

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.

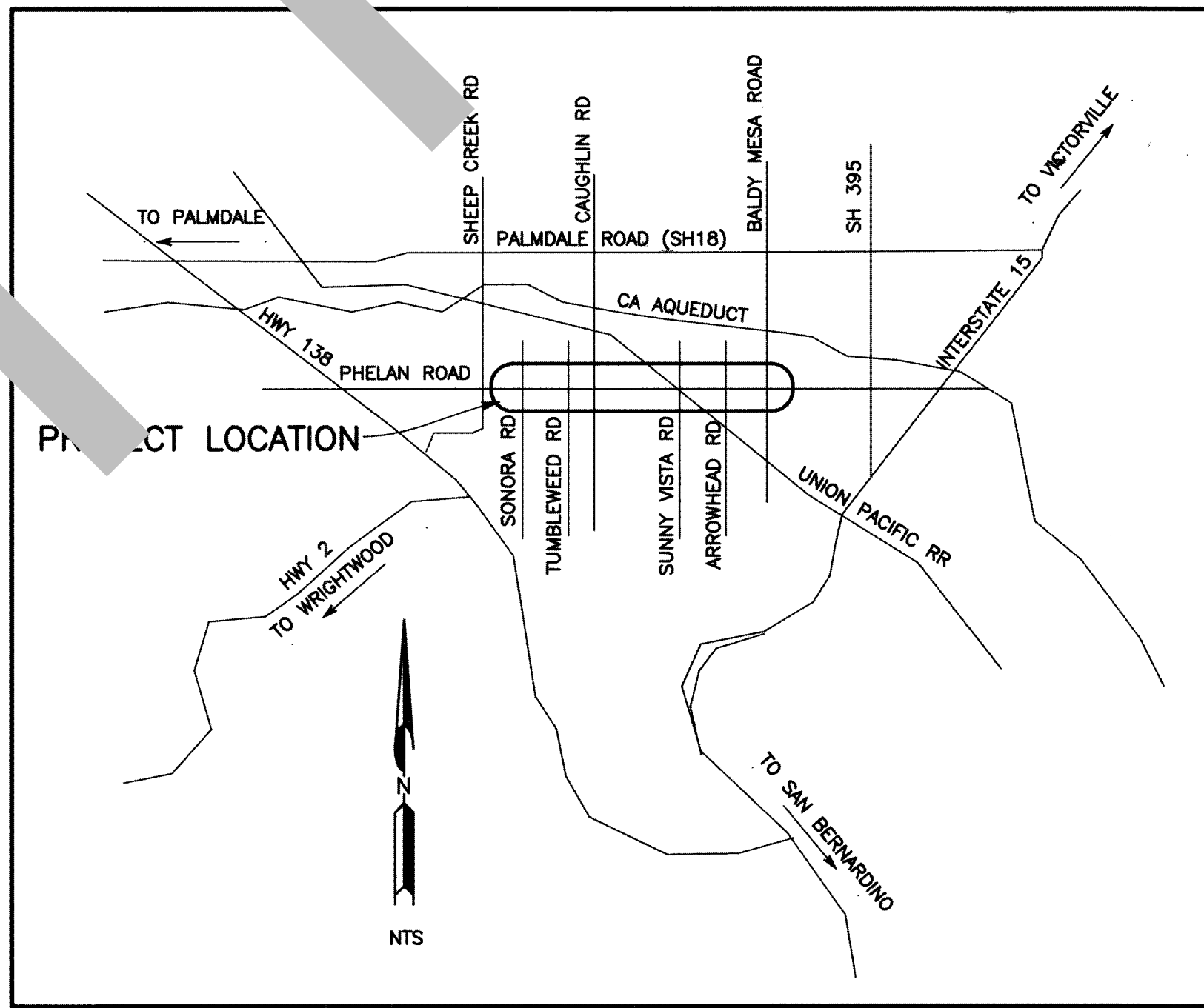
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS



TRANSPORTATION PLANS FOR CONSTRUCTION ON PHELAN ROAD

INTERSECTION IMPROVEMENTS AT SONORA RD., TUMBLEWEED RD., SUNNY VISTA RD. & ARROWHEAD RD. PHELAN AREA

FEDERAL AID-PROJECT: H-161-PL-5954 (160)
WORK ORDER NO. 114995 ROAD NO. 651850-013
LENGTH = 0.87 MILES



LOCATION MAP
NOT TO SCALE

SAN BERNARDINO COUNTY

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

10/14/21
DATE

APPROVED BY: David R. Doublet
DAVID R. DOUBLET, M.S., P.E., ASSISTANT DIRECTOR OF PUBLIC WORKS R.C.E. 61291

10/14/21
DATE

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		
FIELD CHANGES		SHT. NO.	TOT. SHT'S.
		1	23

MARK	REVISIONS	APPR.	DATE
MARK	REVISIONS	APPR.	DATE

INDEX OF SHEETS

- 1 TITLE SHEET
 - 2 PROJECT NOTES, LEGENDS, INDEX MAP, INDEX OF SHEETS
 - 3-4 TYPICAL SECTIONS - PHELAN ROAD & SONORA ROAD AND MISCELLANEOUS DETAILS
 - 5 TYPICAL SECTIONS - PHELAN ROAD & TUMBLEWEED ROAD
 - 6 TYPICAL SECTIONS - PHELAN ROAD & SUNNY VISTA ROAD
 - 7 TYPICAL SECTIONS - PHELAN ROAD & ARROWHEAD ROAD
 - 8 PLAN AND PROFILE - PHELAN ROAD AT SONORA RD
 - 9 PLAN AND PROFILE & GRADING DETAIL - SONORA ROAD AT PHELAN ROAD
 - 10 GRADING DETAIL - PHELAN ROAD AT SONORA ROAD
 - 11 PLAN AND PROFILE - PHELAN ROAD AT TUMBLEWEED ROAD
 - 12 PLAN AND PROFILE & GRADING DETAIL - TUMBLEWEED ROAD AT PHELAN ROAD
 - 13 GRADING DETAIL - PHELAN ROAD AT TUMBLEWEED ROAD
 - 14 PLAN AND PROFILE - PHELAN ROAD AT SUNNY VISTA ROAD
 - 15 PLAN AND PROFILE & GRADING DETAIL - SUNNY VISTA ROAD AT PHELAN ROAD
 - 16 GRADING DETAIL - PHELAN ROAD AT SUNNY VISTA ROAD
 - 17 PLAN AND PROFILE - PHELAN ROAD AT ARROWHEAD ROAD
 - 18 PLAN AND PROFILE & GRADING DETAIL - ARROWHEAD ROAD AT PHELAN ROAD
 - 19 GRADING DETAIL - PHELAN ROAD AT SUNNY VISTA ROAD
 - 20-23 TRAFFIC SIGNING AND STRIPING PLAN
- 1-5 CROSS SECTION SHEETS PHELAN ROAD AT SONORA ROAD
 - 1-2 CROSS SECTION SHEETS SONORA ROAD AT PHELAN ROAD
- 1-6 CROSS SECTION SHEETS PHELAN ROAD AT TUMBLEWEED ROAD
 - 1-2 CROSS SECTION SHEETS TUMBLEWEED ROAD AT PHELAN ROAD
- 1-7 CROSS SECTION SHEETS PHELAN ROAD AT SUNNY VISTA ROAD
 - 1 CROSS SECTION SHEETS SUNNY VISTA ROAD AT PHELAN ROAD
- 1-5 CROSS SECTION SHEETS PHELAN ROAD AT ARROWHEAD ROAD
 - 1-2 CROSS SECTION SHEETS ARROWHEAD ROAD AT PHELAN ROAD

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

117 A 303a 303b SD-2 MAILBOX
SD-1 MAILBOX

TO BE SUPPLEMENTED BY THE FOLLOWING CALTRANS STANDARD PLANS DATED 2015:

A73B A81A A85 RSP T9
RSP T10 T3A T13

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

A20A A20B A20D A24A
A24B A24D A24E

TO BE SUPPLEMENTED BY THE FOLLOWING CALIFORNIA MUTCD 2014, (REVISION 6):

2A-2 (CA) 2A-3 2C-13(CA) 3B-102(CA)
3F-101(CA) 3F-105(CA) 6H-28 6H-29
CHAPTER 6D

THIS PROJECT REQUIRES A CONTRACTOR'S LICENSE CLASS "A", C12

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 SUR PHELAN ROAD AND CL IMP OR SUR SIDE ST
- 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.

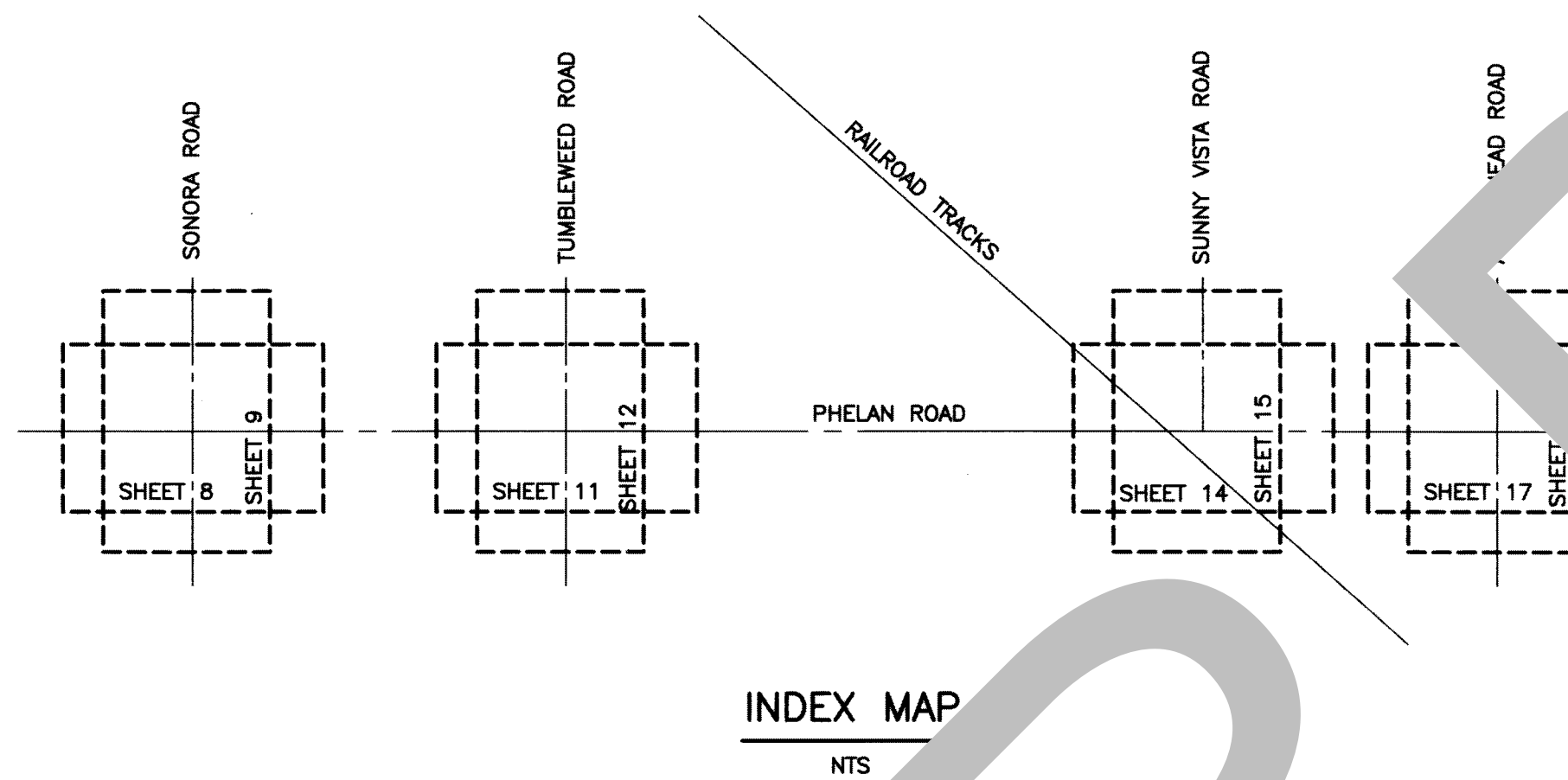
BASIS OF BEARINGS:

THE CENTERLINE OF PHELAN ROAD BETWEEN WILSON RANCH ROAD AND SONORA ROAD ALSO BEING THE NORTH LINE OF SECTION 21, T4N, R6W, SBM, TR.10677, MB 152/9-13, BEING N89°58'26"E.

BENCH MARK:

FD RR SPIKE IN PP #4006319E @ SE COR PHELAN RD & ARROWHEAD RD, 7 PER CSFB 4151/180 NGVD-29 ELEVATION = 3703.92'.

NOTE: NAVD-88 ELEVATION FOR PI#10 DETERMINED FROM GPS TIES TO CORS CONTROL, THEN ADJUSTED TO LOCAL NGVD-29 BENCHMARKS.



ABBREVIATIONS

- AC = ASPHALT CONCRETE
- AP = ANGLE POINT
- AVE = AVENUE
- BEG = BEGINNING
- BCR = BEGIN CURB RETURN
- BDR = BEGIN DIKE RETURN
- BEP = BEGIN PAVEMENT RETURN
- CL = CENTER LINE
- CLF = CHAIN LINK FENCE
- DR = DRIVE
- DWG = DRAWING
- ECR = END CURB RETURN
- EDR = END DIKE RETURN
- EL = ELEVATION
- EOP = EDGE OF PAVEMENT
- EOPR = END OF PAVEMENT RETURN
- EX = EXISTING
- FCD = FLOOD CONTROL DISTRICT
- FG = FINISHED GRADE
- FL = FLOW LINE
- LT = LEFT
- MAX = MAXIMUM
- MIN = MINIMUM
- NTS = NOT TO SCALE
- PEC = PERMIT TO ENTER AND CONSTRUCT
- PI = POINT OF INTERSECTION
- PL = PROPERTY LINE
- RT = RIGHT
- R/W = RIGHT OF WAY
- SBC = SAN BERNARDINO COUNTY
- SHLD = SHOULDER
- SHT = SHEET
- ST = STREET
- STA = STATION
- STD = STANDARD
- SUR = SURVEY
- THK = THICKNESS
- VC = VERTICAL CURVE

CONSTRUCTION MATERIALS

- PLAN
- ASPHALT CONCRETE OVERLAY
- ASPHALT CONCRETE PAVEMENT
- COLD PLANE/MILL AND OVERLAY
- GRAVEL PAVING (DRIVEWAY)
- PORTLAND CEMENT CONCRETE

SECTION

- ASPHALT CONCRETE OVERLAY
- ASPHALT CONCRETE PAVEMENT
- NATURAL GROUND
- PORTLAND CEMENT CONCRETE SECTION

UNDERGROUND UTILITY LEGEND

- GAS LINE G
- SEWER MAIN LINE S
- WATER LINE W
- ELECTRIC LINE E
- TELEPHONE LINE T
- DATA/CABLE LINE TF

CONSTRUCTION NOTES:

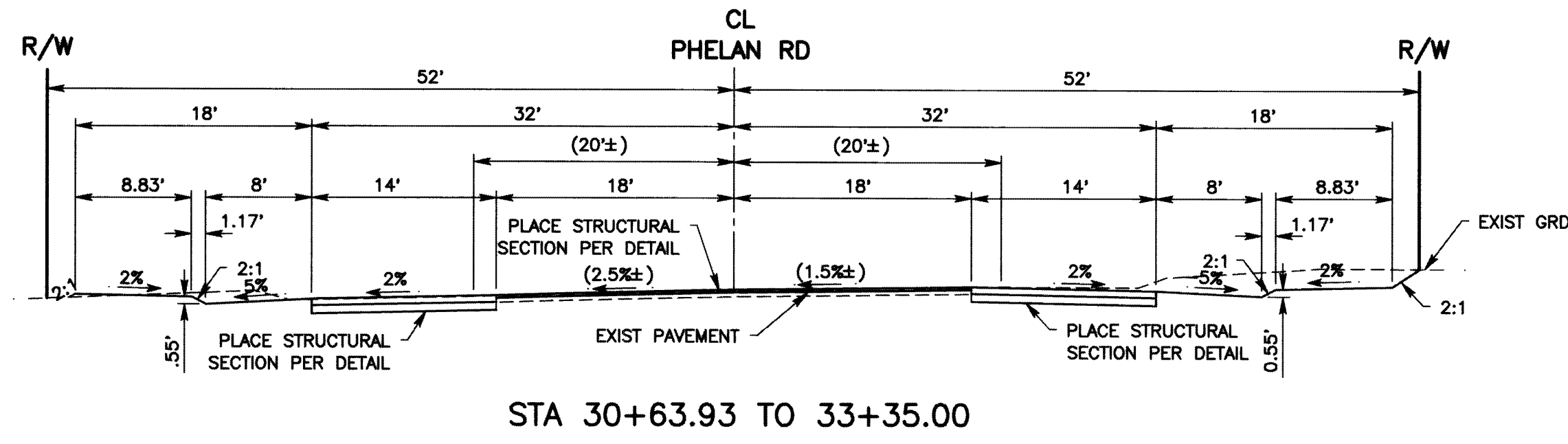
- 1 SAWCUT AND REMOVE EXISTING AC PAVEMENT.
- 2 COLD PLANE EXISTING AC PAVEMENT 0.10'.
- 3 PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS.
- 4 PLACE AC PAVEMENT 0.10' THK.
- 5 REMOVE AND DISPOSE OF EXISTING TREE AND STUMP.
- 6 CONSTRUCT DIRT DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
- 7 REMOVE AND RELOCATE EXISTING MAILBOX PER SD-1.
- 8 PLACE TRAVERSABLE AC DIKE PER CO STD PLAN 117A.
- 9 PROTECT IN PLACE.
- 10 ADJUST UTILITY TO GRADE.
- 11 REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE.
- 12 INSTALL CHAIN LINK FENCE TYPE CL-5 PER CALTRANS STANDARD PLAN A85.
- 13 REMOVE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.
- 14 FINISH GRADE PER TYPICAL SECTIONS.
- 15 INSTALL TEMPORARY CRASH CUSHION MODULES (ARRAY U14) PER CALTRANS STANDARD PLAN A81A.
- 16 CONSTRUCT AC CUT-OFF WALL PER DETAIL ON SHEET 4.
- 17 CONSTRUCT GRADED DRAINAGE DITCH PER INTERSECTION GRADING DETAIL AND DETAIL ON SHEET 4.
- 18 INSTALL TEMPORARY RAILING - K-RAIL PER CALTRANS STANDARD PLAN T3A.
- 19 CONSTRUCT AC DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
- 20 CONSTRUCT GRAVEL DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
- 21 CONSTRUCT CONCRETE (PCC) 4" THK. DRIVEWAY PER DETAILS ON SHEET 10.
- 22 INSTALL MARKER PER CA MUTCD FIGURE 2C-13 (CA), TYPE P (CA).
- 23 REMOVE AND RELOCATE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.
- 24 CONSTRUCT SIDE DRAIN PER DETAILS ON SHEET 4.
- 25 INSTALL CHAIN LINK FENCE TYPE CL-5 PER CALTRANS STANDARD PLAN A85.
- 26 RELOCATE EXISTING 28" ROLLING WROUGHT IRON GATE.
- 27 SAWCUT AND REMOVE EXISTING CONCRETE.
- 28 PLACE 0.25' THK. AC PAVEMENT DRIVEWAY.
- 29 INSTALL CONCRETE BARRIER DELINEATION PER CA MUTCD, FIGURE 3F-105(CA).

FILE NO. 651850-013

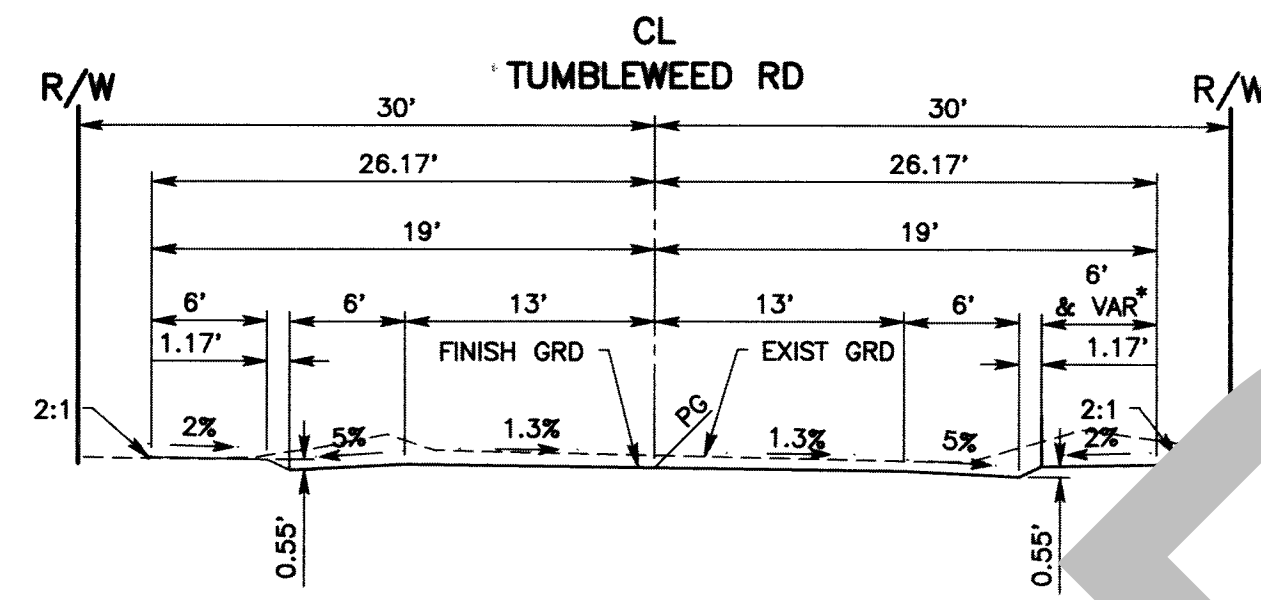
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DATE	APPR.
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DATE	APPR.

FILE NO. 651850-013

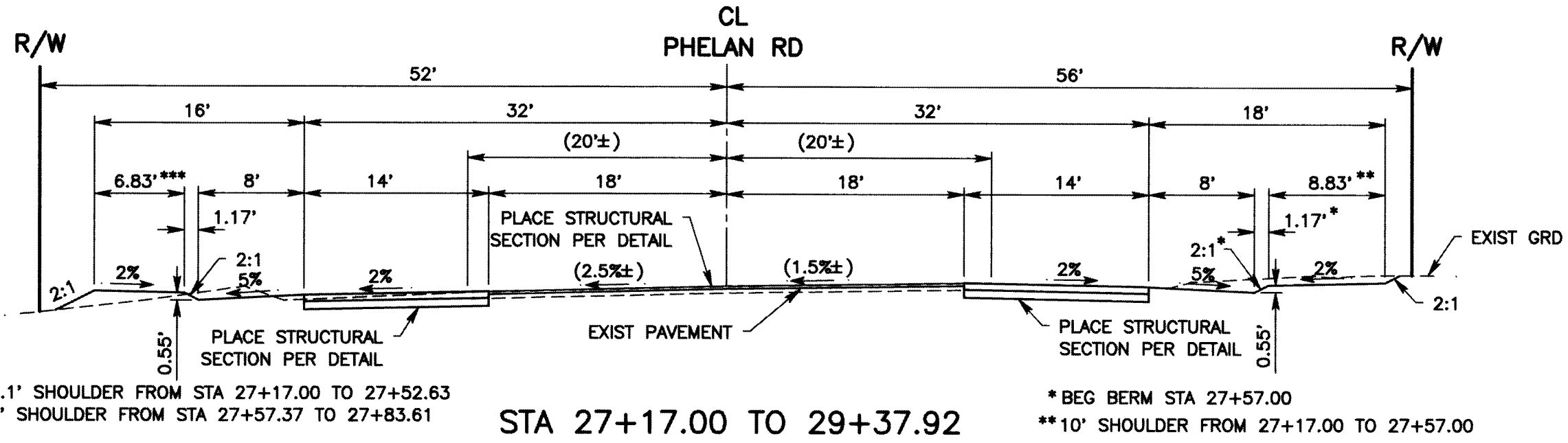
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DESIGNED BY: WCH	DRAWN BY: WCH	CHECKED BY: XXX	RECOMMENDED BY: Eloy Rivalcoba 10/13/2021	DATE: 10/13/2021	DATE: 10/13/2021
APPROVED BY: Eloy Rivalcoba, P.E. SUPERVISING ENGINEER 10/19/21			APPROVED BY: Noel Castillo, P.E. DEPUTY DIRECTOR 10/19/21		J.L. REF. J.L. 11727
FIELD CHANGES			W.D. NO. H14995	PLAN SCALE AS SHOWN	SHT. NO. 2
TOTAL SHEETS: 23			TOTAL SHEETS: 23		TOTAL SHEETS: 23



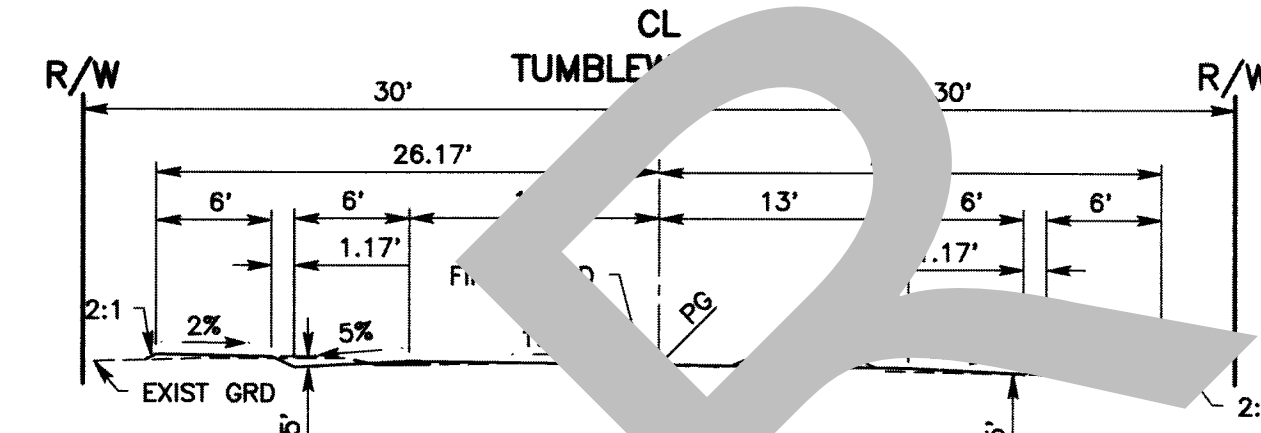
STA 30+63.93 TO 33+35.00



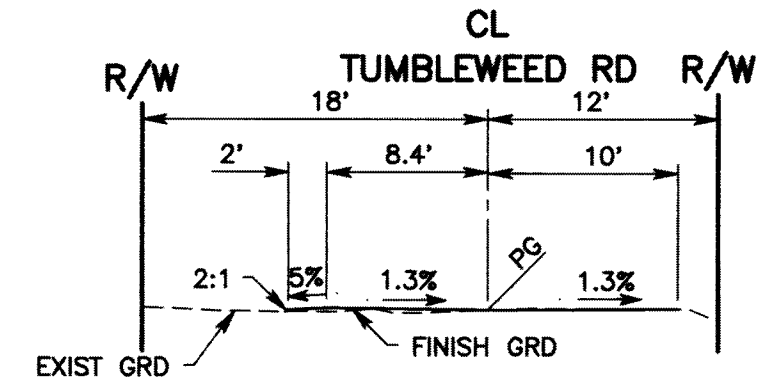
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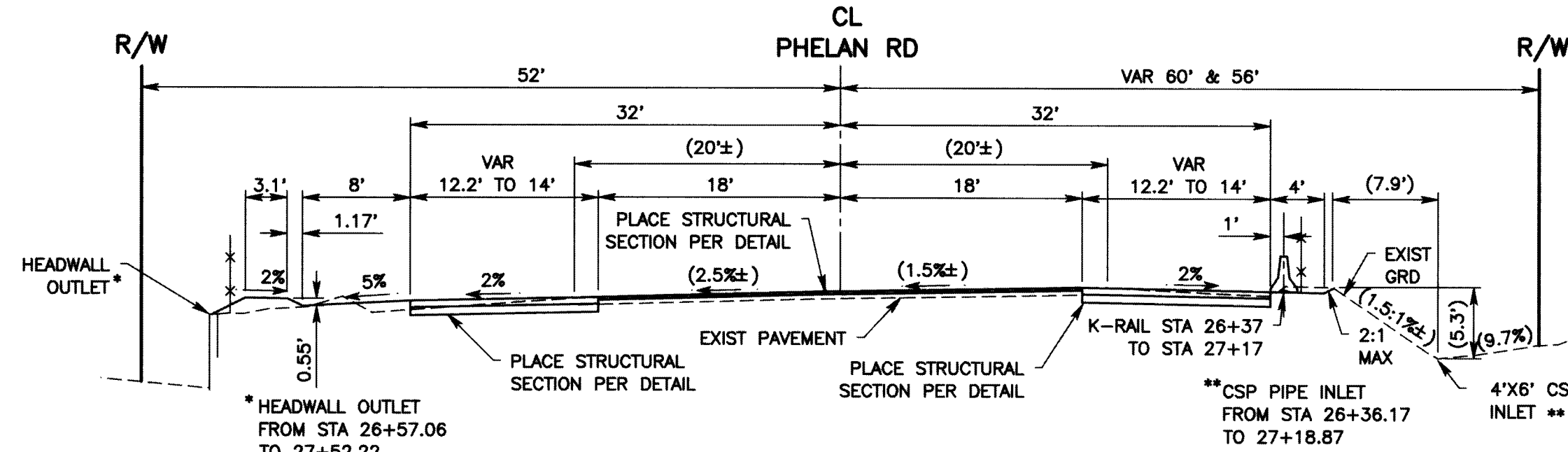
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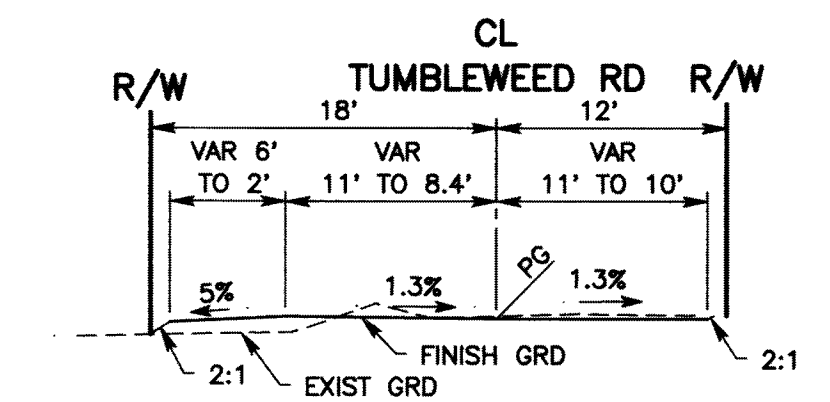
TUMBLEWEED ROAD



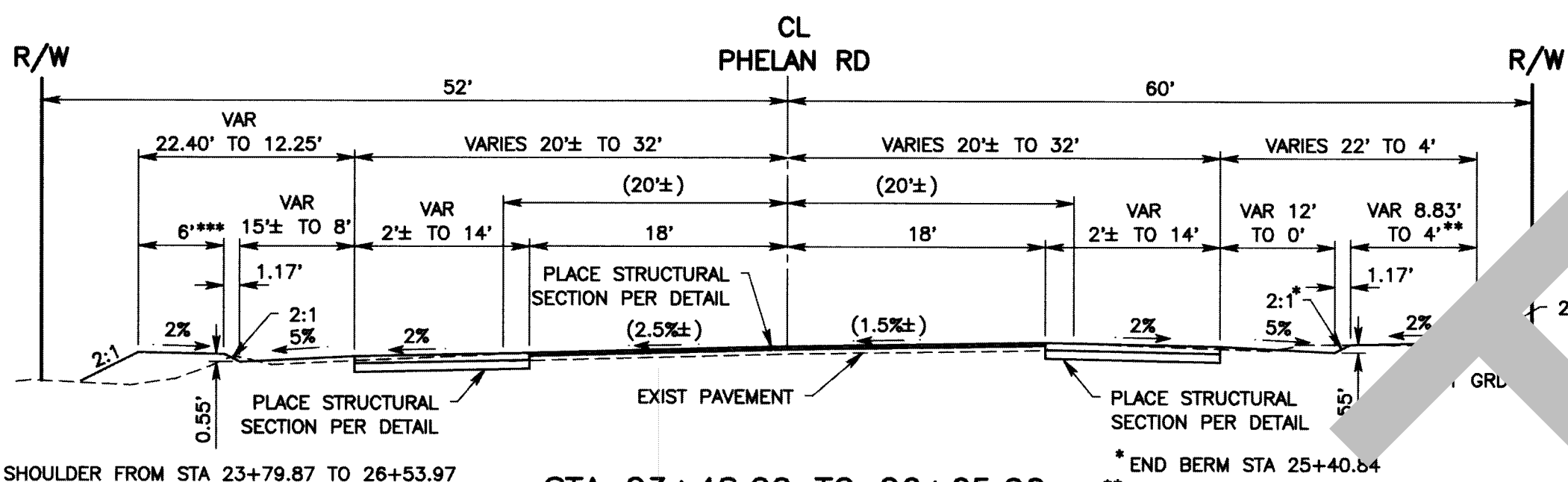
STA 86+00 END GRADING



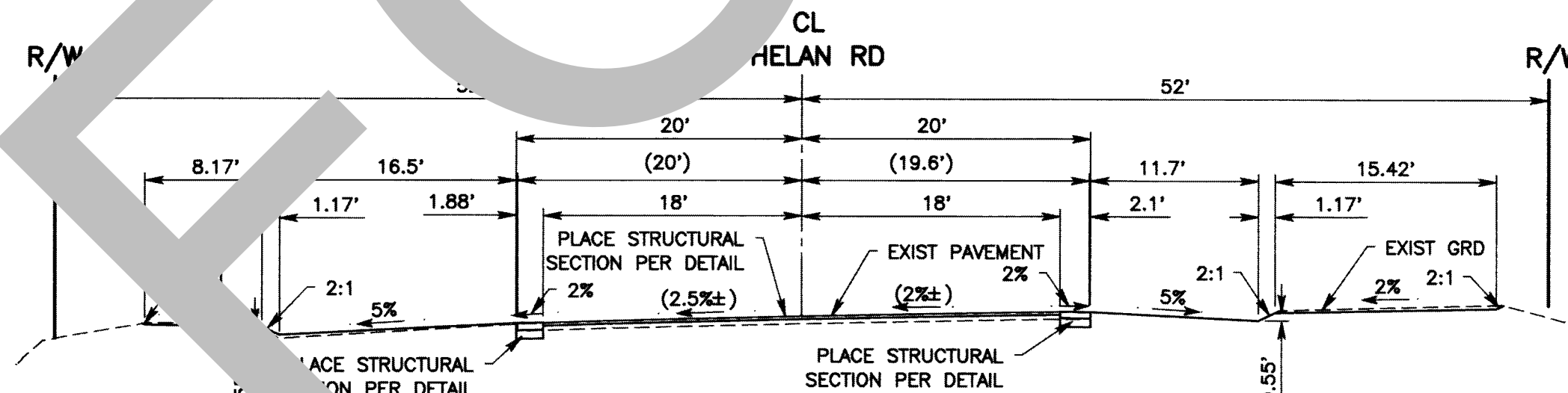
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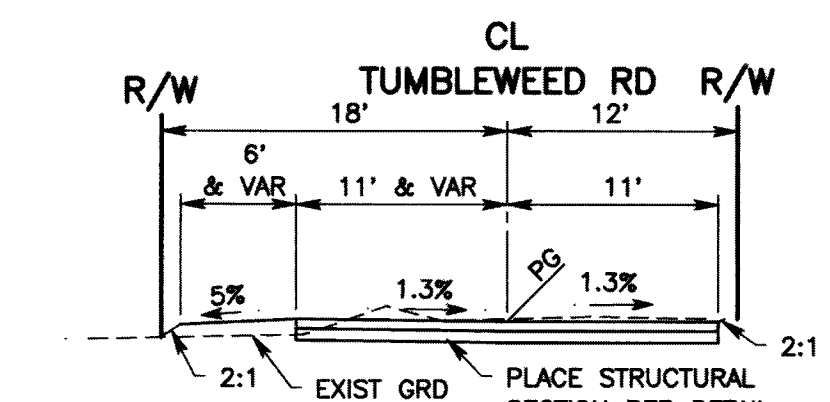
STA 85+67.52 BPR LT AHD TO 86+00



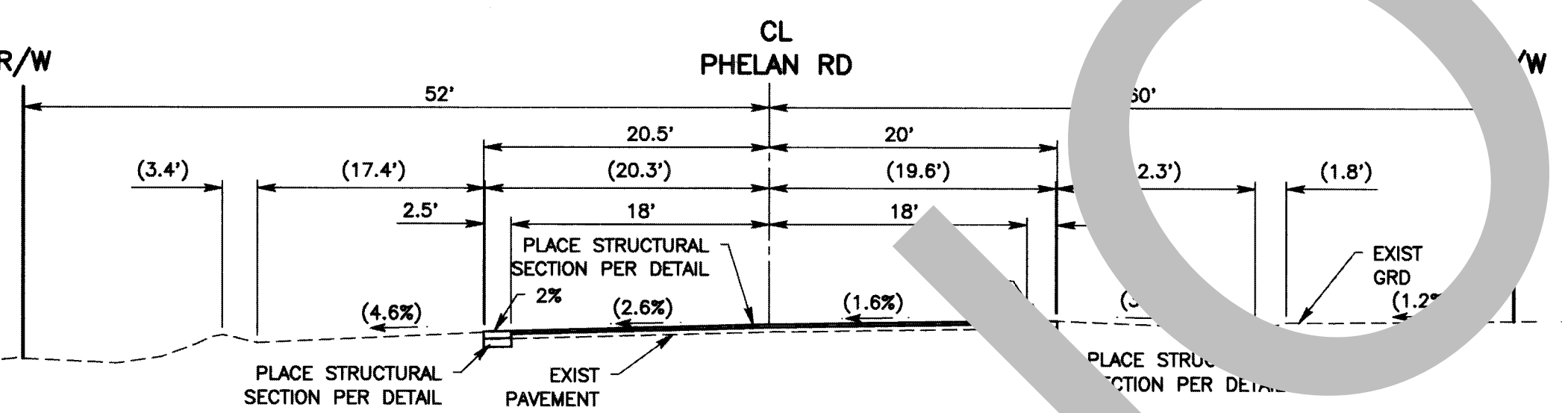
STA 23+48.00 TO 26+65.00



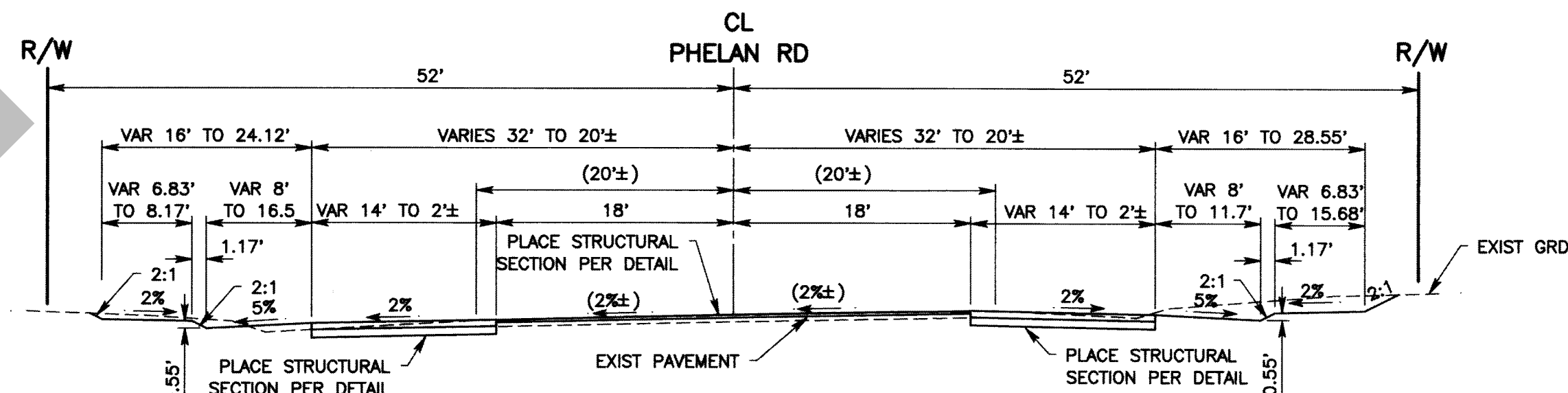
STA 36+49.26 END GRADING



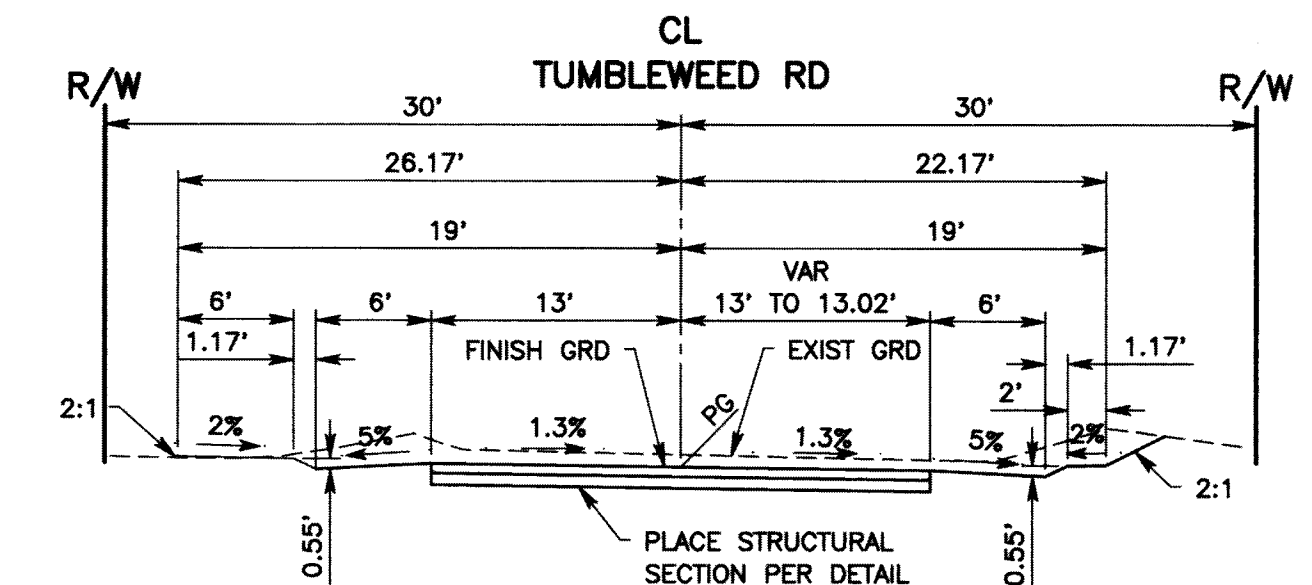
STA 85+56.88 EPR RT TO STA 85+67.52 BPR LT BK



STA 21+48.00



STA 33+35.00 TO 36+49.26



STA 84+18.23 BPR RT AHD TO 84+18.71 EPR LT

PHELAN ROAD
TYPICAL SECTION
NOT TO SCALE

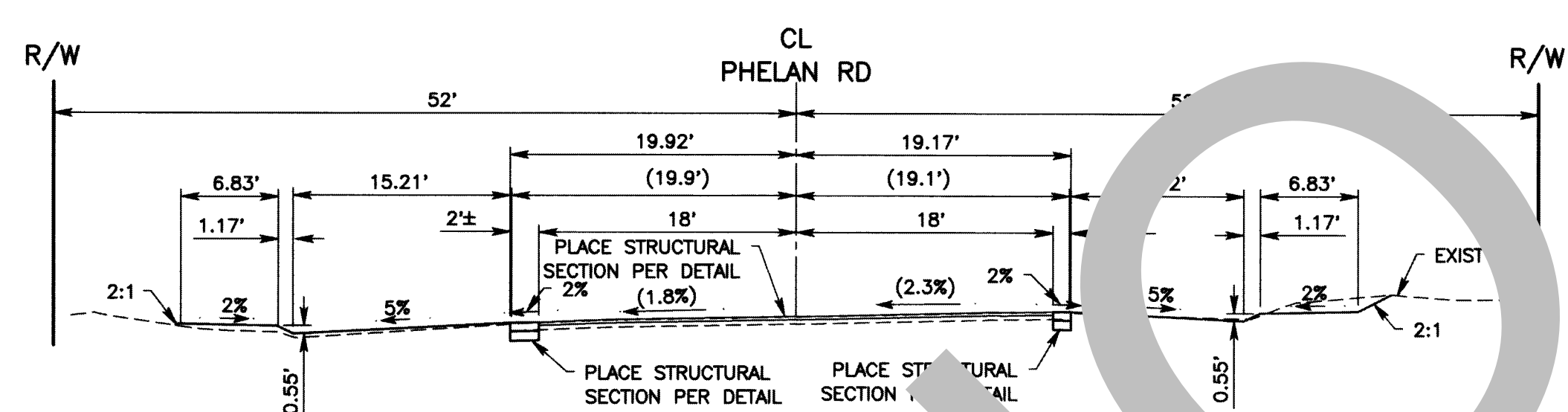
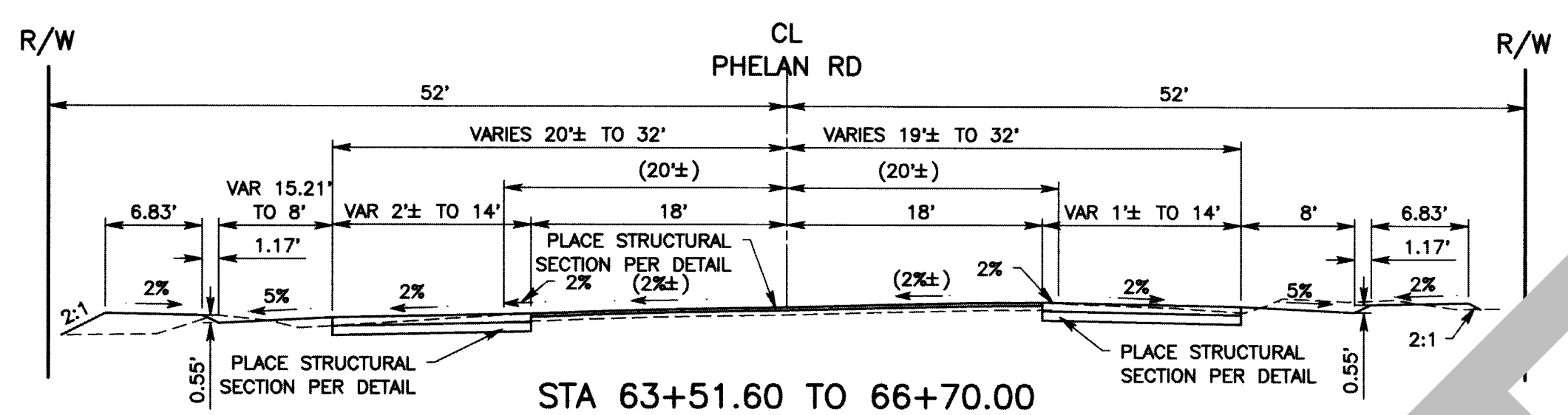
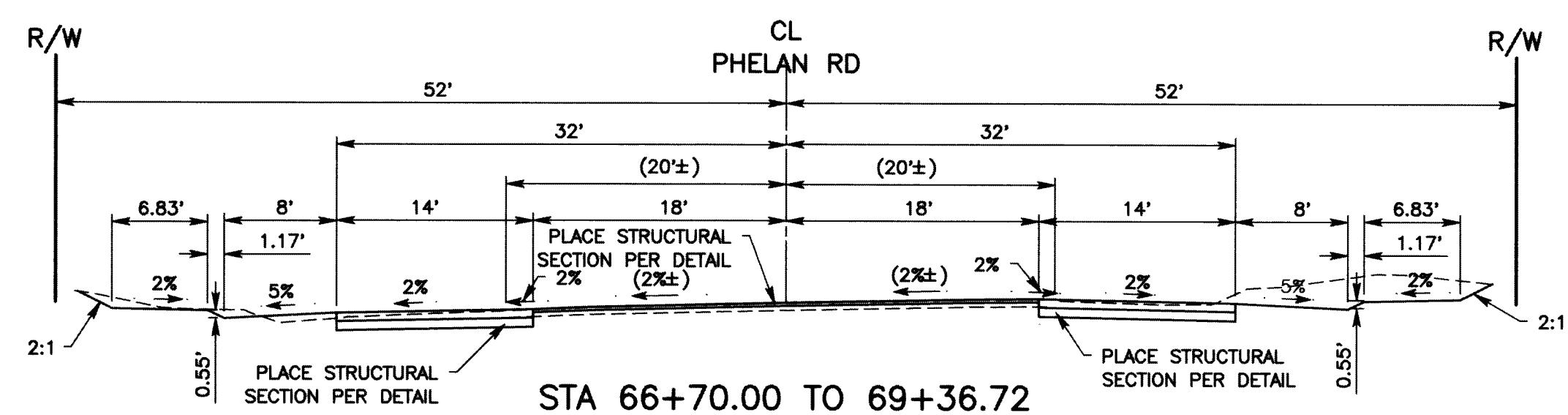
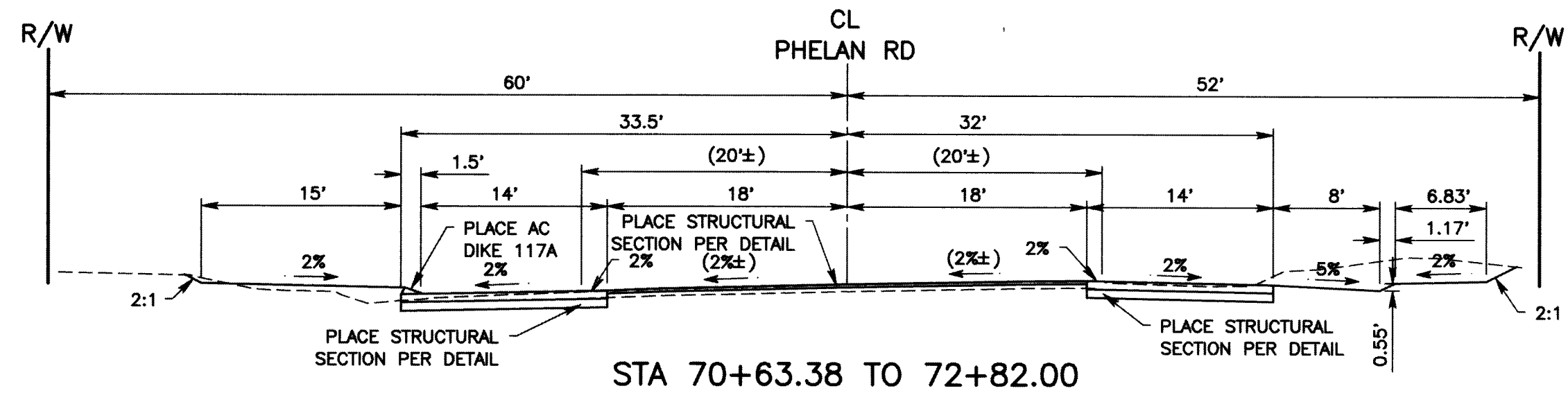
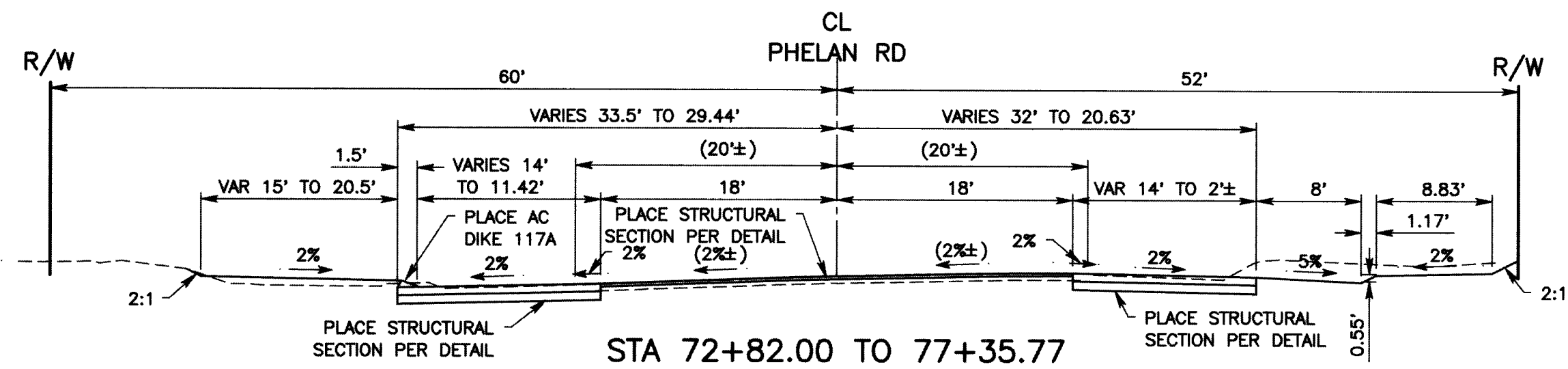
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	NO CHANGES		

FIELD CHANGES



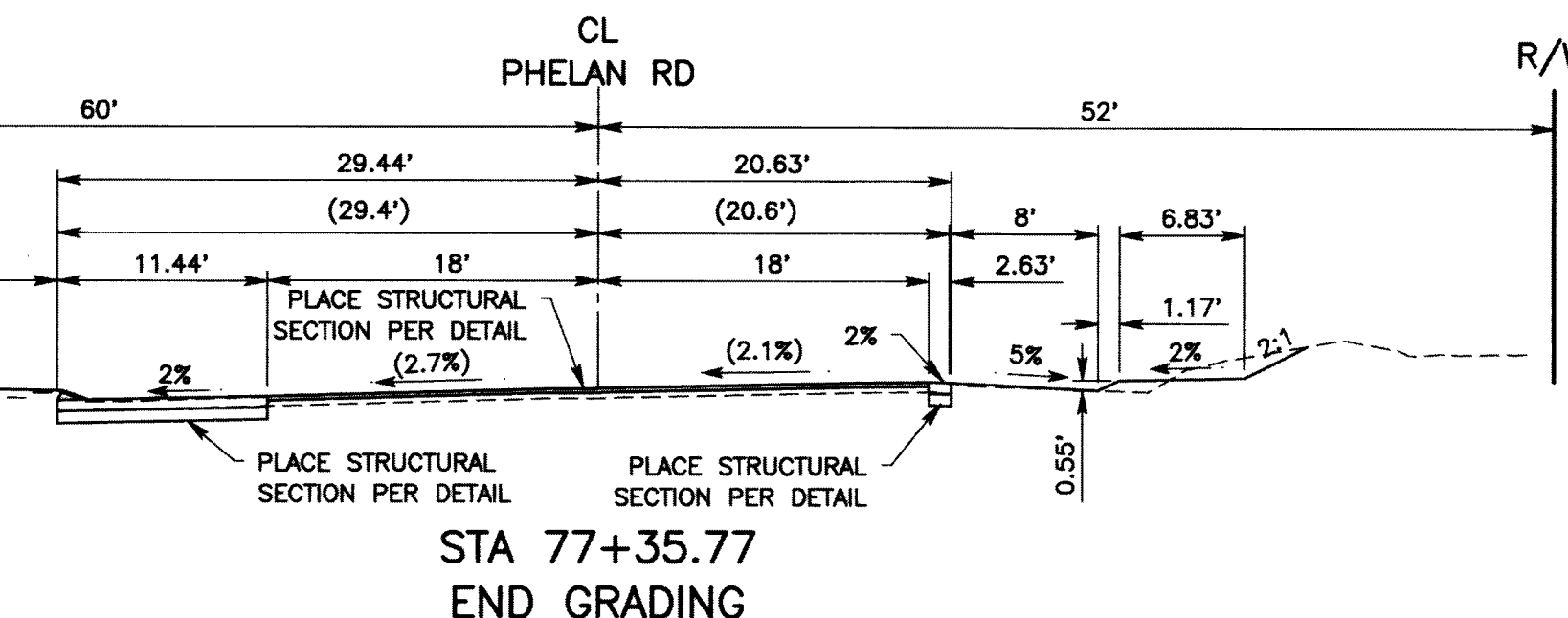
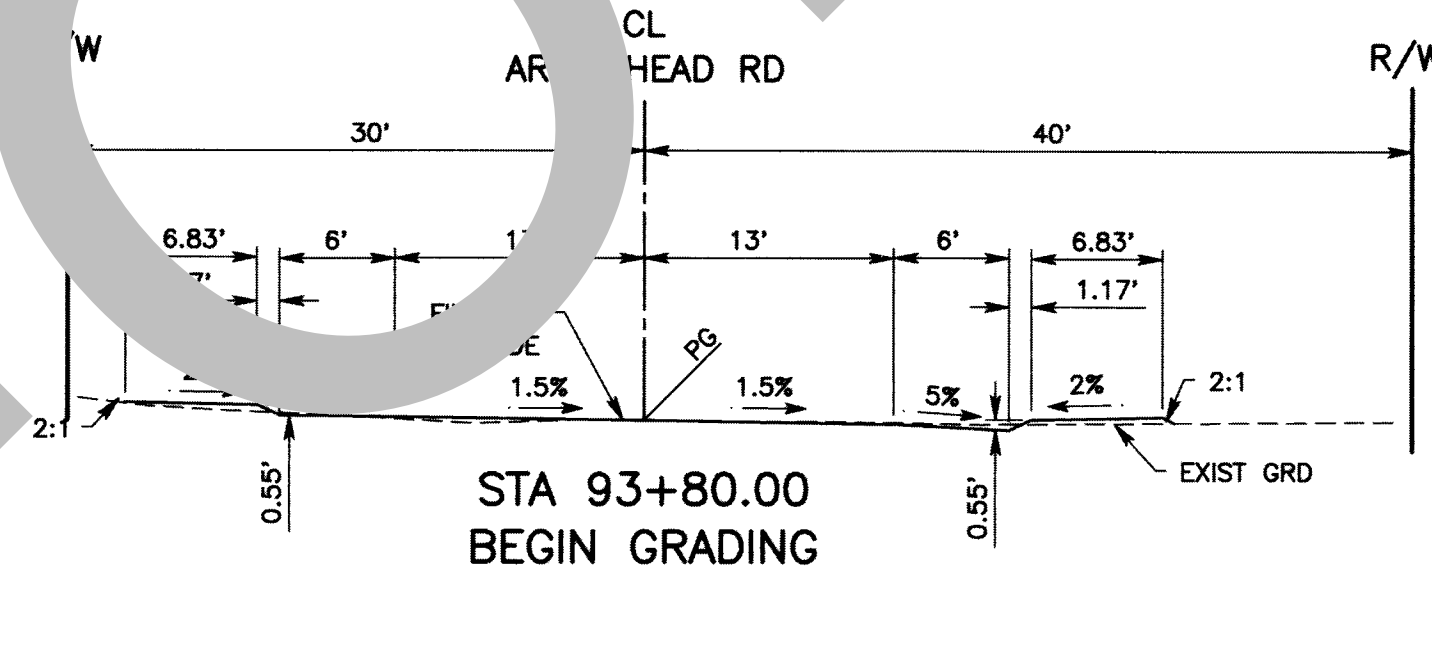
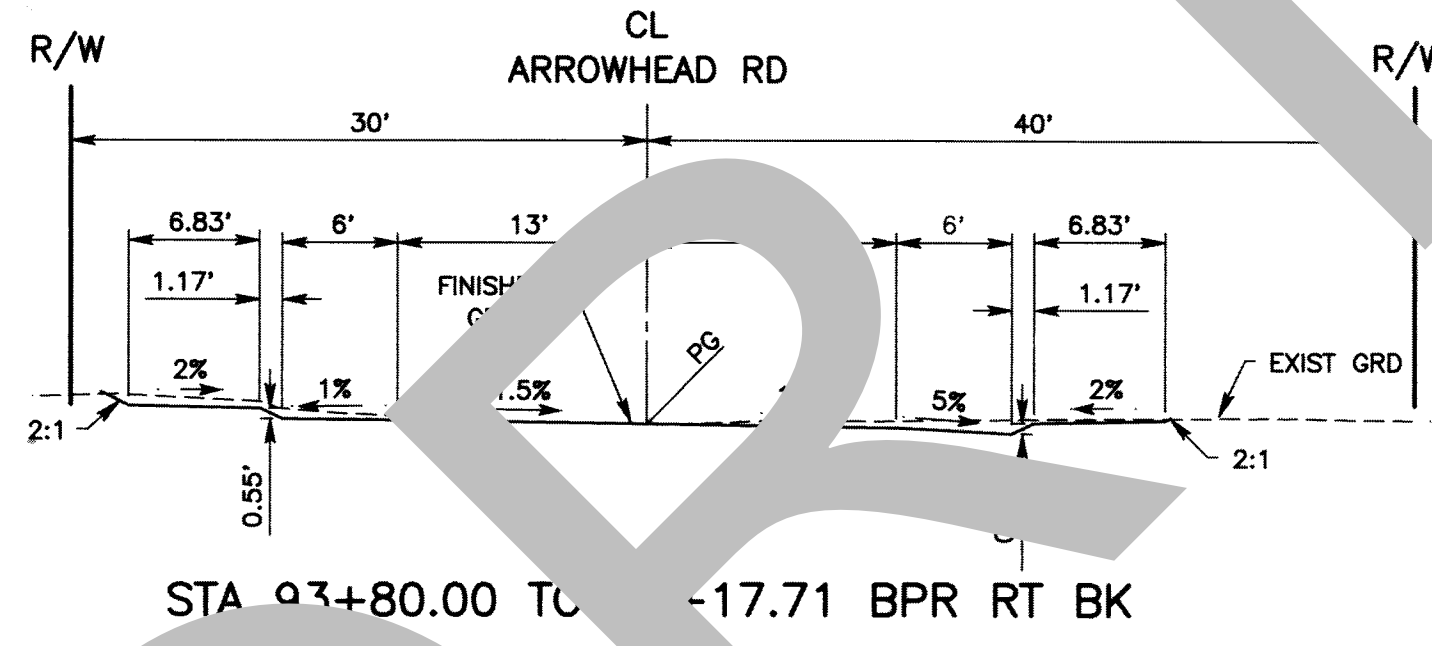
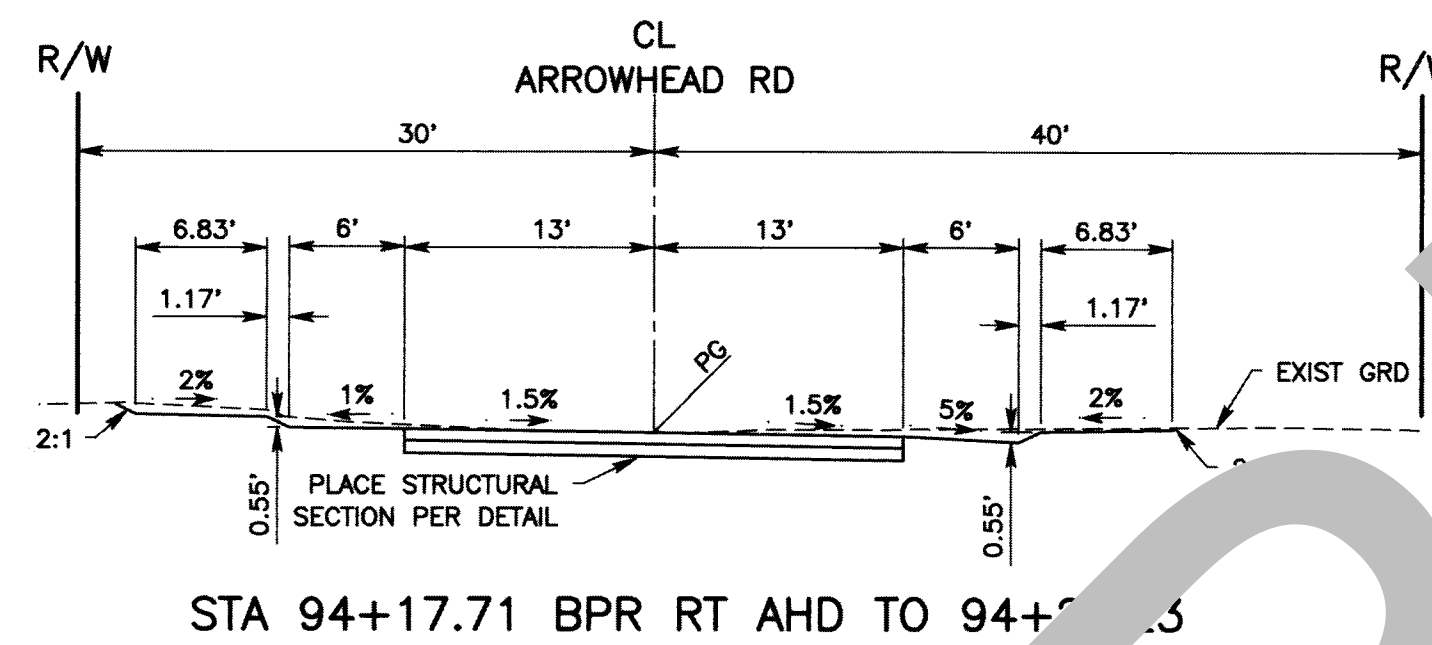
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY: WCH	DRAWN BY: WCH	CHECKED BY: DJ	RECOMMENDED BY: 10/13/21
APPROVED BY: 10/13/21			DATE: 10/13/21

PHELAN ROAD TYPICAL SECTIONS PHELAN AREA TUMBLEWEED ROAD				
J.L. REF. J.L. 11727	W.O. NO. H14995	PLAN SCALE AS SHOWN	SHT. NO. 5	TOT. SHTS. 23

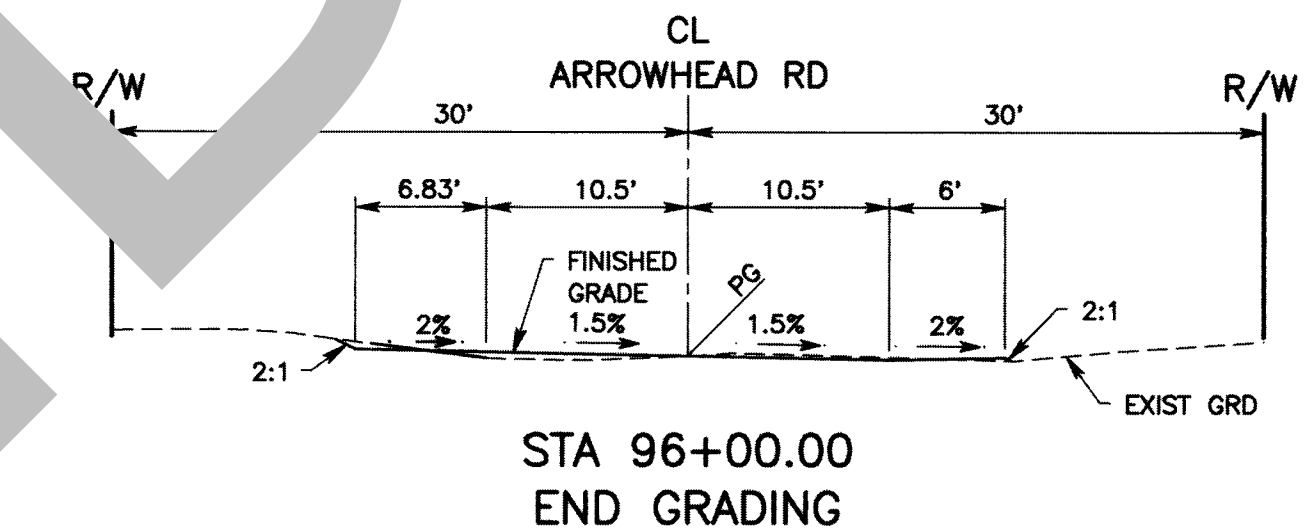


STA 63+51.60
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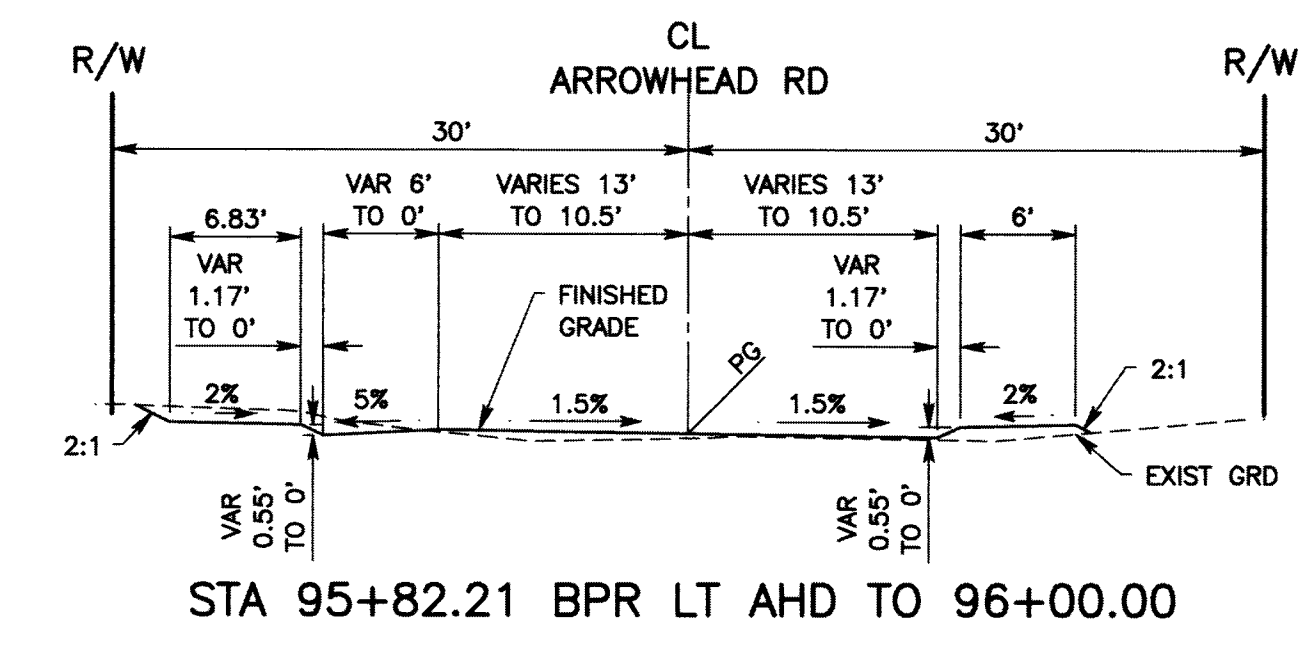
TYPICAL SECTIONS
NOT TO SCALE



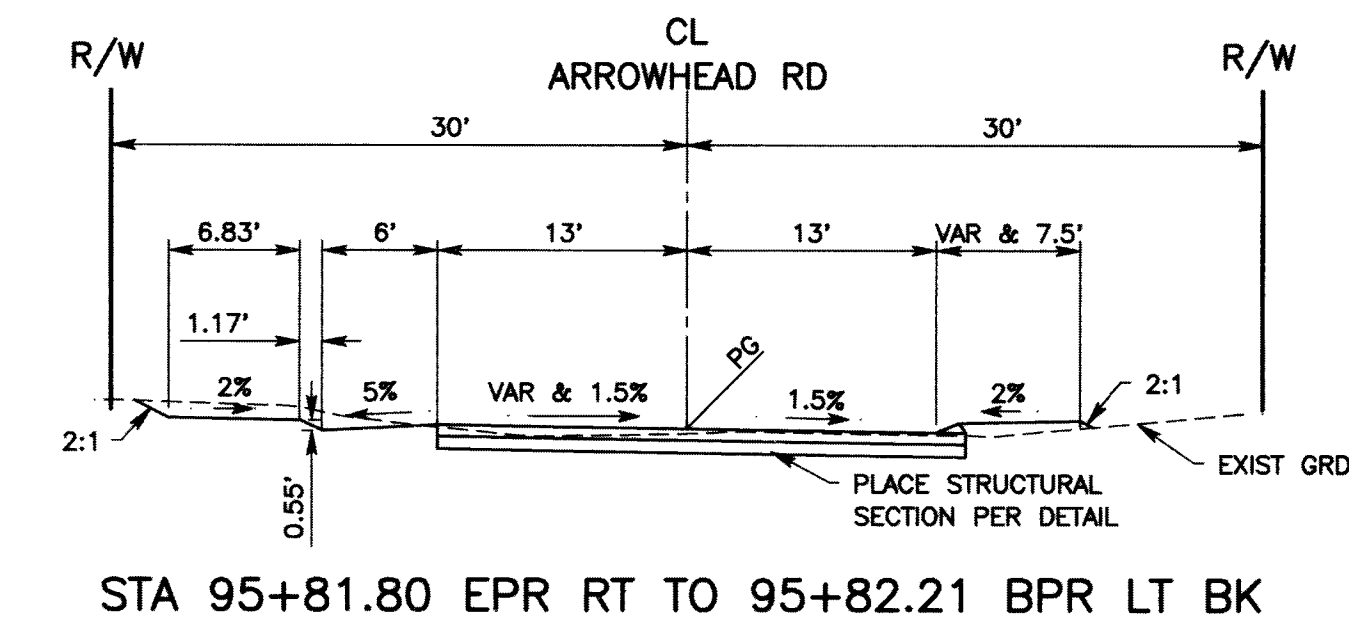
STA 77+35.77
END GRADING



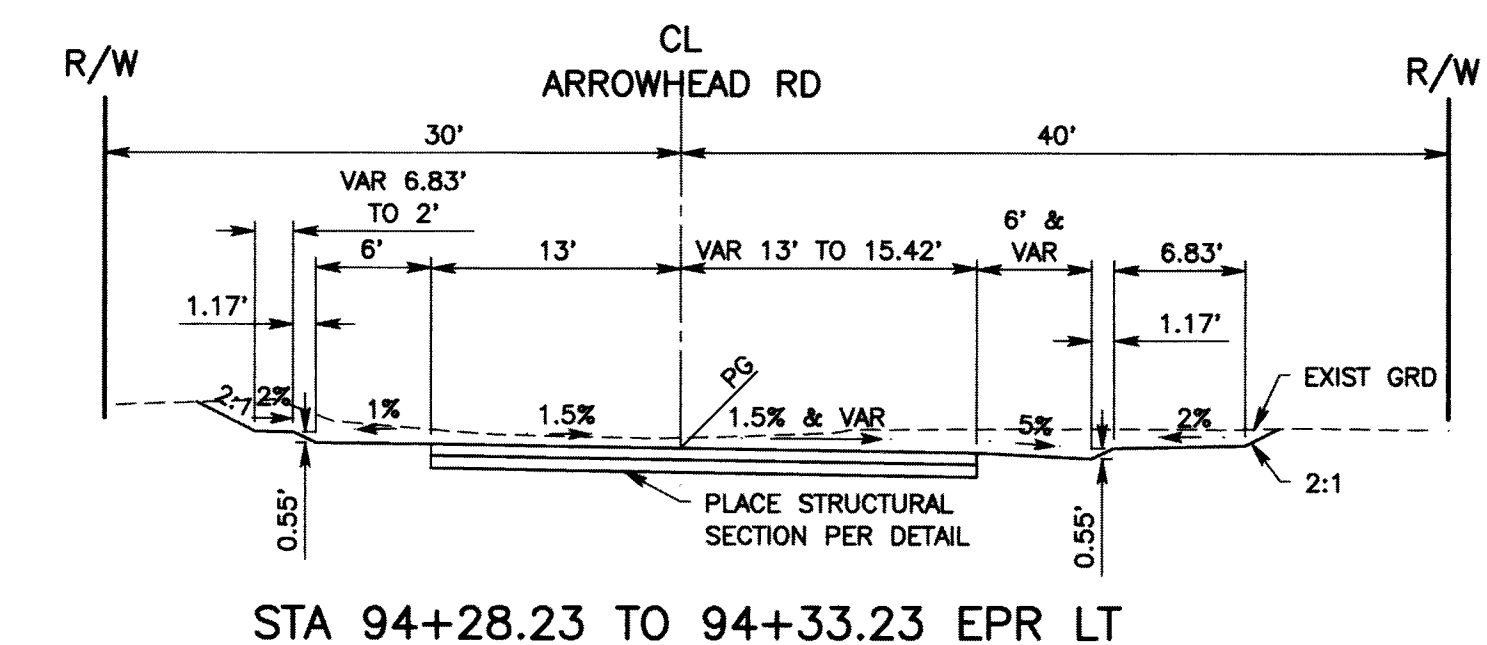
STA 96+00.00
END GRADING



STA 95+82.21 BPR LT AHD TO 96+00.00



STA 95+81.80 EPR RT TO 95+82.21 BPR LT BK

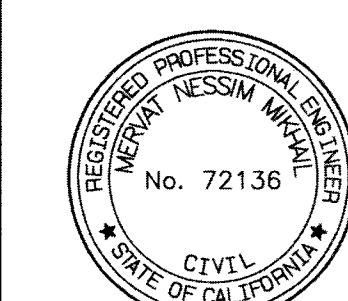


STA 94+28.23 TO 94+33.23 EPR LT

MARK	CHANGES	RESIDENT ENGINEER	DATE

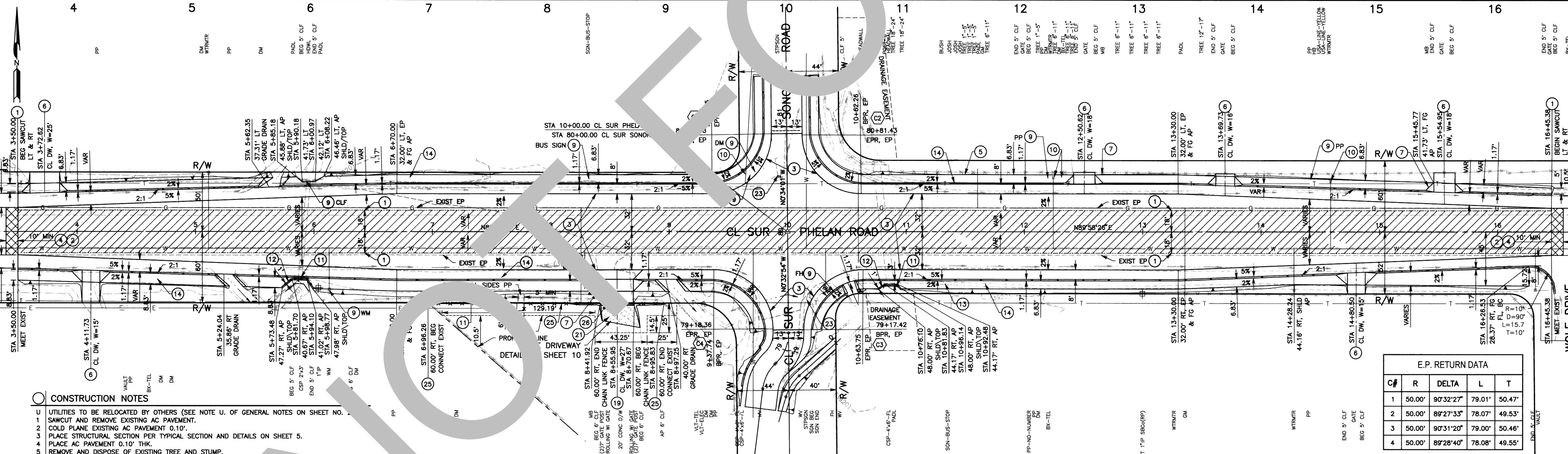
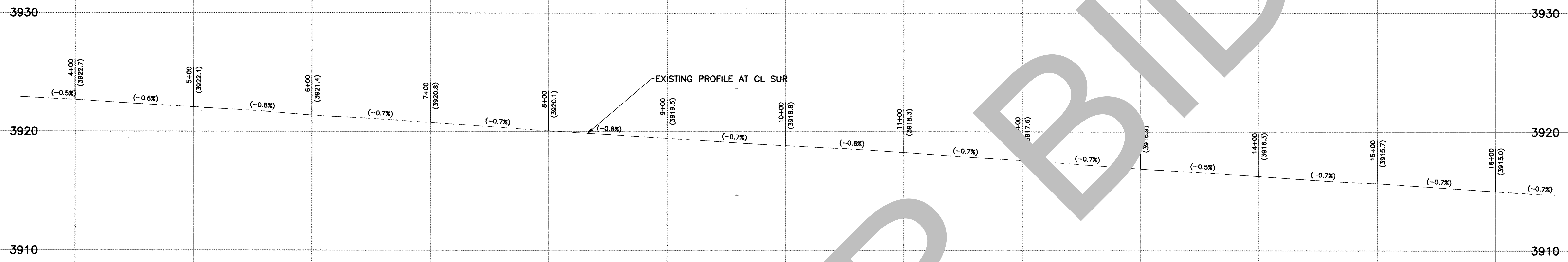
FILE NO. 651850-013

MARK	CHANGES	RESIDENT ENGINEER	DATE



COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY: WCH	DRAWN BY: WCH	CHECKED BY: DJ	RECOMMENDED BY: MERAT N. MIRZAEI, P.E. ENGINEERING MANAGER 10/13/21
APPROVED BY: ELOY RUVALCABA, P.E. SUPERVISING ENGINEER 10/14/21			DATE: 10/14/21

PHELAN ROAD TYPICAL SECTIONS PHELAN AREA ARROWHEAD ROAD				
J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L. 11727	H14995	NTS	7	23



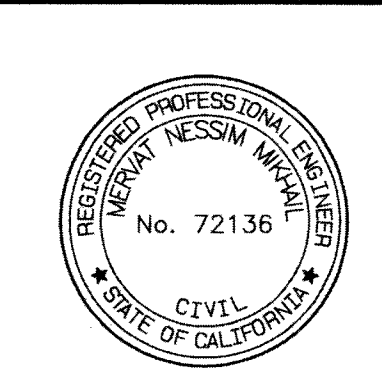
- CONSTRUCTION NOTES**
- UTILITIES TO BE RELOCATED BY OTHERS (SEE NOTE U. OF GENERAL NOTES ON SHEET NO. 1).
 - SANUCUT AND REMOVE EXISTING AC PAVEMENT.
 - COLD PLANE EXISTING AC PAVEMENT 0.10".
 - PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 5.
 - PLACE AC PAVEMENT 0.10" THK.
 - REMOVE AND DISPOSE OF EXISTING TREE AND STUMP.
 - CONSTRUCT DIRT DRIVEWAY APPROACH PER DETAIL ON SHEET 6.
 - REMOVE AND RELOCATE EXISTING MAILBOX PER SD-1.
 - PROTECT IN PLACE.
 - ADJUST UTILITY TO GRADE.
 - REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE.
 - INSTALL CHAIN LINK FENCE TYPE CL-5 PER CALTRANS STANDARD PLAN A85.
 - FINISH GRADE PER TYPICAL SECTIONS ON SHEET 5 & 6.
 - PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 5.
 - CONSTRUCT AC DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4 AND DRIVEWAY DETAILS ON SHEET 10.
 - CONSTRUCT CONCRETE (PCC) 4" THK. DRIVEWAY PER DETAIL ON SHEET 10.
 - REMOVE AND RELOCATE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.
 - CONSTRUCT SIDE DRAIN PER DETAILS ON SHEET 4.
 - INSTALL CHAIN LINK FENCE TYPE CL-6 PER CALTRANS STANDARD PLAN A85.
 - RELOCATE EXISTING 28" ROLLING WROUGHT IRON GATE.

E.P. RETURN DATA

C#	R	DELTA	L	T
1	50.00'	90°32'27"	79.01'	50.47'
2	50.00'	89°27'33"	78.07'	49.53'
3	50.00'	90°31'20"	79.00'	50.46'
4	50.00'	89°28'40"	78.08'	49.55'

FIELD CHANGES

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		



SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

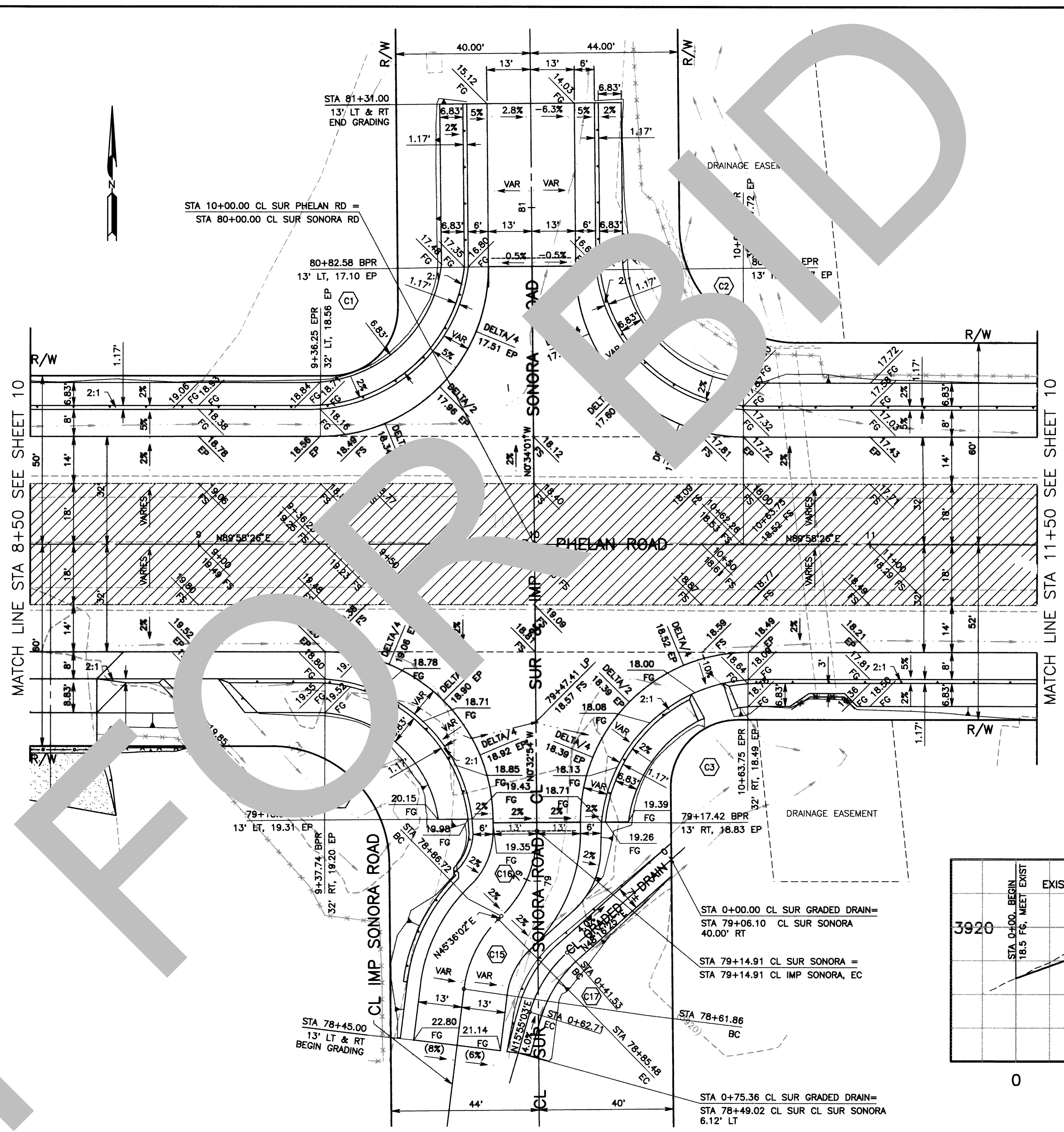
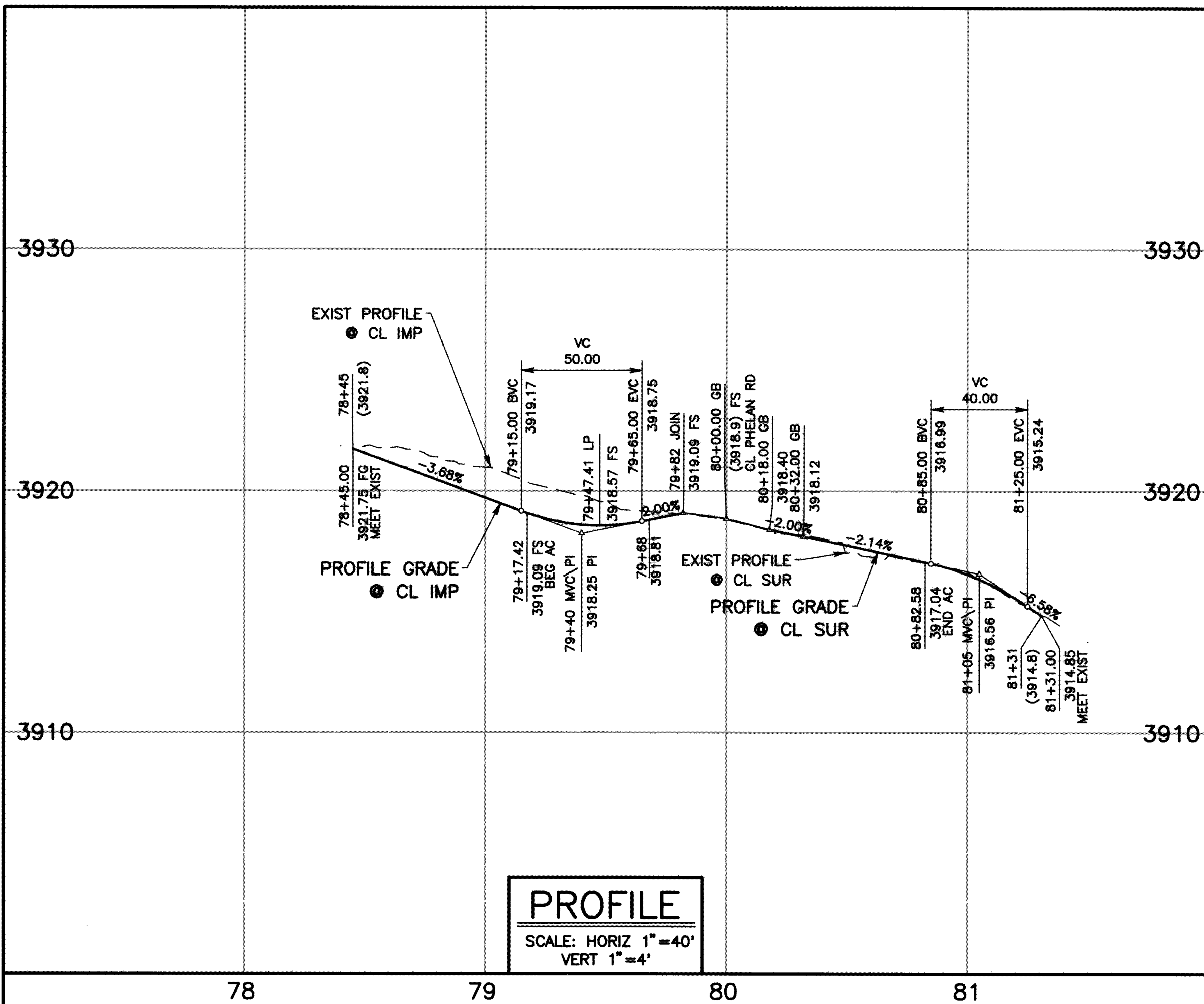
DESIGNED BY: WCH DRAWN BY: WCH CHECKED BY: DJ RECOMMENDED BY: [Signature] 10/13/21

APPROVED BY: [Signature] 10/14/21

ELOY RIVALCABA, P.E. SUPERVISING ENGINEER NOEL CASTILLO, P.E. DEPUTY DIRECTOR

PHELAN ROAD PLAN & PROFILE PHELAN AREA SONORA ROAD

J.L. REF.	W.D. NO.	PLAN SCALE	SHT. NO.	TOT. SHT'S.
J.L. 11727	H14995	1"=40'	8	23

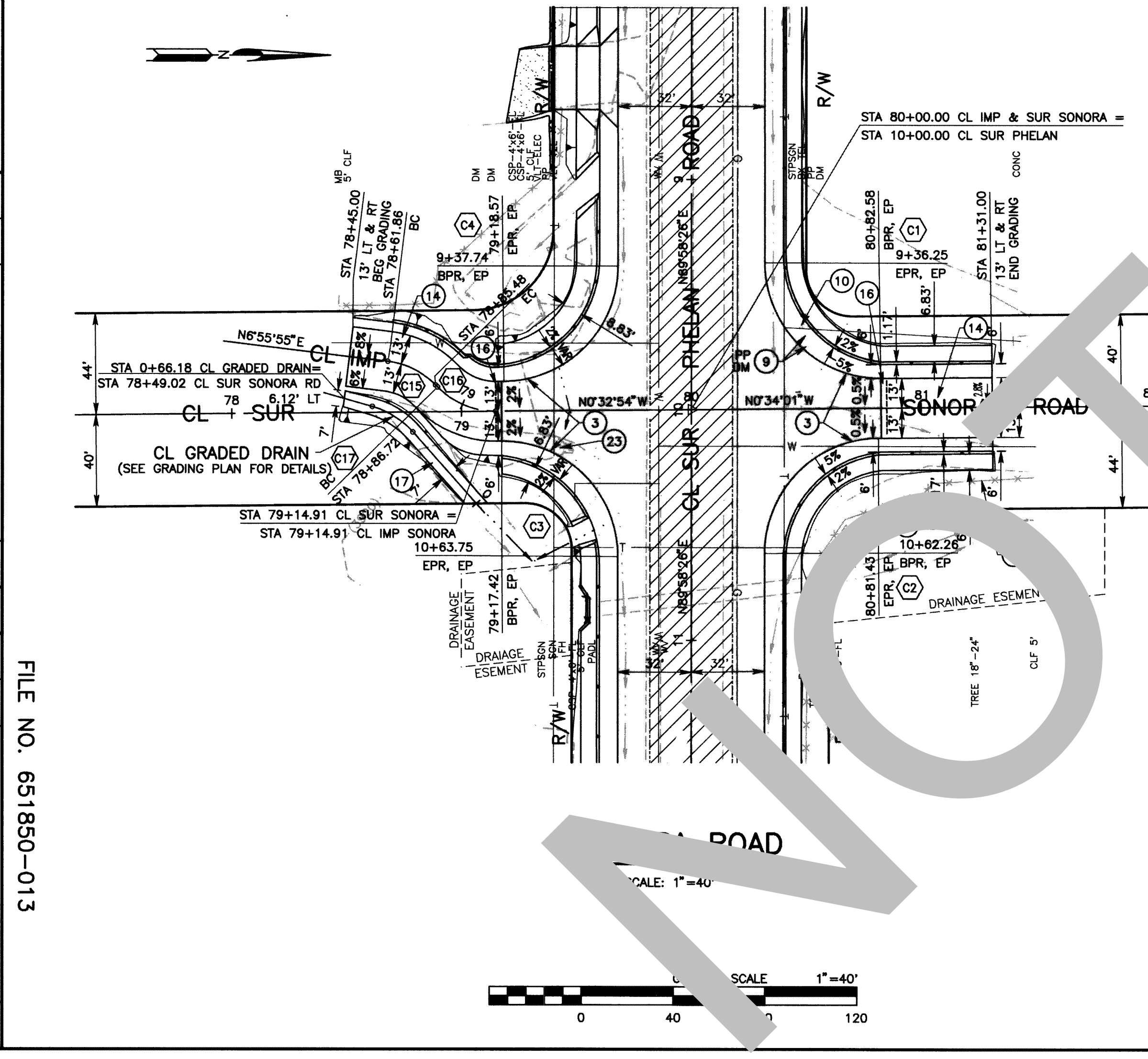
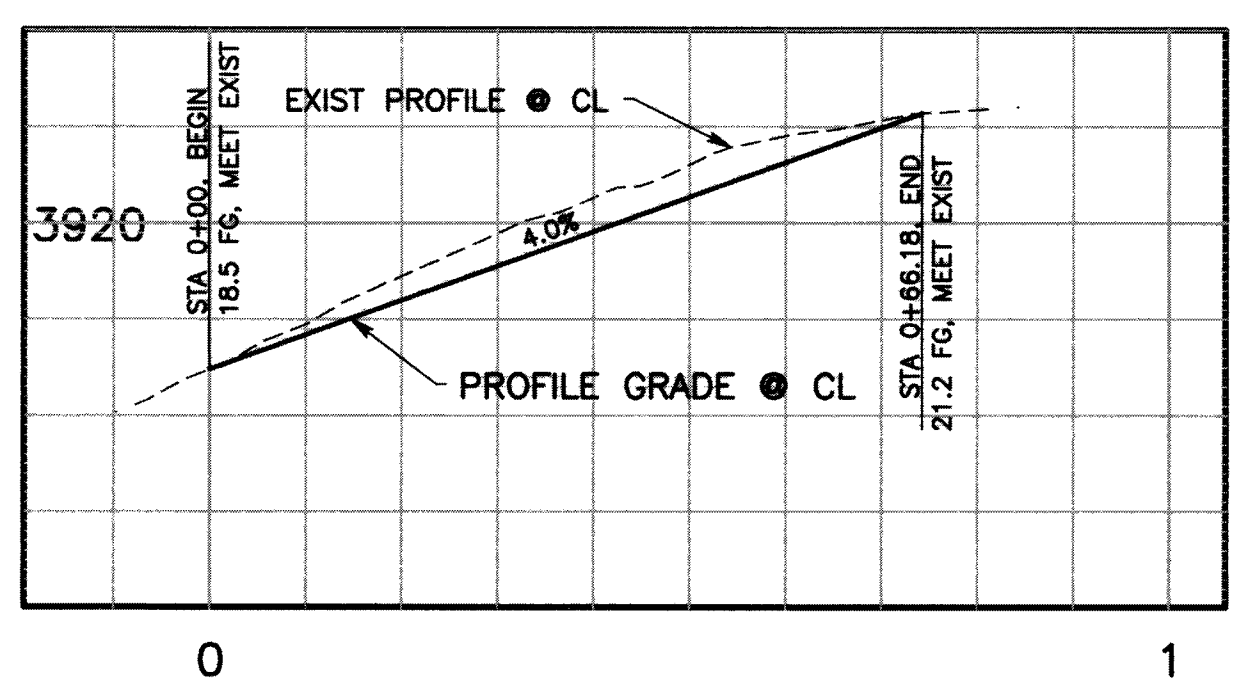


ALIGNMENT CURVE DATA

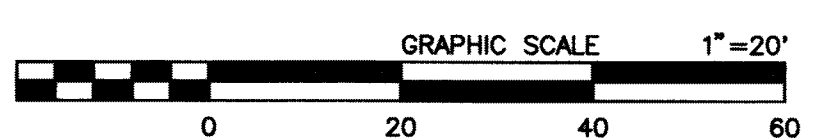
C#	RADIUS	LENGTH	DELTA	TANGENT
15	35.00'	23.62'	38°40'06"	12.28
16	35.00'	28.19'	46°08'55"	14.91
17	37.50'	21.18'	32°21'22"	10.88

E.P. RETURN DATA

C#	R	DELTA	L	T
1	50.00'	90°32'27"	79.01'	50.47'
2	50.00'	89°27'33"	78.07'	49.53'
3	50.00'	90°31'20"	79.00'	50.46'
4	50.00'	89°28'40"	78.08'	49.55'



- CONSTRUCTION NOTES**
- PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEETS 3 & 4.
 - PROTECT IN PLACE.
 - ADJUST UTILITY TO GRADE.
 - FINISH GRADE PER TYPICAL SECTIONS ON SHEETS 3 & 4.
 - CONSTRUCT AC CUT-OFF WALL PER DETAIL ON SHEET 4.
 - CONSTRUCT GRADED DRAINAGE DITCH PER INTERSECTION GRADING DETAIL AND DETAIL ON SHEET 4.
 - REMOVE AND RELOCATE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.



FILE NO. 651850-013

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES

SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: WCH
DRAWN BY: WCH
CHECKED BY: DJ
RECOMMENDED BY: *[Signature]* 10/13/21
DATE: 10/13/21

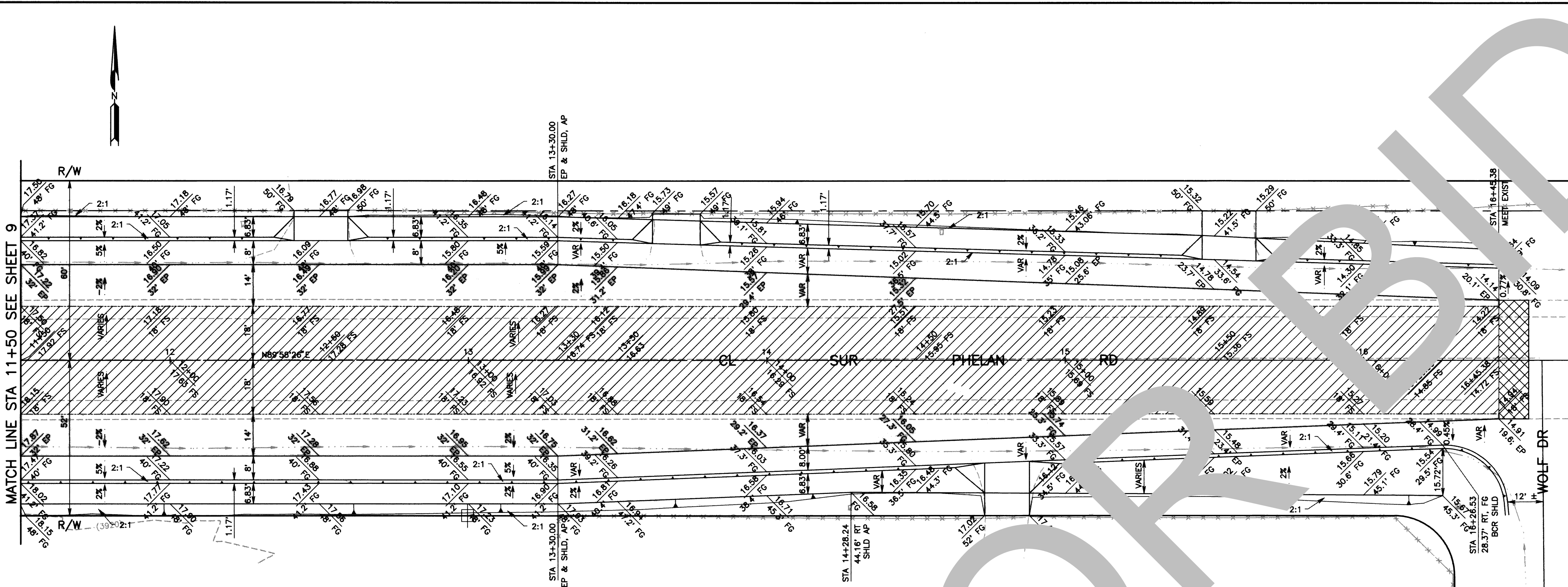
APPROVED BY: *[Signature]* 10/14/21
DATE: 10/14/21

ELOY RIVALLADA, P.E.
SUPERVISING ENGINEER

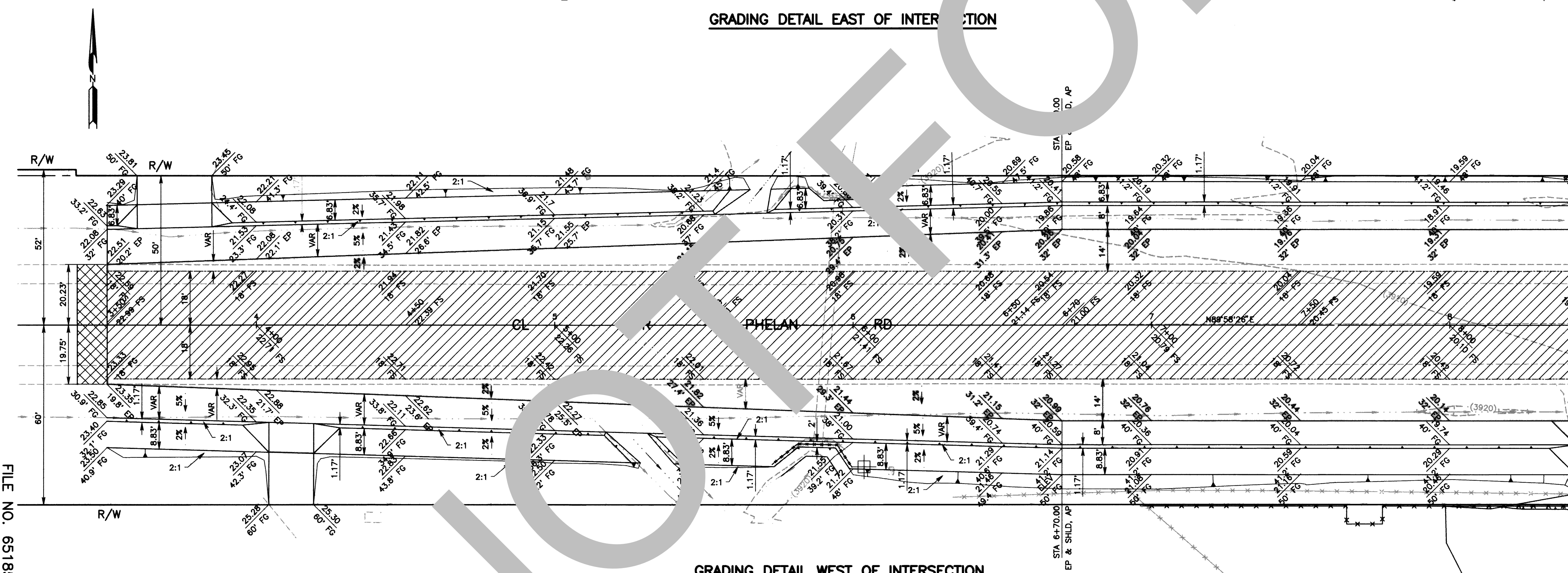
NOEL CASTILLO, P.E.
DEPUTY DIRECTOR

SONORA ROAD
PLAN & PROFILE
PHELAN AREA
SONORA ROAD

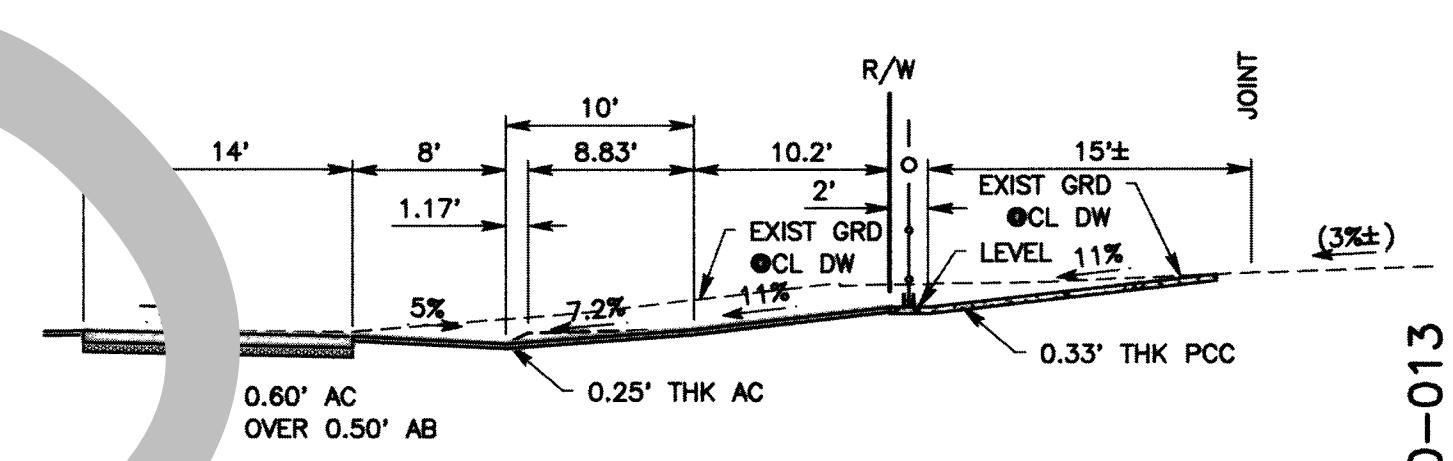
J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHTS.
J.L. 11727	H14995	1"=40'	9	23



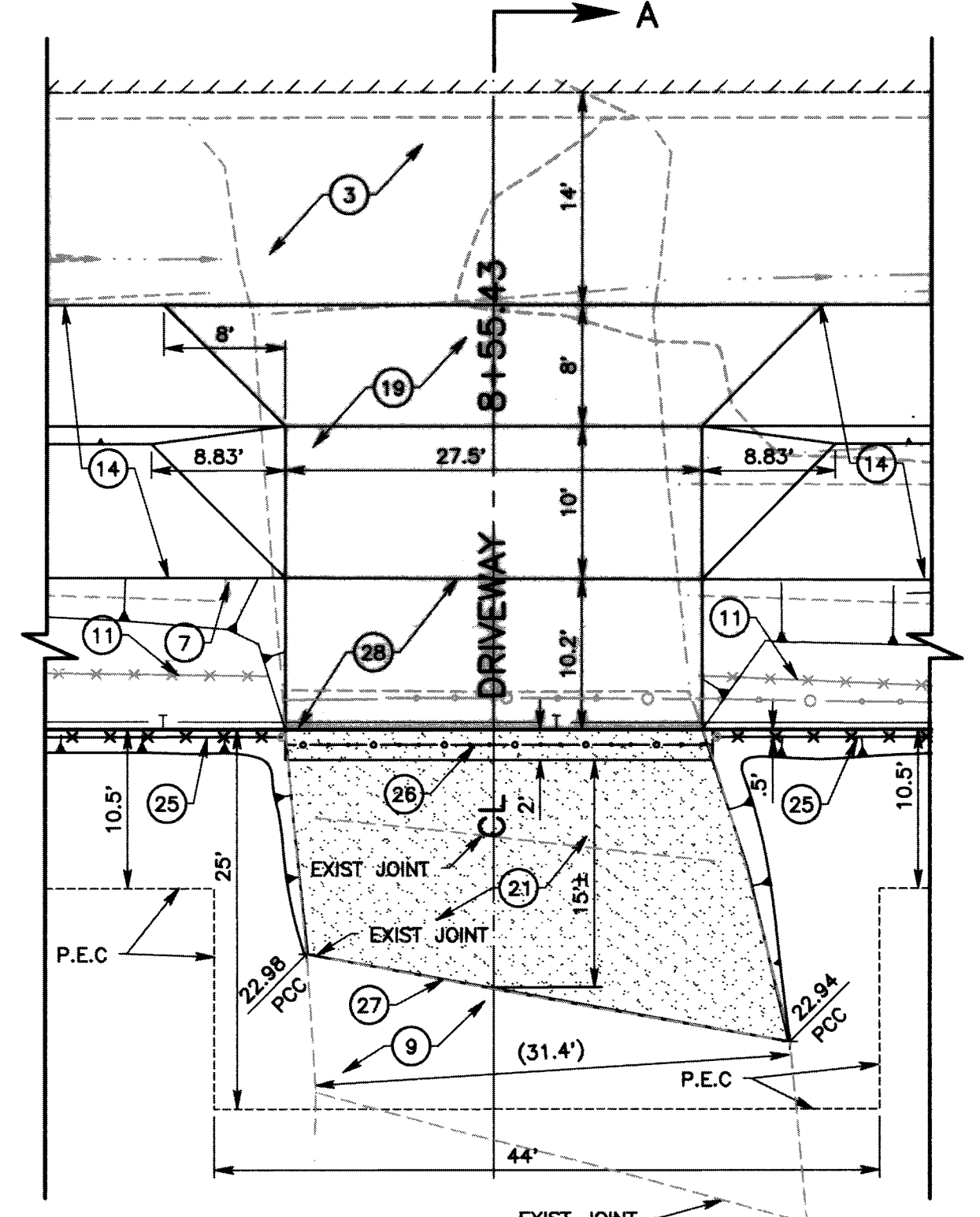
GRADING DETAIL EAST OF INTERSECTION



GRADING DETAIL WEST OF INTERSECTION



SECTION A-A
SCALE: HOR 1"=10'
VERT 1"=10'



PLAN
SCALE: 1"=10'
DRIVEWAY DETAIL
STATION 8+55.43

- CONSTRUCTION NOTES
- 3 PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS.
 - 7 REMOVE AND RELOCATE EXISTING MAILBOX PER SD-1.
 - 9 PROTECT IN PLACE.
 - 11 REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE.
 - 14 FINISH GRADE PER TYPICAL SECTIONS.
 - 19 CONSTRUCT AC DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
 - 21 CONSTRUCT CONCRETE (PCC) 4" THK. DRIVEWAY.
 - 25 INSTALL CHAIN LINK FENCE TYPE CL-6 PER CALTRANS STANDARD PLAN ABS.
 - 26 RELOCATE EXISTING 28" ROLLING WROUGHT IRON GATE.
 - 27 SAWCUT AND REMOVE EXISTING CONCRETE.
 - 28 PLACE 0.25' THK. AC PAVEMENT DRIVEWAY.

MARK	REVISIONS	DATE	APPR.

MARK	REVISIONS	DATE	APPR.

FILE NO. 651850-013

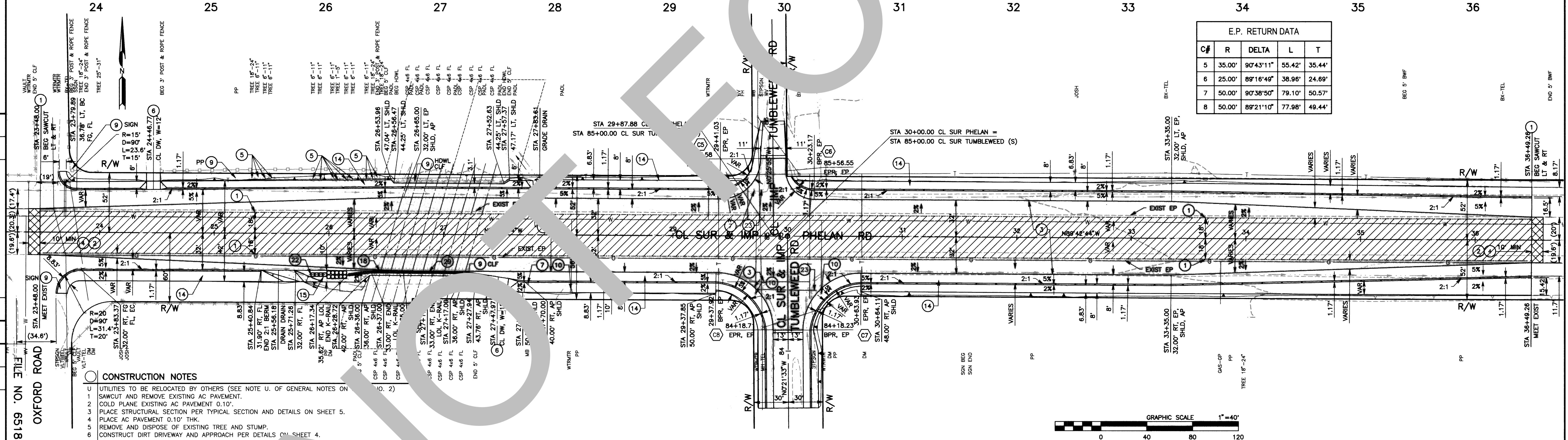
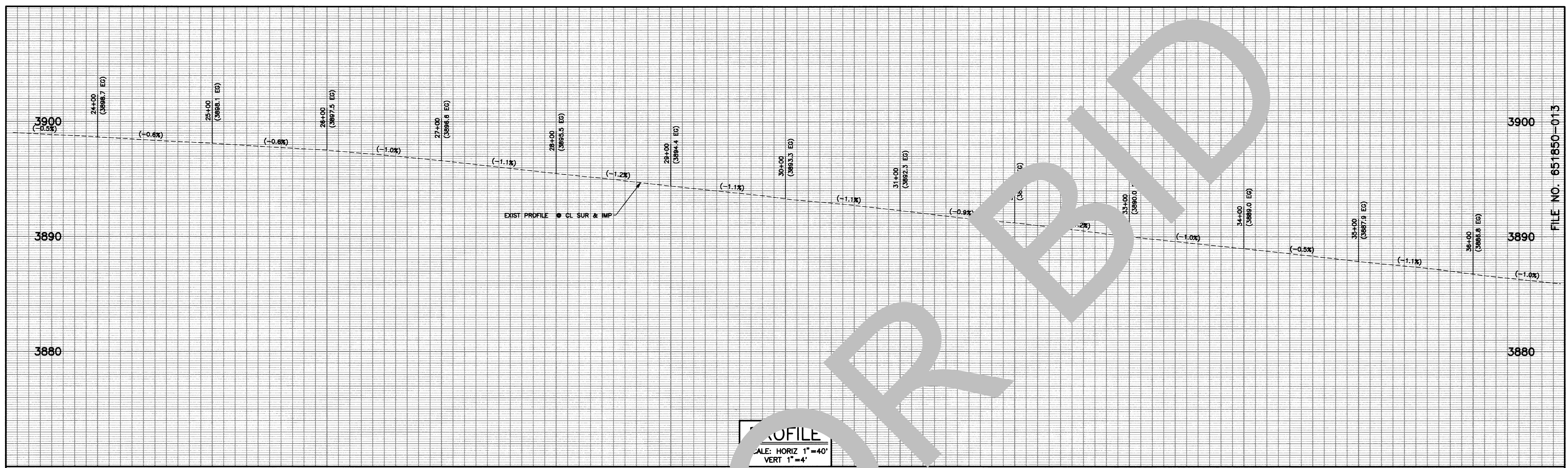
MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES



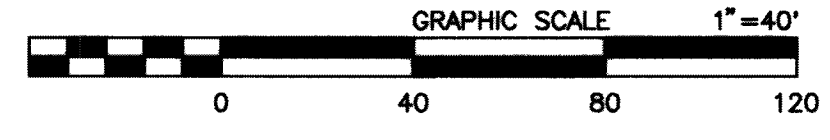
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY: WCH	DRAWN BY: WCH	CHECKED BY: DJ	RECOMMENDED BY: 10/13/21 DATE
APPROVED BY: 10/15/21 DATE			

PHELAN ROAD GRADING DETAIL PHELAN AREA SONORA ROAD				
J.L. REF. J.L. 11727	W.O. NO. H14995	PLAN SCALE 1"=20'	SHT. NO. 10	TOT. SHTS. 23



E.P. RETURN DATA				
C#	R	DELTA	L	T
5	35.00'	90°43'11"	55.42'	35.44'
6	25.00'	89°16'49"	38.98'	24.69'
7	50.00'	90°38'50"	79.10'	50.57'
8	50.00'	89°21'10"	77.98'	49.44'

- CONSTRUCTION NOTES**
- UTILITIES TO BE RELOCATED BY OTHERS (SEE NOTE U. OF GENERAL NOTES ON SAWCUT AND REMOVE EXISTING AC PAVEMENT.
 - COLD PLANE EXISTING AC PAVEMENT 0.10".
 - PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 5.
 - PLACE AC PAVEMENT 0.10" THK.
 - REMOVE AND DISPOSE OF EXISTING TREE AND STUMP.
 - CONSTRUCT DIRT DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
 - REMOVE AND RELOCATE EXISTING MAILBOX PER SD-1.
 - PROTECT IN PLACE.
 - ADJUST UTILITY TO GRADE.
 - FINISH GRADE PER TYPICAL SECTIONS.
 - INSTALL TEMPORARY CRASH CUSHION MODULES (ARRAY U14) PER CALTRANS STANDARD PLAN A77N4 AND A87B.
 - CONSTRUCT AC CUT-OFF WALL PER DETAIL ON SHEET 4.
 - TEMPORARY RAILING TYPE K (K-RAIL) PER CALTRANS STANDARD PLAN A77N4 AND A87B.
 - CONSTRUCT AC DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
 - CONSTRUCT DIRT DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
 - PLACE AC DIKE PER CALTRANS STANDARD PLAN A77N4 AND A87B.
 - INSTALL MARKER PER CA MUTCD FIGURE 2C-13 (CA), TYPE P (CA).
 - REMOVE AND RELOCATE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.
 - INSTALL CONCRETE BARRIER DELINEATION PER CA MUTCD, FIGURE 3F-105(CA).



MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES



SAN BERNARDINO COUNTY
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: WCH	DRAWN BY: WCH	CHECKED BY: DJ	RECOMMENDED BY: Mervat N. Mikhail, P.E. 10/13/21 ENGINEERING MANAGER
APPROVED BY: Eloy Rivalcaba, P.E. 10/13/21 SUPERVISING ENGINEER			APPROVED BY: Noel Castillo, P.E. 10/13/21 DEPUTY DIRECTOR

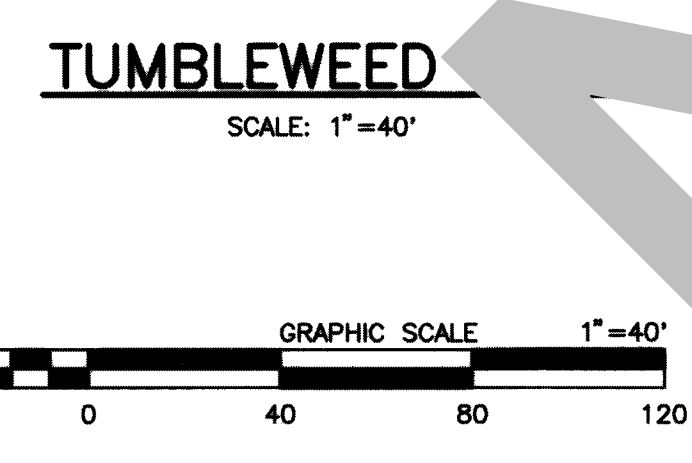
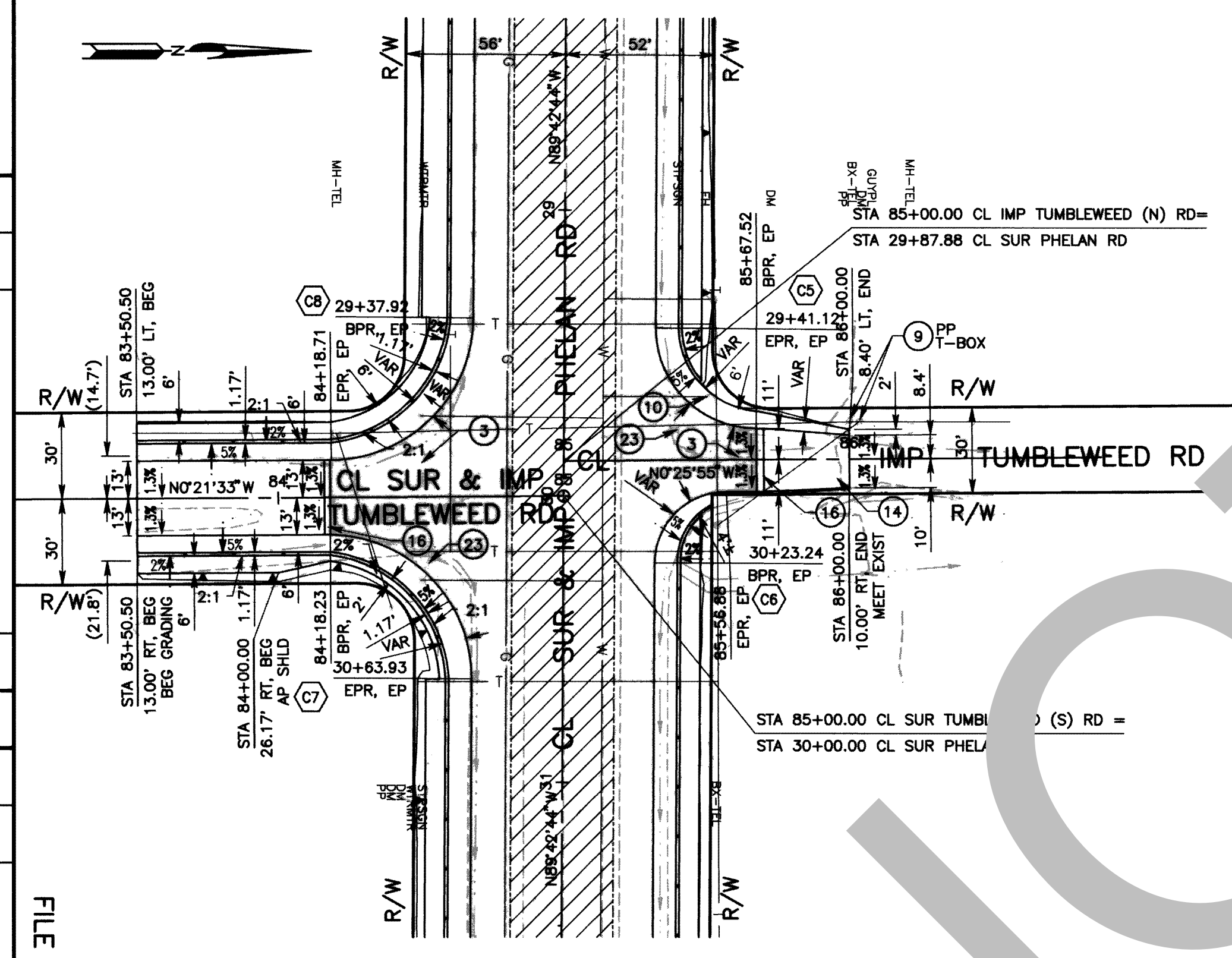
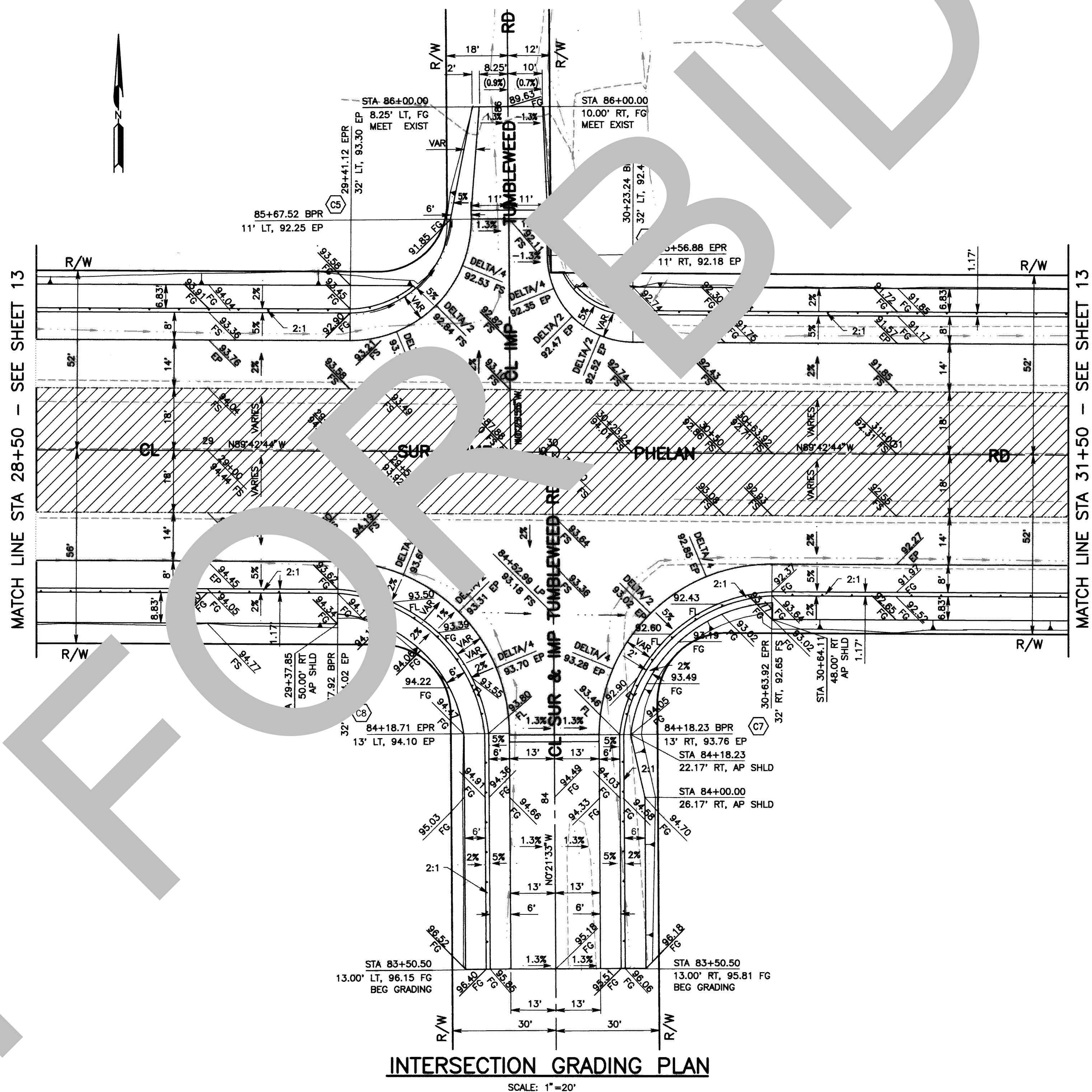
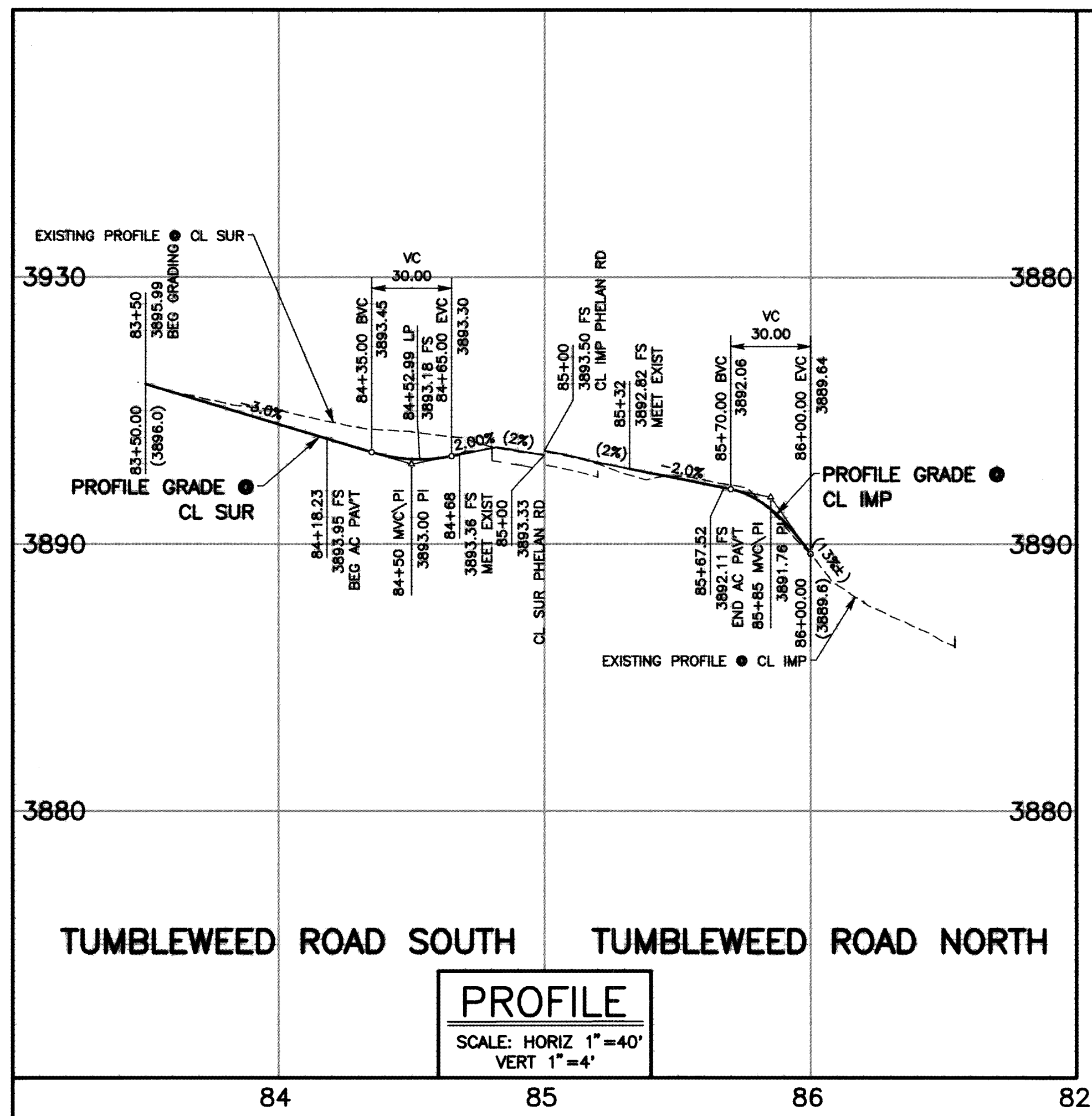
PHELAN ROAD
PLAN & PROFILE
PHELAN AREA
TUMBLEWEED ROAD

J.L. REF. J.L. 11727	W.O. NO. H14995	PLAN SCALE 1"=40'	SHT. NO. 11	TOT. SHT'S. 23
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MARK	REVISIONS	DATE

OXFORD ROAD
FILE NO. 651850-013

E.P. RETURN DATA				
C#	R	DELTA	L	T
5	35.00'	90°43'11"	55.42'	35.44'
6	25.00'	89°16'49"	38.96'	24.69'
7	50.00'	90°38'50"	79.10'	50.57'
8	50.00'	89°21'10"	77.98'	49.44'



- CONSTRUCTION NOTES**
- 12. STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 5.
 - 13. IN PLACE.
 - 14. FINISH GRADE PER TYPICAL SECTIONS ON SHEET 5.
 - 16. CONSTRUCT AC CUT-OFF WALL PER DETAIL ON SHEET 4.
 - 23. REMOVE AND RELOCATE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

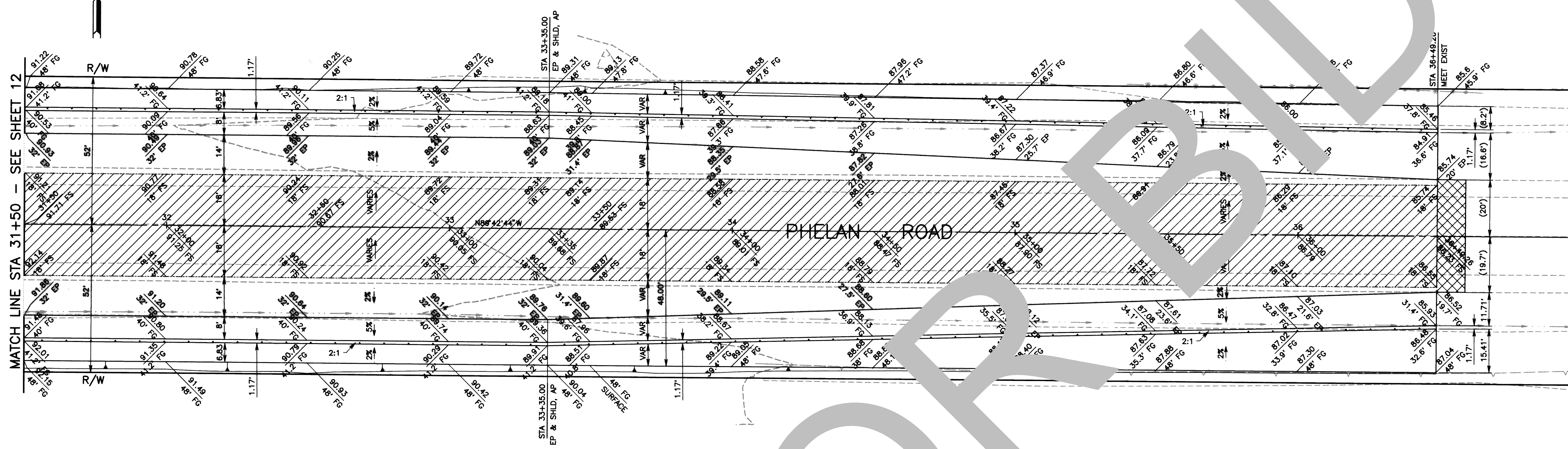


SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY: WCH	DRAWN BY: WCH	CHECKED BY: DJ	RECOMMENDED BY: 10/13/21
APPROVED BY: 10/13/21			DATE

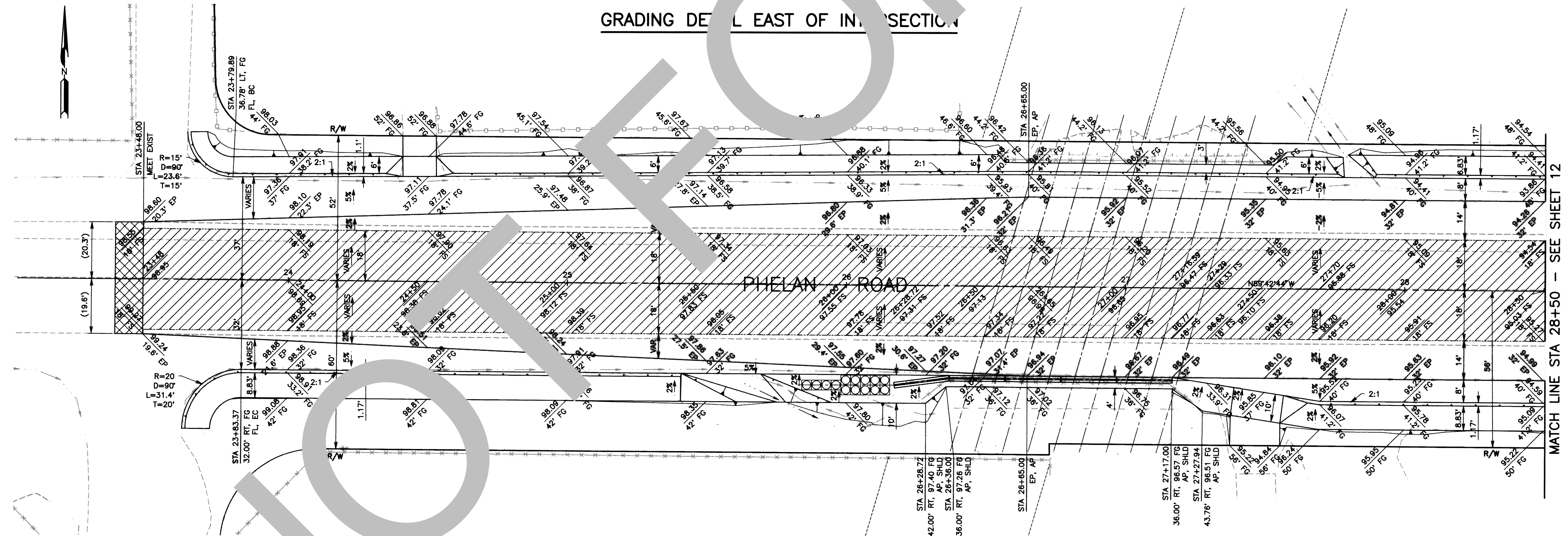
TUMBLEWEED ROAD PLAN & PROFILE INTERSECTION GRADING DETAIL PHELAN ROAD				
J.L. REF. J.L. 11727	W.O. NO. H14995	PLAN SCALE AS SHOWN	SHT. NO. 12	TOT. SHTS. 23

MARK	REVISIONS	DATE

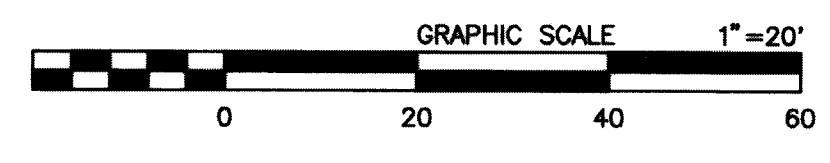
FILE NO. 651850-013



GRADING DETAIL EAST OF INTERSECTION



GRADING DETAIL WEST OF INTERSECTION



MARK	REVISIONS	DATE

FILE NO. 651850-013

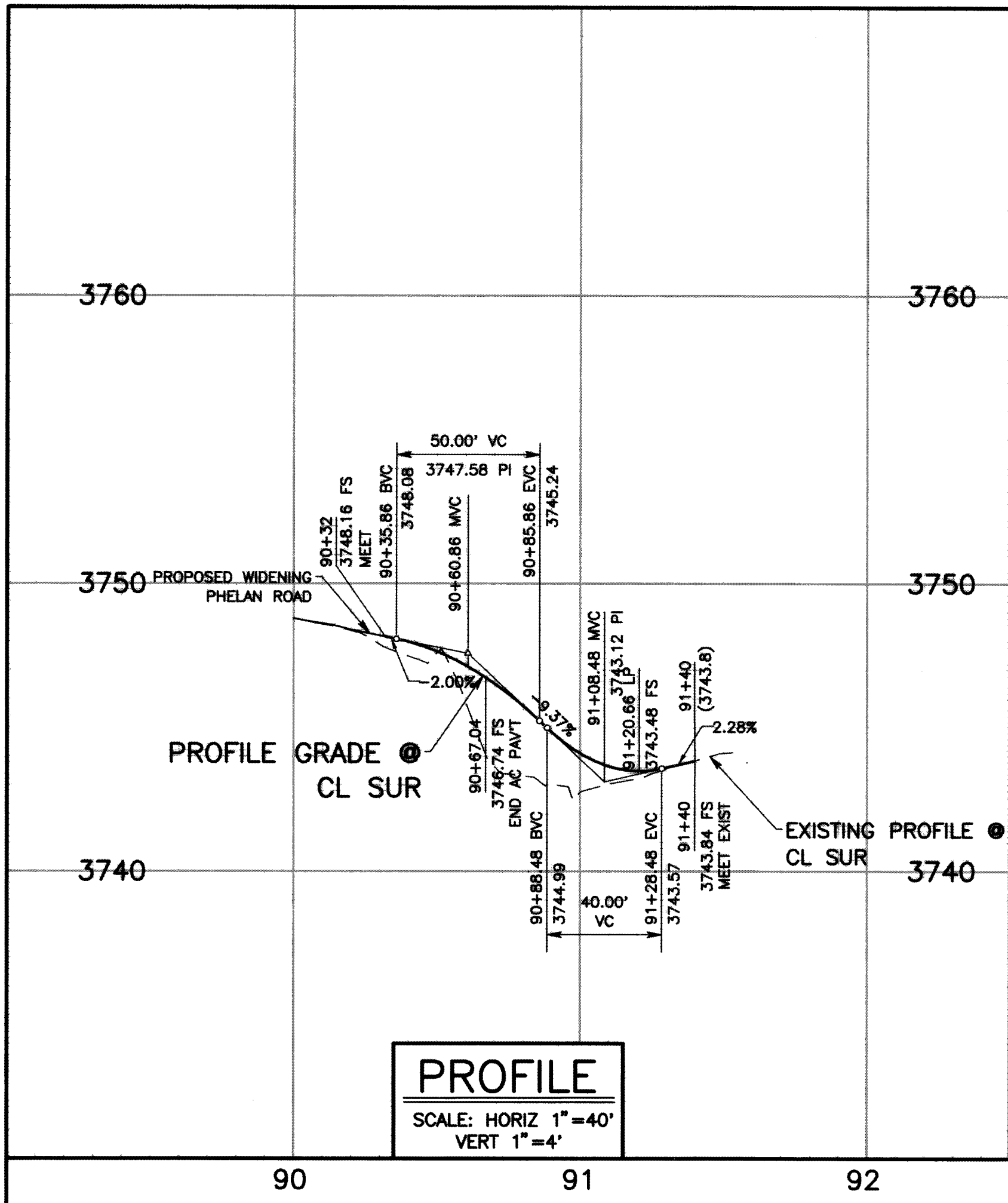
MARK	CHANGES	RESIDENT ENGINEER	DATE

FIELD CHANGES

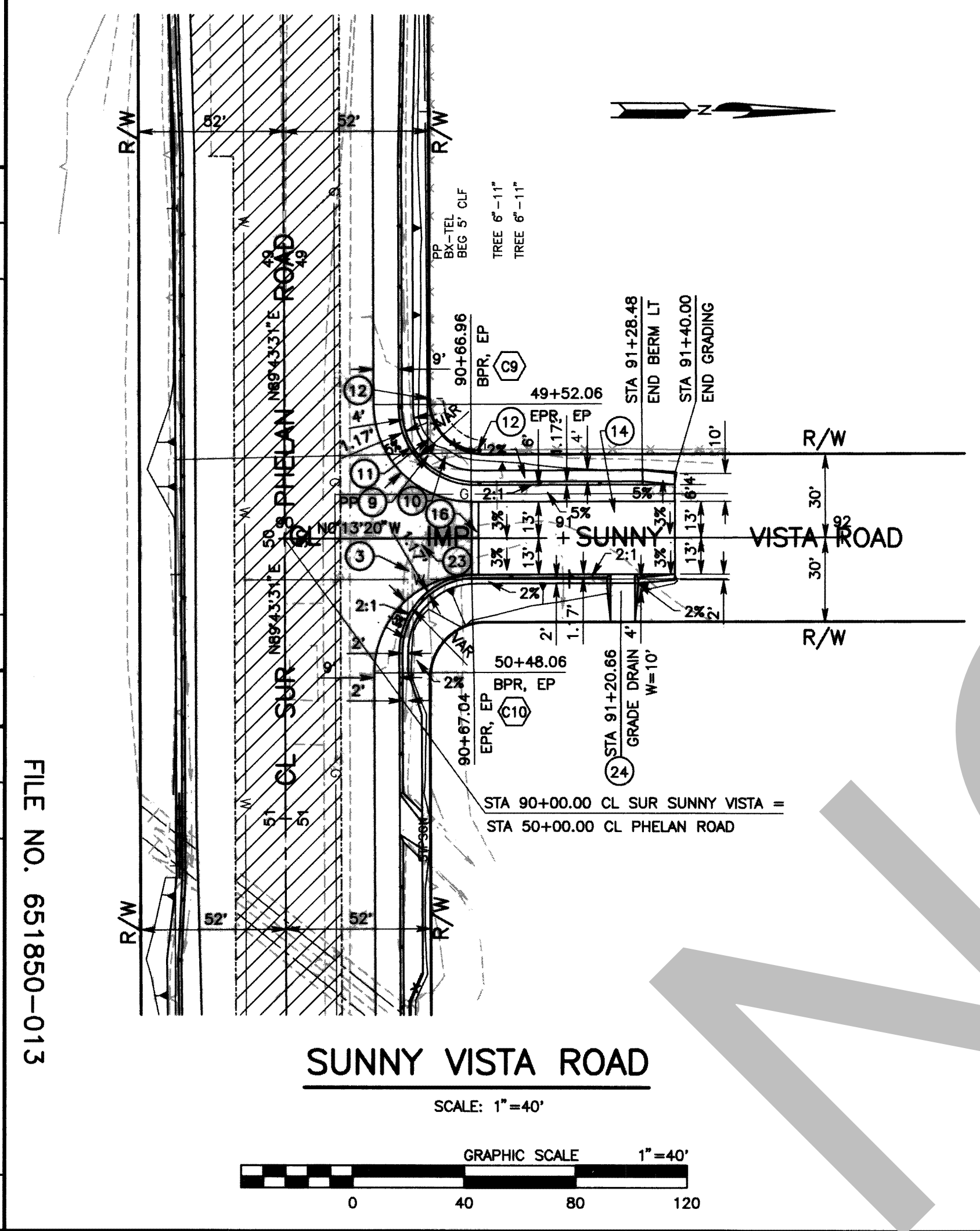


SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY: WCH	DRAWN BY: WCH	CHECKED BY: DJ	RECOMMENDED BY: <i>Noel Castillo</i> NOEL CASTILLO, P.E. ENGINEERING MANAGER DATE: 10/13/21
APPROVED BY: <i>Noel Castillo</i> NOEL CASTILLO, P.E. DEPUTY DIRECTOR DATE: 10/14/21			

TUMBLEWEED ROAD PLAN & PROFILE GRADING DETAIL PHELAN ROAD				
J.L. REF. J.L. 11727	W.O. NO. H14995	PLAN SCALE 1"=20'	SHT. NO. 13	TOT. SHTS. 23



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

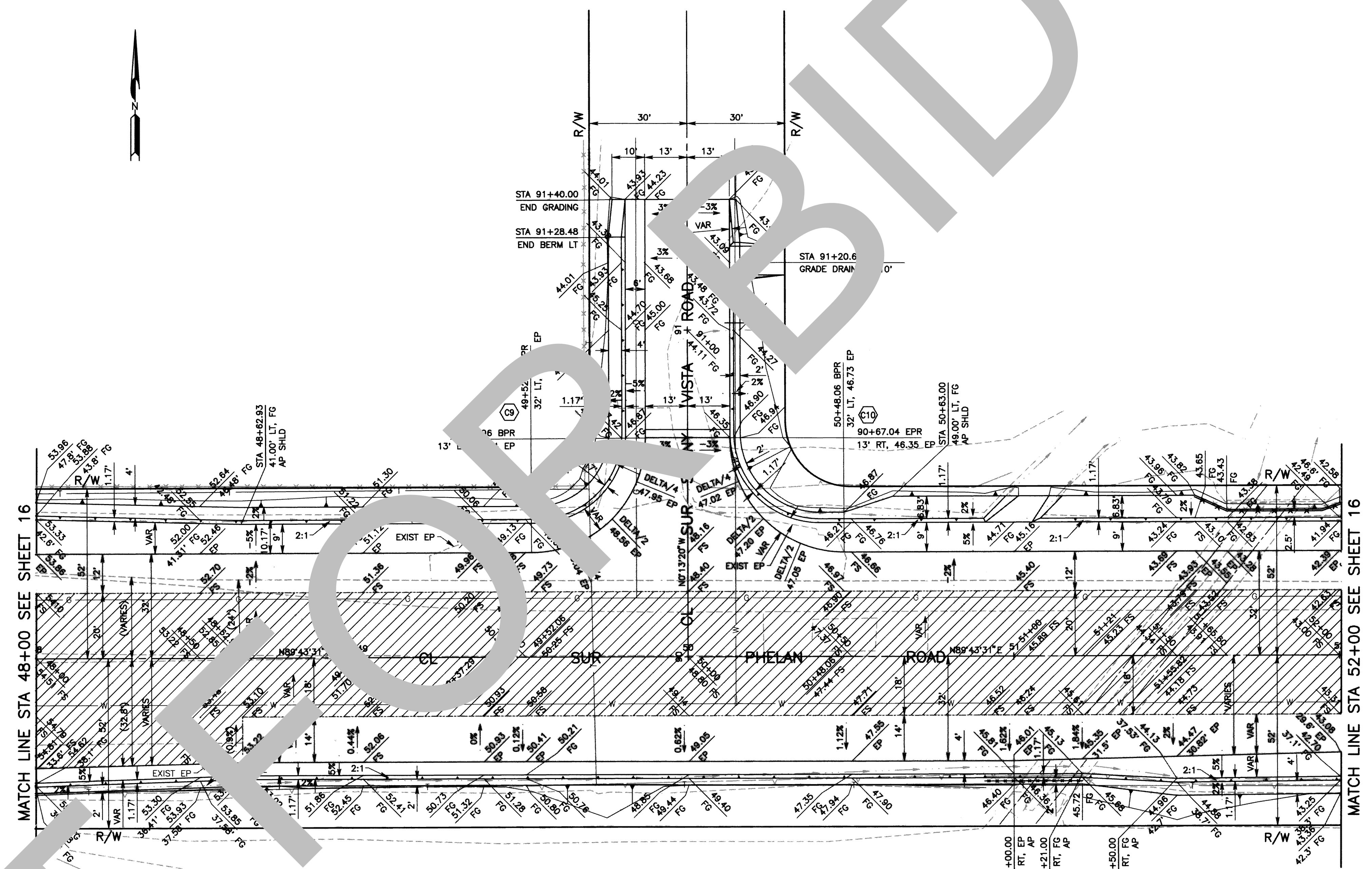


SUNNY VISTA ROAD
SCALE: 1"=40'

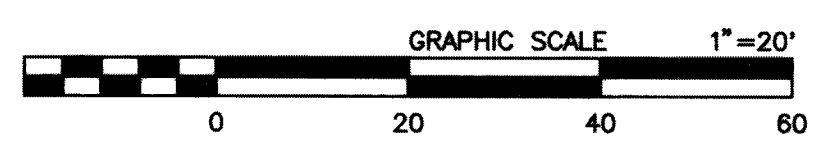
E.P. RETURN DATA

MARK	R	DELTA	L
1	100'	89°56'51"	544.97'
C10			35.03'

- CONSTRUCTION NOTES**
- STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 3.
 - ADJUST UTILITY TO GRADE.
 - REMOVE AND DISPOSE OF EXISTING 5' CHAIN LINK FENCE.
 - INSTALL CHAIN LINK FENCE TYPE CL-5 PER CALTRANS STANDARD PLAN ABS.
 - FINISH GRADE PER TYPICAL SECTIONS.
 - CONSTRUCT AC CUT-OFF WALL PER DETAIL ON SHEET 4.
 - REMOVE AND RELOCATE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.
 - CONSTRUCT SIDE DRAIN PER DETAILS ON SHEET 4.



INTERSECTION GRADING PLAN
SCALE: 1"=20'



MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES



COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

DESIGNED BY: WCH
DRAWN BY: WCH
CHECKED BY: DJ
RECOMMENDED BY: *[Signature]* 10/13/21
DATE: 10/13/21

APPROVED BY: *[Signature]* 10/14/21
DATE: 10/14/21

ELOY RIVALCABA, P.E.
SUPERVISING ENGINEER

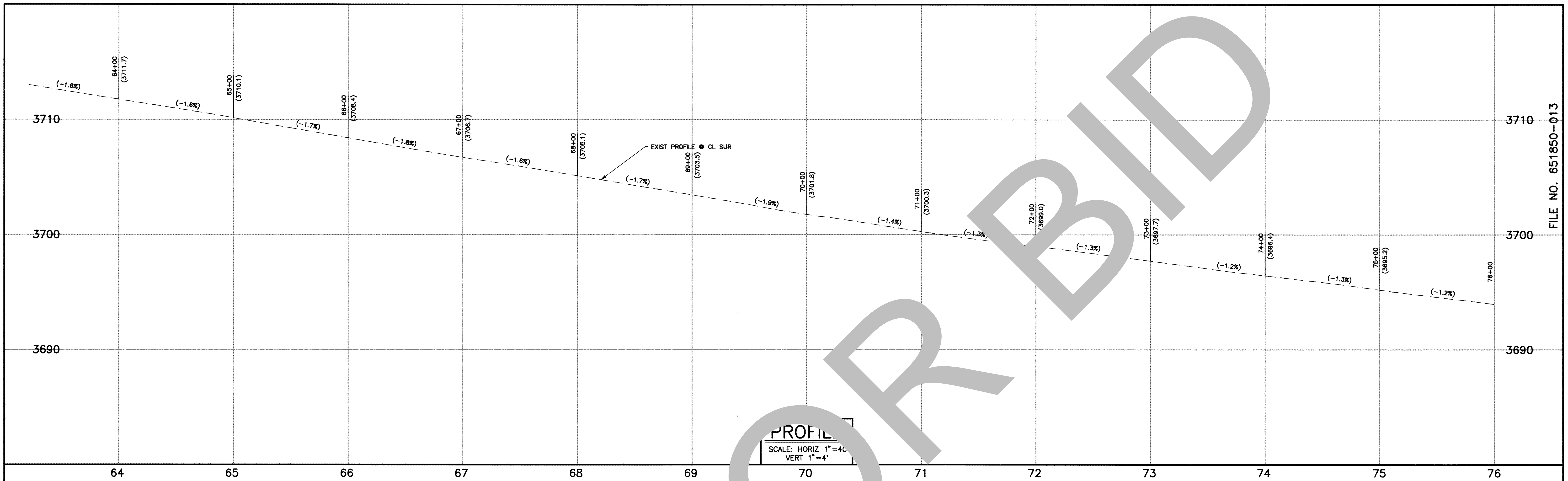
NOEL CASTILLO, P.E.
DEPUTY DIRECTOR

SUNNY VISTA ROAD
PLAN & PROFILE
PHELAN AREA
PHELAN ROAD

J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHTS.
J.L. 11727	H14995	AS SHOWN	15	23

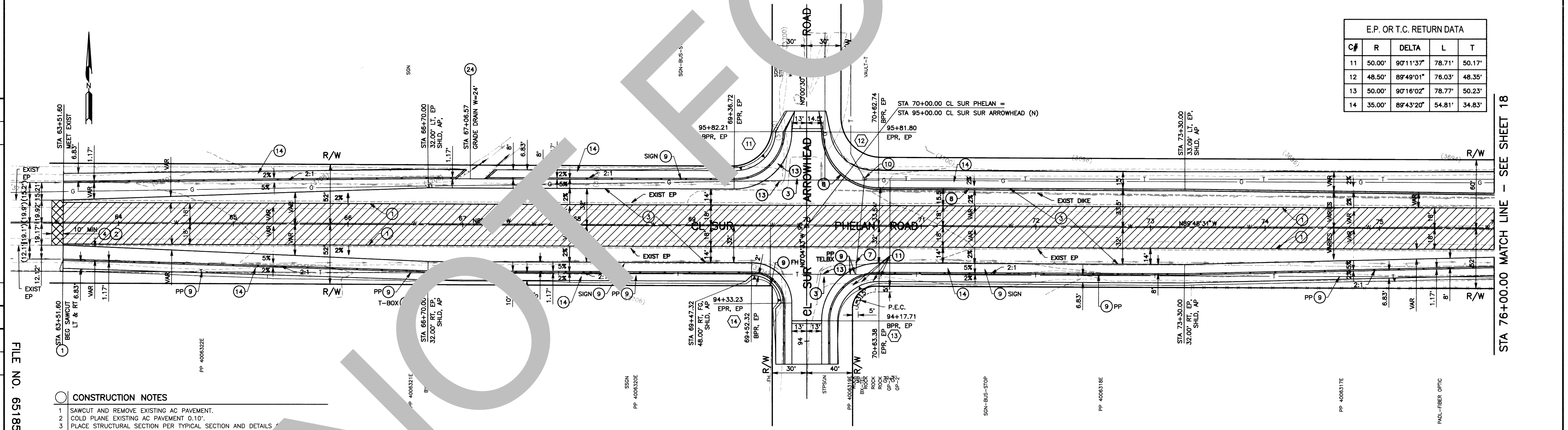
MARK	REVISIONS	DATE	APPR.

FILE NO. 651850-013



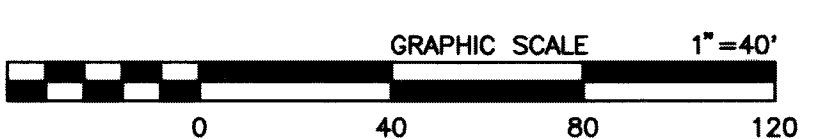
PROFILE
 SCALE: HORIZ 1"=40'
 VERT 1"=4'

E.P. OR T.C. RETURN DATA				
C#	R	DELTA	L	T
11	50.00'	90°11'37"	78.71'	50.17'
12	48.50'	89°49'01"	76.03'	48.35'
13	50.00'	90°16'02"	78.77'	50.23'
14	35.00'	89°43'20"	54.81'	34.83'



STA 76+00.00 MATCH LINE - SEE SHEET 18

- CONSTRUCTION NOTES**
- 1 SAWCUT AND REMOVE EXISTING AC PAVEMENT.
 - 2 COLD PLANE EXISTING AC PAVEMENT 0.10".
 - 3 PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS.
 - 4 PLACE AC PAVEMENT 0.10" THK.
 - 5 REMOVE AND RELOCATE EXISTING MAILBOX PER SD-1.
 - 6 PLACE TRAVERSABLE AC DIKE PER CD STD PLAN 117A.
 - 7 PROTECT IN PLACE.
 - 8 RELOCATE EXISTING BOULDERS OUTSIDE OF RIGHT OF WAY.
 - 9 FINISH GRADE PER TYPICAL SECTIONS.
 - 10 CONSTRUCT AC CUT-OFF WALL PER DETAIL ON SHEET 4.
 - 11 REMOVE AND RELOCATE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.
 - 12 CONSTRUCT SIDE DRAIN PER DETAILS ON SHEET 4.



MARK	REVISIONS	DATE	APPR.

MARK	REVISIONS	DATE	APPR.

FILE NO. 651850-013

MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

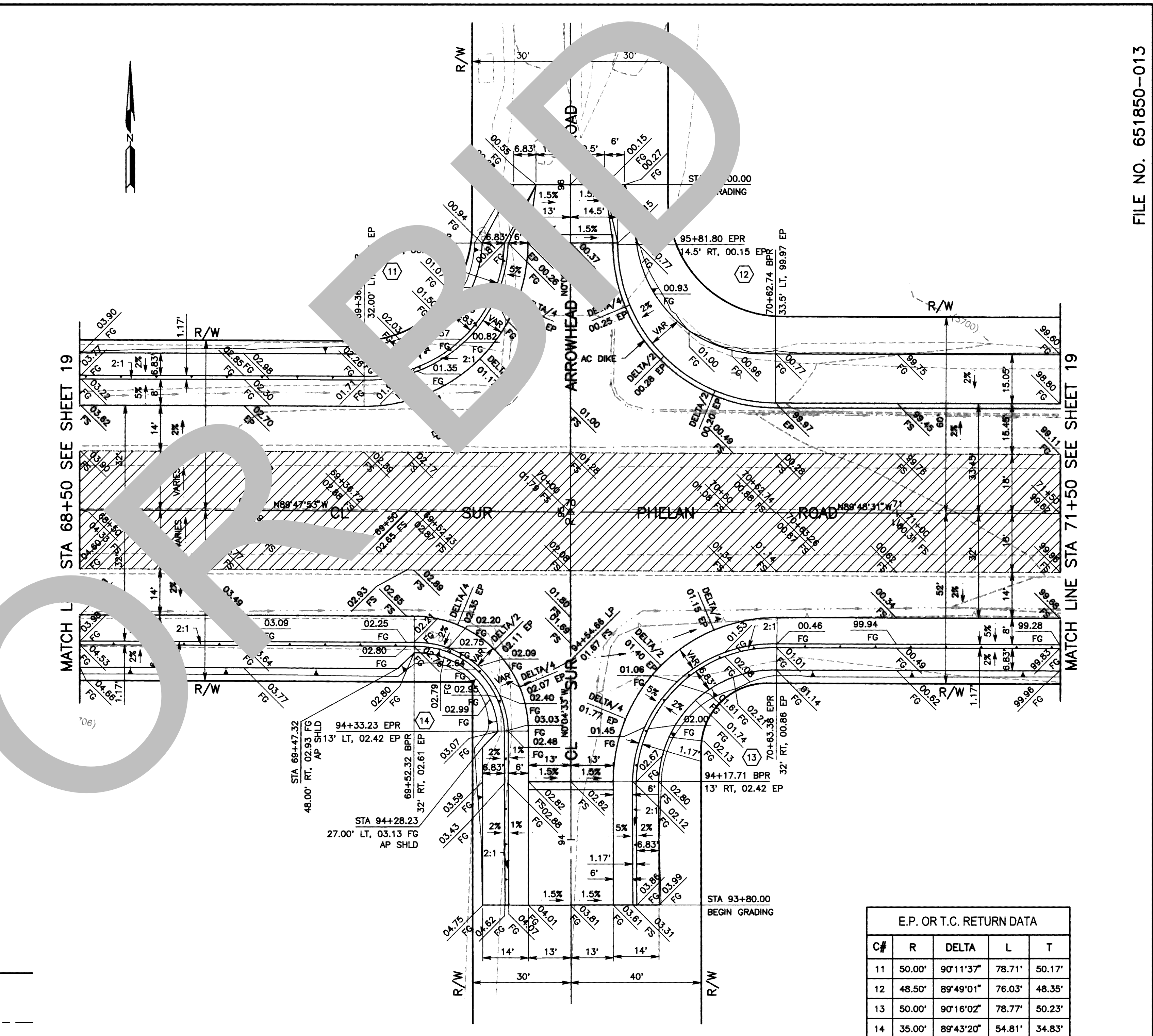
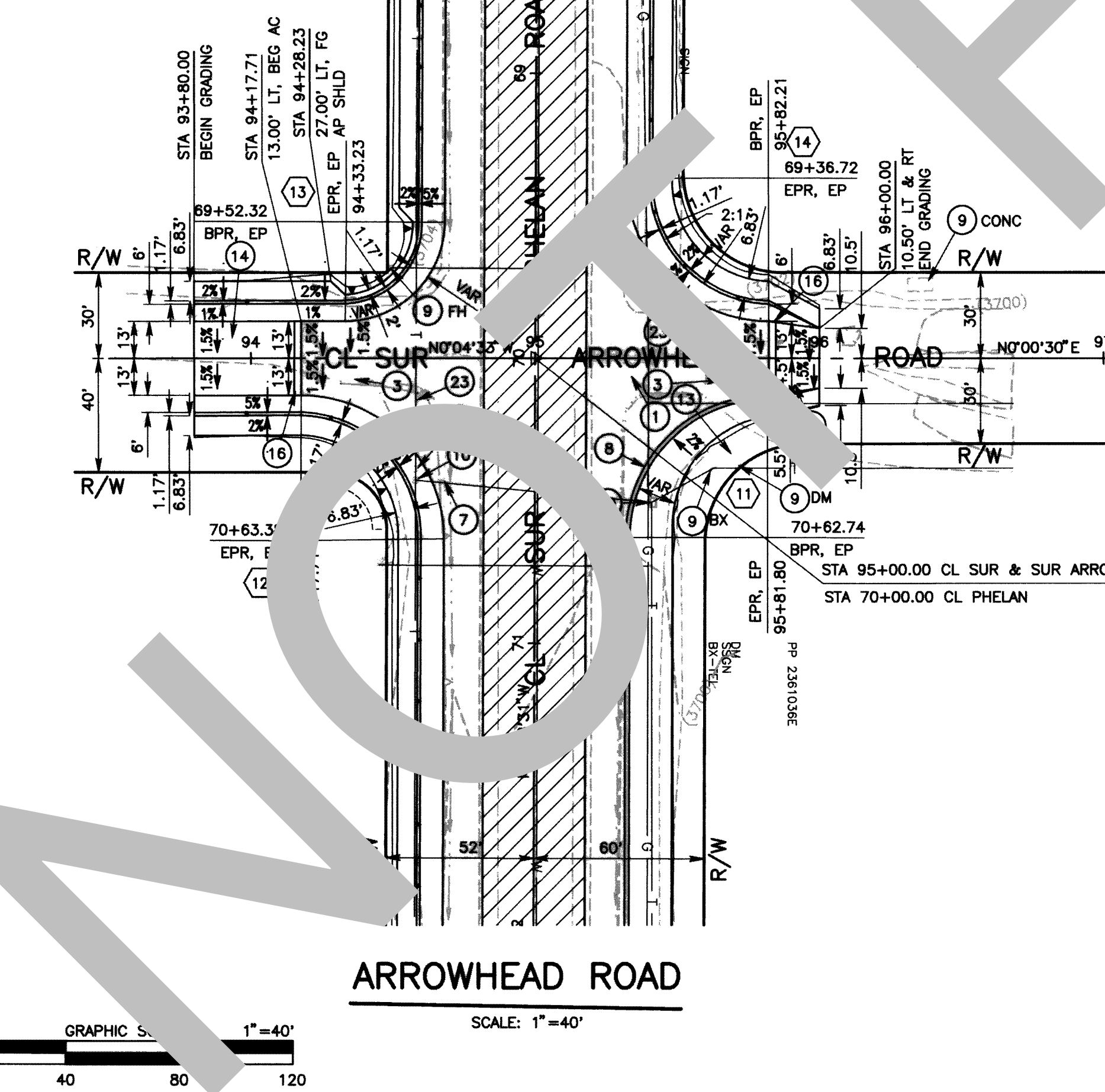
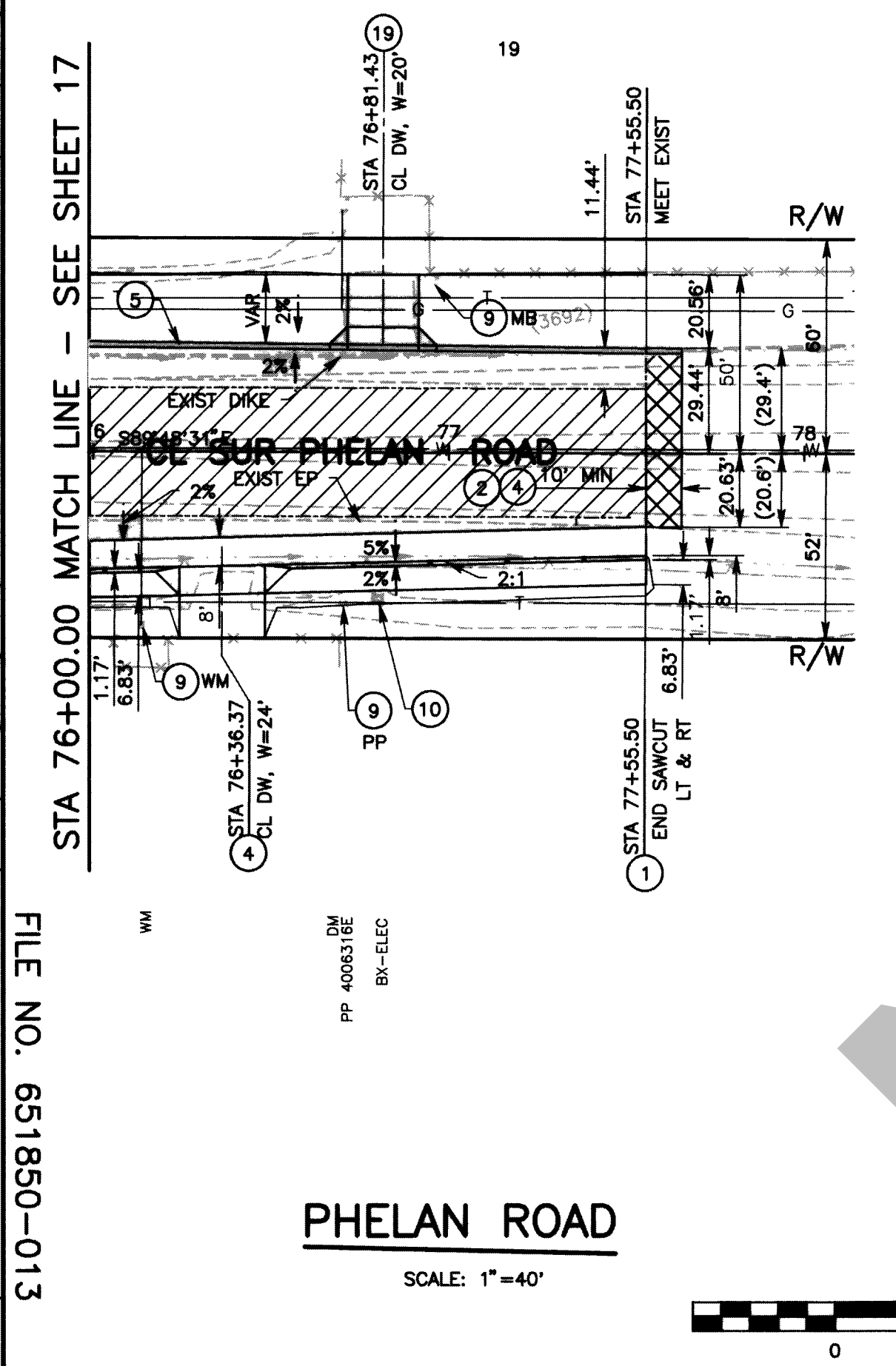
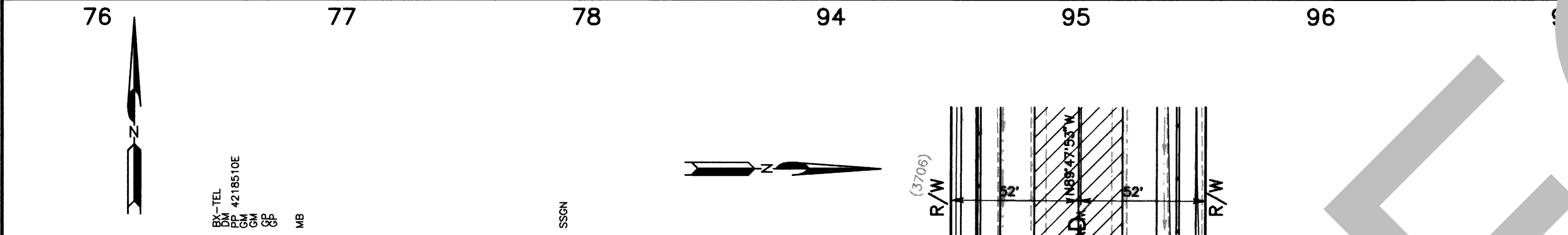
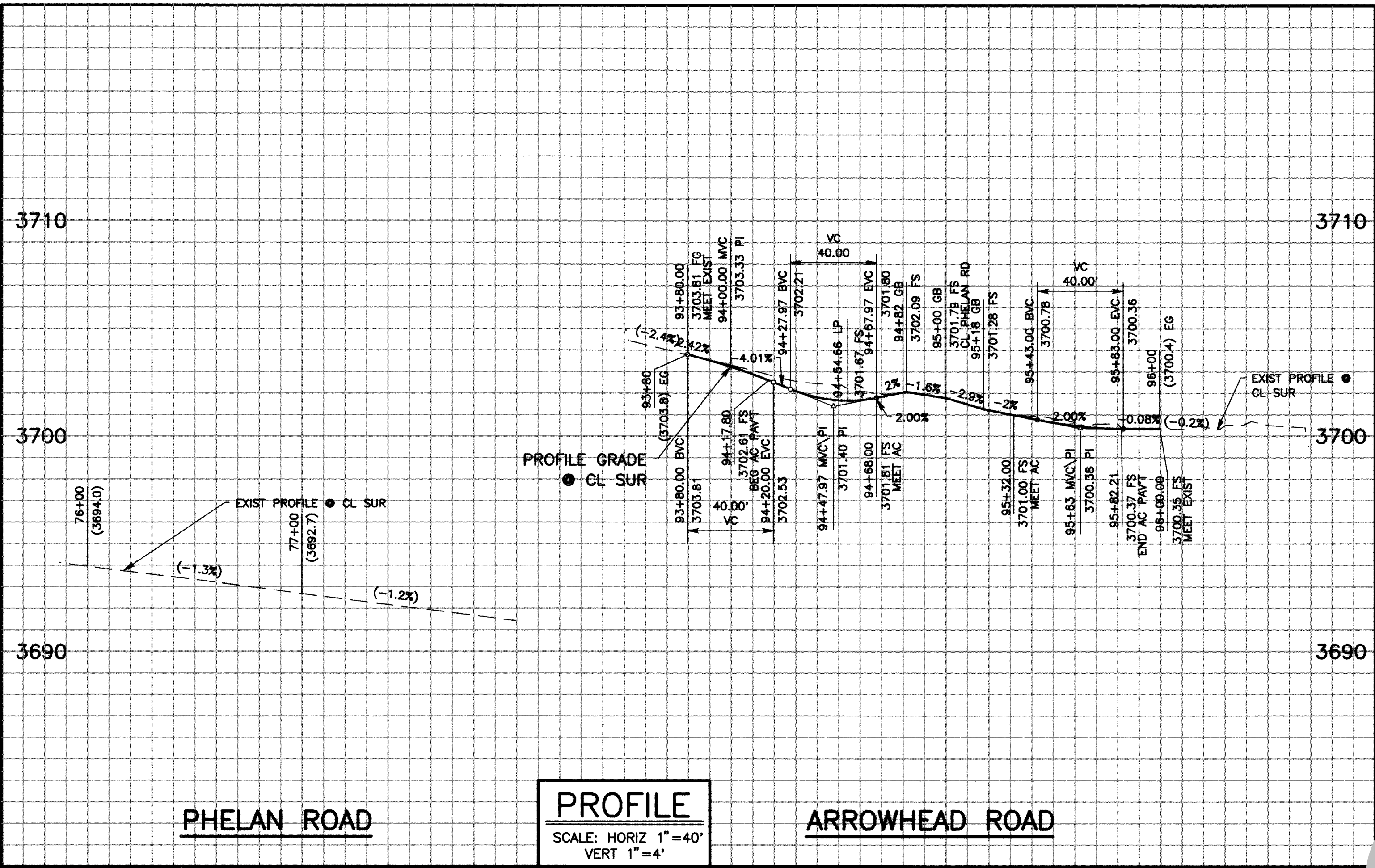
FIELD CHANGES



COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS

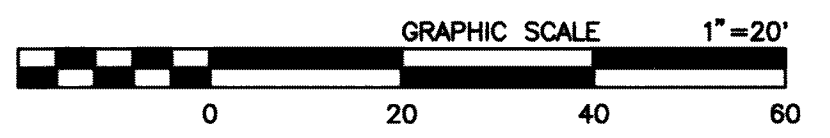
DESIGNED BY: WCH	DRAWN BY: WCH	CHECKED BY: DJ	RECOMMENDED BY: Mervat N. Mikhail, P.E. ENGINEERING MANAGER 10/13/21
APPROVED BY: Eloy Rimalcaba, P.E. SUPERVISING ENGINEER 10/13/21			APPROVED BY: Noel Castillo, P.E. DEPUTY DIRECTOR 10/14/21

PHELAN ROAD				
PLAN & PROFILE				
PHELAN AREA				
ARROWHEAD ROAD				
J.L. REF. J.L. 11727	W.O. NO. H14995	PLAN SCALE 1"=40'	SHT. NO. 17	TOT. SHT'S. 23



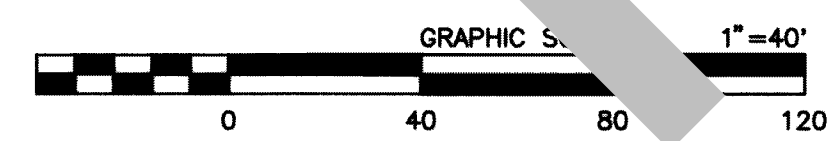
E.P. OR T.C. RETURN DATA				
C#	R	DELTA	L	T
11	50.00'	90°11'37"	78.71'	50.17'
12	48.50'	89°49'01"	76.03'	48.35'
13	50.00'	90°16'02"	78.77'	50.23'
14	35.00'	89°43'20"	54.81'	34.83'

- CONSTRUCTION NOTES**
- 1 SAWCUT AND REMOVE EXISTING AC PAVEMENT.
 - 2 COLD PLANE EXISTING AC PAVEMENT 0.10".
 - 3 PLACE STRUCTURAL SECTION PER TYPICAL SECTION AND DETAILS ON SHEET 7.
 - 4 PLACE AC PAVEMENT 0.10" THK.
 - 5 CONSTRUCT DIRT DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
 - 6 RELOCATE EXISTING MAILBOX.
 - 7 PLACE TRAVERSABLE AC DIKE PER CO STD PLAN 117A.
 - 8 PROTECT IN PLACE.
 - 9 ADJUST UTILITY TO GRADE.
 - 10 REMOVE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.
 - 11 FINISH GRADE PER TYPICAL SECTIONS.
 - 12 CONSTRUCT AC CUT-OFF WALL PER DETAIL ON SHEET 4.
 - 13 CONSTRUCT AC DRIVEWAY AND APPROACH PER DETAILS ON SHEET 4.
 - 14 REMOVE AND RELOCATE EXISTING SIGN, SEE TRAFFIC SIGNING AND STRIPING PLAN.



FILE NO. 651850-013

PHELAN ROAD
SCALE: 1"=40'



ARROWHEAD ROAD
SCALE: 1"=40'

INTERSECTION GRADING DETAIL
SCALE: 1"=20'

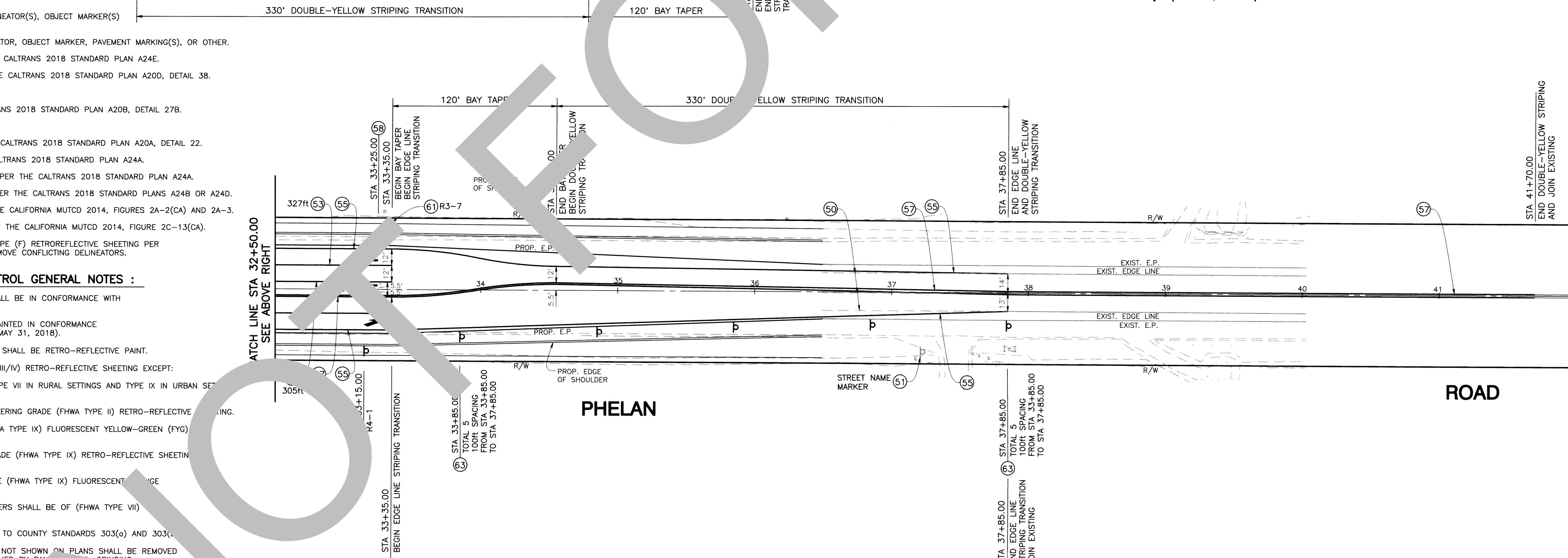
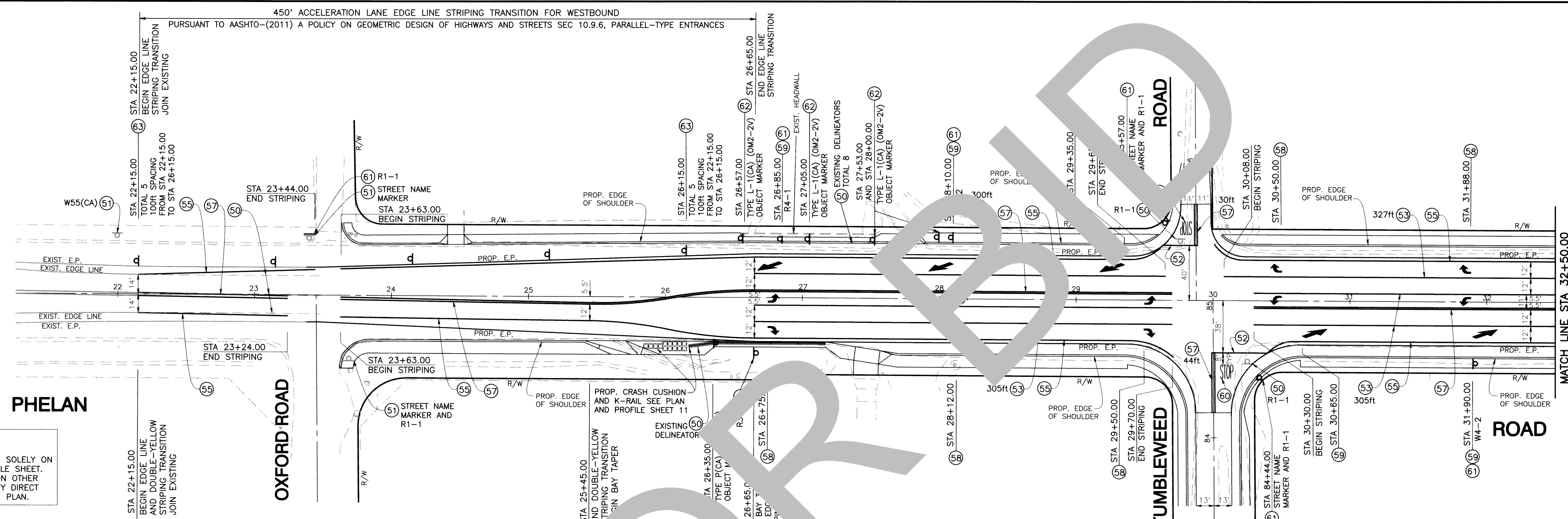
MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

FIELD CHANGES



COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY:	DRAWN BY:	CHECKED BY:	RECOMMENDED BY:
WCH	WCH	DJ	NOEL CASTILLO
			DATE: 10/13/21
APPROVED BY:			DATE: 10/14/21
ELOY RIVALLANCA, P.E. SUPERVISING ENGINEER			NOEL CASTILLO, P.E. DEPUTY DIRECTOR

PHELAN ROAD PLAN & PROFILE AND GRADING DETAIL PHELAN AREA ARROWHEAD ROAD				
J.L. REF.	W.O. NO.	PLAN SCALE	SHT. NO.	TOT. SHTS.
J.L. 11727	H14995	1"=40'	18	23



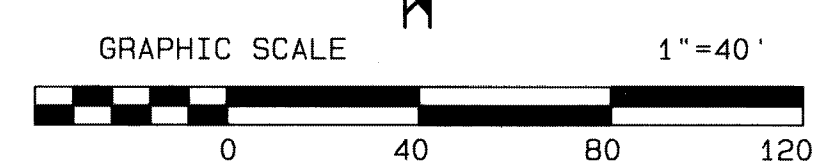
NOTE:
 THE STATIONS SHOWN ON THIS PLAN SHEET ARE BASED SOLELY ON THIS SHEET AND THE CORRESPONDING PLAN AND PROFILE SHEET. INTERSECTION IMPROVEMENTS AND STATIONING SHOWN ON OTHER SHEETS ARE NOT CONTINUOUS AND DOES NOT HAVE ANY DIRECT CORRELATION TO THIS SHEET EXCEPT WHERE NOTED ON PLAN.

TRAFFIC SIGNING AND STRIPING NOTES:

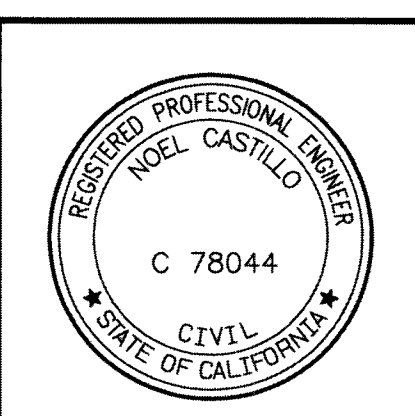
- (50) REMOVE EXISTING CONFLICTING SIGN(S), STRIPING, DELINEATOR(S), OBJECT MARKER(S) OR PAVEMENT MARKING(S) AS REQUIRED.
- (51) PROTECT IN PLACE EXISTING SIGN(S), STRIPING, DELINEATOR, OBJECT MARKER, PAVEMENT MARKING(S), OR OTHER.
- (52) PAINT 12-INCH WIDE, SOLID WHITE LIMIT LINE PER THE CALTRANS 2018 STANDARD PLAN A24E.
- (53) PAINT 8-INCH WIDE, WHITE CHANNELIZING LINE PER THE CALTRANS 2018 STANDARD PLAN A20D, DETAIL 3B.
- (54) NOT USED ON THIS SHEET.
- (55) PAINT 6-INCH WIDE, WHITE EDGE LINE PER THE CALTRANS 2018 STANDARD PLAN A20B, DETAIL 27B.
- (56) NOT USED ON THIS SHEET.
- (57) PAINT DOUBLE 6-INCH WIDE, YELLOW STRIPE PER THE CALTRANS 2018 STANDARD PLAN A20A, DETAIL 22.
- (58) PAINT TYPE IV ARROW PAVEMENT MARKING PER THE CALTRANS 2018 STANDARD PLAN A24A.
- (59) PAINT TYPE VI LANE DROP ARROW PAVEMENT MARKING PER THE CALTRANS 2018 STANDARD PLAN A24A.
- (60) PAINT PAVEMENT MARKINGS AS SHOWN ON PLAN AND PER THE CALTRANS 2018 STANDARD PLANS A24B OR A24D.
- (61) INSTALL NEW SIGN(S) AS SHOWN ON PLAN AND PER THE CALIFORNIA MUTCD 2014, FIGURES 2A-2(CA) AND 2A-3.
- (62) INSTALL OBJECT MARKER AS SHOWN ON PLAN AND PER THE CALIFORNIA MUTCD 2014, FIGURE 2C-13(CA).
- (63) INSTALL CLASS 1 (FLEXIBLE POST) DELINEATOR WITH TYPE (F) RETROREFLECTIVE SHEETING PER THE CALIFORNIA MUTCD 2014, FIGURE 3F-101(CA), REMOVE CONFLICTING DELINEATORS.

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 CALTRANS 2018 STANDARD PLANS (DATED MAY 31, 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 SETTING) 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 YELLOW-GREEN 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(c).
- 7- ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON PLANS SHALL BE REMOVED BY THE CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY SAN BERNARDINO COUNTY REPRESENTATIVE, OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- 8- ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED, OR COVERED BY THE CONTRACTOR. SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- 9- ALL UNPROTECTED LOCATIONS RESULTING IN ISOLATED ABRUPT DEPRESSIONS, ELEVATED OBJECTS (I.E. CATCH BASINS, HEADWALLS, POWER POLES, END TREATMENT OF ASPHALT PAVEMENT 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 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 (WITH THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.



MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

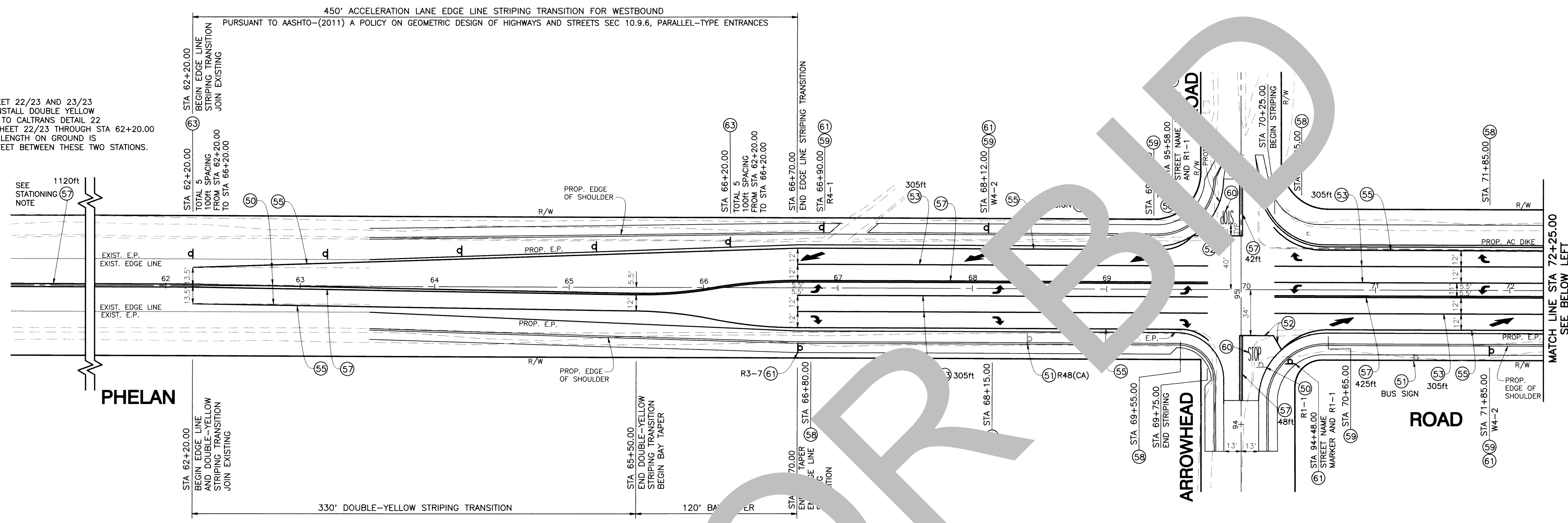


SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY J.H.C.	DRAWN BY H.F.	CHECKED BY J.J.	RECOMMENDED BY NOEL CASTILLO, P.E. DEPUTY DIRECTOR TRANSPORTATION
SUBMITTED BY: JEREMY JOHNSON, P.E. SUPERVISING ENGINEER		APPROVED BY: DAVID R. DOUBLET, M.S., P.E. ASSISTANT DIRECTOR	

PHELAN ROAD AT TUMBLEWEED ROAD TRAFFIC SIGNING AND STRIPING PLAN PHELAN AREA			
J.L. REF. JL11727	W.O. NO. H14995	SCALE 1" = 40'	SHEET. NO. TOTAL SHTS. 21 23

APPR.	DATE
REVISIONS	
MARK	
APPR.	DATE
REVISIONS	
MARK	

STATIONING NOTE:
STATIONS BETWEEN SHEET 22/23 AND 23/23
IS NOT CONTINUOUS. INSTALL DOUBLE YELLOW
CENTERLINE PURSUANT TO CALTRANS DETAIL 22
FROM STA 57+60.00 SHEET 22/23 THROUGH STA 62+20.00
SHEET 23/23. ACTUAL LENGTH ON GROUND IS
APPROXIMATELY 1120 FEET BETWEEN THESE TWO STATIONS.



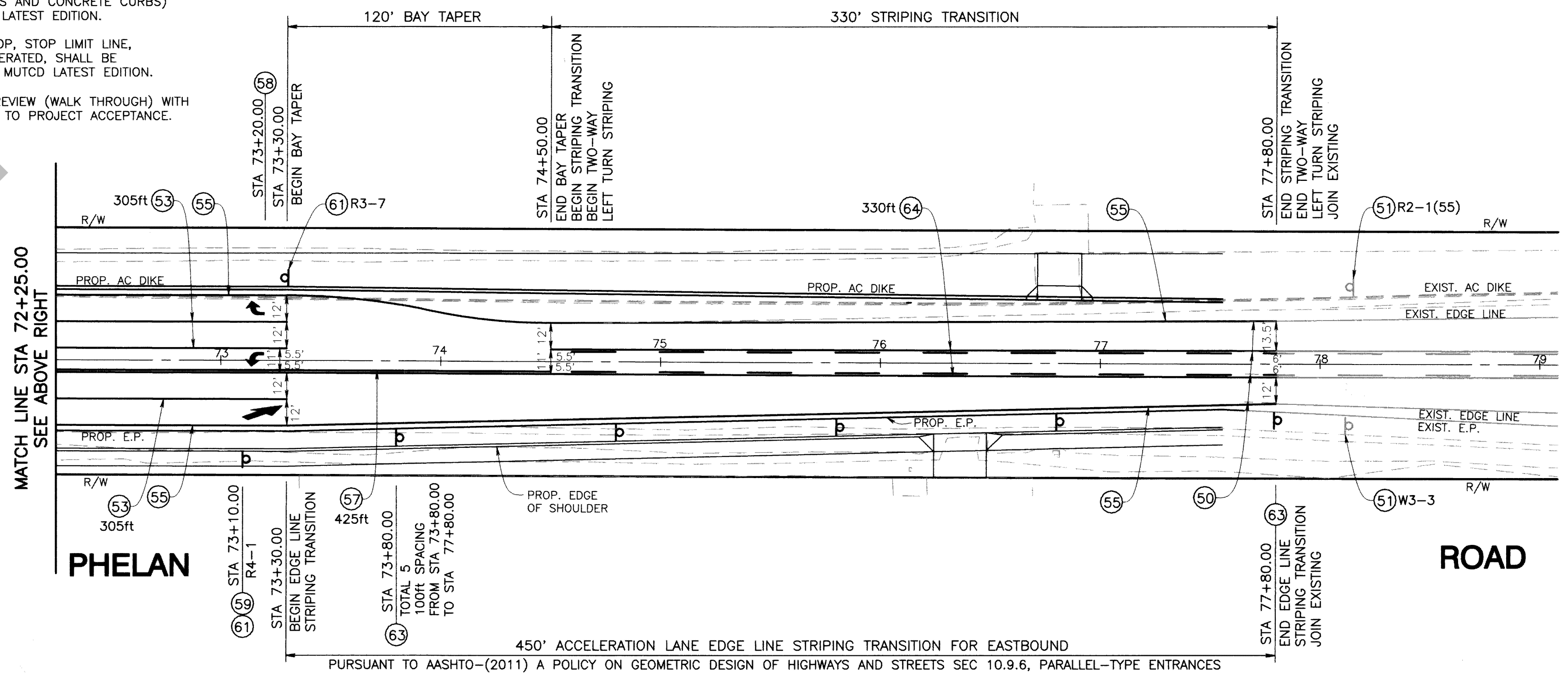
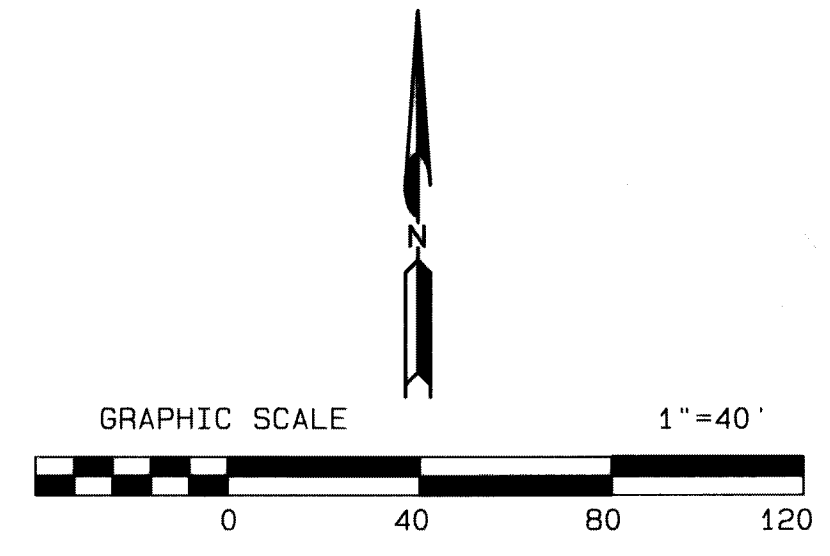
SAN BERNARDINO COUNTY TRAFFIC CONTROL GENERAL NOTES :

- 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 CALTRANS 2018 STANDARD PLANS (DATED MAY 31, 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 OF 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 III) RETRO-REFLECTIVE SHEETING.
- 6- SIGNS SHALL BE MOUNTED ON METAL POSTS SIMILAR TO COUNTY STANDARDS 303 AND 303(b).
- 7- ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON THIS SHEET SHALL BE REMOVED BY THE CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY SAW CUTTING, GRINDING, OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- 8- ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED, OR COVERED BY THE CONTRACTOR. UNREADABLE SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLAN AS DIRECTED BY COUNTY REPRESENTATIVE.
- 9- ALL UNPROTECTED LOCATIONS RESULTING IN ISOLATED OR DISRUPT DEPRESSIONS OR ELEVATED OBJECTS (i.e. CATCH BASINS, HEADWALLS, POWER POLES, ETC.) SHALL BE PROTECTED BY DELINEATORS OR BARRIERS PER THE CALIFORNIA MUTCD LATEST EDITION.
- 10- ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON THIS SHEET SHALL BE REMOVED/REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- 11- THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO CONDUCT A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL MEASURES PRIOR TO PROJECT ACCEPTANCE.

NOTE:
THE STATIONS SHOWN ON THIS PLAN SHEET ARE BASED SOLELY ON THIS SHEET AND THE CORRESPONDING PLAN AND PROFILE SHEET. INTERSECTION IMPROVEMENTS AND STATIONING SHOWN ON OTHER SHEETS ARE NOT CONTINUOUS AND DOES NOT HAVE ANY DIRECT CORRELATION TO THIS SHEET EXCEPT WHERE NOTED ON PLAN.

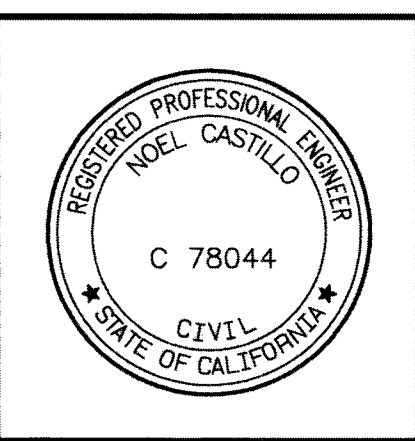
TRAFFIC SIGNING AND STRIPING NOTES:

- (50) REMOVE EXISTING CONFLICTING SIGN(S), STRIPING, DELINEATOR(S), OBJECT MARKER(S) OR PAVEMENT MARKING(S) AS REQUIRED.
- (51) PROTECT IN PLACE EXISTING SIGN(S), STRIPING, DELINEATOR, OBJECT MARKER, PAVEMENT MARKING(S), OR OTHER.
- (52) PAINT 12-INCH WIDE, SOLID WHITE LIMIT LINE PER THE CALTRANS 2018 STANDARD PLAN A24E.
- (53) PAINT 8-INCH WIDE, WHITE CHANNELIZING LINE PER THE CALTRANS 2018 STANDARD PLAN A24D, DETAIL 38.
- (54) NOT USED ON THIS SHEET.
- (55) PAINT 6-INCH WIDE, WHITE EDGE LINE PER THE CALTRANS 2018 STANDARD PLAN A20B, DETAIL 33.
- (56) NOT USED ON THIS SHEET.
- (57) PAINT DOUBLE 6-INCH WIDE, YELLOW STRIPE PER THE CALTRANS 2018 STANDARD PLAN A20A, DETAIL 32.
- (58) PAINT TYPE IV ARROW PAVEMENT MARKING PER THE CALTRANS 2018 STANDARD PLAN A24A.
- (59) PAINT TYPE VI LANE DROP ARROW PAVEMENT MARKING PER THE CALTRANS 2018 STANDARD PLAN A24A.
- (60) PAINT PAVEMENT MARKINGS AS SHOWN ON PLAN AND PER THE CALIFORNIA MUTCD 2014, FIGURE 3B OR A24D.
- (61) INSTALL NEW SIGN(S) AS SHOWN ON PLAN AND PER THE CALIFORNIA MUTCD 2014, FIGURE 2A-1 AND 2A-3.
- (62) NOT USED ON THIS SHEET.
- (63) INSTALL CLASS 1 (FLEXIBLE POST) DELINEATOR WITH TYPE (F) RETRO-REFLECTIVE SHEETING PER THE CALIFORNIA MUTCD 2014, FIGURE 3F-101(CA).
- (64) PAINT TWO-WAY YELLOW LEFT TURN LANE STRIPE PER THE CALTRANS 2018 STANDARD PLAN A20B, DETAIL 32.



MARK	CHANGES	RESIDENT ENGINEER	DATE
	NO CHANGES		

MARK	CHANGES	RESIDENT ENGINEER	DATE



SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS			
DESIGNED BY	DRAWN BY	CHECKED BY	RECOMMENDED BY:
J.H.C.	H.F.	J.J.	NOEL CASTILLO, P.E. DEPUTY DIRECTOR TRANSPORTATION
SUBMITTED BY:		APPROVED BY:	
JEREMY JOHNSON, P.E. SUPERVISING ENGINEER		DAVID R. DOUBLET, M.S., P.E. ASSISTANT DIRECTOR	
DATE	DATE	DATE	DATE
10/14/21	10/14/21	10/14/21	10/14/21

PHELAN ROAD AT ARROWHEAD ROAD TRAFFIC SIGNING AND STRIPING PLAN PHELAN AREA				
J.L. REF.	W.O. NO.	SCALE	SHEET. NO.	TOTAL SHETS.
JL11727	H14995	1" = 40'	23	23