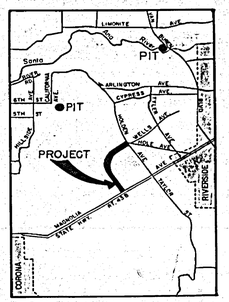
DIST.	COUNTY	ROUTE	SEC	SHEET NO.	TOTAL SHEETS	FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
VIII	RIV.	1250		1	22	2	CAL	S-1250(1)	1957	1	22



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

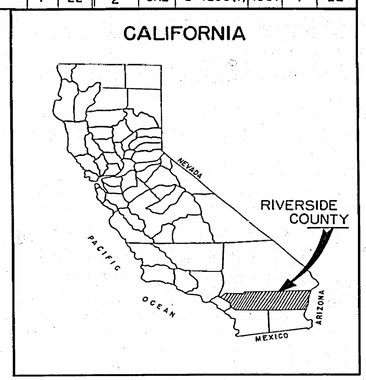
STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

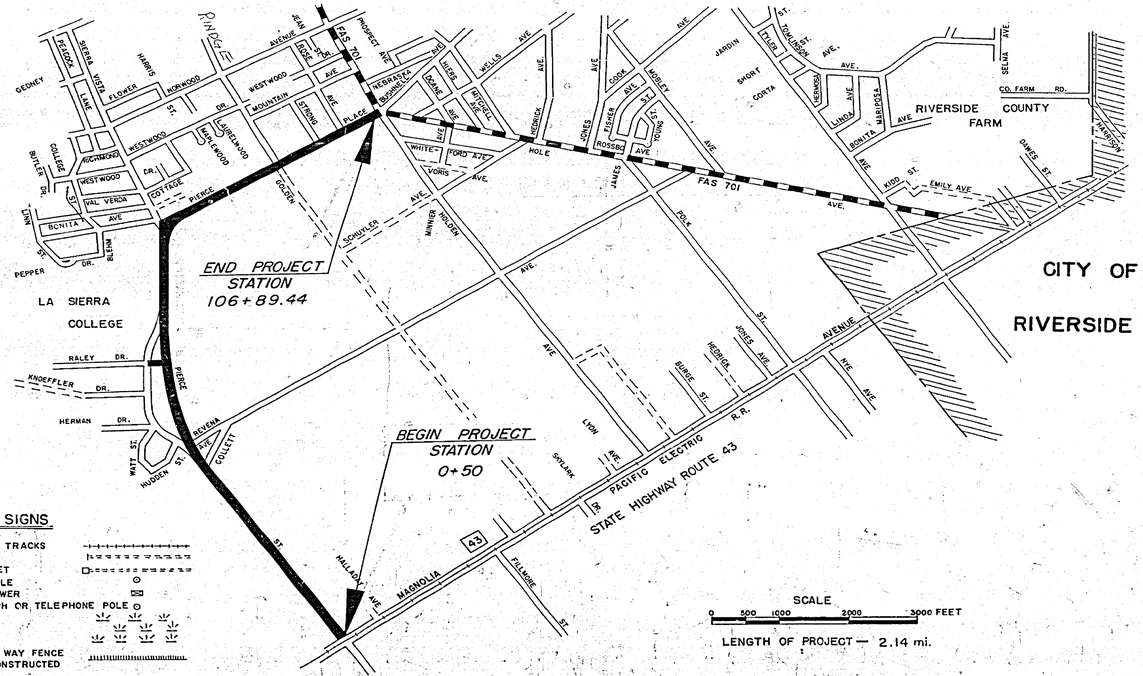
COUNTY OF RIVERSIDE
PLAN AND PROFILE

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





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	

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

58-90006-P

R-1084 R-1084

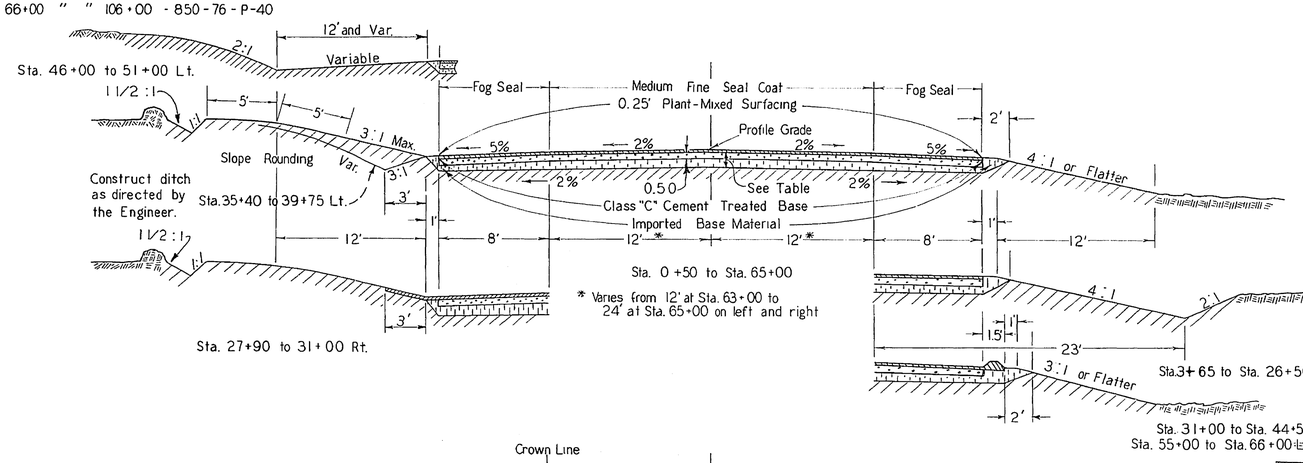
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250(1)	1957	2	22

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

Dist. Eng. Bd.

G. C. Keith
County Surveyor
APPROVED AUGUST 26, 1957
G. F. Metz
Public Works Engineer
Riverside County, California
by Edwin R. Evarts
Deputy Public Works Engineer

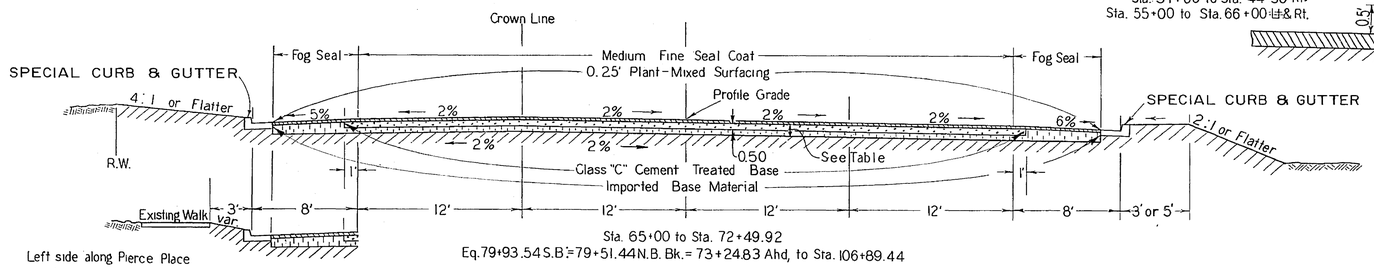
DESIGN CLASSIFICATION
STA. 0+50 TO STA. 66+00 - 260-76-P-40
" 66+00 " " 106+00 - 850-76-P-40



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

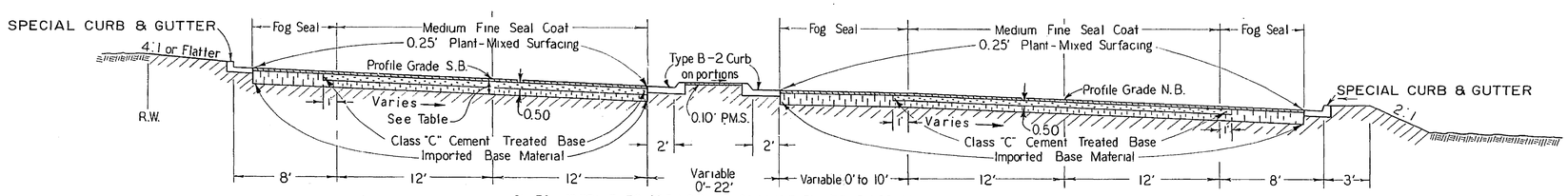
CHNG - 75+00 IMPERIAL MIX

Shoulder Dike
Scale: 1" = 1'



Sta. 65+00 to Sta. 72+49.92
Eq. 79+93.54 S.B. = 79+51.44 N.B. Bk. = 73+24.83 Ahd, to Sta. 106+89.44

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



Sta. 72+49.92 to Eq. 79+93.54 S.B. = 79+51.44 N.B. Bk. = 73+24.83 Ahd

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

Superelevation as directed by the Engineer

SCALE: 1" = 5'

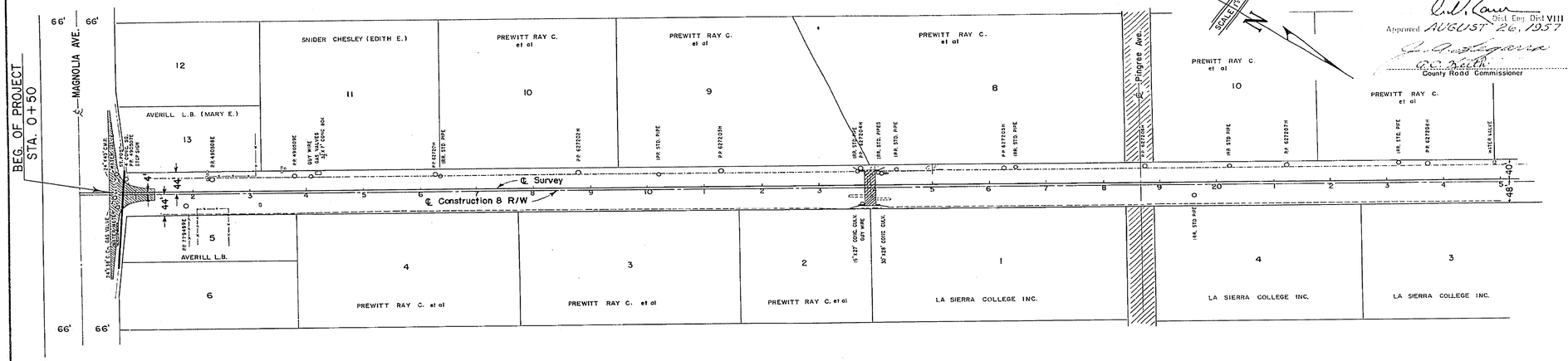
Recommended
Asst. State Highway Engineer

Registered Civil Engineer License No. 5645

R-1084

Sheet	Sheets	Cal.	Dist.	County	Route	Sec.	Sheet	Sheets
2		S-1250(11) 1957	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. 627.205 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.

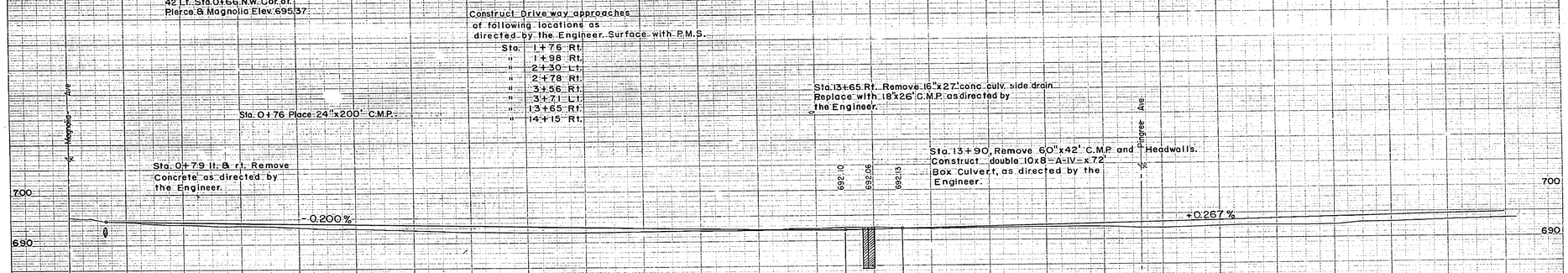
Sta. 0+76 Place 24"x200' C.M.P.

Sta. 0+79 11.8 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.

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
Cu. Exc.	318	178	175	131	134	121	112	100	103	136	190	121	270	280	335	260	218	203	130	117	101	77	78	71	55	SHEET TOTAL 4207
Yds. Emb.	3	12	35	41	68	74	68	71	73	69	53	59	35	10	25	13	38	51	69	72	85	93	97	94	133	1166

FILED
AUG 26 1957
CLERK BOARD OF SUPERVISORS

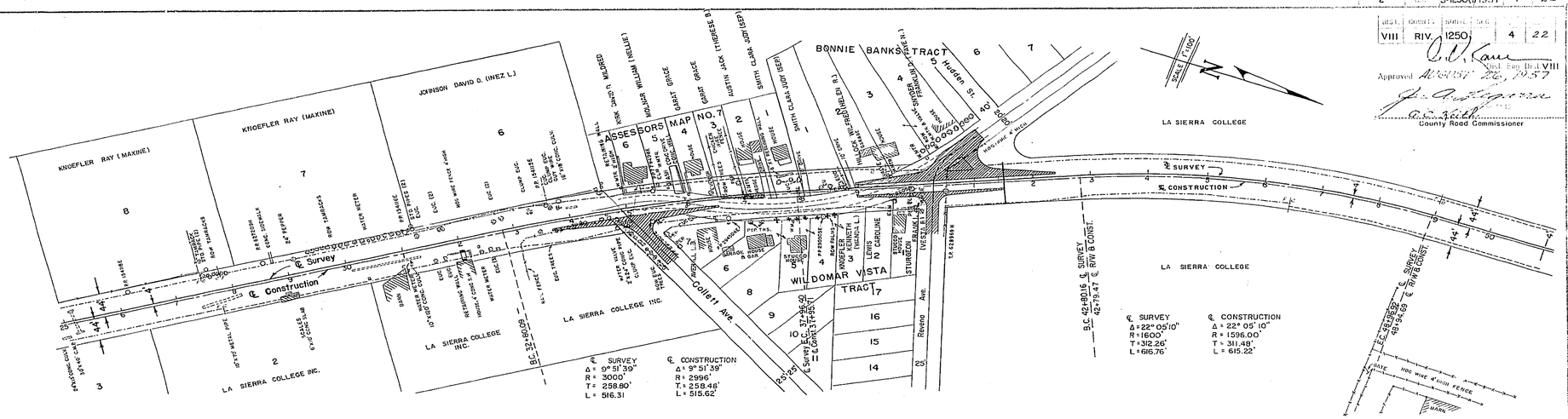
R-1084

2		S-1250(1) 1957		4	22

DIST.	COUNTY	ROUTE	SEC.		
VIII	RIV.	1250		4	22

Dist. Eng. Dist. VIII
Approved AUGUST 26, 1957

County Road Commissioner



58-8DDC6-P R-1084

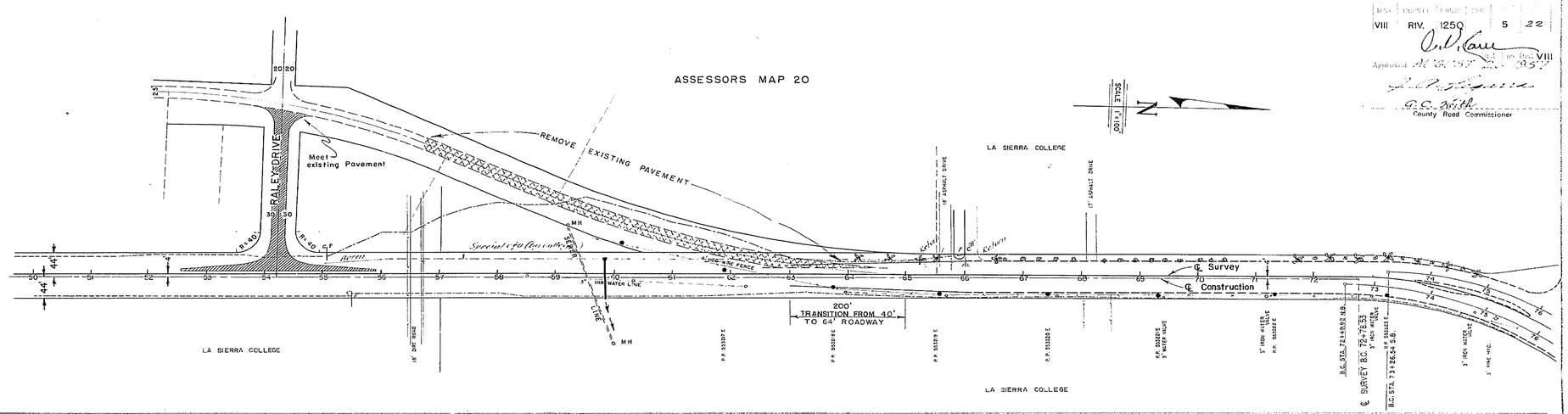
S-1250(1) 1957 5 22

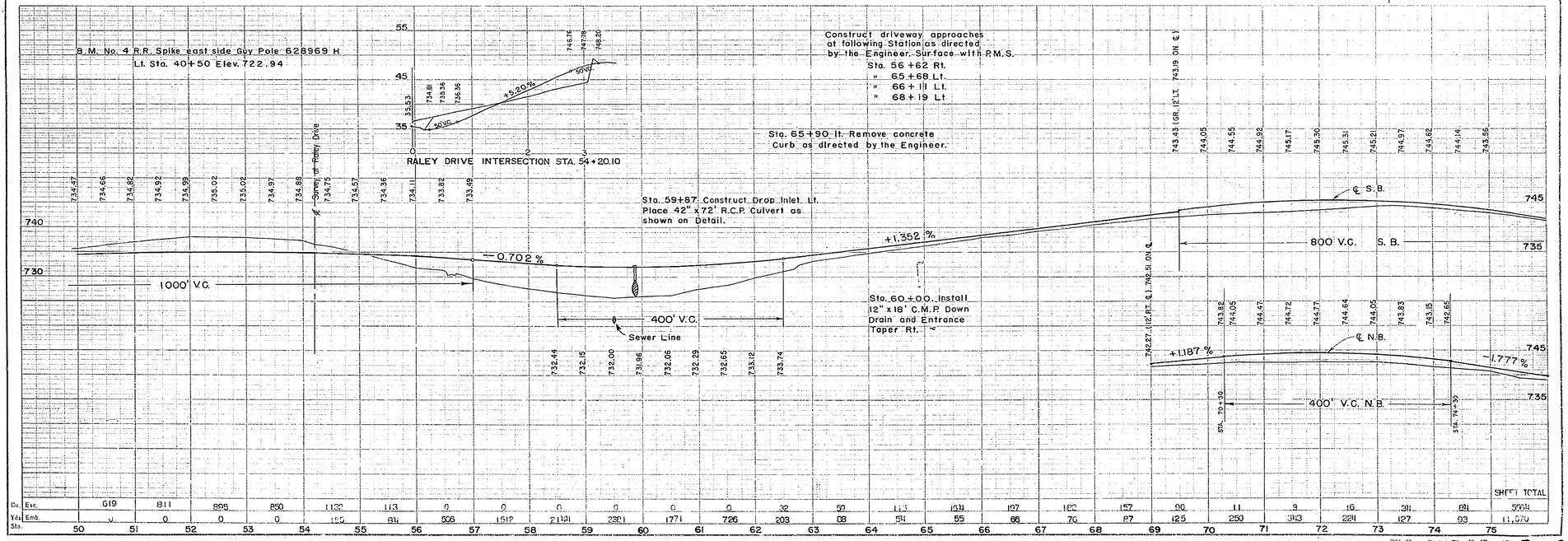
VIII RIV. 1250 5 22

Approved Dec. 19, 1957 VIII

G. E. Smith
County Road Commissioner

ASSESSORS MAP 20





Cu. Yds. Sta.	Exc.	619	811	895	850	1130	113	0	0	0	0	0	0	32	50	113	134	107	122	157	90	11	3	16	311	191	SHEET TOTAL 5554
	Emb.	0	0	0	0	155	84	506	1512	2131	2381	1771	726	203	88	54	55	66	70	87	125	250	313	2281	127	93	11,070
	Sta.	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75

R-1084

DIST.	SEC.	ROUTE	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

O. W. Kaun
Dist. Eng. Dist. VIII

Approved 4-26-57 1957

J. Rodgers

G. C. Smith
County Road Commissioner

SCALE 1"=100'

SIERRA VISTA

S.E. CALIF. ASSN. OF 7th DAY ADV'TS

PACIFIC UNION OF 7th DAY ADV'TS

LA SIERRA COLLEGE

RINGE ROAD

APPLEGATE GREEN O. (OLIVE M.)

STRONG S.M. (CLARA)

S.E. CALIFORNIA CONF. OF 7th DAY ADV'TS

NOTE
See Intersection Detail Sheet 8

LA SIERRA COLLEGE
CAMPUS DRIVE
(Private Road)

Δ = 27°11' 50"
R = 75.61'
L = 34.94'

R/W Δ = 63°
R = 580'
T = 355.43'
L = 637.74'

N.B. LANE
Δ = 63°00'
R = 638
T = 390.97
L = 701.52

S.B. LANE
Δ = 63°00'
R = 537
T = 329.07
L = 590.46

E.C. STA. 73+17.90 S.B.

EQUATION STA. 73+93.54 BK. = 73+48.43 AHEAD

B.C. STA. 73+26.54 S.B.

STA. 72+49.52 N.B. B.C.

℄ Construction & R.W.

℄ Survey

ROW OF 8" CONC. IRR. STDS.

SEWER LINE

REMOVE EXISTING C.M.P.

Remove concrete Sidewalk and Retaining wall at Campus Drive as directed by the Engineer.

Remove concrete Cross Gutter and Sidewalk at Sierra Vista Street as directed by the Engineer.

Construct cross gutter at Sierra Vista St. as directed by the Engineer.

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

Eq:
78+30 one way lane lt.
78+92 one way lane lt.
79+40 one way lane lt.
74+20 Lt.
78+78 Lt.
80+76 Lt.
82+05 Lt.
90+52 Lt.
91+50 Lt.
91+99 Lt.

Construct driveways at the following locations as directed by the Engineer. Surface with P.M.S.
Sta. 75+00 S.B. lt.
Sta. 76+00 S.B. lt.

B.M. No. 8 Chiseled "X" Sly corner conc. sidewalk
N.W. corner Ringe Road & Pierce
Elev. 724.74

Sta. 88+50 ± Lt. Remove Sidewalk as directed by the Engineer.

Sta. 89+05 ± Remove Sidewalk as directed by the Engineer.

Sta. 88+79 lt. Construct cross gutter as directed by the Engineer

Sta. 89+20, Construct drop inlets lt. and rt. Place 18"x 29" x 72' C.M.A.P. and construct ditch rt. as directed by the Engineer.

Sta. 89+00 = Sta. 90+60
Replaced 600' Lt. Sidewalk on Lt. Side

750
740
730
720

800' V.C. S.B.
200' V.C.
200' V.C.
400' V.C.
200' V.C.

-2.515%
-1.477%
-0.255%
-1.777%
-2.150%

℄ S.B.
℄ N.B.
℄ Sewer

EQUATION
STA. 79+18.87 BACK
STA. 79+15.44 BACK
STA. 73+24.83 AHEAD

Sta. 86+ 79.38

Sta.	73	74	75	76	77	78	79	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	SHEET TOTAL
Cu. Exc.		331		1141	356	1421	108		377	362	365	372	267	1911	176	222	261	334	379	372	374	417	516	633	550	412	6823	
Yds Emb.		65		121	14	12	15		11	17	23	29	41	66	92	50	29	23	16	19	13	17	8	1	1	0	753	

R-1084

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

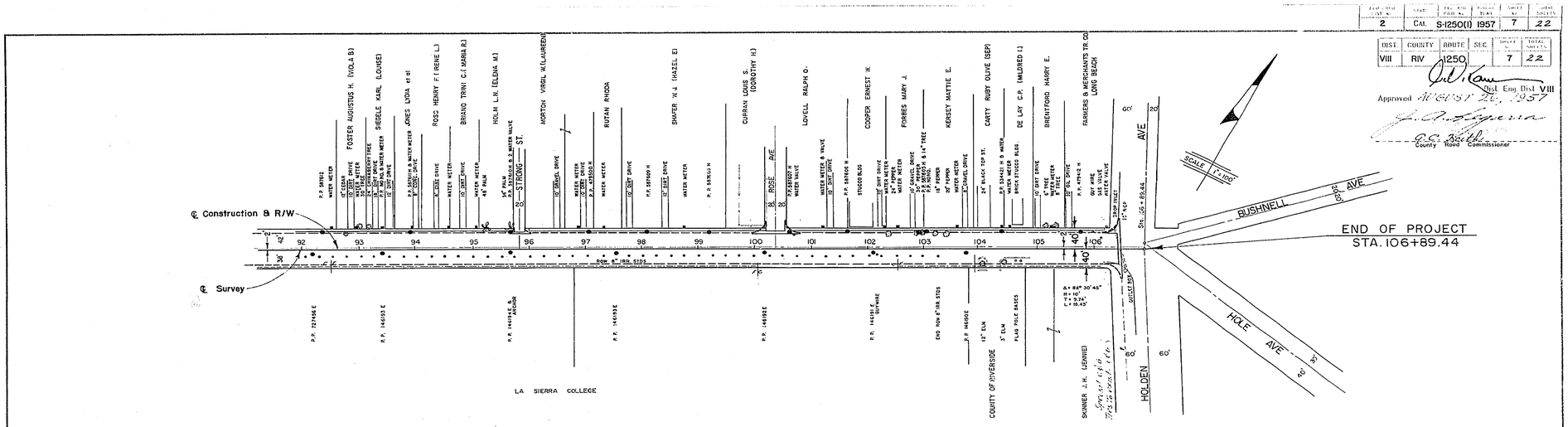
Dist. Eng. Dist. VIII

Approved AUGUST 26, 1957

J. A. Figueroa

C. S. Smith
County Road Commissioner

PLAN SHEET No.	STATE	FED. PROJ. No.	BRIDGE No.	SHEET No.	TOTAL SHEETS
2	CAL.	S-1250(1) 1957		7	22



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.

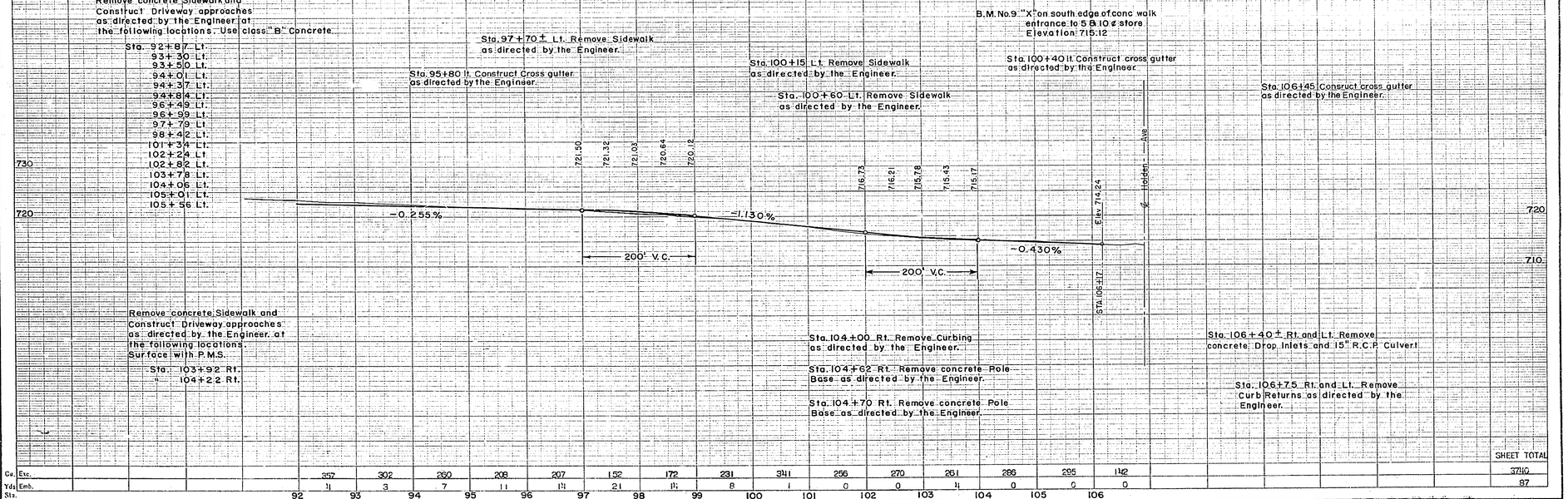
Sta. 100+15 Lt. Remove Sidewalk as directed by the Engineer.

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

B.M. No. 9 "X" on south edge of conc walk entrance to S & L 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.

	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	SHEET TOTAL
Cu. Exc.	257	302	260	208	207	152	172	231	341	256	270	261	286	295	142	3711
Yds Emb.	1½	3	7	11	12½	21	11½	8	1	0	0	1½	0	0	0	87

R-1084

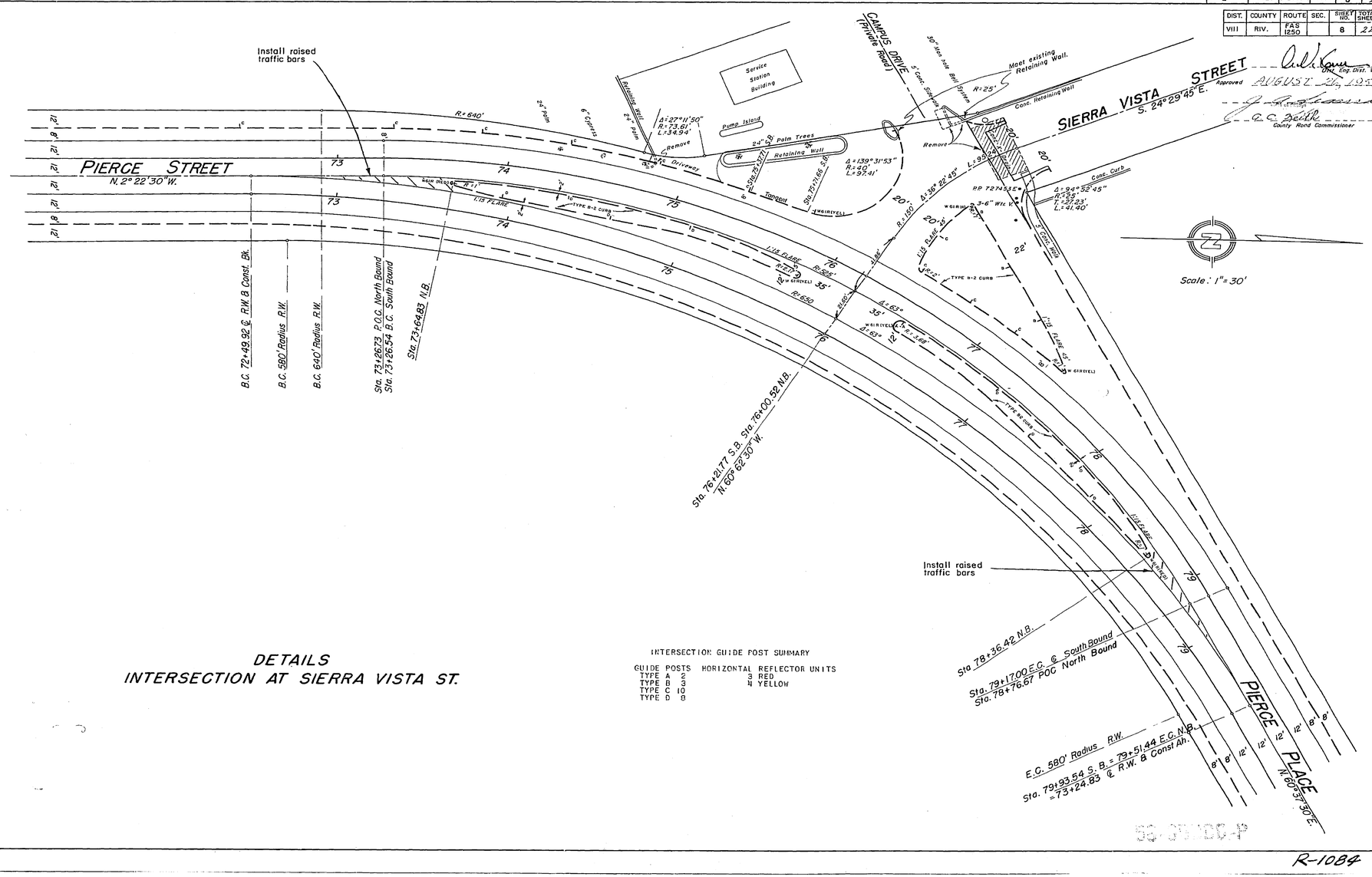
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S125011	1957	8	22

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	

R-1084

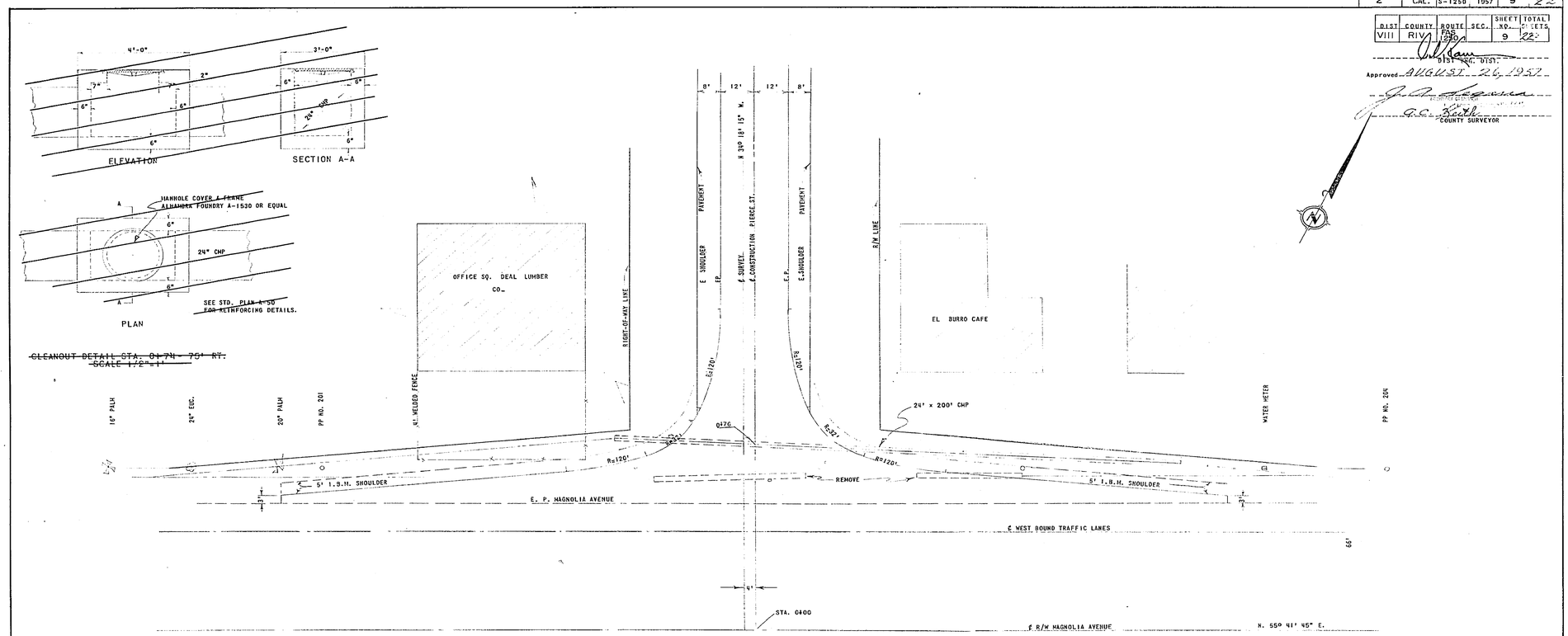
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250	1957	9	22

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

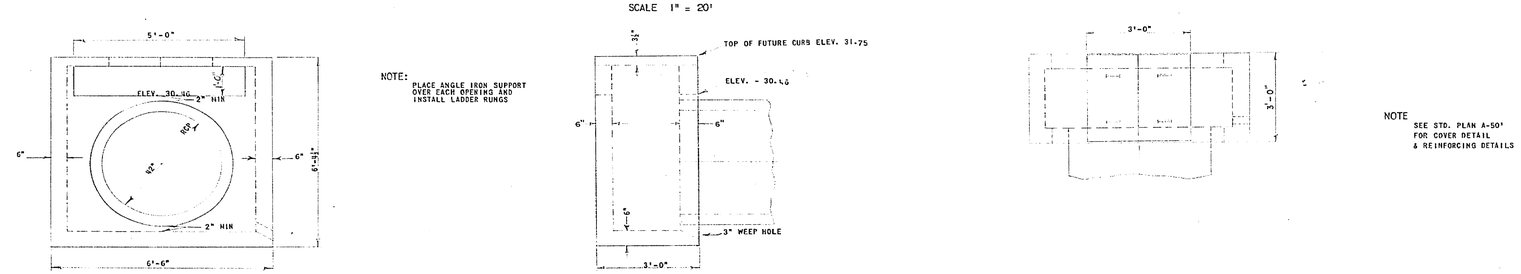
DIST. ENG. DIST.

Approved AUGUST 26, 1957

COUNTY SURVEYOR



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



ELEVATION - SCALE 1"=2'

SECTION A-A SCALE 1"=2'

PLAN SCALE 1"=2'

STANDARD DETAIL DROP INLET STA. 59+87

58-0DDC6-P

R-1084

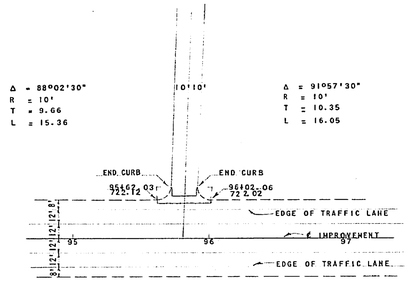
FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-12500	1957	10	22

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

Approved AUGUST 26, 1957

DIST. ENG. DIST.

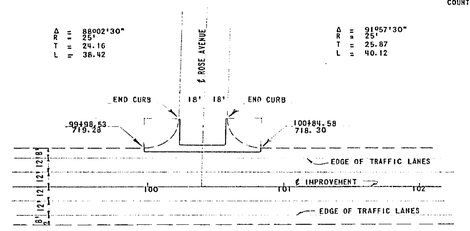
COUNTY SURVEYOR



STRONG STREET INTERSECTION

STA. 954+80.61

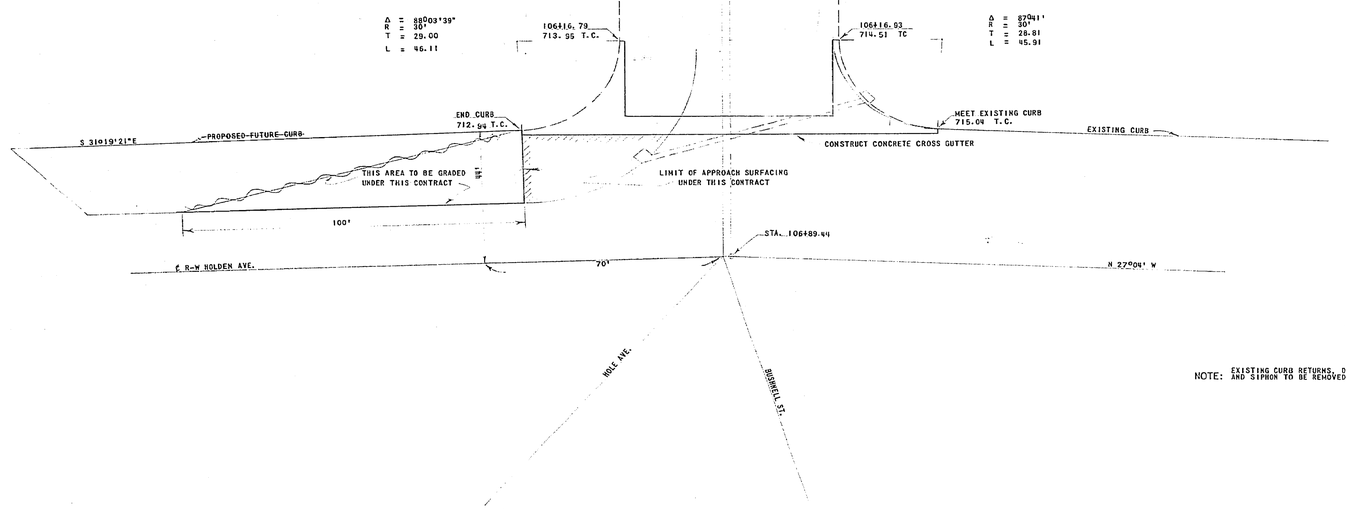
SCALE 1"=50'



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'

59-SBD66-P

10

R-1084

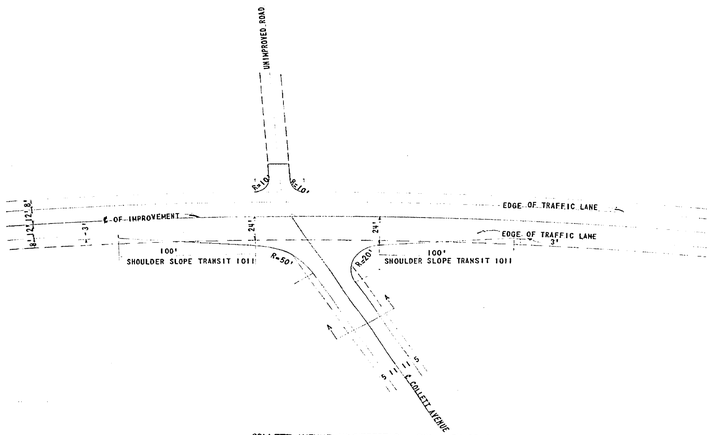
FED ROAD DIST. NO.	STATE	FED AID PROJ. No.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250 I	1957	11	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	SHEETS
VIII	RIV.	1250		11	22

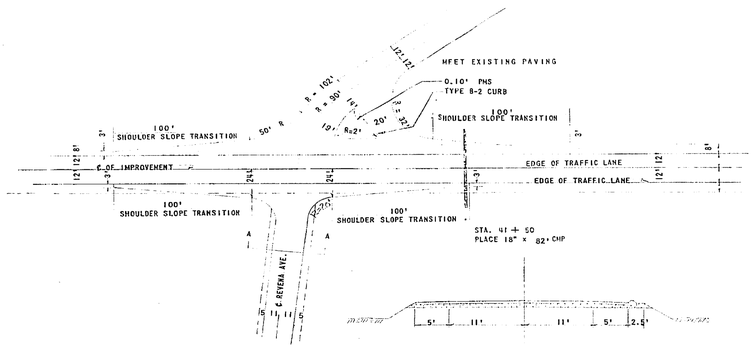
DIST. ENG. DIST.

Approved AUGUST 26, 1957

COUNTY SURVEYOR

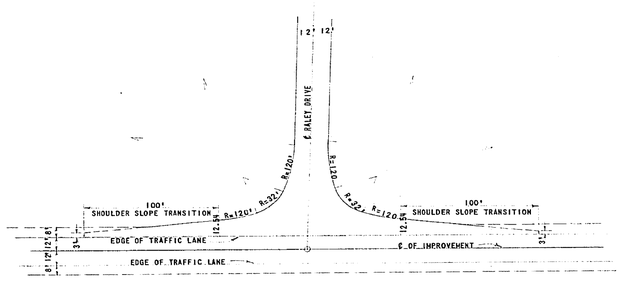


COLLETT AVENUE INTERSECTION STA. 34+89.93
SCALE 1" = 50'

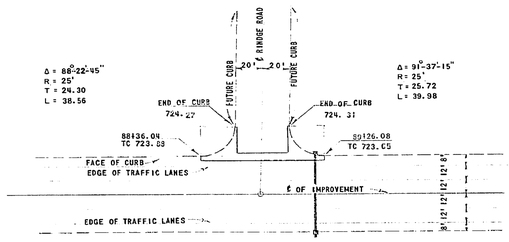


REVENA AVE. INTERSECTION STA. 40+28.30
SCALE 1" = 50'

SECTION A-A



RALEY DRIVE INTERSECTION
STA. 54+20.10
SCALE 1" = 50'



RINDGE ROAD INTERSECTION
STA. 88+79.44
SCALE 1" = 50'

58-8BDC6-P

R-1084

11

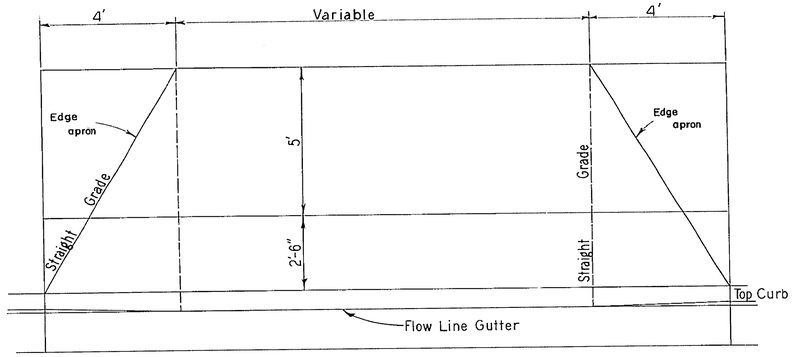
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1290	1957	12	22

DIST.	COUNTY	ROUTE	SEC	SHEET NO.	TOTAL SHEETS
VEN	VEN.	1260		12	22

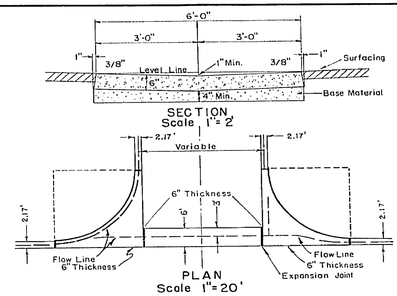
Dist. Eng. Dist

Approved AUGUST 20, 1957

County Surveyor



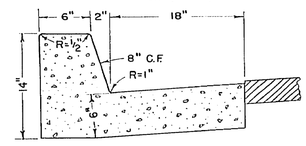
PLAN
SCALE 1"= 2'



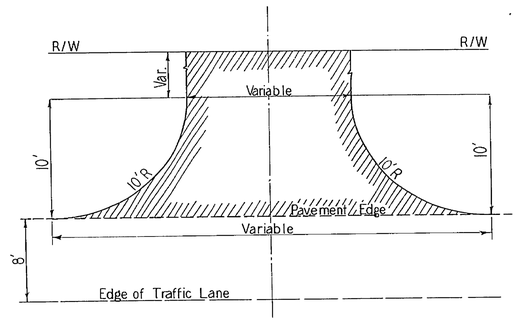
SECTION
Scale 1"= 2'

PLAN
Scale 1"= 20'

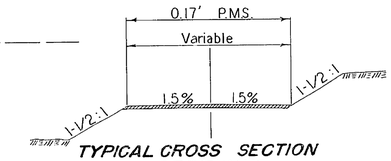
CROSS GUTTER DETAIL



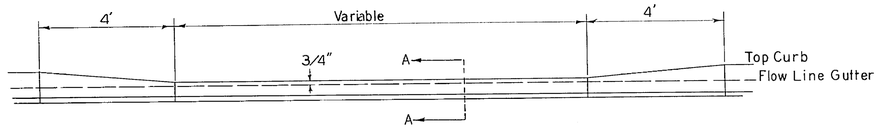
SPECIAL
CURB & GUTTER
SCALE 1½"=1'



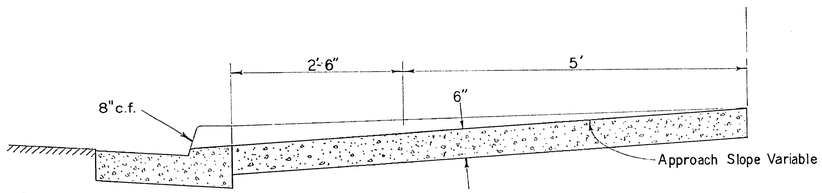
TYPICAL PLAN
DRIVEWAYS
SCALE 1"=5'



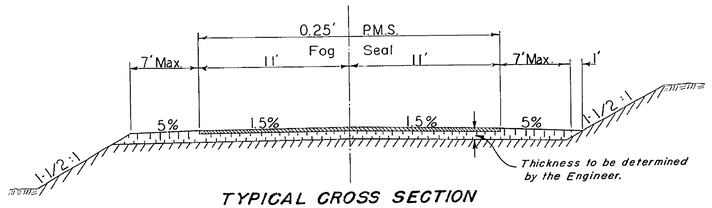
TYPICAL CROSS SECTION
DRIVEWAYS
SCALE 1"=5'



FRONT ELEVATION
SCALE 1"=2'



SECTION A-A
SCALE 1"=1'



TYPICAL CROSS SECTION
ROAD CONNECTIONS
SCALE 1"=5'

DEPRESSED CURB FOR DRIVEWAYS

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.	71 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								65	52				
0+76		Place 24"x200' C.M.P. Cross drain		14			200			16	14	2			
13+65	16"x27' Conc.	Remove & Replace with 18"x26' Side drain rt.		16		26				918	271	2	86	179	19,500
13+90	60"x42'C.M.P.	Remove & Replace with Double 10'x8'-A-11x72' Box Culvert, Construct type "B" endwalls as per detail								15	12				
14+15	30"x28'Conc.	Remove & Replace with 24"x28'C.M.P. Side drain rt.		14			28								
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 12"x22'x16'6"x38'' x 45°11'		14											
35+99		Place 12"x38' C.M.P. Side drain lt.		16	38					8	7	2			
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"x72' 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	10	72	1141	444	8	110	183	20,003

GUIDE POST & CULVERT SUMMARY

Guide Post Type A	8
" " "	11
" " "	40
" " "	31
	90
Culvert Markers	18 8
Horiz. Reflectors	13
Total:	111 115

3 at State Dist. office can not fill in

PIERCE STREET & PIERCE PLACE 1250(1)

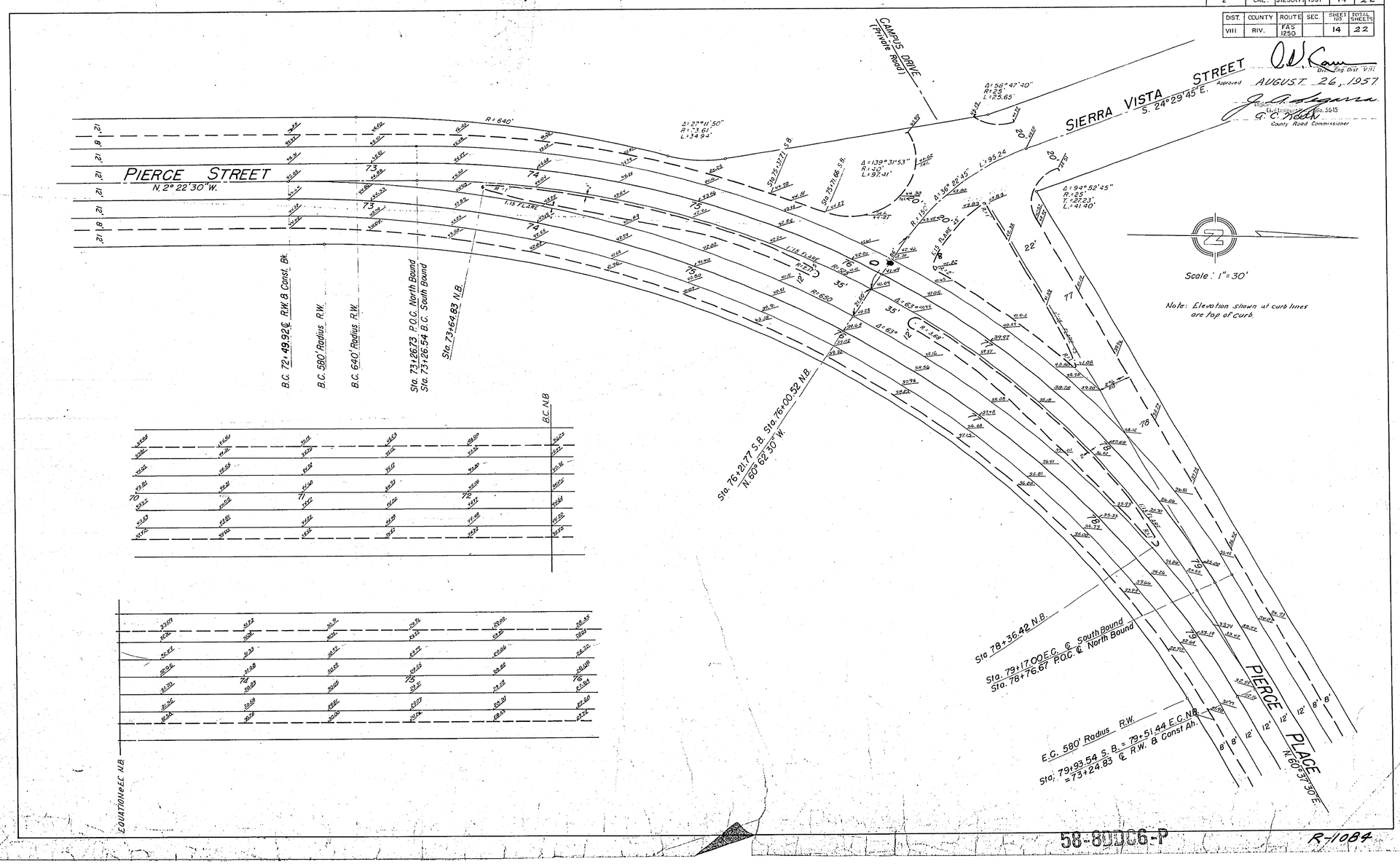
CULVERT SHEET

13

R-1084

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



Dist. Eng. Dist. VIII

Approved AUGUST 26, 1957

Engineer

Civil Engineer No. 5645

County Road Commissioner

58-80DC6-P

R-1084

14

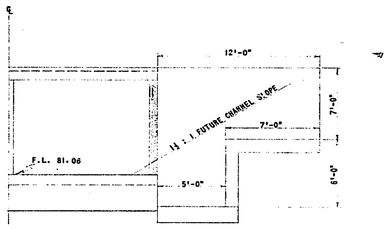
FED. ROAD DIST. NO.	STATE	FED.AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
2	CAL.	S-1250	1957	15	22

DIST.	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VIII	RIV.	FAS 1250	1	15	22

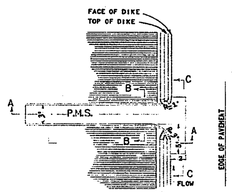
DIST. ENG.

APPROVED AUGUST 26, 1957

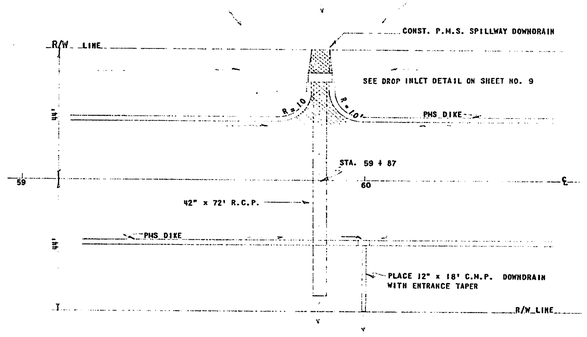
COUNTY SURVEYOR



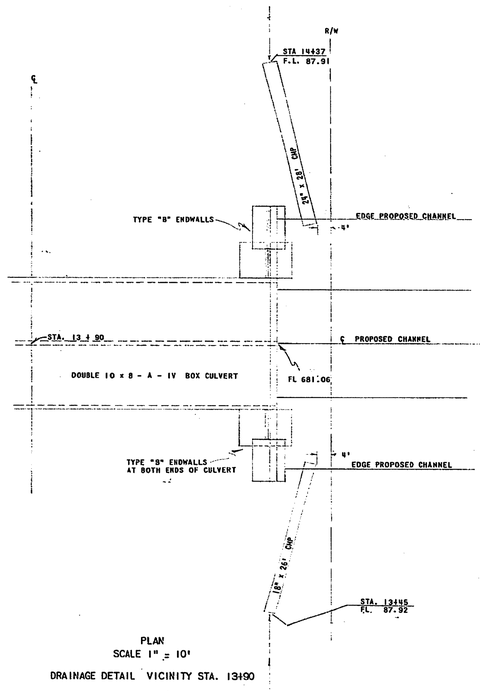
END ELEVATION
SCALE 1" = 5'



PLAN

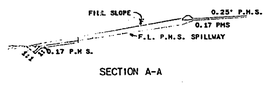


PLAN
SCALE 1" = 20'

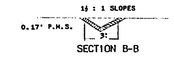


NOTE: SEE STANDARD SHEETS A-57, A-59, A-60 FOR STRUCTURE DETAILS.

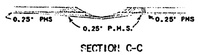
PLAN
SCALE 1" = 10'
DRAINAGE DETAIL VICINITY STA. 13490



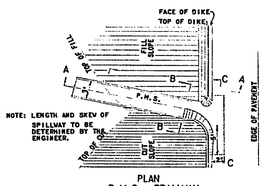
SECTION A-A



SECTION B-B

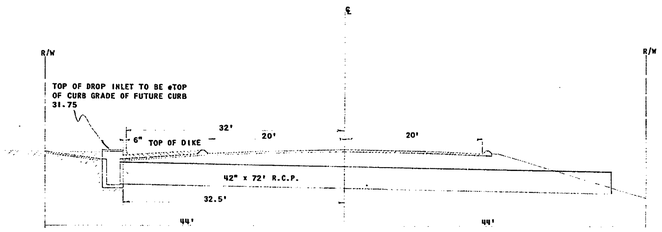


SECTION C-C



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-SBD06-P

R-1084