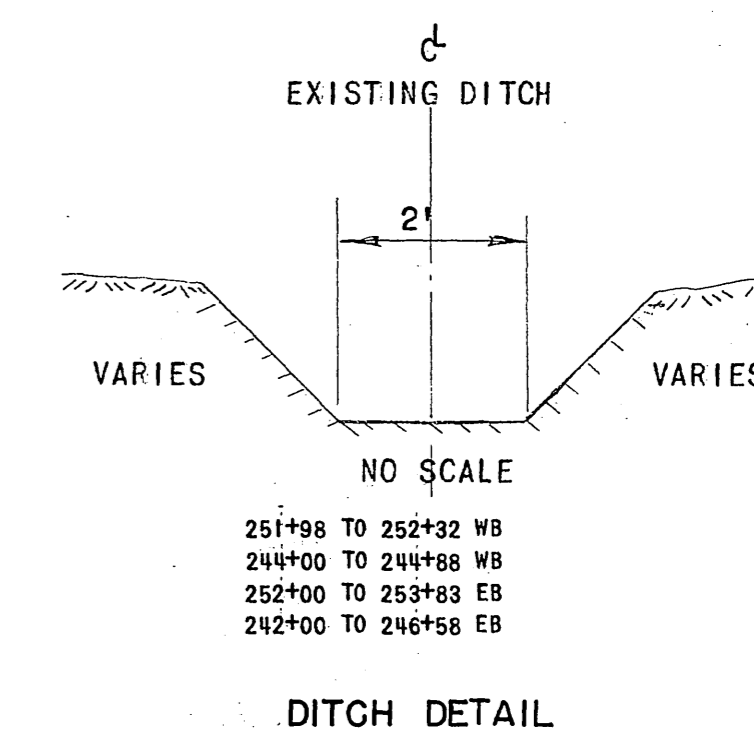
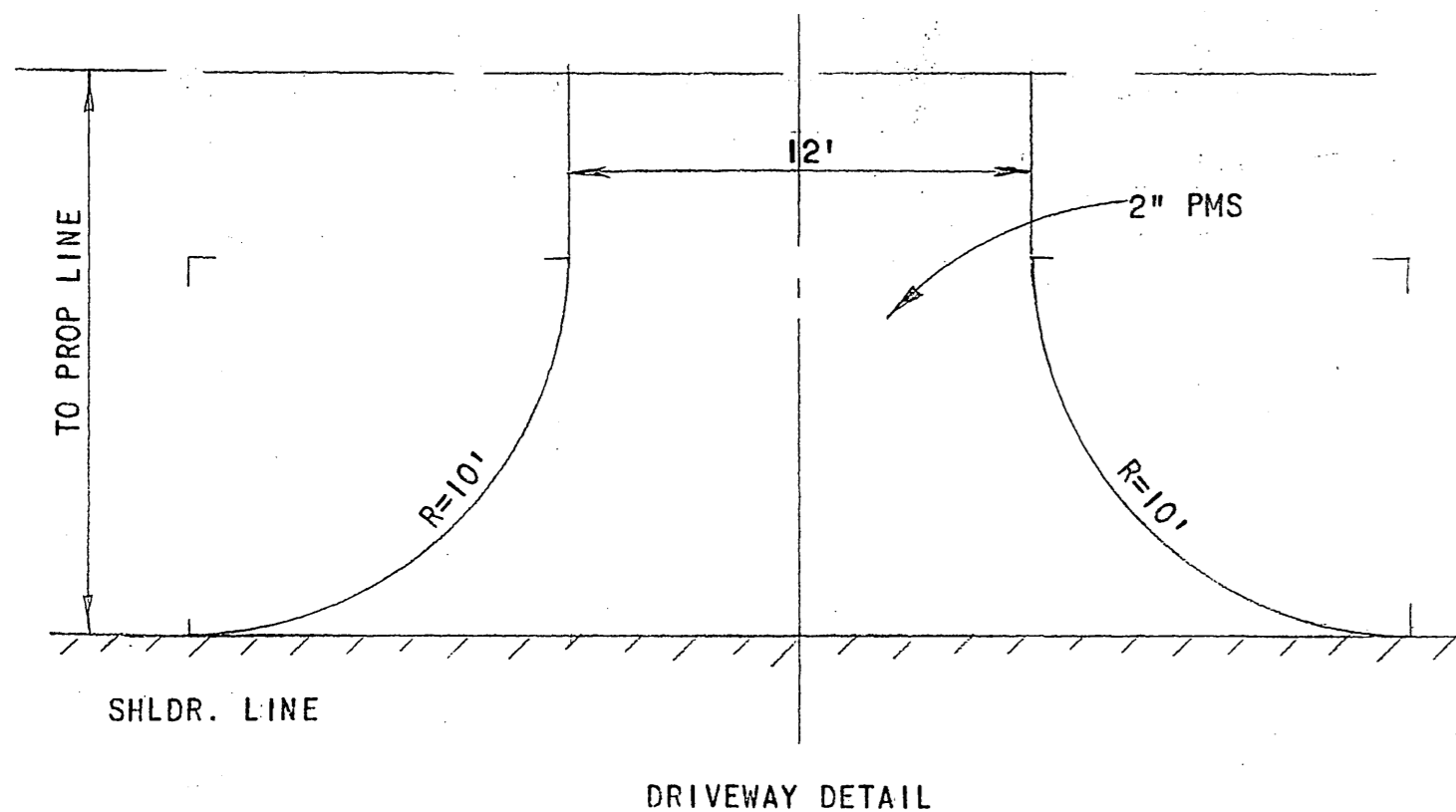
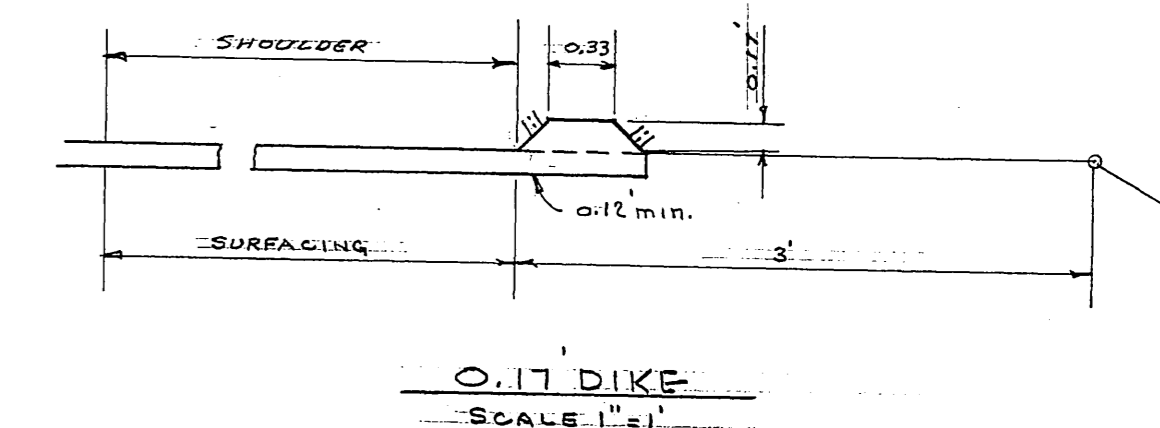
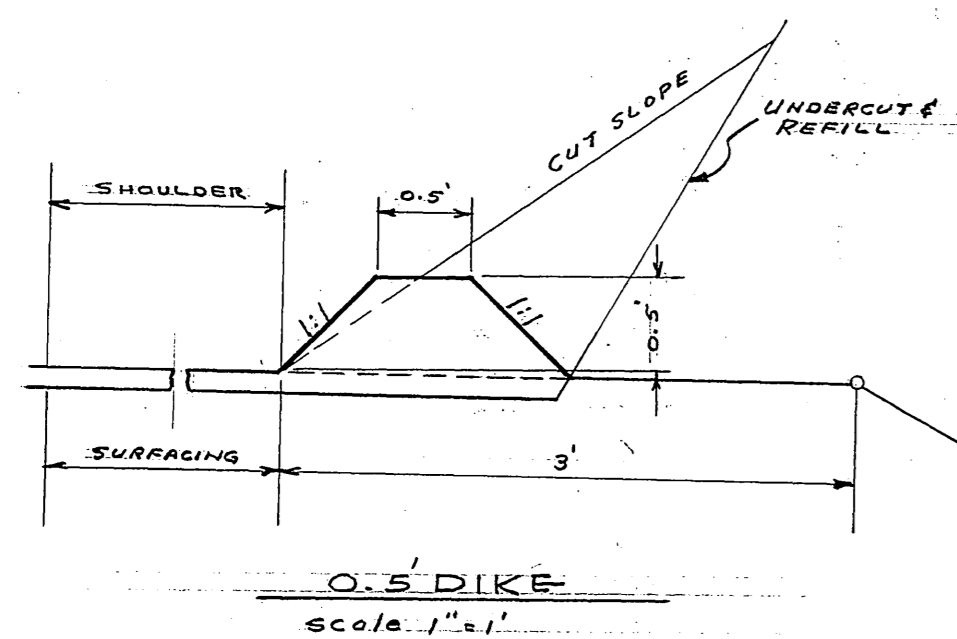
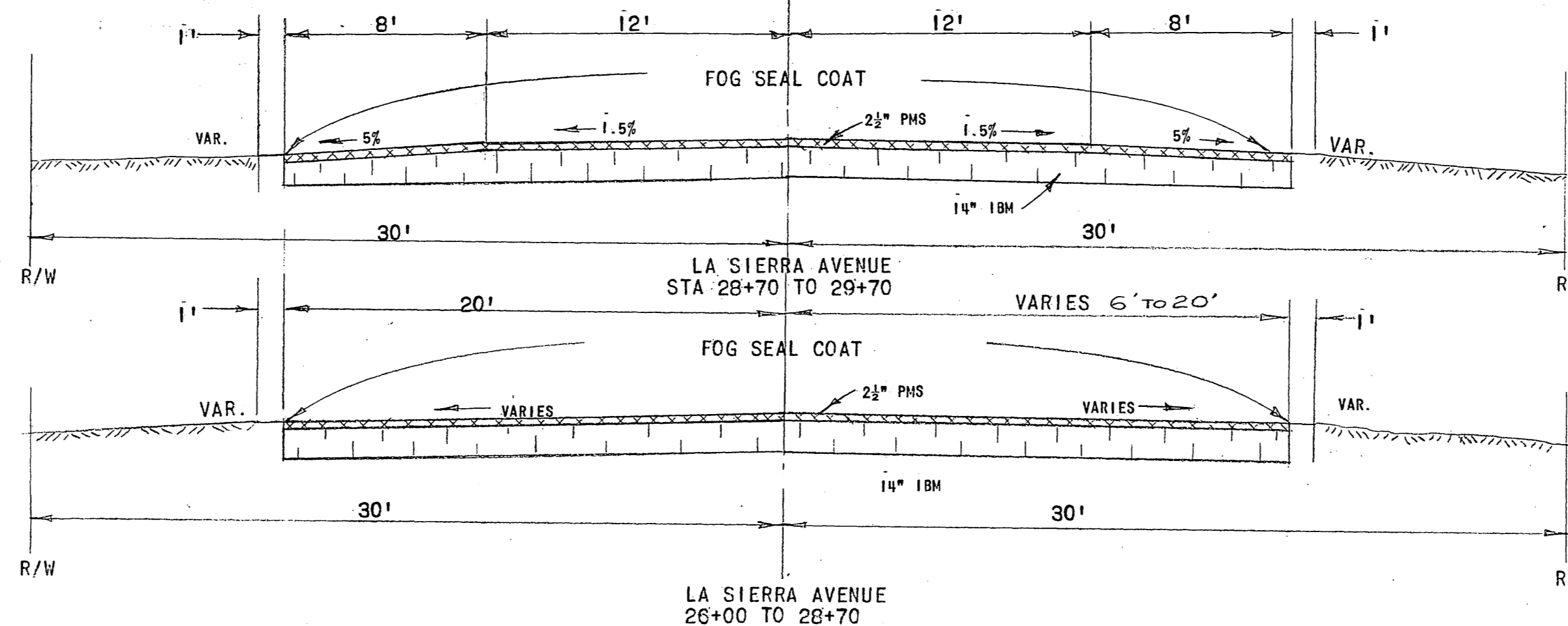
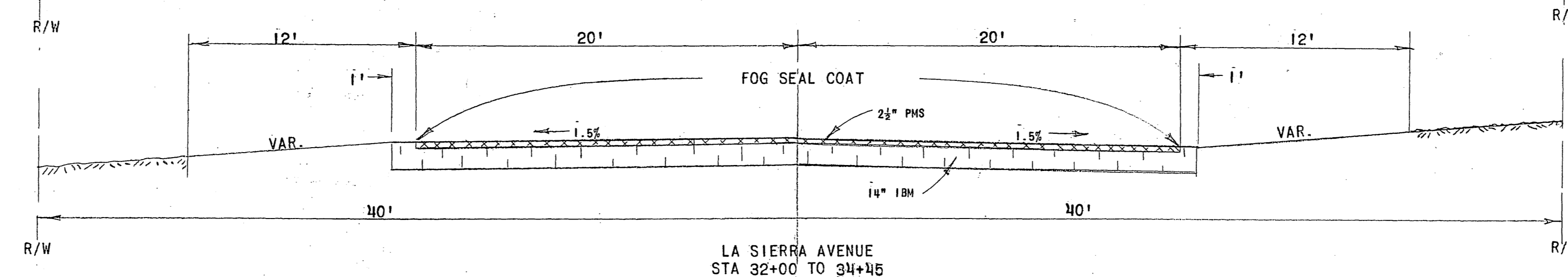
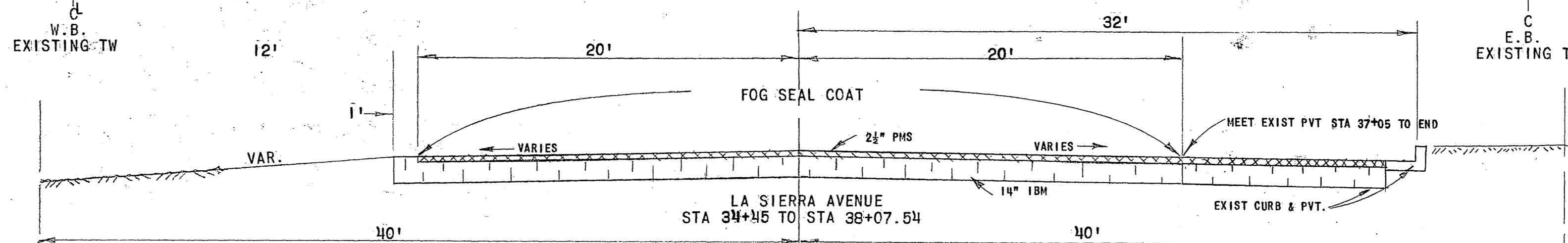
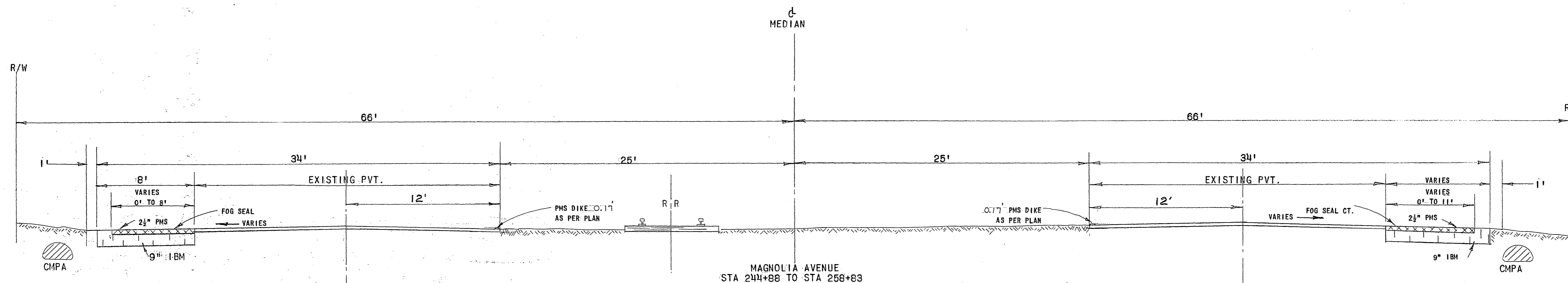


NOTE: SEE SH. 5 FOR UNDERGROUND UTILITIES

MAGNOLIA AVE - LA SIERRA AVE
GENERAL PLAN



TYPICAL ROAD SECTIONS MAGNOLIA AVE - LA SIERRA AVE

SCALE 1" = 5'

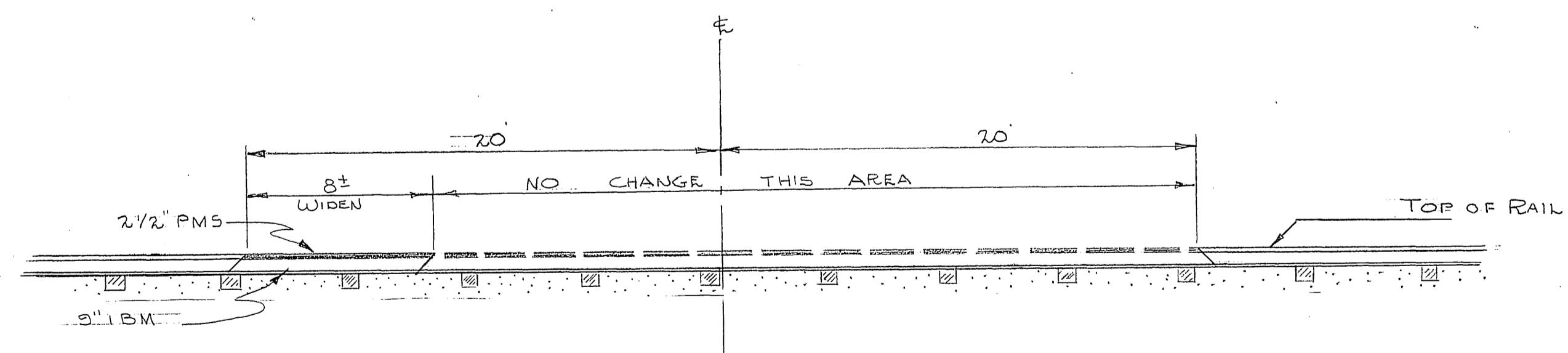
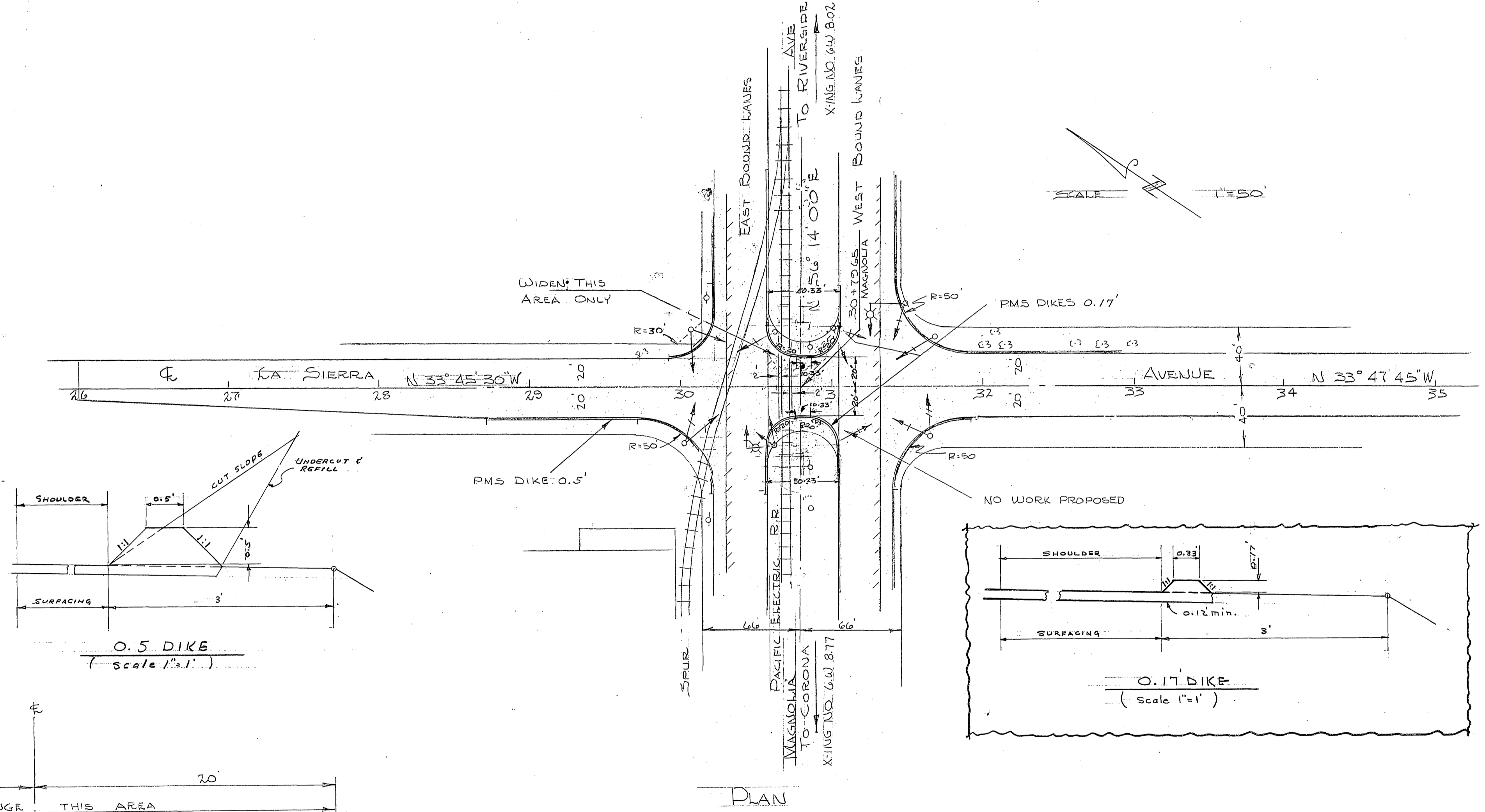
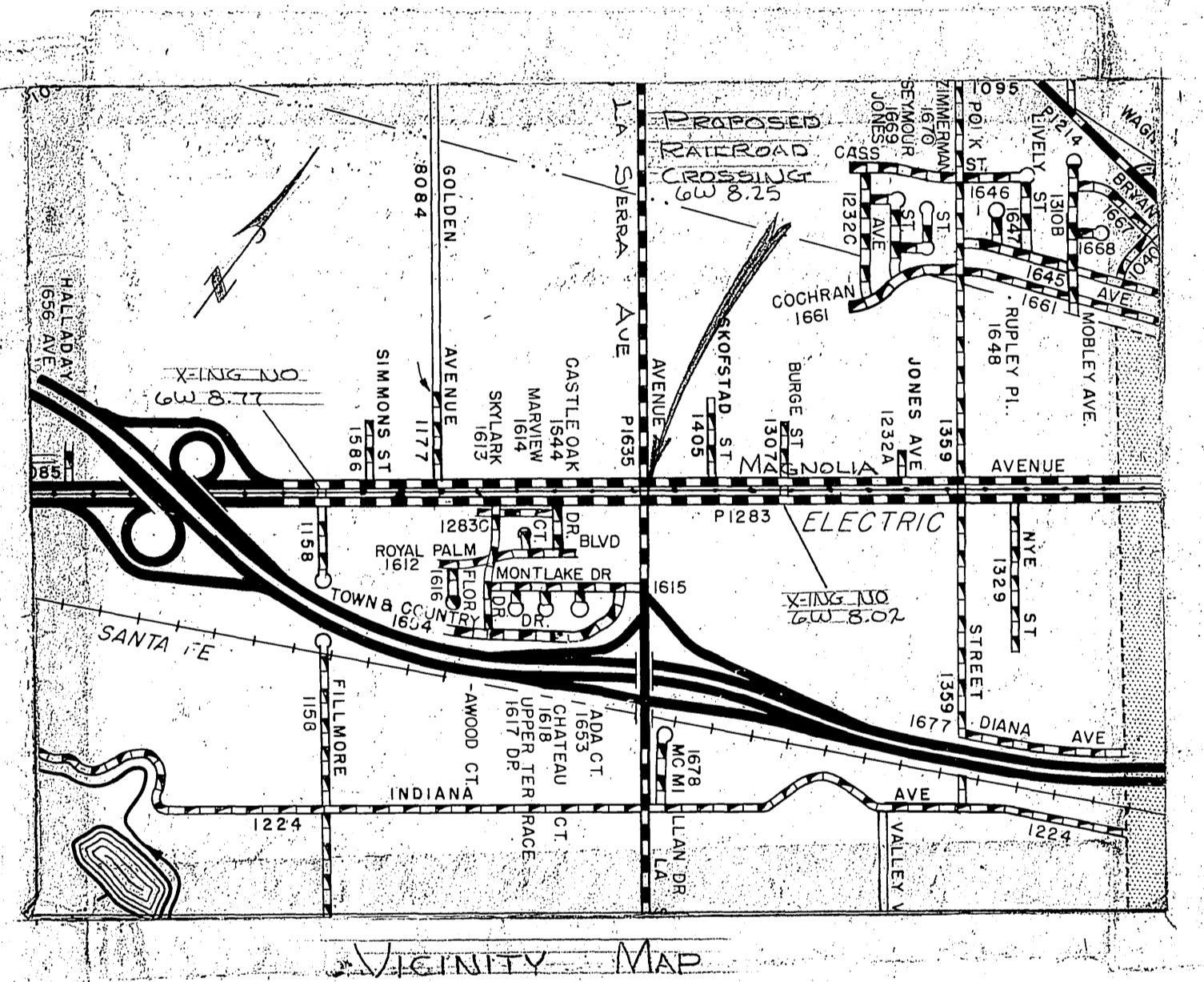
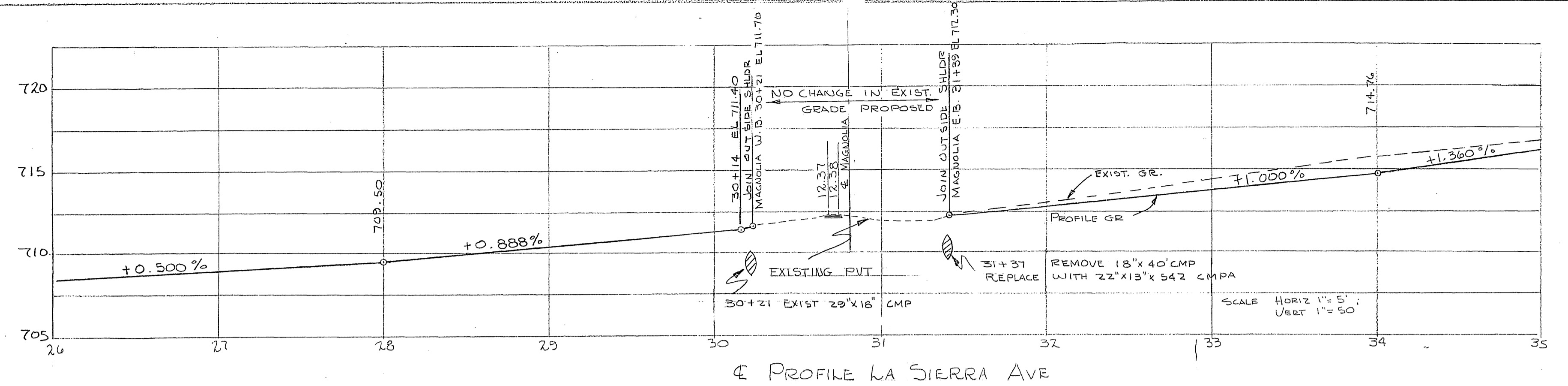
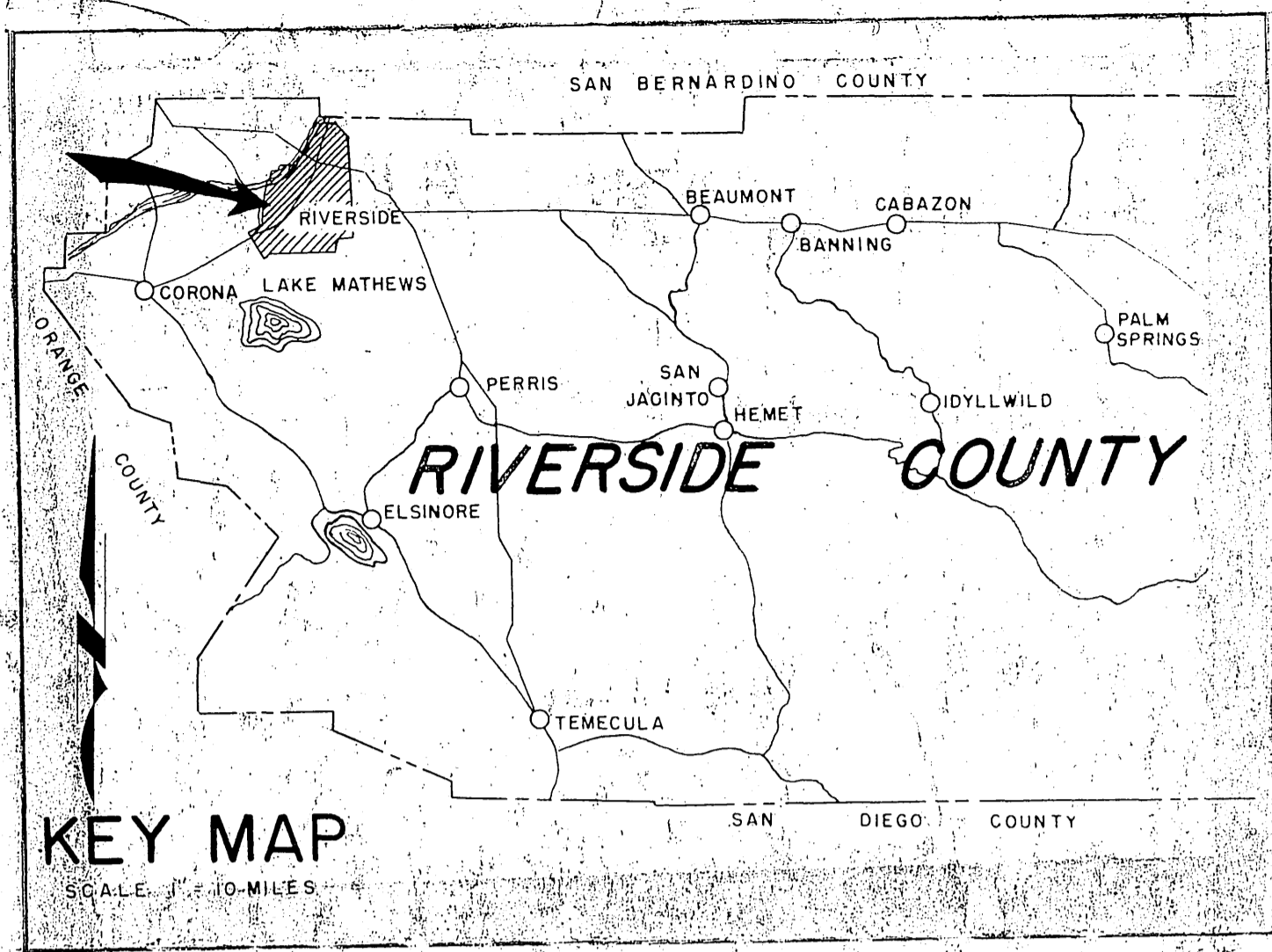
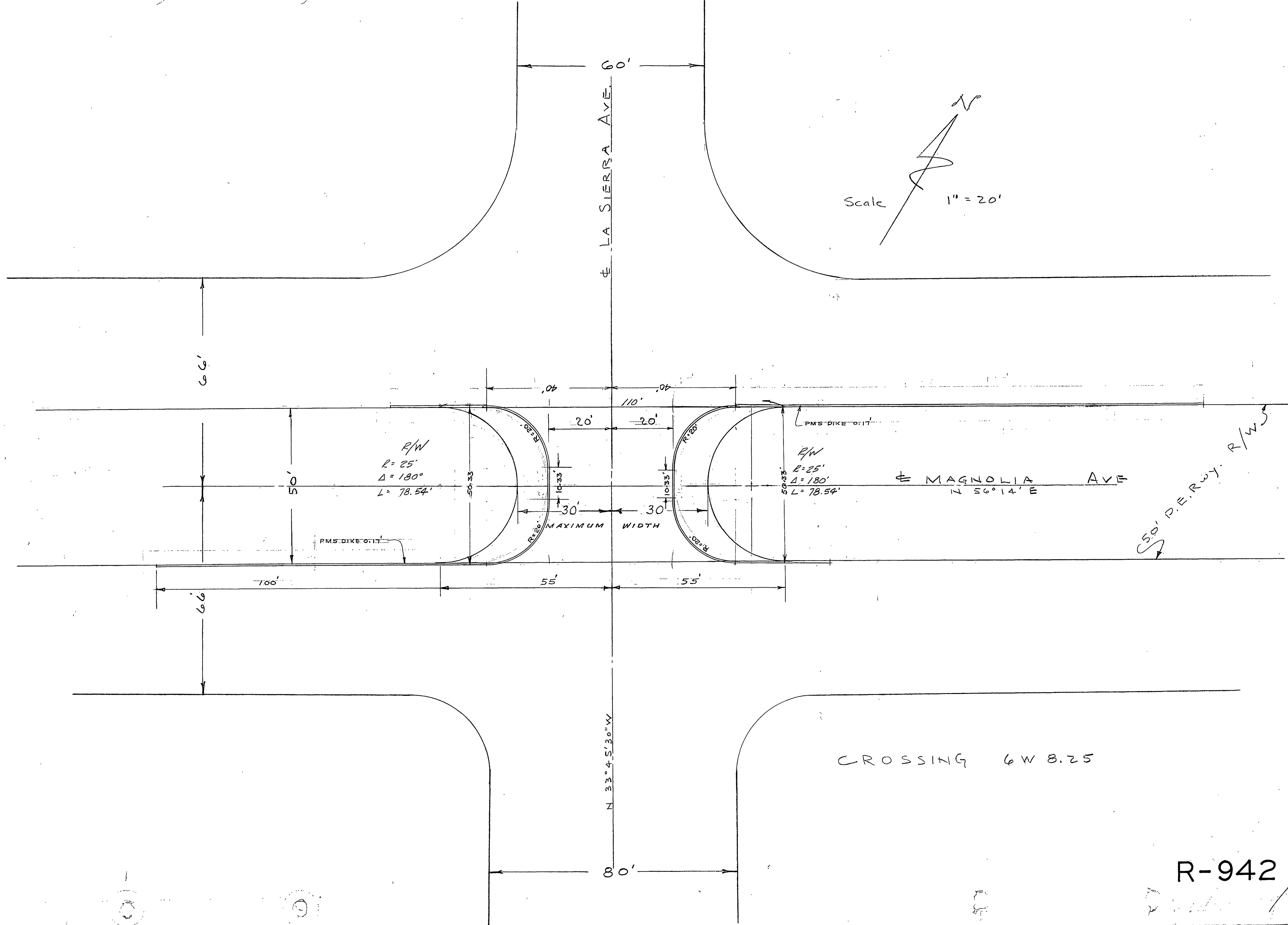
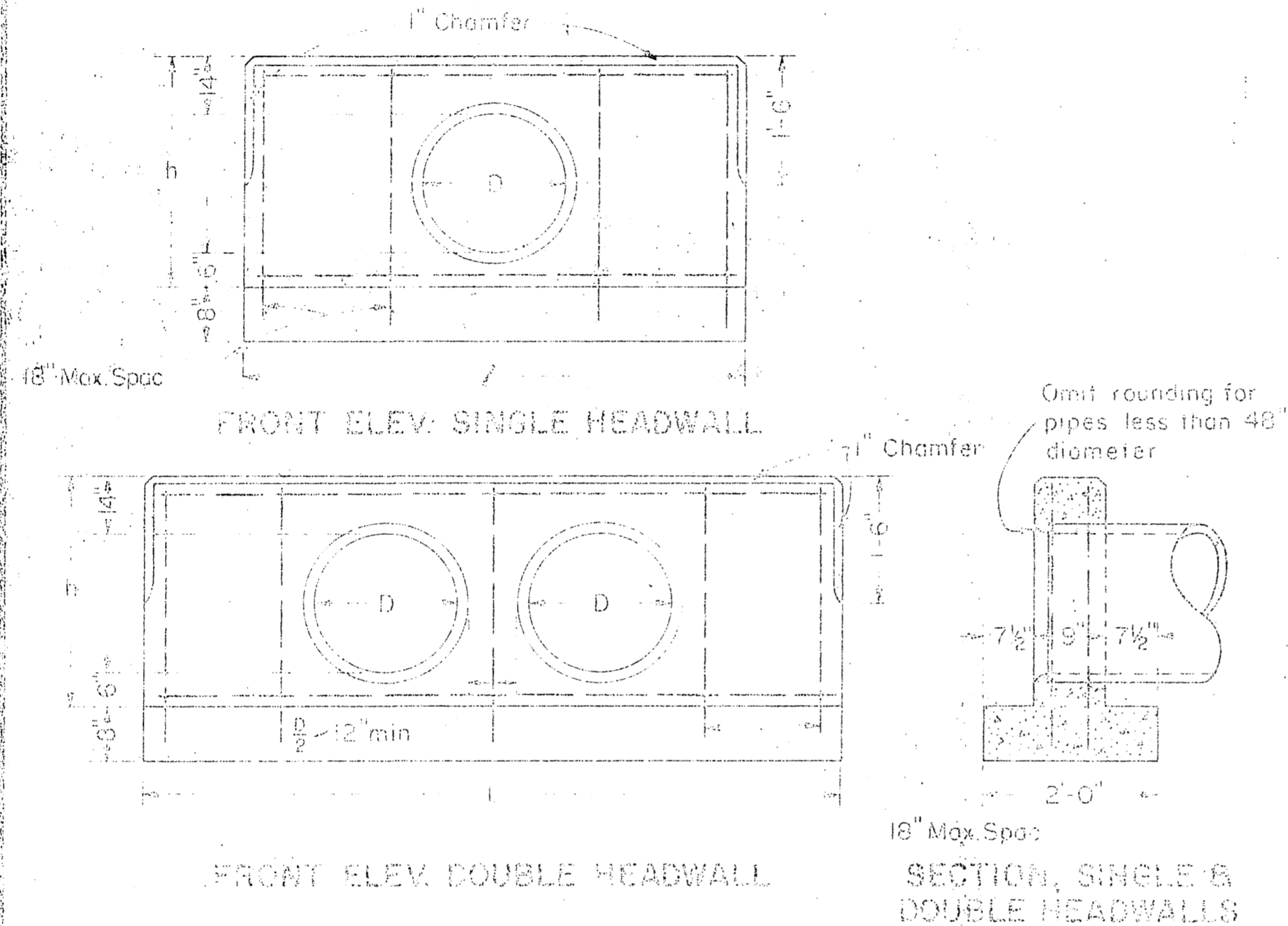
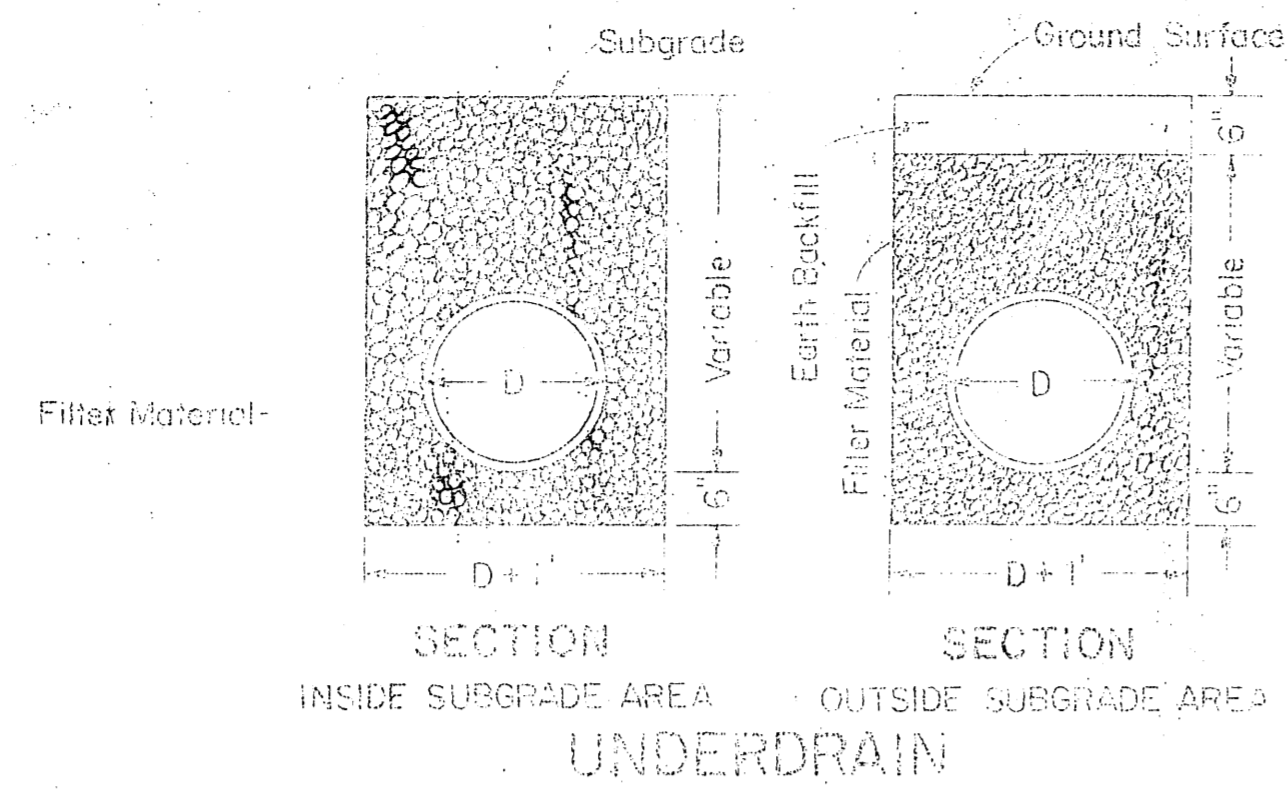


EXHIBIT A
 PROPOSED IMPROVEMENT
 OF
 LA SIERRA AVENUE
 (RIVERSIDE COUNTY RD)
 AND
 PACIFIC ELECTRIC RAILWAY CO
 CROSSING No 6W 8.25
 A.C. KEITH - COUNTY SURVEYOR & ROAD COMM.
 RIVERSIDE COUNTY, CALIFORNIA
 1960



Scale $1" = 20'$

R-942

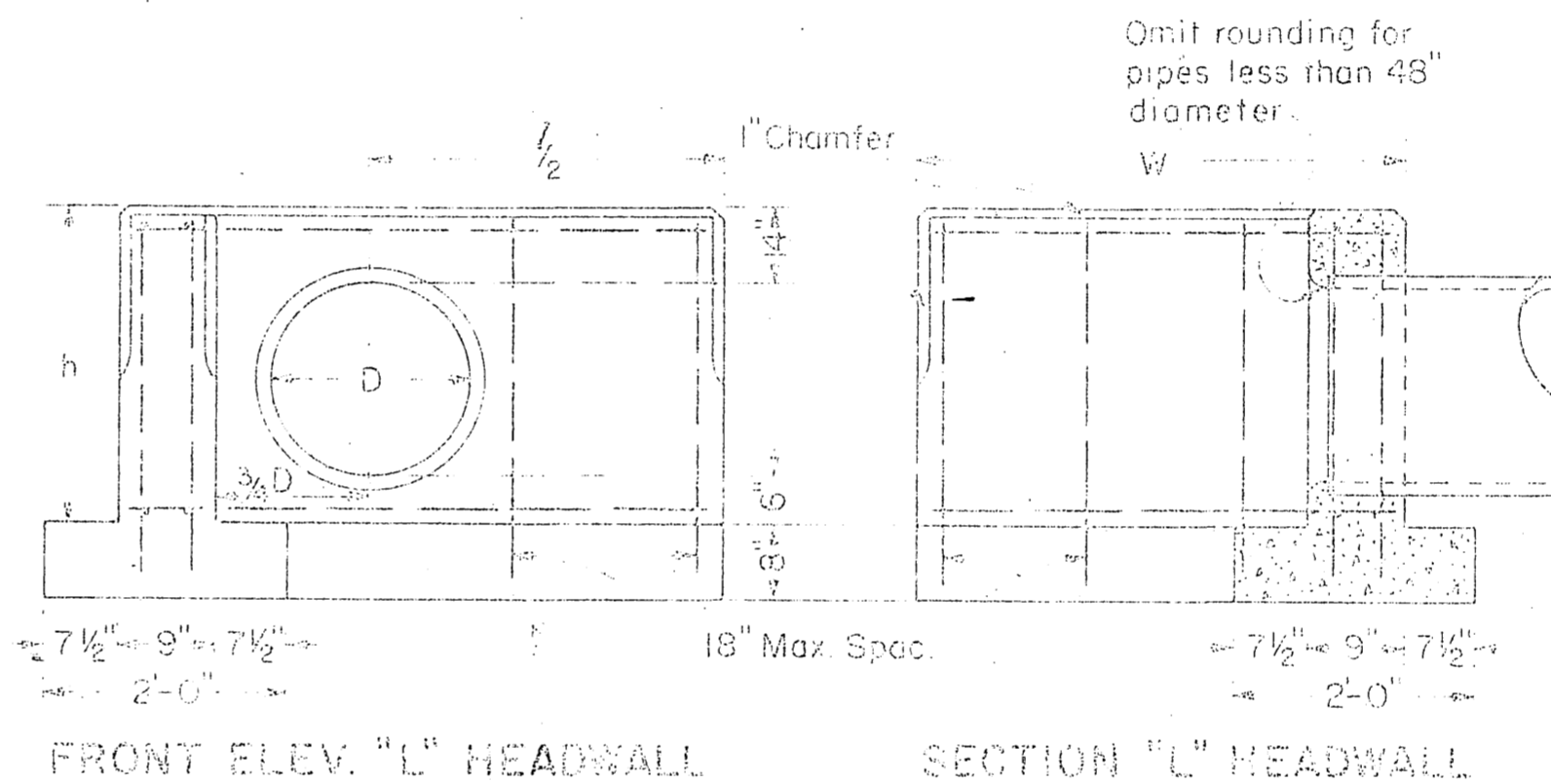


D in	h ft.-in.	Single				Double			
		Vert. bars	Steel lbs	Conc. C.Y.	L ft.-in.	Vert. bars	Steel lbs	Conc. C.Y.	
12	2-0	5	20	0.66	7-0	10	38	0.82	
15	2-11	6	41	0.75	8-6	14	52	1.04	
18	3-2	7	46	0.91	9-6	14	57	1.21	
21	3-8	7	48	1.02	10-9	14	62	1.39	
24	3-8	8	54	1.20	11-6	14	67	1.57	
27	3-11	9	70	1.33	13	15	85	1.84	
30	4-2	10	74	1.52	14-0	18	91	2.04	
33	4-5	11	79	1.73	15-0	18	96	2.25	
35	4-6	12	85	1.95	16-6	18	103	2.56	
39	4-11	12	89	2.09	17-6	20	116	2.79	
42	5-2	13	94	2.34	18-6	20	122	3.05	
45	5-6	14	115	2.60	20-0	23	133	3.38	
48	5-8	15	118	2.75	21-0	23	140	3.64	
51	5-11	16	125	3.03	22-6	26	168	4.02	
54	6-2	17	131	3.31	23-6	26	175	4.30	

Use headwall tables for concrete pipe and for C.M.P.
No deducter made in quantities for variations in thickness of pipe walls.
All reinforcing steel #4 bars.

STRAIGHT HEADWALLS

PIPE CULVERT HEADWALLS

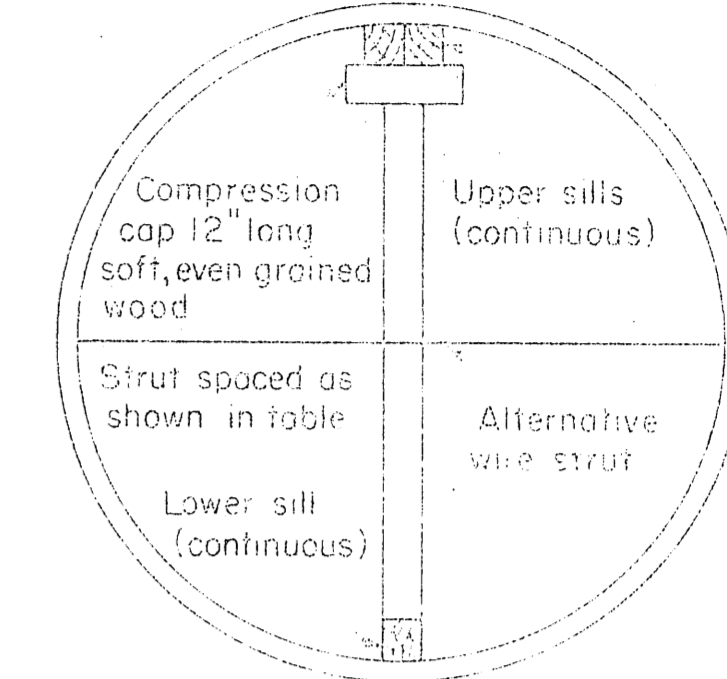


FRONT ELEV. "L" HEADWALL SECTION "L" HEADWALL

D in	h ft.-in.	L ft.-in.	Length of W.					Conc. C.Y.
			2-0" to 3-4"	3-5" to 4-10"	4-11" to 6-4"	6-5" to 7-10"	7-11" to 9-4"	
12	2-8	2-6	28+3W	32+3W			0.30+0.12W	
15	2-11	3-0	36+3W	41+3W			0.40+0.13W	
18	3-2	3-6	40+3W	45+3W			0.59+0.14W	
21	3-5	3-9	43+3W	48+3W			0.65+0.14W	
24	3-6	4-3	47+3W	52+3W	58+3W		0.78+0.15W	
27	3-11	4-9	57+3W	62+3W	68+3W		0.91+0.16W	
30	4-2	5-0	60+3W	66+3W	73+3W	78+3W	1.00+0.17W	
33	4-5	5-6	64+3W	71+3W	77+3W	83+3W	1.15+0.17W	
35	4-6	6-0	68+3W	75+3W	82+3W	88+3W	1.28+0.18W	
39	4-11	6-3	79+3W	86+3W	93+3W	100+3W	1.59+0.19W	
42	5-2	6-9	83+3W	91+3W	98+3W	106+3W	1.54+0.19W	
45	5-6	7-3	105+3W	111+3W	119+3W	124+3W	1.71+0.20W	
48	5-8	7-6	109+3W	115+3W	124+3W	130+3W	1.82+0.21W	
51	5-11	8-0		121+3W	130+3W	136+3W	2.00+0.21W	
54	6-2	8-5		127+3W	136+3W	143+3W	2.15+0.22W	

"L" HEADWALLS

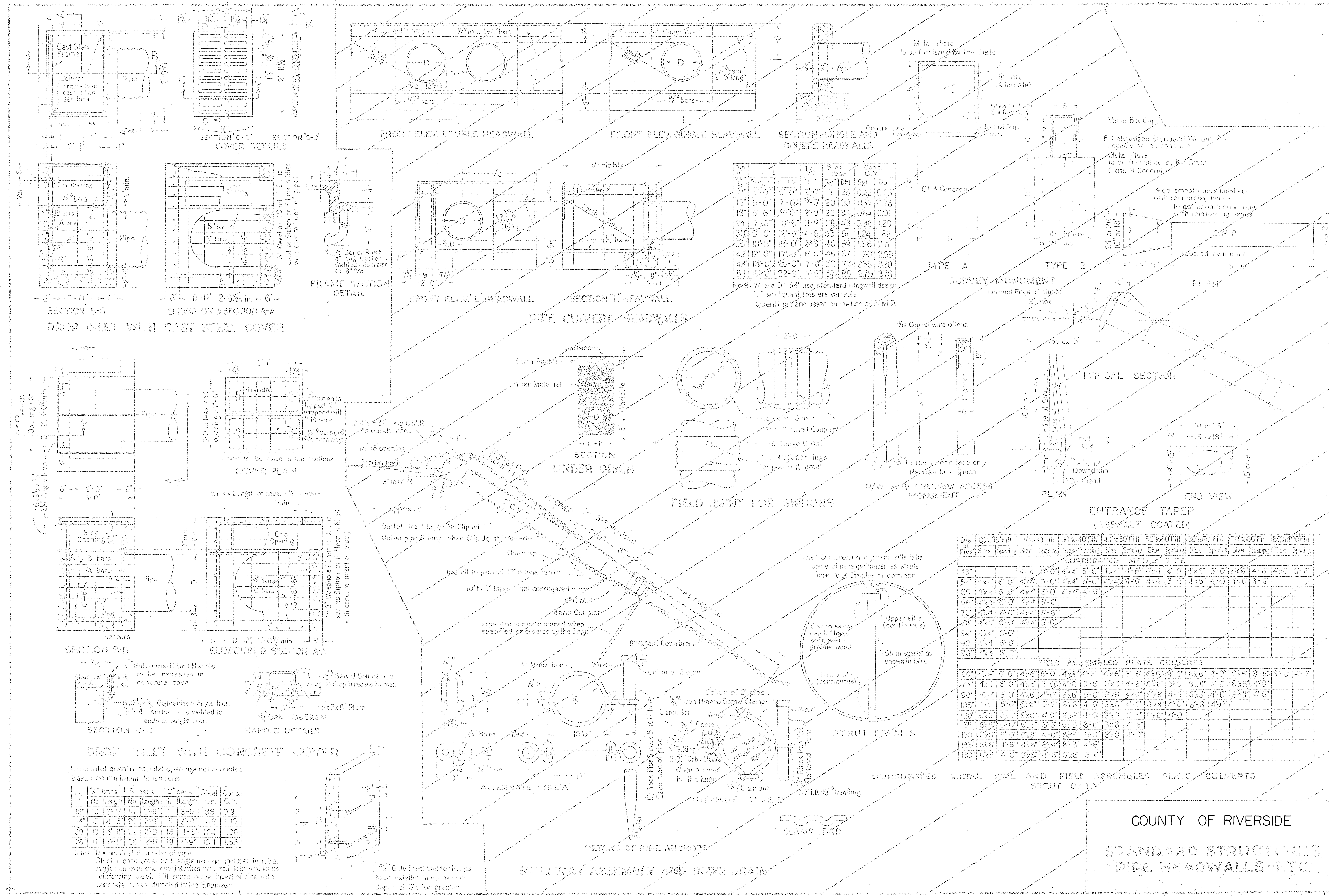
Note: Compression caps and sills to be same dimension timber as struts. Timber for struts and sills shall be Douglas Fir common.



STRUT DETAILS

PIPE DIA.	STRUT SIZE	HEIGHT OF FILL IN FEET							
		0-20	30	40	50	60	70	80	100
48"	4x4		5.0	3.5					
	4x6		5.0	5.0	4.0	3.5	3.0		
	6x6				6.0	5.0	4.5	4.0	3.5
60"	4x4	6.0	4.0	3.0					
	4x6		5.0	4.5	3.5	3.0			
	6x6				5.5	4.5	4.0	3.5	3.0
72"	4x4	5.0	3.0						
	4x6	6.0	5.0	3.5	3.0				
	6x6			6.0	4.5	4.0	3.5	3.0	3.0
84"	6x6	6.0	6.0	5.0	4.0	3.5	3.0		
	6x8				5.0	4.5	4.0	3.5	3.0
	8x8							4.5	3.5
96"	6x6	6.0	5.5	4.5	3.5	3.0			
	6x8			5.5	4.5	4.0	3.5	3.0	
	8x8							4.5	4.0
108"	6x6	6.0	5.0	3.5	3.0				
	6x8		6.0	5.0	4.0	3.5	3.0		
	8x8							4.5	4.0
120"	6x6	6.0	4.0	3.0					
	6x8	6.0	5.5	4.0	3.5	3.0			
	8x8				5.0	4.0	3.5	3.0	
132"	6x6	5.0	3.5						
	6x8	6.0	4.5	3.5	3.0				
	8x8			5.5	4.5	4.0	3.5	3.0	
144"	6x6	4.5	3.0						
	6x8	5.5	4.0	3.0					
	8x8			5.0	4.0	3.5	3.0		
156"	6x6	4.5	3.0						
	6x8	5.0	4.5	3.5	3.0				
	8x8		6.0	4.5	3.5	3.0			
168"	6x6	3.0							
	6x8	6.0	5.0	4.0	3.0				
	8x8								
180"	6x6	3.0							
	6x8	6.0	4.5	3.5					
	8x8								

COUNTY OF RIVERSIDE
PIPE CULVERTS
AND HEADWALLS



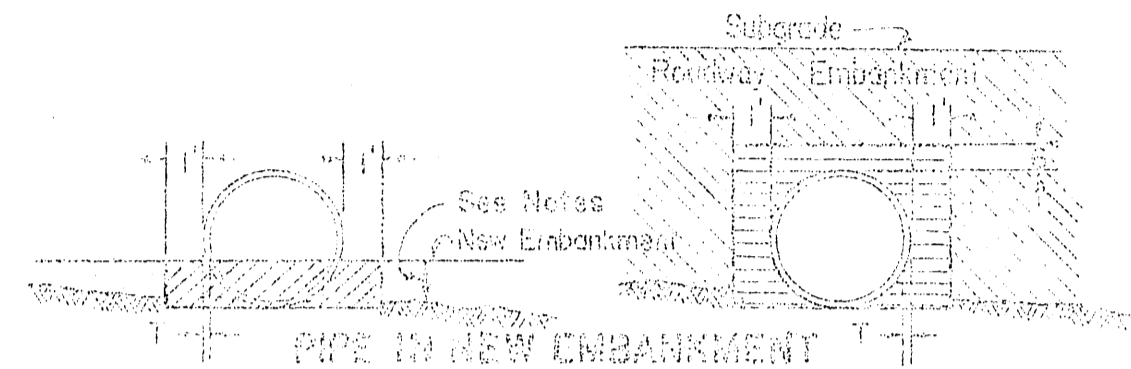
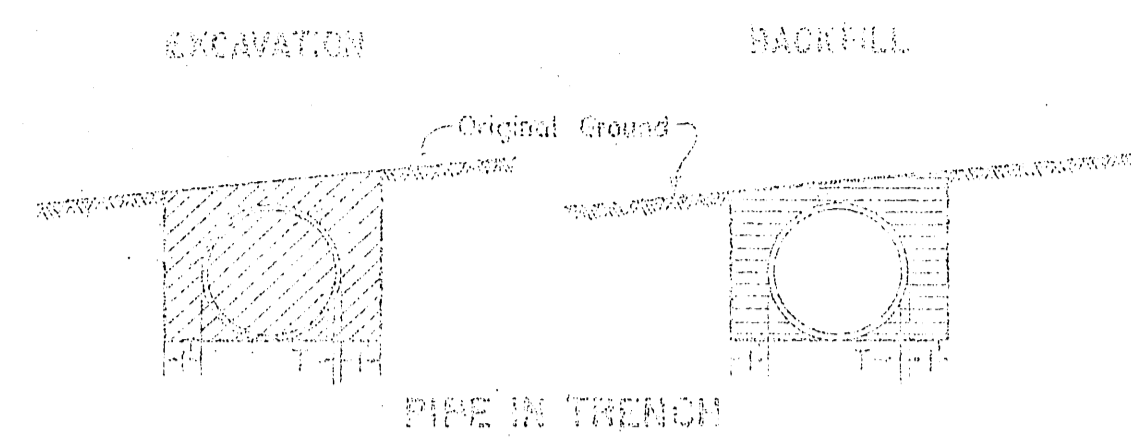
Di. of Pipe	Length	1/2" Steel Sp. Dbl.	Coop. C. Y.
12"	3'-0"	17	0.42
15"	3'-0"	20	0.53
18"	3'-0"	22	0.64
24"	3'-0"	28	0.96
30"	3'-0"	35	1.24
36"	3'-0"	40	1.56
42"	3'-0"	47	1.88
48"	3'-0"	52	2.38
54"	3'-0"	57	2.79

Di. of Pipe	Opening	Size	Spacing	Di. of Pipe	Opening	Size	Spacing
48"	4'x4'	6'-0"	4'x4'	5'-6"	4'x4'	4'-0"	4'x4'
54"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
60"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	4'-0"	4'x4'
66"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
72"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
78"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
84"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
90"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
96"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
102"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
108"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
114"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'
120"	4'x4'	6'-0"	4'x4'	6'-0"	4'x4'	3'-6"	4'x4'

Drop inlet quantities, inlet openings net deducted based on minimum dimensions

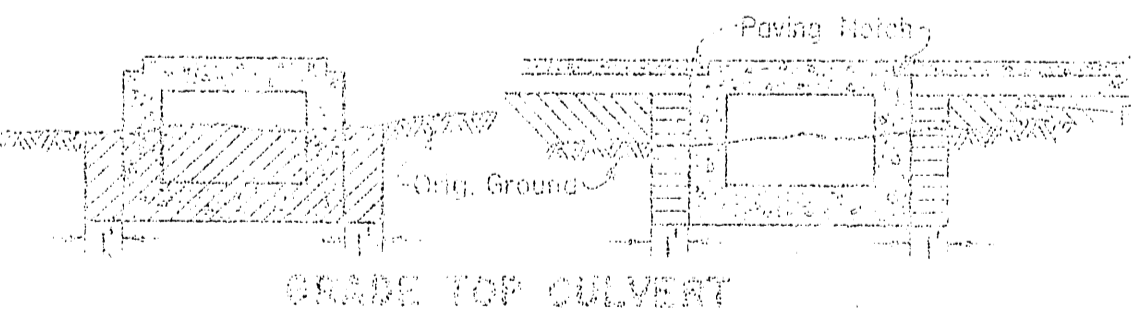
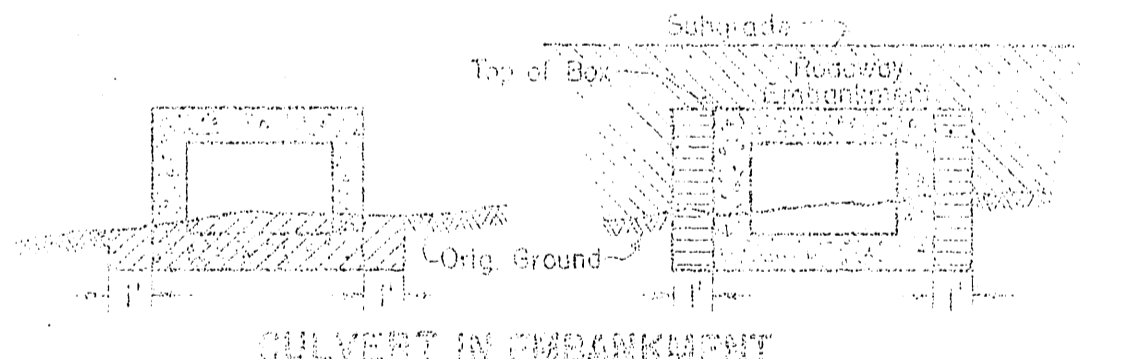
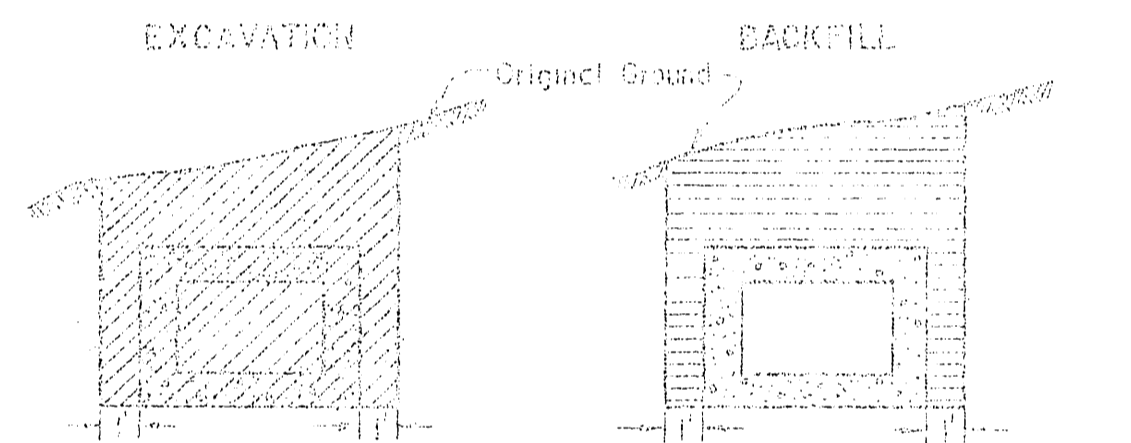
Di.	A bars	B bars	C bars	Steel lbs.	Coop. C. Y.
18"	10	3	15	2.5	0.91
24"	10	4	20	3.9	1.40
30"	10	4	22	4.9	1.30
36"	11	5	25	5.9	1.68

COUNTY OF RIVERSIDE
STANDARD STRUCTURES
PIPE HEADWALLS-ETC.

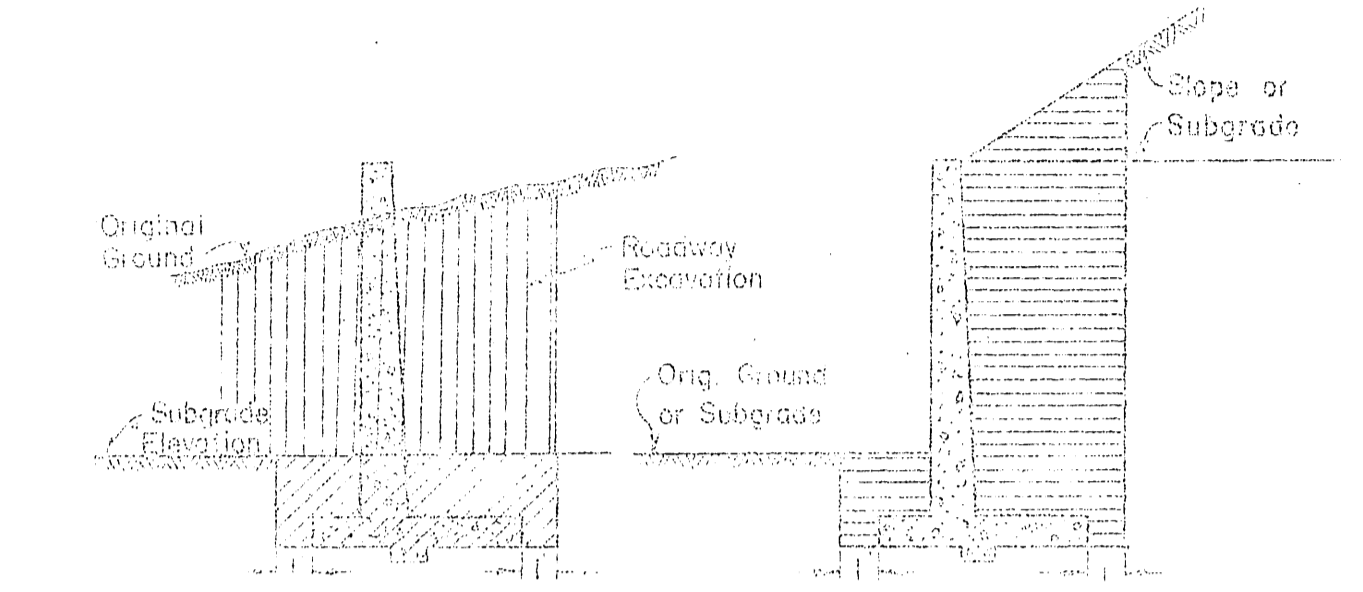
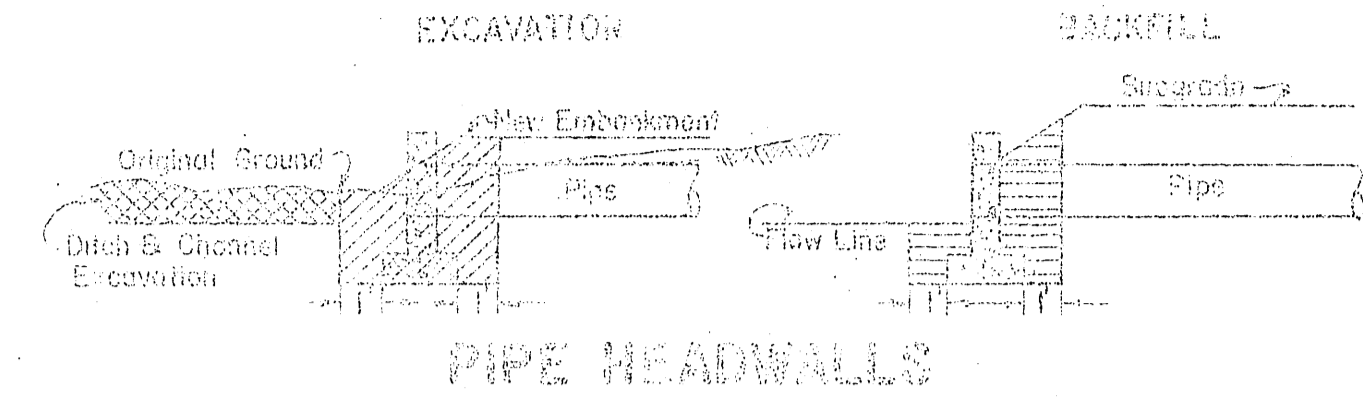


Height of Top of Embankment Before Excavating for Pipe Shall Be As Follows:-
 For pipe 24" or less dia. 3' above top of pipe
 For C.M.P. over 24" to 36" dia. 30" above bottom of pipe
 For C.M.P. over 36" dia. 1/3 point of dia. above bottom of pipe
 For R.C.P. over 24" dia. 30" above bottom of pipe
 For R.C.P. over 36" dia. 1/3 point of dia. above bottom of pipe
 Structures backfill 3' above top of pipe
 For pavement quantities - excavation and backfill concrete pipe 1/2 minimum wall thickness as shown in section 45 - 1954 Standard Specifications.
 For C.M.P. 1'-0.00

PIPES, HOLES & DEADMEN
 Except Underdrains & Downdrains

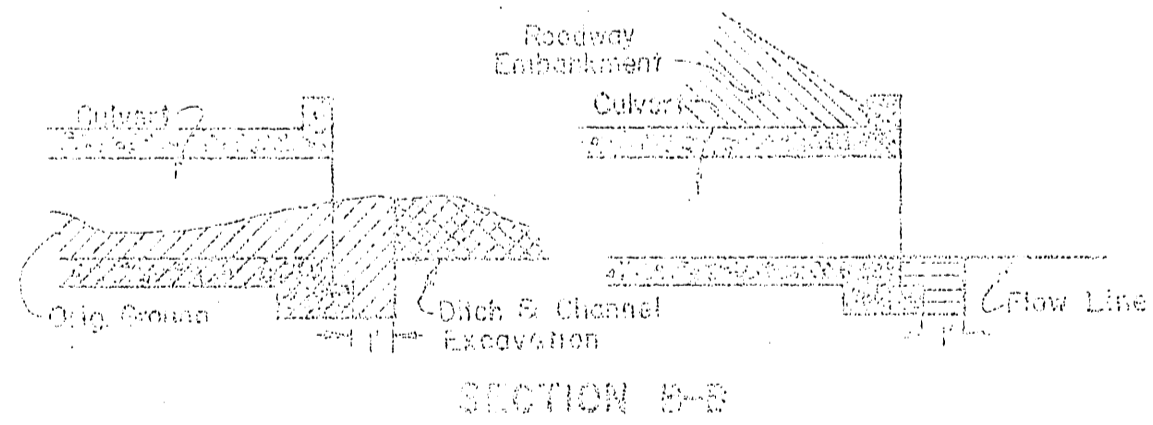
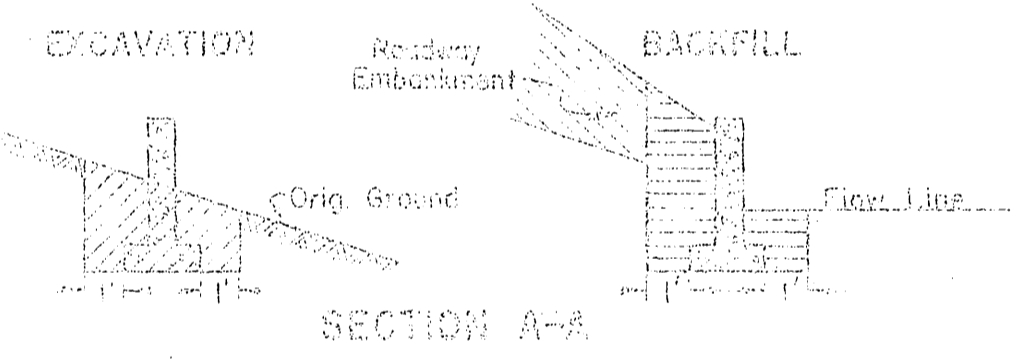
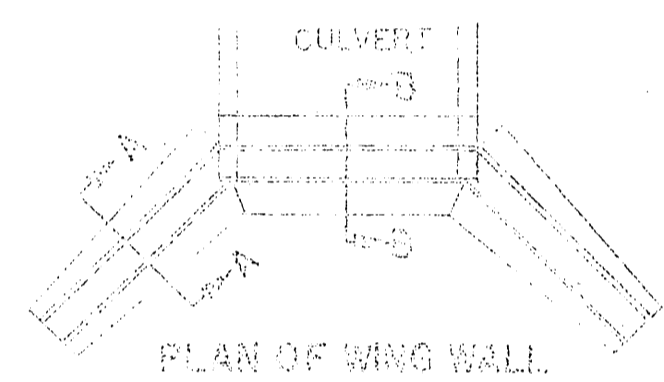


BOX CULVERTS

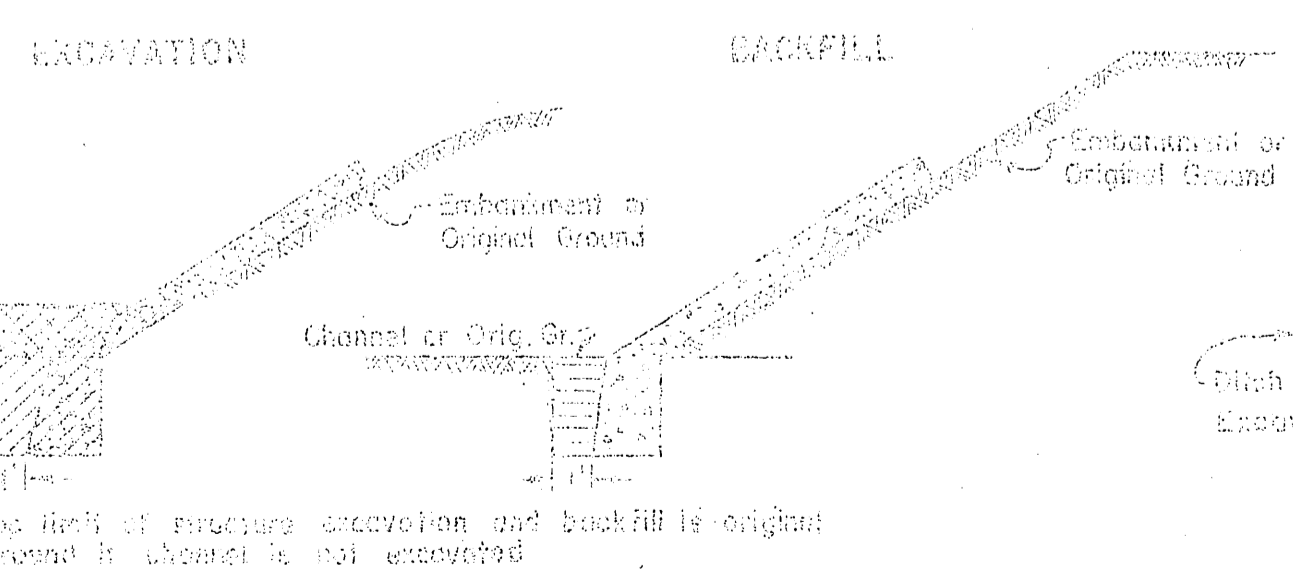


RETAINING WALLS

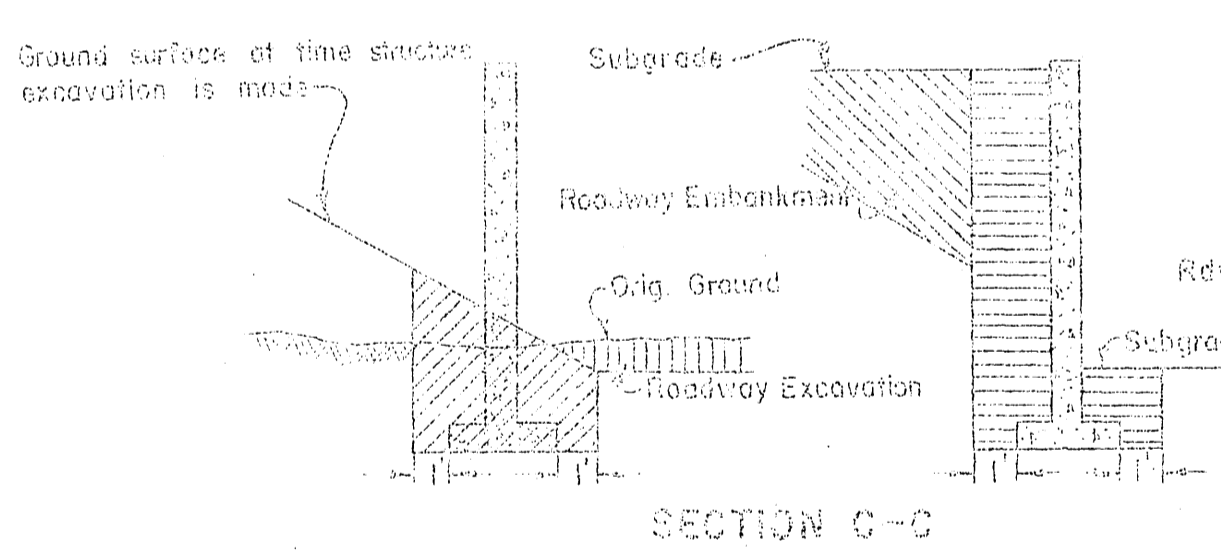
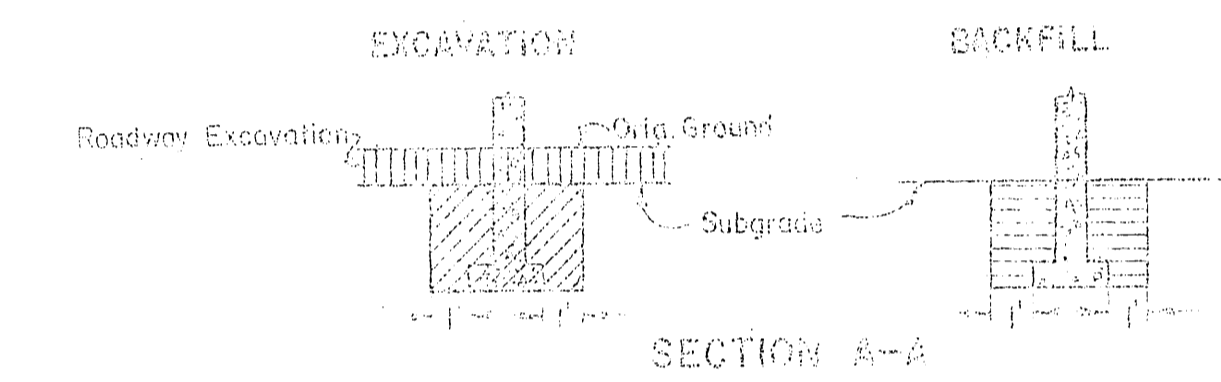
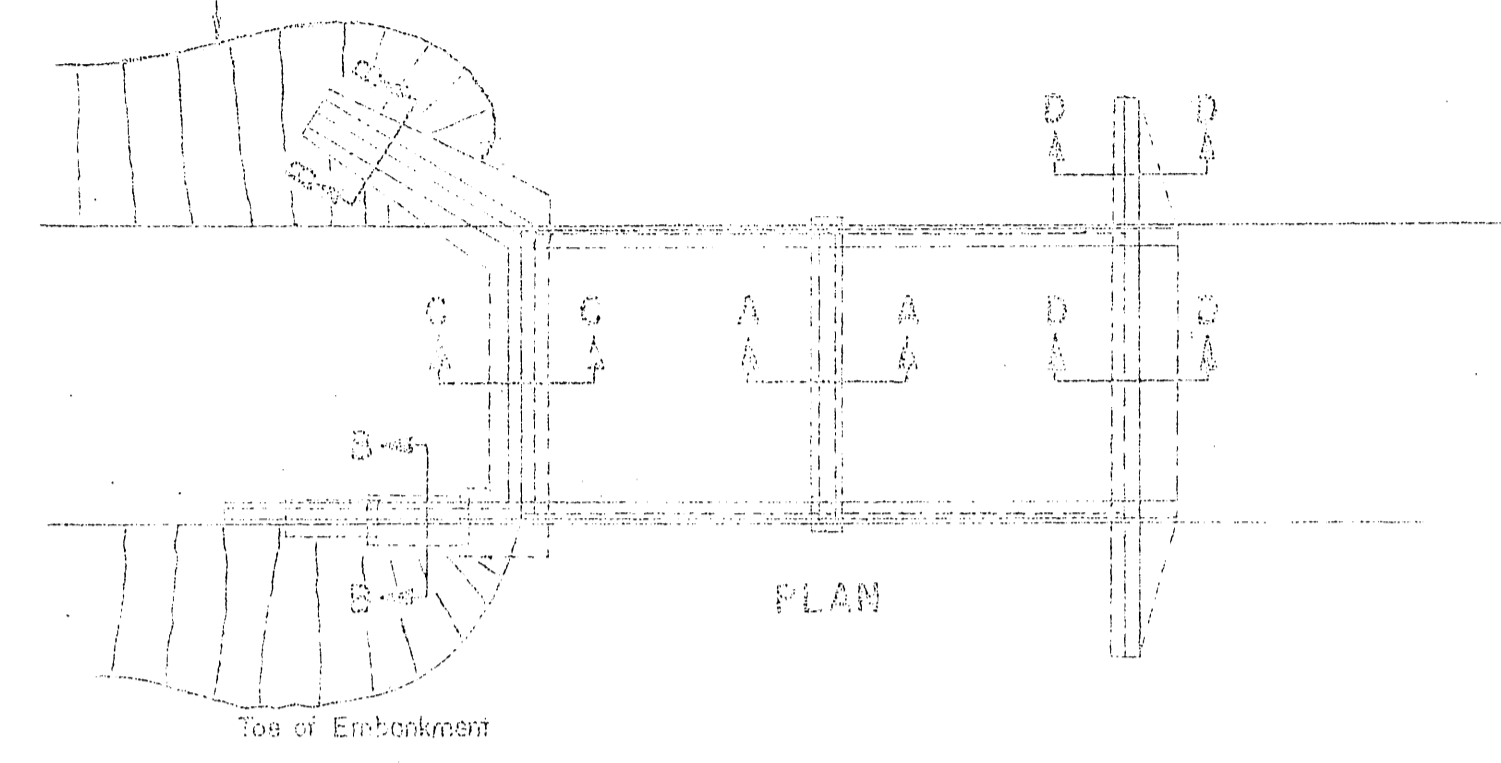
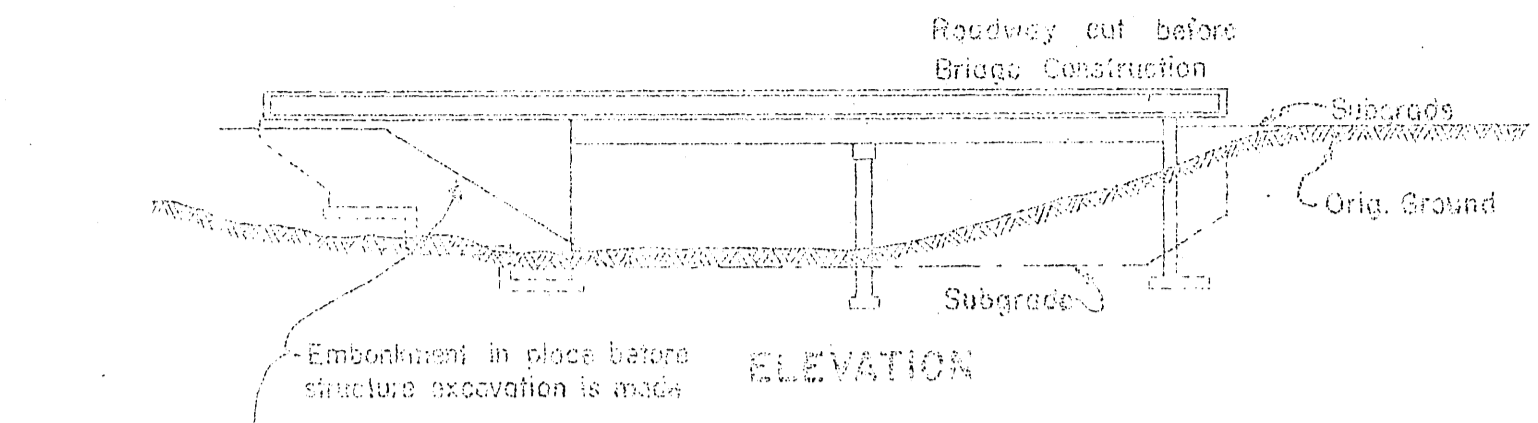
Note: If no roadway excavation is involved of the wall structure excavation will be measured from the original ground.



WING WALLS

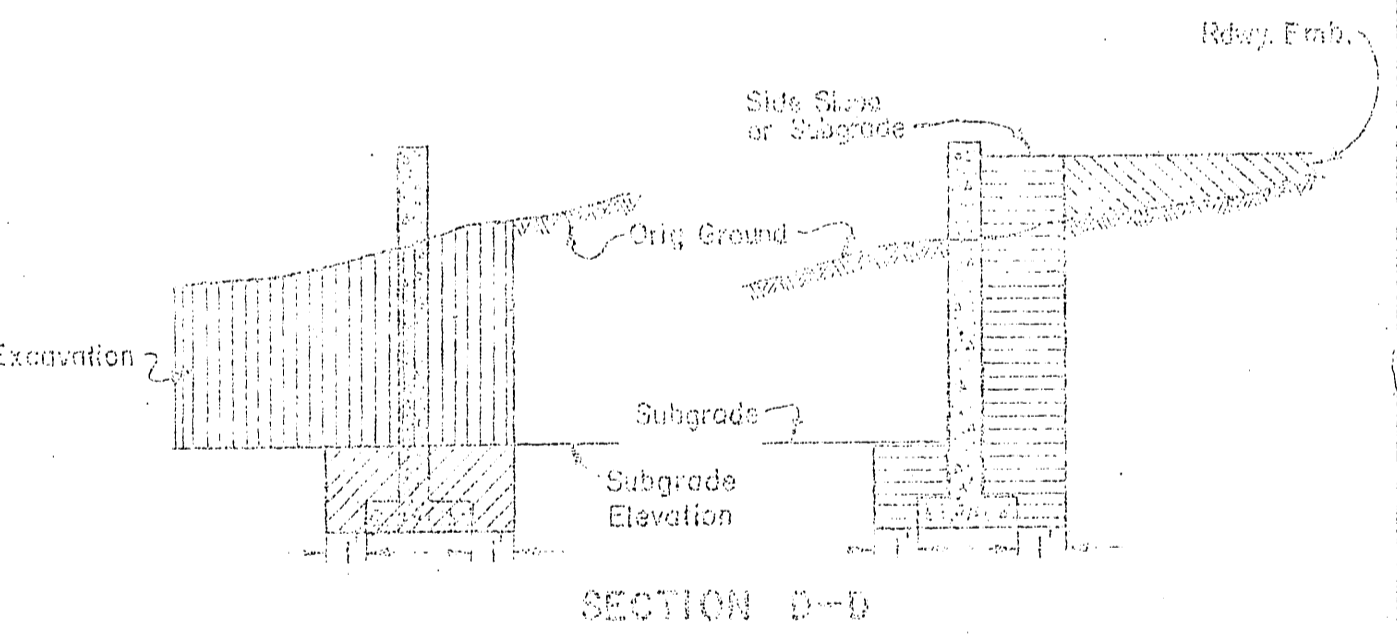
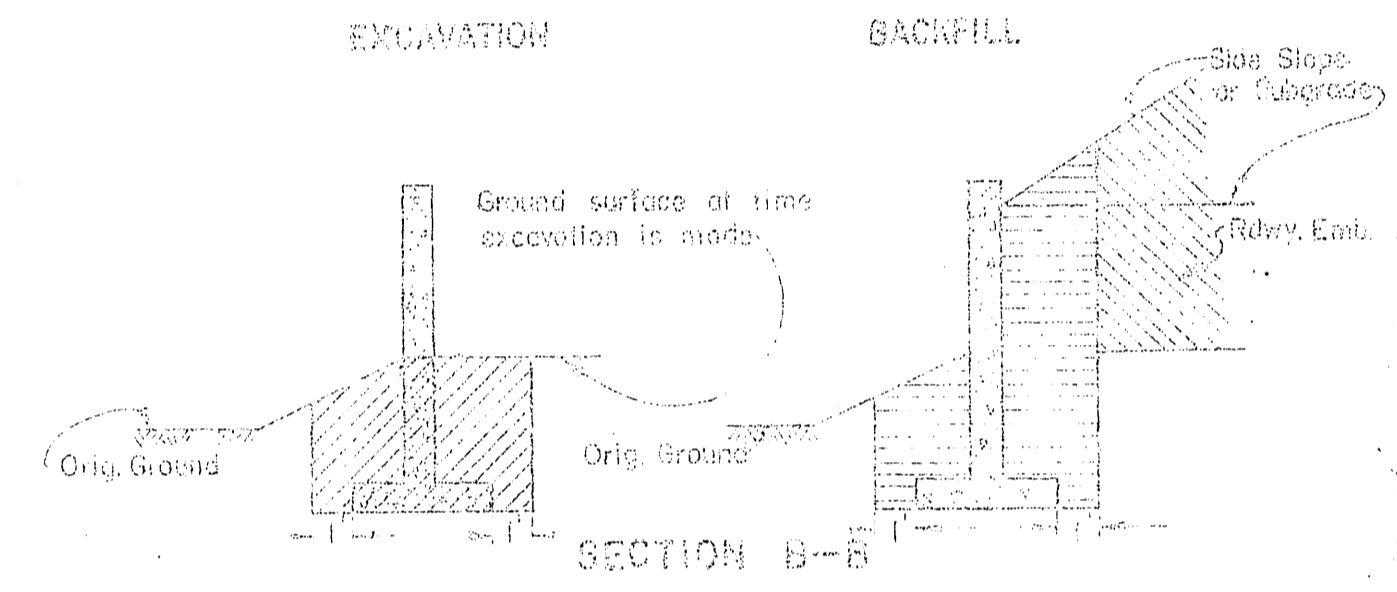


MONOLITHIC CONCRETE SLOPE PAVING



BRIDGE ABUTMENTS & ADJOINING WING WALLS

Note: If no roadway excavation is involved of the bridge structure excavation will be measured from the original ground.



LEGEND

- Structure Excavation
- Structure Backfill
- Ditch & Channel Excavation
- Roadway Embankment
- Roadway Excavation

Note: Subgrade shall be lowest subgrade or defined in the Standard Specifications

COUNTY OF RIVERSIDE

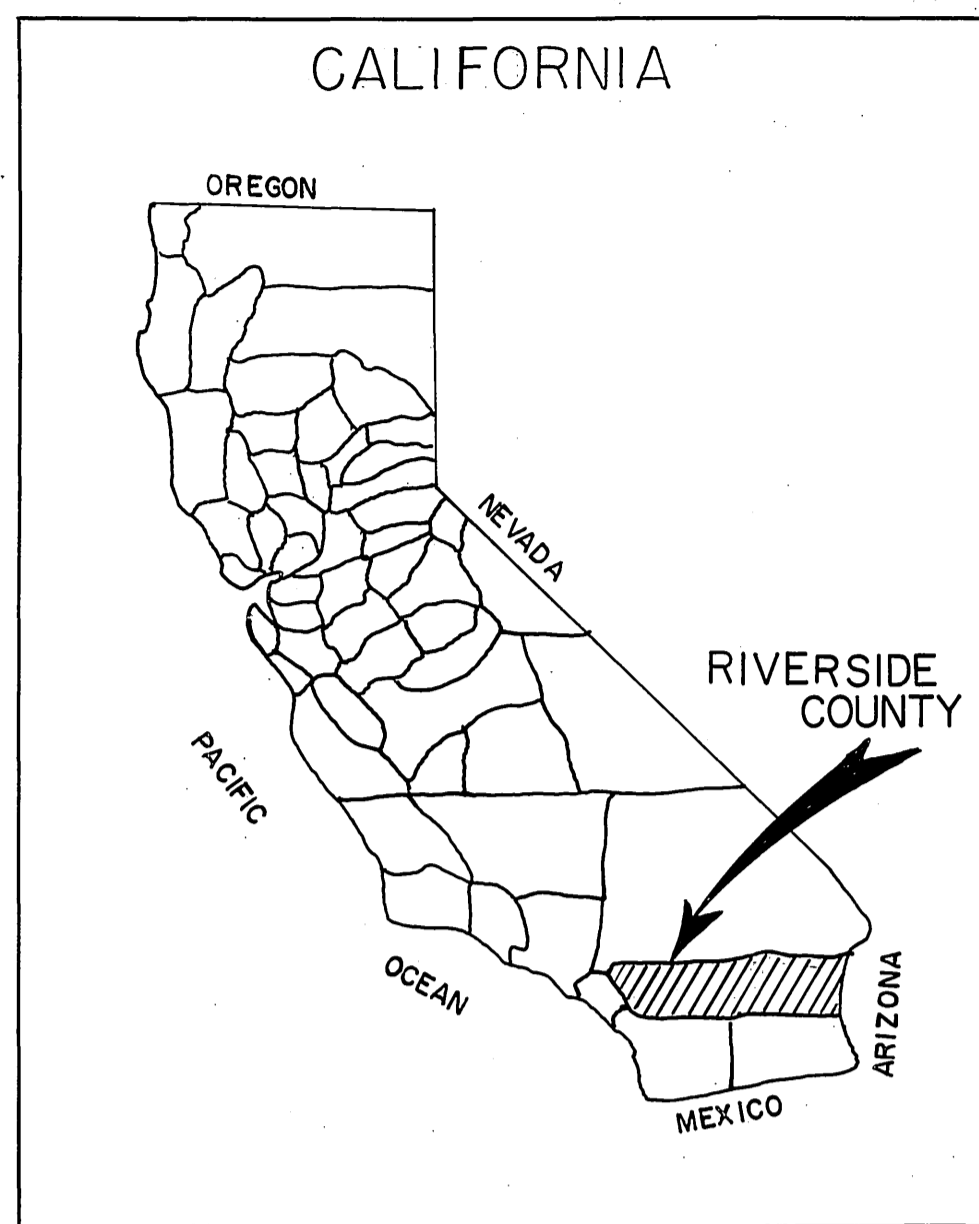
STRUCTURE EXCAVATION AND STRUCTURE BACKFILL

SCALE: 1" = 10'-0"

REVISIONS:

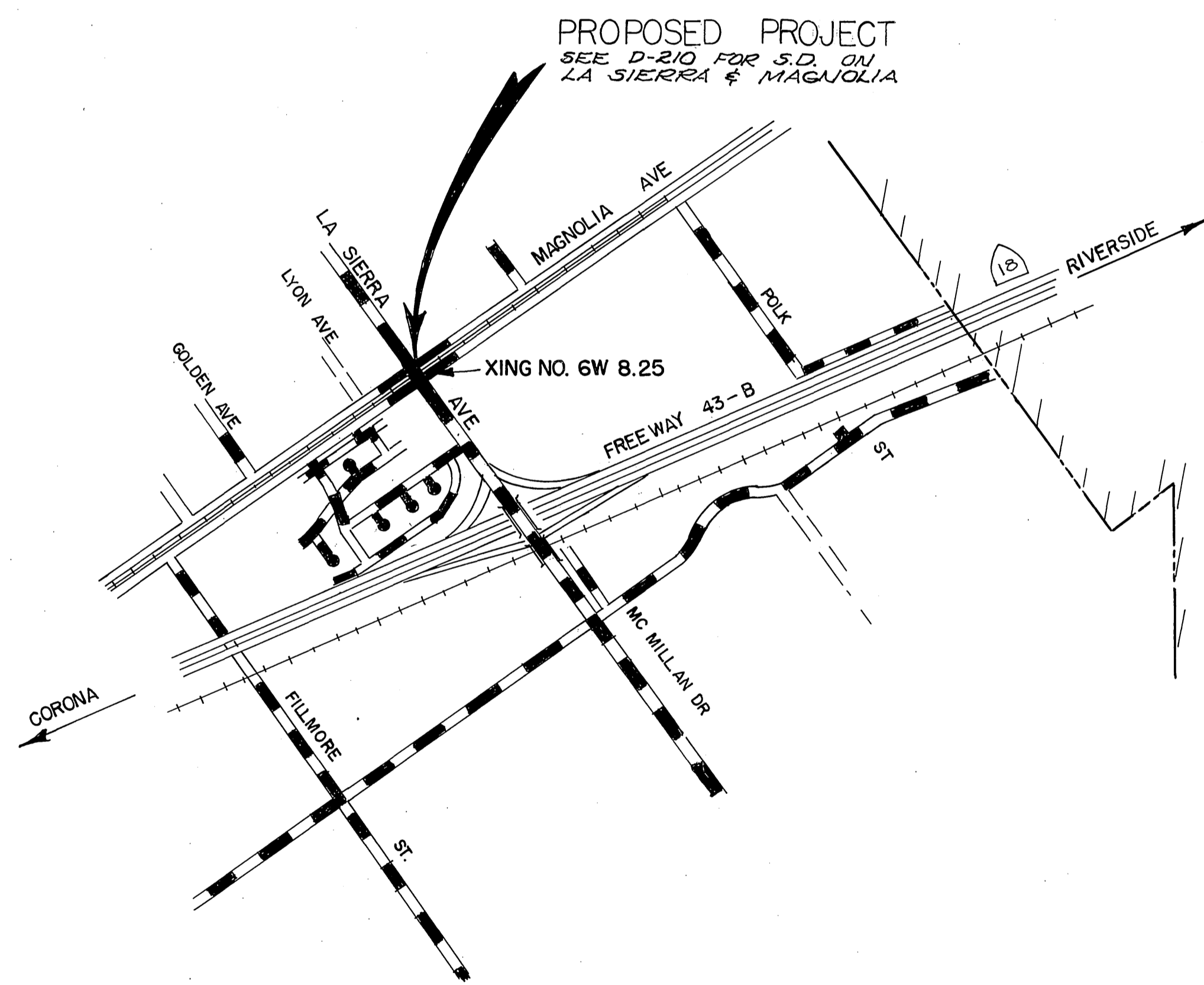
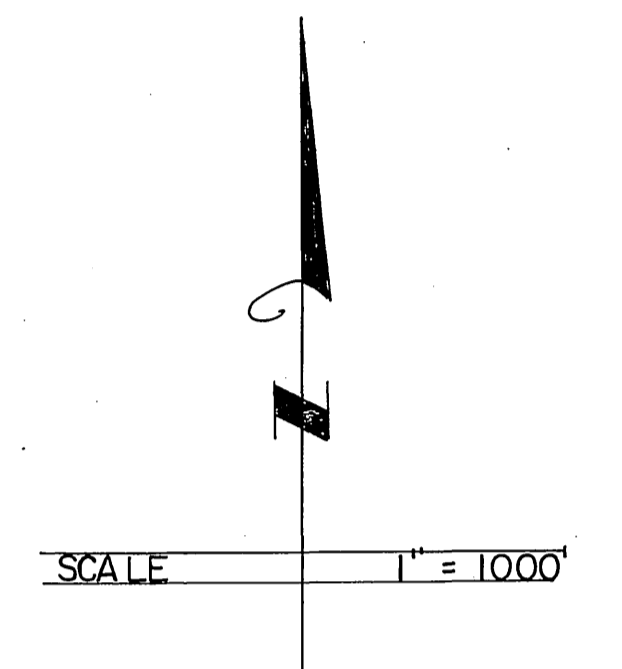
NO.	DATE	DESCRIPTION
1	1-1-58	Revised by B.A.M. (Adjoining Wing Walls)
2	1-23-58	Revised by B.A.M. (Adjoining Wing Walls)
3	8-10-55	Revised by B.A.M. (Adjoining Wing Walls)
4	10-1-54	Revised by B.A.M. (Adjoining Wing Walls)
5	2-18-56	Revised by B.A.M. (Adjoining Wing Walls)

DATE: 10-1-54
 DRAWN: [Name]
 CHECKED: [Name]
 TITLE: (Copy on Retaining Walls)



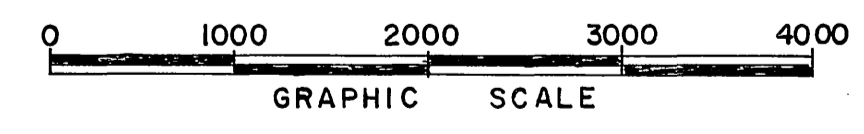
RIVERSIDE COUNTY ROAD DEPT. PLAN & PROFILE

RECONSTRUCTION AND SIGNALIZATION OF THE INTERSECTION OF MAGNOLIA AVE AND LA SIERRA AVE



CONVENTIONAL SIGNS

POWER POLE	○
POWER TOWER	⊠
TELEGRAPH OR TELEPHONE POLE	◦
TOWNSHIP LINE	-----
SECTION LINE	-----
RAILROAD TRACKS	+++++
CULVERTS	-----
DROP INLET	□
FENCE	-----
GUARD RAIL	-----
UNFENCED PROPERTY	-----
RIGHT OF WAY LINE	-----
BASE OR SURVEY LINE	-----
TRAVELED WAY	-----



PLANS APPROVED
 COUNTY OF RIVERSIDE
A. C. Keith
 COUNTY SURVEYOR
 ROAD COMMISSIONER
 CIVIL ENGINEER LICENSE NUMBER 4388