RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE — INCORPORATED 1883

PUBLIC WORKS DEPARTMENT

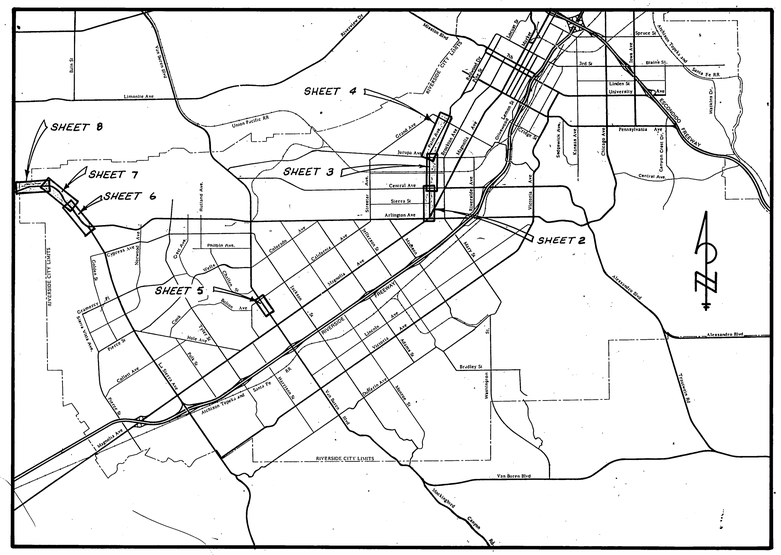
1986 MAJOR STREET REHABILITATION SB-300

STREET	LIMITS	LENGTH	R-2798 SH. NO.	STRIPING DWG. NO.
PALM AVE.	MAGNOLIA TO BANDINI	1.6 MI.	2-4	XL-186
VAN BUREN AVE.	CALIF. TO GARFIELD	0.2 MI.	5	XL-187
ARLINGTON AVE.	LA SIERRA AVE. TO W'LY CITY LIMITS	1.6 MI.	6-~~8~~	XL-185

CONSTRUCTION LEGEND

CENTER LINE —— ℄ —— – ——
RIGHT-OF-WAY LINE —— R/W ——
SUBDIVISION, LOT LINE —— ℞ ——

TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW



PROJECT LOCATION PLAN

N.T.S.

GENERAL NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPT. OF PUBLIC WORKS, STANDARD DRAWINGS AND THE STANDARD SPECIFICATIONS FOR PUBIC WORKS CONSTRUCTION, 1985 EDITION AND 1986 SUPPLEMENT.
2. EXIST. UTILITY MANHOLES, GATE VALVES AND VAULTS ARE NOT NECESSARILY SHOWN ON THE PLAN. IT SHALL BE THE CONTRACTOR'S RESPOSIBILITY TO COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR THE ADJUSTMENT OR PROTECTION OF THEIR FACILITIES. THE PUBLIC UTILITIES DEPARTMENT FACILITIES SHALL BE TREATED AS OUTLINED IN THE SPECIFICATIONS.
3. ALL CRACKS WIDER THAN 3/8", REGARDLESS OF THE PROPOSED SURFACE TREATMENT, SHALL BE CLEANED AND FILLED WITH A RUBBERIZED ASPHALT MATERIAL. ALL CRACKS BETWEEN 1/8" AND 3/8" SHALL BE ROUTED OUT TO 1/2" WIDE AND 3/4" TO 1", CLEANED AND FILLED WITH A RUBBERIZED ASPHALT MATERIAL.
4. RESURFACING LIMITS SHOWN AT INTERSECTIONS ARE NOT ABSOLUTE. THE INSPECTOR MAY REQUEST GRINDING & PAVING INTO SIDE STREETS TO IMPROVE RIDABILITY.
5. THE SEAM BETWEEN PASSES OF THE OPEN GRADED A.C. OVERLAY SHALL COINCIDE, AS CLOSELY AS POSSIBLE, WITH THE LANE LINES.
6. PULL BOXES FOR SPLICING TRAFFIC LOOP DETECTOR CONDUCTORS AND LEAD-IN CABLE ARE NORMALLY ADJACENT TO DETECTORS, UNLESS OTHERWISE SHOWN ON PLAN.
7. MANHOLES AND VALVES WITHIN THE GRINDING LIMITS SHALL NOT BE ADJUSTED TO GRADE. INSTEAD, ENOUGH GRINDING (OR PAVEMENT REMOVAL BY OTHER MEANS) SHALL BE DONE TO PROVIDE A SMOOTH FINISHED SURFACE TRANSITION AROUND THE COMPLETE CIRCUMFERENCE OF THE STRUCTURE AS NOTED PER PLAN.

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	——8"S——	TELEPHONE CONDUIT	——T——T——
WATER LINE	——6"W——	ELECTRICAL CONDUIT	——E——E——
STORM DRAIN	——24"S.D.——	ELECTROLIER LIGHTING CONDUIT	——ELC——
GAS LINE	——3"G——	TRAFFIC SIGNAL	——SIG——SIG——
IRRIGATION LINE	——20" IRR——	FIRE ALARM	——F——F——
ABANDONED UTILITY	——6"G(ABAN'D)——		

EXISTING TOPOGRAPHY:

BLOCK WALL
BOARD FENCE
WIRE FENCE
CHAIN LINK FENCE
TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW

- SANITARY SEWER M.H.
- SANITARY SEWER CLEANOUT
- STORM DRAIN M.H.
- IRRIGATION WEIR
- WATER M.H.
- GAS M.H.
- ELECTRIC M.H.
- TELEPHONE M.H. OR VAULT
- WATER METER
- FIRE HYDRANT
- VALVE
- AIR VALVE
- POLE & GUY ANCHOR
- ELECTRIC POLE
- TELEPHONE POLE
- JOINT USE POLE
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- STREET NAME SIGN
- GAS METER
- MAIL BOX
- FAUCET
- TELEPHONE RISER
- WHEEL STOP
- A.C. BERM
- PEDESTRIAN PUSH BUTTON
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
- STREET LIGHT (UPRIGHT)
- STREET LIGHT
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL PRESSURE DETECTOR
- TRAFFIC SIGNAL LOOP DETECTOR

CONCRETE
ASPHALT
ep (asphalt) ep EDGE OF PAVEMENT

CONSTRUCTION NOTES

⬢ NUMBERS ABOVE 100 IN HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET BELOW. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

- ADJ GV — ADJUST GATE VALVE TO GRADE.
- ADJ MH — ADJUST MANHOLE TO GRADE.
- G 01 — GRIND EXIST. PAVEMENT 0.10' IN DEPTH FOR THE SPECIFIED LENGTH AND WIDTH AS SHOWN ON THE PLANS.
- G 1 — GRIND EXIST. A.C. 0.10' BELOW GUTTER LIP OR OUTER EDGE, "DAY-LIGHTING" IN 5' EXCEPT AS SHOWN ON PLAN.
- O — AFTER ALL OTHER PAVING OPERATIONS HAVE BEEN COMPLETED, THE CONTRACTOR SHALL PLACE AN ASPHALT RUBBER STRESS ABSORBING MEMBRANE WITH 3/8" CHIPS TO BE TOPPED WITH 0.08' D.G.A.C.
- R 51 — REMOVE AND REPLACE EXIST. STRUC. SECTION WITH 0.35' MIN. D.G.A.C. OVER 0.70' C.A.B.
- R 52 — REMOVE AND REPLACE EXIST. STRUC. SECTION WITH 0.36' MIN. D.G.A.C. OVER 1.05' C.A.B.
- R 53 — REMOVE AND REPLACE EXIST. STRUC. SECTION WITH 0.38' MIN. D.G.A.C. OVER 0.83' C.A.B.
- OL 017 — 0.17' DGAC OVERLAY OVER PAVEMENT REINFORCING FABRIC.
- R/R — REMOVE EXIST. STRUC. SECTION PER DEPTH ON PLAN AND REPLACE WITH D.G.A.C. THICKNESS OF D.G.A.C.
- HM — BLUE HYDRANT MARKER
- TDL — TRAFFIC DETECTOR LOOPS } SHOWN ON STRIPING PLAN
  NUMBER TO BE INSTALLED }
- PIP — PROTECT IN PLACE
  NUMBER

Underground Service Alert
CALL BEFORE YOU DIG
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG
DIGNET

ENGINEER IN RESPONSIBLE CHARGE
Hans J. Kamrath
HANS J. KAMRATH
R.C.E. 14712, expires 3/31/89
DATE 2/17/87

REGISTERED PROFESSIONAL ENGINEER — HANS J. KAMRATH — NO. 14712 — CIVIL — STATE OF CALIFORNIA

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT		
APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	[illegible]	2/17/87
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	[illegible]	2/18/87
CHIEF P.W. ENGINEER	[illegible]	2/19/87
Survey [illegible] 2/10/87	Insp. [illegible]	

APPROVED BY: William D. Gardner, PUBLIC WORKS DIRECTOR
DATE 2-18-87

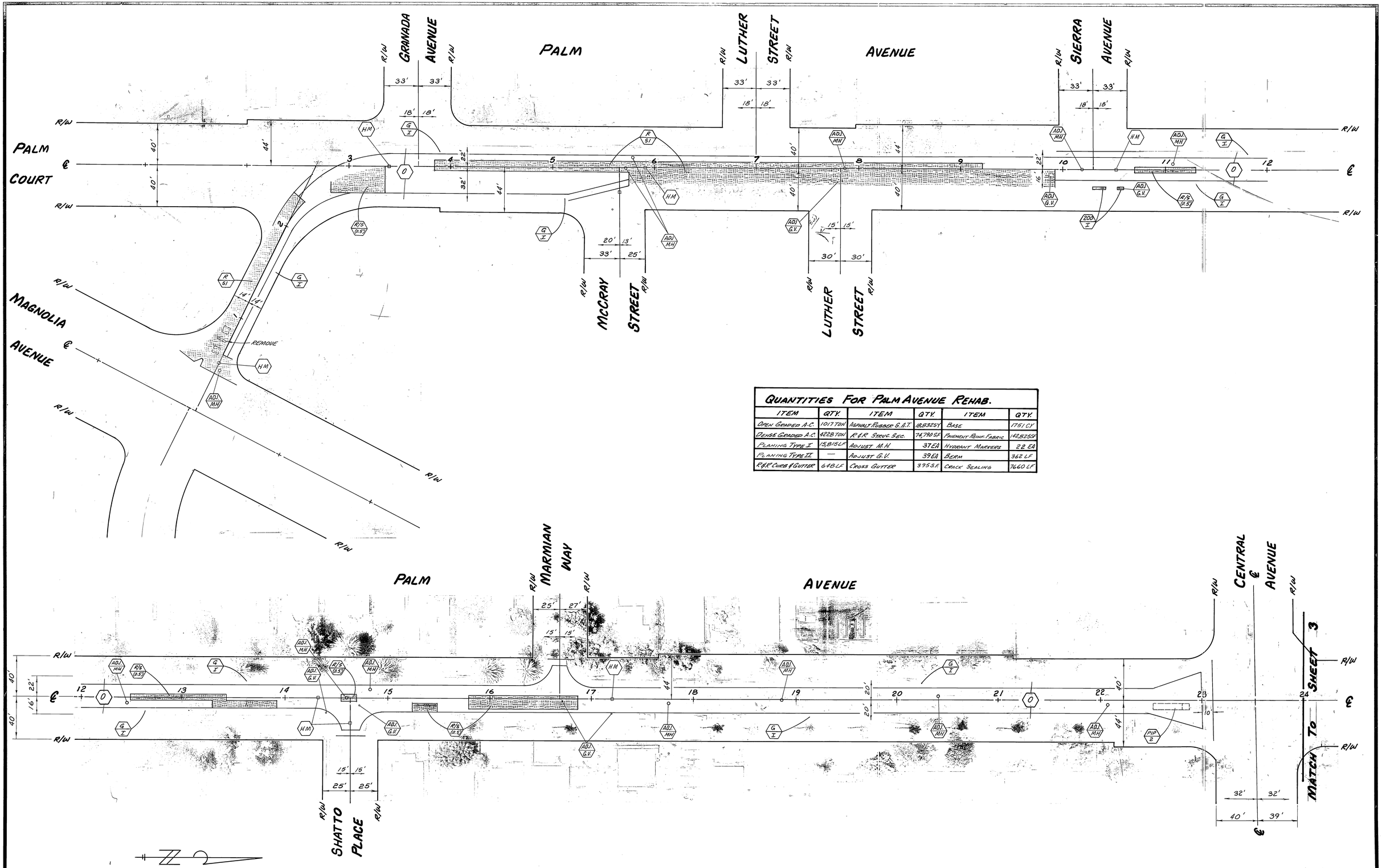
1986 MAJOR STREET REHAB.
SB-300
TITLE SHEET

ACCOUNT No. 30-575-357-04
DRAWING NUMBER R-2798
SHEET 1 OF 8

DESIGNED BY KARL E DRAWN BY TE CHECKED BY

INDEXED 3/87 C.S.

4-7



QUANTITIES FOR PALM AVENUE REHAB.

ITEM	QTY.	ITEM	QTY.	ITEM	QTY.
OPEN GRADED A.C.	1017 TON	ASPHALT RUBBER S.A.T.	18,832 SY.	BASE	1751 CY.
DENSE GRADED A.C.	1228 TON	R & R STRUC SEC.	74,790 SF	PAVEMENT REINF. FABRIC	142,825 SF
PLANING TYPE I	15,815 LF	ADJUST M.H.	37 EA	HYDRANT MARKERS	22 EA
PLANING TYPE II	—	ADJUST G.V.	39 EA	BERM	362 LF
R&R CURB & GUTTER	648 LF	CROSS GUTTER	395 S.F.	CRACK SEALING	7660 LF

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	BY	DATE
APPROVED BY		
PRINCIPAL ENGINEER	[illegible]	2/18/87
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	[illegible]	2/18/87
INSPECTION	RSE	2/18/87
SURVEY	—	—

APPROVED BY
William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-18-87

MARK REVISIONS APPR. DATE

DESIGNED BY KARL F DRAWN BY [illegible] CHECKED BY [illegible]

1986 MAJOR STREET REHAB. SB-300

PALM AVENUE
MAGNOLIA AVENUE TO BANDINI AVENUE

HOR'Z. SCALE: 1" - 40'

INDEXED C.S.

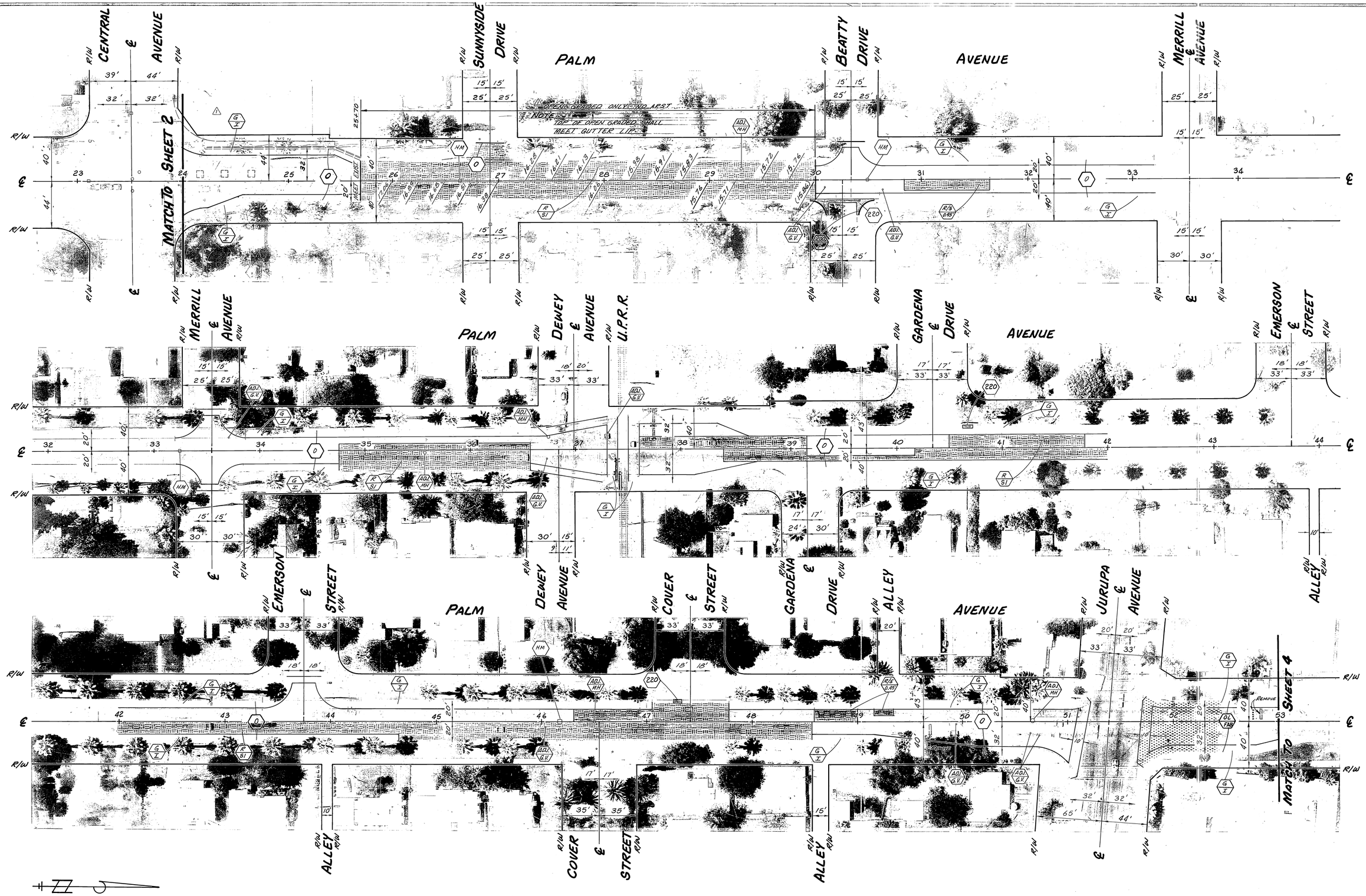
ACCOUNT NO. 30-570-387-04

R-2798

SHEET 2 OF 8

FILE NO.

INDEXED 3/87 C.S.



1	REVISE REMOVAL SECTION 25+70 TO 30+00		4/21/87
MARK	REVISIONS	APPR.	DATE

DESIGNED BY KARL F. DRAWN BY [illegible] CHECKED BY [illegible]

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	[illegible]	2/17/87
PARK DEPARTMENT		
TRAFFIC DIVISION	[illegible]	2/19/87
INSPECTION	[illegible]	2/19/87
SURVEY	[illegible]	2/18/87

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-18-87

1986 MAJOR STREET REHAB.
SB-300

PALM AVENUE
MAGNOLIA AVE. TO BANDINI AVE.

HORIZ. SCALE: 1" - 40'

INDEXED C.S.

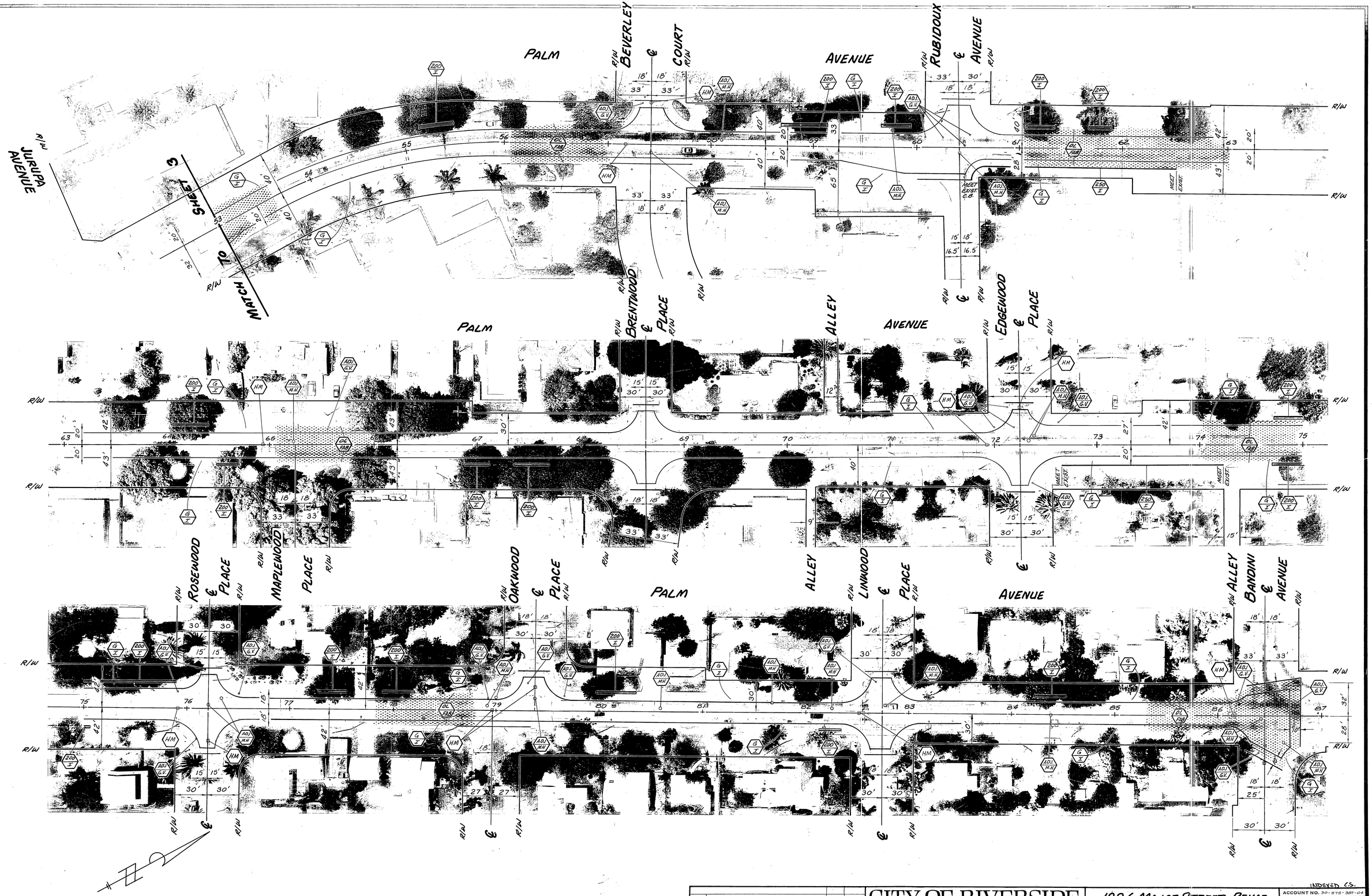
ACCOUNT NO. 30-575-387-04

R-2798

SHEET 3 OF 8

FILE NO.

INDEXED 3/87 C.S.



MARK	REVISIONS	APPR.	DATE

DESIGNED BY KARL P DRAWN BY TE CHECKED BY [illegible]

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	[illegible]	2/17/87
PARK DEPARTMENT		
TRAFFIC DIVISION	[illegible]	2/17/87
INSPECTION	[illegible]	2/18/87
SURVEY	—	—

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-18-87

1986 MAJOR STREET REHAB.
SB-300

PALM AVENUE
MAGNOLIA AVE. TO BANDINI AVE.

HORIZ. SCALE: 1" - 40'

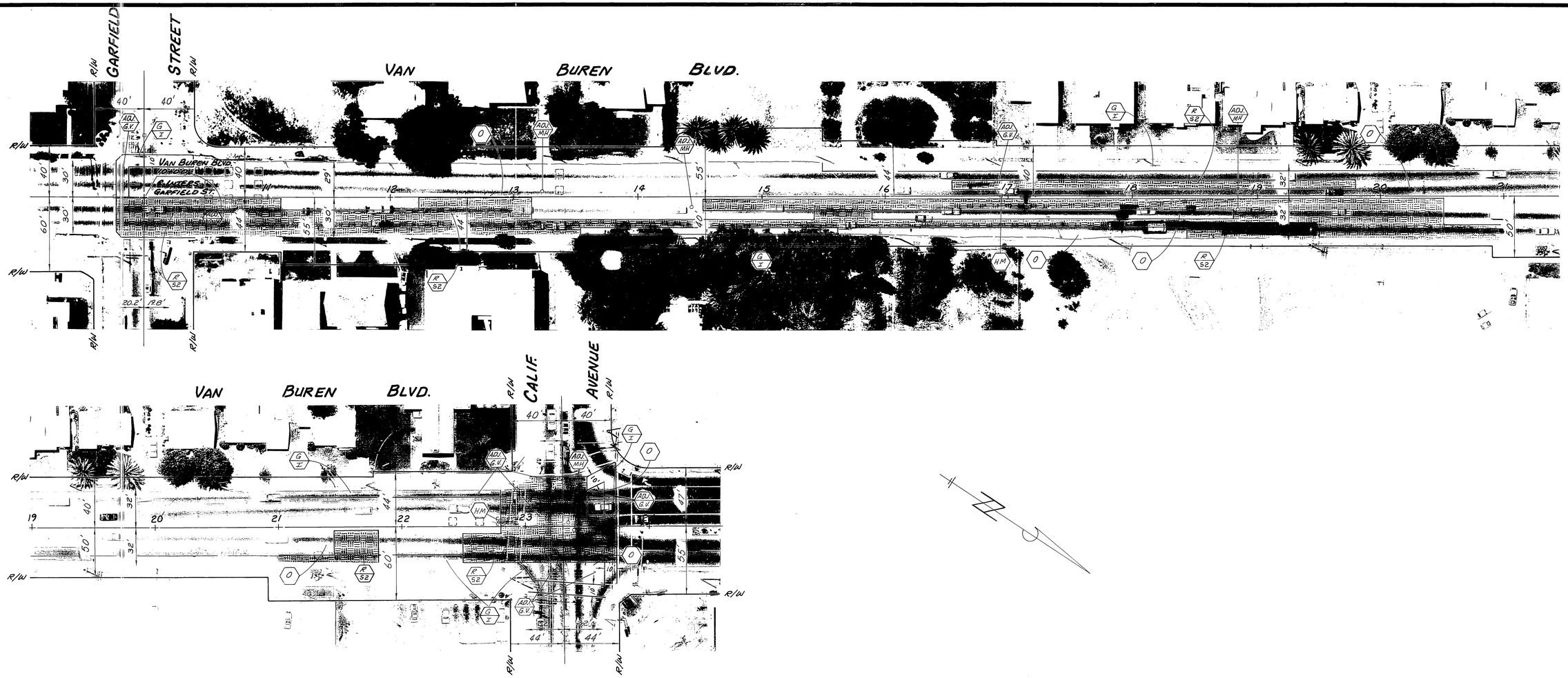
INDEXED C.S.
ACCOUNT NO. 30-575-387-04

R-2798

SHEET 4 OF 8

FILE NO.

INDEXED 3/87 C.S.



QUANTITIES FOR VAN BUREN BLVD. REHAB.

ITEM	QTY.	ITEM	QTY.	ITEM	QTY.
OPEN GRADED A.C.	500 TON	ASPHALT RUBBER S.A.T.	9211 SY	BASE	1403 CY
DENSE GRADED A.C.	974 TON	R & R STRUC. SEC.	36075 SF	PAVEMENT REINF. FABRIC	—
PLANING TYPE I	1482 LF	ADJUST M.H.	5	HYDRANT MARKERS	2
PLANING TYPE II	—	ADJUST G.V.	13	BERM	—
R & R CURB & GUTTER	—	CROSS GUTTER	—	CRACK SEALING	3300 LF

INDEXED C.S.

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	BY	DATE
APPROVED BY		
PRINCIPAL ENGINEER	JRE	4/11/87
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	APP.	3/9/87
INSPECTION	REC.	3/9/87
SURVEY	—	—

APPROVED BY
William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-18-87

MARK | REVISIONS | APPR. | DATE

DESIGNED BY ____ DRAWN BY TE CHECKED BY ____

1986 MAJOR STREET REHAB.
SB-300
VAN BUREN BLVD.
CALIFORNIA AVE. TO GARFIELD STREET

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

ACCOUNT NO. 30-576-387-04
R-2798
SHEET 5 OF 8
FILE NO.

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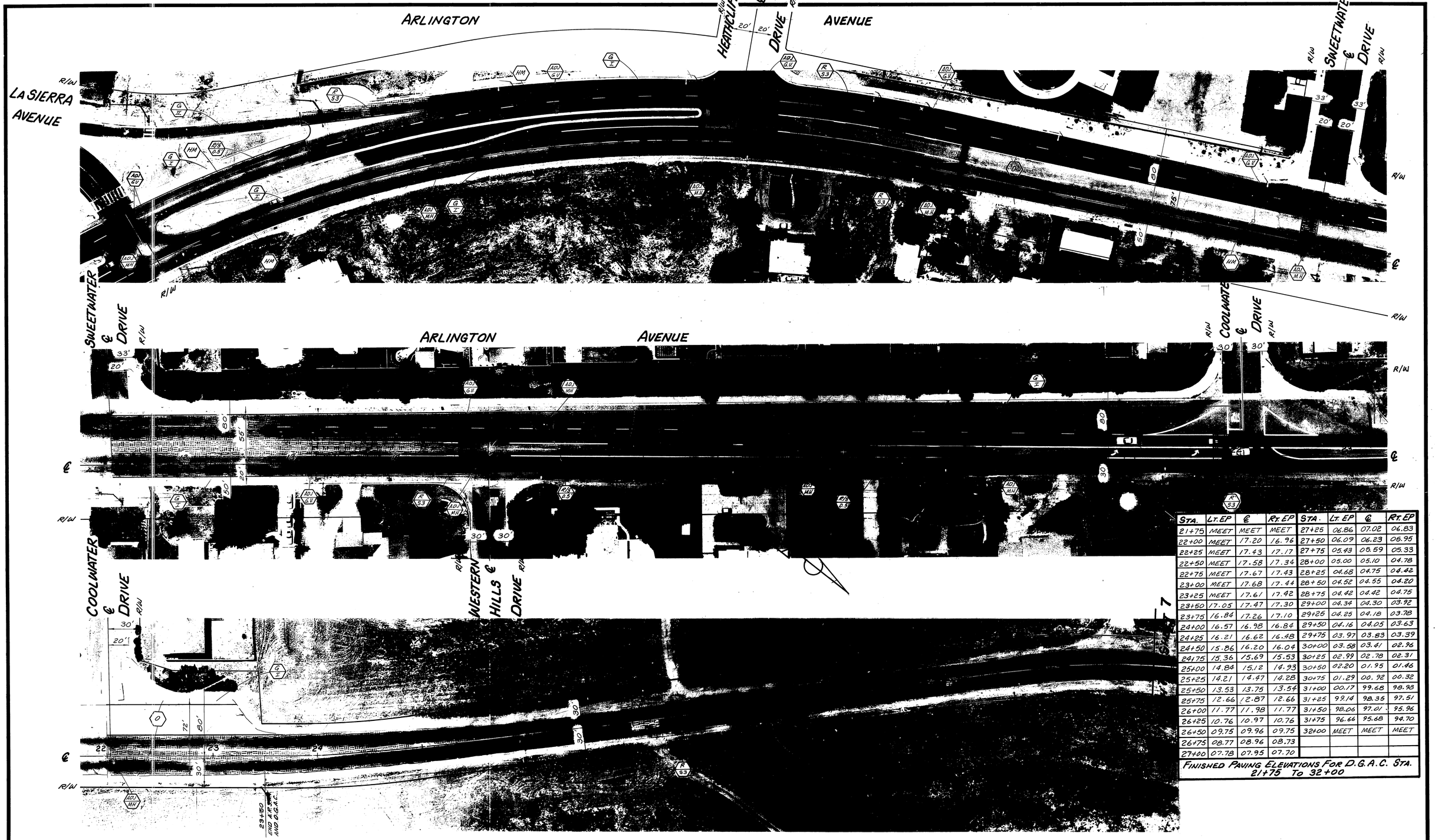
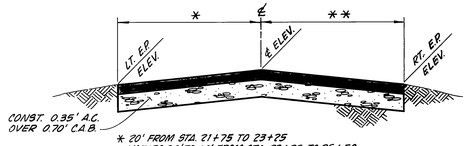


STA.	LT. EP	℄	RT. EP	STA.	LT. EP	℄	RT. EP
21+75	MEET	MEET	MEET	27+25	06.86	07.02	06.83
22+00	MEET	17.20	16.96	27+50	06.09	06.23	06.95
22+25	MEET	17.43	17.17	27+75	05.43	05.59	05.33
22+50	MEET	17.58	17.34	28+00	05.00	05.10	04.78
22+75	MEET	17.67	17.43	28+25	04.68	04.75	04.42
23+00	MEET	17.68	17.44	28+50	04.52	04.55	04.20
23+25	MEET	17.61	17.42	28+75	04.42	04.42	04.75
23+50	17.05	17.47	17.30	29+00	04.34	04.30	03.92
23+75	16.84	17.26	17.10	29+25	04.25	04.16	03.78
24+00	16.57	16.98	16.84	29+50	04.16	04.05	03.63
24+25	16.21	16.62	16.48	29+75	03.97	03.83	03.39
24+50	15.86	16.20	16.04	30+00	03.58	03.41	02.96
24+75	15.36	15.69	15.53	30+25	02.99	02.78	02.31
25+00	14.84	15.12	14.93	30+50	02.20	01.95	01.46
25+25	14.21	14.47	14.28	30+75	01.29	00.92	00.32
25+50	13.53	13.75	13.54	31+00	00.17	99.68	98.93
25+75	12.66	12.87	12.66	31+25	99.14	98.35	97.51
26+00	11.77	11.98	11.77	31+50	98.06	97.01	95.96
26+25	10.76	10.97	10.76	31+75	96.66	95.68	94.70
26+50	09.75	09.96	09.75	32+00	MEET	MEET	MEET
26+75	08.77	08.96	08.73				
27+00	07.78	07.95	07.70				

FINISHED PAVING ELEVATIONS FOR D.G.A.C. STA. 21+75 TO 32+00

QUANTITIES FOR ARLINGTON AVENUE REHAB.

ITEM	QTY.	ITEM	QTY.	ITEM	QTY.
OPEN GRADED A.C.	1,071 TON	ASPHALT RUBBER S.A.T.	19,831 SY	BASE	2,976 CY
DENSE GRADED A.C.	5,271 TON	R & R STRUC. SEC.	113,950 SF	PAVEMENT REINF. FABRIC	145,885 SF
PLANING TYPE I	4956 LF	ADJUST. M.H.	11 EA	HYDRANT MARKERS	4 EA
PLANING TYPE II	2215 SY	ADJUST. G.V.	9 EA	BERM	—
R & R CURB & GUTTER	—	CROSS GUTTER	—	CRACK SEALING	10240 LF



* 20' FROM STA. 21+75 TO 23+25
VARIES 20' TO 14' FROM STA. 23+25 TO 25+50
14' FROM STA. 25+50 TO 32+00

** 16' FROM STA. 21+75 TO 23+00
14' FROM STA. 23+25 TO 32+00

TYPICAL SECTION
STA. 21+75 TO 32+00 NO SCALE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
INSPECTION		
SURVEY		

APPROVED BY
William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-18-87

MARK	REVISIONS	APPR.	DATE

DESIGNED BY ____ DRAWN BY TE CHECKED BY

1986 MAJOR STREET REHAB.
SB-300

ARLINGTON AVENUE
LA SIERRA AVENUE TO CITY LIMITS

HORIZ. SCALE: 1" = 40'

INDEXED C.S.

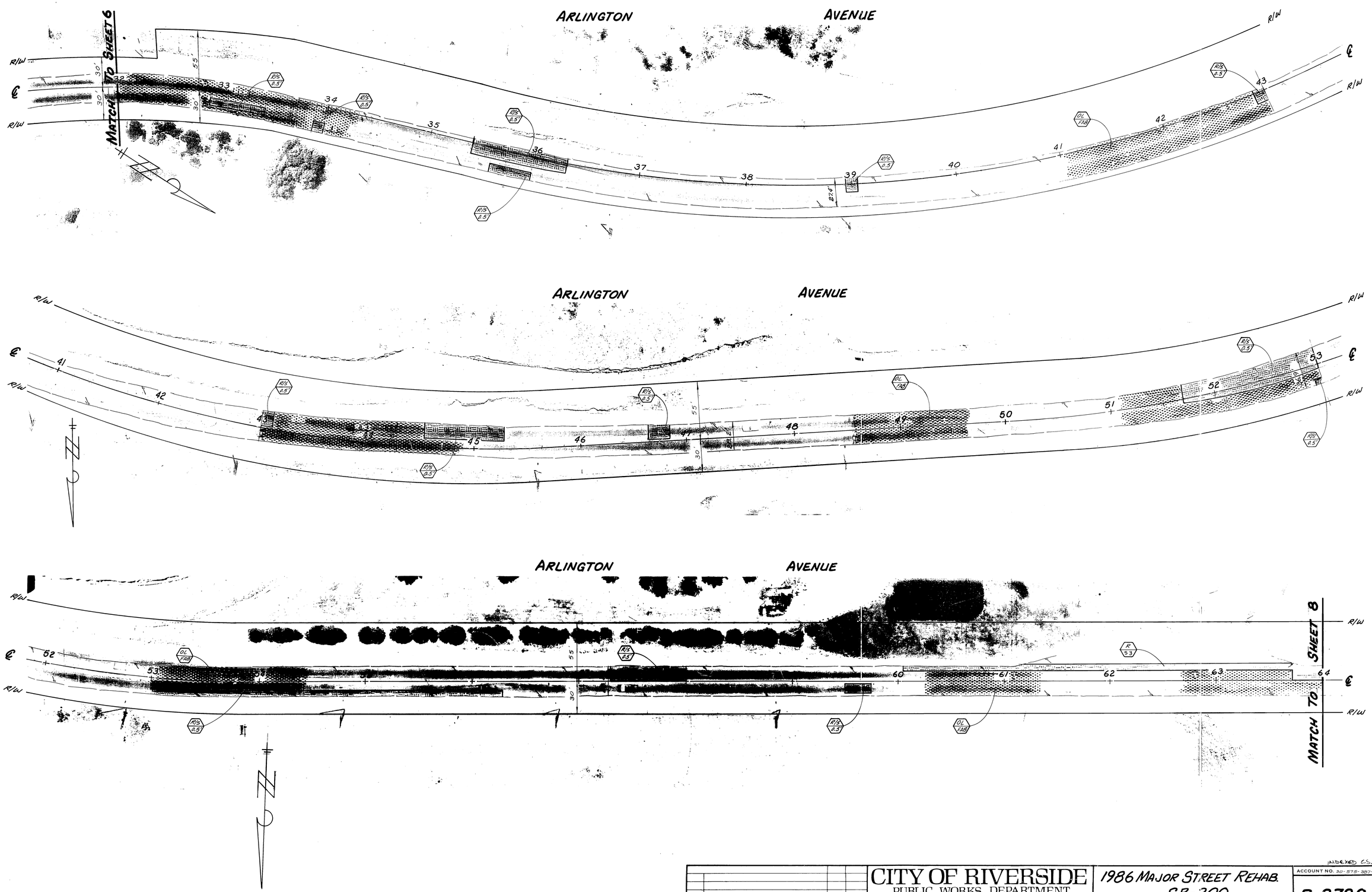
ACCOUNT NO. 30-576-387-04

R-2798

SHEET 6 OF 8

FILE NO.

INDEXED 3/87 C.S.



MARK	REVISIONS	APPR	DATE

DESIGNED BY KARL F DRAWN BY FE CHECKED BY [illegible]

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	[illegible]	2/17/87
PARK DEPARTMENT		
TRAFFIC DIVISION	[illegible]	2/19/87
INSPECTION	[illegible]	2/19/87
SURVEY	—	—

APPROVED BY [illegible]
PUBLIC WORKS DIRECTOR
DATE 2-18-87

1986 MAJOR STREET REHAB. SB-300

ARLINGTON AVENUE
LA SIERRA AVE. TO CITY LIMITS

HORIZ. SCALE: 1" = 40'

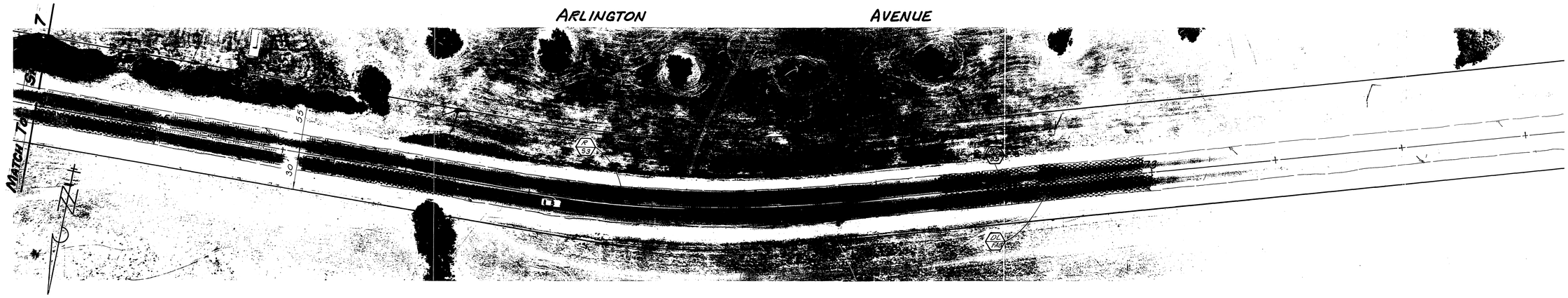
INDEXED C.S.
ACCOUNT NO. 30-575-387-04

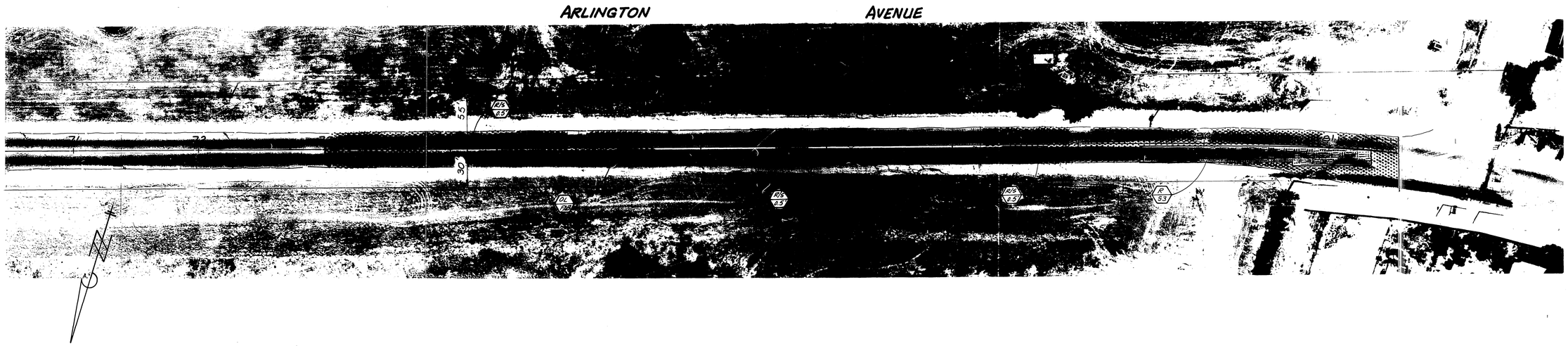
R-2798

SHEET 7 OF 8

FILE NO.

INDEXED 3/87 C.S.





INDEXED C.S.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY KARL F DRAWN BY PE CHECKED BY [illegible]

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	JHK	2/17/87
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	[illegible]	2/19/87
INSPECTION	REF	2/19/87
SURVEY	—	—

APPROVED BY William D. Gardner
PUBLIC WORKS DIRECTOR
DATE 2-18-87

1986 MAJOR STREET REHAB.
SB-300

ARLINGTON AVENUE
LA SIERRA AVE. TO CITY LIMITS

HORIZ. SCALE: 1" - 40'

ACCOUNT NO. 30-575-387-04

R-2798

SHEET 8 OF 8

FILE NO.

INDEXED 3/87 C.S.