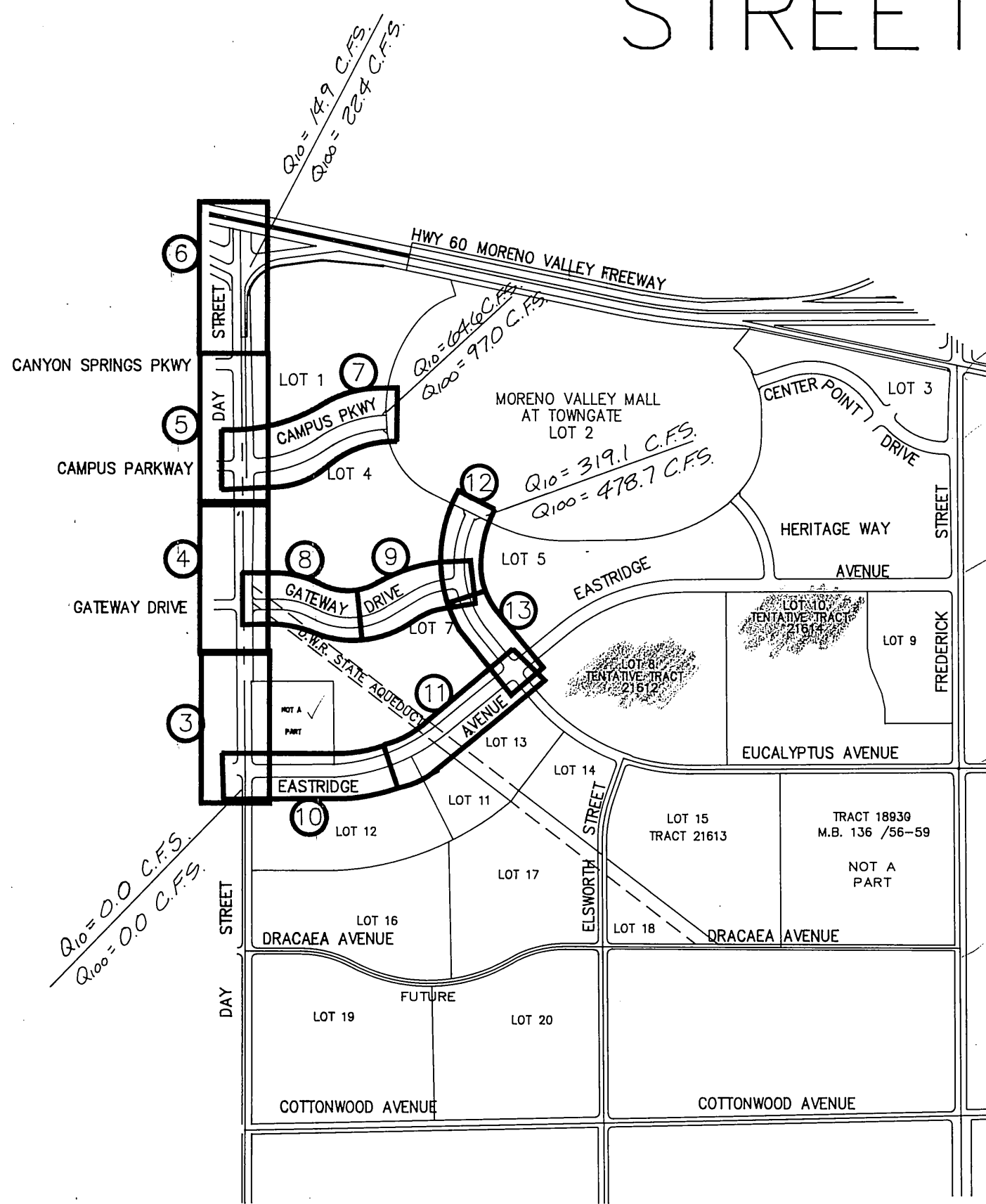


# STREET IMPROVEMENT PLANS FOR TRACT 22049 PHASE II COMMUNITY FACILITIES DISTRICT NO. 87-1



**INDEX MAP**  
NOT TO SCALE

\* NO MATERIAL IS TO BE EXPORTED OFF THE PROJECT  
 \* TOTAL CUT 81,283 CY. FILL 33,433 CY. EXCESS 47,850 CY.  
 NOTE TO CONTRACTOR. EXCESS MATERIAL 47,850 CY. TO BE  
 EVENLY SPREAD ON-SITE ADJACENT TO THE ROADWAY. CONTRACTOR TO  
 SPREAD THE EXCESS AS DIRECTED BY THE OWNER OR HIS  
 REPRESENTATIVE.

LEGEND			
T.P.	TOP OF PAVEMENT	P.R.C.	POINT OF REVERSE CURVATURE
T.C.	TOP OF CURB	G.B.	GRADE BREAK
F.L.	FLOW LINE	M.O.V.C.	MIDDLE OF VERTICAL CURVE
P.C.R.	POINT OF CURB RETURN	( )	EXISTING ELEVATION
B.V.C.	BEGIN VERTICAL CURVE		STREET TREES
E.V.C.	END VERTICAL CURVE	T.F.	TOP OF FOOTING
B.C.	BEGIN CURVE	T.W.	TOP OF WALL
E.C.	END CURVE	F.G.	FINISH GRADE
P.O.T.	POINT ON TANGENT	B.C.R.	BEGIN CURB RETURN
P.O.C.	POINT ON CURVE	E.C.R.	END CURB RETURN
P.V.I.	POINT OF VERTICAL INTERSECTION	(N 0°59'59"E)	RECORD DATA PER TRACT NO. 22409 M.B. 177 PAGES 1-8

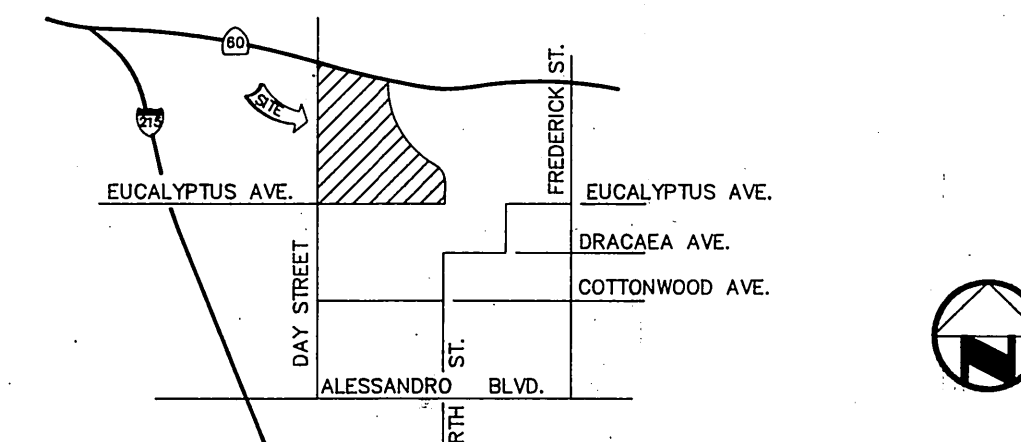
(18.08.97) RECORD DATA PER P.M.B. 128/91-103

## CONSTRUCTION NOTES AND QUANTITY ESTIMATES

NO.	DESCRIPTION	QUANTITY	
		TOTAL	UNIT
1	CONST. .38' AC OVER .80' AB CLASS II (DAY ST./CAMPUS PARKWAY)	50,785	SF
2	CONST. .33' AC OVER .50' AB CLASS II (EASTRIDGE/EUCALYPTUS)	336,420	SF
3	CONST. .33' AC OVER .42' AB CLASS II (GATEWAY)	116,725	SF
4	SLURRY SEAL	512,803	SF
5	CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201	14,477	LF
6	CONST. ACCESS RAMP PER CITY OF MORENO VALLEY STD. 816	36	EA
7	CONSTRUCT CROSS GUTTER PER RIVERSIDE COUNTY STD. 200 & 209A.	1,256	SF
8	CONST. ST. LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)	62	EA
9	CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401	79,605	SF
10	CONST. TYPE "A" CURB (NO GUTTER) MEDIAN ISLAND NO. 204	8,866	LF
11	INSTALL STREET NAME SIGNS PER CITY STD. NO. 55	8	EA
12	CONST. TEMPORARY AC DIKE PER RIVERSIDE CO. STD. 212 (8" FACE)	156	LF
13	REMOVE EXISTING PAVEMENT	63,735	SF
14	REMOVE EXISTING BARRICADE	2	EA
15	CONST. AC PAVEMENT OVERLAY VAR THICKNESS (1" MIN)	2,500	SF
16	REMOVE EXISTING BARBED WIRE	3,020	LF
17	RELOCATE EXISTING ST. LT STANDARDS	4	EA
18	RELOCATE EXISTING SIGNAL WIRE PULL BOXES	3	EA
19	RELOCATE AIR VALVE BEHIND SIDEWALK	4	EA
20	RELOCATE BLOW-OFF BEHIND SIDEWALK	4	EA
21	REMOVE AND RELAY 15 LF ~ RCP	4	EA
22	REMOVE EXISTING CATCH BASIN	4	EA
23	INSTALL 15 LF ~ 33" RCP & 14" CATCH BASIN WITH STD. LOCAL DEPRESSION	2	EA
24	INSTALL 15 LF ~ 42" RCP & 14" CATCH BASIN WITH STD. LOCAL DEPRESSION	2	EA
25	SCE VAULT ADJUST COVER TO GRADE	1	EA
26	FIRE HYDRANT RELOCATE	1	EA
27	WATER GATE VALVE ADJUST TO GRADE	1	EA
28	REMOVE EXISTING ISLAND AND CURB	109	LF
29	POWER POLE RELOCATE	1	EA
30	BLOW-OFF ADJUST COVER TO GRADE	1	EA
31	GUARD POSTS REMOVE	4	EA
32	ADJUST WATER METER TO GRADE	1	EA
33	SAW-CUT EXISTING AC PAVEMENT	6,180	LF
34	RELOCATE EXISTING SIGN	1	EA
35	ROADWAY EXCAVATION	81,283	CY
36	CONST. ENHANCED PAVED AREA PER DETAIL ON SHT. 2.	8,865	SF
37	INSTALL CLASS I DELINEATOR PER CALTRANS STD DWG. A74-A	5	EA
38	INSTALL BARRICADE PER RIV. CO. STD. DWG. B10	2	EA

### GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA, AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM CITY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. INSPECTION TELEPHONE - 243-3120.
- THE DEVELOPER SHALL INSTALL STREET NAME SIGNS CONFORMING TO CITY ORDINANCE NO. 55.
- ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985 EDITION, INCLUDING SUPPLEMENTS, EXCEPT AS OTHERWISE NOTED ON THE PROJECT PLANS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER TO INSTALL STREET CENTERLINE MONUMENTS AS REQUIRED BY THE CITY ORDINANCE FOR NEW DEVELOPMENT AND REPLACEMENT OF DISTURBED OR COVERED EXISTING MONUMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY TO THE CITY ENGINEER'S OFFICE, PERMIT SECTION, PRIOR TO CONSTRUCTION FOR AN ENCROACHMENT PERMIT FOR ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- AC PAVING OF CITY STREETS SHALL BE A MINIMUM .25-FOOT THICK AND SHALL BE LAID IN TWO (2) SEPARATE LIFTS. THE FINAL LIFT SHALL BE .10-FOOT MINIMUM. ALL UNDERGROUND WORK, GRADING AND ANY NECESSARY CONCRETE REMOVALS SHALL BE COMPLETED PRIOR TO FINAL PAVING UNLESS APPROVED BY THE CITY ENGINEER.
- CURB DEPRESSIONS AND DRIVEWAY APPROACHES SHALL BE CONSTRUCTED ACCORDING TO STANDARD NO. 207 AND/OR NO. 208, AS DIRECTED IN THE FIELD.
- ALL UNDERGROUND FACILITIES, WITH LATERALS SHALL BE IN PLACE PRIOR TO PAVING THE STREET SECTION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS AND DRAINAGE.
- ALL STREET SECTIONS ARE TENTATIVE. ADDITIONAL SOIL TESTS SHALL BE TAKEN AFTER ROUGH GRADING TO DETERMINE THE EXACT STREET SECTION REQUIREMENTS. USE STANDARD NO. 401 IF EXPANSIVE SOILS ARE ENCOUNTERED.
- EMULSION-AGGREGATE SLURRY, TYPE I AS DEFINED IN SECTION 203-5 OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SHALL BE APPLIED TO ALL A.C. SURFACES ONE YEAR AFTER ACCEPTANCE OF BOND RELEASE. ALL STRIPING SHALL BE REPLACED AS PER APPROVED SIGNING/STRIPING PLAN.
- INSTALL STREET TREES IN ACCORDANCE WITH RIVERSIDE COUNTY ORDINANCE NO. 460.53.
- BLUE DOTS SHALL BE INSTALLED ADJACENT TO ANY REQUIRED FIRE HYDRANT, AND APPROVED BY COUNTY FIRE DEPARTMENT.
- PRIME COAT REQUIRED PRIOR TO PAVING ALL GRADE IN EXCESS OF 10%.
- NO PUBLIC STREET SHALL BE CLOSED TO TRAFFIC WITHOUT PRIOR CITY COUNCIL APPROVAL.
- CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER FROM RESPONSIBILITY FOR THE CORRECTION OF ERROR AND OMISSION DISCOVERED DURING CONSTRUCTION. UPON REQUEST THE PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.
- THE QUANTITY, THICKNESS AND LIMITS OF AREAS NOTED FOR ASPHALT OVERLAY ARE FOR ESTIMATION PURPOSES ONLY. THE EXACT THICKNESS OF ANY ASPHALT OVERLAY SHALL BE DETERMINED BY A COMBINATION OF SOILS TESTING FOR STRUCTURAL SOUNDNESS OF THE EXISTING ROADWAY SECTION, CONFORMANCE WITH SECTION 8 (EARTHWORK) OF THE RIVERSIDE COUNTY ROAD IMPROVEMENT STANDARDS AND SPECIFICATIONS, CONFORMANCE TO THE LATEST TRAFFIC INDEX RATING AND TO THE DIRECTION OF THE CITY ENGINEER FOR REMOVAL OR REPAIR OF UNSUITABLE PAVED SECTIONS. PAVEMENT AREAS WHICH HAVE BEEN DETERMINED TO BE UNSUITABLE FOR OVERLAY DUE TO CRACKING, SUBSIDIANCE IRREGULAR SURFACE, AGE, MATERIAL COMPOSITION, OR WATER DAMAGE, SHALL BE REMOVED OR REPAIRED AT THE DIRECTION OF THE CITY ENGINEER. THE CIVIL ENGINEER SHALL REVISE THE STREET IMPROVEMENT PLANS IN THE AFFECTED AREA UPON NOTIFICATION BY THE CONTRACTOR OR THE CITY ENGINEER.
- ALL BACKFILL TO BE 90% RELATIVE COMPACTION UNLESS OTHERWISE SPECIFIED, AND SHALL BE CERTIFIED BY THE CITY'S SOILS ENGINEER PRIOR TO PAVING. RESTESTING SHALL BE AT THE DEVELOPER'S EXPENSE.
- SEWER AND WATER LATERALS SHALL BE MARKED ON THE CURB ACCORDING TO EASTERN MUNICIPAL WATER DISTRICT STANDARDS.
- ALL WATER VALVES OR SEWER MANHOLES SHALL BE RAISED TO GRADE IN ACCORDANCE WITH EASTERN MUNICIPAL WATER DISTRICT STANDARDS.
- NO TRENCHES MAY BE LEFT OPEN OVERNIGHT UNLESS APPROVED BY THE CITY ENGINEER.
- IF ANY UTILITIES OR FACILITIES CONFLICT WITH PROPOSED IMPROVEMENTS, WORK SHALL STOP AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- ALL UTILITIES SHALL BE INSTALLED, TESTED AND APPROVED BY THE APPROPRIATE UTILITY COMPANY PRIOR TO PAVING.
- ALL TRAFFIC CONTROL DEVICES, SIGNS, MARKINGS OR STRIPING SHALL BE IN PLACE PRIOR TO PAVING. STREET STRIPING SHALL BE COMPLETED PRIOR TO STREET OPENING.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE 1985 EDITION OF "WORK AREA TRAFFIC CONTROL HANDBOOK".



**VICINITY MAP**  
NO SCALE

### NOTIFICATIONS

- CONTRACTOR SHALL NOTIFY CITY OF MORENO VALLEY ENGINEERING DEPARTMENT AT 243-3120 AT LEAST 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY RIVERSIDE COUNTY FLOOD CONTROL DISTRICT AT RIVERSIDE 275-1200 AT LEAST 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATION:
  - A. SO. CALIF. GAS CO.
  - B. SO. CALIF. EDISON CO.
  - C. GENERAL TELEPHONE CO.
  - D. UNDERGROUND SERVICE ALERT (USA) 1-800-422-4133
 } (VIA USA)
- SEVEN DAYS PRIOR TO THE START OF CONSTRUCTION, NOTICE SHALL BE GIVEN TO:
  - ENCROACHMENT PERMIT SECTION (PERMIT NO. 654)
  - DIVISION OF LAND AND RIGHT OF WAY
  - DEPARTMENT OF WATER RESOURCES
  - 1416 NINTH STREET
  - SACRAMENTO, CA 94236-0001
  - (916) 445-1447.

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CM Engineering Assoc.

Construction contractor agrees that in accordance with the generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting from sole negligence of design professional.

UNAUTHORIZED CHANGES & USES

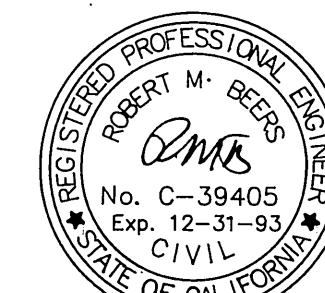
CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

California Council of Civil Engineers & Land Surveyors

California Council of Civil Engineers & Land Surveyors

### Underground Service Alert

Call: TOLL FREE  
**1-800-422-4133**  
 TWO WORKING DAYS BEFORE YOU DIG



**BENCH MARK**  
 LOCATION: MONUMENT M-60-6A PD  
 BRASS DISK STAMPED M-60-6A AT  
 NW CORNER OF FREDERICK ST AND  
 EUCALYPTUS AVE.  
 ELEVATION: 1605.634

REVIEW BY CITY STAFF		
OFFICE	INITIAL	DATE
COMMUNITY SERVICES DISTRICT		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

REVISIONS						
MARK	DATE	INITIAL	DESCRIPTION	DATE	APPRVD	

SUBMITTED BY: *Robert M. Beers*  
 DATE: 8/27/90  
 REGISTERED CIVIL ENGINEER NO. 39405  
 (EXP. 12-31-93)

APPROVED BY: \_\_\_\_\_  
 DEPUTY CITY ENGINEER - CITY OF MORENO VALLEY  
 REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_  
 (EXP. \_\_\_\_\_)

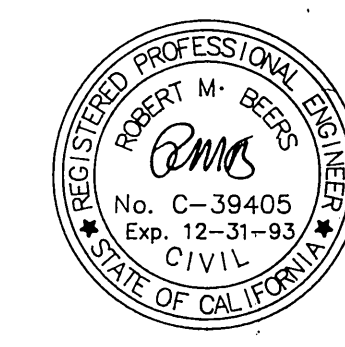
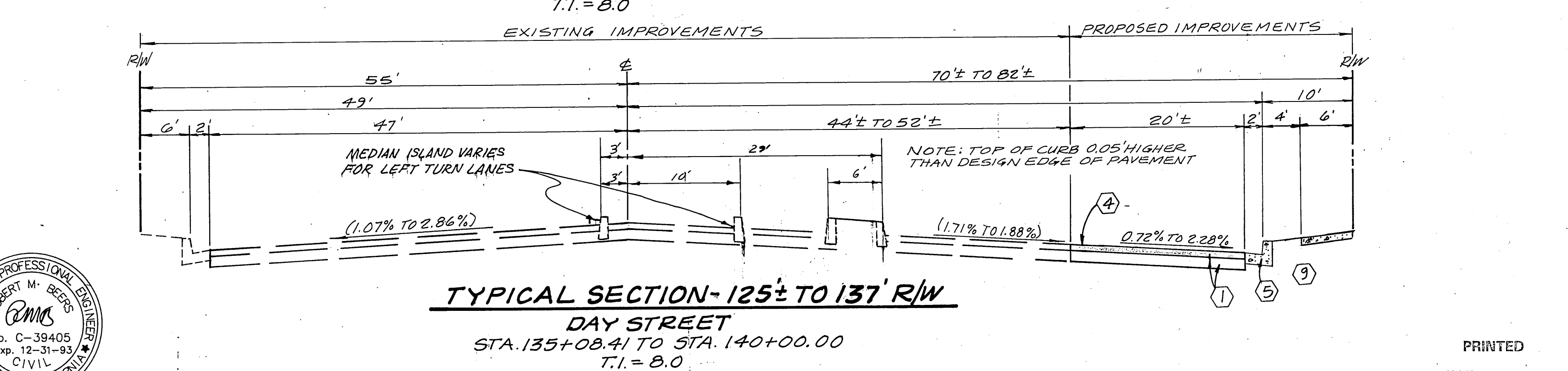
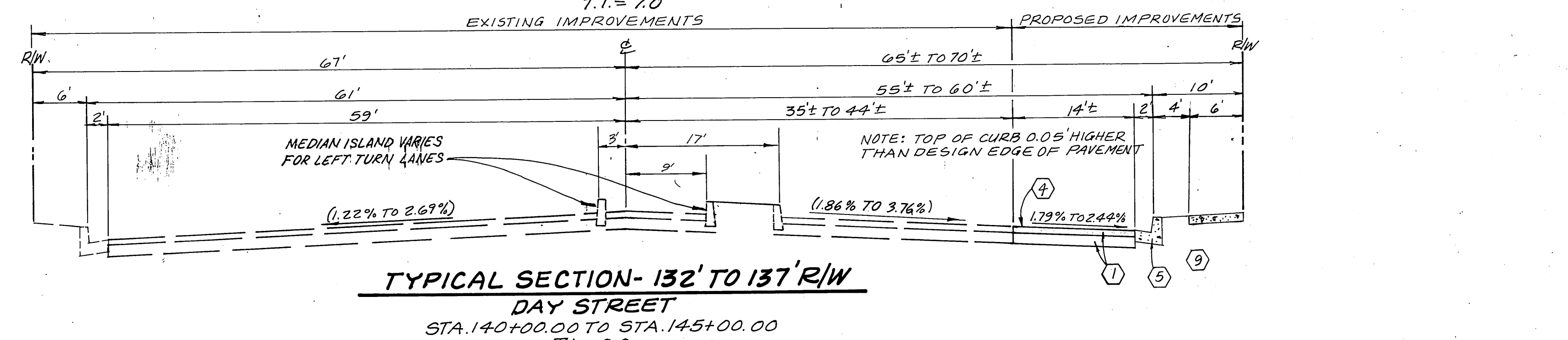
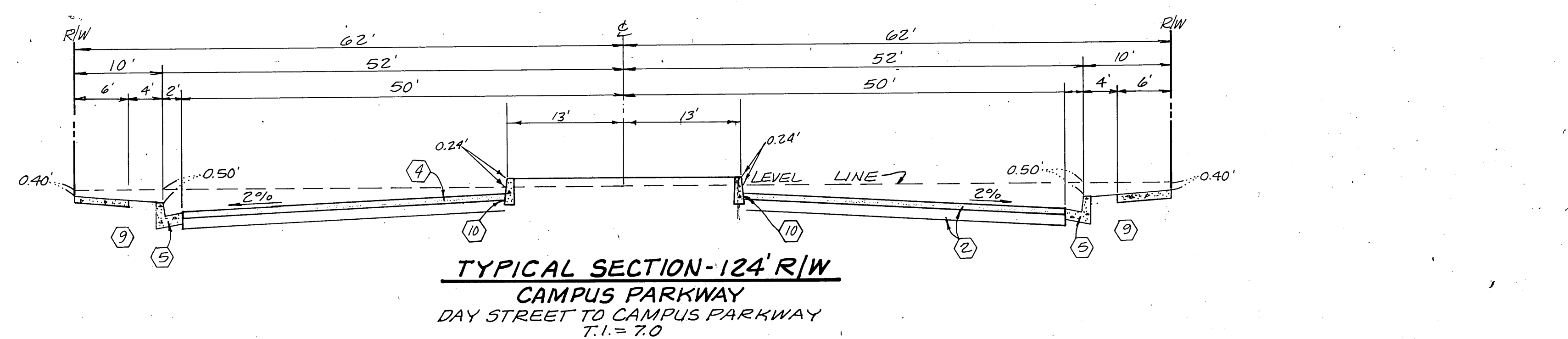
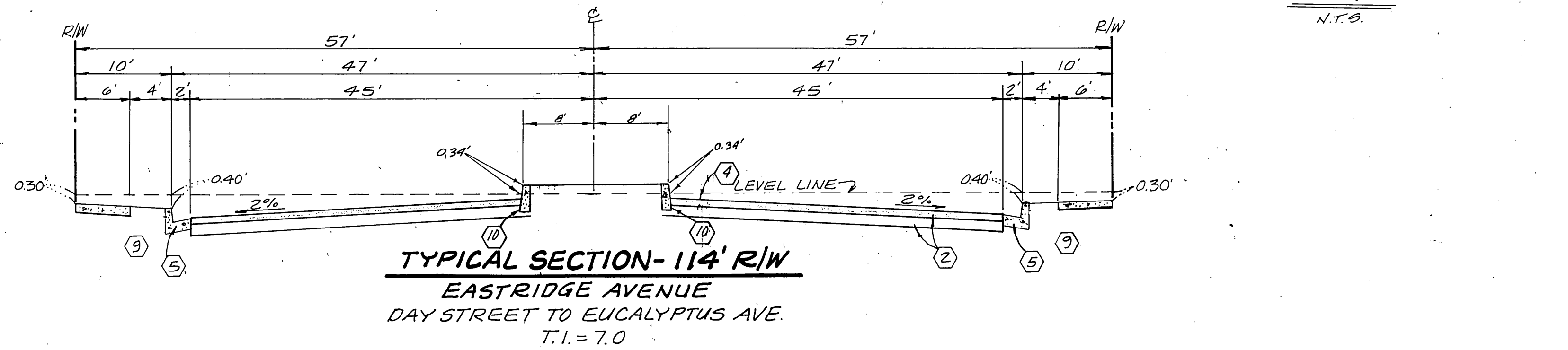
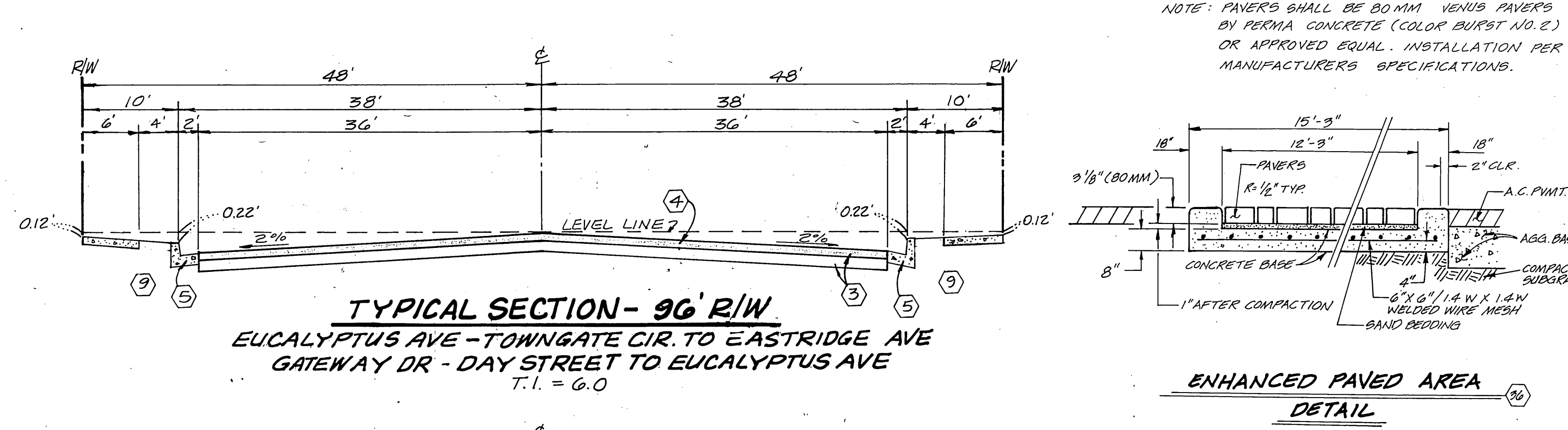
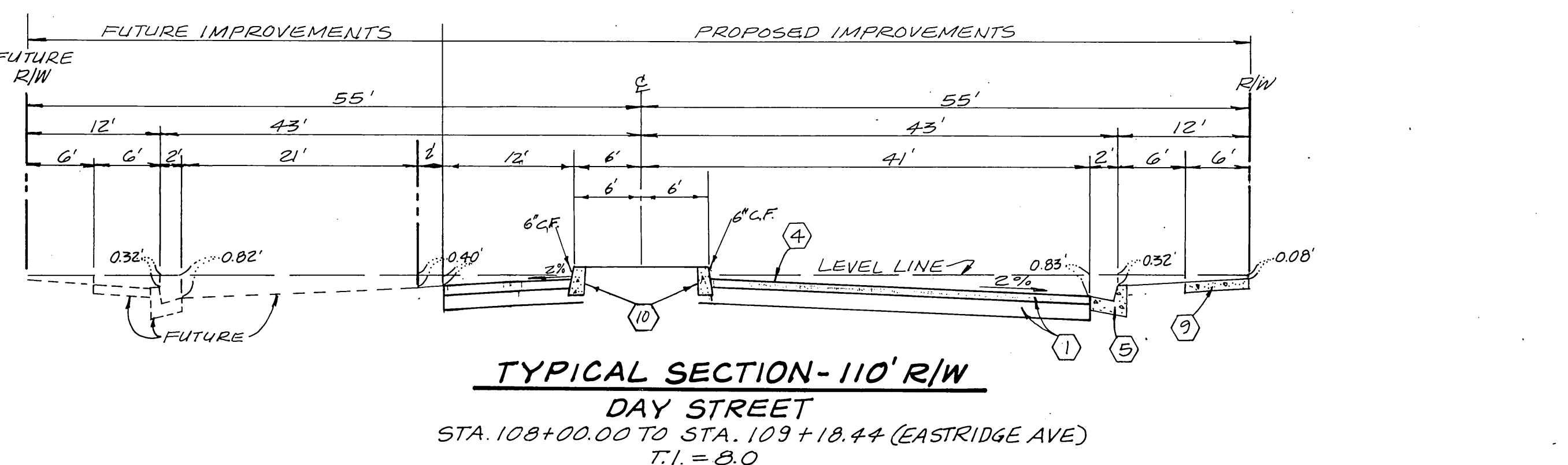
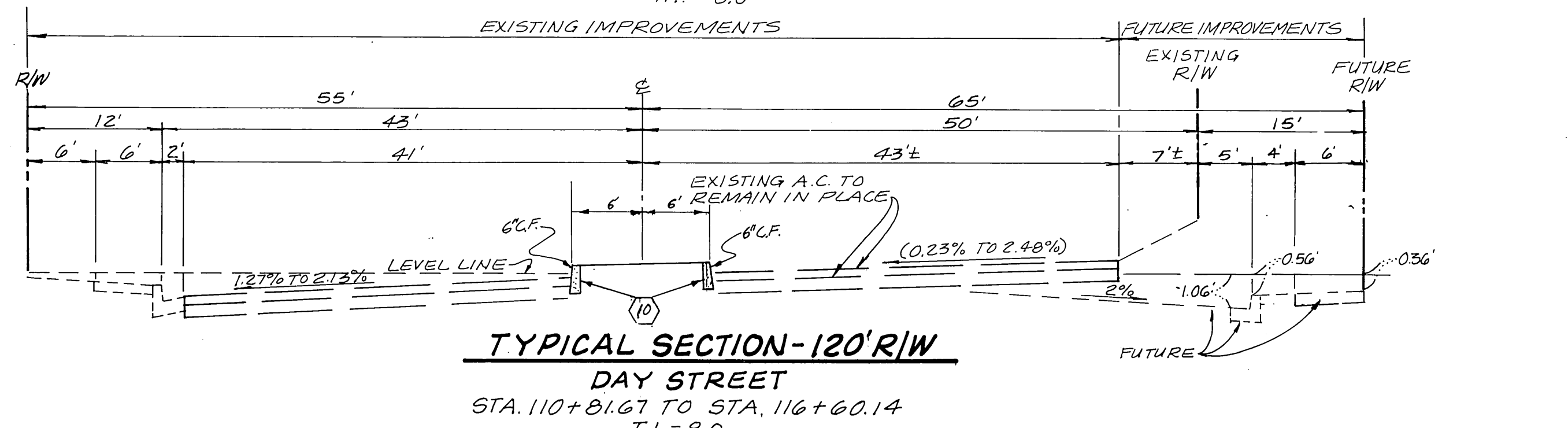
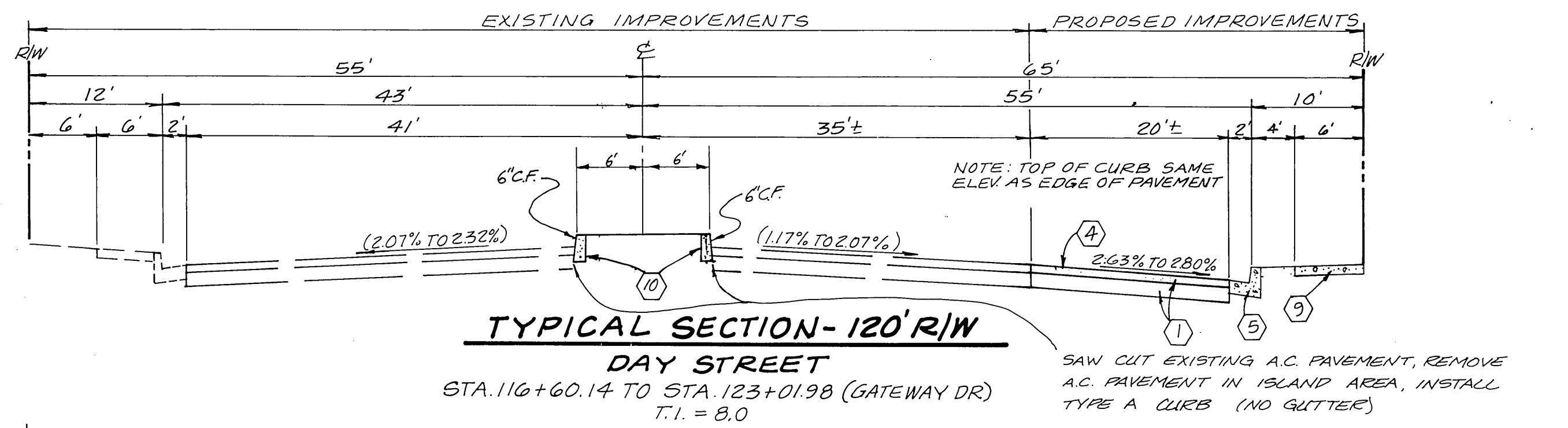
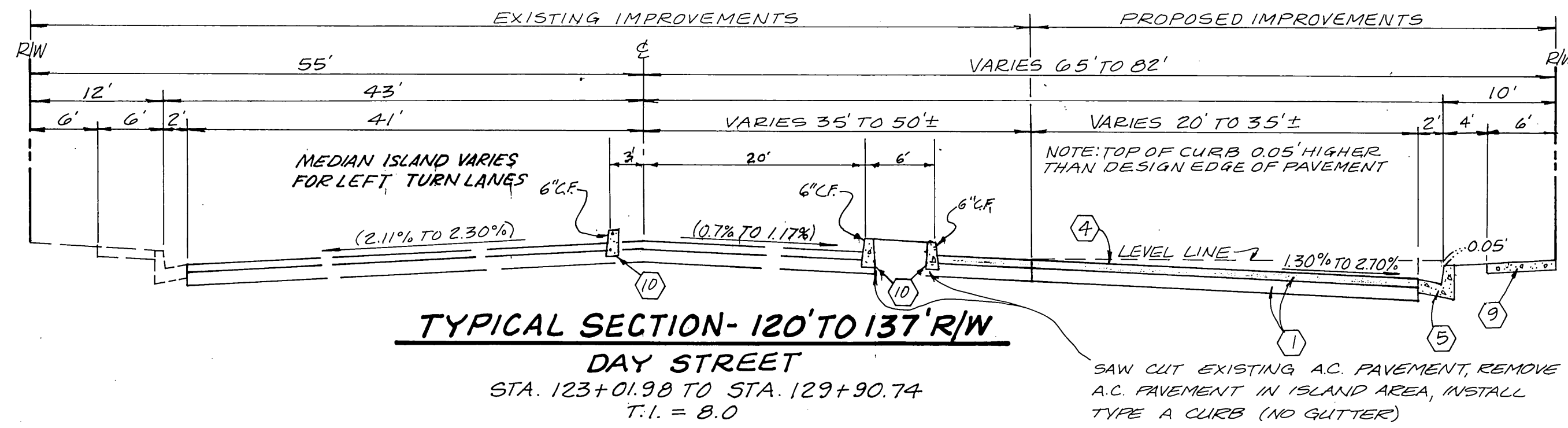
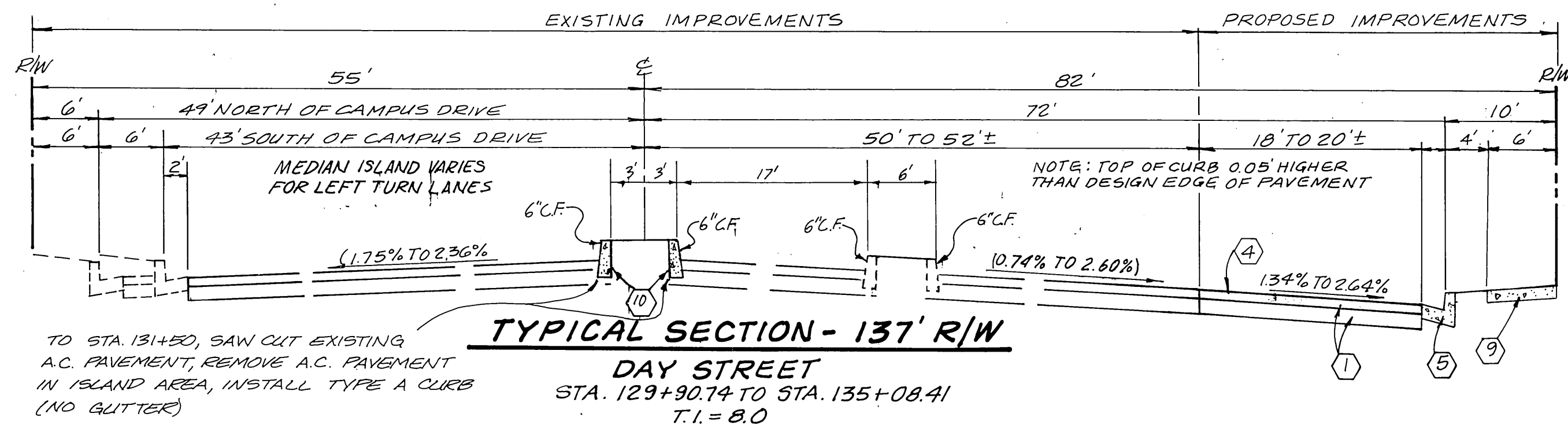
PLANS PREPARED BY  
  
**CM ENGINEERING ASSOCIATES**  
 288 East Airport Drive, San Bernardino, California  
 Phone (714) 854-8804 or (714) 825-9252  
 Fax (916) 445-1447

**CITY OF MORENO VALLEY**

(PHASE II)  
 TRACT NO. 22049  
**STREET IMPROVEMENT PLANS**  
**TITLE SHEET**

SHEET:  
 1 OF  
 73 SHTS  
 FILE NO.  
**R-3948**





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 CM Engineering Assoc.

BENCH MARK LOCATION:  
 SEE SHEET NO. 1  
 ELEVATION:

REVIEW BY CITY STAFF		
OFFICE	INITIAL	DATE
COMMUNITY SERVICES DISTRICT		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

REVISIONS					
MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD.

SUBMITTED BY: Robert M. Deen  
 REGISTERED CIVIL ENGINEER NO. 39405  
 (EXP. 12-31-93)  
 DATE: 8/21/90  
 APPROVED BY: DEPUTY CITY ENGINEER - CITY OF MORENO VALLEY  
 REGISTERED CIVIL ENGINEER NO. [ ]  
 DATE: [ ]

PLANS PREPARED BY:  
**CM ENGINEERING ASSOCIATES**  
 Mail P.O. Box 8087 - 92412  
 Phone (714) 854-8804 or (714) 825-9552  
 226 East Airport Drive, San Bernardino, California  
 W.D. 30117 FOR RIR ASSOCIATES

**CITY OF MORENO VALLEY**  
 TRACT NO. 22049  
 STREET IMPROVEMENT PLANS  
 TYPICAL STREET SECTIONS  
 (PHASE II)

SHEET:  
 2 OF 13 SHTS.  
 FILE NO. R-3948



1555 LT.

1555 E

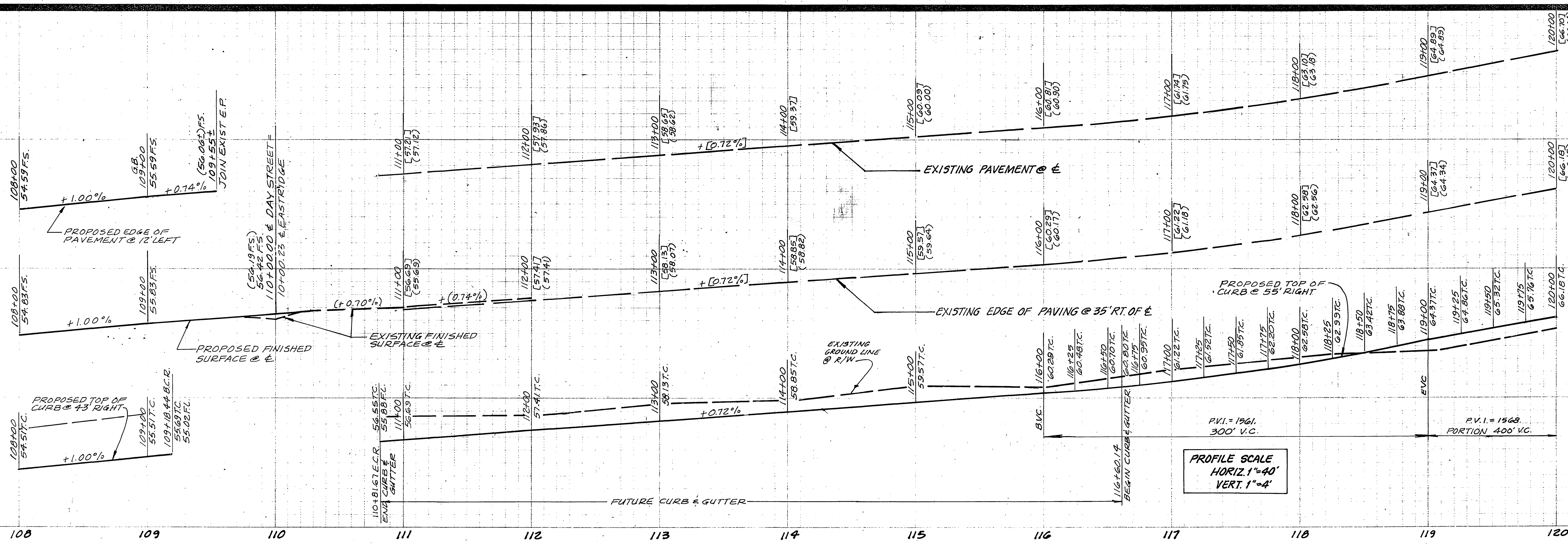
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1565 LF.

1565 E

1565 RT.

SEE SHEET NO. 4

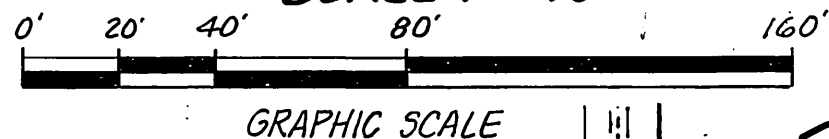


EUCALYPTUS STREET

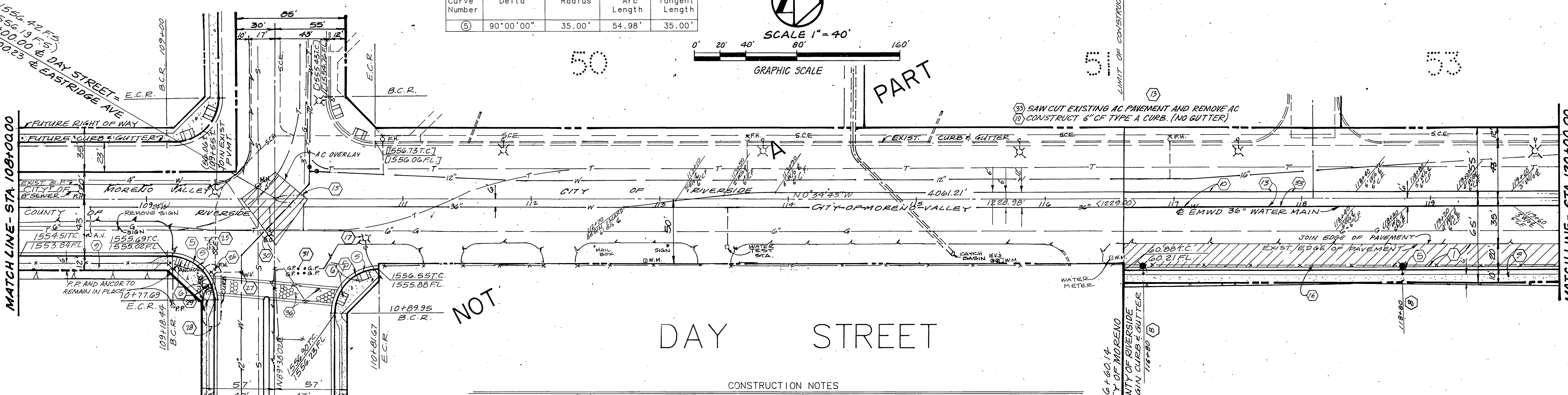
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SCALE 1"=40'

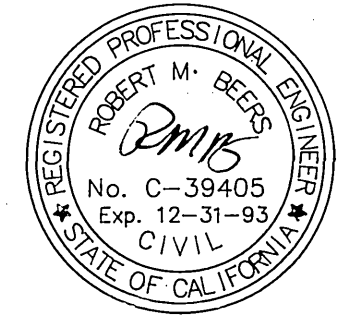


PART



CONSTRUCTION NOTES

- 1 - CONST. .38' AC OVER .80' AB CLASS II (DAY ST)
- 4 - BLURRY SEAL
- 5 - CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
- 6 - CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
- 9 - CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
- 13 - REMOVE EXISTING PAVEMENT
- 15 - CONST. AC PAVEMENT OVERLAY VAR. THICKNESS (1" MIN)
- 16 - REMOVE EXISTING BARBED WIRE
- 17 - RELOCATE EXISTING ST. LIGHT STANDARDS
- 18 - CONSTRUCT 6" C.F. TYPE A CURB (NO GUTTER)
- 25 - ADJUST SCE VAULT COVER TO GRADE.
- 26 - RELOCATE FIRE HYDRANT.
- 27 - ADJUST WATER GATE VALVE TO GRADE.
- 28 - REMOVE EXISTING ISLAND & CURB
- 29 - POWER POLE RELOCATION (BY OTHERS)
- 30 - BLOW - OFF ADJUST COVER TO GRADE.
- 31 - REMOVE GUARD POSTS.
- 32 - ADJUST WATER METER TO GRADE.
- 33 - SAW - CUT EXISTING A.C. PAVEMENT.
- 34 - RELOCATE SIGN.
- 36 - CONSTRUCT ENHANCED PAVED AREA



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BENCH MARK LOCATION: SEE SHEET NO. 1

ELEVATION:

REVIEW BY CITY STAFF		
OFFICE	INITIAL	DATE
COMMUNITY SERVICES DISTRICT		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

REVISIONS				
MARK	DATE	INITIAL	DESCRIPTION	APP'VD.

SUBMITTED BY: Robert M. Berio  
 DATE: 8/27/90  
 REGISTERED CIVIL ENGINEER NO. 39405 (EXP. 12-31-93)

APPROVED BY: DEPUTY CITY ENGINEER - CITY OF MORENO VALLEY  
 DATE: \_\_\_\_\_  
 REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_ (EXP. \_\_\_\_\_)

PLANS PREPARED BY: CM ENGINEERING ASSOCIATES  
 228 East Airport Drive, Redlands, California  
 W.G. 30117 FOR RIR ASSOCIATES

CITY OF MORENO VALLEY  
 TRACT NO. 22049  
 STREET IMPROVEMENT PLANS  
 DAY STREET  
 STA. 108+00.00 TO STA. 120+00.00 (PHASE II)

SHEET: 3 OF 13 SHTS.  
 FILE NO. R-3948



1570 LT.

1570 E.P.

1570 RT.

1570 LT.

1570 E.P.

1570 RT.

SEE SHEET NO. 3

SEE SHEET NO. 5

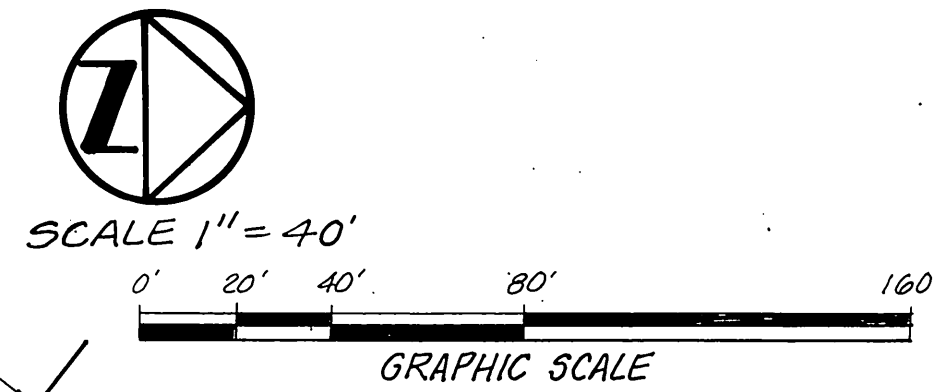
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GATEWAY DRIVE

DAY STREET

SEE SHEET NO. 3

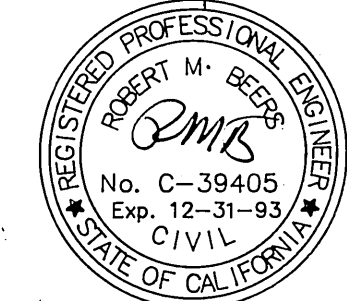
SEE SHEET NO. 5



CONSTRUCTION NOTES

- 1 - CONST. 38' AC OVER .80' AB CLASS II (DAY ST)
- 4 - SLURRY SEAL
- 5 - CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
- 8 - CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
- 9 - CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
- 13 - REMOVE EXISTING PAVEMENT
- 16 - REMOVE EXISTING BARBED WIRE.
- 17 - RELOCATE EXISTING ST LIGHT STANDARDS.
- 18 - RELOCATE EXISTING SIGNAL WIRE PULL BOX.
- 19 - RELOCATE AIR VALVE BEHIND SIDEWALK.
- 20 - RELOCATE BLOWOFF BEHIND SIDEWALK.
- 21 - REMOVE & RELAY 15 L.F. R.C.P.
- 22 - REMOVE EXISTING CATCH BASIN.
- 23 - INSTALL 15 L.F. OF 32" R.C.P. & 14' C.B. WITH LOCAL DEPRESSION.
- 24 - INSTALL 15 L.F. OF 42" R.C.P. & 14' C.B. WITH LOCAL DEPRESSION.
- 33 - SAW CUT EXIST. PAVEMENT.
- 10 - CONSTRUCT 6"CF TYPE "A" CURB (NO GUTTER)
- 7 - CONST. CROSS GUTTER PER RIVERSIDE CO. 200 & 200A.

NOTE: SEE SHEET 2 FOR TYPICAL SECTION A.C. PAVEMENT WIDTH VARIES.



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BENCH MARK LOCATION: SEE SHEET NO. 1

ELEVATION:

REVIEW BY CITY STAFF

OFFICE	INITIAL	DATE
COMMUNITY SERVICES DIVISION		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

DRAWN BY: L.M.-DC-R.S.

MARK: E.B.

DATE: 12-21-93

SUBMITTED BY: Robert M. Beer

DATE: 8/21/90

APPROVED BY: DEPUTY CITY ENGINEER

PLANS PREPARED BY: CM ENGINEERING ASSOCIATES

225 East Airport Drive, San Bernardino, California

CITY OF MORENO VALLEY

(PHASE II) TRACT NO. 22049

STREET IMPROVEMENT PLANS

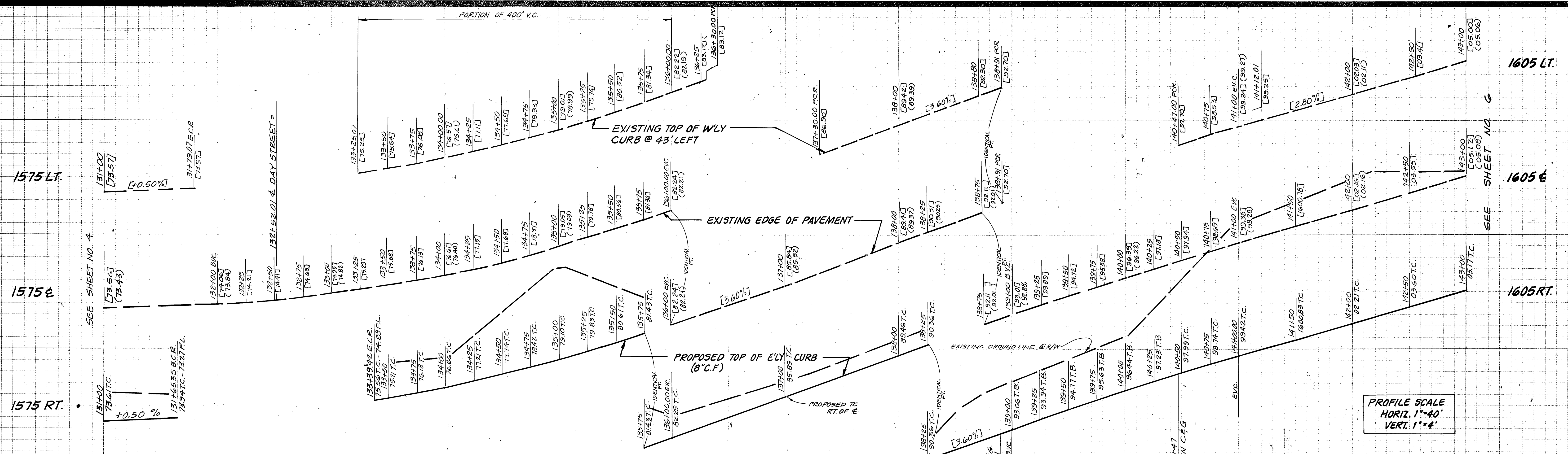
DAY STREET

STA. 120+00.00 TO STA. 131+00.00

SHEET: 4 OF 13 SHTS.

FILE NO: R-3948

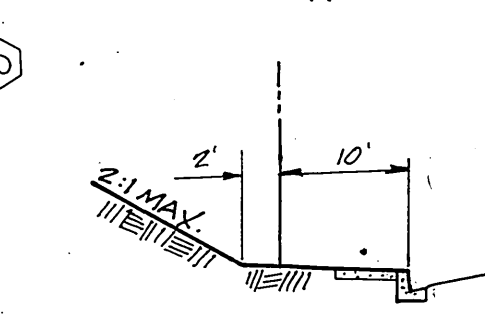
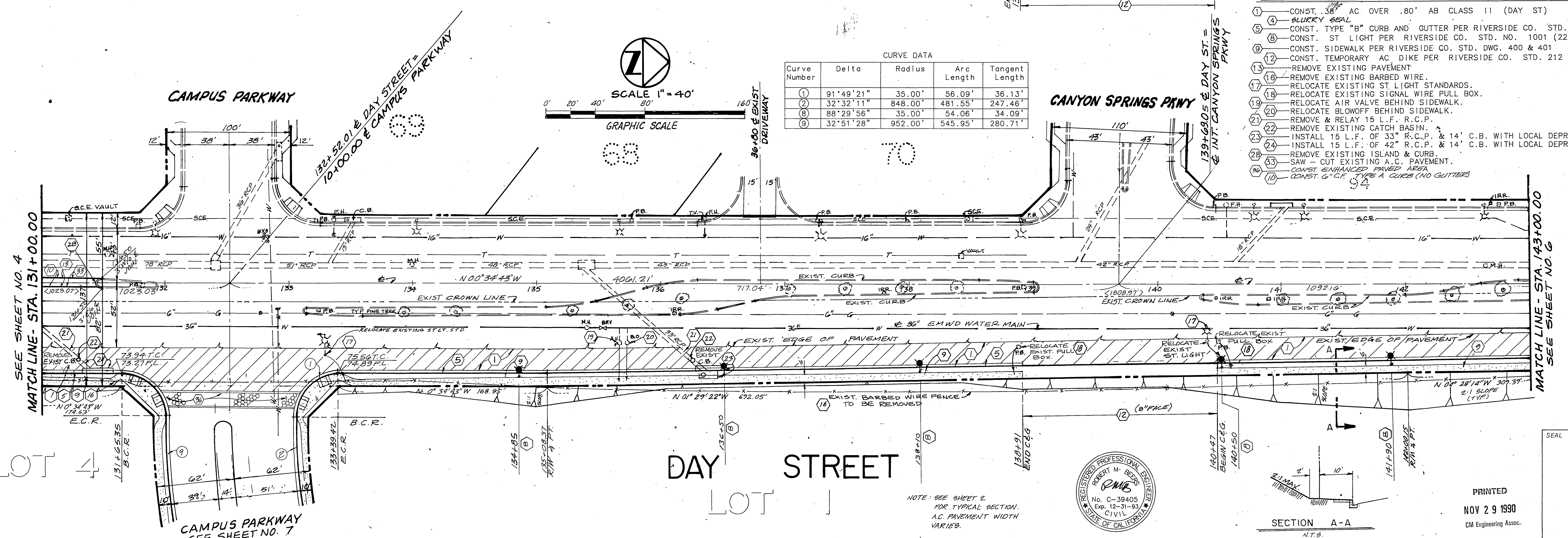
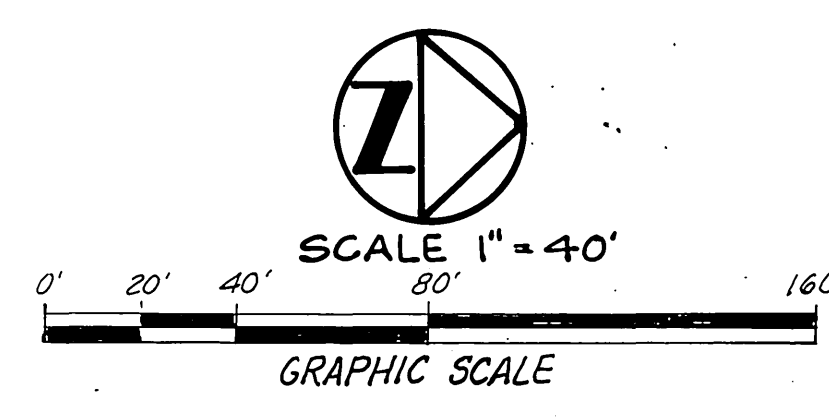




- 141 CONSTRUCTION NOTES 142**
- 1 CONST. 3/8" AC OVER .80" AB CLASS II (DAY ST)
  - 4 SLURRY SEAL
  - 5 CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
  - 8 CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
  - 9 CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
  - 12 CONST. TEMPORARY AC DIKE PER RIVERSIDE CO. STD. 212 (8" FACE)
  - 13 REMOVE EXISTING PAVEMENT
  - 16 REMOVE EXISTING BARBED WIRE.
  - 17 RELOCATE EXISTING ST LIGHT STANDARDS.
  - 18 RELOCATE EXISTING SIGNAL WIRE PULL BOX.
  - 19 RELOCATE AIR VALVE BEHIND SIDEWALK.
  - 20 RELOCATE BLOWOFF BEHIND SIDEWALK.
  - 21 REMOVE & RELAY 15 L.F. R.C.P.
  - 22 REMOVE EXISTING CATCH BASIN.
  - 23 INSTALL 15 L.F. OF 33" R.C.P. & 14' C.B. WITH LOCAL DEPRESSION.
  - 24 INSTALL 15 L.F. OF 42" R.C.P. & 14' C.B. WITH LOCAL DEPRESSION.
  - 25 REMOVE EXISTING ISLAND & CURB
  - 26 SAW-CUT EXISTING A.C. PAVEMENT.
  - 28 CONST. ENHANCED PAVED AREA
  - 30 CONST. 6" C.F. TYPE A CURB (NO GUTTER)

CURVE DATA

Curve Number	Delta	Radius	Arc Length	Tangent Length
1	91°49'21"	35.00'	56.09'	36.13'
2	32°32'11"	848.00'	481.55'	247.46'
8	88°29'56"	35.00'	54.06'	34.09'
9	32°51'28"	952.00'	545.95'	280.71'



NOTE: SEE SHEET 2 FOR TYPICAL SECTION. A.C. PAVEMENT WIDTH VARIES.

PRINTED NOV 29 1990 CM Engineering Assoc.

BENCH MARK LOCATION: SEE SHEET NO. 1  
ELEVATION:

REVIEW BY CITY STAFF

OFFICE	INITIAL	DATE
COMMUNITY SERVICES DISTRICT		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APPROVED

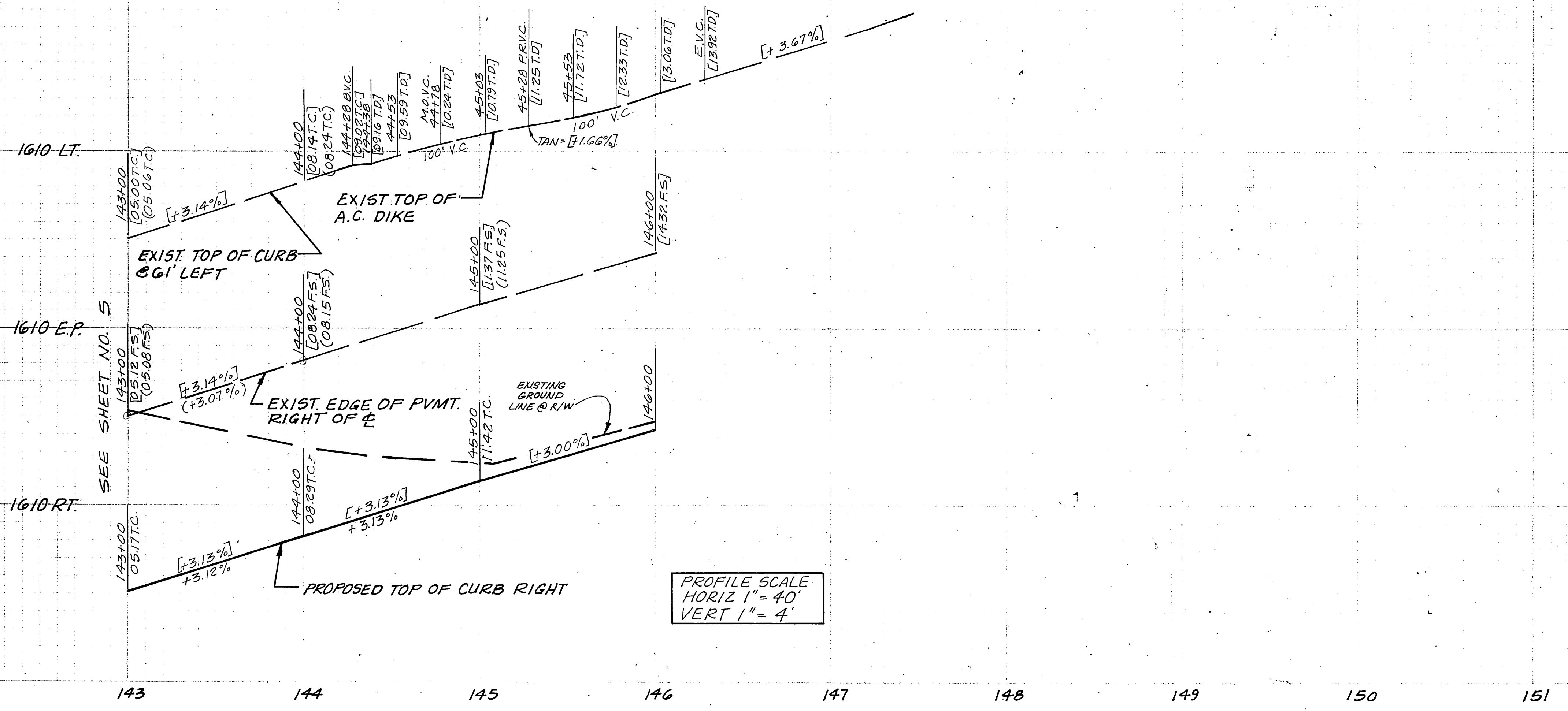
SUBMITTED BY: Robert M. Beers  
DATE: 8/27/90  
REGISTERED CIVIL ENGINEER NO. 38405  
EXP. 12-31-93

PLANS PREPARED BY: CM ENGINEERING ASSOCIATES  
225 East Airport Drive, San Bernardino, California

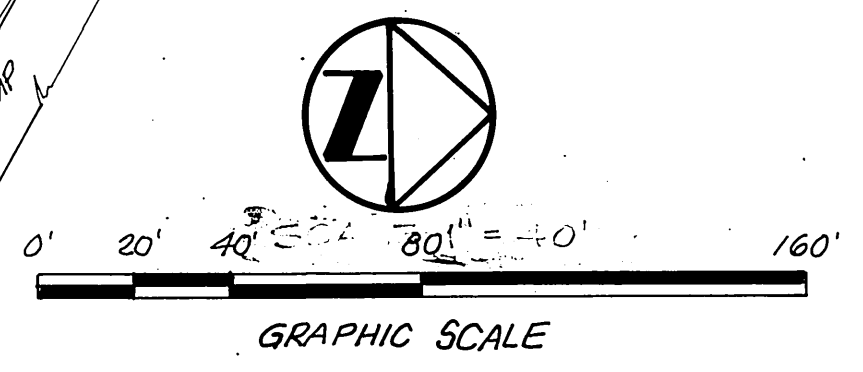
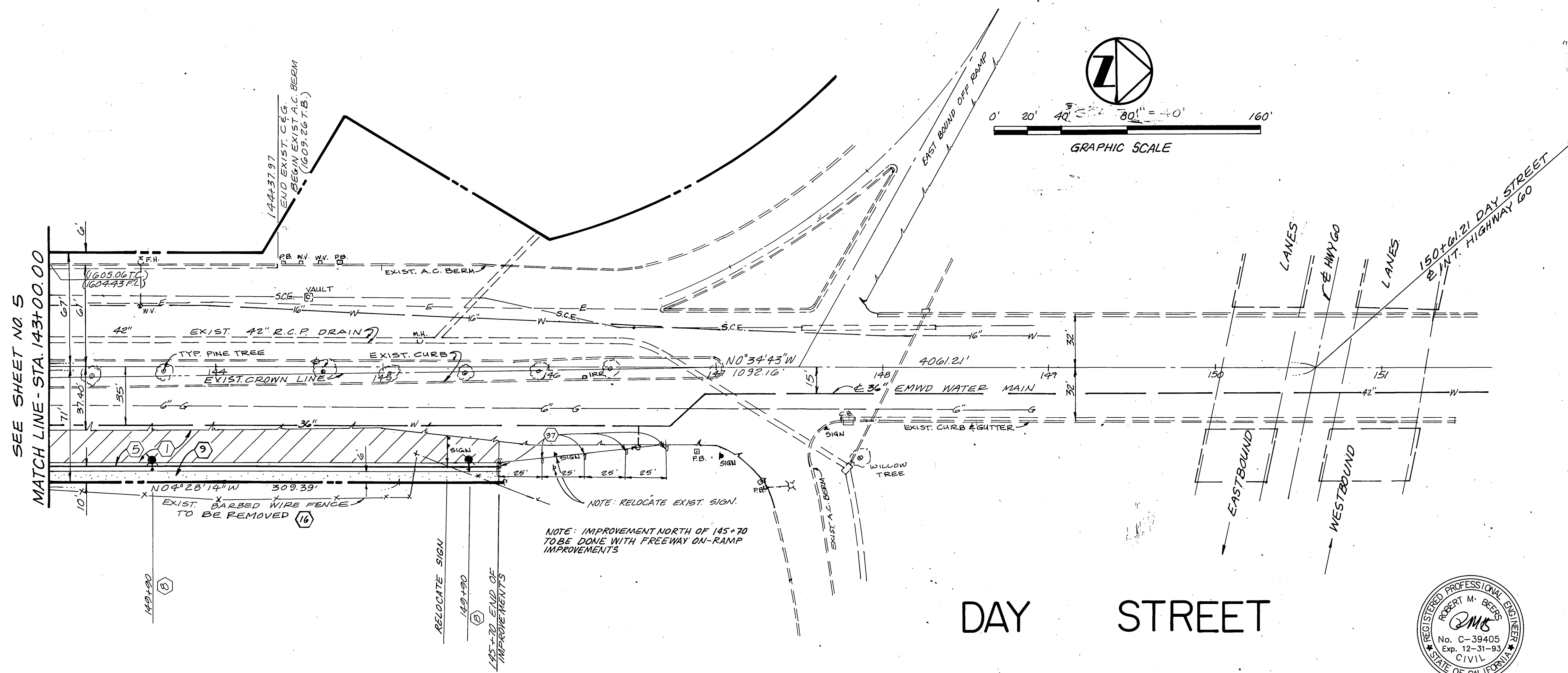
**CITY OF MORENO VALLEY**  
(PHASE II)  
TRACT NO. 22049  
STREET IMPROVEMENT PLANS  
DAY STREET  
STA. 131+00.00 TO STA. 143+00.00

SHEET: 5 OF 13 SHTS  
FILE NO. R-3948





PROFILE SCALE  
 HORIZ 1" = 40'  
 VERT 1" = 4'



- CONSTRUCTION NOTES
- 1 - CONST. 38" AC OVER .80' AB CLASS 11, (DAY ST)
  - 4 - SLURRY SEAL
  - 5 - CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
  - 6 - CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
  - 8 - CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
  - 16 - REMOVE EXISTING BARBED WIRE.
  - 17 - INSTALL CLASS 1 DELINEATOR PER CALTRANS STD. A74-A.



PRINTED  
 NOV 29 1990  
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BENCH MARK LOCATION:  
 SEE SHEET NO. 1  
 ELEVATION:

REVIEW BY CITY STAFF		
OFFICE	INITIAL	DATE
COMMUNITY SERVICES DISTRICT		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

DESIGN BY	CHECKED BY	RECOMMENDED BY
L.M.-D.C.-R.S.	E.B.	

REVISIONS					
MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD.

SUBMITTED BY:  
 Robert M. Boob  
 REGISTERED CIVIL ENGINEER NO. 30405  
 (EXP. 12-31-93)

APPROVED BY:  
 DEPUTY CITY ENGINEER - CITY OF MORENO VALLEY  
 REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_  
 (EXP. \_\_\_\_\_)

PLANS PREPARED BY  
**CM ENGINEERING ASSOCIATES**  
 Mail P.O. Box 6087 - 92412  
 Phone (714) 854-8804 or (714) 825-9552  
 225 East Airport Drive, San Bernardino, California

**CITY OF MORENO VALLEY**  
 (PHASE II)  
 TRACT NO. 22049  
 STREET IMPROVEMENT PLANS  
**DAY STREET**  
 STA. 143+00.00 TO STATE HWY. 60

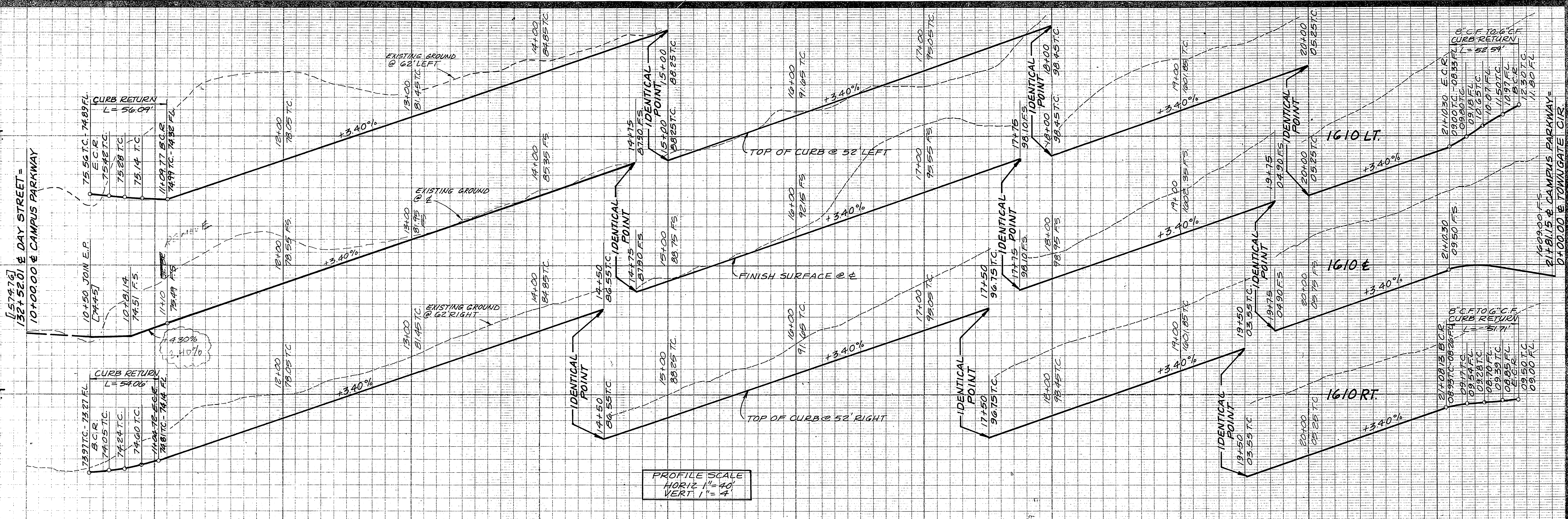
SHEET:  
 6 OF  
 13 SHTS.  
 FILE NO.  
 R-3248



1580 LT.

1580 E

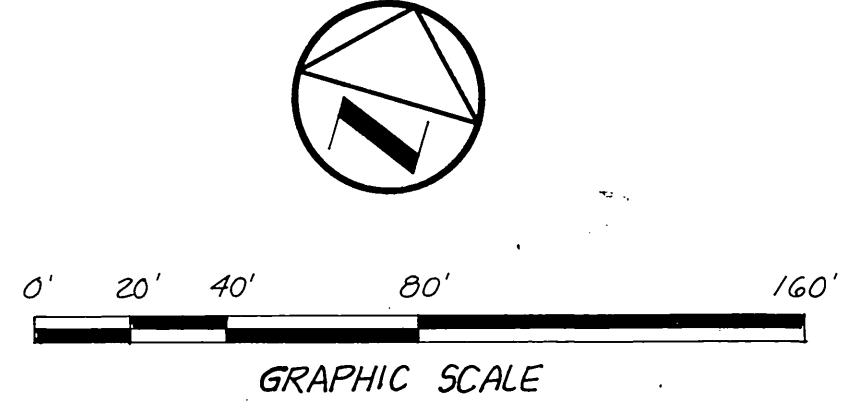
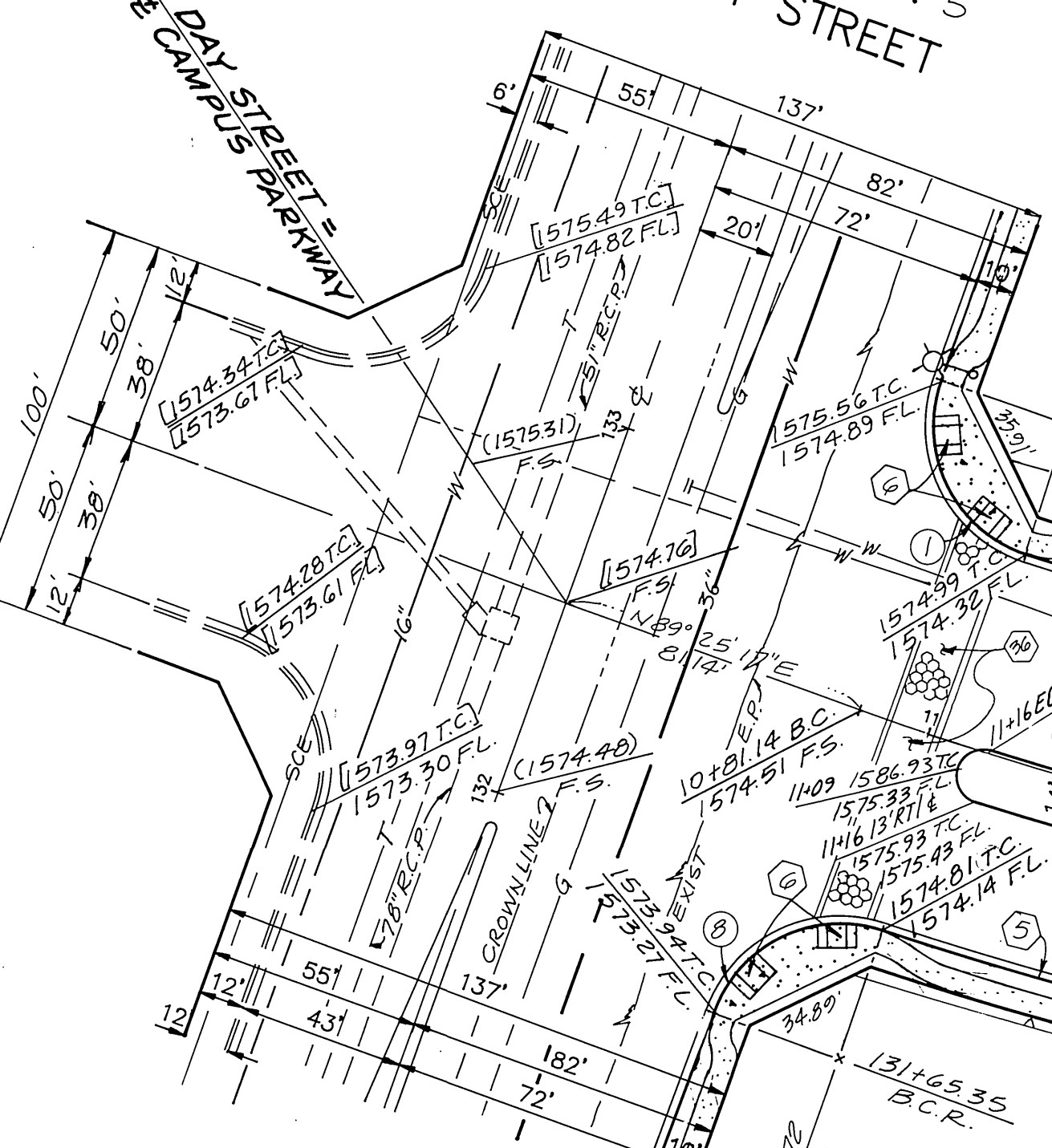
1580 RT.



PROFILE SCALE  
 HORIZ 1"=40'  
 VERT 1"=4'

09 10 11 12 13 14 15 16 17 18 19 20 21

SEE SHEET NO. 5  
 DAY STREET



Curve Number	Delta	Radius	Arc Length	Tangent Length
1	91°49'21"	35.00'	56.09'	36.13'
2	32°32'11"	848.00'	481.55'	247.46'
3	31°09'32"	952.00'	517.72'	265.44'
4	86°05'57"	35.00'	52.59'	32.69'
5	88°29'56"	35.00'	54.06'	34.09'
6	32°51'28"	952.00'	545.95'	280.71'
7	31°01'30"	848.00'	459.18'	235.37'
8	84°38'51"	35.00'	51.71'	31.87'
9	34°21'32"	900.00'	539.71'	278.24'
10	35°40'11"	900.00'	560.30'	289.56'

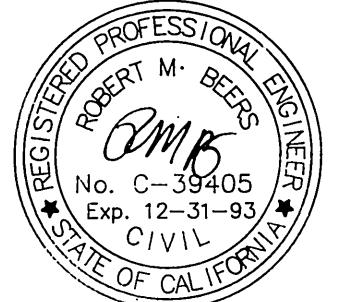
Curve Number	Delta	Radius	Arc Length	Tangent Length
11	32°32'11"	838.00'	475.87'	244.54'
12	32°51'28"	962.00'	551.68'	283.66'
13	31°09'33"	962.00'	523.16'	268.22'
14	31°01'30"	838.00'	453.77'	232.59'

LOT 1

LOT 4  
CAMPUS PARKWAY

TOWNGATE CIRCLE

- CONSTRUCTION NOTES
- 1 - CONST. .33' AC OVER .50 AB CLASS 11
  - 2 - SLURRY SEAL
  - 3 - CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
  - 4 - CONST. ACCESS RAMP PER CITY OF MORENO VALLEY STD. 816
  - 5 - CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
  - 6 - CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
  - 7 - CONST. TYPE "A" CURB (NO GUTTER) MEDIAN ISLAND NO. 204
  - 8 - INSTALL STREET NAME SIGNS PER CITY STD. NO. 55
  - 9 - CONST. ENHANCED PAVED AREA



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BENCH MARK LOCATION: SEE SHEET NO. 1  
 ELEVATION:

REVIEW BY CITY STAFF		
OFFICE	INITIAL	DATE
COMMUNITY SERVICES DISTRICT		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

REVISIONS					
MARK	DATE	INITIAL	DESCRIPTION	DATE	APP'VD.

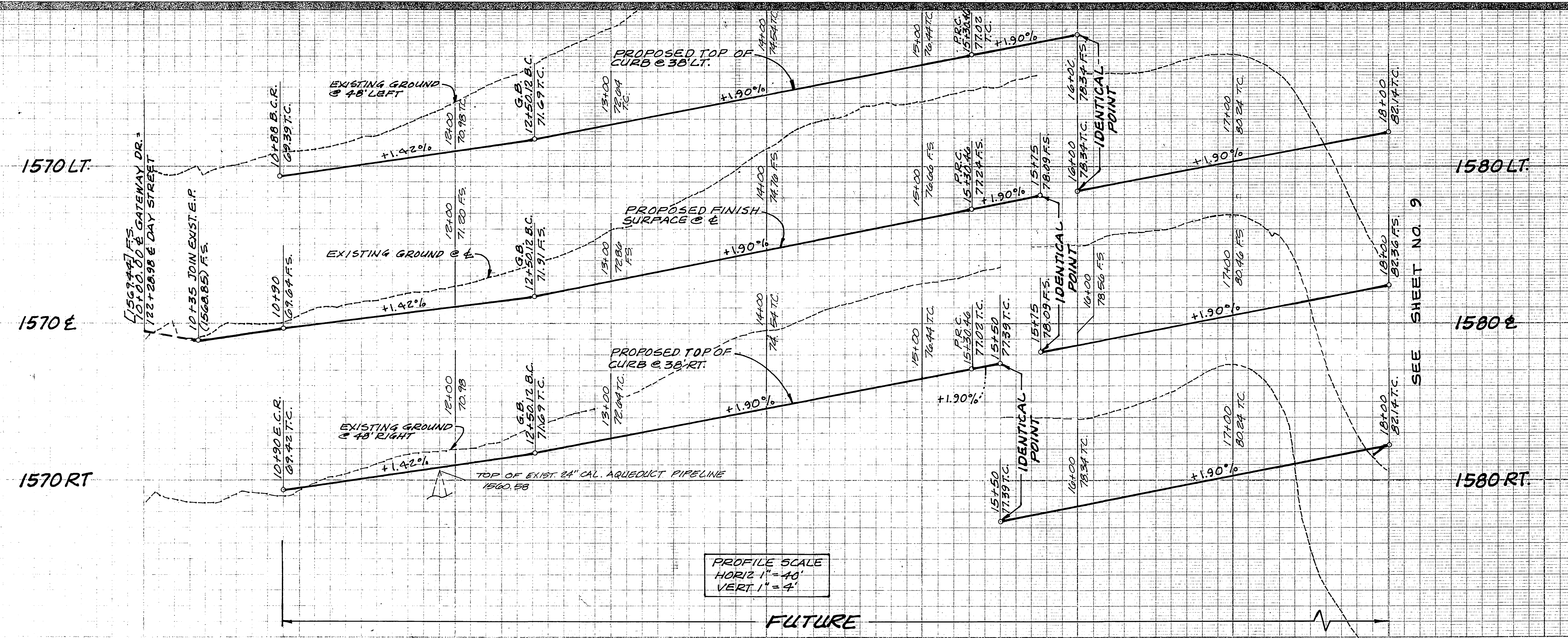
SUBMITTED BY: *Robert M. Beros*  
 REGISTERED CIVIL ENGINEER NO. 32425  
 (EXP. 12-31-93)  
 DATE: 8/24/90  
 APPROVED BY: DEPUTY CITY ENGINEER - CITY OF MORENO VALLEY  
 REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_  
 DATE: \_\_\_\_\_

PLANS PREPARED BY  
**CM ENGINEERING ASSOCIATES**  
 Mail P.O. Box 8087 • 92412  
 Phone 1741884-8804 or 1741825-9562  
 226 East Airport Drive, San Bernardino, California  
 W.D. 30117 | FOR RIR ASSOCIATES

**CITY OF MORENO VALLEY**  
 (PHASE II)  
 TRACT NO. 22049  
 STREET IMPROVEMENT PLANS  
**CAMPUS PARKWAY**  
 DAY STREET TO TOWNGATE CIRCLE

SHEET:  
 7 OF  
 13 SHTS.  
 FILE NO.  
 R-3948

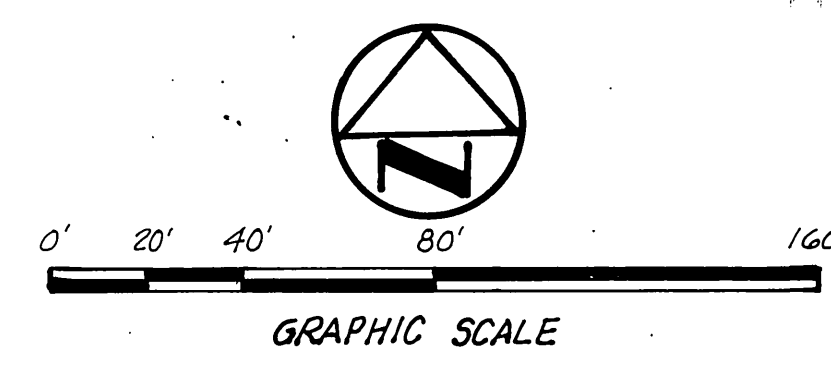
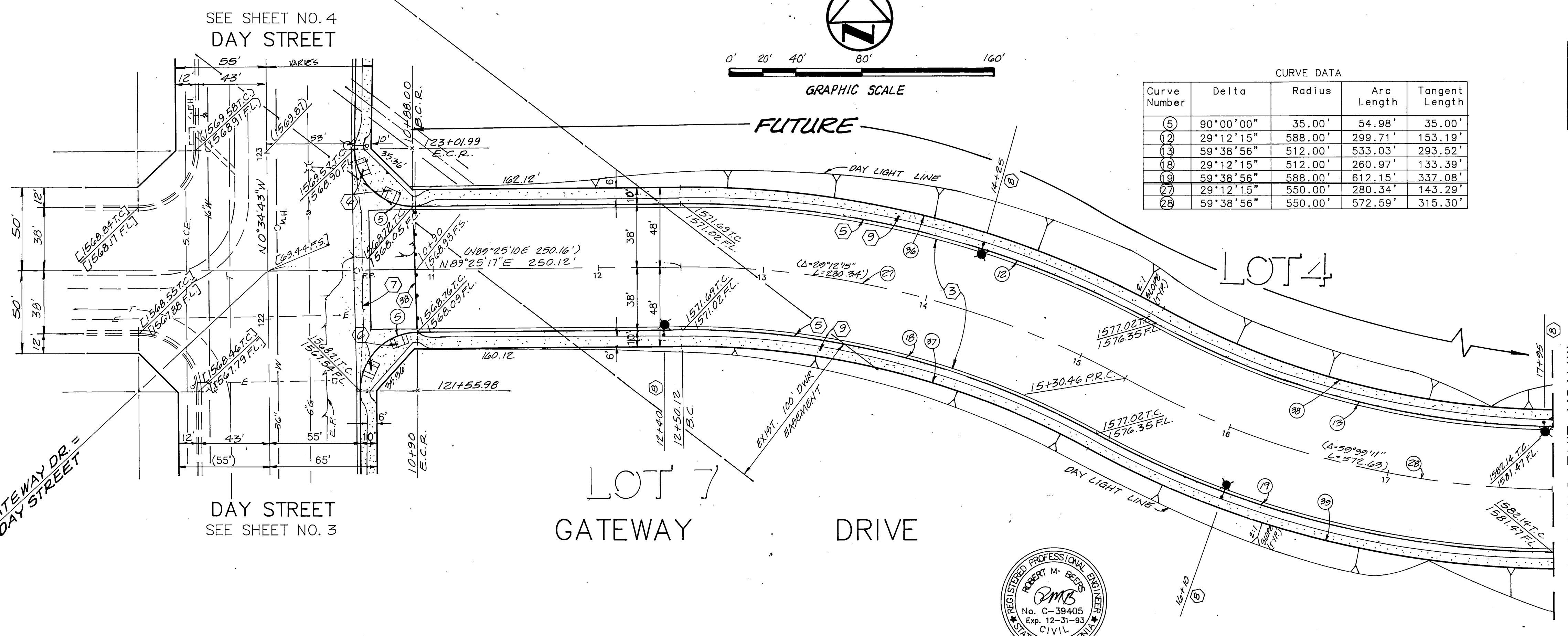




PROFILE SCALE  
HORIZ 1" = 40'  
VERT 1" = 4'

FUTURE

09 10 11 12 13 14 15 16 17 18



CURVE DATA

Curve Number	Delta	Radius	Arc Length	Tangent Length
5	90°00'00"	35.00'	54.98'	35.00'
12	29°12'15"	588.00'	299.71'	153.19'
3	59°38'56"	512.00'	533.03'	293.52'
8	29°12'15"	512.00'	260.97'	133.39'
9	59°38'56"	588.00'	612.15'	337.08'
7	29°12'15"	550.00'	280.34'	143.29'
28	59°38'56"	550.00'	572.59'	315.30'

CURVE DATA

Curve Number	Delta	Radius	Arc Length	Tangent Length
66	29°12'15"	598.00'	304.81'	155.79'
27	29°12'15"	502.00'	255.87'	130.78'
65	56°38'56"	502.00'	522.62'	287.78'
69	59°38'56"	598.00'	622.56'	342.82'

- CONSTRUCTION NOTES
- 5 - CONST. .33' AC OVER .42 AB CLASS II
  - 4 - SLURRY SEAL
  - CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
  - 6 - CONST. ACCESS RAMP PER CITY OF MORENO VALLEY STD. R16
  - 7 - CONST. CROSS GUTTER PER RIVERSIDE CO. STD. 200 & 200A
  - 8 - CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
  - 9 - CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
  - 11 - INSTALL STREET NAME SIGNS PER CITY STD. NO. 55
  - 28 - INSTALL BARRICADE PER RIVERSIDE CO STD. B10



BENCH MARK LOCATION: SEE SHEET NO. 1  
ELEVATION:

REVIEW BY CITY STAFF  
OFFICE: COMMUNITY SERVICES DISTRICT  
INITIAL: [ ] DATE: [ ]  
DESIGN BY: E.B.  
CHECKED BY: [ ]  
RECOMMENDED BY: [ ]

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APPVD.

SUBMITTED BY: Robert M. Dees  
DATE: 8/27/90  
REGISTERED CIVIL ENGINEER NO. 39405  
EXP. 12-31-93  
APPROVED BY: [ ]  
DEPUTY CITY ENGINEER - CITY OF MORENO VALLEY  
REGISTERED CIVIL ENGINEER NO. [ ]  
DATE: [ ]

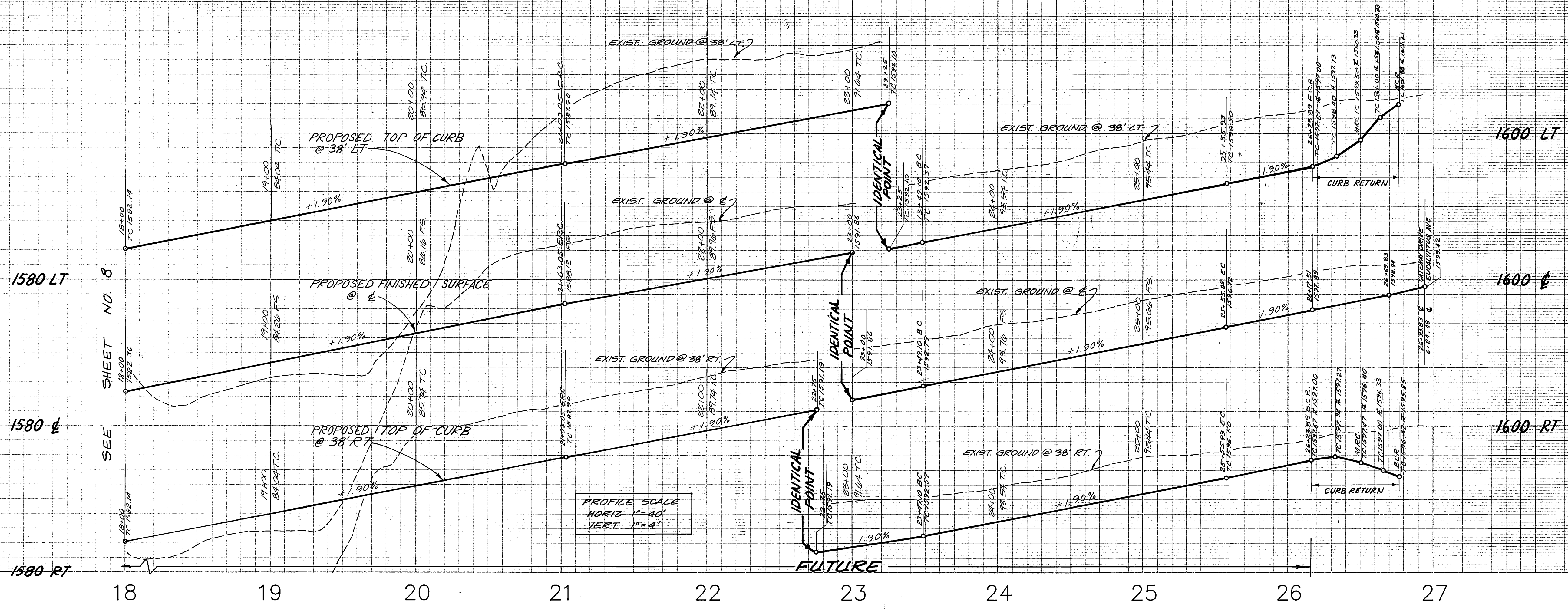
PLANS PREPARED BY  
CM ENGINEERING ASSOCIATES  
Mail P.O. Box 6087 • 92412  
Phone (714) 884-8004 or (714) 825-8562  
226 East Airport Drive, San Bernardino, California  
W.D. 30117 FOR RIR ASSOCIATES

CITY OF MORENO VALLEY  
(PHASE II)  
TRACT NO. 22049  
STREET IMPROVEMENT PLANS  
GATEWAY DRIVE  
DAY STREET TO STA. 18+00.00

SHEET: 8 OF 13 SHTS.  
FILE NO. R-3948

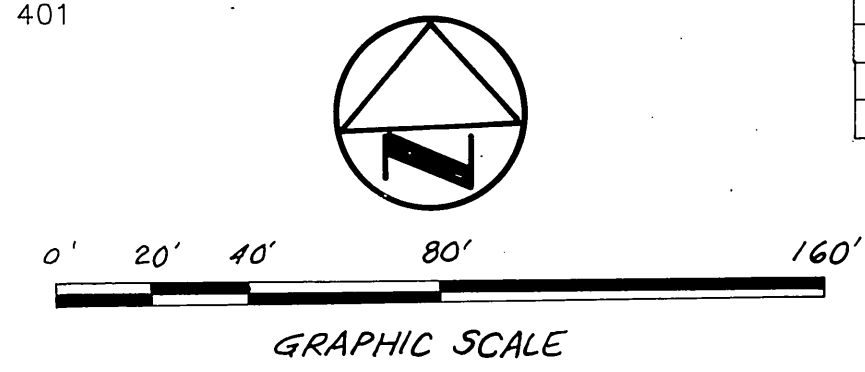
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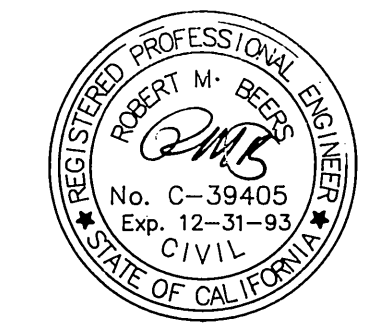
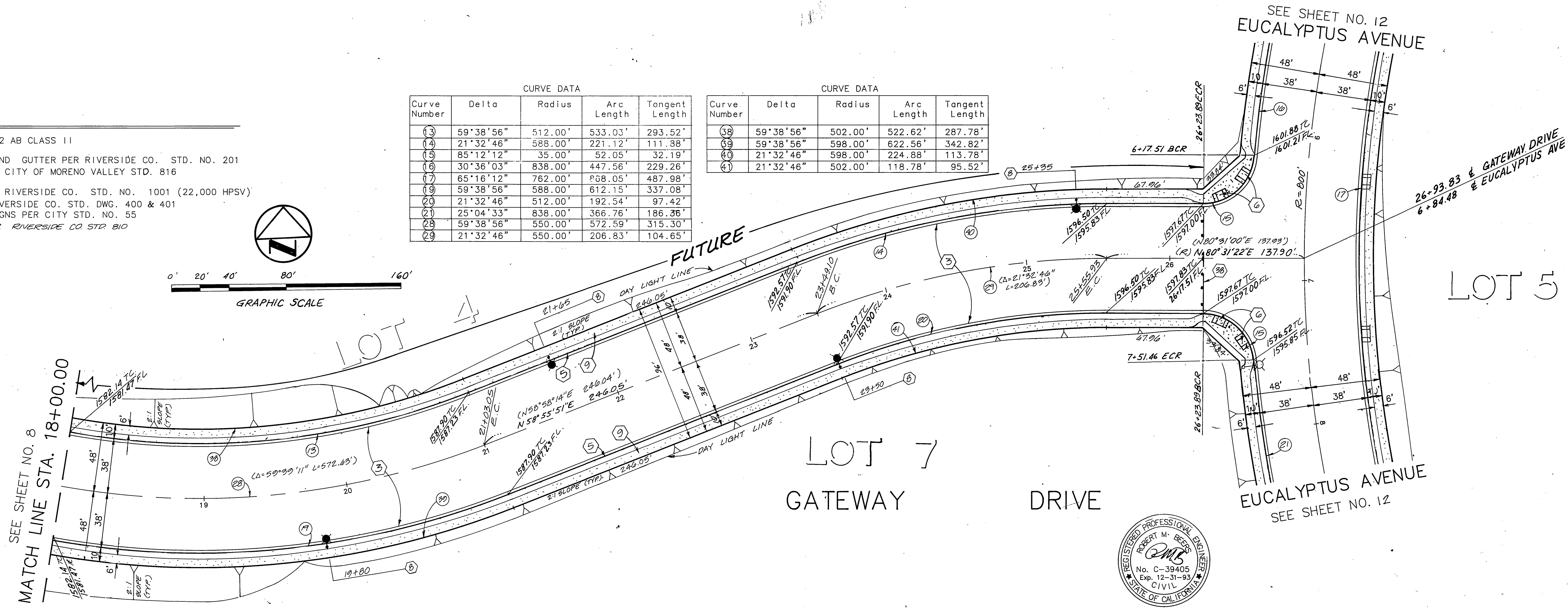
**CONSTRUCTION NOTES**

- 3 CONST. .33' AC OVER .42 AB CLASS II
- 4 CURRY SEAL
- 5 CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
- 6 CONST. ACCESS RAMP PER CITY OF MORENO VALLEY STD. 816
- 8 CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
- 9 CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
- 11 INSTALL STREET NAME SIGNS PER CITY STD. NO. 55
- 38 INSTALL BARRICADE PER RIVERSIDE CO STD 810



CURVE DATA				
Curve Number	Delta	Radius	Arc Length	Tangent Length
13	59°38'56"	512.00'	533.03'	293.52'
14	21°32'46"	588.00'	221.12'	111.38'
15	85°12'12"	35.00'	52.05'	32.19'
16	30°36'03"	838.00'	447.56'	229.26'
17	65°16'12"	782.00'	808.05'	487.98'
19	59°38'56"	588.00'	612.15'	337.08'
21	21°32'46"	512.00'	192.54'	97.42'
21	25°04'33"	838.00'	366.76'	186.36'
28	59°38'56"	550.00'	572.59'	315.30'
29	21°32'46"	550.00'	206.83'	104.65'

CURVE DATA				
Curve Number	Delta	Radius	Arc Length	Tangent Length
38	59°38'56"	502.00'	522.62'	287.78'
39	59°38'56"	598.00'	622.56'	342.82'
40	21°32'46"	598.00'	224.88'	113.78'
41	21°32'46"	502.00'	118.78'	95.52'



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BENCH MARK LOCATION:  
SEE SHEET NO. 1  
ELEVATION:

REVIEW BY CITY STAFF		
OFFICE	INITIAL	DATE
COMMUNITY SERVICES DISTRICT		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

REVISIONS				
MARK	DATE	INITIAL	DESCRIPTION	APPVD.

SUBMITTED BY: *Robert M. Bees*  
DATE: 9/27/90  
REGISTERED CIVIL ENGINEER NO. 39405 (EXP. 12-31-93)  
APPROVED BY: \_\_\_\_\_  
DEPUTY CITY ENGINEER - CITY OF MORENO VALLEY  
DATE: \_\_\_\_\_  
REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_ (EXP. \_\_\_\_\_)

PLANS PREPARED BY  
**CM ENGINEERING ASSOCIATES**  
Mail P.O. Box 6087 • 92412  
Phone (714)884-8904 or (714)825-0562  
226 East Airport Drive, San Bernardino, California  
W.O. 30117 FOR RIR ASSOCIATES

**CITY OF MORENO VALLEY**  
(PHASE II)  
TRACT NO. 22049  
STREET IMPROVEMENT PLANS  
GATEWAY DRIVE  
STA. 18+00.00 TO EUCALYPTUS AVE.

SHEET:  
9 OF  
13 SHTS.  
FILE NO.  
R-3948



1555-LT.

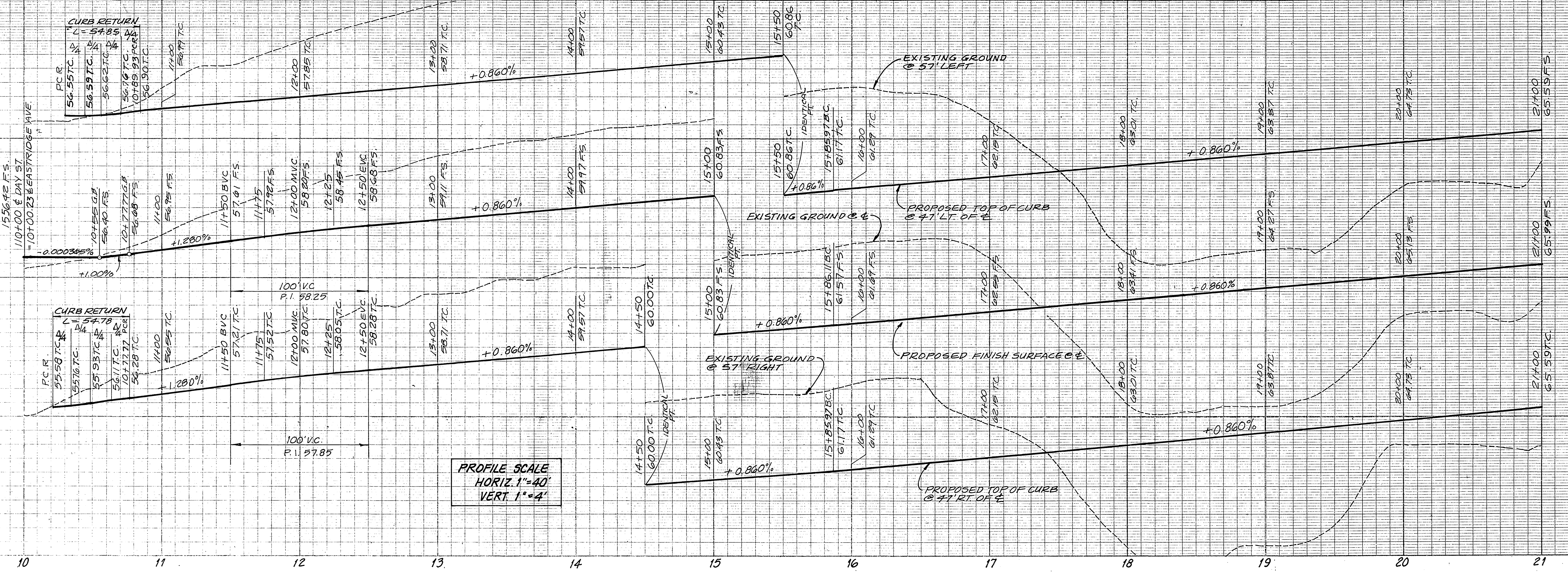
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1555-RT.

1565-LT.

1565-C

1565-RT.

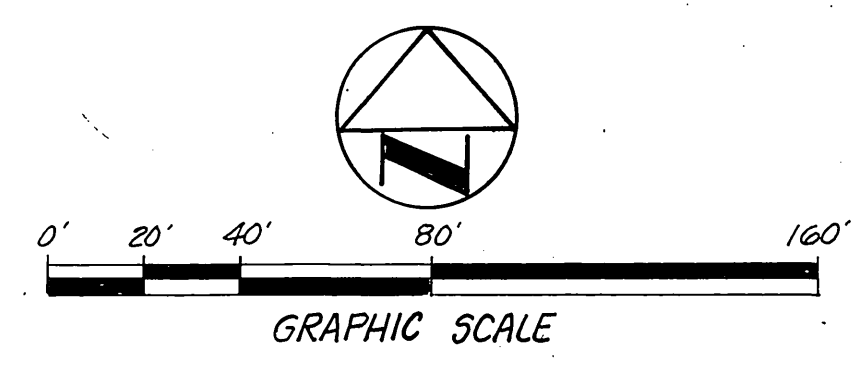


PROFILE SCALE  
 HORIZ. 1"=40'  
 VERT. 1"=4'

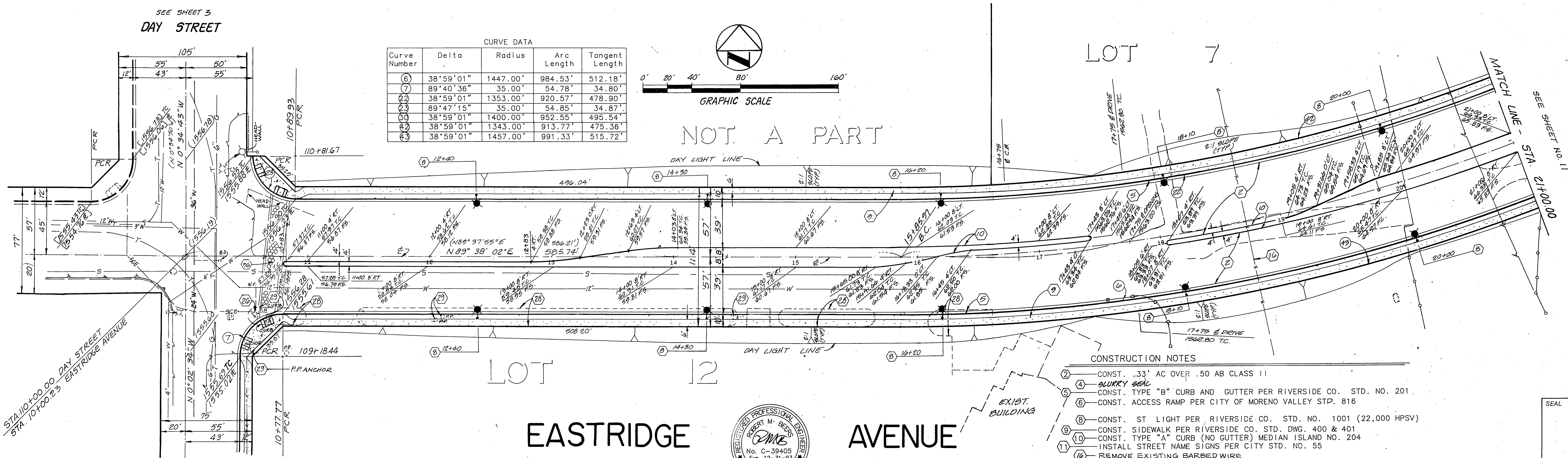
SEE SHEET 3  
 DAY STREET

CURVE DATA

Curve Number	Delta	Radius	Arc Length	Tangent Length
(6)	38°59'01"	1447.00'	984.53'	512.18'
(7)	89°40'36"	35.00'	54.78'	34.80'
(8)	38°59'01"	1353.00'	920.57'	478.90'
(9)	89°47'15"	35.00'	54.85'	34.87'
(10)	38°59'01"	1400.00'	952.55'	495.54'
(11)	38°59'01"	1343.00'	913.77'	475.36'
(12)	38°59'01"	1457.00'	991.33'	515.72'



NOT A PART



- CONSTRUCTION NOTES
- CONST. .33' AC OVER .50 AB CLASS II
  - CONST. GURRY SEAL
  - CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
  - CONST. ACCESS RAMP PER CITY OF MORENO VALLEY STP. 816
  - CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
  - CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
  - CONST. TYPE "A" CURB (NO GUTTER) MEDIAN ISLAND NO. 204
  - INSTALL STREET NAME SIGNS PER CITY STD. NO. 55
  - REMOVE EXISTING BARBED WIRE
  - REMOVE EXISTING ISLAND & CURB
  - POWER POLE RELOCATE
  - CONST. ENHANCED PAVED AREA.



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BENCH MARK LOCATION:  
 SEE SHEET NO. 1

ELEVATION:

REVIEW BY CITY STAFF

OFFICE	INITIAL	DATE
COMMUNITY SERVICES DISTRICT		
CAPITAL PROJECTS		
TRANSPORTATION DIVISION		
PARKS & RECREATION		

REVISIONS

MARK	DATE	INITIAL	DESCRIPTION	DATE	APPRD.

SUBMITTED BY: Robert M. Beas  
 REGISTERED CIVIL ENGINEER NO. 214025  
 (EXP. 12-31-93)

APPROVED BY: DEPUTY CITY ENGINEER - CITY OF MORENO VALLEY  
 REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_  
 (EXP. \_\_\_\_\_)

PLANS PREPARED BY  
**CM ENGINEERING ASSOCIATES**  
 225 East Airport Drive, San Bernardino, California  
 W.O. 30117 FOR RIR ASSOCIATES

**CITY OF MORENO VALLEY**  
 (PHASE II)  
 TRACT NO. 22049  
**STREET IMPROVEMENT PLANS**  
**EASTRIDGE AVENUE**  
 DAY STREET TO STA. 21+00.00

SHEET:  
 10 OF  
 13 SHTS.  
 FILE NO.  
 R-3748

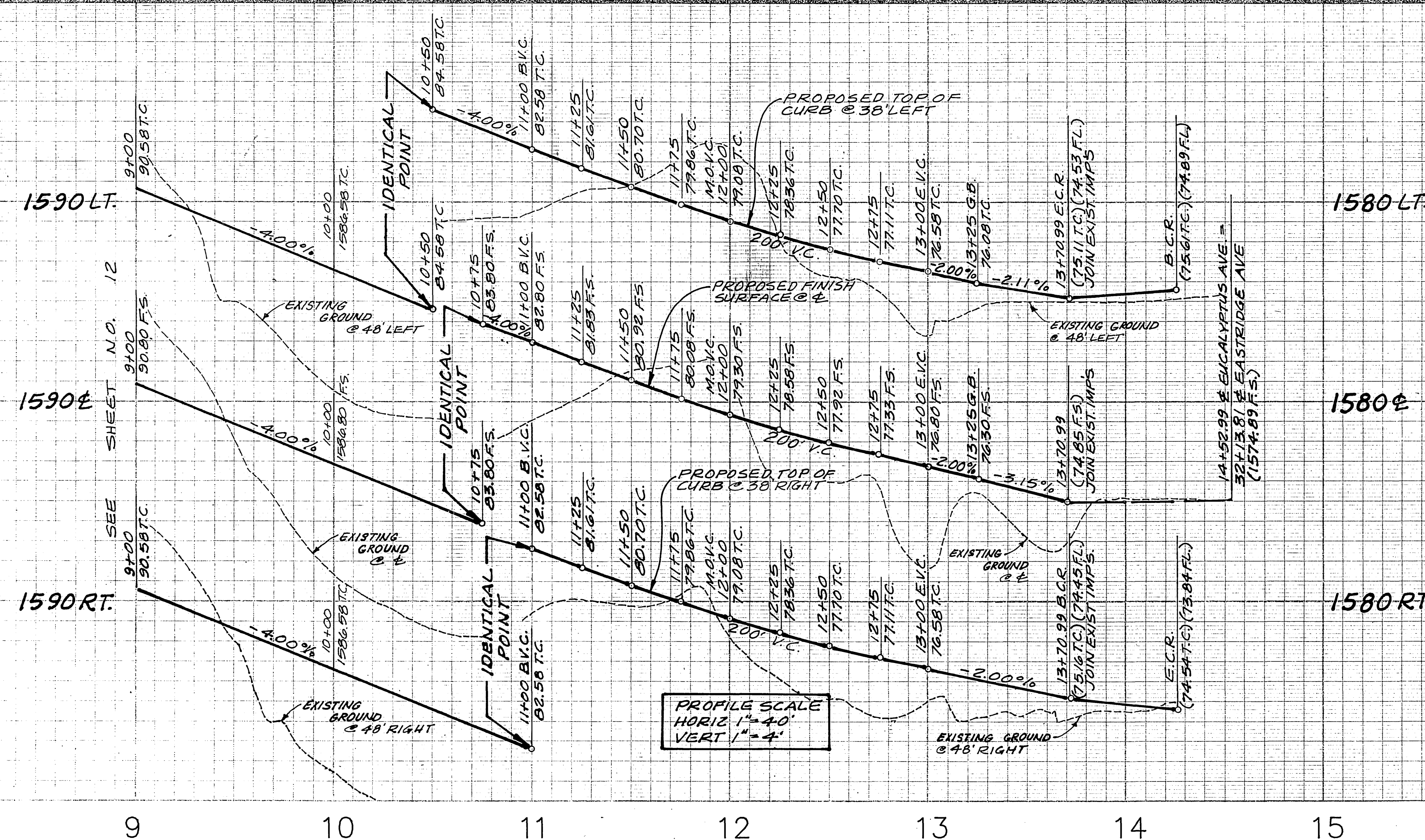




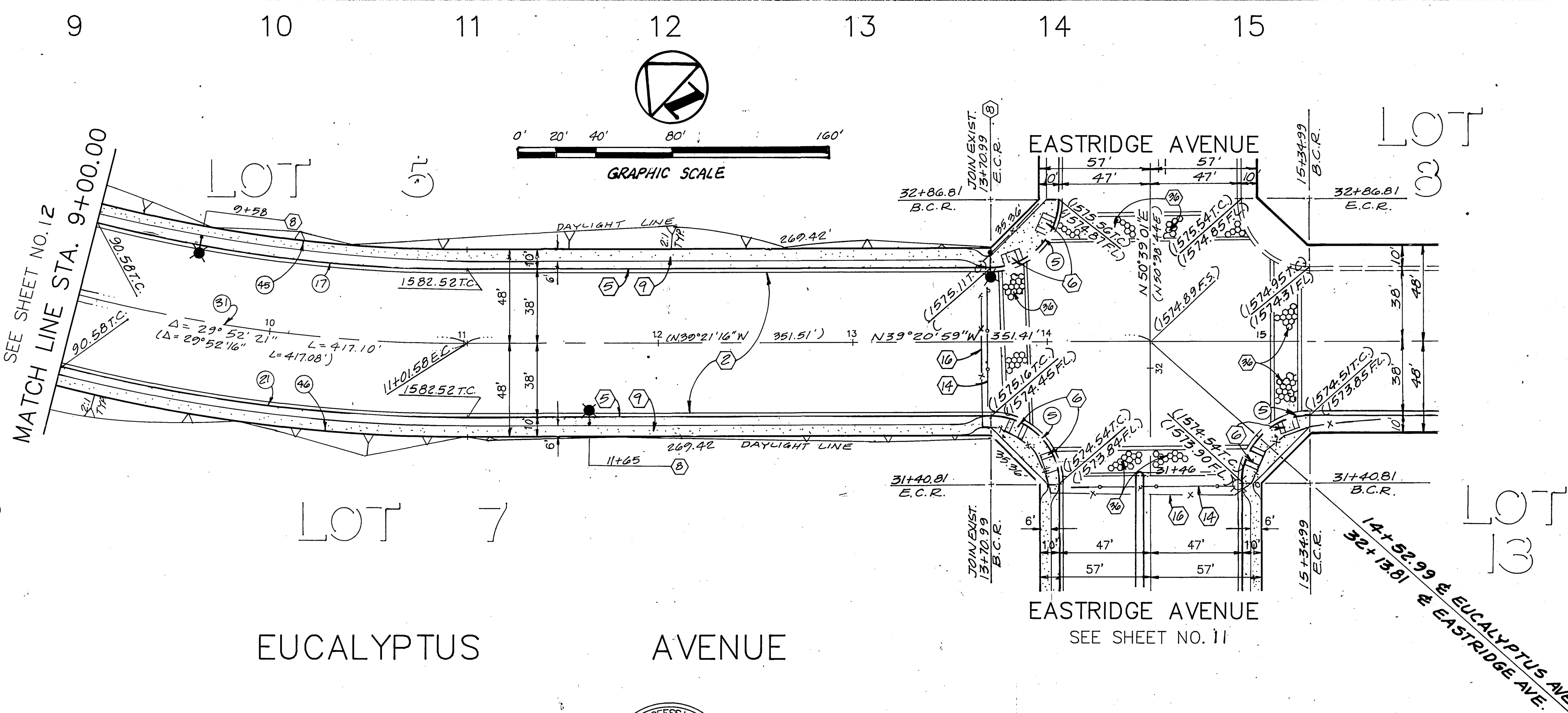


**MISSING SHEET**





PROFILE SCALE  
HORIZ 1" = 40'  
VERT 1" = 4'



CURVE DATA

Curve Number	Delta	Radius	Arc Length	Tangent Length
(5)	90°00'00"	35.00'	54.98'	35.00'
(17)	65°16'12"	762.00'	868.05'	487.98'
(21)	25°04'33"	838.00'	366.76'	186.36'
(31)	65°16'12"	800.00'	911.34'	512.31'
(49)	65°16'12"	752.00'	856.66'	481.57'
(46)	25°04'33"	848.00'	371.13'	188.59'

- CONSTRUCTION NOTES
- (2) CONST. .33' AC OVER .50 AB CLASS II (EASTRIDGE/EUCALYPTUS/CAMPUS)
  - (4) SLURRY SEAL
  - (5) CONST. TYPE "B" CURB AND GUTTER PER RIVERSIDE CO. STD. NO. 201
  - (6) CONST. ACCESS RAMP PER CITY OF MORENO VALLEY STD. 816
  - (8) CONST. ST LIGHT PER RIVERSIDE CO. STD. NO. 1001 (22,000 HPSV)
  - (9) CONST. SIDEWALK PER RIVERSIDE CO. STD. DWG. 400 & 401
  - (11) INSTALL STREET NAME SIGNS PER CITY STD. NO. 55
  - (12) CONST. TEMPORARY AC DIKE PER RIVERSIDE CO. STD. 212 (8" FACE)
  - (13) REMOVE EXISTING PAVEMENT
  - (14) REMOVE EXISTING BARRICADE
  - (15) CONST. AC PAVEMENT OVERLAY VAR THICKNESS (1" MIN)
  - (16) REMOVE EXISTING BARBED WIRE
  - (30) CONST. ENHANCED PAVED AREA



PRINTED  
NOV 29 1990  
CM Engineering Assoc.

BENCH MARK LOCATION:  ELEVATION:	REVIEW BY CITY STAFF		DRAWN BY: L.M.-D.C.-R.S.	REVISIONS				SUBMITTED BY:		PLANS PREPARED BY: <b>CM ENGINEERING ASSOCIATES</b> Mail P.O. Box 8087 - 92412 Phone (714) 884-8804 or (714) 825-9562 238 East Airport Drive, San Bernardino, California	CITY OF MORENO VALLEY (PHASE II) TRACT NO. 22049 STREET IMPROVEMENT PLANS EUCALYPTUS AVENUE STA. 9+00.00 TO EASTRIDGE AVE.	SHEET: 13 OF 13 SHTS. FILE NO: R-3948
	OFFICE COMMUNITY SERVICES DISTRICT CAPITAL PROJECTS TRANSPORTATION DIVISION PARKS & RECREATION	INITIAL		DATE	DESIGN BY: E.B.	MARK	DATE	INITIAL	DESCRIPTION			