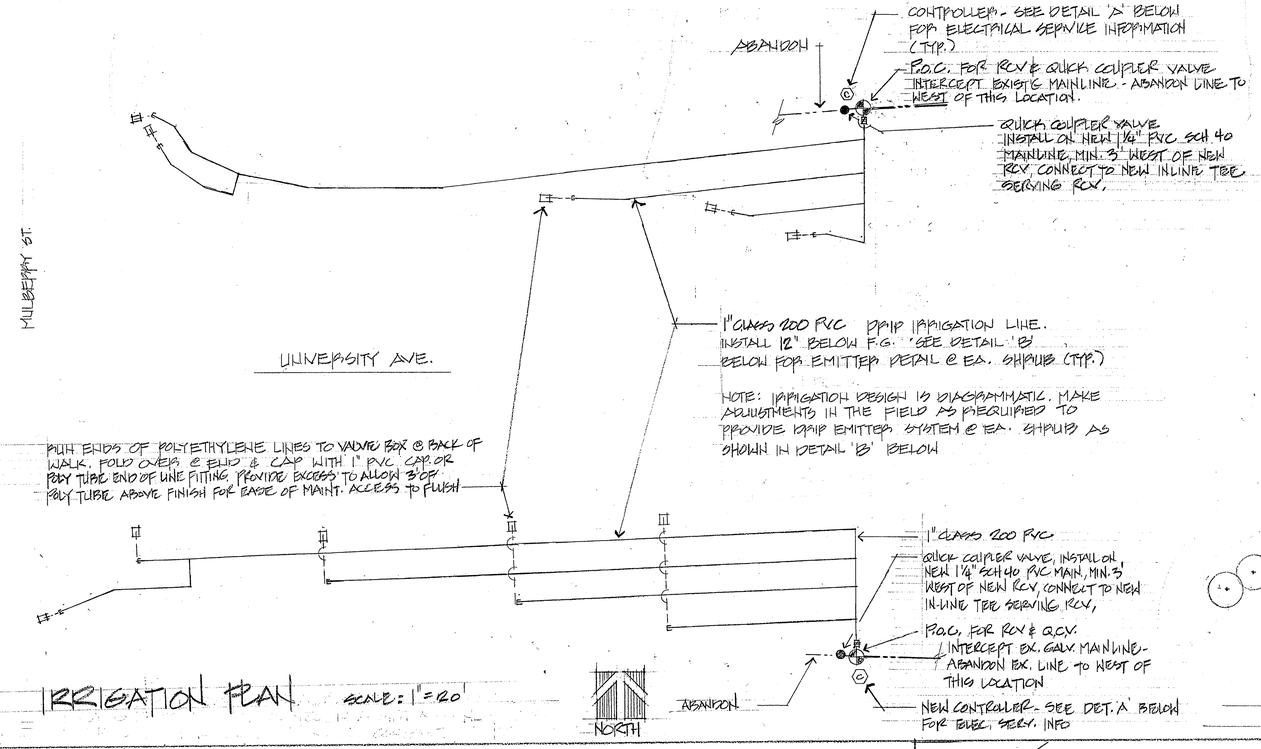
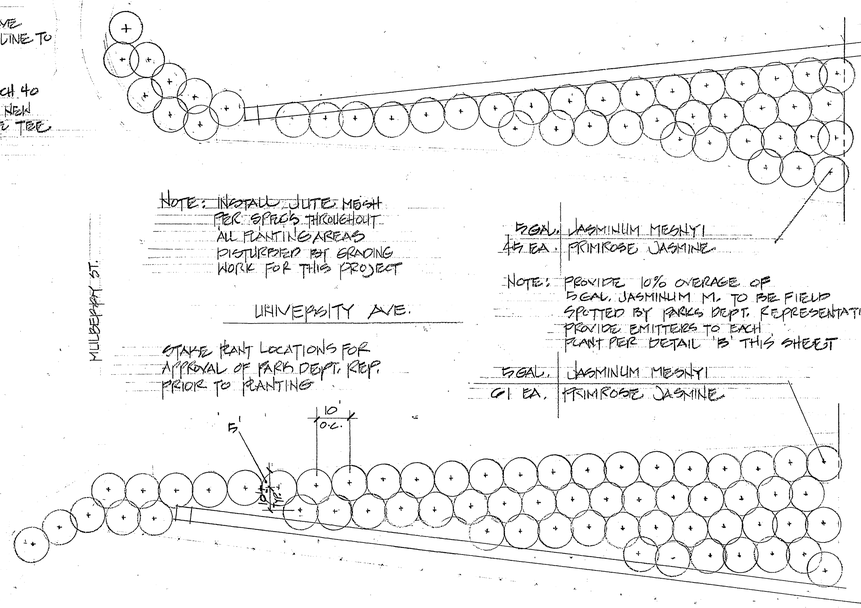


IRRIGATION PLAN SCALE: 1"=20'

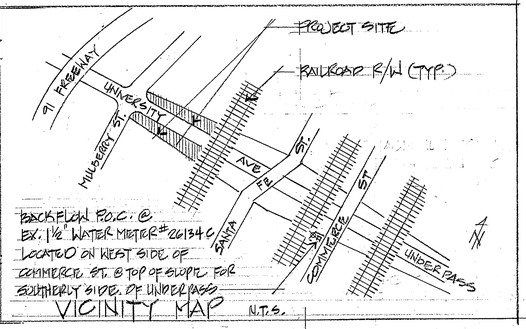


PLANTING PLAN SCALE: 1"=20'

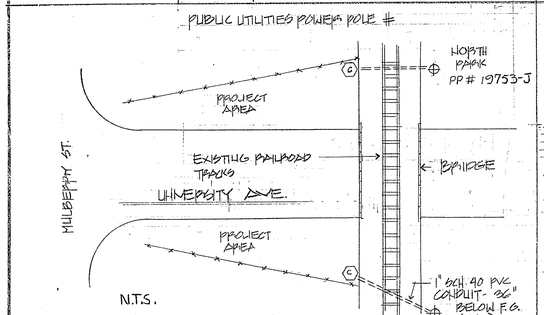
NORTH

IRRIGATION EQUIPMENT LEGEND

INSTALL PER DET.	SYMBOL	DESCRIPTION
PER STD. DET #403	##	¾" PRE-SET PRESSURE REGULATOR FOR DRIP IRRIGATION - MAX. FLOW 6 G.P.M. PRESET @ 25 P.S.I.
" " " "	□	CONCRETE VALVE BOX W/CAST IRON NON-HINGED, LOCKING LID
N.A.	—·:·—	EXISTING GALV. MAINLINE - TO BE ABANDONED
N.A.	——·——	EXISTING GALV. MAINLINE TO REMAIN PROTECT
N.A.	———	CLASS 200 PVC LATERAL W/SCH 80 THREADED NIPPLE RISERS AND EMITTERS SEE DET. 'B' BELOW
N.A.	— — E —	¾" POLYETHYLENE TUBING W/ADAPTER @ END OF 1" CLASS 200 PVC LATERALS
PER STD. DET. #407	Ⓒ	NEW AUTOMATIC CONTROLLER IN VANDAL RESISTENT LE MEUR ENCLOSURE. - # STATION W/DRIP IRRIG. TIME SCHED - IN HOURS
" " " #403	◈	¾" MPT x ¾" MPT DRIP IRRIG. RCV. W/MANUAL BLEED & FLOW ADJUSTMENT, INSTALLED IN CONC. VALVE BOX
" " " #401A	⊗	2" Ø PRESSURE TYPE VACUUM BREAKER & WYE STRAINER W/140 MESH MONEL SCREEN; BOTH BRASS BODIED
" " " #405	●	¾" Ø BRASS QUICK COUPLER VALVE W/LOCKING VINYL COVER AND TWO PIECE BODY

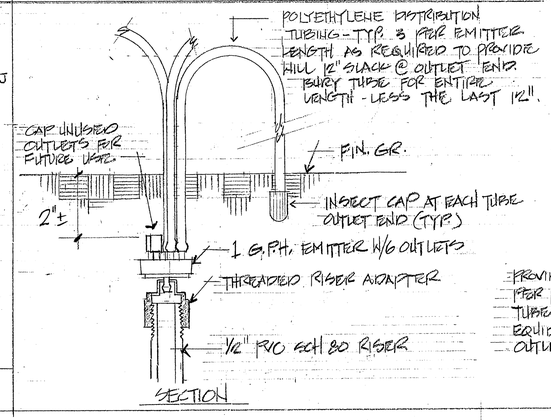


VICINITY MAP N.T.S.

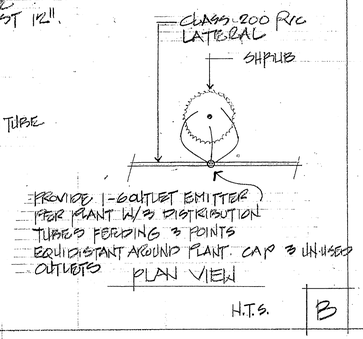


PUBLIC UTILITIES POWER POLE # 19753-J
PROVIDE CONDUIT & WIRE AS REQ'D TO OPERATE CONTROLLER. REFER TO CITY OF RIVERSIDE PARK & RECREATION STANDARD DETAIL #406 FOR SERVICE CONNECTION INFORMATION (TYP.)

A



SECTION



PLAN VIEW

H.T.S. B

IRRIGATION SYSTEM - GENERAL NOTES

- ALL DRIP IRRIGATION EQUIPMENT INCLUDING CONTROLLER, REMOTE CONTROL VALVES, PRE-SET PRESSURE REGULATOR, EMITTERS, POLY DISTRIBUTION TUBING AND INSECT CAPS, TO BE FROM THE SAME MANUFACTURER

- PROPOSED SUBSTITUTIONS MAY BE SUBMITTED FOR CONSIDERATION FOLLOWING AWARD OF A CONTRACT IN ACCORDANCE WITH SECTION 10 OF THE SPECIFICATIONS

UNIVERSITY AVE
LANDSCAPE IMPROVEMENTS AT MULBERRY ST.

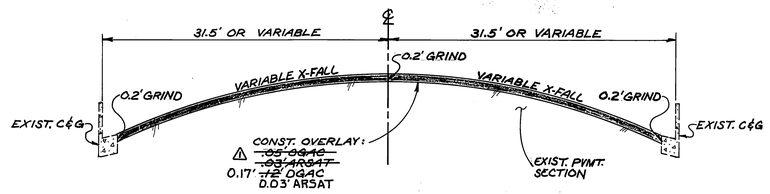
city of riverside
park & recreation
department
3900 MAIN ST RIVERSIDE, CALIFORNIA 92522
(714) 787-7223

revisions	by
4-21-86	BJS

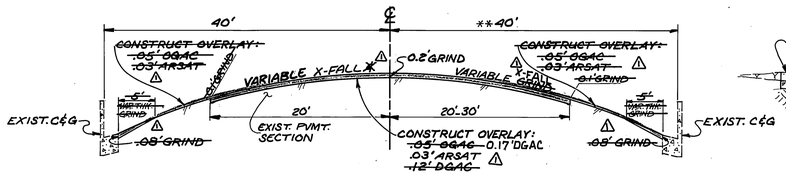
date	
design	KH
drawn	KH/BJS
check	
acct. no.	
SHEET	of ONE

SHT 14 OF 14

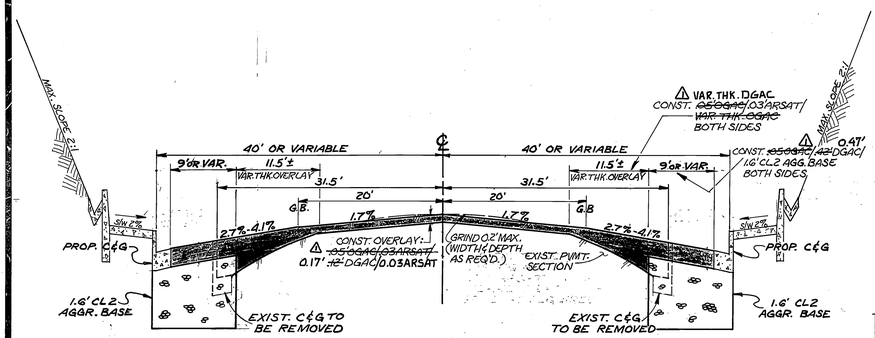
R-2577



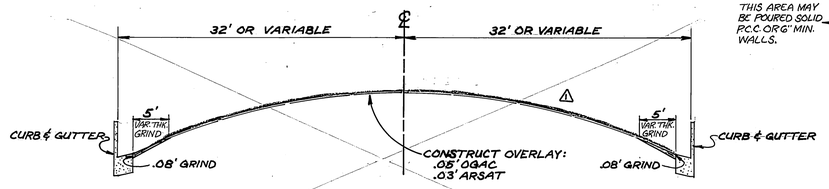
TYPICAL SECTION
STA. 2+00 - 21+20 STA. 28+10 - 46+00



TYPICAL SECTION
STA. 21+20 - 28+10
** 32' FOR STA. 24+50 TO 28+10 WITH UNIFORM 0.2' GRIND REPLACED WITH ~~.05 OGAC~~/.03 ARSAT/~~.12 DGAC~~ FROM ℄ TO G.L.
0.17' DGAC

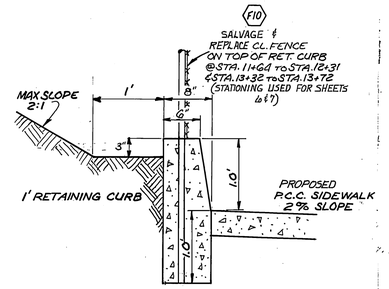


TYPICAL SECTION
STA. 46+00 (10*05) - STA. 52+60± (16*63±)
* STATIONING USED FOR SHEETS G&T DETAILED CONSTRUCTION

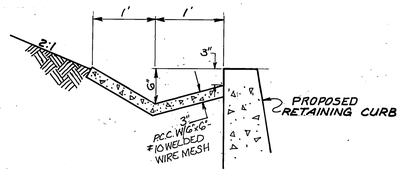


TYPICAL SECTION
STA. 52+60 - STA. 80+50±

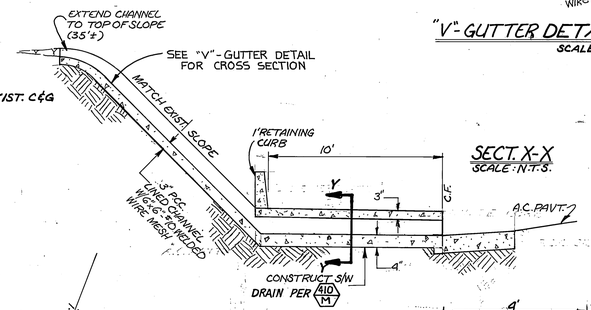
ALL SECTIONS SCALE:
HORIZ. 1"=10'
VERT. 1"=2'



RETAINING CURB DETAIL A
SCALE 1"=1'

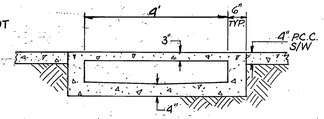


"V" GUTTER DETAIL B
SCALE 1"=1'

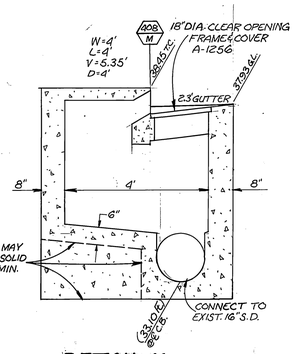


DETAIL E
P.C.C. LINED CHANNEL
NO SCALE

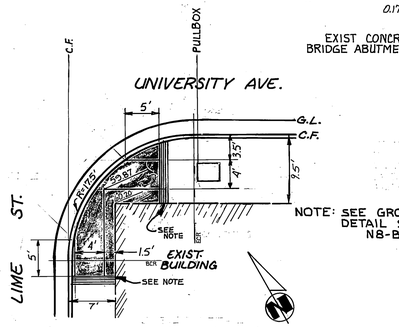
MANHOLE NOT REQUIRED



SECT. Y-Y
SCALE: 1"=2'



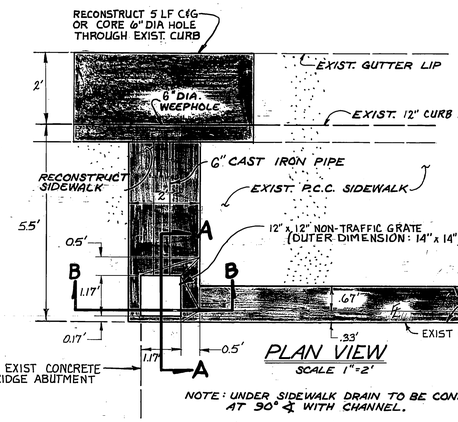
DETAIL X
CATCH BASIN NEAR CHESTNUT - STA. 20+90



NOTE: SEE GROOVING DETAIL STD. DWG. N8-B

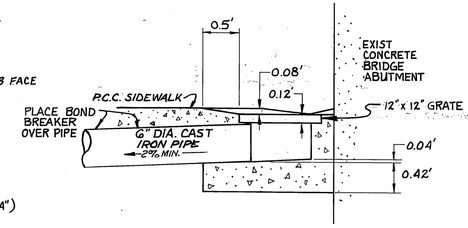
WHEELCHAIR RAMP DETAIL W
SCALE 1"=10'

S'LY CURB RETURN UNIVERSITY & LIME

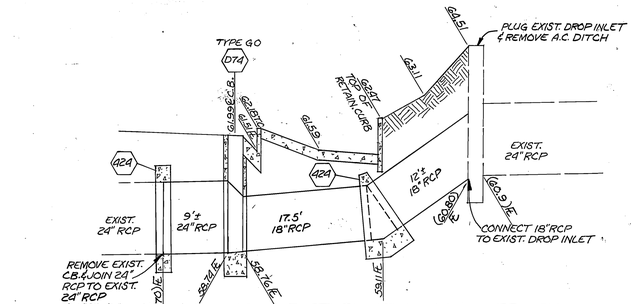


PLAN VIEW
SCALE 1"=2'

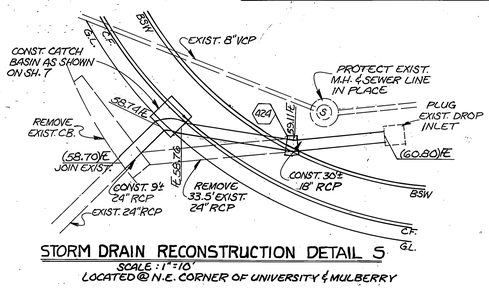
NOTE: UNDER SIDEWALK DRAIN TO BE CONSTRUCTED AT 90° ∢ WITH CHANNEL.



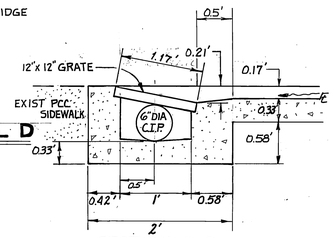
SECTION A-A
SCALE 1"=1'



PROFILE - STORM DRAIN RECONSTRUCTION DETAIL
SCALE: HOR- 1"=10'
VERT- 1"=2'

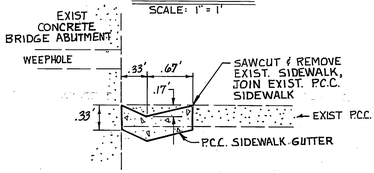


STORM DRAIN RECONSTRUCTION DETAIL 5
SCALE: 1"=10'
LOCATED @ N.E. CORNER OF UNIVERSITY & MULBERRY



SIDEWALK DRAIN DETAIL D
TYPE D INLET

SECTION B-B
SCALE: 1"=1'



SIDEWALK GUTTER DETAIL C
SCALE 1"=1'

ENGINEER IN RESPONSIBLE CHARGE
Lauren F. Caldwell
LAUREN F. CALDWELL
R.C.E. 39441 expires 12/31/88
DATE 1/23/87

REGISTERED PROFESSIONAL ENGINEER LAUREN FRED CALDWELL No. 39441 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE
1	DELETED OGAC AND ALL RELATED WORK	ZAC	8-19-86

DESIGNED BY DEC DRAWN BY RVE, BJD CHECKED BY ZAC

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	5/27/86	
PARK DEPARTMENT		
TRAFFIC DIVISION	5-28-86	
CHIEF P. W. ENGINEER		
INSPECTION & SURVEY	5-29-86	

APPROVED BY
William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 5-30-86

UNIVERSITY AVE.
REDWOOD DR. TO KANSAS AVE.
TYPICAL SECTIONS & DETAILS

HORIZ. SCALE: AS SHOWN VERT. SCALE: AS SHOWN

INDEXED BY C.S.
ACCOUNT NO. 30-575-245-07

R-2577

SHEET 2 OF 7

REPLACE SIGNAL DETECTOR LOOPS

REPLACE SIGNAL DETECTOR LOOPS

1+46± BEGIN C/G (41.5± T.C.) RECONST.

TYPE II A=10' B=17'

TYPE II A=10' B=17'

TYPE II A=10' B=17'

4+00 36.11 T.C.

4+50 35.03 T.C.

5+00 35.75 T.C.

5+18.5 END C/G (33.55 T.C.) RECONST.

5+66 E UNIVERSITY 10+00 E PINE

SAWCUT & JOIN

BCR 9+33.5

ECR 6+17.5

SAWCUT & JOIN

PROTECT PALM TREES IN PLACE

1+46± BEGIN PROJECT. MATCH EXIST OGAC

1+66 BEGIN C/G (41.58 T.C.) RECONST

2+00 40.80 T.C.

3+00 38.21 T.C.

3+50 37.39 T.C.

4+00 36.24 T.C.

4+50 35.88 T.C.

5+00 35.39 T.C.

5+21.5 END C/G (33.52 T.C.) RECONST

TYPE I 4+74.8 A=10' B=17'

4+10 ± 11 ± 12.5

ECR 32.92 T.C.

MOC 32.64 T.C.

SAWCUT & JOIN

RELOCATE STOP SIGN BEHIND PROP. C.F.

ALLOW 1' MIN. BETWEEN P.C.C. SIDEWALK & EXIST. PALMS.

SAWCUT & JOIN

BCR 32.36 T.C.

CURB RETURN DETAIL S.E. CORNER OF PINE & UNIVERSITY SCALE: 1"=20'

WHEEL CHAIR RAMP DETAIL CASE B SCALE: 1"=20'

ECR 38.59 T.C.

BCR 38.49 T.C.

MOC 38.51 T.C.

RELOCATE TO BCR. REPLACE CONDUIT & WIRE TO CLEAR IMP.

ECR 10+66.5

BCR 2+40.60

SAWCUT & JOIN

REMOVE & REPLACE S/W, C&G AT EXIST. GRADES.

BCR 3+44.3 (0.36 T.C.)

ECR 4+15.95 (0.28 T.C.)

MATCH LINE

STA. 11+00

REDWOOD DR.

LOCUST

PINE

CEDAR

STA. 11+00

MATCH LINE

STA. 22+00

MATCH LINE

STA. 22+00

FAIRMOUNT BLVD.

BROCKTON AVE.

CHESTNUT ST.

STA. 22+00

MATCH SHEET 4

STA. 33+00

MARKET ST.

NOTES:

1. REMOVE & REPLACE D/W'S TO FRONT EDGE OF SIDEWALK.
2. PROTECT ST. LIGHT CONDUIT IN PLACE ON NEW D/W CONSTRUCTION.
3. SAWCUT & JOIN EXIST. D/W'S TO C&G RECONSTRUCTION.
4. SIDEWALKS ADJACENT TO THE CURB & GUTTER SHALL BE PROTECTED IN PLACE.
5. THE BROKEN SIDEWALK AT 4410 UNIVERSITY WILL NOT BE REPLACED.

NOTE: GRANITE CURBS & GUTTERS SHALL BE PROTECTED IN PLACE.

ENGINEER IN RESPONSIBLE CHARGE

Lauren F. Caldwell

LAUREN F. CALDWELL

RCE. 39441 expires 12/31/87

DATE 1/23/87

REGISTERED PROFESSIONAL ENGINEER LAUREN FRED CALDWELL No. 39441 CIVIL STATE OF CALIFORNIA

CURVE DATA

INDEX	R	Δ	T	L
1	35.00'	90°	35'	55'

1 DELETED OGAC AND ALL RELATED WORK ZAC 8-19-86

MARK REVISIONS APP. DATE

DESIGNED BY DEC DRAWN BY BK RVZ CHECKED BY ZAC

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		5/27/86	
PARK DEPARTMENT			
TRAFFIC DIVISION		5-28-86	
CHIEF P. W. ENGINEER			
INSPECTION & SURVEY			

APPROVED BY William D. Gardner PUBLIC WORKS DIRECTOR

DATE 5-30-86

UNIVERSITY AVENUE
REDWOOD DR. to KANSAS AVE.

INDEXED BY C.S.

ACCOUNT NO. 30-515-245-07

R-2577

SHEET 3 OF 7

HORIZ. SCALE: 1"= 40' VERT. SCALE: 1"=

MATCH SHEET 3

STA. 33+00

MALL

DOWNTOWN

406

406

℄ 34+03.60 V=41.23 R=46.39

℄ 34+46.45 V=37.15 R=46.28

REMOVE EXIST C.B.

AT P.C.C. X-WALKS GRIND G2 AND REPLACE. PVMT. OVERLAY TO MATCH X-WALK 35 SURFACE.

REMOVE EXIST C.B.

NOTE: GRANITE CURBS & GUTTERS SHALL BE PROTECTED IN PLACE.

ST.

ORANGE

37+67

38+59

SEE SHEET G FOR DETAILED CONST. OF INTERSECTION

SEE SHTS. G & 7 FOR DETAILED CONST.

ST.

LEMON

325

10+43.5 P.C.C.

2-2.32 E.P.

N-88

10+00 LEMON AVE.

MATCH LINE

STA. 44+00

MATCH LINE

STA. 33+00

MATCH SHEET 5

STA. 55+00

ST.

MATCH SH. G

ZIME

MATCH SH. G

MATCH SH. 7

FOR STREET WIDENING PLANS SEE SHEETS G & 7

91 FRWY.

℄ RIVERSIDE

11+35 JOIN EXIST.

ST.

MULBERRY

10+00 MULBERRY

3+00 JOIN EXIST.

20' TRANSITION 2% GRIND TO 0% GRIND

MATCH SH. 7

S/W DRAIN

CONST. P.C.C. LINED S/W GUTTER

53+45 (BOTH SIDES)

VINE ST.

MATCH LINE

STA. 55+00

MATCH SHEET 5

55+25

55+55

S/W DRAIN

CONST. P.C.C. LINED CHANNEL

57+40 (BOTH SIDES)

S/W DRAIN

CONST. P.C.C. LINED CHANNEL

60+85 (BOTH SIDES)

S/W DRAIN

CONST. P.C.C. LINED CHANNEL

CAUTION! HIGH PRESSURE GAS

MATCH LINE

STA. 66+00

ENGINEER IN RESPONSIBLE CHARGE

LAUREN F CALDWELL
RCE 39441 expires 12/31/89

DATE 1/23/87

REGISTERED PROFESSIONAL ENGINEER LAUREN FRED CALDWELL No. 39441 CIVIL STATE OF CALIFORNIA

CURVE DATA

INDEX	R	Δ	T	L
3	12'	90°	12'	19'

MARK	REVISIONS	APP'D	DATE
1	DELETED OGAC AND ALL RELATED WORK.	RAC/SK	3-19-86

DESIGNED BY DEC DRAWN BY SK RVZ CHECKED BY LAC

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	5/27/86	
PARK DEPARTMENT		
TRAFFIC DIVISION	5-22-86	
CHIEF P.W. ENGINEER		
INSPECTION & SURVEY	5-22-86	

APPROVED BY William D. Gardner PUBLIC WORKS DIRECTOR

DATE 5-30-86

UNIVERSITY AVENUE
REDWOOD DR. to KANSAS AVE.

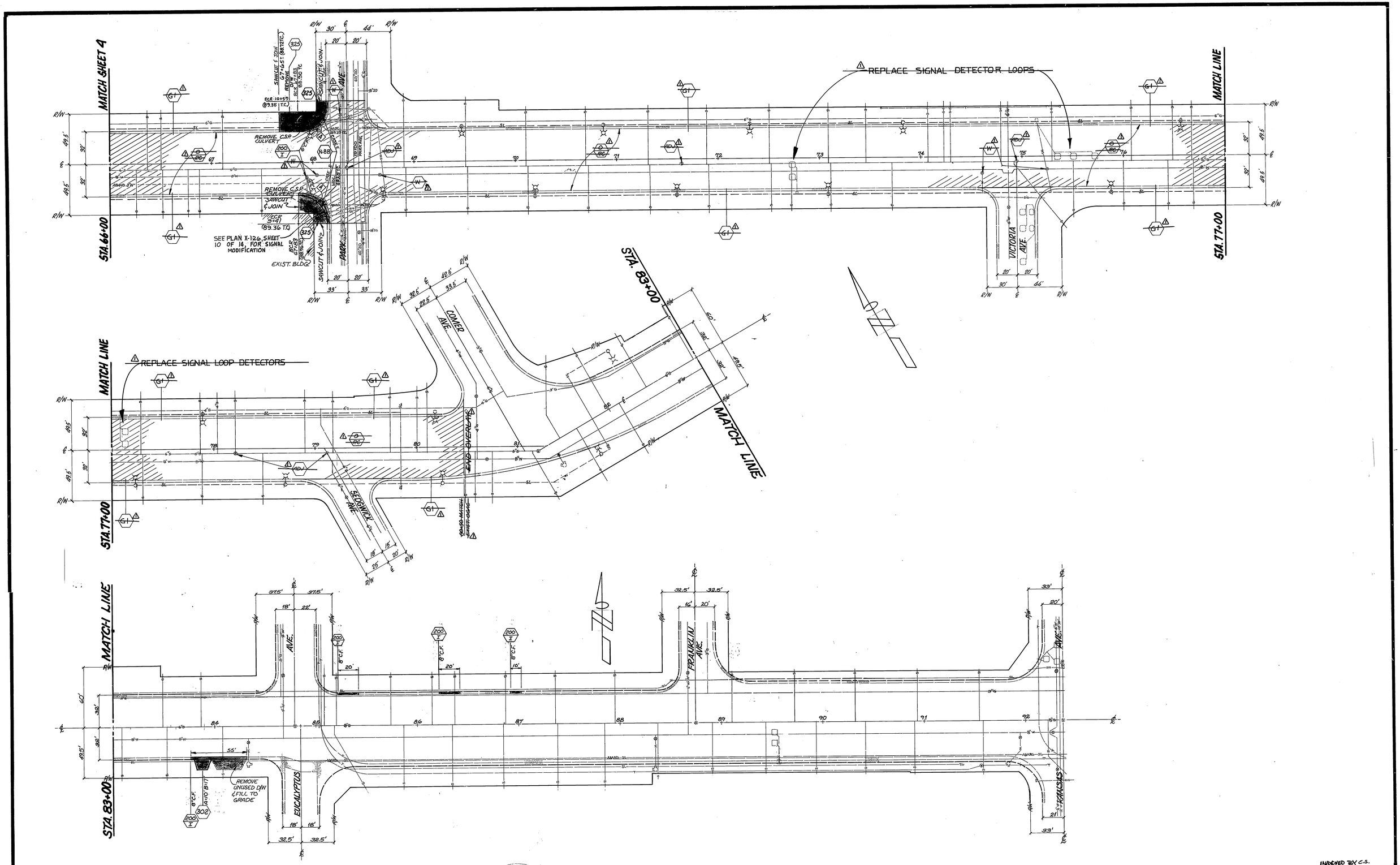
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" =

INDEXED BY C.S.

ACCOUNT NO. 30-575-245-07

R - 2577

SHEET 4 OF 7



ENGINEER IN RESPONSIBLE CHARGE

Lauren F. Caldwell

LAUREN F. CALDWELL
RCE 39441 expires 12/31/89

DATE 1/23/87

REGISTERED PROFESSIONAL ENGINEER
LAUREN FRED CALDWELL
No. 39441
CIVIL
STATE OF CALIFORNIA

CURVE DATA

INDEX	R	Δ	T	L
4	27'	90°00'00"	27'	42.41'

MARK	REVISIONS	APPR.	DATE
△	DELETED OGAC AND ALL RELATED WORK		8-19-86

DESIGNED BY DCC DRAWN BY RVF SK CHECKED BY L.A.C.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	JWE 5/27/86	
PARK DEPARTMENT		
TRAFFIC DIVISION	5-22-86	
CHIEF P. W. ENGINEER		
INSPECTION & SURVEY		

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR

DATE 5-30-86

UNIVERSITY AVENUE
REDWOOD DR. to KANSAS AVE.

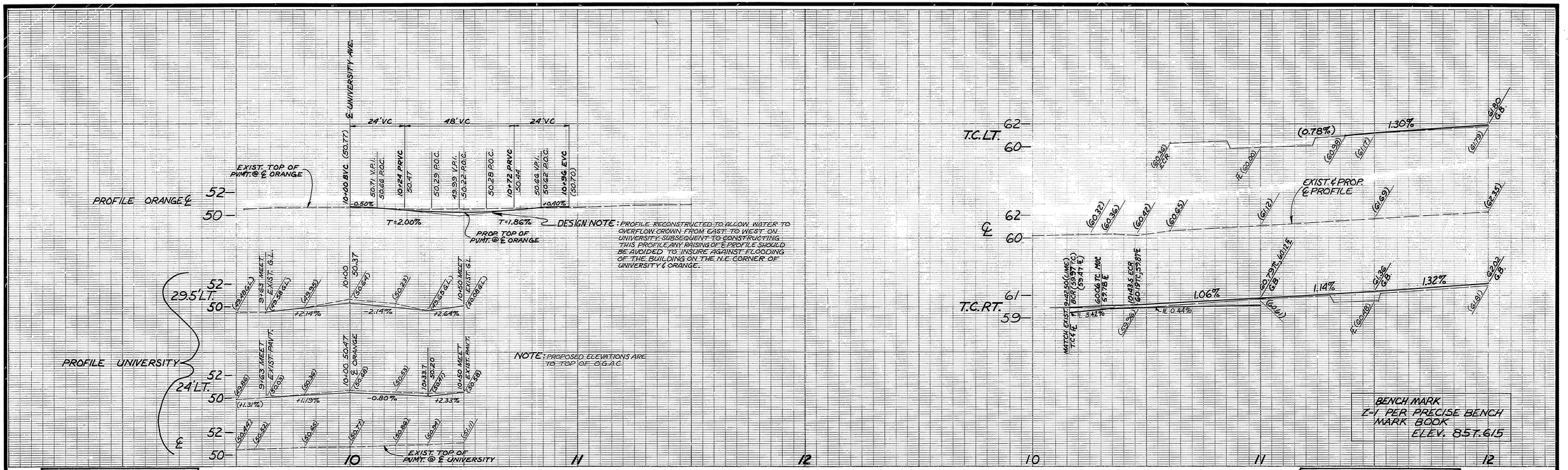
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" =

INDEXED BY C.S.

ACCOUNT NO. 30-575-245-07

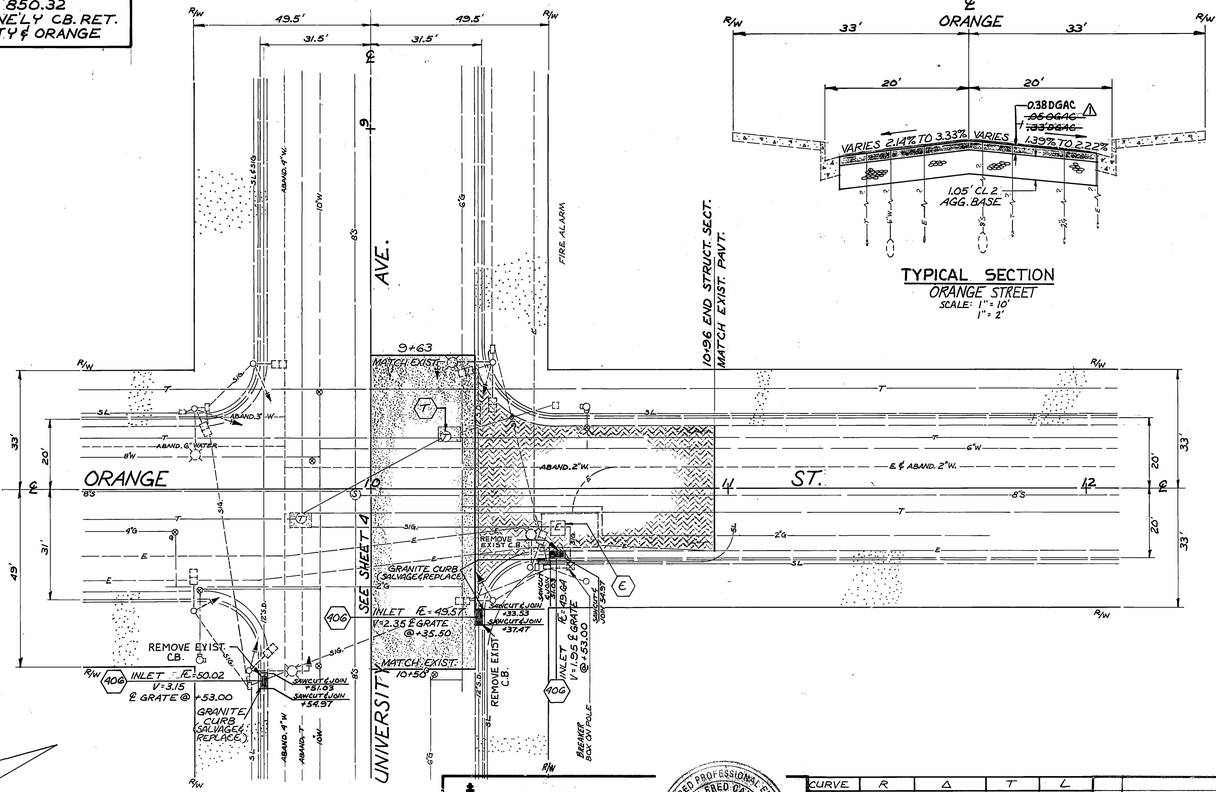
R - 2577

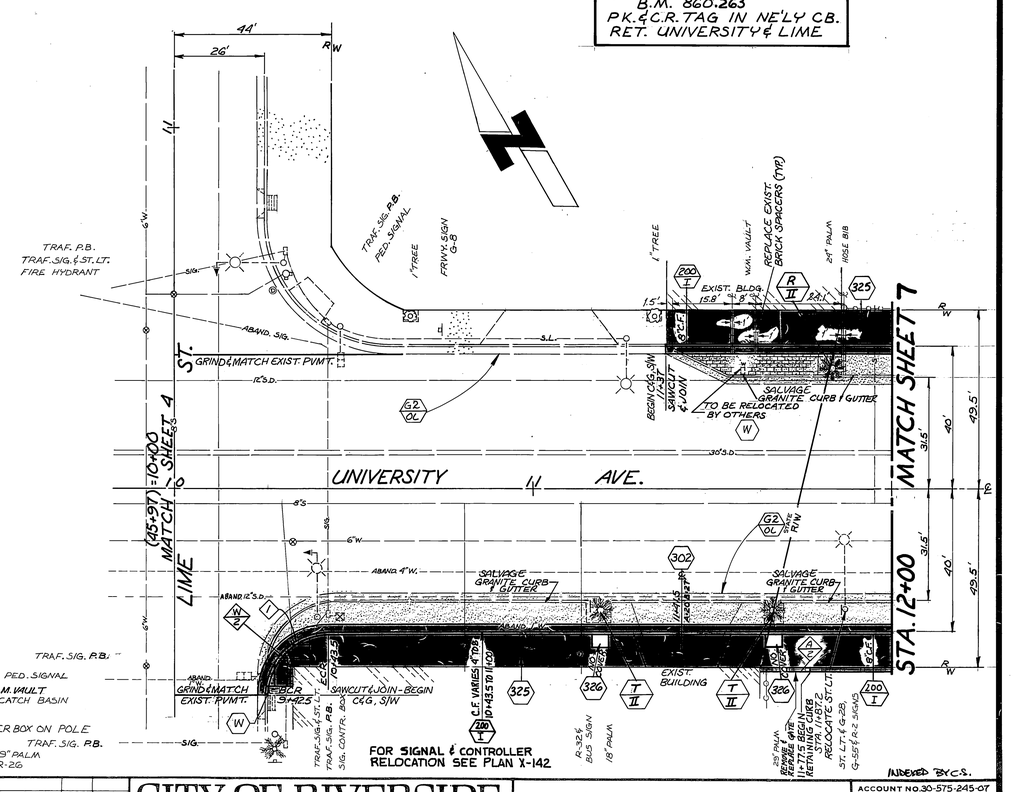
SHEET 5 OF 7



T.B.M. 850.32
L℄ IN T.C. NE'LY C.B. RET.
UNIVERSITY & ORANGE

B.M. 860.263
P.K. & C.R. TAG IN NE'LY C.B.
RET. UNIVERSITY & LIME





ENGINEER IN RESPONSIBLE CHARGE
Lauren F. Caldwell
LAUREN F. CALDWELL
R.C.E. 39441 expires 12/31/88
DATE 1/23/87

REGISTERED PROFESSIONAL ENGINEER LAUREN FRED CALDWELL No. 39441 CIVIL STATE OF CALIFORNIA

CURVE	R	Δ	T	L
⟨1⟩	17.5'	90°00'00"	17.5'	27.49'

⚠ DELETED OGAC AND ALL RELATED WORK 8-19-86

MARK	REVISIONS	APP'D	DATE

DESIGNED BY DEC DRAWN BY RVZ CHECKED BY LFC

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		5/27/86	
PARK DEPARTMENT			
TRAFFIC DIVISION		5-22-86	
CHIEF P. W. ENGINEER			
INSPECTION (SURVEY			

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 5-30-86

UNIVERSITY AVE.
REDWOOD DR. TO KANSAS AVE.

ACCOUNT NO. 30-575-245-0T

R-2577

SHEET 6 OF 7

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

81630
OZALID- NO.1

NOTE: SEE DWG. X-142 FOR PROPOSED SIGNAL WORK.

CURVE	R	Δ	T	L
1	35'	75° 17' 33"	27.00'	45.99'
2	55'	102° 24' 59"	68.43'	98.31'
3	100'	17° 25' 40"	15.33'	30.42'
4	100'	19° 43' 09"	17.38'	34.42'
5	45'	42° 12' 00"	17.36'	33.14'
6	20'	89° 57' 43"	19.99'	31.40'
7	30'	45° 00' 00"	12.43'	23.56'

ENGINEER IN RESPONSIBLE CHARGE
Lauren F. Caldwell
LAUREN F. CALDWELL
R.C.E. 39441 expires 12/31/89
DATE 1/23/87

REGISTERED PROFESSIONAL ENGINEER LAUREN FRED CALDWELL No. 39441 CIVIL STATE OF CALIFORNIA

MARK	REVISIONS	APPR.	DATE

DESIGNED BY DEC DRAWN BY RVZ BD CHECKED BY J.A.C.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	SHE 5/27/86	
~~PARK DEPARTMENT~~		
TRAFFIC DIVISION	5-22-86	
CHIEF P. W. ENGINEER		
INSPECTION & SURVEY		1-22-87

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 5-30-86

UNIVERSITY AVE.
REDWOOD DR. TO KANSAS AVE.

HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 4'

INDEXED BY C.S.
ACCOUNT NO 30-575-245-07

R-2577

SHEET 7 OF 7