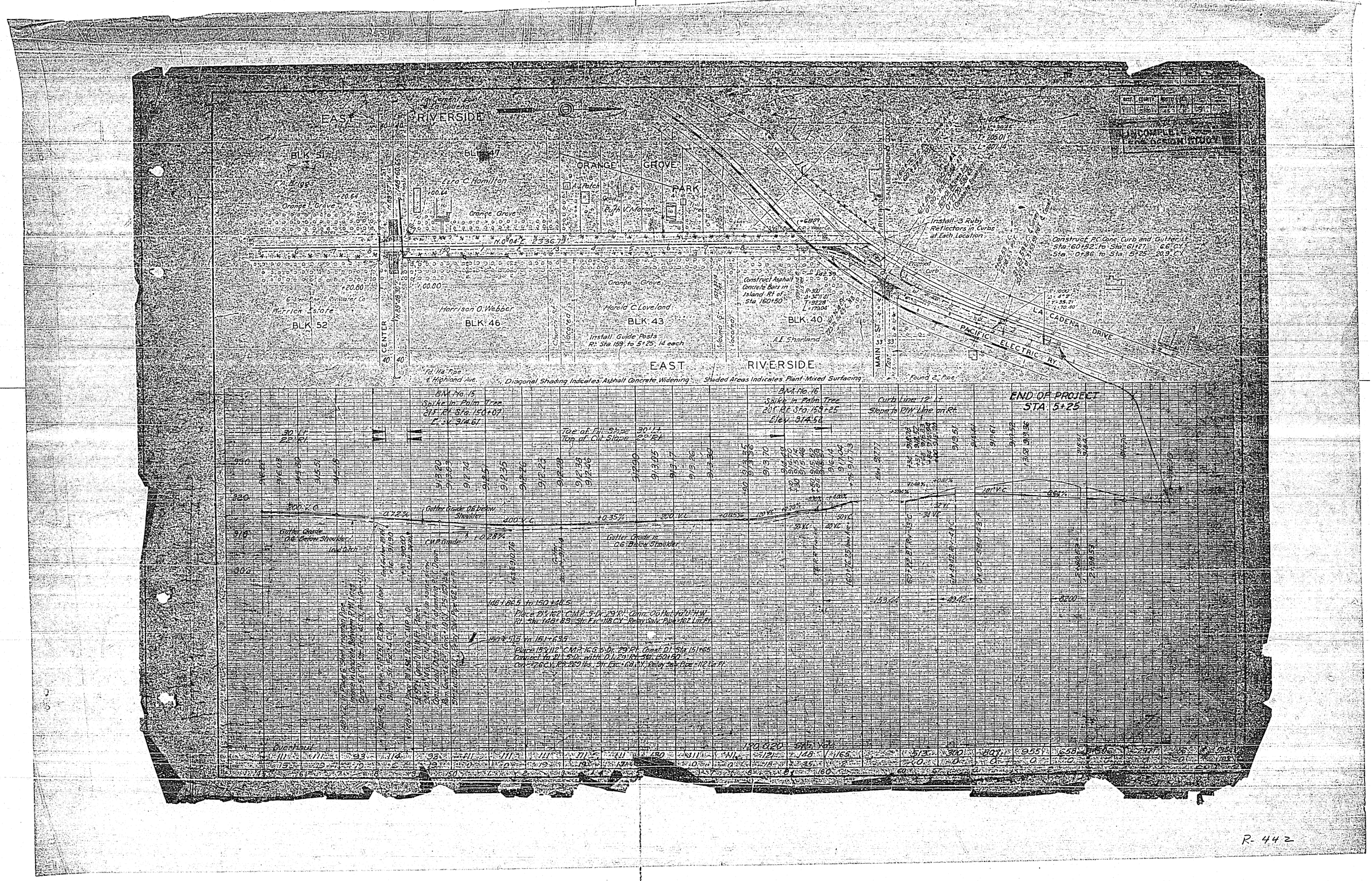
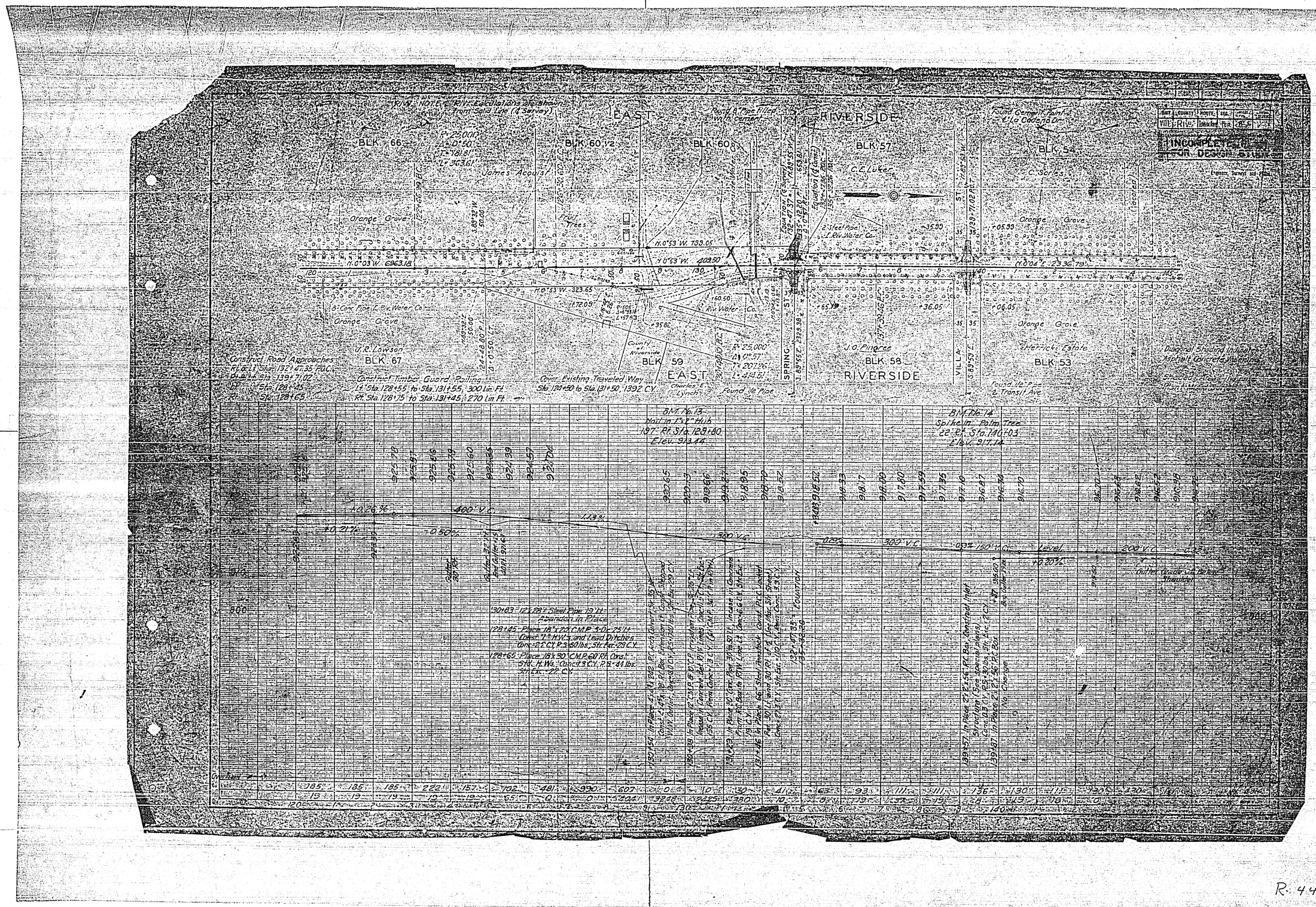
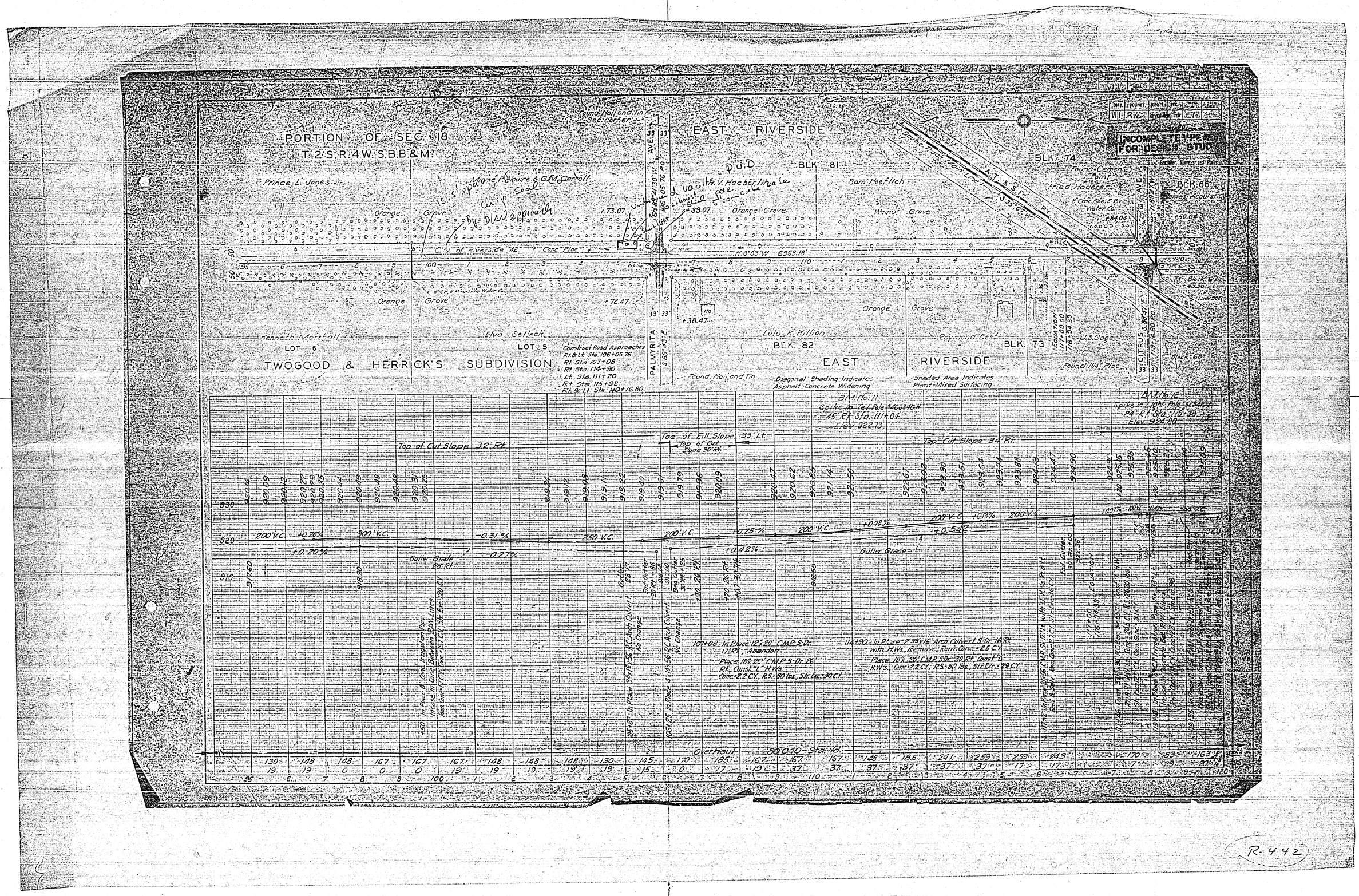

EAST RIVERSIDE
BLK 51
BLK 47
ORANGE GROVE PARK
Ezra C. Hamilton
Orange Grove
Harrison O. Webber
BLK 46
Harold C. Loveland
BLK 43
BLK 40
BLK 52
Install Guide Posts
Construct Asphalt Concrete Bars in Island Rt of Sta 150+50
Install 3 Ruby Reflectors in Curbs at Each Location
Construct P.C. Conc. Curb and Gutter Lt
Sta 60+52 to Sta 61+27 - 6.6 C.Y.
Sta 0+36 to Sta 5+25 - 20.9 C.Y.
LA CADENA DRIVE
PACIFIC ELECTRIC RY.
MAIN ST.
CENTER
EAST RIVERSIDE
Diagonal Shading Indicates Asphalt Concrete Widening
Shaded Areas Indicates Plant Mixed Surfacing
Found 2" Pipe
END OF PROJECT
STA 5+25
BM No. 15
Spike in Palm Tree
BM No. 16
Spike in Palm Tree
Curb Line 12' Lt
Slope to P/W Line on Rt.
Toe of Fill Slope 30' Lt
Top of Cut Slope 22' Rt
Gutter Grade 0.6 Below Shoulder
Gutter Grade is 0.6 Below Shoulder
Overhaul
INCOMPLETE
LOCATION STUDY

R-442

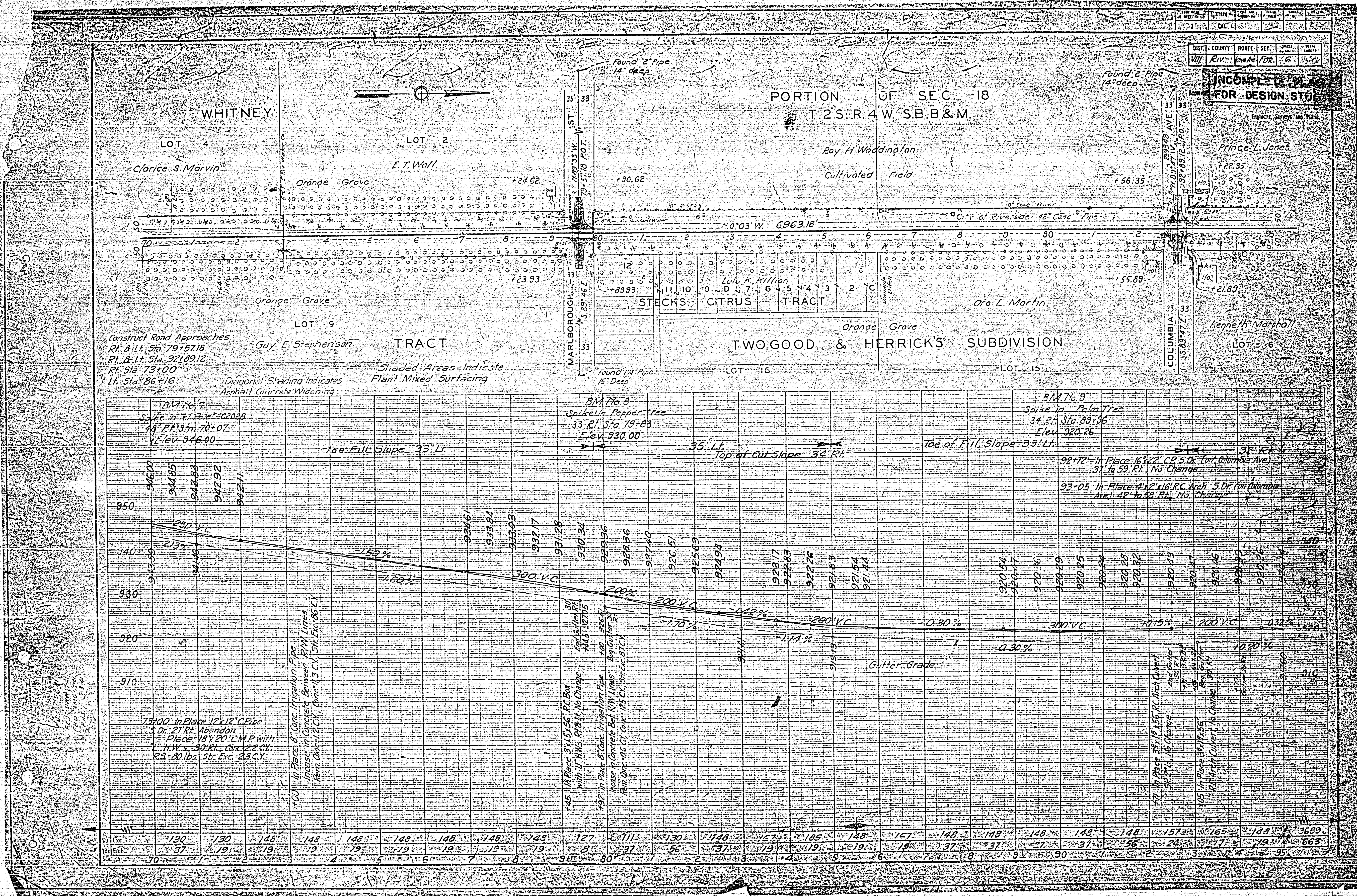

EAST RIVERSIDE
BLK. 66
BLK. 60 1/2
BLK. 60
BLK. 57
BLK. 54
BLK. 67
BLK. 59
BLK. 58
BLK. 53
James Acquist
C. E. Luker
C. Sarles
J. R. Lawson
J. O. Pingree
Herrick Estate
Orange Grove
Fruit Trees
Riv. Water Co.
Construct Road Approaches
Construct Timber Guard Railing
Cover Existing Traveled Way
Diagonal Shading Indicates Asphalt Concrete Wearing
BM. No. 13
Nail in 1"x2" Hub
197' Rt. Sta. 129+80
Elev. 913.44
BM. No. 14
Spike in Palm Tree
22' Rt. Sta. 140+03
Elev. 917.14
400' V.C.
300' V.C.
150' V.C.
200' V.C.
Level
Gutter Grade 0.6 Below Shoulder
Abandon in Place
Place 18"x20' C.M.P. 5-Dr. 25' Lt.
Place 18"x30' C.M.P. 60' Rt. Const.
Std. H.Ws. Conc. 3 C.Y. R.S. 44 lbs.
Str. Exc. 22 C.Y.
Overhaul

R-442



PORTION OF SEC. 18
T.2 S.R.4 W. S.B.B.&M.
EAST RIVERSIDE
BLK. 81
BLK. 74
BLK. 66
BLK. 82
BLK. 73
Prince L. Jones
Orange Grove
Sam Hoeflich
Walnut Grove
Kenneth Marshall
Elva Selleck
Lulu K. Killion
Raymond Best
LOT 6
LOT 5
TWOGOOD & HERRICK'S SUBDIVISION
PALMYRITA AVE.
CITRUS AVE.
Found Nail and Tin
Diagonal Shading Indicates Asphalt Concrete Widening
Shaded Area Indicates Plant-Mixed Surfacing
Top of Cut Slope 32' Rt.
Toe of Fill Slope 33' Lt.
Top of Cut Slope 30' Rt.
Top Cut Slope 34' Rt.
Gutter Grade 28' Rt.
Gutter Grade
Overhaul 80.040 Sta. Yd.
INCOMPLETE FOR DESIGN STUDY

R-442


DIST. COUNTY ROUTE SEC. SHEET TOTAL SHEETS
VIII RIV. FDR. 6
INCOMPLETE PLANS FOR DESIGN STUDY
Engineer, Surveys and Plans
PORTION OF SEC. 18
T.2S. R.4W. S.B.B.&M.
WHITNEY
LOT 4
Clorice S. Marvin
LOT 2
E.T. Wall
Orange Grove
Found 2" Pipe 14" deep
MARLBOROUGH ST.
N.89°33'W.
79+57.18 P.O.T.
+24.62
+30.62
Roy H. Waddington
Cultivated Field
+56.35
City of Riverside 42" Conc. Pipe
N.0°03'W. 6963.18'
COLUMBIA AVE.
N.89°47'W.
92+89.12 P.O.T.
Prince L. Jones
+22.35
+23.93
+89.93
Lulu K. Killion
STECKS CITRUS TRACT
Drainage Ditch
+55.89
Ora L. Martin
+21.89
Kenneth Marshall
LOT 6
S.89°46'E.
S.89°47'E.
Orange Grove
LOT 9
Guy E. Stephenson
TRACT
TWO GOOD & HERRICK'S SUBDIVISION
LOT 16
LOT 15
Found 1¼" Pipe 15" Deep
Construct Road Approaches:
Rt. & Lt. Sta. 79+57.18
Rt. & Lt. Sta. 92+89.12
Rt. Sta. 73+00
Lt. Sta. 86+16
Diagonal Shading Indicates Asphalt Concrete Widening
Shaded Areas Indicate Plant Mixed Surfacing
B.M. No. 7
Spike in Tel. Pole #C2028
49' Rt. Sta. 70+07
Elev. 946.00
B.M. No. 8
Spike in Pepper Tree
33' Rt. Sta. 79+83
Elev. 930.00
B.M. No. 9
Spike in Palm Tree
34' Rt. Sta. 89+36
Elev. 920.26
Toe Fill Slope 33' Lt.
35' Lt.
Top of Cut Slope 34' Rt.
Toe of Fill Slope 33' Lt.
35' Rt.
92+72 In Place 16"x22" C.P. S.Dr. (on Columbia Ave.) 37' to 59' Rt. No Change
93+05 In Place 4'x2'x16' R.C. Arch S.Dr. (on Columbia Ave.) 42' to 59' Rt. No Change
950
940
930
920
910
250' V.C.
-2.13%
-1.50%
-1.60%
300' V.C.
-2.00%
200' V.C.
-1.70%
-1.42%
-1.14%
200' V.C.
-0.30%
-0.30%
Gutter Grade
300' V.C.
+0.15%
200' V.C.
-0.32%
+0.20%
946.00
944.85
943.83
942.92
942.11
943.59
941.46
934.61
933.84
933.03
932.17
931.28
930.34
929.36
928.36
927.40
926.51
925.69
924.94
923.17
922.83
922.26
921.83
921.54
921.44
921.41
919.19
920.54
920.47
920.36
920.29
920.25
920.24
920.28
920.32
920.43
920.47
920.46
920.33
920.26
75+00 In Place 12"x12" C.Pipe S.Dr. 21' Rt. Abandon. Place 18"x20" C.M.P. with "L" H.W.s. 30' Rt., Conc. 2.2 C.Y., R.S. 80 lbs. Str. Exc. 23 C.Y.
+00 In Place 8" Conc. Irrigation Pipe. Incase in Concrete Between R/W Lines. Rem. Conc. 1.2 C.Y., Conc. 11.3 C.Y., Str. Exc. 86 C.Y.
+45 In Place 3'x1.5'x56' R.C. Box with "U" H.W.s. Rt. & Lt. No Change
End Gutter Rt. +14.5 927.95
+92 In Place 8" Conc. Irrigation Pipe. Incase in Concrete Bet. R/W Lines. Rem. Conc. 0.6 C.Y., Conc. 12.5 C.Y., Str. Exc. 87 C.Y.
+00 926.51 Beg. Gutter 30' Rt.
+71 In Place 3'x1.8'x56' R.C. Arch Culvert Sk. 2° Lt. No Change
End Gutter 30' Rt.
+05 In Place 3'x1.9'x56' R.C. Arch Culvert, No Change
Beg. Gutter 30' Rt.
Cu. Yds. Exc. 130 130 148 148 148 148 148 148 148 127 111 130 148 167 185 148 167 148 148 148 148 149 148 157 165 148 3689
Emb. 37 19 19 19 19 19 19 19 19 8 37 56 37 19 19 19 15 37 37 37 27 37 56 24 17 19 663
Sta. 70 1 2 3 4 5 6 7 8 9 80 1 2 3 4 5 6 7 8 9 90 1 2 3 4 95

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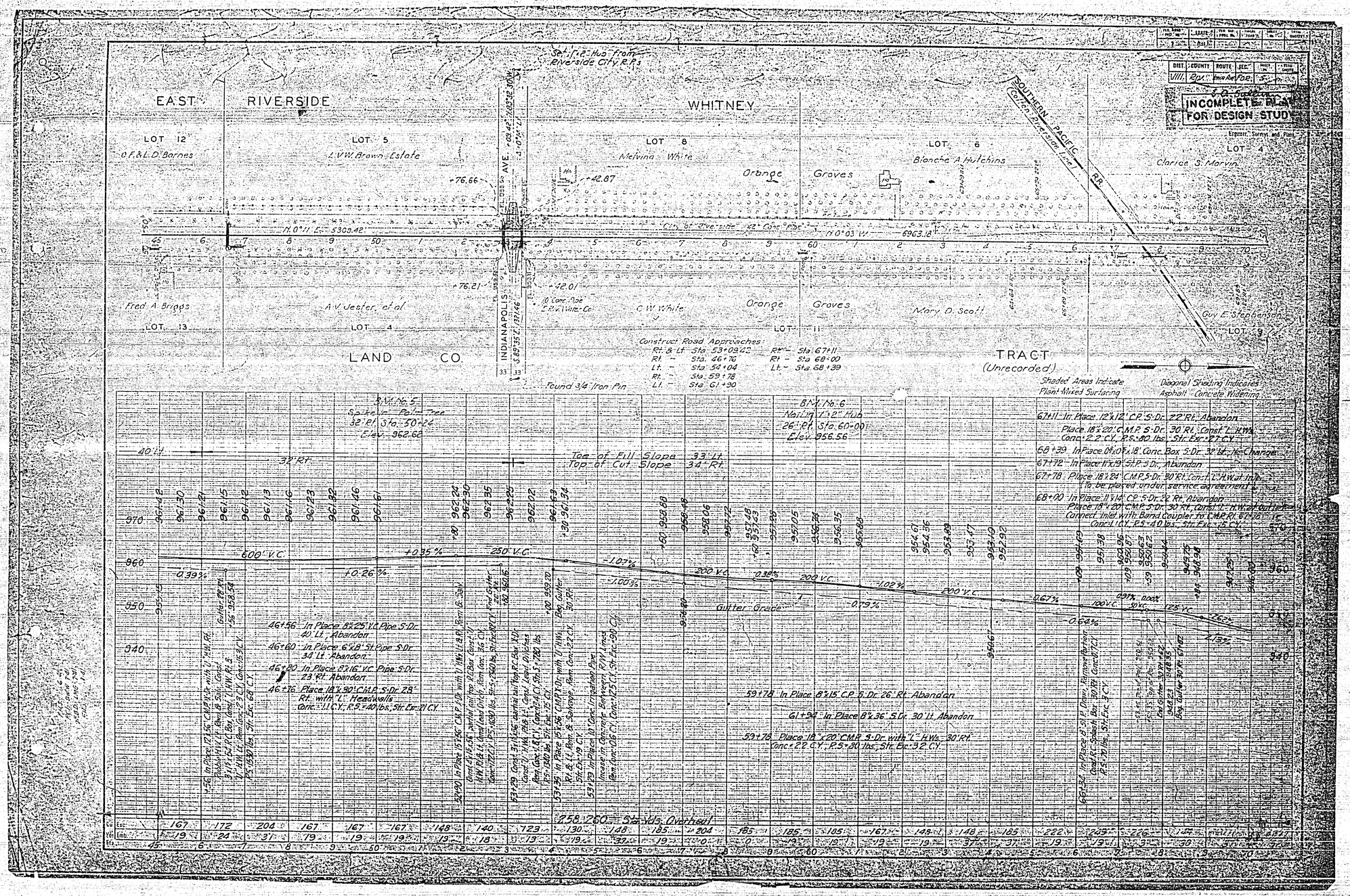
EAST RIVERSIDE LAND CO.
WHITNEY TRACT (Unrecorded)
LOT 12 O.F.&L.D. Barnes
LOT 5 L.V.W. Brown Estate
LOT 8 Melvina White
LOT 6 Blanche A. Hutchins
LOT 4 Clarice S. Marvin
LOT 13 Fred A. Briggs
LOT 4 A.V. Jester, et al
C.W. White
LOT 11 Mary D. Scott
LOT 9 Guy E. Stephenson
Orange Groves
INDIANAPOLIS AVE.
SOUTHERN PACIFIC (Corona-Riverside Line) R.R.
Set 1"x2" Hub from Riverside City R.P.s
Found 3/4" Iron Pin
Construct Road Approaches:
Rt. & Lt. Sta. 53+08.42
Rt. - Sta. 46+70
Lt. - Sta. 54+04
Rt. - Sta. 59+78
Lt. - Sta. 61+90
Rt. - Sta. 67+11
Rt. - Sta. 68+00
Lt. - Sta. 68+39
INCOMPLETE PLAN FOR DESIGN STUDY
Shaded Areas Indicate Plant Mixed Surfacing
Diagonal Shading Indicates Asphalt Concrete Widening
B.M. No. 5 Spike in Palm Tree 32' Rt. Sta. 50+24 Elev. 962.66
B.M. No. 6 Nail in 1"x2" Hub 26' Rt. Sta. 60+00 Elev. 956.56
Toe of Fill Slope 33' Lt.
Top of Cut Slope 34' Rt.
Gutter Grade
600' V.C.
250' V.C.
200' V.C.
100' V.C.
50' V.C.
125' V.C.
+0.35%
+0.26%
-0.39%
-1.07%
-1.00%
-1.02%
-0.79%
-0.64%
-0.67%
-0.91% max.
46+56 In Place 8"x25' V.C. Pipe S-Dr. 40' Lt. Abandon
46+60 In Place 6"x8' St. Pipe S-Dr. 34' Lt. Abandon
46+80 In Place 8"x16' V.C. Pipe S-Dr. 23' Rt. Abandon
46+76 Place 18"x50' C.M.P. S-Dr. 28' Rt. with "L" Headwalls Conc.=1.1 C.Y.; R.S.=40 lbs.; Str. Ex.=21 C.Y.
59+78 In Place 8"x15' C.P. S-Dr. 26' Rt. Abandon
61+94 In Place 8"x36' S-Dr. 30' Lt. Abandon
59+78 Place 18"x20' C.M.P. S-Dr. with "L" H.W.s 30' Rt. Conc.=2.2 C.Y.; R.S.=80 lbs.; Str. Ex.=32 C.Y.
67+11 In Place 12"x12' C.P. S-Dr. 22' Rt. Abandon
Place 18"x20' C.M.P. S-Dr. 30' Rt. Const. L.H.W.s Conc.=2.2 C.Y.; R.S.=80 lbs.; Str. Ex.=27 C.Y.
68+39 In Place 8'x10'x18' Conc. Box S-Dr. 32' Lt. No Change
67+72 In Place 11"x19' S.P.P. S-Dr. Abandon
67+78 Place 18"x24' C.M.P. S-Dr. 30' Rt. Const. L.H.W. at Inlet To be placed under service agreement
68+10 In Place 11"x14' C.P. S-Dr. 26' Rt. Abandon
Place 18"x20' C.M.P. S-Dr. 30' Rt. Const. S.L.H.W. at Inlet
Connect Inlet with Band Coupler to C.M.P. Rt. 67+78
Conc.=1 C.Y.; R.S.=40 lbs.; Str. Ex.=15 C.Y.
Est. 167 172 204 167 167 167 148 140 123 258 260 214 185 204 185 185 185 167 149 148 185 222 205 226 147 217 217 217
Emb. 19 24 31 19 19 19 19 18 19 130 148 185 19 0 0 19 19 19 19 37 37 19 19 19 30 50 70 70

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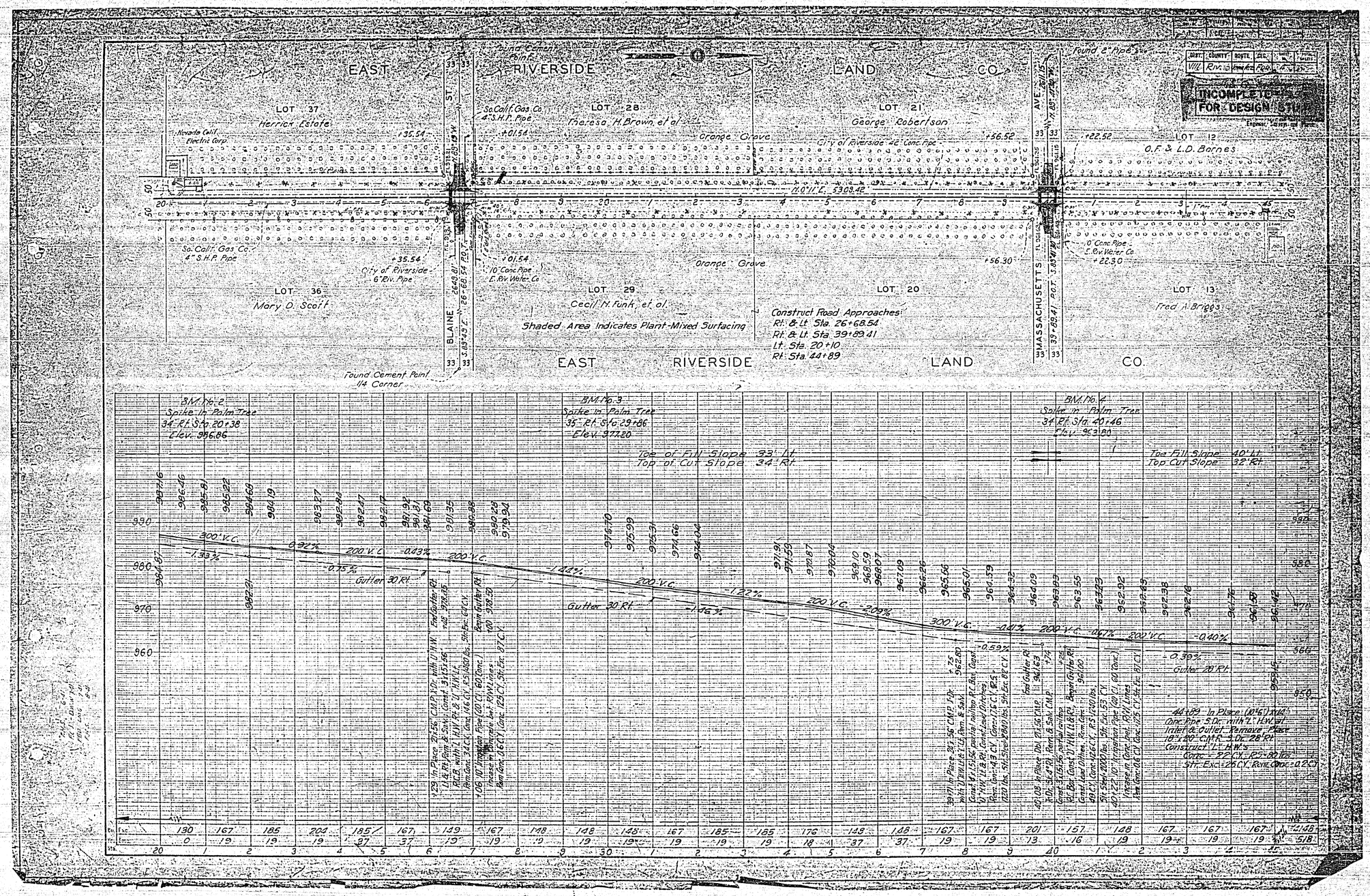
EAST RIVERSIDE LAND CO.
LOT 37
Herrick Estate
LOT 28
Theresa H. Brown, et al
LOT 21
George Robertson
LOT 12
O.F. & L.D. Barnes
LOT 36
Mary D. Scott
LOT 29
Cecil N. Funk, et al.
LOT 20
LOT 13
Fred A. Briggs
Orange Grove
Shaded Area Indicates Plant-Mixed Surfacing
Construct Road Approaches:
Rt. & Lt. Sta. 26+68.54
Rt. & Lt. Sta. 39+89.41
Lt. Sta. 20+10
Rt. Sta. 44+89
BLAINE ST.
MASSACHUSETTS AVE.
Found Cement Point 1/4 Corner
BM. No. 2
Spike in Palm Tree
34' Rt. Sta. 20+38
Elev. 986.86
BM. No. 3
Spike in Palm Tree
35' Rt. Sta. 29+86
Elev. 977.20
BM. No. 4
Spike in Palm Tree
34' Rt. Sta. 40+46
Elev. 963.80
Toe of Fill Slope 33' Lt.
Top of Cut Slope 34' Rt.
Toe Fill Slope 40' Lt.
Top Cut Slope 32' Rt.
Gutter 30' Rt.
Gutter 20' Rt.
INCOMPLETE FOR DESIGN STUDY

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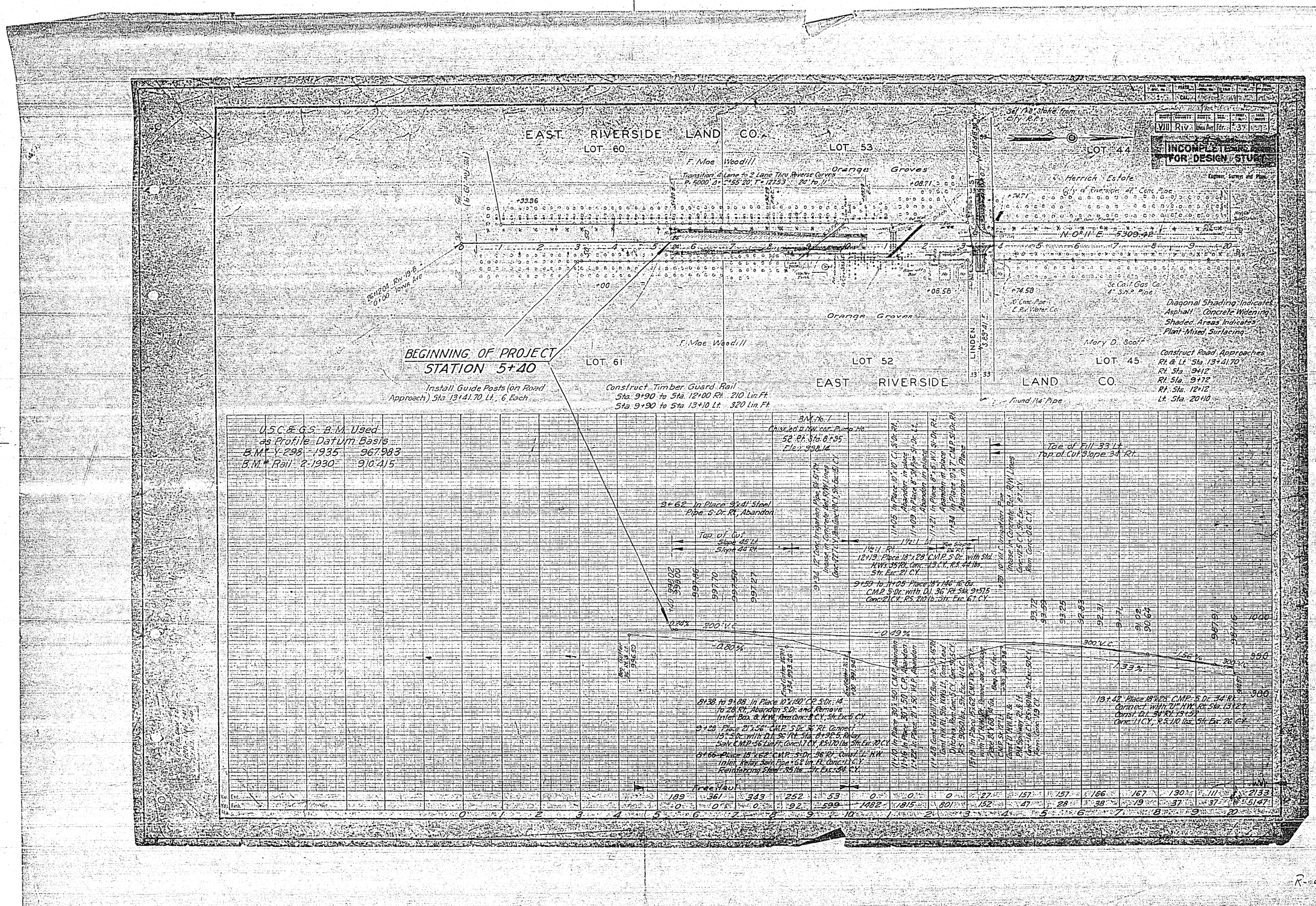
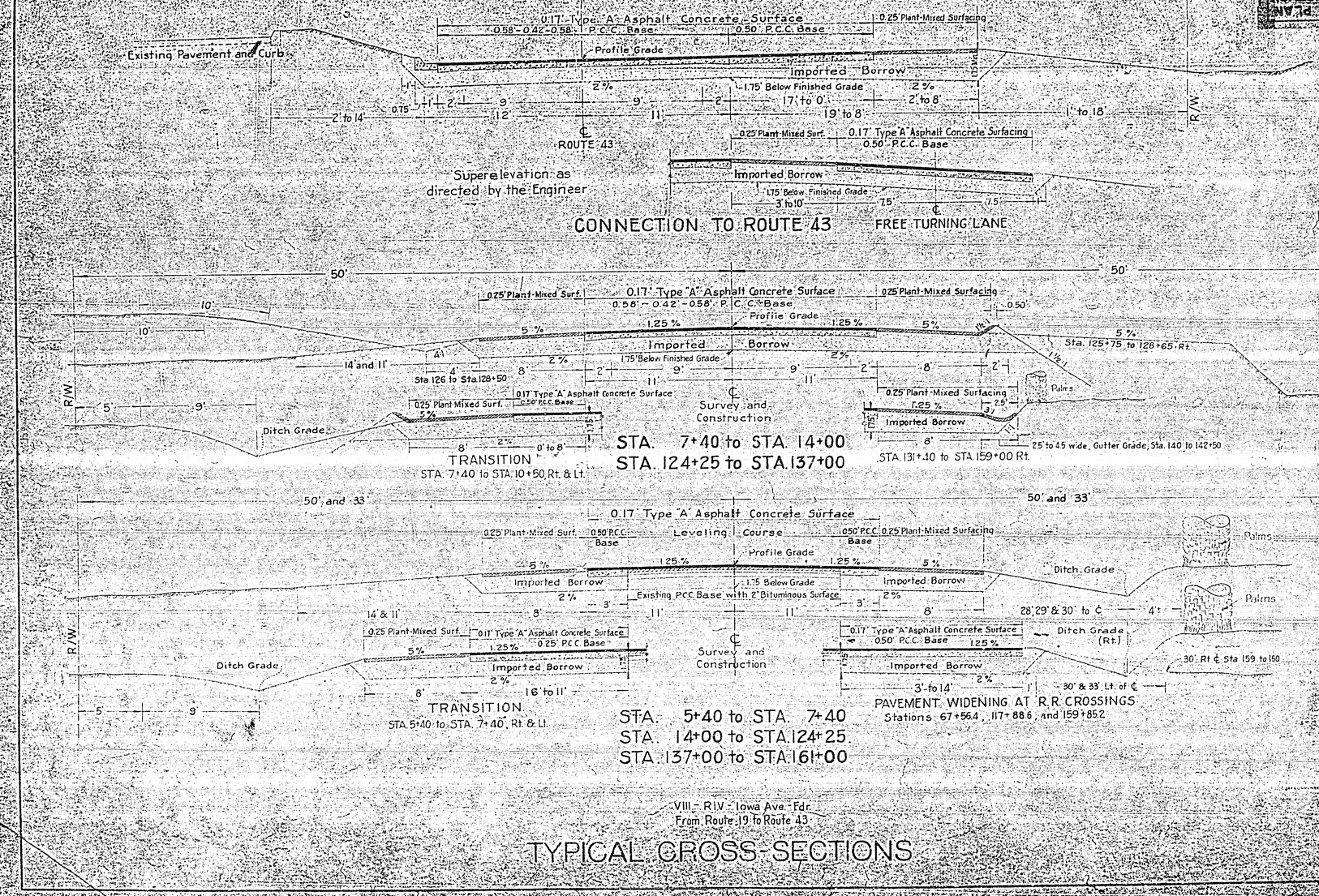
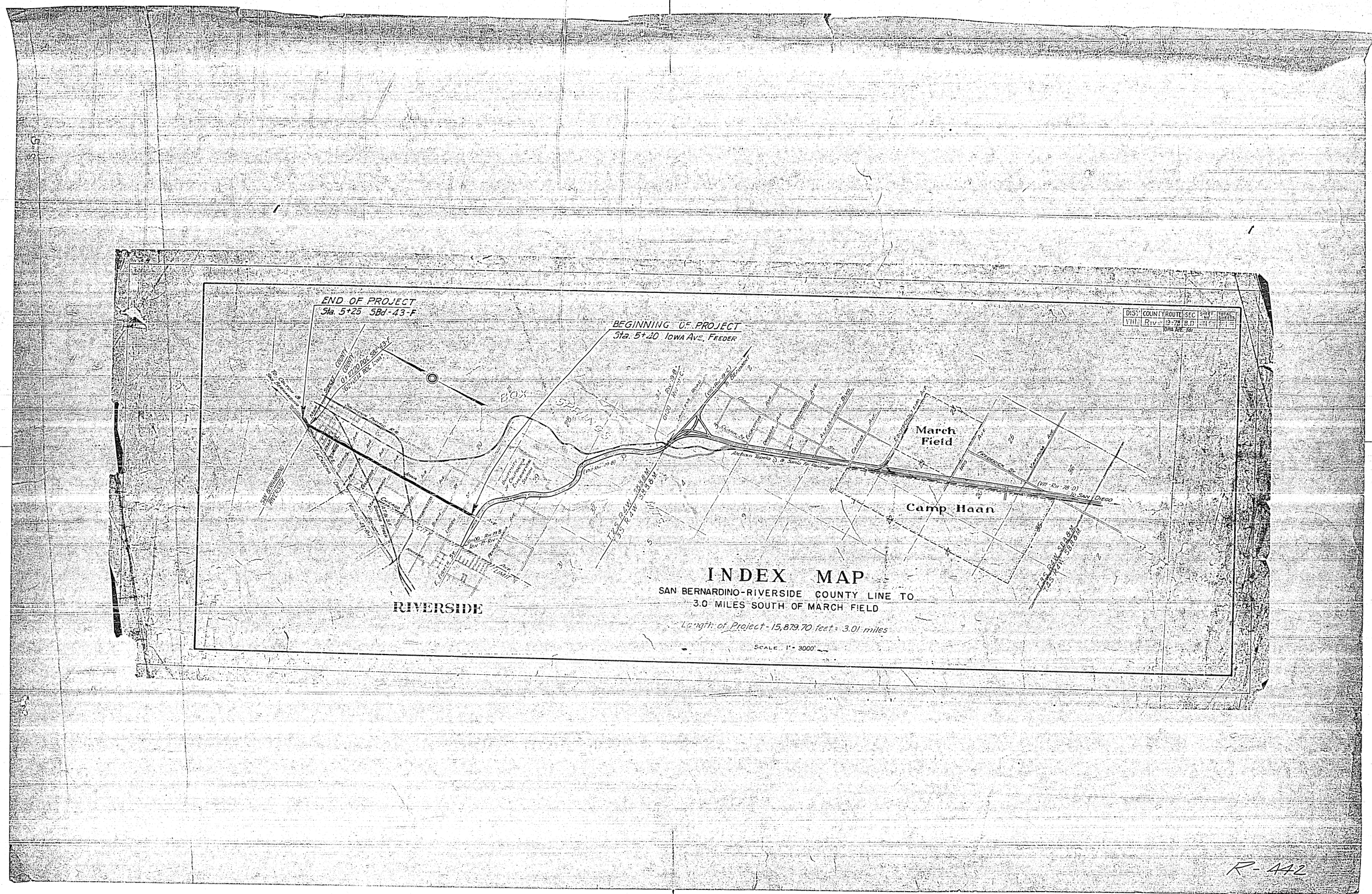


EAST RIVERSIDE LAND CO.
LOT 60
LOT 53
LOT 44
F. Mae Woodill
Orange Groves
Herrick Estate
City of Riverside 42" Conc. Pipe
N 0° 11' E 5309.42'
Sc. Cal. Gas Co. 4" S.H.P. Pipe
Diagonal Shading Indicates Asphalt Concrete Widening
Shaded Areas Indicates Plant-Mixed Surfacing
Construct Road Approaches
Rt. & Lt. Sta. 13+41.70
Rt. Sta. 9+12
Rt. Sta. 9+72
Rt. Sta. 12+12
Lt. Sta. 20+10
BEGINNING OF PROJECT
STATION 5+40
Install Guide Posts (on Road Approach) Sta. 13+41.70 Lt. 6 Each
LOT 61
LOT 52
LOT 45
Mary D. Scott
EAST RIVERSIDE LAND CO.
Construct Timber Guard Rail
Sta. 9+90 to Sta. 12+00 Rt. 210 Lin. Ft.
Sta. 9+90 to Sta. 13+10 Lt. 320 Lin. Ft.
Found 1¼" Pipe
U.S.C.&G.S. B.M. Used as Profile Datum Basis
B.M.# Y-298 - 1935 967.983
B.M.# Rail 2-1930 910.415
B.M. No. 1
Chiseled □ N.W. cor. Pump Ho.
52' Rt. Sta. 8+95
Elev. 998.14
Toe of Fill 33' Lt.
Top of Cut Slope 34' Rt.
9+62 In Place 9"x41' Steel Pipe S-Dr. Rt. Abandon
Top of Cut Slope 45' Lt. Slope 44' Rt.
200' V.C.
-0.80%
-0.49%
300' V.C.
-1.33%
Free Haul

R-442

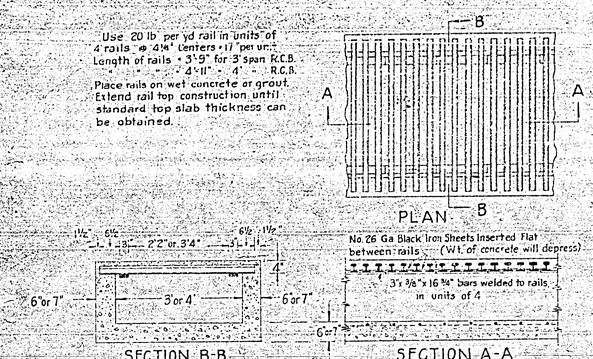

0.17' Type "A" Asphalt Concrete Surface
0.58' - 0.42' - 0.58' P.C.C. Base
0.50' P.C.C. Base
0.25' Plant-Mixed Surfacing
Existing Pavement and Curb
Profile Grade
Imported Borrow
1.75' Below Finished Grade
2 %
17' to 0'
2' to 8'
2' to 14'
19' to 8'
1' to 18'
R/W
℄ ROUTE 43
0.25' Plant-Mixed Surf.
0.17' Type "A" Asphalt Concrete Surfacing
0.50' P.C.C. Base
Superelevation as directed by the Engineer
3' to 10'
7.5'
CONNECTION TO ROUTE 43
FREE TURNING LANE
50'
10'
1.25 %
5 %
14' and 11'
Sta 126 to Sta 128+50
Sta. 125+75 to 128+65 Rt.
Survey and Construction
Palms
Ditch Grade
TRANSITION
STA. 7+40 to STA. 10+50, Rt. & Lt.
STA. 7+40 to STA. 14+00
STA. 124+25 to STA. 137+00
STA. 131+40 to STA. 159+00 Rt.
25' to 45 wide, Gutter Grade, Sta. 140 to 142+50
50' and 33'
Leveling Course
0.50' PCC Base
1.75 Below Grade
Existing PCC Base with 2" Bituminous Surface
28', 29' & 30' to ℄
30' Rt ℄ Sta 159 to 160
30' & 33' Lt. of ℄
16' to 11'
STA. 5+40 to STA. 7+40, Rt. & Lt.
STA. 5+40 to STA. 7+40
STA. 14+00 to STA. 124+25
STA. 137+00 to STA. 161+00
PAVEMENT WIDENING AT R.R. CROSSINGS
Stations 67+56.4, 117+88.6, and 159+85.2
VIII - R.IV - Iowa Ave. - Fdr.
From Route 19 to Route 43
TYPICAL CROSS-SECTIONS

R-442

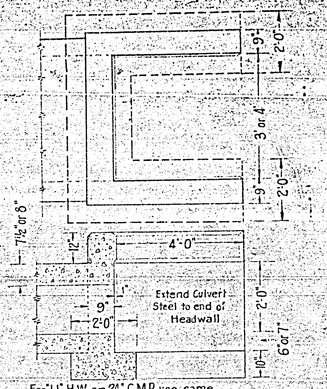

END OF PROJECT
Sta. 5+25 SBd-43-F
BEGINNING OF PROJECT
Sta. 5+40 Iowa Ave. Feeder
BOX SPRINGS
March Field
Camp Haan
RIVERSIDE
INDEX MAP
SAN BERNARDINO-RIVERSIDE COUNTY LINE TO
3.0 MILES SOUTH OF MARCH FIELD
Length of Project - 15,879.70 feet = 3.01 miles
SCALE 1" = 3000'
DIST. COUNTY ROUTE SEC. SHEET NO. TOTAL SHEETS
VIII Riv 19-78 B.D.
R-442

Dist.	County	Route	Section		Marker
VIII	Hvy.	Iowa	Cdr.		

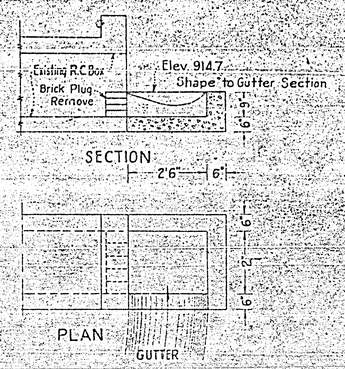
IRECON
FOR OR DGN.



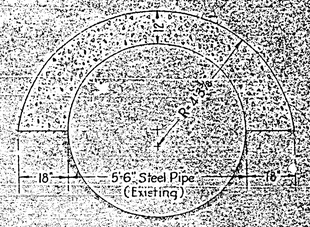
DETAILS OF RAIL TOP REINFORCING FOR R.C. BOX CULVERTS
Scale 1/2" = 1'-0"



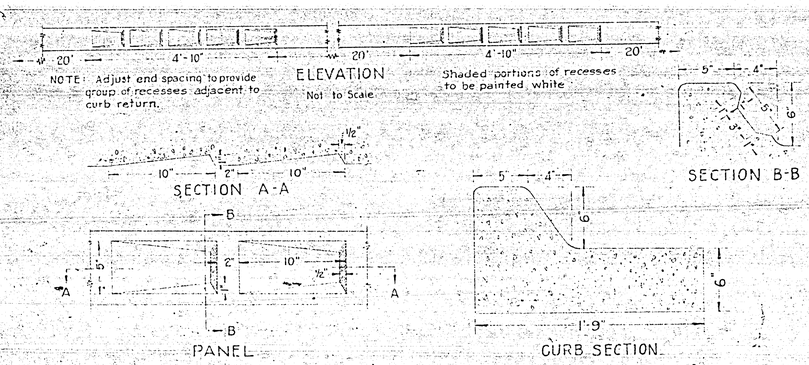
DETAIL OF "U" HEADWALL
Scale 1/2" = 1'-0"



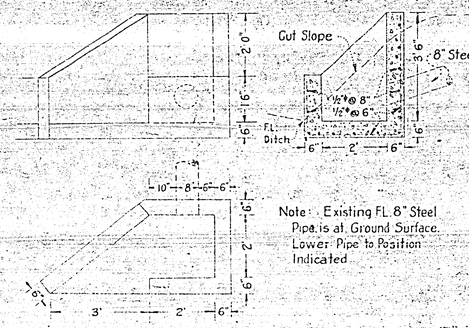
DETAIL OF INLET STRUCTURE
Station 139+57
Scale 1/2" = 1'-0"



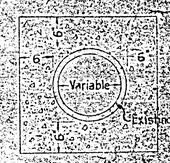
DETAIL P.C.C. JACKET
Station 131+46
Scale 1/2" = 1'-0"



DETAIL OF DIVIDING STRIP CURB & GUTTER
Scale 1" = 6"



DETAIL OF R.C. SPLASH BOX RT. STA. 66+34
Scale 1/2" = 1'-0"



DETAIL OF CONCRETE PIPE INCASEMENT
Scale 1" = 1'-0"
Incasement to extend from R/W Line to R/W Line or to weir box or other obstruction.

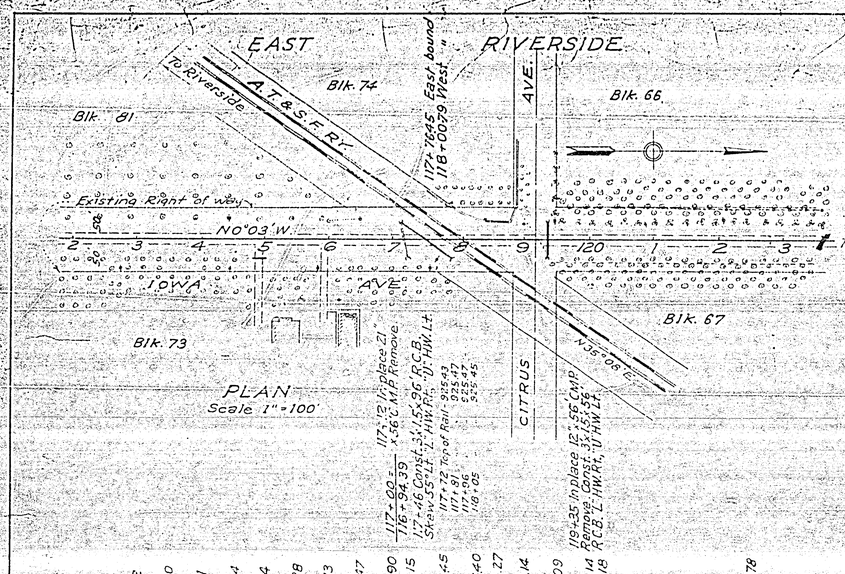
MISCELLANEOUS STRUCTURES

Scales As Shown

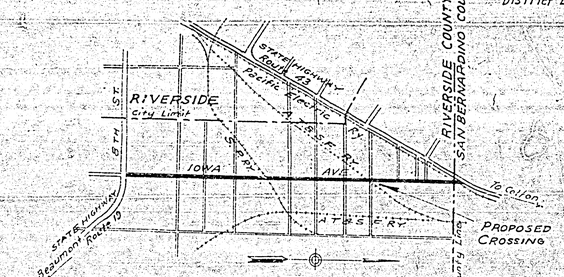
R-442

DIST	COUNTY	ROUTE	SEC.	SHEET NO.	TOTAL SHEETS
VII	Riv.	Iowa Av	Fdn.		

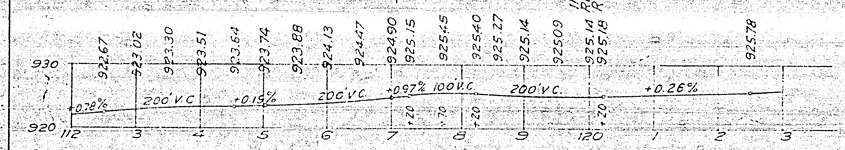
E.Q. Sullivan
District Engineer Dist VII



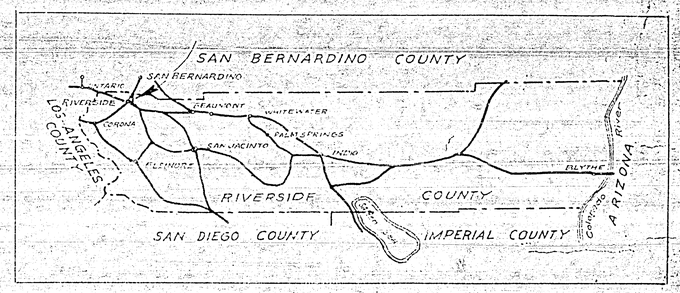
PLAN
Scale 1" = 100'



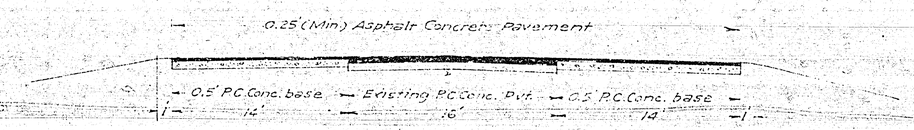
VICINITY MAP
Scale 1" = 3000'



PROFILE
Scale :- Vert. 1" = 10'
Hor. 1" = 100'



KEY MAP



SECTION AT CROSSING
Scale 1" = 5'

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

PROPOSED WIDENING OF THE IOWA AVENUE GRADE CROSSING

(RIVERSIDE COUNTY HIGHWAY)

A.T.& S.F.R.Y.

3 MILES EAST OF RIVERSIDE

R-442