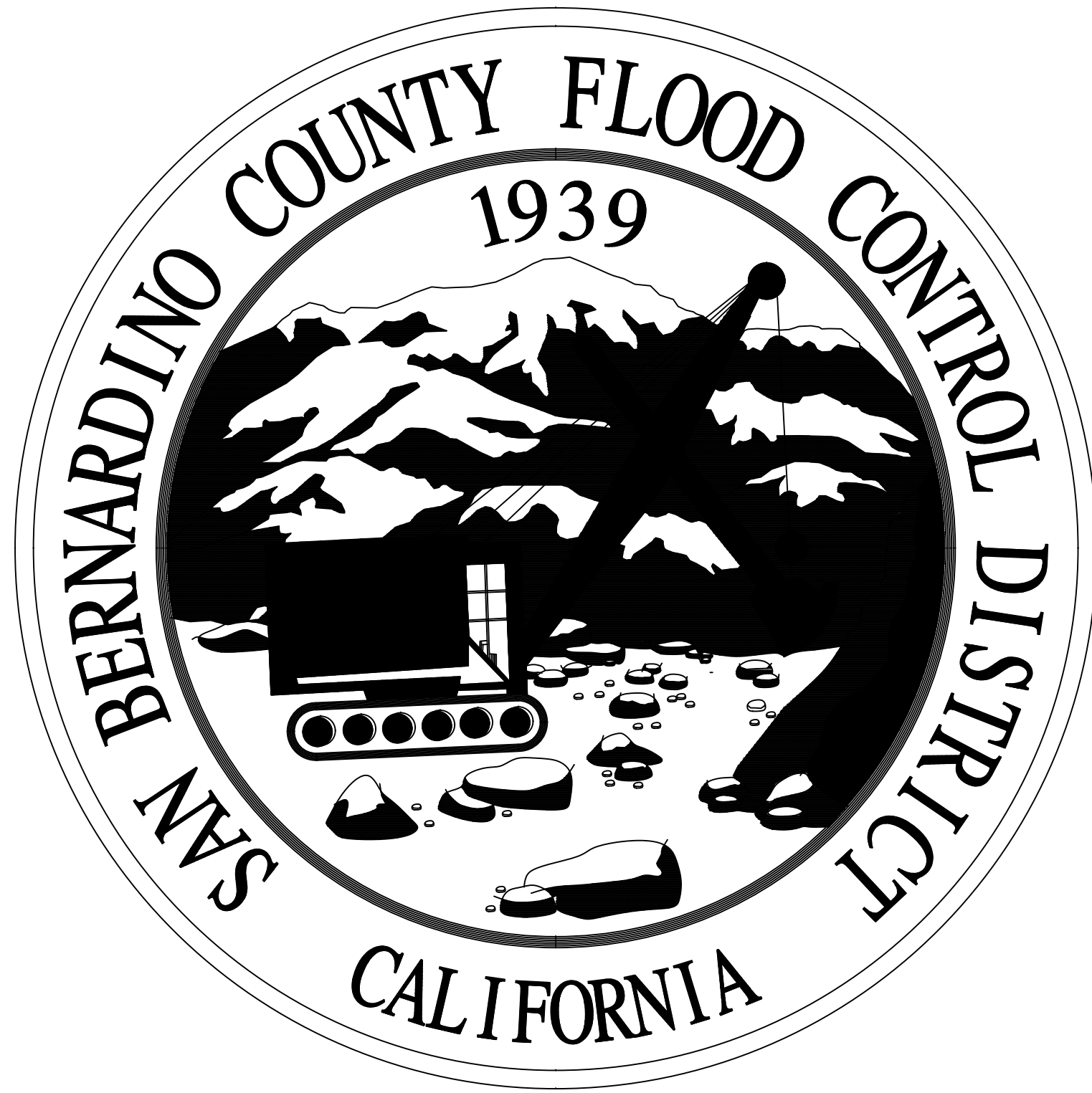


WARNING: ALL INDIVIDUALS INTERESTED IN BIDDING ON THIS PROJECT MUST OBTAIN THE FINAL PLANS AND SPECIFICATIONS FROM THE DEPARTMENT MANAGING THE PROJECT OR AS OTHERWISE STATED IN THE ADVERTISEMENT FOR BIDS FOR THE PROJECT. DO NOT USE THE PLANS AND SPECIFICATIONS POSTED ON THE CLERK OF THE BOARD'S WEBSITE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



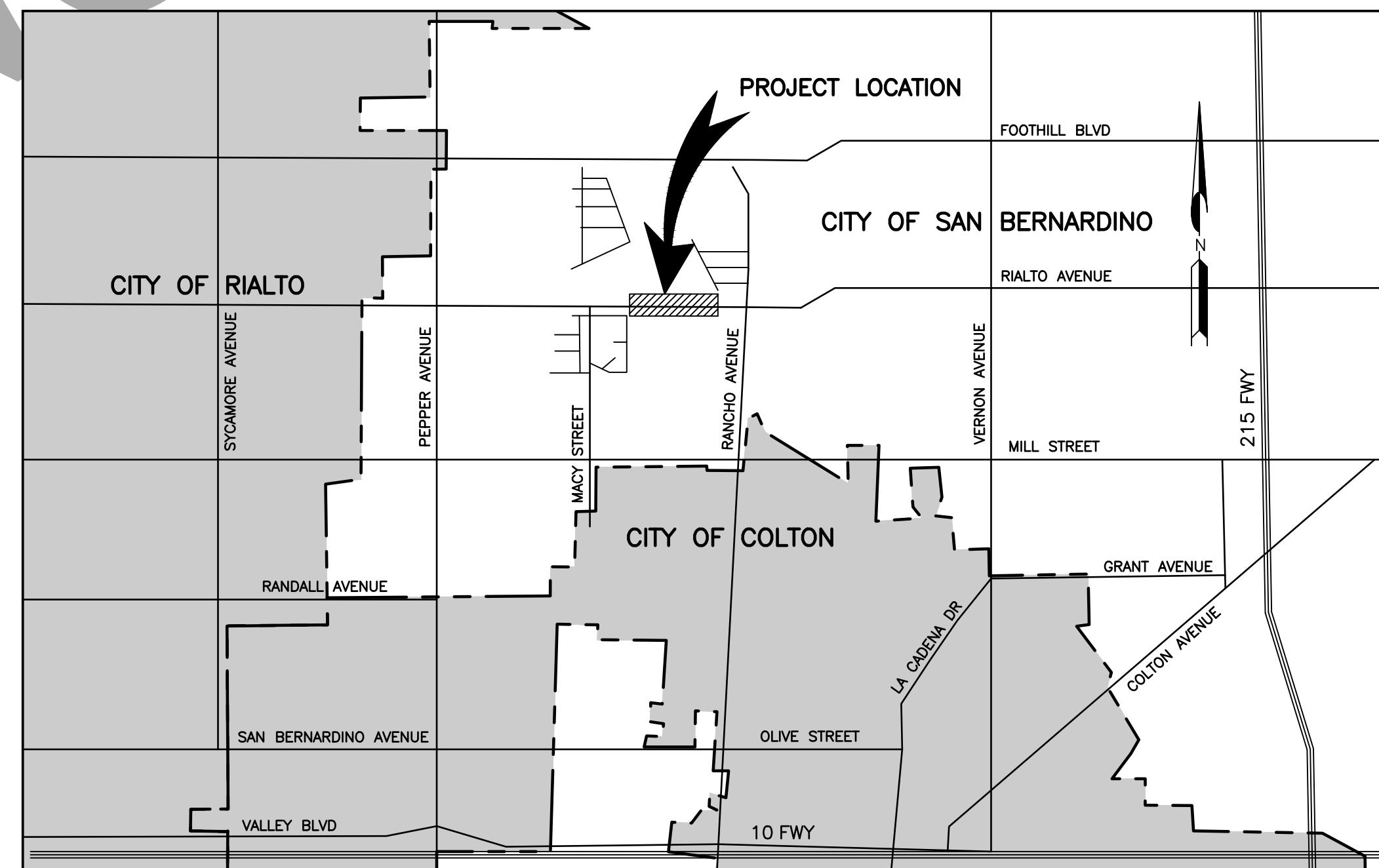
SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT

PLANS FOR CONSTRUCTION ON RIALTO AVENUE ROADWAY AND SLOPE REPAIR EMERGENCY PROJECT 350 FT WEST OF RANCHO AVENUE

WORK ORDER NO. F02796

CITY OF SAN BERNARDINO AREA

LENGTH = 425 LF



LOCATION MAP

NOT TO SCALE

CITY OF SAN BERNARDINO

APPROVED BY: ALEX QISHTA, P.E., DEPUTY DPW/CITY ENGINEER

DATE

COUNTY OF SAN BERNARDINO

APPROVED BY: BRENDON P. BIGGS, P.E., CHIEF FLOOD CONTROL ENGINEER R.C.E. 57127

DATE

SAN BERNARDINO CITY DRAWING NO.13447

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES		SHT. NO.	TOT. SHT'S.
		1	4

1	TITLE SHEET
2	PROJECT NOTES, VICINITY MAP, LEGENDS AND INDEX OF SHEETS
3	PLAN & PROFILE SHEET (ROADWAY REPAIR)
4	PLAN & TYPICAL SECTIONS (ROADWAY AND SLOPE REPAIR)

SPECIAL DRAWING 106

200

A85 A85A A20A H51

NONE

GENERAL NOTES

1. ALL STATIONING NOTES ON PLAN REFER TO THE CL SUR OF ROAD OR SIDE STREET.
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 WITHIN THE LIMITS OF EXCAVATION AND EMBANKMENT SLOPE LINES, SHALL BE PROTECTED IN PLACE AS DIRECTED BY THE ENGINEER.
7. AS BUILT SHALL BE SIGNED BY SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT & CITY OF SAN BERNARDINO.
COPIES TO CITY OF SAN BERNARDINO

CCS83 ZONE 5, NAD-83(2011) EPOCH 2010.0
DISTANCES AND COORDINATION ARE GRID.
CF=0.99993647
1/CF=1.00006353

FD 2" IP W/NAIL (NO TAG), DN 0.20',
ACCEPTED AS 1" IP W/SB CITY TAG
PER CR 171/084. ELEVATION DERIVED
FROM STATIC GPS OBSERVATION.
NAVD-88 ELEVATION = 1149.397'

- 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 CALTRANS 2015 STANDARD PLANS (DATED OCTOBER 30, 2015).
- 3 ALL STRIPING (LONG LINE) AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC 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.

AB	=	AGGREGATE BASE
AC	=	ASPHALT CONCRETE
AP	=	ANGLE POINT
BEG	=	BEGINNING
CL	=	CENTER LINE
C&G	=	CURB AND GUTTER
D/W	=	DRIVEWAY
EL	=	ELEVATION
EP	=	EDGE OF PAVEMENT
EXIST	=	EXISTING
FL	=	FLOW LINE
GB	=	GRADE BREAK
GRD	=	GROUND
HP	=	HINGE POINT
I.D.	=	INTERNAL DIMENSION
IMP	=	IMPROVEMENT
NTS	=	NOT TO SCALE
OG	=	ORIGINAL GROUND
PEC	=	PERMIT TO ENTER AND CONSTRUCT
PL	=	PROPERTY LINE
P&P	=	PLAN & PROFILE
PT.	=	POINT
R/W	=	RIGHT OF WAY
RET.	=	RETAINING
SUR	=	SURVEY
SHT	=	SHEET
STD	=	STANDARD
DWG	=	DRAWING
SGN	=	SIGN
SSGN	=	STOP SIGN
STA	=	STATION
THK	=	THICKNESS
TYP	=	TYPICAL

	ASPHALT CONCRETE PAVEMENT
	PORTLAND CEMENT CONCRETE (SECTION)
	PORTLAND CEMENT CONCRETE (PLAN)
	ASPHALT CONCRETE COLD PLANE
	ERODED AREA
	UNDISTURBED SOIL (SECTION)
	AGGREGATE BASE (SEE SPECIAL PROVISIONS)
	ROADWAY EXCAVATION AND IMPORTED SOIL BACKFILL 90%-95% RELATIVE COMPACTION (SEE SPECIAL PROVISIONS)
	SLOPE EXCAVATION AND ENGINEERED FILL--(IMPORTED SOIL) 90%-95% RELATIVE COMPACTION (SEE SPECIAL PROVISIONS)

—G—	GAS LINE
—S—	SEWER MAIN
—W—	WATER LINE
—T—	TELEPHONE LINE
—SD—	STORM DRAIN

U (SEE NOTE U. OF GENERAL NOTES ON THIS SHEET).

1 PROTECT IN PLACE.

2 SAWCUT AND REMOVE EXIST ASPHALT CONCRETE PAVEMENT.

3 PLACE (0.50" THK.) ASPHALT CONCRETE (TYPE A) OVER 0.65" THK. AGGREGATE BASE.

4 CONSTRUCT 8" C&G (TYPE B) PER CITY OF SAN BERNARDINO STD. 200.

5 COLD PLANE (0.20" THK.) AND 2' MIN. WIDTH FOR SMOOTH TRANSITION.

6 REMOVE AND REPLACE CHAIN LINK FENCE (TYPE CL-6) PER CALTRANS STD. A85 AND A85A.

7 ADJUST MANHOLE FRAME & COVER TO GRADE WITH CONCRETE COLLAR PER SPEC. DWG. 106.

8 APPLY RECP TRM (TYPE B) IMMEDIATELY AFTER FINAL GRADING AS DIRECTED
BY THE ENGINEER (SEE SPECIAL PROVISIONS).

9 PLACE (0.50" THK.) ASPHALT CONCRETE (TYPE A) OVER 0.65" THK. AGGREGATE BASE
OVER ENGINEERED FILL PER TYPICAL SECTION AS SHOWN ON SHEET 4.

10 CONSTRUCT 4" THK SIDEWALK TO MATCH EXIST PER CITY OF SAN BERNARDINO STD 202

11 SAWCUT AND REMOVE EXISTING CURB AND GUTTER OR SIDEWALK AS DIRECTED BY THE ENGINEER.

10| APPLY 4" WHITE LINE THERMOPLASTIC TRAFFIC STRIPE PER CALTRANS STD. A20A, DETAIL 11.

ORANGEWOOD ESTATES MOBILE HOME

PROJECT LOCATION

RIALTO AVENUE

PETITE CHATEAU
HOME PARK

VICINITY MAP

NTS

RANCHO AVENUE

SAN BERNARDINO CITY DRAWING NO.13447

PROJECT NOTES, VICINITY MAP
LEGENDS AND INDEX OF SHEETS
CITY OF SAN BERNARDINO

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
12013	E02796	NTS	2	4

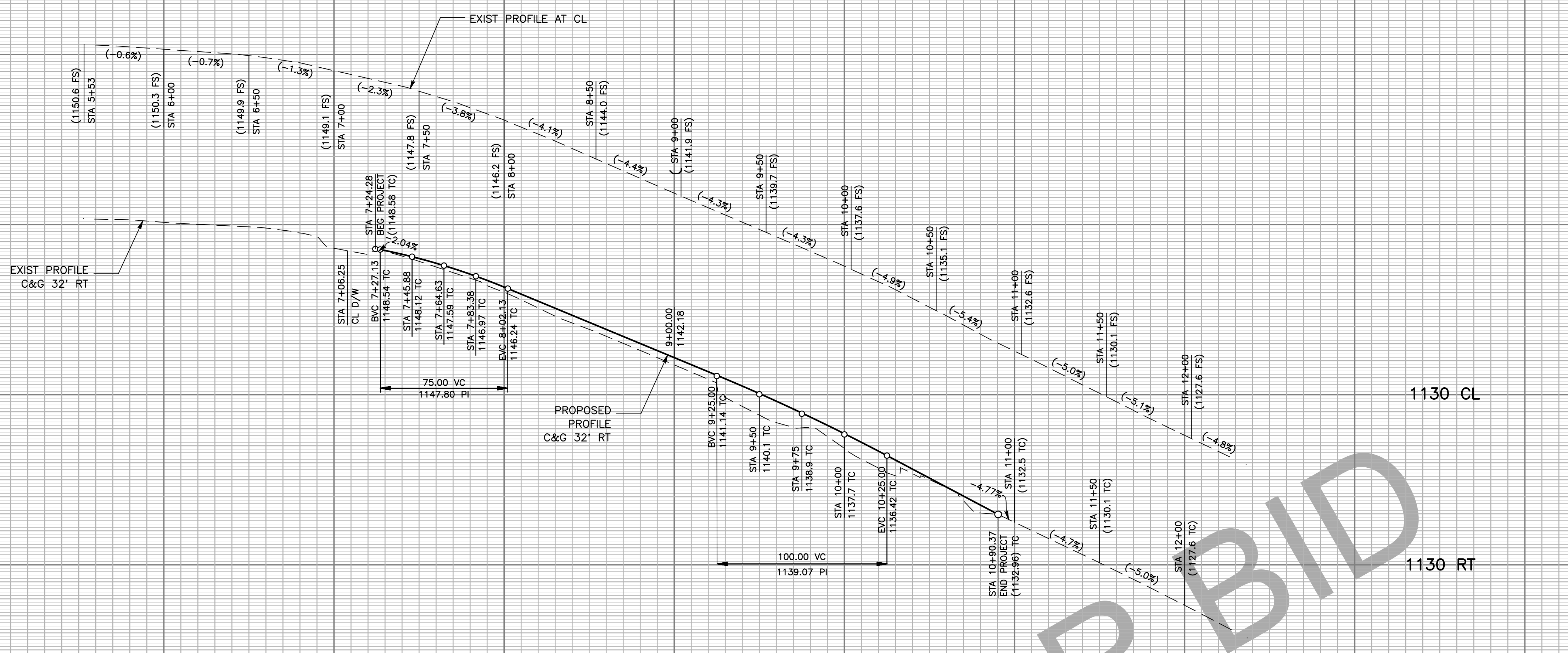
W\Design Team -- B\HALO AVENUE Roadway and Slope Repair Emergency Project -- F02796 -- Enr\Chl 3D\WORKING FILES\F02796-SHEET 2--HALO AVE STREET--INDEX AND NOTES_P0.dwg --

NON-COUNTY MAINTAINED ROAD

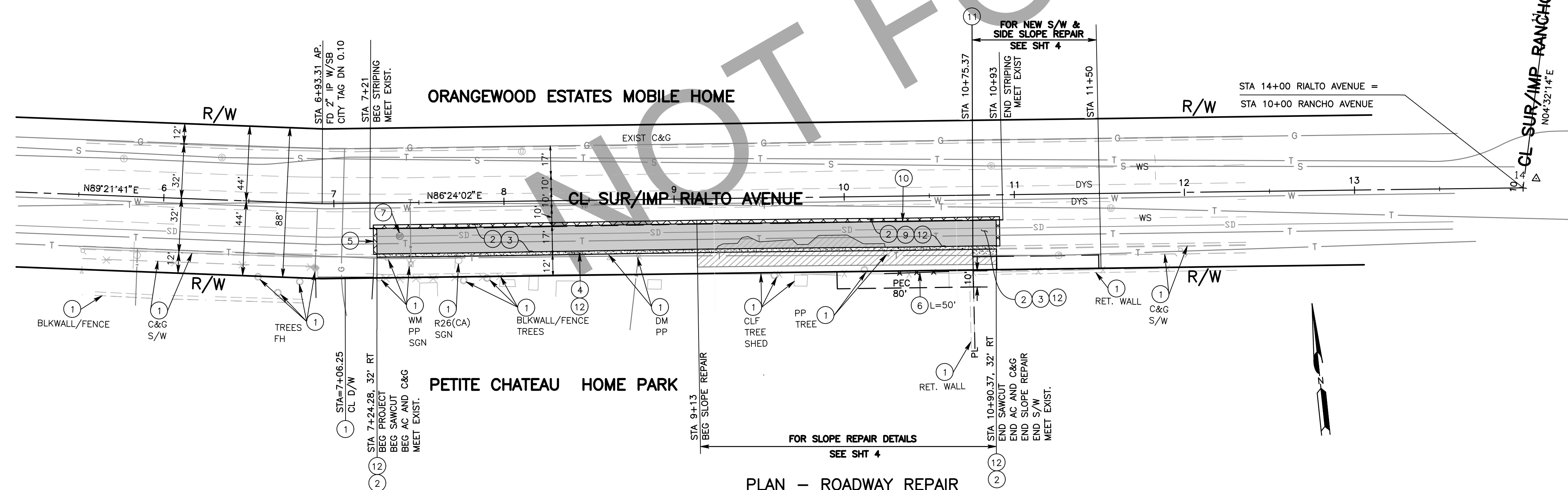
MARK	REVISIONS	DATE	APPR.

MARK	REVISIONS	DATE	APPR.

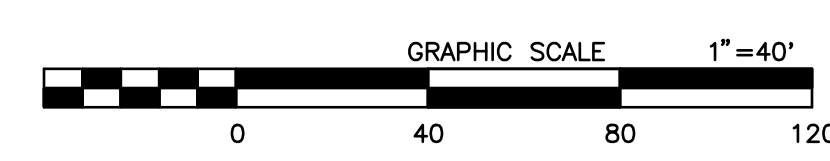
NON-COUNTY MAINTAINED ROAD



PROFILE
SCALE: HORIZ 1"=40'
VERT 1"=4'



PLAN - ROADWAY REPAIR
NTS
NOTE:
TYPICAL SECTIONS ARE SHOWN ON SHT 4



- CONSTRUCTION NOTES:
- (SEE NOTE U, OF GENERAL NOTES ON SHEET 2)
 - PROTECT IN PLACE.
 - SAWCUT AND REMOVE EXIST ASPHALT CONCRETE PAVEMENT.
 - PLACE (0.50' THK.) ASPHALT CONCRETE (TYPE A) OVER 0.65' THK. AGGREGATE BASE.
 - CONSTRUCT 8" C&G (TYPE B) PER CITY OF SAN BERNARDINO STD. 200.
 - COLD PLANE (0.20' THK.) AND 2" MIN. WIDTH FOR SMOOTH TRANSITION.
 - REMOVE AND REPLACE CHAIN LINK FENCE (TYPE CL-6) PER CALTRANS STD. A85 AND A85A.
 - ADJUST MANHOLE FRAME & COVER TO GRADE WITH CONCRETE COLLAR PER SPEC. DWG. 106.
 - PLACE (0.50' THK.) ASPHALT CONCRETE (TYPE A) OVER 0.65' THK. AGGREGATE BASE OVER ENGINEERED FILL PER TYPICAL SECTION AS SHOWN ON SHEET 4.
 - CONSTRUCT 4" THK SIDEWALK TO MATCH EXIST PER CITY OF SAN BERNARDINO STD 202
 - SAWCUT AND REMOVE EXISTING CURB AND GUTTER OR SIDEWALK AS DIRECTED BY THE ENGINEER.
- TRAFFIC SIGNING AND STRIPING NOTES:
- APPLY 4" WHITE LINE THERMOPLASTIC TRAFFIC STRIPE PER CALTRANS STD. A20A, DETAIL 11.

- CONSTRUCTION LEGEND
- ERODED AREA
 - ASPHALT CONCRETE PAVEMENT
 - ASPHALT CONCRETE COLD PLANE

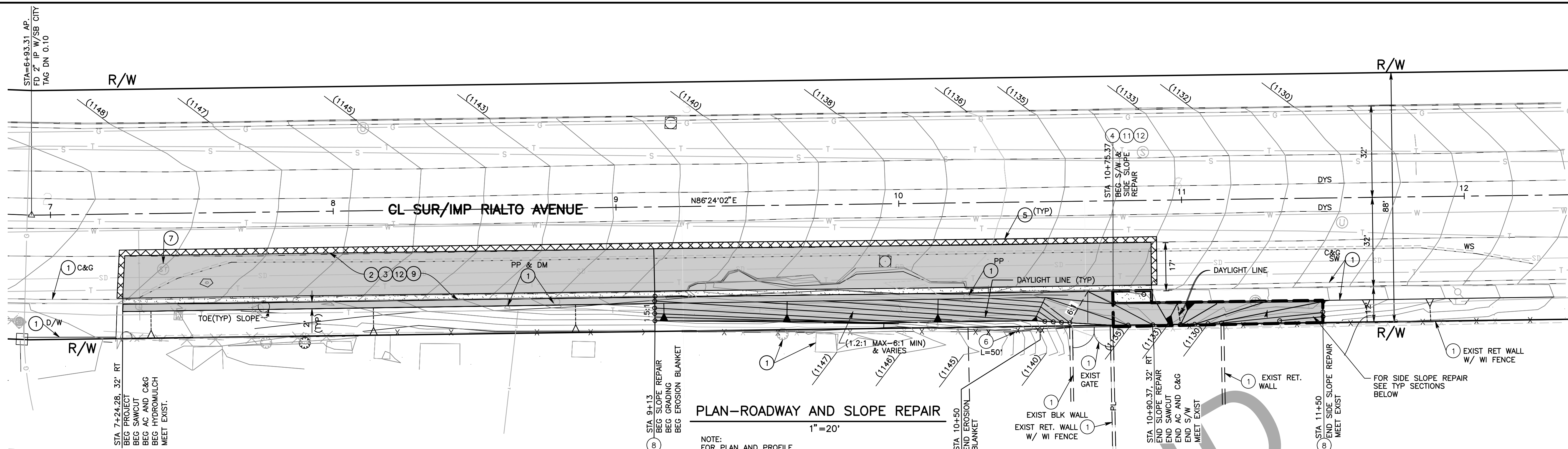
MARK	CHANGES	RESIDENT ENGINEER	DATE

FIELD CHANGES



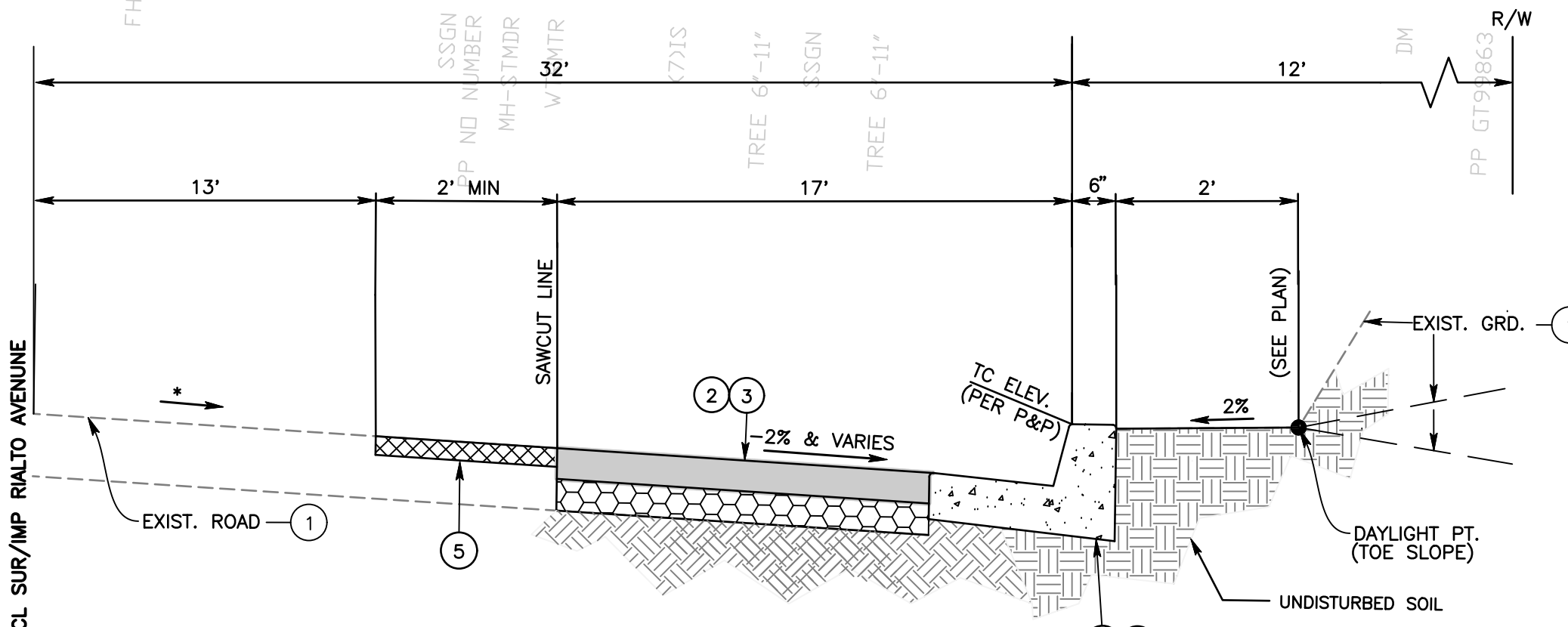
SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT			
DESIGNED BY: ESR	DRAWN BY: AA/MDV	CHECKED BY: DJ	RECOMMENDED BY: MERIAT N. MIKHAIL, P.E. ENGINEERING MANAGER
ELOY RUVALCABA, P.E. SUPERVISING ENGINEER		DAVID R. DOUBLET M.S., P.E. ASSISTANT DIRECTOR	

SAN BERNARDINO CITY DRAWING NO.13447				
RIALTO AVENUE PLAN AND PROFILE (ROADWAY REPAIR) CITY OF SAN BERNARDINO FROM STA 7+24.28 TO STA 10+89.10				
J.L. REF. J.L. 12013	W.O. NO. F02796	PLAN SCALE 1"=40'	SHT. NO. 3	TOT. SHT'S. 4



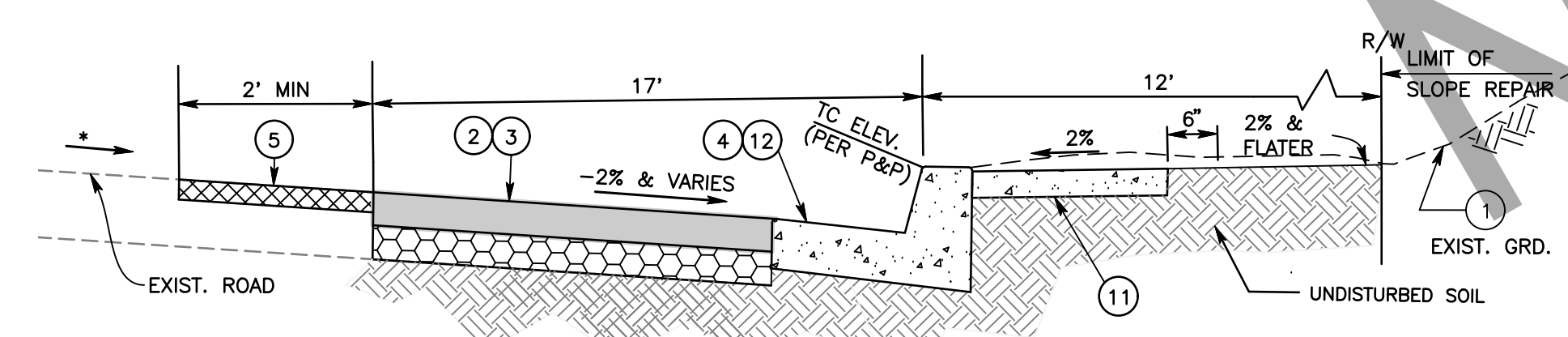
PLAN—ROADWAY AND SLOPE REPAIR

NOTE:
FOR PLAN AND PROFILE
SEE SHT 3



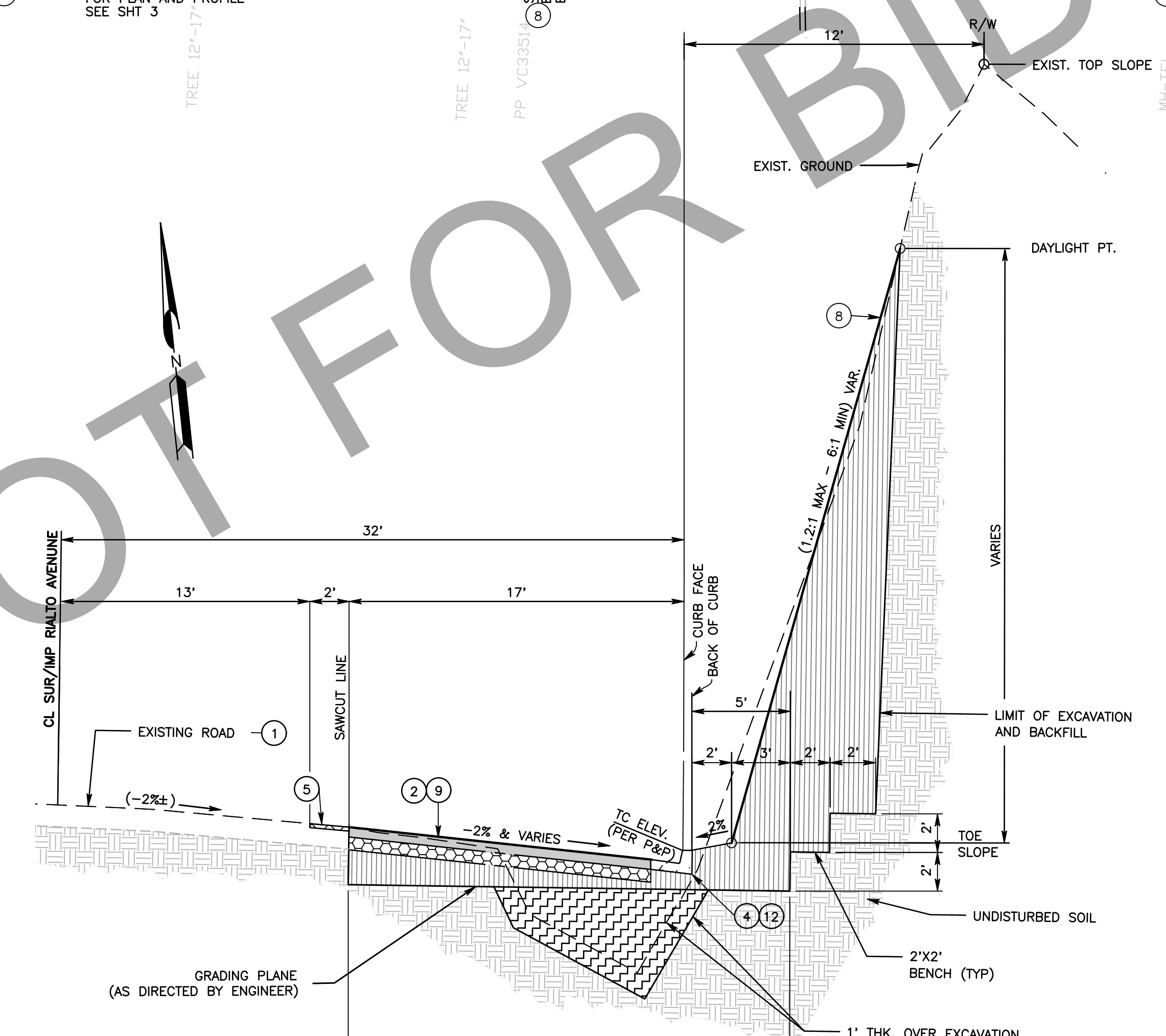
TYPICAL SECTION – ROAD REPAIR

STA 7+24.28 TO STA 9+13
* EXIST SLOPE



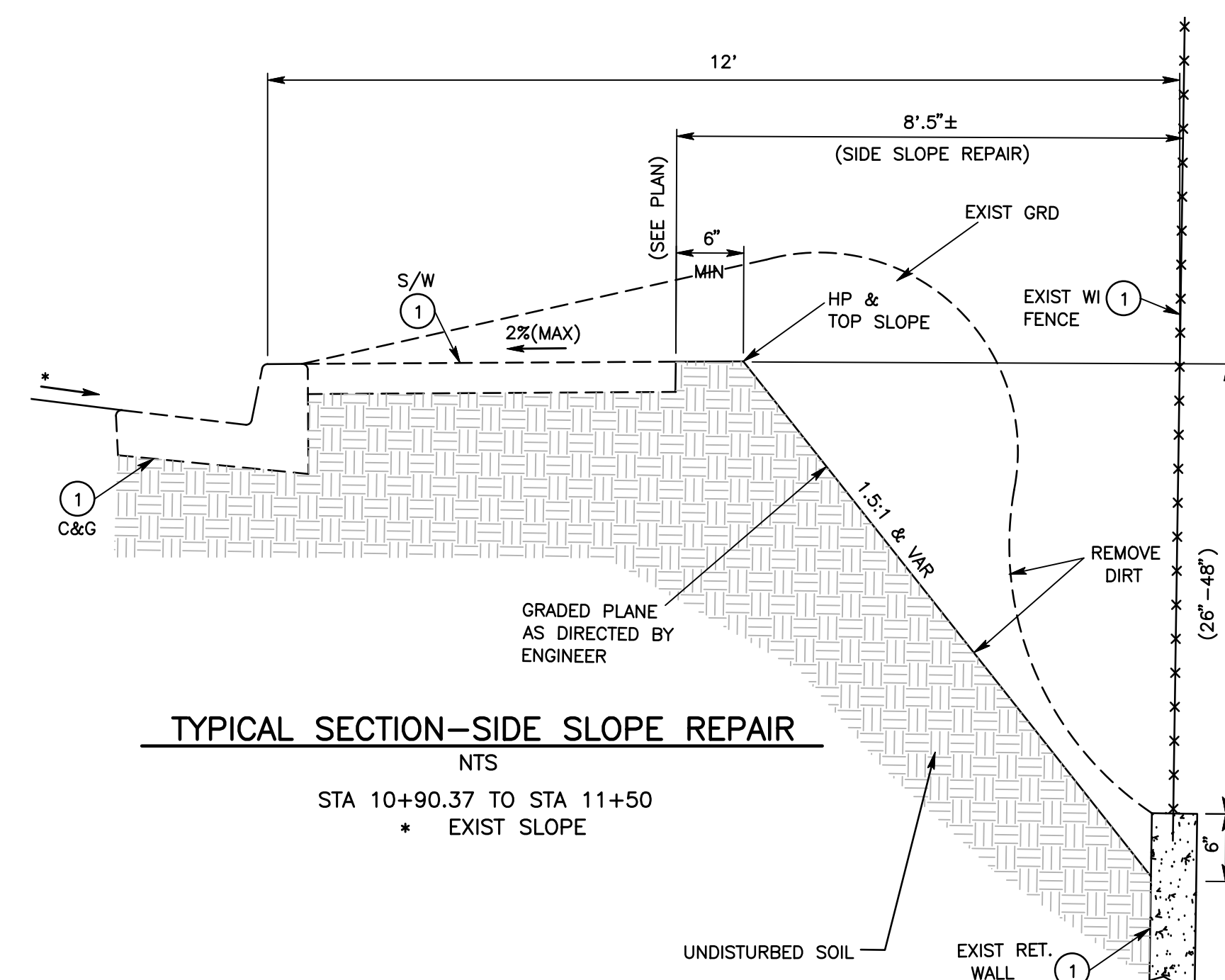
TYPICAL SECTION—ROAD & SIDEWALK REPAIR

STA 10+75.37 TO STA 10+90.37
* EXIST SLOPE



TYPICAL SECTION – SLOPE & ROAD REPAIR

STA 9+13 TO STA 10+90.37



TYPICAL SECTION—SIDE SLOPE REPAIR

STA 10+90.37 TO STA 11+50
* EXIST SLOPE

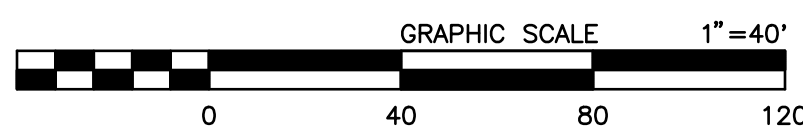
MARK	REVISIONS	APPR.	DATE

MARK	REVISIONS	APPR.	DATE

NON-COUNTY MAINTAINED ROAD

○ CONSTRUCTION NOTES:

- | | |
|----|--|
| U | UTILITIES TO BE RELOCATED BY OTHERS
(SEE NOTE U. OF GENERAL NOTES ON SHEET 2) |
| 1 | PROTECT IN PLACE. |
| 2 | SAWCUT AND REMOVE EXIST ASPHALT CONCRETE PAVEMENT. |
| 3 | PLACE (0.50' THK.) ASPHALT CONCRETE (TYPE A) OVER 0.65' THK. AGGREGATE BASE. |
| 4 | CONSTRUCT 8" C&G (TYPE B) PER CITY OF SAN BERNARDINO STD. 200. |
| 5 | COLD PLANE (0.20' THK.) AND 2' MIN. WIDTH FOR SMOOTH TRANSITION. |
| 6 | REMOVE AND REPLACE CHAIN LINK FENCE (TYPE CL-6) PER CALTRANS STD. A85 AND A85A. |
| 7 | ADJUST MANHOLE FRAME & COVER TO GRADE WITH CONCRETE COLLAR PER SPEC. DWG. 106. |
| 8 | APPLY RECP TRM (TYPE B) IMMEDIATELY AFTER FINAL GRADING AS DIRECTED
BY THE ENGINEER (SEE SPECIAL PROVISIONS). |
| 9 | PLACE (0.50' THK.) ASPHALT CONCRETE (TYPE A) OVER 0.65' THK. AGGREGATE BASE
OVER ENGINEERING FILL PER TYPICAL SECTION AS SHOWN ON THIS SHEET. |
| 11 | CONSTRUCT 4" THK SIDEWALK TO MATCH EXIST PER CITY OF SAN BERNARDINO STD 202 |
| 12 | SAWCUT AND REMOVE EXISTING C&G OR SIDEWALK AS DIRECTED BY THE ENGINEER. |



MARK	CHANGES	RESIDENT ENGINEER _____ DATE _____

FIELD CHANGES



SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT			
DESIGNED BY: ____ ESR	DRAWN BY: AA/MDV	CHECKED BY: ____ DJ	RECOMMENDED BY: ____ MERRAT N. MIKHAIL, P.E. ENGINEERING MANAGER
ELOY RUVALCABA, P.E. SUPERVISING ENGINEER ____ DATE			APPROVED BY: ____ DAVID R. DOUBLET M.S., P.E. ASSISTANT DIRECTOR ____ DATE

SAN BERNARDINO CITY DRAWING NO.13447

RIALTO AVENUE

PLAN & TYPICAL SECTIONS (ROADWAY AND SLOPE REPAIR)

CITY OF SAN BERNARDINO

FROM STA 7+24.28 TO STA 11+50

J.L. REF.	W.D. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L. 12013	F02796	1" = 20'	4	4