RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE — INCORPORATED 1883

PUBLIC WORKS DEPARTMENT

REHABILITATION OF ARTERIAL STREETS 1993-1994
STP LN-5058 (11)

CONSTRUCTION LEGEND

CENTER LINE ——————℄——————
RIGHT-OF-WAY ——————R/W——————
SUBDIVISION LOT LINE ——————PL——————

TOP OF SLOPE
TOE OF SLOPE
DIRECTION OF FLOW ——————→

- (ADJ) ADJUST SEWER, STORM DRAIN, ELECTRIC OR WATER MANHOLE OR GATE VALVE TO GRADE. ADJUSTMENT TO GRADE OR RELOCATION OF GAS AND TELEPHONE COMPANY'S FACILITIES WILL BE DONE BY OTHERS.
- (D / RC) 0.10' MIN. DGAC (DENSE GRADED AC) OVER ARSAT (ASPHALT RUBBER STRESS ABSORBING TREATMENT). NOTE: RUBBER CHIP (RC) IS THE SAME AS AND IS USED INTERCHANGEABLY WITH ARSAT.
- (G1) GRIND EX. AC 0.05' BELOW GUTTER LIP OR OUTER EDGE, "DAY-LIGHTING" IN 5' (TYPE 1 GRINDING) EXCEPT AS SHOWN OTHERWISE ON PLAN AND DESCRIBED IN SPECIAL PROVISIONS.
- (OL / VAR) CONSTRUCT A VARIABLE THICKNESS DGAC OVERLAY.
- (R / II) REMOVE EXISTING TREE. CLASS IS SHOWN ON PLANS. CLASS I: 6" TO 18" DIA. CLASS II: 18" TO 36" CLASS III: OVER 36"
- (R / 0.85) REMOVE AND REPLACE EX. AC PAVEMENT WITH 0.85' FULL DEPTH DGAC. [MAGNOLIA AVE. (ARLINGTON TO CENTRAL)]
- (R / 0.75) REMOVE AND REPLACE EX. AC PAVEMENT WITH 0.75' FULL DEPTH DGAC. [MAGNOLIA AVE. (CENTRAL TO BANDINI)]
- (R / 0.80) REMOVE AND REPLACE EX. AC PAVEMENT WITH 0.80' FULL DEPTH DGAC. [MAGNOLIA AVE. (BANDINI TO RAMONA)] AND [MERRILL AVE. (MAGNOLIA TO RIVERSIDE)]
- (TDL / 8) TRAFFIC DETECTOR LOOP INSTALLATIONS — NUMBER OF DETECTOR LOOPS
- (TDL / PIP) PROTECT TRAFFIC DETECTOR LOOP INSTALLATIONS IN PLACE.
- (TDF) REMOVE ABANDONED TRAFFIC DETECTOR FRAME AND FOUNDATION.
- (G2 / .10') GRIND EXISTING A.C. 0.10' BELOW EXISTING A.C. SURFACE OR ADJACENT P.C.C. GUTTER LIP.

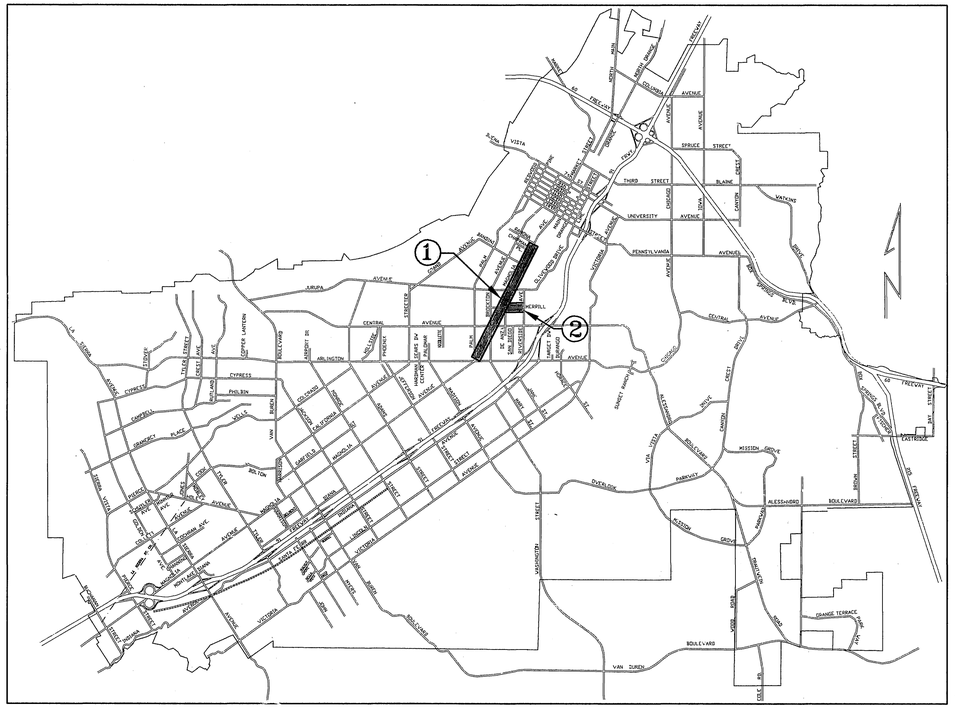
SPECIFIC CONSTRUCTION NOTES

⬢ NUMBERS ABOVE 100 IN A 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. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

GENERAL CONSTRUCTION NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1991 EDITION.
2. EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN. IF THE COVER OF A UTILITY IS KNOWN, IT IS SHOWN INTHE PROFILE. UTILITIES IN THE PROFILE AS ——?——○ INDICATES THAT THE COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH THE PROPOSED IMPROVEMENTS.
3. ALL ELEVATIONS SHOWN ON THE PLANS SHALL BE STAKED IN THE FIELD.
4. PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS A OR C-12 LICENSE.
5. THE SEAM BETWEEN PASSES OF THE DGAC OVERLAY SHALL COINCIDE, AS CLOSE AS POSSIBLE, WITH THE LANE LINES.
6. AFTER REMOVAL OF CURB, C&G OR EP REPLACEMENTS, FOR DESIGNATED R&R LENGTHS GREATER THAN 50', THE CONTRACTOR SHALL ALLOW 48 HRS. TO REQUEST SURVEY PLUS AN ADDITIONAL 48 HRS. TO RECEIVE PROPOSED GRADES FOR REPLACEMENT OF IMPROVEMENTS.
7. CRACKS IN PAVEMENT WHICH ARE 3/8" AND LARGER SHALL BE FILLED WITH A RUBBERIZED ASPHALT MATERIAL PRIOR TO APPLICATION OF THE ARSAT. WHEN THE PAVEMENT IS TO BE OVERLAID WITH DGAC ONLY, ALL CRACKS SHALL BE FILLED WITH A RUBBERIZED ASPHALT MATERIAL (SEE SPECIAL PROVISIONS).
8. MANHOLES AND VALVES WITHIN THE GRINDING OR PVMT. REPLACEMENT LIMITS SHALL NOT BE ADJUSTED TO GRADE; INSTEAD, ENOUGH GRINDING (OR PVMT. 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. EXCEPTIONS TO THIS ARE WHERE MHS. AND VALVES ARE WITHIN PVMT. REMOVAL AREAS BUT ARE TOO CLOSE (3' OR LESS) TO THE ADJACENT PROPOSED AC OVERLAY.
9. THE RIDGE PRODUCED BY THE EDGE OF THE DGAC OVELAY SHALL BE MINIMIZED. FEATHER THE DGAC AT INTERSECTIONS TO A MINIMUM THICKNESS (0.03') AT 5' BEYOND THE INDICATED EDGE OF THE OVERLAY.
10. PULL BOXES FOR SPLICING TRAFFIC LOOP DETECTOR CONDUCTORS AND LEAD-IN CABLE ARE NORMALLY ADJACENT TO DETECTORS, UNLESS OTHERWISE SHOWN ON THE PLAN.
11. RESURFACING LIMITS SHOWN AT INTERSECTIONS ARE NOT ABSOLUTE. THE INSPECTOR MAY REQUEST GRINDING AND PAVING INTO SIDE STREETS TO IMPROVE RIDE QUALITY AND OTHER STREET CONDITIONS.
12. PLANS DO NOT TYPICALLY INDICATE LOCATIONS OF WATER VALVES OR FIRE HYDRANTS TO SIMPLIFY PLAN PREPARATION EFFORT; HOWEVER, THESE FACILITIES MUST BE LOCATED DURING CONSTRUCTION TO MAKE VALVE BOX ADJUSTMENMTS AND BLUE HYDRANT MARKER INSTALLATIONS. THE VALVE BOXES MUST BE "TIED OUT" AS PART OF THE CONTRACTORS WORK.

	STREET	LIMITS	TRAFFIC INDEX	LENGTH	SH. NO.
①	MAGNOLIA AVE.	ARLINGTON TO CENTRAL	8.5	7,100' - 1.3 MILES	2
		CENTRAL TO RAMONA	8.0	3,000' - 0.6 MILE	2 - 4
②	MERRILL AVE.	MAGNOLIA TO RIVERSIDE	8.0	2,000' - 0.4 MILE	5



PROJECT LOCATION PLAN

0 KM. 1 KM. 5 KM 10 KM.
0' 3,000' 6,000' 12,000' 18,000' 24,000' 30,000' 36,000'

SCALE : 1" = 6,000'

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES

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

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.
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- VALVE
- AIR VALVE
- AIR VENT
- BUS STOP SIGN
- BLOW-OFF VALVE
- IRRIGATION STAND PIPE
- CONCRETE
- ASPHALT
- BUILDING
- EDGE OF PAVEMENT
- POLE & GUY ANCHOR
- POWER POLE
- TELEPHONE POLE
- TELEPHONE RISER
- JOINT USE POLE
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- STREET NAME SIGN
- GAS METER
- MAIL BOX
- FAUCET
- WALK-DON'T WALK PEDESTRIAN SIGNAL
- ELECTROLYSIS TEST STATION
- WHEEL STOP
- A.C. BERM
- PEDESTRIAN PUSH BUTTON
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL PRESSURE DETECTOR
- TRAFFIC SIGNAL LOOP DETECTOR
- STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
- STREET LIGHT (UPRIGHT)
- STREET LIGHT ON MAST ARM
- STEEL POST
- WOOD POST

IMPORTANT NOTICE

Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call Underground Service Alert TOLL FREE 1-800-422-4133 Two working days before you dig.

REGISTERED PROFESSIONAL ENGINEER — RONALD C. MUELLER — NO. 29510 Expires: 3/31/95 — CIVIL — STATE OF CALIFORNIA

ENGINEER IN RESPONSIBLE CHARGE
Ronald C. Mueller
RONALD C. MUELLER
R.C.E. No. 29510 expires 3/31/95
DATE 3/30/94

MARK | REVISIONS | APPR. | DATE

DESIGNED BY RVZ DRAWN BY RJM CHECKED BY RCM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RVZ	3/31/94
PRINCIPAL ENGINEER	JS	3/30/94
CHIEF P.W. INSPECTOR	CS	3/30/94
STREET SERVICES	JJ	3/30/94
SURVEYOR	LWS	3/30/94
TRAFFIC DIVISION	JS	3/30/94
PARKS DEPARTMENT	JH	3/30/94

APPROVED BY Bruce Bell
PUBLIC WORKS DIRECTOR
DATE 3/31/94

AS BUILT 2/7/95 RJM

REHABILITATION ARTERIAL STREETS
STP LN-5058 (11) 93 - 94

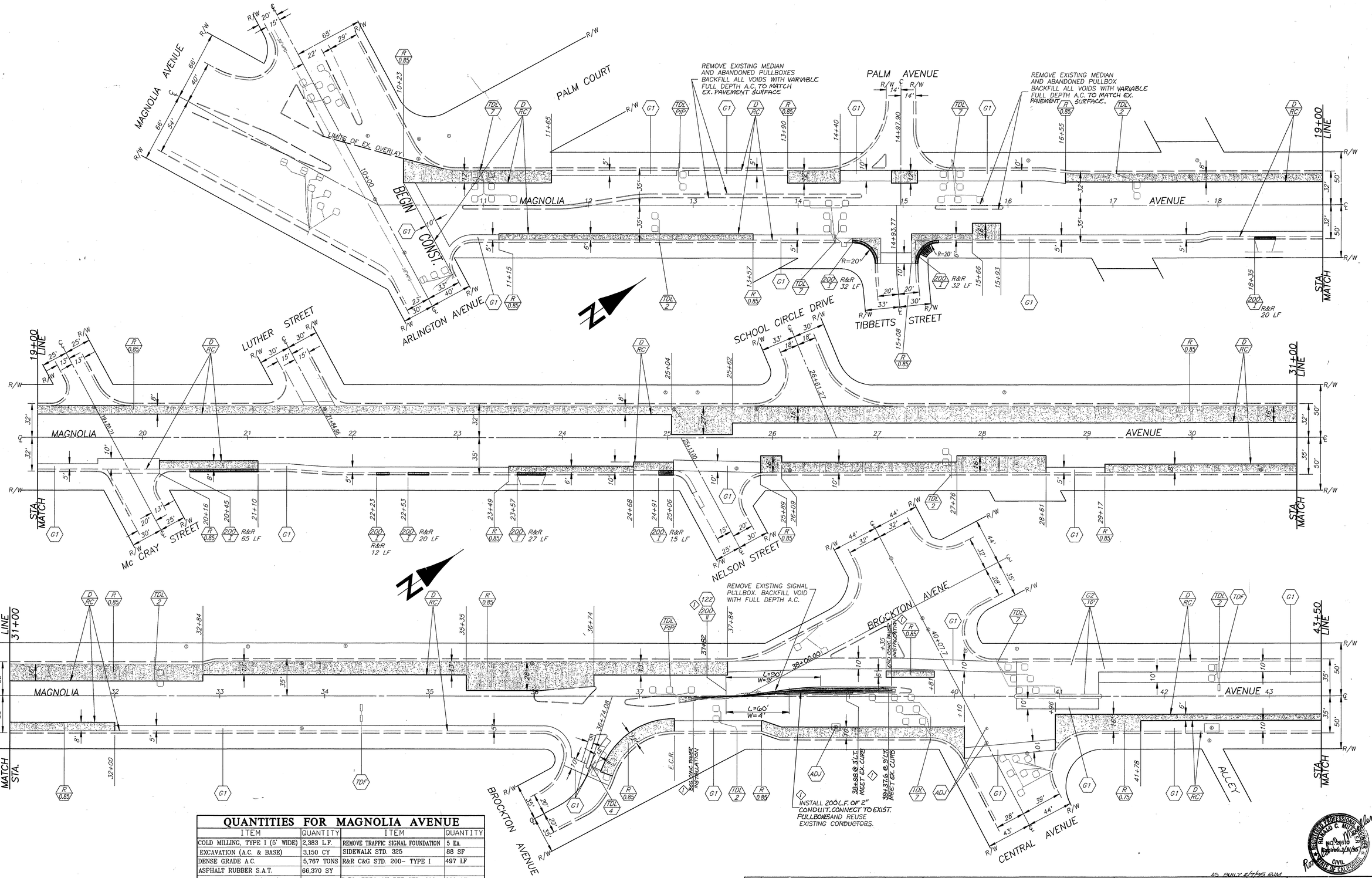
ACCT. NO. 230-541500-440223-30034

R-3312

SHEET 1 OF 5

FILE NO.

INDEXED 11-14-94 GH PC 3709-5



QUANTITIES FOR MAGNOLIA AVENUE

ITEM	QUANTITY	ITEM	QUANTITY
COLD MILLING, TYPE I (5' WIDE)	2,383 L.F.	REMOVE TRAFFIC SIGNAL FOUNDATION	5 EA.
EXCAVATION (A.C. & BASE)	3,150 CY	SIDEWALK STD. 325	88 SF
DENSE GRADE A.C.	5,767 TONS	R&R C&G STD. 200- TYPE I	497 LF
ASPHALT RUBBER S.A.T.	66,370 SY		
A.C. REPLACEMENT (PLAN)	6,376 TONS	D/W APPROACH PER STD. 302	300 SF
ADJUST SEWER & S.D. M.H. FRAME & COVER TO GRADE	8 EA.	RAISED PAVEMENT MARKERS	25 EA.
		TACK COAT	3,319 GALS.
ADJUST WATER GATE VALVE COVER TO GRADE	21 EA.	ADJ. ELECT. COVER TO GRADE	11 EA.
		CRACK SEALING	40,112 LF
REPLACE WATER GATE VALVE FRAME & COVER	31 EA.	PAVEMENT PREPARATION	(0.5' THICK)
		A.C. REMOVAL	961 CY
TRAFFIC SIGNAL LOOPS	129 EA.	A.C. REPLACEMENT (INSP)	1,946 TONS

NOTE: PAVEMENT PREPARATION QUANTITIES ARE BASED ON APPROXIMATED AREAS OF REMOVAL AND REPLACEMENT NOT SHOWN ON THE PLANS. THESE QUANTITIES ARE TO ACCOUNT FOR MINOR AREAS OF ADDITIONAL PAVEMENT DETERIORATION SELECTED FOR REMOVAL BY THE INSPECTOR.

MARK	REVISIONS	APPR.	DATE
1	MODIFY EX. MEDIAN, INSTALL SIGNAL CONDUIT INSTALL CONCRETE PAVERS	RCM	4/14/94

DESIGNED BY RVZ DRAWN BY RJM,CURT CHECKED BY RCM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RVZ	3/31/94
PRINCIPAL ENGINEER		
CHIEF P.W. INSPECTOR	RJM	3/31/94
STREET SERVICES		
SURVEYOR	JWS	3/30/94
TRAFFIC DIVISION		3/30/94
PARKS DEPARTMENT		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 3/31/94

AS BUILT 8/7/95 RJM

REHABILITATION OF ARTERIAL STREETS STP LN-5058-(11) 93-94
MAGNOLIA AVENUE
ARLINGTON TO RAMONA

HORIZ. SCALE: 1" = 40'

ACCT NO. 230-541500-440223-30034

R-3312

SHEET 2 OF 5

FILE NO.

REGISTERED PROFESSIONAL ENGINEER ROMALD C. MUELLER No. 29510 Expires 3/31/95 CIVIL STATE OF CALIFORNIA

INDEXED 11-14-94 LH

SUNNYSIDE DR.
BEATTY DRIVE
MERRILL AVE.
MAGNOLIA AVENUE
ALLEY
SUNNYSIDE DR
BEATTY DRIVE
MERRILL AVE
MATCH LINE 43+50
MATCH LINE 56+00
MATCH STA.
SEE SH. 5 FOR REHABILITATION WORK ON MERRILL AVENUE
10' FEATHER GRIND TO MEET EX. A.C.
MATCH LINE 56+00
MATCH LINE 68+50
PRIVATE D/W
MAGNOLIA AVENUE
10' FEATHER GRIND TO MEET EX. A.C.
U.P.R.R. R/W
MATCH STA.
MATCH LINE 68+50
MATCH LINE 80+25
JURUPA AVENUE
MAPLEWOOD PLACE
MAGNOLIA AVENUE
ELIZABETH ST.
BRISCOE STREET
MATCH STA.
MATCH STA.

AS BUILT 2/7/96 RM

MARK	REVISIONS	APPR.	DATE
1	ADDED ELECT. FACILITY ADJUST. (5PL.)	RPM	11/1/94

DESIGNED BY RVZ DRAWN BY CURT CHECKED BY RPM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR		3/31/94
PRINCIPAL ENGINEER		3/30/94
CHIEF P.W. INSPECTOR		3/30/94
STREET SERVICES		3/30/94
SURVEYOR		3/30/94
TRAFFIC DIVISION		3/30/94
PARKS DEPARTMENT		3/29/94

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 3/31/94

REHABILITATION OF ARTERIAL STREETS STP LN-5058-(11) 93-94
MAGNOLIA AVENUE
ARLINGTON TO RAMONA

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

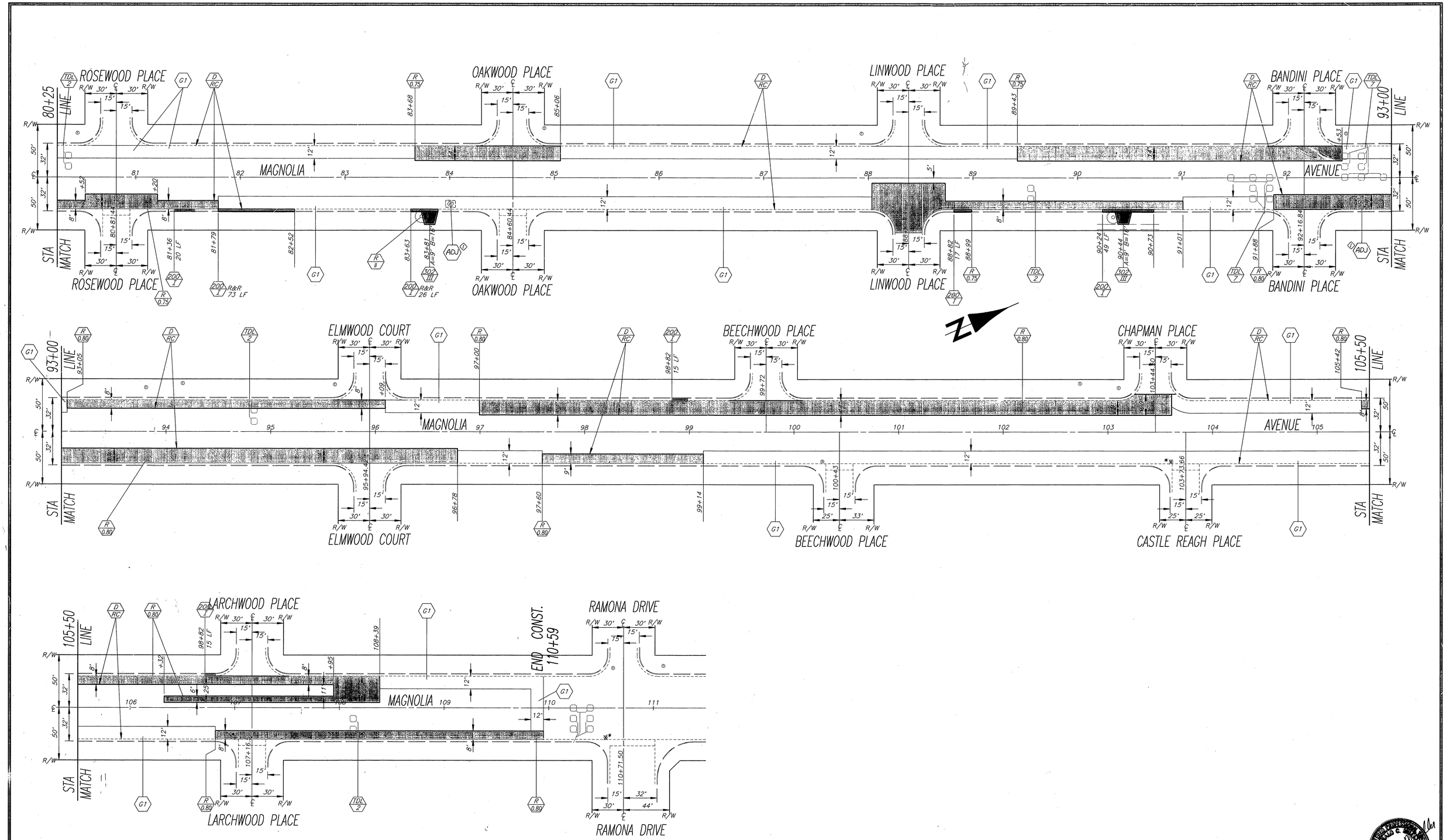
ACCT NO. 230-541500-440223-30034

R-3312

SHEET 3 OF 5

FILE NO.

INDEXED 11-14-94 GH



MARK	REVISIONS	APPR.	DATE
1	ADDED ELECT. FACILITY ADJUST. (2 PL.)	RCM	4/14/94

DESIGNED BY RVZ DRAWN BY RJM,CURT CHECKED BY RCM

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	RMG	3/31/94
PRINCIPAL ENGINEER		3/30/94
CHIEF P.W. INSPECTOR		3/30/94
STREET SERVICES		3/30/94
SURVEYOR	JLDS	3/30/94
TRAFFIC DIVISION		3/30/94
PARKS DEPARTMENT		3/17/94

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 3/31/94

*AS BUILT 3/1/95 RCM

REHABILITATION OF ARTERIAL STREETS STP LN-5058-(11) 93-94

MAGNOLIA AVENUE
ARLINGTON TO RAMONA

HORIZ. SCALE: 1" = 40'

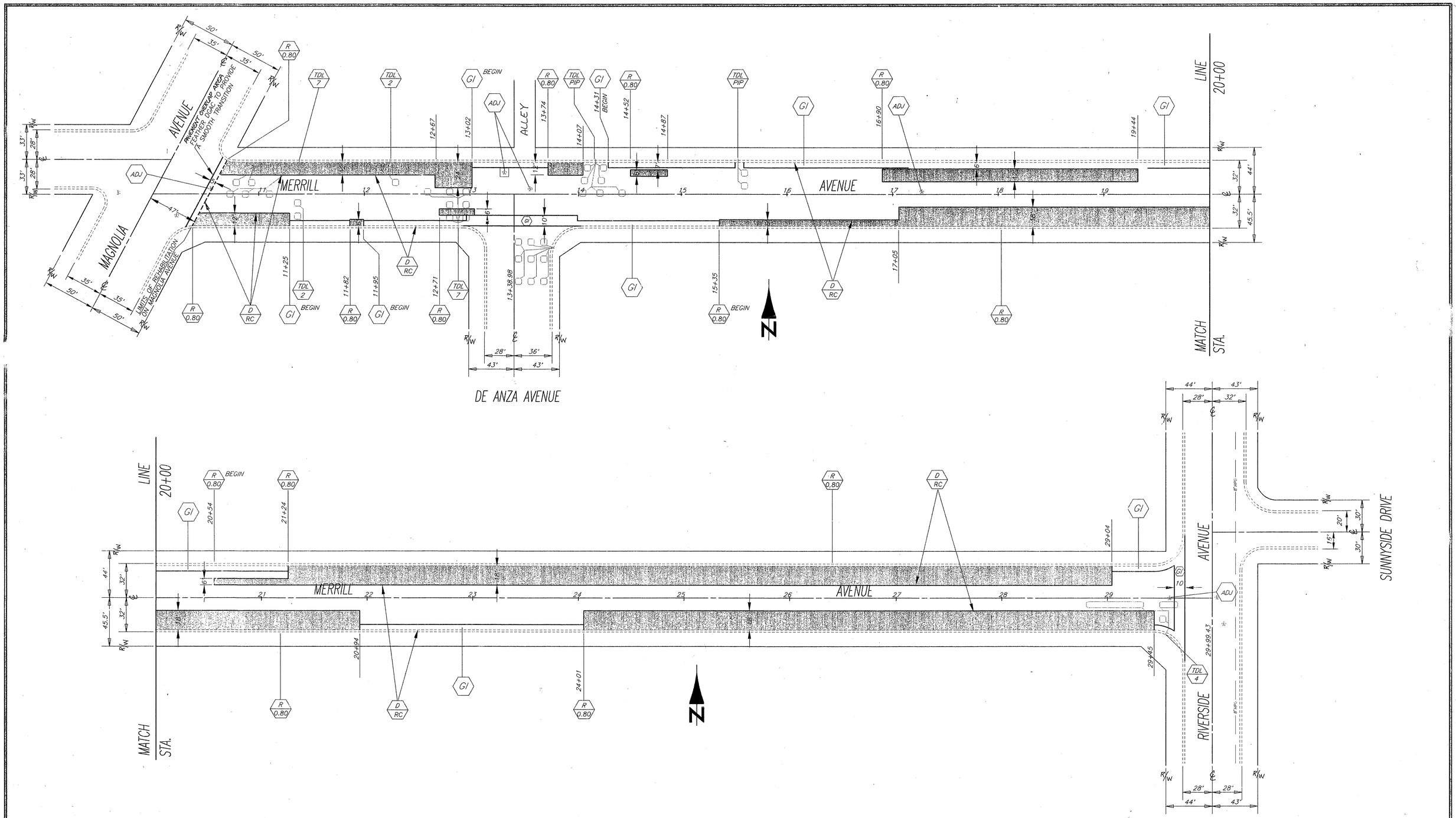
ACCT NO. 230-541500-440223-30034

R-3312

SHEET 4 OF 5

FILE NO.

INDEXED 11-14-94 PC 3709-5



ITEM	QUANTITY	ITEM	QUANTITY
A.C. PVMT. GRINDING, TYPE I	1,731 LF	TRAFFIC SIGNAL LOOPS	22 EA.
EXCAVATION (A.C. & BASE)	1,097 CY	REMOVE TRAFFIC SIGNAL FOUNDATION	0 EA.
A.C. REPLACEMENT (PLAN)	2,221 TONS	SIDEWALK STD. 325	0 SF
DENSE GRADE A.C. (OVERLAY)	1,050 TONS	WHEEL CHAIR RAMP STD. 304	0 EA.
ASPHALT RUBBER S.A.T.	9,003 SY	D/W APPROACH PER STD. 302	0 SF
ADJUST SEWER & S.D. M.H. FRAME & COVER TO GRADE	4 EA.	RAISED PAVEMENT MARKERS	4 EA.
		TACK COAT	450 GALS.
ADJUST ELECTRIC VAULT COVER TO GRADE	1 EA.	CRACK SEALING	7,764 LF
		PAVEMENT PREPARATION	(0.5" THICK)
REPLACE WATER GATE VALVE FRAME & COVER	1 EA.	A.C. REMOVAL	55 CY
		A.C. REPLACEMENT (INSP.)	112 TONS

NOTE: PAVEMENT PREPARATION QUANTITIES ARE BASED ON APPROXIMATED AREAS OF REMOVAL AND REPLACEMENT NOT SHOWN ON THE PLANS. THESE QUANTITIES ARE INCLUDED TO ACCOUNT FOR MINOR AREAS OF ADDITIONAL PAVEMENT DETERIORATION SELECTED FOR REMOVAL BY THE INSPECTOR.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY RVZ DRAWN BY CURT, RJM CHECKED BY rem

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
DEPUTY P.W. DIRECTOR	[illegible]	3/31/95
PRINCIPAL ENGINEER	[illegible]	3/29/95
CHIEF P.W. INSPECTOR	[illegible]	3/28/95
STREET SERVICES	[illegible]	3/29/95
SURVEYOR	[illegible]	3/30/95
TRAFFIC DIVISION	[illegible]	3/30/95
PARKS DEPARTMENT	[illegible]	3/27/95

APPROVED BY [illegible] PUBLIC WORKS DIRECTOR
DATE 3/31/95

AS BUILT 3/1/95 RJM

REHABILITATION OF ARTERIAL STREETS STP LN-5058-(11) 93-94
MERRILL AVENUE
MAGNOLIA TO RIVERSIDE

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

ACCT NO. 230-541500-440223-30034

R-3312

SHEET 5 OF 5

FILE NO.

INDEXED 11-14-94 GH