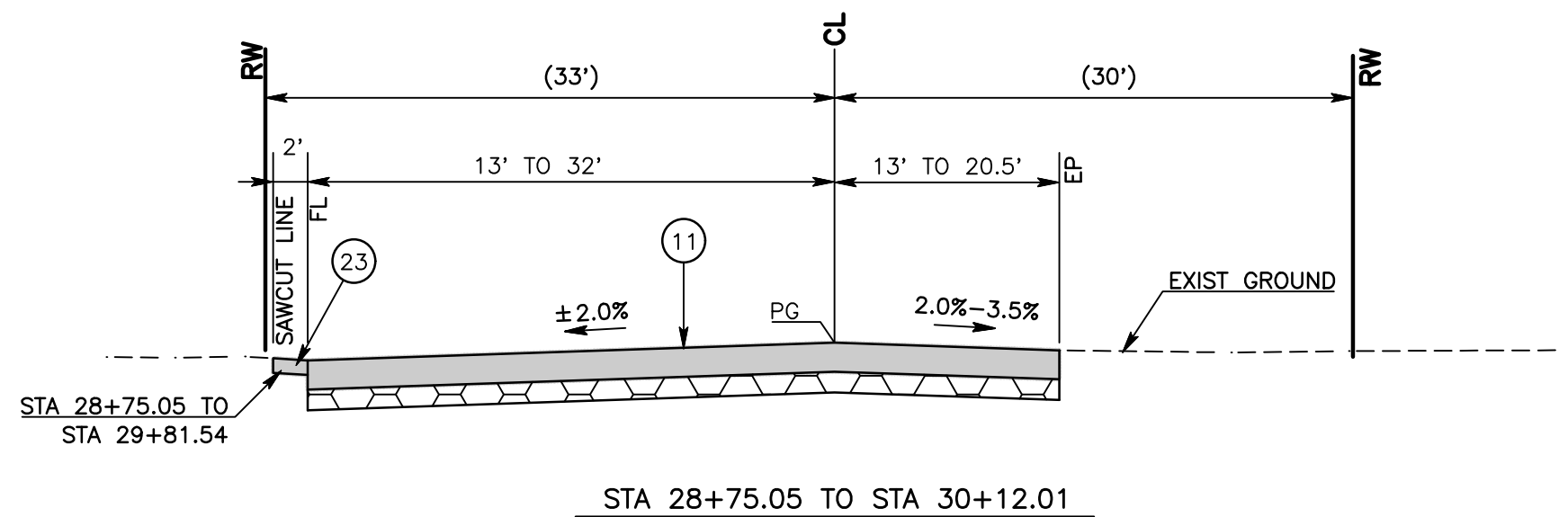
MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES			



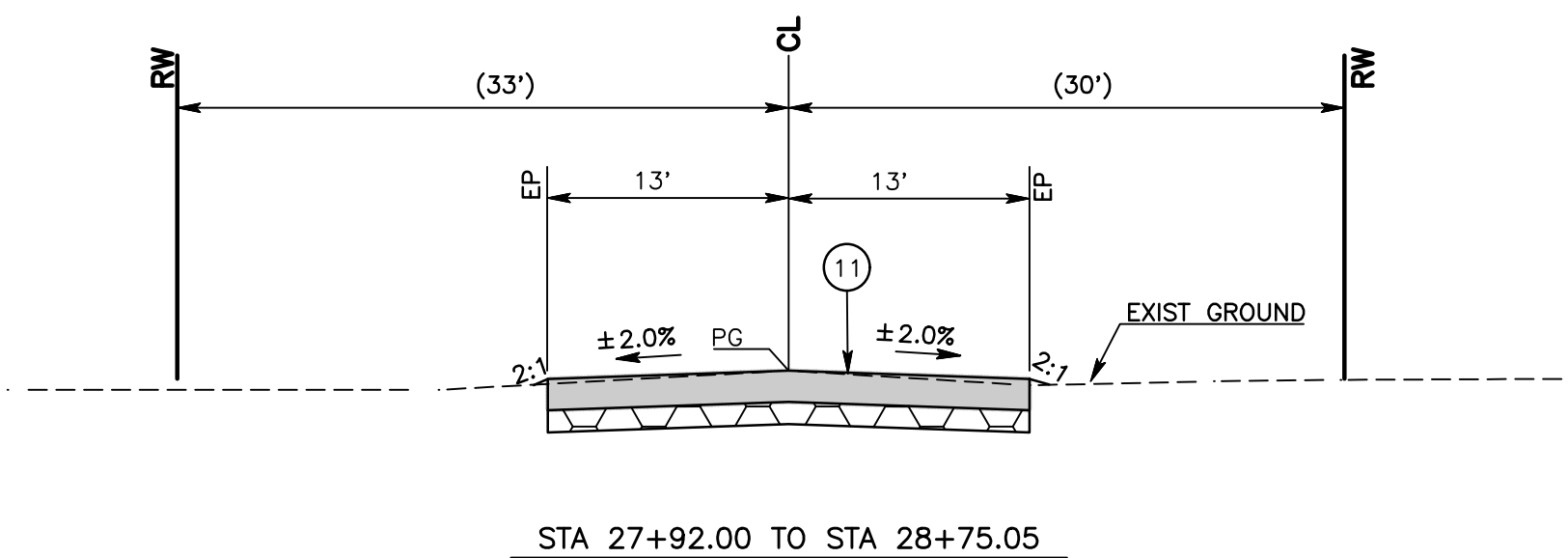
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS					LINDEN AVE & OTHER ROADS				
DESIGNED BY: SB/CBB	DRAWN BY: CBB	CHECKED BY: DJ	RECOMMENDED BY: CHRIS NGUYEN, P.E. INTERIM ENGINEERING MANAGER DATE		PROJECT NOTES, LEGENDS, INDEX MAP AND INDEX OF SHEETS RIALTO AREA				
APPROVED BY: ELOY RUVALCABA, P.E. SUPERVISING ENGINEER DATE			APPROVED BY: MERVAT N. MIKKAL, P.E. INTERIM DEPUTY DIRECTOR DATE		J.L. REF. J.L.11788	W.O. NO. TX1796	PLAN SCALE NONE	SHT. NO. 2	TOT. SHT'S. 12



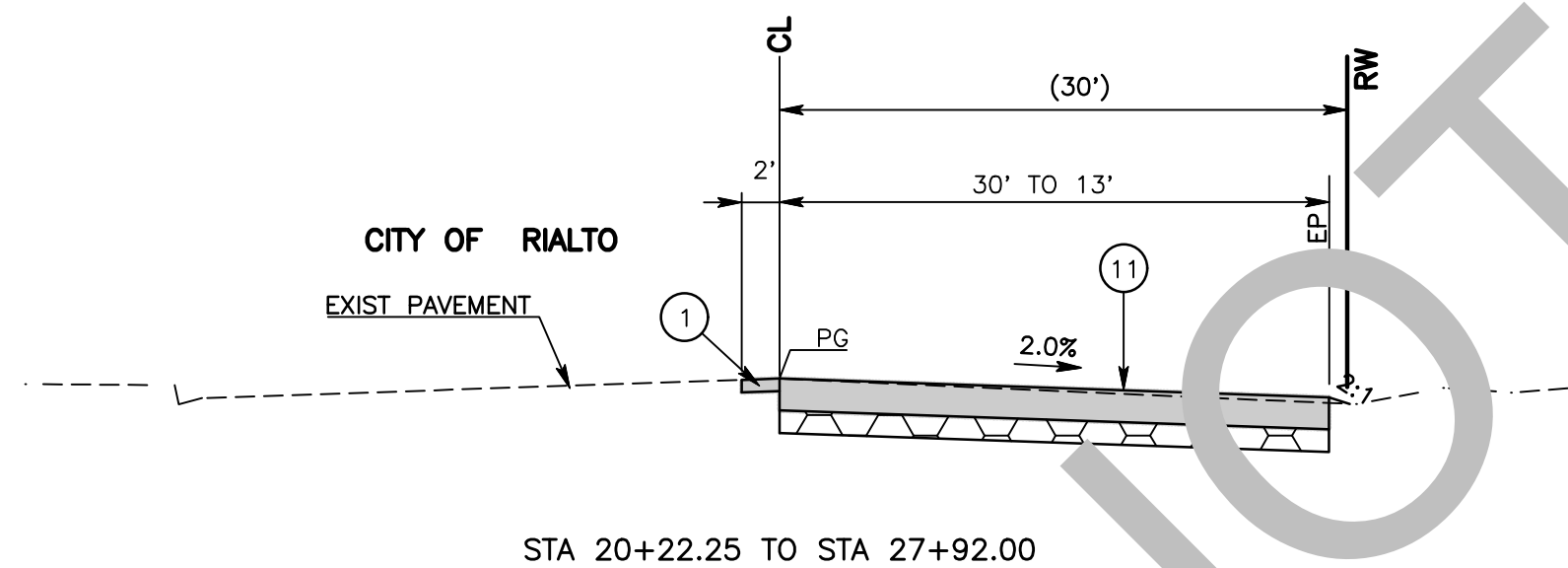
STRUCTURAL SECTION DETAIL
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STA 28+75.05 TO STA 30+12.01



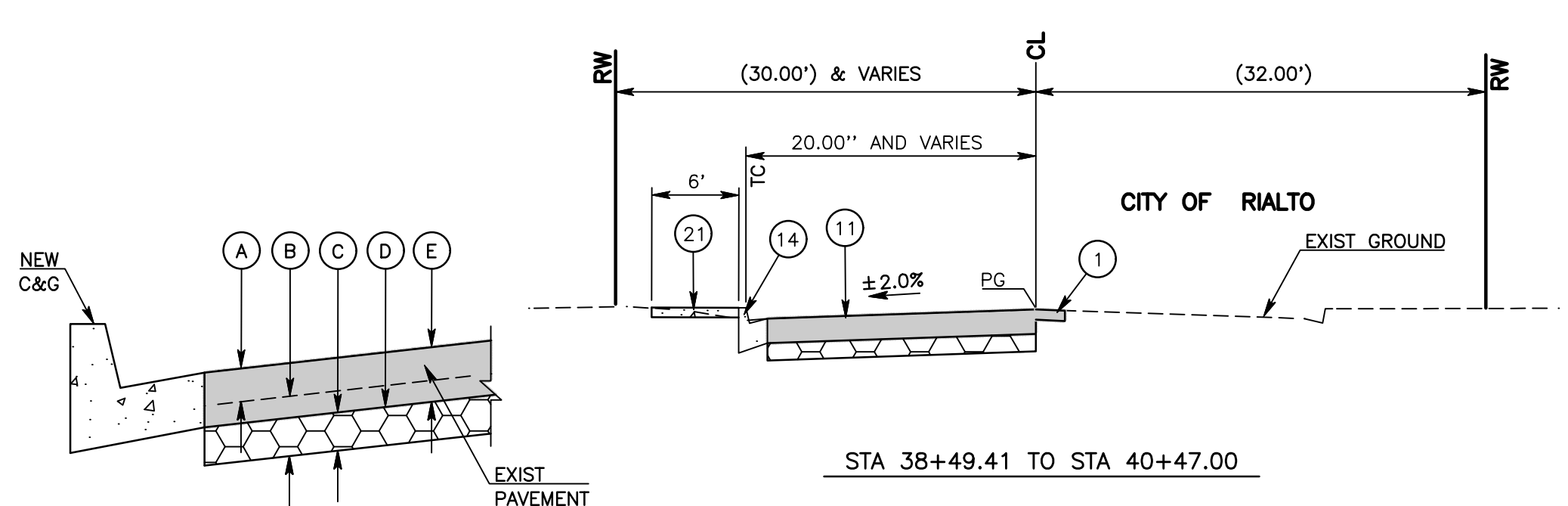
STA 27+92.00 TO STA 28+75.05



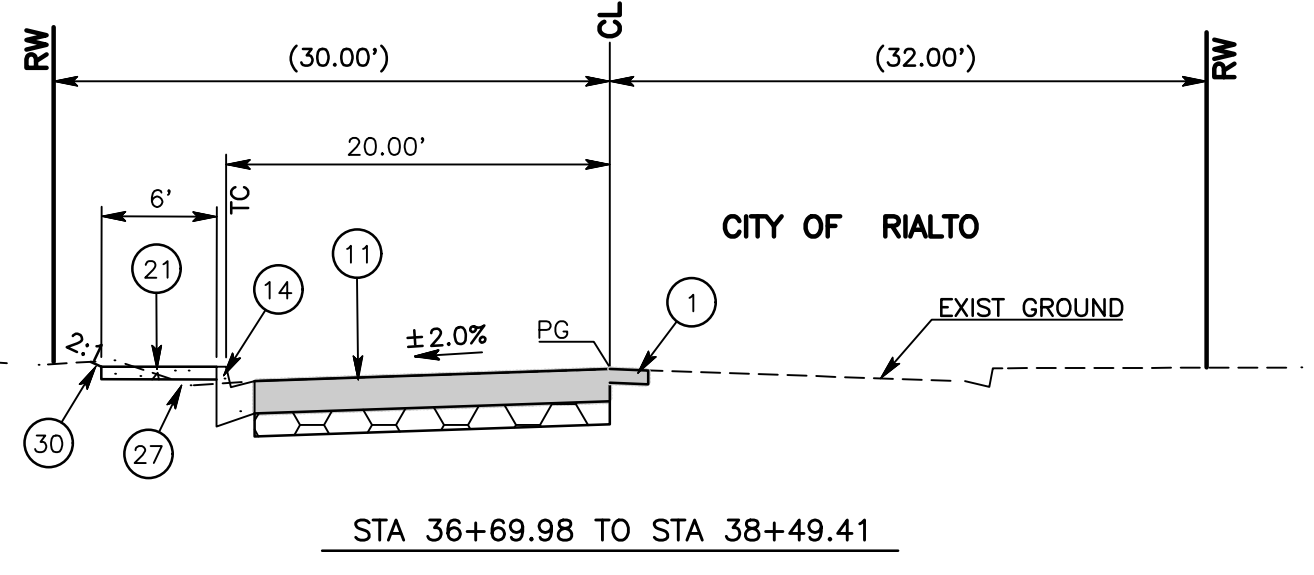
STA 20+22.25 TO STA 27+92.00

- STRUCTURAL SECTION DETAIL NOTES
- A REMOVE AND DISPOSE OF ASPHALT CONCRETE SURFACING
 - B REMOVE THE NATIVE MATERIAL TO A DEPTH OF 0.85' BELOW THE EXISTING TOP PAVEMENT SURFACE
 - C PLACE 0.35' OF CLASS 2 AGGREGATE BASE OR QUALIFIED PULVERIZED MATERIAL OVER NATIVE SOIL AND COMPACT
 - D APPLY PRIME COAT
 - E PLACE 0.50' OF TYPE "A", 3/4" AGGREGATE GRADATION, PG 70-10, HOT MIX ASPHALT

TYPICAL SECTION-LINDEN AVE
NTS



STRUCTURAL SECTION DETAIL
NTS



STA 36+69.98 TO STA 38+49.41

- STRUCTURAL SECTION DETAIL NOTES
- A REMOVE AND DISPOSE OF ASPHALT CONCRETE SURFACING
 - B REMOVE THE NATIVE MATERIAL TO A DEPTH OF 0.85' BELOW THE EXISTING TOP PAVEMENT SURFACE
 - C PLACE 0.35' CLASS 2 AGGREGATE BASE OR QUALIFIED PULVERIZED MATERIAL OVER NATIVE AND COMPACT
 - D APPLY PRIME COAT
 - E PLACE 0.50' TYPE "A", 3/4" AGGREGATE GRADATION, PG 70-10, HOT MIX ASPHALT

TYPICAL SECTION-CEDAR AVE
NTS

- CONSTRUCTION NOTES:
- 1 COLD PLANE 0.20' THK (2" WIDE MIN) AND PLACE 0.20' THK ASPHALT CONCRETE, TYPE A, HMA
 - 2 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING
 - 4 SAWCUT AND REMOVE EXISTING CONCRETE SURFACING, RAMP, SIDEWALK, DRIVEWAY, CROSS GUTTER AND SPANDREL
 - 11 PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON THIS SHEET
 - 14 CONSTRUCT 8" CURB AND GUTTER PER COUNTY STD DWG 115 (MODIFIED)
 - 21 PLACE (0.33' THICK) CONCRETE SIDEWALK PER COUNTY STD DWG 109 (MODIFIED)
 - 23 PLACE (0.25' THICK) ASPHALT CONCRETE (TYPE A) HMA OVER COMPACTED NATIVE SOIL
 - 27 REMOVE AND RELOCATE LANDSCAPE ROCKS
 - 30 MEET EXIST GROUND WITH 2:1 OR FLATTER FILL/CUT SLOPE

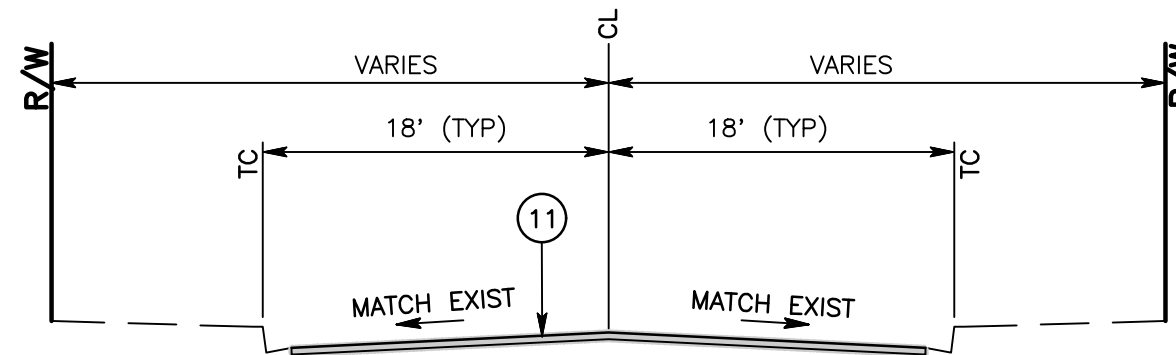
MARK			CHANGES			RESIDENT ENGINEER			DATE		
NO CHANGES											
FIELD CHANGES											

REGISTERED PROFESSIONAL ENGINEER
CHRIS NGUYEN
No. C63582
CIVIL
STATE OF CALIFORNIA

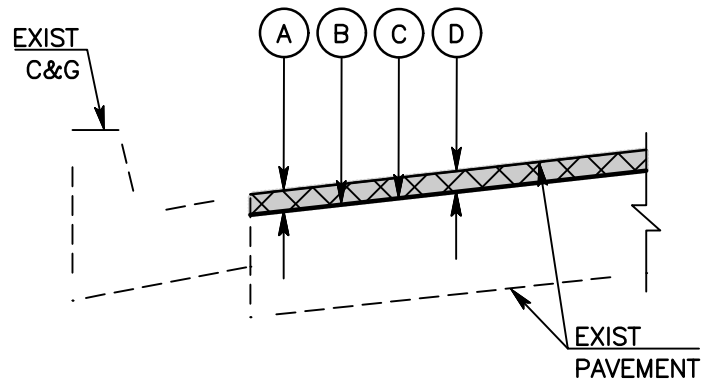
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY: SB/CBB	DRAWN BY: CBB	CHECKED BY: DJ	RECOMMENDED BY: CHRIS NGUYEN, P.E., INTERIM ENGINEERING MANAGER DATE
APPROVED BY: ELOY RUVALCABA, P.E., SUPERVISING ENGINEER DATE			APPROVED BY: MERVAT N. MIKHAIL, P.E., INTERIM DEPUTY DIRECTOR DATE

LINDEN AVE & OTHER ROADS TYPICAL SECTION LINDEN AVENUE AND CEDAR AVENUE RIALTO AREA				
J.L. REF. J.L.11788	W.O. NO. TX1796	PLAN SCALE 1"=10'	SHT. NO. 3	TOT. SHT'S. 12

REPLACE 10" OF AC DIKE
AT END OF FILLMORE AVE



ARBETH STREET: 475', WEST OF FILLMORE AVE EAST TO FILLMORE AVE
BRAMPTON WAY: 317', MESA STREET NORTH TO END
CHESHIRE STREET: 475', 0.09 MILES WEST OF FILLMORE AVE EAST TO FILLMORE ST
FILLMORE AVENUE: 581', CASMALIA ST NORTH TO CHESHIRE ST
FILLMORE AVENUE: 475', MESA ST NORTH TO 0.09 MILES
IDYLLWILD COURT: 317', MESA ST NORTH TO 0.06 MILES
MESA STREET: 898', 0.03 MILES WEST OF IDYLLWILD CT EAST TO CACTUS AVE



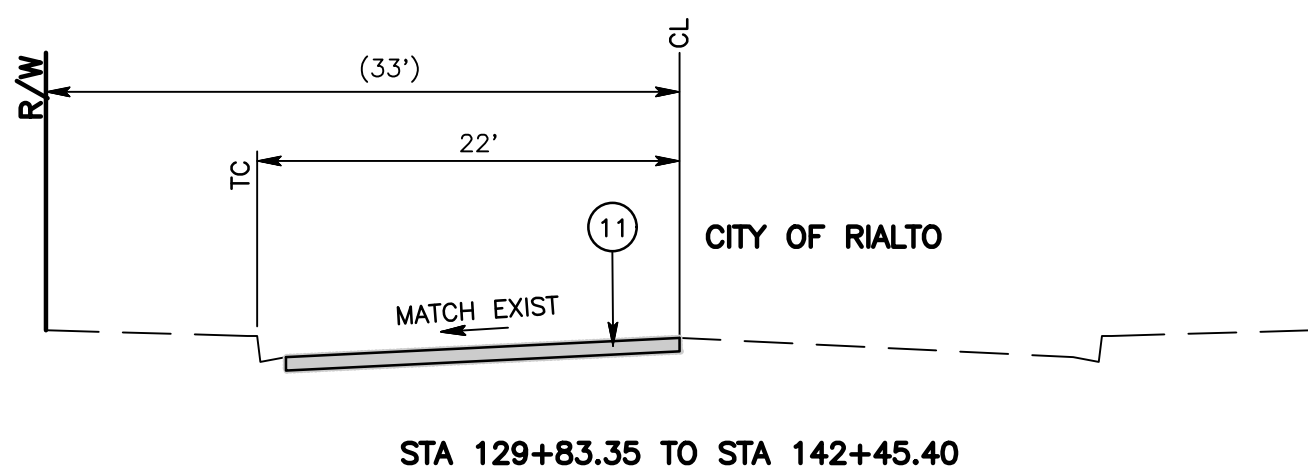
STRUCTURAL SECTION DETAIL
NTS

STRUCTURAL SECTION DETAIL NOTES

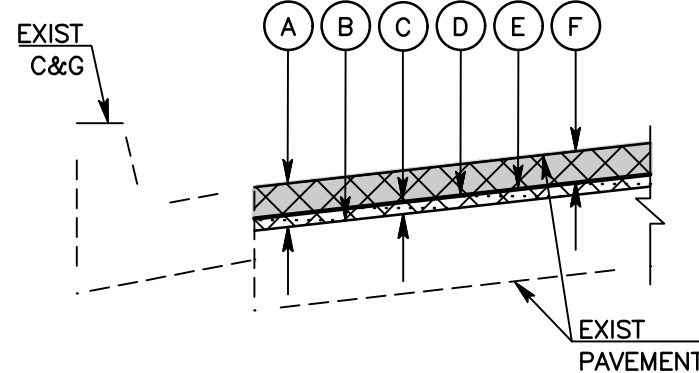
- A MICRO MILL ENTIRE ROAD SURFACE AREA FOR A DEPTH OF 0.02'-0.03' AND WITH A SPEED OF NO MORE THAN 30 FEET PER MINUTE
- B APPLY SCRUB SEAL, 5/16"
- C APPLY TACK COAT
- D APPLY MICRO SURFACING, TYPE II

TYPICAL SECTION VARIOUS ROADS

NTS



STA 129+83.35 TO STA 142+45.40



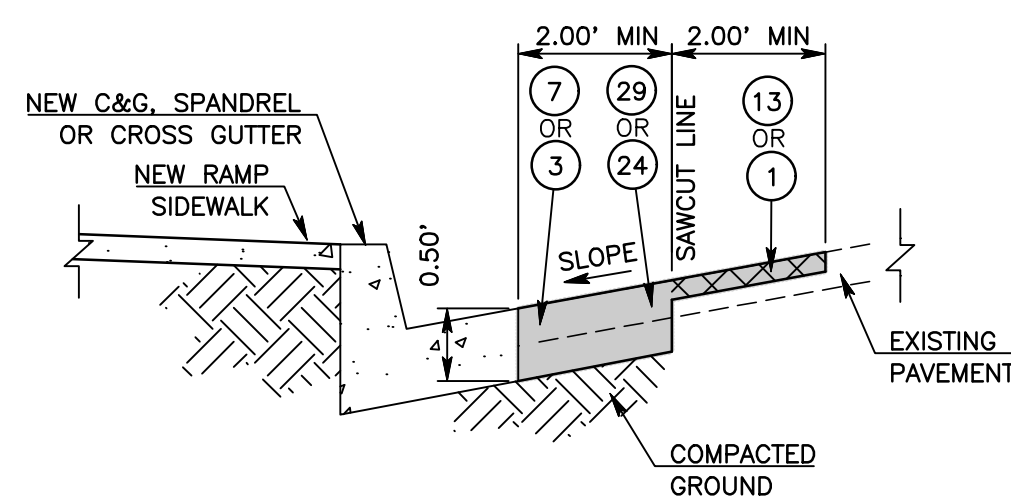
STRUCTURAL SECTION DETAIL
NTS

STRUCTURAL SECTION DETAIL NOTES

- A MILL 0.22' OF EXISTING ASPHALT CONCRETE SURFACING
- B APPLY TACK COAT
- C PLACE 0.06' THK LEVELING TYPE A, 3/8" AGGREGATE GRADATION PG 64-10 HMA
- D APPLY GLAS PAVE 50 PAVING MAT OR EQUAL
- E APPLY TACK COAT
- F PLACE 0.16' THK ASPHALT CONCRETE TYPE G, 1/2" AGGREGATE GRADATION PG 64-16 RHMA

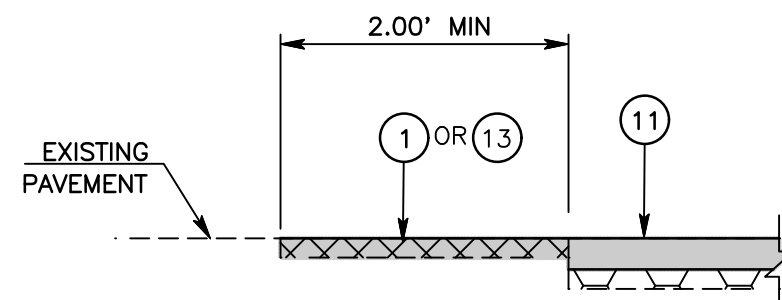
TYPICAL SECTION CASMALIA STREET

NTS



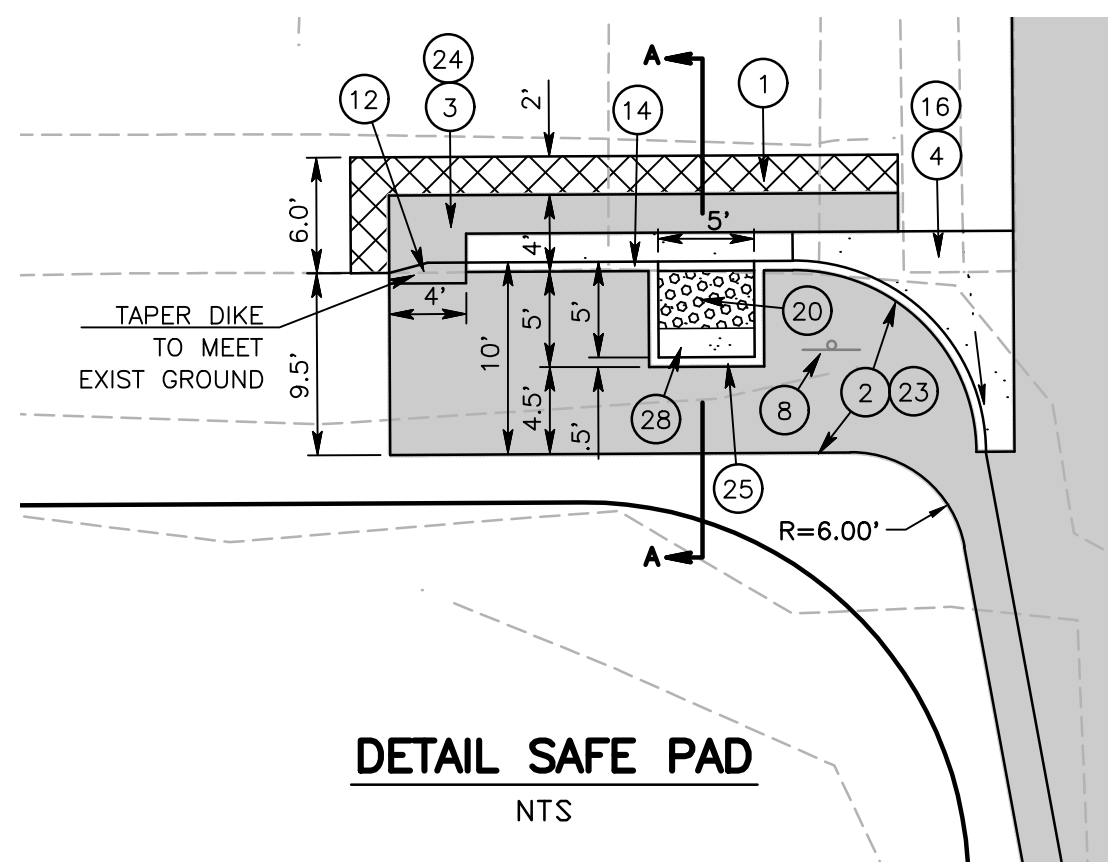
DETAIL SAWCUT

NTS



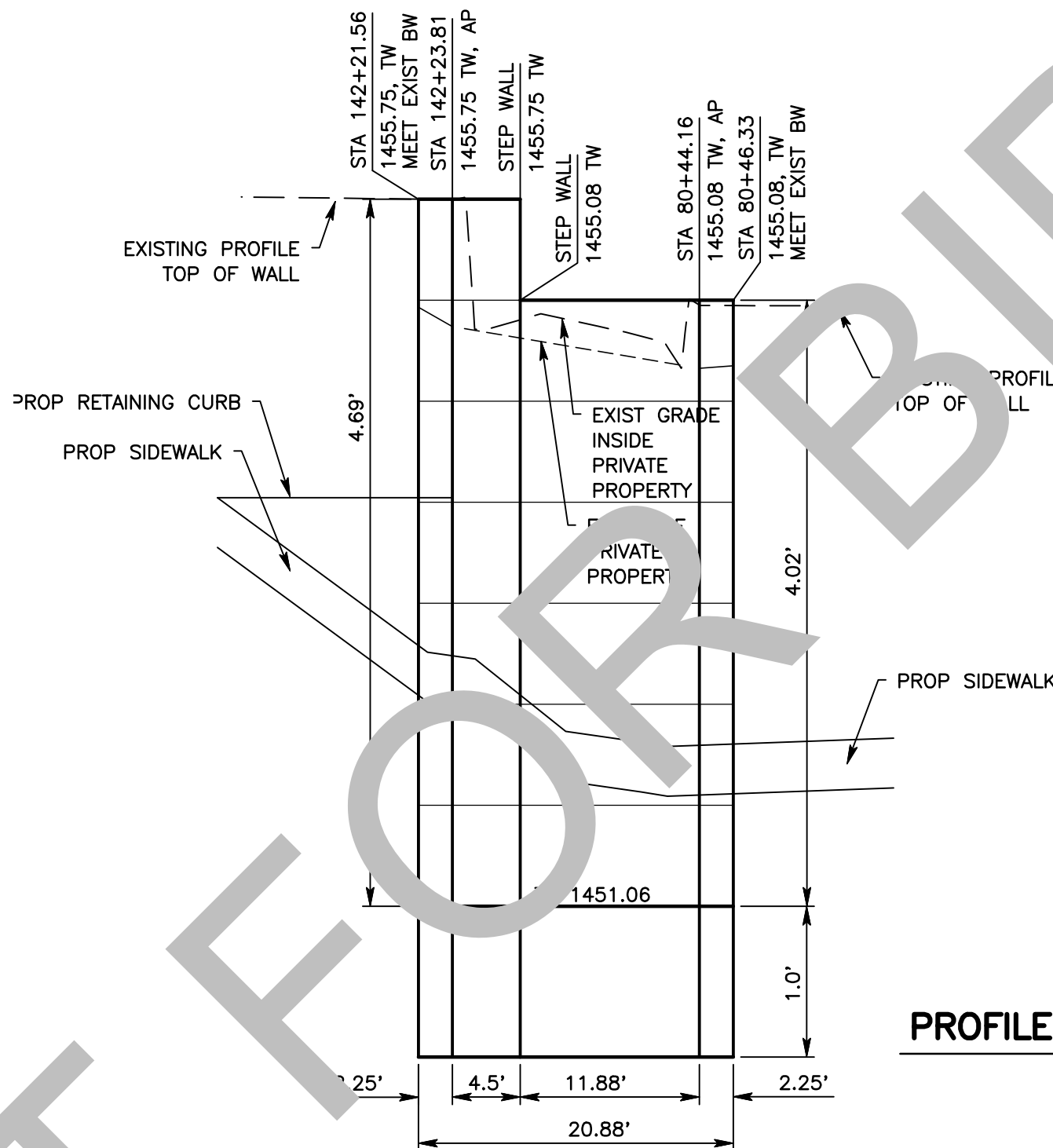
DETAIL AC FEATHER

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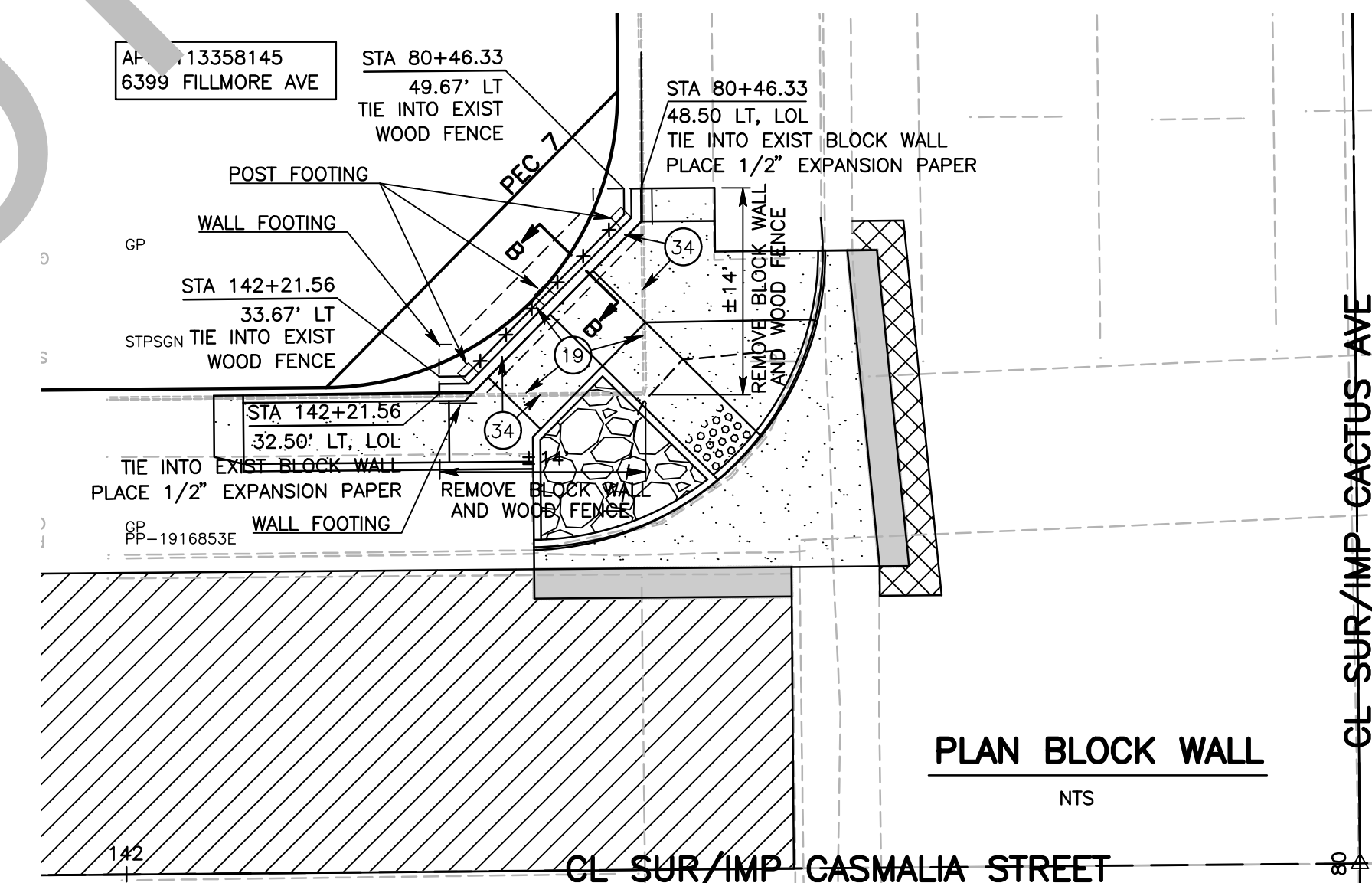
DETAIL SAFE PAD

NTS



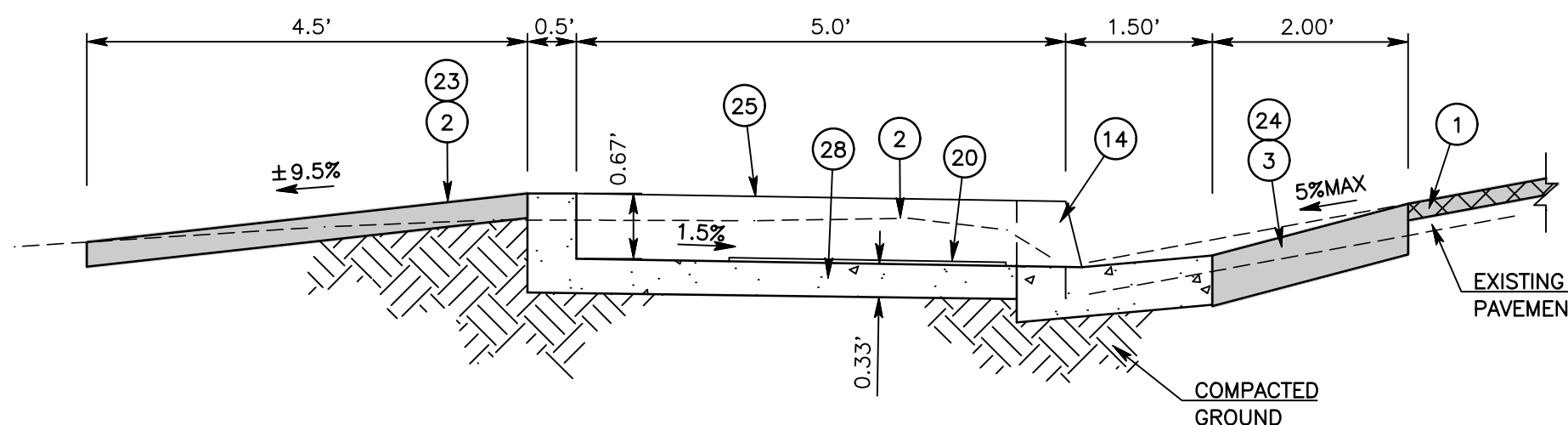
PROFILE BLOCK WALL

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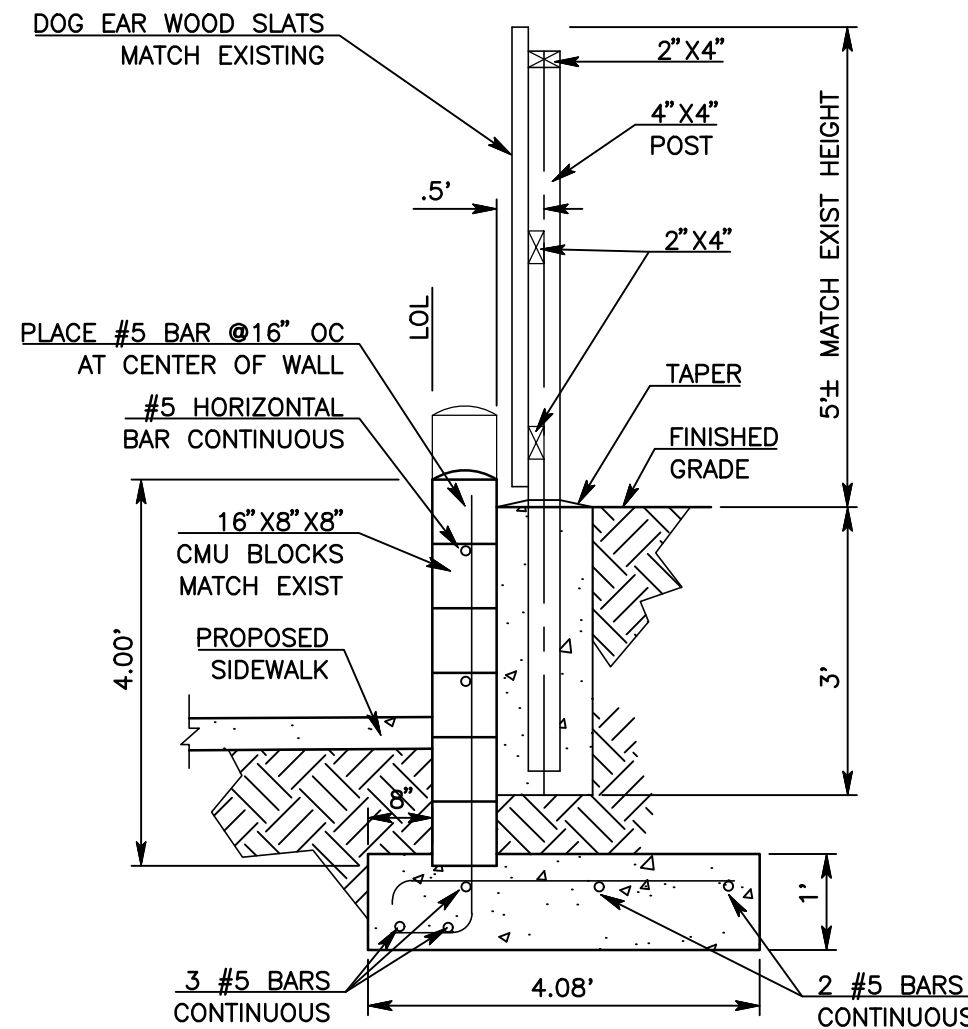
PLAN BLOCK WALL

NTS



SECTION A-A SAFE PAD

NTS



SECTION B-B BLOCK WALL

NTS

CONSTRUCTION NOTES:

- 1 COLD PLANE 0.20' THK (2' WIDE MIN) AND PLACE 0.20' THK ASPHALT CONCRETE, TYPE A, HMA
- 2 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING
- 3 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING TO A DEPTH OF 0.50'
- 4 SAWCUT AND REMOVE EXISTING CONCRETE SURFACING, RAMP, SIDEWALK, DRIVEWAY, CROSS GUTTER AND SPANDREL
- 7 SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING TO A DEPTH OF 0.67'
- 8 REMOVE AND/OR RELOCATE TRAFFIC SIGN PER TRAFFIC PLANS AND SPECIAL PROVISIONS
- 11 PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON THIS SHEET
- 12 PLACE ASPHALT CONCRETE DIKE PER COUNTY STD DWG 117 (MODIFIED)
- 13 COLD PLANE 0.16' THK (2' WIDE MIN) AND PLACE 0.16' THK ASPHALT CONCRETE, TYPE G, RHMA
- 14 CONSTRUCT 8" CURB AND GUTTER PER COUNTY STD DWG 115 (MODIFIED)
- 16 CONSTRUCT SPANDREL PER COUNTY STD DWG 119 (MODIFIED)
- 19 REMOVE AND REPLACE 6' WOOD FENCE IN KIND AS SHOWN ON THIS PLAN
- 20 PLACE DETECTABLE WARNING SURFACE PER CALTRANS STD AB8A
- 23 PLACE (0.25' THICK) ASPHALT CONCRETE (TYPE A) HMA OVER COMPACTED NATIVE SOIL
- 24 PLACE (0.50' THICK) ASPHALT CONCRETE (TYPE A) HMA OVER COMPACTED NATIVE SOIL
- 25 INSTALL 8" RETAINING CURB PER CALTRANS STD AB8A
- 28 PLACE (0.33' THICK) CONCRETE
- 29 PLACE (0.16' THICK) ASPHALT CONCRETE (TYPE G) RHMA OVER (0.51' THICK) ASPHALT CONCRETE (TYPE A) HMA
- 34 REMOVE AND REPLACE 3' HIGH BLOCK WALL IN KIND AND AS SHOWN ON PLAN AND PROFILE BLOCK WALL ON THIS SHEET AND PER CALTRANS STD B3-7B AND B3-7C, SEE SPECIAL PROVISIONS

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES			



SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY: SB/CBB	DRAWN BY: CBB	CHECKED BY: DJ	RECOMMENDED BY: CHRIS NGUYEN, P.E. INTERIM ENGINEERING MANAGER
APPROVED BY: ELOY RUVALCABA, P.E. SUPERVISING ENGINEER		DATE	

LINDEN AVE & OTHER ROADS TYPICAL SECTION CEDAR AVENUE, VARIOUS OTHER ROADS AND MISCELLANEOUS DETAILS RIALTO AREA				
J.L. REF. J.L.11788	W.O. NO. TX1796	PLAN SCALE NO SCALE	SHT. NO. 4	TOT. SHT'S. 12

[illegible]

SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	RECOMMENDED BY:
SB/CBB	CBB	DJ	CHRIS NUYEN, P.E. INTERIM ENGINEERING MANAGER
ELOY RUVALCABA, P.E. SUPERVISING ENGINEER			APPROVED BY: MERVAT N. MIKHAIL, P.E. INTERIM DEPUTY DIRECTOR
DATE			DATE

LINDEN AVE & OTHER ROADS

PLAN AND PROFILE LINDEN AVE

RIALTO AREA

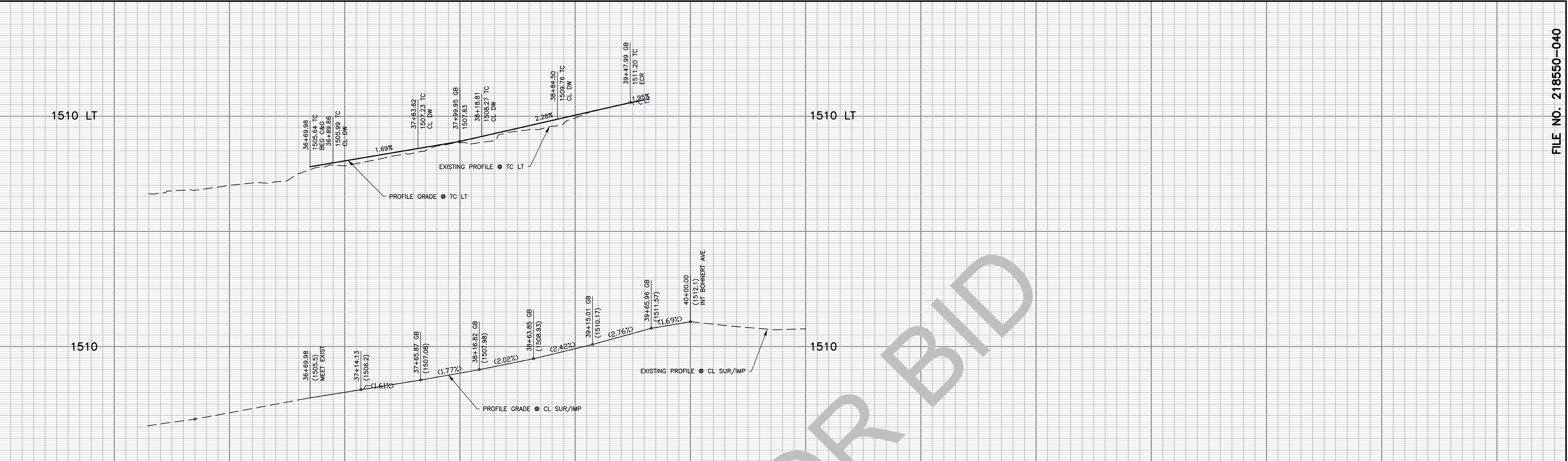
STA 20+00.00 TO STA 28+30.00

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L. 11788	TX1796	1" = 40'	5	12

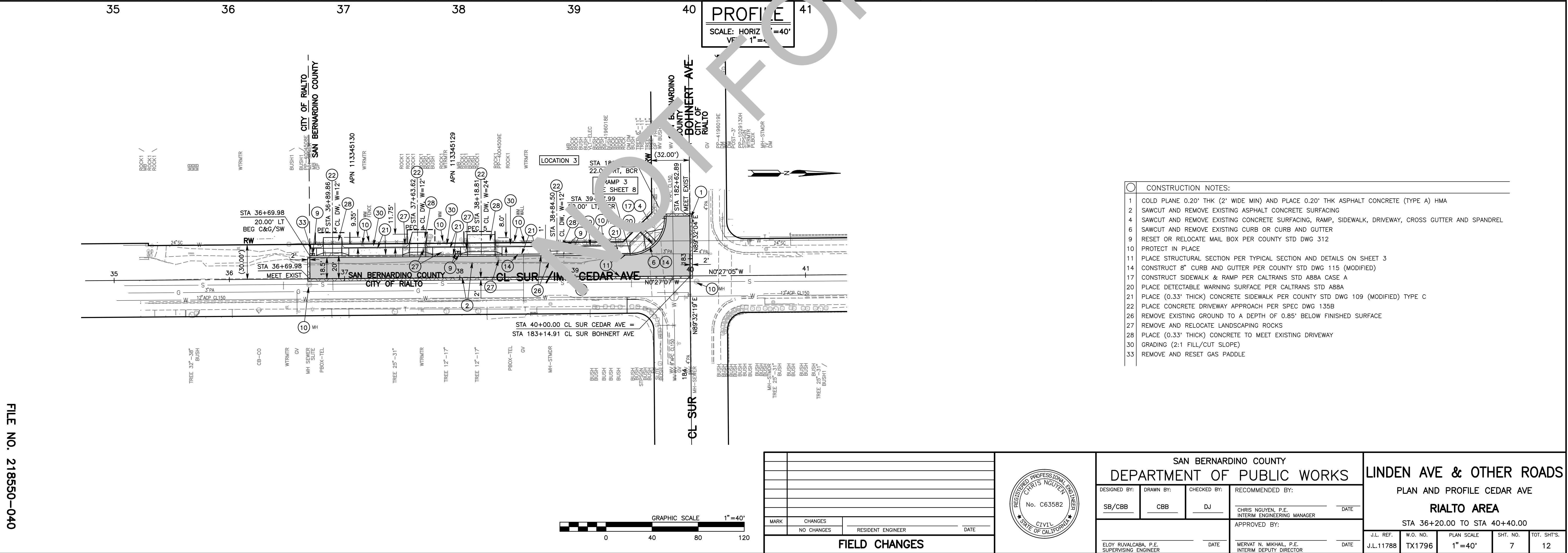


- GRAPHIC SCALE 1"=40'
- 
- A horizontal graphic scale bar with alternating black and white segments. Below the bar are numerical markings at 0, 40, 80, and 120. The text "GRAPHIC SCALE" is centered above the bar, and "1"=40'" is at the right end.

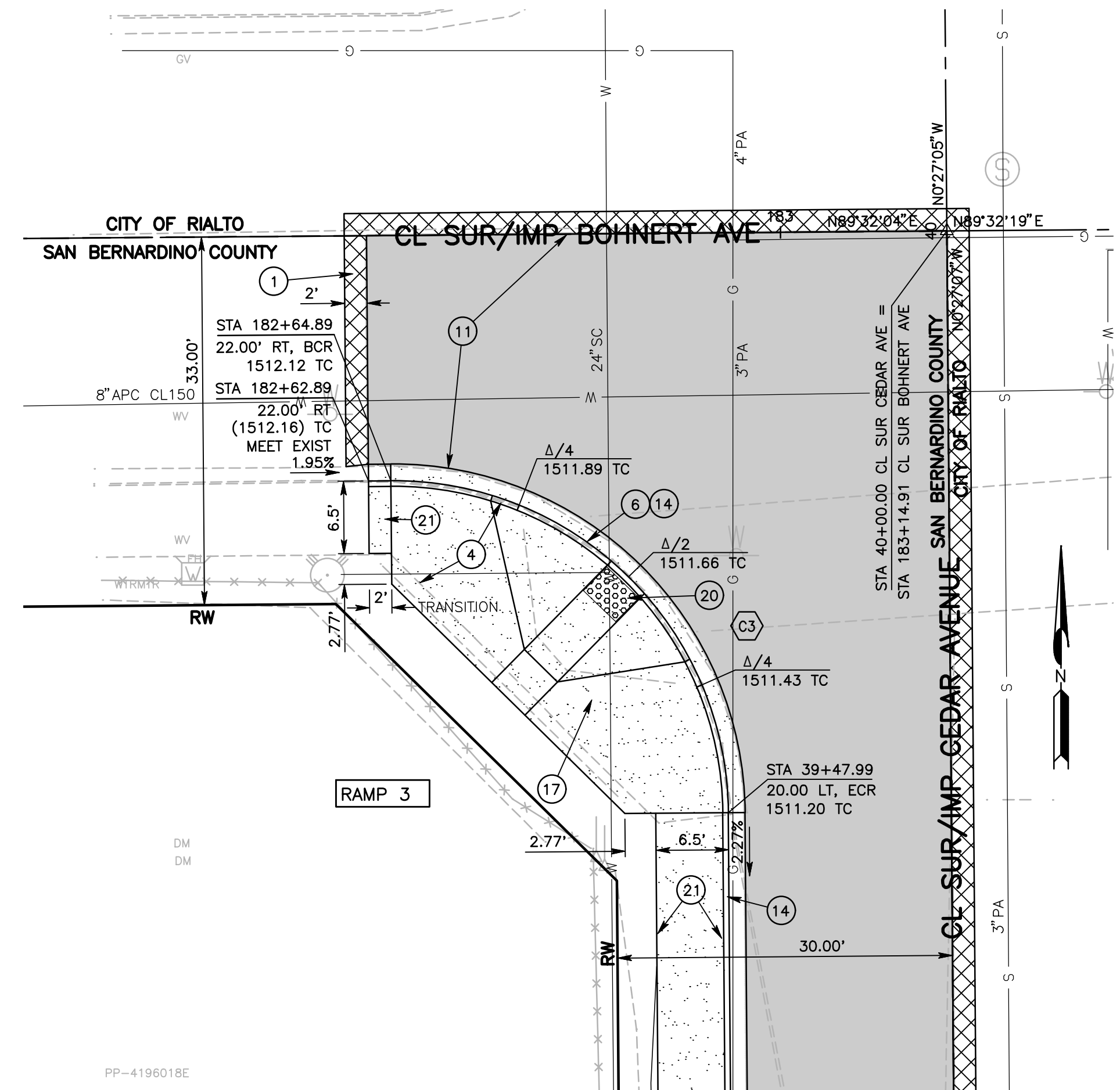
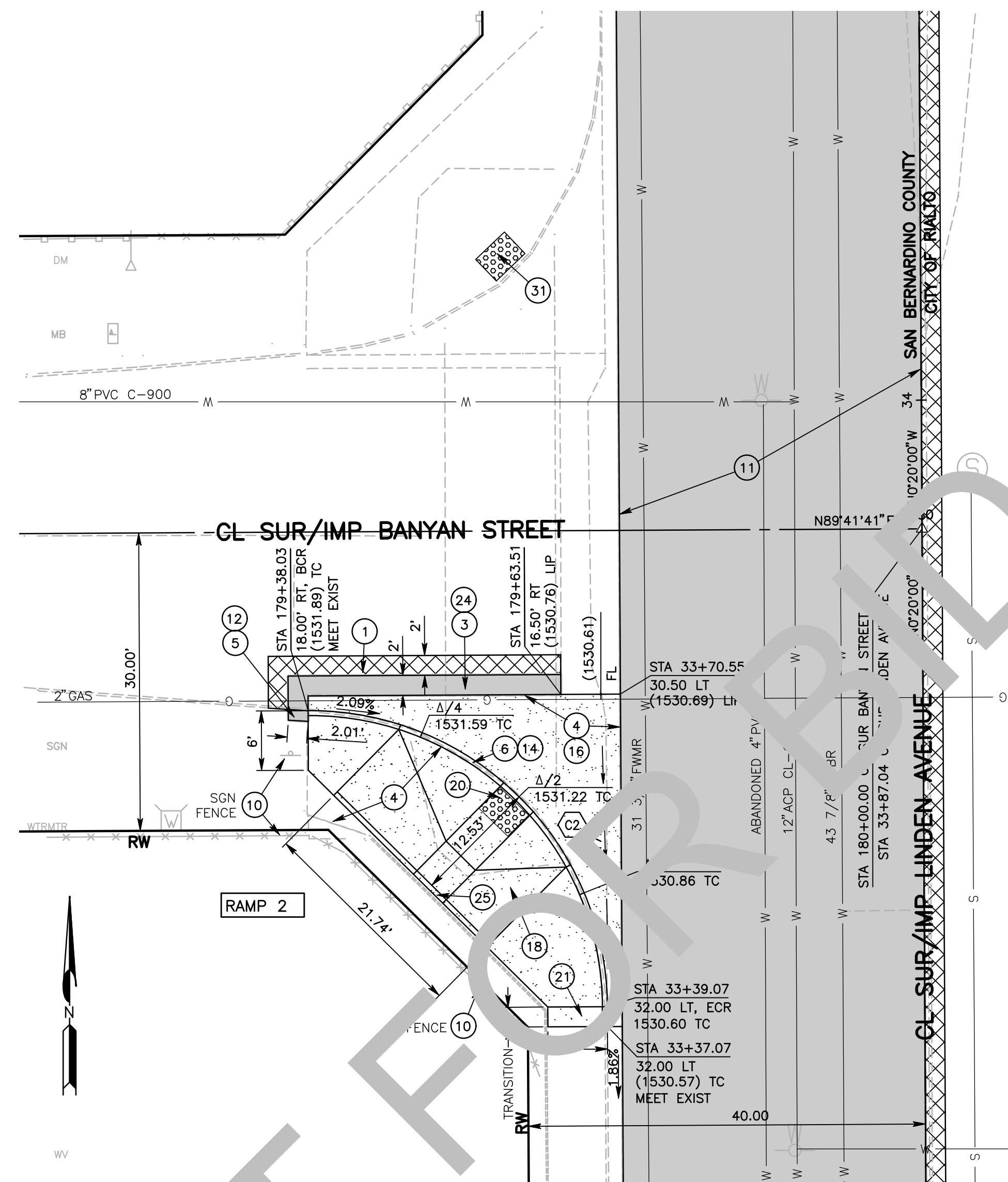
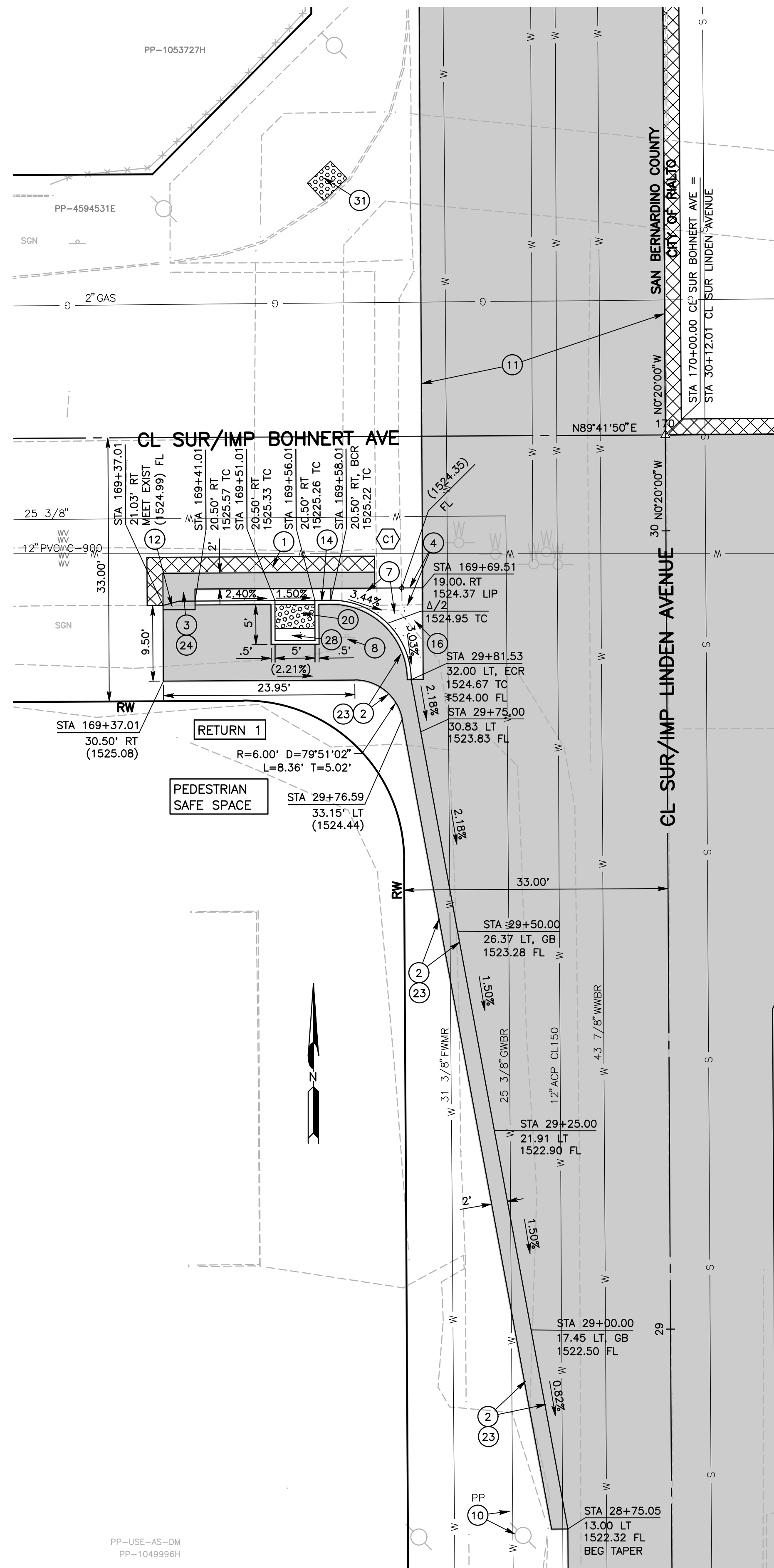
[illegible]



FILE NO. 218550-040

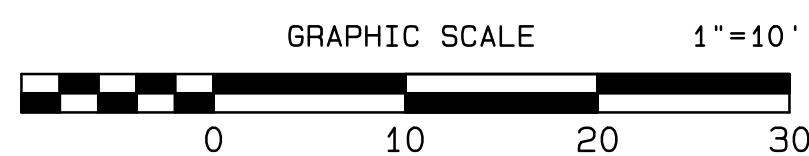


FILE NO. 218550-040



NO.	CONSTRUCTION NOTES:
1	COLD PLANE 0.20' THK (2' WIDE MIN) AND PLACE 0.20' THK ASPHALT CONCRETE (TYPE A) HMA
2	SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING
3	SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING TO A DEPTH OF 0.50'
4	SAWCUT AND REMOVE EXISTING CONCRETE SURFACING, RAMP, SIDEWALK, DRIVEWAY, CROSS GUTTER AND SPANDREL
5	SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE DIKE
6	SAWCUT AND REMOVE EXISTING CURB OR CURB AND GUTTER
7	SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACING TO A DEPTH OF 0.67'
8	REMOVE AND/OR RELOCATE TRAFFIC SIGN PER TRAFFIC PLANS AND SPECIAL PROVISIONS
10	PROTECT IN PLACE
11	PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 3
12	PLACE ASPHALT CONCRETE DIKE PER COUNTY STD DWG 117 (MODIFIED)
14	CONSTRUCT 8" CURB AND GUTTER PER COUNTY STD DWG 115 (MODIFIED)
15	CONSTRUCT CROSS GUTTER PER COUNTY STD DWG 119 (MODIFIED)
16	CONSTRUCT SPANDREL PER COUNTY STD DWG 119 (MODIFIED)
17	CONSTRUCT SIDEWALK & RAMP PER CALTRANS STD AB8A CASE A
18	CONSTRUCT SIDEWALK & RAMP PER CALTRANS STD AB8A CASE B
20	PLACE DETECTABLE WARNING SURFACE PER CALTRANS STD AB8A
21	PLACE (0.33' THICK) CONCRETE SIDEWALK PER COUNTY STD DWG 109 (MODIFIED)
23	PLACE (0.25' THICK) ASPHALT CONCRETE (TYPE A) HMA OVER COMPACTED NATIVE SOIL
24	PLACE (0.50' THICK) ASPHALT CONCRETE (TYPE A) HMA OVER COMPACTED NATIVE SOIL
25	INSTALL 6" RETAINING CURB PER CALTRANS STD AB8A
28	PLACE (0.33' THICK) CONCRETE
31	PAINT DETECTABLE WARNING SURFACE (BY OTHERS)

CURVE TABLE				
NO.	RADIUS	DELTA	LENGTH	TANGENT
C1	100.00'	089°58'05"	15.70'	9.99'
C2	100.00'	089°58'19"	47.11'	29.99'
C3	30.00'	090°00'50"	47.13'	30.01'



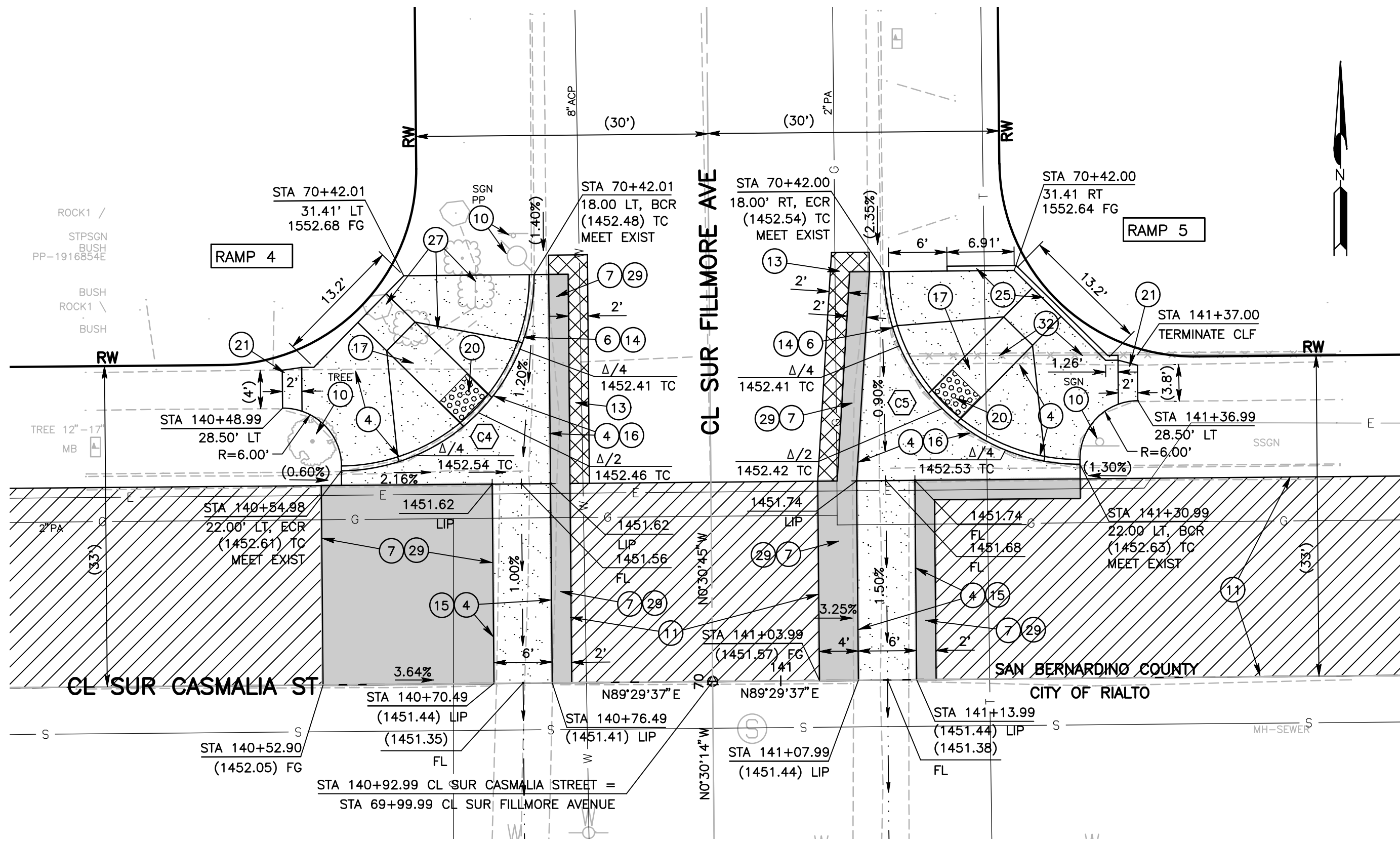
MARK	CHANGES	RESIDENT ENGINEER _____ DATE ____/____/____
	NO CHANGES	

FIELD CHANGES



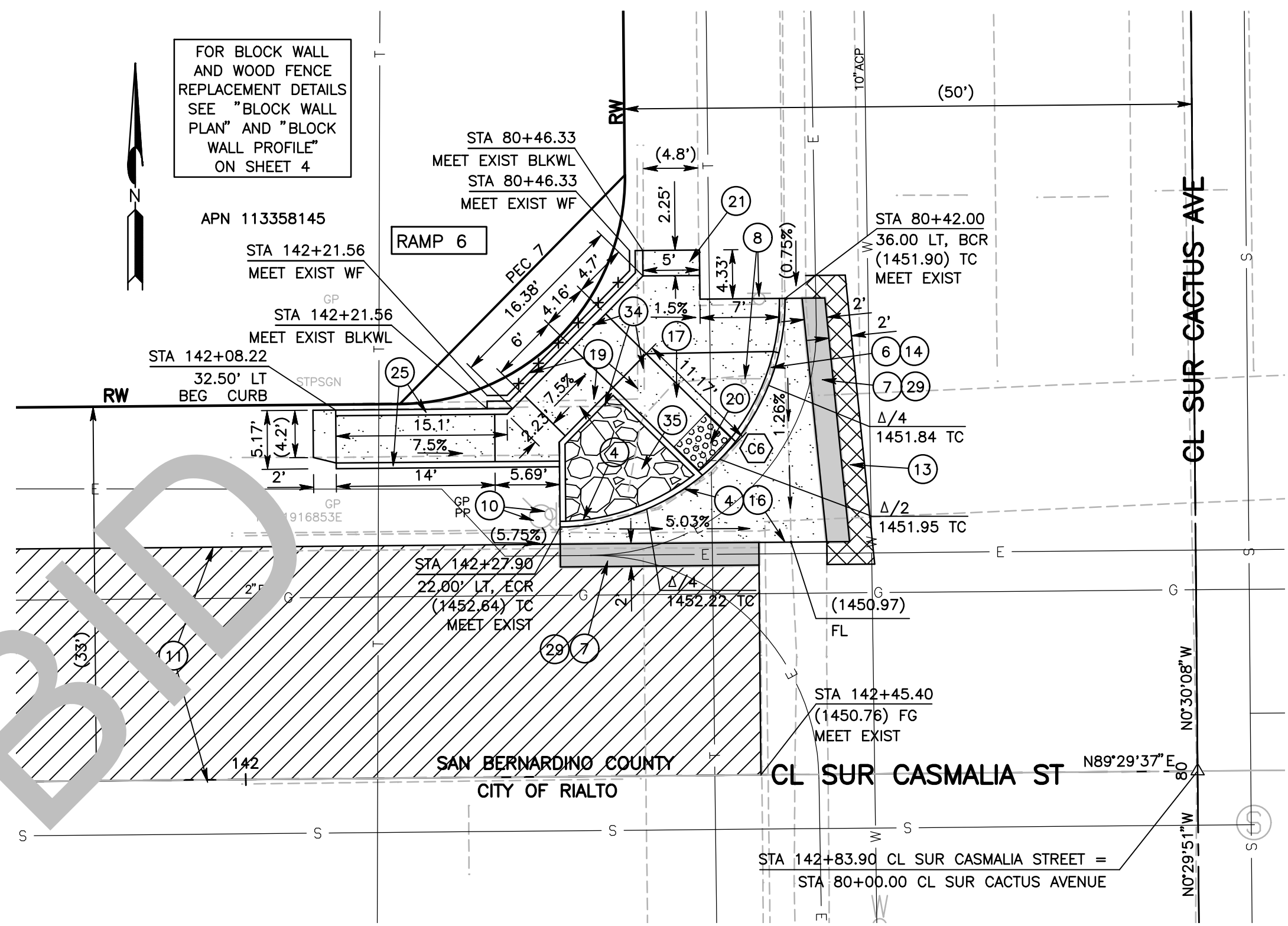
SAN BERNARDINO COUNTY			
DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	RECOMMENDED BY:
<u>SB/CBB</u>	<u>CBB</u>	<u>DJ</u>	<u>CHRIS NGUYEN, P.E.</u> <u>DATE</u>
			<u>INTERIM ENGINEERING MANAGER</u>
			APPROVED BY:
<u>ELOY RUVALCABA, P.E.</u>	<u>DATE</u>	<u>MERVAT N. MIKHAIL, P.E.</u>	<u>DATE</u>
<u>USE/ISSUING: PAWNETER</u>		<u>INTERIM DEPUTY DIRECTOR</u>	

LINDEN AVE & OTHER ROADS				
PLAN RETURN/RAMPS 1 THROUGH 3				
RIALTO AREA				
J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L.11788	TX1796	1"=10'	8	12



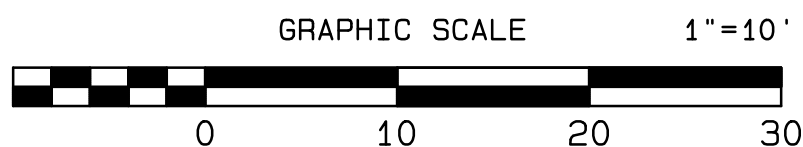
LOCATION 4

CURVE TABLE				
NO.	RADIUS	DELTA	LENGTH	TANGENT
C4	20.00'	090°00'22"	31.42'	20.00'
C5	20.00'	089°59'38"	31.41'	20.00'
C6	20.00'	089°59'45"	31.41'	20.00'



LOCATION 5

- CONSTRUCTION NOTES:
- SAWCUT AND REMOVE EXISTING CONCRETE SURFACING, RAMP, SIDEWALK, DRIVEWAY, CROSS GUTTER AND SPANDREL
 - SAWCUT AND REMOVE EXISTING CURB OR CURB AND GUTTER
 - SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE SURFACE TO A DEPTH OF 0.67"
 - REMOVE AND/OR RELOCATE TRAFFIC SIGN PER TRAFFIC PLANS AND SPECIAL PROVISIONS
 - PROTECT IN PLACE
 - PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 4
 - COLD PLANE 0.16" THK (2" WIDE MIN) AND PLACE 0.16" THK ASPHALT CONCRETE (TYPE G), RHMA
 - CONSTRUCT 8" CURB AND GUTTER PER COUNTY STD DWG 115 (MODIFIED)
 - CONSTRUCT CROSS GUTTER PER COUNTY STD DWG 119 (MODIFIED)
 - CONSTRUCT SPANDREL PER COUNTY STD DWG 119 (MODIFIED)
 - CONSTRUCT SIDEWALK & RAMP PER CALTRANS STD AB8A CASE A
 - REMOVE AND REPLACE 6" WOOD FENCE IN KIND AS SHOWN ON PLAN
 - PLACE DETECTABLE WARNING SURFACE PER CALTRANS STD AB8A
 - PLACE (0.33" THICK) CONCRETE SIDEWALK PER COUNTY STD DWG 109 (MODIFIED)
 - INSTALL 8" RETAINING CURB PER CALTRANS STD AB8A
 - REMOVE AND RELOCATE LANDSCAPING ROCKS
 - PLACE (0.16" THICK) ASPHALT CONCRETE (TYPE G) RHMA OVER (0.51" THICK) ASPHALT CONCRETE (TYPE A) HMA
 - REMOVE CHAIN LINK FENCE
 - REMOVE AND REPLACE 3' HIGH BLOCK WALL IN KIND, AS SHOWN ON PLAN, PROFILE AND DETAIL SHOWN ON SHEET 4 AND PER 2015 CALTRANS STANDARD B3-7B AND B3-7C, SEE SPECIAL PROVISIONS
 - PLACE GROUTED ROCK TREATMENT PER SPECIAL DRAWING 112



MARK		CHANGES	RESIDENT ENGINEER	DATE
FIELD CHANGES				

DESIGNED BY: SB/CBB
DRAWN BY: CBB
CHECKED BY: DJ
RECOMMENDED BY: CHRIS NGUYEN, P.E., INTERIM ENGINEERING MANAGER
APPROVED BY: ELOY RUVALCABA, P.E., SUPERVISING ENGINEER
DATE: _____
DATE: _____

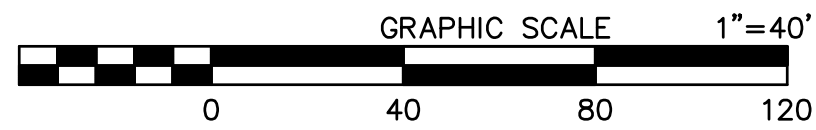
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS					LINDEN AVE & OTHER ROADS PLAN RAMP 4 THROUGH 6 RIALTO AREA				
J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.					
J.L.11788	TX1796	1"=10'	9	12					

MARK	REVISIONS	APPR.	DATE

357300 010
376450 030
392800 040



- 51) PAINT 12-INCH SOLID WHITE LIMIT LINE PER CALTRANS 2018 STANDARD PLAN A24E
- 52) PAINT PAVEMENT MARKING PER CALTRANS 2018 STANDARD PLAN A24D
AS SHOWN ON PLAN
- 53) PAINT DOUBLE YELLOW STRIPE PER CALTRANS 2018 STANDARD PLAN A20A, DETAIL 22
- 54) PAINT 6-INCH DASHED YELLOW CENTERLINE STRIPE PER CALTRANS 2018 STANDARD PLAN A20A, DETAIL 2
- 55) PAINT 6-INCH WHITE EDGE LINE STRIPE PER CALTRANS 2018 STANDARD PLAN A20B, DETAIL 27B
- 56) PAINT "35" PAVEMENT MARKING PER CALTRANS 2015 STANDARD PLAN A24C
- 57) ALL EXISTING SIGNS, OBJECT MARKER, AND PAVEMENT MARKING TO BE PROTECTED
IN PLACE UNLESS OTHERWISE SPECIFIED.
- 58) INSTALL NEW OBJECT MARKER(S), TYPE L-1(CA)(0M2-2V) AS SHOWN ON PLAN AND PER THE CALIFORNIA MUTCD 2014, FIGURE 2C-13(CA)
- 59) PAINT 12-INCH SOLID YELLOW CROSSWALK (BASIC) PER CALTRANS 2018 STANDARD PLAN A24F
- 63) PAINT DOUBLE YELLOW MEDIAN STRIPE PER CALTRANS 2018 STANDARD PLAN A20B, DETAIL 29
- 64) RESET OR RELOCATE SIGN(S) AS SHOWN ON PLAN PER THE CALIFORNIA MUTCD 2014, FIGURE 2A-2(CA) AND COUNTY STANDARD 303g AND 303b

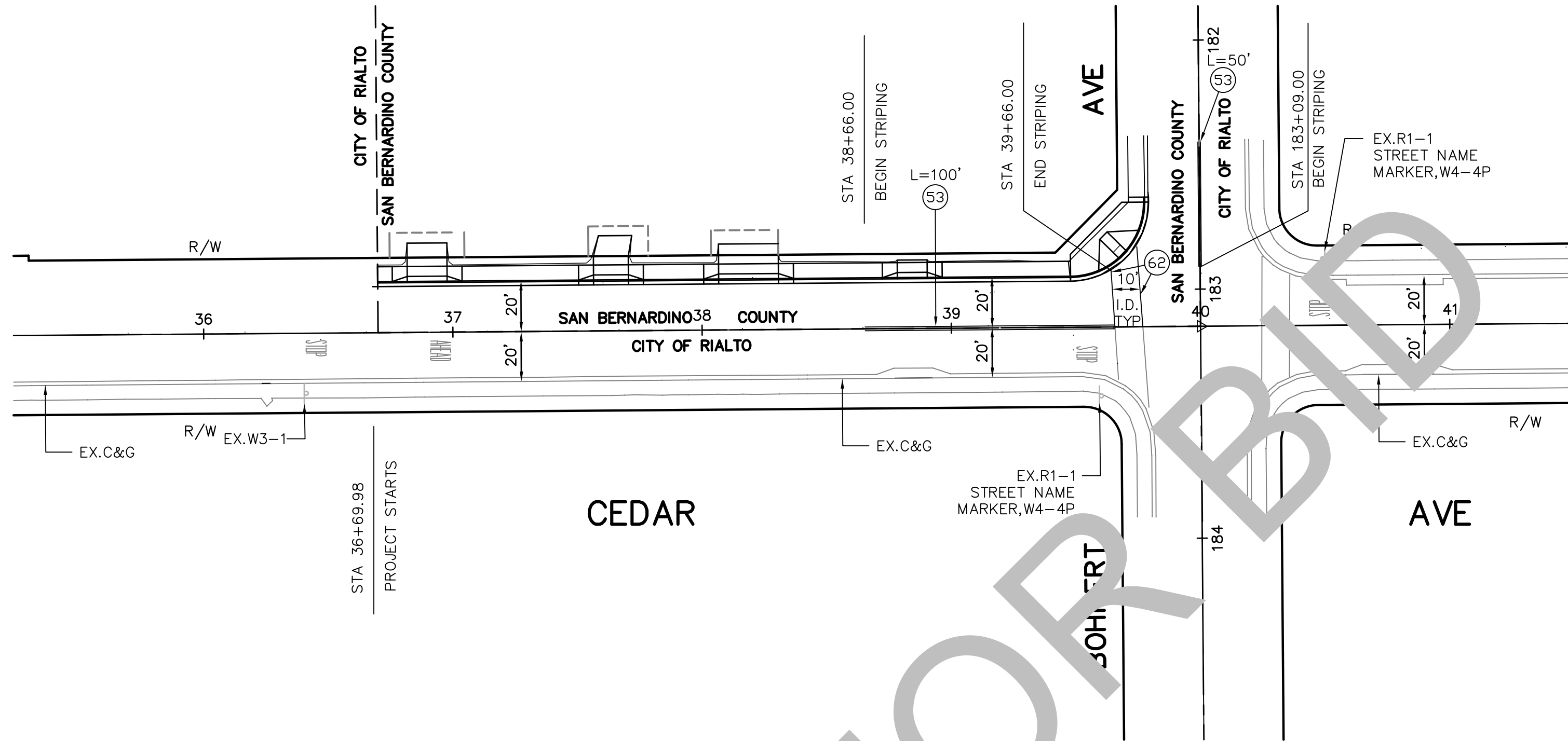
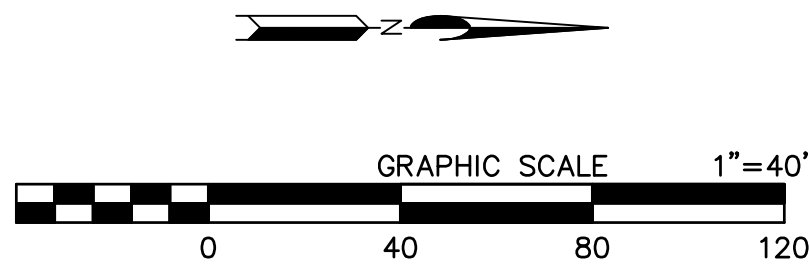


REFER TO SHEET 12
FOR TRAFFIC CONTROL
GENERAL NOTES

[illegible]

MARK	REVISIONS	APPR.	DATE

FILE NO. 357300 010



TRAFFIC SIGNING AND STRIPING NOTES:

- (62) PAINT 12-INCH SOLID WHITE CROSSWALK (BASIC) PER CALTRANS 2015 STANDARD PLAN A24F

SAN BERNARDINO COUNTY TRAFFIC CONTROL GENERAL NOTES :

- 2- ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- 2- ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED IN CONFORMANCE WITH THE 2018 CALTRANS STANDARD PLANS DATED OCTOBER 30, 2018.
- 3- ALL STRIPING (LONG LINE) AND PAVEMENT MARKINGS SHALL BE RETRO-REFLECTIVE PAINT.
- 4- ALL SIGNS SHALL BE OF HIGH INTENSITY (FHWA TYPE III/IV) RETRO-REFLECTIVE SHEETING EXCEPT:
 - A. "STOP" SIGNS SHALL BE DIAMOND GRADE (FHWA TYPE VII IN RURAL SETTINGS AND TYPE IX IN URBAN SETTINGS) RETRO-REFLECTIVE SHEETING.
 - B. "NO PARKING " SIGNS SHALL BE OF SUPER ENGINEERING GRADE (FHWA TYPE II) RETRO-REFLECTIVE SHEETING.
 - C. SCHOOL SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT YELLOW-GREEN (FYG) RETRO-REFLECTIVE SHEETING.
 - D. STREET NAME MARKERS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) RETRO-REFLECTIVE SHEETING AND CONFORM TO COUNTY STANDARD 303.
 - E. CONSTRUCTION SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT ORANGE RETRO-REFLECTIVE SHEETING.
- 5- ALL DELINEATORS, CHANNELIZERS, AND OBJECT MARKERS SHALL BE OF (FHWA TYPE VII) RETRO-REFLECTIVE SHEETING.
- 6- SIGNS SHALL BE MOUNTED ON METAL POSTS SIMILAR TO COUNTY STANDARDS 303(a) AND 303(b).
- 7- ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON PLANS SHALL BE REMOVED BY THE CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY SANDBLASTING, GRINDING, OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- 8- ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED, OR COVERED BY THE CONTRACTOR. RELOCATABLE SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- 9- ALL UNPROTECTED LOCATIONS RESULTING IN ISOLATED ABRUPT DEPRESSIONS OR ELEVATED OBJECTS (i.e. CATCH BASINS, HEADWALLS, POWER POLES, END TREATMENT OF ASPHALT DIKES AND CONCRETE CURBS) SHALL BE PROTECTED BY DELINEATORS OR BARRIERS PER THE CALIFORNIA MUTCD LATEST EDITION.
- 10- ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS (i.e. CROSS STREET STOP, STOP LIMIT LINE, AND CROSSWALK PAVEMENT MARKINGS) NOT SHOWN ON PLANS, IF REMOVED/OBLITERATED, SHALL BE REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- 11- THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.
- 12- TRAFFIC SIGNS NOT IDENTIFIED TO BE RELOCATED/REMOVED SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE DIRECTED BY THE COUNTY RESIDENT ENGINEER.

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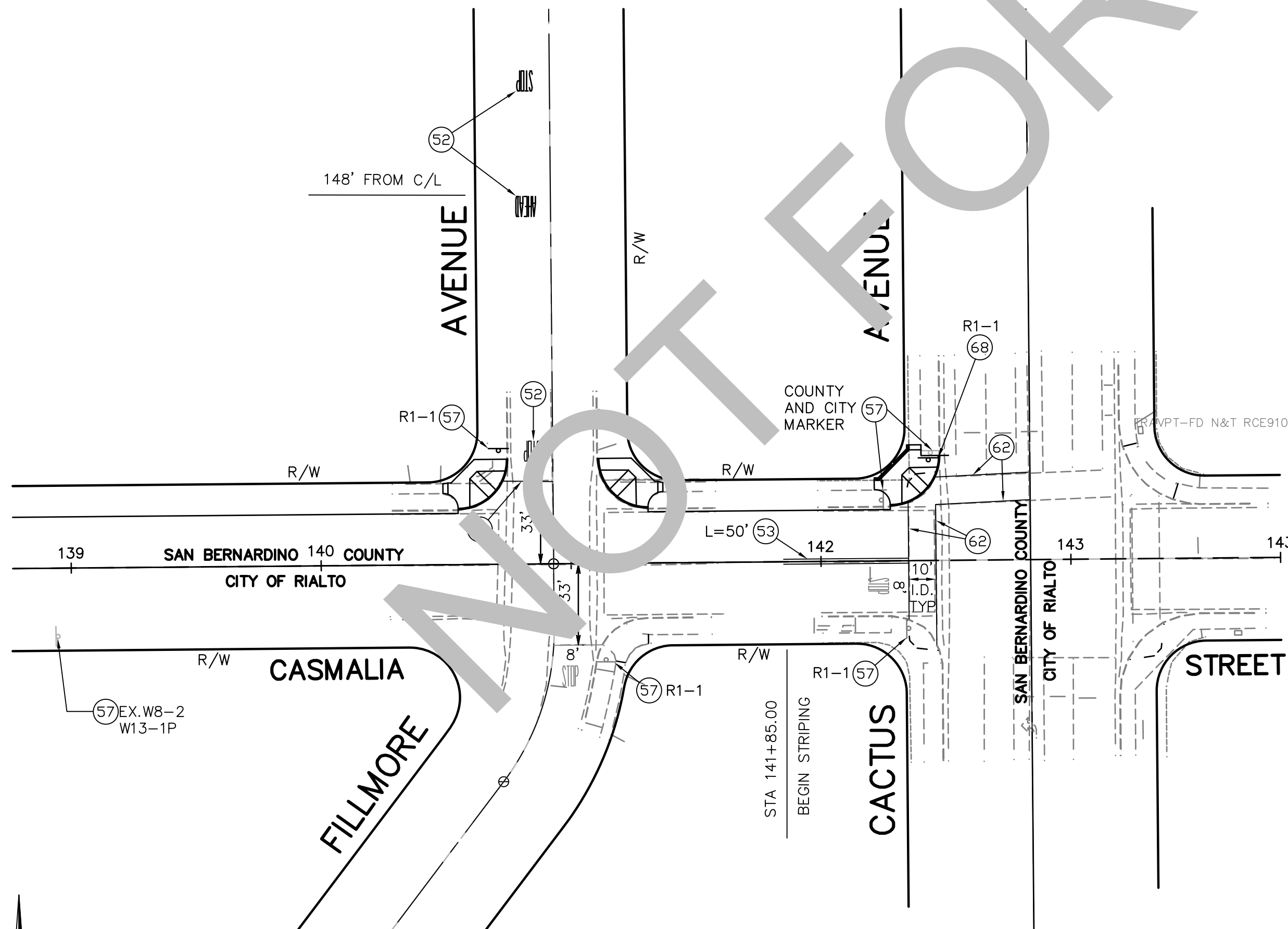
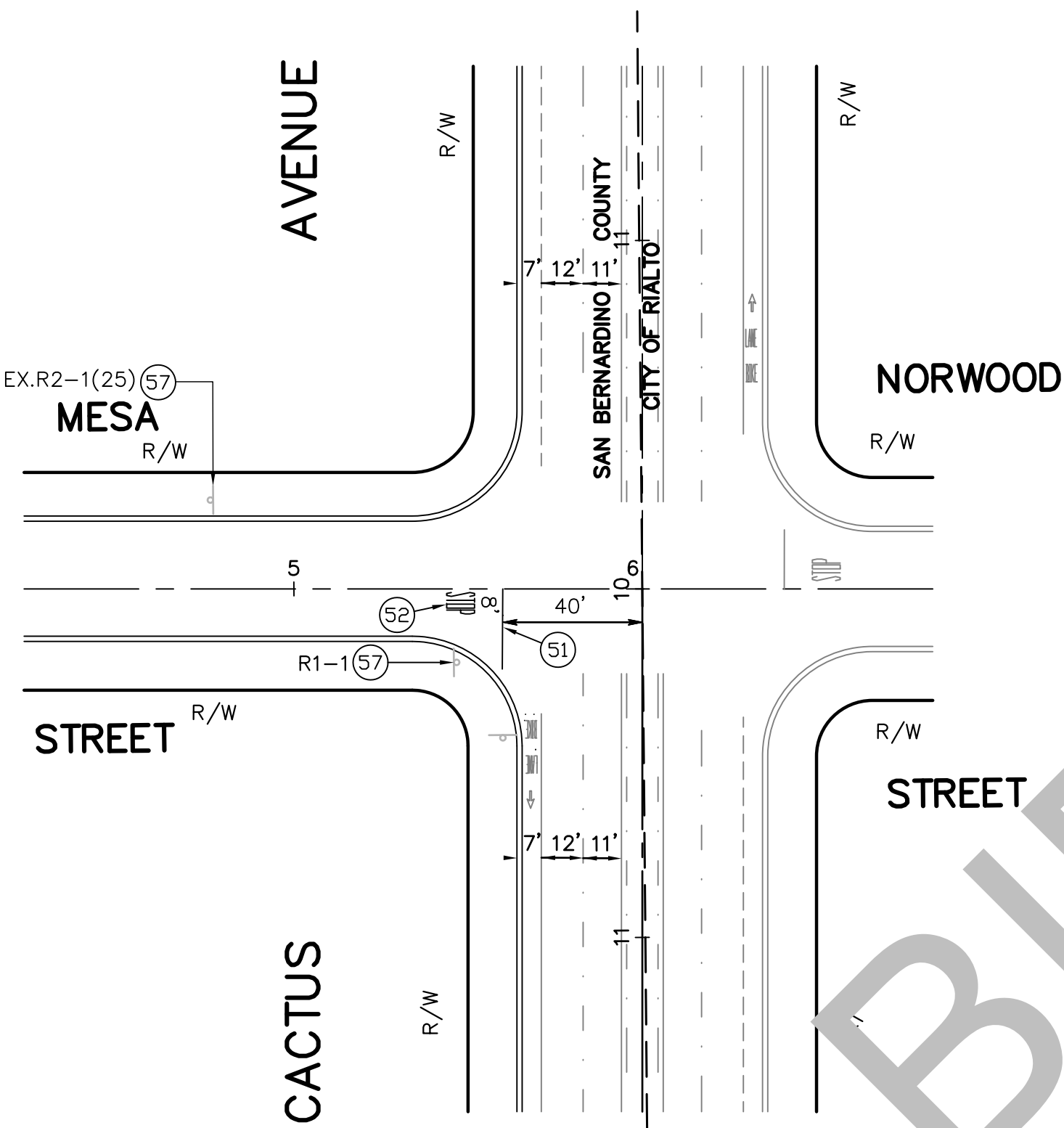
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MARK	REVISIONS	APPR.	DATE

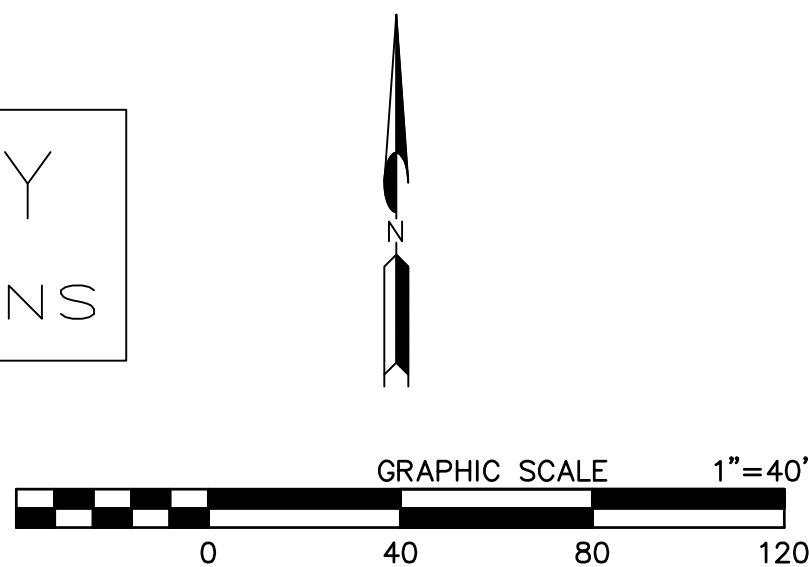
FILE NO. 357300 010

TRAFFIC SIGNING AND STRIPING NOTES:

- (51) PAINT 12-INCH SOLID WHITE LIMIT LINE PER CALTRANS 2018 STANDARD PLAN A24E
- (52) PAINT PAVEMENT MARKING PER CALTRANS 2018 STANDARD PLAN A24D
AS SHOWN ON PLAN
- (53) PAINT DOUBLE YELLOW STRIPE PER CALTRANS 2018 STANDARD PLAN A20A, DETAIL 22
- (57) ALL EXISTING SIGNS, OBJECT MARKER, AND PAVEMENT MARKING TO BE PROTECTED
IN PLACE UNLESS OTHERWISE SPECIFIED.
- (62) PAINT 12-INCH SOLID WHITE CROSSWALK (BASIC) PER CALTRANS 2015 STANDARD PLAN A24F



95% PRELIMINARY
SUBJECT TO REVISIONS



- SAN BERNARDINO COUNTY TRAFFIC CONTROL GENERAL NOTES :

- 1- ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- 2- ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED IN CONFORMANCE WITH THE 2018 CALTRANS STANDARD PLANS DATED OCTOBER 30, 2018.
- 3- ALL STRIPING (LONG LINE) AND PAVEMENT MARKINGS SHALL BE RETRO-REFLECTIVE PAINT.
- 4- ALL SIGNS SHALL BE OF HIGH INTENSITY (FHWA TYPE III/IV) RETRO-REFLECTIVE SHEETING EXCEPT:
 - A. "STOP" SIGNS SHALL BE DIAMOND GRADE (FHWA TYPE VII IN RURAL SETTINGS AND TYPE IX IN URBAN SETTINGS) RETRO-REFLECTIVE SHEETING.
 - B. "NO PARKING " SIGNS SHALL BE OF SUPER ENGINEERING GRADE (FHWA TYPE II) RETRO-REFLECTIVE SHEETING.
 - C. SCHOOL SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT YELLOW-GREEN (FYG) RETRO-REFLECTIVE SHEETING.
 - D. STREET NAME MARKERS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) RETRO-REFLECTIVE SHEETING AND CONFORM TO COUNTY STANDARD 303.
 - E. CONSTRUCTION SIGNS SHALL BE OF DIAMOND GRADE (FHWA TYPE IX) FLUORESCENT ORANGE RETRO-REFLECTIVE SHEETING.
- 5- ALL DELINEATORS, CHANNELIZERS, AND OBJECT MARKERS SHALL BE OF (FHWA TYPE VII) RETRO-REFLECTIVE SHEETING.
- 6- SIGNS SHALL BE MOUNTED ON METAL POSTS SIMILAR TO COUNTY STANDARDS 303(a) AND 303(b).
- 7- ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON PLANS SHALL BE REMOVED BY THE CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY SANDBLASTING, GRINDING, OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- 8- ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED, OR COVERED BY THE CONTRACTOR. RELOCATABLE SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- 9- ALL UNPROTECTED LOCATIONS RESULTING IN ISOLATED ABRUPT DEPRESSIONS OR ELEVATED OBJECTS (i.e. CATCH BASINS, HEADWALLS, POWER POLES, END TREATMENT OF ASPHALT DIKES AND CONCRETE CURBS) SHALL BE PROTECTED BY DELINEATORS OR BARRIERS PER THE CALIFORNIA MUTCD LATEST EDITION.
- 10- ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS (i.e. CROSS STREET STOP, STOP LIMIT LINE, AND CROSSWALK PAVEMENT MARKINGS) NOT SHOWN ON PLANS, IF REMOVED/OBLITERATED, SHALL BE REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- 11- THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.
- 12- TRAFFIC SIGNS NOT IDENTIFIED TO BE RELOCATED/REMOVED SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE DIRECTED BY THE COUNTY RESIDENT ENGINEER.

				COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS				LINDEN AVENUE AND OTHER ROADS				
				DESIGNED BY:	DRAWN BY:	CHECKED BY:	RECOMMENDED BY:					
				NA	NA	JHC	JEREMY JOHNSON, P.E. DATE TRAFFIC DIVISION ENGINEERING MANAGER					
						APPROVED BY:						
			LEI LI, P.E. DATE SUPERVISING ENGINEER			DAVID R. DOUBLET, M.S., P.E. DATE ASSISTANT DIRECTOR						
								J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
									TX1796	1"=40'	12	12