

RIVERSIDE CITY OF RIVERSIDE CALIFORNIA

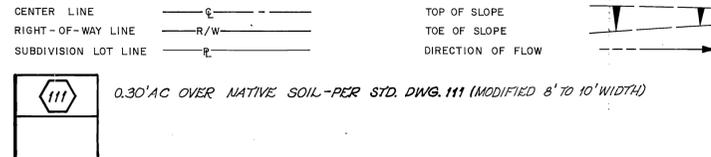
PUBLIC WORKS DEPARTMENT

SANTA ANA RIVER BIKEWAY

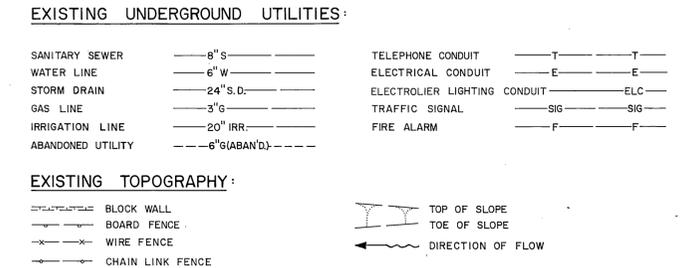
PHASE I B

RUBIDOUX AVE. TO MARTHA McLEAN-ANZA NARROWS PARK

CONSTRUCTION LEGEND



EXISTING UNDERGROUND & TOPOGRAPHY LEGEND



SPECIFIC CONSTRUCTION NOTES

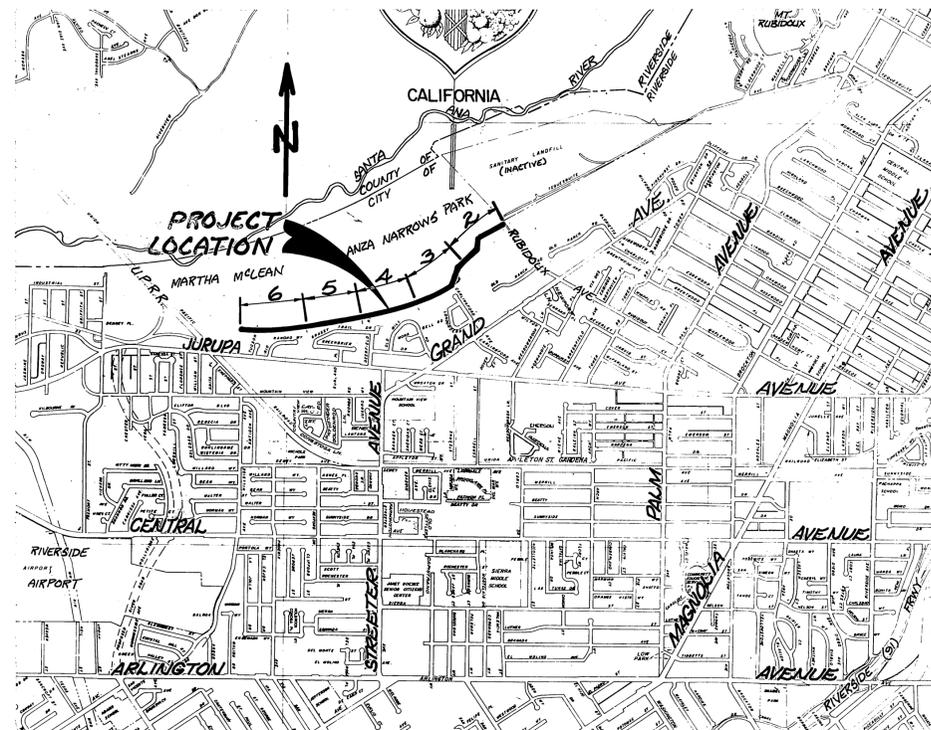
NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET BELOW. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT STANDARD DRAWING FOR CHAIN LINK FENCE.

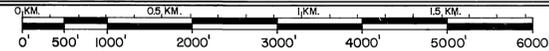
- 1 INSTALL TRAFFIC CONTROL SIGN, SEE SIGN CHART ON SH. 1 OF 7 FOR TYPE OF SIGN AND LOCATION.
- 1 INSTALL STRIPING OR PAVEMENT MARKINGS, SEE PAVEMENT MARKING CHART ON SH. 1 OF 7 FOR TYPE, LOCATION AND/OR LIMITS.
- A-7 DETAIL DESIGNATION
- 1 PAGE NO.
- MH RECONSTRUCT EXISTING MANHOLE SHAFT TO MATCH PROPOSED ADJACENT BIKEWAY GRADE.
- 4-10 CONSTRUCT 10' HIGH FREE-STANDING CONCRETE BLOCK WALL PER STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN DETAIL NOS. 20-34.4 & 20-34.5 AND AS SHOWN ON PLANS.
- 10-1 CONSTRUCT 10' HIGH CONCRETE BLOCK RETAINING PER CITY STANDARD DRAWING NUMBER TOT. FOOTING AND REBAR CONFIGURATION SHALL BE CONSTRUCTED ACCORDING TO THE DESIGN FOR 8' HIGH WALL. ACTUAL WALL HEIGHT AND BACKFILL LIMITS SHALL BE AS SHOWN ON PLANS. 12" WIDE BLOCKS SHALL BE INSTALLED TO A HEIGHT OF 4' ABOVE TOP OF FOOTING.

GENERAL CONSTRUCTION NOTES

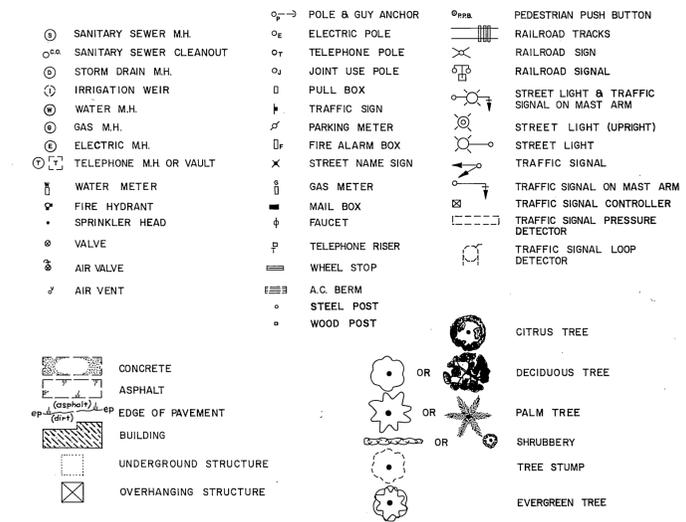
- 1 ALL ELEVATIONS SHOWN ON THE PLAN SHALL BE STAKED IN THE FIELD TO THE NEAREST FOOT OR AS DICTATED BY FIELD CONDITIONS.
- 2 RIGHTS OF ENTRY HAVE BEEN OBTAINED FOR WORK SHOWN ON PRIVATE PROPERTY.
- 3 BIKEWAY X-SLOPES VARY 2% MIN. TO 4% MAX. BIKEWAY LONGITUDINAL SLOPES VARY 0.25% MIN. TO 13.0% MAX.
- 4 WHERE NO GRADES ARE SHOWN ON THE PLANS, GRADES SHALL BE ESTABLISHED IN THE FIELD BY THE INSPECTOR TO INSURE ADEQUATE DRAINAGE AND SMOOTH RIDING CHARACTERISTICS.
- 5 WHERE ELEVATIONS AND PROPOSED CONTOURS ARE SHOWN IN DETAILS, THEY TAKE PRECEDENCE IN ACCURACY OVER THOSE SHOWN IN THE GENERAL PLAN VIEWS AND SHALL BE STAKED TO ACCURACY SHOWN OR AS DICTATED BY FIELD CONDITIONS.
- 6 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 IN THE PROFILE. UTILITIES SHOWN IN THE PROFILE AS INDICATES THAT THE COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- 7 PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS 'A' OR 'A-C-12' LICENSE.
- 8 BRIDGE FOOTING DESIGN IS BASED ON TEST DATA AND RECOMMENDATIONS OBTAINED FROM SOILS REPORT NO. 91234-3 DATED 4-22-91 AS PROVIDED BY CHJ GEOTECHNICAL, INC.



PROJECT LOCATION PLAN



SCALE 1" = 1600'



STRIPING LEGEND

NO.	DESCRIPTION	STA.	REMARKS
1	"BIKE LANE" & ARROW	100+40	WEST BOUND
2	"BIKE LANE" & ARROW	100+60	EAST BOUND
3	BIKE STENCIL	113+00	EAST BOUND
4	BIKE STENCIL	115+50	WEST BOUND
5	BIKE STENCIL	129+00	EAST BOUND
6	BIKE STENCIL	130+50	WEST BOUND
7	BIKE STENCIL	144+00	EAST BOUND
8	BIKE STENCIL	145+50	WEST BOUND
9	4" WHITE EDGE STRIPE	AS SHOWN ON PLANS	BOTH SIDES OF BIKEWAY
10	4" YELLOW E STRIPE (3 STRIPE, 9" GAP)	100+00 to 158+41.16	INCLUDES STRIPING @ BARRIER POST
11	"HORSE XING AHEAD"	117+90	WEST BOUND
12	"HORSE XING AHEAD"	194+50	EAST BOUND
13	"SLOW" & CURVE ARROW (52)	AS SHOWN ON PLANS	WEST BOUND
14	"SLOW" & CURVE ARROW (52)	AS SHOWN ON PLANS	EAST BOUND

SIGNING LEGEND

NO.	CODE	STA.	REMARKS
1	SP1, G-93	99+00	DIRECTIONAL SIGN BIKE ROUTE WEST BOUND
2	SP2, G-93	101+00	DIRECTIONAL SIGN BIKE ROUTE EAST BOUND

COUNTY OF RIVERSIDE
PARKS DEPARTMENT
APPROVED BY: *Paul Romero*
DATE: 10-29-91
PAUL ROMERO
PARKS DIRECTOR

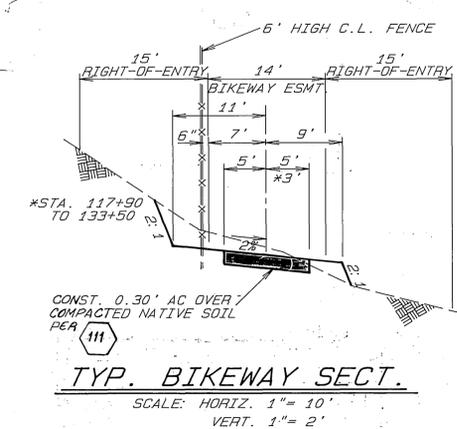
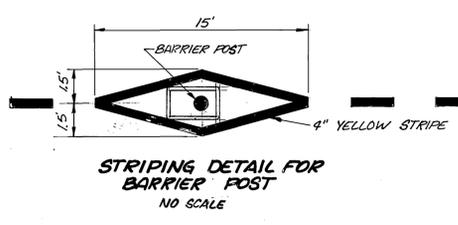
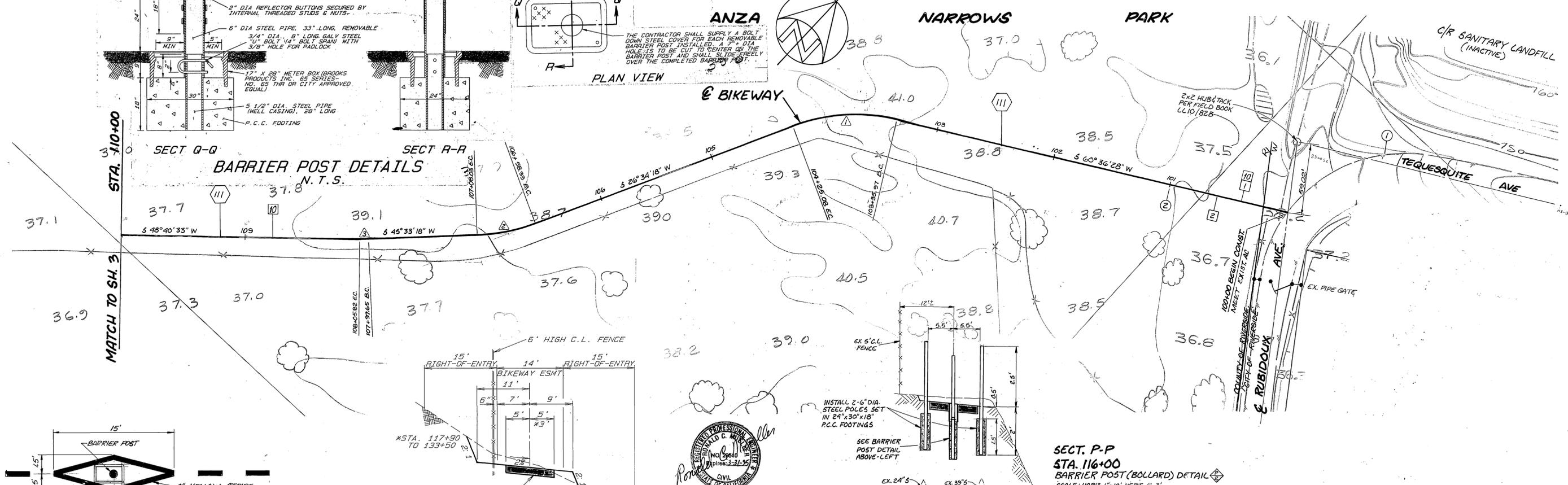
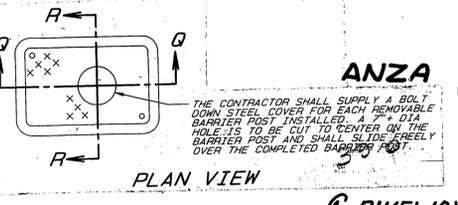
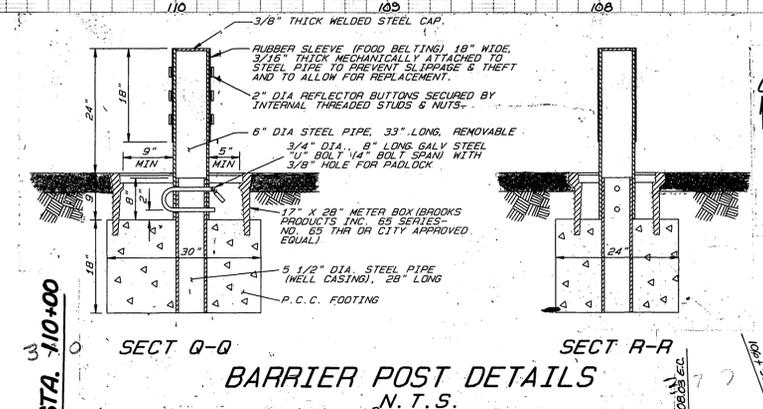
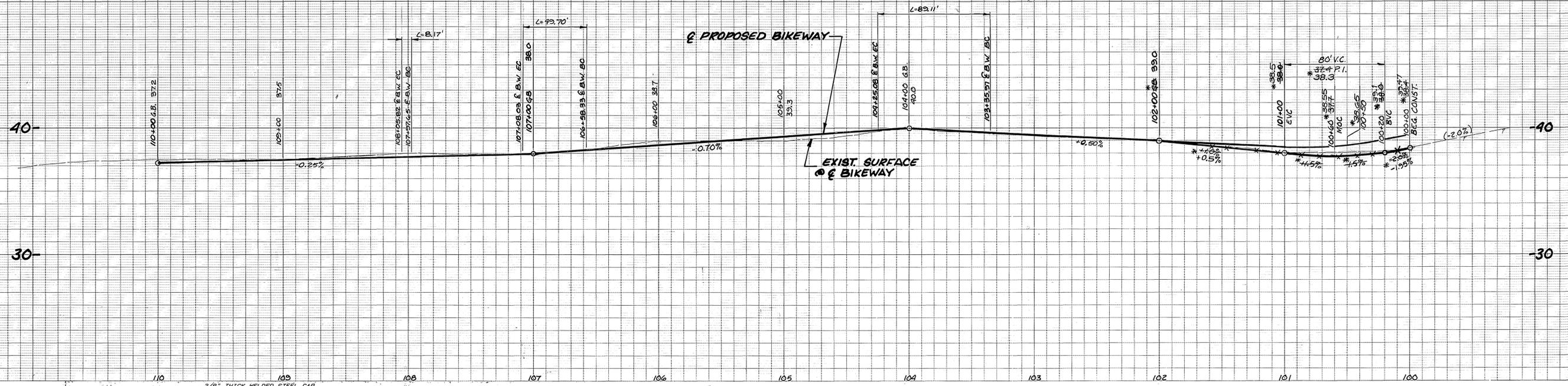
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY: *Frank Sherrow*
DATE: 10/31/91
FRANK SHERROW
DIRECTOR OF TRANSPORTATION

ENGINEER IN RESPONSIBLE CHARGE
Ronald C. Mueller
RONALD C. MUELLER
RCE 29510 expires 3-31-95
DATE: 8-2-91

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: *Ronald C. Mueller*
DATE: 8/2/91
RONALD C. MUELLER
PRINCIPAL ENGINEER
DEPUTY P.W. DIRECTOR
TRAFFIC DIVISION
CHIEF P.W. INSPECTOR
SURVEYOR

SANTA ANA RIVER BIKEWAY
PHASE I B
RUBIDOUX AVE. TO MARTHA McLEAN PARK

ACCOUNT NO. 30-575-269-03
DRAWING NUMBER
R-3172
SHEET 1 OF 7



CURVE DATA				
R	Δ	L	T	
150'	34° 02' 10"	89.11'	45.91'	
150'	18° 59' 00"	49.70'	25.08'	
150'	3° 07' 15"	8.17'	4.09'	

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]
PRINCIPAL ENGINEER
DEPUTY P.W. DIRECTOR
SURVEYOR

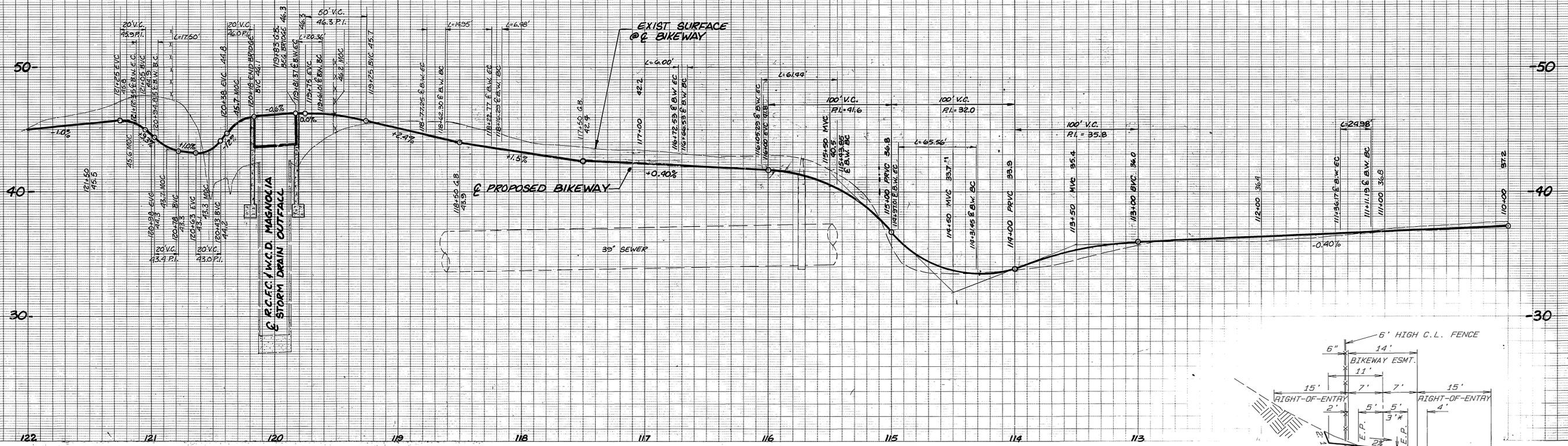
DATE: 10/13/92

SANTA ANA RIVER BIKEWAY
PHASE IIB
RUBIDOUX AVE. TO MARTHA McLEAN PARK

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

ACCOUNT No. 30-575-269-03
DRAWING NUMBER
R-3172
SHEET 2 OF 7

INDEXED 7-7-94 LHM



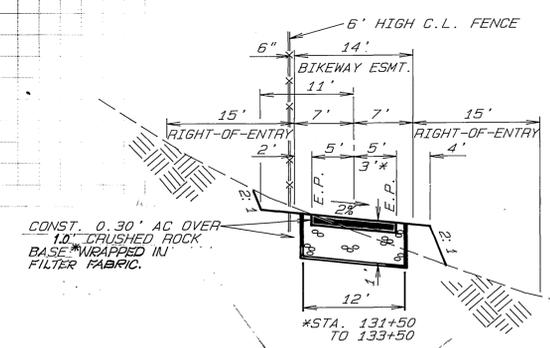
MARTHA

MC LEAN

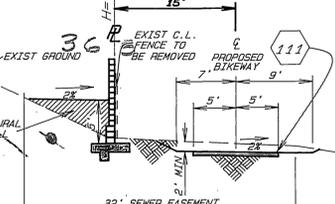
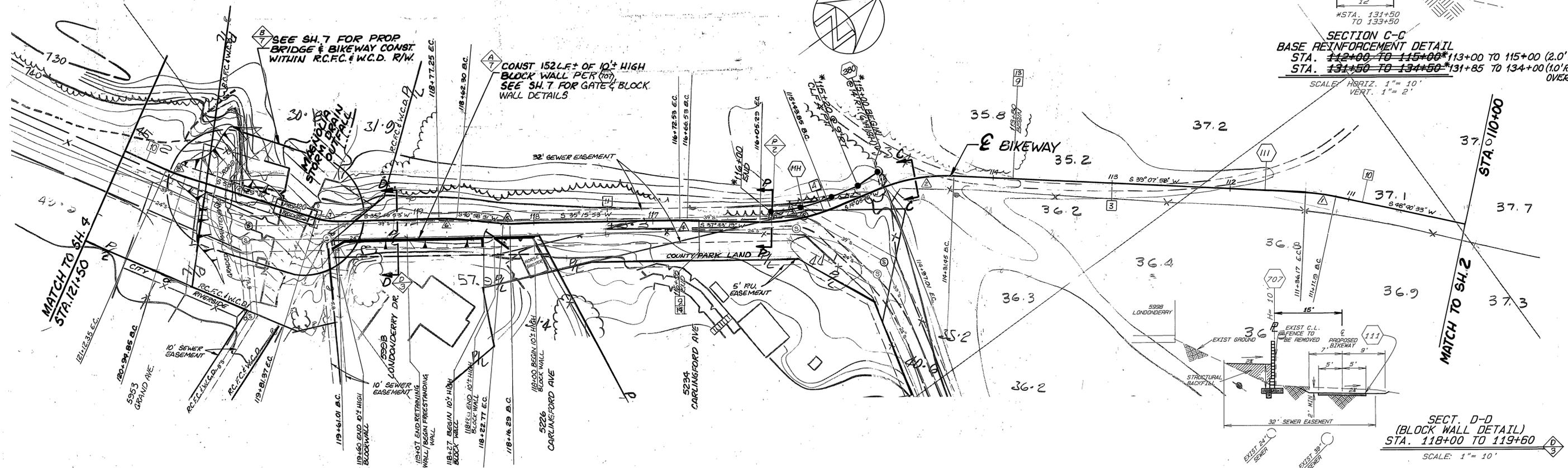
ANZA

NARROWS

PARK



SECTION C-C
BASE REINFORCEMENT DETAIL
STA. 112+00 TO 115+00 *113+00 TO 115+00 (2.0' ROCK)
STA. 131+50 TO 134+50 *131+85 TO 134+00 (1.0' ROCK OVER 1.0' AC)
SCALE: HORIZ. 1" = 10' VERT. 1" = 2'



SECT. D-D
(BLOCK WALL DETAIL)
STA. 118+00 TO 119+50
SCALE: 1" = 10'

CURVE DATA

R	Δ	L	T	R	Δ	L	T
150'	9° 32' 35"	24.58'	12.52'	65'	17° 56' 36"	20.36'	10.26'
150'	25° 02' 48"	65.51'	33.92'	150'	6° 41' 01"	17.50'	8.76'
150'	23° 28' 09"	61.44'	31.16'				
150'	2° 17' 26"	6.00'	3.00'				
65'	5° 42' 38"	6.48'	3.24'				
150'	5° 42' 38"	14.95'	7.48'				

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]
PRINCIPAL ENGINEER
DEPUTY P.W. DIRECTOR
SURVEYOR

APPROVED BY: [Signature]
DIRECTOR OF PUBLIC WORKS

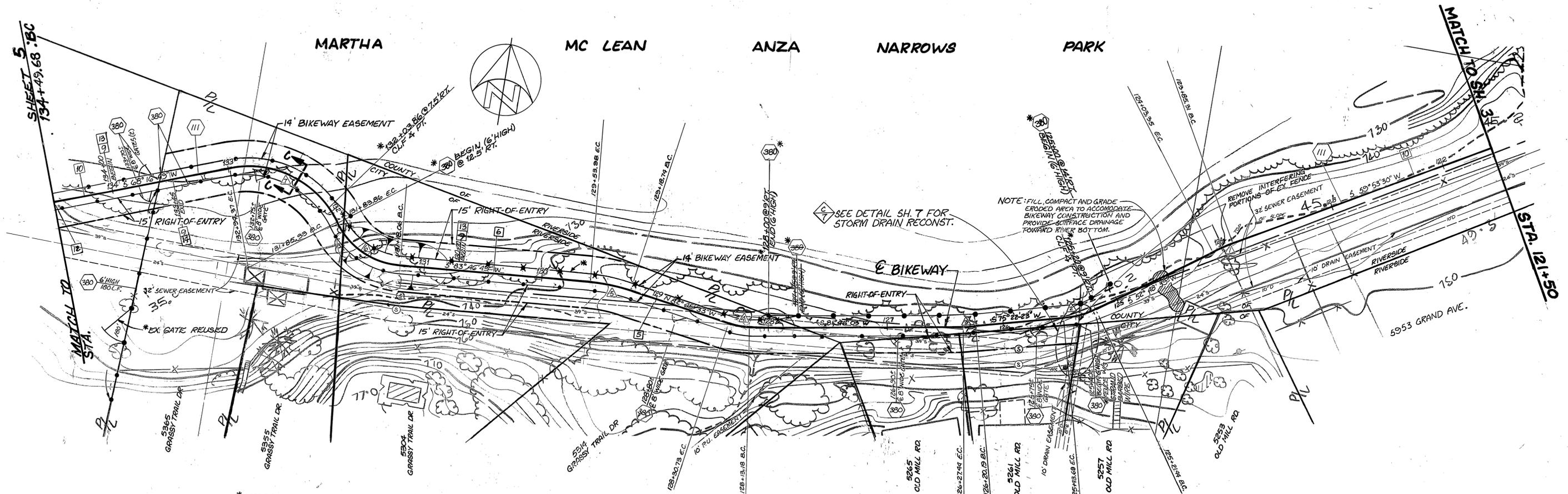
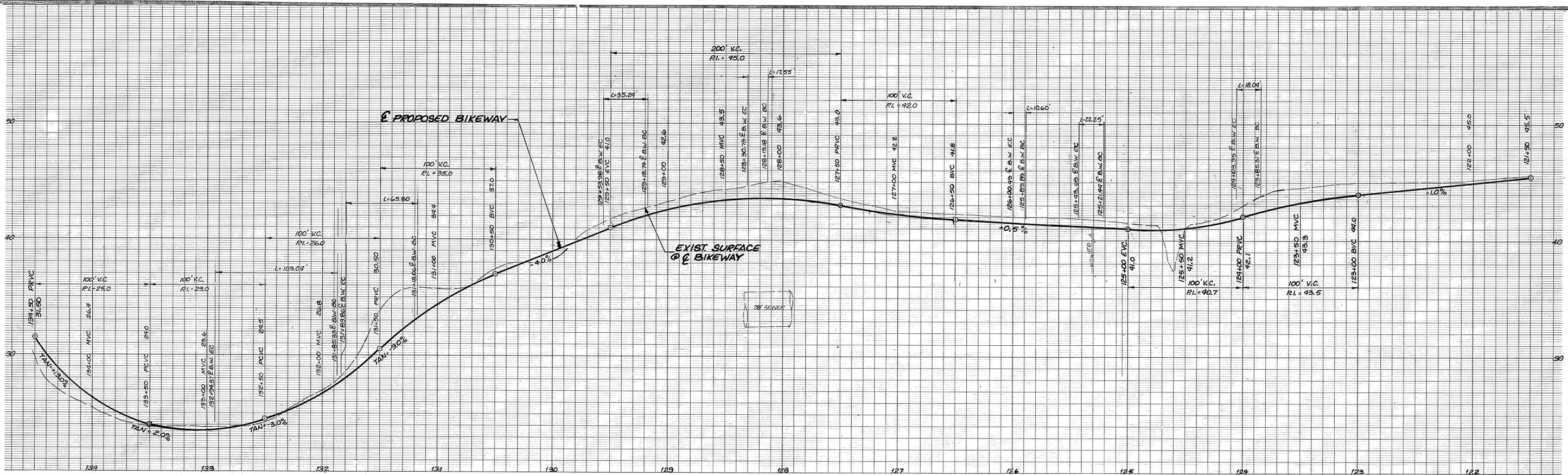
DATE: 10/23/92

SANTA ANA RIVER BIKEWAY
PHASE IIB
RUBIDOUX AVE. TO MARTHA McLEAN PARK

ACCOUNT No. 30-515-269-03
DRAWING NUMBER
R-3172
SHEET 3 OF 7

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



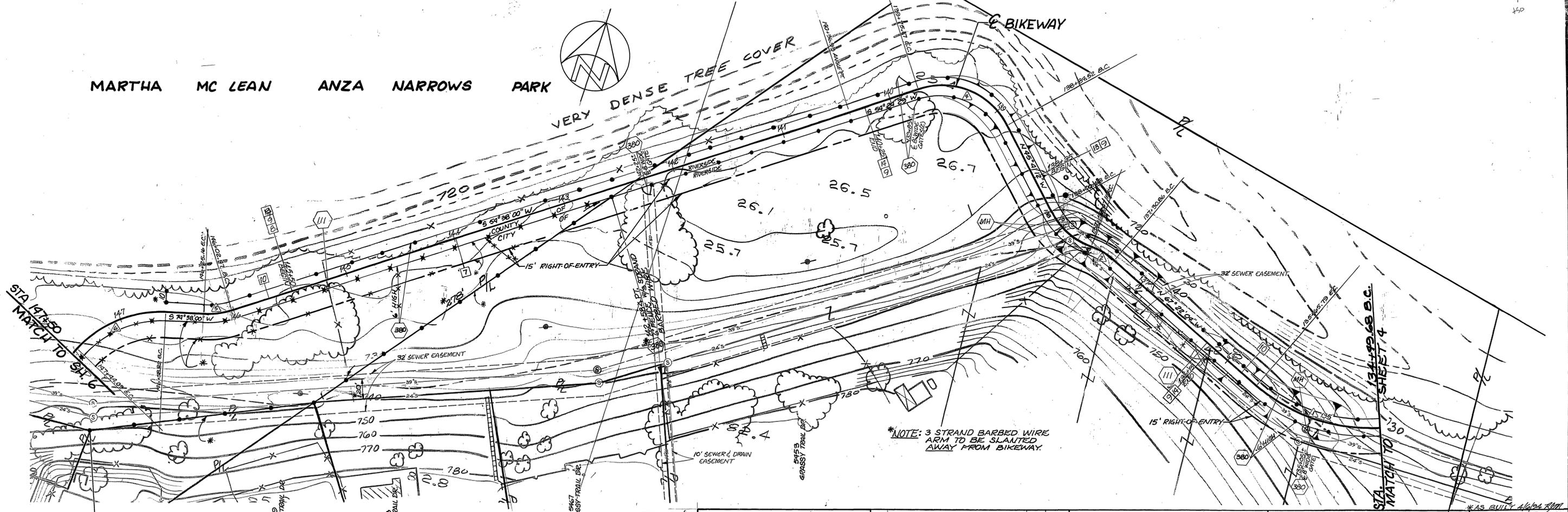
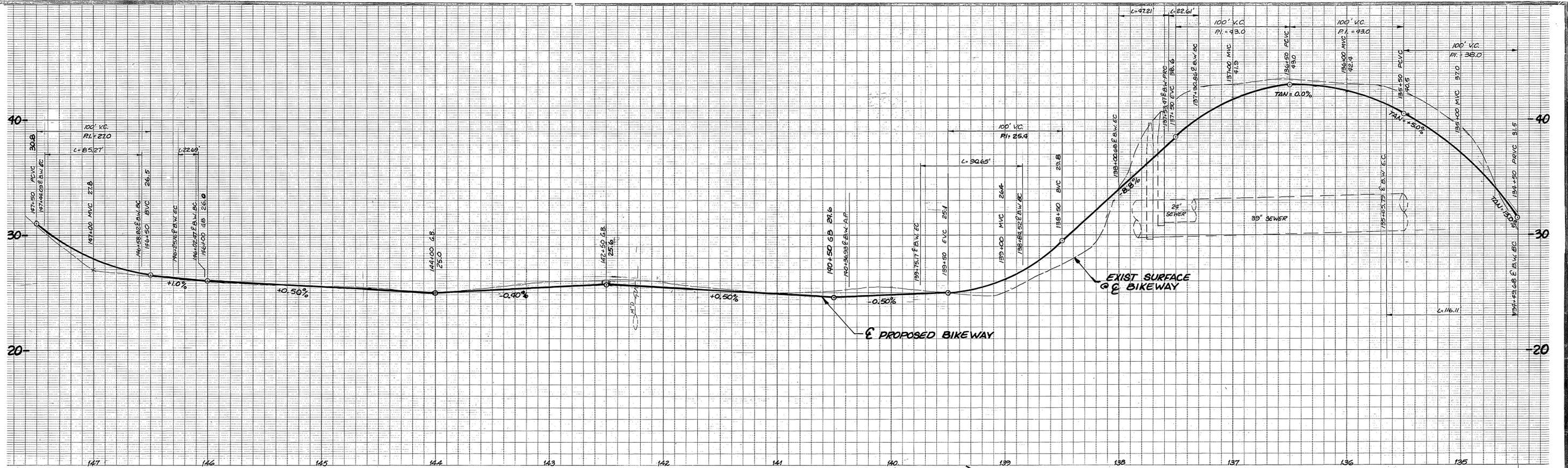


*NOTE: 3 STRAND BARBED WIRE ARM TO BE SLANTED AWAY FROM BIKEWAY

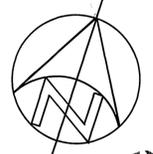


CURVE DATA							
R	Δ	L	T	R	Δ	L	T
150'	7° 04' 51"	18.54'	9.26'	85'	73° 30' 00"	109.04'	69.97'
65'	22° 33' 44"	25.60'	12.96'				
65'	6° 23' 40"	7.25'	3.63'				
65'	15° 28' 24"	17.55'	8.83'				
150'	13° 27' 38"	35.24'	17.70'				
65'	38° 00' 00"	65.80'	36.03'				

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS				SANTA ANA RIVER BIKEWAY PHASE IIB RUBIDOUX AVE. TO MARTHA MCLEAN PARK	
APPROVED BY PRINCIPAL ENGINEER DEPUTY P.W. DIRECTOR SURVEYOR CHIEF P.W. ENGR. CHIEF P.W. INSPECTOR	BY DATE [Signature] 12/1/11 [Signature] 11-11-11 [Signature] 12/1/11	APPROVED BY DIRECTOR OF PUBLIC WORKS DATE 12/23/12	ACCOUNT No. 30-515-229-03 DRAWING NUMBER R-3172 SHEET 4 OF 7	HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4' INDEXED 7-7-94 G/H	



MARTHA MC LEAN ANZA NARROWS PARK



CURVE DATA

R	Δ	L	T
150'	44° 21' 01"	116.11'	64.19'
65'	19° 56' 03"	22.61'	11.42'
65'	41° 36' 55"	47.21'	24.70'
65'	79° 54' 19"	90.65'	54.45'
65'	20° 00' 00"	22.68'	11.46'
100'	48° 51' 35"	85.27'	45.42'

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

**SANTA ANA RIVER BIKEWAY
PHASE IIB**
RUBIDOUX AVE. TO MARTHA McLEAN PARK

APPROVED BY: [Signature] DATE: 11/25/92
PRINCIPAL ENGINEER: [Signature] DATE: 11/25/92
DERIVY P.W. DIRECTOR: [Signature] DATE: 11/25/92
SURVEYOR: [Signature] DATE: 11/25/92

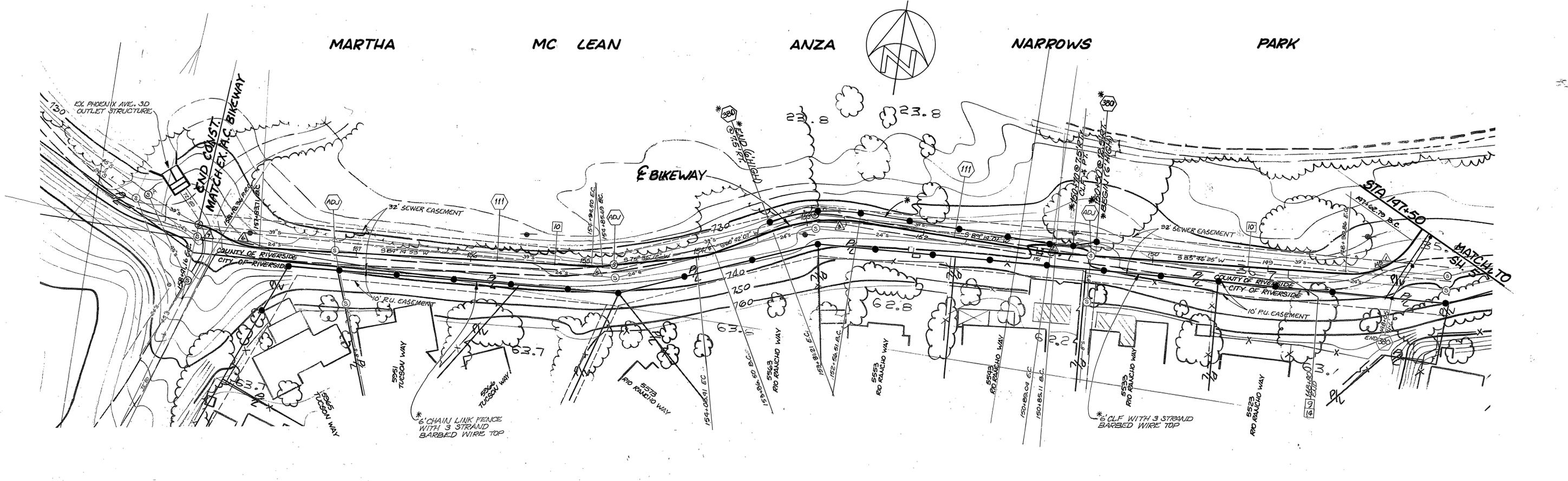
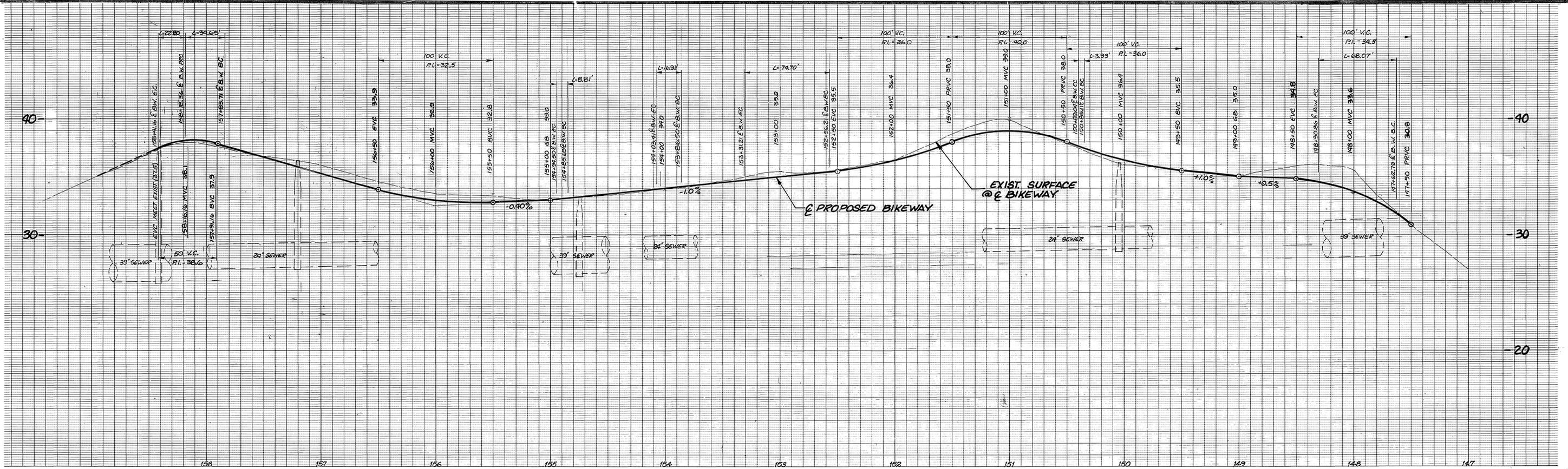
REVISIONS: [Table with columns for MARK, REVISIONS, APPR. DATE]

DESIGNED BY: RVZ DRAWN BY: [Signature] CHECKED BY: [Signature]

ACCOUNT No. 30-575-269-03
DRAWING NUMBER: **R-3172**
SHEET 5 OF 7

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





CURVE DATA				
R	Δ	L	T	
65'	60°00'00"	68.07'	37.53'	
65'	3°27'36"	3.93'	1.96'	
150'	28°31'54"	74.70'	38.14'	
65'	14°54'05"	16.31'	8.50'	
65'	8°38'41"	8.81'	4.31'	
65'	30°32'39"	34.65'	17.75'	
65'	20°05'54"	22.80'	11.52'	

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	[Signature]	12/24/97	[Signature]
DEPUTY P.W. DIRECTOR	[Signature]	12-24-97	DIRECTOR OF PUBLIC WORKS
SURVEYOR	[Signature]	11-18-97	
CHIEF P.W. ENGINEER	[Signature]		
CHIEF P.W. INSPECTOR	[Signature]		
DESIGNED BY	DRAWN BY	CHECKED BY	DATE
R.V.Z.	[Signature]	[Signature]	12/23/97

**SANTA ANA RIVER BIKEWAY
PHASE IIB**

RUBIDOUX AVE. TO MARTHA McLEAN PARK

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

ACCOUNT No. 30-575-269-03
DRAWING NUMBER
R-3172
SHEET 6 OF 7

INDEXED 7-7-97 4H