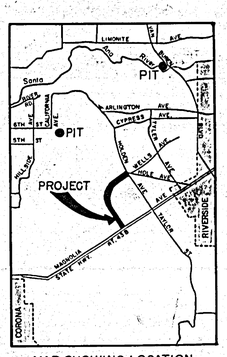
DIST.	COUNTY	ROUTE	SEC	SHEET NO.	TOTAL SHEETS	FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VIII	RIV.	1250		1	22	2	CAL	S-1250(1)	1957	1	22



MAP SHOWING LOCATION OF COUNTY OWNED BORROW PITS

INDEX OF SHEETS

Sheet No.	1	Title Sheet
" "	2	Typical Cross Section
" "	3-7	Plan and Profile
" "	8-11	Intersection Details
" "	12	Miscellaneous Details
" "	13	Culvert Sheet
" "	14	Intersection Details
" "	15	Drainage Details
" "	16-22	Standard Structures
" "	1-66	Cross Section & Superelevation Diagram
" "	1-2	Mass Diagram

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

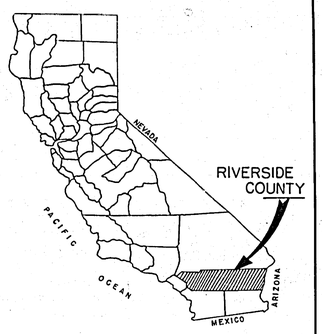
COUNTY OF RIVERSIDE
PLAN AND PROFILE

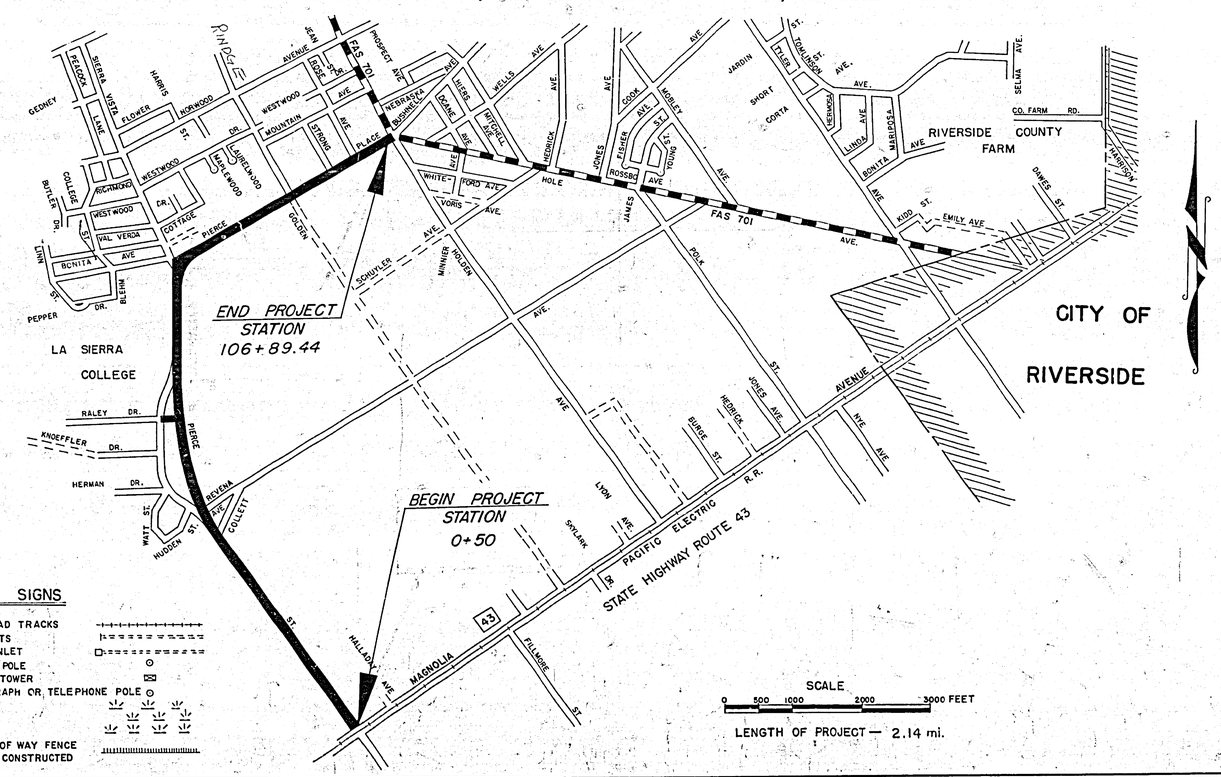
FEDERAL AID SECONDARY PROJECT NO. S-1250 (1)

PIERCE STREET AND PIERCE PLACE

BETWEEN STATE ROUTE 43, TWO MILES WESTERLY OF RIVERSIDE, AND HOLDEN AVENUE

CALIFORNIA





SCALE
0 500 1000 2000 3000 FEET
LENGTH OF PROJECT — 2.14 mi.

COUNTY OF RIVERSIDE

A. C. Keith
COUNTY SURVEYOR & ROAD COMMISSIONER
CIVIL ENGINEER LICENSE NUMBER 4388

APPROVED BY THE BOARD OF SUPERVISORS
July 22, 1957
BY [signature]
CHAIRMAN

STATE OF CALIFORNIA

[signature]
DISTRICT ENGINEER, DISTRICT VIII
APPROVED AUGUST 26, 1957
G. T. McCoy
STATE HIGHWAY ENGINEER
CIVIL ENGINEER LICENSE NUMBER 2084
by Chas. E. Waite
Deputy State Highway Engineer
Civil Engineer License No. 5451

CONVENTIONAL SIGNS

COUNTY LINE	RAILROAD TRACKS
CITY OR TOWN LIMITS	CULVERTS
TOWNSHIP LINE	DROP INLET
GRANT LINE	POWER POLE
SECTION LINE	POWER TOWER
FENCE	TELEGRAPH OR TELEPHONE POLE
GUARD RAIL	
UNFENCED PROPERTY	MARSH
RIGHT OF WAY LINE	
BASE OR SURVEY LINE	RIGHT OF WAY FENCE TO BE CONSTRUCTED
TRAVELED WAY	

37.2

58 SUDOC-P

R-1084 R-1084

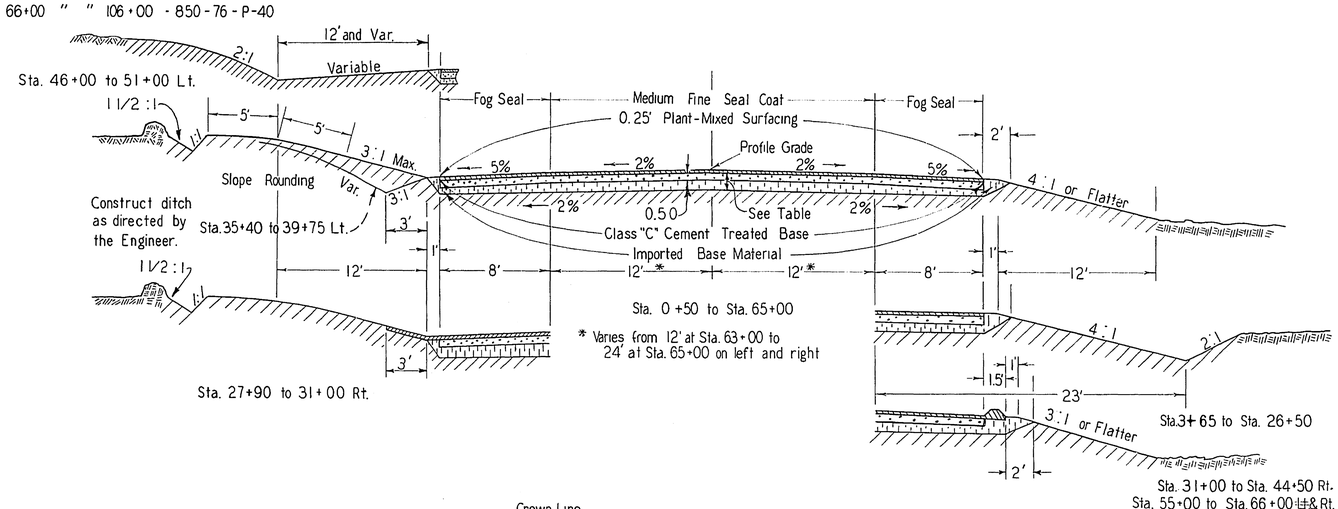
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250(1)	1957	2	22

DIST	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV.	1250		2	22

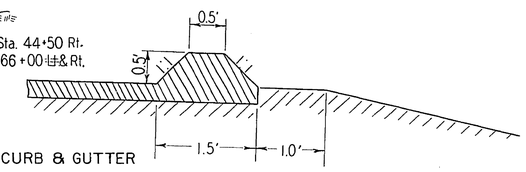
Dist. Eng. Dist.

G. C. Keith
County Surveyor
APPROVED AUGUST 26, 1957
S. L. Abee
State Highway Engineer
by Chas. R. Lowe

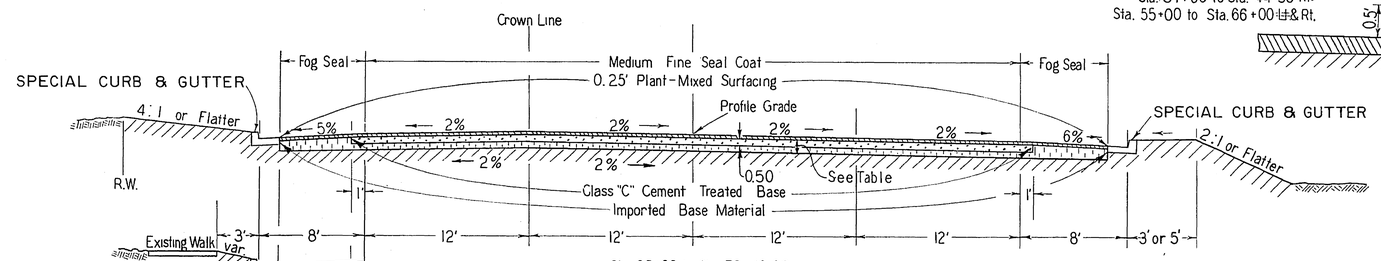
DESIGN CLASSIFICATION
STA. 0+50 TO STA. 66+00 - 260-76-P-40
" 66+00 " " 106+00 - 850-76-P-40



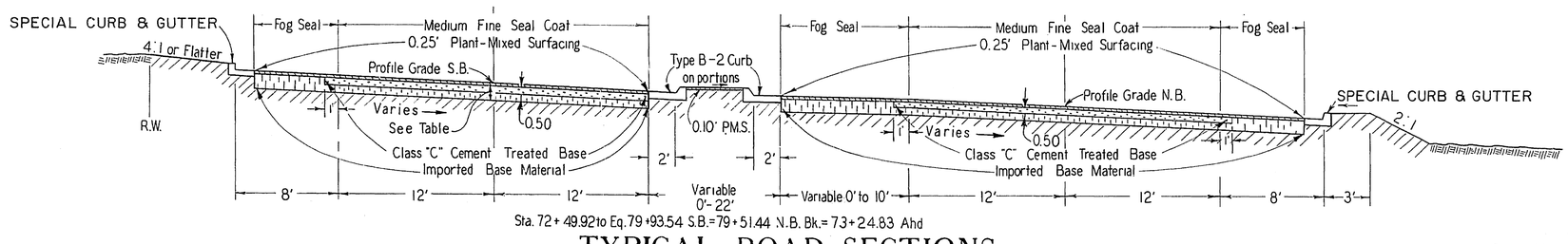
IMPORTED BASE MATERIAL includes por to be cement treated			
STA.	TO STA.	DEPTH	
0+00	44+00	1.50'	0+00 - 25+00 IMPORTED Thick
44+00	EQUATION	1.17'	
EQUATION	77+00	1.17'	
77+00	90+50	1.33'	
90+50	END PROJ.	0.75'	



Shoulder Dike
Scale: 1" = 1'



Left side along Pierce Place
Replace 600 ft. Side Walk
Sta 89+00 - 95+00



TYPICAL ROAD SECTIONS
(VIII-Riv-1250)
PIERCE STREET AND PIERCE PLACE

Superelevation as directed by the Engineer

SCALE: 1" = 5'

Recommended:
Asst. State Highway Engineer
Registered Civil Engineer License No. 5645

R-1084

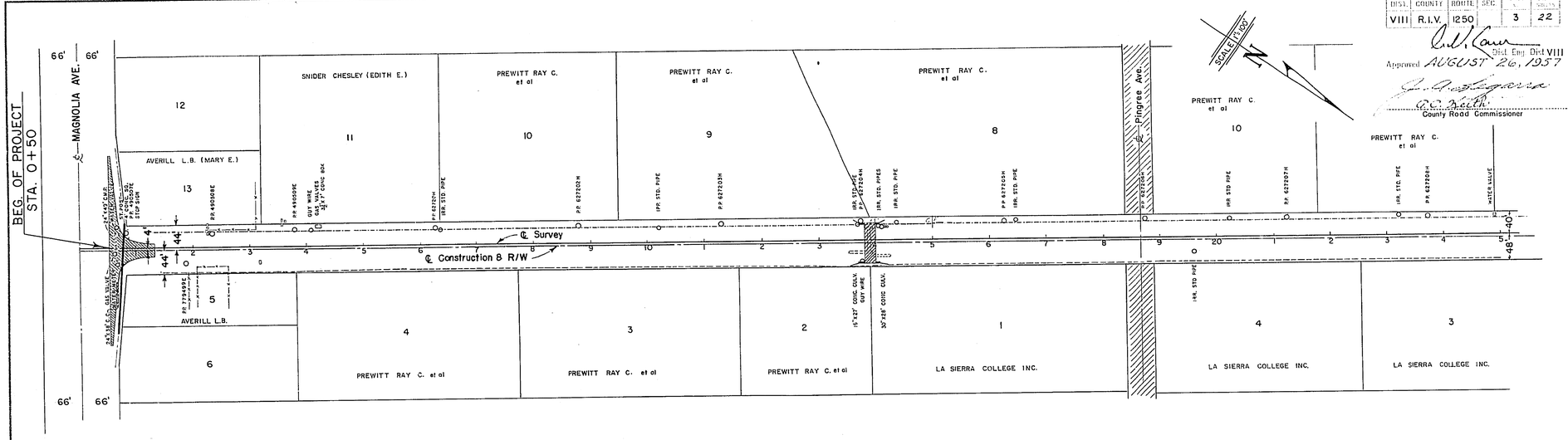
SHEET NO.	STATE	FED. AID PROJ. NO.	TOTAL SHEETS
2	CAL	S-1250(11) 1957	3	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	R.I.V.	1250		3	22

Dist. Eng. Dist VIII

Approved AUGUST 26, 1957

County Road Commissioner



B.M. No. 1 R.R. Spike East Side P.P. 202
42' Lt. Sta. 0+66 N.W. Cor. of
Pierce & Magnolia Elev. 695.37

B.M. No. 2 R.R. Spike East Side P.P. 627205 H
28' Lt. Sta. 16+26 Elev. 692.52

Construct Drive way approaches
of following locations as
directed by the Engineer. Surface with P.M.S.

Sta. 1+76 Rt.
" 1+98 Rt.
" 2+30 Lt.
" 2+78 Rt.
" 3+56 Rt.
" 3+71 Lt.
" 13+65 Rt.
" 14+15 Rt.

Sta. 0+76 Place 24"x200' C.M.P.

Sta. 0+79 lt. & rt. Remove
Concrete as directed by
the Engineer.

Sta. 13+65 Rt. Remove 16"x27' conc. culv. side drain
Replace with 18"x26' C.M.P. as directed by
the Engineer.

Sta. 13+90, Remove 60"x42' C.M.P. and Headwalls.
Construct double 10x8=A=IV=x72'
Box Culvert, as directed by the
Engineer.

692.10
692.06
692.13

700
690
-0.200%
+0.267%
100' V.C.

Sta. 14+15 Rt. Remove 30"x28' conc. culv. side drain
Replace with 24"x28' C.M.P. as directed by
the Engineer.

Sta.	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	SHEET TOTAL
Cu. Yds. Exc.	318	178	175	121	134	121	112	100	103	136	190	125	270	280	336	260	218	203	110	117	101	77	78	71	55		4207
Cu. Yds. Emb.	3	12	35	41	68	74	68	71	73	69	53	59	36	10	26	43	38	51	60	72	85	93	97	94	133		1166

3

R-1084

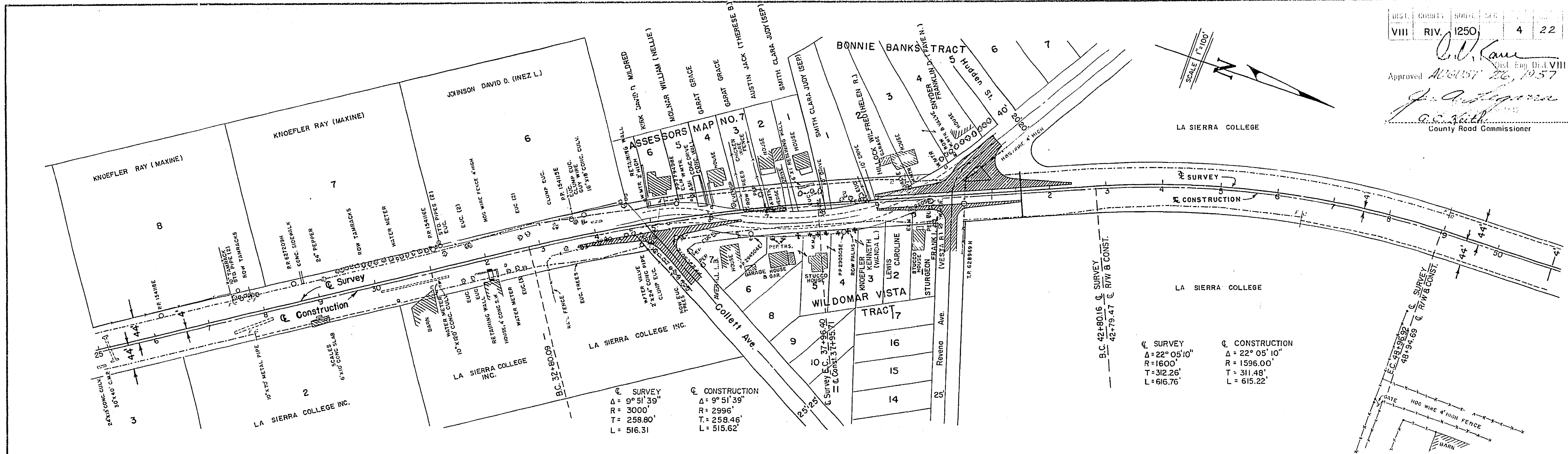
2	Cal	S-1250(I) 1957	4	22	
VIII	RIV.	1250		4	22

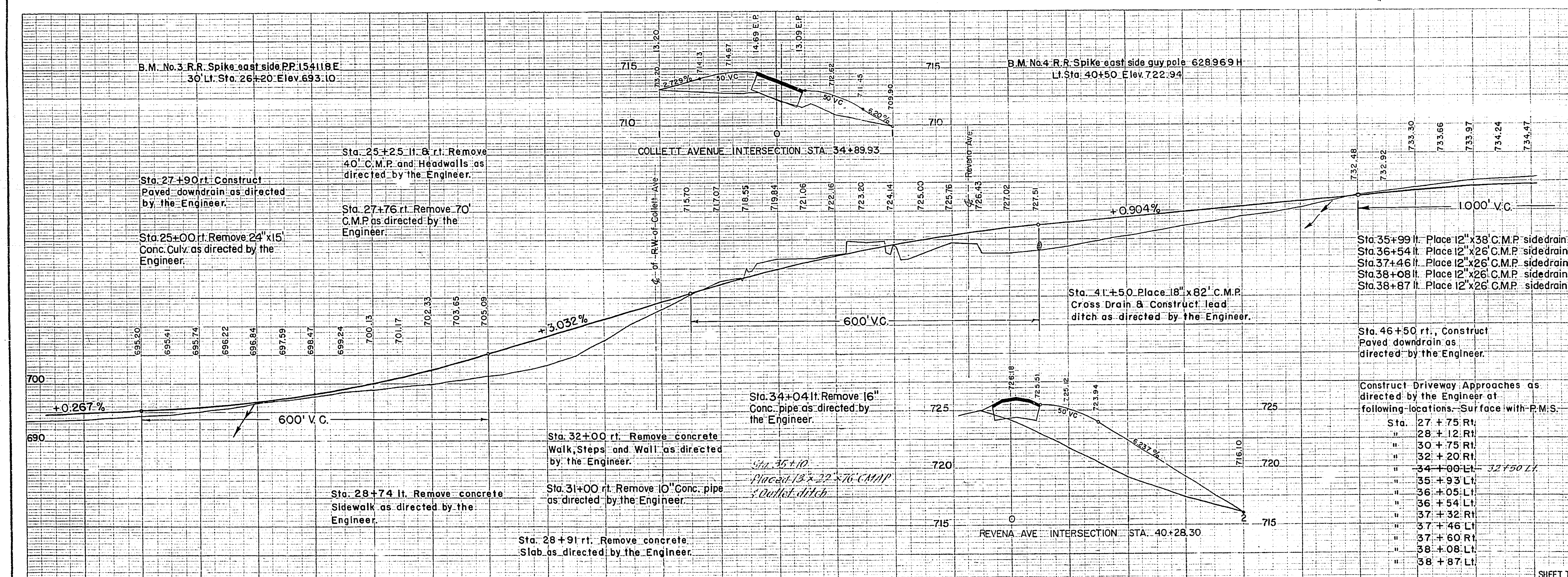
Approved August 26, 1957

C. V. Kane Dist. Eng. Dist. VIII

J. A. ... / A. C. Keith

County Road Commissioner

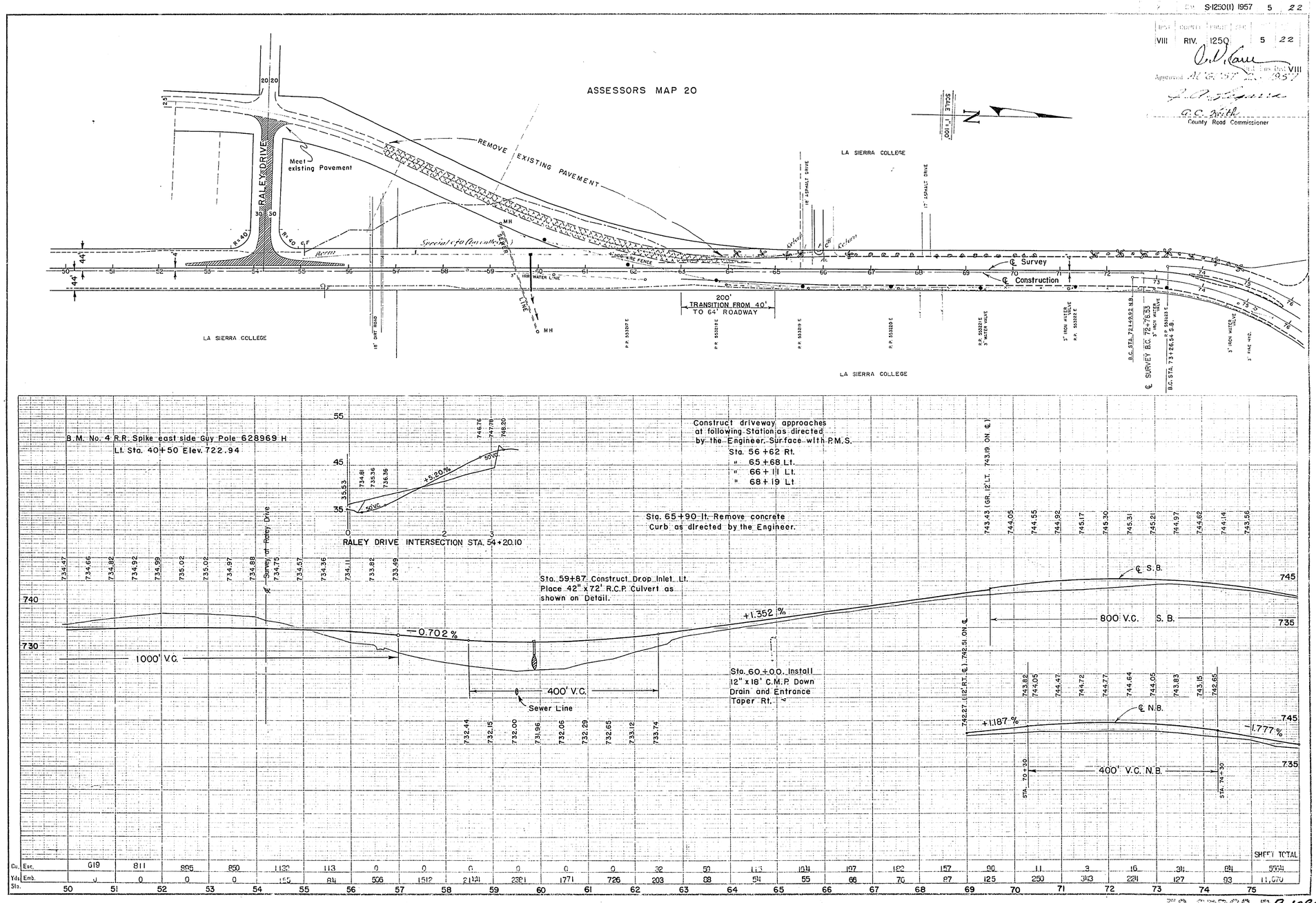




Sta.	25–26	26–27	27–28	28–29	29–30	30–31	31–32	32–33	33–34	34–35	35–36	36–37	37–38	38–39	39–40	40–41	41–42	42–43	43–44	44–45	45–46	46–47	47–48	48–49	49–50	SHEET TOTAL
Cu. Yds Exc.	70	93	179	215	197	94	8	0	0	134	174	432	402	371	121	318	0	0	0	1	15	151	339	446	532	4292
Cu. Yds Emb.	105	92	30	6	17	76	324	703	811	381	34	3	28	62	127	679	745	616	445	278	150	21	3	1	0	5738

58-8DDC6-P R-1084

4



58-SDDC6-P R-1084

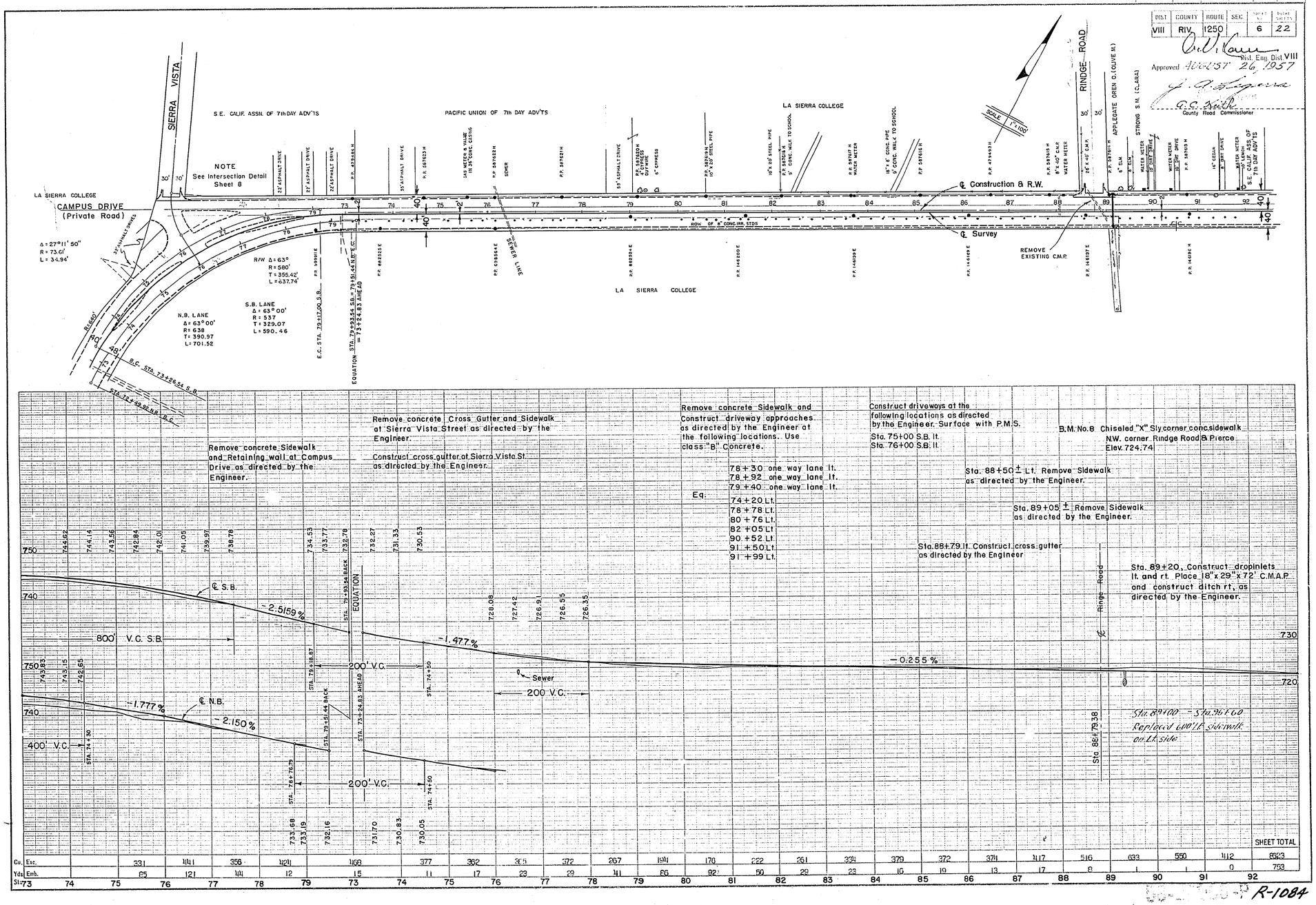
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250(1)	1957	6	22

DIST	COUNTY	ROUTE	SEC	SHEET NO.	TOTAL SHEETS
VIII	RIV.	1250		6	22

Dist. Eng. Dist. VIII

Approved AUGUST 26, 1957

County Road Commissioner



R-1084

FED. AID PROJ. DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	Cal.	S-1250(1)	1957	7	22

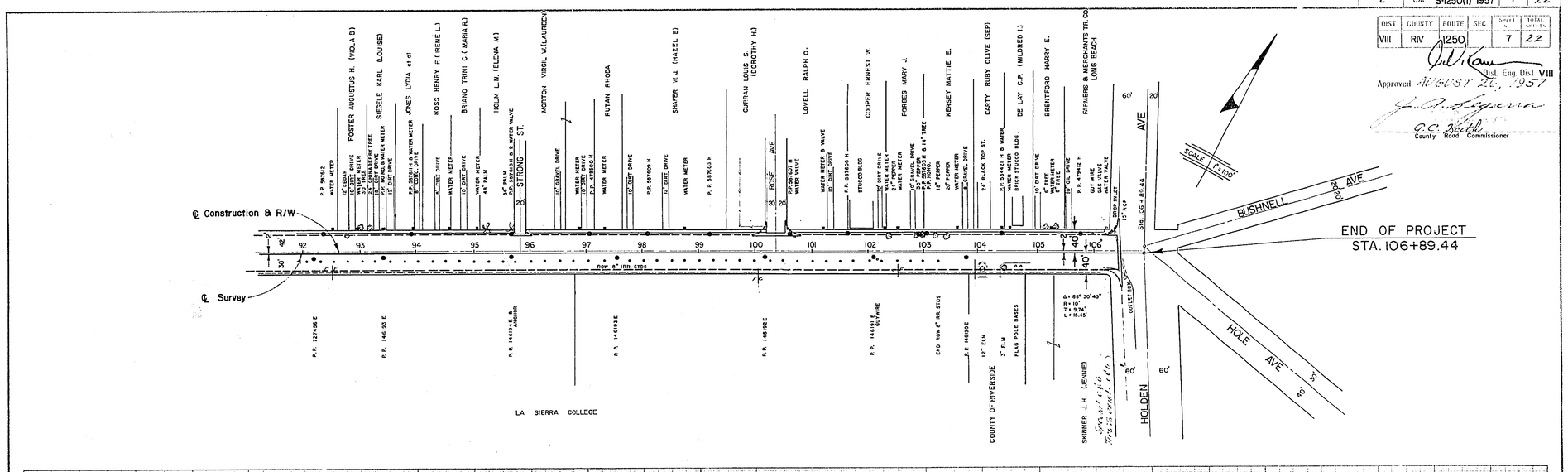
DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV	1250		7	22

Approved AUGUST 26, 1957

Dist. Eng. Dist VIII

J. A. Figueroa

C. C. Keith
County Road Commissioner



Remove concrete Sidewalk and Construct Driveway approaches as directed by the Engineer at the following locations. Use class "B" Concrete.

Sta. 92+87 Lt.
93+30 Lt.
93+50 Lt.
94+01 Lt.
94+37 Lt.
94+84 Lt.
96+49 Lt.
96+99 Lt.
97+79 Lt.
98+42 Lt.
101+34 Lt.
102+24 Lt.
102+82 Lt.
103+78 Lt.
104+06 Lt.
105+01 Lt.
105+56 Lt.

Sta. 97+70± Lt. Remove Sidewalk as directed by the Engineer.

Sta. 95+80 lt. Construct Cross gutter as directed by the Engineer.

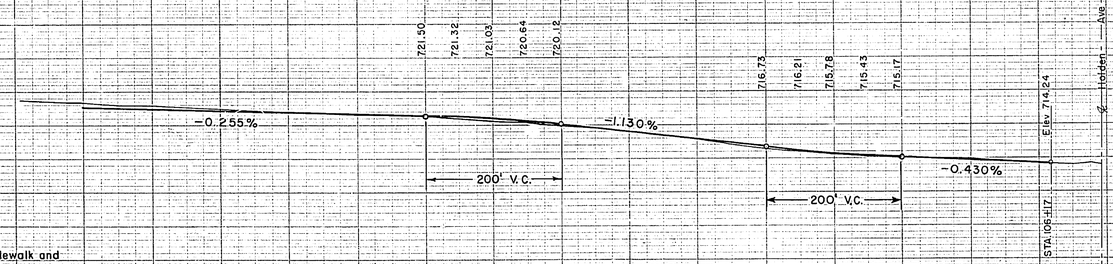
Sta. 100+15 Lt. Remove Sidewalk as directed by the Engineer.

Sta. 100+60 Lt. Remove Sidewalk as directed by the Engineer.

B.M. No. 9 "X" on south edge of conc walk entrance to 5 & 10¢ store Elevation 715.12

Sta. 100+40 lt. Construct cross gutter as directed by the Engineer.

Sta. 106+45 Consruct cross gutter as directed by the Engineer.



Remove concrete Sidewalk and Construct Driveway approaches as directed by the Engineer. at the following locations. Surface with P.M.S.

Sta. 103+92 Rt.
" 104+22 Rt.

Sta. 104+00 Rt. Remove Curbing as directed by the Engineer.

Sta. 104+62 Rt. Remove concrete Pole Base as directed by the Engineer.

Sta. 104+70 Rt. Remove concrete Pole Base as directed by the Engineer.

Sta. 106+40± Rt. and Lt. Remove concrete Drop Inlets and 15" R.C.P. Culvert

Sta. 106+75 Rt. and Lt. Remove Curb Returns as directed by the Engineer.

Sts.	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	SHEET TOTAL
Cu. Exc.	357	302	260	208	207	152	172	231	341	256	270	261	286	295	142	3740
Yds Emb.	½	3	7	11	12	21	13	8	1	0	0	½	0	0	0	87

R-1084

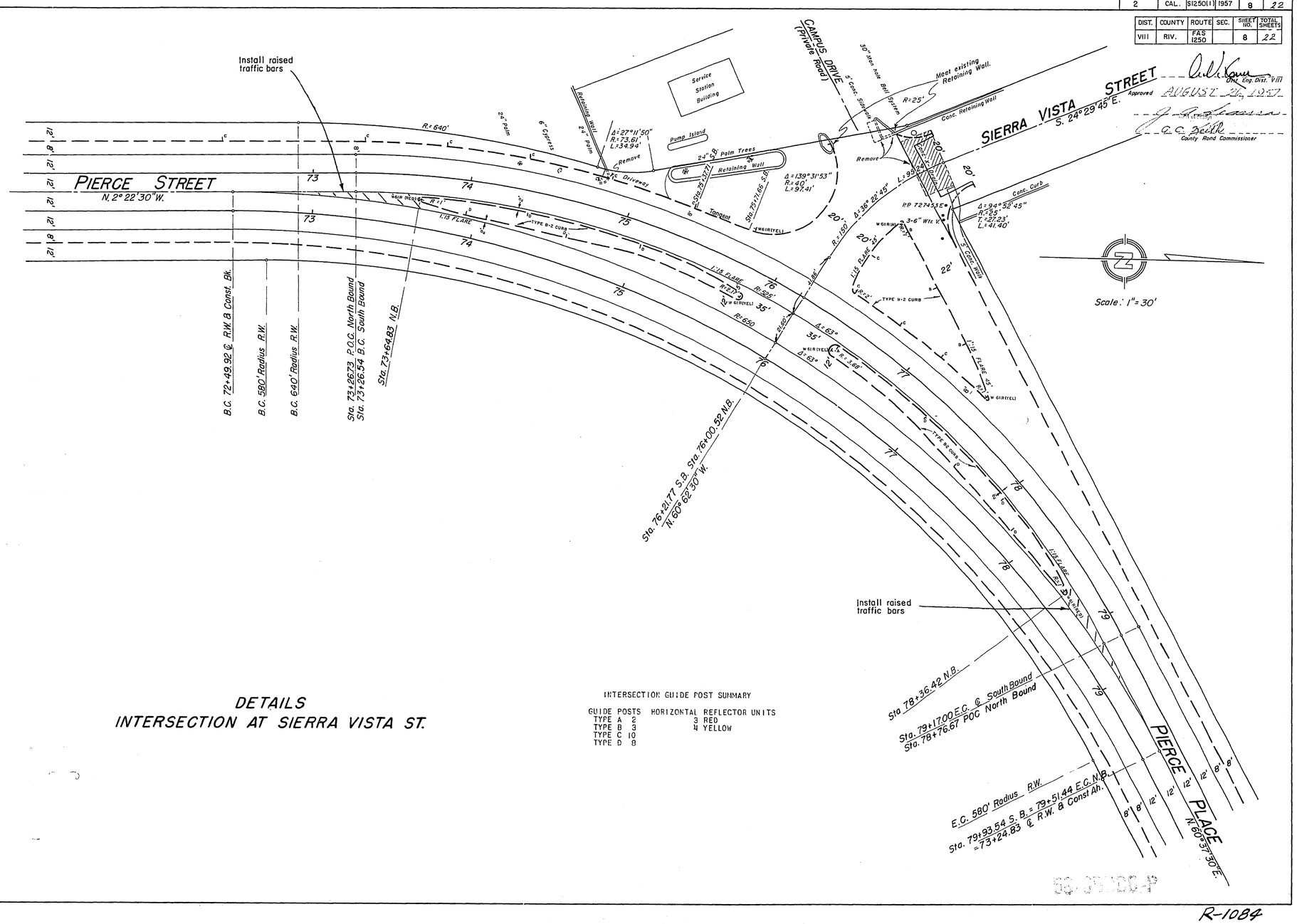
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S125011	1957	8	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV.	FAS 1250		8	22

Dist. Eng. Dist. VIII

Approved AUGUST 26, 1957

County Road Commissioner



DETAILS
INTERSECTION AT SIERRA VISTA ST.

INTERSECTION GUIDE POST SUMMARY

GUIDE POSTS		HORIZONTAL REFLECTOR UNITS
TYPE A	2	3 RED
TYPE B	3	4 YELLOW
TYPE C	10	
TYPE D	8	

8

R-1084

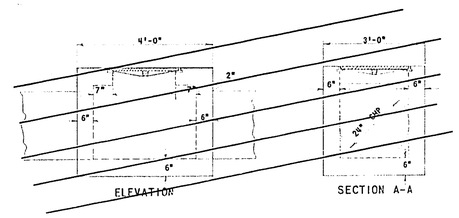
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250	1957	9	22

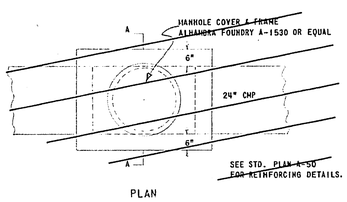
DIST	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV	FAS 1250		9	22

DIST. ENG. DIST.

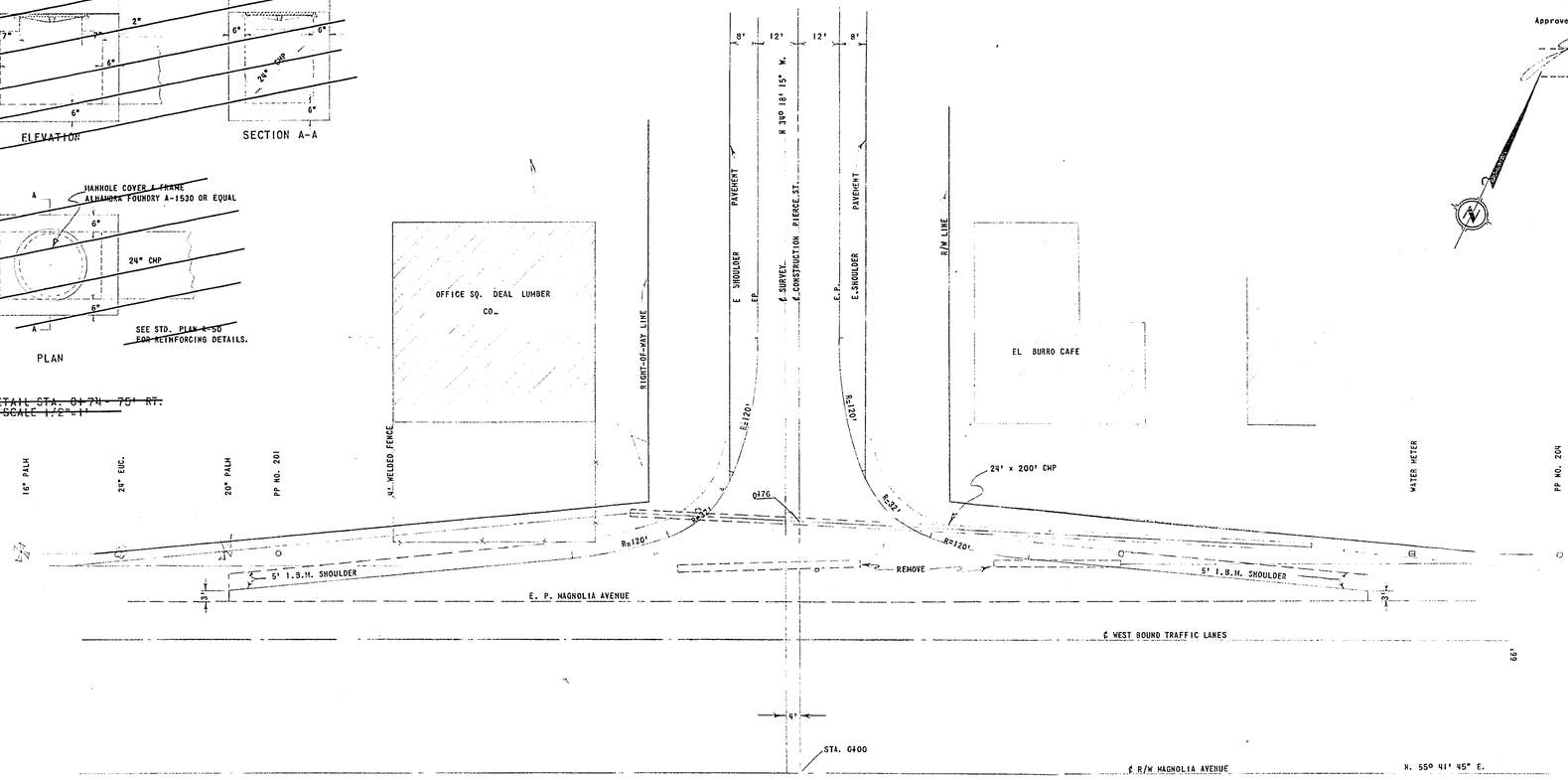
Approved AUGUST 26, 1957

COUNTY SURVEYOR

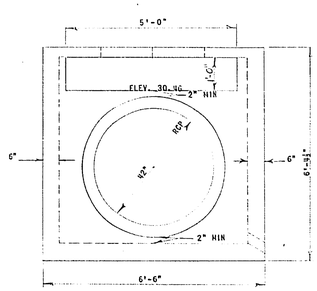




~~CLEANOUT DETAIL STA. 04+74 - 75' RT.~~
~~SCALE 1/2"=1'~~

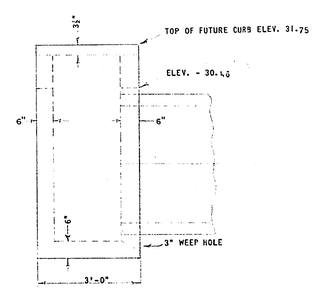


MAGNOLIA AVENUE - PIERCE STREET INTERSECTION
SCALE 1" = 20'

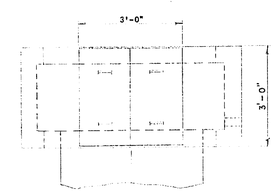


ELEVATION - SCALE 1"=2'

NOTE:
PLACE ANGLE IRON SUPPORT OVER EACH OPENING AND INSTALL LADDER RUNGS



SECTION A-A SCALE 1"=2'



PLAN SCALE 1"=2'

NOTE
SEE STD. PLAN A-50'
FOR COVER DETAIL
& REINFORCING DETAILS

STANDARD DETAIL DROP INLET STA. 59+87

50-00006-P

R-1084

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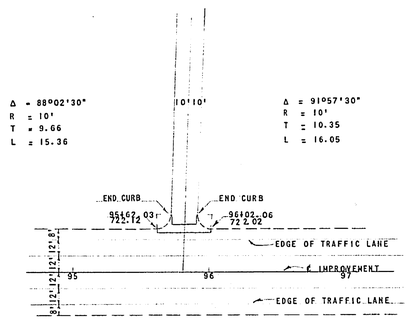
FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250(1)	1957	10	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV.	1250		10	22

DIST. ENG. DIST.

Approved AUGUST 26, 1957

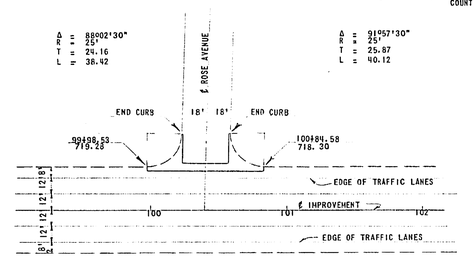
COUNTY SURVEYOR



STRONG STREET INTERSECTION

STA. 95+80.61

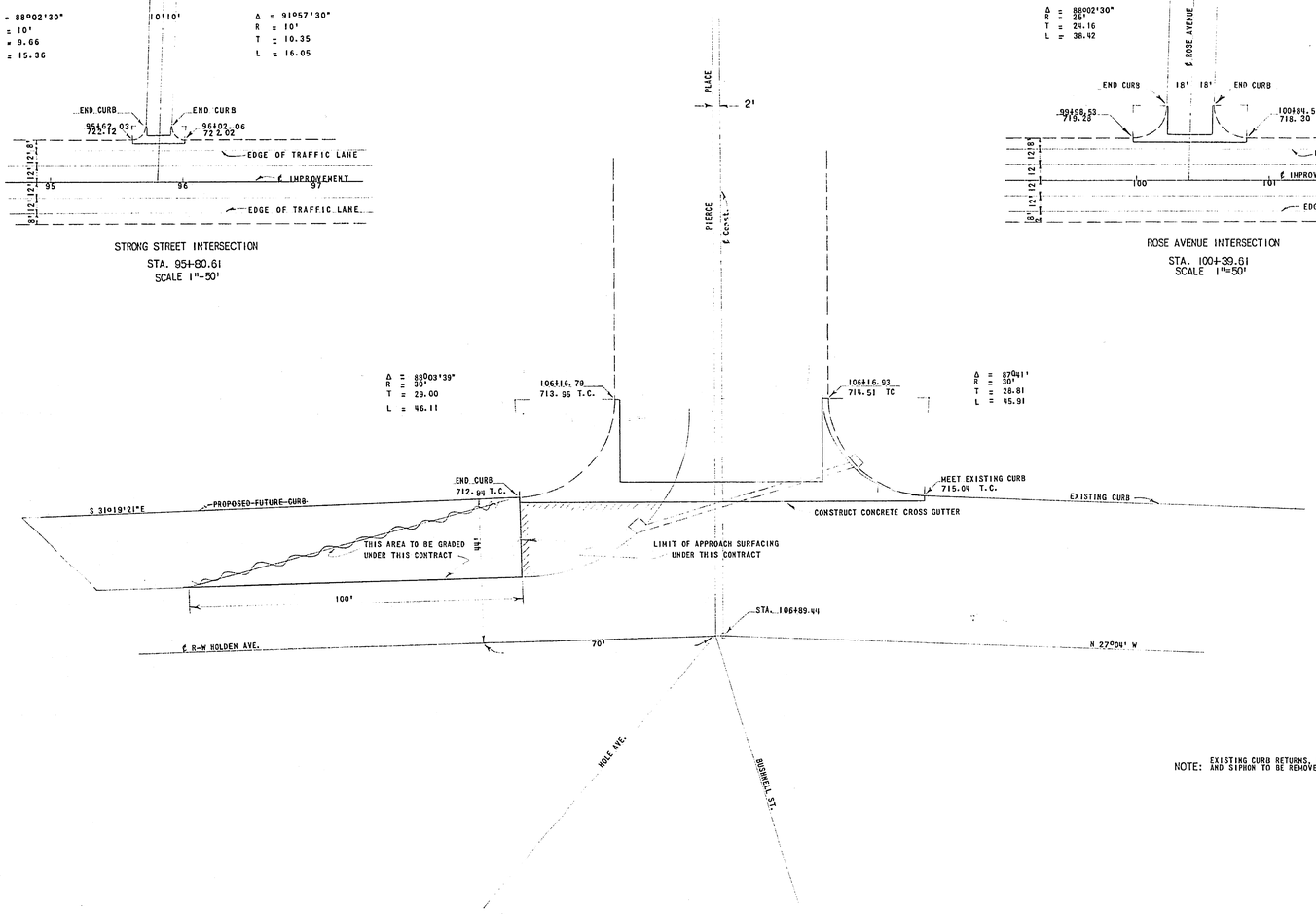
SCALE 1"=50'



ROSE AVENUE INTERSECTION

STA. 100+39.61

SCALE 1"=50'



NOTE: EXISTING CURB RETURNS, DROP INLETS, AND SIPHON TO BE REMOVED.

HOLDEN AVENUE INTERSECTION - STA. 106+89.44

SCALE 1"=20'

58-80066-P

10

R-1084

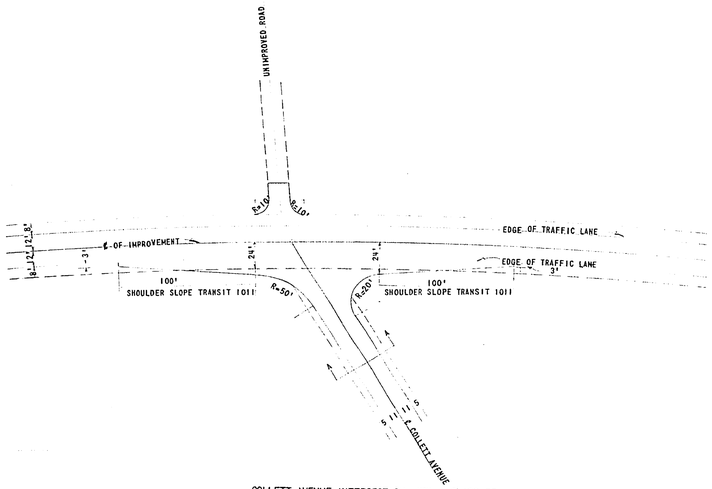
FED ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250 I	1957	11	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	SHEETS
VIII	RIV.	1258		11	22

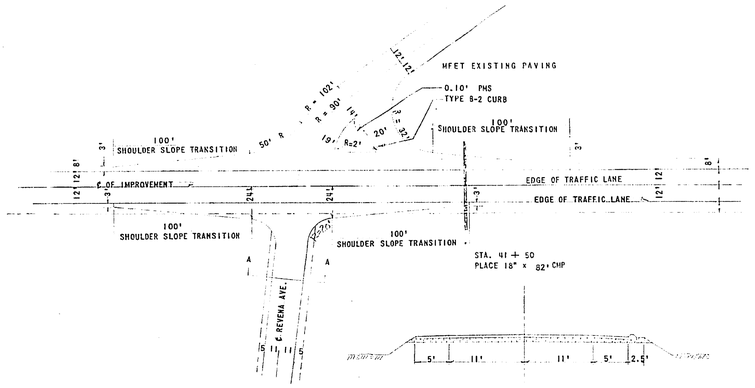
DIST. ENG. - DIST.

Approved AUGUST 26, 1957

COUNTY SURVEYOR

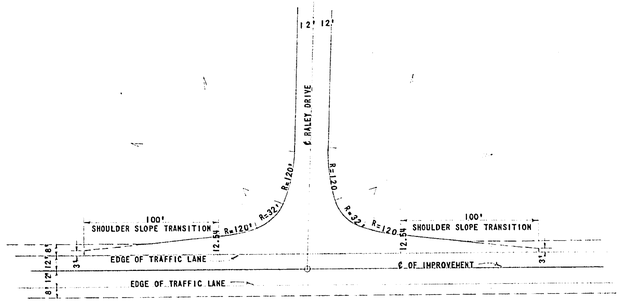


COLLETT AVENUE INTERSECTION STA. 34489.93
SCALE 1" = 50'

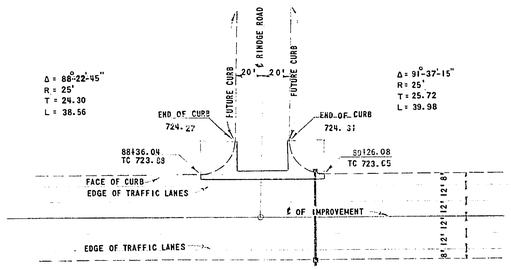


REVENA AVE. INTERSECTION STA.40428.30
SCALE 1" = 50'

SECTION A-A



RALEY DRIVE INTERSECTION
STA. 54420.IC
SCALE 1" = 50'



RINDGE ROAD INTERSECTION
STA. 88479.44
SCALE 1" = 50'

58-08D08-P

11

R-1084

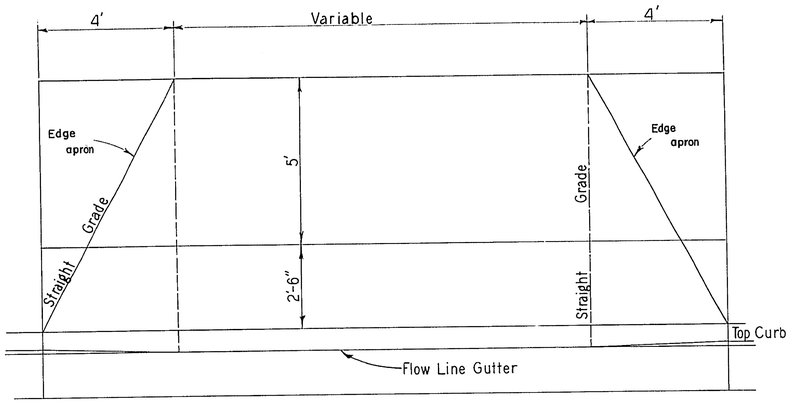
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250 I	1957	12	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV.	1250		12	22

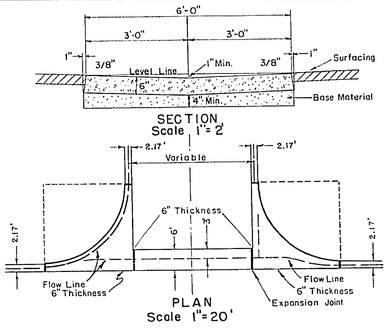
Dist. Eng. Dist

Approved AUGUST 26, 1957

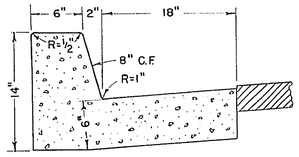
G. C. Zeith
County Surveyor



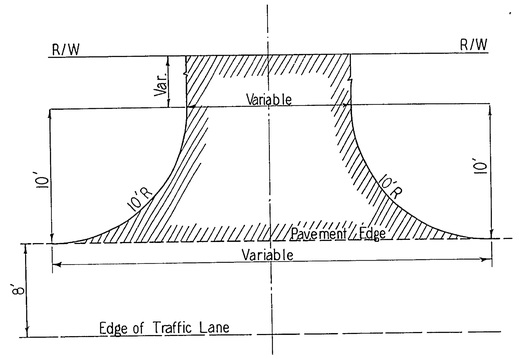
PLAN
SCALE 1"=2'



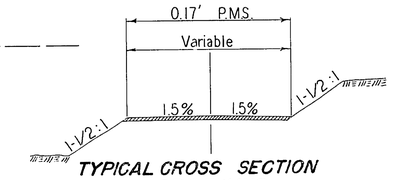
CROSS GUTTER DETAIL



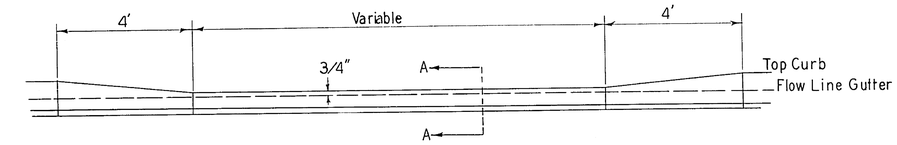
SPECIAL CURB & GUTTER
SCALE 1 1/2"=1'



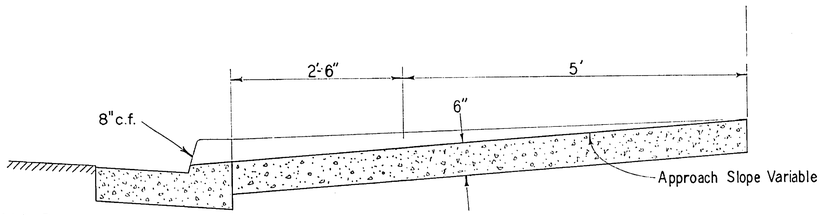
TYPICAL PLAN DRIVEWAYS
SCALE 1"=5'



TYPICAL CROSS SECTION DRIVEWAYS
SCALE 1"=5'

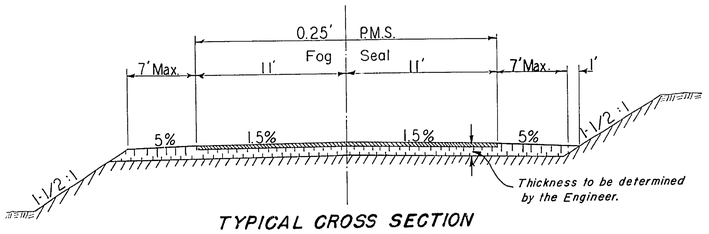


FRONT ELEVATION
SCALE 1"=2'



SECTION A-A
SCALE 1"=1'

DEPRESSED CURB FOR DRIVEWAYS



TYPICAL CROSS SECTION ROAD CONNECTIONS
SCALE 1"=5'

MISCELLANEOUS DETAILS
SCALE AS SHOWN

12

R-1084

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250(1)	1957	13	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV.	F.A.S.1250		13	22

Dist. Eng. Dist VIII

Approved AUGUST 26 1957

G. C. Smith
County Surveyor

STATION	IN PLACE	WORK TO BE DONE	SKEW	GA.	C.M.P. 12"	C.M.P. 18"	C.M.P. 24"	R.C.P. 42"	C.M.P.A. 29"x18"	EXC.	BACKFILL	CULV MRKRS.	DITCH CHANNEL EXC.	P.C.C. Cu. Yds.	BAR REINF. LBS.
0+62	24"x38' Conc.	Remove													
0+62	24"x49'C.M.P.	Remove													
0+76		Place 24"x200' C.M.P. Cross drain		14			200			65	52	2			
13+65	16"x27' Conc.	Remove & Replace with 18"x26' Side drain rt.		16		26				16	14				
13+90	60"x42'C.M.P.	Remove & Replace with Double 10'x8'-A-IV x 72' Box Culvert, Construct type "B" endwalls as per detail								918	271	2	86	179	19,500
14+15	30"x28'Conc.	Remove & Replace with 24"x28'C.M.P. Side drain rt.		14			28			15	12				
25+00	24"x15'Conc.	Remove													
25+19	30"x40'C.M.P.	Remove													
27+76	10"x70'C.M.P.	Remove													
31+00	10"x120'Conc.	Remove													
34+04	16"x18'Conc.	Remove													
35+10		Place 18"x22' x 16' C.M.P. x drain		14								2			
35+99		Place 12"x38' C.M.P. Side drain lt.		16	38					8	7				
36+54		Place 12"x26' C.M.P. Side drain lt.		16	26					6	5				
37+46		Place 12"x26'C.M.P. Side drain lt.		16	26					6	5				
38+08		Place 12"x26'C.M.P. Side drain lt.		16	26					6	5				
38+87		Place 12"x26'C.M.P. Side drain lt		16	26					6	5				
41+50		Place 18"x82'C.M.P. Cross drain		16		82				20	15	2			
59+87		Place 42"x 72' Std. Strength R.C.P. Construct drop inlet						72		45	31	2		2	287
60+00		Place 12"x 18' C.M.P. downdrain with entrance taper rt.		16	18										
80+76	10'x20'Steel	Remove													
82+05	10'x20'Steel	Remove													
84+45	8"x8'Conc.	Remove													
88+08	8"x40'C.M.P.	Remove													
89+03	24"x80'C.M.P.	Remove													
89+20		Construct dropinlets lt. & rt. Place 29"x18"x72' CMAP & construct ditch rt. as directed by the Engineer.		14				72		30	22		24	2	216
106+30	15"x68' R.C.P. Inlet & outlet boxes.	Remove.													
		TOTALS			160	108	228	72	70	1141	444	8	110	183	20,003

E.S. at State Dist. office can not fill in

GUIDE POST & CULVERT SUMMARY

Guide Post Type A	8
" " "	11
" " "	40
" " "	31
	90
Culvert Markers	~~16~~ 8
Horiz. Reflectors	13
Total:	~~119~~ 113

PIERCE STREET & PIERCE PLACE 1250(1)

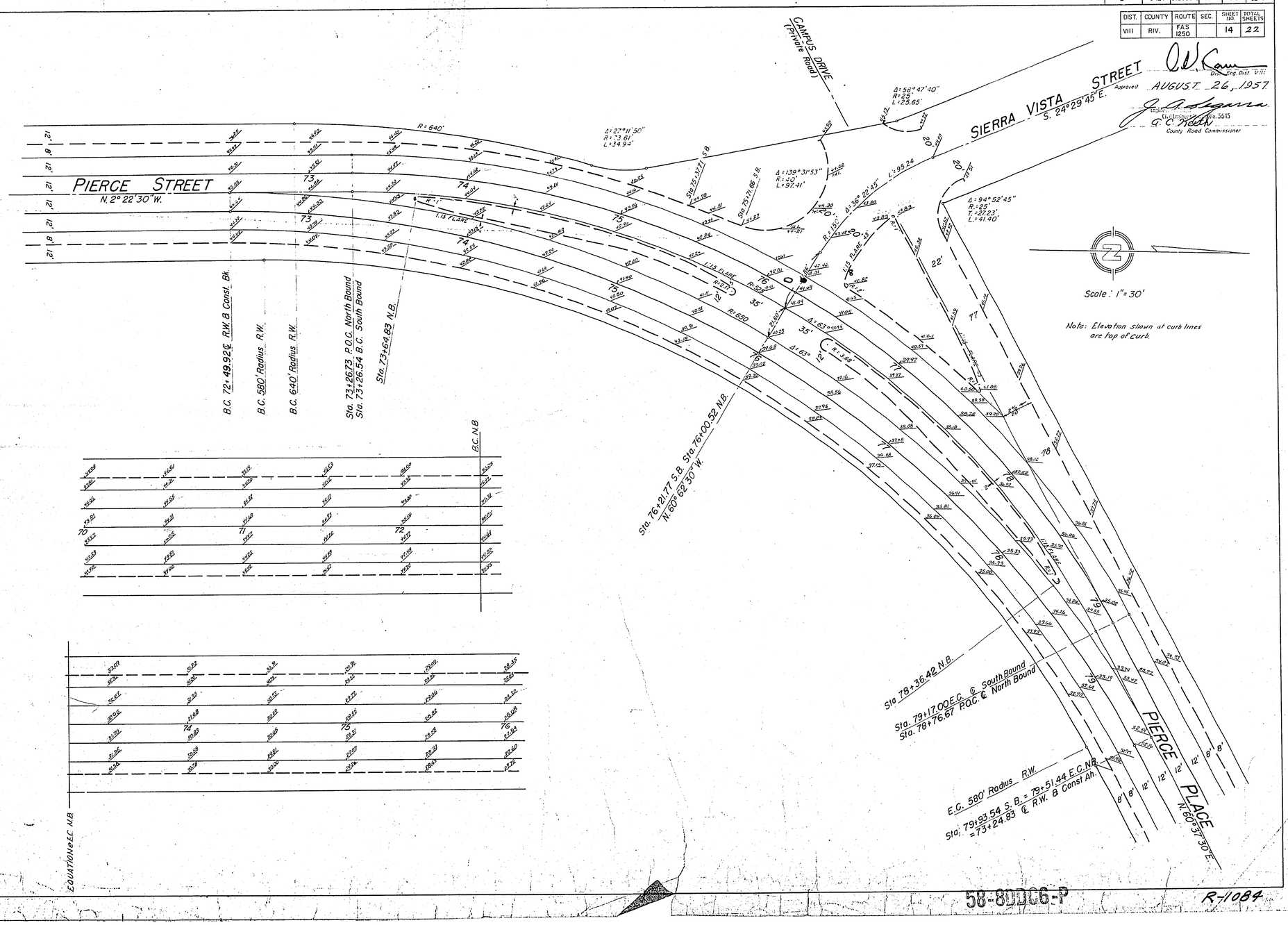
CULVERT SHEET

R-1084

13

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S1250(1)	1957	14	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV.	FAS 1250		14	22



Approved AUGUST 26, 1957

Dist. Eng. Dist. VIII

Engineer Civil Engineer No. 5645

County Road Commissioner

58-8DDC6-P

R-1084

14

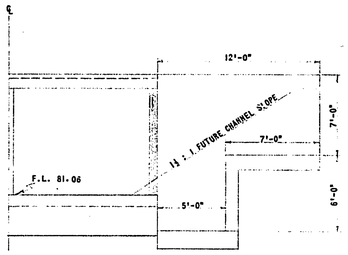
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1750	1957	15	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV.	FAS 1730		15	22

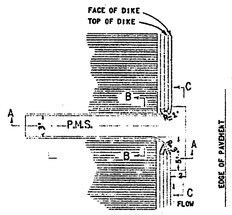
DIST. ENG.

APPROVED AUGUST 26, 1957

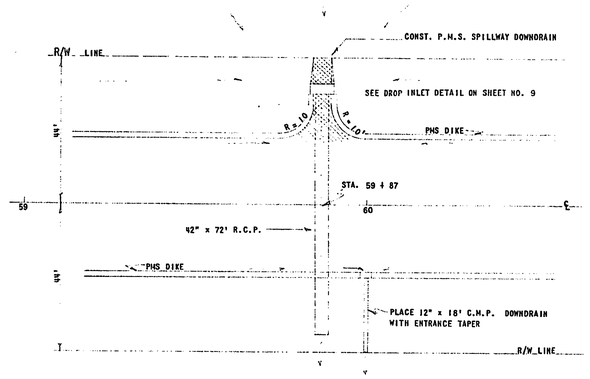
COUNTY SURVEYOR



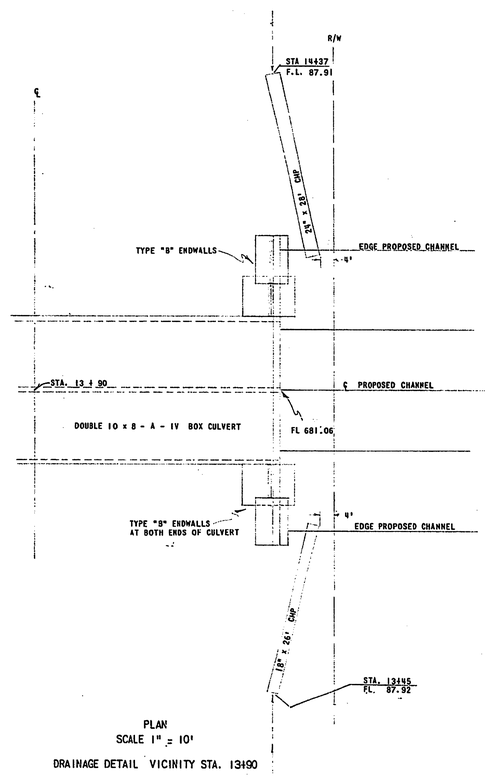
END ELEVATION
SCALE 1" = 5'



PLAN



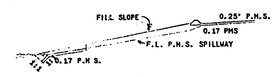
PLAN
SCALE 1" = 20'



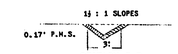
NOTE: SEE STANDARD SHEETS A-57, A-59, A-60 FOR STRUCTURE DETAILS.

PLAN
SCALE 1" = 10'

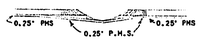
DRAINAGE DETAIL VICINITY STA. 13+90



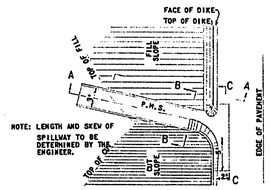
SECTION A-A



SECTION B-B

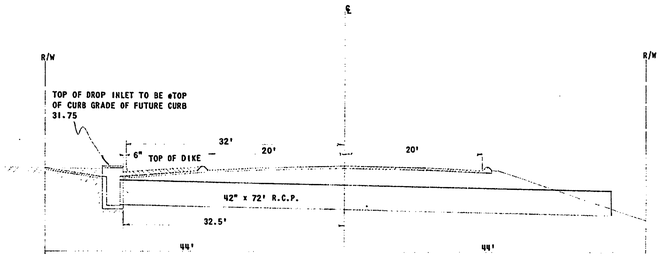


SECTION C-C



NOTE: LENGTH AND SKEW OF SPILLWAY TO BE DETERMINED BY THE ENGINEER.

PLAN
P.M.S. SPILLWAY
AT GRADE POINTS



CROSS SECTION
SCALE 1" = 10'

DRAINAGE DETAILS STA. 59 + 87

58-SBDC6-P

15

R-1084