

COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
PINE CANYON RD, ET AL.

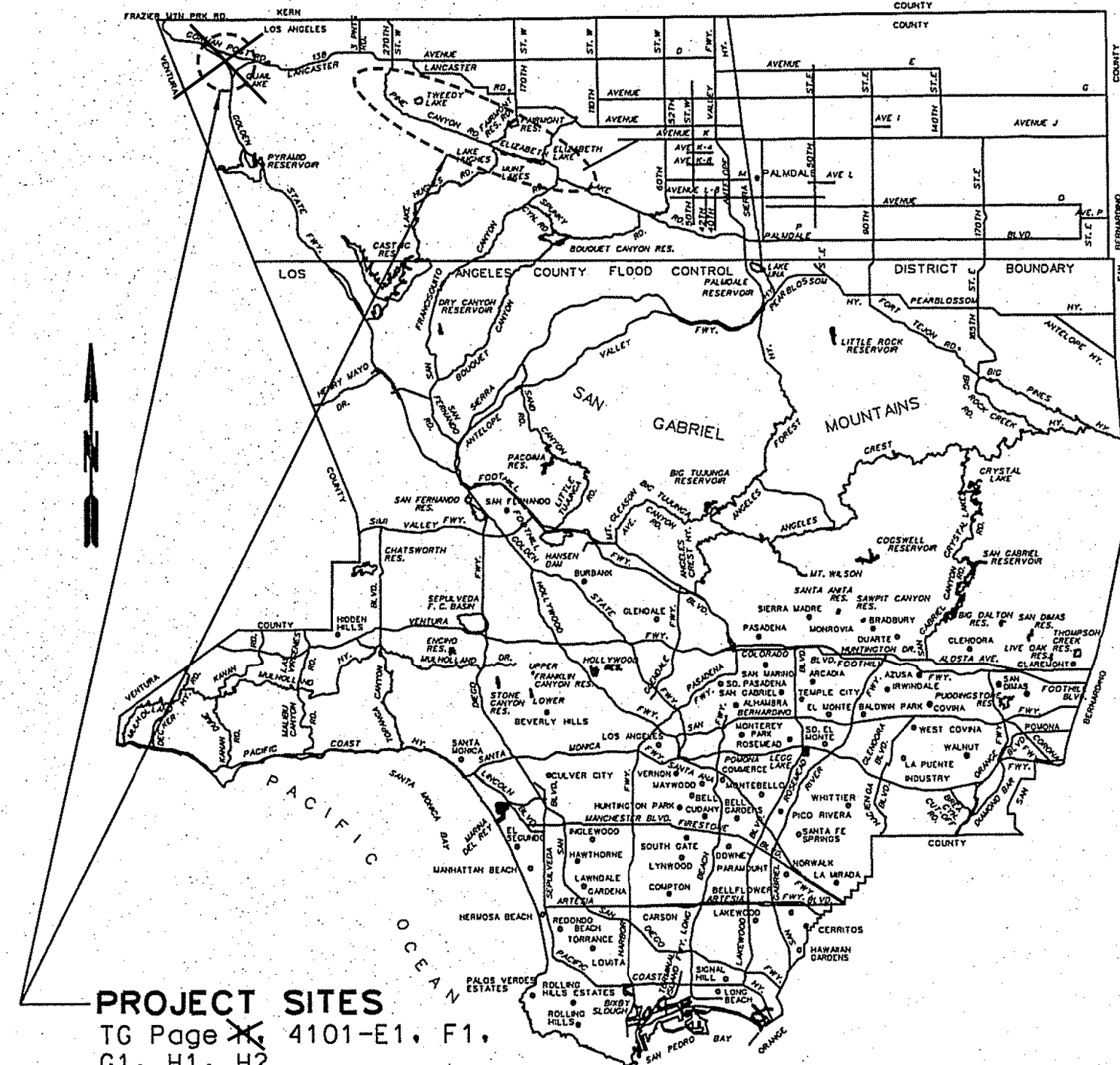
TOTAL LENGTH: 9.59 MILES

INDEX

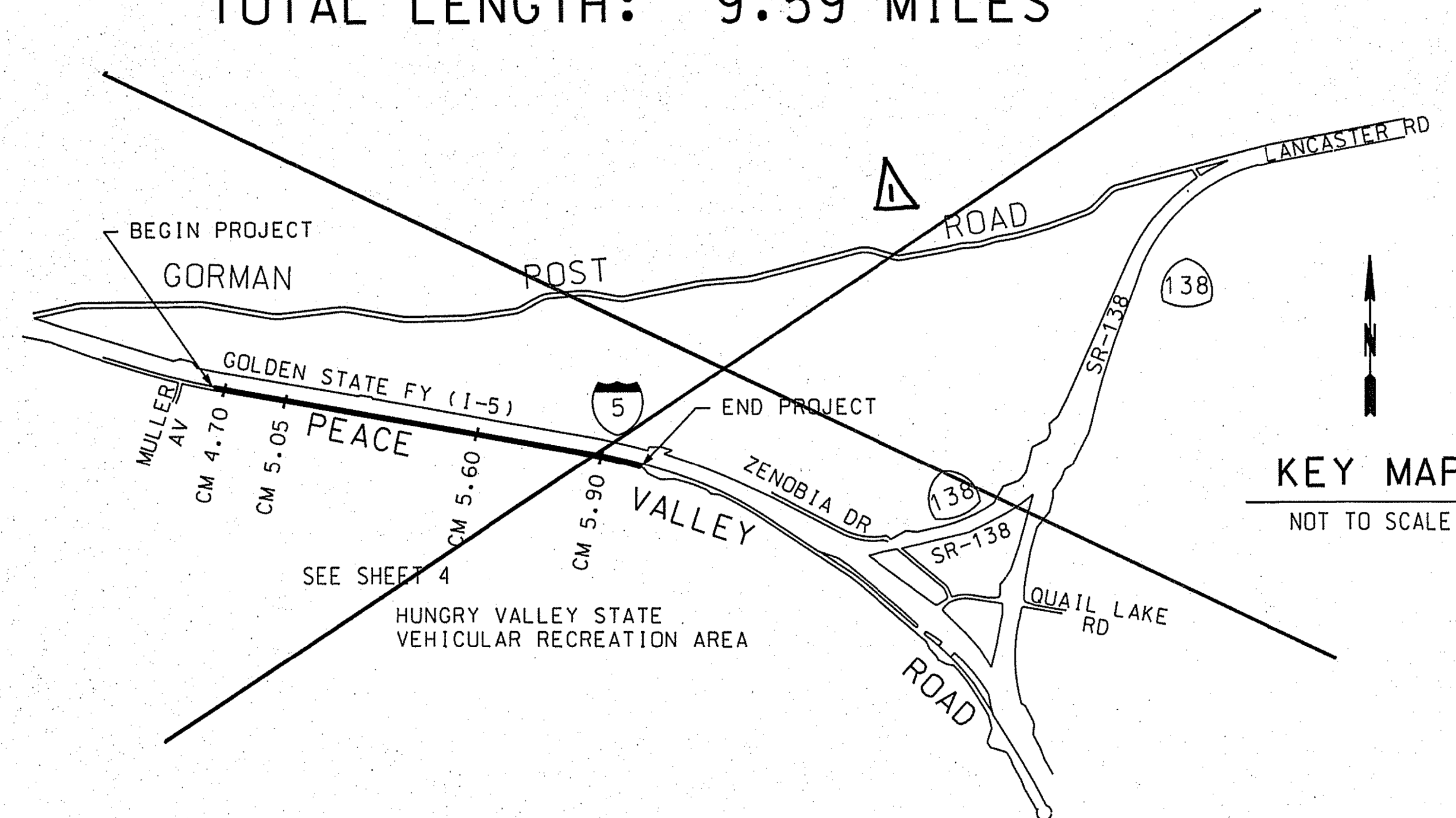
SHEET NO. 1	TITLE SHEET
SHEET NO. 2	CONSTRUCTION NOTES AND REFERENCES
SHEET NO. 3	TYPICAL SECTIONS AND DETAILS
SHEET NO. 4	PAVING AND GUARD RAIL DETAILS
SHEET NO. 5-15	PLAN
SHEET NO. 16	DRAINAGE DETAIL
PLAN SP	SIGNING AND STRIPING PLAN
PLAN TC	TRAFFIC CONTROL PLAN

PROJECT LIMITS

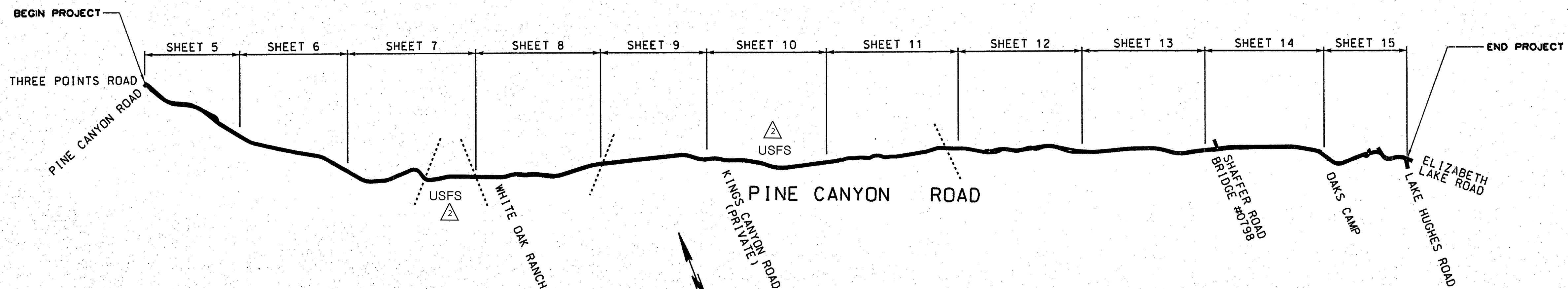
PINE CANYON ROAD - THREE POINTS RD TO LAKE HUGHES RD
PEACE VALLEY ROAD - 286' W/O CM 4.70 TO 33' E/O CM 5.90



LOCATION MAP
N.T.S.



KEY MAP
NOT TO SCALE



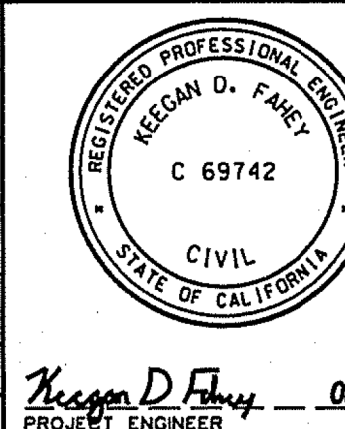
KEY MAP
NOT TO SCALE

AS BUILT DRAWINGS



CADD PROJECT FILE NAME
RDC0014131.dgn
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TWO DAYS BEFORE YOU DIG CALL USA TOLL FREE 1-800-227-2600	APPROVED CALIFORNIA DIRECTOR OF PUBLIC WORKS BY <i>Patrick V. McQuinn</i> 2-19-2014 DEPUTY DIRECTOR			
	RECOMMENDED BY <i>[Signature]</i> 9/16/13 ASSISTANT DEPUTY DIRECTOR			
	SUBMITTED BY <i>[Signature]</i> 9/4/13 HIGHWAY DESIGN SECTION II			
		11/7/17	GENERAL REVISIONS	
		9/2/14	DELETE GUARDRAIL WORK ON PEACE VALLEY ROAD PER T&L'S TRAFFIC ENGINEERING REPORT DATED 8-14-14	
		DATE	DESCRIPTION	
			REVISIONS	



COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS	
PINE CANYON RD, ET AL.	
TITLE SHEET	
PROJECT ID NO. RDC0014131	
PCA	DWG
SHEET 1 OF 16	

DATE

REVIEWED BY

CADD PROJECT FILE NAME
RDC0014131.dgn

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CONSTRUCTION LEGEND

ITEMS UNDERLINED TO BE CONSTRUCTED

PORTLAND CEMENT CONCRETE CURB AND GUTTER

PORTLAND CEMENT CONCRETE CURB

~~ASPHALT CONCRETE DIKE PER CALTRANS STD PLAN A87B, TYPE F~~

PORTLAND CEMENT CONCRETE LONGITUDINAL GUTTER

PORTLAND CEMENT CONCRETE SIDEWALK, 4" THICK

PORTLAND CEMENT CONCRETE SIDEWALK, 6" THICK

PORTLAND CEMENT CONCRETE PAVEMENT ON BASE MATERIAL

ASPHALT CONCRETE PAVEMENT

~~ASPHALT CONCRETE PAVEMENT ON BASE MATERIAL~~

ASPHALT CONCRETE PAVEMENT, VARIABLE THICKNESS

STABILIZATION GEOTEXTILE

SLURRY SEAL

COLD MILL ASPHALT CONCRETE PAVEMENT

DRIVEWAY, TYPE __, Y= VAR UNLESS OTHERWISE SHOWN

ALLEY INTERSECTION (ON 6" CMB)

CROSS GUTTER (ON 6" CMB)

RETAINING STRUCTURE

~~DRAINAGE SYSTEM AS SHOWN ON SHEET INDICATED~~

REINFORCED CONCRETE STAIRWAY

CURB RAMP, CASE ____, SECTION ____, UNLESS OTHERWISE SHOWN

CONCRETE BUS PAD

ASPHALT RUBBER HOT MIX (ARHM)

RUBBERIZED ASPHALT CONCRETE (RBAC), VARIABLE THICKNESS OR ASPHALT RUBBER HOT MIX (ARHM), VARIABLE THICKNESS

FURNISH AND PLANT TREE (PER CONSTRUCTION NOTE 6)

DROP CROTCH TRIM AND ROOT PRUNE TREE. FURNISH AND INSTALL ROOT CONTROL BARRIER

ADJUST MANHOLE

DOUBLE ADJUST MANHOLE

RECONSTRUCT MANHOLE

TREE WELL COVERS, TYPE ____, CASE ____

CURB DRAIN, CASE ____, N = ____

PARKWAY DRAIN, INLET TYPE ____, S = ____

RUBBERIZED EMULSION AGGREGATE SLURRY

CHAIN LINK FENCE AND GATES, H= ____, UNLESS OTHERWISE SHOWN

~~METAL BEAM GUARD RAIL, PER CALTRANS STD PLAN A77A2~~

~~SHORTRAC ATTENUATING CRASH CUSHION BY TRINITY INDUSTRIES, INC., OR AGENCY APPROVED EQUAL~~

ASPHALT RUBBER AND AGGREGATE MEMBRANE (ARAM)

~~SHOULDER GRADING IMPORTED BORROW~~

COLD IN-PLACE RECYCLED AC PAVEMENT (CIRACP), 3" THICK

PCC TERRACE DRAIN

~~RIP RAP (LIGHT CLASS)~~

~~REMOVE EXISTING GUARD RAIL~~

~~IN-LINE TERMINAL SYSTEM END TREATMENT, L=50' (PER SPECIAL PROVISIONS)~~

~~FLARED TERMINAL SYSTEM END TREATMENT, L=37.5' (PER SPECIAL PROVISIONS)~~

IMPORTED RECLAIMED AC PAVEMENT (RAP)

~~REMOVE EXISTING HEADWALL~~

~~CABLE RAILING~~

CONSTRUCTION NOTES

CHECKED BOXES ARE FOR ITEMS APPLICABLE TO THIS PROJECT

1. PRIME CONTRACTOR LICENSE REQUIRED: CLASS A OR C12.

2. STANDARD PLANS REFERENCED ARE PER THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC) UNLESS OTHERWISE NOTED.

3. PRIOR TO RESURFACING WITH RBAC OR ARHM, FILL ALL HOLES AND CRACKS WIDER THAN 1/4" WITH SS-1h EMULSIFIED ASPHALT AND SAND. PAYMENT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR RUBBERIZED ASPHALT CONCRETE OR ASPHALT RUBBER HOT MIX

4. PRIOR TO RESURFACING WITH AC, FILL ALL HOLES AND CRACKS WITH SS-1h EMULSIFIED ASPHALT AND SAND. PAYMENT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR AC PAVEMENT.

5. REPLACE AND RELOCATE TRAFFIC SIGNAL AND STREET LIGHTING PULL BOXES AFFECTED BY CURB RAMP AND SIDEWALK CONSTRUCTION. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE FOR NO. 6 PULL BOX.

6. FURNISH AND PLANT 15 GALLON TREE, PER STD PLAN 520-2 CASE ____, DOUBLE STAKING PER STD PLAN 518-2.

7. ELEVATIONS SHOWN ARE IN FEET BASED ON LANCASTER WEST 1998 QUAD 1998 ADJUSTMENT, NAVD 1988 DATUM.

8. ELEVATIONS SHOWN ARE IN FEET ABOVE MEAN SEA LEVEL BASED ON ____ ADJUSTMENT, NGVD 1929 DATUM.

9. WITHIN THE PROJECT LIMITS, THE CONTRACTOR SHALL INSTALL A BLUE RAISED RETROREFLECTIVE PAVEMENT MARKER (RPM) ON THE FINISHED SURFACE AT EACH FIRE HYDRANT LOCATION PER CALIFORNIA 2014 MUTCD PART 3 - FIGURE 3B-102 (CA). AS DESCRIBED IN THE SPECIAL PROVISIONS.

10. THE AGENCY SHALL RESTORE THE PAVEMENT STRIPING AND PAVEMENT MARKINGS. THE CONTRACTOR SHALL CONTACT MR. DAVID FRYER OF THE OPERATIONAL SERVICES DIVISION AT (661) 265-7134, 30 DAYS PRIOR TO THE COMPLETION OF PAVEMENT WORK.

GUARDRAIL NOTES

1) ALL GUARDRAIL LENGTHS AND LOCATIONS ARE TO BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.

2) GUARDRAIL SHALL BE CONSTRUCTED PER CALTRANS STD. PLAN. STEEL POSTS ARE TO BE USED FOR ALL INSTALLATIONS UNLESS OTHERWISE NOTED ON PLAN.

3) INSTALL RAILING APPROACH TRANSITIONS FOR FIXED OBJECTS PER CALTRANS STD. PLAN A77G3 AT ALL APPLICABLE LOCATIONS OR AS DIRECTED BY THE ENGINEER.

4) POSTS LOCATED DIRECTLY OVER A CULVERT MAY BE ELIMINATED AND THE GUARDRAIL SPANNING THE GAP DOUBLED TO PROVIDE STABILITY. FOR DETAILS SEE FIGURE 7-9, LONG SPAN NESTED GUARDRAIL IN CHAPTER 7, ON PAGE 7-31, OF THE CALTRANS TRAFFIC MANUAL.

CONSTRUCTION SYMBOLS

INDICATES WORK PER CONSTRUCTION LEGEND

CURVE DATA SHOWN IN TABLE ON PLAN

2" P4 ABOVE LINE: INDICATES THE TYPE OF STANDARD OR THICKNESS OF SURFACE MATERIAL IN INCHES; STD PLAN VARIABLES: CURB RAMP CASE, TYPE, SECTION AND DETAIL; OR TREE PLANTING CASE

5" CMB BELOW LINE: REFERENCE TO DETAIL OR THICKNESS OF BASE MATERIAL IN INCHES OR TREE WELL CASE

5" x b 4" CMB ABOVE LINE: a = LENGTH PARALLEL TO CURB b = LENGTH PERPENDICULAR TO CURB

← R REMOVE TREE

14" x b 2" P4 ABOVE LINE: a = WIDTH OF DRIVEWAY BEHIND APRON b = DISTANCE BACK OF APRON

BELOW LINE: THICKNESS AND TYPE OF SURFACE MATERIALS BEHIND APRON

LEFT OF LINE: STA OF THE DRIVEWAY APRON

RIGHT OF LINE: DRIVEWAY WIDTH "W" OF APRON

19" C, L, S, R, T ABOVE LINE: STD PLAN VARIABLES

LEFT OF LINE: STA OF THE STAIRWAY

RIGHT OF LINE: STAIRWAY WIDTH AND TYPE

STA W, TYPE

MT W MEDIAN TAPER PER STD PLAN 140-2

MF W MEDIAN FLARE PER STD PLAN 141-1

← RU UTILITY TO BE RELOCATED BY OWNER

STANDARD PLANS

SPPWC, 2009 EDITION

SOURCE DESCRIPTION SHT. NO TYPE

SPPWC STEEL FLARED END SECTION 351 2

SPPWC CONCRETE COLLAR FOR RCP 380 4

STATE OF CALIFORNIA, 2015 EDITION

SOURCE DESCRIPTION SHT. NO TYPE

CALTRANS MIDWEST GUARDRAIL SYSTEM STD RAILING SECTION (STEEL POST WITH NOTCHED WOOD OR NOTCHED RECYCLED PLASTIC BLOCK) RSP A77L2

CALTRANS MIDWEST GUARDRAIL SYSTEM STEEL POST, NOTCHED WOOD BLOCK DETAILS RSP A77N2

CALTRANS MIDWEST GUARDRAIL SYSTEM TYPICAL LINE POST EMBEDMENT AND HINGE POINT OFFSET DETAILS RSP A77N3

CALTRANS METAL BEAM GUARD RAILING TYPICAL RAILING DELINEATION AND DIKE POSITIONING DETAILS A77C4

CALTRANS MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR EMBANKMENTS RSP A77P1

CALTRANS METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS A77G3

CALTRANS METAL RAILING END ANCHOR ASSEMBLY (TYPE SFT) A77H1

CALTRANS ASPHALT CONCRETE DIKE A87B

CALTRANS CABLE RAILING B11 47

CALTRANS - OVERSIDE DRAINS D87D

CALTRANS PIPE CULVERT HEADWALLS STRAIGHT AND "L" D89

CALTRANS PIPE CULVERT HEADWALLS TYPES A, B, C D90

CALTRANS CONCRETE FLARED END SECTION D94B

CALTRANS CORRUGATED METAL PIPE COUPLING DETAILS NO. 1 ANNULAR COUPLING BAND BAR AND STRAP AND ANGLE CONNECTIONS D97A

LACDPW, 2000 EDITION

SOURCE DESCRIPTION SHT. NO TYPE

LACDPW RURAL CATCH BASIN 3015 0

LACDPW PIPE BEDDING IN TRENCHES 3080 3 CASE 3

NON-STANDARD ABBREVIATIONS

AC ASPHALT CONCRETE

CIRACP COLD IN-PLACE RECYCLED AC PAVEMENT

COM COMMERCIAL

CM CULVERT MARKER

C&G CURB AND GUTTER

DIA DIAMETER

FES FLARED END SECTION

GMP GRATE METAL PIPE

GR GRADE

HDWL HEADWALL

IE INVERT ELEVATION

MBGR METAL BEAM GUARD RAIL

PROP PROPOSED

RAP RECLAIMED AC PAVEMENT

RES RESIDENTIAL

TG TOP OF GRATE ELEVATION

TRANS TRANSITION

TW TOP OF WALL

TYP TYPICAL

REFERENCES

1. FINAL MATERIALS TEST REPORT, LAB No. 37161, DATED 11/7/17

2. PWFB 3515, PG 302-305

3. PWFB 3612, PG 3-12

4. PWFB 3613, PG 3-33

5. PWFB 3614, PG 32-53

6. PWFB 3615, PG 70

7. PWFB 3710, PG 7-18

8. PWFB 3711, PG 2-41

9. PWFB 3712, PG 2-9

10. PWFB 3810, PG 30-33

11. PWLB 3515, PG 119-121

12. PWLB 3612, PG 1-10

13. PWLB 3613, PG 1-13

14. PWLB 3614, PG 1-15

15. PWLB 3615, PG 1

16. PWLB 3710, PG 1-6

17. PWLB 3711, PG 1-17

18. PWLB 3712, PG 1-7

19. PWLB 3810, PG 1-2

AC PAVEMENT CLASS AND GRADE LEGEND

P1 C2 - PG 64-16

B - PG 64-16

P2 C2 - PG 64-16

P3 B - PG 64-16

P4 D2 - PG 64-16

CONVENTIONAL SYMBOLS

EXISTING TOPOGRAPHY

PROPOSED IMPROVEMENTS

CURB

CURB AND GUTTER

GUTTER

PAVEMENT CONCRETE

AC

CURB RAMP

BUILDING

BARRICADE

FENCE

GUY POLE

DRIVEWAY

FIRE HYDRANT

GUARDRAIL

GUY WIRE

MANHOLE

PIPE

CONNECTOR PIPE

MAIN LINE

POLE

PROPERTY LINE

R/W LINE

PULL BOX

RAILROAD

RR XING PROTECTION

SHRUB

SIDEWALK

SIGNAL CONTROL BOX

SIGNAL FLASHING

TRAFFIC LOOP

STREET LIGHT

PALM TREE

OAK TREE

OTHER TREE

VALVE

VAULT

BRICK (BLOCK) WALL

CONCRETE WALL

STONE WALL

TOP OF SLOPE

TOE OF SLOPE

STAND PIPE

SHADED IF NOT CONTINUOUS

REVISIONS

DATE MK DESCRIPTION

11/7/17 2 GENERAL REVISIONS

9/2/14 1 DELETE (35)

DATE MK DESCRIPTION

REVISIONS

KEESAN D. FANEY

REGISTERED PROFESSIONAL ENGINEER

C 69742

CIVIL

STATE OF CALIFORNIA

PROJECT ENGINEER

07/29/13

DATE

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

PINE CANYON RD, ET AL.

CONSTRUCTION NOTES AND REFERENCES

PROJECT ID NO. RDC0014131

PCA

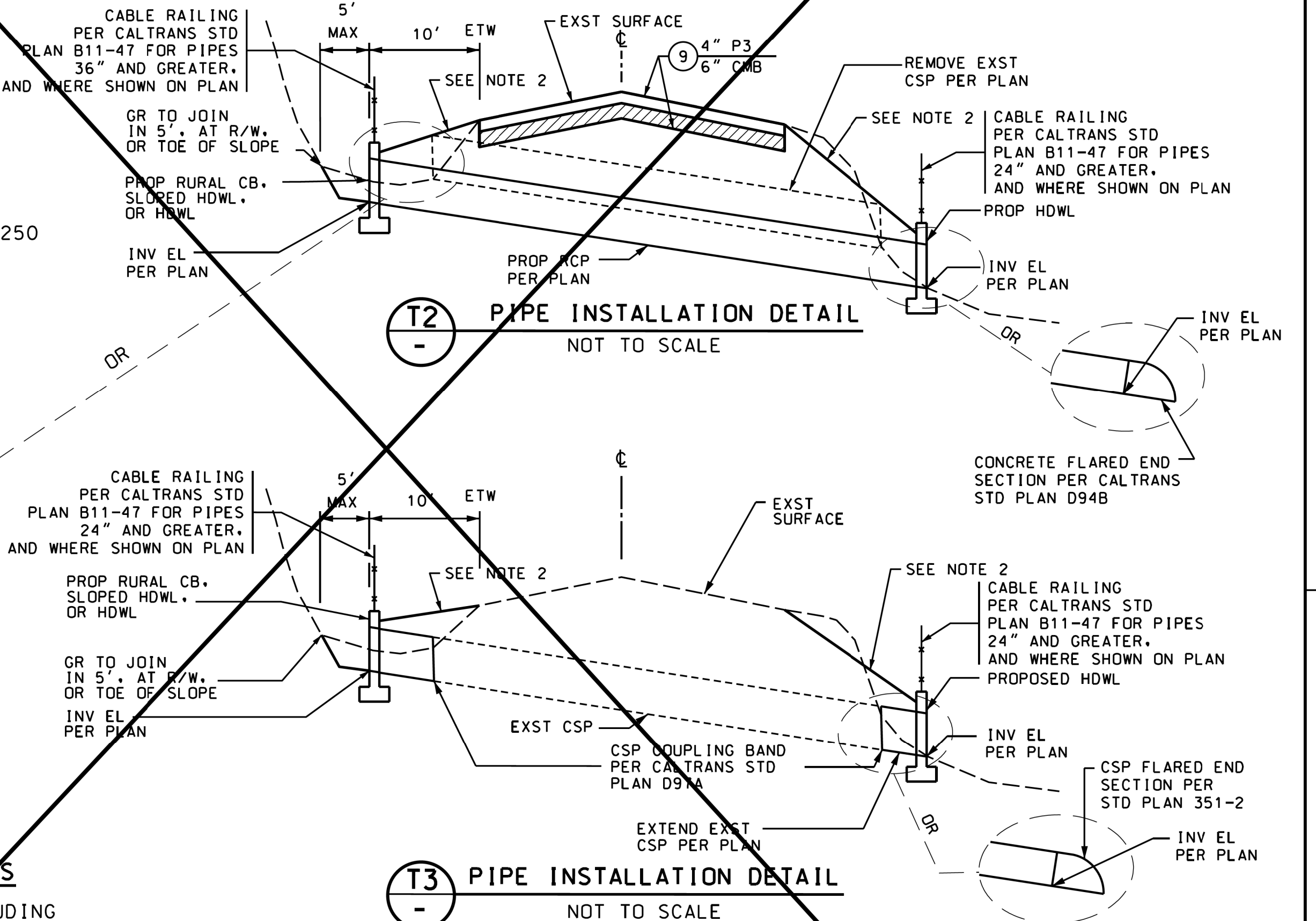
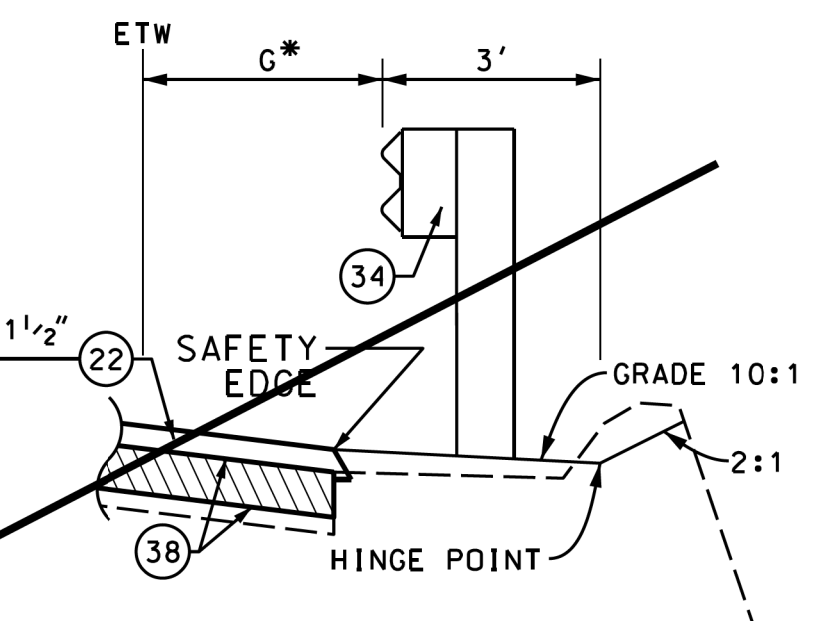
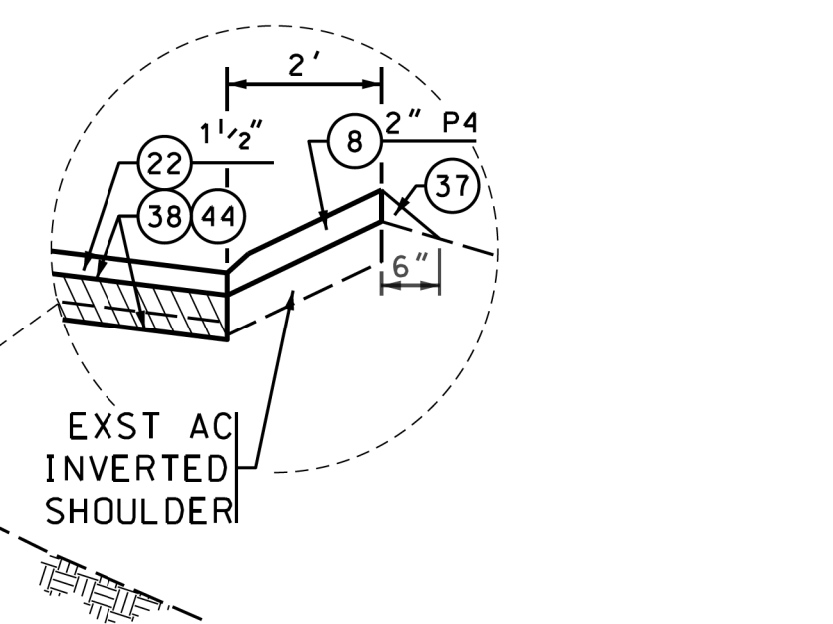
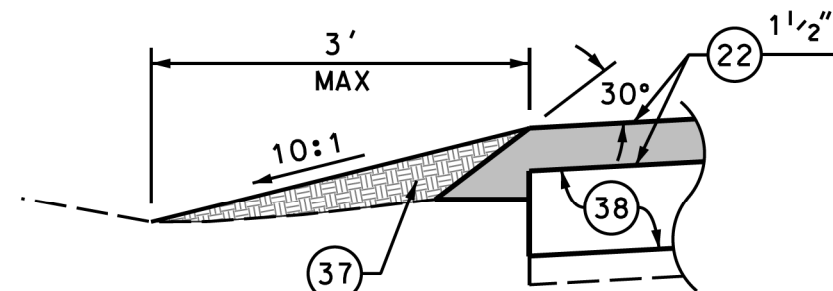
DWG

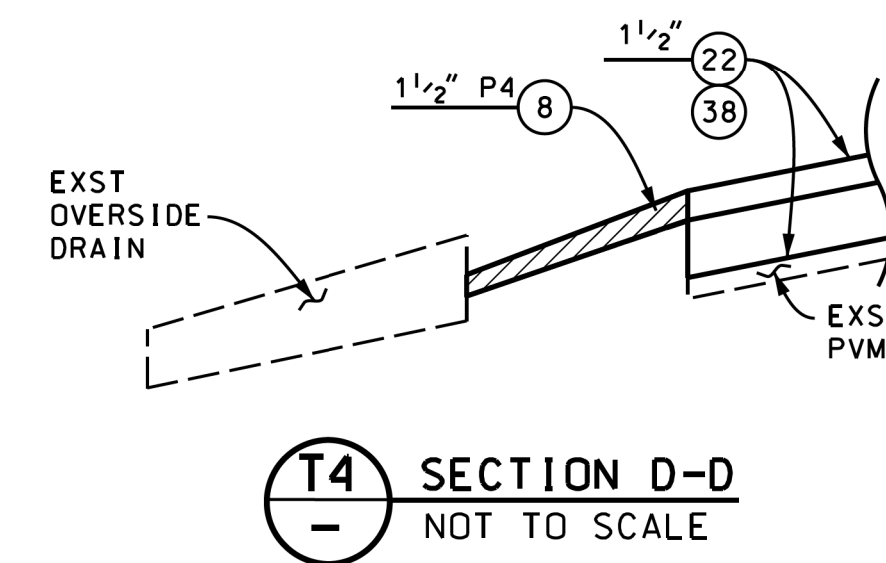
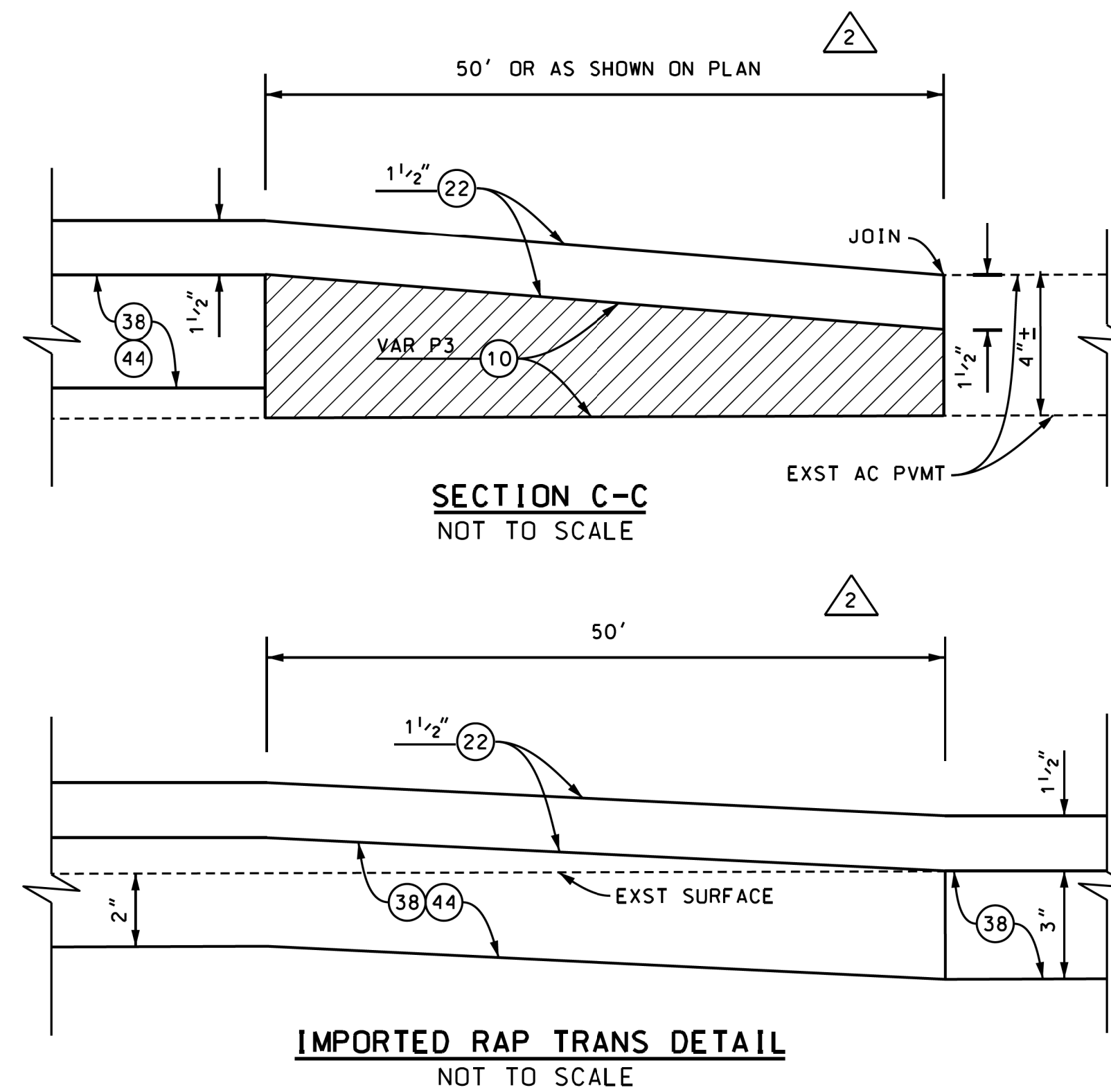
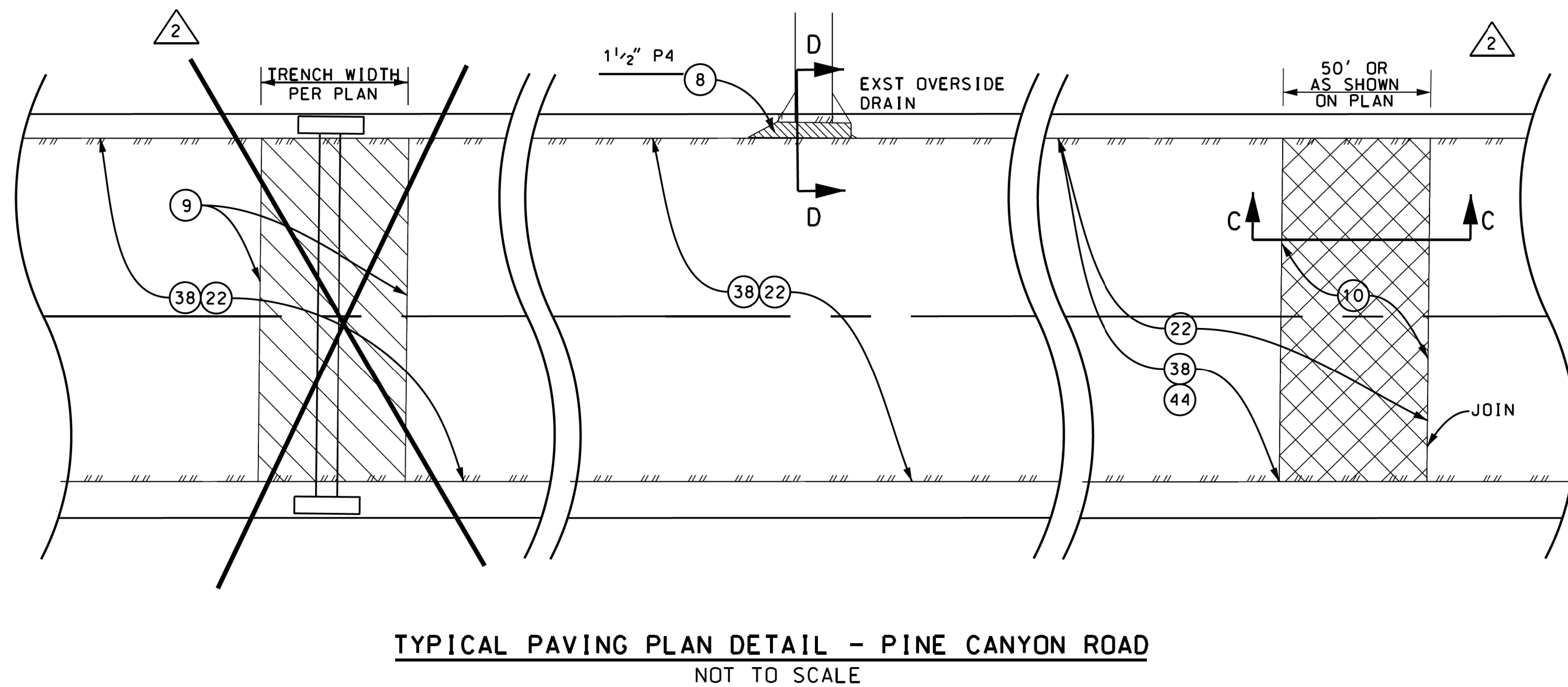
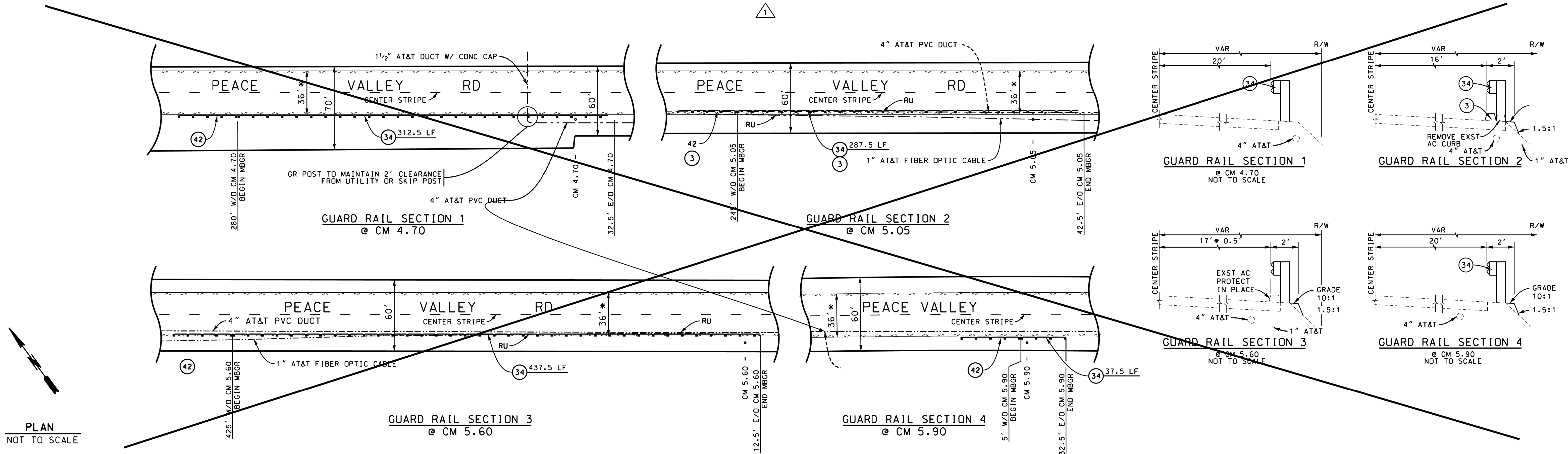
SHEET 2 OF 16

PS-CNR-DKLDON 04/06

AS BUILT DRAWINGS

DATE: 8/20/18 TIME: 8:15AM FILE: 8/15/18





DATE	REVIEWED BY	CAD PROJECT FILE NAME	CHECKER	DESIGNER	DRAWN
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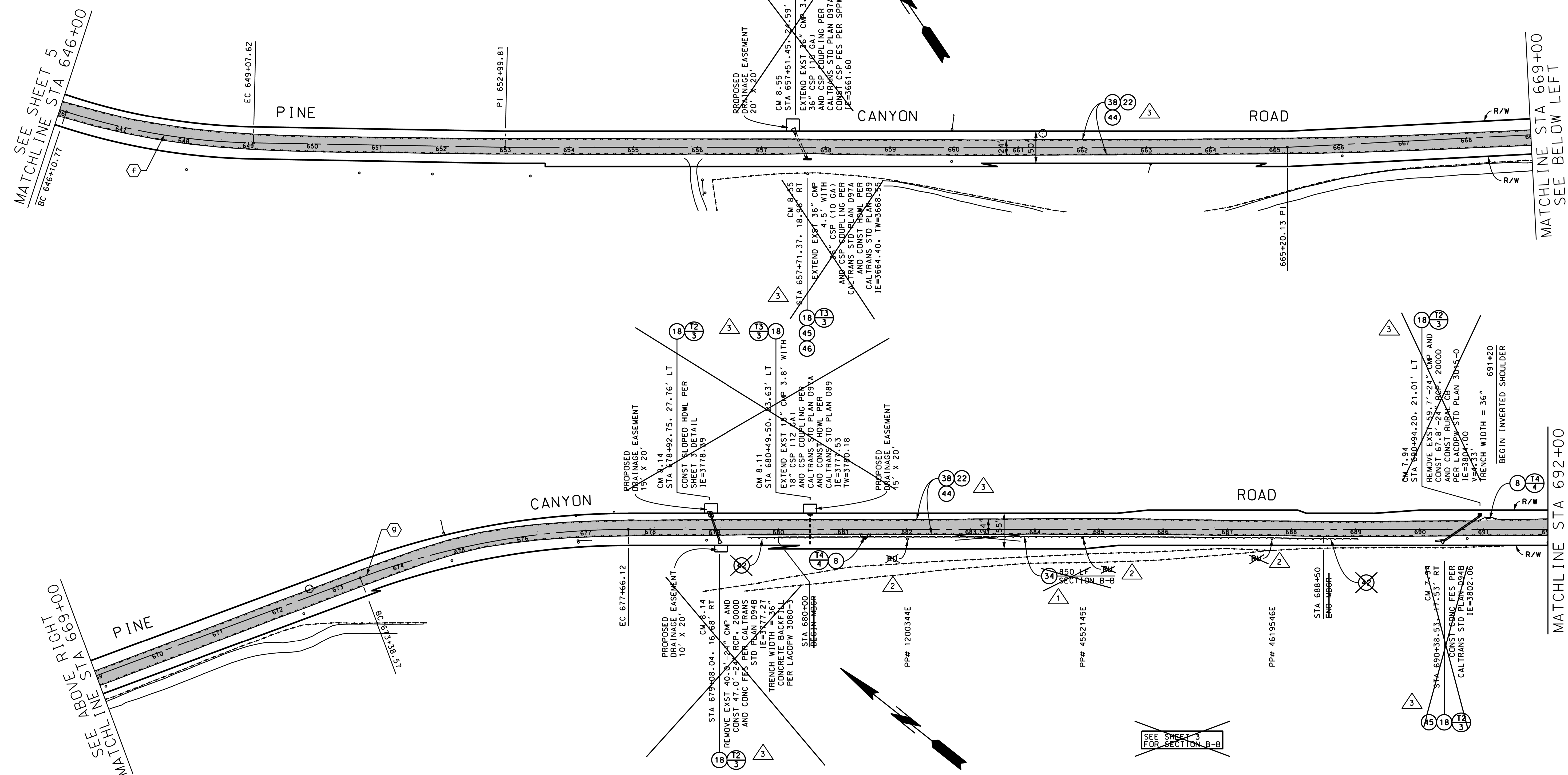
DATE	MK	DESCRIPTION
11/7/17	2	GENERAL REVISIONS
9/2/14	1	DELETE GUARDRAIL WORK ON PEACE VALLEY RD PER T&E TRAFFIC ENGINEERING REPORT DATED 8-14-14



COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS	
PINE CANYON RD. ET AL. 2	
PAVING DETAILS AND	
PEACE VALLEY RD GUARD RAIL INSTALLATION	
PROJECT ID NO. RDC0014131	
PCA	DWG
SHEET 4 OF 16	

AS BUILT DRAWINGS

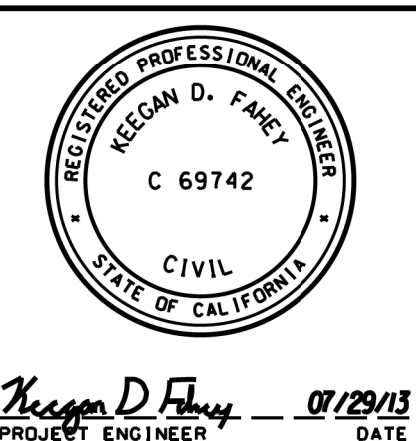
BENCH MARK NO. 11 PWLB 3711 0001
SPK IN N SIDE PP (NO#) 1FT UP 19FT S/O C/L PINE CYN
RD & 1.3MI SE/O THREE POINTS RD @ WIRE FENCE
ELEV.=3719.240
LA CO DPW BENCH MARK LIST
LANCASTER WEST 1998 QUAD
NAVO '88 DATUM



SURVEY CL CURVE DATA					
CURVE	CENTRAL ANGLE	RADIUS	LENGTH	TANGENT	PWFB PAGES
(f)	17°00'30"	1000.00'	296.85'	149.53'	3711-26
(g)	20°24'50"	1200.00'	427.55'	216.06'	3711-23

PLAN
SCALE: 1" = 80'

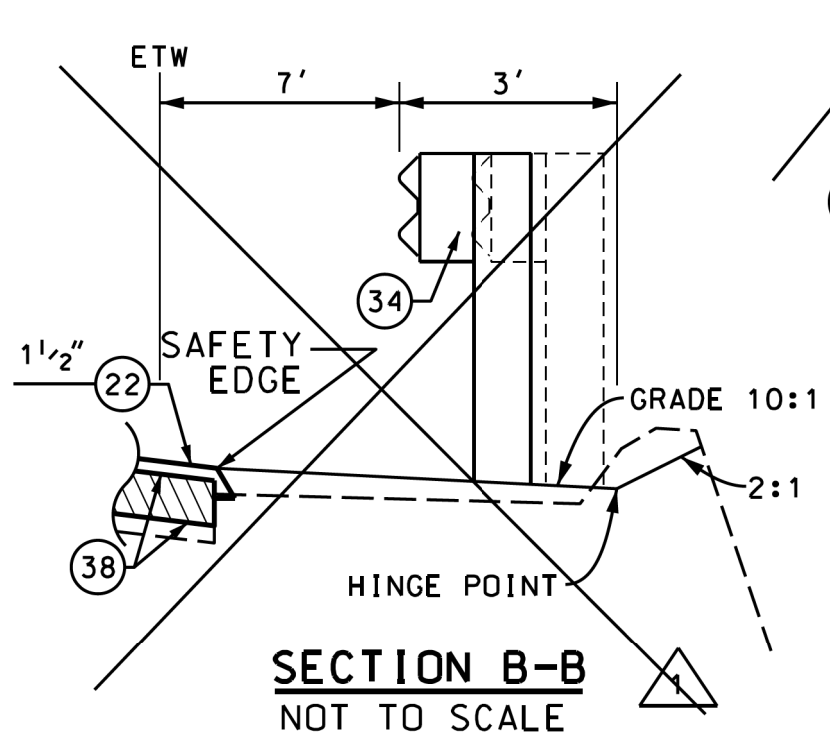
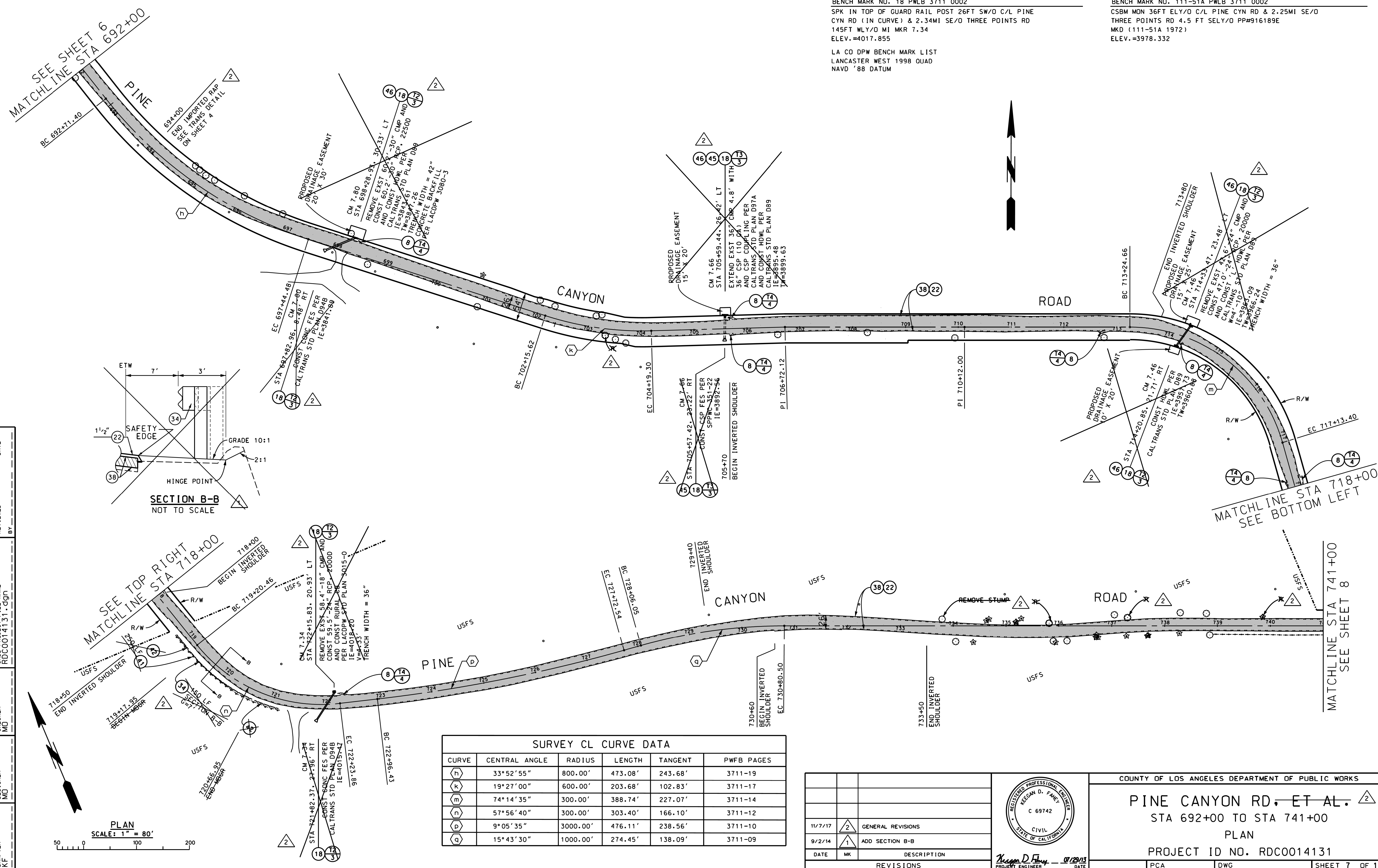
DATE	MK	DESCRIPTION
11/7/17	3	GENERAL REVISIONS
	2	DELETE RU
9/2/14	1	DELETE GUARDRAILS PER T&E'S TRAFFIC ENGINEERING REPORT DATED 5-14-14



COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS		
PINE CANYON RD., ET AL. 3		
STA 646+00 TO STA 692+00		
PLAN		
PROJECT ID NO. RDC0014131		
PCA	DWG	SHEET 6 OF 16

AS BUILT DRAWINGS

DATE
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SURVEY CL CURVE DATA					
CURVE	CENTRAL ANGLE	RADIUS	LENGTH	TANGENT	PWFB PAGES
(h)	33°52'55"	800.00'	473.08'	243.68'	3711-19
(k)	19°27'00"	600.00'	203.68'	102.83'	3711-17
(m)	74°14'35"	300.00'	388.74'	227.07'	3711-14
(n)	57°56'40"	300.00'	303.40'	166.10'	3711-12
(p)	9°05'35"	3000.00'	476.11'	238.56'	3711-10
(q)	15°43'30"	1000.00'	274.45'	138.09'	3711-09

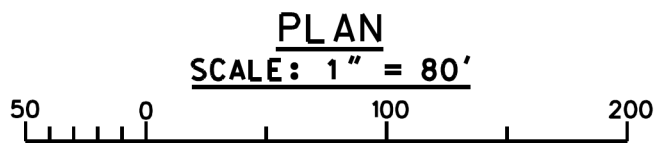
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11/7/17	(2)			GENERAL REVISIONS	
9/2/14	(1)			ADD SECTION B-B	
DATE	MK			DESCRIPTION	
REVISIONS		DATE		DESCRIPTION	

PROJECT ENGINEER: *Keskin D. Fanal* DATE: 07/28/13

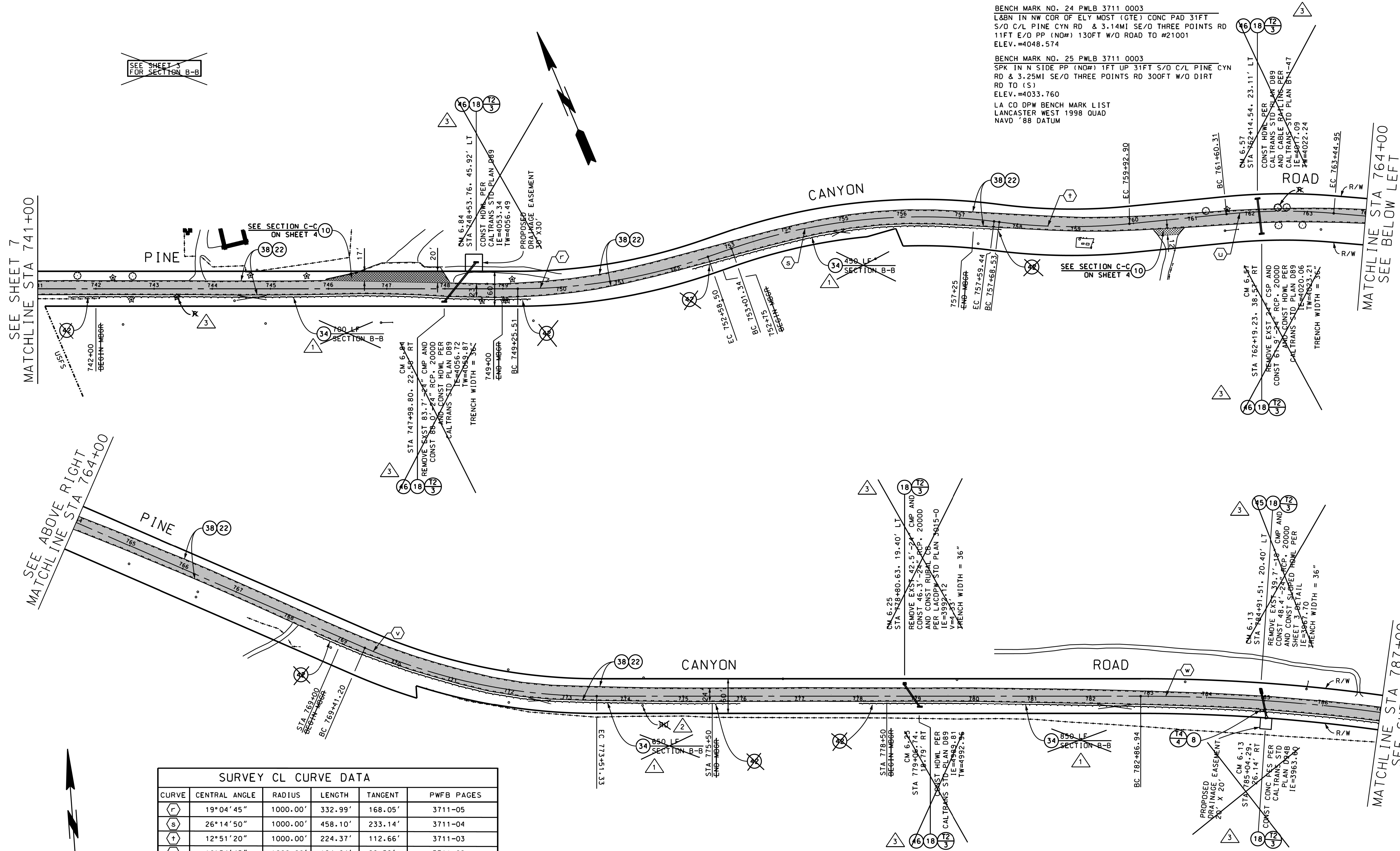
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS					
PINE CANYON RD, ET AL. (2)					
STA 692+00 TO STA 741+00					
PLAN					
PROJECT ID NO. RDC0014131					
PCA	DWG	SHEET 7 OF 16			

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DATE	REVIEWED BY	CADD PROJECT FILE NAME	CHECKER	DESIGNER	DATE
		RDC0014131.dgn			



SURVEY CL CURVE DATA					
CURVE	CENTRAL ANGLE	RADIUS	LENGTH	TANGENT	PWFB PAGES
(r)	19°04'45"	1000.00'	332.99'	168.05'	3711-05
(s)	26°14'50"	1000.00'	458.10'	233.14'	3711-04
(t)	12°51'20"	1000.00'	224.37'	112.66'	3711-03
(u)	10°34'45"	1000.00'	184.64'	92.58'	3711-02
(v)	23°29'55"	1000.00'	410.13'	207.99'	3712-08
(w)	11°22'00"	3000.00'	595.16'	298.56'	3712-04, 05, 06



BENCH MARK NO. 24 PWLB 3711 0003
L&BN IN NW COR OF ELY MOST (GTE) CONC PAD 31FT
S/O C/L PINE CYN RD & 3.14MI SE/O THREE POINTS RD
11FT E/O PP (NO#) 130FT W/O ROAD TO #21001
ELEV.=4048.574

BENCH MARK NO. 25 PWLB 3711 0003
SPK IN N SIDE PP (NO#) 1FT UP 31FT S/O C/L PINE CYN
RD & 3.25MI SE/O THREE POINTS RD 300FT W/O DIRT
RD TO (S)
ELEV.=4033.760
LA CO DPW BENCH MARK LIST
LANCASTER WEST 1998 QUAD
NAVD '88 DATUM

DATE	REVISIONS
11/7/17	GENERAL REVISIONS
9/2/14	DELETE RU
9/2/14	DELETE GUARDRAILS PER T&L'S TRAFFIC ENGINEERING REPORT DATED 5-14-14

REGISTERED PROFESSIONAL ENGINEER
KEOGAN D. FANEY
C 69742
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER
07/29/13

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS	
PINE CANYON RD, ET AL.	
STA 741+00 TO STA 787+00	
PLAN	
PROJECT ID NO. RDC0014131	
PCA	DWG
SHEET 8 OF 16	

AS BUILT DRAWINGS

BENCH MARK NO. 111-48A PWB 3712 0002
CSBM MON 30FT N/O C/L PINE CYN RD & 4.20M SE/O
THREE POINTS RD MKD (111-48A 1972) MKR POST 2FT S/O MON
ELEV.=3885.463

LA CO DPW BENCH MARK LIST
LANCASTER WEST 1998 QUAD
NAVD '88 DATUM

SEE SHEET 3
FOR SECTION A-A
& SECTION B-B

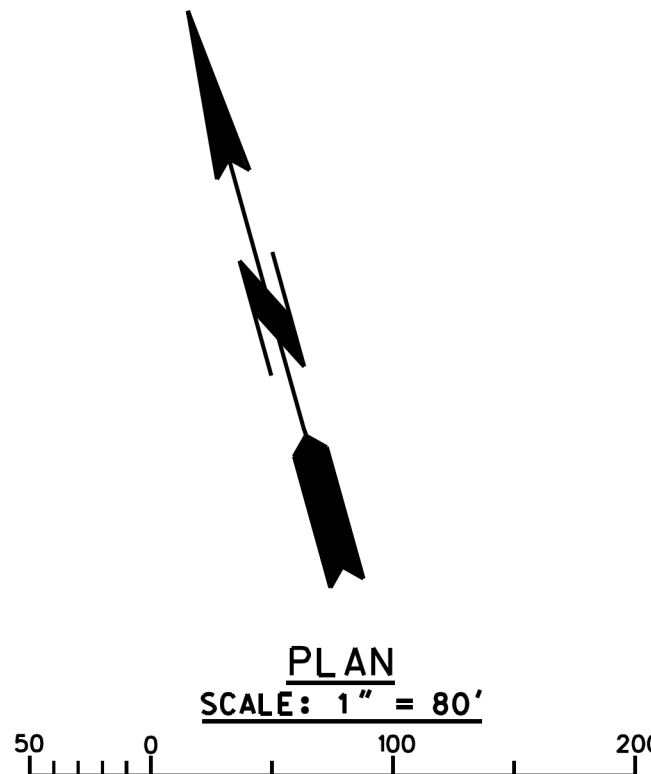
SEE SHEET 8
MATCHLINE STA 787+00

MATCHLINE STA 811+00
SEE BELOW LEFT

SEE ABOVE RIGHT
MATCHLINE STA 811+00

MATCHLINE STA 834+00
SEE SHEET 10

SURVEY CL CURVE DATA					
CURVE	CENTRAL ANGLE	RADIUS	LENGTH	TANGENT	PWFB PAGES
(W)	11°22'00"	3000.00'	595.16'	298.56'	3712-04.05.06
(X)	23°36'10"	1000.00'	411.95'	208.94'	3712-09
(Y)	29°10'40"	900.00'	458.32'	234.25'	3612-11
(a1)	26°10'15"	1000.00'	456.77'	232.44'	3612-10

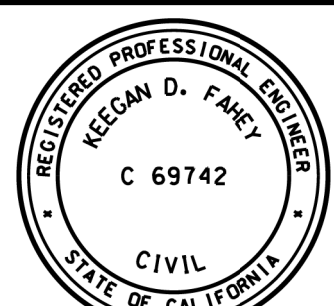


SECTION F-F
NOT TO SCALE

SECTION E-E
NOT TO SCALE

RIP RAP DETAIL @ CM 5.51
NOT TO SCALE

DATE	MK	DESCRIPTION
11/7/17	2	GENERAL REVISIONS
9/2/14	1	DELETE GUARDRAILS PER T&S TRAFFIC ENGINEERING REPORT DATED 5-14-14



PROJECT ENGINEER
DATE 04/29/13

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

PINE CANYON RD, ET AL.

STA 787+00 TO STA 834+00

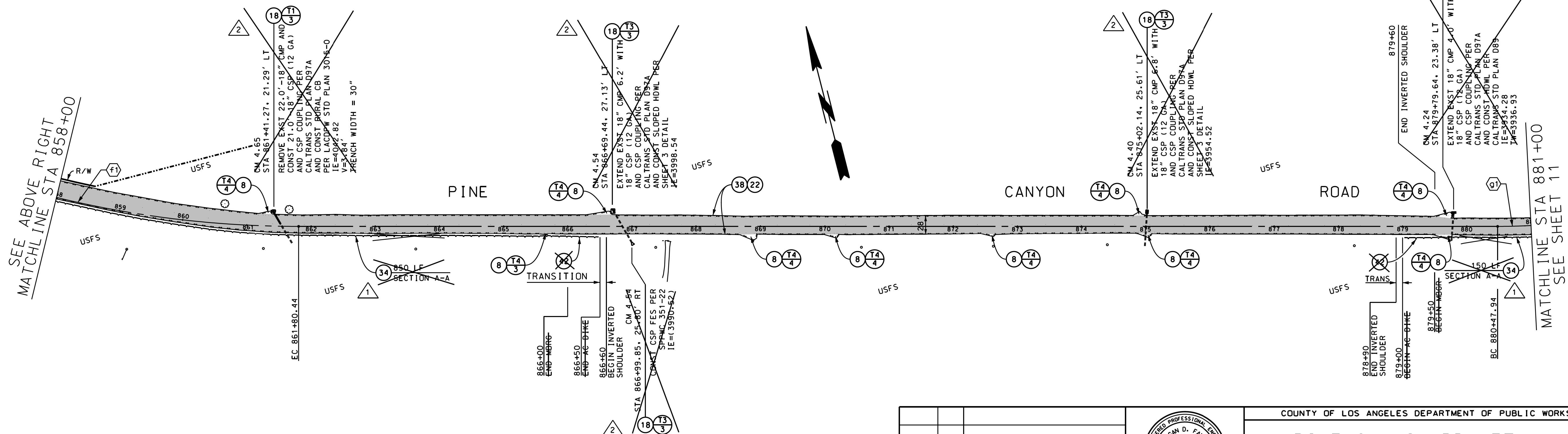
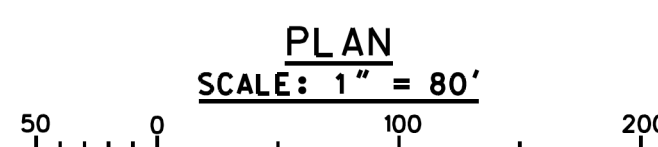
PLAN

PROJECT ID NO. RDC0014131

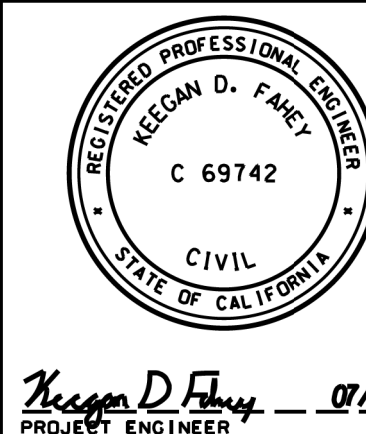
PCA DWG SHEET 9 OF 16

AS BUILT DRAWINGS


SURVEY CL CURVE DATA					
CURVE	CENTRAL ANGLE	RADIUS	LENGTH	TANGENT	PWFB PAGES
(a)	26°10'15"	1000.00'	456.77'	232.44'	3612-10
(b)	14°37'15"	1000.00'	255.18'	128.29'	3612-09
(c)	10°12'40"	1000.00'	178.22'	89.35'	3612-07.08
(e)	9°20'00"	1000.00'	162.90'	81.63'	3612-06
(f)	26°45'10"	1600.00'	747.08'	380.48'	3612-05
(g)	12°01'20"	1000.00'	209.83'	105.30'	3613-32



11/7/17	2	GENERAL REVISIONS
9/2/14	1	DELETE GUARDRAILS PER T&L'S TRAFFIC ENGINEERING REPORT DATED 5-14-14
DATE	MRK	DESCRIPTION
REVISIONS		



COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

PINE CANYON RD., ET AL. 

STA 834+00 TO STA 881+00

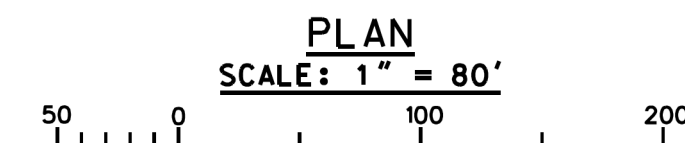
PLAN

PROJECT ID NO. RDC0014131

PCA	DWG	SHEET 10 OF 16
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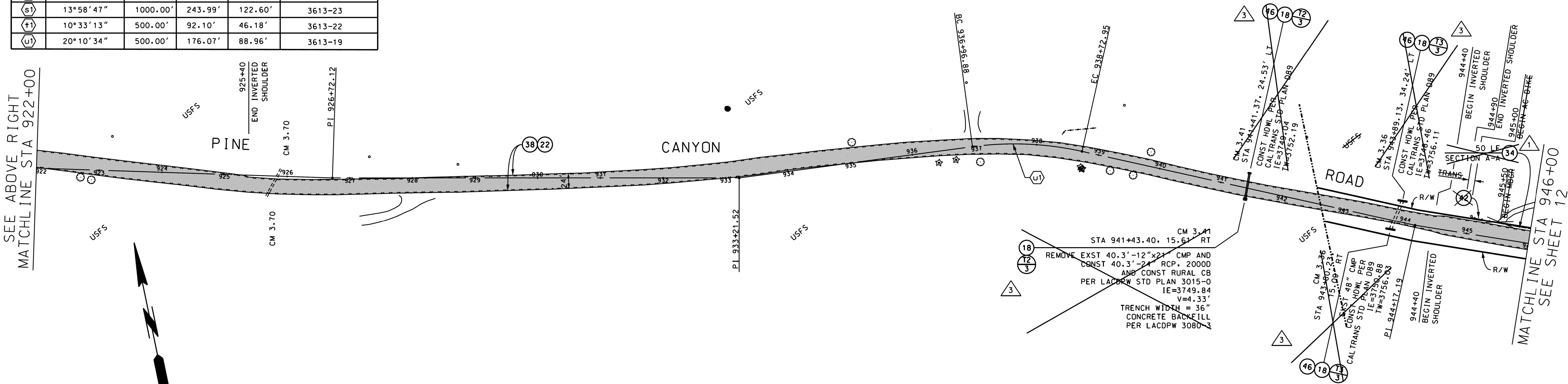
AS BUILT DRAWINGS

DRAFTER KF	DESIGNER MD	CHECKER MD	CADD PROJECT FILE NAME RDC0014131.dgn	REVIEWED BY	DATE
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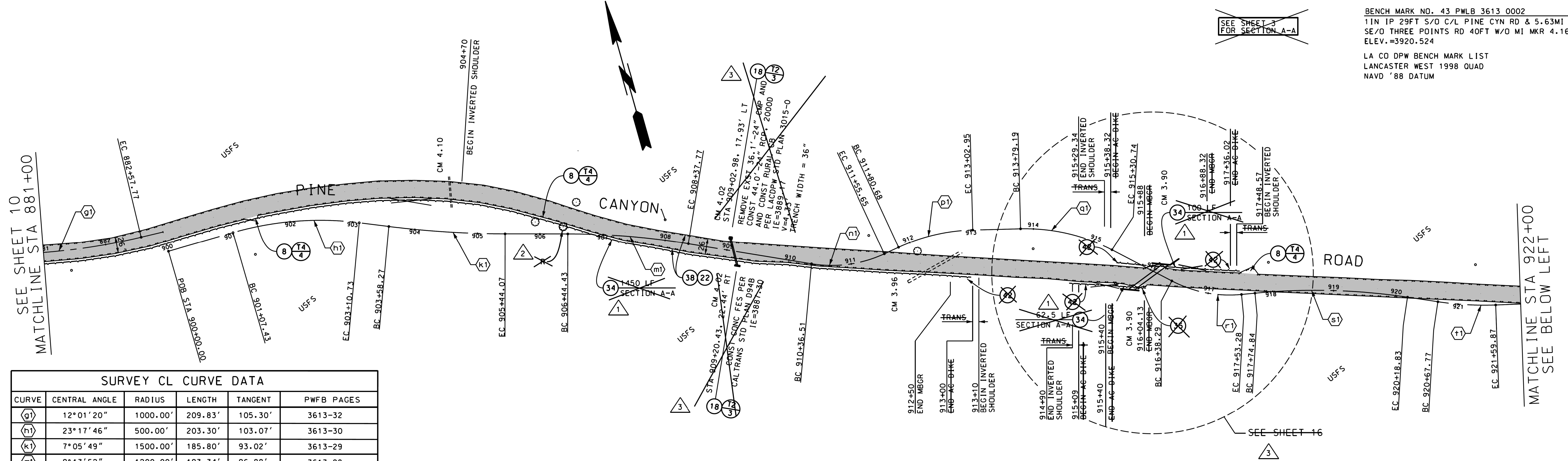


SURVEY CL CURVE DATA					
CURVE	CENTRAL ANGLE	RADIUS	LENGTH	TANGENT	PWFB PAGES
(G1)	12° 01' 20"	1000.00'	209.83'	105.30'	3613-32
(H1)	23° 17' 46"	500.00'	203.30'	103.07'	3613-30
(K1)	7° 05' 49"	1500.00'	185.80'	93.02'	3613-29
(M)	9° 13' 52"	1200.00'	193.34'	96.88'	3613-28
(N1)	34° 07' 57"	200.00'	119.14'	61.40'	3613-27
(P1)	23° 21' 04"	300.00'	122.27'	61.99'	3613-26
(G1)	28° 56' 37"	300.00'	151.55'	77.43'	3613-25
(I1)	32° 56' 32"	200.00'	114.99'	59.13'	3613-24
(S1)	13° 58' 47"	1000.00'	243.99'	122.60'	3613-23
(T1)	10° 33' 13"	500.00'	92.10'	46.18'	3613-22
(U1)	20° 10' 34"	500.00'	176.07'	88.96'	3613-19

SEE ABOVE RIGHT
MATCHLINE STA 922+00



SEE SHEET 10
MATCHLINE STA 881+00

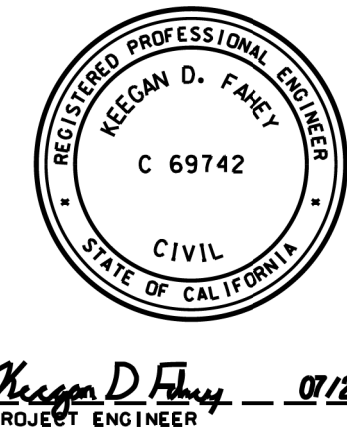


SEE SHEET 3
FOR SECTION A-A

BENCH MARK NO. 43 PWLB 3613 0002
11N 1P 29FT S/O C/L PINE CYN RD & 5.63MI
SE/O THREE POINTS RD 40FT W/O MI MKR 4.16
ELEV. = 3920.524
LA CO DPW BENCH MARK LIST
LANCASTER WEST 1998 QUAD
NAVD '88 DATUM

MATCHLINE STA 922+00
SEE BELOW LEFT

REVISIONS		DESCRIPTION
11/7/17	3	GENERAL REVISIONS
	2	DELETE R
9/2/14	1	DELETE GUARDRAILS PER T&L'S TRAFFIC ENGINEERING REPORT DATED 5-14-14
DATE	MK	DESCRIPTION



PROJECT ENGINEER
07/29/13
DATE

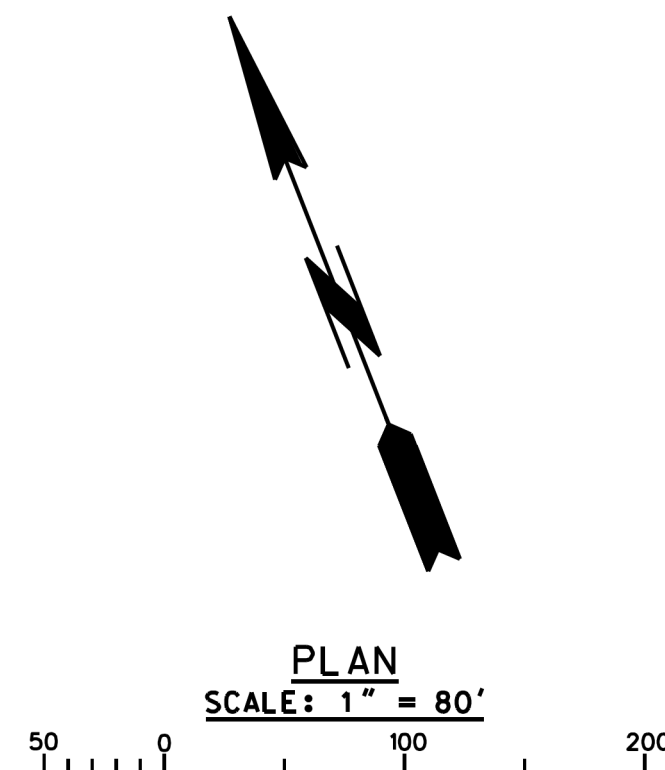
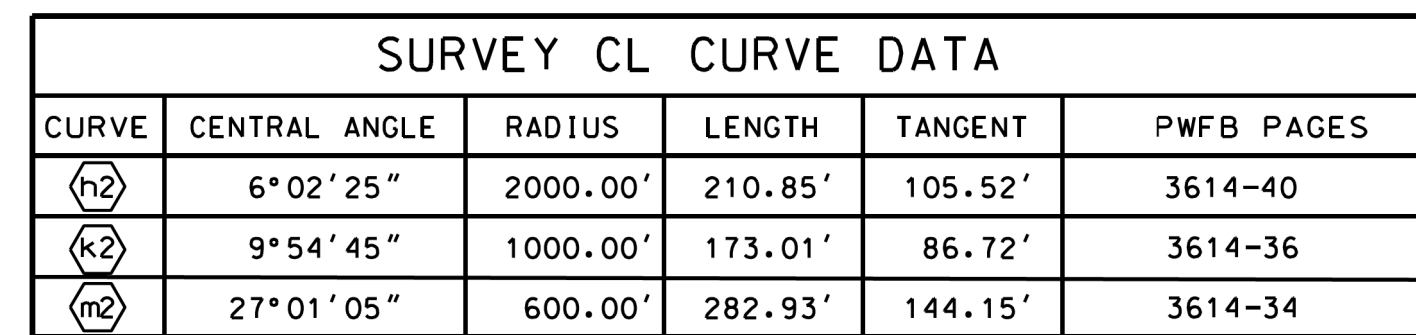
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

PINE CANYON RD., ET AL.
STA 881+00 TO STA 946+00
PLAN
PROJECT ID NO. RDC0014131

PCA DWG SHEET 11 OF 16

AS BUILT DRAWINGS

LA CO DPW BENCH MARK LIST
LANCASTER WEST 1998 QUAD
NAVD '88 DATUM









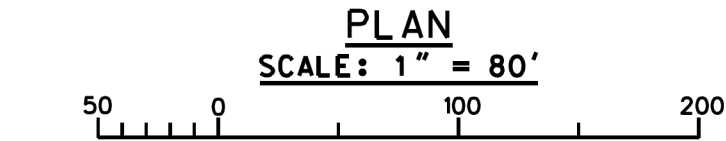
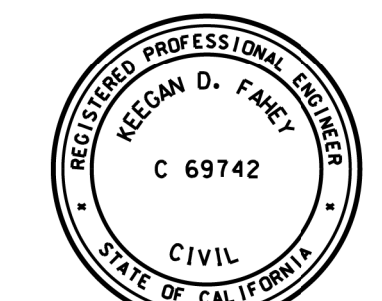
PINE CANYON RD., ~~ET AL.~~ 
STA 1083+00 TO STA 1130+00
PLAN
PROJECT ID NO. RDC0014131


Diagram illustrating a road cross-section with a shoulder and a ditch. The shoulder is labeled "1130+50" and "1130+00". The ditch is labeled "1130+50" and "1130+00". The ditch is labeled "1130+50" and "1130+00". The ditch is labeled "1130+50" and "1130+00".

CURVE	CENTRAL ANGLE	RADIUS	LENGTH	TANGENT	PWFB PAGES
	58° 22' 00"	400.00'	407.48'	223.40'	3614-33
	9° 11' 10"	1000.00'	160.33'	80.34'	3614-32
	62° 09' 40"	300.00'	325.47'	180.83'	3615-70
	68° 51' 10"	350.00'	420.60'	239.89'	3515-305
	40° 44' 00"	700.00'	497.65'	259.86'	3515-303, 304

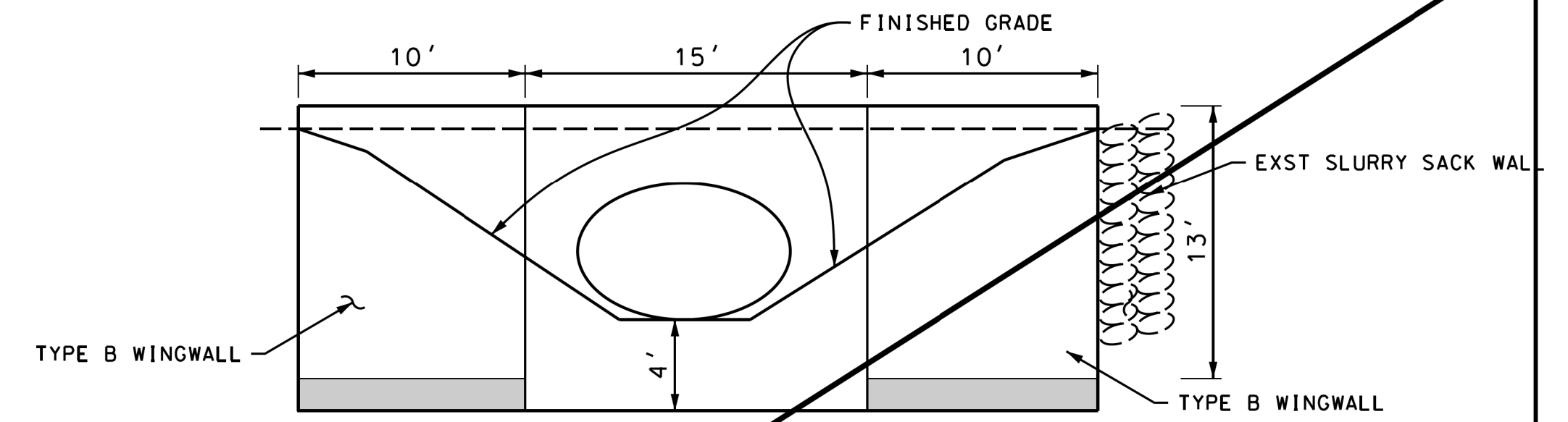
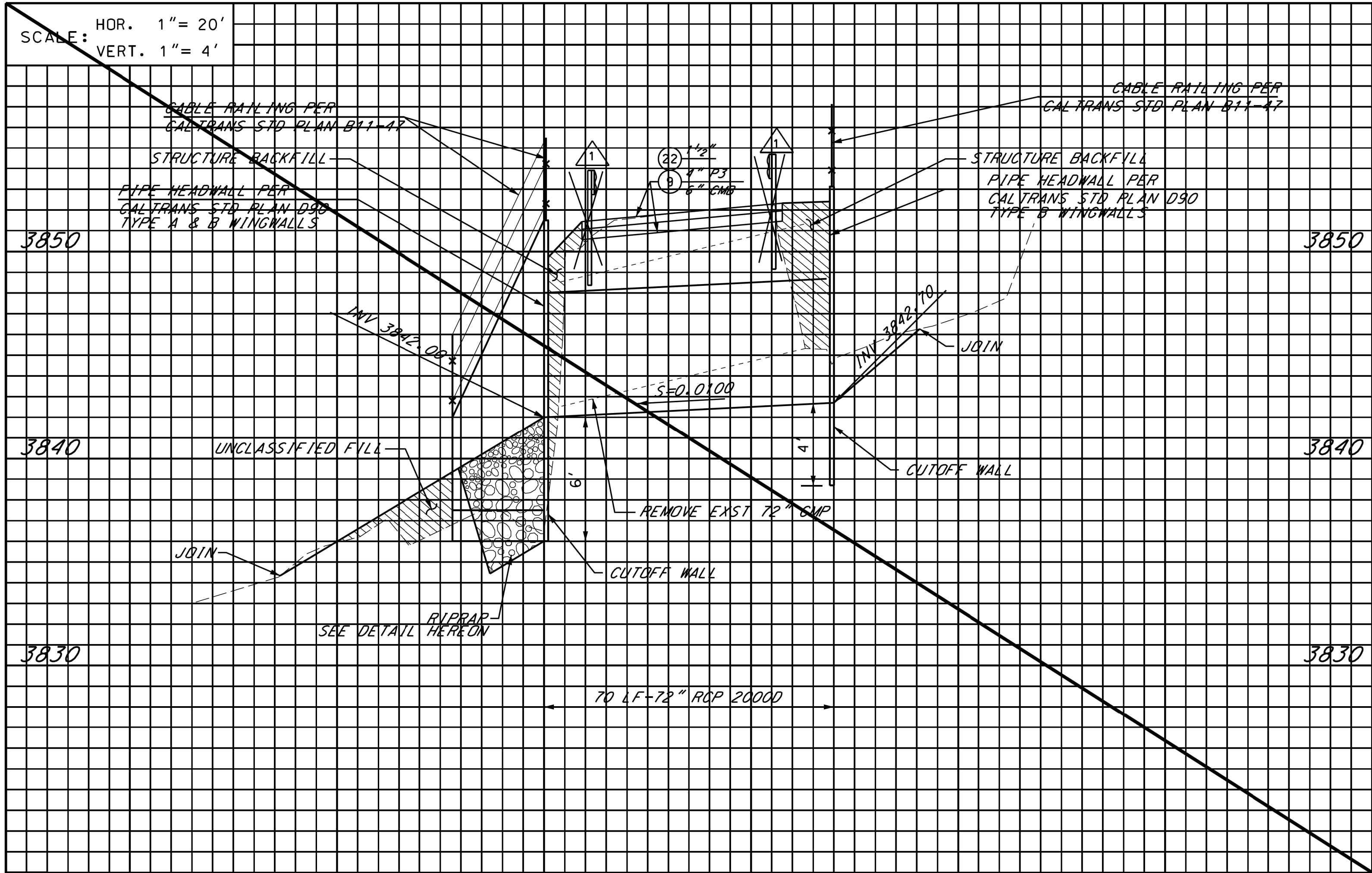


11/20/18	■	AS BUILT REVISIONS
11/7/17	△ 1	GENERAL REVISIONS
DATE	MK	DESCRIPTION
REVISIONS		



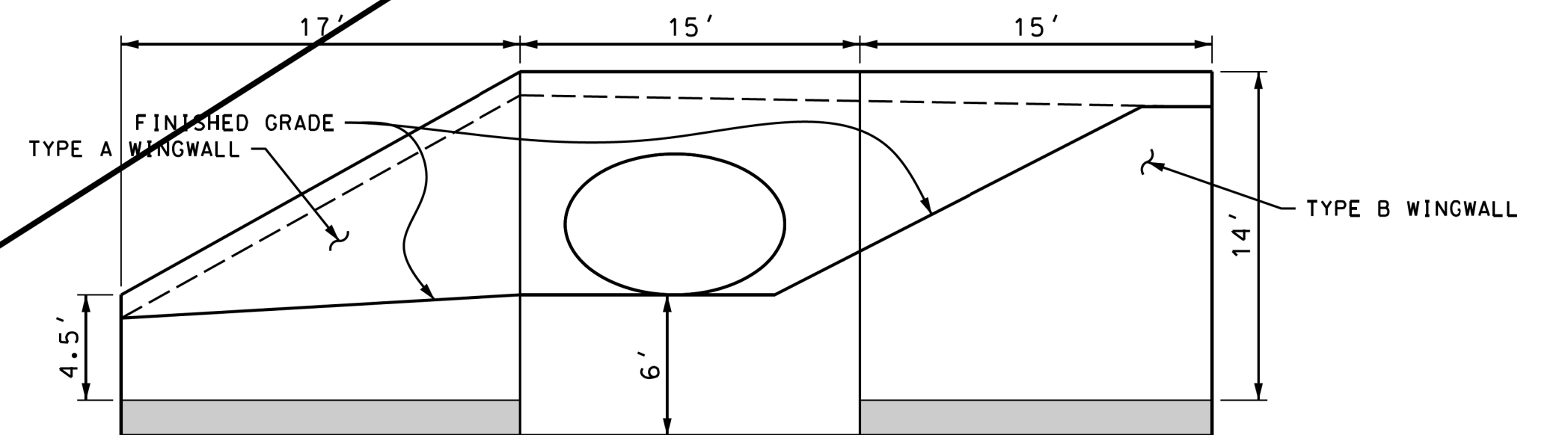
PINE CANYON RD., ~~ET AL.~~ 
 STA 1130+00 TO LAKE HUGHES
 PLAN
 PROJECT ID NO. RDC0014131

PCA	DWG	SHEET 15 OF 16
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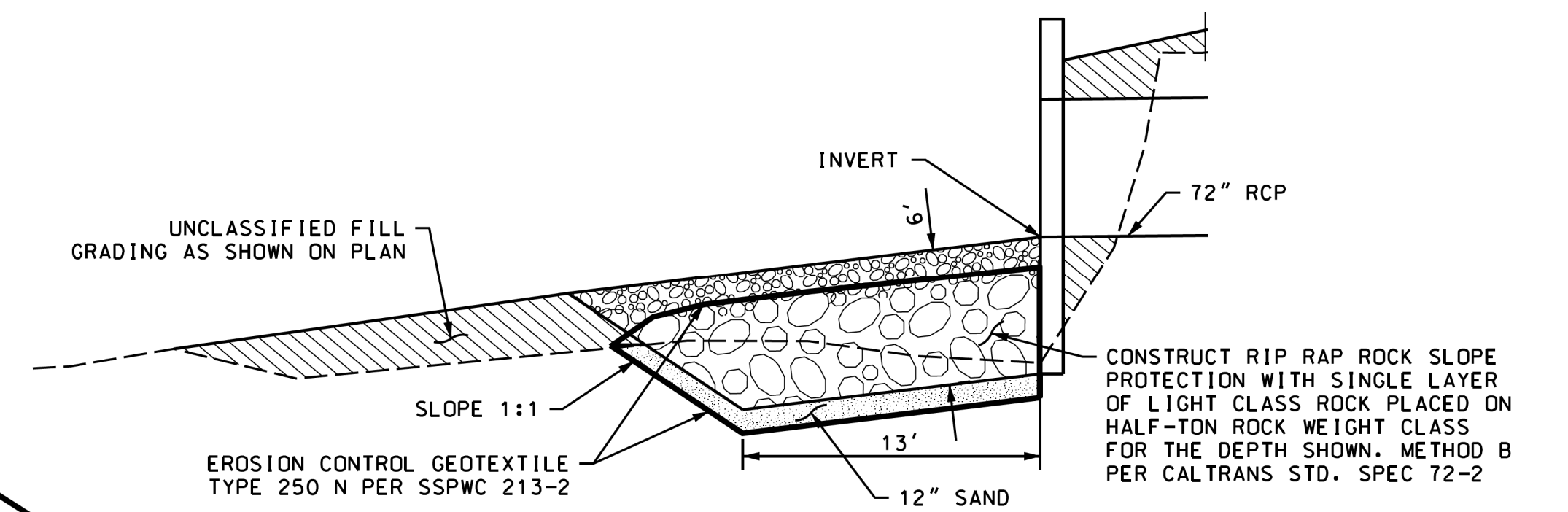
CABLE RAILING PER CALTRANS STD PLAN B11-47 NOT SHOWN FOR CLARITY

FRONT VIEW
INLET HEADWALL AND WINGWALLS
NOT TO SCALE

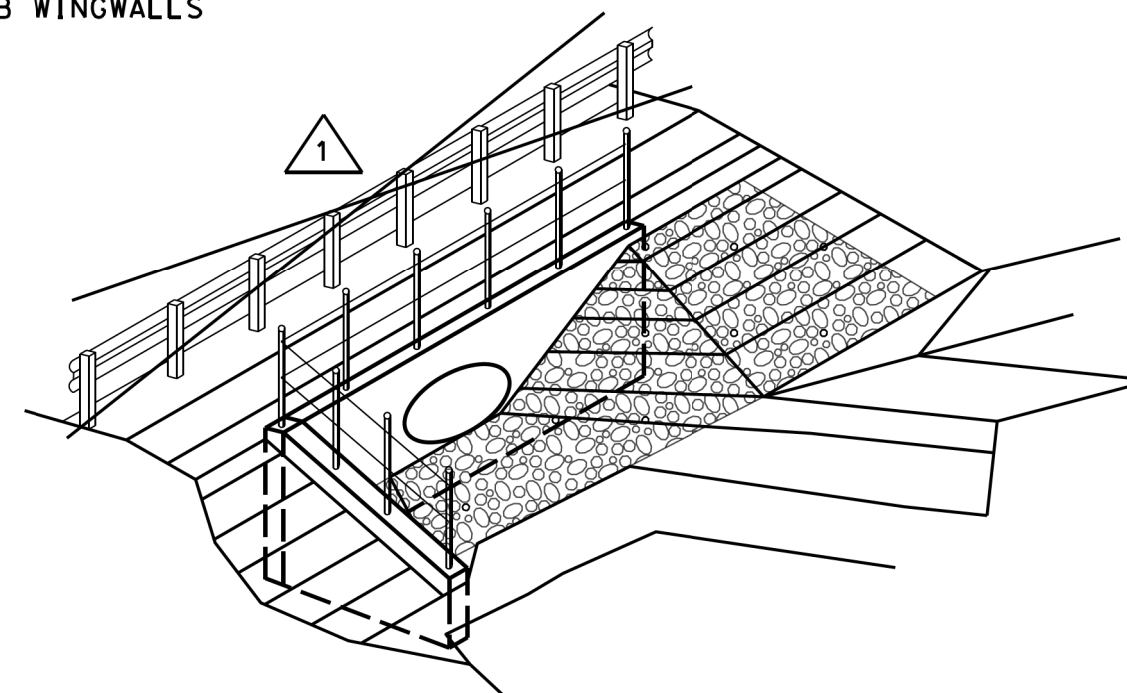


CABLE RAILING PER CALTRANS STD PLAN B11-47 NOT SHOWN FOR CLARITY

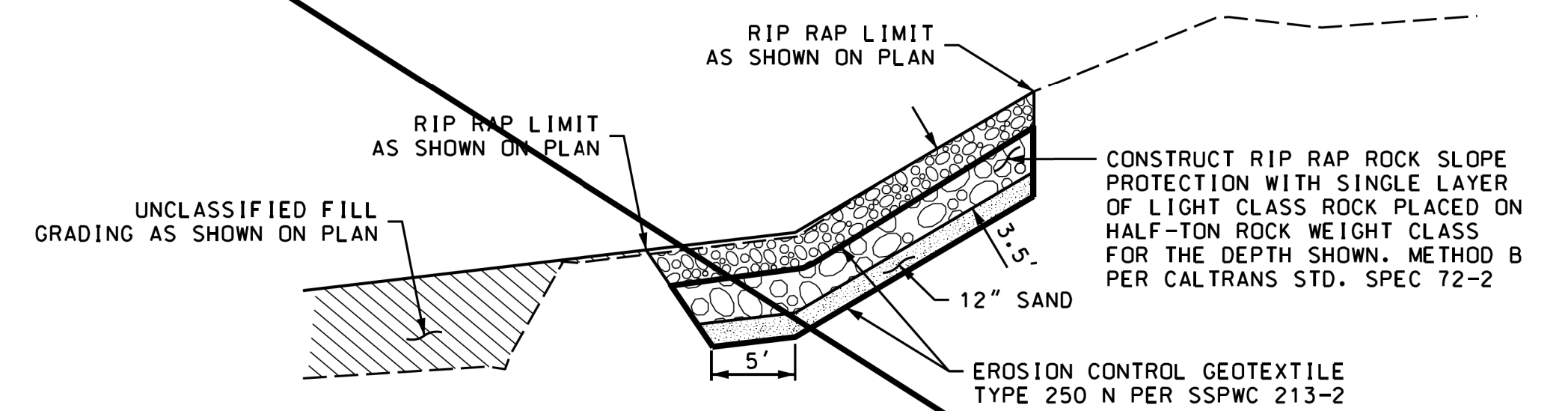
FRONT VIEW
OUTLET HEADWALL AND WINGWALLS
NOT TO SCALE



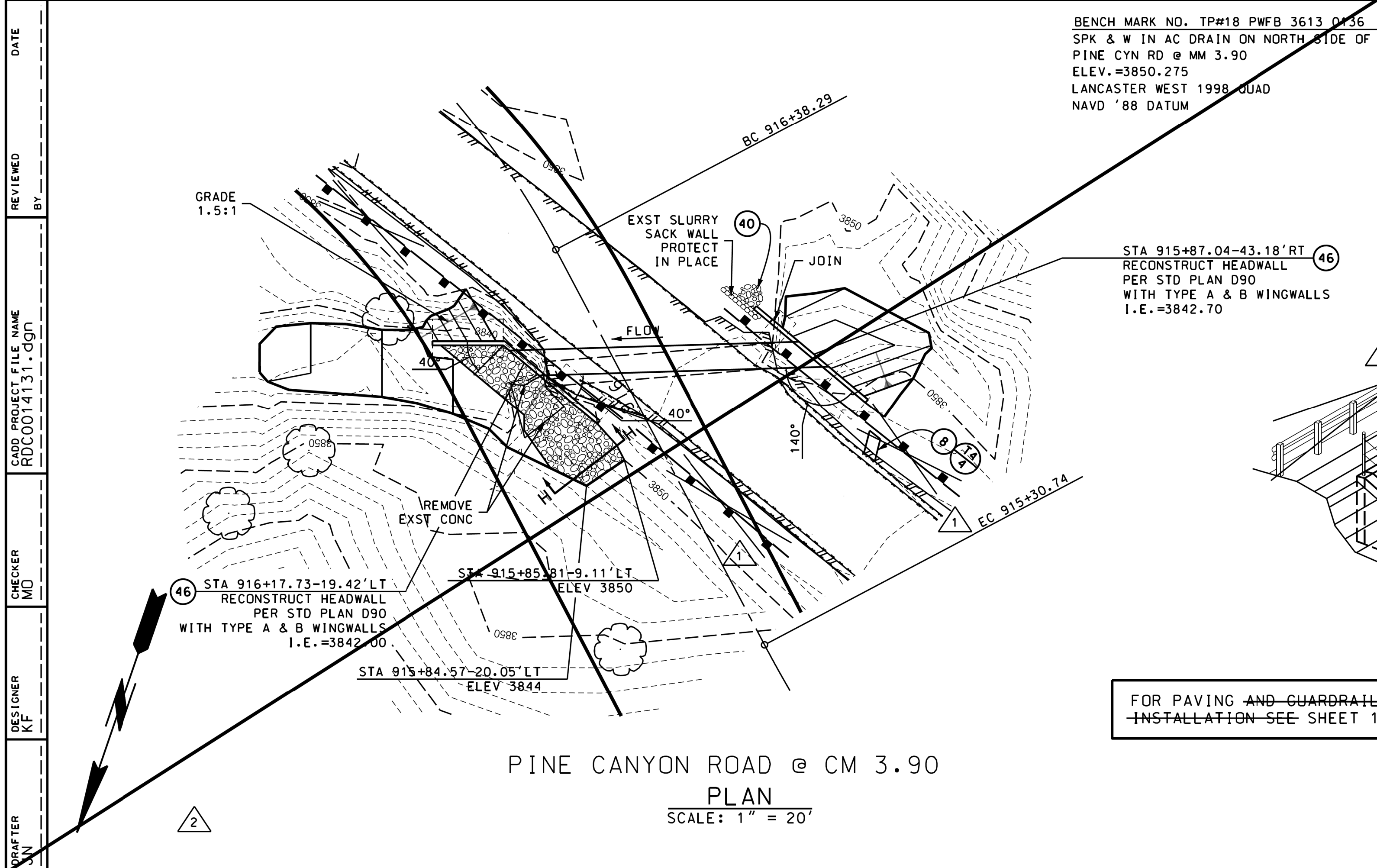
OUTLET RIP RAP DETAIL
NOT TO SCALE



OUTLET ISOMETRIC VIEW
NOT TO SCALE



SECTION H-H
NOT TO SCALE



FOR PAVING AND GUARDRAIL
INSTALLATION SEE SHEET 11

DATE	MK	DESCRIPTION
11/7/17	2	GENERAL REVISIONS
9/2/14	1	DELETE GUARDRAILS PER T&L'S TRAFFIC ENGINEERING REPORT DATED 5-14-14
REVISIONS		



COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS	
PINE CANYON RD., ET AL. PINE CANYON ROAD AT CM 3.90 DRAINAGE DETAIL PROJECT ID NO. RDC0014131	
PCA	DWG
SHEET 16 OF 16	

AS BUILT DRAWINGS