

CONSTRUCTION NOTES

- Construct Curb & Gutter per Standard No. 115
- Construct Modified Curb & Gutter per Detail this Sheet
- Construct Asphalt Concrete Paving per Typical Section this Sheet
- Construct Sidewalk per Standard No. 109
- Construct Intersection Sidewalk per Standard No. 109a
- Construct Cross-Cutler per Standard No. 119
- Construct Barricade per Standard No. 305
- Construct End of Temporary Pavement per Standard 305a

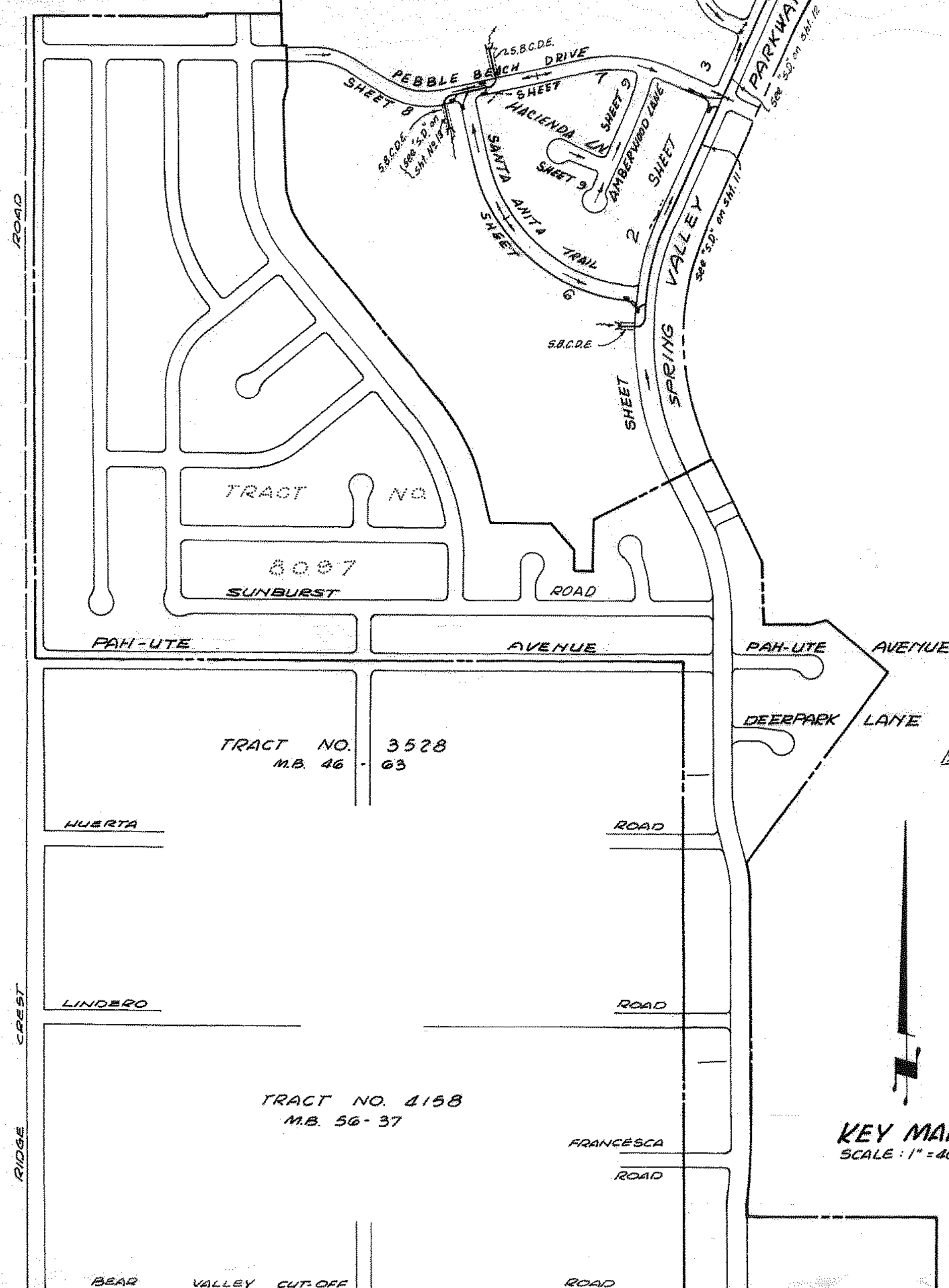
ROAD STRUCTURAL SECTION TABLE

STREET NAME	FROM STA.	TO STA.	A.C.	A.B.	CLASS A.B.	NATIVE R-VALUE
SPRING VALLEY PKWY.	44+10.89	56+70.00	0.21'	0.65'	III	
SPRING VALLEY PKWY.	56+70.00	69+30.00	0.21'	0.35'	III	
SPRING VALLEY PKWY.	69+30.00	86+04.24	0.21'	0.65'	III	
CEDAR BROOK LANE	0+36.50	8+94.08	0.17'	0		70 min.
SANTA ANITA TRAIL	0+32.00	12+13.79	0.21'	0.35'	III	
PEBBLE BEACH DRIVE	10+58.93	18+33.00	0.21'	0.65'	III	
PEBBLE BEACH DRIVE	18+33.00	28+82.60	0.21'	0		75 min.
PEBBLE BEACH DRIVE	28+82.60	30+74.60	0.21'	0		75 min.
HACIENDA LANE	0+22.50	2+59.78	0.21'	0.35'	III	
AMBERWOOD LANE	0+26.50	6+39.07	0.17'	0		70 min.

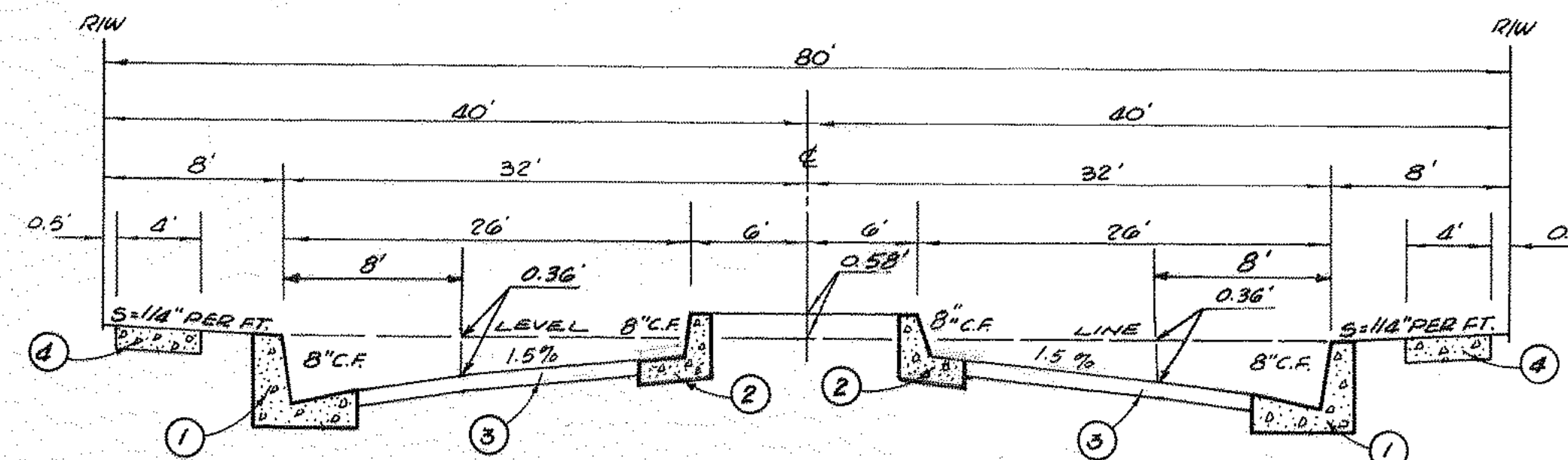
* WHERE POOR MATERIAL IS LOCATED IN THIS AREA, IT WILL BE REMOVED AND A MINIMUM OF 0.21' OF A FOOT OF A.C. OVER 1.30 FEET OF CLASS III A.B. WILL BE INSTALLED.

CLASS III A.B. BASE SPECIFICATIONS

- AGGREGATE GRADATION - 2% - 100%
#4 - 50-25%
#30 - 70-65%
#200 - 3-20%
- SAND EQUIVALENT - 30 Min.
- R-VALUE - 70 Min.

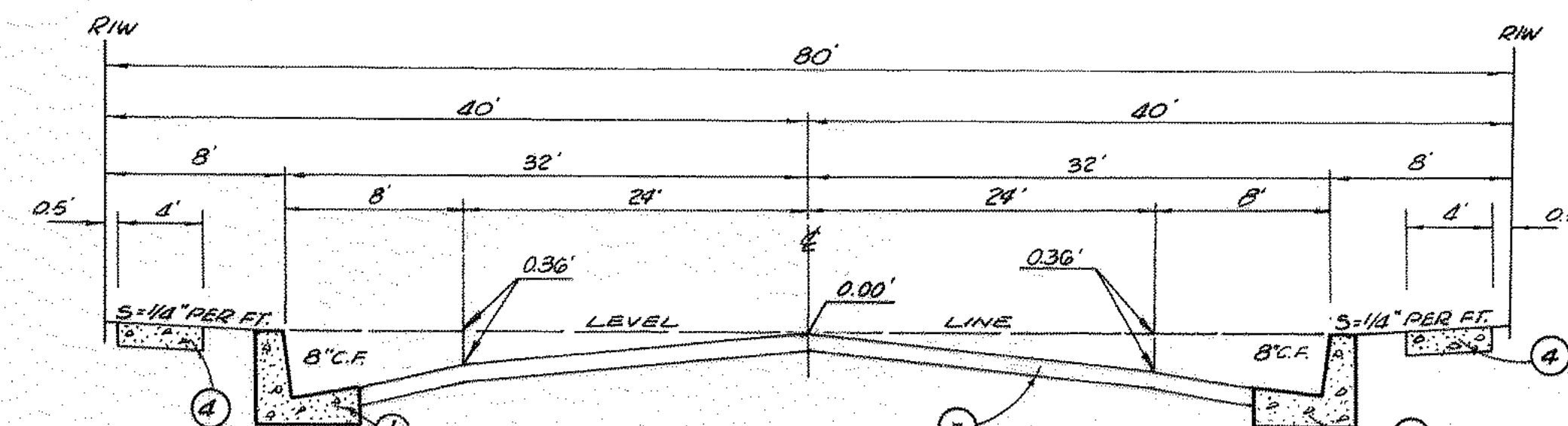


NOTE:
See sheet 1A for revised typical street sections



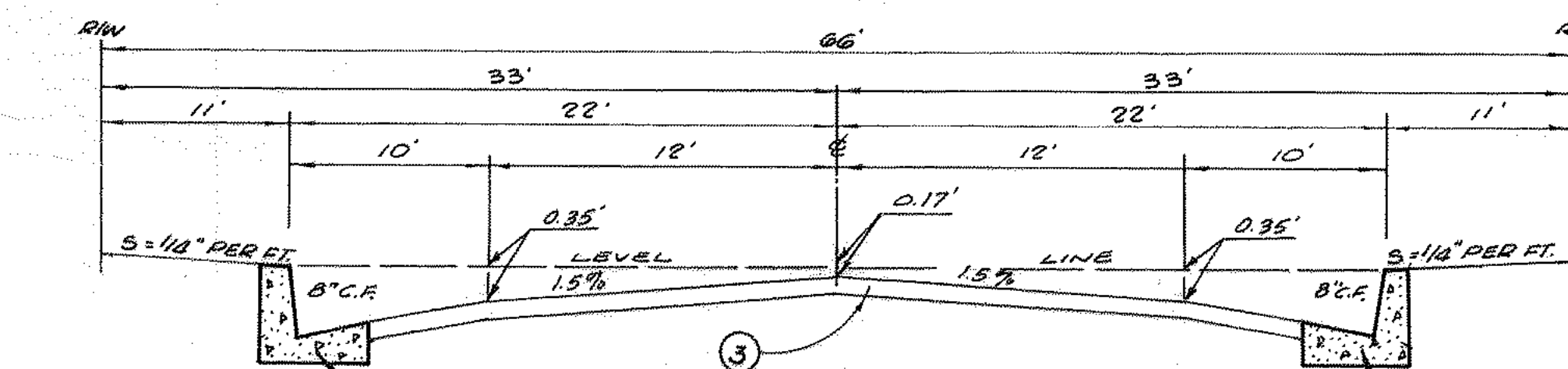
TYPICAL SECTION FOR SPRING VALLEY PARKWAY

NO SCALE



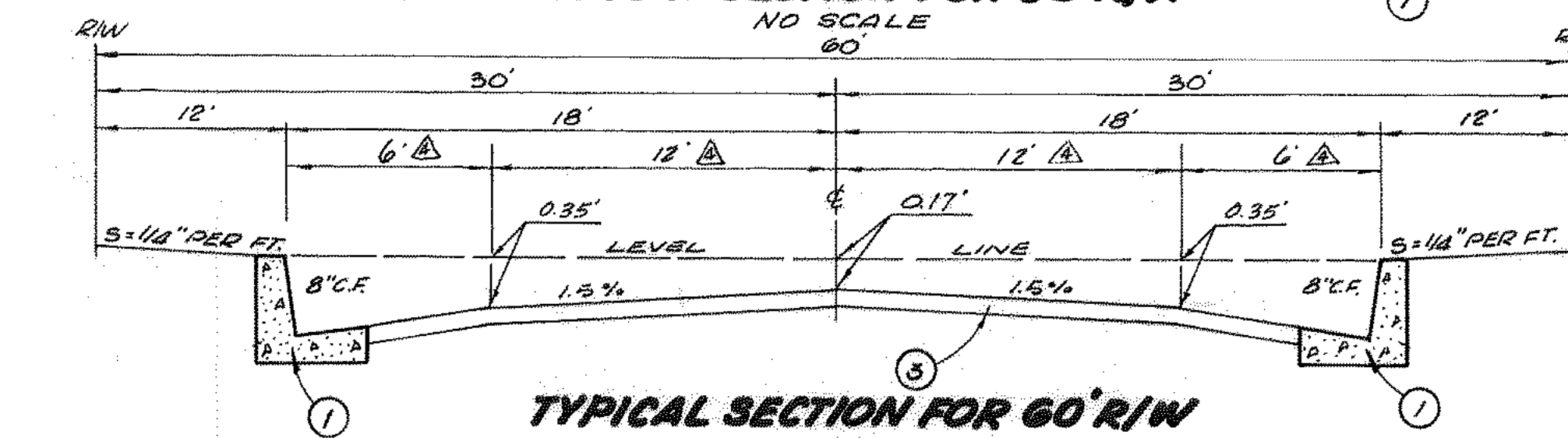
TYPICAL SECTION FOR SPRING VALLEY PARKWAY

NO SCALE



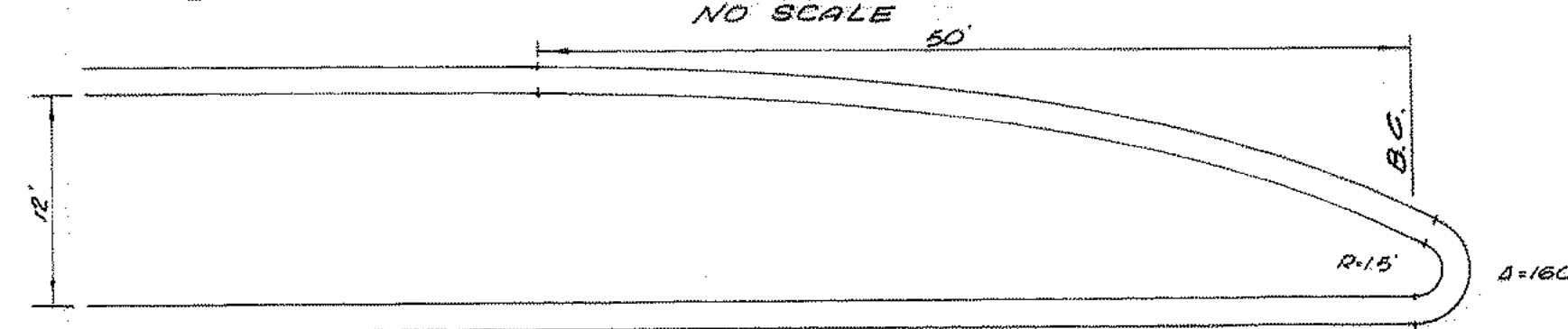
TYPICAL SECTION FOR 66' R/W

NO SCALE



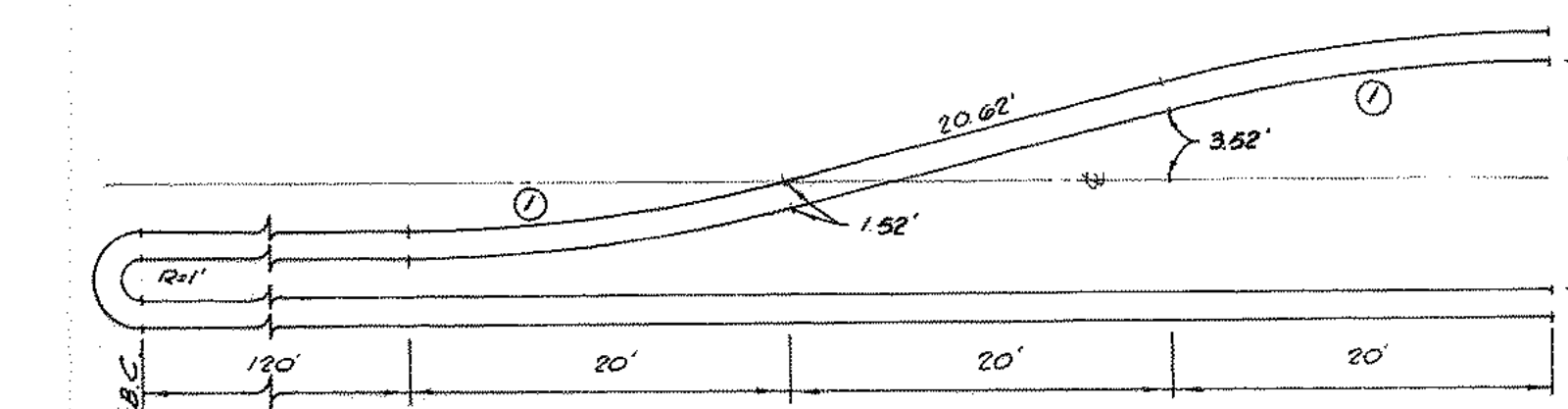
TYPICAL SECTION FOR 60' R/W

NO SCALE



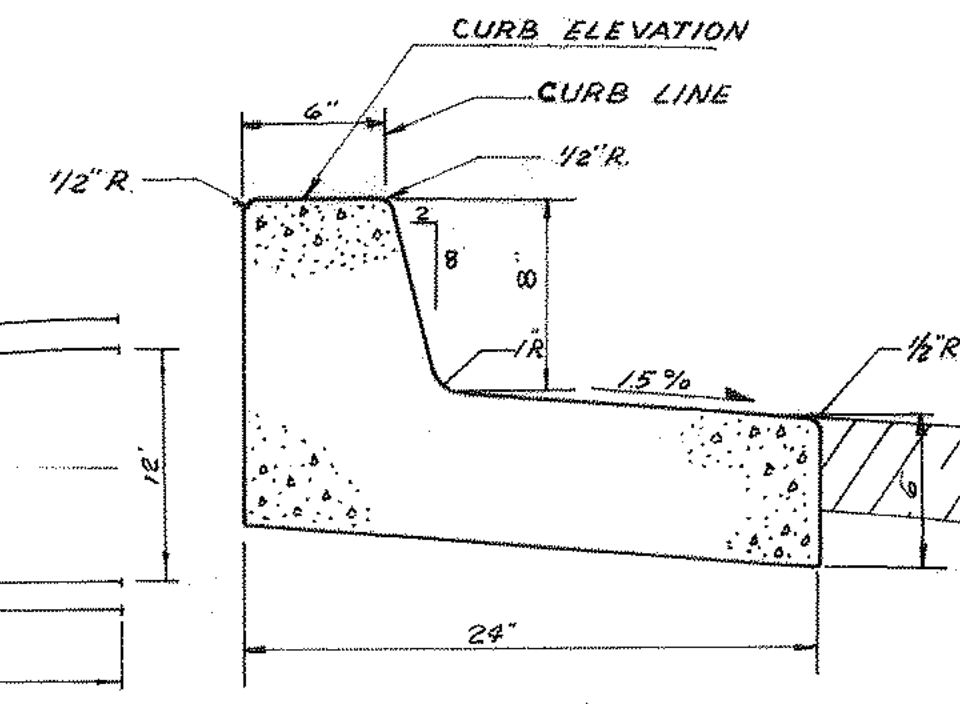
PARABOLIC FLARE TRANSITION

SCALE: 1" = 10'



LEFT TURN POCKET

SCALE: 1" = 10'



MODIFIED CURB & GUTTER DETAIL

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND THE 1996 STANDARD SPECIFICATIONS OF THE COUNTY OF SAN BERNARDINO.
- EXISTING MARK: 0.3 MILE SOUTH OF INTERSECTION BEAR VALLEY ROAD AND A.T. & P.F. 44.2' WEST OF W/RAIL OF W/TRACT, 11 FT. SOUTH OF TEL. POLE 41641 - ELEV. 2983.144.
- AT THE COMPLETION OF ROUGH GRADING A MATERIAL REPORT AND THE PROPOSED STRUCTURAL SECTION SHALL BE SUBMITTED BY THE TRACT ENGINEER TO THE SUBDIVISION SECTION OF THE SAN BERNARDINO COUNTY ROAD DEPARTMENT FOR REVIEW AND EVALUATION. APPROVAL WILL BE GRANTED WHEN ALL STRUCTURAL SECTION REQUIREMENTS HAVE BEEN MET.
- A PERMIT WILL BE REQUIRED FROM THE SAN BERNARDINO COUNTY ROAD DEPARTMENT PRIOR TO ANY ENCROACHMENT OR CONSTRUCTION WITHIN THE ROAD DEPARTMENT'S EASEMENTS OR RIGHTS OF WAYS.
- WHEN THE ROADBED HAS BEEN GRADED TO THE APPROXIMATE ELEVATION AND CROSS SECTION, ALL ROCKS AND LUMPS OVER 2 1/2 INCHES IN SIZE AND OTHER UNDESIRABLE MATERIALS SHALL BE REMOVED FROM THE UPPER 6" OF ROADBED AND DISPOSED OF IN A MANNER OF THE ABOVE REQUIREMENTS. THE CONTRACTOR MAY FURNISH AS AN ALTERNATE 2 1/2" OF CLASS 2A.B. AS A COVER UPON WHICH TO PREPARE THE SUBGRADE.
- WHEN THE BASEMENT MATERIAL IS TO RECEIVE PAVING IT SHALL HAVE A MINIMUM R-VALUE OF - See Rd. Struct. Sect. Table.
- STREET MARKERS PER SAN BERNARDINO COUNTY STD. NO. 303 AND NO. 303A SHALL BE CONSTRUCTED AT EACH INTERSECTION.
- ALL PIPE LINES OR SUBSTRUCTURES OF ANY KIND (AND TELEPHONE OR POWER POLES, WATER METERS, VALVES, HYDRANTS, ETC., SHOWN OR NOT SHOWN ON THESE PLANS WITHIN THE LIMITS OF THIS SUBDIVISION OR IN ADJACENT AREAS WHERE IMPROVEMENT WORK IS TO BE DONE SHALL BE REMOVED OR RELOCATED AS REQUIRED AT NO COST TO THE SAN BERNARDINO COUNTY ROAD DEPARTMENT.
- WHEN CURB DEPRESSIONS ARE PROVIDED FOR DRIVEWAYS, COMPLETE DRIVEWAY CONSTRUCTION WILL BE REQUIRED IN ACCORDANCE WITH COUNTY ROAD DEPARTMENT STANDARD DRAWING NO. 128 AND RELATED SPECIFICATIONS.
- COMPACTION TESTS OF EMBANKMENT CONSTRUCTION, TRENCH, BACKFILL, AND ALL SUBGRADES SHALL BE PERFORMED AT NO COST TO SAN BERNARDINO COUNTY, AND A WRITTEN REPORT SHALL BE SUBMITTED TO THE CONTRACTS ADMINISTRATION DIVISION OF THE COUNTY ROAD DEPARTMENT FOR APPROVAL, PRIOR TO THE PLACEMENT OF BASE MATERIALS AND/OR SURFACING.
- A materials report shall be submitted to the San Bernardino County Road Department at the completion of paving for verification of the paving and base specification and construction tolerances.
- T.B.M. TOP 2" I.P. NORTHEAST CORNER LOT 73 IN TRACT NO. 8097 ELEV. 2878.79
- ALL LOTS SHALL BE GRADED TO PRECLUDE PONDING.
- ROCKS FOR GRAVELLED RIP-RAP SHALL BE PLACING CLARS WITH METHOD "B" PLACEMENT PER SECTION 72-5 OF STANDARD SPECIFICATIONS, JANUARY 1983, STATE OF CALIFORNIA DEPT. OF PUBLIC WORKS, DIVISION OF HIGHWAYS. CONCRETE MAY BE SUBSTITUTED FOR THE GRAVEL.
- FLOOR OF CATCH BASIN SHALL SLOPE FROM ALL WALLS TO THE OUTLET SLOPE PARALLEL WITH CURB SHALL BE 1 TO 10 FOR X > 10' UNLESS OTHERWISE SHOWN ON PLAN. FOR X > 10' THE UPSTREAM END "V" DEPTH SHALL BE EQUAL TO THE CURB FACE PLUS 12 INCHES UNLESS OTHERWISE SHOWN ON PLAN.

PLANS PREPARED BY:
McINTIRE & QUIROS INC.
670 MONTEREY PASS RD. MONTEREY PARK, CALIF.

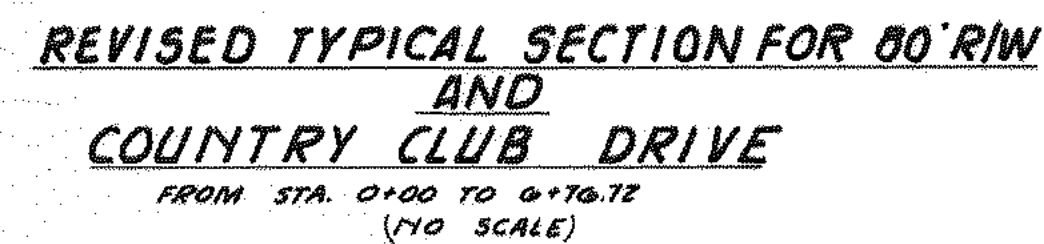
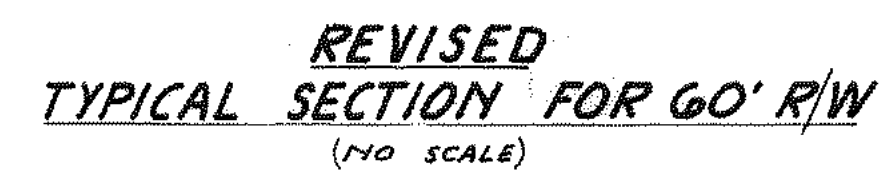
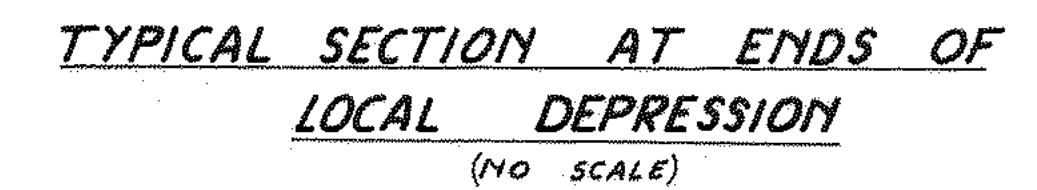
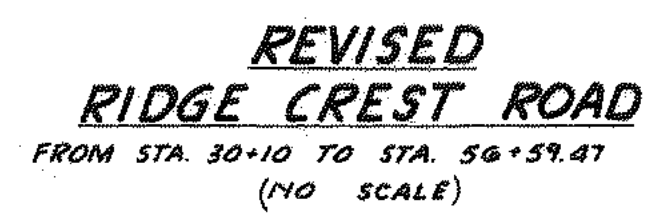
BY: G.M. CUMBEY
SIGNATURE: [Signature] R.E. NO. 14297

COUNTY OF SAN BERNARDINO
ROAD DEPARTMENT

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]
RECOMMENDED BY: [Signature]
CHIEF DESIGN ENGINEER
APPROVED BY: [Signature]
COUNTY ENGINEER

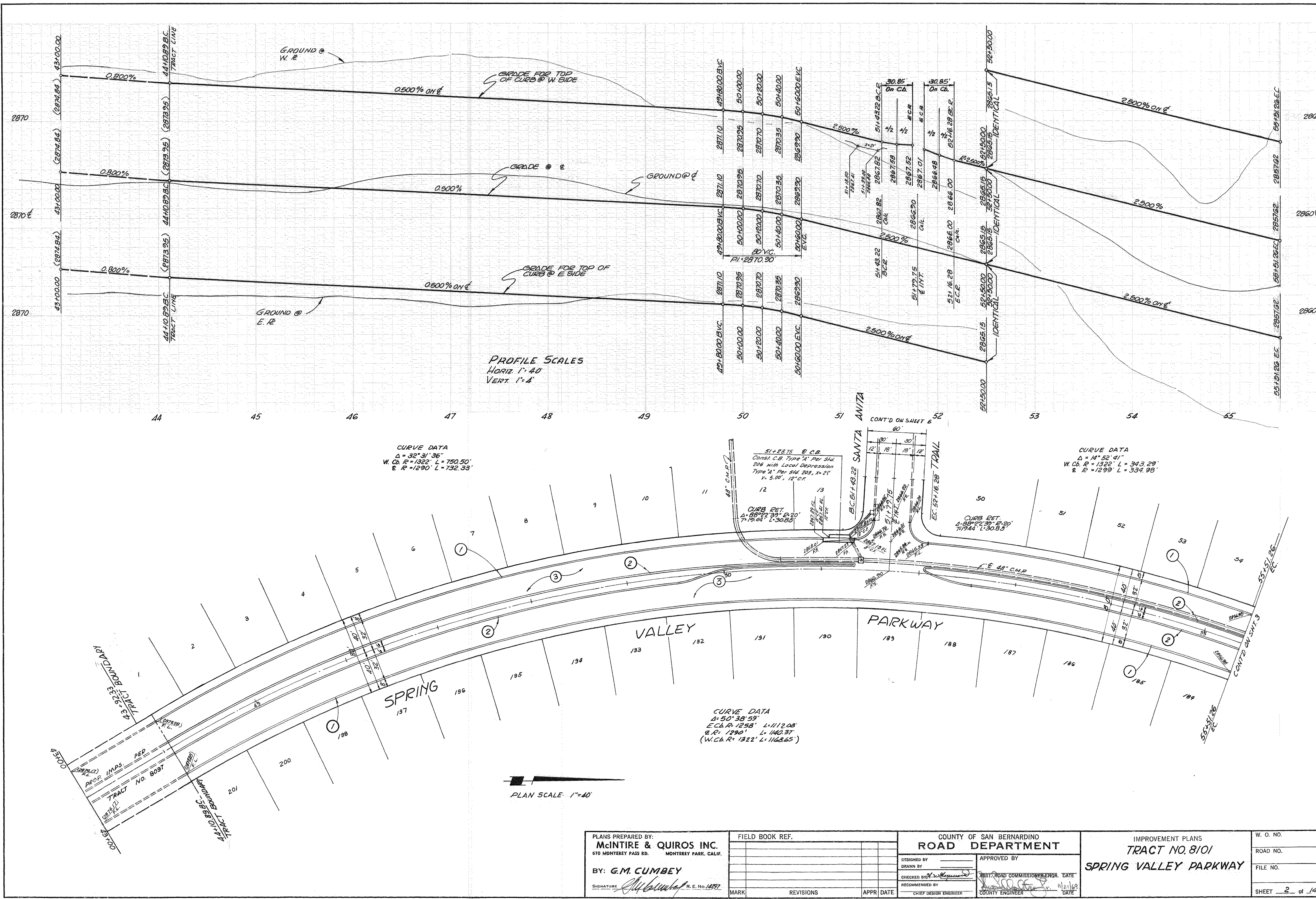
IMPROVEMENT PLANS
TRACT NO. 8101
TITLE SHEET

W. O. NO.
ROAD NO.
FILE NO.
SHEET 1 of 14



NOTE:
THE LONGITUDINAL JOINTS, AS REFERRED TO IN SEC. 39-G.01
OF THE STATE STANDARD SPECIFICATIONS SHALL BE
MODIFIED AS SHOWN ON THIS SHEET.

PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. A <u>Revised Typical Sections</u> <u>2wK 3/6/77</u>		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS <u>REVISED STREET SECTIONS</u> <u>SPRING VALLEY LAKE</u> <u>TRACT NO. 8101</u>		W. O. NO. ROAD NO. FILE NO. SHEET <u>1A</u> of <u>14</u>	
BY: <u>G.M. CUMBEY</u> SIGNATURE <u>[Signature]</u> R. E. No. <u>14297</u>		MARK REVISIONS APPR DATE							



CURVE DATA
 $\Delta = 32^\circ 31' 36''$
W. Cb. $R = 1322'$ $L = 750.50'$
E. $R = 1290'$ $L = 732.33'$

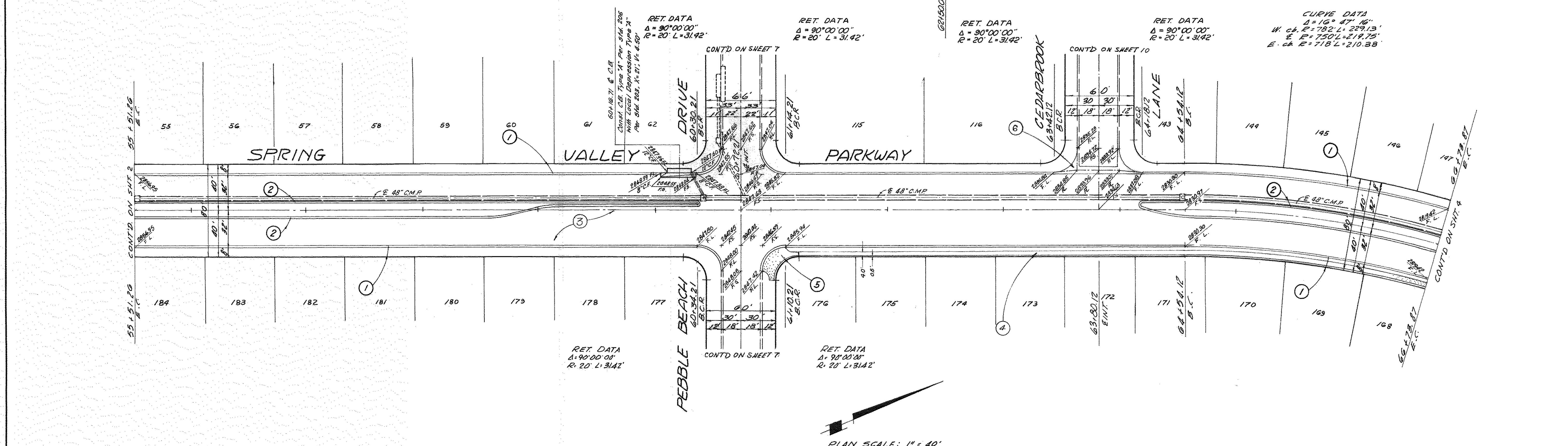
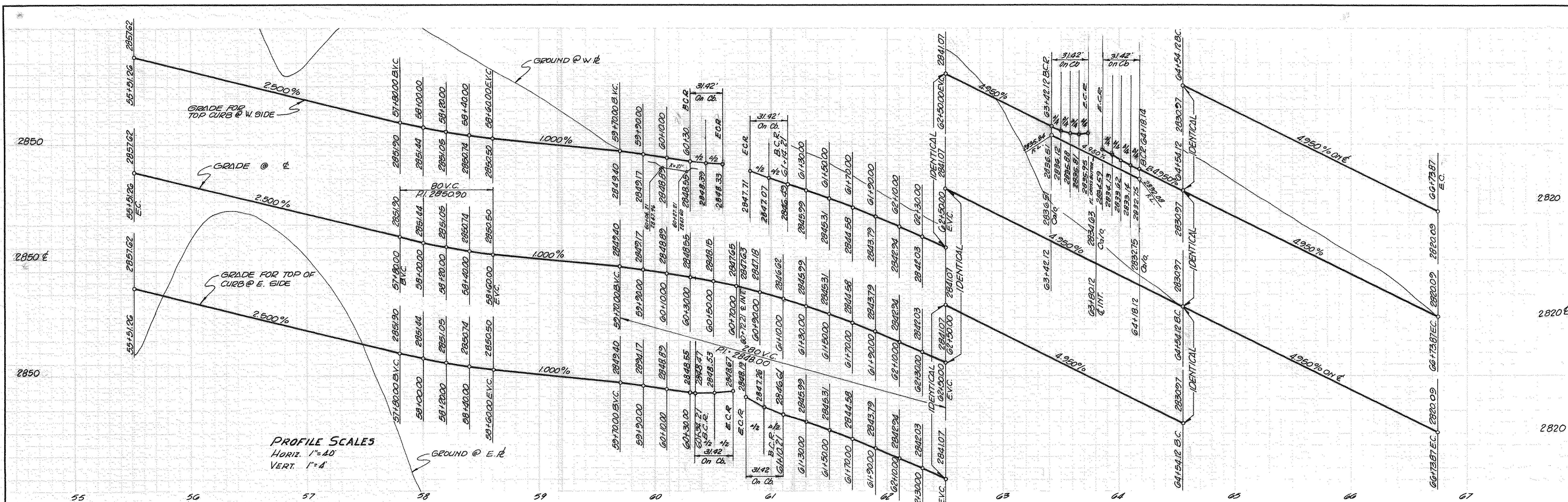
51+28.75 E.C.B.
Const. C.B. Type 'A' Per Std.
20' With Local Depression
Type 'A' Per Std. 203, $\Delta = 21'$
 $V = 5.00'$ $L = 12' C.F.$

CURVE DATA
 $\Delta = 14^\circ 52' 41''$
W. Cb. $R = 1322'$ $L = 343.29'$
E. $R = 1299'$ $L = 334.98'$

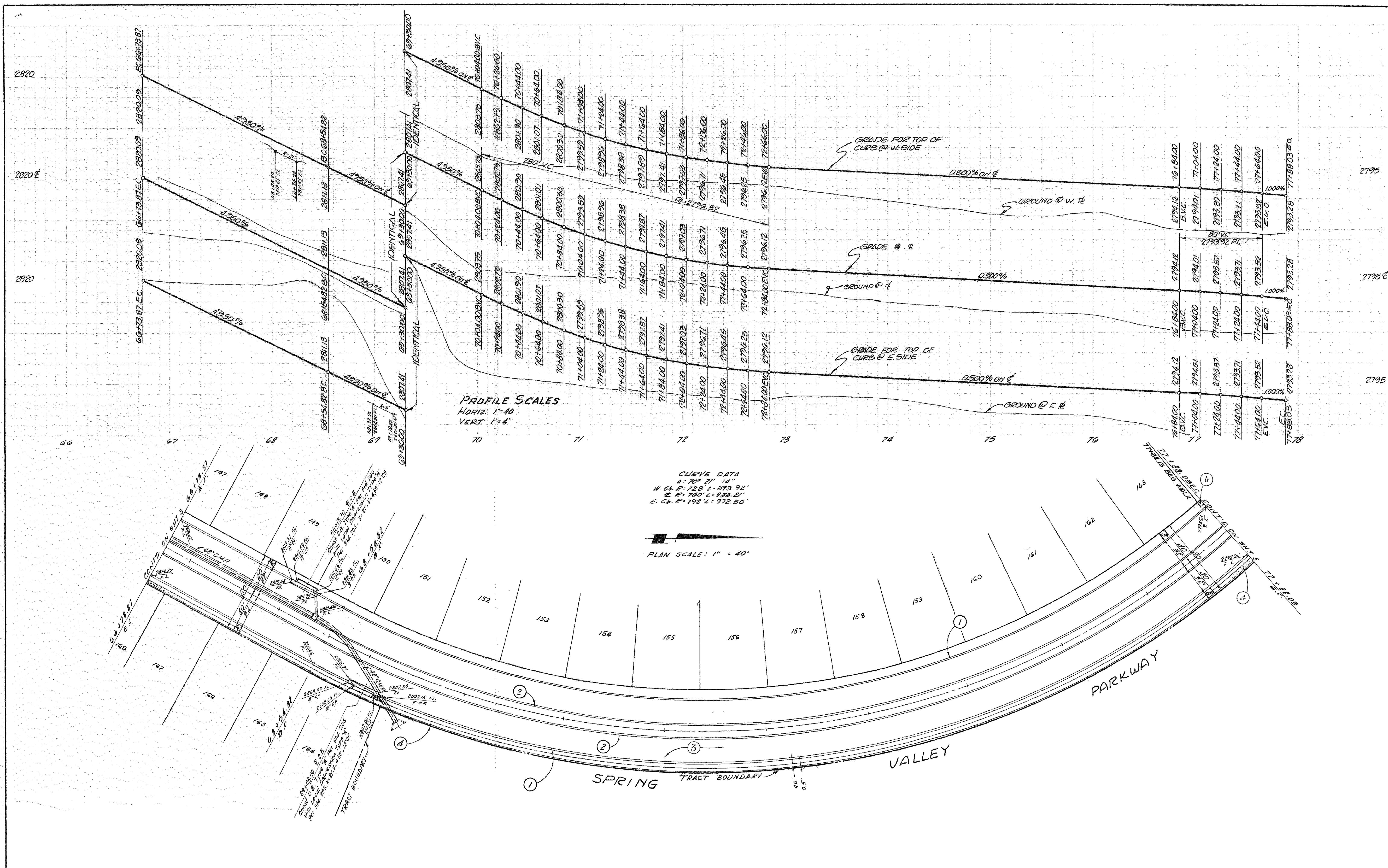
CURVE DATA
 $\Delta = 50^\circ 38' 59''$
E.C.B. $R = 1258'$ $L = 1112.08'$
E. $R = 1290'$ $L = 1140.37'$
(W.Cb. $R = 1322'$ $L = 1168.65'$)

PLAN SCALE 1"=40'

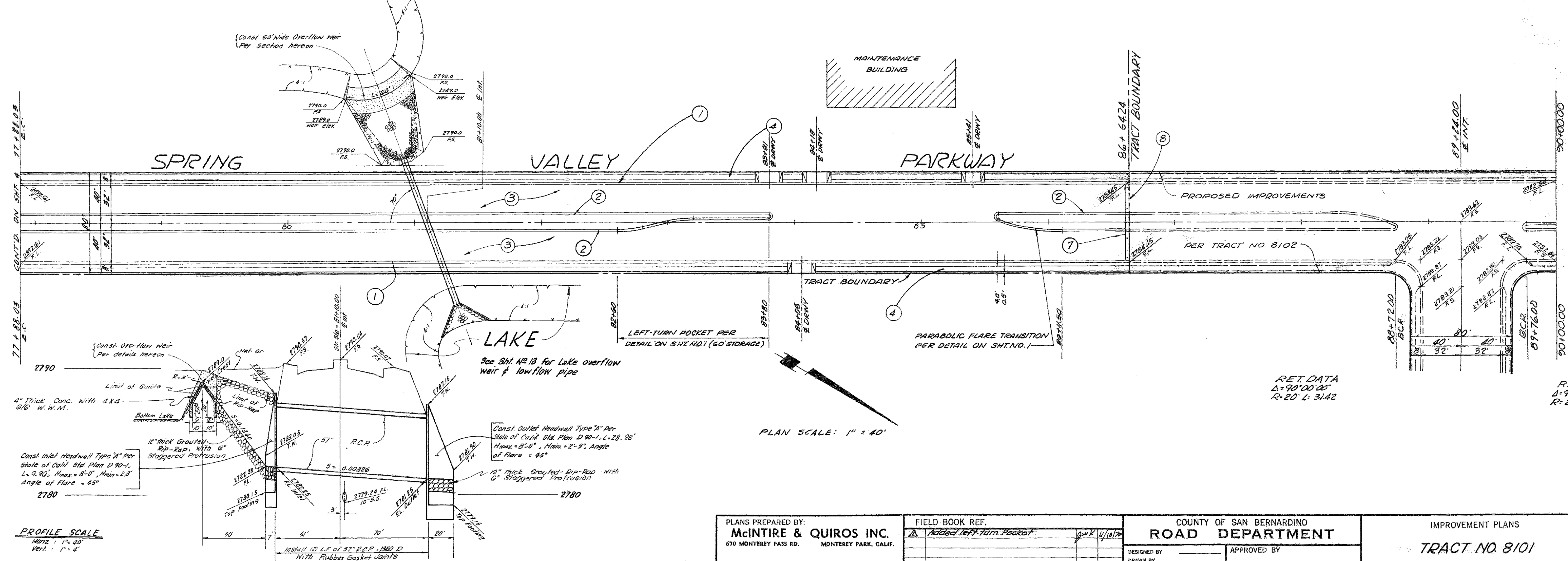
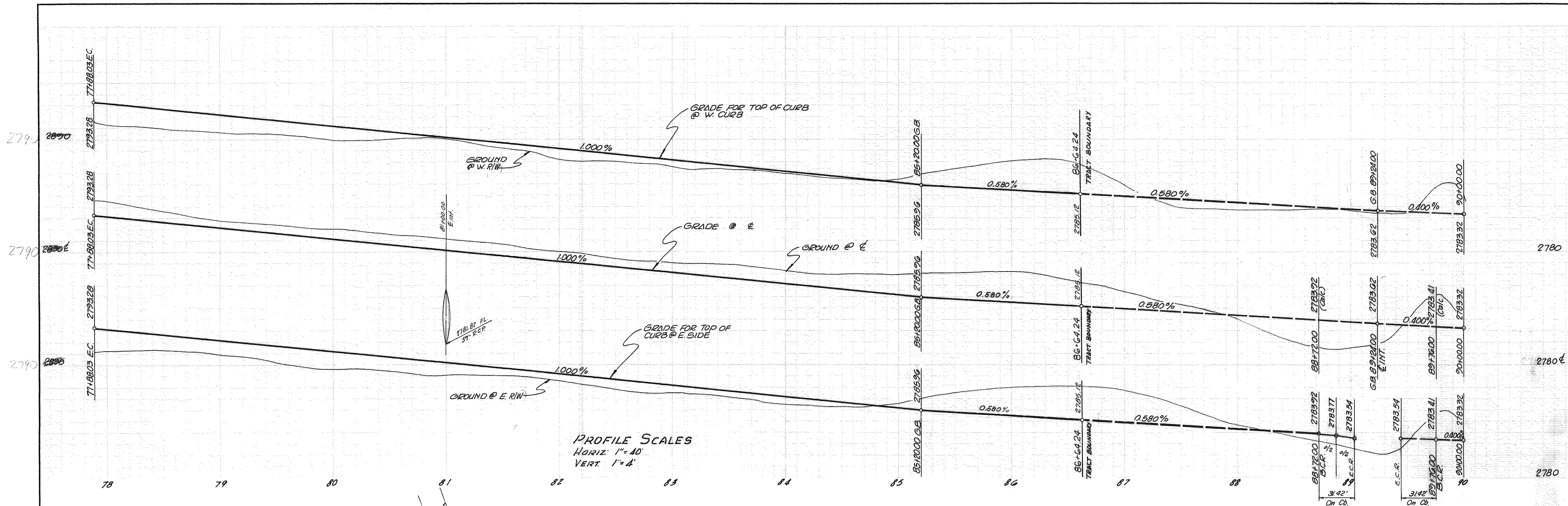
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101		W. O. NO.	
BY: G.M. CUMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
Signature: <i>G.M. Cumbe</i> R.E. No. 14877				CHECKED BY <i>[Signature]</i>		TEST. ROAD COMMISSIONER ENGR. DATE		FILE NO.	
				RECOMMENDED BY		COUNTY ENGINEER		SHEET 2 of 14	
				MARK		REVISIONS		APPR. DATE	



PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8/01 SPRING VALLEY PARKWAY		W. O. NO.	
BY: G.M. CUMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE <i>G.M. Cumbey</i> R. E. No. 1477				CHECKED BY <i>G.W. Raymond</i>		ASSY. ROAD COMMISSIONER ENGR. DATE		FILE NO.	
				RECOMMENDED BY		COUNTY ENGINEER		SHEET 3 of 14	
				CHIEF DESIGN ENGINEER		DATE			

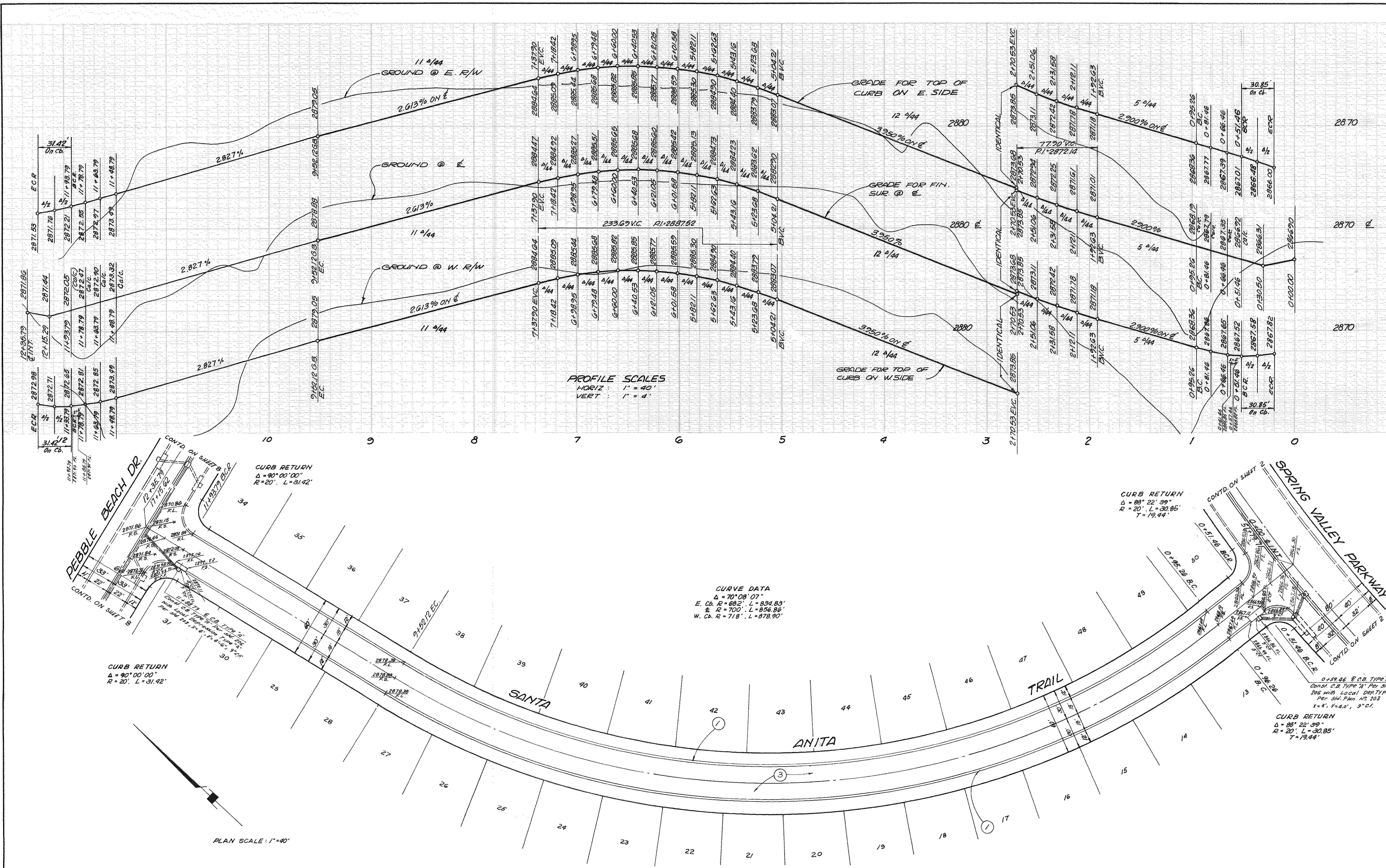


PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101 SPRING VALLEY PARKWAY		W. O. NO.
BY: G.M. CUMBEY SIGNATURE: <i>G.M. Cumbe</i> R.E. No. 14297		DESIGNED BY DRAWN BY CHECKED BY <i>R.W. Reynolds</i> RECOMMENDED BY CHIEF DESIGN ENGINEER		APPROVED BY COUNTY ENGINEER		DATE		ROAD NO. FILE NO. SHEET 4 of 14
MARK		REVISIONS		APPR DATE		DATE		

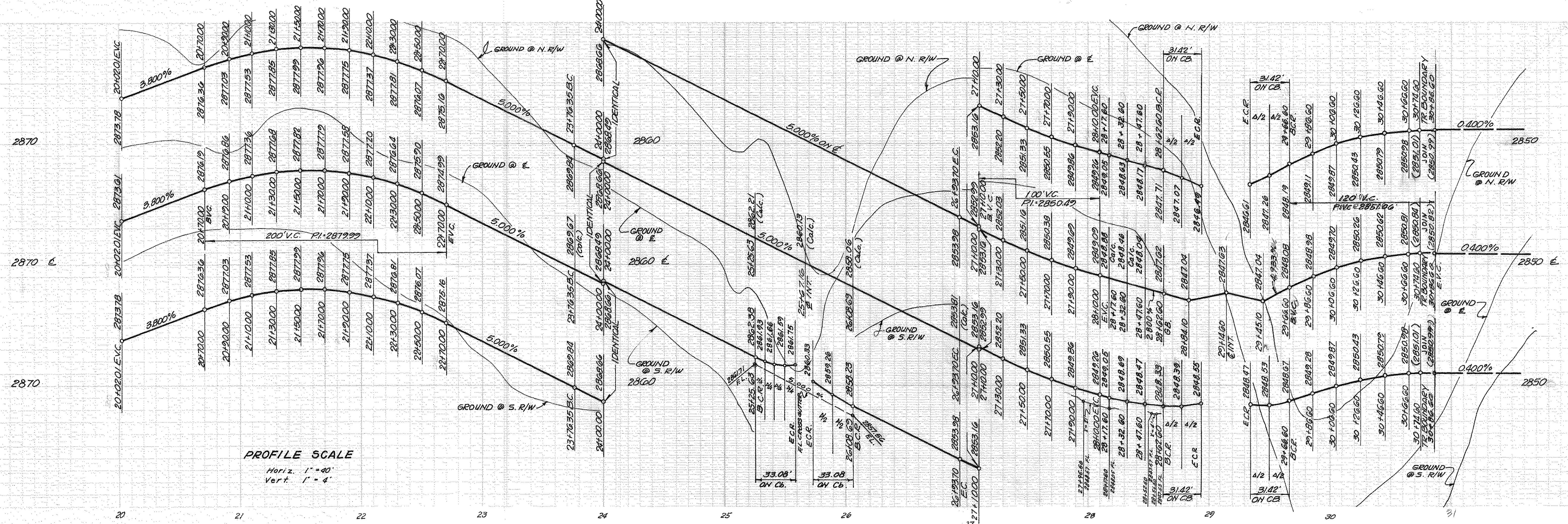


PROFILE SCALE
 Horiz. 1" = 40'
 Vert. 1" = 4'

PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. A Added Left-Turn Pocket		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101		W. O. NO. ROAD NO. FILE NO.	
BY: G.M. CUMBEY SIGNATURE: <i>[Signature]</i> R.E. No. 14297		DESIGNED BY DRAWN BY CHECKED BY: <i>[Signature]</i> RECOMMENDED BY CHIEF DESIGN ENGINEER		APPROVED BY ASST. ROAD COMMISSIONER: <i>[Signature]</i> DATE: 11/21/89 COUNTY ENGINEER: <i>[Signature]</i> DATE:		SPRING VALLEY PARKWAY		SHEET <u>5</u> of <u>14</u>	

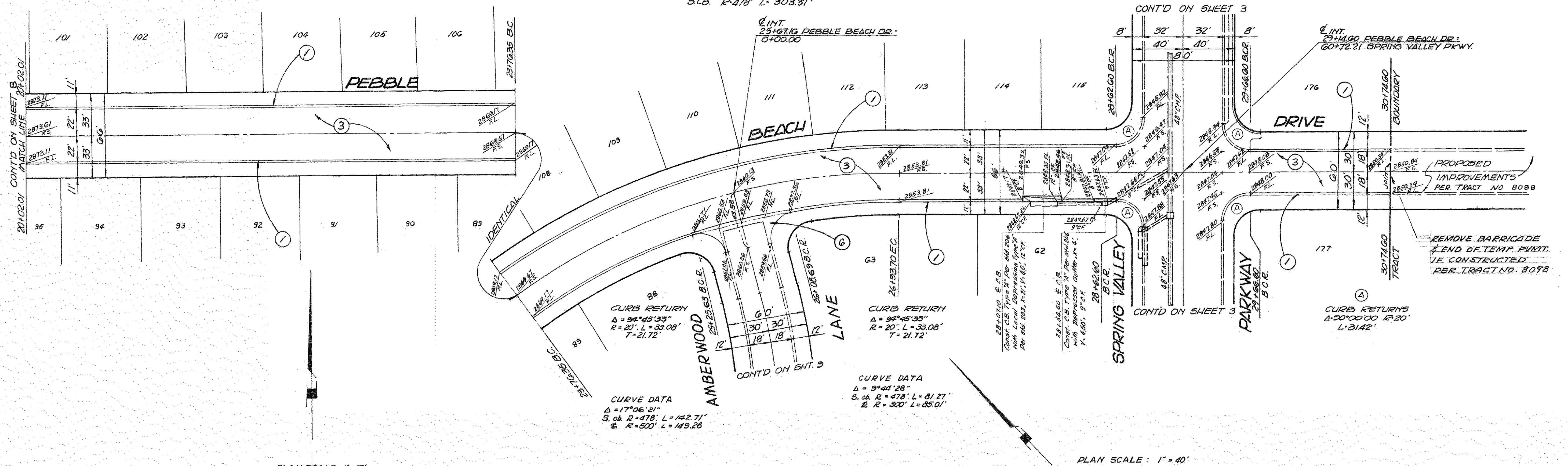


PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. 		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101 SANTA ANITA TRAIL		W. O. NO.	
BY: G. M. CUMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE: <i>[Signature]</i> R. E. NO. 14297				CHECKED BY <i>[Signature]</i>		COUNTY ENGINEER <i>[Signature]</i>		FILE NO.	
RECOMMENDED BY		MARK		REVISIONS		DATE		SHEET 6 of 14	



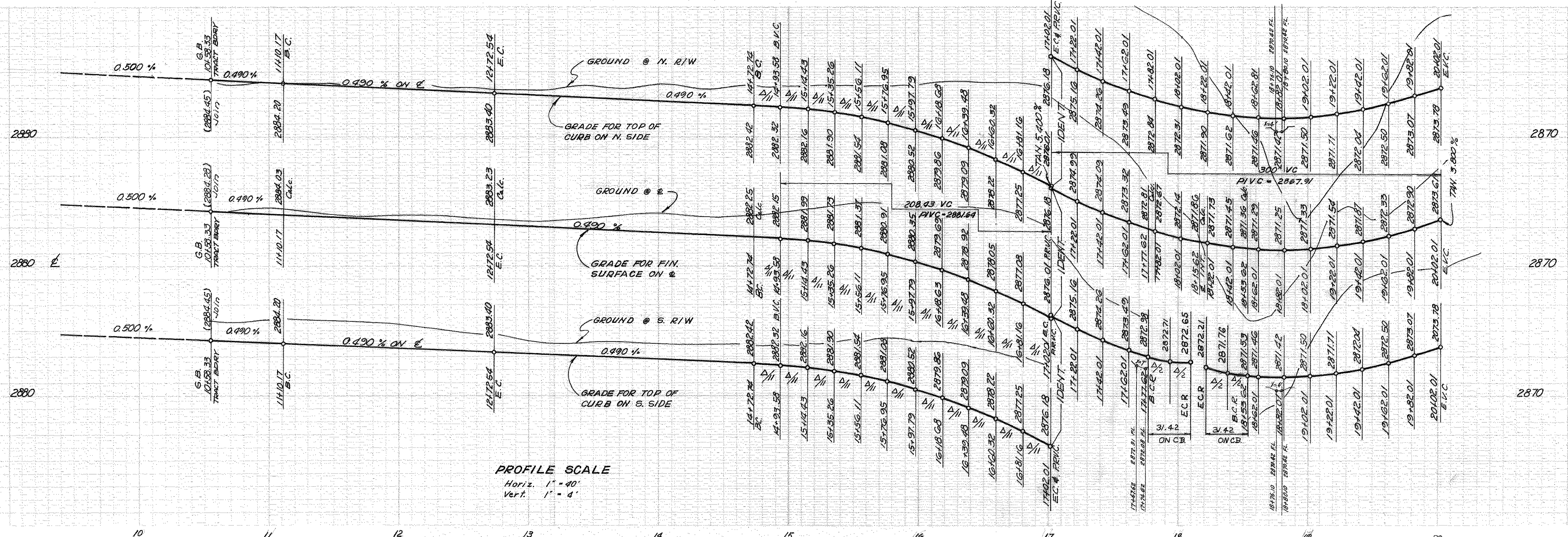
PROFILE SCALE
 Horiz. 1" = 40'
 Vert. 1" = 4'

CURVE DATA
 $\Delta = 36^\circ 21' 55''$
 N.C.B. R=522' L=331.31'
 E. R=500' L=317.35'
 S.C.B. R=478' L=303.33'



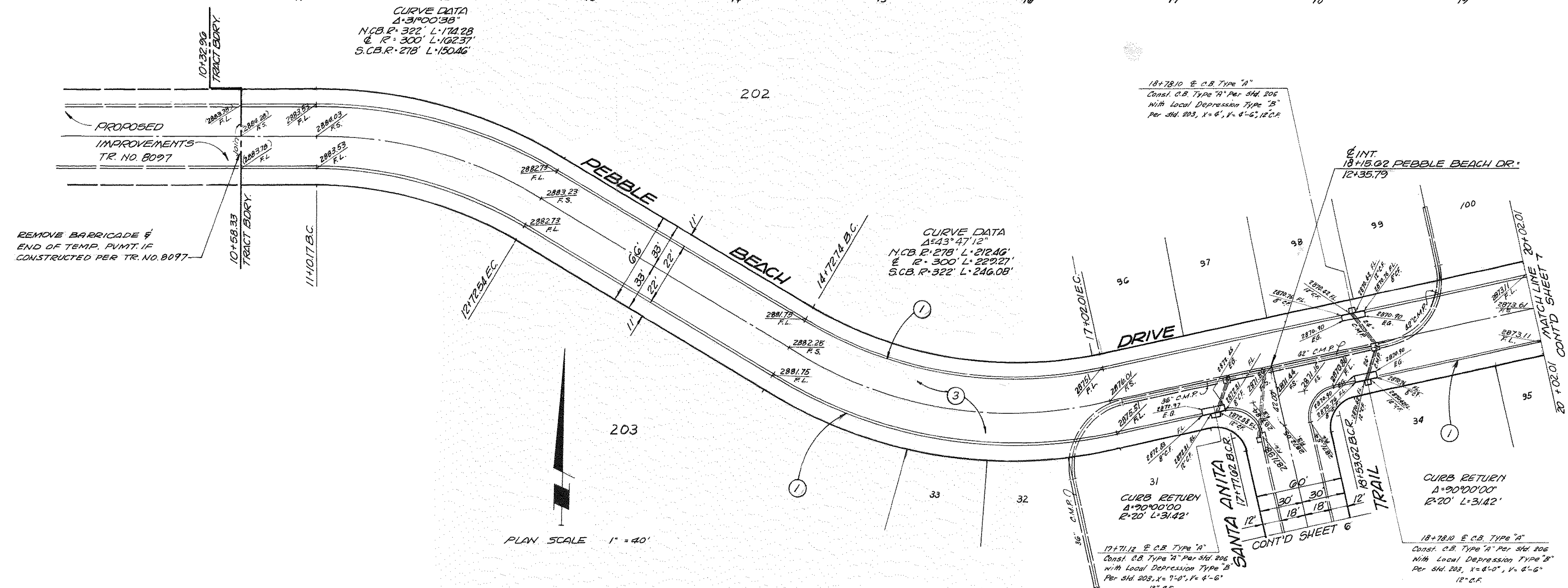
PLAN SCALE: 1" = 40'

PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101 PEBBLE BEACH DRIVE		W. O. NO.	
BY: G.M. CLIMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE: <i>[Signature]</i> R.E. No. 14297				CHECKED BY <i>[Signature]</i>		ASST. ROAD COMMISSIONER-ENGR. DATE		FILE NO.	
				RECOMMENDED BY		COUNTY ENGINEER DATE		SHEET 7 of 14	
				MARK					
				REVISIONS					
				APPR DATE					

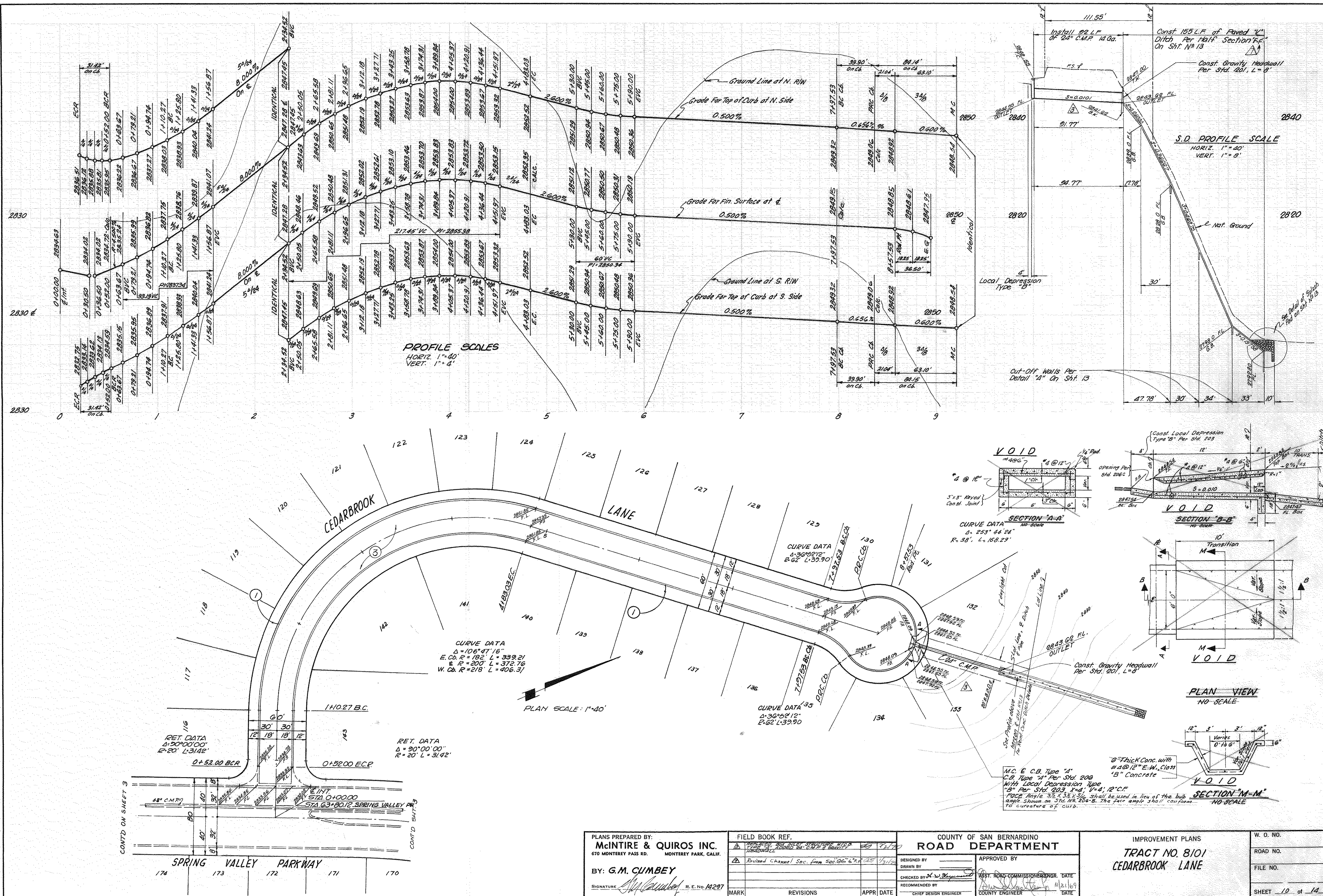


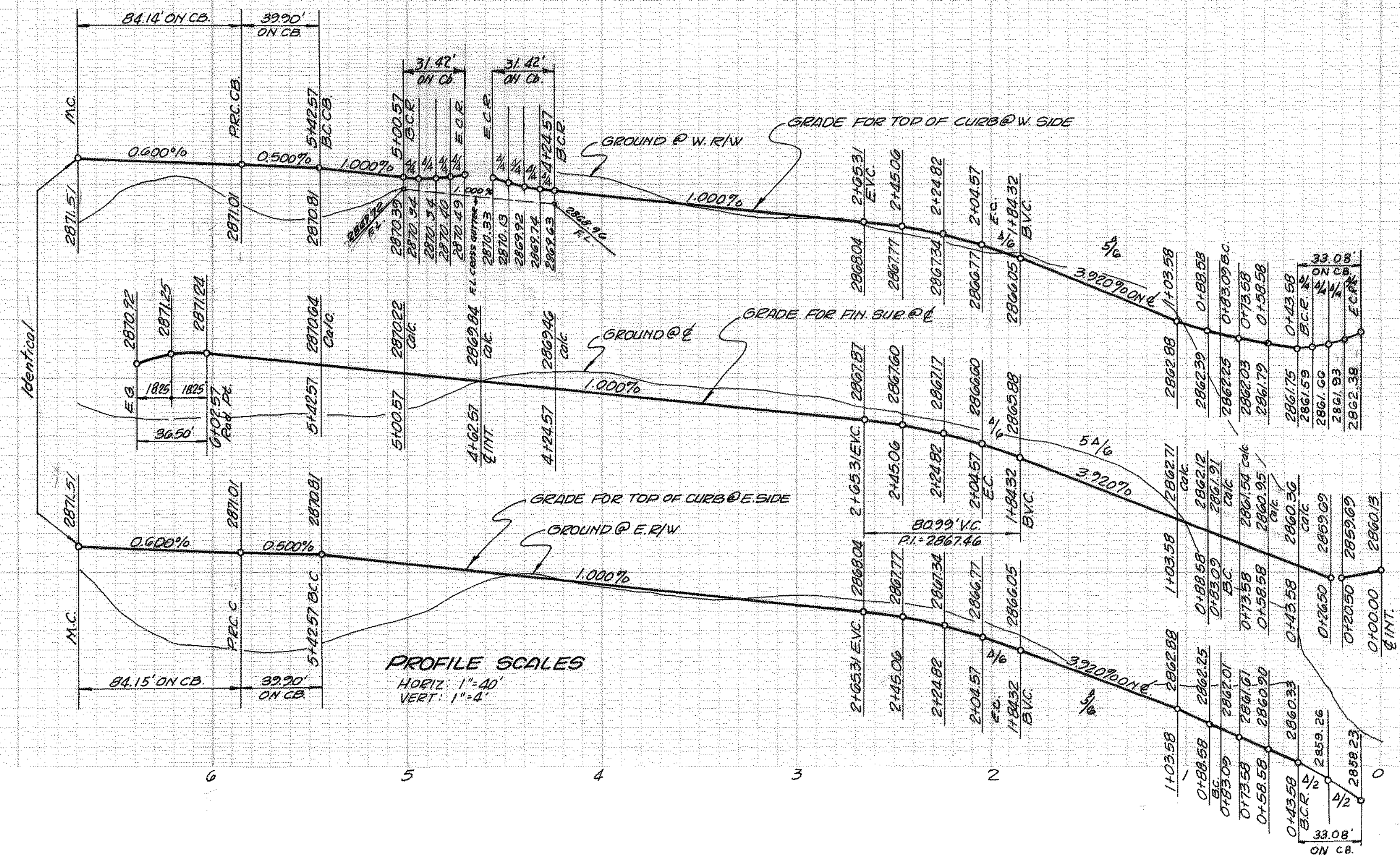
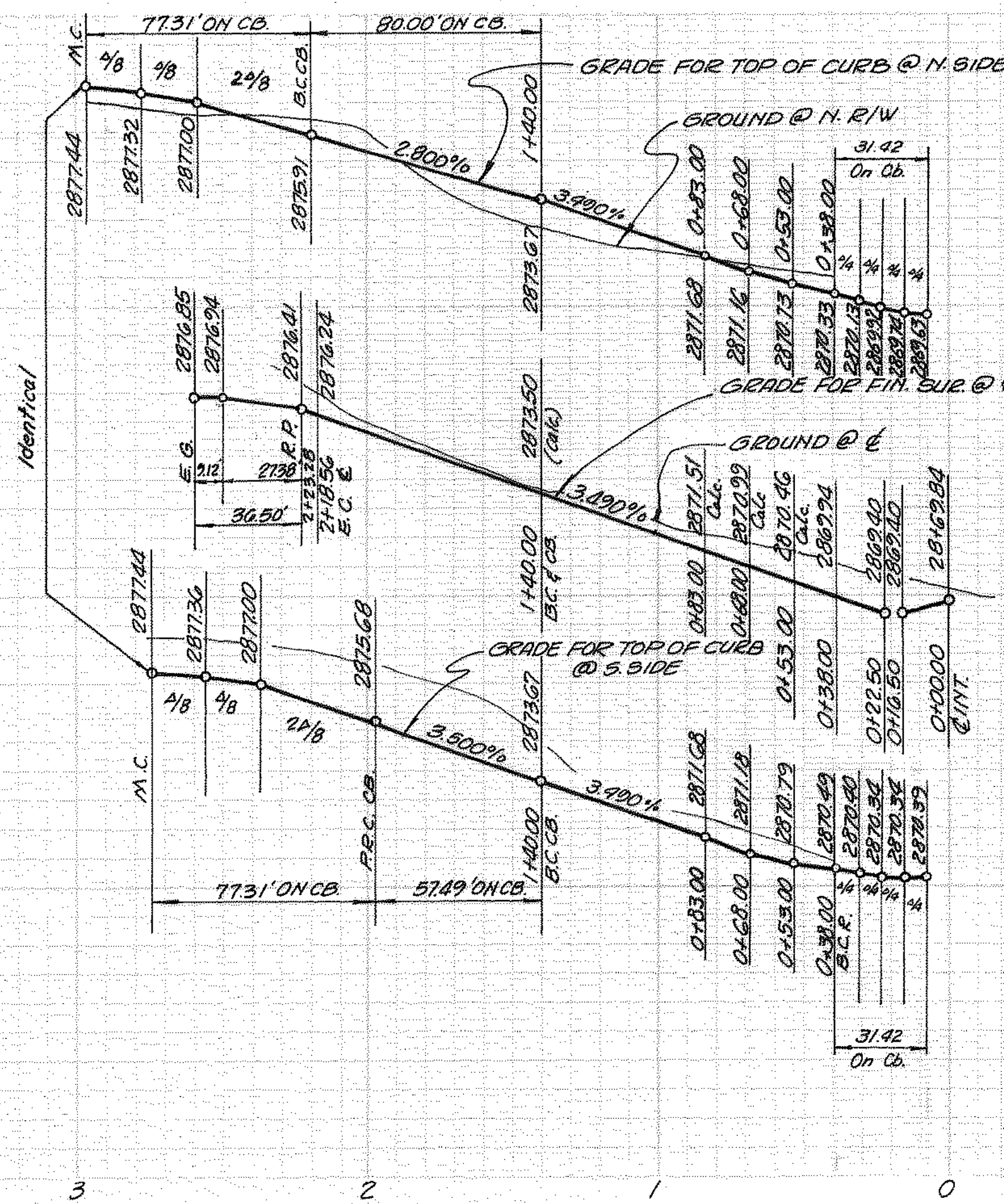
PROFILE SCALE
Horiz. 1" = 40'
Vert. 1" = 4'

CURVE DATA
Δ=31°00'36"
N.C.B. R=322' L=174.28'
E. R=300' L=162.37'
S.C.B. R=278' L=150.46'

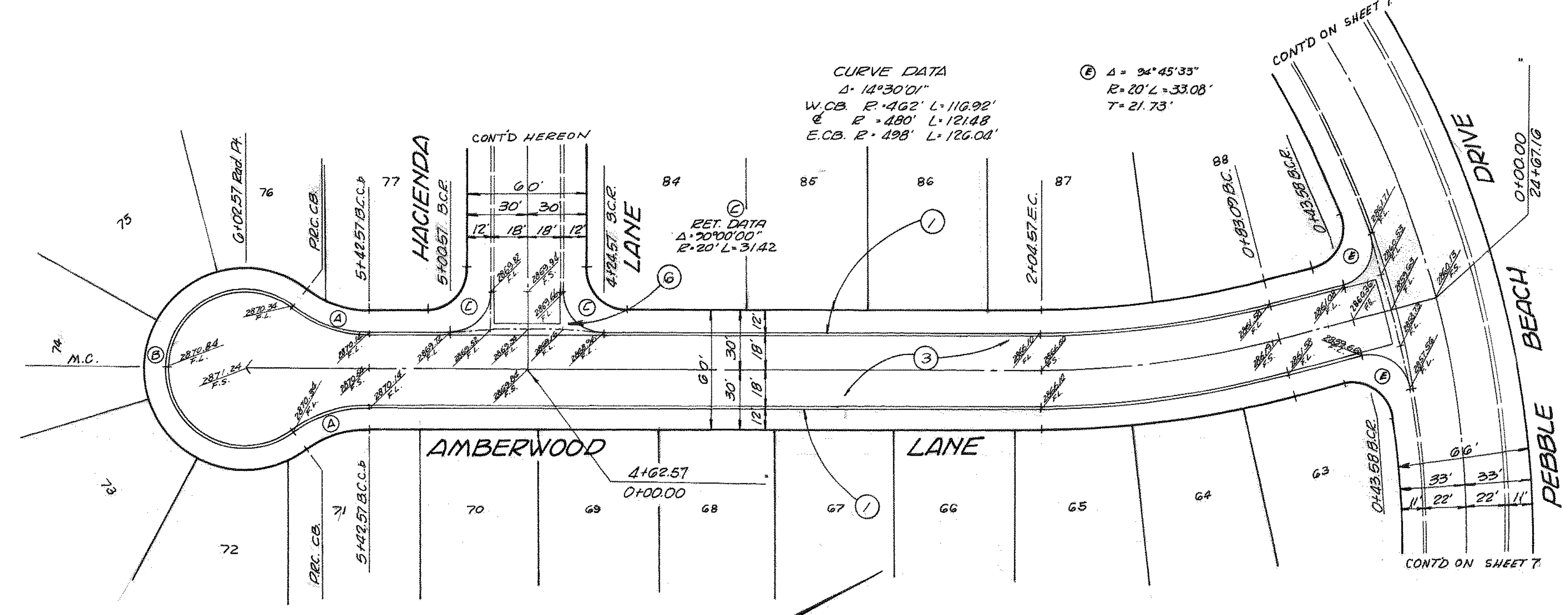
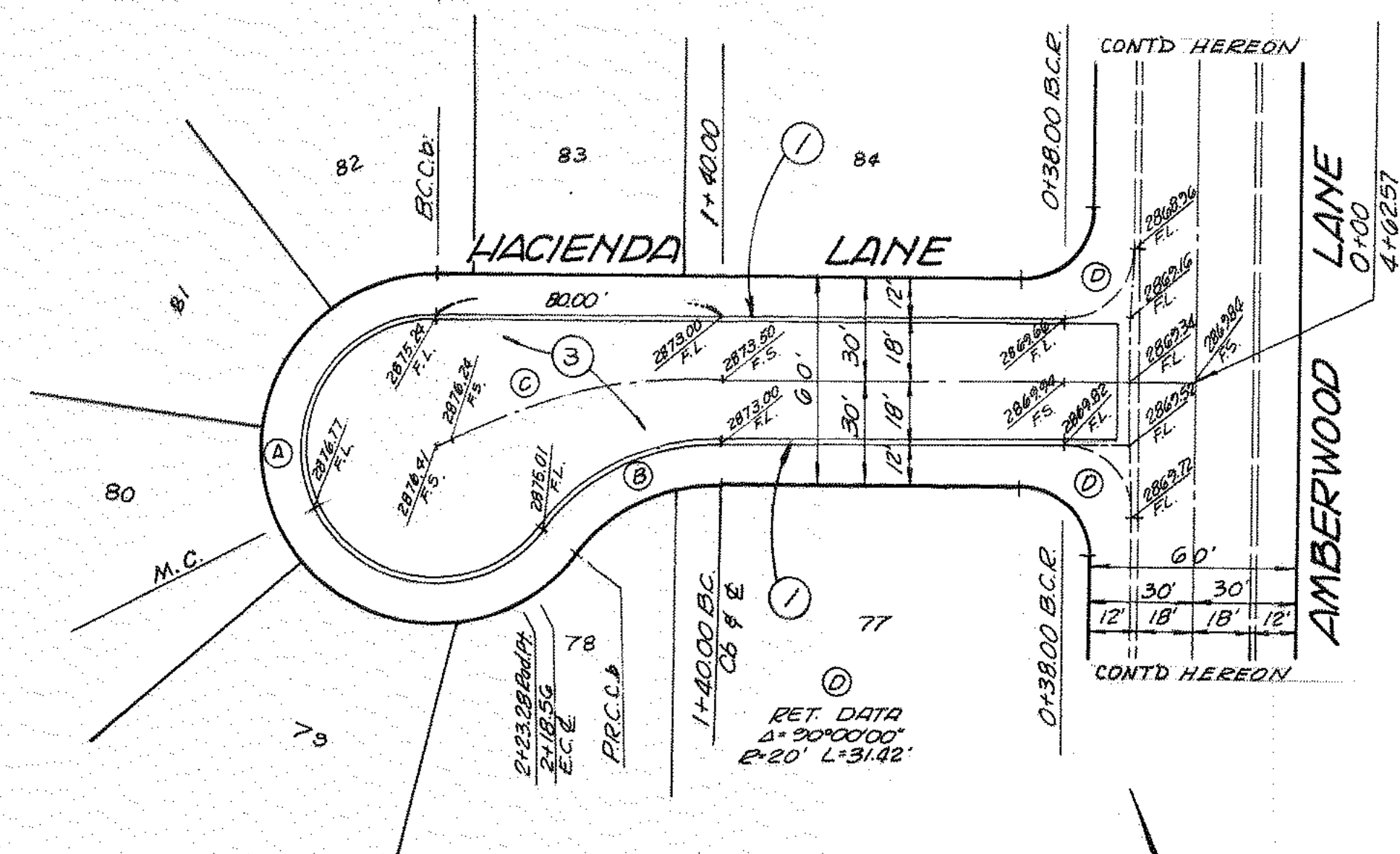


PLANS PREPARED BY: MCINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF. BY: G. M. CUMBEY SIGNATURE: <i>G. M. Cumbe</i> R.E. No. 14297	FIELD BOOK REF. 16 Changed Lateral Int to Sta 21+00.00	COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101 PEBBLE BEACH DRIVE	W. O. NO. ROAD NO. FILE NO. SHEET 8 of 14
		DESIGNED BY	APPROVED BY		
		CHECKED BY <i>G. M. Cumbe</i>	TEST. ROAD COMMISSIONER INGR. DATE		
		RECOMMENDED BY	COUNTY ENGINEER DATE		
MARK		REVISIONS	APPR. DATE		





PROFILE SCALES
HORIZ: 1"=40'
VERT: 1"=4'



CURVE DATA
A Δ=23°07'48"
Cb R=38' L=154.82'
B Δ=53°07'48"
Cb R=62' L=57.49'
C Δ=26°33'54"
Cb R=109.44' L=78.56'

CURVE DATA
A Δ=35°52'12"
Cb R=62' L=39.90'
B Δ=25°44'24"
Cb R=38' L=168.29'

PLAN SCALE: 1"=40'

PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101 HACIENDA LANE AMBERWOOD LANE		W. O. NO. ROAD NO. FILE NO.	
BY: G.M. CLUMBEY		DESIGNED BY		APPROVED BY		DATE		SHEET 9 of 14	
SIGNATURE: <i>G.M. Clumbe</i> R.E. No. 14297		CHECKED BY: <i>R. Quiros</i>		RECOMMENDED BY		DATE			
MARK		REVISIONS		APPR DATE		COUNTY ENGINEER			

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

SECTION "A-A"
NO SCALE

Const. 260 L.F. of Graded "V" Ditch,
5:1 Sides Slope Per Grading Plan
& TYP. Section "A-A" hereon

E "S.D." Curve Data
 $\Delta = 98^\circ 04' 58"$
 $R = 45'$
 $L = 69.18'$
 $T = 43.52'$
Max. Deflection 30° per Elbow

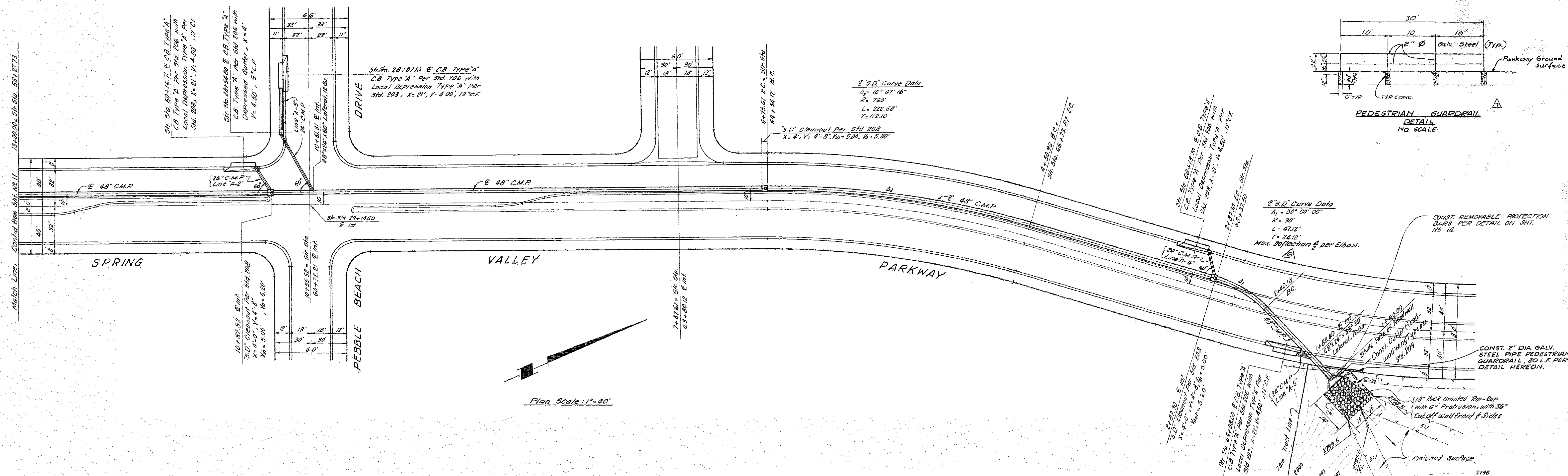
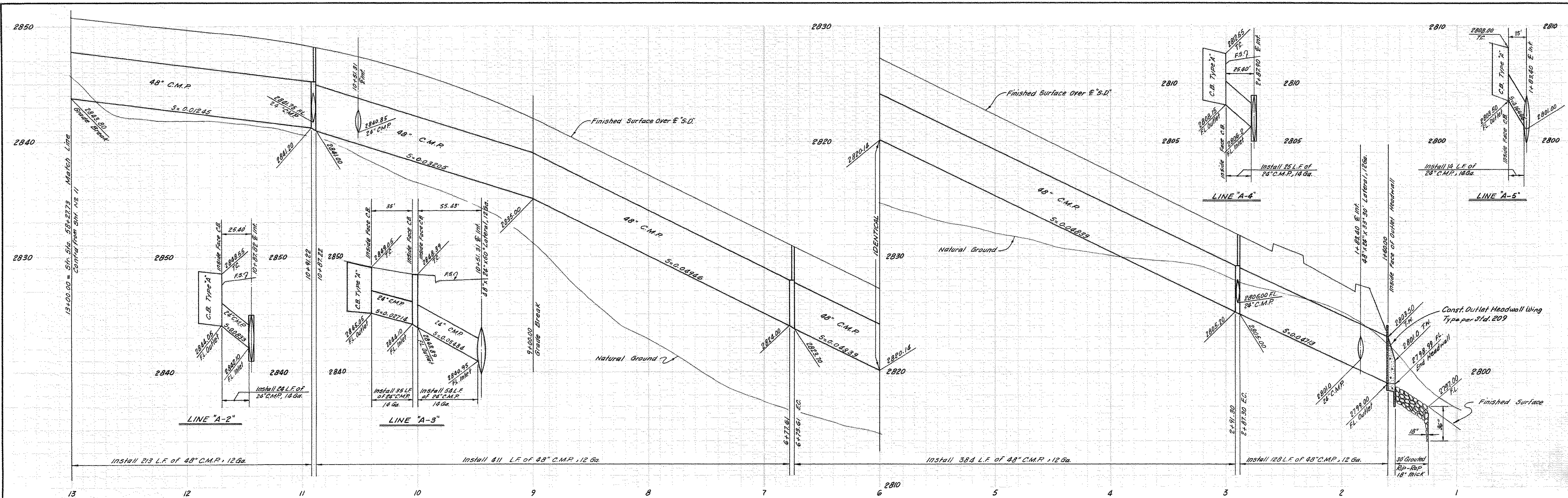
E Total "S.D." Curve Data
 $\Delta = 21^\circ 24' 43"$ $R = 1300'$
 $L = 485.82'$ $T = 245.78'$

E Partial "S.D." Curve Data
 $\Delta_1 = 3^\circ 38' 40"$ $\Delta_2 = 17^\circ 46' 03"$
 $R = 1300'$ $R = 1300'$
 $L = 83.55'$ $L = 402.27'$
 $T = 41.36'$ $T = 203.20'$

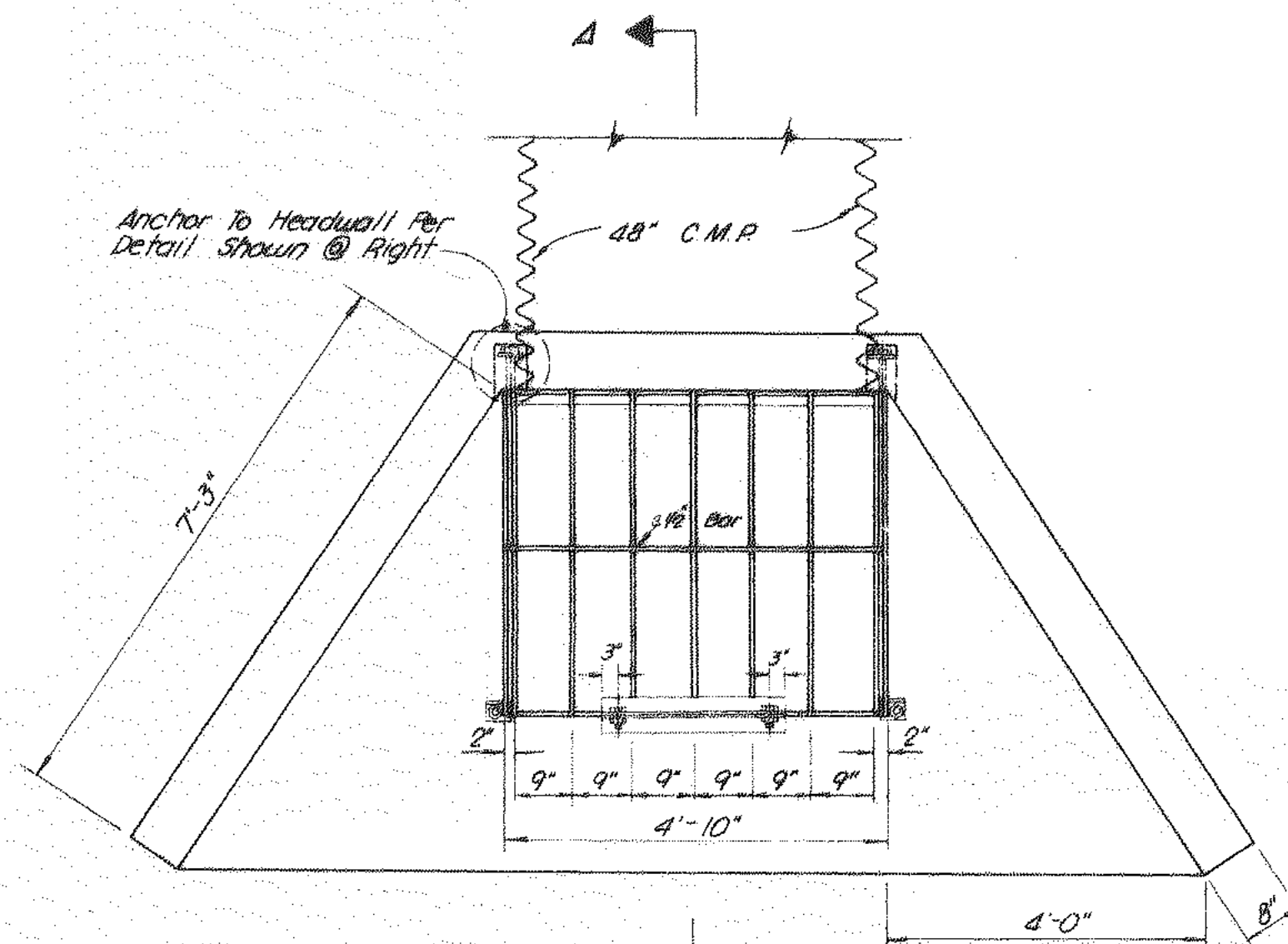
"S.D." Cleanout Per SHL Plan 208
 $X = 4'-0"$, $Y = 4'-8"$, $Vin = 5'-00"$
 $Vout = 5'-20"$

Plan Scale: 1" = 40'

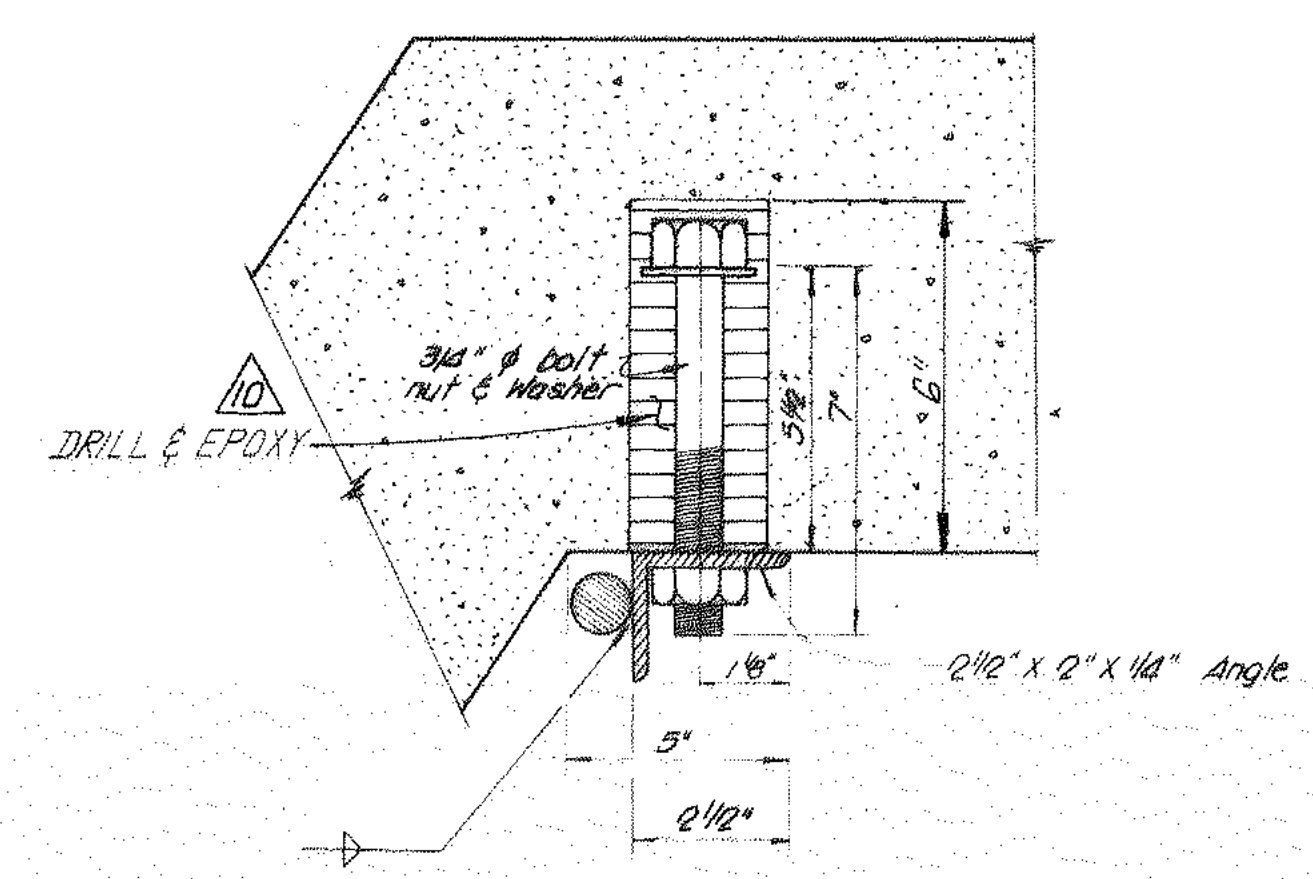
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. Added maximum deflection note 2/15/10		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101 SPRING VALLEY PARKWAY STORM DRAIN		W. O. NO. ROAD NO. FILE NO. SHEET 11 of 14	
BY: G. M. CUMBEY Signature: <i>G. M. Cumbe</i> R.E. No. 14297		DESIGNED BY CHECKED BY <i>H. W. [Signature]</i> RECOMMENDED BY CHIEF DESIGN ENGINEER		APPROVED BY SEAL: ROAD COMMISSIONER ENGR. DATE COUNTY ENGINEER DATE					
MARK		REVISIONS		APPR. DATE					



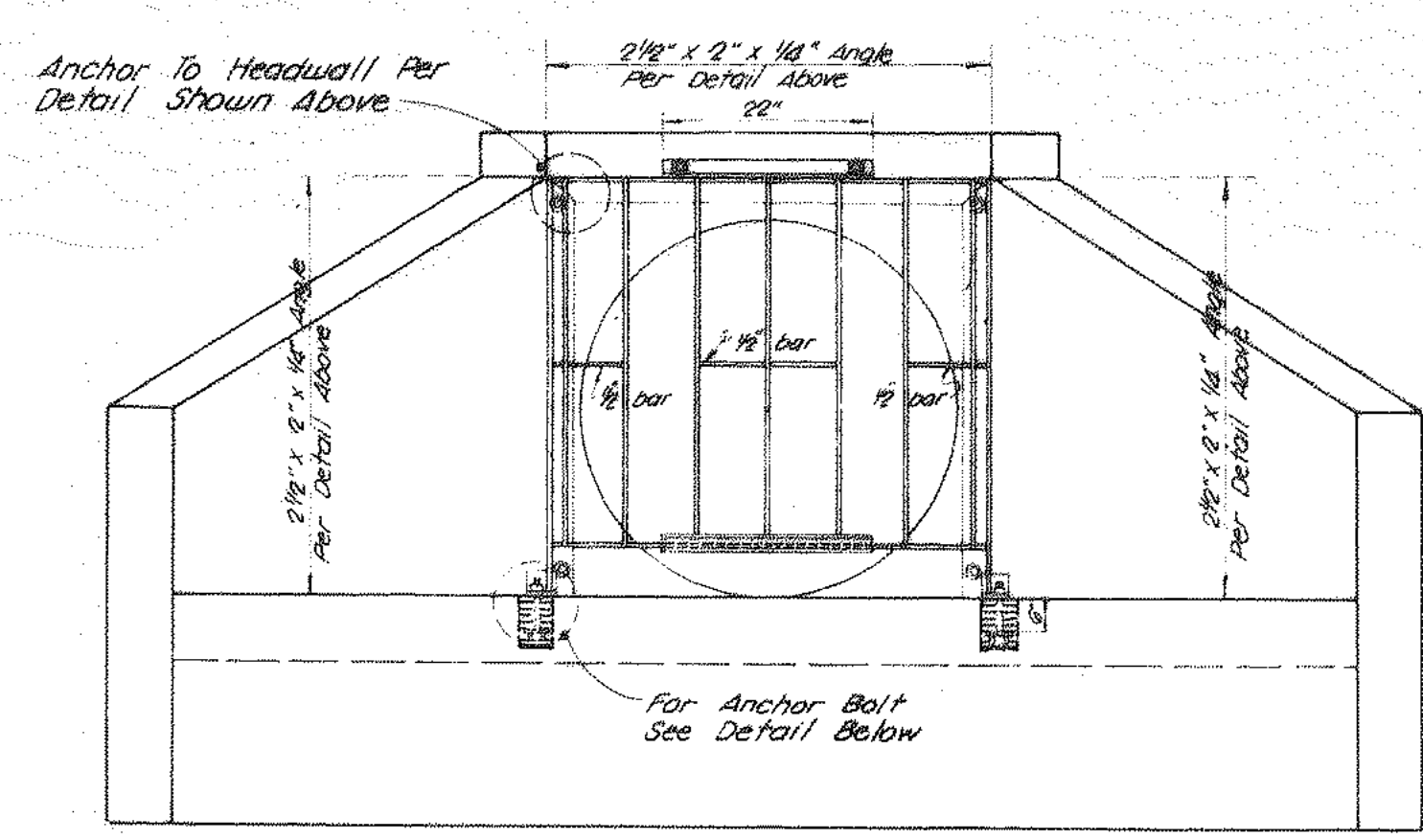
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. Added maximum deflection note Added PEDESTRIAN GUARDRAIL DETAIL		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO 8101 SPRING VALLEY PARKWAY STORM DRAIN		W. O. NO. ROAD NO. FILE NO.	
BY: G. M. CUMBEY SIGNATURE: <i>G. M. Cumbe</i> R. E. NO. 14297		DESIGNED BY DRAWN BY CHECKED BY <i>G. M. Cumbe</i> RECOMMENDED BY CHIEF DESIGN ENGINEER		APPROVED BY ASST. ROAD COMMISSIONER ENGR. DATE COUNTY ENGINEER DATE		SHEET 12 of 14			



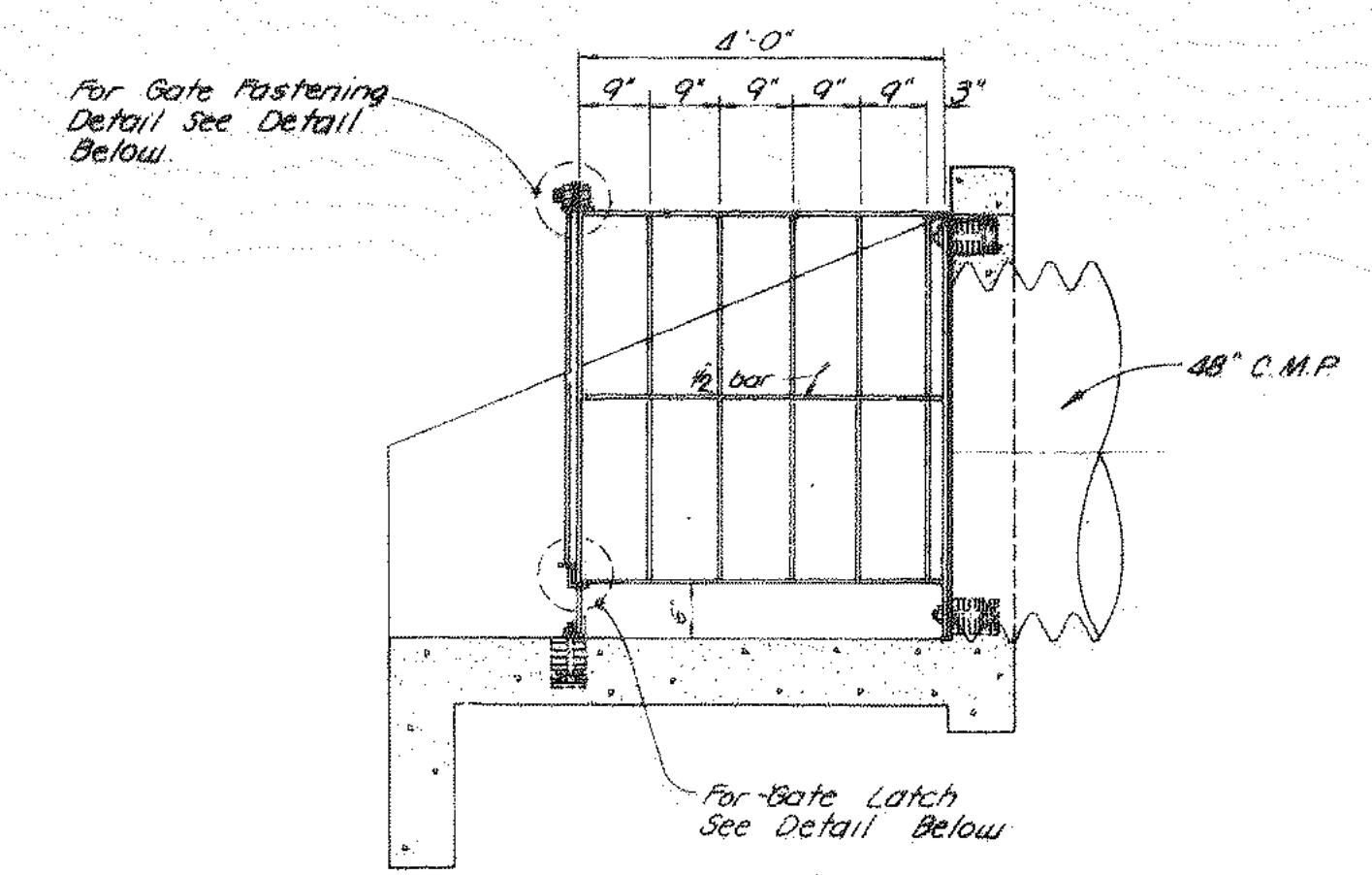
PLAN
NO SCALE



HEADWALL ANCHOR BOLT DETAIL
NO SCALE

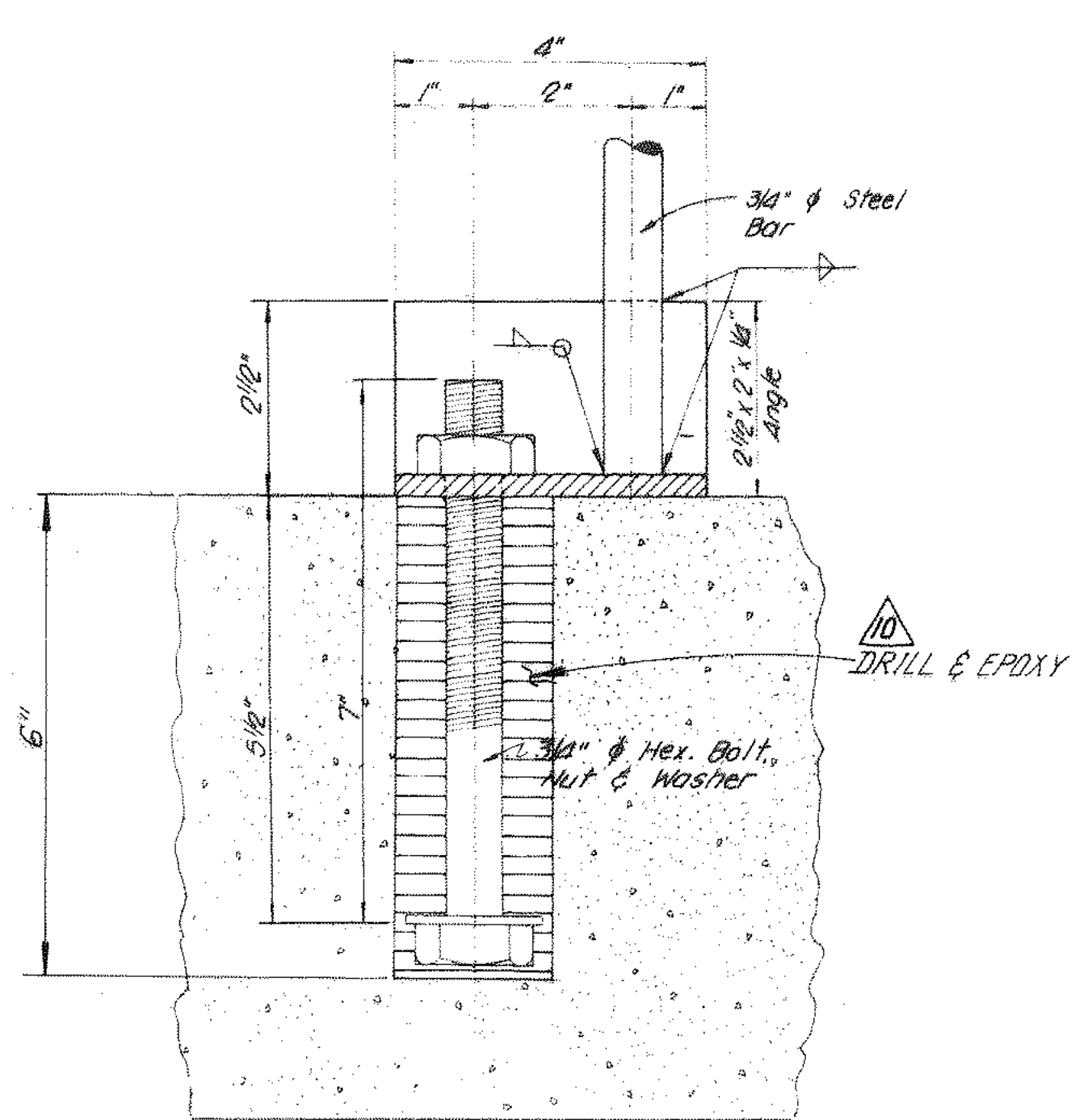


ELEVATION
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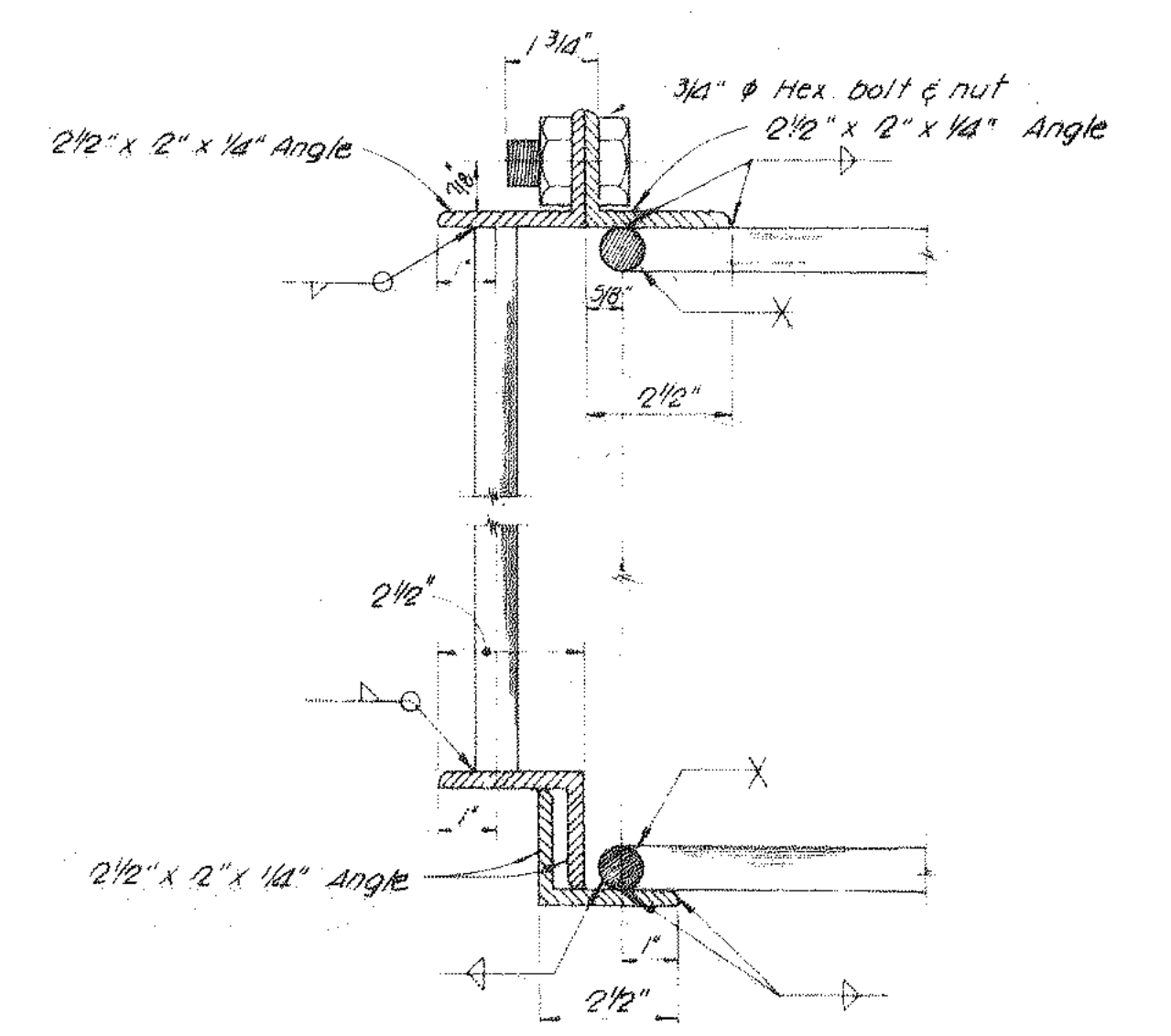


SECTION A-A
NO SCALE

- NOTES:**
1. All Exposed Steel To Be Galvanized.
 2. All Steel Bars Are 3/4" Except For As Shown.
 3. Weld All Bar Contact Points.

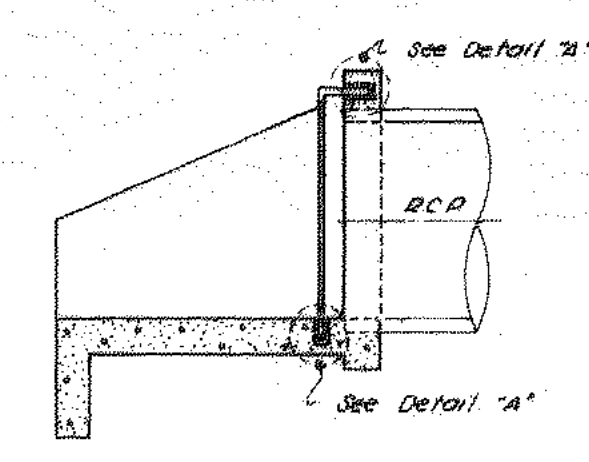
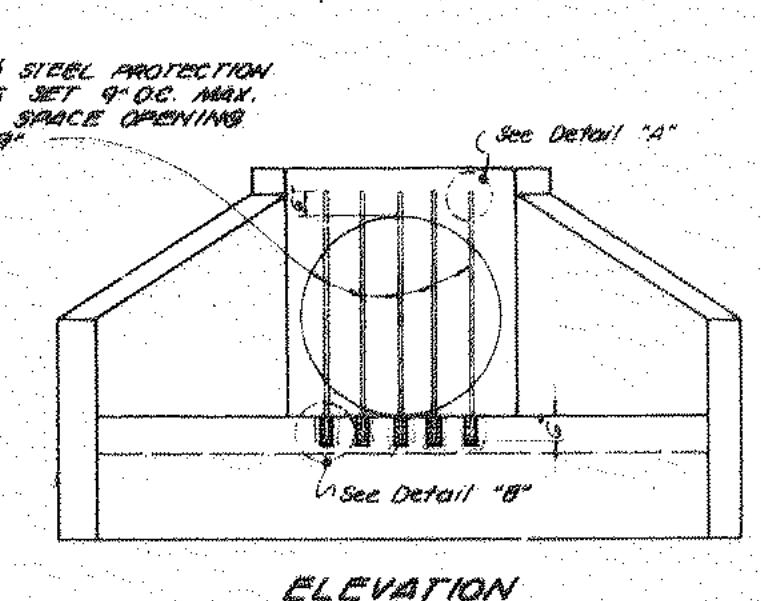
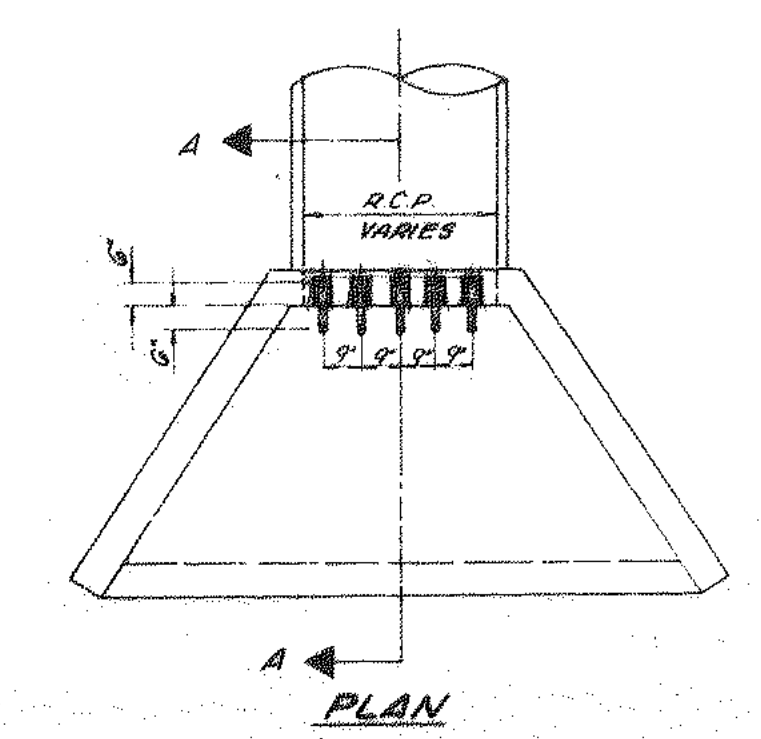


ANCHOR BOLT DETAIL
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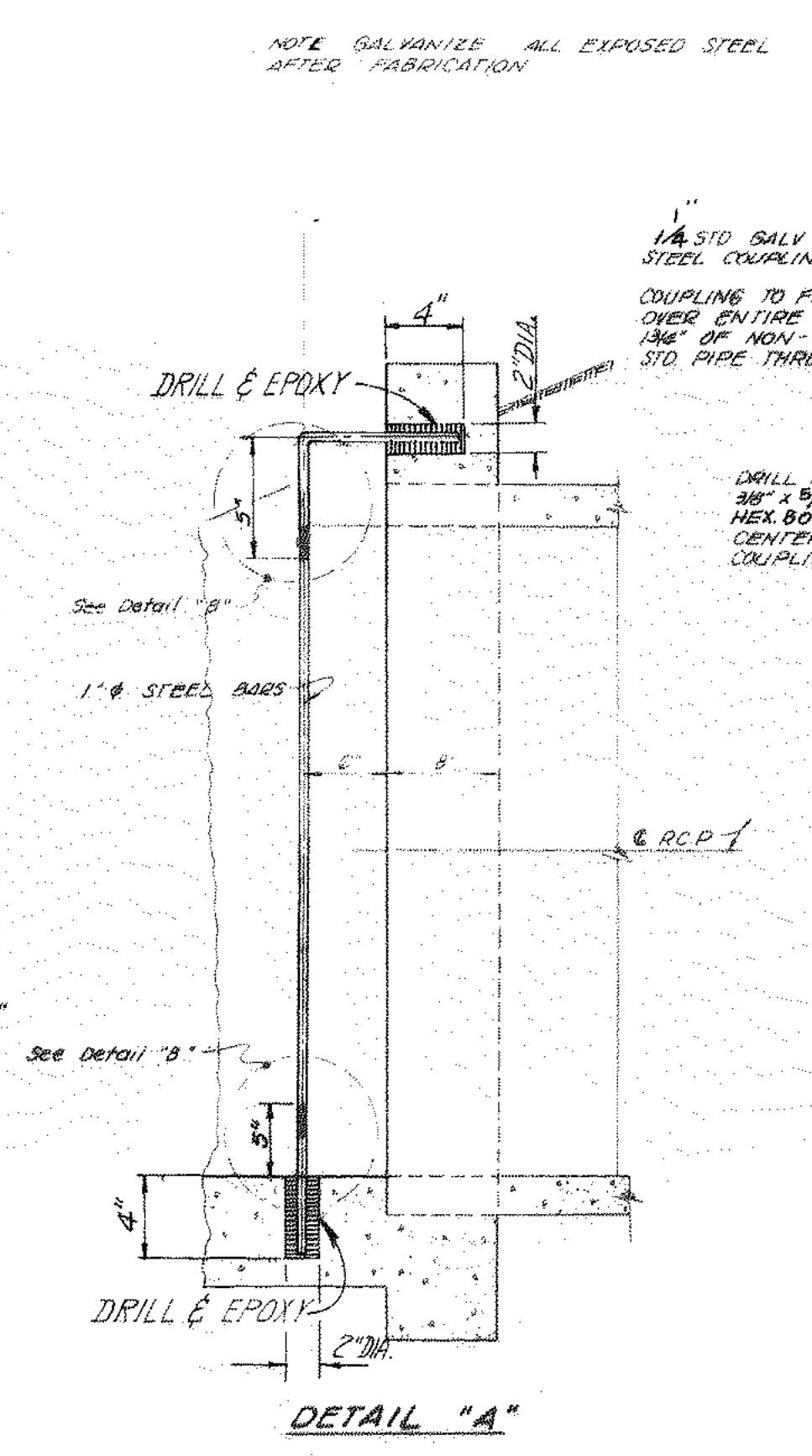


GATE FASTENING & LATCH DETAIL
NO SCALE

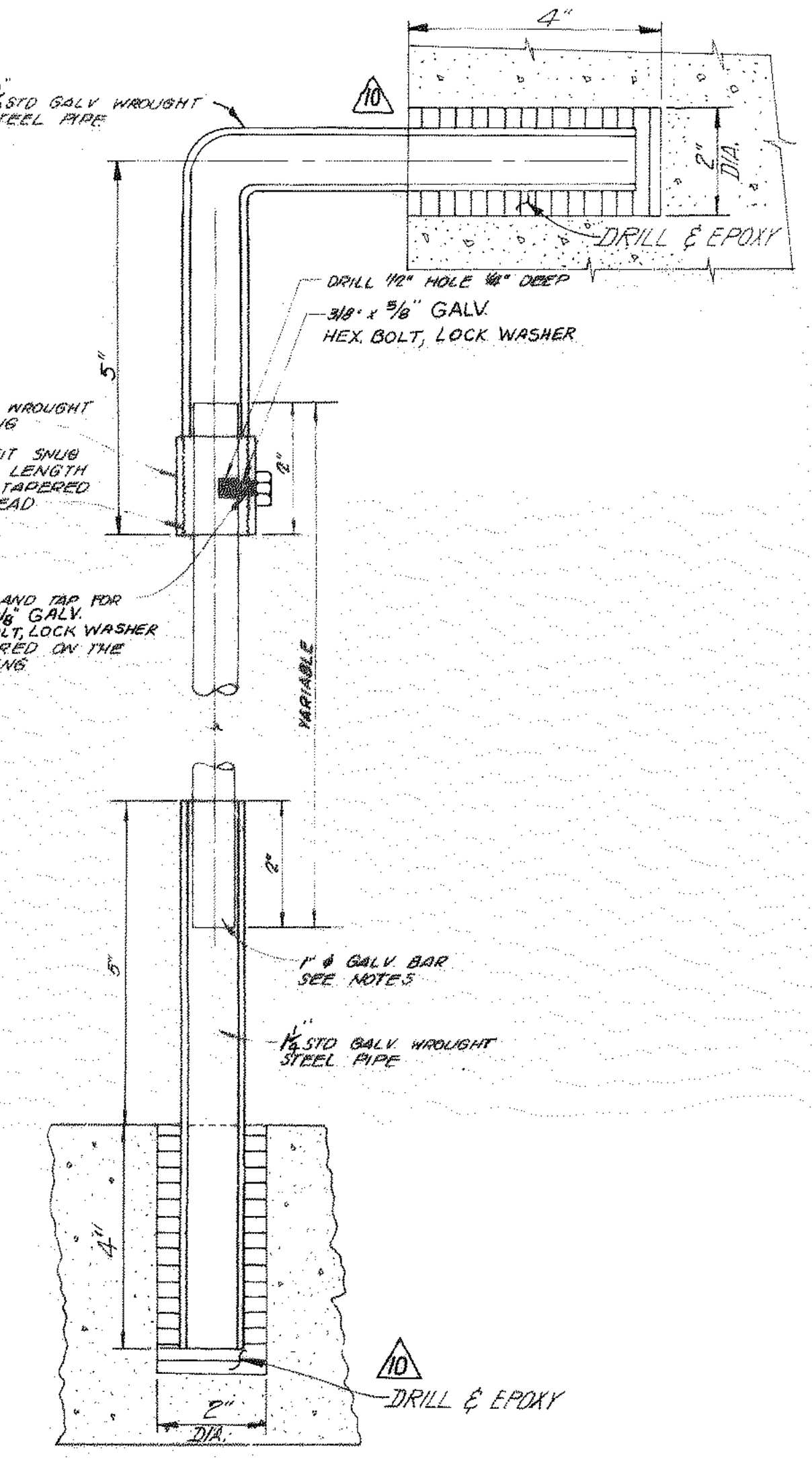
TRASH CAGE DETAILS



SECTION A-A



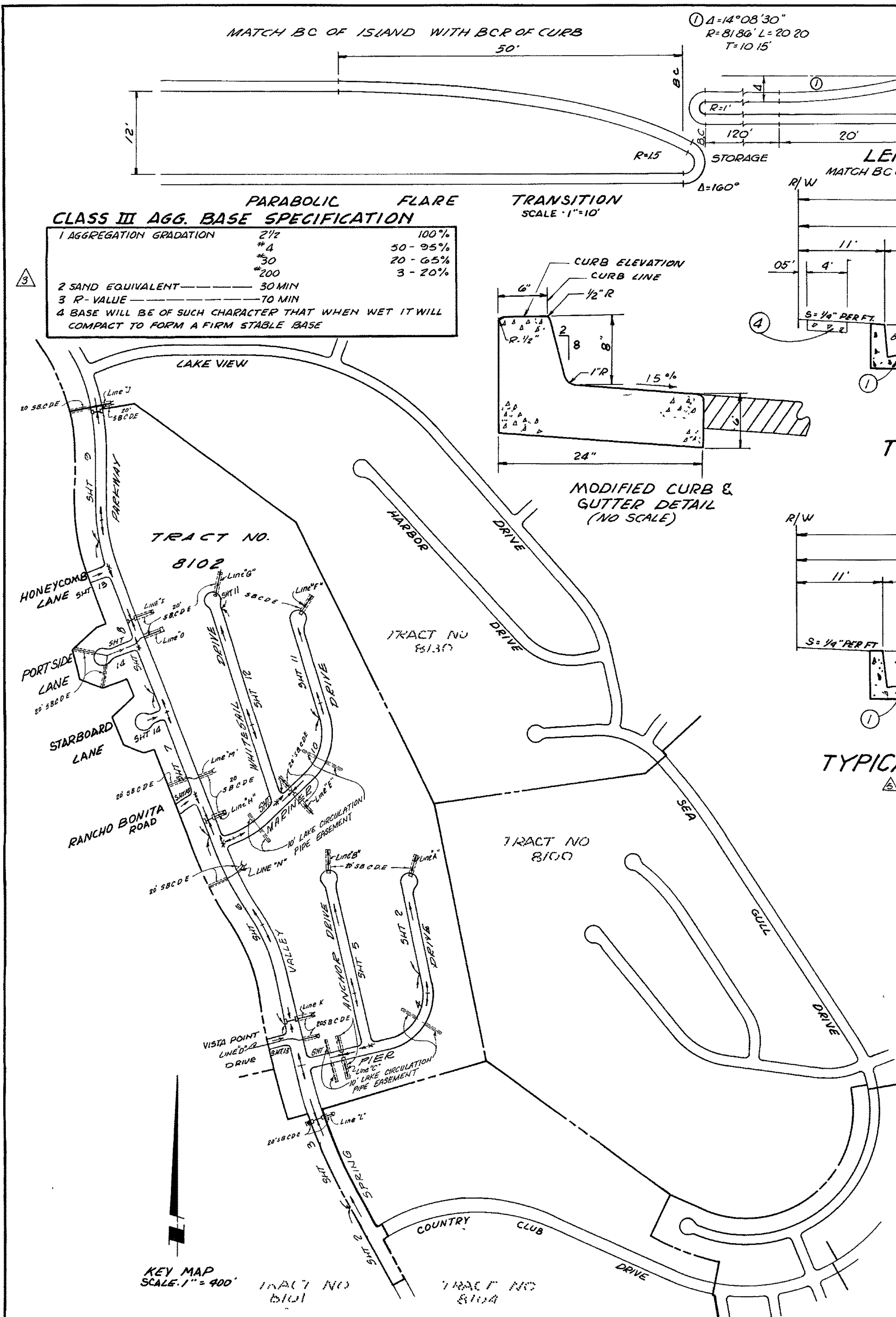
DETAIL "A"



DETAIL "B"

REMOVABLE PROTECTION BARS FOR OUTLET HEADWALL
NO SCALE

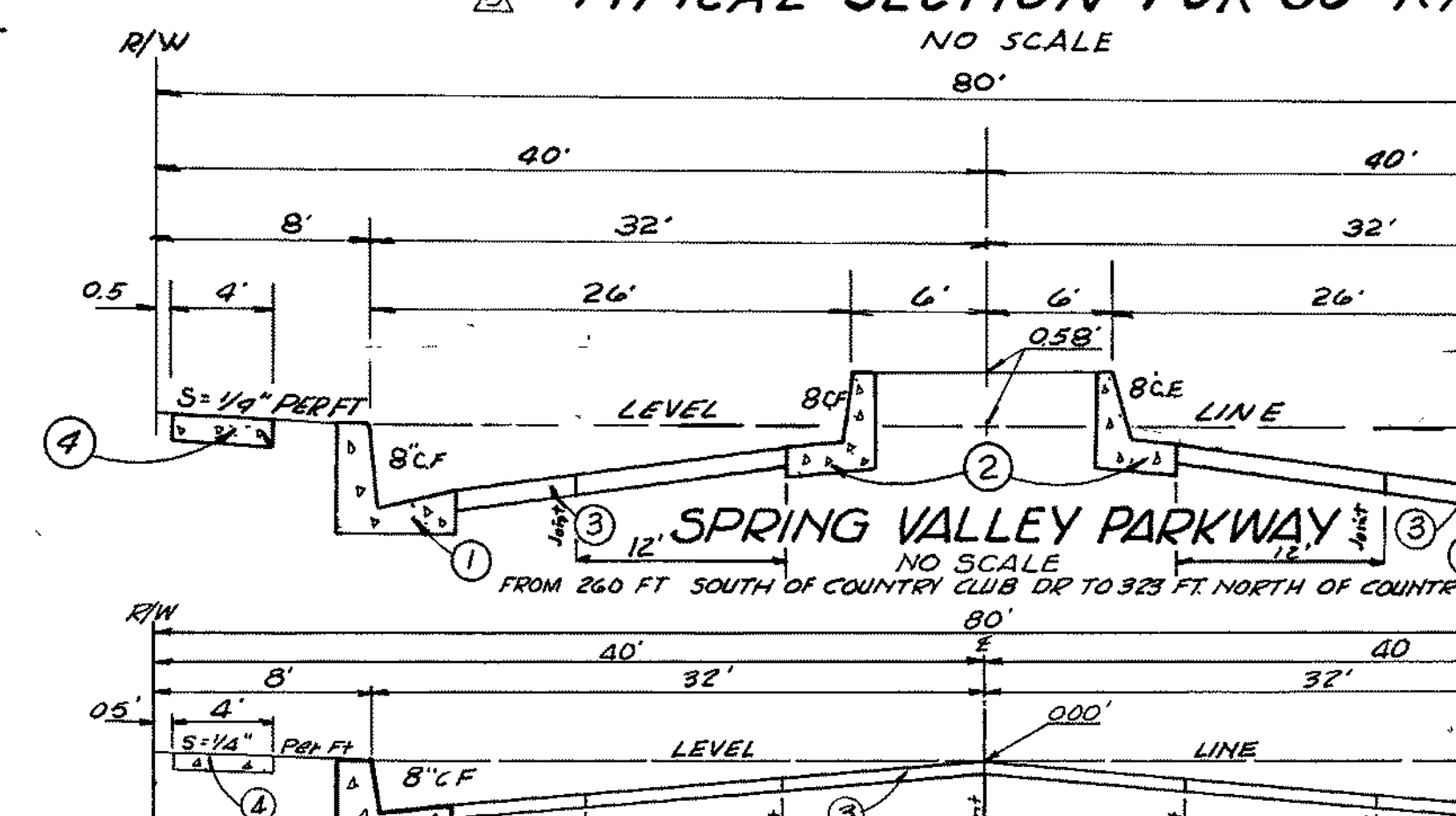
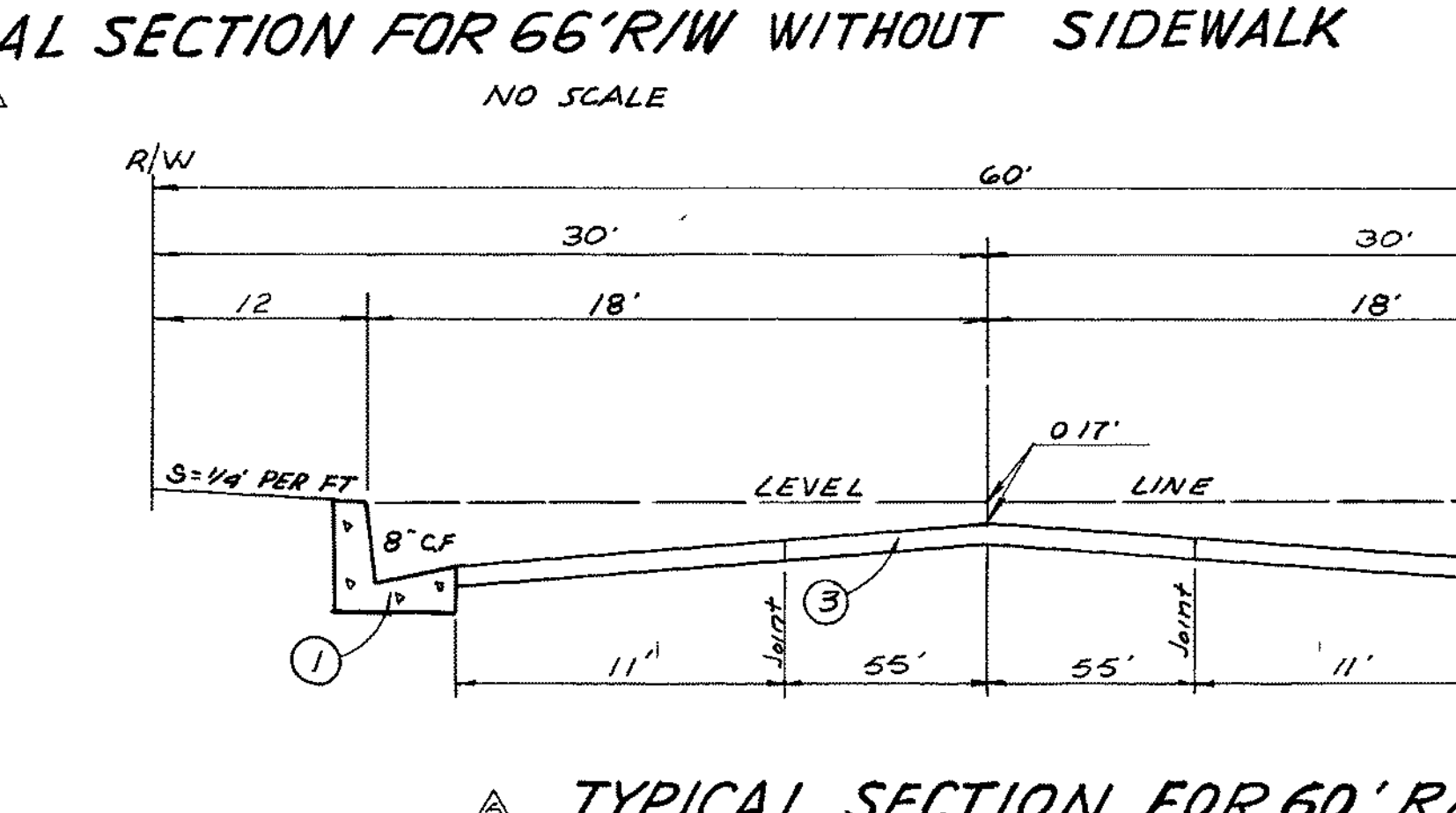
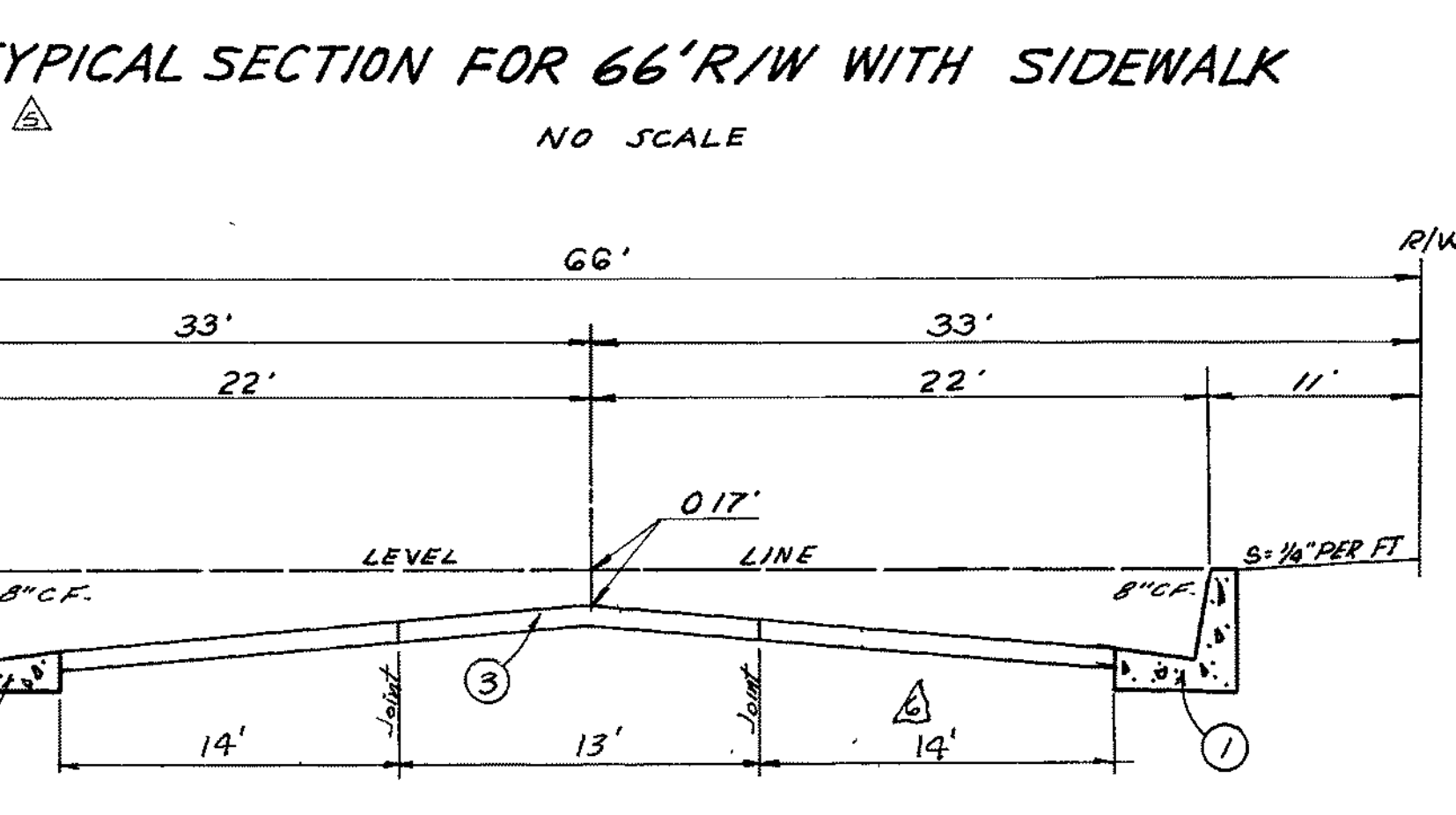
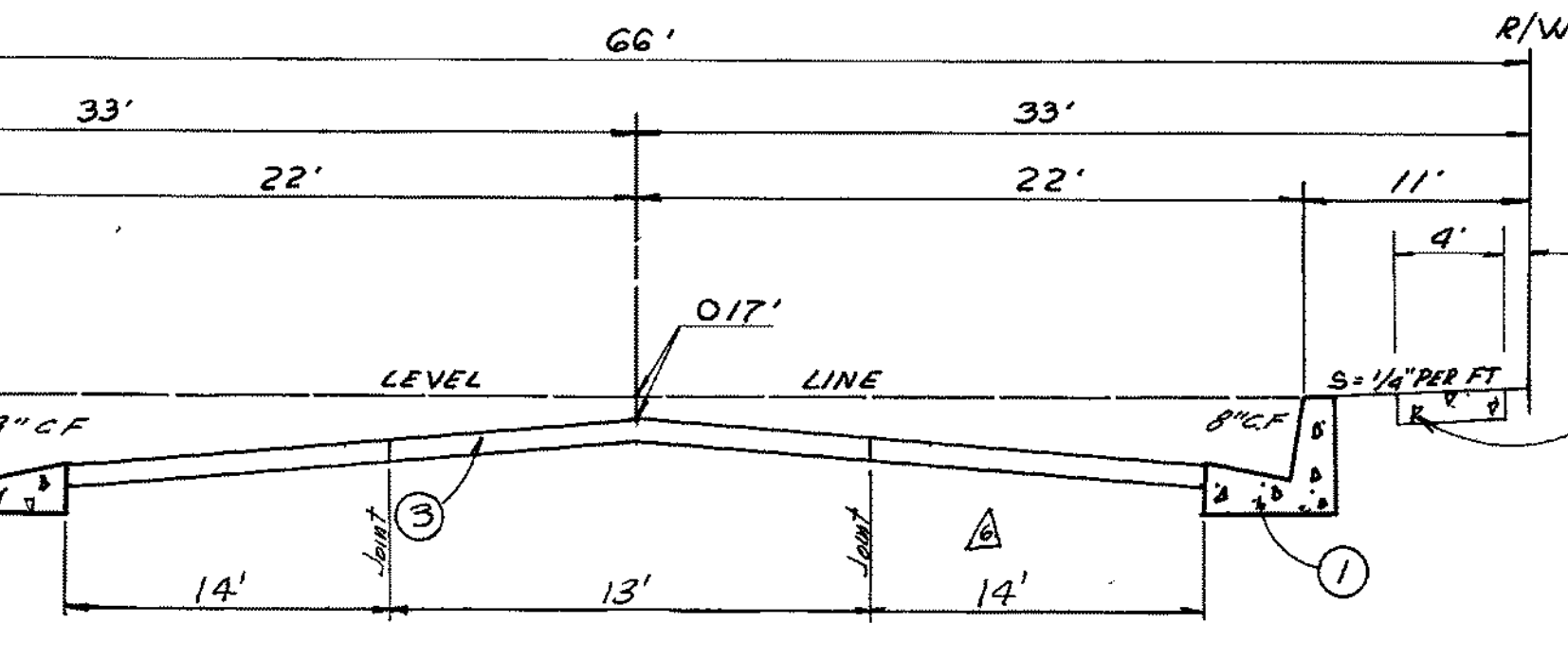
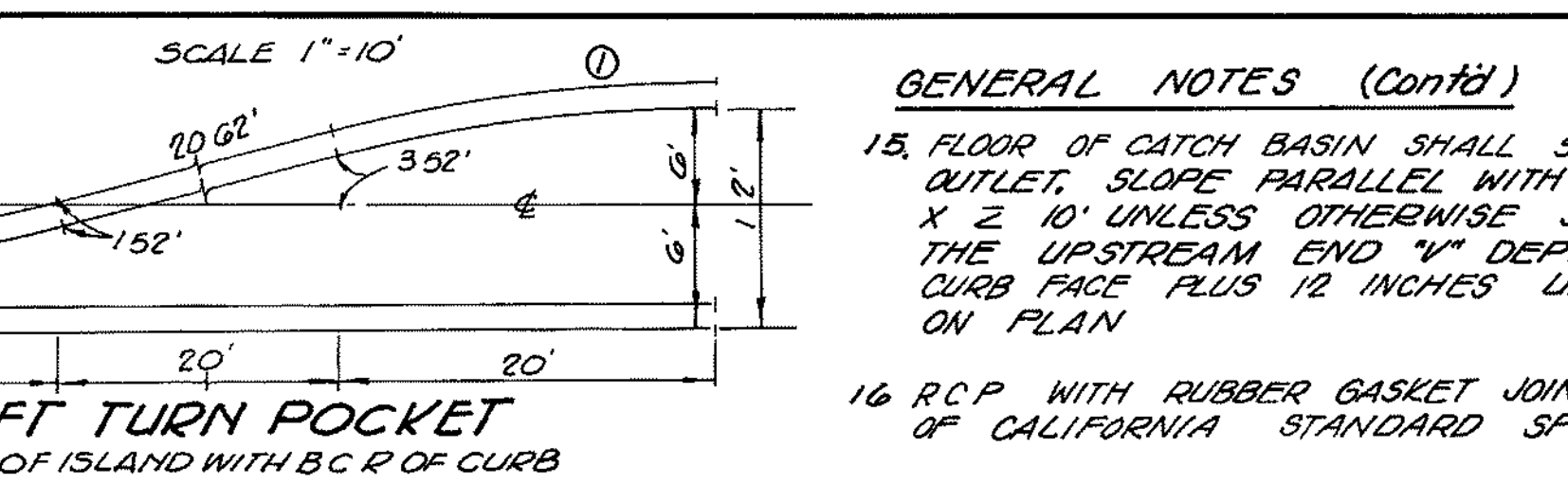
PLANS PREPARED BY McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. Revised Anchor Bolt Details & Detail "A" & "B"		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8101 TRASH CAGE & REMOVABLE PROTECTION BARS FOR OUTLET HEADWALL		W. O. NO. ROAD NO. FILE NO. SHEET 14 of 14	
BY: G. M. CUMBEY SIGNATURE: <i>G. M. Cumbe</i> R.E. No. 14297		DESIGNED BY DRAWN BY CHECKED BY <i>A. W. Quiros</i> RECOMMENDED BY CHIEF DESIGN ENGINEER		APPROVED BY COUNTY ENGINEER DATE: 11/21/69		DATE: 11/21/69			



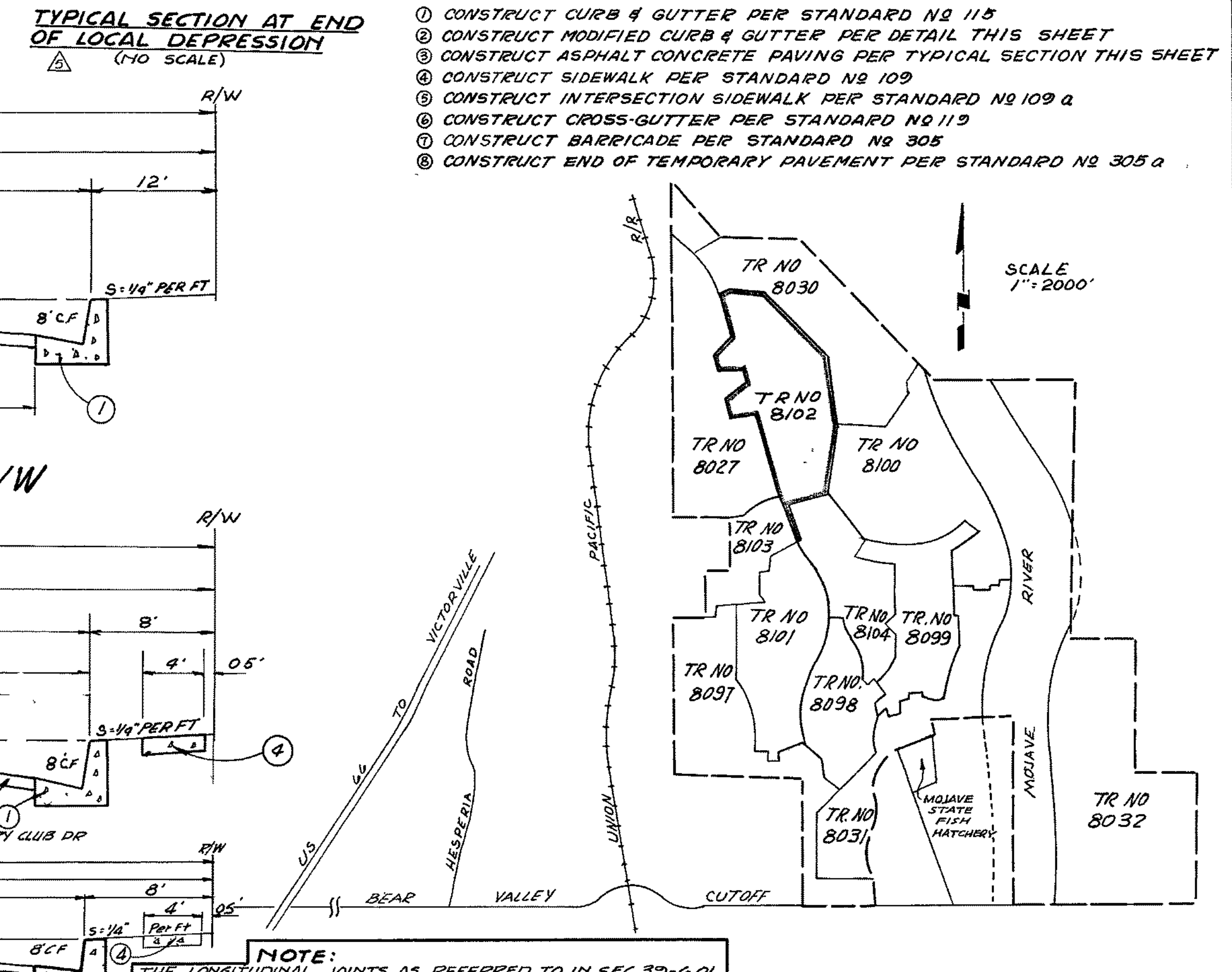
ROAD STRUCTURAL SECTION TABLE

STREET NAME	FROM STA	TO STA	AC	AB	CLASS
SPRING VALLEY PARKWAY	86+64.24	97+52	0.21	0.85	3
SPRING VALLEY PARKWAY	97+52	102+02	0.21	0	
SPRING VALLEY PARKWAY	102+02	105+50	0.21	0.50	3
SPRING VALLEY PARKWAY	105+50	110+86	0.21	0.35	3
SPRING VALLEY PARKWAY	110+86	126+13	0.21	0.75	3
SPRING VALLEY PARKWAY	126+13	138+32	0.21	0	
SPRING VALLEY PARKWAY	138+32	141+57.33	0.21	0.35	3
VISTA POINT DRIVE	22+75.55	24+04.08	0.21	0	
RANCHO BONITA ROAD	15+47.82	16+83.14	0.17	0.35	3
STARBOARD LANE	0+20.50	2+06.50	0.17	0.35	3

STREET NAME	FROM STA	TO STA	AC	AB	CLASS
PORTSIDE LANE	0+20.50	2+06.50	0.21	0	
HONEYCOMB LANE	0+20.50	2+06.50	0.17	0	
PIER DRIVE	0+20.50	2+06.50	0.17	0	
PIER DRIVE	0+20.50	2+06.50	0.17	0.35	3
PIER DRIVE	0+20.50	2+06.50	0.17	0.80	3
ANCHOR DRIVE	0+20.50	2+06.50	0.17	0	
MARINER DRIVE	0+20.50	2+06.50	0.17	0.35	3
MARINER DRIVE	0+20.50	2+06.50	0.17	0	
WHITESAIL DRIVE	0+20.50	2+06.50	0.17	0.35	3



- GENERAL NOTES (Cont'd)**
15. FLOOR OF CATCH BASIN SHALL SLOPE FROM ALL WALLS TO THE OUTLET, SLOPE PARALLEL WITH CURB SHALL BE 10% FOR X 2' 10" UNLESS OTHERWISE SHOWN ON PLAN. FOR X 2' 10" THE UPSTREAM END 4" DEPTH SHALL BE EQUAL TO THE CURB FACE PLUS 12 INCHES UNLESS OTHERWISE SHOWN ON PLAN.
 16. RCP WITH RUBBER GASKET JOINTS SHALL CONFORM TO STATE OF CALIFORNIA STANDARD SPECIFICATION 65-10G.
 17. TEMPORARY PIPE CLOSURES AT THE WESTERLY ENDS OF LINES 'D', 'J', 'M', 'N', 'O' WILL BE CONNECTED TO TRACT #8027 FUTURE STORM DRAIN SYSTEM.
 18. AT THE COMPLETION OF PAVING, A MATERIALS REPORT SHALL BE SUBMITTED TO THE CONTRACTS ENGINEER OF THE SAN BERNARDINO COUNTY ROAD DEPARTMENT LISTING ALL TESTS OR DETERMINATION COMPLETED TO VERIFY: (a) R-VALUE SIEVE ANALYSIS AND SAND EQUIVALENT OF AGGREGATE BASE (b) STABILITY, OIL CONTENT AND SIEVE ANALYSIS OF ASPHALT SURFACING
 19. WHEN CURB DEPRESSIONS ARE PROVIDED FOR DRIVEWAYS, COMPLETE DRIVEWAY CONSTRUCTION WILL BE REQUIRED IN ACCORDANCE WITH COUNTY ROAD DEPARTMENT STANDARD DRAWING NO. 128 AND RELATED SPECIFICATIONS.
 20. COMPACTION TESTS OF EMBANKMENT CONSTRUCTION, TRENCH, BACKFILL, AND ALL SUBGRADES SHALL BE PERFORMED AT NO COST TO SAN BERNARDINO COUNTY, AND A WRITTEN REPORT SHALL BE SUBMITTED TO THE CONTRACTS ADMINISTRATION DIVISION OF THE COUNTY ROAD DEPARTMENT FOR APPROVAL, PRIOR TO THE PLACEMENT OF DRIVE MATERIALS AND/OR SURFACING.
 21. TEMPORARY BENCH MARK TOP 2.1 P. NORTHEAST CORNER LOT 73 IN TRACT NO. 8097.
 22. ALL LOTS SHALL BE GRADED TO PRELIMINARY FLOODING.
 23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL STREET GRADES WITHIN THIS TRACT TO ACCEPTANCE OF THESE GRADES INTO THE SAN BERNARDINO COUNTY MAINTAINED ROAD SYSTEM. THE GRADES OF THOSE PORTIONS OF STREETS WITH LESS THAN 0.4% GRADE SHALL BE VERIFIED BY A WATER CHECK.
 24. PAVEMENT SHALL NOT BE PLACED ON THE ROADS IN THIS TRACT UNTIL CLEARANCE, RELATIVE TO GROUNDWATER CONDITIONS IS OBTAINED FROM THE SAN BERNARDINO COUNTY ROAD DEPARTMENT.
- CONSTRUCTION NOTES**
1. CONSTRUCT CURB & GUTTER PER STANDARD NO. 115
 2. CONSTRUCT MODIFIED CURB & GUTTER PER DETAIL THIS SHEET
 3. CONSTRUCT ASPHALT CONCRETE PAVING PER TYPICAL SECTION THIS SHEET
 4. CONSTRUCT SIDEWALK PER STANDARD NO. 109
 5. CONSTRUCT INTERSECTION SIDEWALK PER STANDARD NO. 109 a
 6. CONSTRUCT CROSS-GUTTER PER STANDARD NO. 119
 7. CONSTRUCT BARRICADE PER STANDARD NO. 305
 8. CONSTRUCT END OF TEMPORARY PAVEMENT PER STANDARD NO. 305 a



NOTE: THE LONGITUDINAL JOINTS, AS REFERRED TO IN SEC 39-6.01 OF THE STATE STANDARD SPECIFICATIONS SHALL BE MODIFIED AS SHOWN ON THIS SHEET

PLANS PREPARED BY
McINTIRE & QUIROS INC.
670 MONTEREY PASS RD MONTEREY PARK, CALIF

BY: G M CLIMBEY
SIGNATURE: [Signature] R E No. 12297

Rev Typ Sec 66' R/W Joints for Paving 6/14/22
Revision on Shts 6, 7, 15 and 16 6/23/22
Added Street Struct Sec 6.02 Agg Base Specs 6/23/22
Revised Note 3.0.6, Added Note 18 6/23/22
Rev Typ Sec 60' R/W Added Note 6 Sec at end of LD 6/23/22

COUNTY OF SAN BERNARDINO
ROAD DEPARTMENT

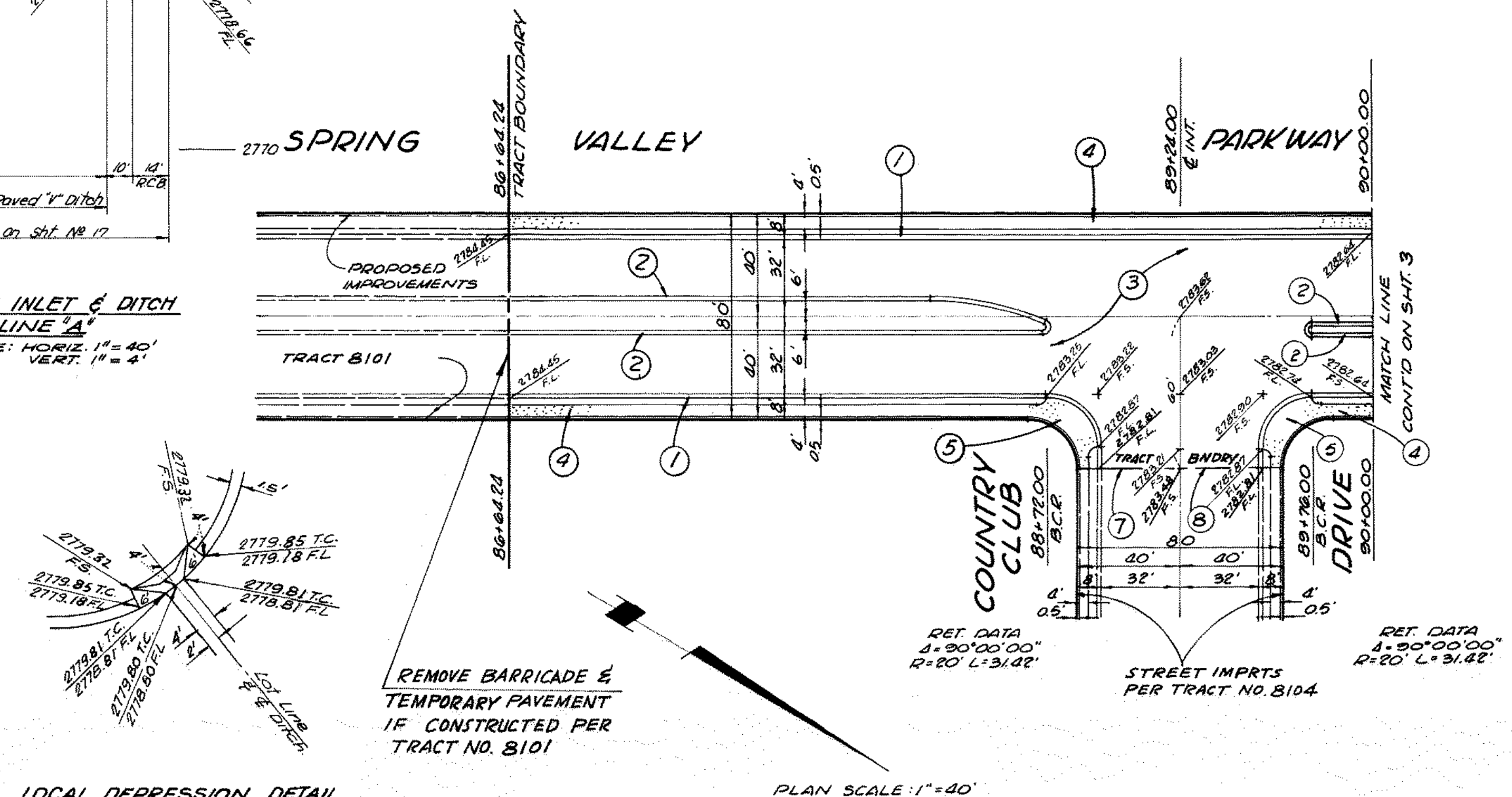
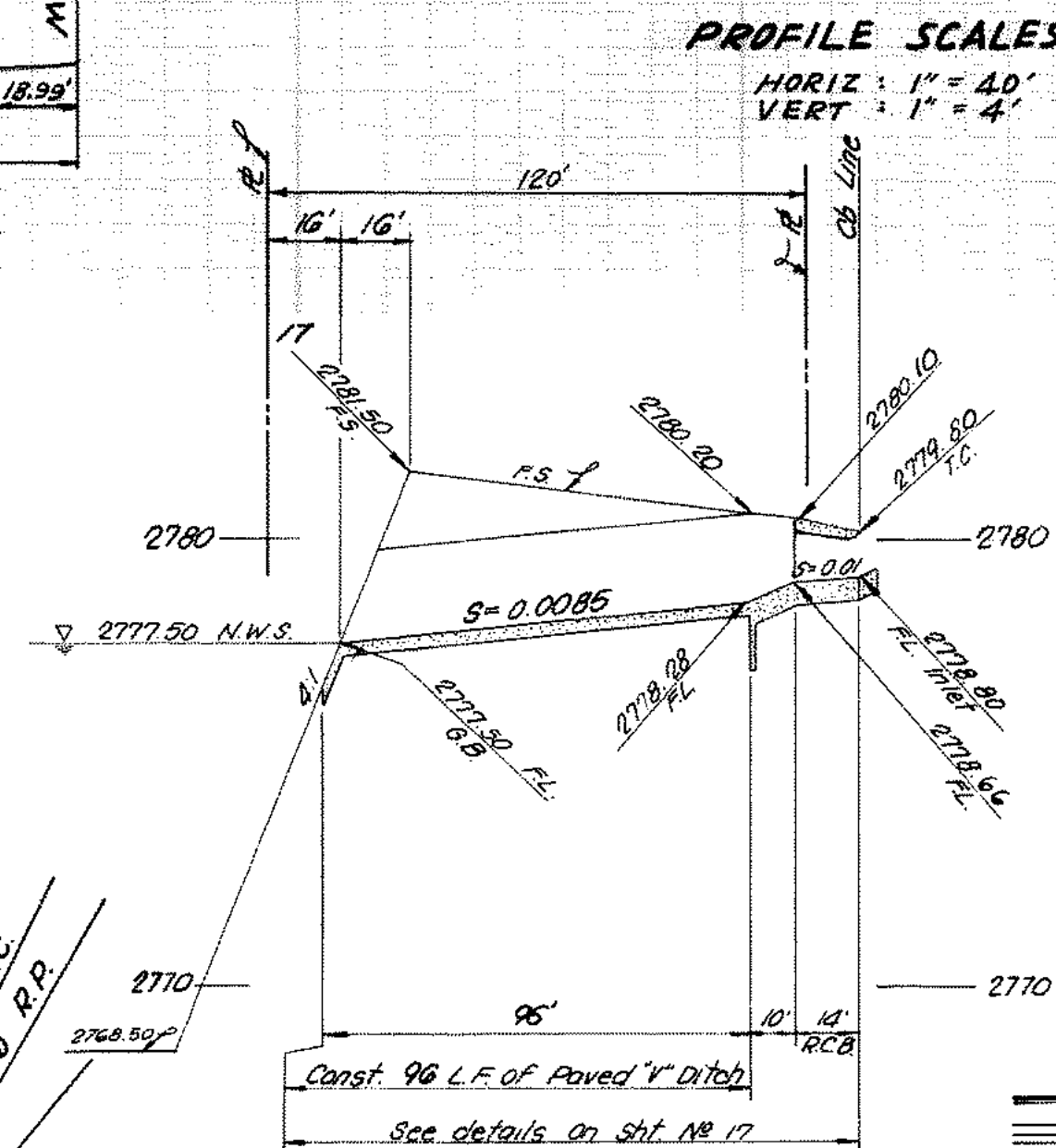
DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]
CHIEF DESIGN ENGINEER

APPROVED BY: [Signature]
ASST. ROAD COMMISSIONER ENGR. DATE: [Date]

COUNTY ENGINEER: [Signature] DATE: [Date]

IMPROVEMENT PLANS
TRACT NO. 8102
TITLE SHEET

W O N O
ROAD NO.
FILE NO.
SHEET 1 of 1



CURVE DATA

(A) $\Delta = 53^{\circ} 07' 48''$
Ch. R = 62' L = 57.49'

(B) $\Delta = 233^{\circ} 07' 48''$
Ch. R = 38' L = 154.62'

(C) $\Delta = 26^{\circ} 33' 54''$
Ch. R = 169.44' L = 78.56'

LOCAL DEPRESSION DETAIL
FOR LINE "A"
NO SCALE

BY: G. M. CUMBEY

SIGNATURE G. M. Cumbe R. E. No. 14297

COUNTY OF SAN BERNARDINO	
ROAD DEPARTMENT	
DESIGNED BY _____	APPROVED BY _____
DRAWN BY _____	_____
CHECKED BY <i>J. W. Kruyer</i>	<i>W. J. Kruyer</i> 4-23-76
RECOMMENDED BY <i>J. W. Kruyer</i>	ASST. ROAD COMMISSIONER-ENGR. DATE
COUNTY ENGINEER _____	COUNTY ENGINEER _____ DATE _____

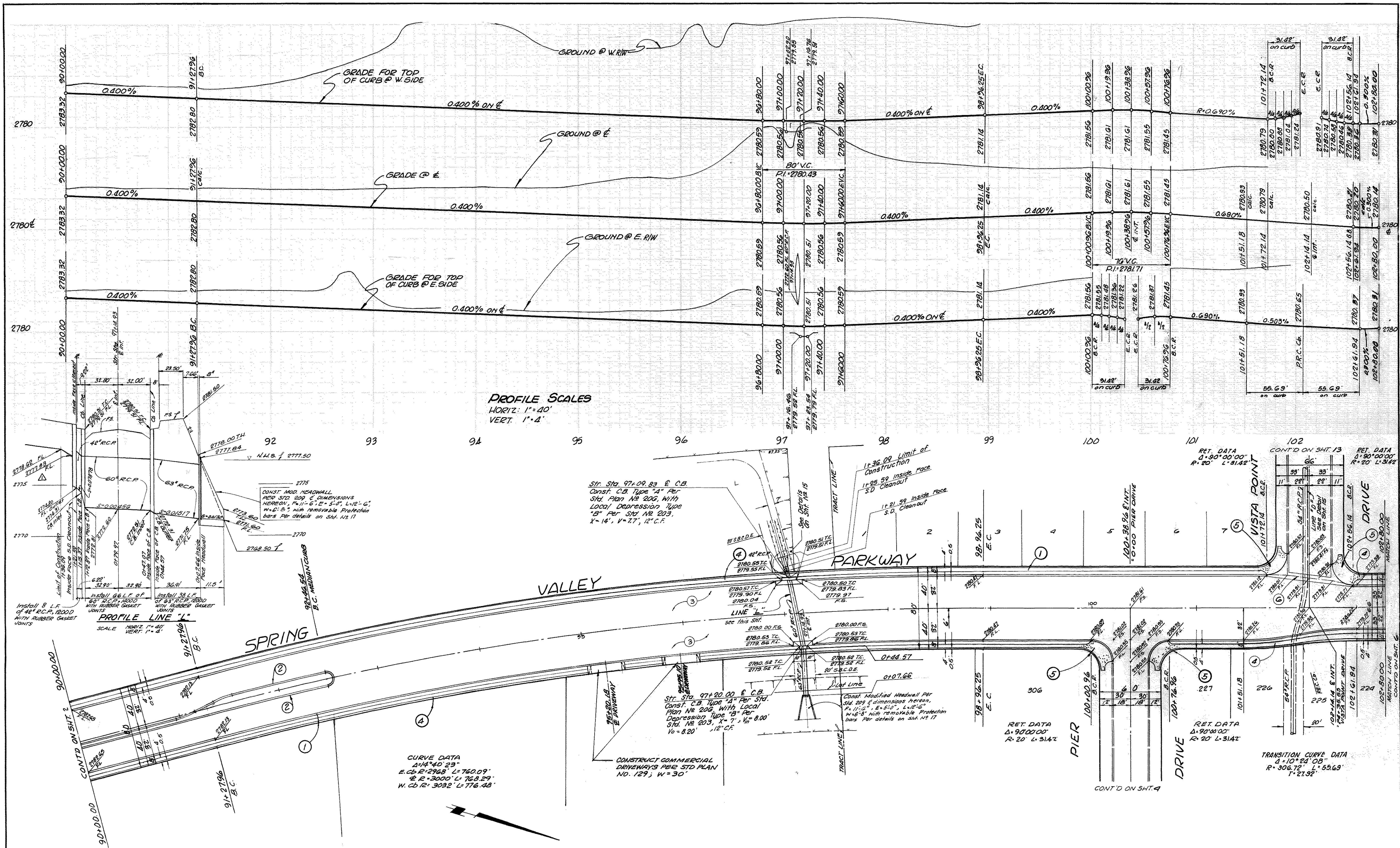
IMPROVEMENT PLANS
TRACT NO. 8102
SPRING VALLEY PARKWAY
PIER DRIVE

W. O. NO. _____

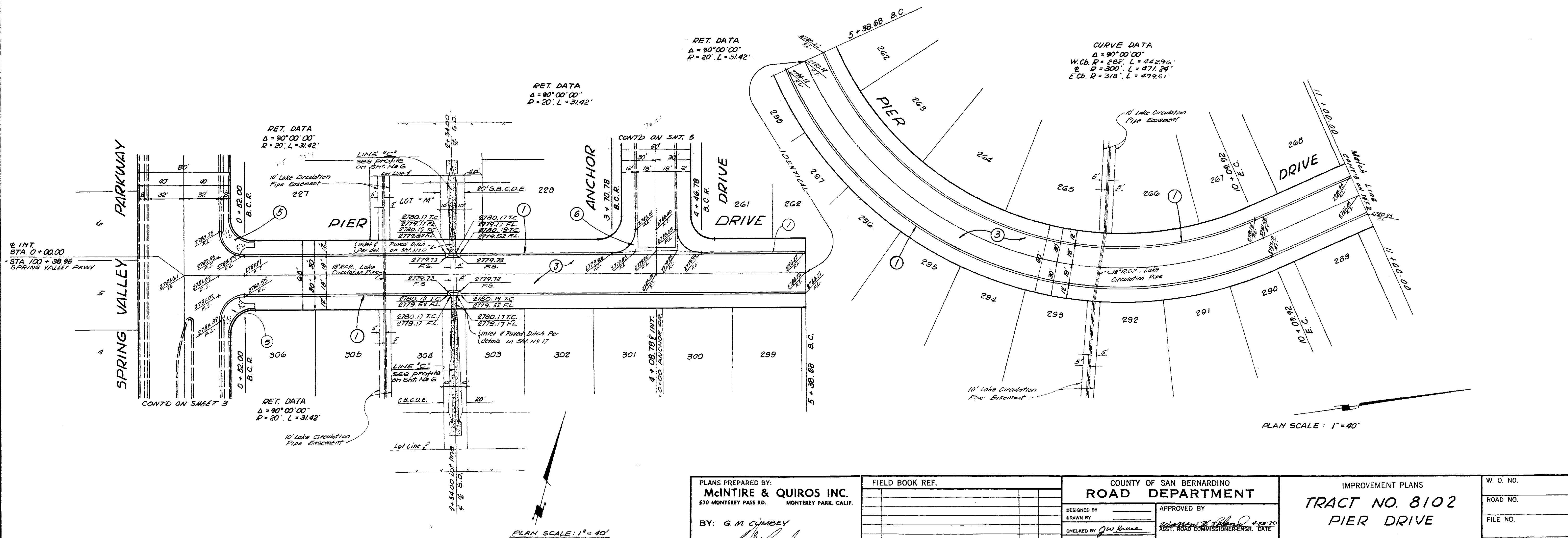
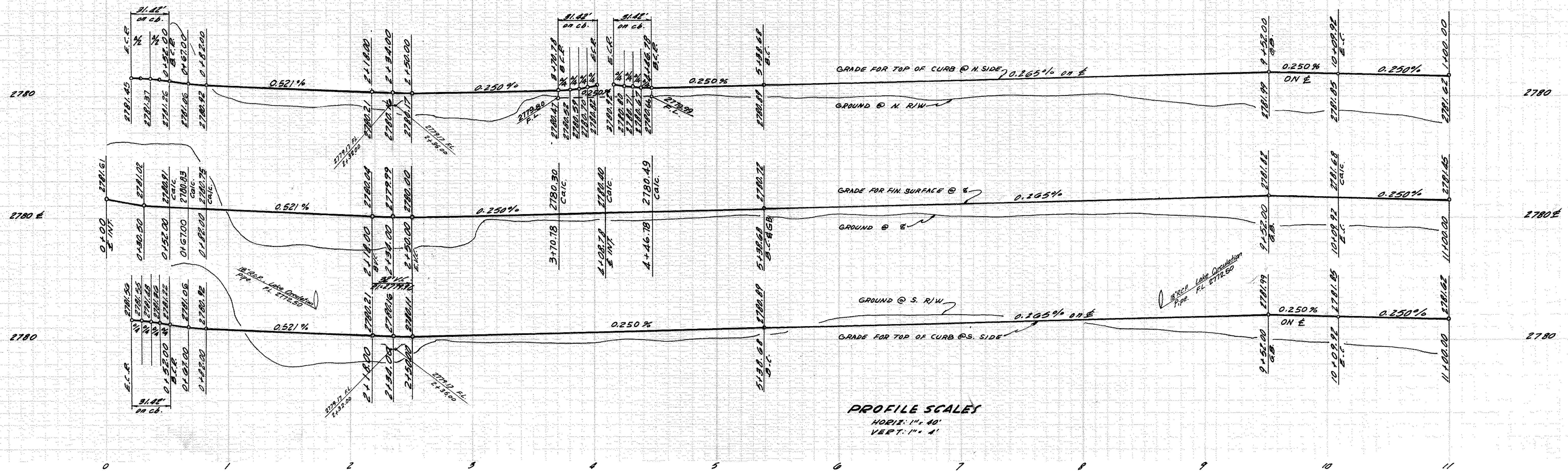
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FILE NO. _____

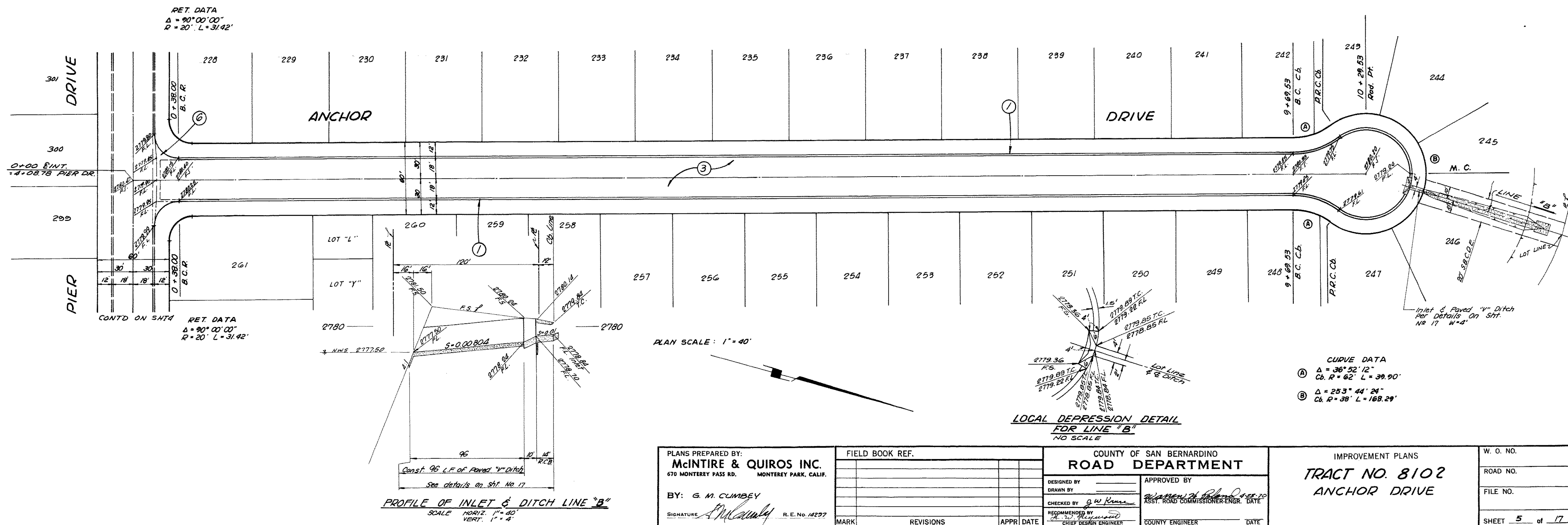
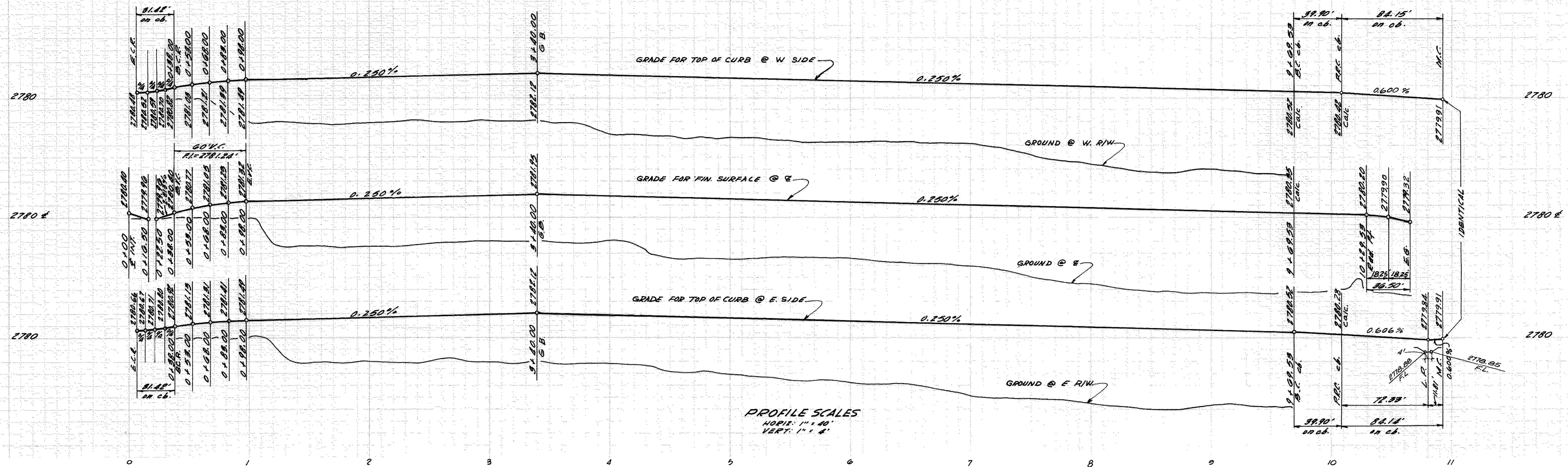
SHEET 2 of 17



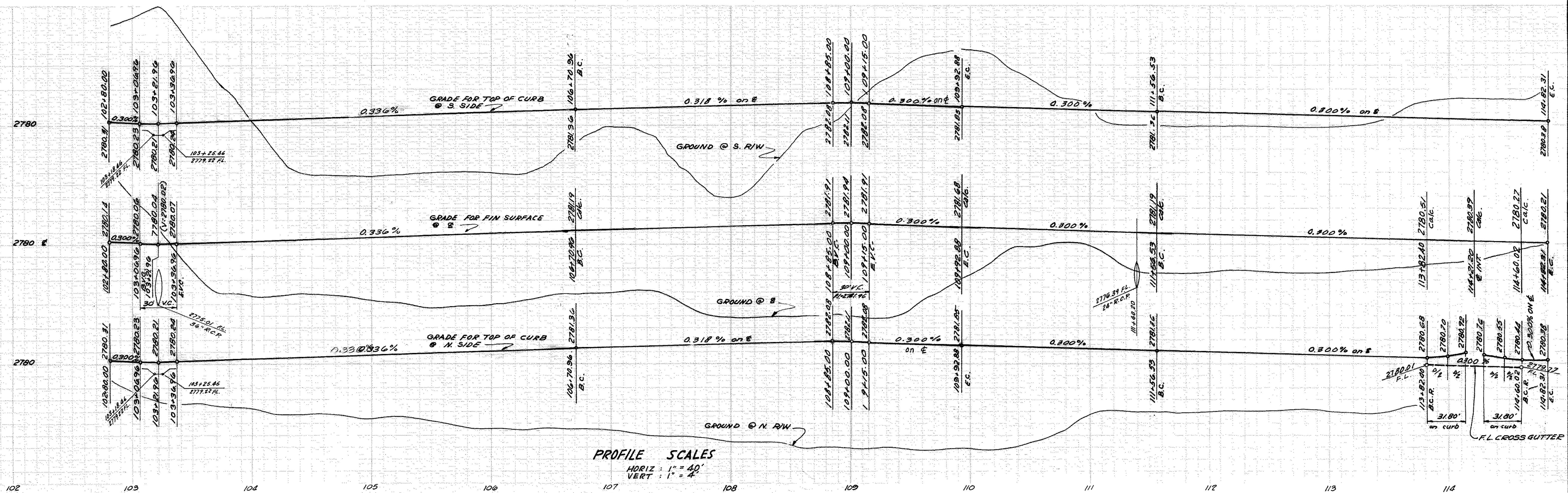
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. A Changed Inlet Size of Mod S.D. Cleanout 4/2/79		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO 8102 SPRING VALLEY PARKWAY		W. O. NO. ROAD NO. FILE NO.	
BY: G.M. CUMBEY SIGNATURE: <i>G.M. Cumbey</i> R.E. No. 14297		DESIGNED BY DRAWN BY CHECKED BY <i>G.W. Kruen</i> RECOMMENDED BY <i>G.W. Kruen</i> CHIEF DESIGN ENGINEER		APPROVED BY <i>James A. Ireland</i> ASST. ROAD COMMISSIONER-ENGR. DATE		COUNTY ENGINEER DATE		SHEET 3 of 17	



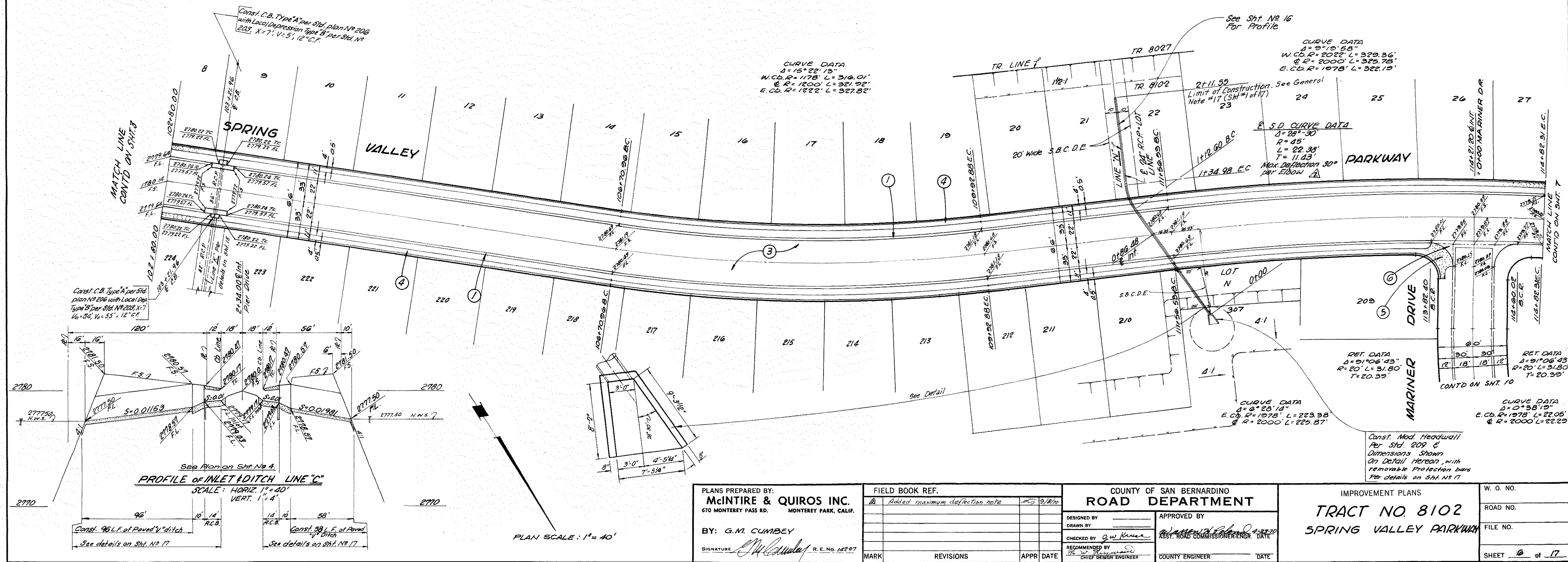
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102 PIER DRIVE		W. O. NO. ROAD NO. FILE NO.	
BY: G. M. CUMBEY SIGNATURE: <i>G. M. Cumbe</i> R.E. No. 12297		DESIGNED BY DRAWN BY CHECKED BY <i>G. M. Cumbe</i> RECOMMENDED BY CHIEF DESIGN ENGINEER		APPROVED BY ASST. ROAD COMMISSIONER-ENGR. DATE		COUNTY ENGINEER DATE		SHEET 4 of 17	
MARK		REVISIONS		APPR DATE		COUNTY ENGINEER		DATE	



PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102 ANCHOR DRIVE		W. O. NO.	
BY: G. M. CUMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE <i>G. M. Cumbe</i> R.E. No. 14227				DRAWN BY		DATE		FILE NO.	
				CHECKED BY <i>G. W. K...</i>		ASSIST. ROAD COMMISSIONER-ENGR. DATE			
				RECOMMENDED BY <i>M. W. ...</i>		COUNTY ENGINEER DATE		SHEET 5 of 17	
		MARK		REVISIONS		APPR DATE			



PROFILE SCALES
HORIZ : 1" = 40'
VERT : 1" = 4'



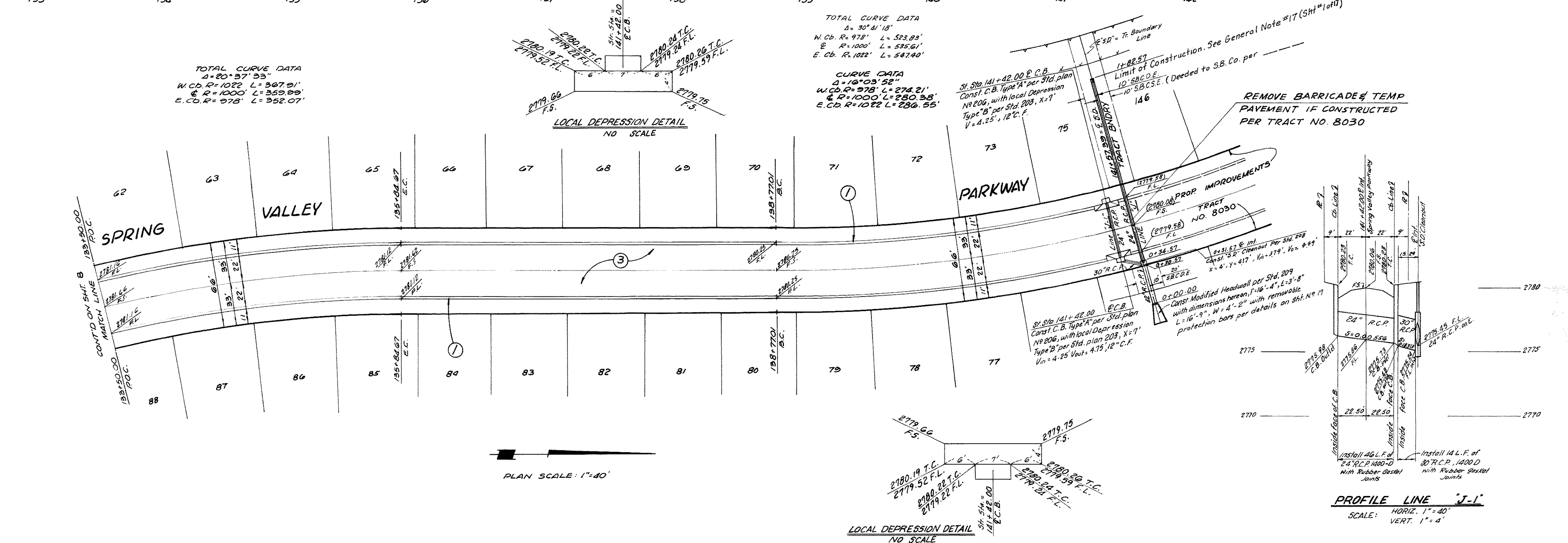
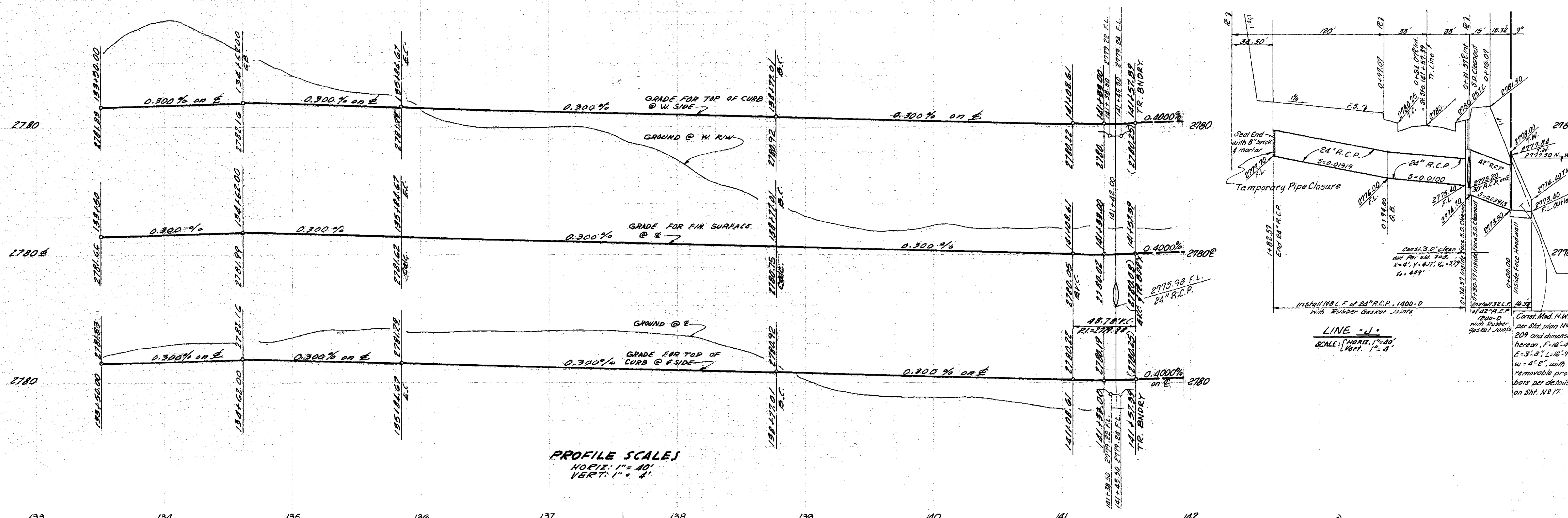
PLANS PREPARED BY:
McINTIRE & QUIROS INC.
670 MONTEREY PASS RD. MONTEREY PARK, CALIF.

BY: G.M. CUMBEY
SIGNATURE: *G.M. Cumbe* R.E. No. 16297

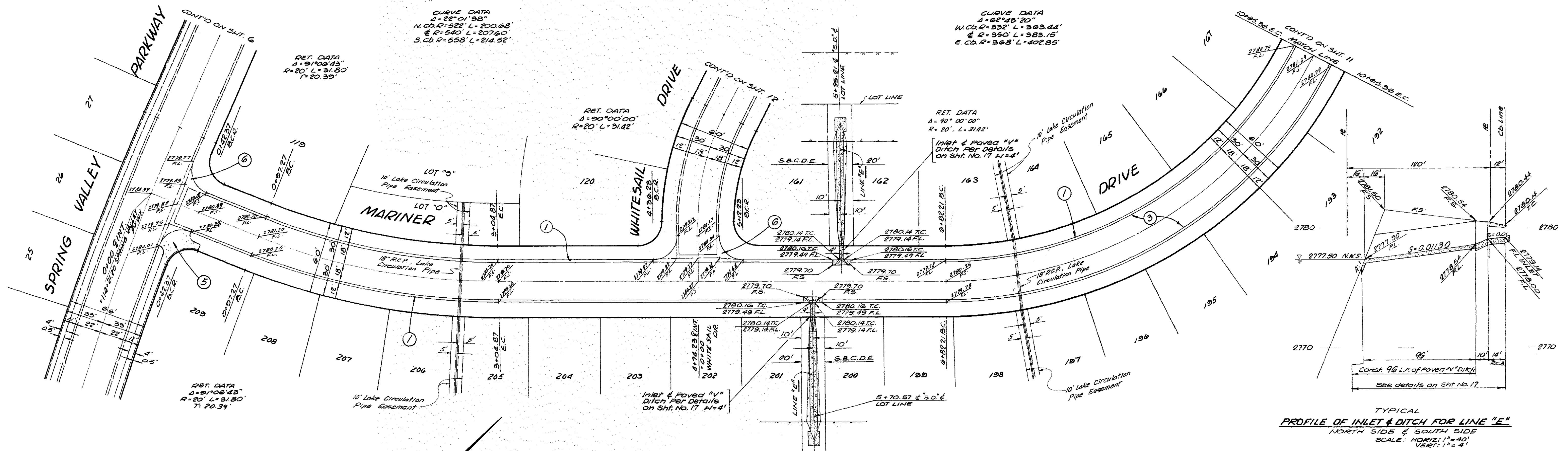
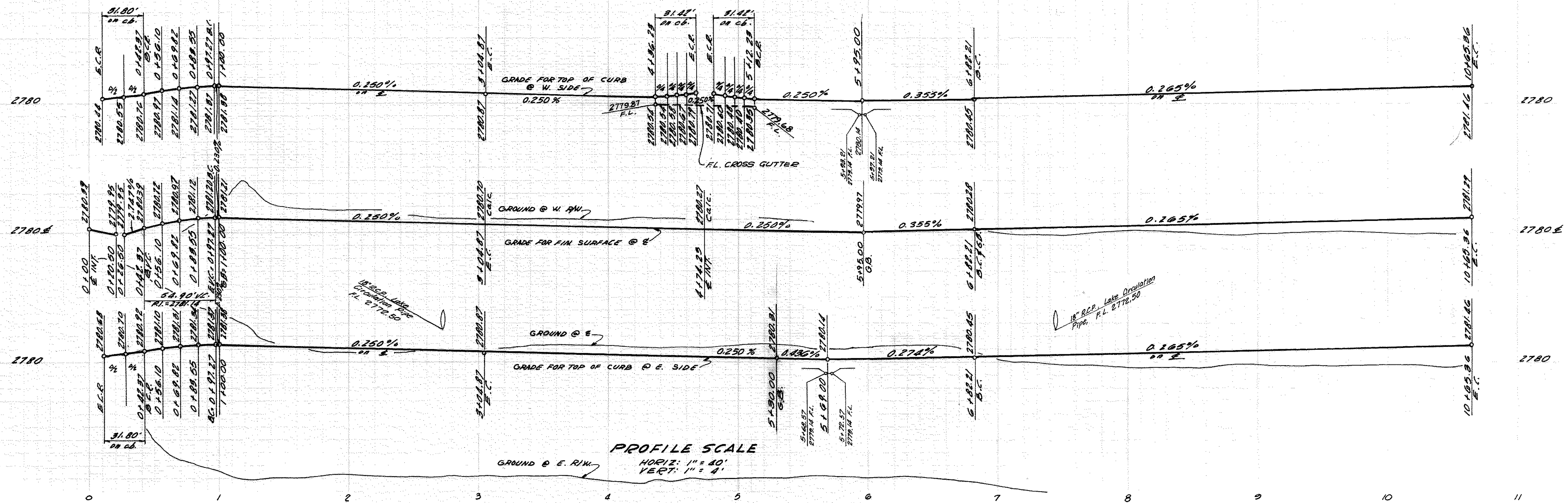
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Added maximum deflection note	9/18/70
DESIGNED BY	
DRAWN BY	
CHECKED BY	G.W. Kline
RECOMMENDED BY	
CHIEF DESIGN ENGINEER	
MARK	
REVISIONS	
APPR DATE	

COUNTY OF SAN BERNARDINO
ROAD DEPARTMENT
APPROVED BY: *W. O. N.*
ASST. ROAD COMMISSIONER-ENGR. DATE: *9/18/70*
COUNTY ENGINEER: *W. O. N.* DATE: *9/18/70*

IMPROVEMENT PLANS
TRACT NO 8102
SPRING VALLEY PARKWAY
SHEET 6 of 17



PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102 SPRING VALLEY PARKWAY		W. O. NO. ROAD NO. FILE NO. SHEET 9 of 17	
BY: G.M. CUMBEY SIGNATURE: <i>G.M. Cumbe</i> R.E. No. 14297		DESIGNED BY DRAWN BY CHECKED BY <i>g.w. Kinner</i> RECOMMENDED BY CHIEF DESIGN ENGINEER		APPROVED BY <i>William H. Robinson</i> 2-22-70 ASST. ROAD COMMISSIONER-ENGR. DATE		COUNTY ENGINEER DATE	
FIELD BOOK REF.		MARK REVISIONS		APPR DATE		DATE	



TYPICAL
PROFILE OF INLET & DITCH FOR LINE "E"
 NORTH SIDE & SOUTH SIDE
 SCALE: HORIZ: 1" = 40'
 VERT: 1" = 4'

PLANS PREPARED BY:
McINTIRE & QUIROS INC.
 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.

BY: G. M. CUMBEY
 SIGNATURE: *G. M. Cumbe* R.E. No. 14297

FIELD BOOK REF.

MARK REVISIONS APPR DATE

COUNTY OF SAN BERNARDINO
ROAD DEPARTMENT

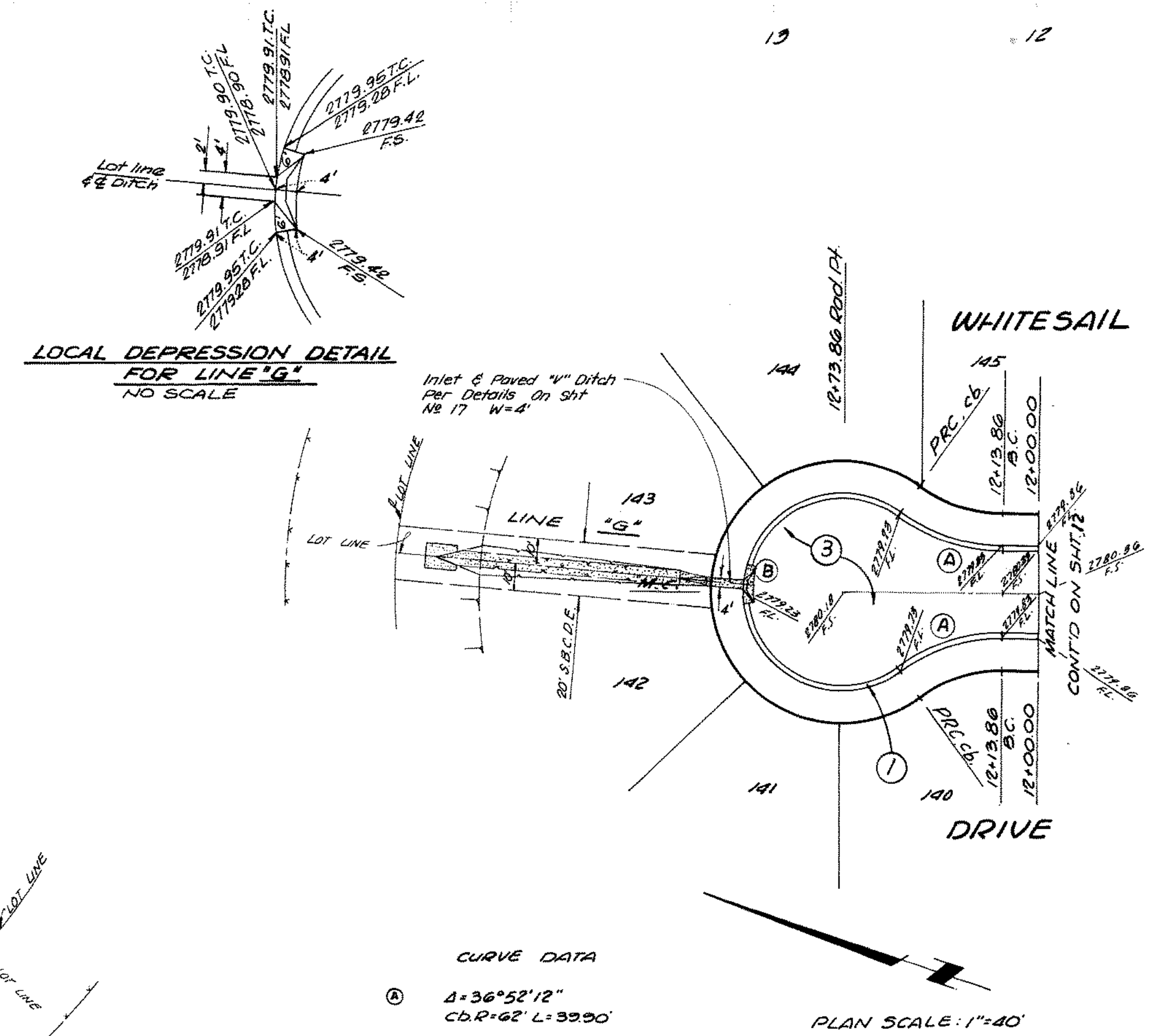
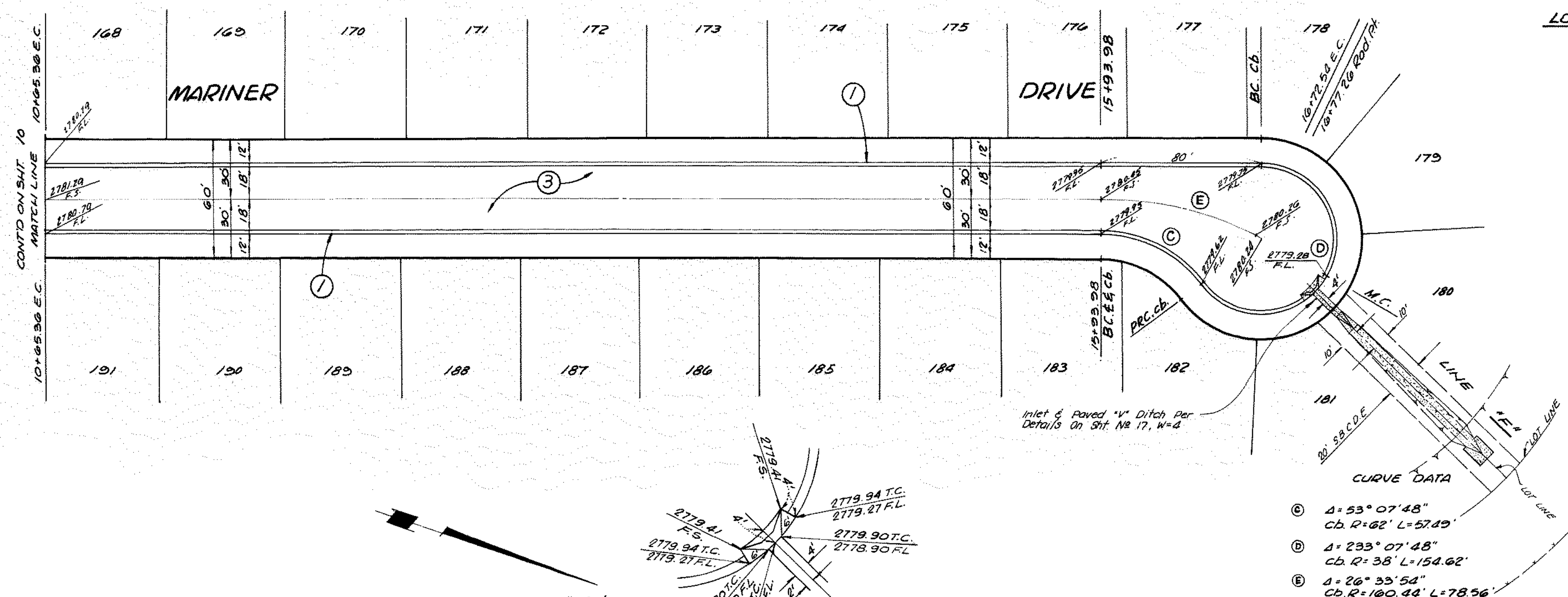
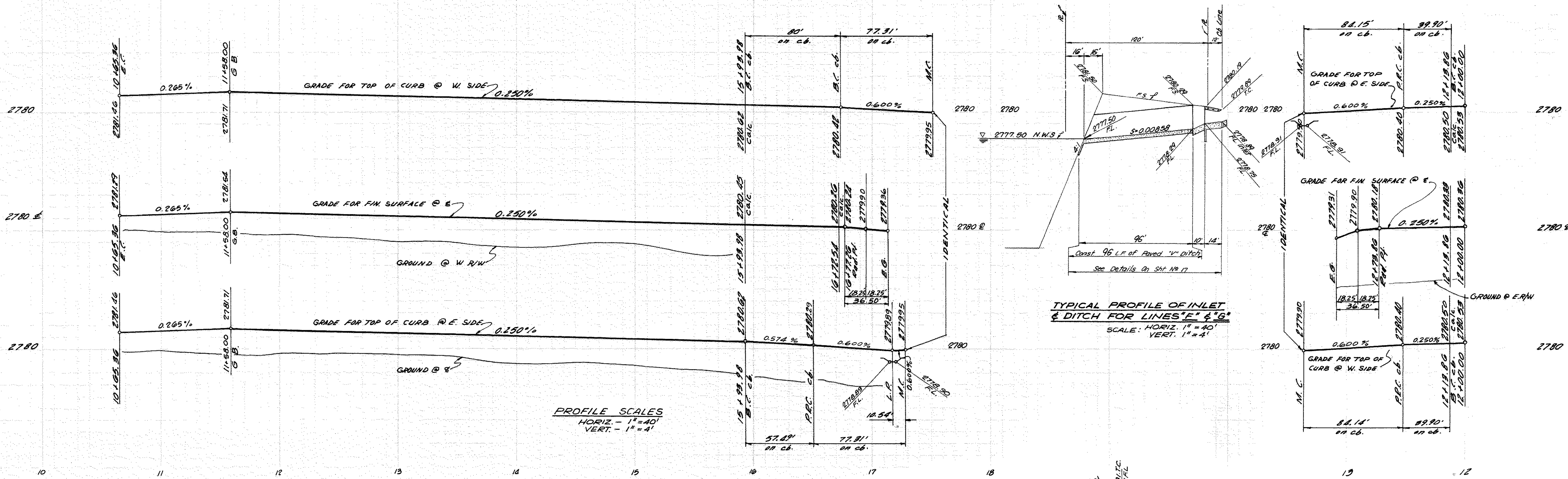
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 DRAWN BY
 CHECKED BY
 RECOMMENDED BY

APPROVED BY
 ASST. ROAD COMMISSIONER-ENGR. DATE

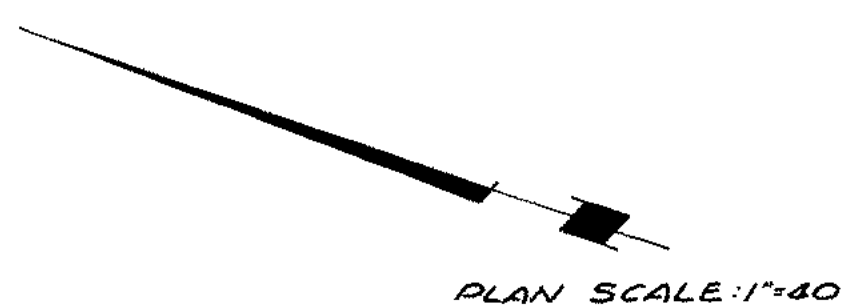
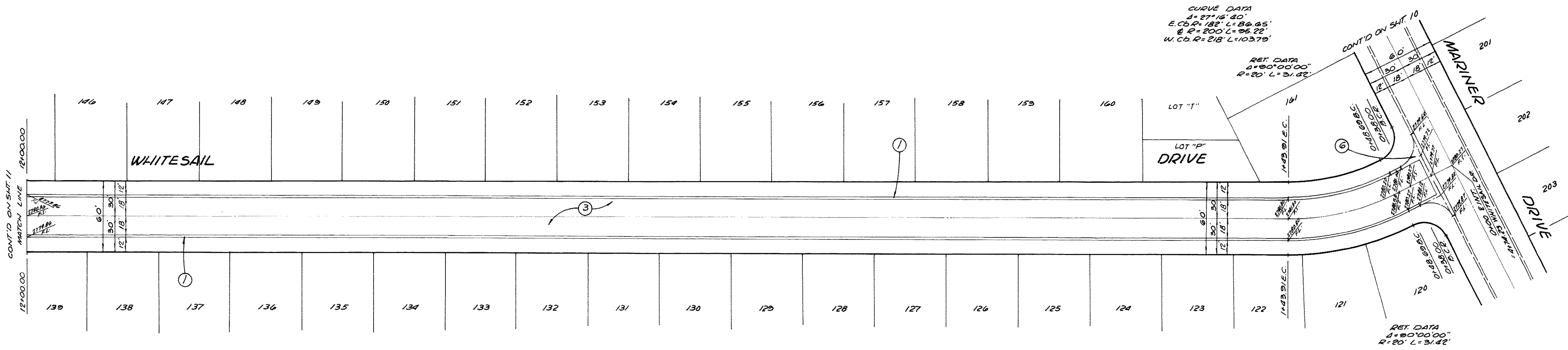
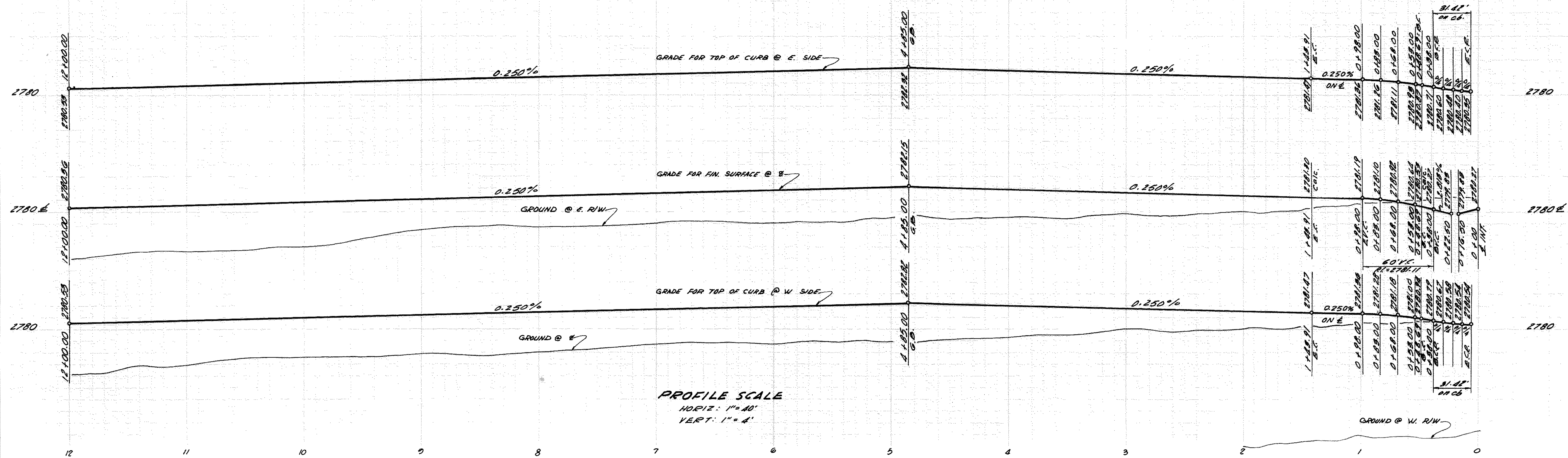
COUNTY ENGINEER DATE

IMPROVEMENT PLANS
TRACT NO. 8102
MARINER DRIVE

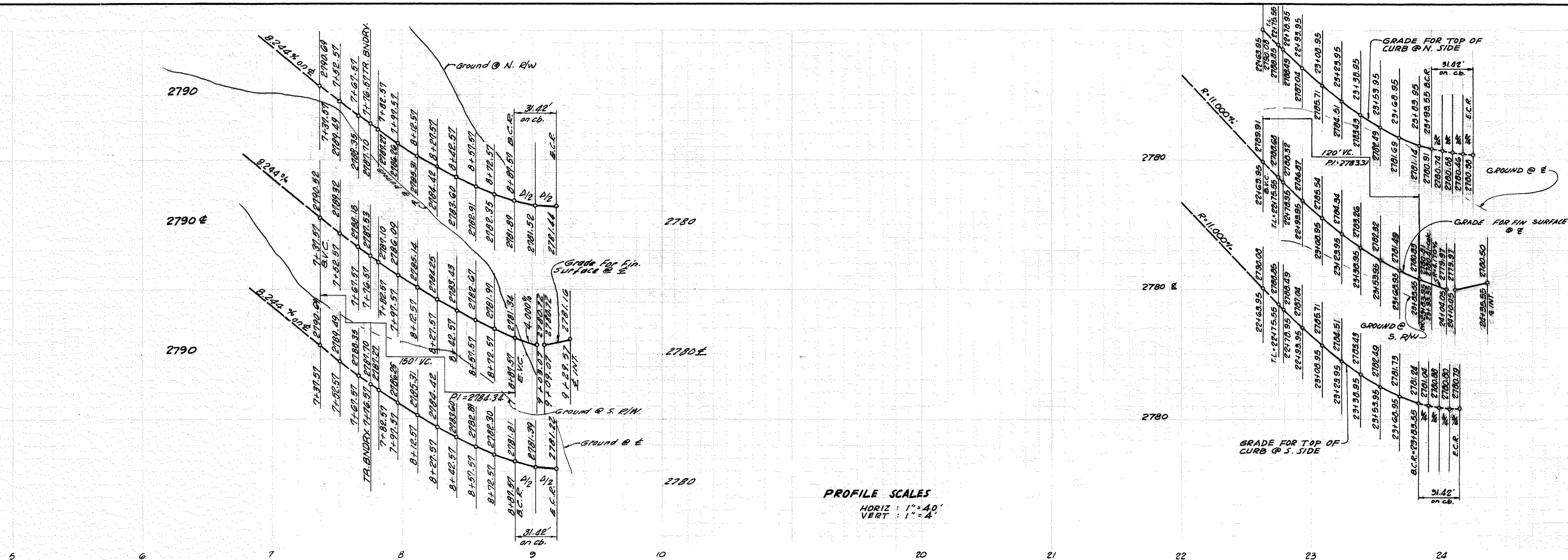
W. O. NO.
 ROAD NO.
 FILE NO.
 SHEET 10 of 17



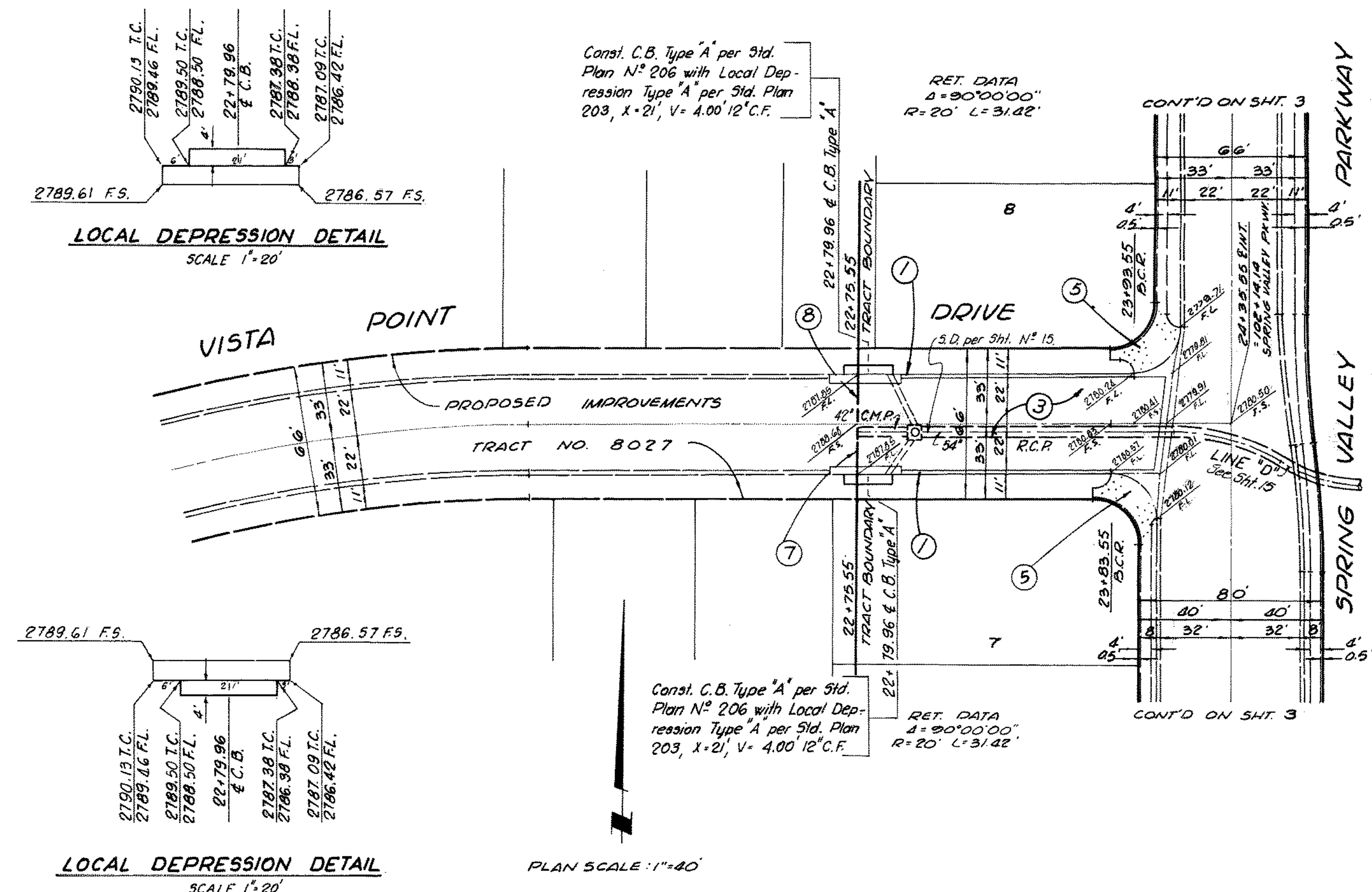
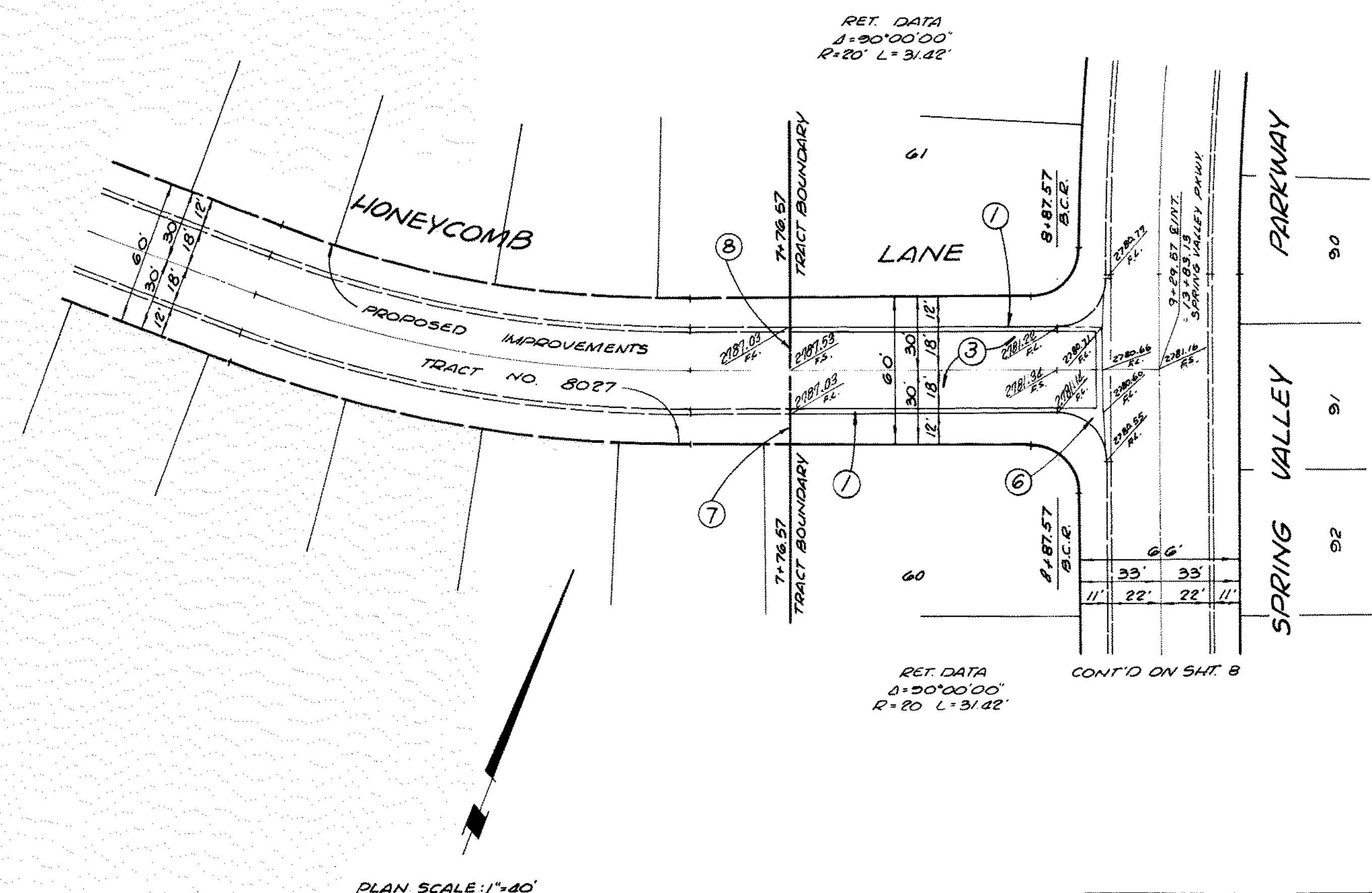
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102 MARINER DRIVE WHITESAIL DRIVE		W. O. NO. ROAD NO. FILE NO. SHEET <u>11</u> of <u>17</u>
BY: <u>G.M. CUMBEY</u> SIGNATURE <u>[Signature]</u> R.E. No. J4297		DESIGNED BY DRAWN BY <u>[Signature]</u> CHECKED BY <u>[Signature]</u> RECOMMENDED BY <u>[Signature]</u> CHIEF DESIGN ENGINEER		APPROVED BY <u>[Signature]</u> ASST. ROAD COMMISSIONER-ENGR. DATE <u>4-22-77</u> COUNTY ENGINEER DATE		
FIELD BOOK REF.		MARK REVISIONS		APPR DATE		



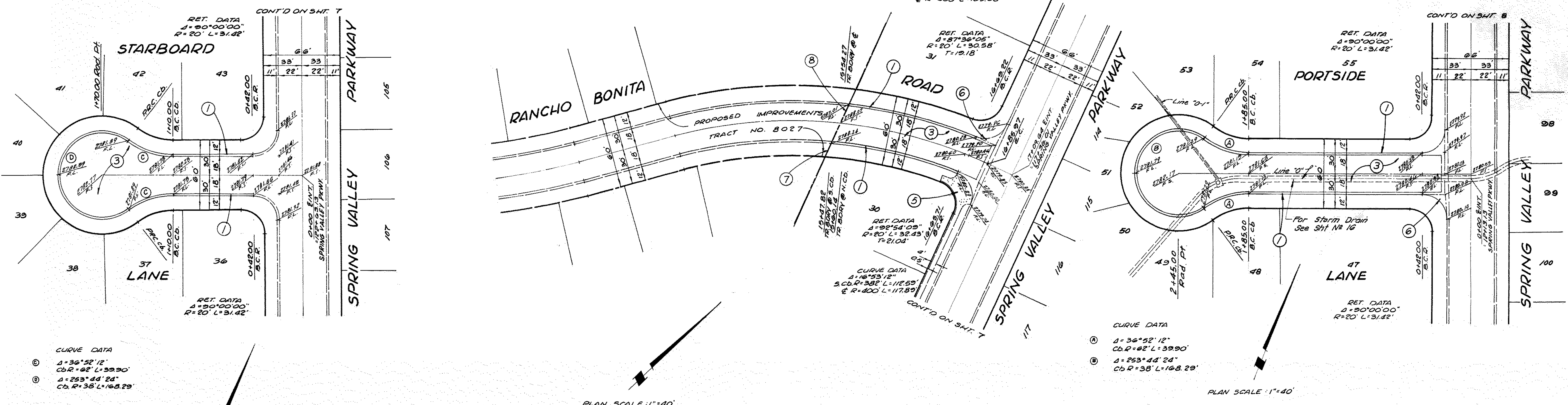
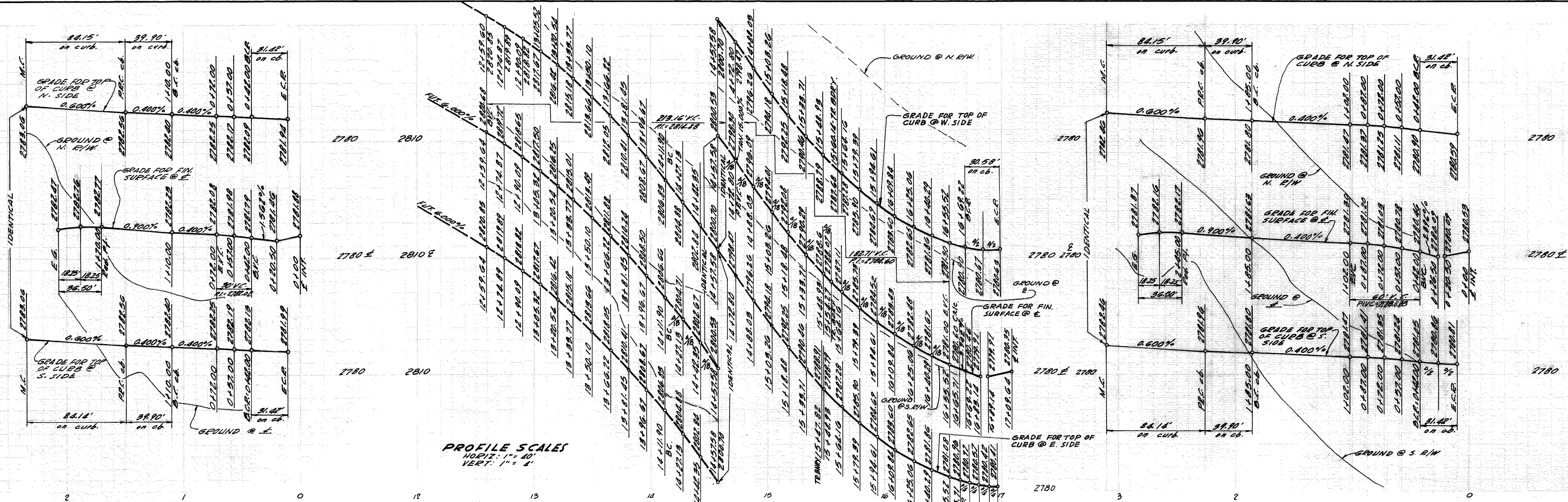
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102 WHITESAIL DRIVE		W. O. NO.	
BY: G. M. CUMBEY SIGNATURE <i>G. M. Cumbe</i> R. E. NO. 12297				DESIGNED BY DRAWN BY CHECKED BY <i>G. W. Kinner</i> RECOMMENDED BY <i>G. W. Kinner</i> CHIEF DESIGN ENGINEER		APPROVED BY ASST. ROAD COMMISSIONER/ENGR. DATE COUNTY ENGINEER DATE		ROAD NO. FILE NO. SHEET <u>12</u> of <u>17</u>	



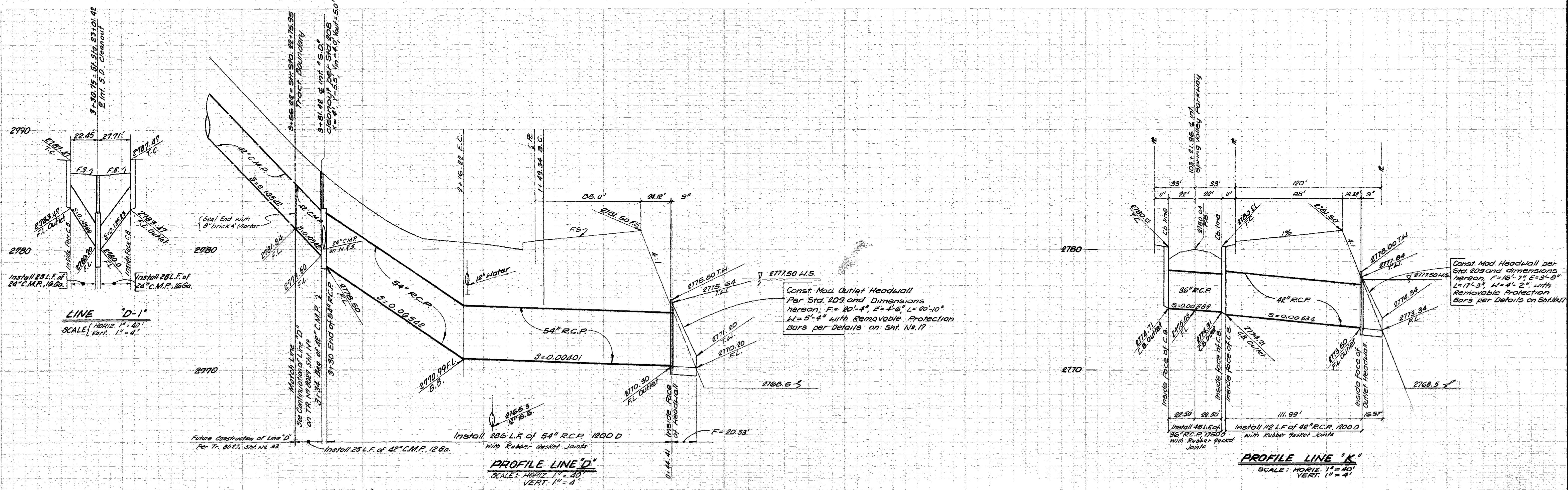
PROFILE SCALES
HORIZ : 1" = 40'
VERT : 1" = 4'



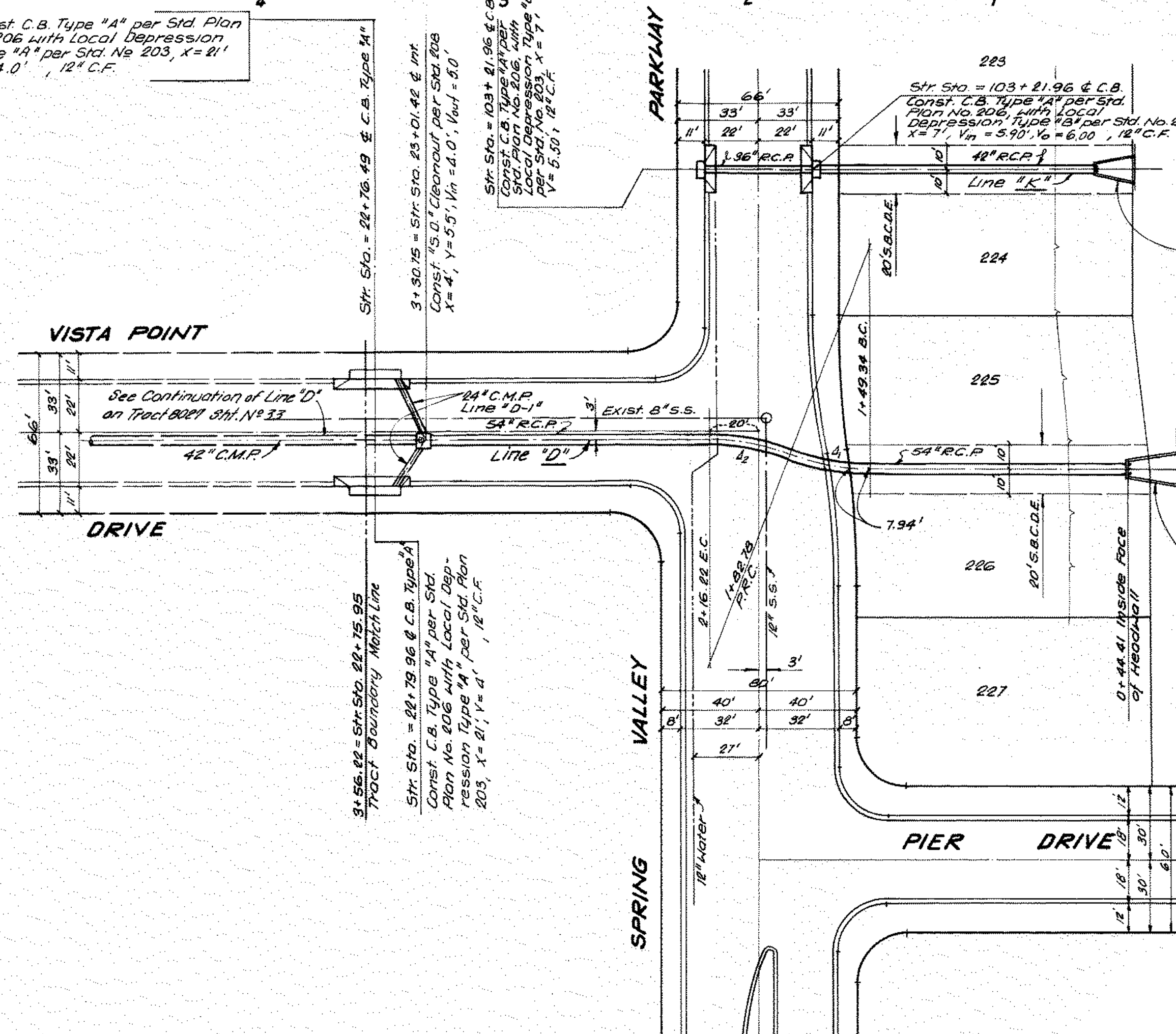
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102 VISTA POINT DRIVE HONEYCOMB LANE		W. O. NO.	
BY: G. M. CUMBEY SIGNATURE: <i>G. M. Cumbe</i> R. E. No. 12297				DESIGNED BY DRAWN BY CHECKED BY <i>G. M. Cumbe</i> RECOMMENDED BY <i>G. M. Cumbe</i> CHIEF DESIGN ENGINEER		APPROVED BY <i>W. O. No. 12297</i> ASST. ROAD COMMISSIONER-ENGR. DATE		ROAD NO.	
				DATE		DATE		FILE NO.	
				MARK		COUNTY ENGINEER		SHEET 13 of 17	



PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102 PORTSIDE LANE RANCHO BONITA ROAD STARBOARD LANE		W. O. NO. ROAD NO. FILE NO. SHEET 14 of 17	
BY: G. M. CUMBEY SIGNATURE <i>G. M. Cumbe</i> R. E. No. 4297		DESIGNED BY DRAWN BY CHECKED BY <i>J. W. K...</i> RECOMMENDED BY CHIEF ENGINEER		APPROVED BY <i>William H. ...</i> ASST. ROAD COMMISSIONER DATE		COUNTY ENGINEER DATE			
MARK		REVISIONS		APPR DATE		COUNTY ENGINEER			



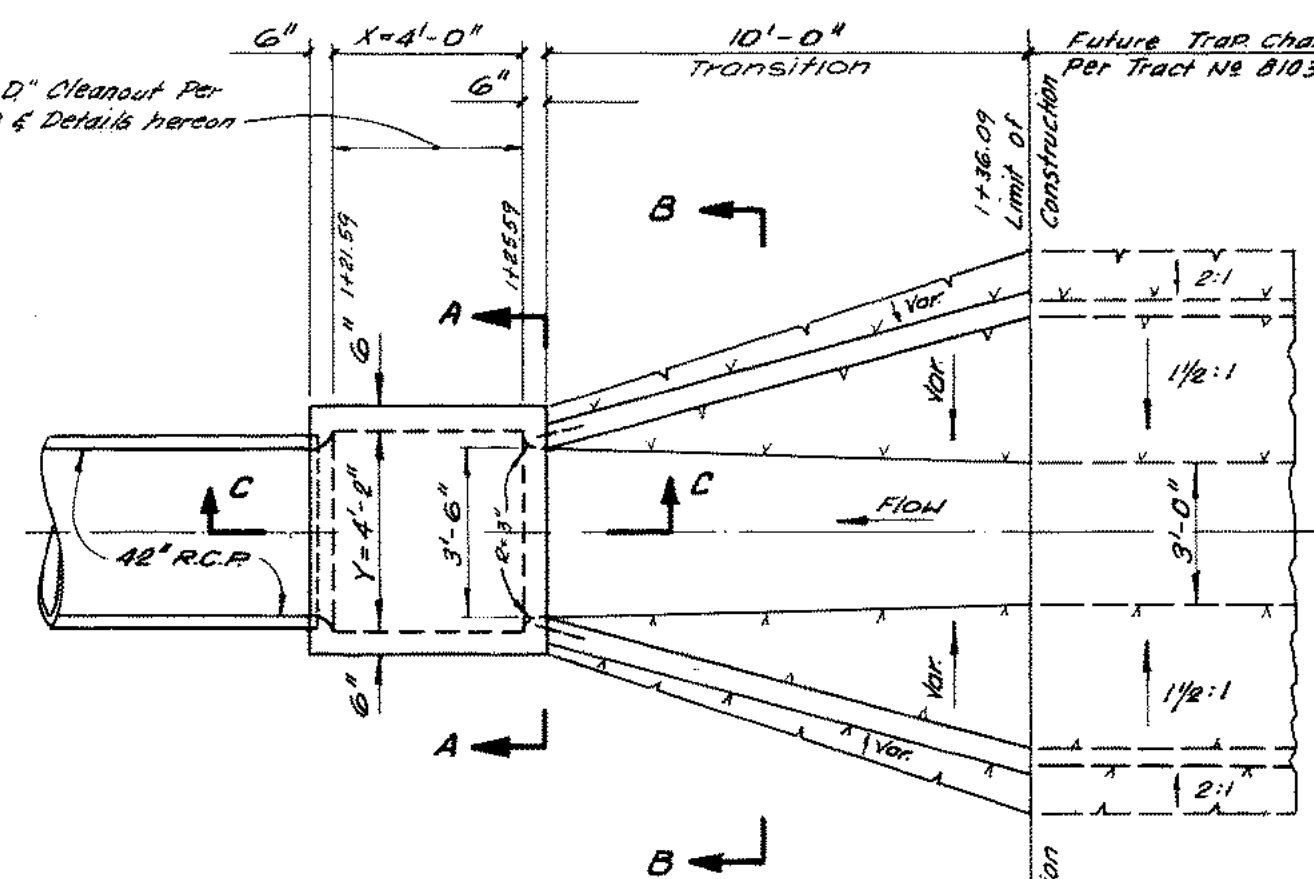
Const. C.B. Type "A" per Std. Plan No. 206 with Local Depression Type "A" per Std. No. 203, $X=8'$, $V=4.0'$, $12" C.F.$



Const. Mod. Headwall per Std. 209 and dimensions hereon, $F=16'-11"$, $E=3'-2"$, $L=11'-3"$, $N=4'-2"$ with Removable Protection Bars per Details on Sht. No. 17

Const. Mod. Outlet Headwall per Std. 209 and dimensions hereon, $F=20'-4"$, $E=4'-6"$, $L=20'-10"$, $N=5'-4"$ with Removable Protection Bars per Details on Sht. No. 17

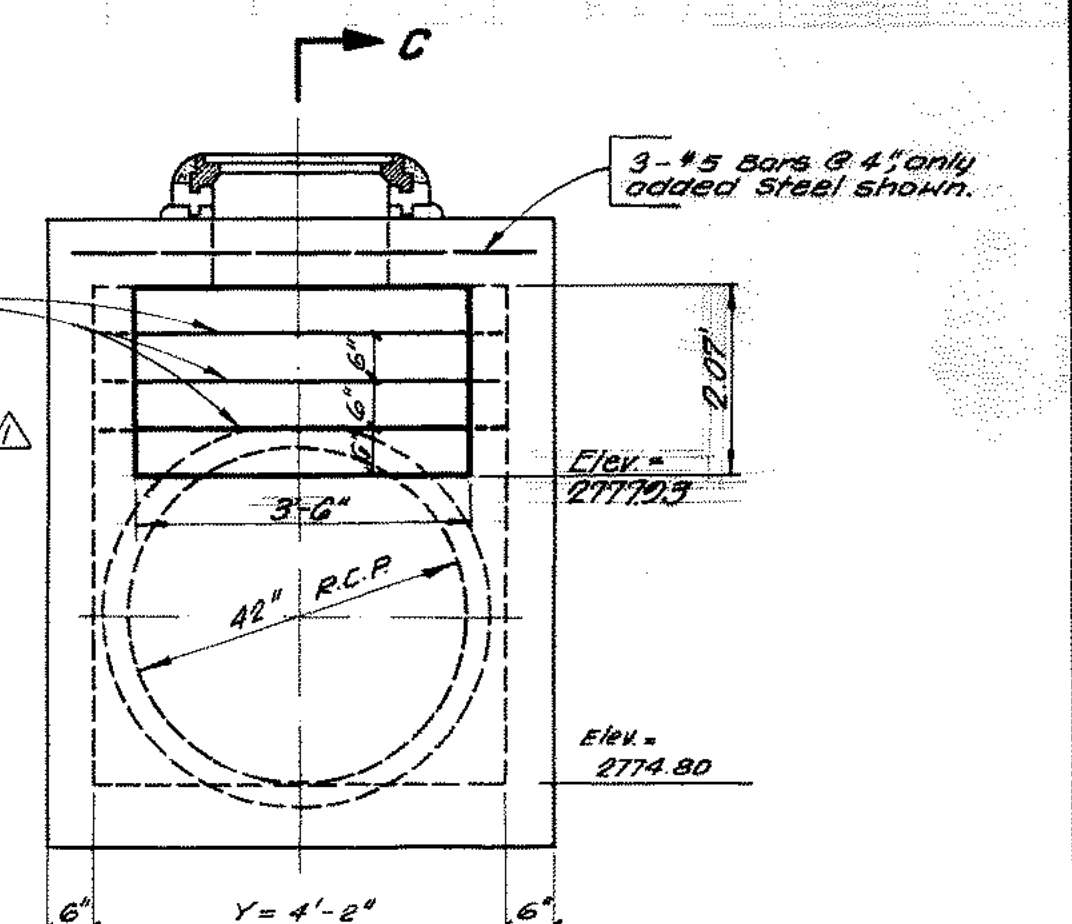
5" S.D. Curve Data
 $A_1 = 24 = 21' 7 1/2"$
 $R = 30.00'$
 $L = 33.44'$
 $T = 16.91'$
 Max. Deflection $\frac{1}{2}$ per Elbow



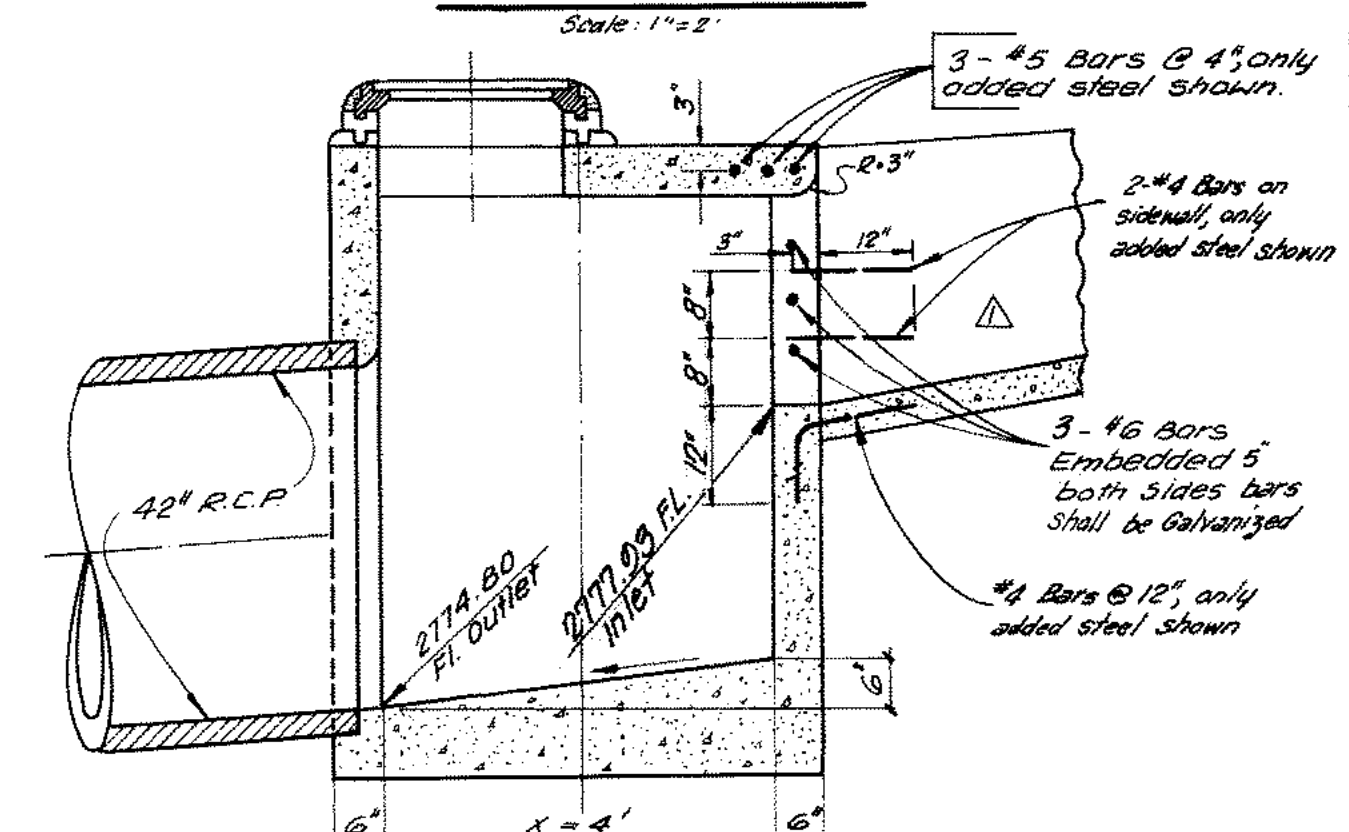
PLAN
 Scale: 1" = 4'

SECTION 'B-B'
 Scale: 1" = 4'

DETAILS OF INLET & MODIFIED STORM DRAIN CLEANOUT FOR LINE 'L' (Sht. 3)

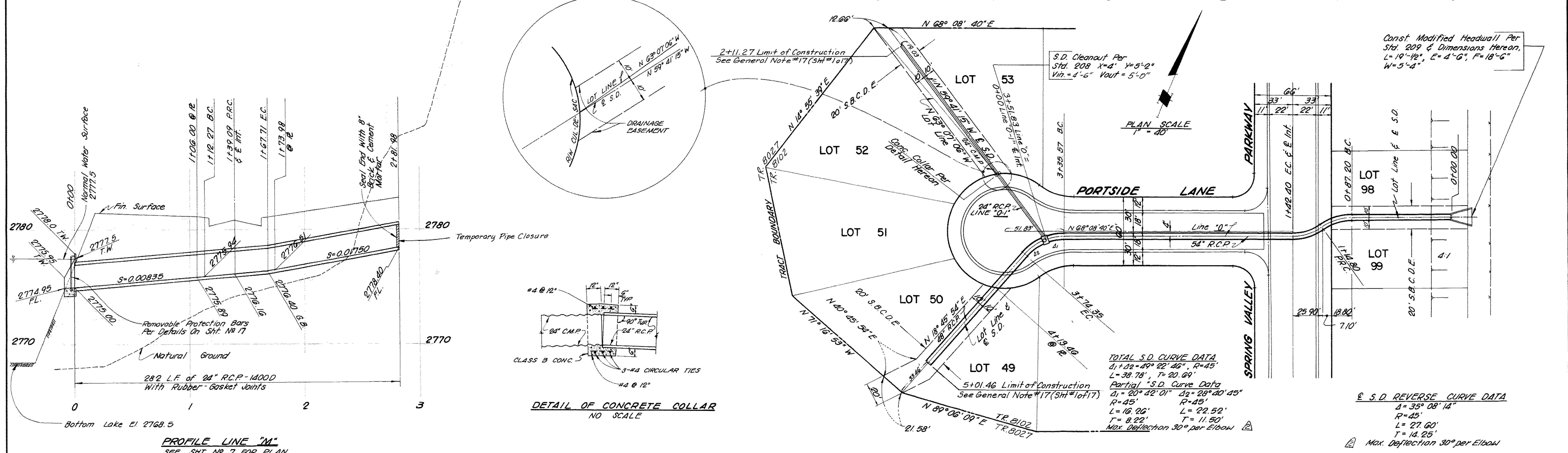
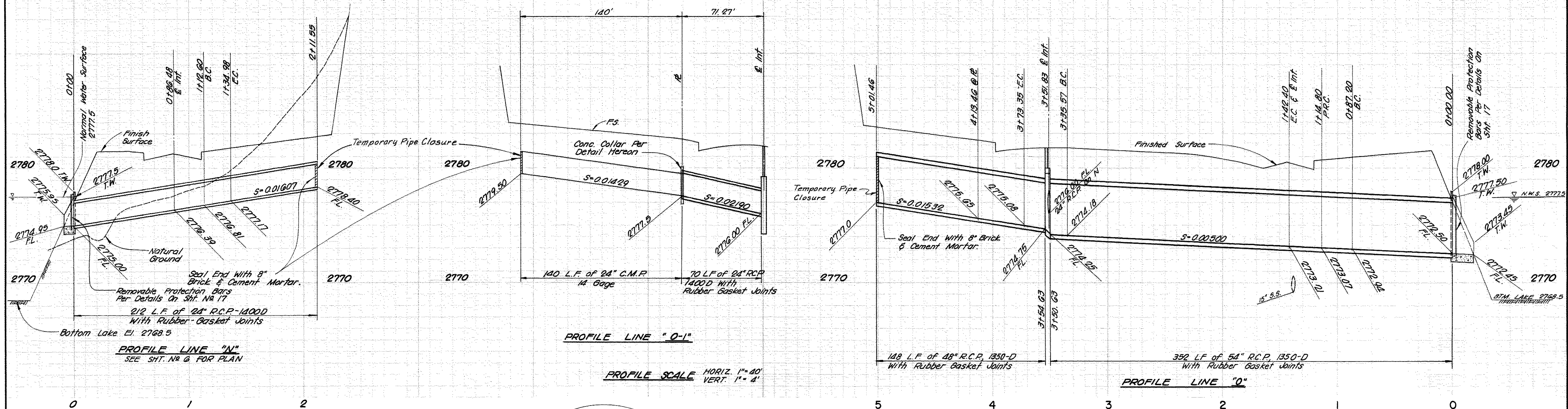


SECTION 'A-A'
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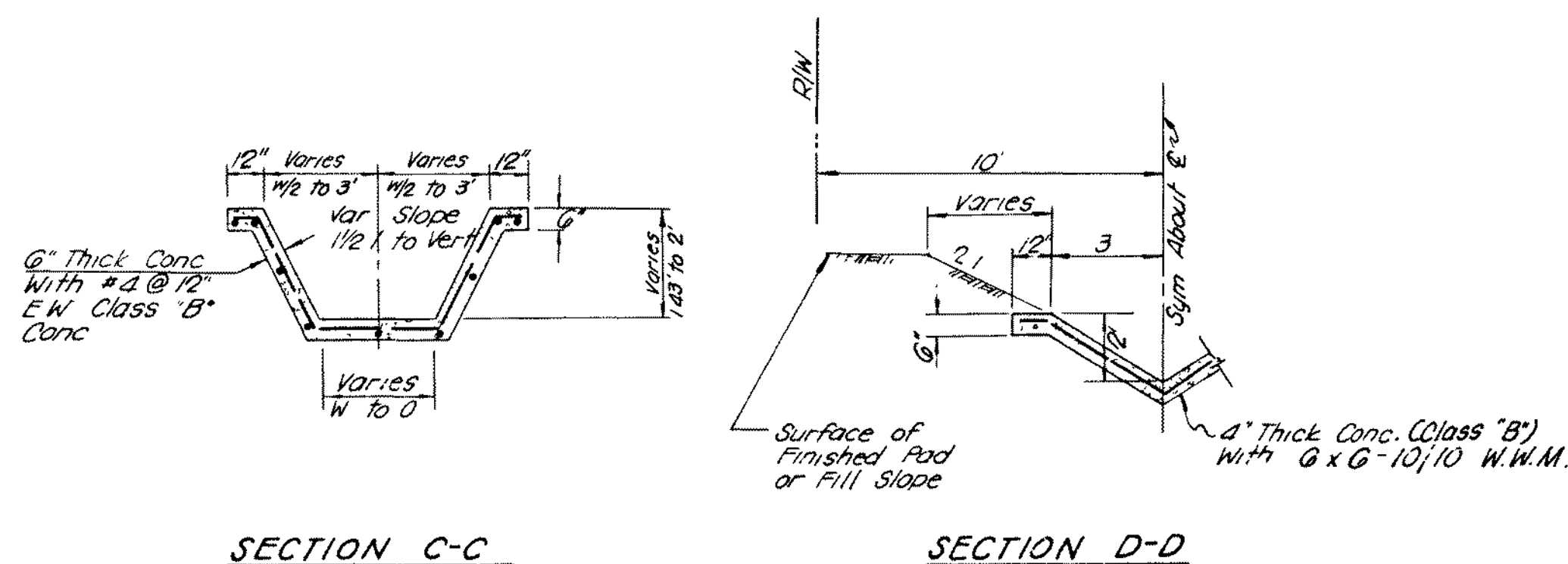
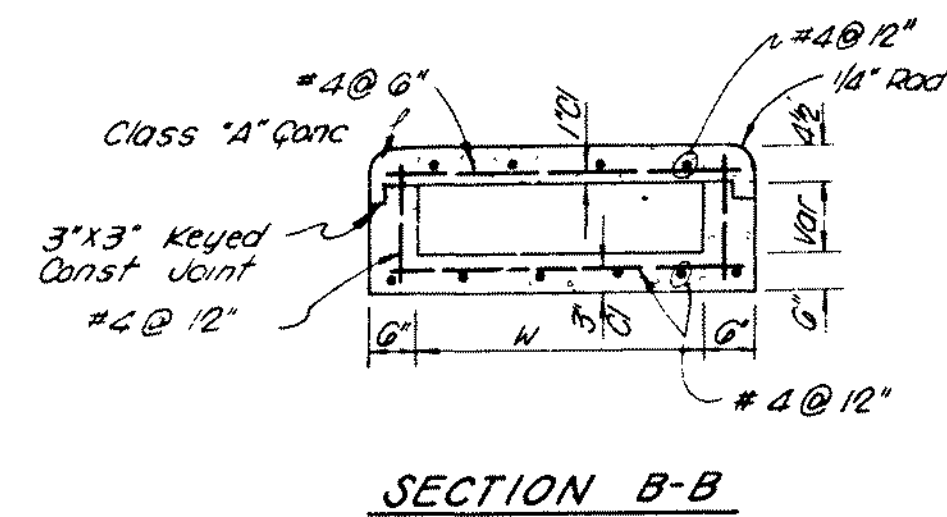
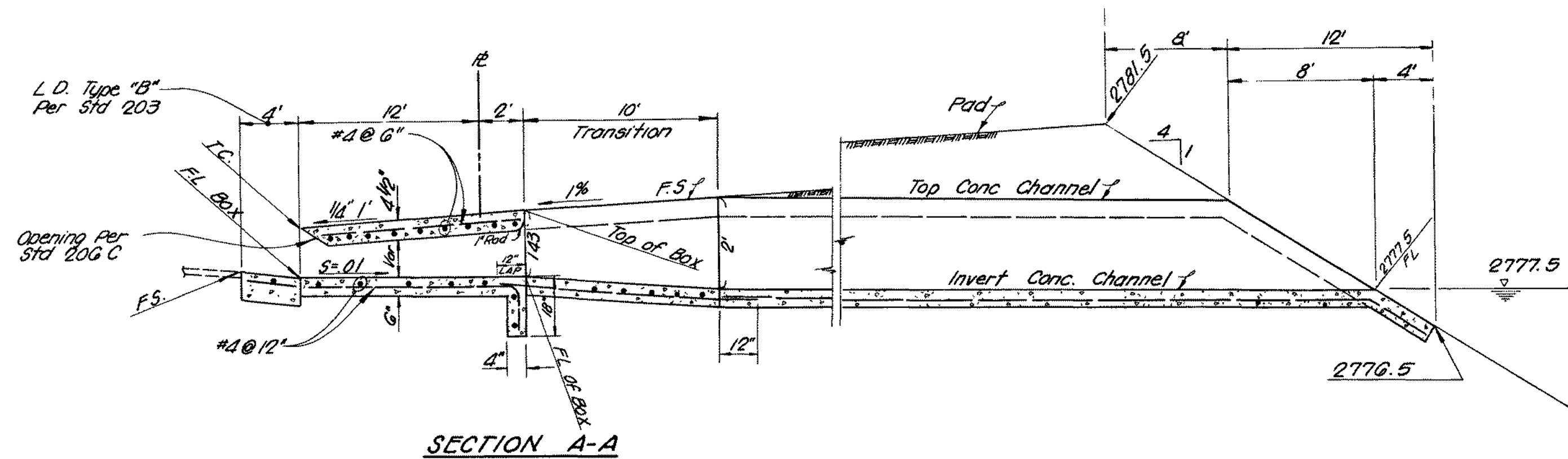
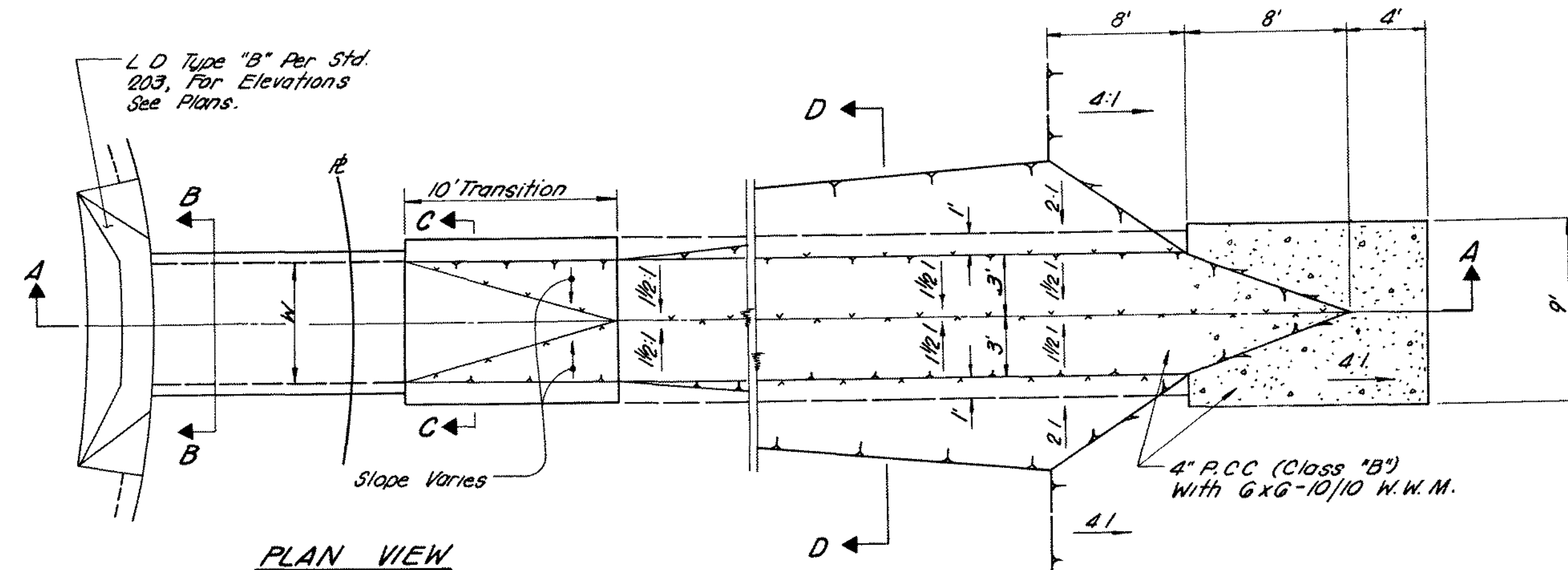


SECTION 'C-C'
 Scale: 1" = 2'

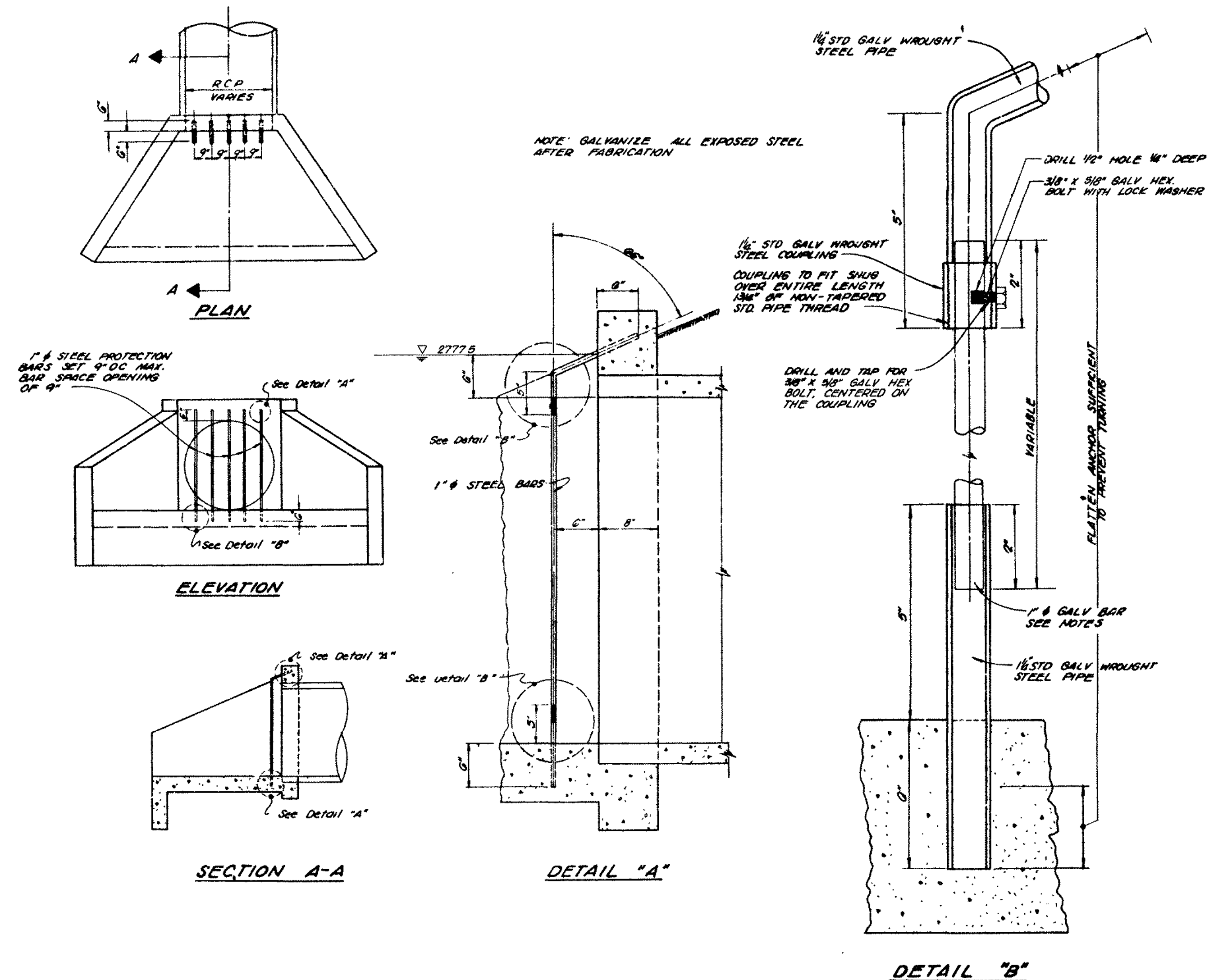
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. 1 Changed Inlet Size of Mod. S.D. 2/7/20 2 Added maximum deflection note 3/8/20		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS		W. O. NO.	
BY: G. M. CUMBEY		DESIGNED BY		APPROVED BY		TRACT NO. 8102		ROAD NO.	
SIGNATURE: <i>G. M. Cumbe</i> R.E. No. 14297		CHECKED BY: <i>G. W. Kuma</i>		ASST. ROAD COMMISSIONER-ENGR. DATE		STORM DRAIN DETAIL		FILE NO.	
MARK		REVISIONS		APPR DATE		LINE 'K' & 'D'		SHEET 15 of 17	
		CRITY DESIGN ENGINEER		COUNTY ENGINEER					



PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. Added maximum deflection note 9/1/70		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102		W. O. NO. ROAD NO.	
BY: G.M. CUMBEY SIGNATURE: <i>G.M. Cumbe</i> R.E. NO. 4297		DESIGNED BY DRAWN BY CHECKED BY <i>G.W. Kuma</i> RECOMMENDED BY <i>G.W. Kuma</i> CHIEF DESIGN ENGINEER		APPROVED BY <i>William H. Palmer</i> 4-23-70 ASST. ROAD COMMISSIONER-ENGR. DATE		STORM DRAINS		FILE NO.	
MARK		REVISIONS		APPR DATE		COUNTY ENGINEER		DATE	
								SHEET 16 of 17	

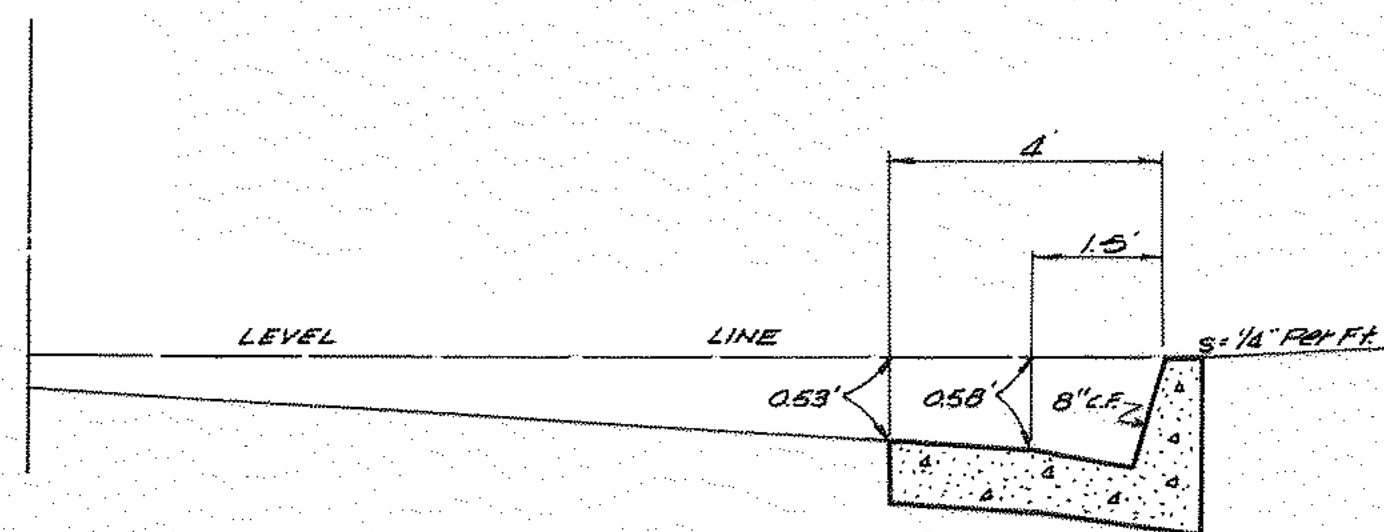


DETAILS OF INLET & DITCH
NO SCALE

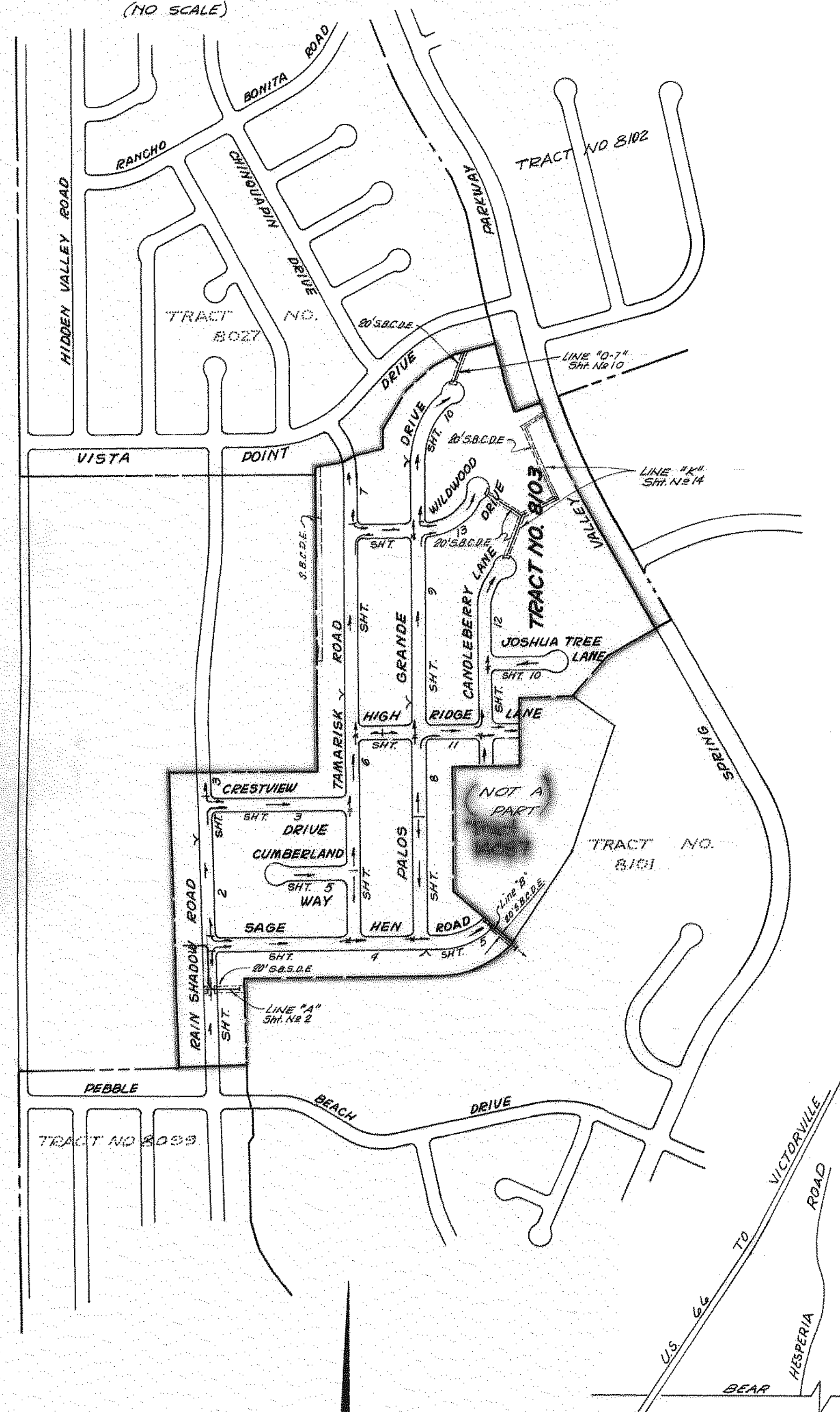


REMOVABLE PROTECTION BARS
FOR OUTLET HEADWALL
NO SCALE

PLANS PREPARED BY McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8102		W. O. NO.	
BY: G. M. CUMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE <i>G. M. Cumbe</i> R.E. No. 12297				CHECKED BY <i>G. M. Cumbe</i>		<i>W. J. P. [Signature]</i> 4-23-79 ASST. ROAD COMMISSIONER-ENGR. DATE		FILE NO.	
				RECOMMENDED BY <i>G. M. Cumbe</i> CHIEF DESIGN ENGINEER		COUNTY ENGINEER		SHEET 17 of 17	
MARK		REVISIONS		APPR. DATE		DATE			

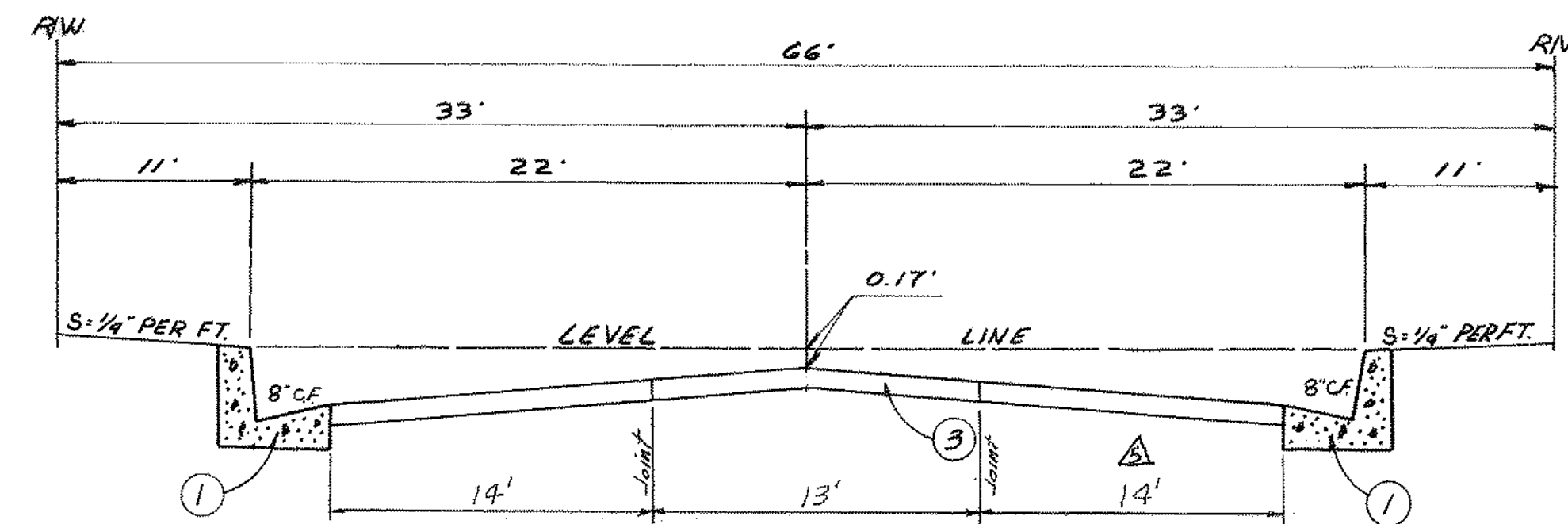


TYPICAL SECTION AT END OF
LOCAL DEPRESSION
(NO SCALE)

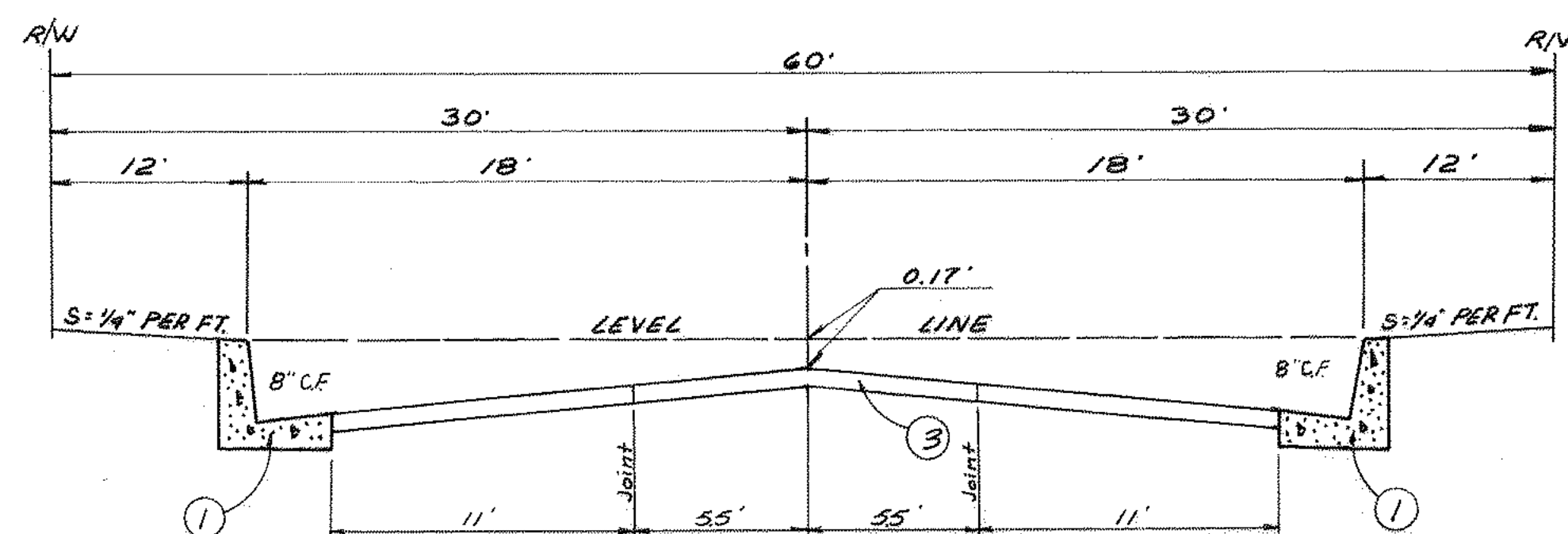


KEY MAP
SCALE: 1" = 400'

NOTE:
THE LONGITUDINAL JOINTS, AS REFERRED TO IN SEC. 35-6.01
OF THE STATE STANDARD SPECIFICATIONS SHALL BE
MODIFIED AS SHOWN ON THIS SHEET.



TYPICAL SECTION FOR 66' R/W
(NO SCALE)



TYPICAL SECTION FOR 60' R/W
(NO SCALE)

ROAD STRUCTURAL SECTION TABLE

STREET NAME	FROM STA.	TO STA.	A.C.	A.B.	CLASS
RAIN SHADOW ROAD	27+47.99	40+32.00	0.17	0.60	3
CRESTVIEW DRIVE	0+20.50	6+37.46	0.17	0.60	3
CUMBERLAND WAY	0+16.50	3+81.50	0.17	0	3
SAGE HEN ROAD	0+20.50	6+28	0.17	0.60	3
SAGE HEN ROAD	6+28	9+28	0.17	0.35	3
SAGE HEN ROAD	9+28	12+80.07	0.17	0	3
TAMARISK ROAD	0+22.50	6+73	0.17	0.60	3
TAMARISK ROAD	6+73	21+70.11	0.17	0	3
PALOS GRANDE DR	0+22.50	9+72	0.17	0.35	3
PALOS GRANDE DR	9+72	15+73	0.17	0	3
PALOS GRANDE DR	15+73	19+58	0.17	0.35	3
PALOS GRANDE DR	19+58	25+64.84	0.17	0	3
HIGH RIDGE LANE	0+22.50	2+77.50	0.17	0	3
HIGH RIDGE LANE	3+16.50	7+35.00	0.21	0.35	3
WILLOW DRIVE	0+16.50	1+33	0.17	0	3
WILLOW DRIVE	1+33	2+77.50	0.17	0.35	3
WILLOW DRIVE	3+16.50	4+71	0.17	0.35	3
WILLOW DRIVE	4+71	6+20.64	0.17	0	3
JOSHUA TREE LANE	0+22.50	3+47.50	0.17	0	3
CANDLEBERRY LANE	8+75	9+77.50	0.21	0.35	3
CANDLEBERRY LANE	10+16.50	18+26.21	0.17	0	3

CLASS III AGG. BASE SPECIFICATIONS

1. AGGREGATE GRADATION	2 1/2	100%
	#4	50 - 25%
	#3	20 - 65%
	#200	3 - 20%
2. SAND EQUIVALENT	30 MIN.	
3. R-VALUE	TO MIN.	
4. BASE SHALL BE OF SUCH CHARACTER THE WHEN WET IT WILL COMPACT TO FORM A FIRM, STABLE BASE		

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND THE 1966 STANDARD SPECIFICATIONS OF THE COUNTY OF SAN BERNARDINO.
- BENCH MARK: 0.9 MILE SOUTH OF INTERSECTION OF BEAR VALLEY ROAD AND A.T. & P.F.R. 44.2 WEST OF W/IRAIL OF W/IRAIL, 11.5' S. OF TEL. POLE 41 GE. 41 ELEV. 2983.144.
- AT THE COMPLETION OF ROUGH GRADING A MATERIAL REPORT AND THE PROPOSED STRUCTURAL SECTION SHALL BE SUBMITTED BY THE TRACT ENGINEER TO THE SUBDIVISION SECTION OF SAN BERNARDINO COUNTY ROAD DEPARTMENT FOR REVIEW AND EVALUATION. APPROVAL WILL BE GIVEN WHEN ALL STRUCTURAL SECTION REQUIREMENTS HAVE BEEN MET.
- A PERMIT WILL BE REQUIRED FROM THE SAN BERNARDINO COUNTY ROAD DEPARTMENT PRIOR TO ANY ENCROACHMENT OR CONSTRUCTION WITHIN THE ROAD DEPARTMENT'S EASEMENTS OR RIGHT OF WAYS.
- WHEN THE ROADBED HAS BEEN GRADED TO THE APPROXIMATE ELEVATION AND CROSS SECTION, ALL ROCKS AND LUMPS OF EARTH OVER 2 1/2 INCHES IN SIZE AND OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE UPPER 6" OF THE ROADBED AND DISPOSED OF IN LIEU OF THE REQUIREMENTS. THE CONTRACTOR MAY FURNISH AS AN ALTERNATE, 2 1/2 INCHES OF CLASS 2AB AS A COVER UPON WHICH TO PREPARE THE SUBGRADE.
- WHEN THE BASEMENT MATERIAL IS TO RECEIVE PAVING IT SHALL HAVE A MINIMUM "R" VALUE OF
- ALL LOTS SHALL BE GRADED TO PRECLUDE PONDING.
- STREET MARKERS PER SAN BERNARDINO COUNTY STD. NO. 303 AND NO. 303A SHALL BE CONSTRUCTED AT EACH INTERSECTION.
- ALL PIPELINES OR SUBSTRUCTURES OF ANY KIND (AND TELEPHONE OR POWER POLES, WATER METERS, VALVES, HYDRANTS, ETC.) NOT SHOWN ON THESE PLANS WITHIN THE LIMITS OF THIS SUBDIVISION OR IN ADJACENT AREAS WHERE IMPROVEMENT WORK IS TO BE DONE SHALL BE REMOVED OR RELOCATED AS REQUIRED AT NO COST TO THE SAN BERNARDINO COUNTY ROAD DEPARTMENT.
- WHEN CURB DEPRESSIONS ARE PROVIDED FOR DRIVEWAYS, COMPLETE DRIVEWAY CONSTRUCTION WILL BE REQUIRED IN ACCORDANCE WITH COUNTY ROAD DEPARTMENT STANDARD DRAWING NO. 128 AND RELATED SPECIFICATIONS.
- COMPACTION TESTS OF EMBANKMENT CONSTRUCTION, TRENCH BACKFILL AND ALL SUBGRADES SHALL BE PERFORMED AT NO COST TO SAN BERNARDINO COUNTY. A WRITTEN REPORT SHALL BE SUBMITTED TO THE CONTRACTS ADMINISTRATION DIVISION OF THE COUNTY ROAD DEPARTMENT FOR APPROVAL PRIOR TO THE PLACEMENT OF BASE MATERIALS AND/OR SURFACING.
- TEMPORARY BENCH MARK:
T.B.M. TOP 2" I.P. NORTHEAST CORNER LOT 73 IN TRACT NO. 8097 ELEV. 2878.79
- AT THE COMPLETION OF PAVING, A MATERIALS REPORT SHALL BE SUBMITTED TO THE CONTRACTS ENGINEER OF THE SAN BERNARDINO COUNTY ROAD DEPARTMENT LISTING ALL TESTS OR DETERMINATIONS COMPLETED TO VERIFY:
(a) R-VALUE, SIEVE ANALYSIS AND SAND EQUIVALENT OF AGGREGATE BASES.
(b) STABILITY, OIL CONTENT AND SIEVE ANALYSIS OF ASPHALT SURFACING.
- ROCKS FOR GROUTED RIP-RAP SHALL BE FACING CLASS WITH METHOD "B" PLACEMENT PER SECTION 78-5 OF STANDARD SPECIFICATIONS, JANUARY 1969, STATE OF CALIFORNIA DEPT. OF PUBLIC WORKS DIVISION OF HIGHWAYS. CONCRETE MAY BE SUBSTITUTED FOR THE GROUT.
- FLOOR OF CATCH BASIN SHALL SLOPE FROM ALL WALLS TO THE OUTLET. SLOPE PARALLEL WITH CURB SHALL BE 10:1 FOR X > 10' UNLESS OTHERWISE SHOWN ON PLAN. FOR X > 10' THE UPSTREAM END "V" DEPTH SHALL BE EQUAL TO THE CURB FACE PLUS 12 INCHES UNLESS OTHERWISE SHOWN ON PLAN.
- R.C.P. WITH RUBBER GASKET JOINTS SHALL CONFORM TO STATE OF CALIFORNIA STANDARD SPECIFICATION 65-1.06.

CONSTRUCTION NOTES

- Construct Curb & Gutter per Standard No 115
- Construct Asphalt Concrete Paving per Typical Section on Sheet No 1
- Construct Cross-Gutter per Standard No 119
- Construct Barricade per Standard No 305
- Construct End of Temporary Pavement per Standard No 305a

PLANS PREPARED BY:
McINTIRE & QUIROS INC.
670 MONTEREY PASS RD. MONTEREY PARK, CALIF.

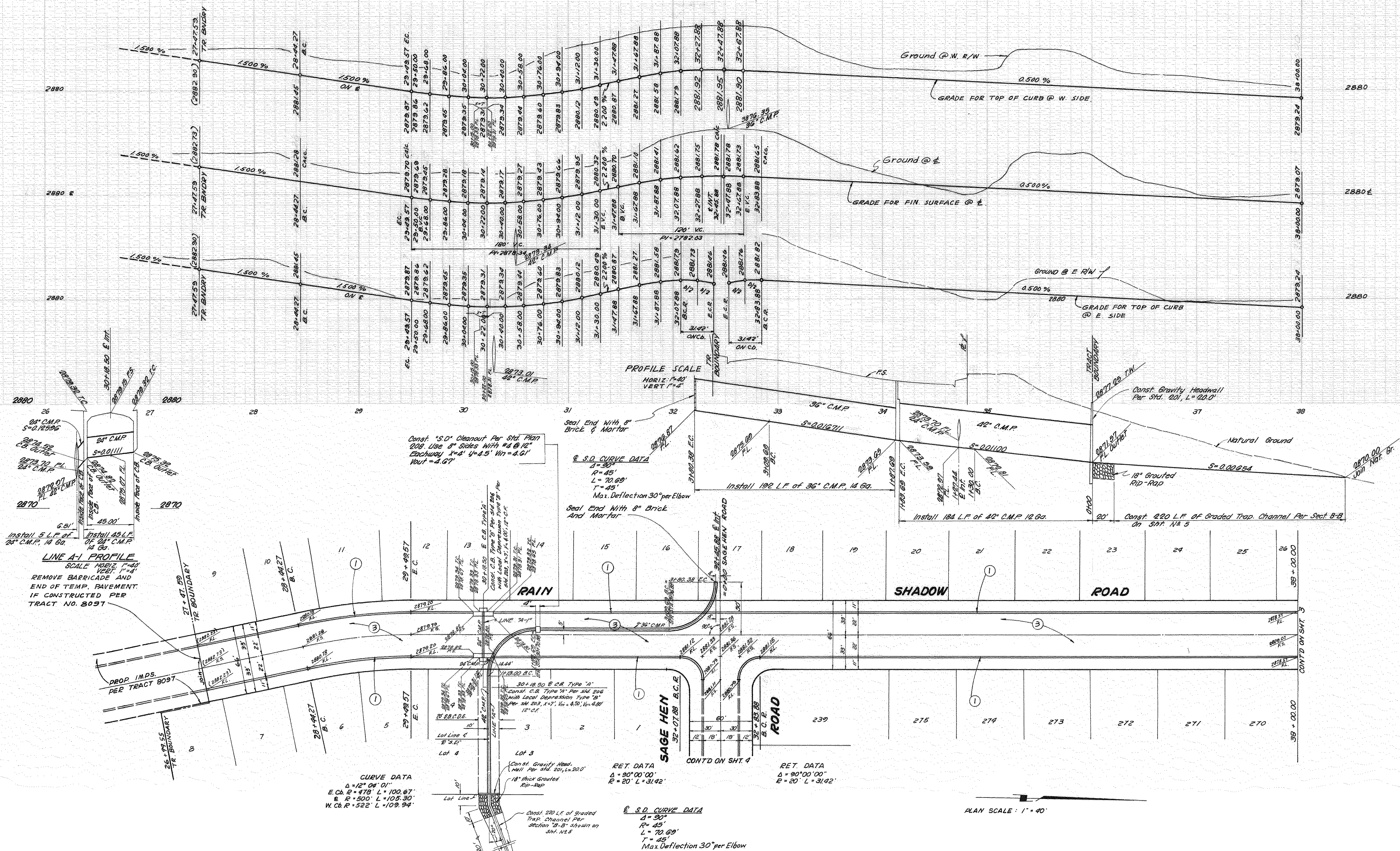
BY: G. M. CUMBEY

SIGNATURE: *G. M. Cumbe* R.E. NO. 4297

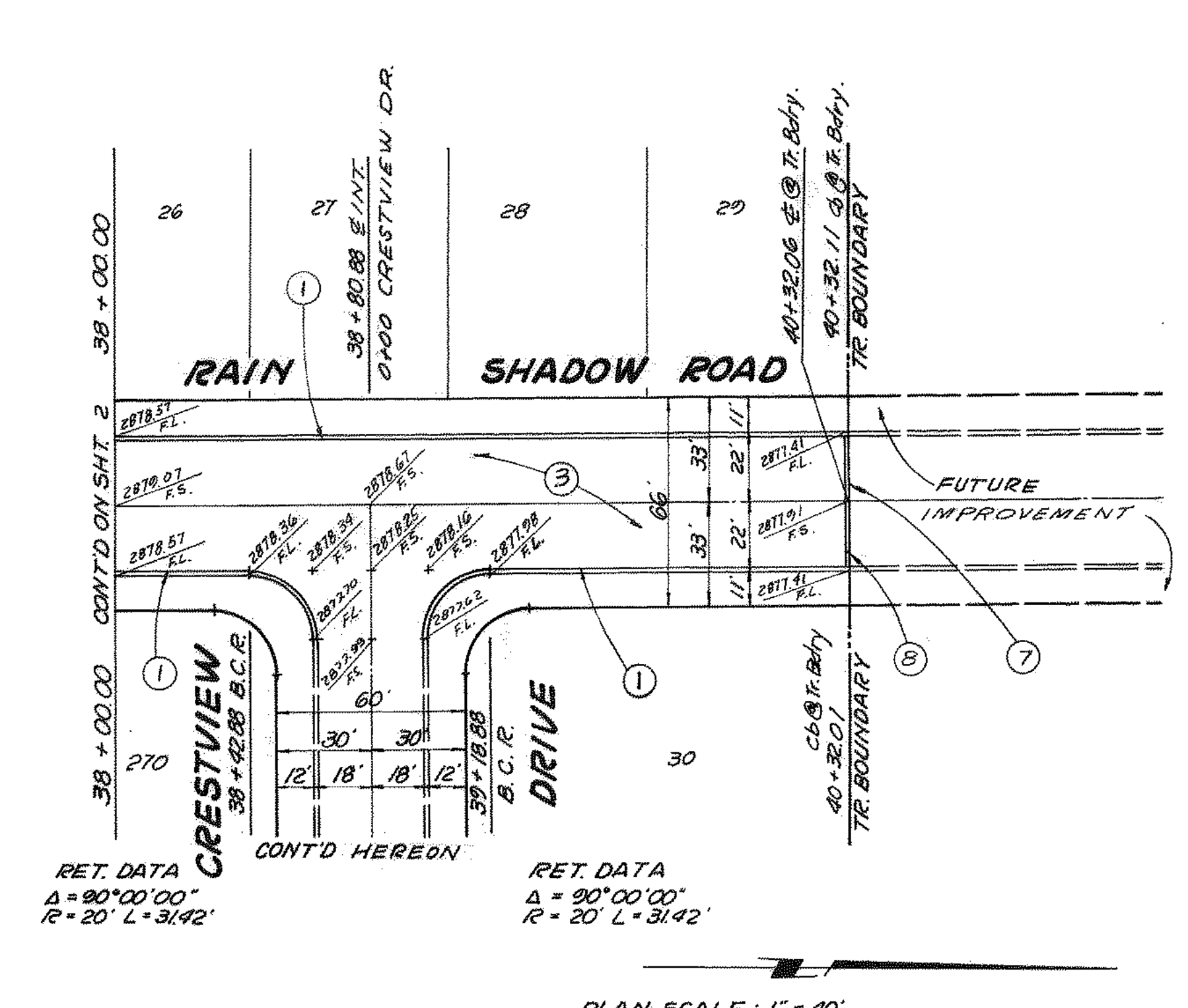
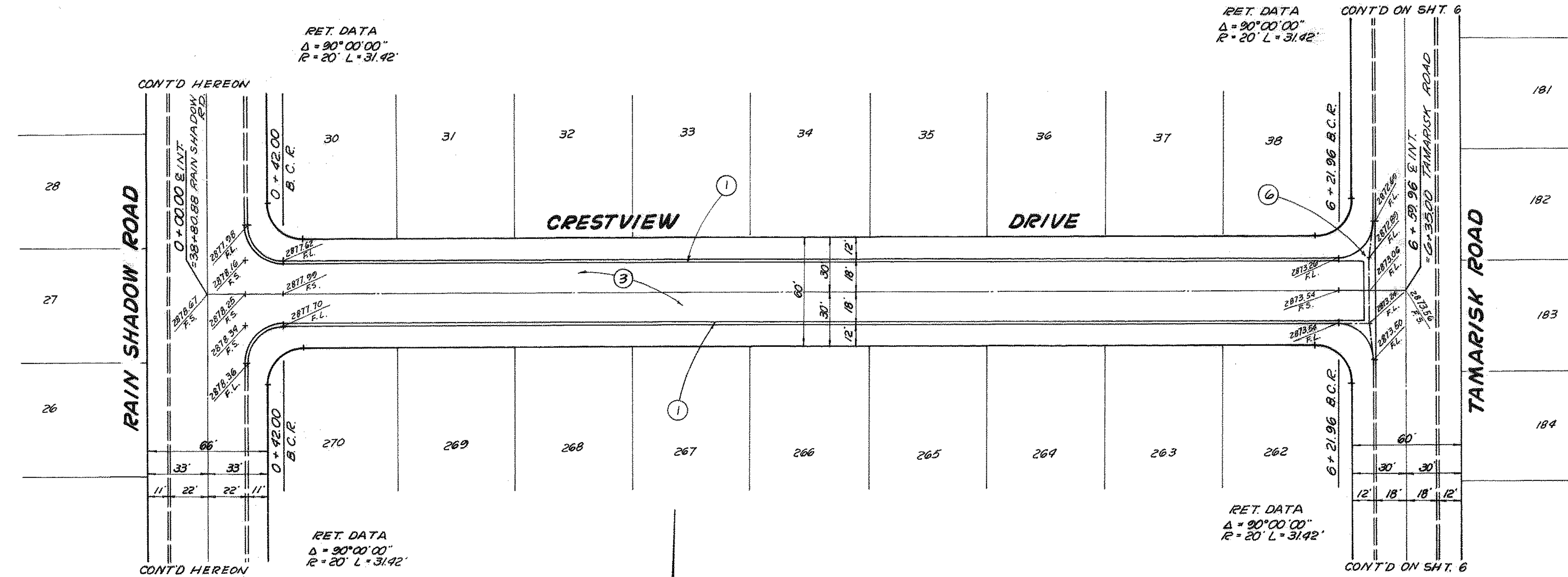
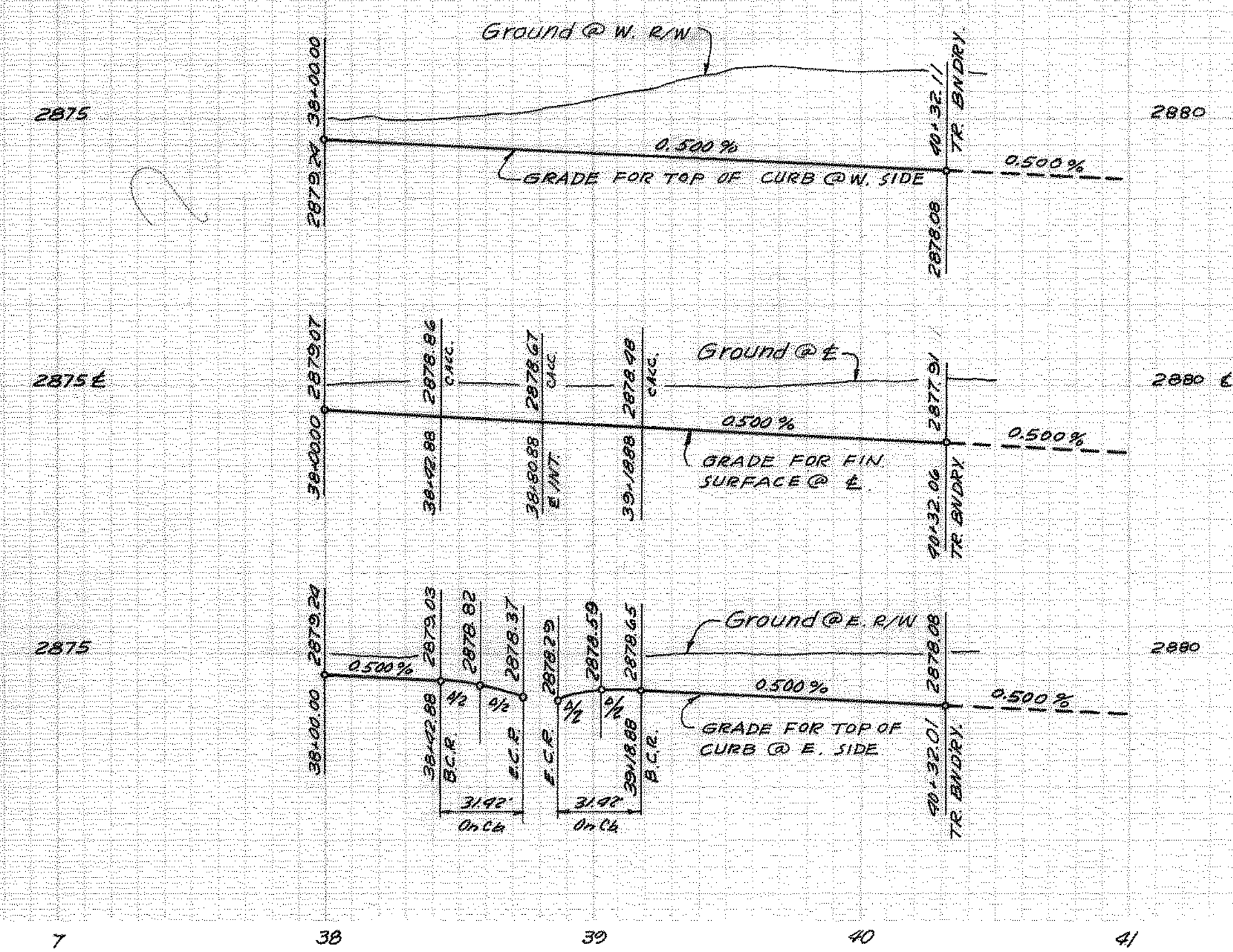
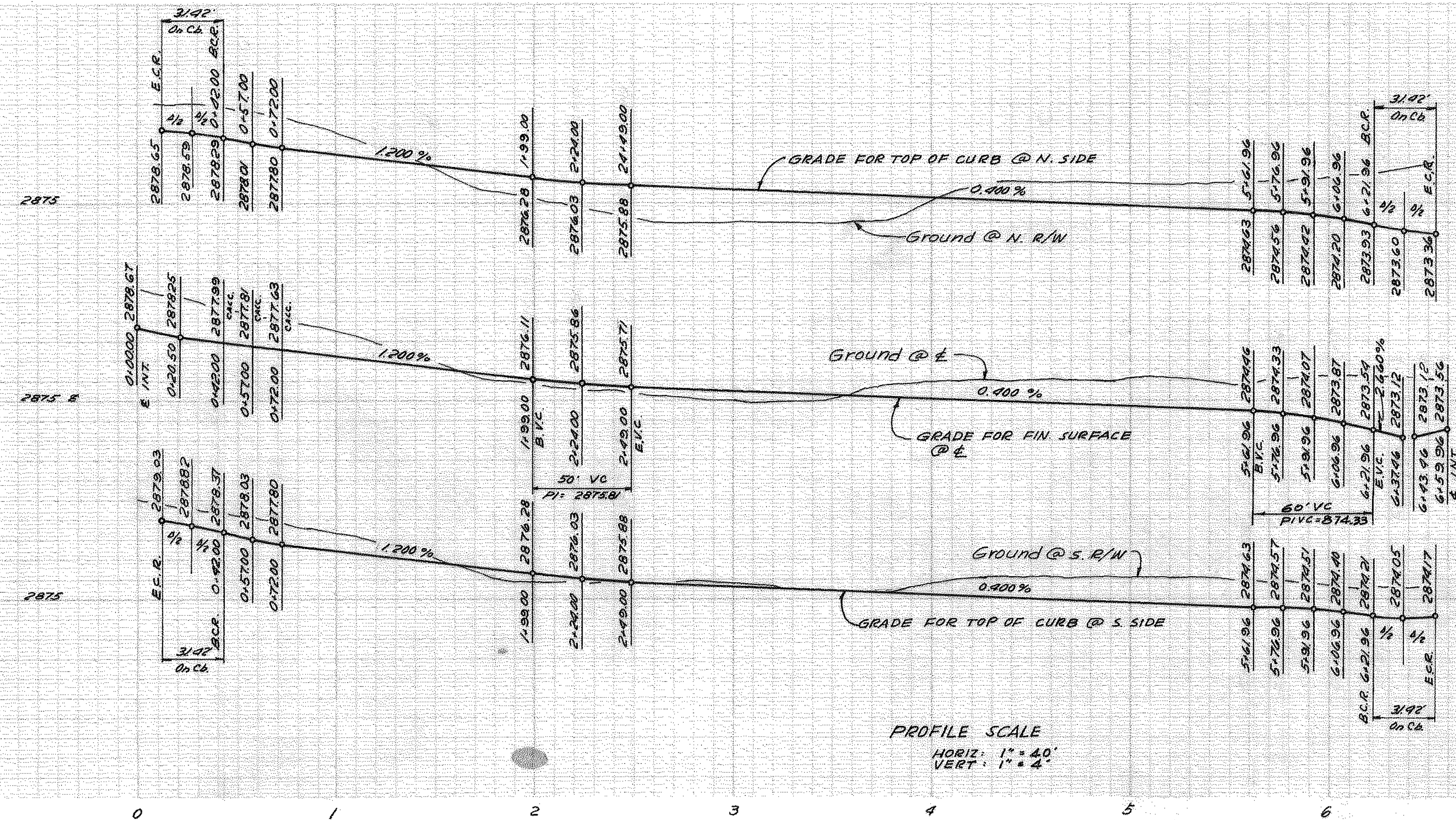
See Sht. 11	11/17/72
FIELD BOOK REF.	
See Sheet No 10	11/17/72
Added Street Struct Sec & Agg. Base Specs	11/17/72
Added note 13; Eliminated note 3	11/17/72
Rev Typ Sec. 60.46 R/W. Added Note	11/17/72
# Sec. at end of L.D.	
Rev Typ Sec. 66' R/W. Joint for Paving	6/14/72
MARK	REVISIONS
APPR	DATE

COUNTY OF SAN BERNARDINO ROAD DEPARTMENT	DESIGNED BY DRAWN BY CHECKED BY CHIEF DESIGN ENGINEER
APPROVED BY ASST. ROAD COMMISSIONER-ENGR. DATE	COUNTY ENGINEER DATE

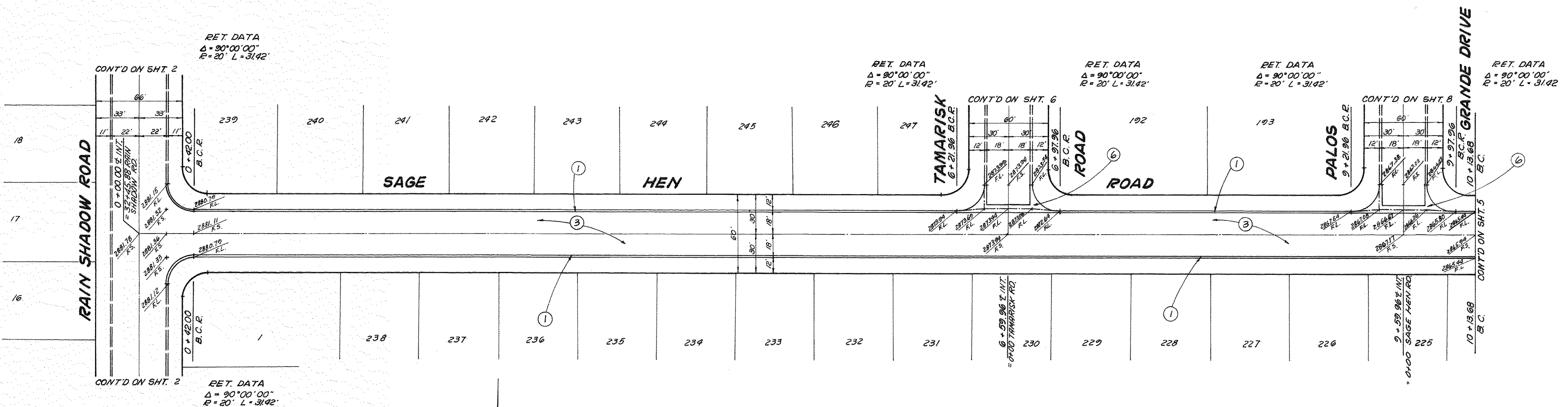
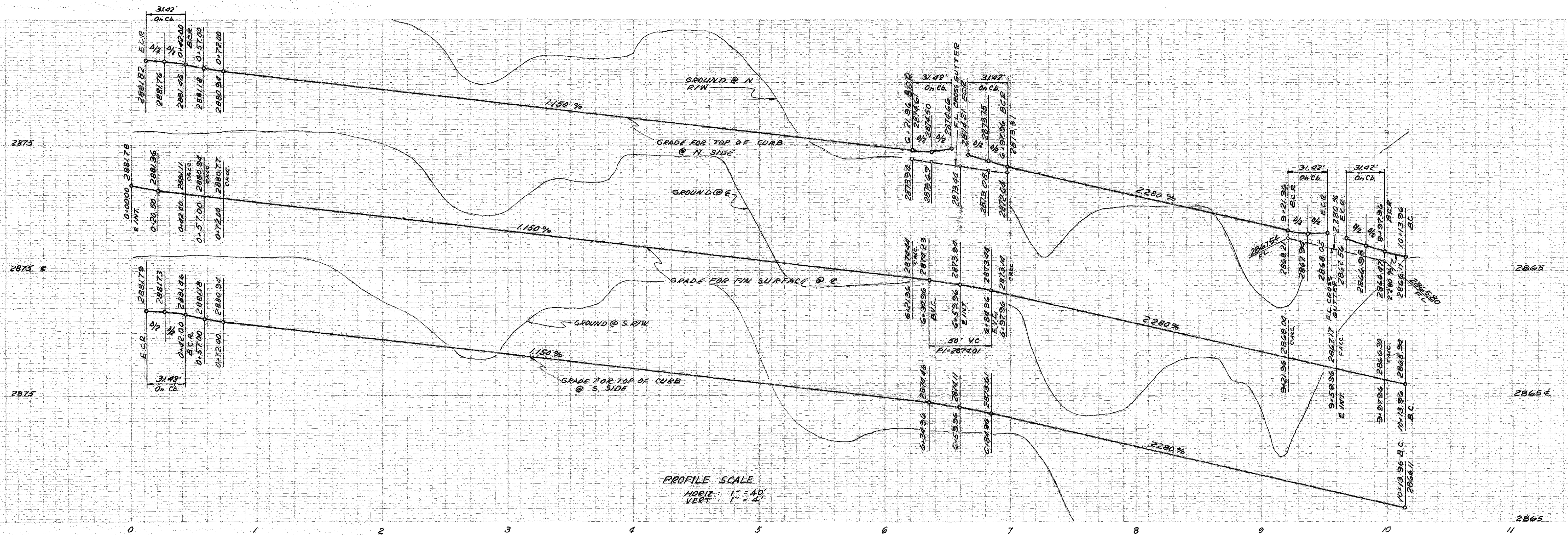
IMPROVEMENT PLANS TRACT NO. 8103 TITLE SHEET	W. O. NO. ROAD NO. FILE NO. SHEET 1 of 14
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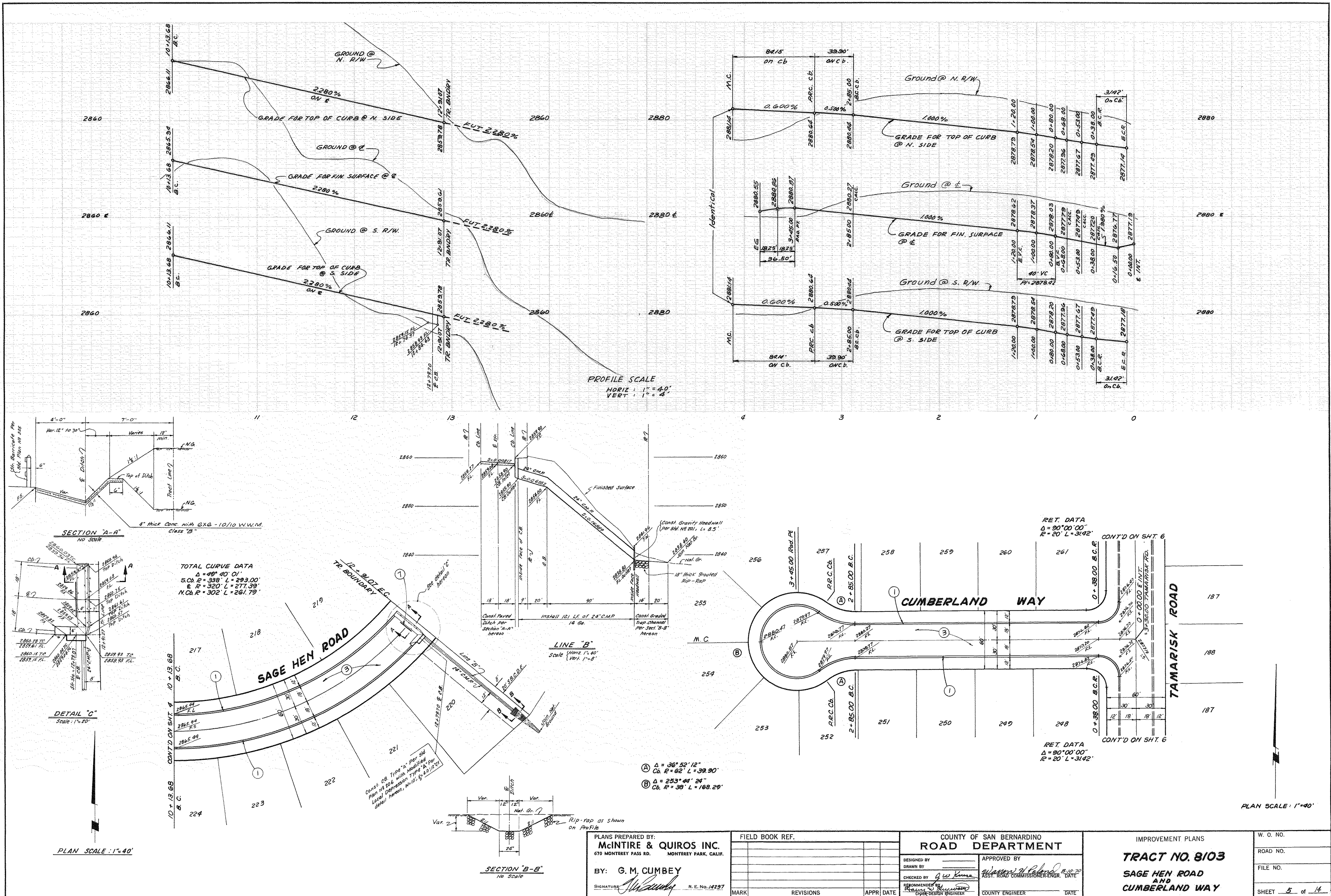
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8103		W. O. NO.	
BY: G. M. CUMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE <i>G. M. Cumbe</i> R. E. No. 14297				CHECKED BY <i>G. W. K...</i>		ASST. ROAD COMMISSIONER-ENGR. DATE		FILE NO.	
				RECOMMENDED BY		COUNTY ENGINEER		SHEET 2 of 14	
				MARK		REVISIONS		APPR. DATE	

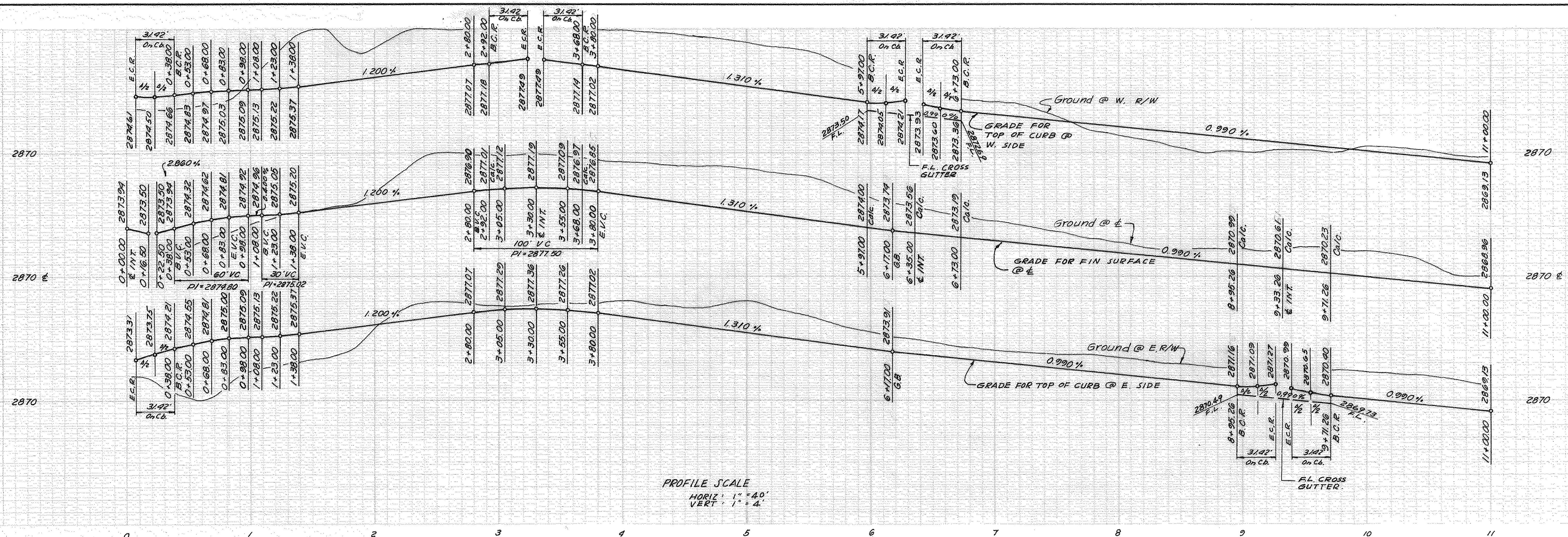


PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.	
BY: G. M. CUMBEY		DESIGNED BY	
SIGNATURE: <i>G. M. Cumbe</i> R.E. No. 14297		DRAWN BY	
		CHECKED BY <i>G. W. R...</i>	
		RECOMMENDED BY <i>...</i>	
		APPROVED BY <i>...</i>	
		COUNTY ENGINEER	
		DATE	
COUNTY OF SAN BERNARDINO ROAD DEPARTMENT			
IMPROVEMENT PLANS TRACT NO. 8103 CRESTVIEW DRIVE AND RAIN SHADOW ROAD			
W. O. NO.			
ROAD NO.			
FILE NO.			
SHEET 3 of 14			

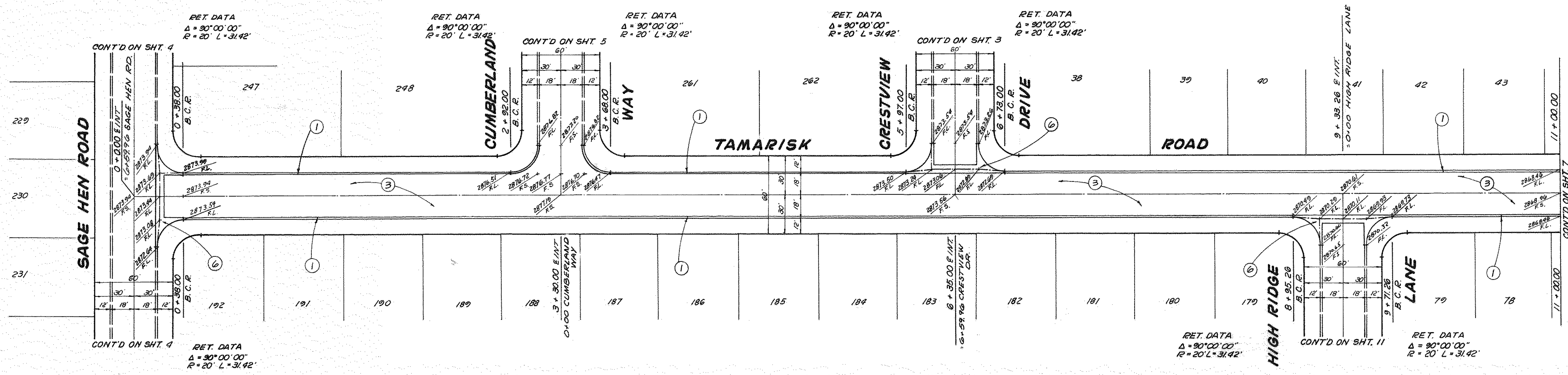


PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8/03 SAGE HEN ROAD		W. O. NO.	
BY: G. M. CUMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE: <i>G. M. Cumbe</i> R.E. No. 14297				CHECKED BY: <i>G. M. Cumbe</i>		ASST. ROAD COMMISSIONER-ENGR. DATE: 8/10/70		FILE NO.	
				RECOMMENDED BY: <i>G. M. Cumbe</i> CHIEF DESIGN ENGINEER		COUNTY ENGINEER DATE		SHEET 4 of 14	
MARK		REVISIONS		APPR DATE					



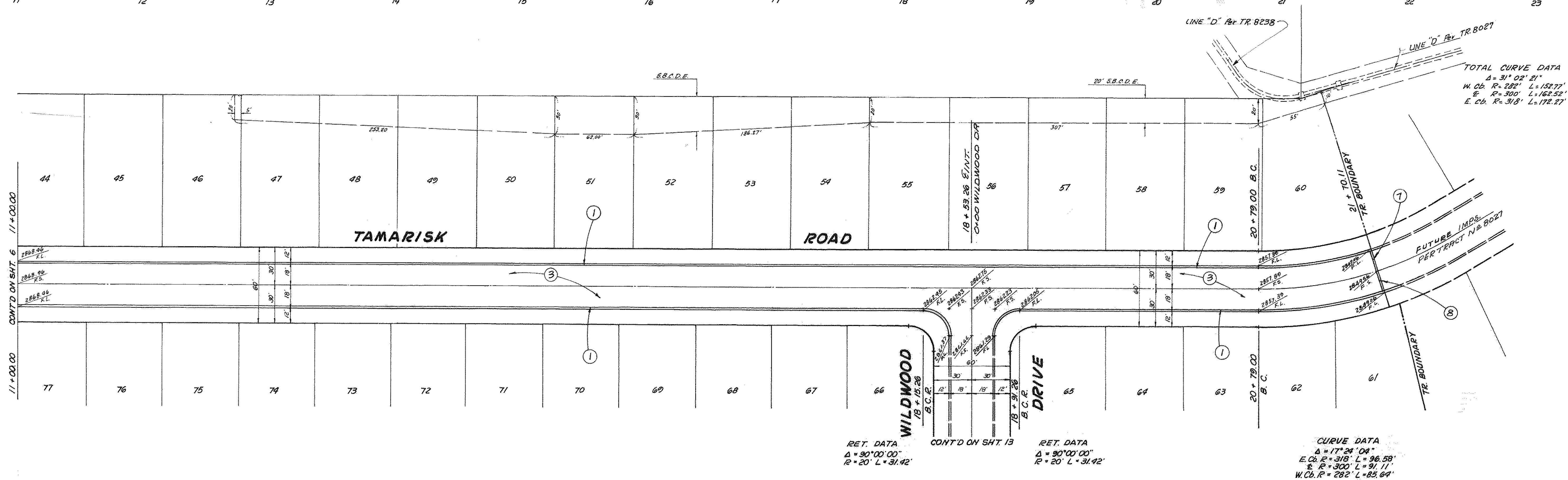
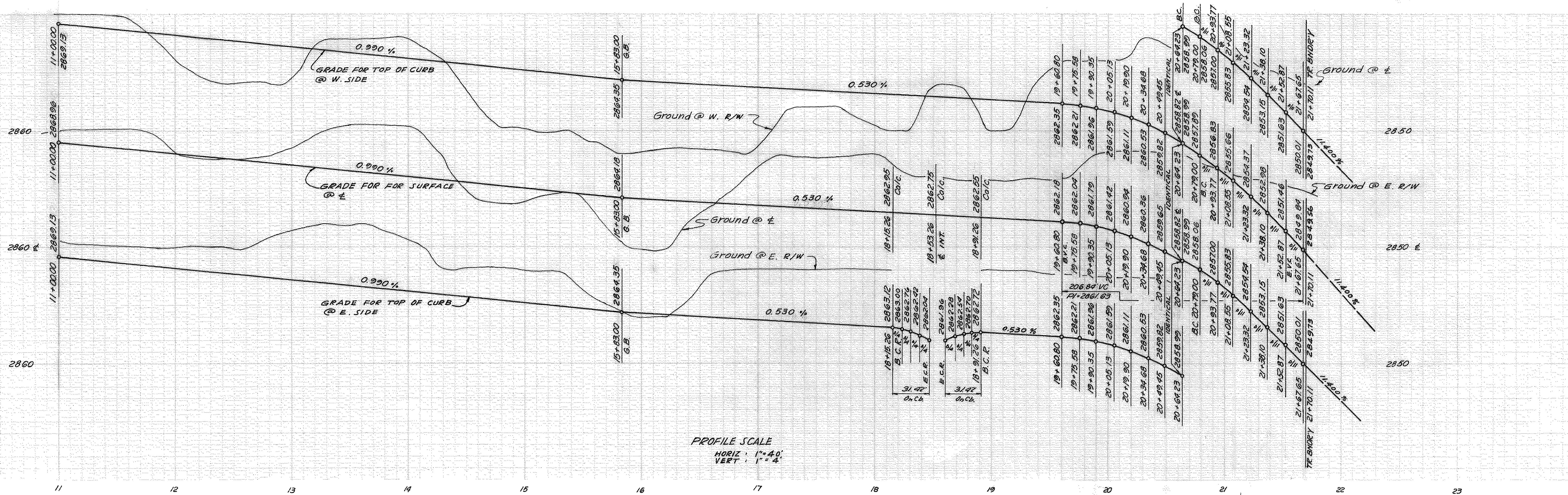


PROFILE SCALE
HORIZ: 1" = 40'
VERT: 1" = 4'



PLAN SCALE: 1" = 40'

PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8103 TAMARISK ROAD		W. O. NO.	
BY: G. M. CUMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE: <i>[Signature]</i> R. E. No. 14297				DRAWN BY		<i>[Signature]</i> ASST. ROAD COMMISSIONER-ENGR. DATE		FILE NO.	
RECOMMENDED BY				CHECKED BY		COUNTY ENGINEER		DATE	
MARK		REVISIONS		APPR. DATE				SHEET 6 of 14	



PLANS PREPARED BY:
McINTIRE & QUIROS INC.
670 MONTEREY PASS RD. MONTEREY PARK, CALIF.

BY: **G. M. CUMBEY**
SIGNATURE: *G. M. Cumbey* R. E. No. 14297

FIELD BOOK REF.

MARK REVISIONS APPR DATE

COUNTY OF SAN BERNARDINO
ROAD DEPARTMENT

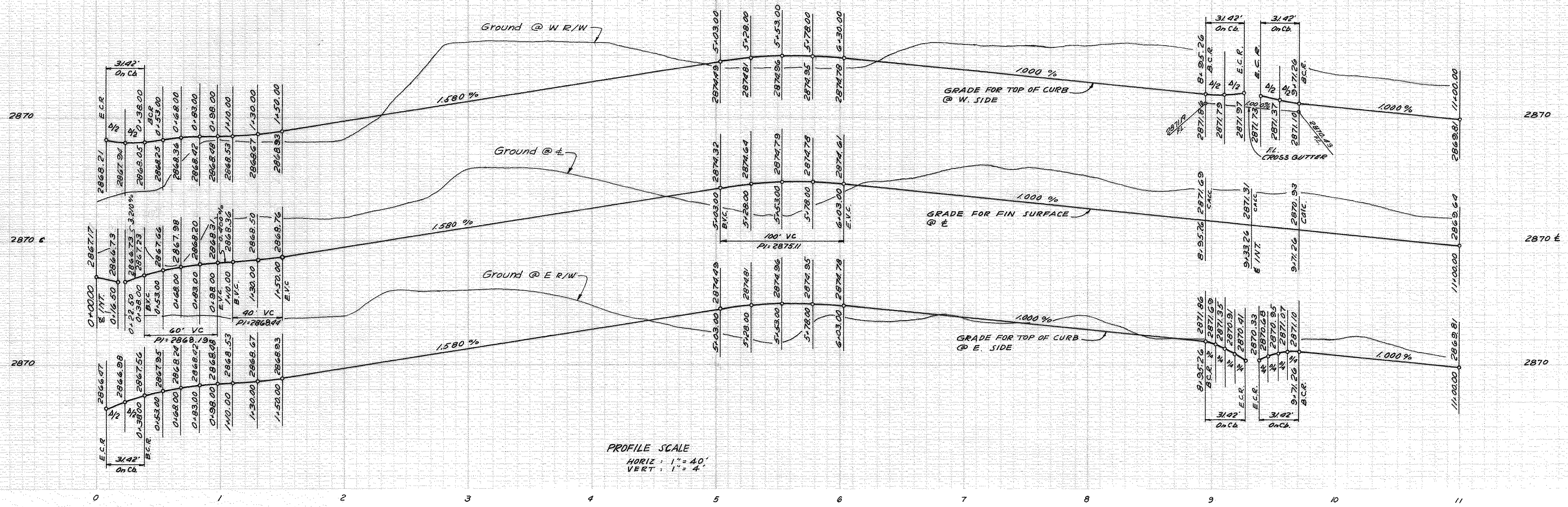
DESIGNED BY
DRAWN BY
CHECKED BY
RECOMMENDED BY

APPROVED BY
ASST. ROAD COMMISSIONER-ENGR. DATE

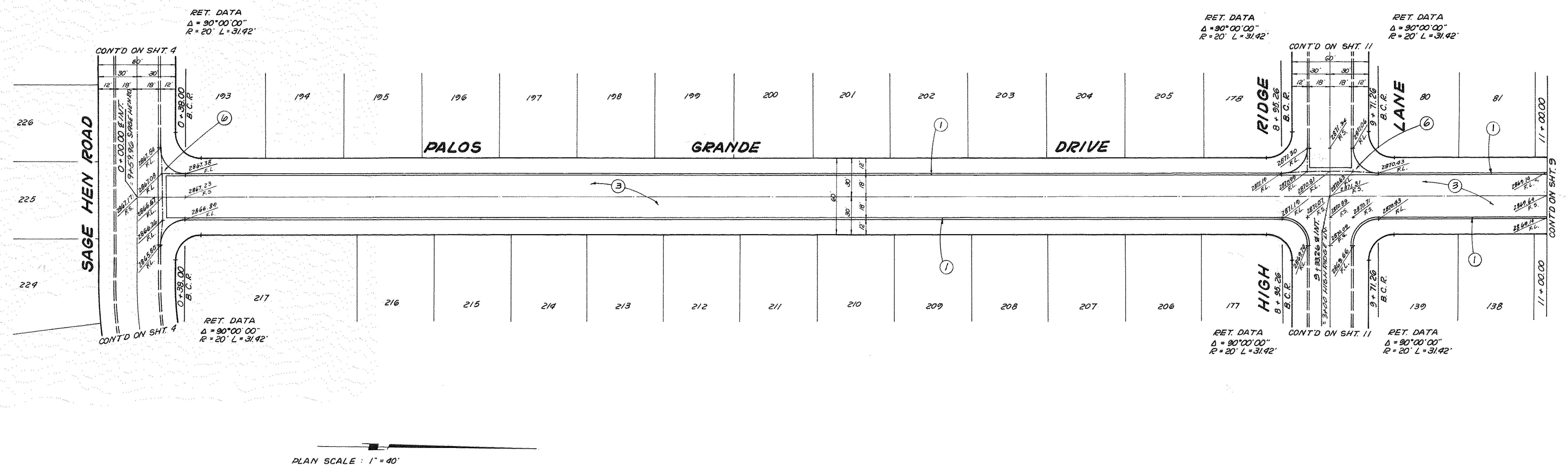
COUNTY ENGINEER DATE

IMPROVEMENT PLANS
TRACT NO. 8103
TAMARISK ROAD

W. O. NO.
ROAD NO.
FILE NO.
SHEET 7 of 14

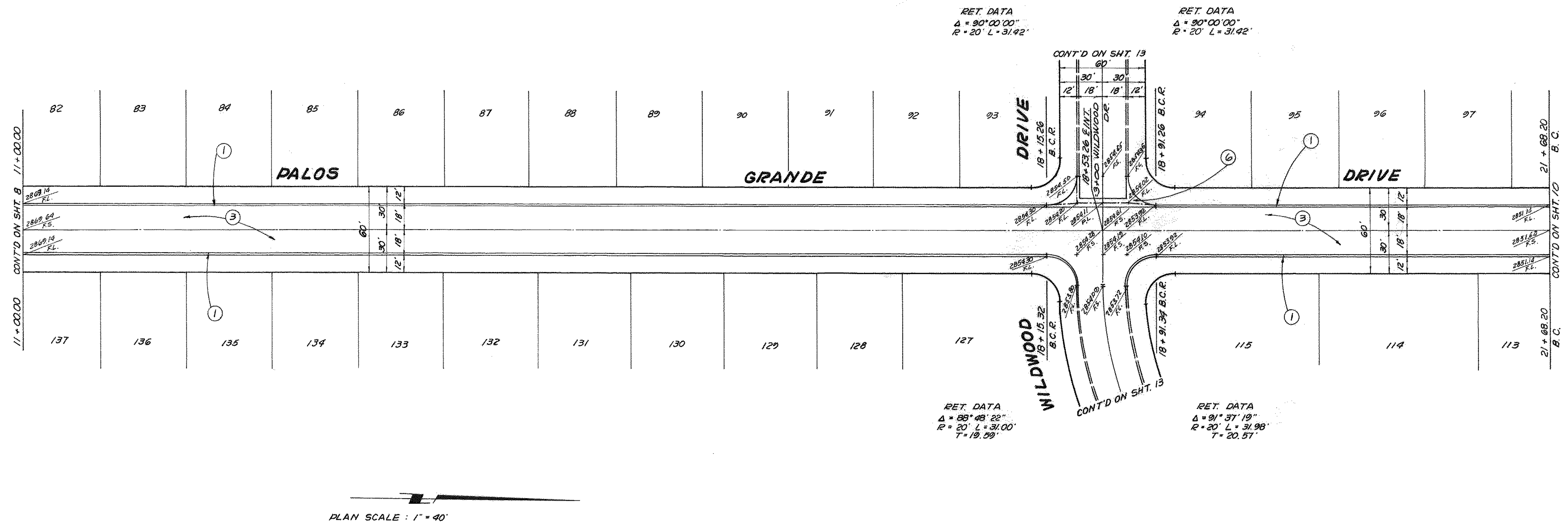
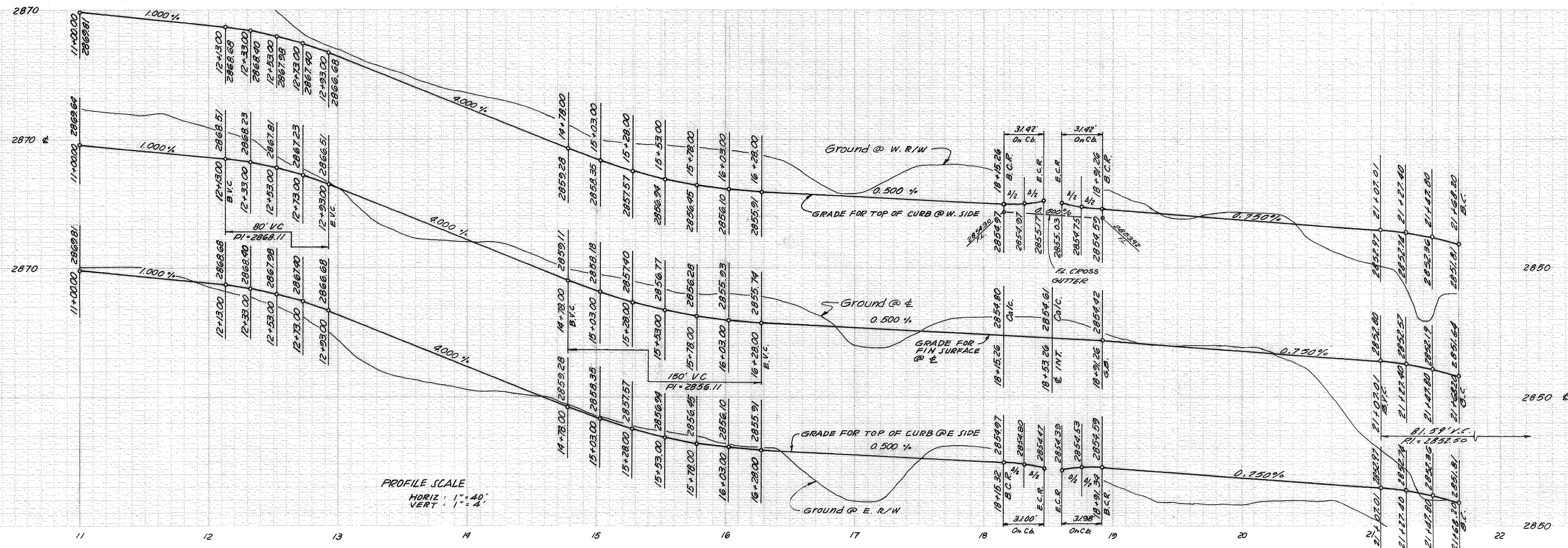


PROFILE SCALE
HORIZ : 1" = 40'
VERT : 1" = 4'

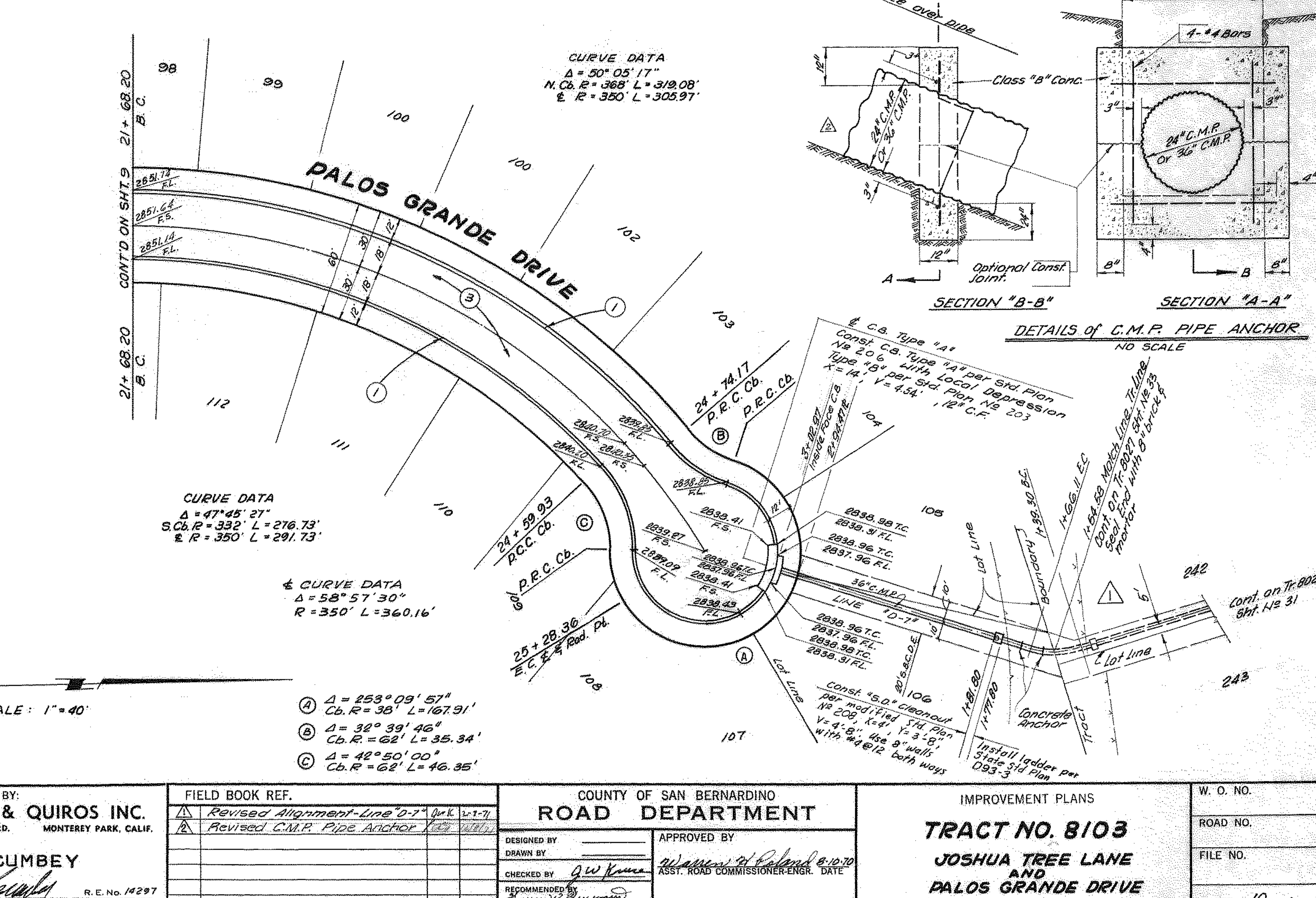
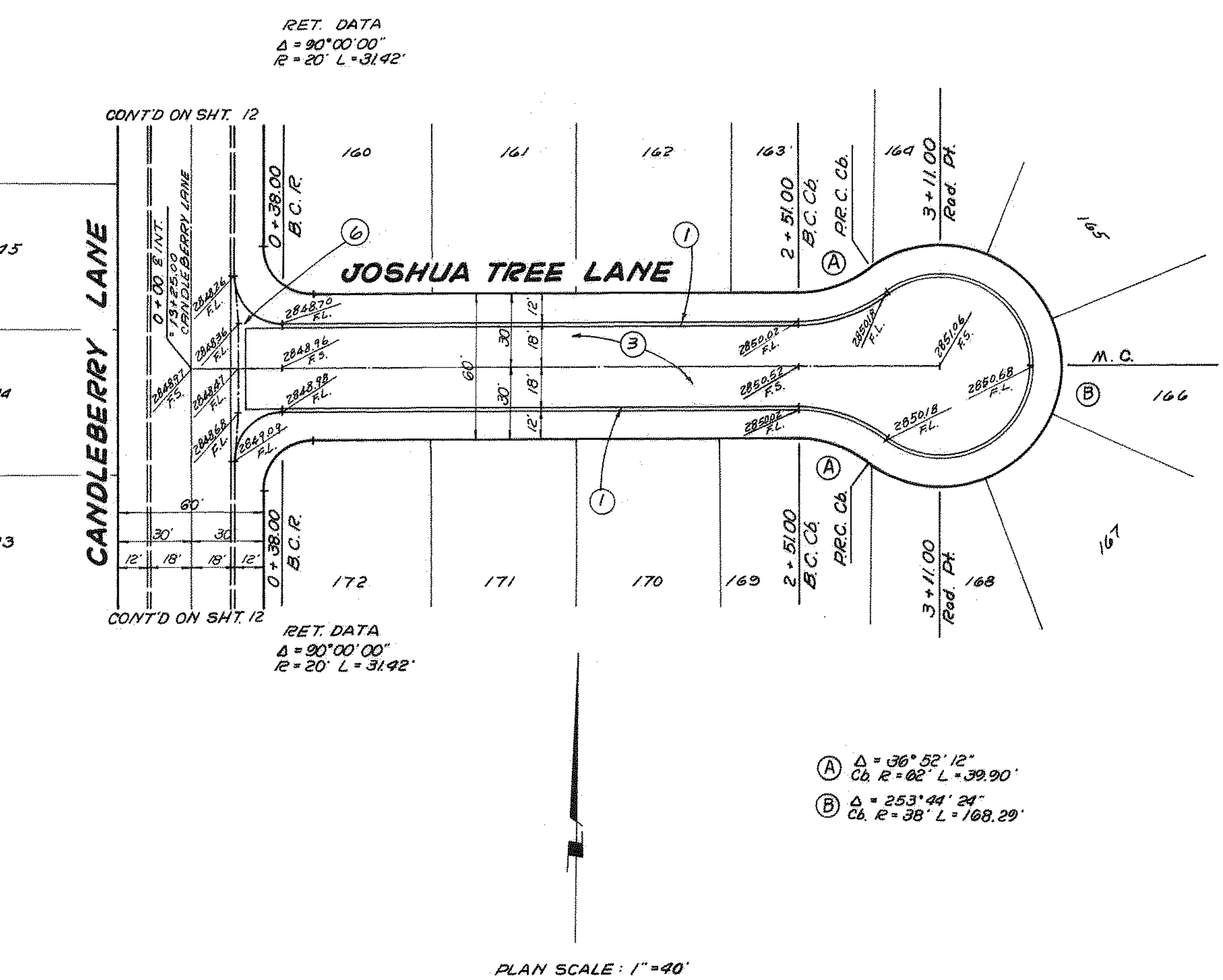
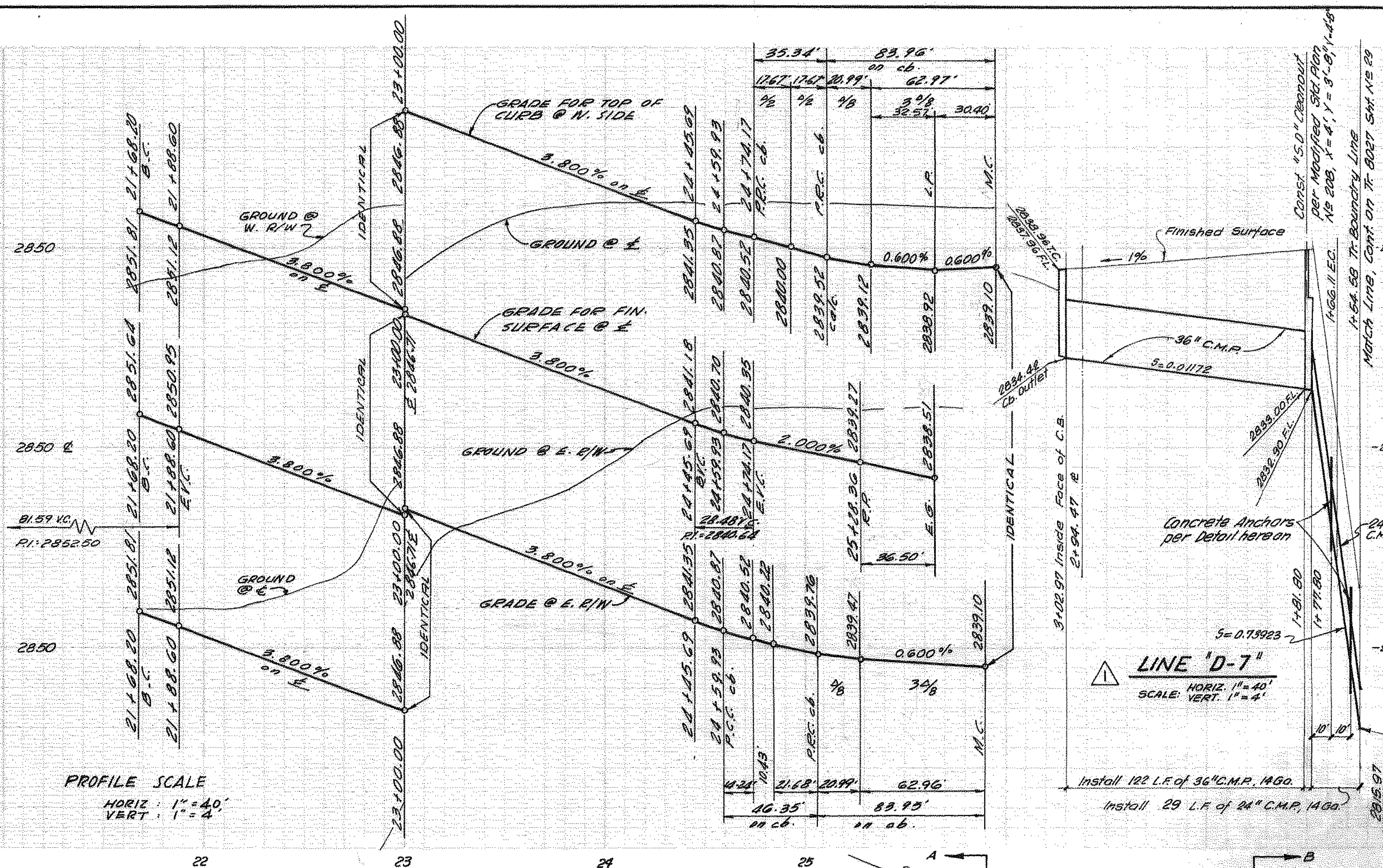
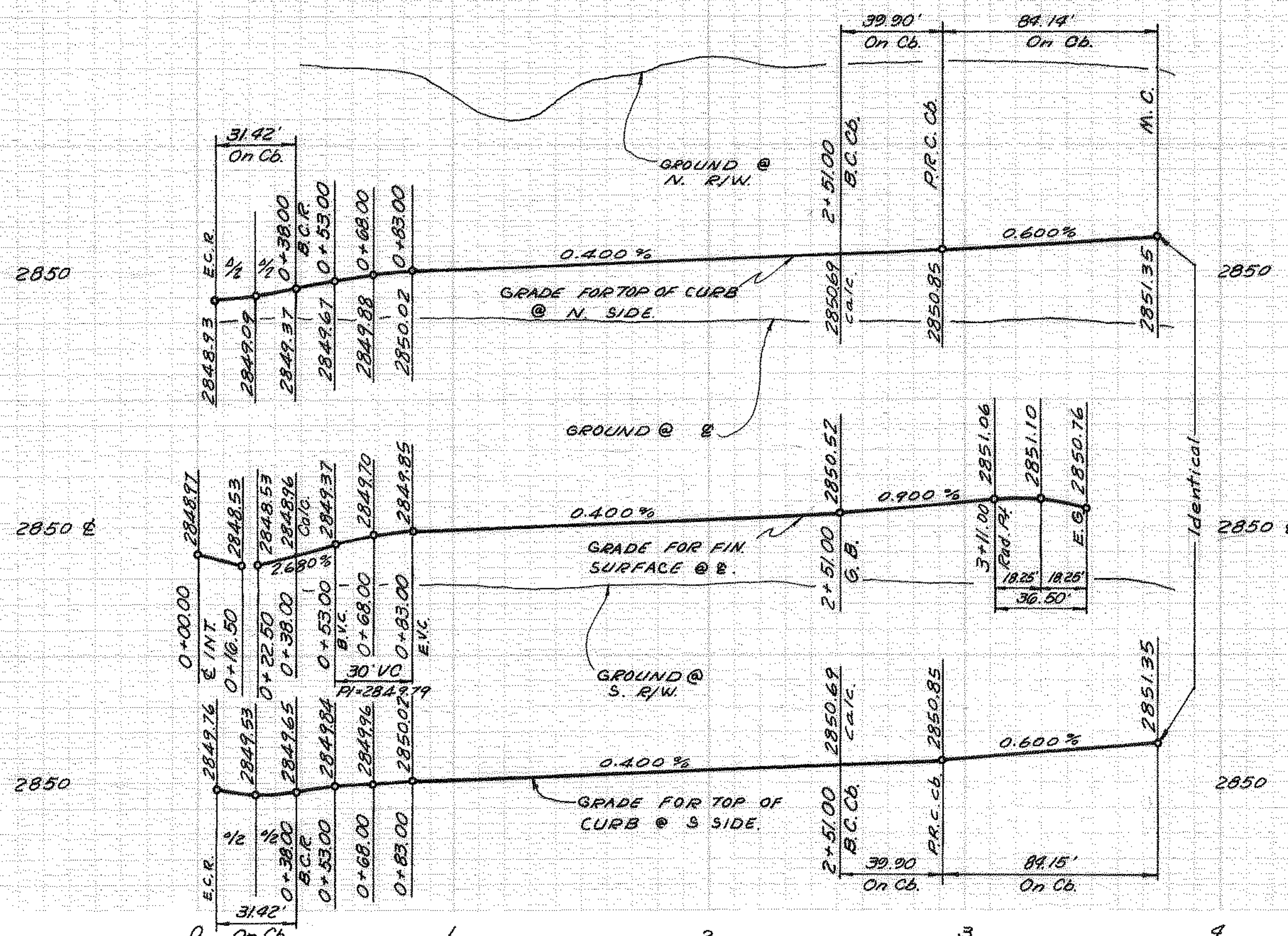


PLAN SCALE : 1" = 40'

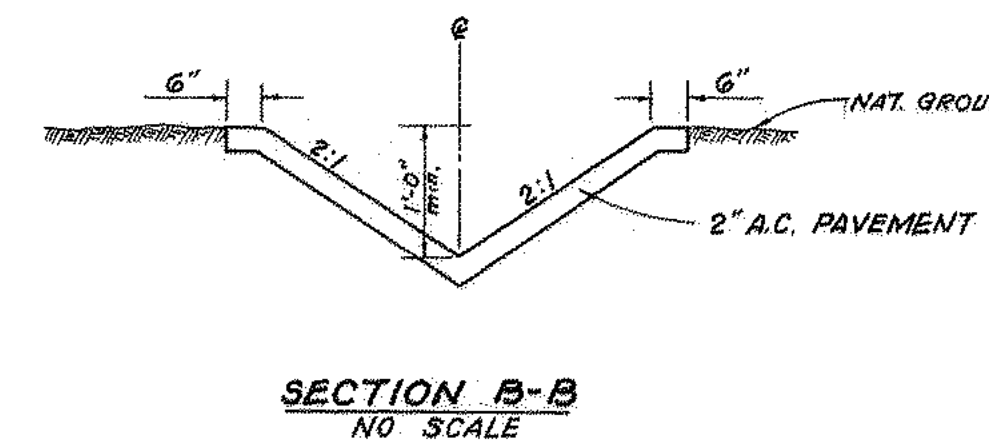
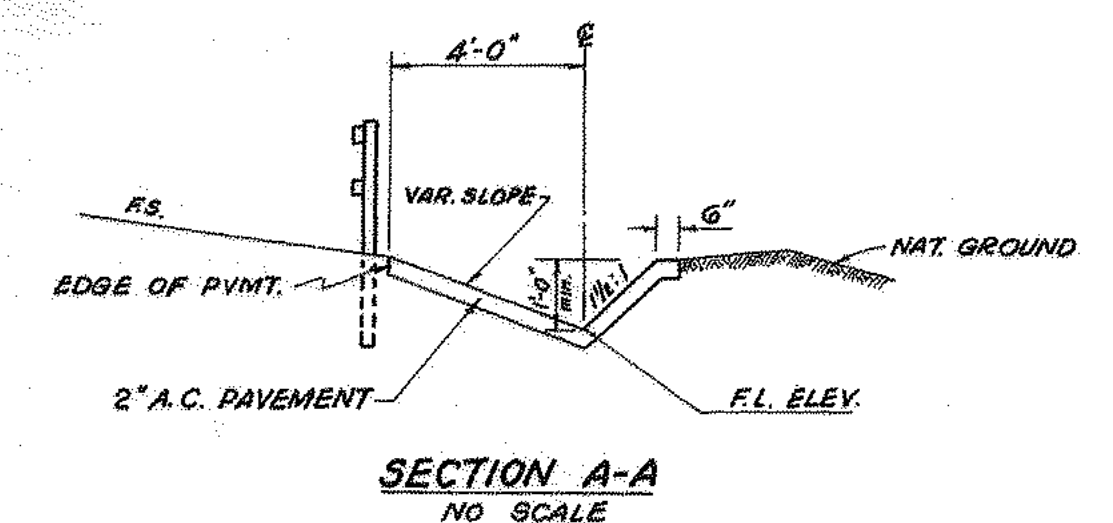
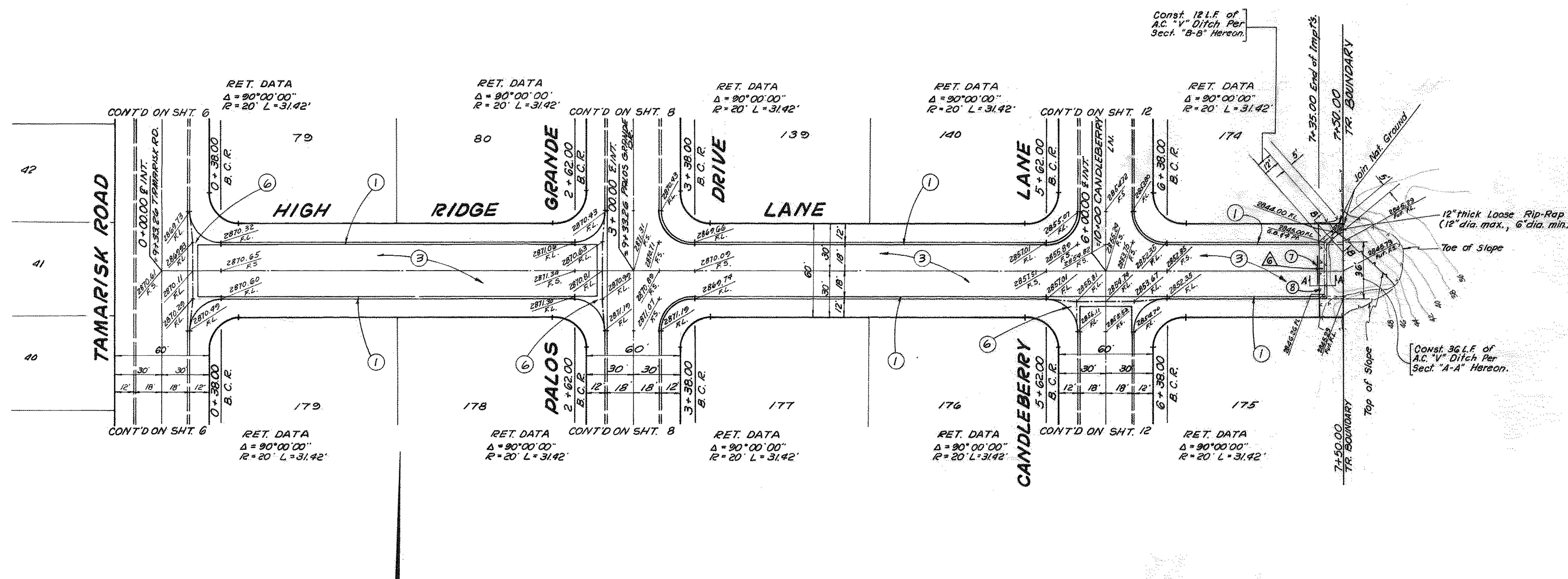
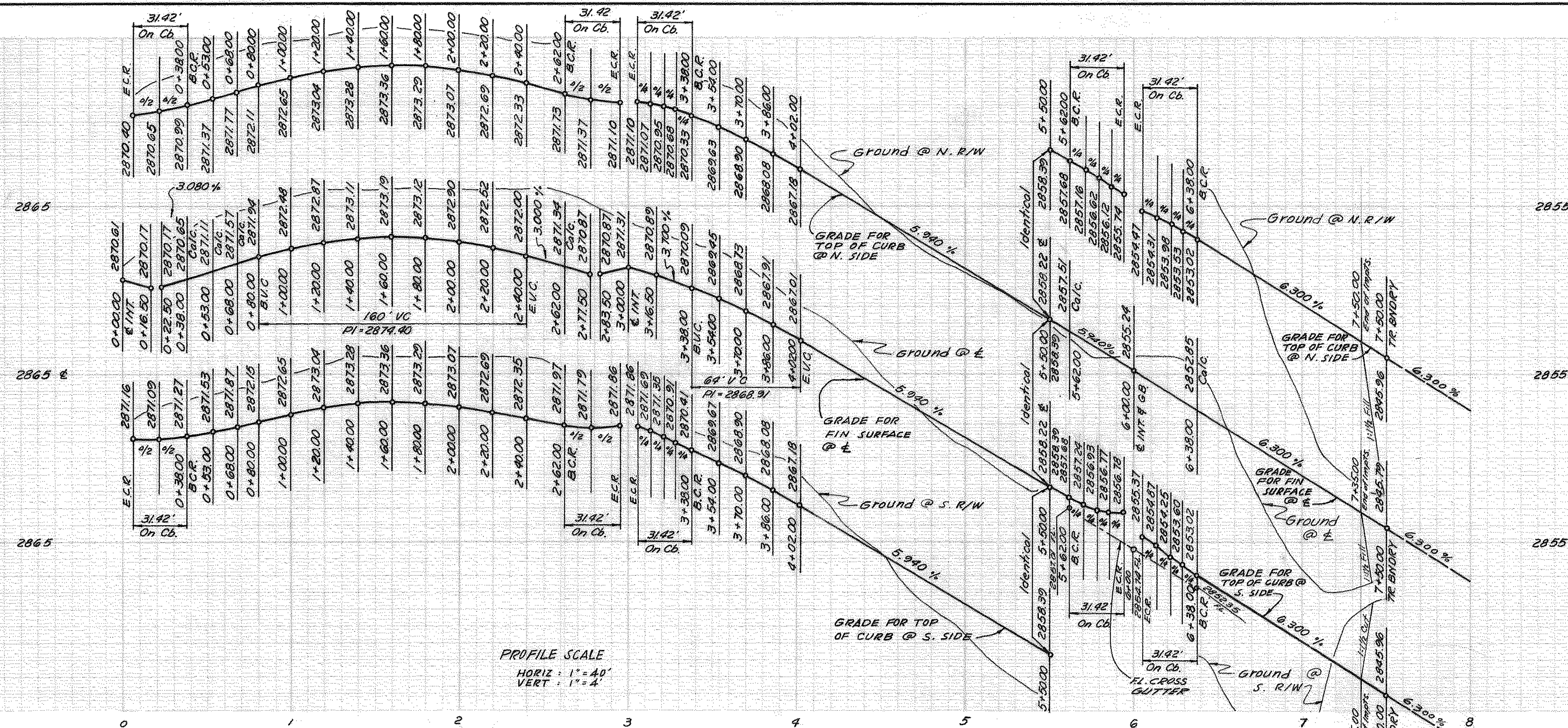
PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8103 PALOS GRANDE DRIVE		W. O. NO.	
BY: G. M. CLIMBEY				DESIGNED BY		APPROVED BY		ROAD NO.	
SIGNATURE <i>G. M. Climbey</i> R.E. No. 14297				CHECKED BY <i>G. W. K...</i>		ASST. ROAD COMMISSIONER-ENGR. DATE		FILE NO.	
				RECOMMENDED BY <i>G. W. K...</i>		COUNTY ENGINEER DATE		SHEET 8 of 14	



PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF.		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8103		W. O. NO.	
BY: G. M. CUMBEY SIGNATURE: <i>G. M. Cumbey</i> R. E. NO. 14297		DESIGNED BY DRAWN BY CHECKED BY <i>G. W. Krum</i> RECOMMENDED BY <i>G. W. Krum</i> CHIEF DESIGNER/ENGINEER		APPROVED BY <i>Warren H. Paland</i> 8-10-20 ASST. ROAD COMMISSIONER-ENGR. DATE		COUNTY ENGINEER DATE		ROAD NO.	
MARK		REVISIONS		APPR DATE		DATE		FILE NO.	
SHEET 9 of 14		PALOS GRANDE DRIVE		DATE		DATE		SHEET 9 of 14	



PLANS PREPARED BY: McINTIRE & QUIROS INC. 679 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. A Revised Alignment Line "D-7" 1/1/77 B Revised C.M.P. Pipe Anchor 1/1/77		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8103 JOSHUA TREE LANE AND PALOS GRANDE DRIVE		W. O. NO. ROAD NO. FILE NO. SHEET 10 of 14	
BY: G. M. CUMBEY SIGNATURE: <i>G. M. Cumbey</i> R.E. No. 4297		DESIGNED BY: <i>G. M. Cumbey</i> CHECKED BY: <i>G. M. Cumbey</i> RECOMMENDED BY: <i>G. M. Cumbey</i> CHIEF DESIGN ENGINEER		APPROVED BY: <i>G. M. Cumbey</i> ASST. ROAD COMMISSIONER-ENGR. DATE: 8-10-70		COUNTY ENGINEER: <i>G. M. Cumbey</i> DATE:			
PLAN SCALE: 1" = 40'		PLAN SCALE: 1" = 40'		PLAN SCALE: 1" = 40'		PLAN SCALE: 1" = 40'		PLAN SCALE: 1" = 40'	



PLANS PREPARED BY: McINTIRE & QUIROS INC. 670 MONTEREY PASS RD. MONTEREY PARK, CALIF.		FIELD BOOK REF. ADDED "A.C." DITCH AT END OF HIGH RIDGE LANE		COUNTY OF SAN BERNARDINO ROAD DEPARTMENT		IMPROVEMENT PLANS TRACT NO. 8103 HIGH RIDGE LANE		W. O. NO. ROAD NO. FILE NO. SHEET 11 of 14	
BY: G. M. CUMBEY SIGNATURE: <i>G. M. Cumbey</i> R. E. No. 14297		MARK REVISIONS		DESIGNED BY DRAWN BY CHECKED BY <i>G. W. Kuma</i> RECOMMENDED BY <i>G. W. Kuma</i> DATE		APPROVED BY <i>William H. Poland</i> ASST. ROAD COMMISSIONER ENGR. DATE		COUNTY ENGINEER DATE	