2967

Notes Ck'd by	Survey of Kaa-1 & Lopez C.B.
Map No.	JN 008563 Tape Std °F
Office Work	Surveyed by Crowe
Checked	Notes Date
Date	Indexed J. GALL

F. B. PG.

ANGULAR CLOSURES

Sec. Cor.			
30 | 29 / 31 | 32	89°	35	40
P-3	153°	00	05
P-4	175	03	40
P-5	157	40	55
P-6	[illegible]	[illegible]	[illegible]
P-7	[illegible]	[illegible]	[illegible]
P-8	144	57	15
P-9	[illegible]	[illegible]	55
P-10	[illegible]	[illegible]	[illegible]
P-11	[illegible]	[illegible]	[illegible]
P-12	175	04	35
P-13	[illegible]	[illegible]	[illegible]
P-14	219	43	00
P-15	196	45	45
P-16	108	[illegible]	[illegible]
P-17	153	02	50
P-18	109	37	35
P-19	69	42	00
	2880°	~~540~~ 00'	~~620~~ 09"

(6-2) 180

(16) 180 = 2880°

$\frac{09''}{18} = \frac{1}{2}$ [illegible]

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Microfilmed April '85

763095 CE #247—7-F

F. B._____ PG._____

Witness Cor @ SE Cor Sec. 31	94° 50	00
W. 1/4 Cor. Sec. 31	177 15	20
P-22A	41 13	22
P-23	196 12	00
P-24	150 55	50
P-25	169 03	45
P-26	169 02	30
P-27	175 21	30
P-28	205 06	50
P-29	151 02	00
P-30	165 27	40
P-31	197 37	15
P-31B	86 51	25
	1979 59	27
	1979 59	60
(n-2) 180° = (11) 180° = 1980°		33" / 13 ds. = 3"/4
NW Cor Sec. 31	90° 08	30
P-18B	68 42	00
P-19	190 05	00
P-20	174 32	10
P-21	171 31	00
P-22	163 47	42
P-22A	41 13	22
	899° 59'	44"
	899 59	60
		16" / 74 = 2"/4
(n-2) 180° = (5) 180° = 900°		

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Notes Ck'd by	Survey of Kagel Cñ Lopez Cn. Rd
Map No.	JN 0095.63 Tape 65 Std 54 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 1963
Date	Indexed C. J. GALLI

F.B. 2967 PG. 5

KAGEL CÑ - LOPEZ CÑ LOOP RD.

PRELIMINARY LINE

JN 0095.63
JN 0095.64

July 1963 - Dec. 1963

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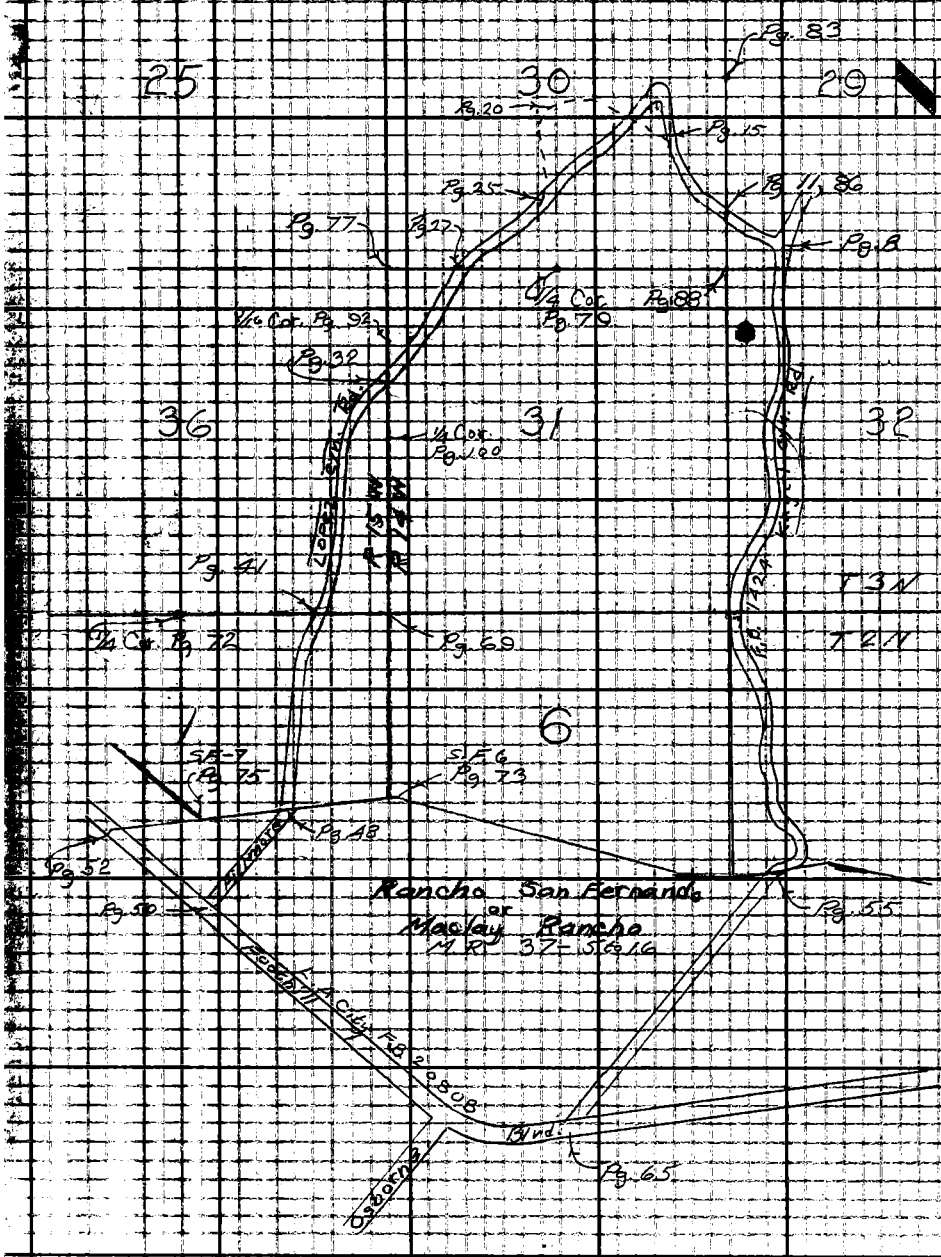
1403 LOS ANGELES COUNTY ENGINEERING BLDG.

References	Party
F.B. 1147	Crowe
F.B. 798	Newman
F.B. 439	Spriggs
L.A. Co. Rd. Dept. F.B. Z-5-80A	Fakey
L.A. City F.B. 12907	Peterson
" F.B. 20808	
" F.B. 10660	
" F.B. 9596	
" F.B. 19880	
F.B. 1304	
C.S.B. 2662	
F.B. 1424	
L.A. City F.B. 16201	
R.E. 2A -	
R.E. 2B	
F.C. 2289	

76F309S CE #310 6-62

F.B. 2967 Pg. 6

INDEX



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403 Los Angeles County Engineering Bldg.
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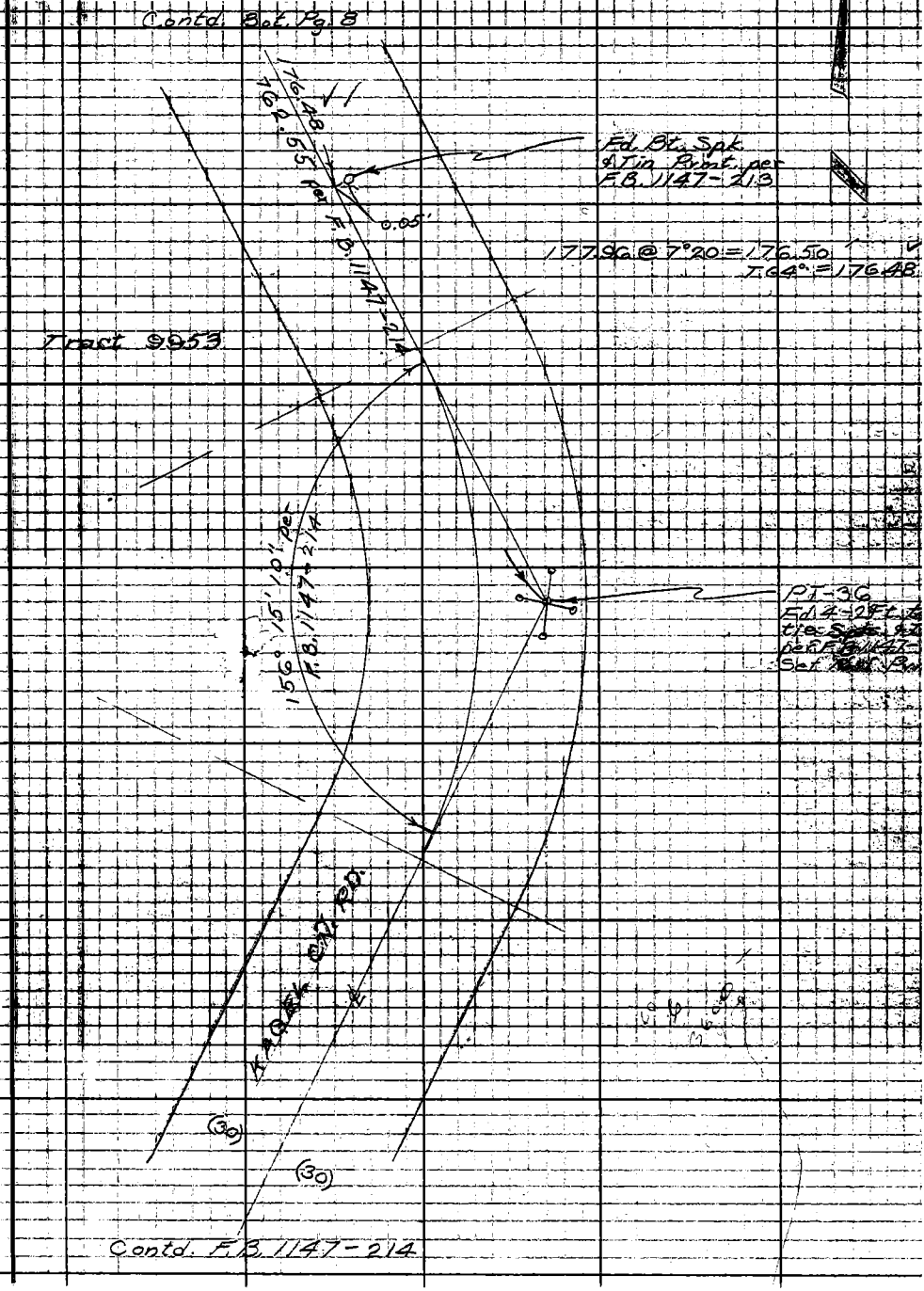
Notes Ck'd by	Survey of Kagel Cn. Rd.
Map No.	JN 0095-63 Tape 65 Std. 84 °F
Office Work	Surveyed by Crome
Checked	Notes CVC Date 26 Aug. 63
Date	Indexed S. J. GALLI

F.B. 2967 Pg.



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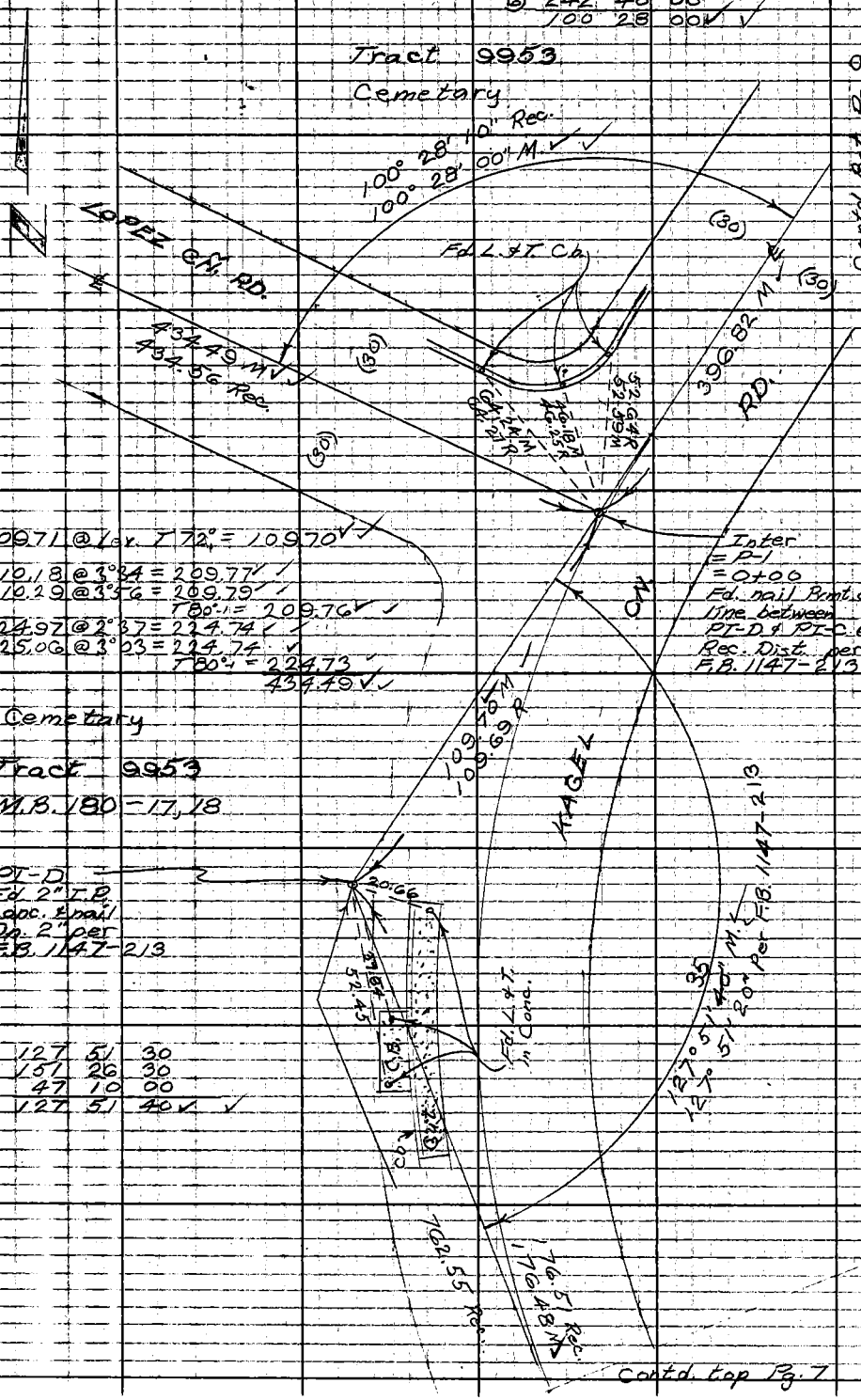
763095 CE #247—7-53

F.B. 2957 Pg. 8

1) 100 28 00
4) 41 52 00
6) 242 48 00
100 28 00 ✓ ✓

Tract 9953
Cemetary



Contd. top Pg. 7

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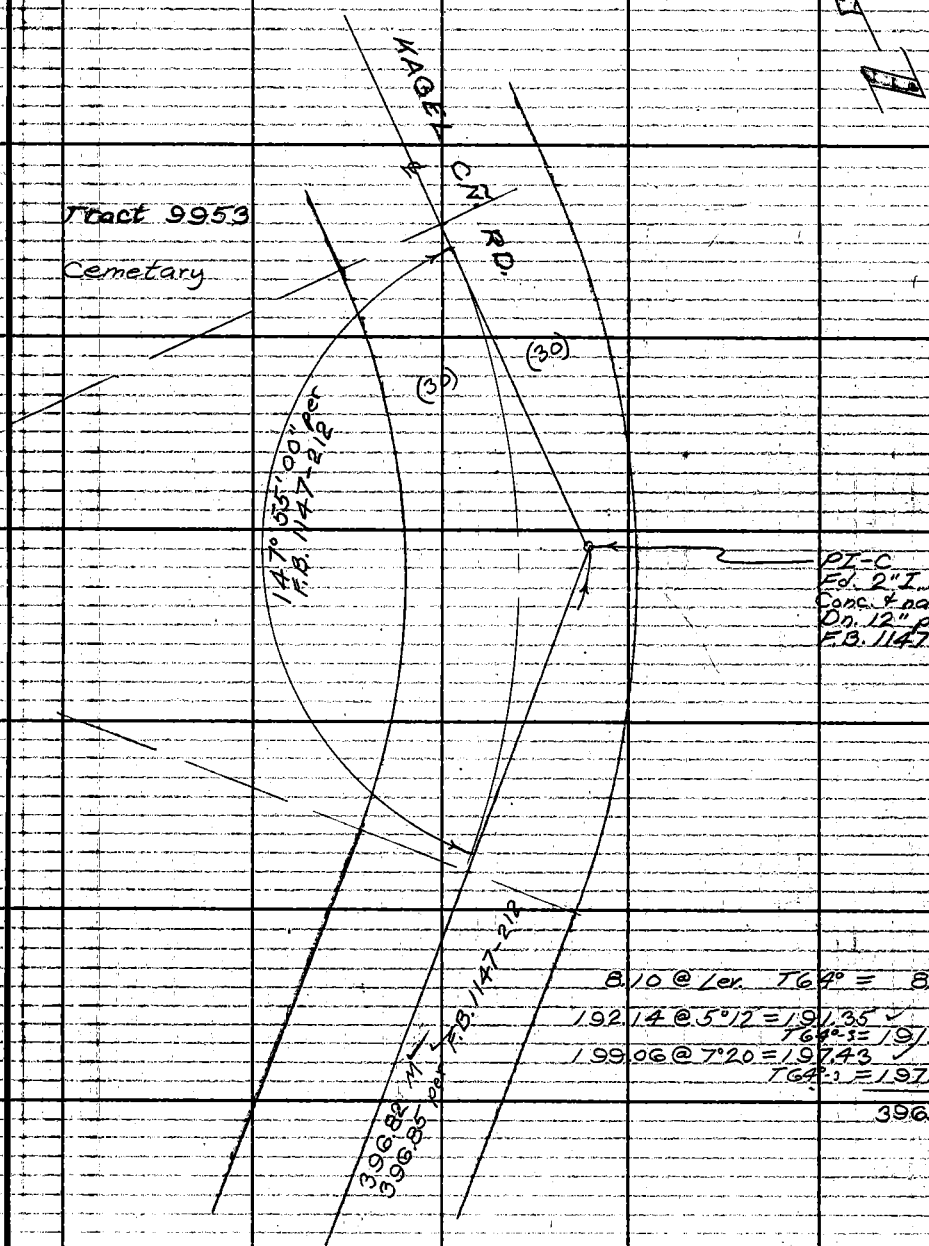
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Kagel Cn. Rd.
JN 0095.63 Tape 65 Std 84 °F
Surveyed by Crowe
Notes CVC Date 26 Aug 63
Indexed C. J. GALLI

F. B. 2967 PG. 21

Contd. F.B. 1147-212



8.10 @ 1er. T64° = 8.10
192.14 @ 5°12 = 191.35
T64° = 191.32
199.06 @ 7°20 = 197.43
T64° = 197.40
396.82

Contd. top Pg. 8

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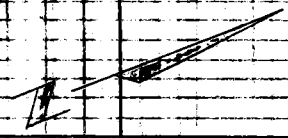
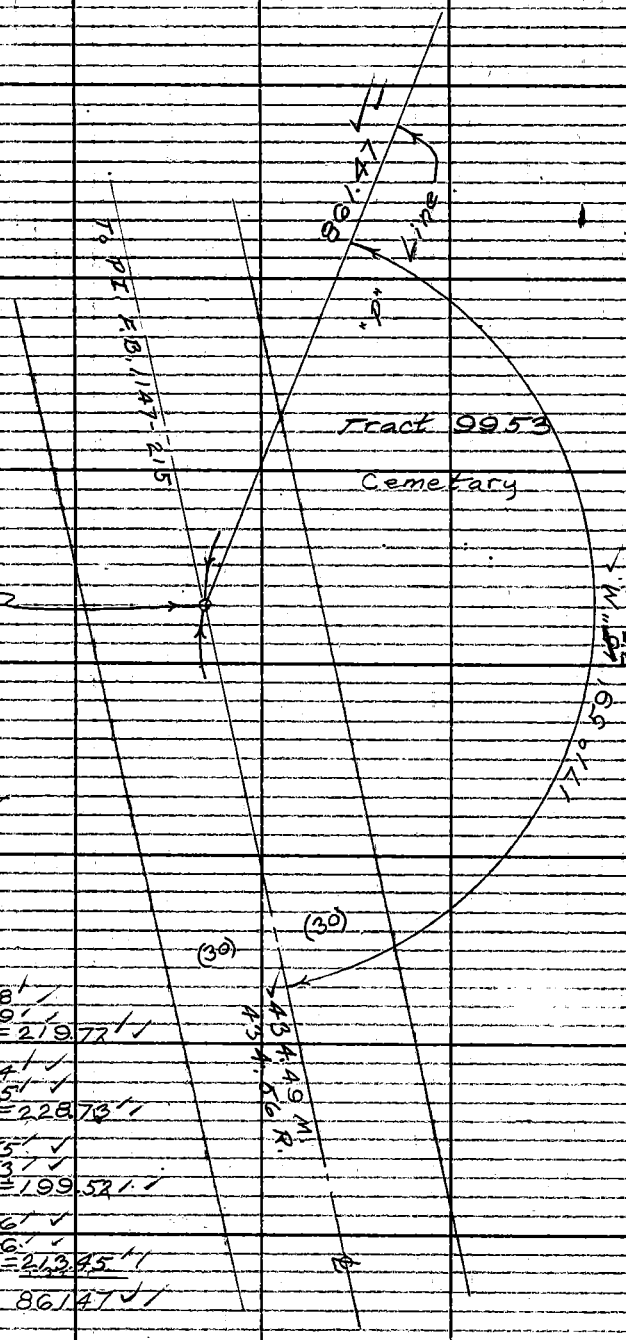
76F3095 CE # 310 3-61

Contd. Bot. Pg. 11





Tract 9953

Cemetary

4+34.49

P-2
Ed. Spk. & T. Pcmt.
Mkd. RE 2244 per
F.B. 1147-213

1 171 59 30
4 327 57 00
3 311 55 30
171 59 15 ✓ ✓

219.87 @ 1°39 = 219.78 ✓ ✓
219.93 @ 2°03 = 219.79 ✓ ✓
T 80° = 219.72 ✓ ✓

228.99 @ 2°40 = 228.74 ✓ ✓
229.08 @ 3°04 = 228.75 ✓ ✓
T 80° = 228.73 ✓ ✓

199.66 @ 1°54 = 199.55 ✓ ✓
199.60 @ 1°28 = 199.53 ✓ ✓
T 78° = 199.52 ✓ ✓

213.48 @ 0°49 = 213.46 ✓ ✓
213.51 @ 1°14 = 213.46 ✓ ✓
T 78° = 213.45 ✓ ✓
861.47 ✓ ✓

Contd. Lt. Pg. 8

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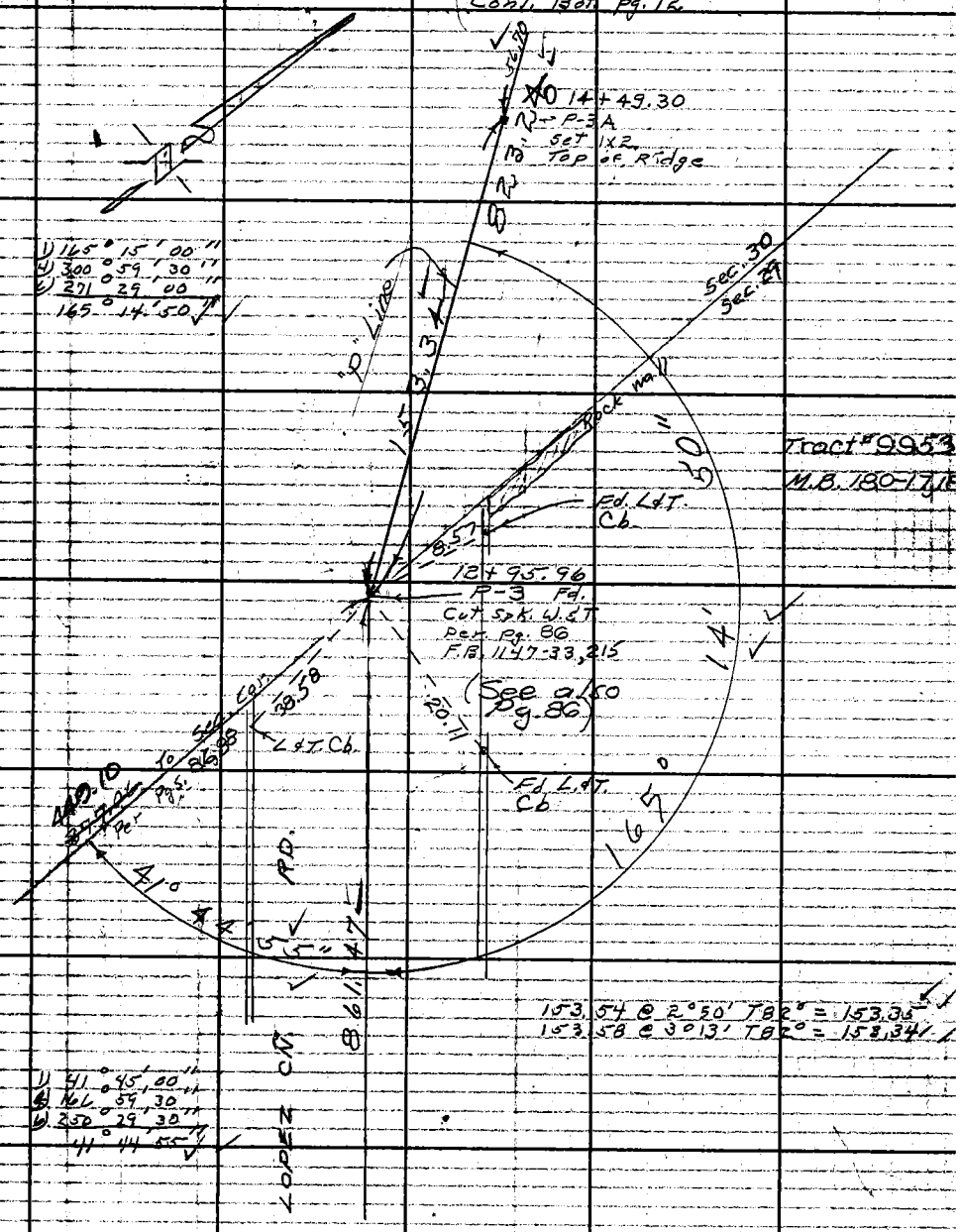
Notes Ck'd by	Survey of Kagel Cyn. Rd.
Map No.	JN 0095.63 Tape 65 Std 84 °F
Office Work	Surveyed by Newman
Checked	Notes Newman Date 8-26-63
Date	Indexed J. GALLI

F. B. 2967 PG.

Cont. Bot. pg. 12



Cont. Top pg. 10

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76F3095 CE # 310 3-61

Cont. Bat. Pg. 13

201.35 @ 5° 16' T 90° = 200.51
201.68 @ 6° 13' T 90° = 200.43 } 200.47
201.44 @ 5° 50' T 90° = 200.41

194.25 @ 7° 05' T 90° = 192.78
194.00 @ 6° 24' T 90° = 192.80

2.5+12.39
P-4B Set
Conc. N. in Prm't.

216.62 @ 5° 03' T 90° = 215.79
216.67 @ 5° 04' T 90° = 215.81

1) 176° 09' 00"
4) 340° 35' 00"
6) 330° 52' 00"
17° 08' 40"

23+19.61
P-4A Set
Conc. N. in Prm't.

21+19.20
P-4 Set
1x2 & N. Flush

20+19.48
P-3D Set
1x2 & N. West edge Draw

100.05 @ 4° 37' T 88° = 99.72 } 99.68
100.12 @ 5° 37' T 88° = 99.75

17+37.43
P-3C Set
1x2 & N. Top of Ridge

282.28 @ 2° 22' T 90° = 282.05
282.46 @ 2° 40' T 90° = 282.16 } 282.05
282.24 @ 2° 10' T 90° = 282.05

231.69 @ 2° 42' T 86° = 231.43
231.79 @ 3° 01' T 86° = 231.47 } 231.43
231.73 @ 2° 51' T 86° = 231.44

15+06.00
P-3B Set
1x2 & N. East edge Draw

57.09 @ 6° 36' T 84° = 56.71
57.33 @ 8° 29' T 84° = 56.70

Cont. Top Pg. 11

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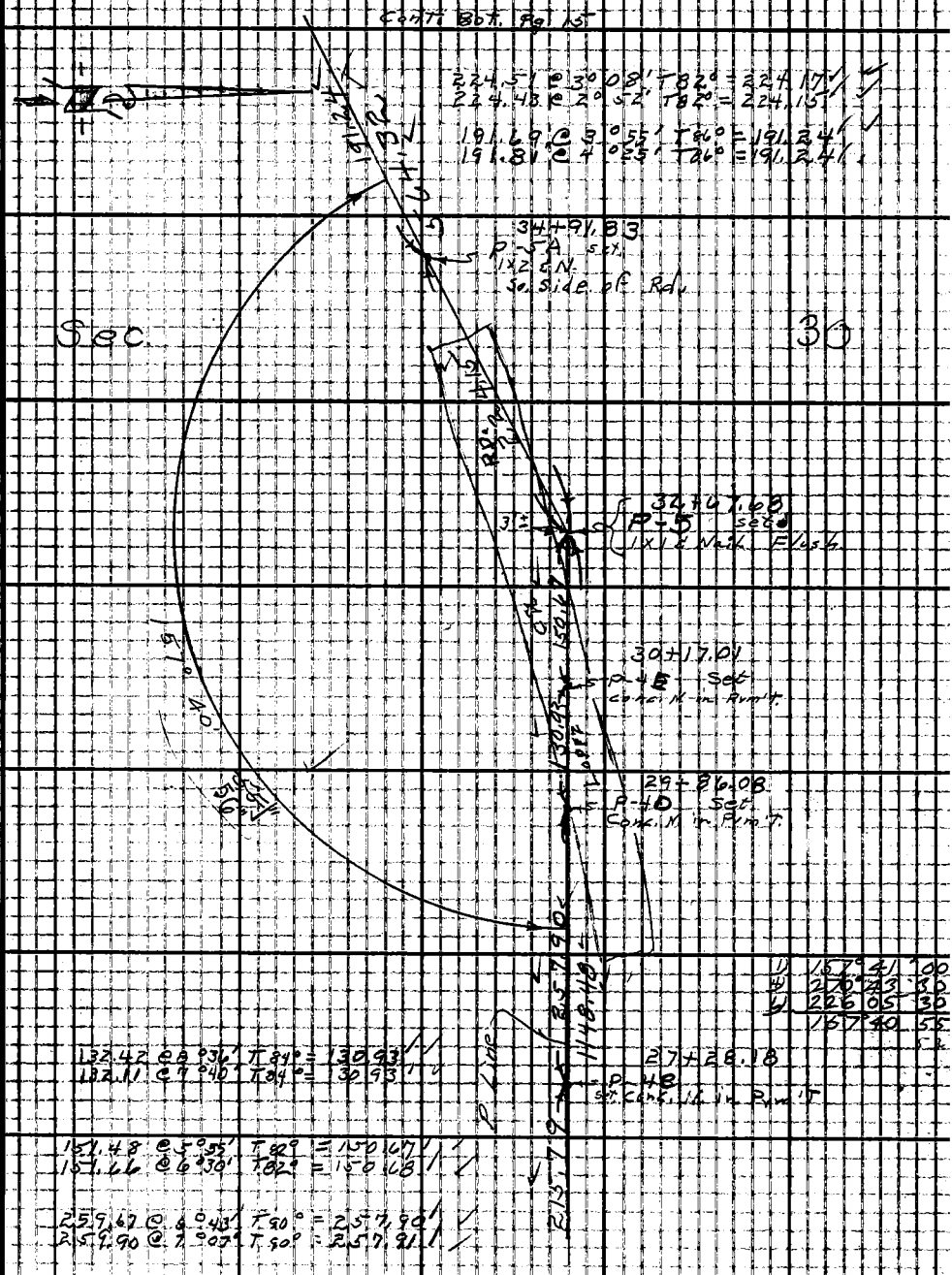
Notes Ck'd by	Survey of Kagel Cn Rd.
Map No.	JN 0095.63 Tape 65 Std 84 °F
Office Work	Surveyed by Newman
Checked	Notes Newman Date 8-26-63
Date	Indexed J. GALL

F.B. 2967 PG.

Cont. Bot. Pg. 15



Cont. Top Pg. 12

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76F309S CE #310 6-62

Notes Ck'd by	Survey of Kagel Cñ. Rd.
Map No.	JN 0095.63 Tape 144 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 20 Aug 63
Date	Indexed C. I. GALLI

F. B. 2967 PG. 15

Contd. Bot. Pg 16

273.86 @ 15°48 = 263.51

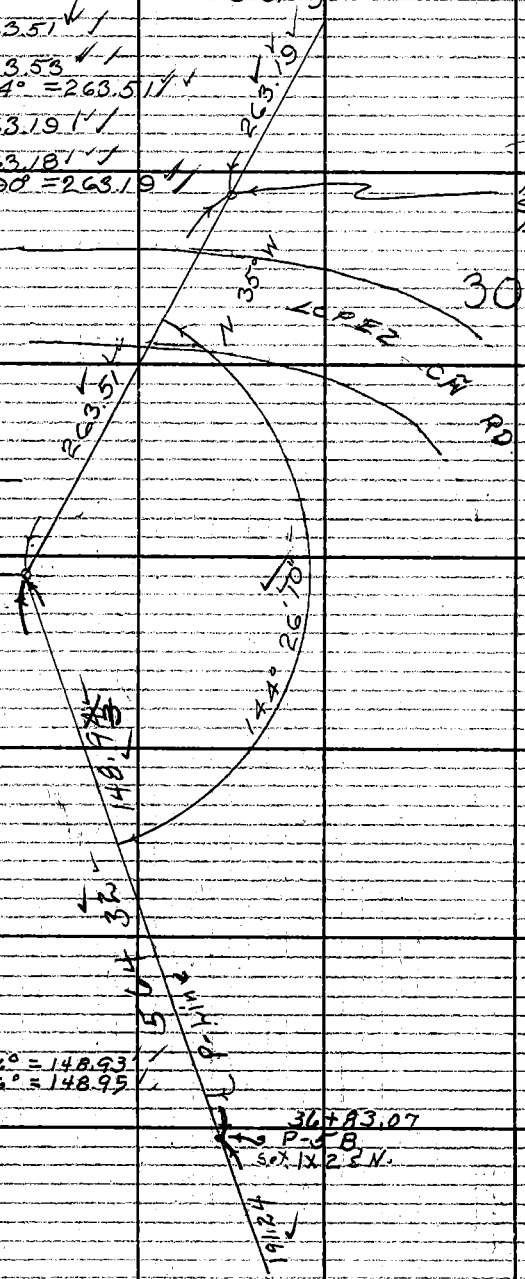
273.52 @ 15°32 = 263.53

T 84° = 263.51

275.66 @ 17°18 = 263.19

276.21 @ 17°40 = 263.18

T 90° = 263.19



1) 144 26 00
4) 217 44 30
6) 146 37 00
144 26 10
OS

38+32.00
P-6
Set 1X2 & N.
top of ridge
in saddle

149.58 @ 5°20' T 86° = 148.93

149.39 @ 4°25' T 86° = 148.95

Contd. top Pg 13

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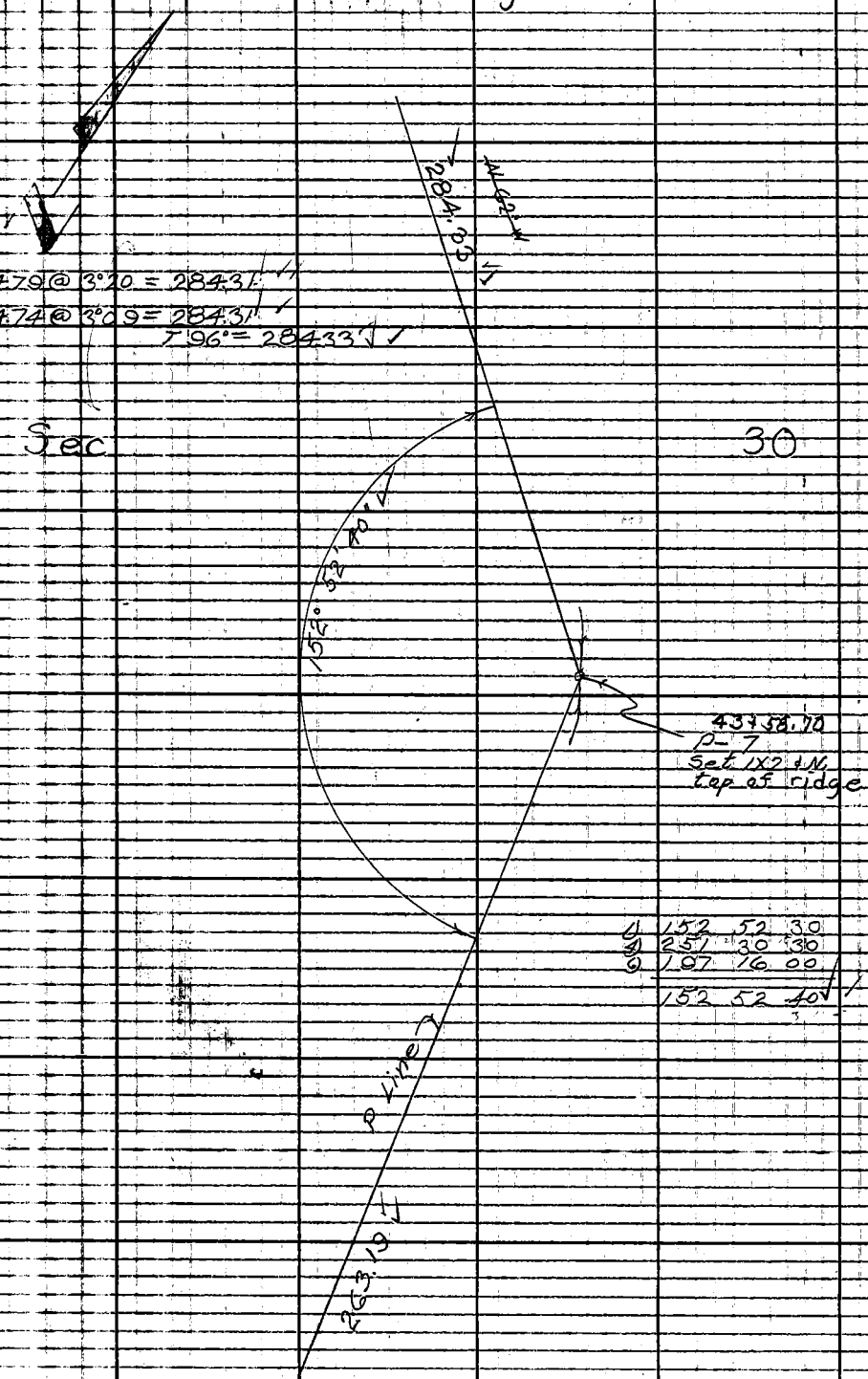
76F3095 CE # 310 3-61

F. B. 2967 Pg 16 Contd. Bot. Pg. 17



1	152	52	30
4	251	30	30
6	197	16	00
	152	52	40

Contd. top Pg. 15

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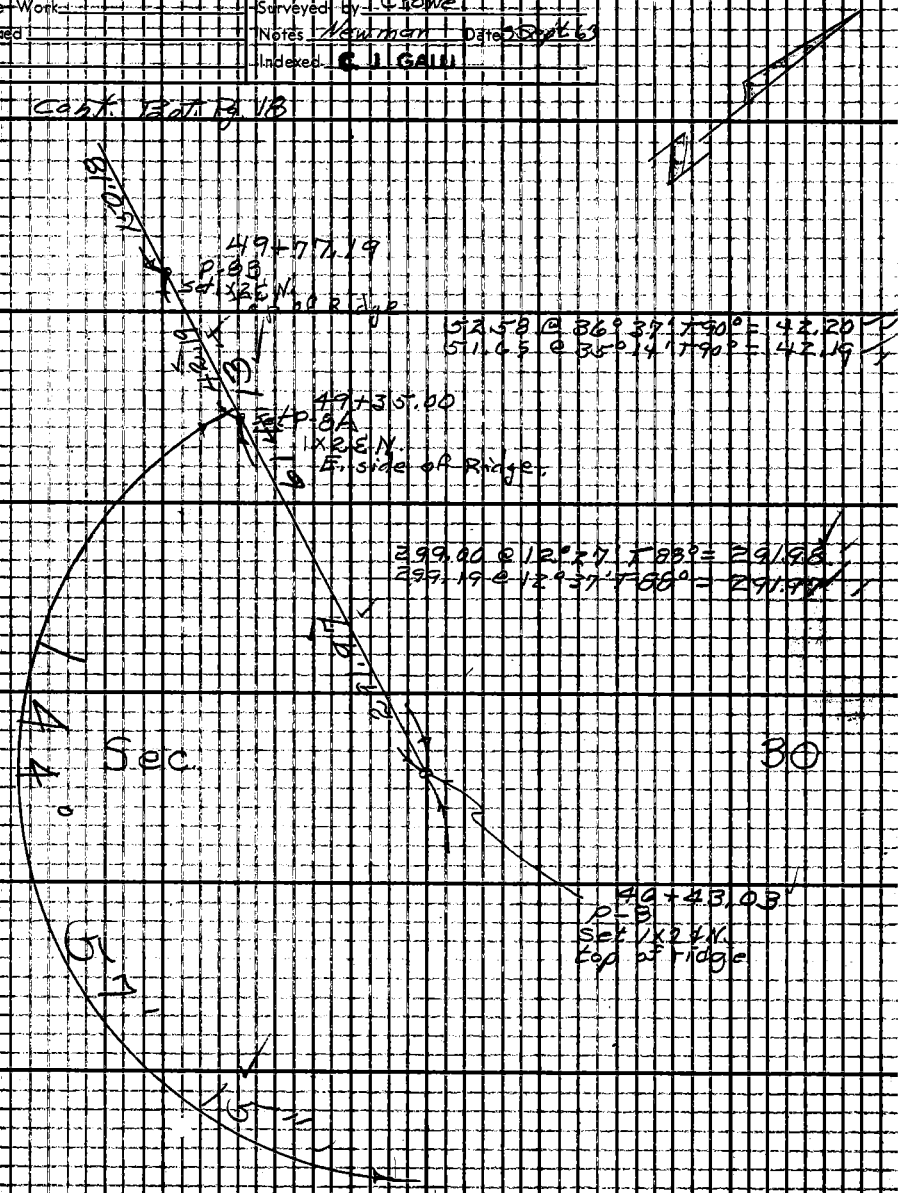
Notes Ck'd by	Survey of Kagel Cnt. Rd
Map No.	JN 0095.63 Tape Cos Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Newman Date 3 Sept 63
Date	Indexed C. J. GALLI

F. B. 2967 PG. 17

Cont. Bot. Pg. 18



1) 144° 57' 30"
4) 219° 49' 00"
6) 149° 43' 30"
144° 57' 15"

284.33

Contd. top Pg. 16

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76F309S CE #310 6-62

F. B. 2961 PG. 18

Cont. Bot. pg. 19

Sec. 30

55+65.82
P-9B
Set 1x2 ℄ N.
Side Hill

243.24 @ 6°45' T 92° = 241.56
243.49 @ 7°15' T 92° = 241.55

53+24.26
P-9A
Set 1x2 ℄ N.
W. edge
Firebreak

67.10 Level T 90° = 67.10
67.48 @ 6°03' T 90° = 67.10

52+57.16
P-9
Set 1x2 ℄ N.
E. edge Firebreak

130.42 @ 5°38' T 90° = 129.80
130.26 @ 4°54' T 90° = 129.79

1) 159°29'40"
4) 277°56'30"
6) 236°54'30"
159°29'05"

51+27.37
P-8C
Set 1x2 ℄ N.
Top of Ridge

150.97 @ 5°55' T 90° = 150.18
150.87 @ 5°30' T 90° = 150.19

Cont. Top pg. 17

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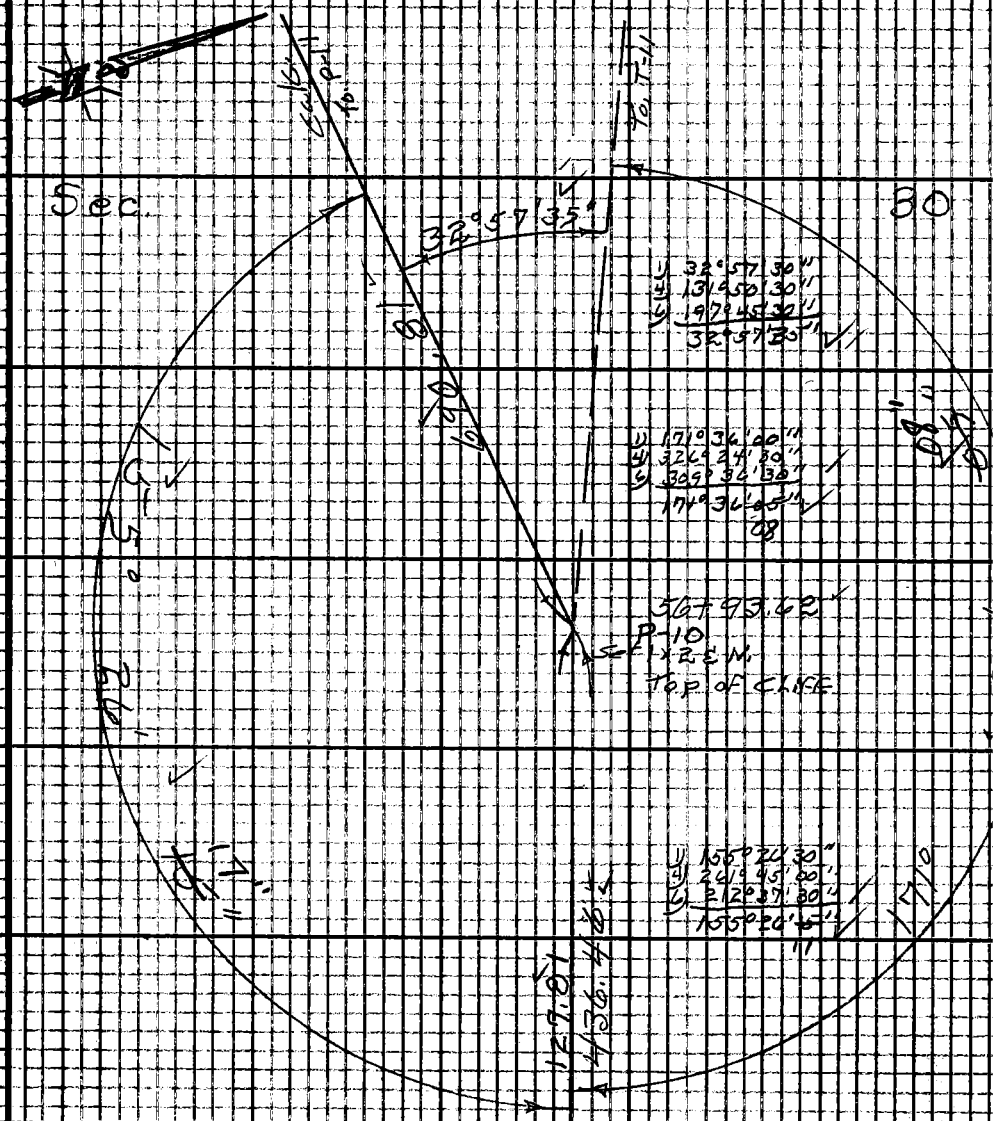
Map No.	JN 0095.63 Tape 65 Std 84 °F
Officer Work	Surveyed by Newman
Checked	Notes Newman Date 9-3-63
Date	Indexed C. J. Galli

F. B. 2967 PG.

Cont. Top Right pg. 20



127.91 @ 2°4' T 68° = 127.82
127.85 @ 1°13' T 68° = 127.81
(127.86)

Cont. Top pg. 18

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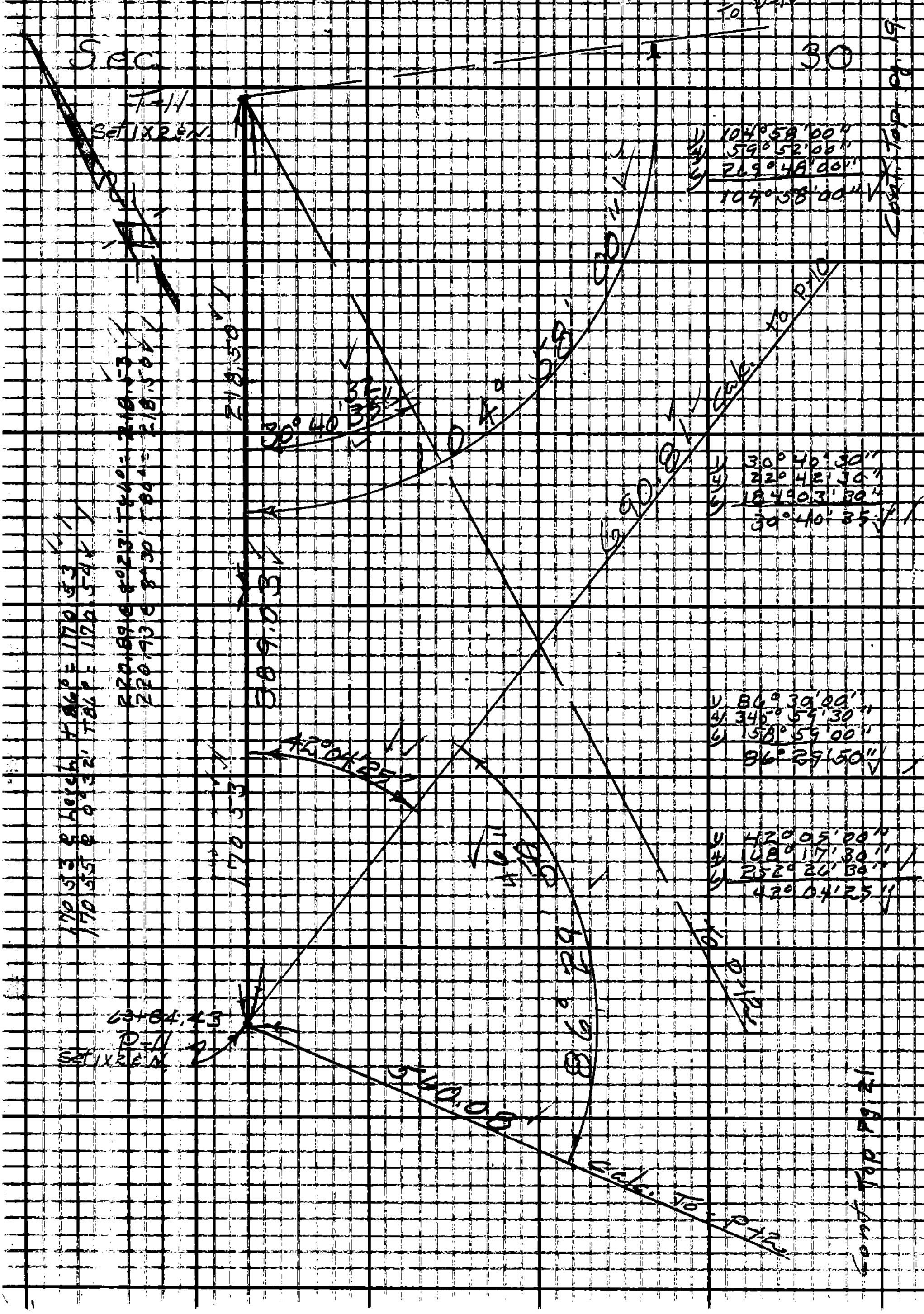
76F309S CE #310 6-62

F.B. 29401 PG. 20



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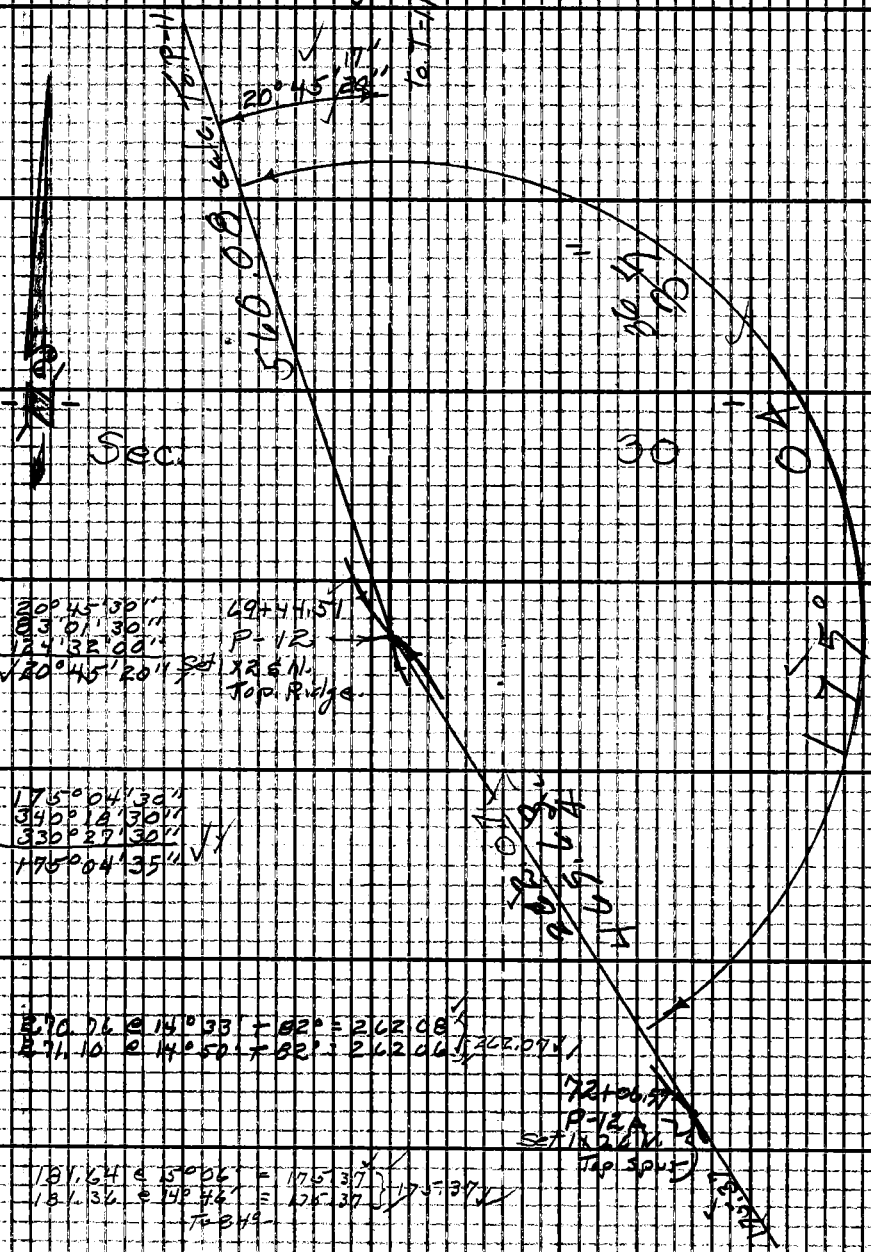
Notes Ck'd by	Survey of Kiagel Cr Rd.
Map No.	JN 008563 Tape 65 Std 84 °F
Office Work	Surveyed by Newman
Checked	Notes Newman Date 9-5-63
Date	Indexed J. GALLI

F.B. 2967 PG. 21

Cont. Bot. Pt. Pg 20



1) 20°45'30"
4) 83°01'30"
6) 124°32'00"
20°45'20" Set 1x2 S.N. Top Ridge

69+44.51
P-12

1) 175°04'30"
4) 340°18'30"
6) 330°27'30"
175°04'35"

270.76 @ 14°33' + 82° = 262.08
271.10 @ 14°50' + 82° = 262.06 } 262.07

72+06.57
P-12A
Set 1x2 S.N. Top Spur

181.64 @ 15°06' = 175.37
181.36 @ 14°46' = 175.37 } 175.37
To 84°

Cont. Top Pg. 22

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76F309S CE #310 6-62

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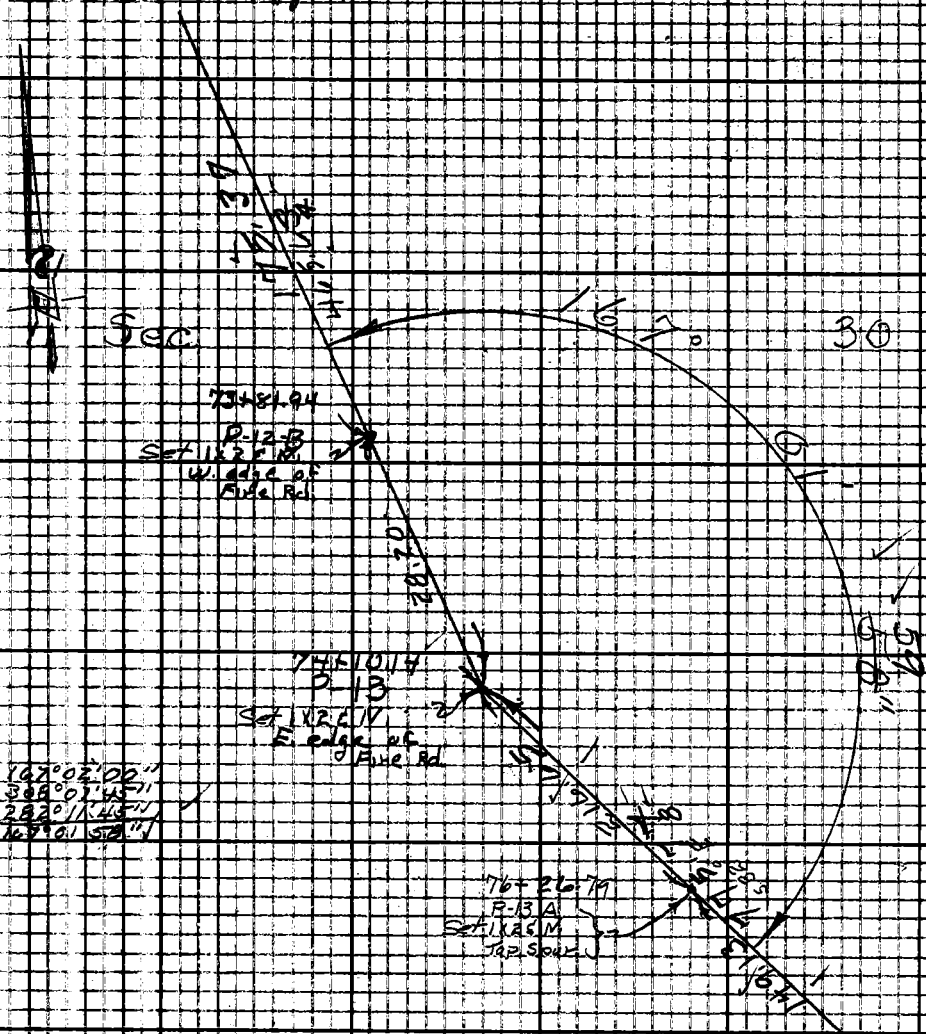

1) 167°02'00"
4) 308°07'45"
6) 282°11'45"
167°01'58"

231.28 @ 20°30' T 96° = 216.65
230.76 @ 20°09' T 96° = 216.66

149.72 @ 5°08' T 93° = 149.13
149.94 @ 5°59' T 93° = 149.13

Cont. Top pg. 23

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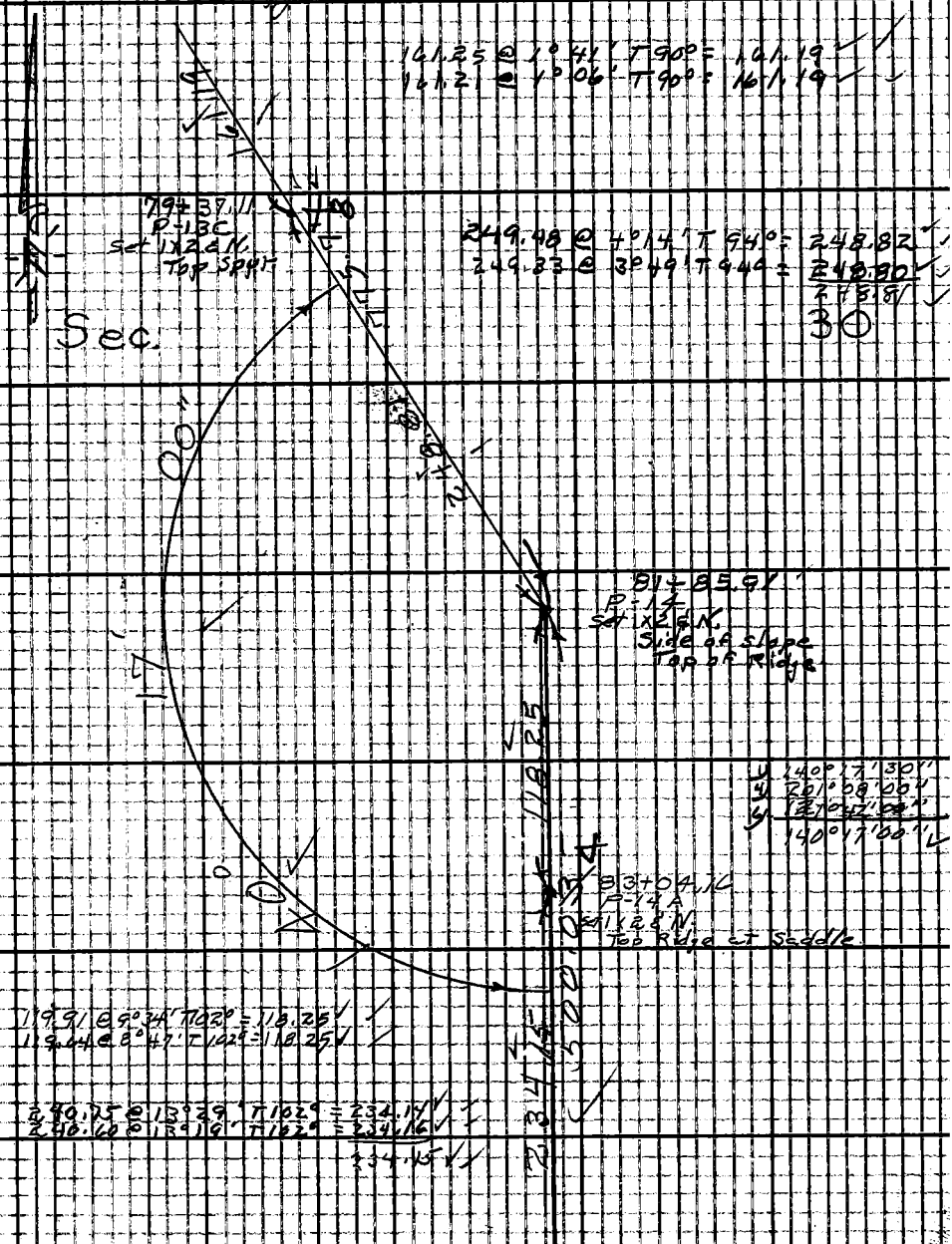
Notes Ck'd by	Survey of Kagel Cr. Rd	F.B. 2967 PG. 23
Map No.	JN 0095.63 Tape 65 Std 84 °F	
Office Work	Surveyed by Newman	
Checked	Notes Newman Date 9-6-63	
Date	Indexed J. GALLI	

Cont. Bot. pg. 22



Cont. Top pg. 24

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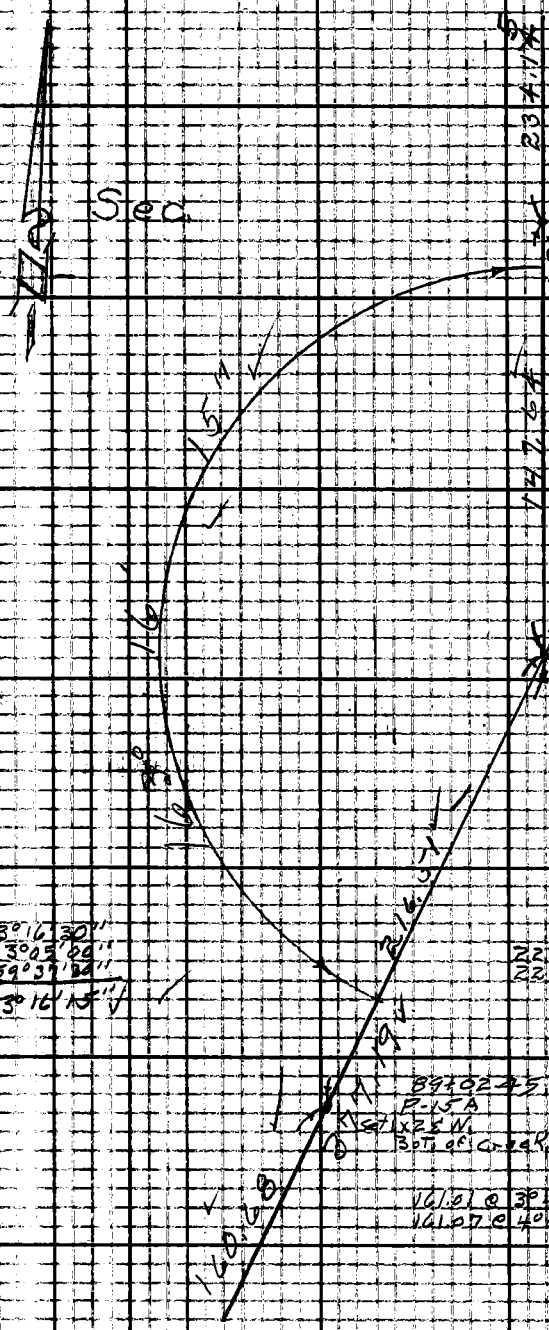
76F309S CE #310 6-62

Cont. Bot. Pg. 23



Cont. Top. Pg. 25

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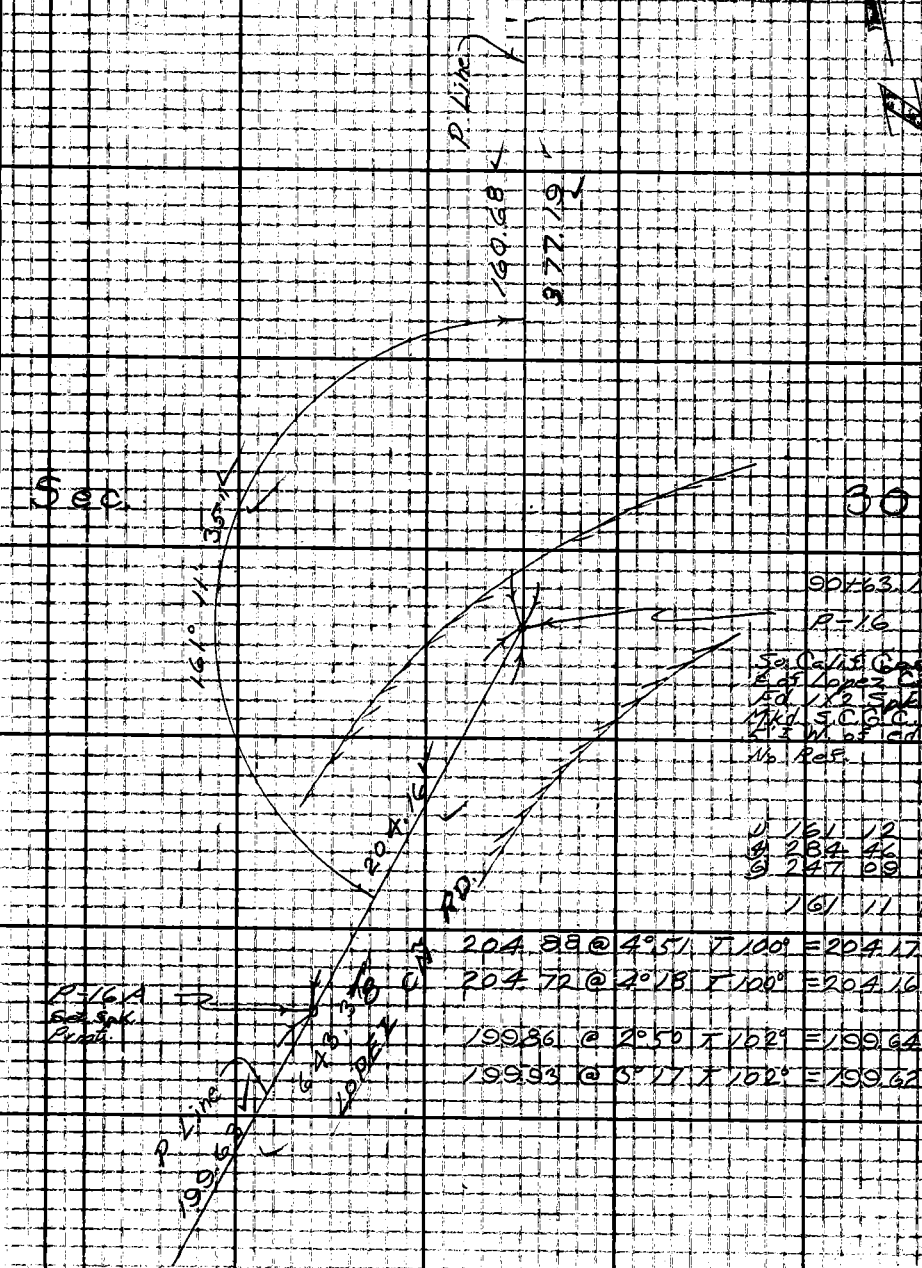
Notes Ck'd by	Survey of Lopez Cñ. Rd.
Map No.	JN 0095.64 Tape 65 Std 84 °F
Office Work	Surveyed by Newman
Checked	Notes Newman Date 9-11-63
Date	Indexed C. J. GALLI

F.B. 2967 PG.

Contd Bot. Pg. 24



1)	161	12	00
4)	284	46	00
5)	247	09	30
	161	11	35

204.88 @ 4°51' T 100° = 204.17 ✓

204.72 @ 4°18' T 100° = 204.16 ✓

199.86 @ 2°50' T 102° = 199.64 ✓

199.93 @ 3°17' T 102° = 199.62 ✓

Contd top Pg 26

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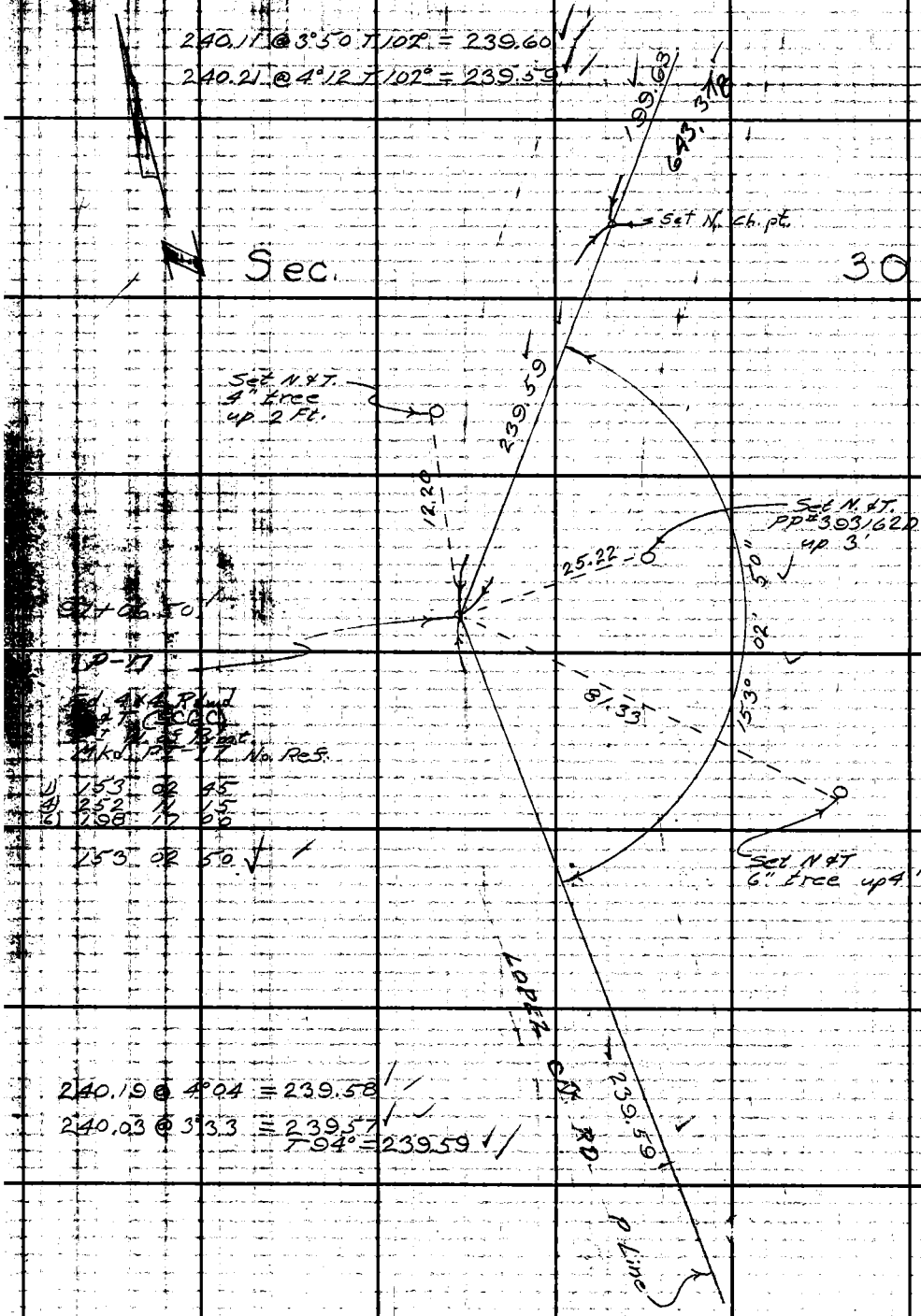
76F309S CE #310 6-62

Contd. Bot. Pg 25

240.11 @ 3°50 T 102° = 239.60

240.21 @ 4°12 T 102° = 239.59



Fd. 4x4 Rdwd
N & T (SCGC)
Set N. of Brmt.
Mkd. PT-17 No. Ref.

1)	153	02	45
4)	252	N	15
6)	198	17	00

153 02 50

240.19 @ 4°04 = 239.58

240.03 @ 3°33 = 239.57

T 94° = 239.59

Contd. top Pg 27

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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275.52

Notes Ck'd by	Survey of Lopez Cñ Rd
Map No.	JN 0095.64 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 16 Sept 63
Date	Indexed J. GALLI

F.B. 2967 Pg.

Contd. Bot. Pg 26

534.95 @ Lev. T 94° = 534.98
28.22 @ Lev. T 106° = 28.22
217.02 @ 3°19 = 216.66
T 108° = 216.69
0.32 @ Lev. T 108° = 0.32
245.23

Sec.

104+81.07
P-18
Fd. 1X2 N & T.
SCGC Mkd. PI-16
No Ref.

1)	68	40	00
4)	274	40	00
6)	52	00	30
	68	40	05

1)	169	37	30
4)	318	30	15
6)	297	45	30
	169	37	35

1)	68	42	15
4)	274	47	45
6)	52	12	00
	68	42	00

Contd. top Pg. 78

Sec. 31

Contd. top Pg. 28

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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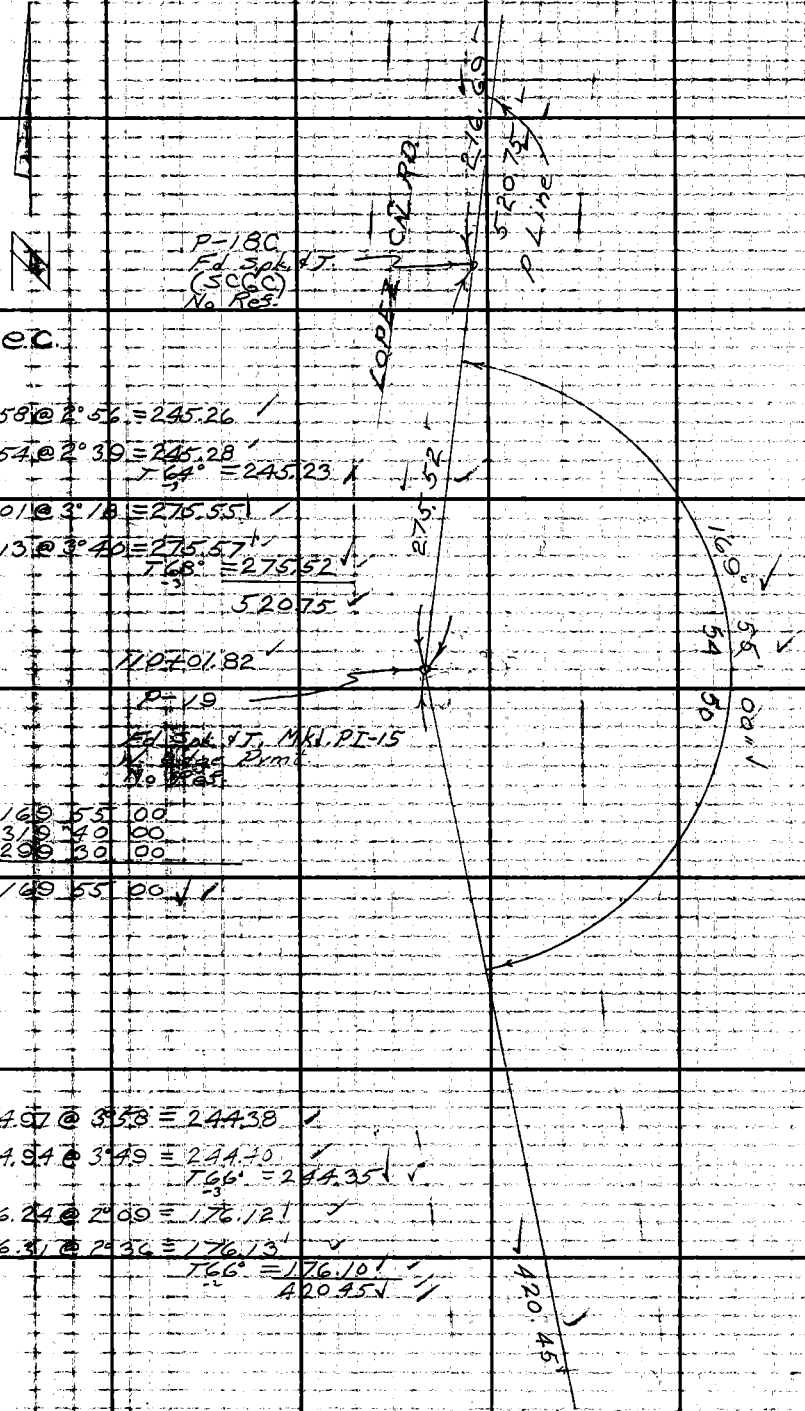
403 LOS ANGELES COUNTY ENGINEERING BLDG.
W.S. 53 D-1
76F309S CE #310 6-62

Contd. Bot. Pg. 27



Sec. 31

245.58 @ 2° 56 = 245.26

245.54 @ 2° 39 = 245.28

T 64° = 245.23

276.01 @ 3° 18 = 275.55

276.13 @ 3° 40 = 275.57

T 68° = 275.52

520.75

110+01.82

P-19

Fd Spk. & T. Mkd. PI-15

W. Edge Pvmt

No Res.

1	169	55	00
4	319	40	00
6	299	30	00
	169	55	00

244.97 @ 3° 58 = 244.38

244.94 @ 3° 49 = 244.40

T 66° = 244.35

176.24 @ 2° 09 = 176.12

176.31 @ 2° 36 = 176.13

T 66° = 176.10

420.45

Contd. top Pg. 29

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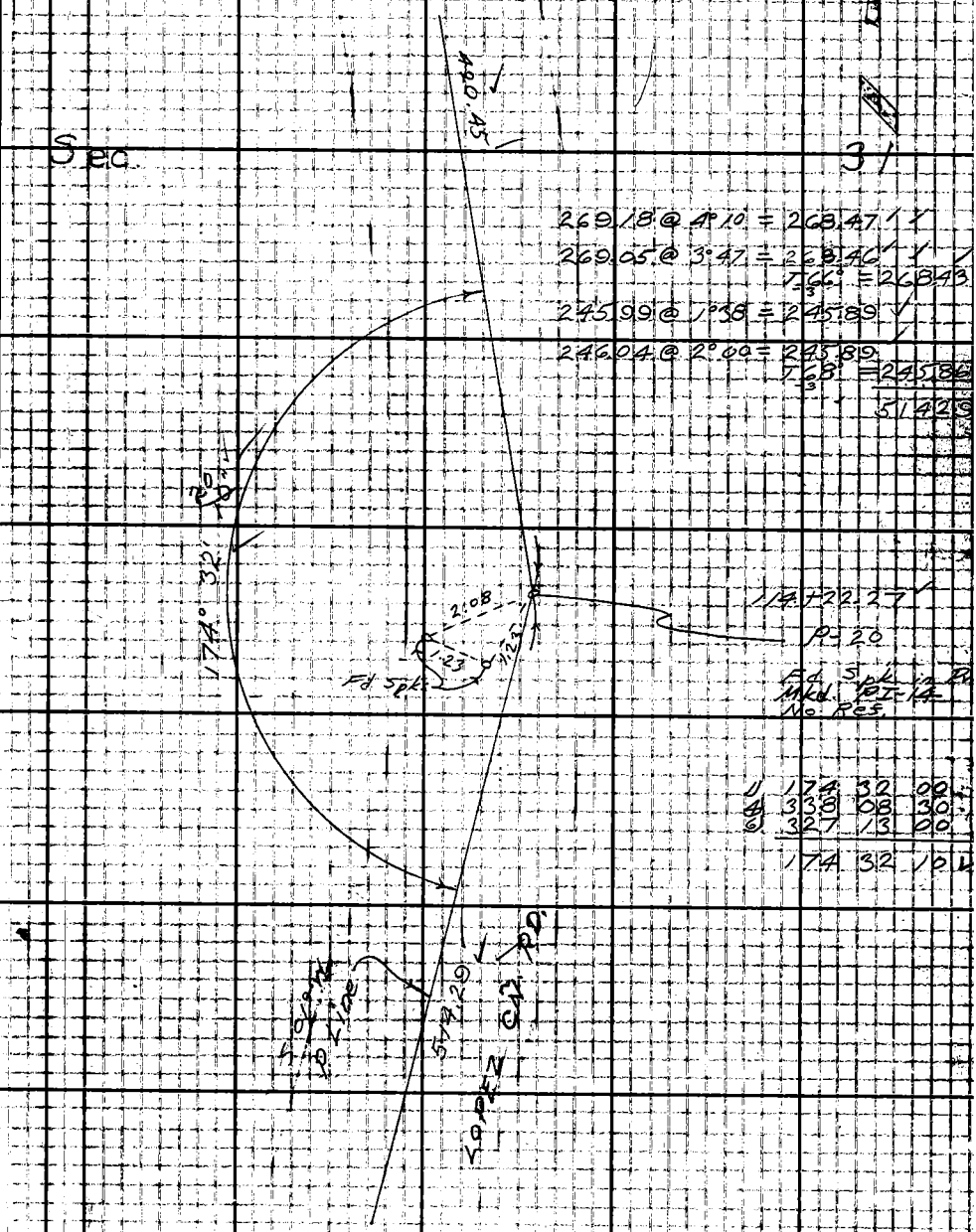
Notes Ck'd by	Survey of Lopez Cñ. Rd.
Map No.	JN 0095.64 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 16 Sep 63
Date	Indexed C. J. GALLI

F.B. 2967 PG. 2[illegible]

Contd. Bot. Pg 28



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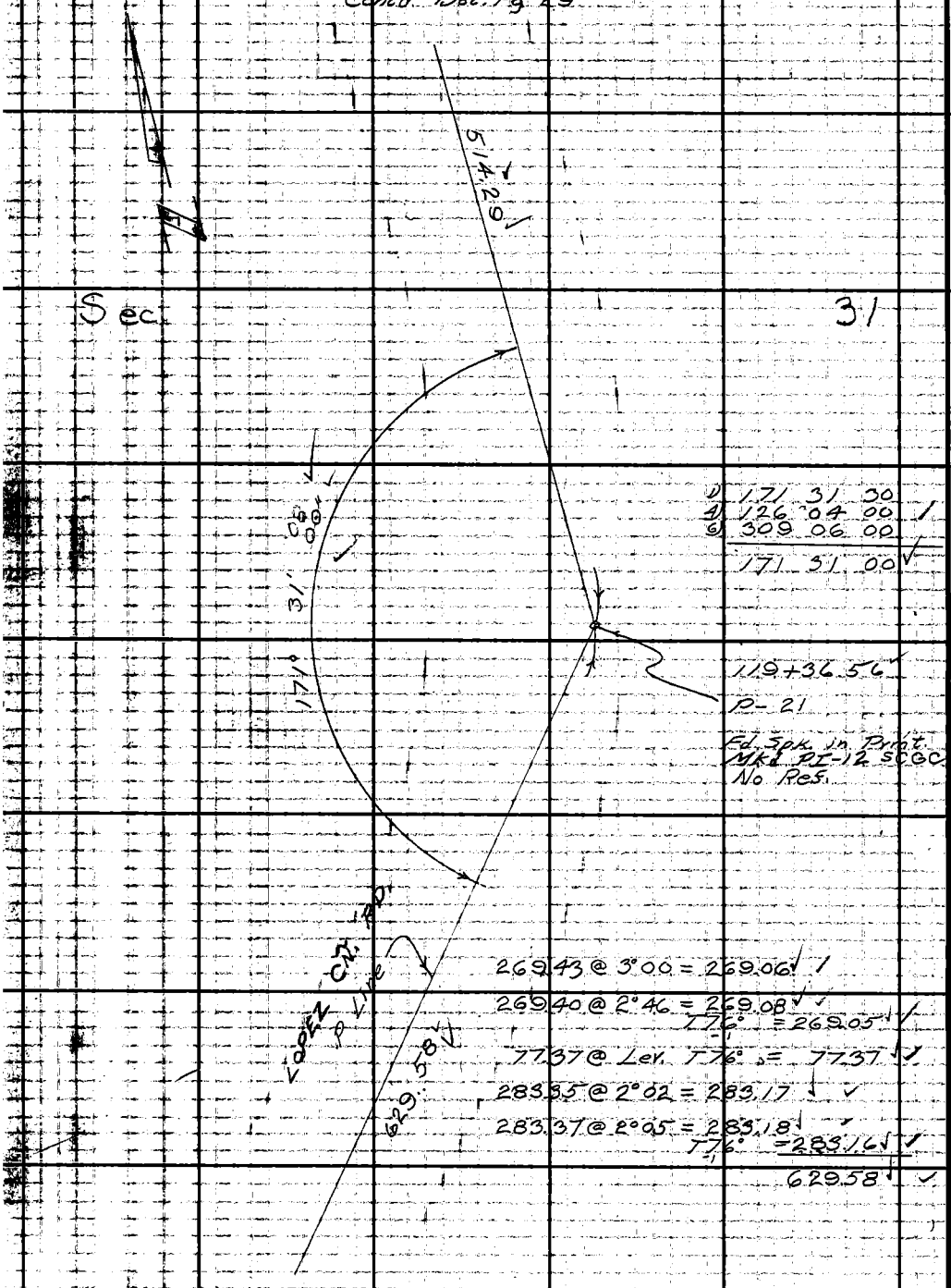
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

Contd. Bot. Pg. 29



1) 171 31 30
4) 126 04 00
6) 309 06 00
171 31 00

119+36.56

P-21

Fd. Spk. in Prmt.
Mkd PI-12 SCGC
No Res.

269.43 @ 3°00 = 269.06
269.40 @ 2°46 = 269.08
T76° = 269.05
77.37 @ Lev. T76° = 77.37
283.35 @ 2°02 = 283.17
283.37 @ 2°05 = 283.18
T76° = 283.16
629.58

Contd. top Pg. 31

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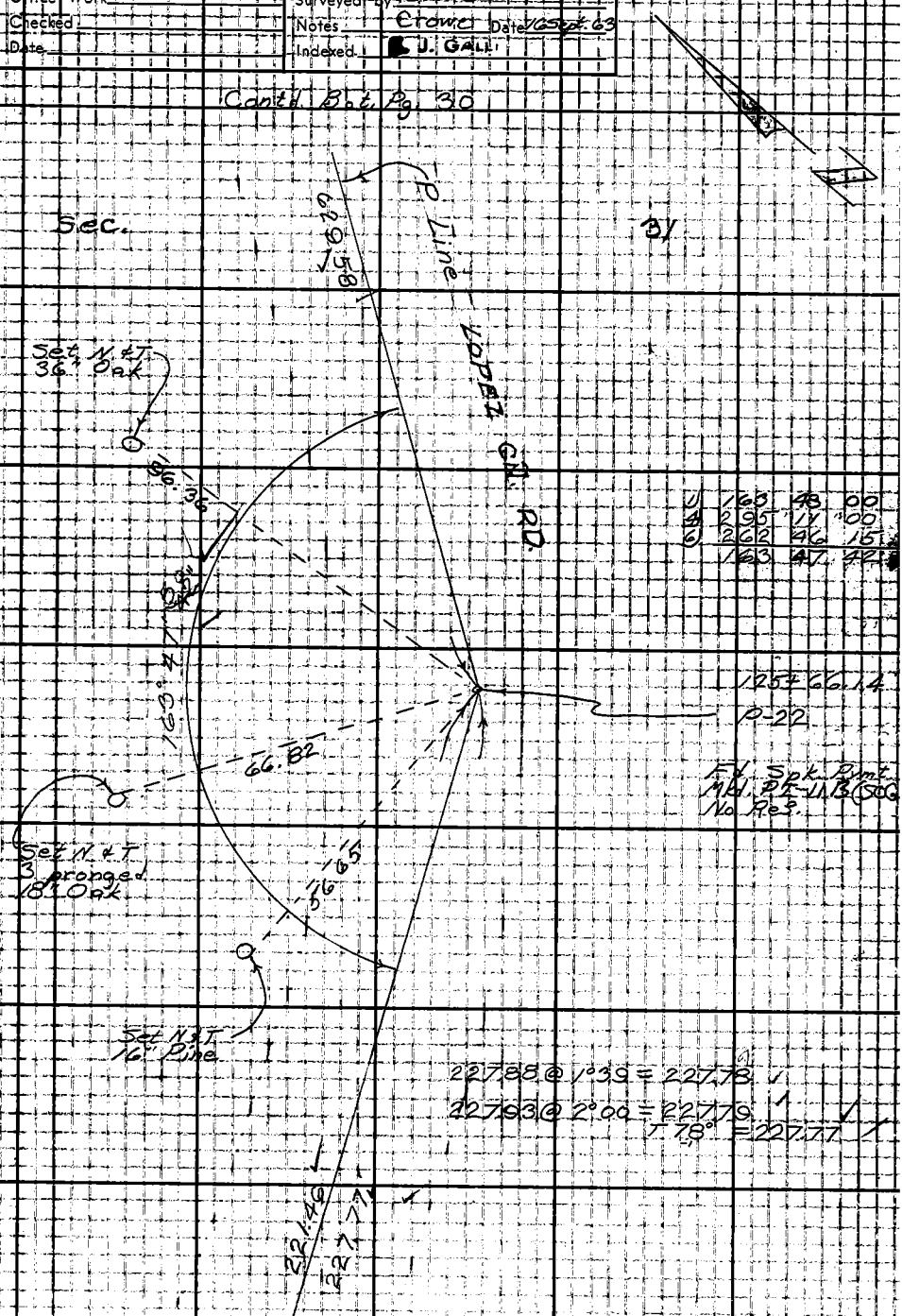
Notes Ck'd by	Survey of Lopez Cn. Rd
Map No.	JN 0095.64 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 16 Sept. 63
Date	Indexed J. GALL

F.B. 2967 PG.

Contd. Bot. Pg. 30



1	163	48	00
4	295	11	00
6	262	46	15
	163	47	42

227.88 @ 1°39 = 227.78
227.93 @ 2°00 = 227.79
T 78° = 227.77

Contd top Pg. 32

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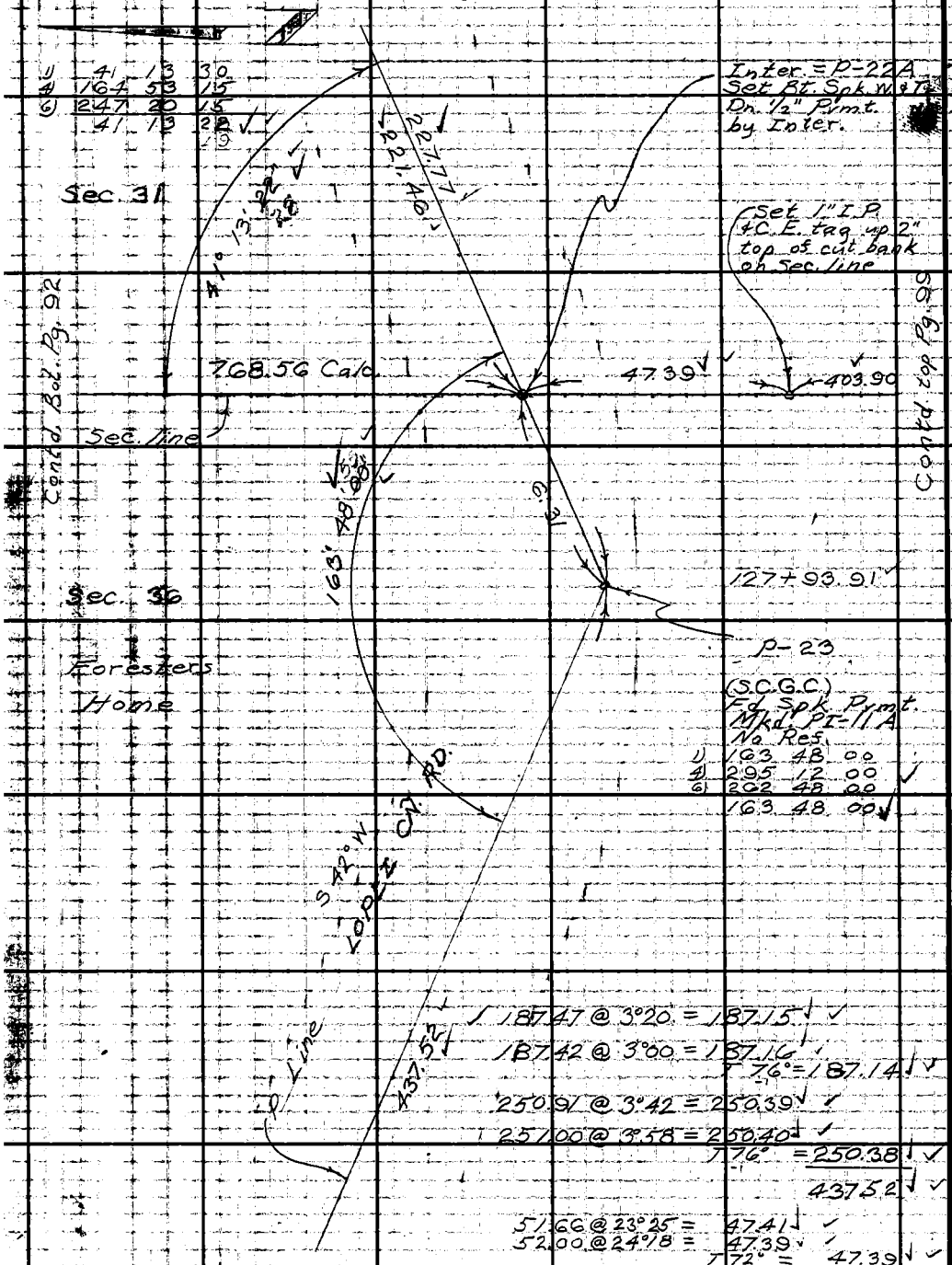
Do not extend this side of this line

76F309S CE #310 6-62

F.B. 907 Pg 32

Contd Bot. Pg 31

1)	41	13	30
4)	164	53	15
6)	247	20	15
	41	13	22



187.47 @ 3°20 = 187.15

187.42 @ 3°00 = 187.16

T 76° = 187.14

250.91 @ 3°42 = 250.39

251.00 @ 3°58 = 250.40

T 76° = 250.38

437.52

51.66 @ 23°25 = 47.41

52.00 @ 24°18 = 47.39

T 72° = 47.39

221.48 @ Lev. T 70° = 221.46

Contd top Pg 33

W.S. 53, D-2

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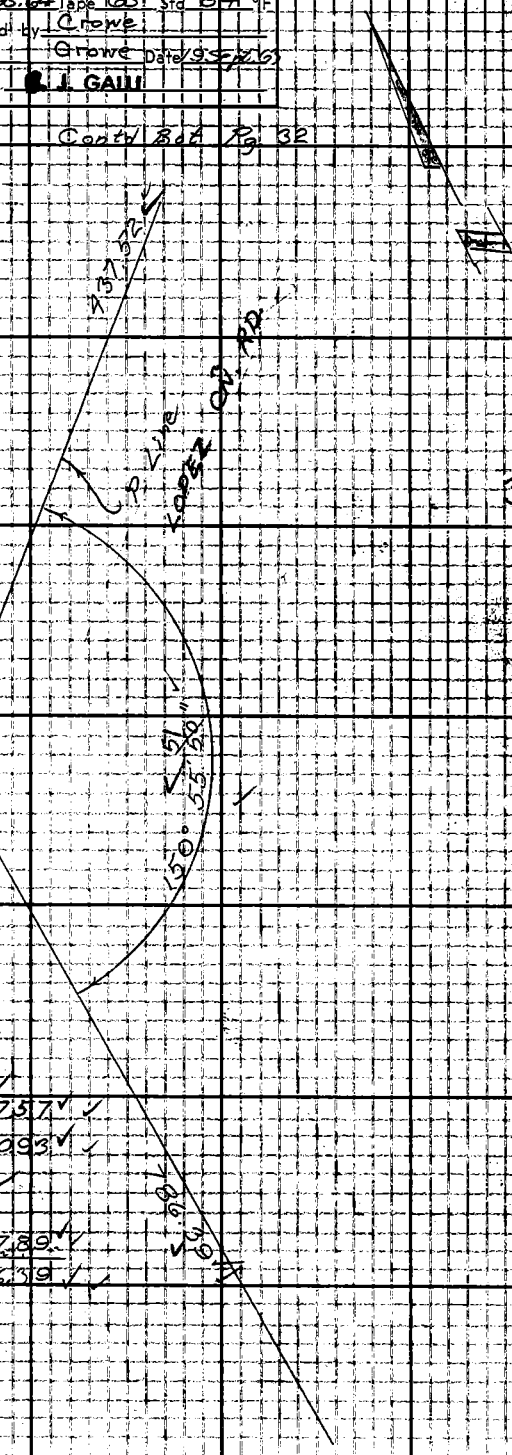
Notes Ck'd by	Survey of Lopez Cñ. Rd.
Map No.	JN 0095.64 Tape 65 Std. 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 19 Sept. 63
Date	Indexed J. GALLI

F.B. 2967 PG. 33

Contd Bot Pg 32



Sec. 36

1) 150 56 00
4) 243 43 15
5) 185 35 00
150 55 50

132+31.43

P-24

Fd. 2X2 d N
Slope of fill
Mkd. PT-10 SCGC
No Ref.

247.95 @ 3°02 = 247.60
247.88 @ 2°44 = 247.60
T68° -3 = 247.57
290.96 @ Lev. T68° = 290.93
248.14 @ 2°24 = 247.92
248.21 @ 2°41 = 247.94
T68° -3 = 247.89
786.39

Contd top Pg 34

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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PLEASE RETURN TO
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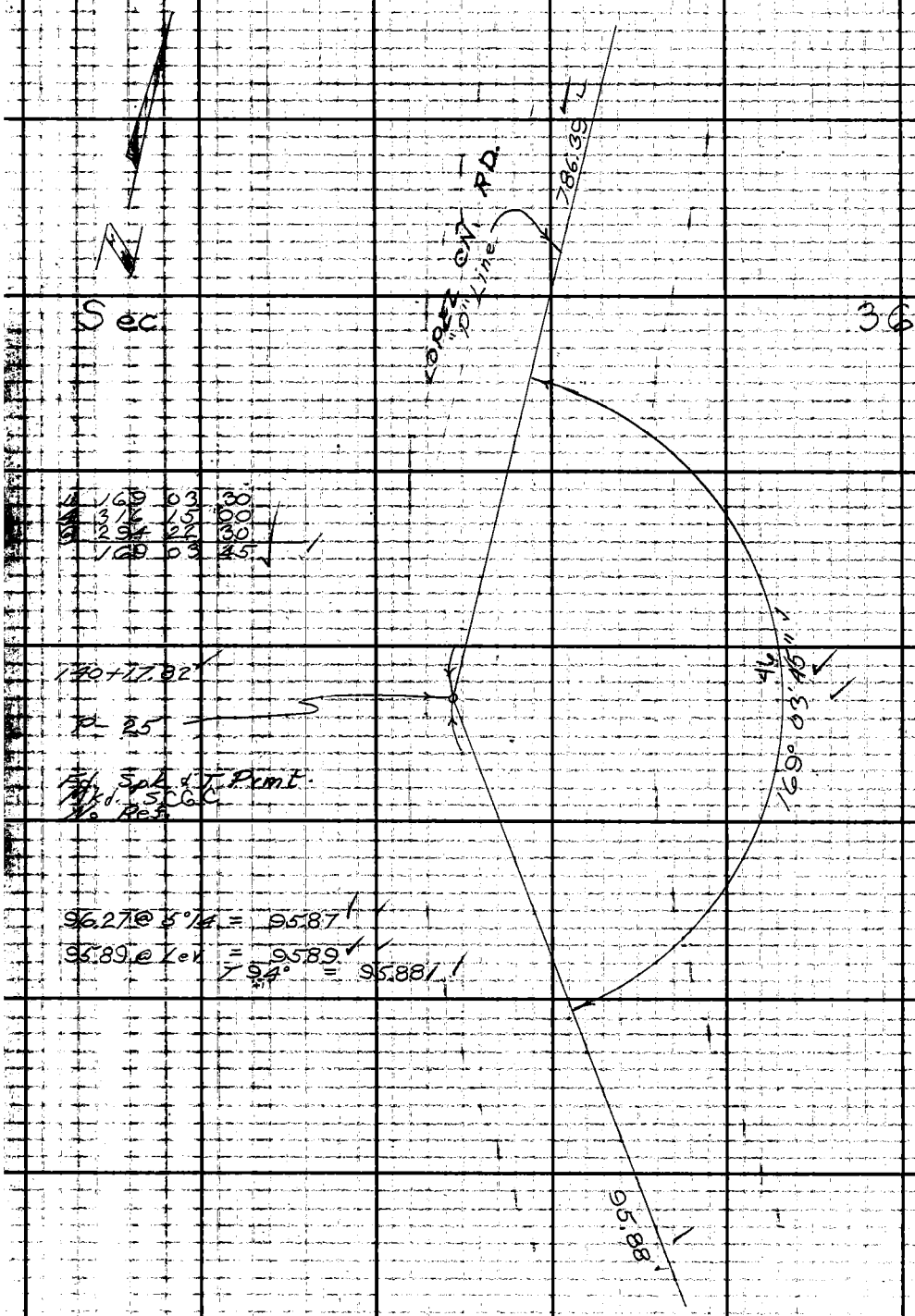
76F3095 CE #310 6-62

F. B. 2967 Pg. 34

Contd. Bot. Pg. 33



1	169	03	30
4	316	15	00
9	294	22	30
	169	03	45

140+17.82

P-25

Fd. Spk. & T. Pmt.
Mkd. SCGC
No. Ref.

96.27 @ 5°14 = 95.87

95.89 @ Lev. = 95.89

T 94° = 95.881

Contd. top Pg. 35

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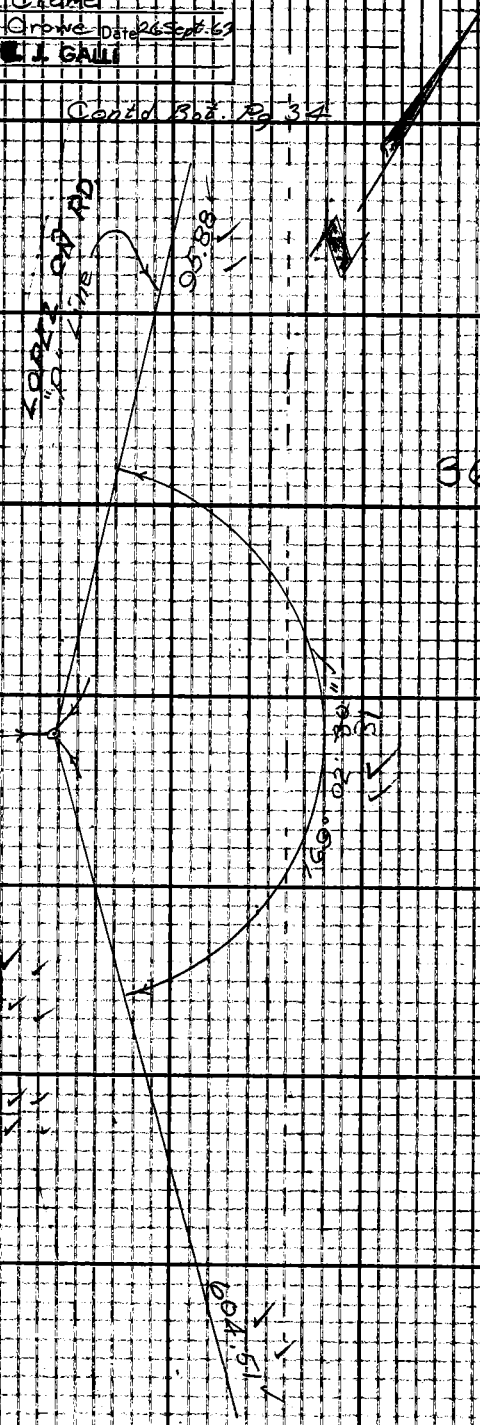
Notes Ck'd by	Survey of Lopez Cñ Rd
Map No.	JN 0095.64 Tape 65 Sta 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 26 Sept. 63
Date	Indexed J. GALLI

F.B. 2967 PG. 36

Contd Bot. Pg 34



Sec 36

1) 169 02 30
4) 316 10 15
6) 294 15 00
169 02 30 ✓ ✓

141 + 13.70 ✓

P-26

Fd. Spk. & T. Pvmt.
Mkd. SCGC
No Ref.

262.26 @ 2°56 = 261.92 ✓
262.25 @ 2°50 = 261.93 ✓
T 100° = 261.96 ✓ ✓
134.98 @ Lev T 100° = 134.99 ✓ ✓
207.56 @ 0°52 = 207.54 ✓ ✓
207.65 @ 1°42 = 207.56 ✓ ✓
T 100° = 207.56 ✓ ✓
604.51 ✓ ✓

Contd top Pg 36

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LOS ANGELES COUNTY ENGINEER
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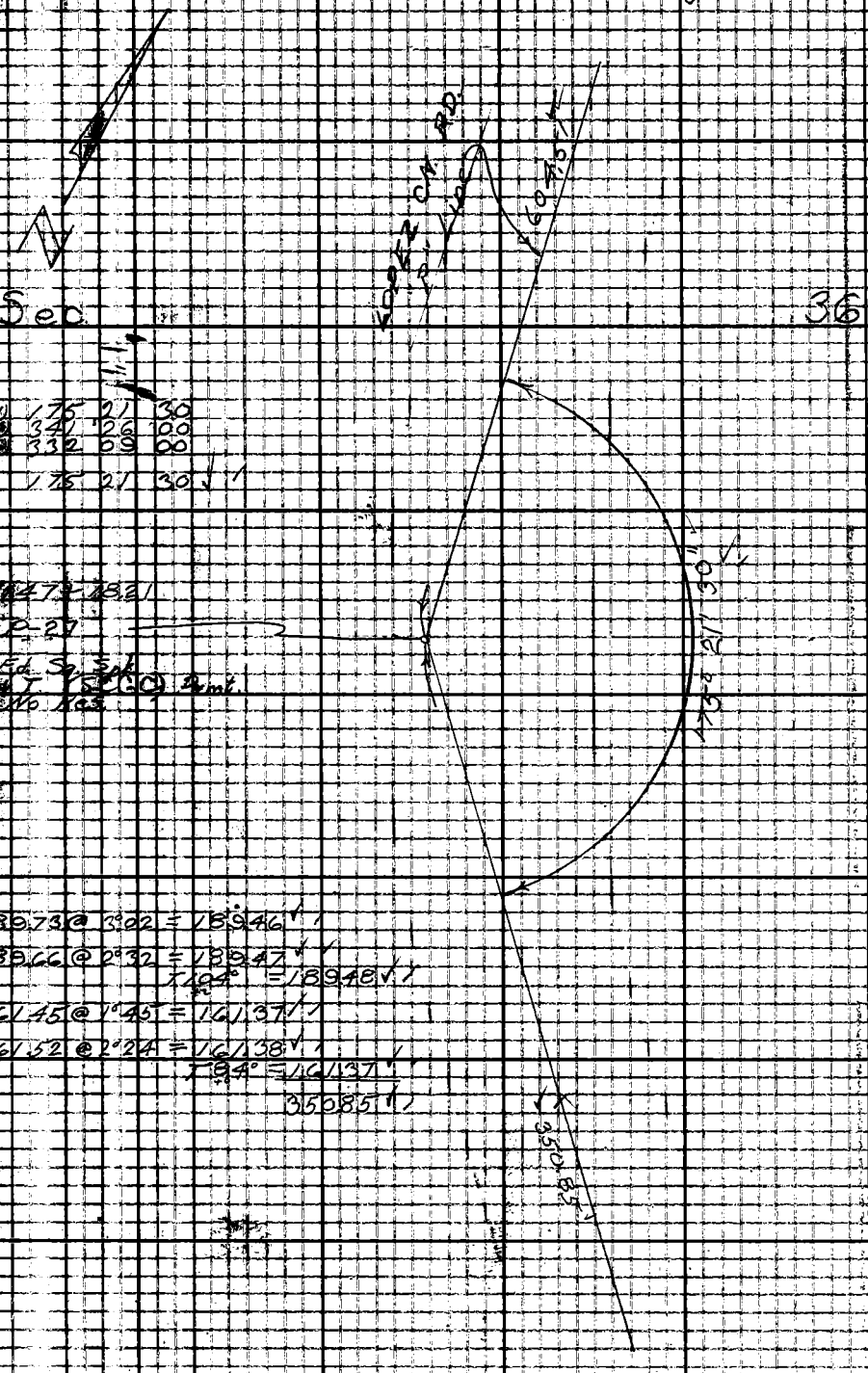
76F3095 CE #310 6-62



189.73 @ 3°02 = 189.46
189.66 @ 2°32 = 189.47
T 104° = 189.48
161.45 @ 1°45 = 161.37
161.52 @ 2°24 = 161.38
T 84° = 161.37
350.85

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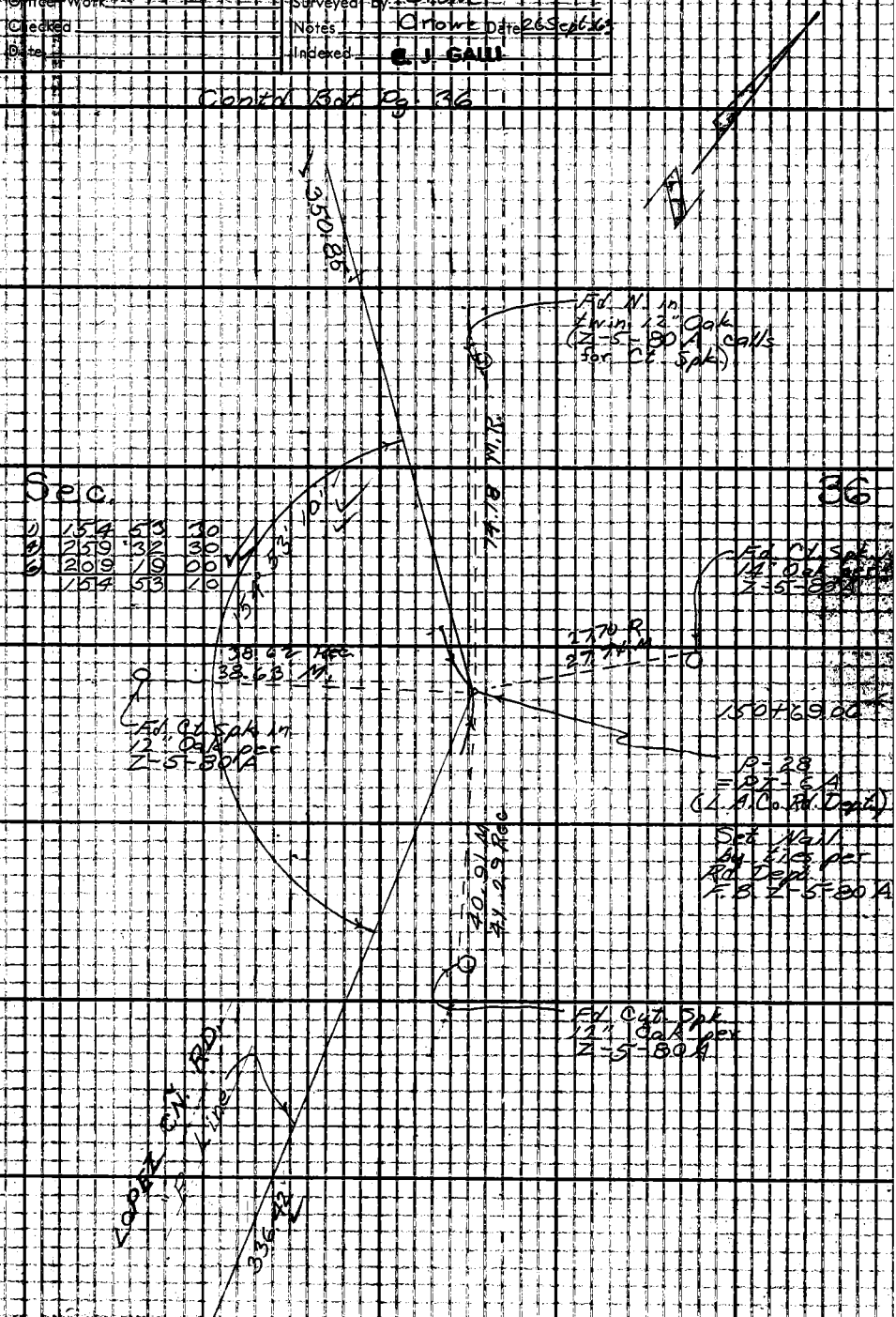
Contd top Pg 37

Notes Ck'd by		Survey of Lopez Cn. Rd.	F.B. 2967 PG. 37
Map No.		JN 0095.64 Tape 65 Std 84 °F	
Officer Work		Surveyed by Crowe	
Checked		Notes Crowe Date 26 Sept 63	
Date		Indexed E. J. GALLI	

Contd Bot Pg. 36



Contd. top Pg. 38

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S C.E. #310 6-62

F. B. 2967 Pg. 38

Contd Bot. Pg. 37

Sec. 36

175.99 @ 3°06 = 175.73
175.91 @ 2°33 = 175.74
T 86° = 175.73

160.69 @ 0°32 = 160.68
160.72 @ 1°07 = 160.69
T 96° = 160.69
336.42

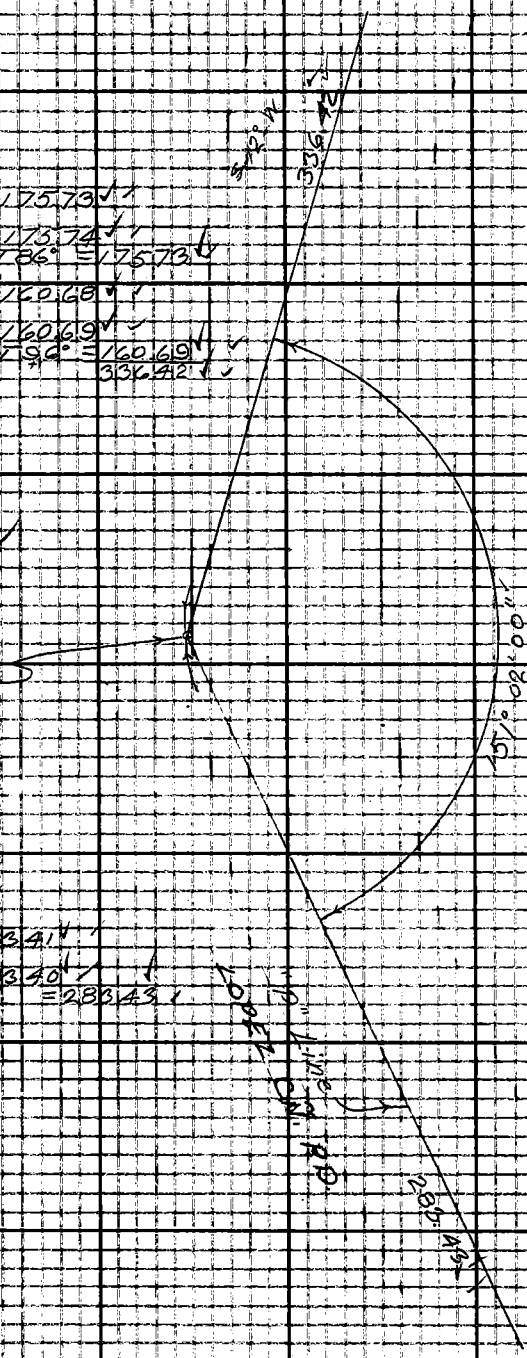
1) 151 02 00
4) 244 08 00
6) 186 12 00
151 02 00

154+05.48

P-29

Fd. 1 W. & T.
(S.C.G.C.) W.
edge Pmt.
No Ref.

283.89 @ 3°19 = 283.41
283.75 @ 2°52 = 283.40
T 100° = 283.43



Contd top Pg. 39

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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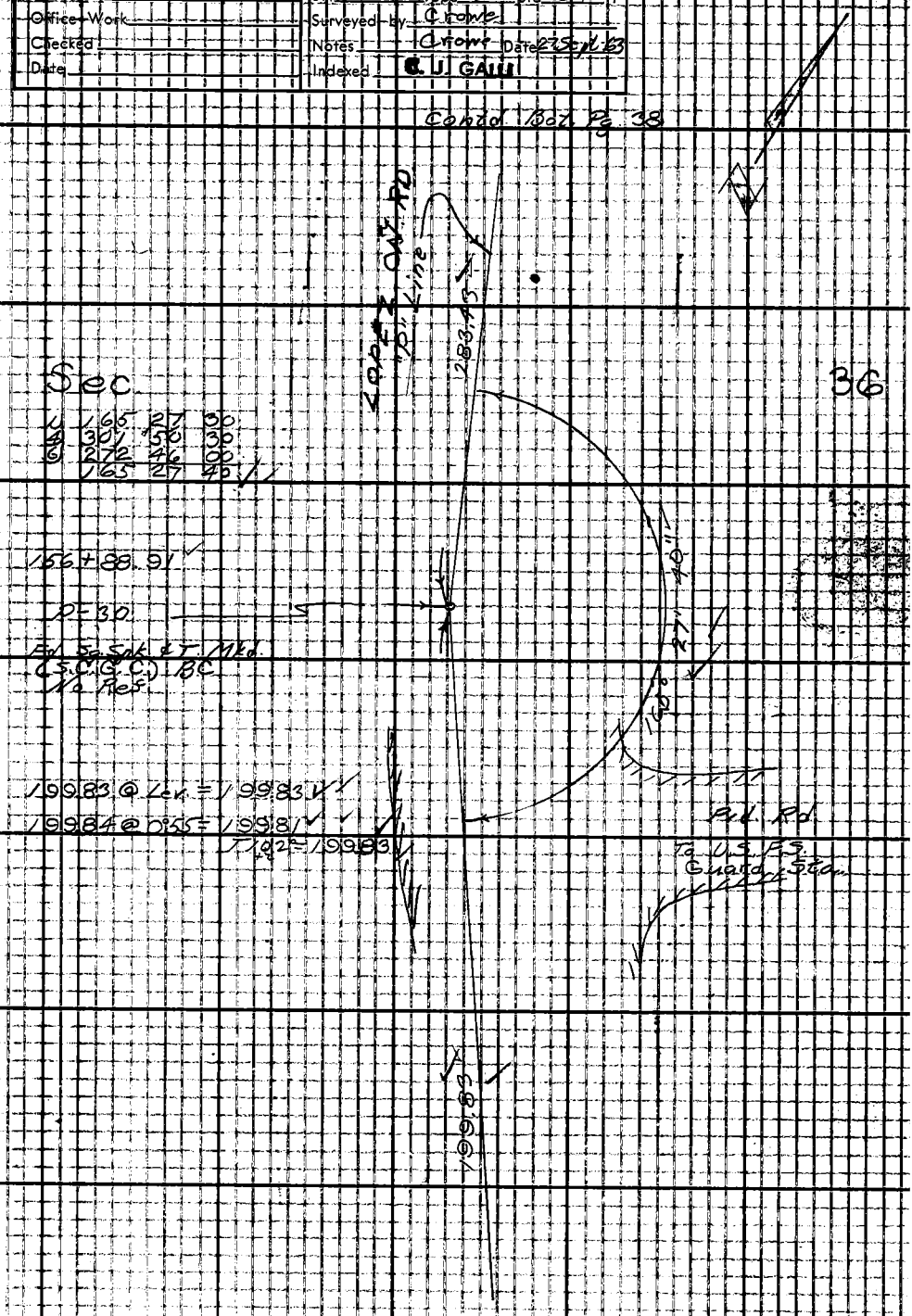
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lopez Cr Rd	F.B. 2967 PG. 39
Map No.	JN 0095.64 Tape 65 Sta 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 27 Sept 63	
Date	Indexed C. J. GALLI	

Contd Bot. Pg. 38



Contd Top Pg 40

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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PLEASE RETURN TO
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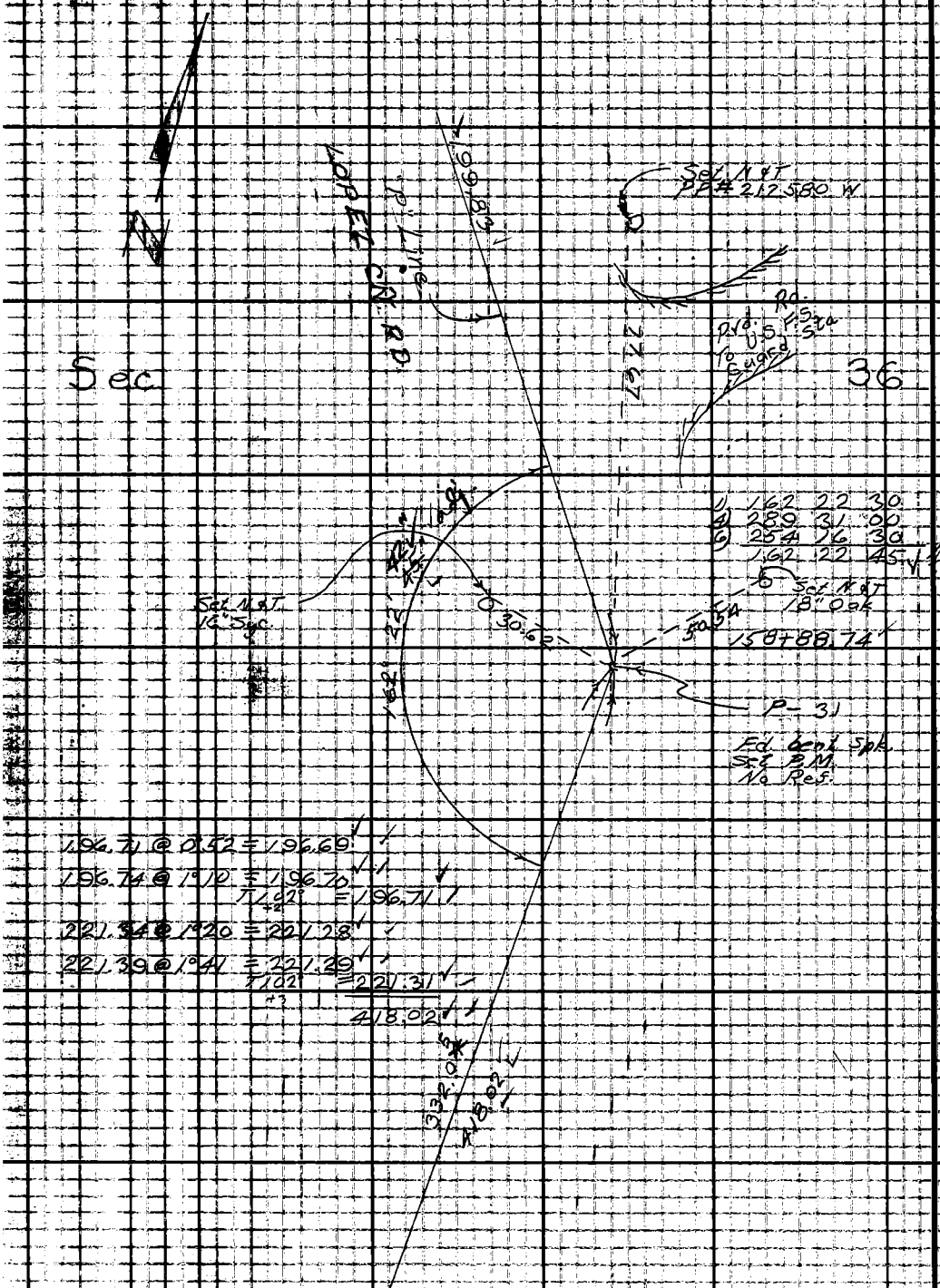
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S C.E. #310 6-62

F. B. 2967 PG. 40 Contd. Bot. Pg. 39



1) 162 22 30
4) 289 31 00
6) 254 16 30
162 22 45

1.96.71 @ 0°52 = 196.69
196.74 @ 1°10 = 196.70
T 1.02 +2 = 196.71
221.34 @ 1°20 = 221.28
221.39 @ 1°41 = 221.29
T 1.02 +3 = 221.31
418.02

Contd. Top Pg. 41

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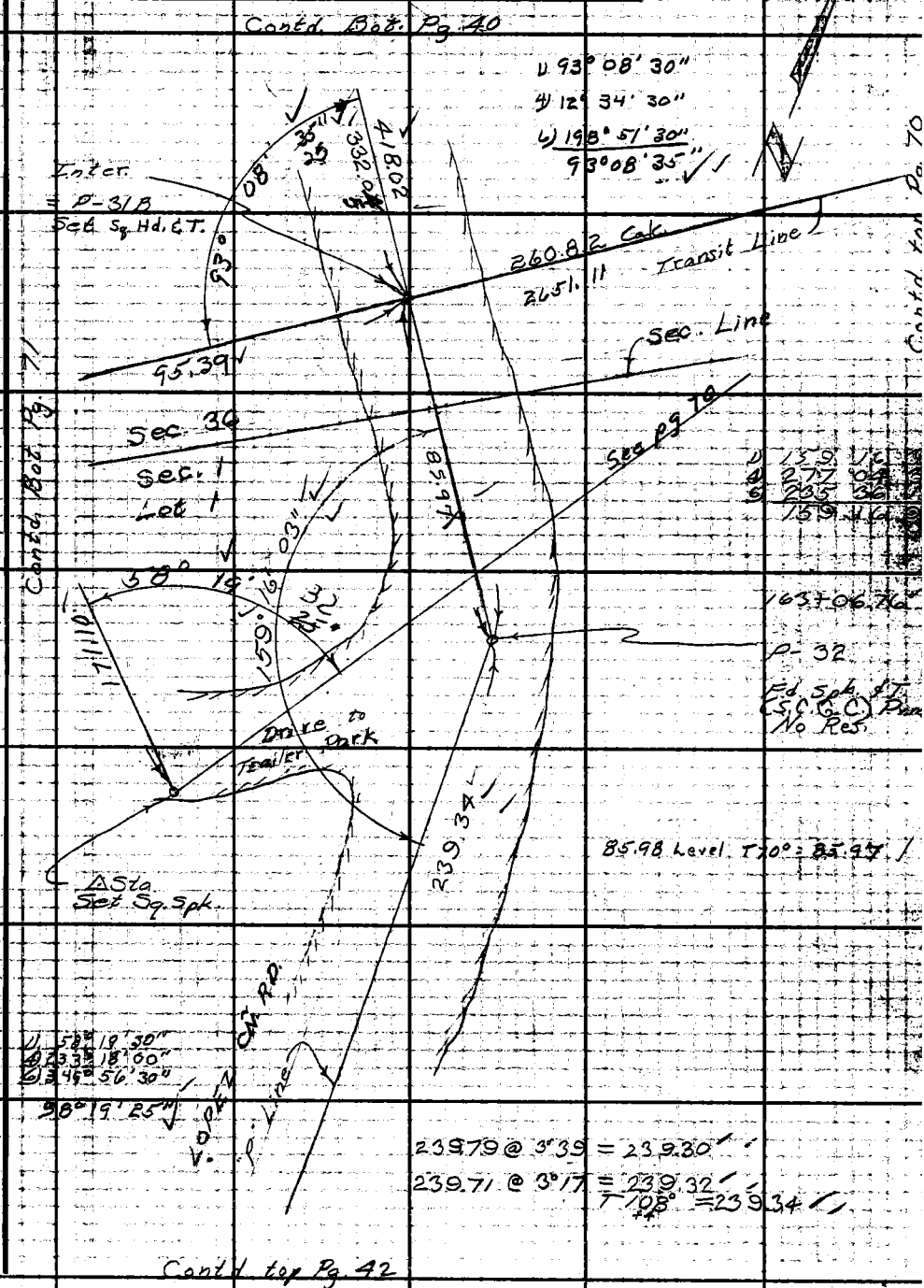
Notes Ck'd by	Survey of Lopez Cñ. Rd.	F. B. 2967 PG.
Map No.	JN 0095.64 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 27 Sept. 63	
Date	Indexed C. J. GALLI	



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W.S. 53, C-2

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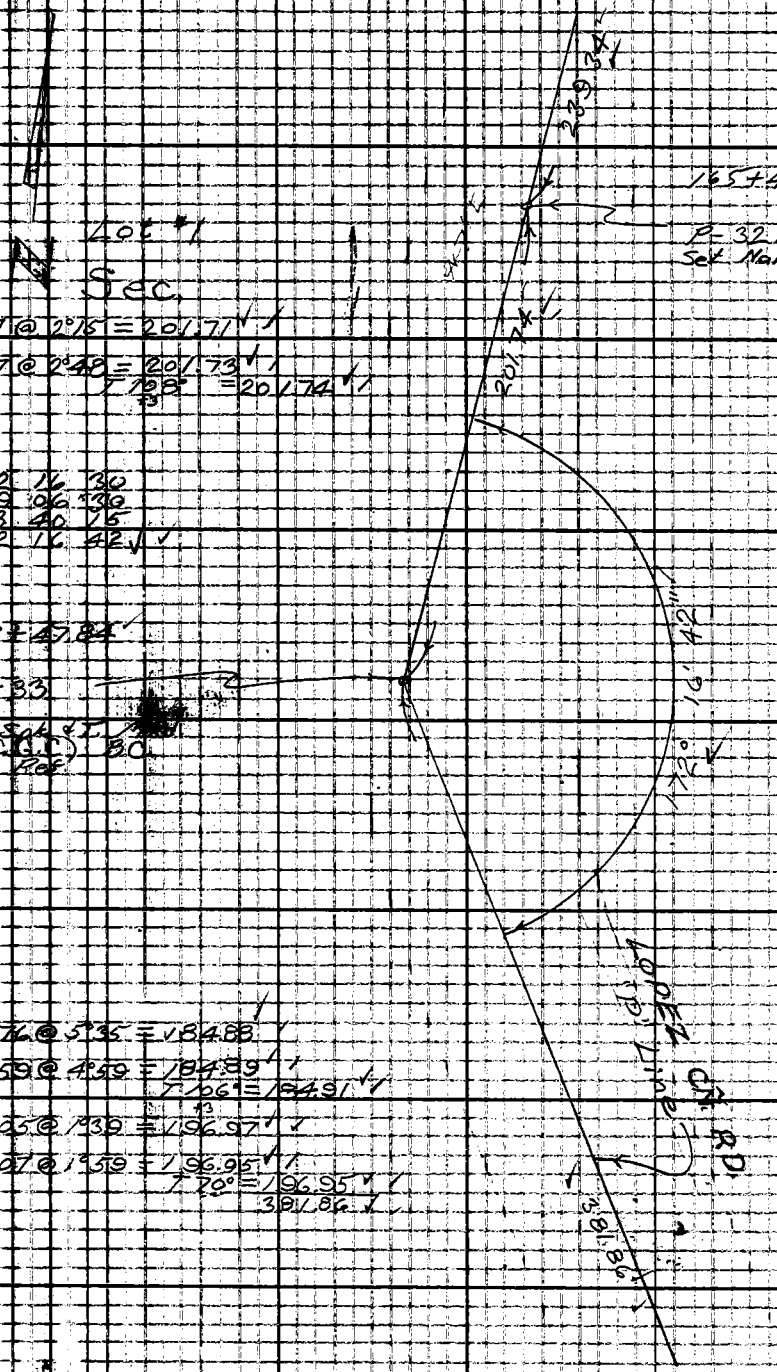
76F309S CE #310 6-62

Contd. Bot. Pg. 41



Contd. top Pg. 43

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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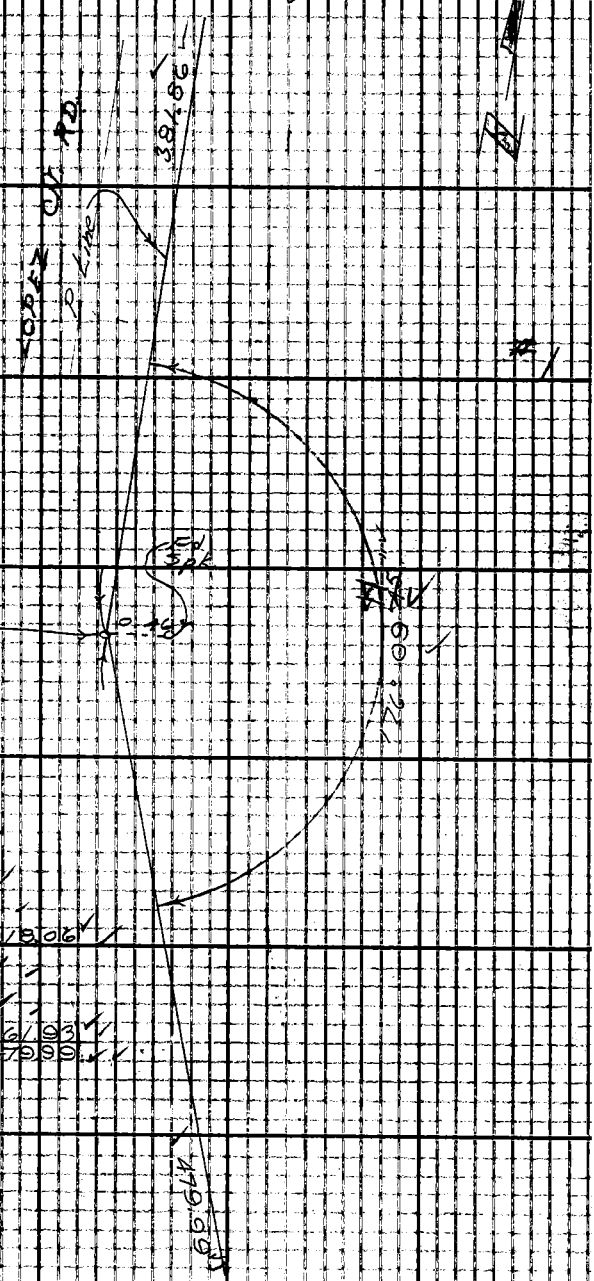
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by		Survey of Lopez Cr. Rd.	F.B. 2067 Pg. 43
Map No.		JN 9095.64 Tape 65 Std 84 °F	
Office Work		Surveyed by Crowe	
Checked		Notes Crowe Date 30 Sept 63	
Date		Indexed E. J. GALLI	

Contd Bot. Pg 42



Sec

1)	176	10	00
4)	344	39	00
6)	336	55	30
	176	09	45

171+29.70

P-34
Fd. Spk. & T. Prmt.
No Res.

218.24 @ 2°15' = 218.07
218.18 @ 1°38' = 218.09
T 76° = 218.06

261.95 @ 0°31' = 261.94
261.97 @ 0°48' = 261.94
T 76° = 261.93
479.99

Contd top Pg 44

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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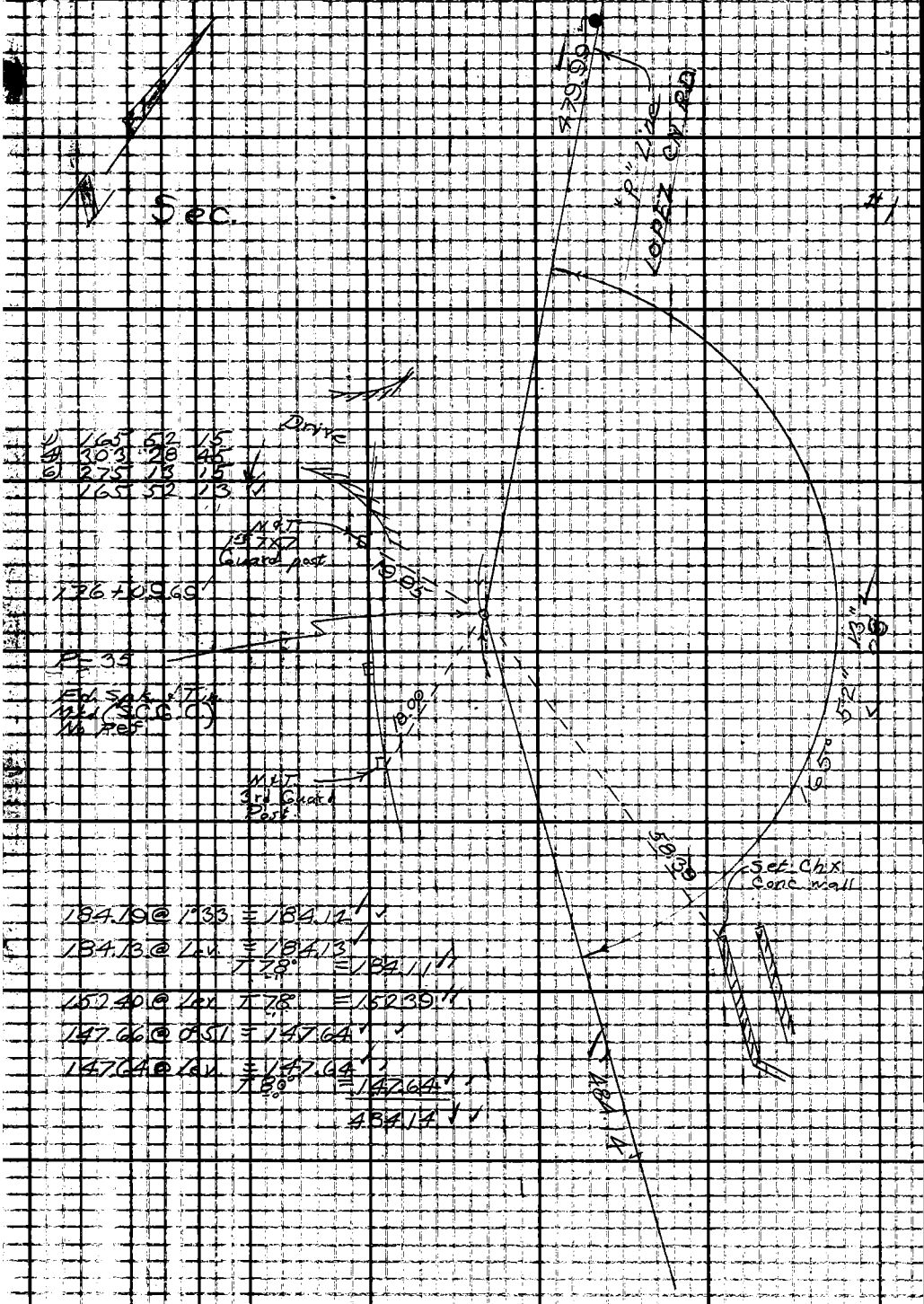
76F309S CE #310 6-62

Contd. Bot. Pg. 43



184.19 @ 1°33 = 184.12
184.13 @ Lev. = 184.13
T 78° = 184.11
152.40 @ Lev. T 78 = 152.39
147.66 @ 0°51 = 147.64
147.64 @ Lev. = 147.64
T 80° = 147.64
434.14

Contd. top Pg. 45

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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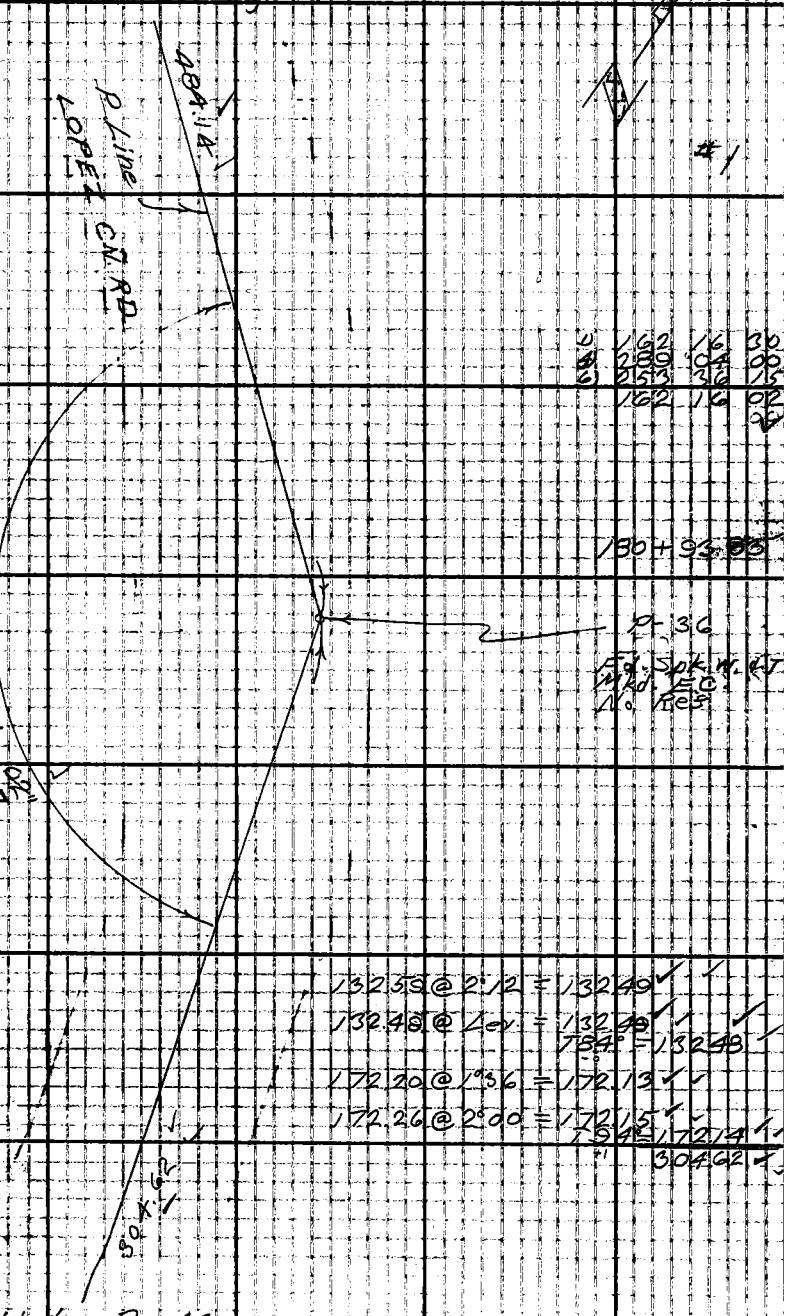
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lopez Cn. Rd.	F. B. 2967 PG. 45
Map No.	JN 0095.64 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 30 Sept. 63	
Date	Indexed B. J. Galli	

Contd. Bot. Pg. 44



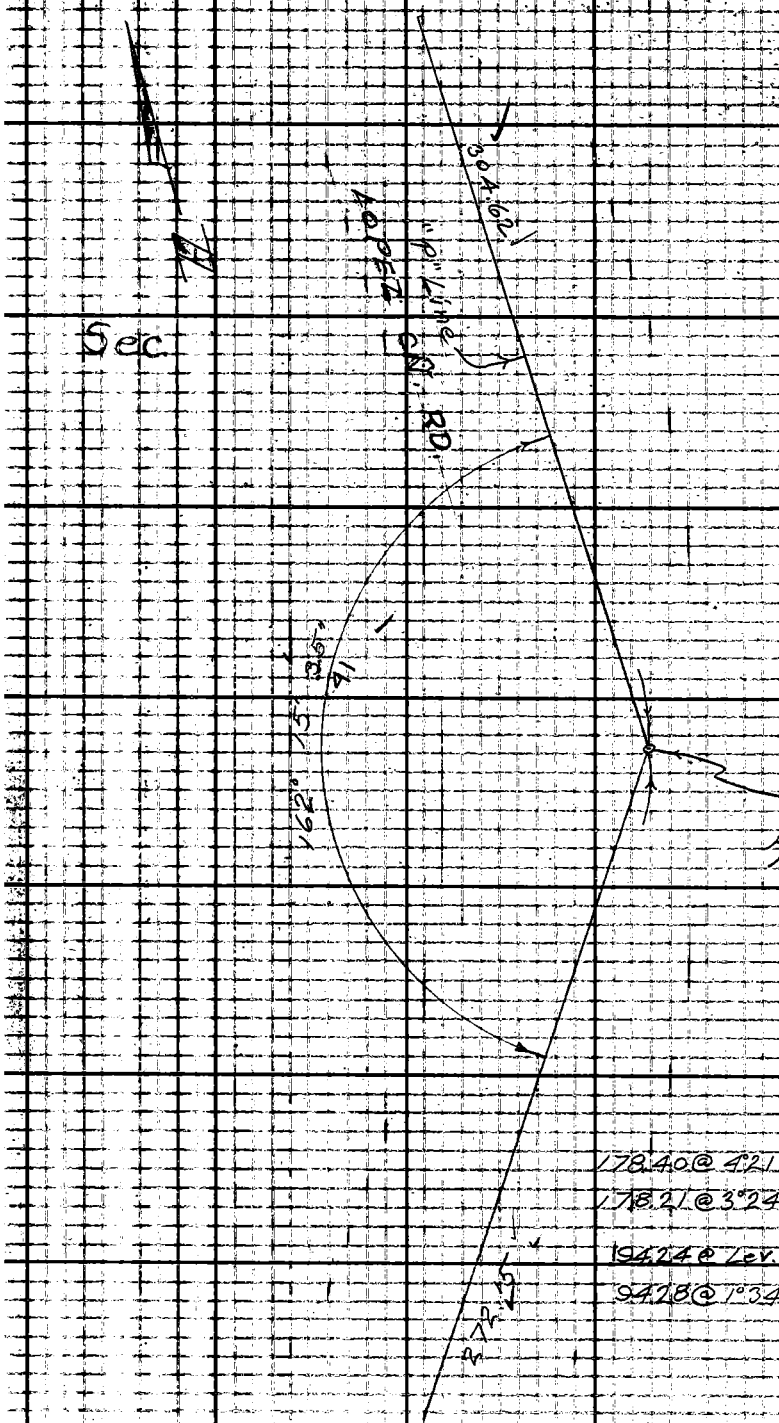
1)	162	16	30
4)	289	04	00
6)	253	36	15
	162	16	02

132.59 @ 2°12 = 132.49
132.48 @ Lev = 132.48
184° = 132.48
172.20 @ 1°36 = 172.13
172.26 @ 2°00 = 172.15
194° = 172.14
304.62

Contd. top Pg. 46

Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 CE #3 0 6-62

F.B. 967 Pg. 46 Contd. Bot. Pg. 45



#1

1)	162	16	00
4)	289	02	00
6)	253	33	30
	162	15	35

178.40 @ 4°21 = 177.89

178.21 @ 3°24 = 177.90

T 94 = 177.90

94.24 @ Lev. = 94.24

94.28 @ 1°34 = 94.25

T 96° = 94.25

272.15

Contd. top Pg. 47

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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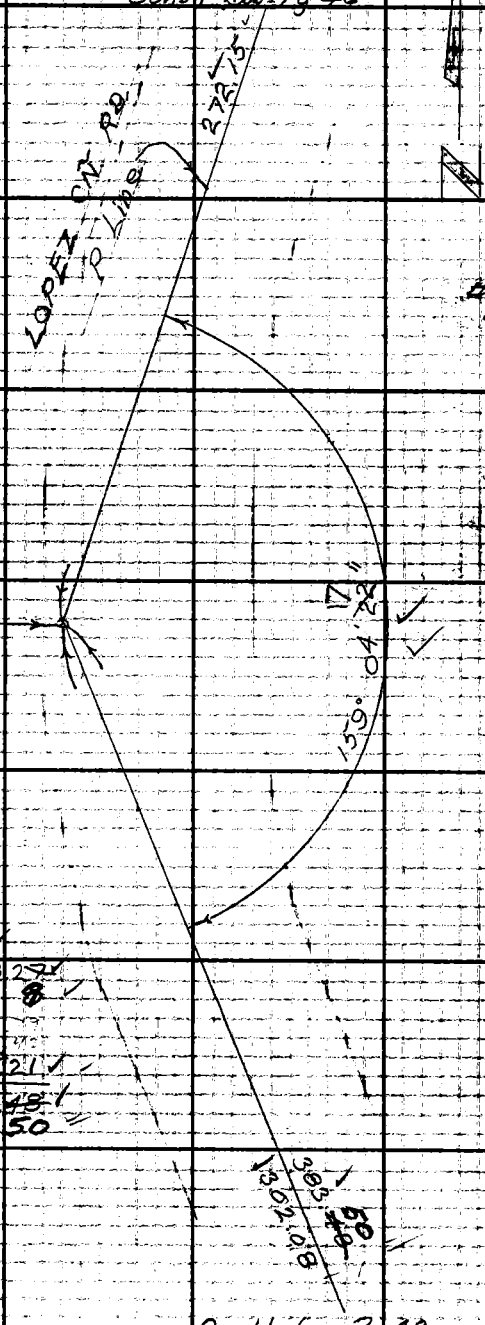
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lopez Cñ. Rd.	F. B. 2967 PG. 47
Map No.	JN 0095.64 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 30 Sept. 63	
Date	Indexed E. J. GALLI	

Contd Bot. Pg 46



Sec.

1) 159 04 00
4) 276 17 45
6) 234 26 15
159 04 22

186+70.60

P-38

Fd. Spk. W. & T.
Mkd. P.I.
No Ref.

208.44 @ 2°25 = 208.25
208.41 @ 2°05 = 208.27
T 96° = 208.27
+2 8
175.20 @ Lev. = 175.20
175.22 @ 0°47 = 175.20
T 96° = 175.21
+1
383.48
50

Contd Top Pg 48

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

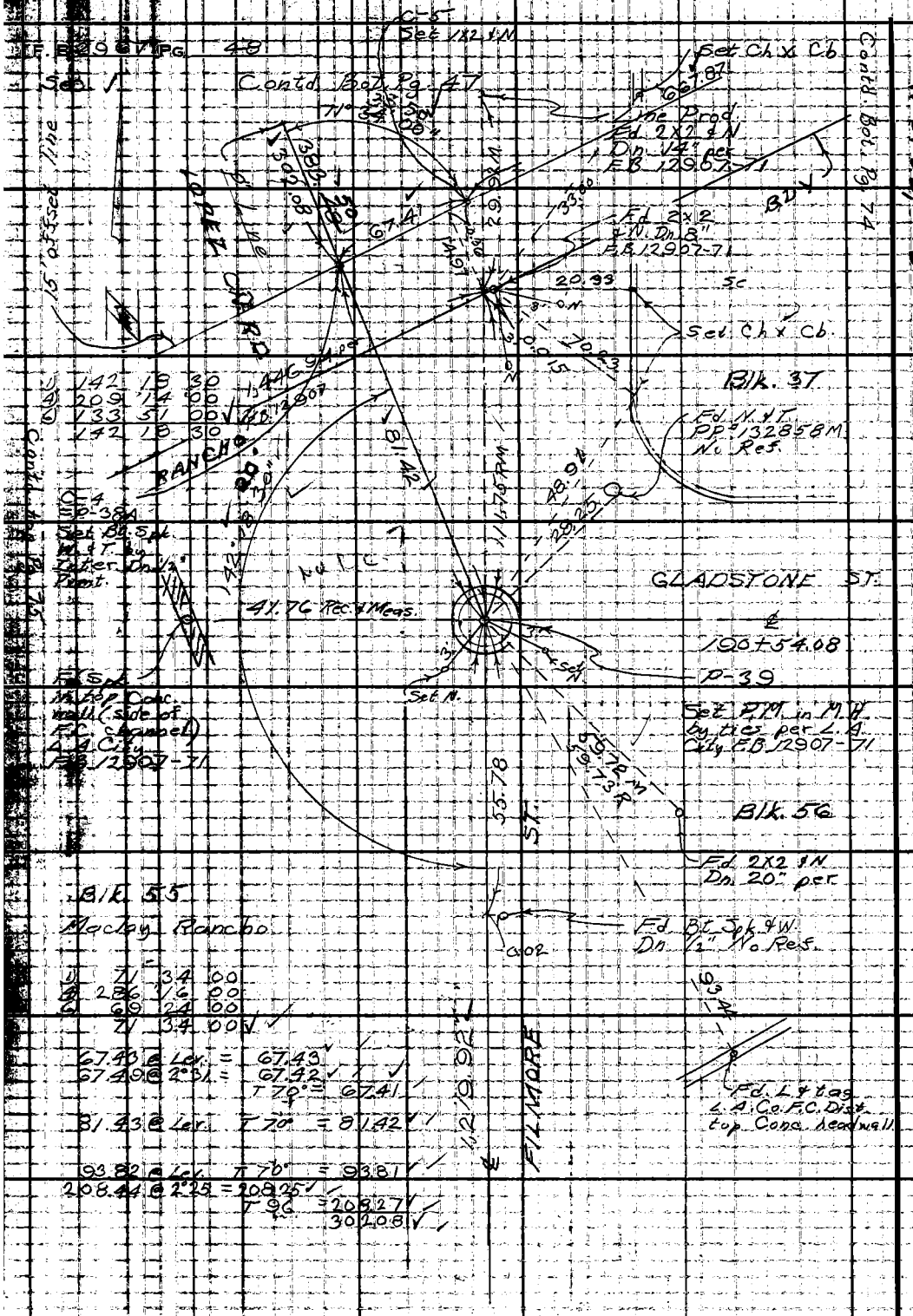
Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

Sec. 1

Contd. Bot. Pg. 47



1) 142 18 30
4) 209 14 00
6) 133 51 00
142 18 30

C-4
EP-38A
Set Bt. Spk.
W. & T. by
Inter. Dn. 1/2"
Prent.

F. Spk.
in top Conc.
wall (side of
F.C. channel)
L.A. City
F.B. 12907-71

Blk. 55
Maclay Rancho

1) 71 34 00
4) 286 16 00
6) 69 24 00
71 34 00

67.43 @ Lev. = 67.43
67.49 @ 2°31 = 67.42
T 70° = 67.41

81.43 @ Lev. T 70° = 81.42

93.82 @ Lev. T 70° = 93.81
208.44 @ 2°25 = 208.25
T 96 = 208.27
302.08

Contd. top Pg. 49

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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Notes Ck'd by	Survey of Lopez Cn. Rd	F.B. 2967 PG.
Map No.	JN 0095.64 Tape 65 Std 84 °F	
Officer Work	Surveyed by Crowe	
Checked	Notes Crowe Date 10 Oct. 63	
Date	Indexed	

Contd. Bot. Pg. 48

Blk. 55 | Blk. 56

1,219.92

165.92 @ Lev. = 165.92
166.08 @ 2°24 = 165.93
T 72° = 165.91
177.70 @ 1°06 = 177.67
177.77 @ 1°54 = 177.67
T 76° = 177.66
200.02 @ Lev. = 200.02
200.22 @ 2°42 = 200.00 (30) (30)
T 76° = 199.99
200.05 @ Lev. = 200.05
200.07 @ 0°55 = 200.04
T 78° = 200.03
149.96 @ Lev. = 149.96
150.19 @ 3°07 = 149.97
T 80° = 149.96
199.90 @ 0°20 = 199.90
199.95 @ 1°09 = 199.91
T 80° = 199.89
126.49 @ Lev. = 126.49
126.66 @ 3°03 = 126.48
T 80 = 126.48
1,219.92

ST.

FILMORE

202 + 74.00
P-39G
Fd. Bt. Spk. W. &
No Res.

99.99 @ Lev. = 99.99
100.04 @ 1°49 = 99.99
T 88° = 99.99

99.99

Contd top Pg 50

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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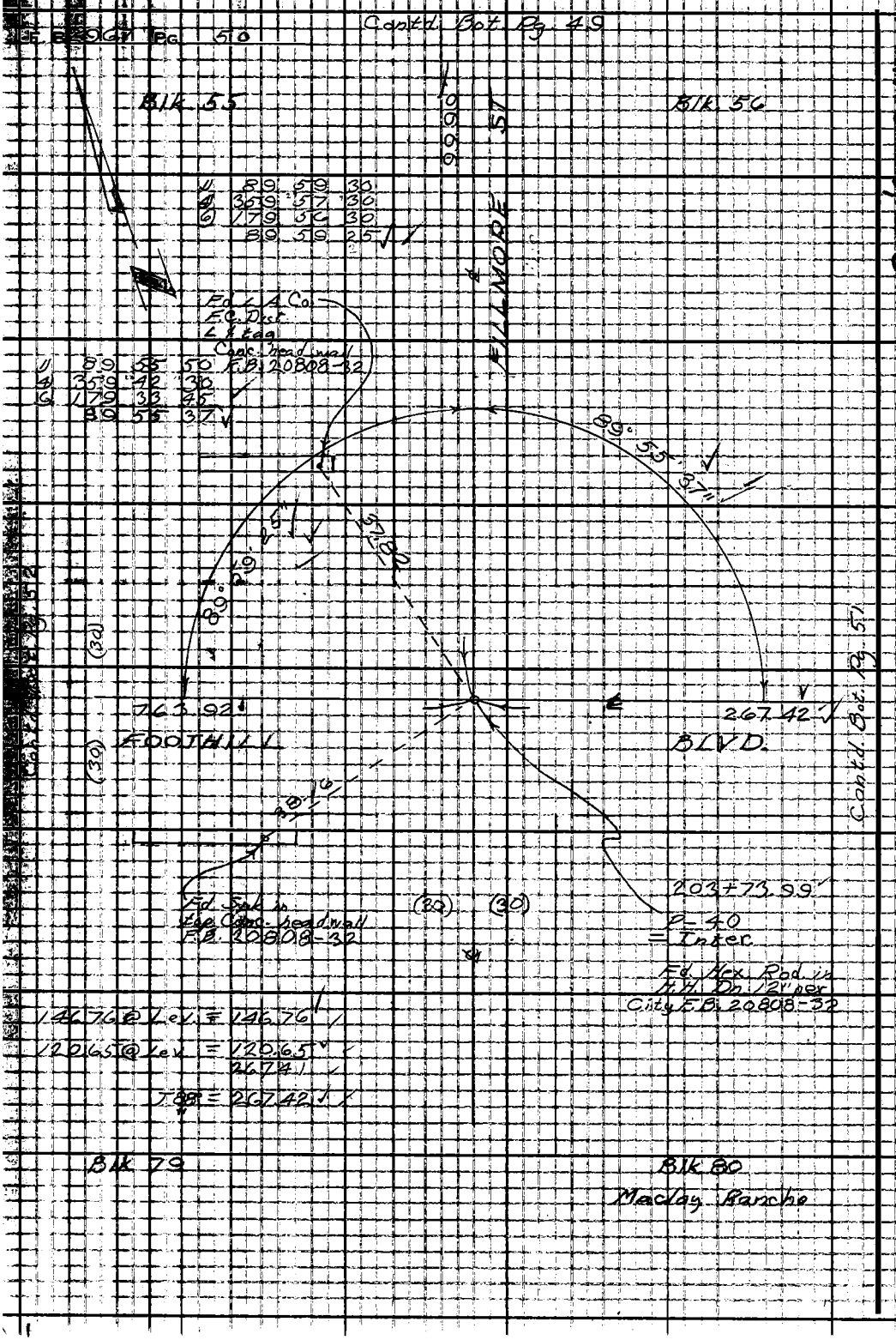
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
76F3095 CE #310 6-62



W.S. 53, C-3

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lopez Cñ. Rd.	F.B. 2967 PG. 57
Map No.	JN 009564 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date Oct. 63	
Date	Indexed E. J. GALLI	

Contd. City F.B. 20808-32

Blk. 56
Maclay Rancho
or
Rancho San Fernando

Blk. 80

BLVD.

Driveway

Fd. L.&T. per
F.B. 19880-48
F.B. 20808-32

66.41

Walk

42.77

(30) (30)

5-M-20
Fd. L.A. City Traver
Man. Mkd.
5-M-20, 1941, in
H.H. Dn. 14 per
L.A. City F.B. 10660-36
F.B. 9596-6
F.B. 19880-48
F.B. 20808-32

FOOTHILL

267.42

Contd. Rt. Pg. 50

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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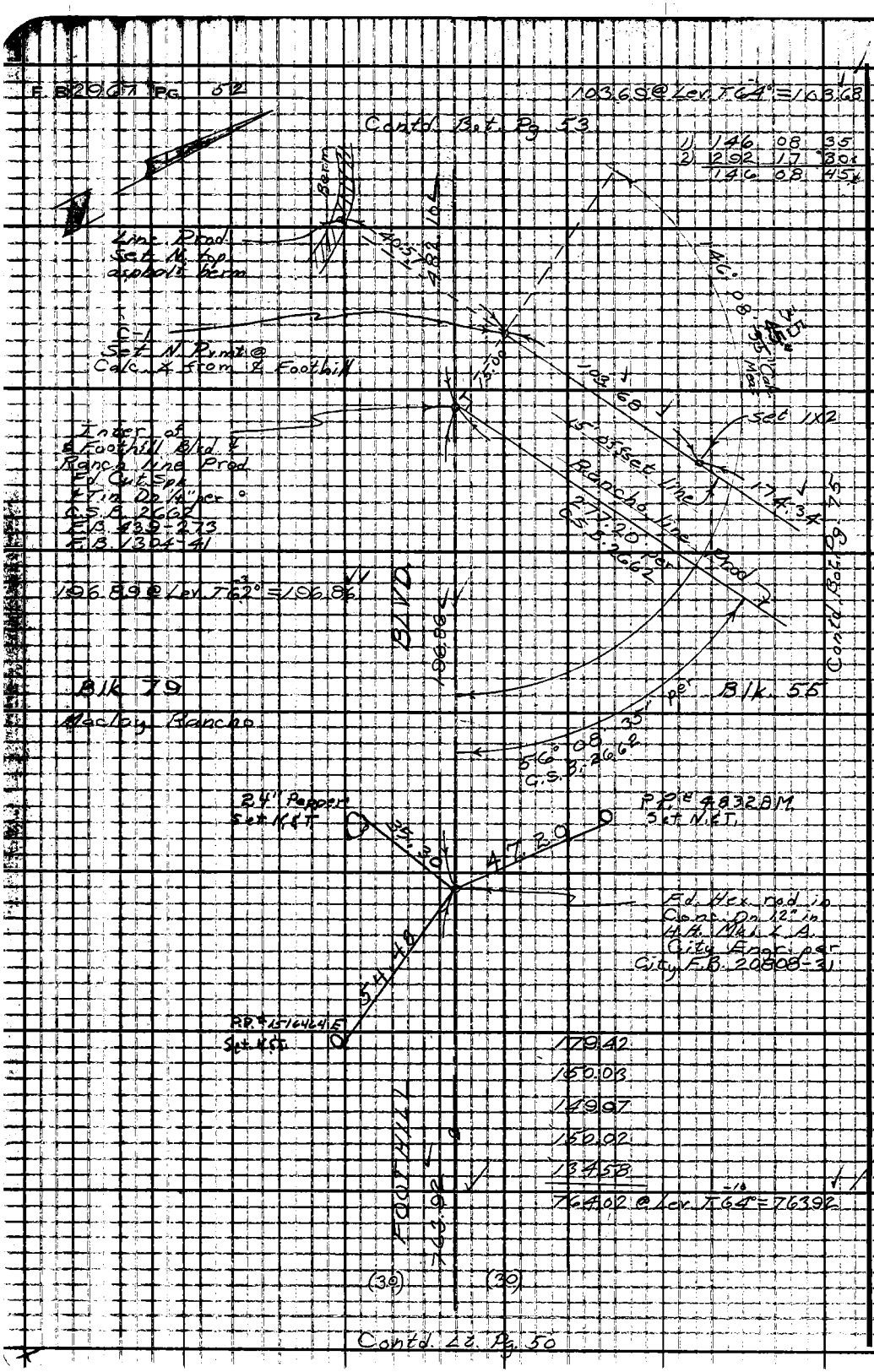
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #310 6-62



PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Kagel Cr. Rd.	F.B. 2967 PG. 53
Map No.	JN 0095.63 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 28 Oct. 63	
Date	Indexed R. J. GALLI	

Contd. L.A. City F.B. 20808-30

W.S. 53, C-3

Blk. 78

Maclay Rancho
M.R. 37-5-16
or
Rancho San Fernando

BLVD.

89° 59' 57" Rec.

(30) (30)

Fd. N.&T.
P.P.#
No Ref.

Inter.
Fd. Hex. rod
in Conc. Dn.
10' in H.H. per
City F.B. 20808-31

Note: This Mon. is 0.05
farther west than the
spike shown on C.S.B. 2662

41.98

(30)

PAXTON ST.

(30)

69.86 R
69.89 A

60.04

Fd. L&T.
Conc. steps per
City F.B. 20808-31

Set N&T.
P.P.#

168.66
149.97
163.54

482.17 @ Lev. T 62° = 482.10

Blk. 55

Blk. 79

482.08 Rec. per C.S.B. 2662
and City F.B. 20808-31
482.10 Meas.

FOOTHILL

Contd. top Pg. 52

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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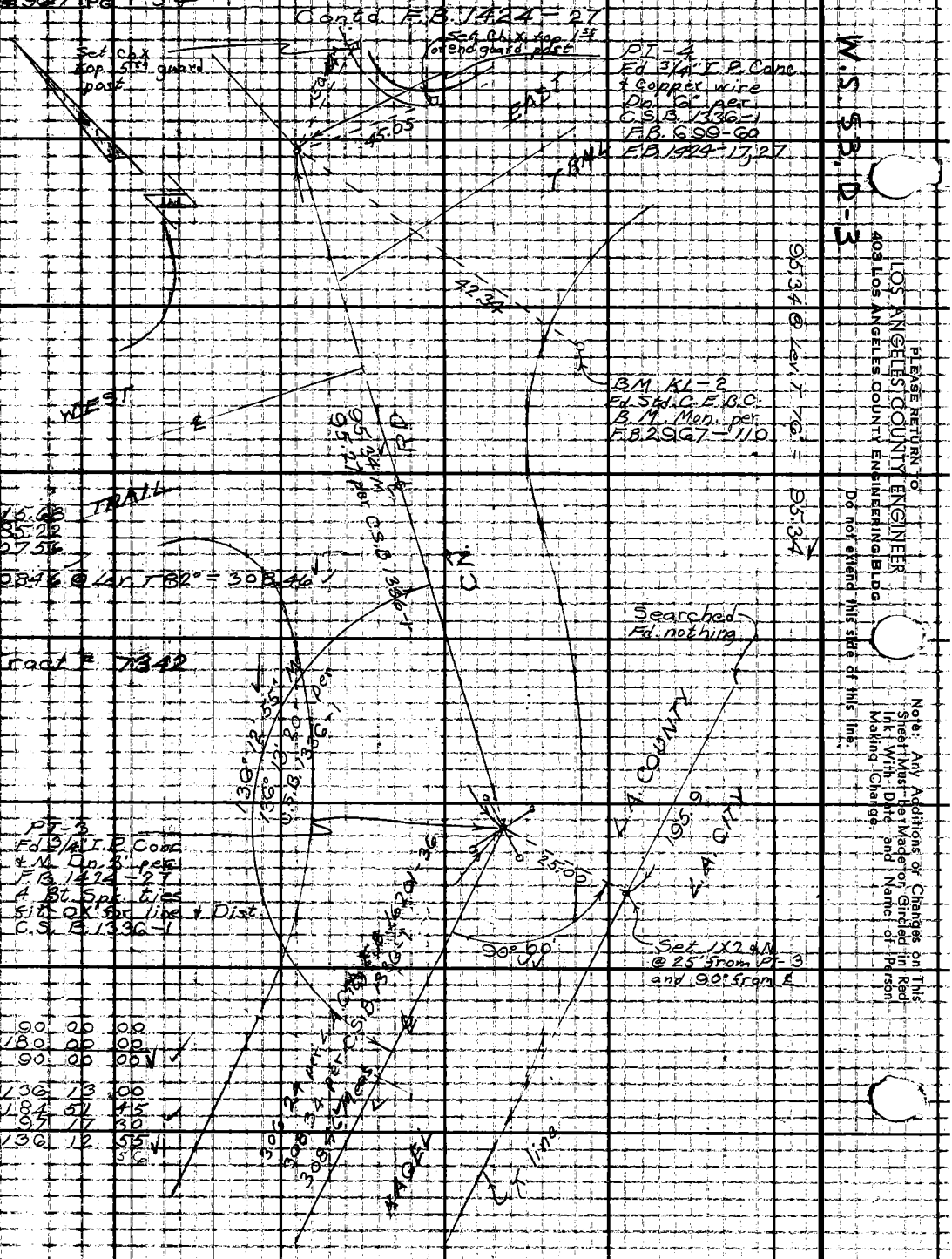
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F.B. 2967 Pg 54

Contd. F.B. 1424-27



Contd. top Pg. 55

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403 LOS ANGELES COUNTY ENGINEERING BLDG
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Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Kagel Cñ. Rd.
Map No.	JN 0095.63 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CYC Date 28 Oct. 63
Date	Indexed E. J. GALLI

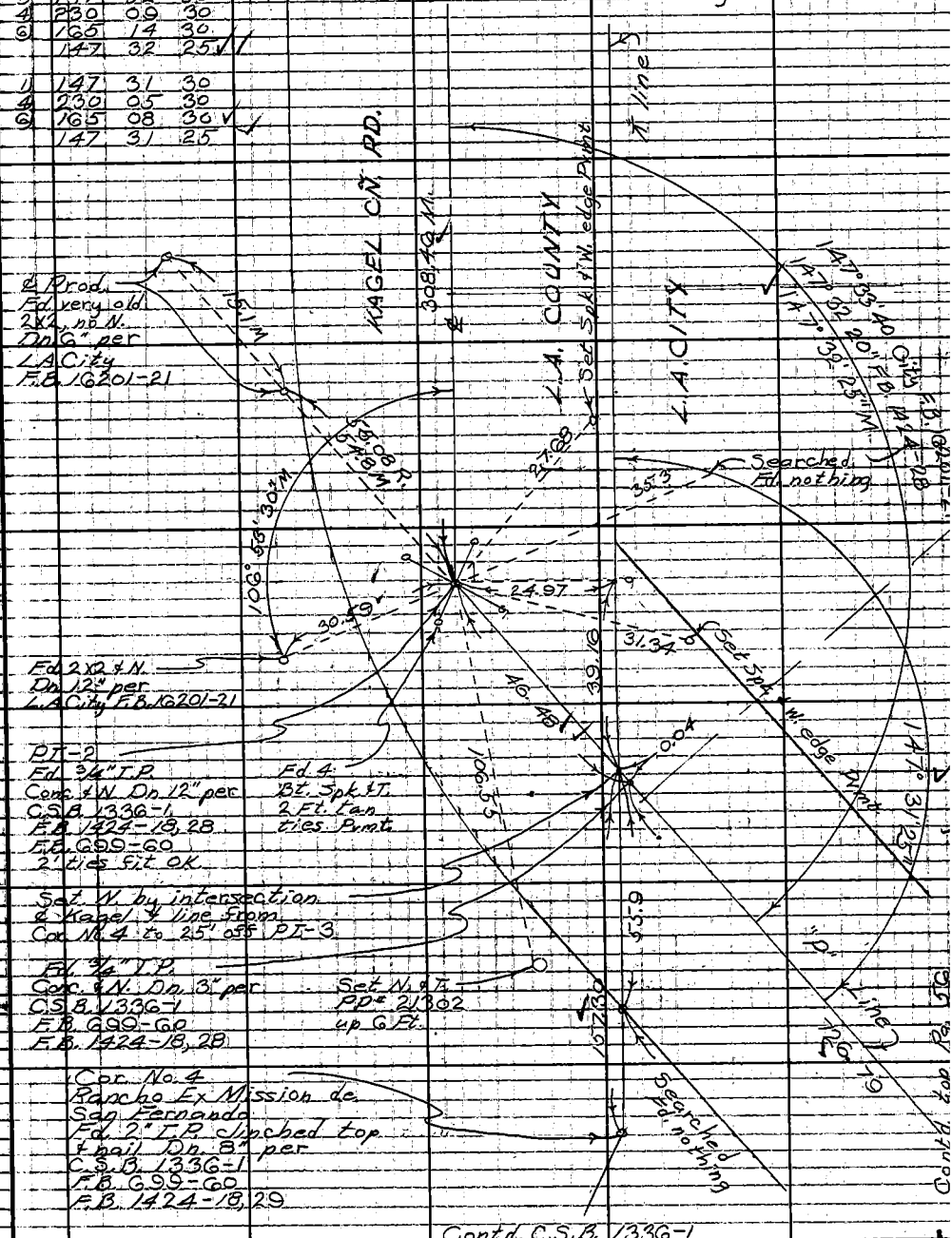
F.B. 2967 Pg. 55

Contd. Bot. Pg. 54

Note: For chaining see Pg 54 & 56

1)	147	32	30
4)	230	09	30
6)	165	14	30
	147	32	25 ✓

1)	147	31	30
4)	230	05	30
6)	165	08	30 ✓
	147	31	25



Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76309S CE #247—7-53

F.B. 2967 Pg. 56

Contd. Bot. Pg. 55

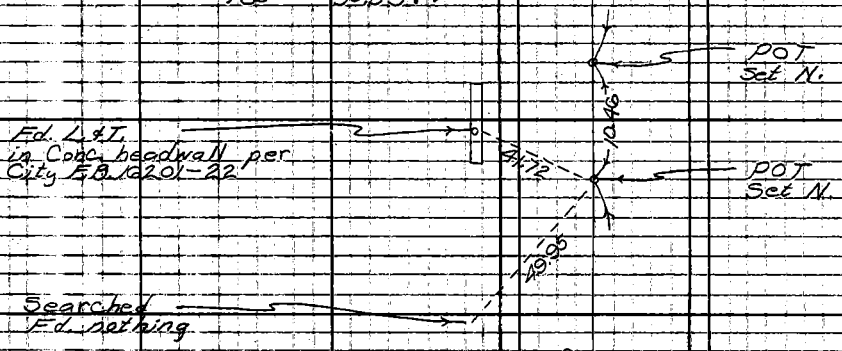
Blk. 12

Blk. 13

157.44 @ 2°18 = 157.31
157.38 @ 1°31 = 157.32
T 78° = 157.30

46.48 @ Lev. T 80° = 46.48

31.10 @ 10°25 = 30.59
T 80° = 30.59



94.23
160.78
152.97
160.58
158.25

726.81 @ Lev. T 80° = 726.79

165.86
151.89
151.51
173.77

643.03 @ Lev. T 82° = 643.02

Contd. top Pg. 57

RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

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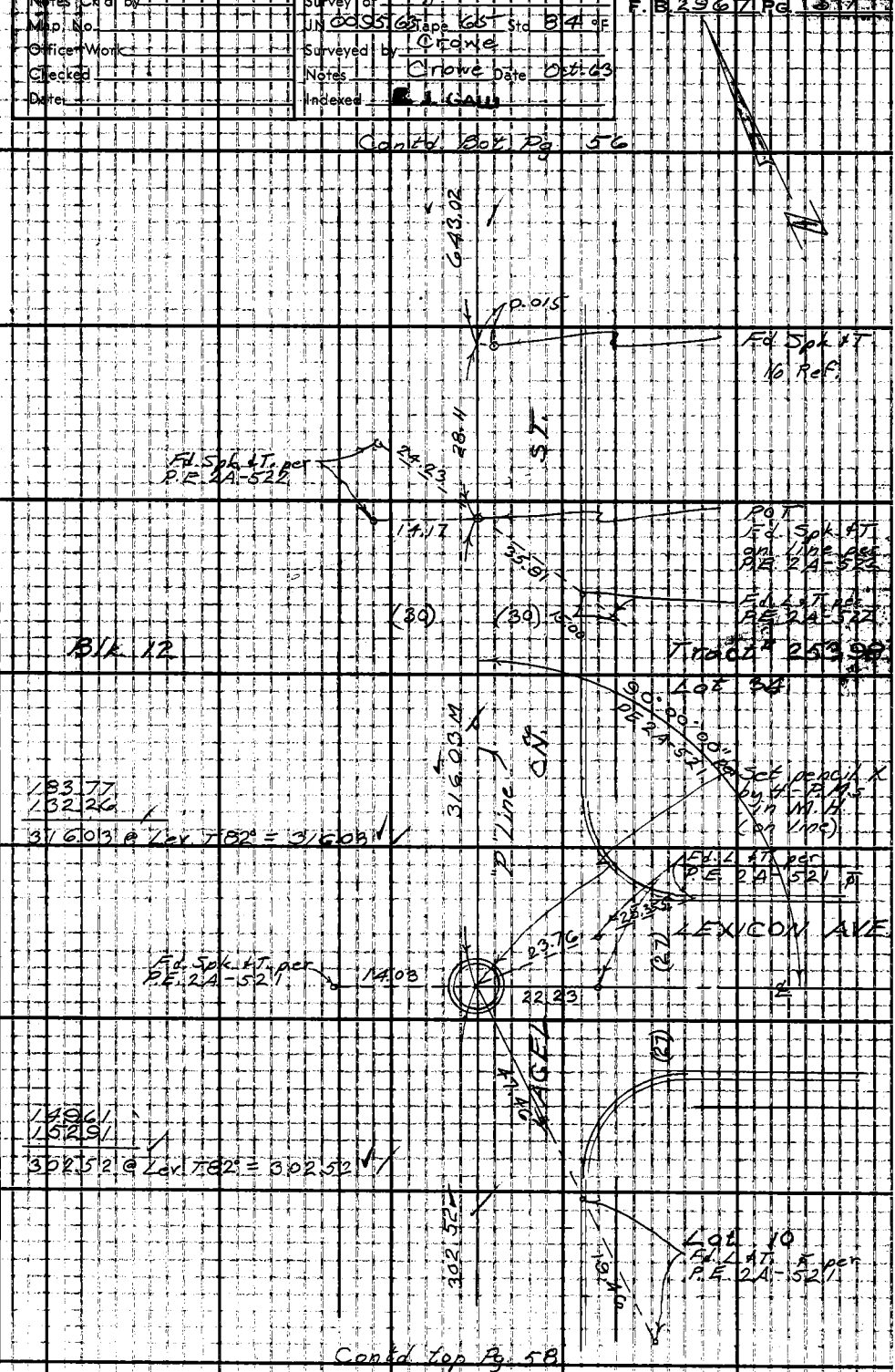
Notes Ck'd by	Survey of Kagel Cr. Rd.
Map No.	JN 0095.63 Tape 65 Sta 84 of
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date Oct. 63
Date	Indexed [illegible]

F. B. 2967 Pg. 57

Contd. Bot. Pg. 56



Contd. top Pg. 58

W.S.53, D-3

Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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PLEASE RETURN TO
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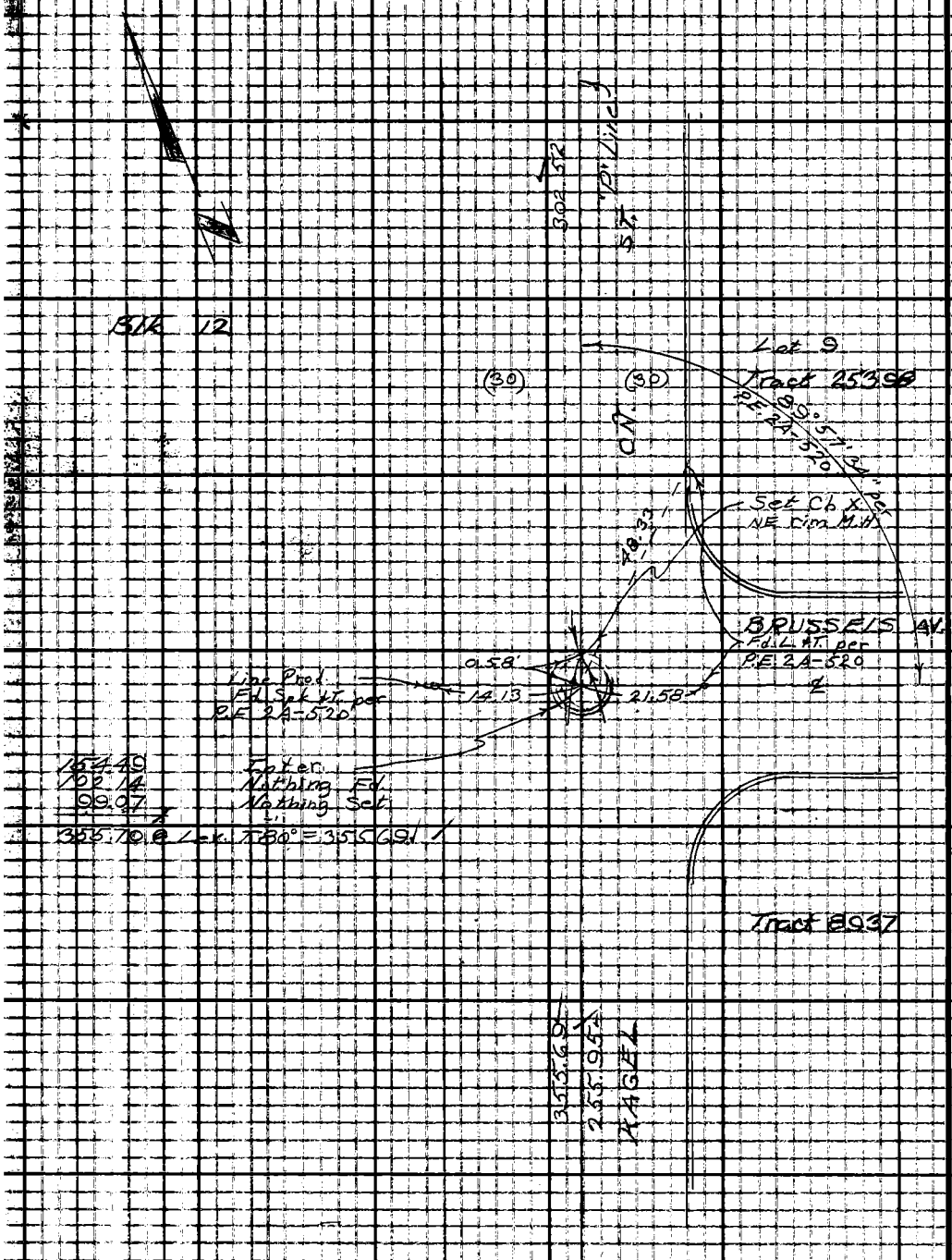
76F309S CE #310 6-62

2429.10

Contd. Bot. Pg. 57



W.S. 53, D-3

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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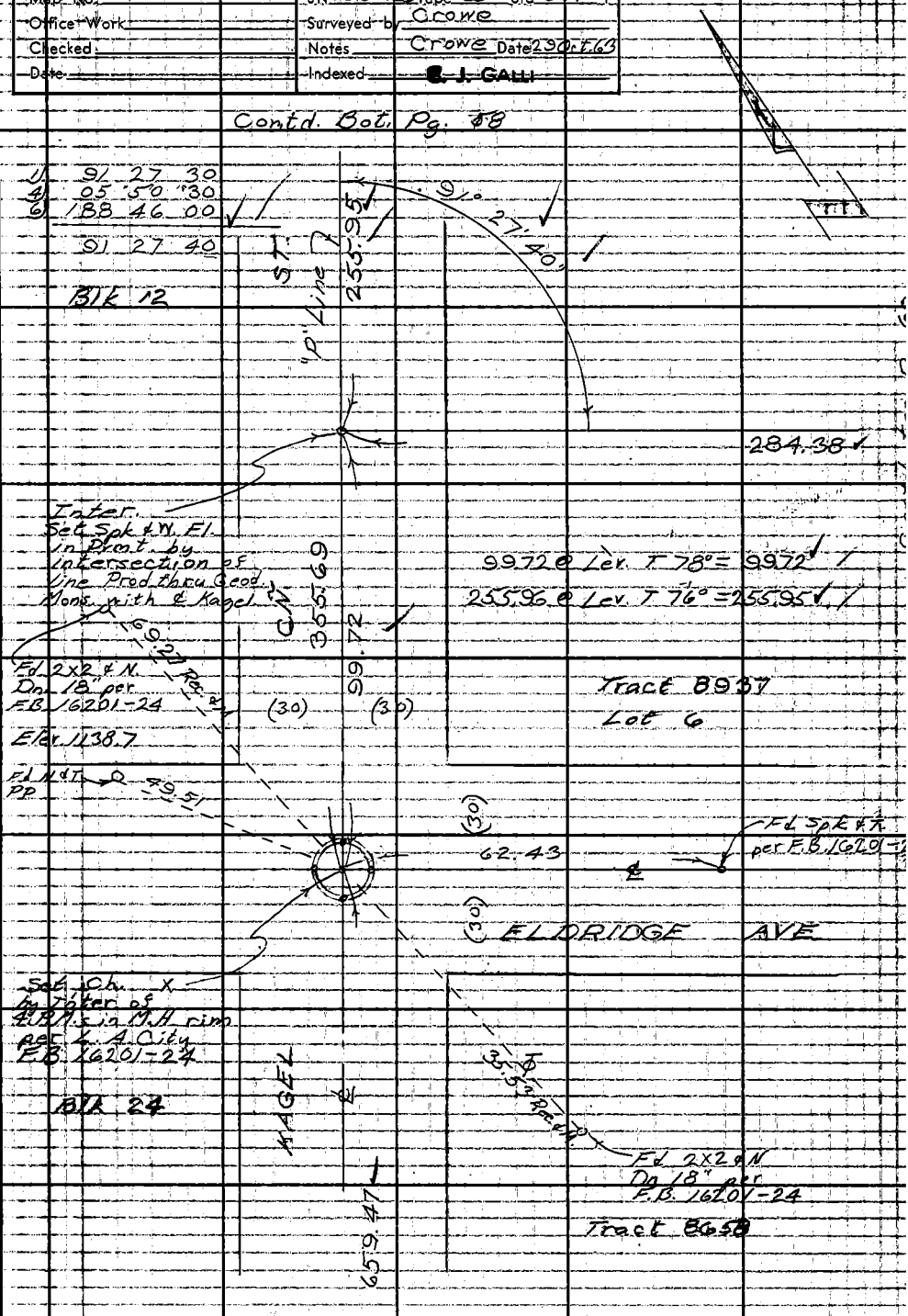
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Contd. top Pg. 59

Notes Ck'd by	Survey of Kagel Cñ. Rd.	F.B. 2967 PG. 59
Map No.	JN 0095.63 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 29 Oct. 63	
Date	Indexed E. J. GALLI	

Contd. Bot. Pg. 58



Contd. top Pg 61

W.S. 53, D-3

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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PLEASE RETURN TO
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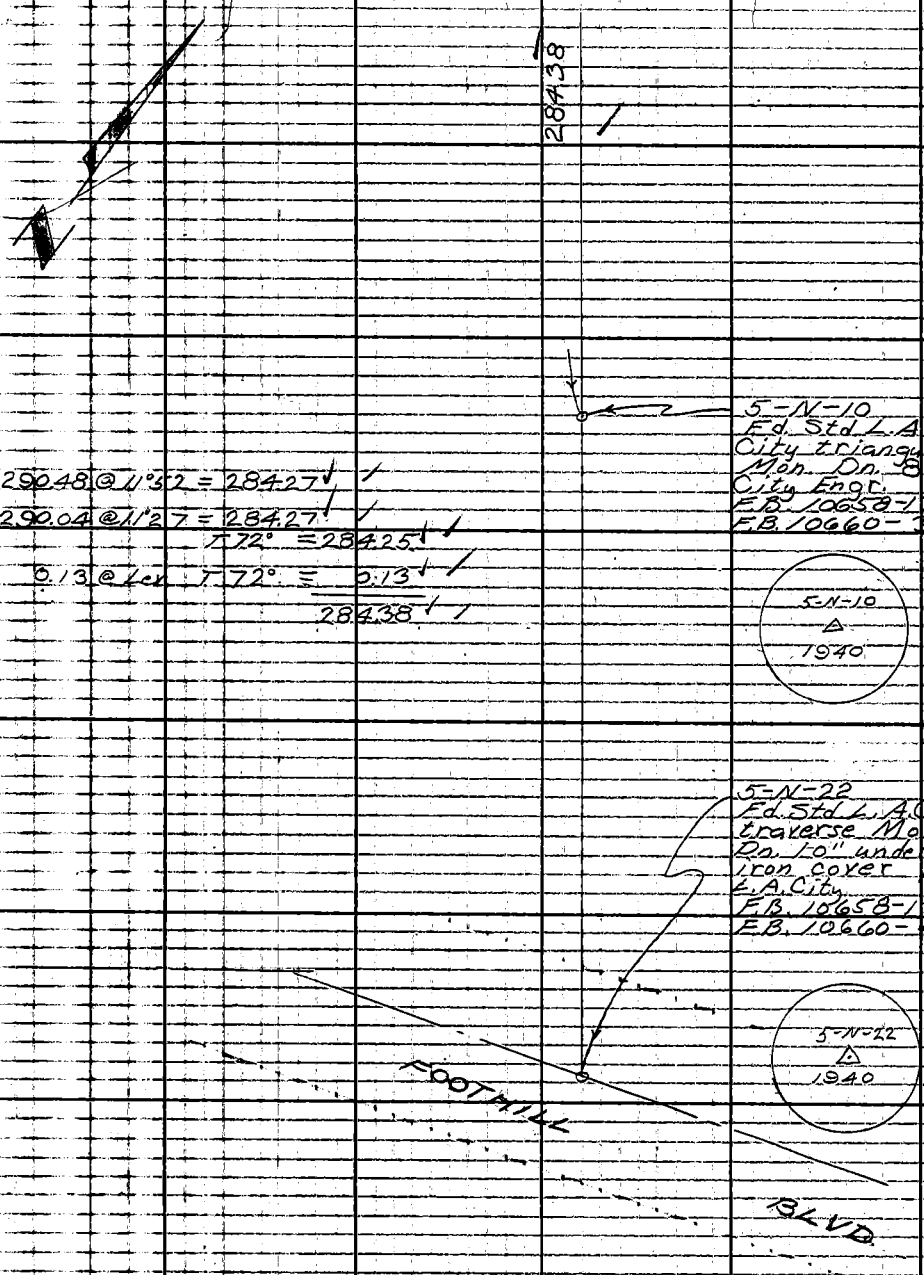
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE # 310 3-61

F. B. 2967 PG. 60

Contd. Rt. Pg. 59



290.48 @ 11°52 = 284.27

290.04 @ 11°27 = 284.27

T 72° = 284.25

0.13 @ Lev T 72° = 0.13

284.38

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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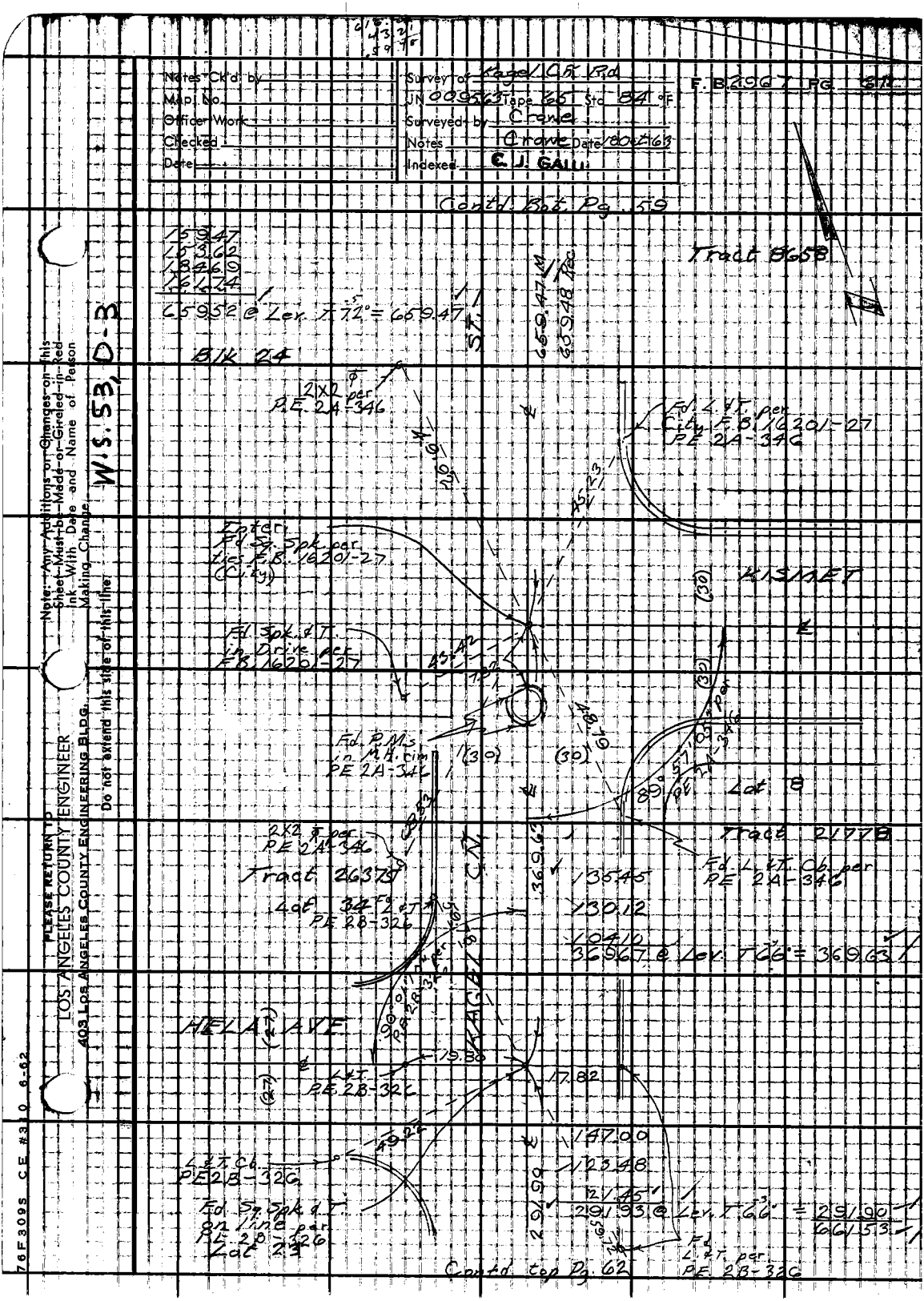
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.



Notes Ck'd by
Map No.
Officer Work
Checked
Date
Survey of Kagel Ck Rd
JN 0095.63 Tape 65 Sta 84 °F
Surveyed by Crowe
Notes Crowe Date 10-21-63
Indexed C. J. GALLI
F. B. 2967 PG. 61
Contd. Bot. Pg. 59
159.47
153.62
184.69
161.74
659.52 @ Lev. T 72° = 659.47
Tract 8658
Blk 24
2X2 per P.E. 2A-346
Fd. L.&T. per City F.B. 16201-27 P.E. 2A-346
Inter. Fd. Sq. Spk. per ties F.B. 16201-27 (City)
KISMET
Fd. Spk. & T. in Drive per F.B. 16201-27
Fd. P.M.s in M.H. rim PE 2A-346
Lot 8
Tract 21778
2X2 per PE 2A-346
Tract 26375
Lot 34 Fd. L&T PE 2B-326
Fd. L.&T. Cb. per PE 2A-346
135.45
130.12
104.10
369.67 @ Lev. T 66° = 369.63
KAGEL CN.
HELA AVE
L&T PE 2B-326
19.80
17.82
147.00
123.48
121.45
291.93 @ Lev. T 66° = 291.90
661.53
L&T Cb. PE 2B-326
Fd. Sq. Spk. & T. on line per PE 2B-326 Lot 23
Fd. L.&T. per PE 2B-326
Contd. top Pg. 62
W.S. 53, D-3
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change
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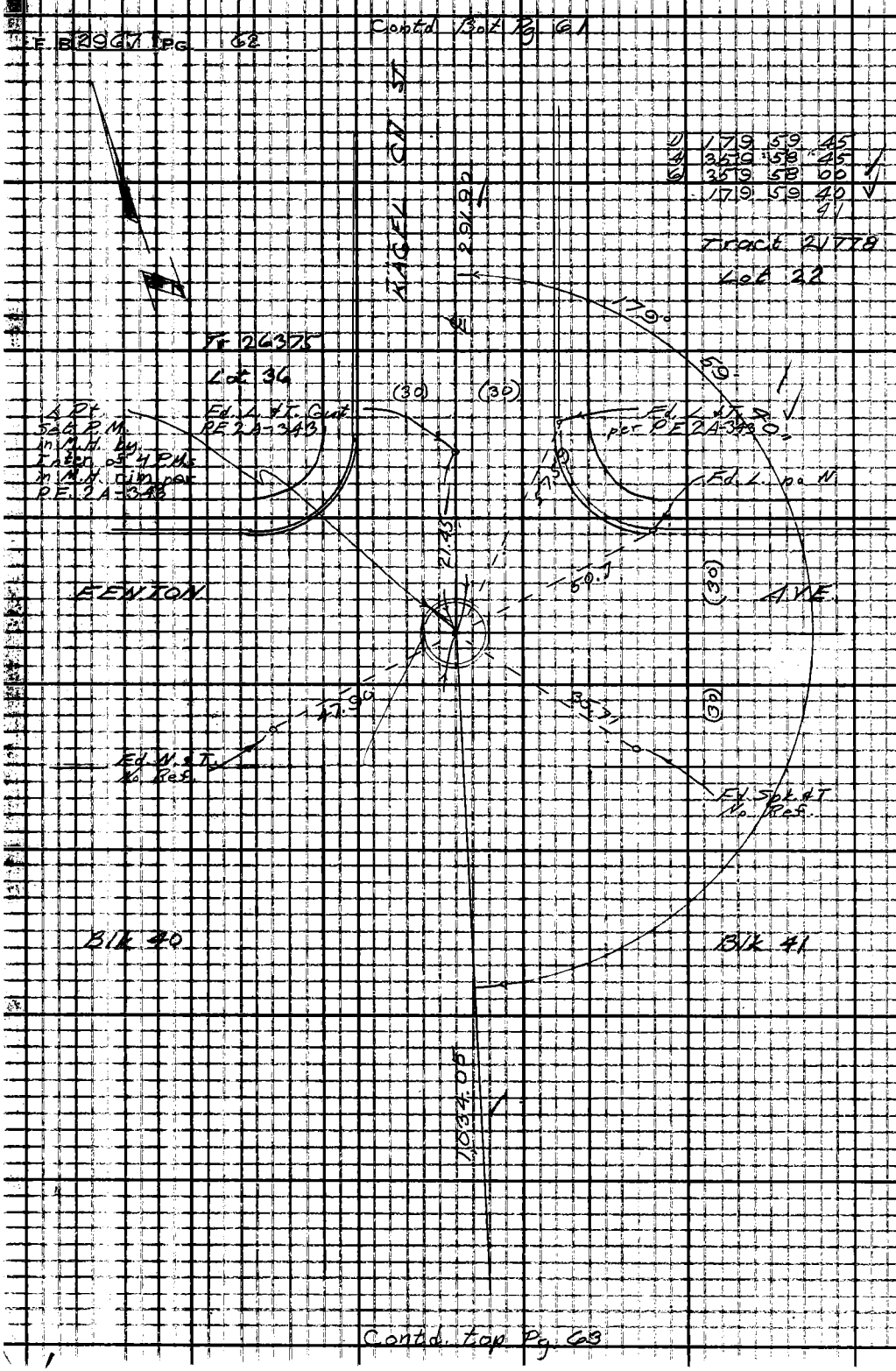
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE #310 6-62



W.S. 53, D-3

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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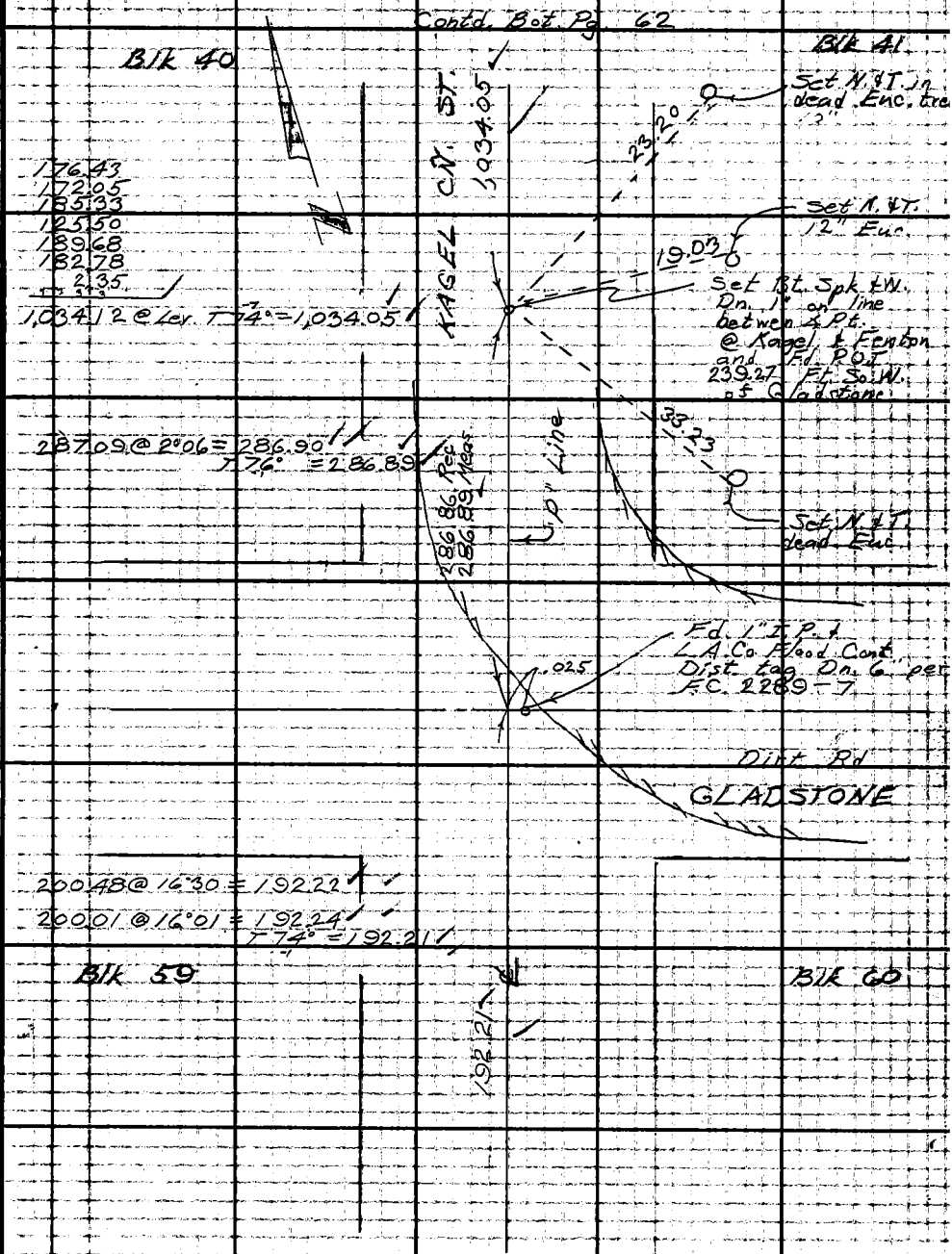
Notes Ck'd by	Survey of Kagel Cñ. Rd.	F.B. 2967 Pg. 66
Map No.	JN 0095.63 Tape 65T Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 29 Oct. 63	
Date	Indexed J. GALLI	

Contd. Bot. Pg. 62



Contd. top Pg. 64

W.S. 53, D-3

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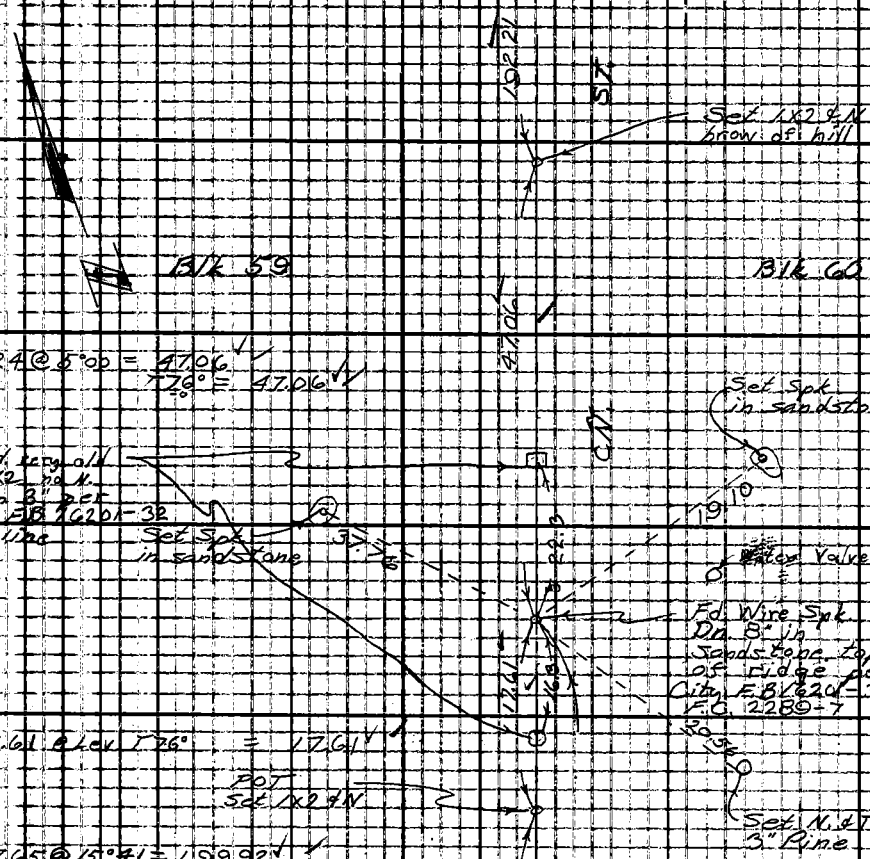
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

Contd. Bot. Pg. 63

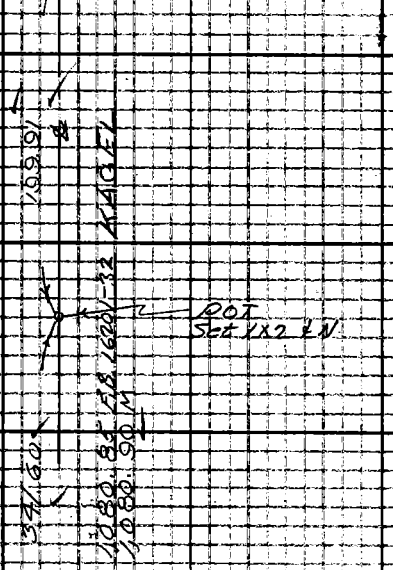


47.24 @ 5°00 = 47.06
T 76° = 47.06

17.61 @ Lev T 76° = 17.61

POT
Set 1X2 & N

207.65 @ 15°41 = 199.92
207.96 @ 15°59 = 199.92
T 76° = 199.91



156.27 @ 6°36 = 155.23
156.11 @ 6°05 = 155.23
T 76° = 155.22

187.59 @ 6°29 = 186.39
187.30 @ 5°39 = 186.39
T 74° = 186.38

341.60

Contd. top Pg. 65

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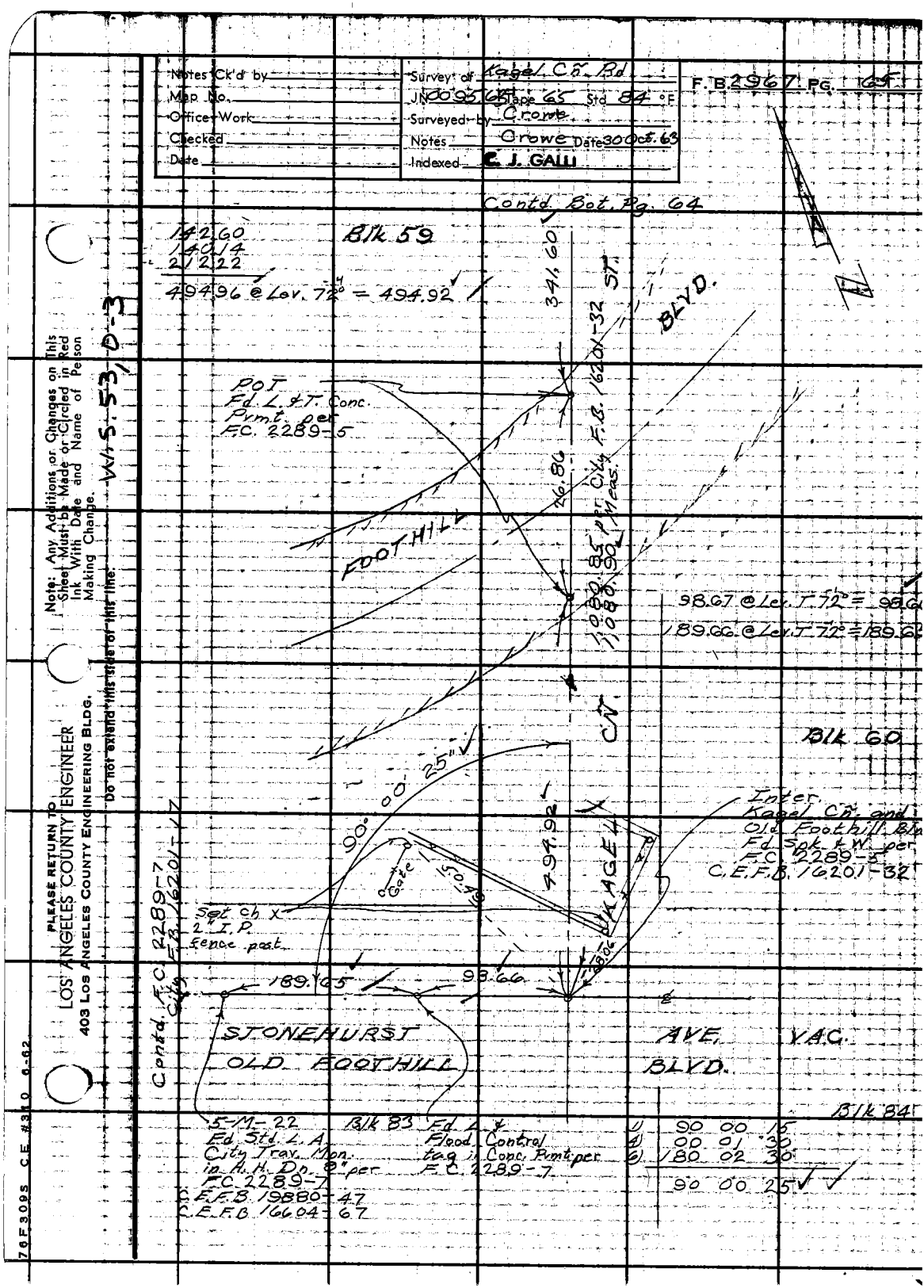
Notes Ck'd by	Survey of Kagel Cñ. Rd	F.B. 2967 Pg. 65
Map No.	JN 0095.65 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 30 Oct. 63	
Date	Indexed C. J. GALLI	



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W.S. 53, D-3

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S C.E. #310 6-62

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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E B 7967 PG

Notes Ch'd by		Survey of Kagel-Lopez Cn. Rd.	F.B. 2967 Pg. 67
Map No.		J.N. Tape 63 Std 84 °F	
Office Work		Surveyed by Crane	
Checked		Notes Crane Date	
Date		Indexed C. J. GALLI	

KAGEL CN - LOPEZ CN LOOP RD.
SECTION LINES

J.N. 0302.01
J.N. 0095.63
J.N. 0095.64

July to Dec. 1963

Reference	Party
F.B. 439	Crane
F.B. 798	Newman
F.B. 1147	Spriggs
C.S.B. 2662	Falsey
L.A. Cty. F.B. 12907	Peterson
C.S.B. 1336-5	

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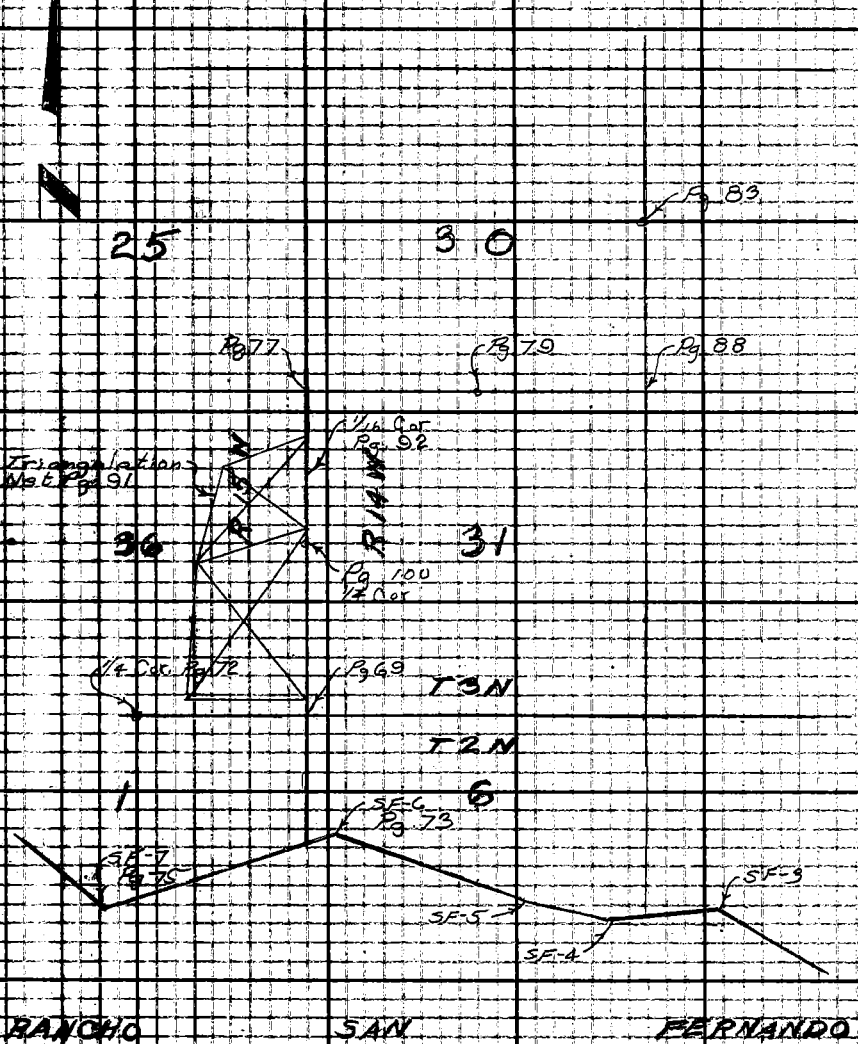
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #30 6-62

F.B. 2967 PG. 65

INDEX



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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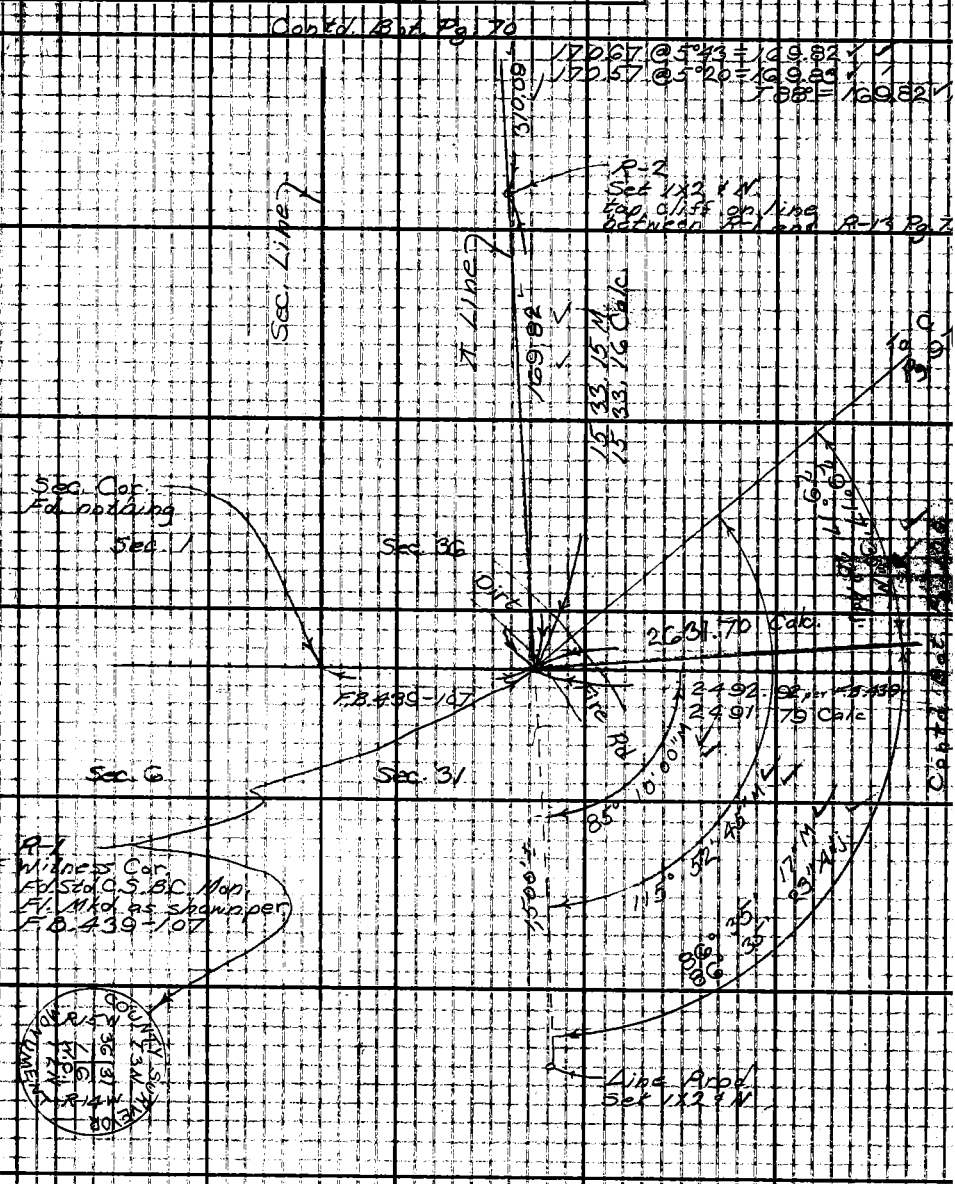
Note: Any Additions or Changes on This Sheet Must be Made for Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lopez Cn. Rd.	F. B. 2967 Pg. 69
Map No.	JN 0095.64 Tape 65 Std. 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 1 Nov. 63	
Date	Indexed C. I. GALL	



1)	29	18	00	1)	86	36	00	1)	115	53	00	1)	85	10	00
4)	117	10	00	4)	346	21	15	4)	103	31	00	4)	340	40	00
6)	175	45	00	6)	159	31	45	6)	335	16	30	6)	151	00	00
	29	17	30		86	35	17		115	52	45		85	10	00

Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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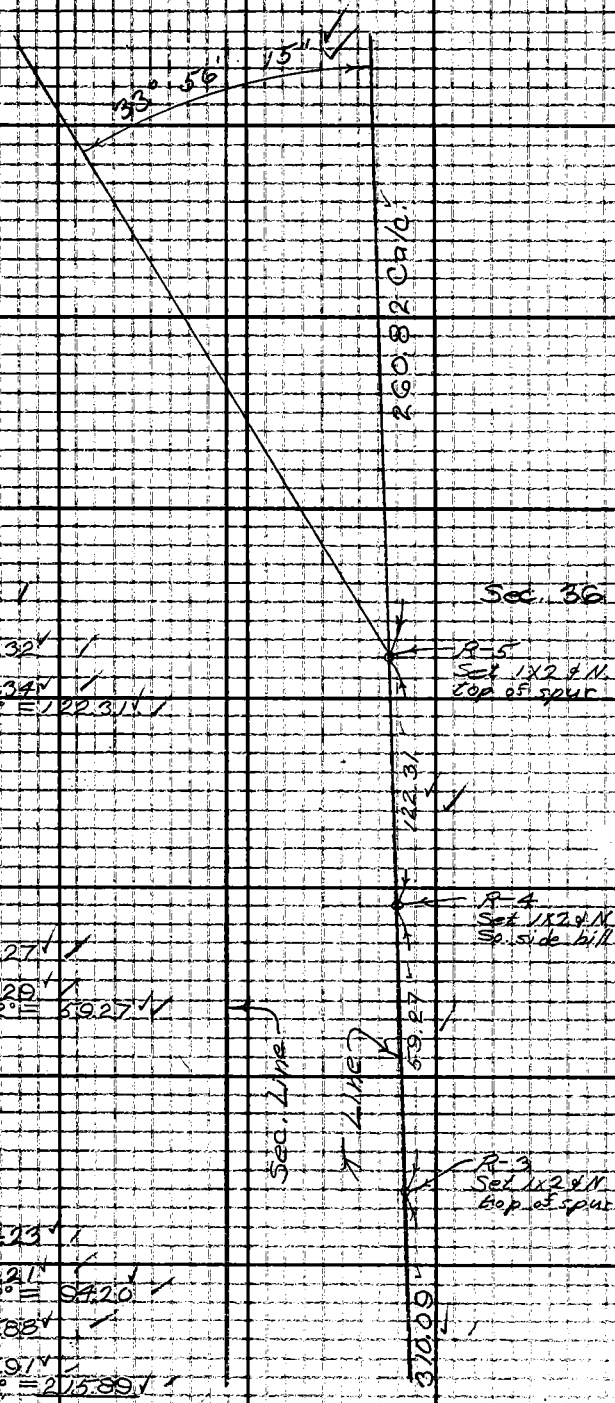
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #3 0 6-62

F.B. 2907 Pg 70

Contd. Rt. Pg. 41



1	33	57	00
4	135	45	00
6	203	37	30
	33	56	15

128.04 @ 17°11 = 122.32

128.51 @ 17°50 = 122.34

T 70° = 122.31

60.05 @ 9°14 = 59.27

60.40 @ 11°00 = 59.29

T 72° = 59.27

94.53 @ 4°41 = 94.23

94.43 @ 3°53 = 94.21

T 72° = 94.20

288.54 @ 41°34 = 215.88

287.40 @ 41°18 = 215.91

T 88° = 215.89

310.09

Contd. top Pg. 69

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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Notes Ck'd by	Survey of Lopez Cñ. Rd	F. B. 2967 PG. 70
Map No.	JN 009564 Tape 65 Sta 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Newman Date 6 Nov. 63	
Date	Indexed J. GALL	

Contd Bot. Pg 72

Sec. 1

Sec. 36

64.63 @ 15°59' = 62.13 62.12
63.82 @ 13°10' = 62.14 187.83
T62° = 62.12 249.95

207.88 @ 25°21' = 187.86
208.30 @ 25°36' = 187.85
T68 = 187.88

Sec. Line

249.95

R-7
Set 1X2 GN

T Line

289.14 @ 22°50' = 266.48
288.63 @ 22°35' = 266.50
T68° = 266.45
94.44
94.45 Level
T68° = 94.44 360.89

360.89

93.78 @ 7°03' = 93.07 = 93.06
93.64 @ 6°15' = 93.08 = 93.07
T68 = -0.01

2.33 level = 2.33

93.06
2.33
95.39

R-6
Set 1X2 GN

171.10 meas.

87°44'20"

Contd. Lt. Pg. 41

1) 87°44'30"
4) 350°57'30"
6) 166°26'00"

87°44'20"

260.82 calc.

95.39

171.83 @ 5°12' T62° = 171.12 = 171.10
171.97 @ 5°39' T62° = 171.13 = 171.11
T60° = -0.02

Contd Lt. Pg. 41

Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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76F309S CE #3 6-62

F.B. 967 PG. 72

Contd. F.B. 439-158

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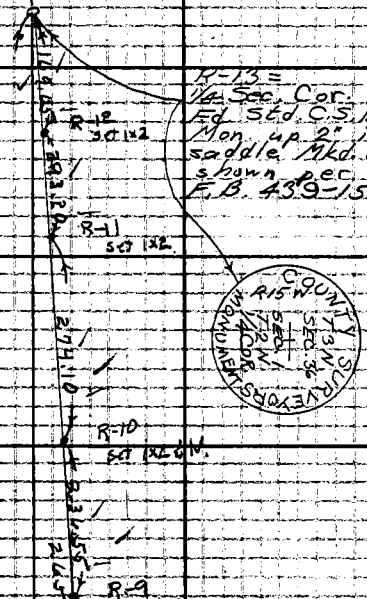
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

M553 c2

Sec. 1

Sec. 36

169.36 @ 3°10' = 169.10
169.22 @ 2°18' = 169.08
+60° = 169.05



293.50 @ 2°22' = 293.25
293.45 @ 1°59' = 293.2
+60° = 293.20

225.89 @ 8°55' = 223.15
226.33 @ 9°27' = 223.16
+58° = 223.11
51.00 level +62° = 50.99
274.10

236.59 level +60° = 236.55

145.08 level +62° = 145.06

R-13 = 1/4 Sec. Cor. Fd. Std. C.S.B.C. Mon. up 2" in saddle. Mkd. as shown per F.B. 439-158

COUNTY SURVEYORS
R15W T3N
SEC. 36
SEC. 1
T2N
1/4 COR.
MONUMENT

R-12 set 1x2

R-11 set 1x2

R-10 set 1x2 & N.

R-9 1x2 & N

R-8 set 1x2 & N.

Sec. Line

169.05
293.20
274.10
236.55
265.11
145.06
249.95

(See also Pg. 98)

Contd. top Pg. 71

Notes Ck'd by
Map No.
Office Work
Checked
Date

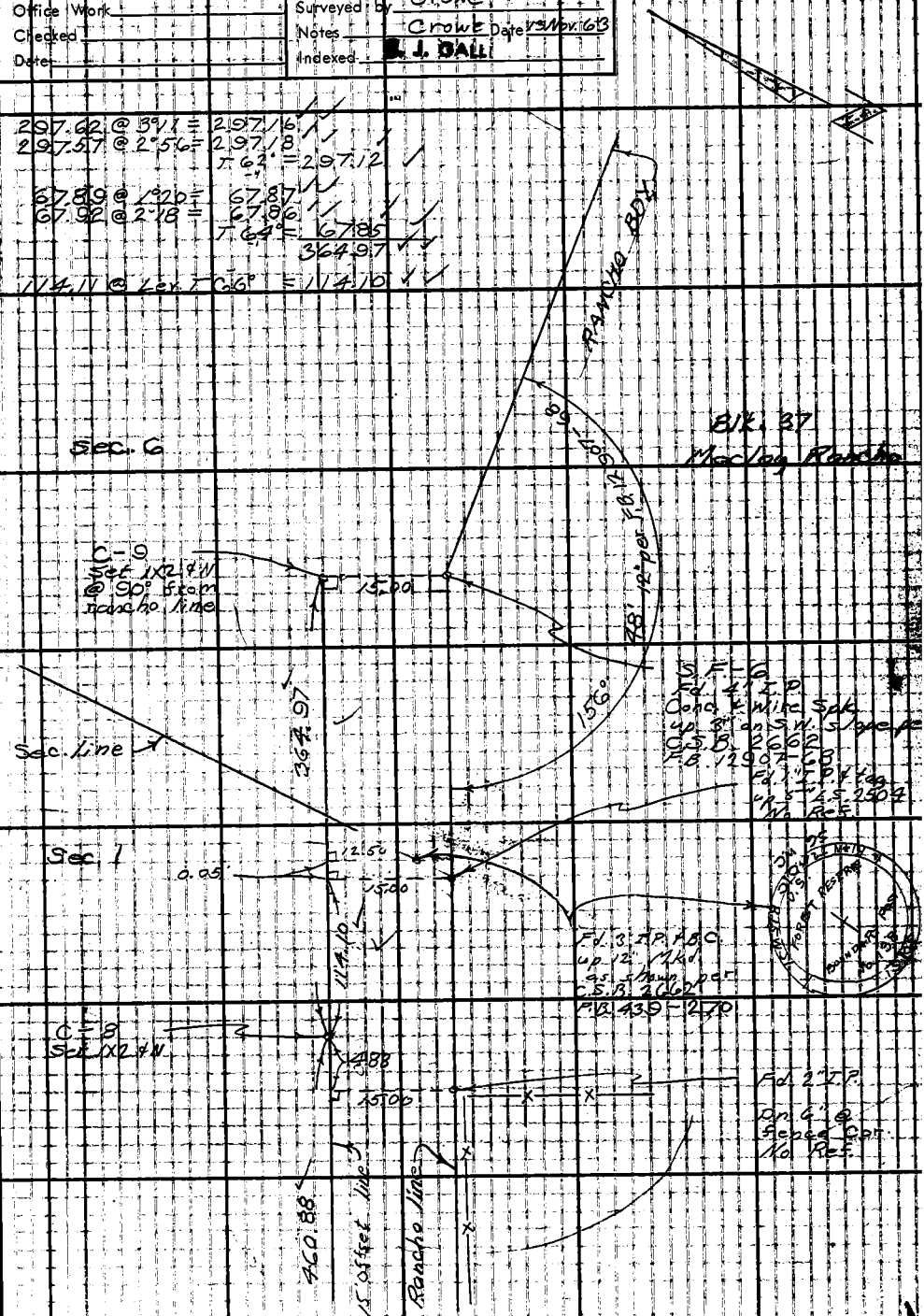
Survey of Nagel-Lopez Cn. Rd.
JN 0095.63 / 0095.64 Tape 65 Std 84 °F
Surveyed by Crowe
Notes Crowe Date 13 Nov. 63
Indexed B. J. GALLI

F. B. 2967 PG. 78

297.62 @ 3°11 = 297.16
297.57 @ 2°56 = 297.18
T 62° = 297.12

67.89 @ 1°20 = 67.87
67.92 @ 2°18 = 67.86
T 64° = 67.85
364.97

114.11 @ Lev. T 66° = 114.10



Contd. top Pg. 74

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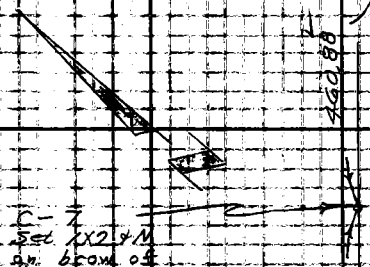
76F3095 CE #3 0 6-62

F.B. 4967 PG 74

Contd. Bot. Pg. 73



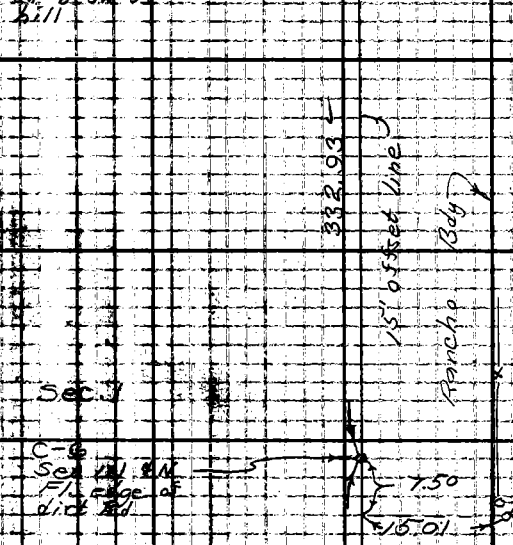
268.60 @ 3°07 = 268.20
268.51 @ 2°39 = 268.22
T 62° = 268.16

193.09 @ 3°26 = 192.74
193.29 @ 4°14 = 192.76
T 70° = 192.72
460.88

185.14 @ 7°12 = 183.68
184.81 @ 6°20 = 183.68
T 66° = 183.66

143.36 @ 3°16 = 143.13
143.55 @ 4°25 = 143.12
T 68 = 143.11

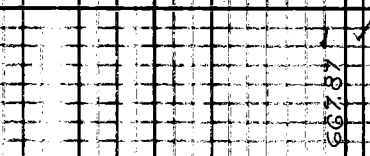
6.16 @ Lev = 6.16
6.60 @ 21°06 = 6.16
T 68 = 6.16
332.93



209.17 @ 5°12 = 208.31
208.98 @ 4°31 = 208.33
T 66° = 208.29

187.75 @ 3°39 = 187.37
187.90 @ 4°15 = 187.38
T 70° = 187.35

272.64 @ 3°04 = 272.25
272.62 @ 2°58 = 272.25
T 72° = 272.23
667.87



Contd. Rt. Pg. 48

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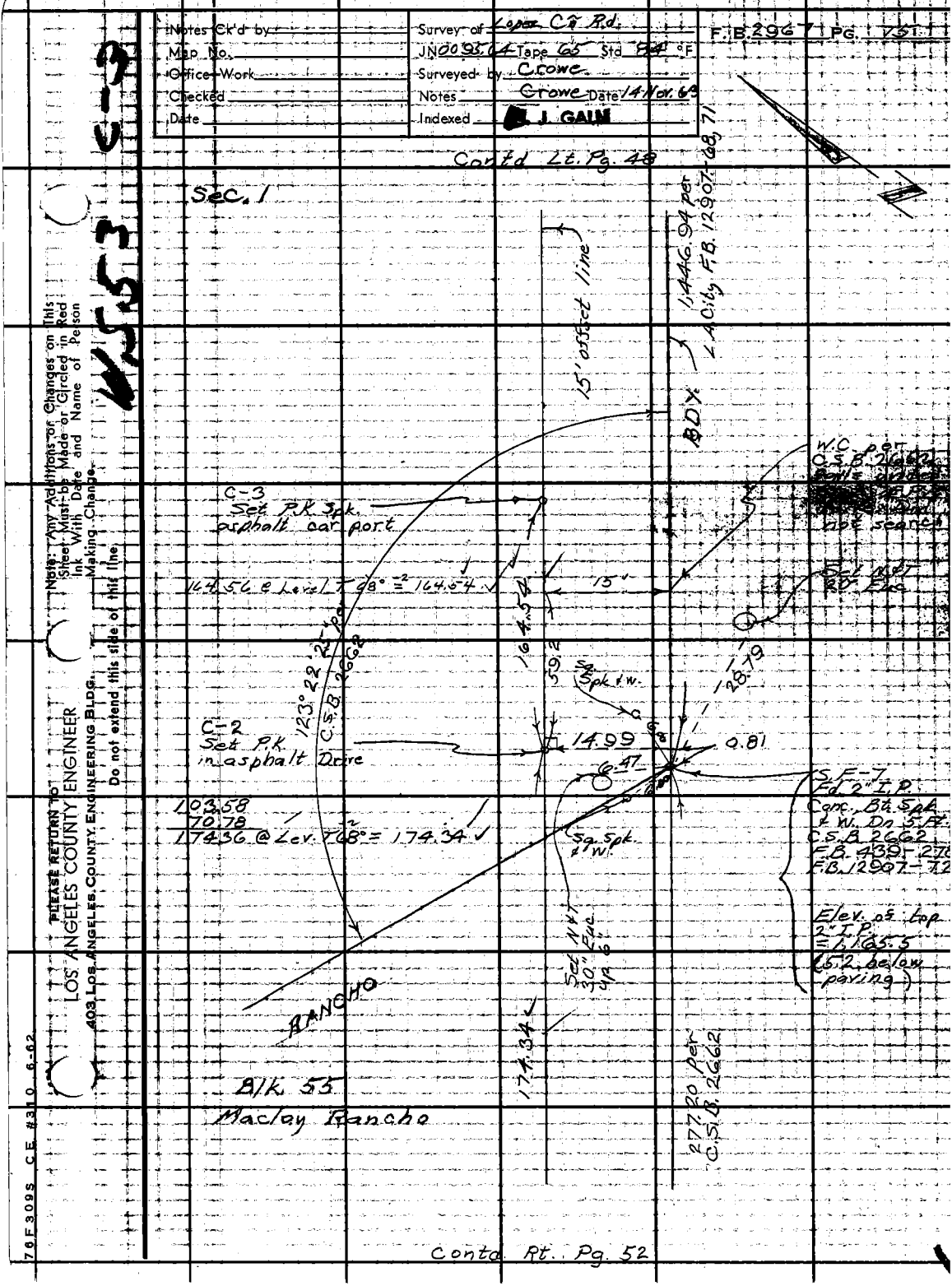
Notes Ck'd by	Survey of Lopez Cñ Rd.	F.B. 2967 PG. 151
Map No.	JN 0095.64 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 14 Nov. 69	
Date	Indexed J. GALM	



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76F309S CE #310 6-62

Notes: Ck'd by
Map No.
Officer Work
Checked
Date

Survey of Lopez Cyn. Rd
JN 0095.64 Page 161 Std 84 °F
Surveyed by I Crowe
Notes Crowe Date 3/10/63
Indexed E. J. GAME

F.B. 2967 PG. 77

Cont'd Bot. Pg 78

1	191	29	30	
2	205	58	00	
3	188	57	00	
	191	29	30	✓
1	190	28	00	
2	205	52	00	
3	188	48	00	
	191	28	00	✓
1	190	08	30	
2	200	34	00	
3	188	51	00	
	190	08	30	✓

Sec. Line
35 53.70

Sec 30

T. Line

Sec 31

Up ridge

N 00° E

0.02

Ed. 3½ I.P. w. plug 1.8' bel. top of ridge per F.B. 708-77

51.79 @ 14°36' = 50.12
51.96 @ 15°22' = 50.10
T 82° = 50.10
51.50 @ 11°26' = 50.48

28844.07
50.11 Rec.
50.10 Calc.

Calc. by
Calc. Pg. 41
Calc. Pg. 42

Sec. Line

70.42 calc.

T. Line

0.14

70.40

1,330.74 Total

Line Prods. Set 1x2 4N

Ed. U.S.F.S. B.C. Mon. on 3½ I.P. w/ U.S. Mkd. as shown per

Sec. Cor. Fd. Std. C.S.B.C. Mon. Mkd. as shown on N. side 40.7' N. of ridge per F.B. 708-77

Sec 25

Line Prods. Set 1x2 4N ridge

Sec 36

U.S. FOREST SERVICE
BOUNDARY POST
No. 1937
15 P5 N.M.M.
S 56

SURVEYORS MONUMENT
Fd. 3½ I.P. w/ plug
0.225 + 30
0.936 + 31
Grid

WASSERD

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76F309S C.E. #310 6-62

F.B. 2987 Pg. 78

Contd. Lt. Pg. 27

129.45 @ Lev. = 129.45

129.68 @ 3°24 = 129.45
T 74° = 129.44

238.63 @ 20°28 = 223.57

238.30 @ 20°14 = 223.59
T 76° = 223.56

70.92 @ 31°01 = 60.78

69.79 @ 29°27 = 60.77
T 78° = 60.77

215.47 @ 11°44 = 210.97

215.41 @ 11°38 = 210.99
T 80° = 210.96

158.48 @ 26°00 = 142.44

158.03 @ 25°40 = 142.44
T 80° = 142.44

353.40

Contd. top Pg. 77

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Notes Ck'd by		Survey of Lopez Cñ. Rd.	F.B. 2967 PG. 79
Map No.		JN 0095 Tape 65 Sta 84 °F	
Office Work		Surveyed by Crowe	
Checked		Notes Crowe Date 31 Oct 68	
Date		Indexed C. J. GALLI	

Contd. Lt Pg. 88

COUNTY SURVEYOR T3N 14W SEC. 30 + SEC. 31 1/4 COR. RE 21-77

1/4 Sec. Cor.
Fd. Std. C.S.B.C. Mon.
Fl. Mkd. as shown
on N.W. slope
106' ± W. of ridge top
per F.B. 798-76

2,644.21 per F.B. 798-76

1.20 per F.B. 798-76

2,644.21 per F.B. 798-76 To Sec. Cor.

Sec. 30

Sec. 31

Fd nothing

6.22 Rec.

1X2 & N. per F.B. 798-76

To Sec. Cor.
2,844.97 per F.B. 798-77

Sec. Line

490.55 Rec.

F.B. 798-76 To Sec. Cor.

1X2 & N. per F.B. 798-76

92.37 Rec.

T. Line per 2,844.97

3/4" T.P. per F.B. 798-76

670.84 Rec.

Contd. top Pg. 80

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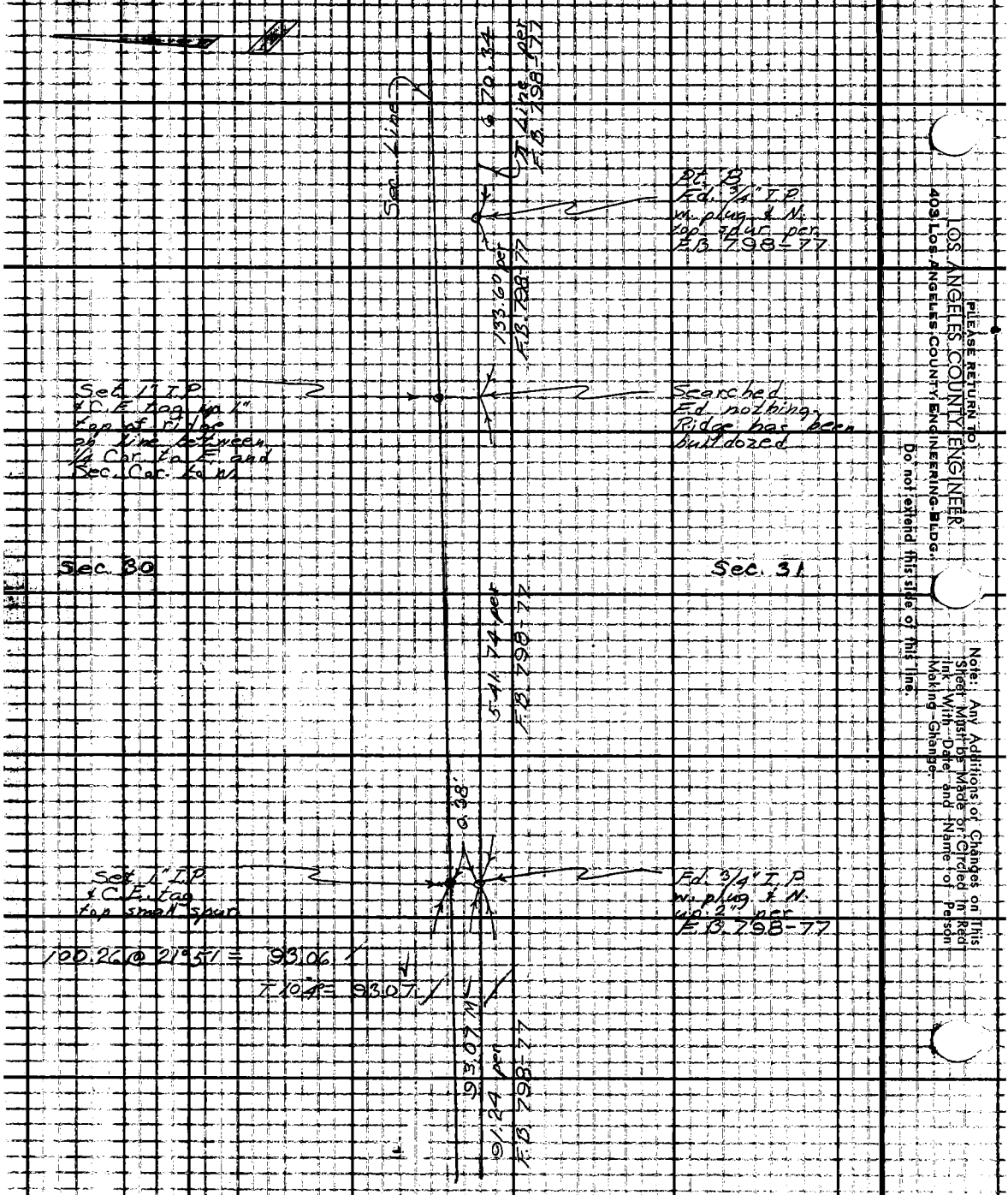
76F309S CE #310 6-62

F.B. 2967 Pg. 80

Contd. Bot. Pg. 79



Contd. Pt. Pg. 27

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Notes Ck'd by	Survey of Lopez Cn. Rd.	F.B. 2967 PG. 81
Map No.	JN 0095 Tape 65 Std 84 °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

BLANK

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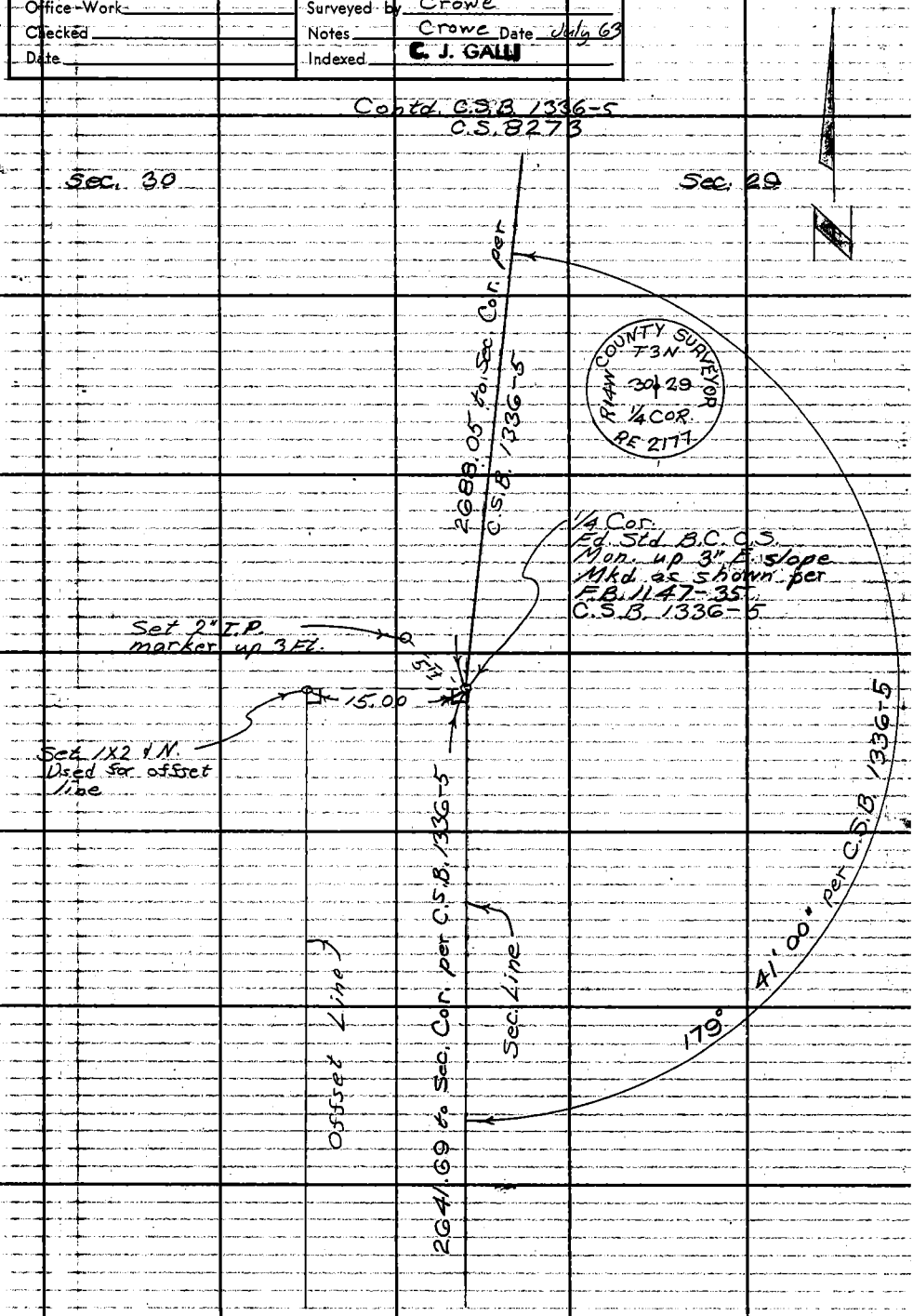
76F3095 C.E. #310 6-62

Notes Ck'd by	Survey of Kagel Cñ Rd.
Map No.	JN 0095.63 Tape 144 Std 84 °F
Office-Work	Surveyed by Crowe
Checked	Notes Crowe Date July 63
Date	Indexed C. J. GALLI

F. B. 2967 PG. 83



Contd top Pg 84

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PLEASE RETURN TO:
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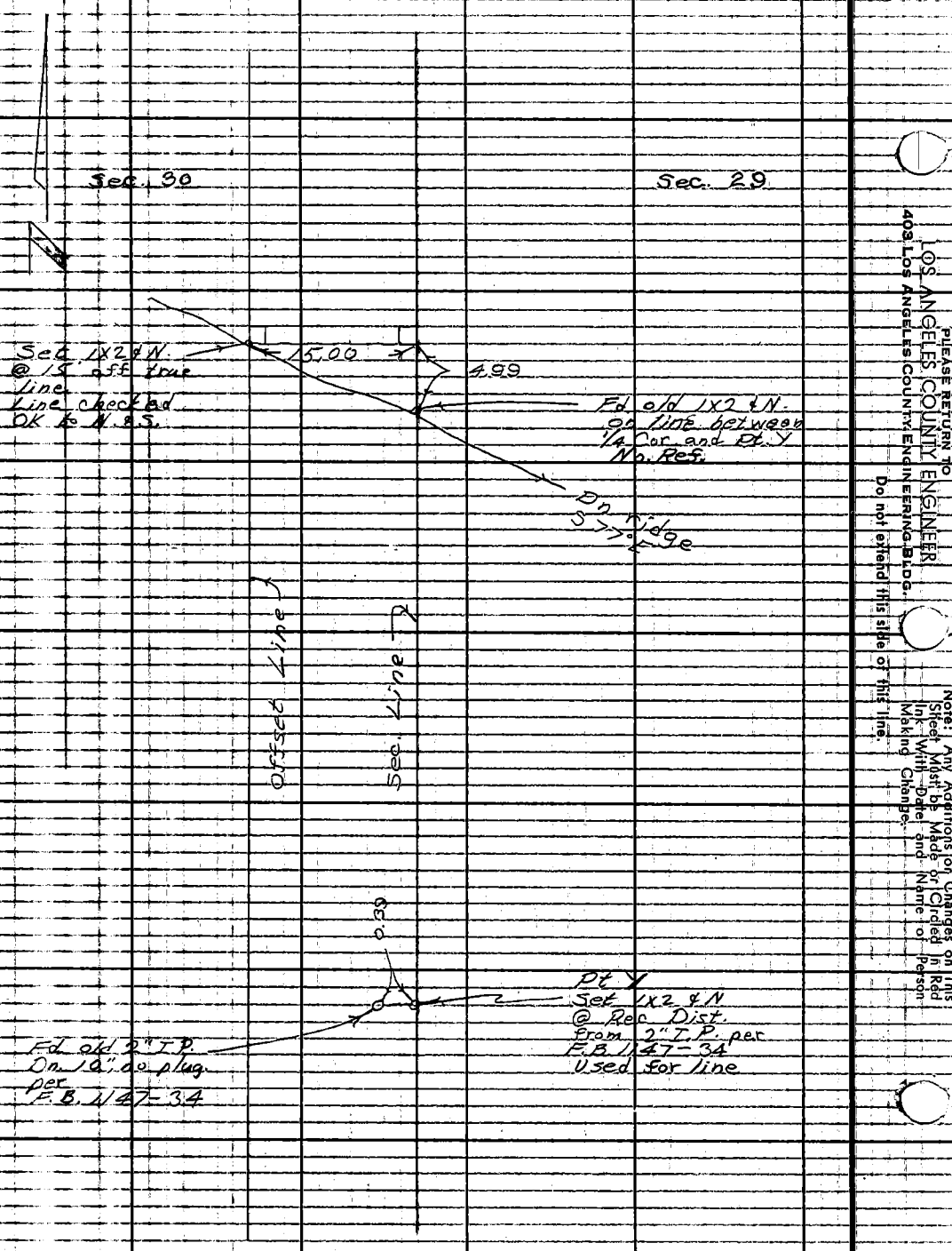
76F3095 CE # 310 3-61

 Contd. Bot. Pg. 83



Contd. top Pg. 85

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Notes Ck'd by	Survey of Kagel Cñ. Rd.
Map No.	JN 0095.18 Tape 144 Std 84 °F
Office-Work	Surveyed by Crowe
Checked	Notes Crowe Date 31 July 63
Date	Indexed C. J. GALLI

F. B. 2967 PG. 83

Contd. Bot. Pg 84

Sec. 30

Sec. 28

Fd. 1X2 & N. No Ref.

10.91

Set 1X2 & N. @ 15' offset true Sec. line Line Checked OK to N. & S.

15.00

Set 1X2 & N. top ridge on line between Pt. X Pg 85 and Pt. Y Pg 84

7.60

177.51 @ 10°38 = 174.46 ✓

177.89 @ 11°15 = 174.47 ✓

T 82 = 174.46

4.2 ±

Fd remains of old 1X2 (No N.) top ridge per F.B. 1147-34

Fd 2" I.P. & cap up 6 Ft. No Ref.

174.49 Rec F.B. 1147-34

174.46 M ✓

15' offset line

Sec. Line 166.89 per F.B. 1147-34

Fd. ½" I.P. & N. up 4" per F.B. 1147-34

Pt X Set Nail @ Rec. Dist. from ½" I.P. per F.B. 1147-34 Used for line

Set 1X2 & N. Used for offset line

14.77

0.23

163.89 @ 13°38 = 159.27 ✓

163.08 @ 12°24 = 159.28 ✓

T 90° = 159.28

56.63 @ 8°27 = 56.01 ✓

56.45 @ 7°07 = 56.01 ✓

T 82 = 56.01

92.02 @ 13°25 = 89.51 ✓

92.37 @ 14°18 = 89.51 ✓

T 88° = 89.51

304.78 ✓

304.78

520.41 Rec.

Contd. top Pg. 86

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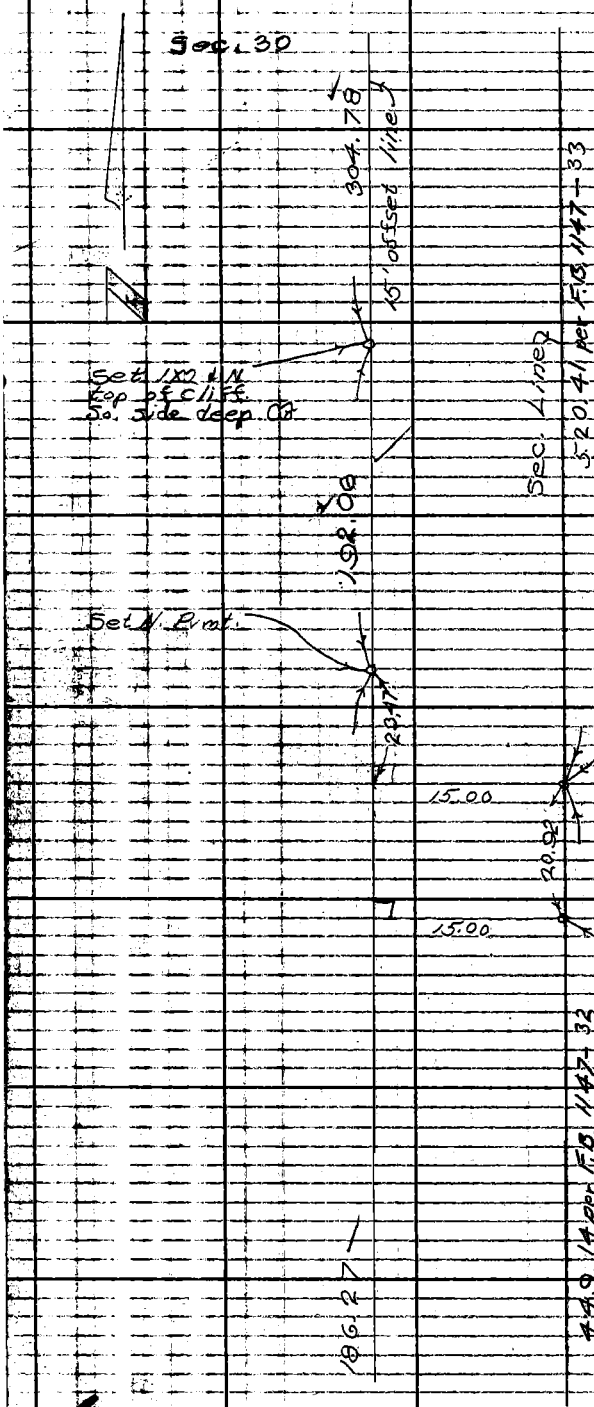
76F3095 CE # 310 3-61

F. B. 2967 PG. 86 Contd. Bot. Pg. 85



Sec. 29

92.69 @ 3°57 = 92.47

92.62 @ 3°12 = 92.48

T 8°8° = 92.47

99.78 @ 3°30 = 99.59

99.90 @ 4°31 = 99.59

T 8°4° = 99.59

192.06

Contd top Pg. 87

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Notes Ck'd by	Survey of Kagel Cñ. Rd.
Map No.	JN 0095.63 Tape 144 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 31 July 63
Date	Indexed C. J. GALLI

F. B. 2967 PG. 87

Contd. Bot. Pg. 86

Sec. 30

Sec. 29

186.27

186.68 @ 3°48 = 186.27

186.65 @ 3°36 = 186.28

T 84° = 186.27

Set 1X2 & N.

140.56 @ 3°00 = 140.37

140.68 @ 3°46 = 140.38

T 84° = 140.37

140.37

15' offset line

Sec. Line

1147-32

15.00

Set 1X2 & N.

Set 1X2 & N.
top of cliff
NE side Cñ

83.30 @ 27°30 = 73.89

T 86° = 73.89

72.60 @ 7°06 = 72.04

T 84° = 72.04

145.93

145.93

449.14 per F.B.

Contd. top Pg. 88

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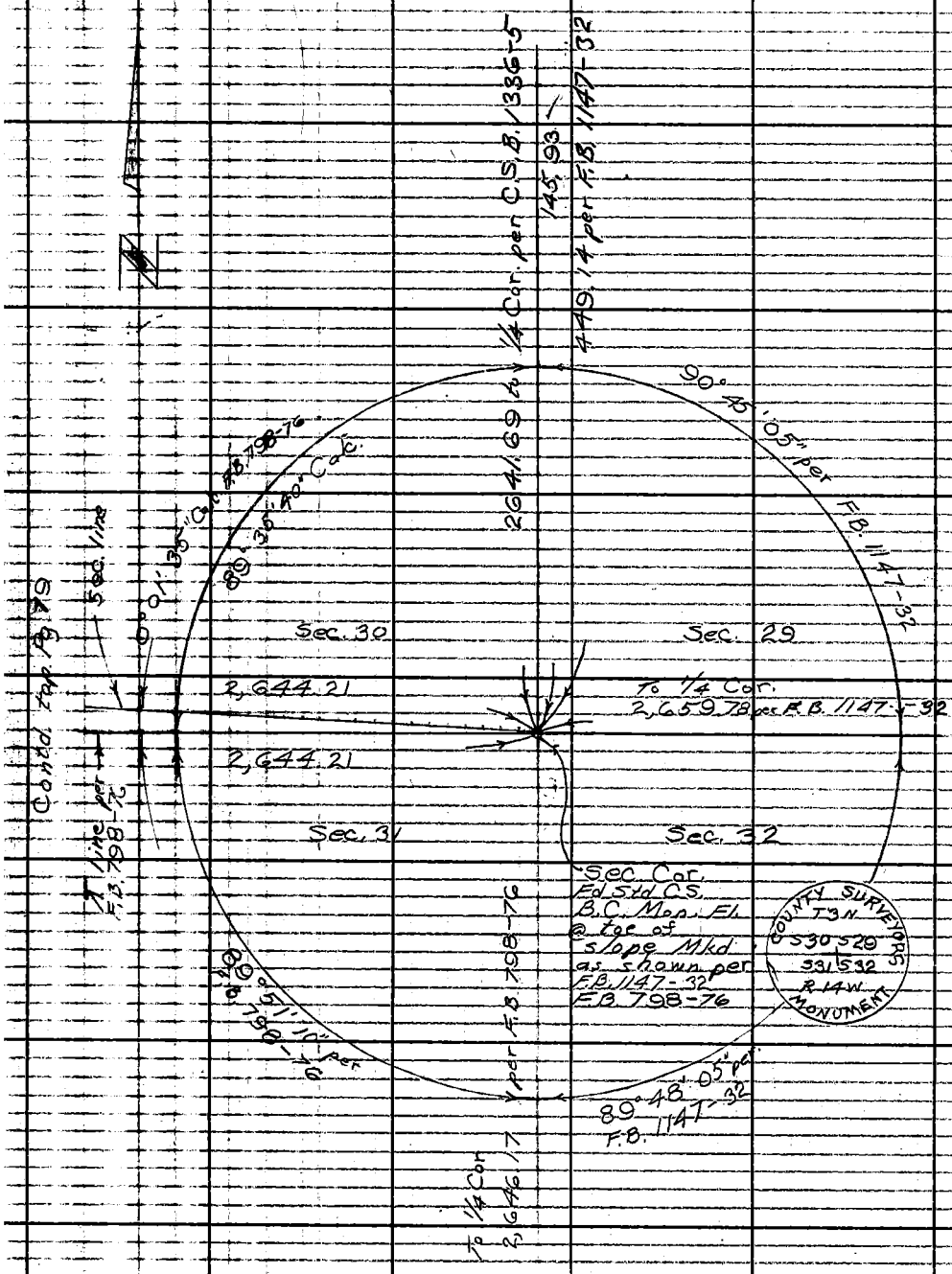
76F309S CE # 310 3-61

Contd. Bot. Pg. 87



Contd. F.B. 798-76

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W.S. 79, A-5, W.S. 53, B-1

Notes Ck'd by	Survey of Lopez Cz. Rd.	F.B. 2967 Pg. 89
Map No.	JN 0095.64 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 63	
Date	Indexed C. J. GALLI	

Contd. Rt. Pg. 77

38.51 @ 17°21 = 36.76
37.82 @ 13°36 = 36.76
T 72° = 36.76

37.00 @ 24°37 = 33.64
38.00 @ 27°41 = 33.65
T 68° = 33.64
70.40

70.40

70.42 Calc.

Sec. 36

Sec. 31

T Line

Sec. line

Set 1" T.P. & C.E. to up 1" on Sec. line in rock Md. top of ridge.

A-5
Set 1x2 & N. top of ridge on line between Sec. Cor. Pg. 77 and W.C. Pg. 69

1.63

47.15 @ Lev. = 47.15
47.27 @ 4°10 = 47.15
T 72° = 47.15

47.15

A-4
Set 1x2 & N top ridge

320.61 Calc.

273.42 @ 1°04 = 273.37
273.48 @ 1°30 = 273.39
T 72° = 273.37

273.37

Contd. top Pg. 90

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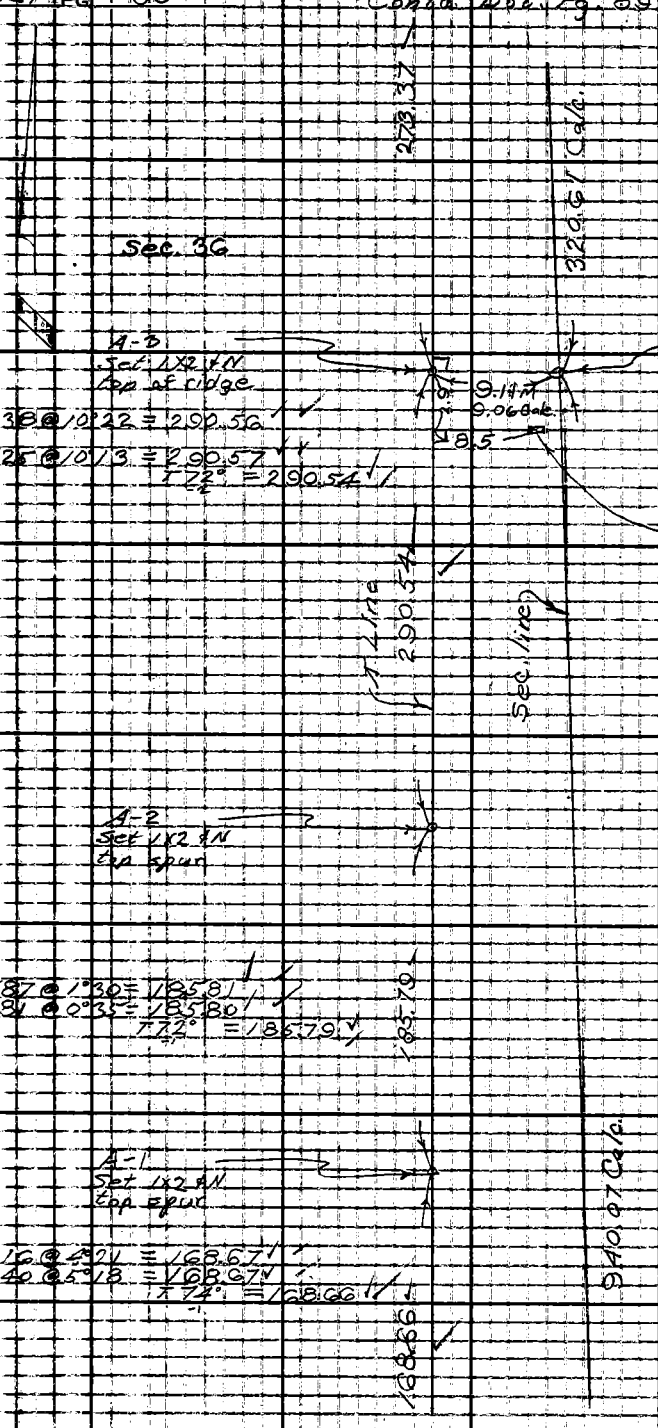
76F309S CE #310 6-62

Contd. Bot. Pg. 89



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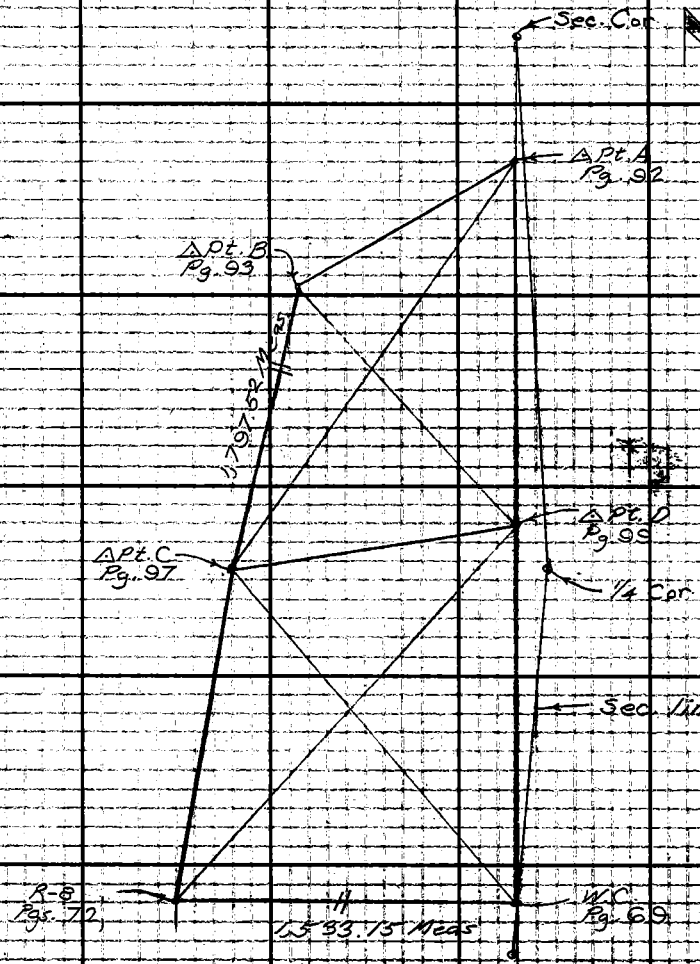
Contd. top Pg. 92

Notes Ck'd by	Survey of Lopez Cr. Rd.	F.B. 2967 Pg.
Map No.	JN 0095.64 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date Nov. 63	
Date	Indexed C. J. GALLI NOV 1 '64	

TRIANGULATION SCHEME



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76F309S CE #310 6-62

Contd. Bot. Pg. 90

237.22 @ 11°07 = 232.77
237.41 @ 11°22 = 232.75
T 64 = 232.72

Sec. 36

Sec. 31

Sec. line

940.07 Calc.

Line 768.66

73.03 @ 27°32 = 64.76
72.05 @ 26°00 = 64.76
T 60° = 64.75
35.80 @ 30°30 = 30.85
36.04 @ 28°18 = 30.85
T 66° = 30.85

Δ Pt. A
Set 1" I.P.
wood plug & N.
top of spur

232.72

1,330.74 Total

8 14 54 Calc.

To B Pg. 93

Set 1X2 & N

63°28'35"

64.75

30.85

2.64

Set 1X2 & N

1/16 Cor.
Fd. Std. C.S.B.C.
Mon. up 3"
Mkd. as shown per
F.B. 798-77
F.B. 439-111
Note: Markings are
Diff. from F.B. 439

COUNTY SURVEYORS MONUMENT

35°
35°
34°
34' 56" M.
52" Adj.
27° 53' 45" M.
27° 53' 39" Adj.

1,484.90 Calc.

768.56 Calc.

1° C Pg. 97

1)	35	35	00
4)	142	19	30
6)	213	29	00
	35	34	50

1)	27	54	00
4)	111	35	00
6)	167	22	30
	27	53	45

1)	63	28	30
4)	253	54	00
6)	20	51	30
	63	28	35

Contd. ~~Top~~ Pg. 32

WS53/D-2

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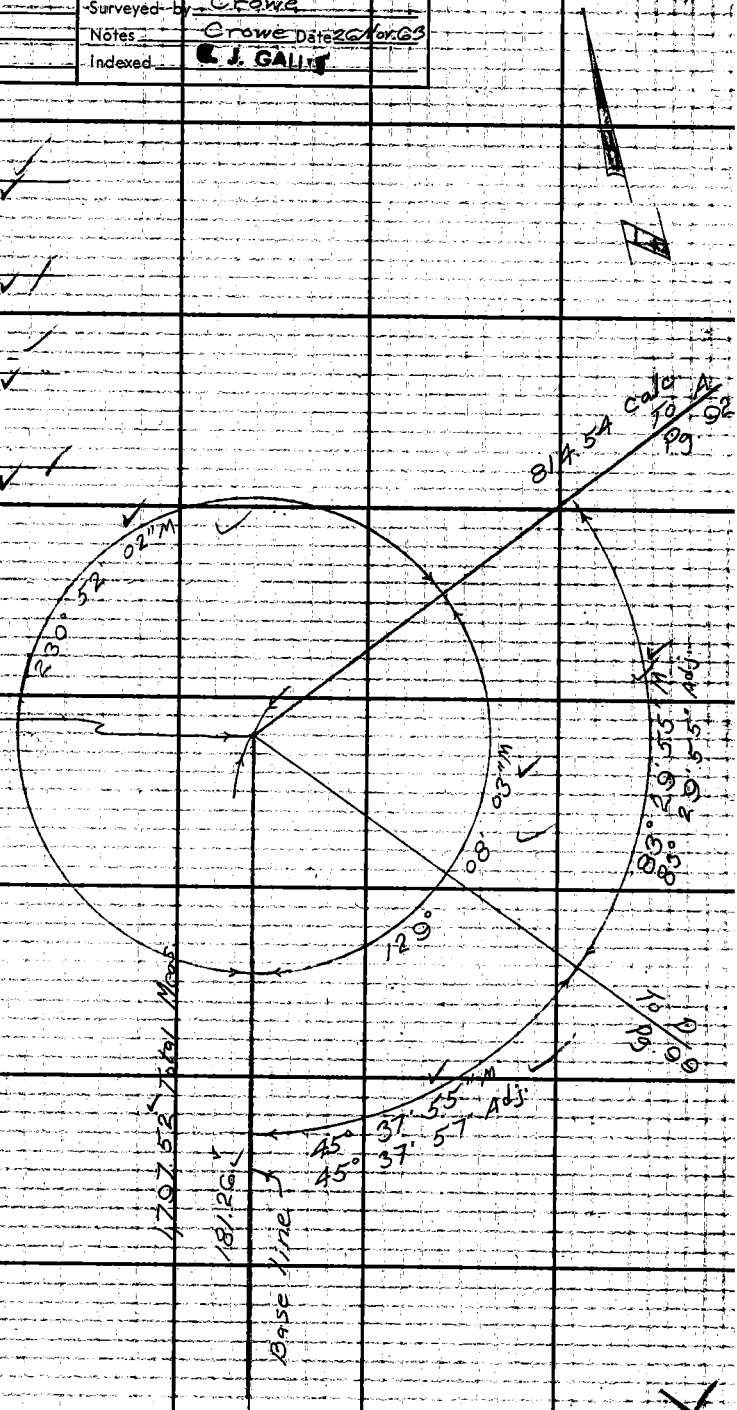
Notes Ck'd by	Survey of Lopez Cn. Rd	F. B. 2967 PG. 93
Map No.	JN 0095 64 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 26 Nov. 63	
Date	Indexed J. GALLIS	

1)	129	07	45
4)	156	32	15
6)	54	48	15
	129	08	03
1)	45	38	00
4)	182	31	45
6)	273	47	30
	45	37	55
1)	83	30	00
4)	333	59	30
6)	140	59	30
	83	29	55
1)	230	52	13
4)	203	28	30
6)	305	12	15
	230	52	02



△ Pt. B
Set 1" I.P.
wood plug
& N. up 1"
top of Pk

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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76F309S CE #310 6-62

Contd. top Pg 94

Contd. Bot. Pg. 93

181.26

C-8
S&E 1X2 7N
Side hill

181.37 @ 1°54 = 181.27
181.46 @ 2°36 = 181.27
TTG: = 181.26

263.52

263.31 @ 8°17 = 263.53
263.80 @ 7°36 = 263.55
TTG: = 263.52

C-7
S&E 1X2 7N
Top spur

186.44

Base line

C-6
S&E 1X2 7N
Top spur

189.10 @ 9°36 = 186.45
189.54 @ 10°20 = 186.47
TTG: = 186.44

163.39

Contd. top Pg. 95

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Notes Ck'd by	Survey of Lopez Cñ Rd	F.B. 2967 Pg. 95
Map No.	JN 0096.64 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 26 Nov. 63	
Date	Indexed J. GALLI	

Contd. Bot. Pg. 94

164.58 @ 2°38 = 164.41
164.62 @ 2°59 = 164.40
T 72° = 164.39

164.39

C-5
Set 1X2 & N
top spur

179.61 @ 3°39 = 179.25
179.46 @ 2°41 = 179.26
T 70° = 179.23

179.23

C-4
Set 1X2 & N
top spur

Base line

289.57

Contd. top Pg. 96

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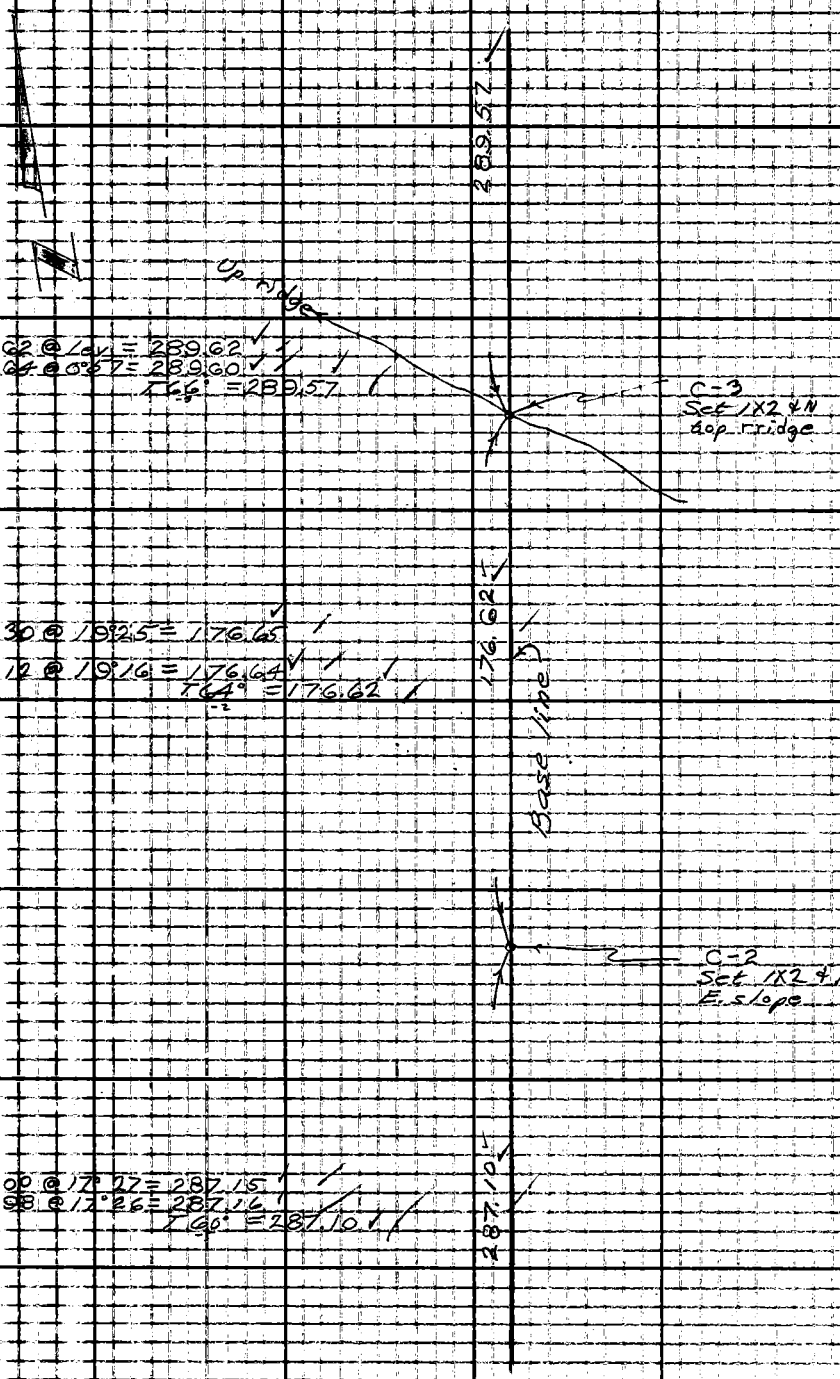
76F309S CE #310 6-62

Contd. Bot. Pg. 95



289.62 @ Lev = 289.62
289.64 @ 0°57 = 289.60
T 66° = 289.57

187.30 @ 19°25 = 176.65
187.12 @ 19°16 = 176.64
T 64° = 176.62

301.00 @ 17°27 = 287.15
300.98 @ 17°26 = 287.16
T 60° = 287.10

Contd. top Pg. 97

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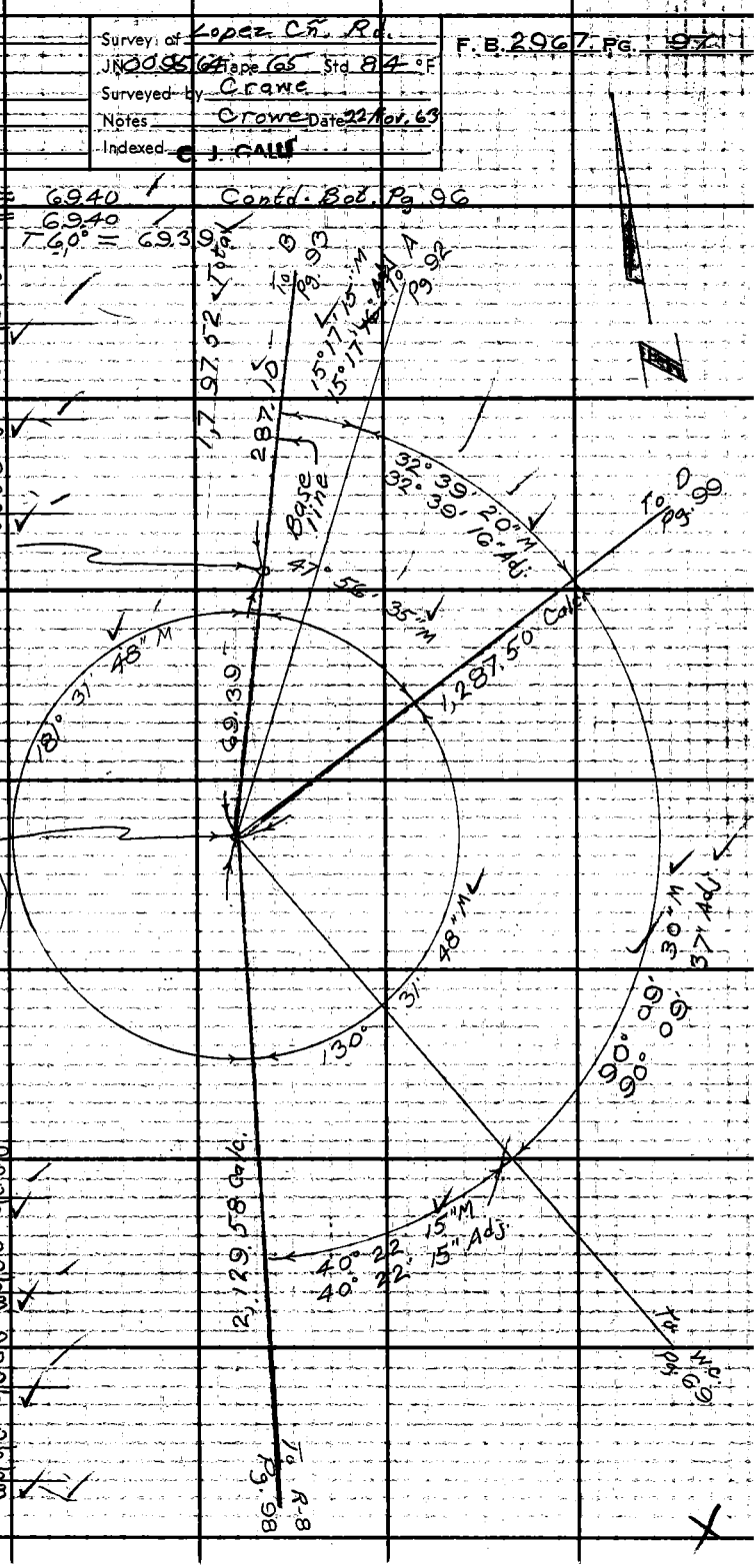
Notes Ck'd by		Survey of Lopez Cn. Rd.	F.B. 2967 Pg. 97
Map No.		JN 00 85 64 Tape 65 Std 84 °F	
Office Work		Surveyed by Crowe	
Checked		Notes Crowe Date 22 Nov. 63	
Date		Indexed C. J. CALL	

70.33 @ 9°20" = 6.940 Contd. Bot. Pg. 96
70.19 @ 8°35" = 6.940
T.60° = 6.939

1	15	17	00
4	61	09	00
6	91	43	30
	15	17	15
1	32	39	30
4	130	37	30
6	195	56	00
	32	39	20
1	90	09	00
4	100	38	00
6	180	57	00
	90	09	30

C/
Set 1x2 & N
on brow



1	40	22	00
4	161	29	00
6	242	13	30
	40	22	15
1	130	31	30
4	162	07	00
6	63	10	45
	130	31	48
1	47	57	00
4	191	46	30
6	287	39	30
	47	56	35
1	181	32	00
4	006	07	15
6	009	10	45
	181	31	48

△ Pt. C
Fd. 2" I.P. &
Cap in Conc.
pad Fl. Mkd.
as shown,
no Ref.

I.O.F. No. 2

L.A.W.D.
1950

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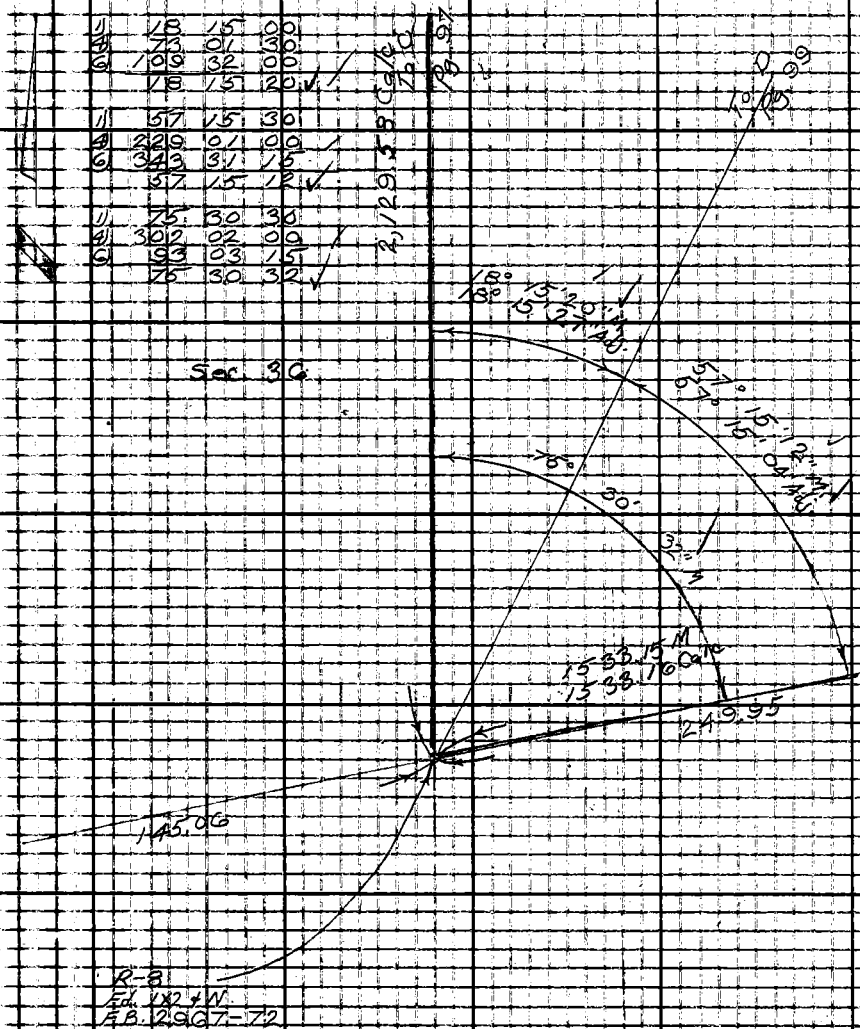
76F3095 CE #310 6-62

F.B. 2967 Pg. 98

1)	18	15	00
4)	73	01	30
6)	109	32	00
	18	15	20 ✓
1)	57	15	30
4)	229	01	00
6)	343	31	15
	57	15	12 ✓
1)	75	30	30
4)	302	02	00
6)	93	03	15
	75	30	32 ✓



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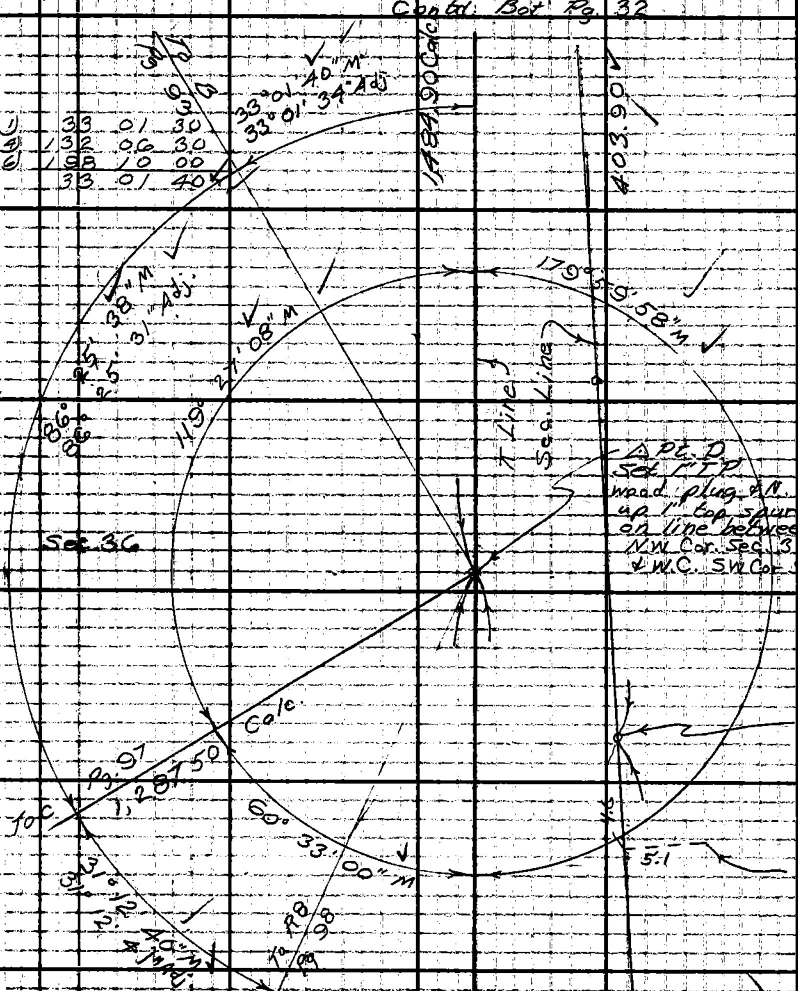
Notes Ck'd by		Survey: of	Lopez Cn. Rd.
Map No.		J.N. 00 95.64 Tape 65 Std 84 °F	
Office Work		Surveyed by	Crowe
Checked		Notes	Crowe Date 21 Nov 63
Date		Indexed	C. J. GALLI

F. B. 2967 PG. 99

Contd. Bot Pg. 32

1)	33	01	30
4)	132	06	30
6)	198	10	00
	33	01	40



A.P.E. D. Set 1" I.P. wood plug & N. up 1" top spur on line between N.W. Cor. Sec. 31 & W.C. SW Cor. Sec. 31.

Set 1" I.P. & C.E. tag up 2" on Sec line @ top of ridge in rock Md.

Searched Fd. nothing.

244.25 @ 14°58' = 236.86
243.93 @ 13°50' = 236.85
T.70 = 236.83

167.72 @ 4°57' = 167.09
167.91 @ 5°39' = 167.07
T.70 = 167.07
403.90

1)	86	26	30
4)	345	42	15
6)	158	33	45
	86	25	38

1)	31	13	00
4)	124	51	00
6)	187	16	00
	31	12	40

1)	29	20	30	1)	119	27	00
4)	117	21	00	4)	117	48	45
6)	176	02	00	6)	356	42	45
	29	20	20		119	27	08

1)	180	00	00	1)	60	33	00
4)	359	59	45	4)	242	12	00
6)	359	59	45	6)	03	18	00
	179	59	58		60	33	00

Contd. top Pg. 100

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76F3095 CE #310 6-62

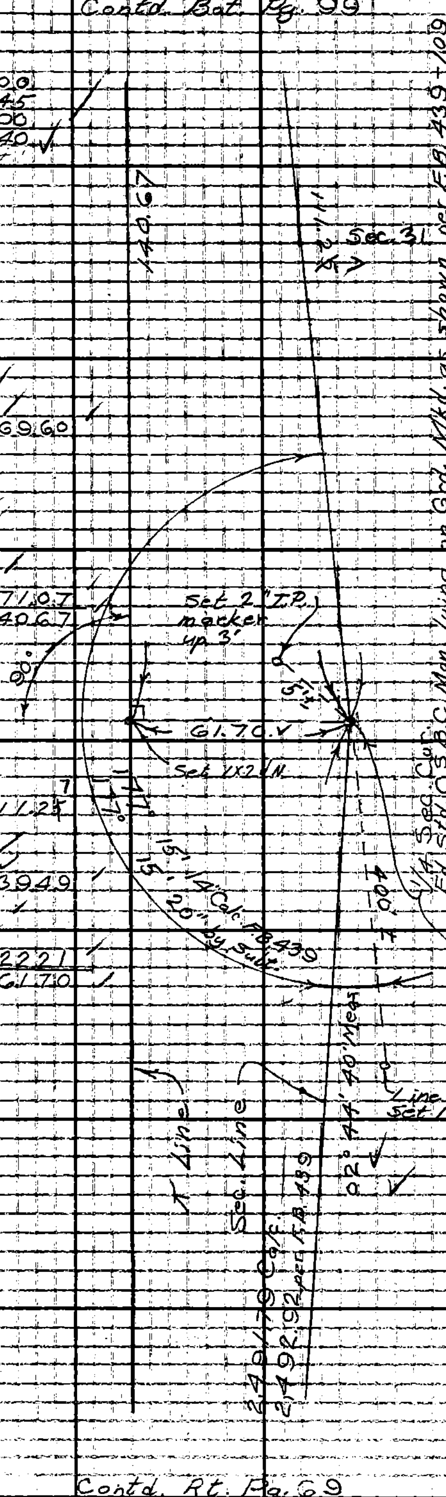
F. B. 2967 Pg. 100

Contd. Bot. Pg. 99

11	02	45	00
4	10	58	45
6	16	28	00
	02	44	40 ✓

Sec. 36

69.61 @ Lev. =	69.61 ✓	
70.03 @ 6°21' =	69.60 ✓	
T 74°	=	69.60 ✓
77.50 @ 12°47' =	75.58 ✓	
T 72°	75.57 ✓	
	− 4.50 ✓	
	= 71.07 ✓	
73.55 @ 14°54' =	71.08 ✓	
T 72°	= 71.07	
	140.67	
Set 1x2 T N.		
	300 ±	
113.39 @ 7°05' =	111.28	
113.31 @ 10°53' =	111.27 ✓	
T 72°	= 111.25	
43.74 @ 25°27' =	39.50 ✓	
42.83 @ 22°37' =	39.49 ✓	
T 74	= 39.49 ✓	
22.21 @ Lev. =	22.21	
22.40 @ 7°26' =	22.21 ✓	
T 74	= 22.21 ✓	
	61.70 ✓	



1/4 Sec. Cor.
Fd. Std. C.S.B.C. Mon. lying on Grd. Mkd. as shown per F.B. 439-109 and F.B. 798-77. Reset Mon. on line produced from N.W. Cor. Sec. 31 Pg. 77 through 1/16 Cor. Pg. 92.
For Dist. from 1/16 Cor. Fd. proportioning constant comparing Rec. Dist. F.B. 439 with our Meas. Dist. from N.W. Cor. Sec. 31 to 1/16 Cor. to be 0.999 81973 for proportioning outside of these 2 Fd. Mons. Also Fd. proportioning constant comparing Rec. Dist. F.B. 439 with our Meas. Dist. from N.W. Cor. Sec. 31 to W.C. Pg. 69 to be 0.999 68762 for proportioning between these 2 Fd. Mons. The Diff. between these Prop. constants made a Diff. of only 0.18' in Dist. from Fd. 1/16 Cor. to set 1/4 Cor. Therefore I set 1/4 Cor. the same Dist. from 1/16 Cor. as 1/16 Cor. is from N.W. Cor. Sec. 31.

W.S. 53 D-2

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Contd. Rt. Pg. 69

NOTES RED. JOB NO 0095.63 0095.64 SURVEY OF Kagel Cn. Rd. Lopez Cn. Rd. F. B. 2967 PG.

DATE SURVEY BY Crowe

NOTES CHKD. NOTES BY Crowe and Newman DATE Dec. 1963

DATE INDEXED C. J. GALLI DATE NOV 1 2 64

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
KAGEL CN. - LOPEZ CN. LOOP RD. BENCH LEVELS						
J.N. 0095.63 J.N. 0095.64						
2 Dec. to 16 Dec. 1963						
				Reference	L.A. City F.B. F.B. 742 ? -0002	Party Crowe Newman Spriggs Falsey Peterson

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

769420 S & E-353 4-54

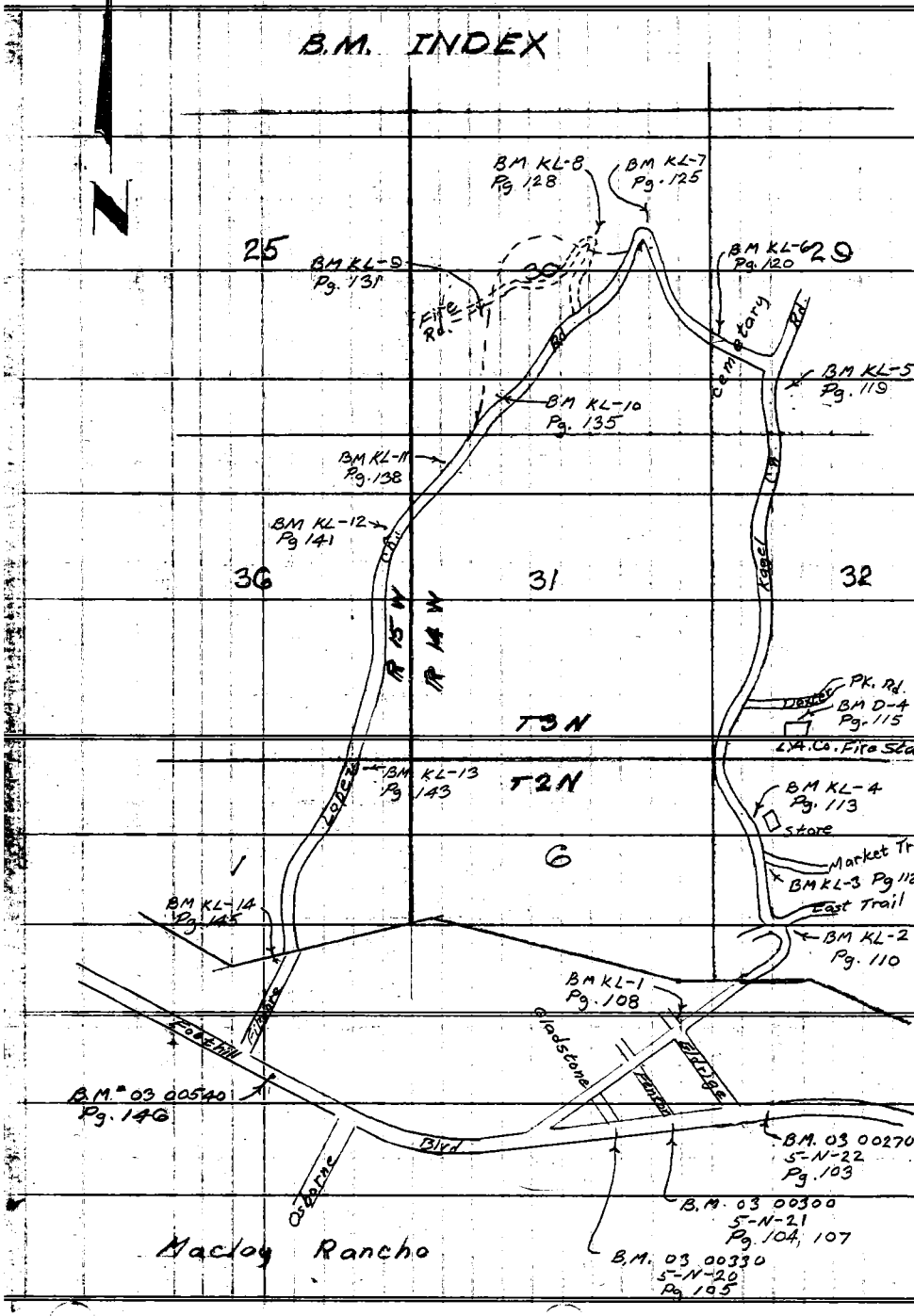
F. B. 296 PG. 192

JOB NO. 0095.63 0095.64 SURVEY OF Kagel Ch. Rd. Lopez Ch. Rd. NOTES RED.

SURVEY BY Crowe DATE

NOTES BY Crowe & Newman DATE NOTES CHKD.

INDEXED C. J. GALLI DATE DATE



B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

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763420 3-4-353 4-54

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 03 00270						B.M. # 03 00270 Elev. 1095.163
						L.A. City F.B. -0002
						Std. Trav. Mon. 5-N-22, on ℄
						Foothill Blvd. 54.83' Ely of ℄
						Eldridge Ave.
	1095.163					
+	5.103		5.213	5.115		
π	1100.266	- 0.475	- 0.482	- 0.476		
-	5.578		5.695	5.591		
T.P.	1094.688					Sq. Hd. spk. in edge Prm't
+	3.320		3.417			
π	1098.008	- 3.492	- 3.493			
-	6.812		6.910			
T.P.	1091.196					"
+	3.113		3.197			
π	1094.309	- 3.687	- 3.685			
-	6.800		6.882			
T.P.	1087.509					"
+	3.230		3.285			
π	1090.739	- 3.778	- 3.780			
-	7.008		7.065			
T.P.	1083.731					"
+	3.268		3.148			
π	1086.999	- 3.794	- 3.792			
-	7.062		6.940			
T.P.	1079.937					"
+	4.165		~~4.283~~	4.230		
π	1084.102	- 1.755	~~- 1.750~~	- 1.753		
-	5.920		~~6.033~~	5.983		
T.P.	1078.182					"

NOTES RED _____ TI _____ JOB NO. 2003 SURVEY OF Nagel Cr. Rd.
DATE _____ 14 _____ SURVEY BY Crowe
NOTES CHECKED _____ 21 _____ NOTES BY Newman DATE 11-27-63
DATE _____ 14 _____ INDEXED C. J. GAUM DATE _____

F.B. 2067 PG. 9

765420 S & E-353 4-54

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JOB NO 0095.63 SURVEY OF Repair Road
SURVEY BY C.Y. Crow
NOTES BY Newman DATE 12-2-63
INDEXED E. J. GALLI DATE
NOTES RED DATE
NOTES CHKD DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1078.182					
+	2.498		2.615			
⊼	1080.680	-4.935	-4.936			
-	7.433		7.551			
Fd. B.M # 03 00300	1073.247					B.M. # 03 00300 Elev. 1073.232
+	4.822		4.958			L.A. City F.B. -0002
⊼	1078.069	-1.505	-1.504			Std. Trav. Mon. 5-N-21, on ℄ Foothill Blvd & ℄
-	6.327		6.462			Fenton Ave.
T.P.	1071.742					spk. in edge of road
+	4.340		4.402			
⊼	1076.082	-1.810	-1.809			
-	6.150		6.211			
T.P.	1069.932					"
+	4.632		4.683			
⊼	1074.564	-0.736	-0.739			
-	5.368		5.422			
T.P.	1069.196					"
+	4.460		4.515			
⊼	1073.656	-0.130	-0.132			
-	4.590		4.647			
T.P.	1069.066					"
+	4.800		4.763			
⊼	1073.866	+0.676	+0.674			
-	4.124		4.089			
T.P.	1069.742					"
+	5.263		5.255			
⊼	1075.005	+1.596	+1.595			
-	3.667		3.660			
T.P.	1071.338					"

76S420 S & E-353 4-54

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1074.844

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1077.338					
+	5.660		5.688			
⊼	1076.998	+ 2.120	+ 2.119			
−	3.540		3.569			
T.P.	1073.458					Spk. in edge road.
+	5.837		5.810			
⊼	1079.295	+ 1.400	+ 1.400			
−	4.437		4.410			
Fd. B.M.# 03 00330	1074.858					B.M.#03 00330 Elev. 1074.844 F.B. L.A.City F.B. -0002 Std. Trav. Mon., 5-N-20, & Foothill Blvd., 307.22' Swly. & Gladstone.

NOTES RED ____ JOB NO. 0095.63 SURVEY OF Kagel Cr. Road
DATE ____ SURVEY BY C.V. Crowe
NOTES CHECK ____ NOTES BY Newman DATE 12-2-63
DATE ____ INDEXED C. J. [illegible] DATE ____

F.B. 2967 PG. 105

F. B. 296 Pg. 106

JOB NO. _____ SURVEY OF _____ NOTES RED. _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES CHKD. _____

INDEXED _____ DATE _____ DATE _____

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

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785420 S & E-353 4-54

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M.# 03 00300						B.M.# 03 00300 Elev. 1073.232
						L.A. City F.B. -0002
						Std. Trav. Mon. 5-N 21, ℄ Foothill Blvd.
	1,073.232					and ℄ Fenton Ave
+	7.265		7.310			
⊼	1080.497	+ 5.357	+ 5.360			
−	1.908		1950			
T.B.M.#1	1078.589					T.B.M.#1 Elev
+	6.435		6.385			N.E. Cor. Fenton & Sunburst
⊼	1085.024	+ 2.215	+ 2.213			Spk. in Tel. Pole # 21331 CWT
−	4.220		4.172			
T.P.	1080.804					Spk. in edge road
+	7.625		7.635			
⊼	1088.429	+ 4.368	+ 4.370			
−	3.257		3.265			
T.P.	1085.172					"
+	8.028		8.052			
⊼	1093.200	+ 4.509	+ 4.511			
−	3.519		3.541			
T.P.	1089.681					"
+	9.110		9.065			
⊼	1098.791	+ 6.050	+ 6.050			
−	3.060		3.015			
T.P.	1095.731					"
+	11.930		11.850			
⊼	1107.661	+ 6.345	+ 6.345			
−	5.585		5.505			
T.P.	1102.076					"

NOTES RED ___ JOB NO. 0095.63 SURVEY OF Kagel Cn Rd.
DATE ___ SURVEY BY C. V. Crowe
NOTES CHKD. ___ NOTES BY Newman DATE 12-2-63
DATE ___ INDEXED C. J. GALLI DATE ___

F.B. 2967 PG. 101

765420 S & E-363 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1102.076					Spk in edge Road
+	8.150		8.195			
π	1110.226	+5.879	+5.880			
−	2.271		2.315			
T.P.	1107.955					"
+	8.978		9.015			
π	1116.933	+5.793	+5.793			
−	3.185		3.222			
T.P.	1113.748					"
+	8.797		8.820			
π	1122.545	+6.419	+6.417			
−	2.378		2.403			
T.P.	1120.167					"
+	9.025		9.067			
π	1129.192	+6.440	+6.437			
−	2.585		2.630			
T.P.	1126.607					"
+	9.157		8.960			
π	1135.764	+7.889	+7.890			
−	1.268		1.070			
T.P.	1134.496					"
+	7.857		7.865			
π	1142.353	+3.492	+3.493			
−	4.365		4.372			
Set. B.M.# K.L.-1	1137.988					B.M.# K.L.-1 Elev.
+	7.684		7.940			N.W. Cor. Kagel Cñ Rd & Eldrige Ave.
π	1145.682	+3.990	+3.990			A Bt. Spk. in head, 10±' West of the
−	3.704		3.950			West Curb Return.
Set. T.B.M.#2	1141.978					T.B.M.#2 Elev. Kagel Cñ Rd. E. side 175±' N. of ℄ Eldrige. Bt. Spk in P.P.# 7501 GWT

JOB NO. 0095.63 SURVEY OF Kagel Cñ Road NOTES RED
SURVEY BY C.V. Crowe DATE
NOTES BY Newman DATE 12-2-63 NOTES CHKD
INDEXED C. J. GALLI DATE DATE

F.B. 296 PG. 198

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M. # 2	1141.978					
+	7.398		7.100			
π	1149.376	+ 5.717	+ 5.716			
−	1.681		1.384			
T.P.	1147.695					spk. in edge road
+	9.178		9.000			
π	1156.873	+ 8.115	+ 8.113			
−	1.063		0.887			
T.P.	1155.810					"
+	9.619		9.435			
π	1165.429	+ 8.179	+ 8.176			
−	1.440		1.259			
T.P.	1163.989					"
+	9.109		9.268			
π	1173.098	+ 7.117	+ 7.118			
−	1.992		2.150			
T.P.	1171.106					"
+	8.890		8.660			
π	1179.996	+ 6.360	+ 6.358			
−	2.530		2.302			
T.P.	1177.466					"
+	8.274		8.083			
π	1185.740	+ 6.624	+ 6.622			
−	1.650		1.461			
T.P.	1184.090					"
+	7.109		6.879			
π	1191.199	+ 3.541	+ 3.539			
−	3.568		3.340			
T.P.	1187.631					"

NOTES RED _____ JOB NO. 0095.63 SURVEY OF Kagel Cn. Rd.
DATE _____ SURVEY BY C. V. Crowe
NOTES CHKD. _____ NOTES BY Newman DATE 12-2-63
DATE _____ INDEXED C. J. GAIN DATE _____

F.B. 2967 PG. 109

765420 S & E-353 4-54

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LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 0095.63 SURVEY OF Kagel Cñ Road
SURVEY BY C.V. Crowe
NOTES BY Newman DATE 12-2-63
INDEXED J. GAIM DATE
NOTES RED: DATE
NOTES CHKD DATE

F.B. 1296 PG. 110

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1187.631					
+	7.592		7.531			
π	1195.223	+3.610	+3.611			
−	3.982		3.920			
T.P.	1191.241					Spk. in edge road
+	11.958		11.891			
π	1203.199	+11.638	+11.639			
−	0.320		0.252			
T.P.	1202.879					"
+	10.730		10.559			
π	1213.609	+10.310	+10.311			
−	0.420		0.248			
T.P.	1213.189					"
+	8.720		8.623			
π	1221.909	+5.891	+5.892			
−	2.829		2.731			
TBM # 3	1219.080					T.B.M. # 3 Elev.
+	4.078		3.843			Kagel Cñ Rd. & East Trail, S.E. Cor.
π	1223.158	−1.925	−1.926			Bt. Spk. in guy pole. No number
−	6.003		5.769			
B.M. # K.L.-2	1217.155					B.M. # K.L.-2 Elev.
+	5.795		5.602			Kagel Cñ. Rd. and East Trail, S.E. Cor.
π	1222.950	−0.042	−0.041			7' off Pvmt. and 11' N.E. of guy pole.
−	5.837		5.643			Std. C.E.B.C.B.M. Mon. Mkd K.L.-2
PI # 6	1217.113					Nail in Pvmt. Kagel Cñ. Rd.
+	5.405		5.261			F.B. 1424-16
π	1222.518	+1.097	+1.098			
−	4.308		4.163			
PI # 8	1218.210					Nail in Pvmt. F.B. 1424-15 ?

768420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
PI #8	1218.210					
+	6.630		6.519			
Π	1224.840	+3.451	+3.451			
−	3.179		3.068			
T.P.	1221.661					Spk. in Pvmt.
+	3.760		3.628			
Π	1225.421	+1.390	+1.388			
−	2.370		2.240			
PI #10	1223.051					PI #10 Fd. Bt. Spk. Pvmt.
+	8.890		8.739			F.B. 1424-14
Π	1231.941	+7.997	+7.997			
−	0.893		0.742			
TP	1231.048					Spk. in Pvmt.
+	10.100		10.023			
Π	1241.148	+6.692	+6.693			
−	3.408		3.330			
TP	1237.740					"
+	11.170		11.092			
Π	1248.910	+10.887	+10.887			
−	0.283		0.205			
TP	1248.627					
+	11.771		11.670			
Π	1260.398	+11.443	+11.442			
−	0.328		0.228			
T.P. K.C.-5	1260.070					Fd. Bt. Spk. Pvmt. Mkd. KC-5
+	11.525		11.410			
Π	1271.595	+11.205	+11.208			
−	0.320		0.202			
TP	1271.275					Spk. in Pvmt.

NOTES RED: JOB NO. 0095.63 SURVEY OF Nagel Cñ Rd.
DATE SURVEY BY Crowe
NOTES CHKD. NOTES BY Crowe DATE 3 Dec. 63
DATE INDEXED C. J. GAIN DATE

F.B. 2967 PG. 14

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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PP # 644312 E

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1271.275					
+	5.103		4.984			
π	1276.378	+0.942	+0.942			
−	4.161		4.042			
PI-14	1272.217					PI-14 Fd. N. in Pvmt. F.B.1424-11
+	10.446		10.361			
π	1282.663	+10.115	+10.113			
−	0.331		0.248			
PI-16	1282.332					PI-16 Fd. N. in Pvmt. F.B.1424-10
+	6.880		6.841			
π	1289.212	+3.970	+3.969			
−	2.910		2.872			
BM.#KL-3	1286.302					B.M.#KL-3 Elev
+	11.125		11.268	11.212		Kagel Cñ. Rd. @ Market Trail, S.E. Cor.,
π	1297.427	+10.901	+10.896	+10.902		7' off Pvmt., a Std. C.S. B.C. B.M. Mon.
−	0.224		0.372	0.310		up 2" Mkd. B.M. KL-3.
TBM#4	1297.203					T.B.M.#4 Elev.
+	10.903		10.857			Kagel Cñ. Rd., E. side, 150' ± N.
π	1308.106	+10.234	+10.237			of Market Trail, a Bt. Spk. in
−	0.669		0.620			PP #644312 E
T.P.	1307.437					Bt. Spk. Conc. walk, house #12200
+	5.803		5.740			
π	1313.240	+1.485	+1.485			
−	4.318		4.255			
PI-18	1308.922					PI-18 Elev.
+	10.890		10.960			Fd. N. Pvmt. F.B.1424-9
π	1319.812	+10.590	+10.592			
−	0.300		0.368			
TP	1319.512					Spk in Pvmt.

JOB NO. 0095.63 SURVEY OF Kagel Cñ. Rd. NOTES RED.
SURVEY BY Crowe DATE
NOTES BY Crowe DATE NOTES CHKD.
INDEXED C. J. GAU DATE DATE

F. B. 2967 PG. 1/2

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1319.512					
+	11.264		11.150			
Σ	1330.776	+10.934	+10.931			
−	0.330		0.219			
TP	1330.446					Spk. in Pvmt.
+	11.927		11.837			
Σ	1342.373	+10.744	+10.745			
−	1.183		1.092			
PI-21	1341.190					PI-21 Elev.
+	11.098		11.319			Fd. N. Pvmt. F.B. 1424-8
Σ	1352.288	+10.831	+10.833			
−	0.267		0.486			
TP	1352.021					Spk. in Pvmt.
+	11.644		11.708			
Σ	1363.665	+11.184	+10.187			
−	0.460		0.521			
TP	1363.205					"
+	8.580		8.479			
Σ	1371.785	+3.945	+3.944			
−	4.635		4.535			
BM# KL-4	1367.150					B.M.# KL-4 Elev.
+	5.115		5.043			Kagel Cñ. Rd. @ Vision Trail,
Σ	1372.265	−0.888	0.887			S.E. Cor., 75'± So. of Vision Trail,
−	6.003		5.930			a Bt. Spk. in lead at N. end of
						Conc. walk in front of Cñ. Market.
PI-22	1366.262					PI-22
						1X1 and N. Pvmt. F.B. 147-9

NOTES RED _____ JOB NO. 0095.63 SURVEY OF Kagel Cñ. Rd.
DATE _____ SURVEY BY Crewe
NOTES CHECKED _____ NOTES BY Crewe
DATE _____ DATE 3 Dec. 63
INDEXED _____ R. J. CALM
DATE _____ DATE _____

F.B. 2967 Pg. 143

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
PI-22	1366.262					
+	7.079		6.941			
π	1373.341	+ 3.316	+ 3.314			
−	3.763		3.627			
TBM#5	1369.578					TBM#5 Elev.
+	4.790		4.729			Kagel Cñ Rd, W. side, 120'± N. of
π	1374.368	+ 4.406	+ 4.407			Vision Trail, Bt Spk, in PP#1424032 E
−	0.384		0.322			
TP	1373.984					Spk in Pvmt.
+	11.148		11.250			
π	1385.132	+10.808	+ 10.809			
−	0.340		0.441			
TP	1384.792					"
+	10.403		10.318			
π	1395.195	+ 9.935	+ 9.937			
−	0.468		0.381			
TP	1394.727					"
+	10.417		10.521			
π	1405.144	+ 9.857	+ 9.857			
−	0.560		0.664			
TP	1404.584					"
+	11.060		10.935			
π	1415.644	+10.565	+ 10.564			
−	0.495		0.371			
TP	1415.149					"
+	10.618		10.462			
π	1425.767	+ 9.975	+ 9.974			
−	0.643		0.488			
TP	1425.124					

JOB NO. 0095.63 SURVEY OF Kagel Cñ Rd. NOTES RED
SURVEY BY Crowe DATE
NOTES BY Crowe DATE 3 Dec. 63 NOTES CHKD
INDEXED C. J. GAULT DATE DATE

F. B. 2967 PG. 144

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	1425.124					
+	8.903		8.822			
T	1434.027	+ 2.227	+ 2.227			
−	6.676		6.595			
PI-27	1427.351					PI-27 1X2 & N in Pvmt. F.B. 1147-12
+	9.195		9.249			
T	1436.546	+ 8.973	+ 8.970			
−	0.222		0.279			
PI-28	1436.324					PI-28
+	8.074		8.010			Fd. N. in Pvmt. F.B. 1147-13
T	1444.398	+ 5.773	+ 5.773			
−	2.301		2.237			
PI-29	1442.097					PI-29
+	10.293		10.213			Fd N. in Pvmt. F.B. 1147-13
T	1452.390	+ 9.652	+ 9.651			
−	0.641		0.562			
TP	1451.749					
+	5.252		5.155			
T	1457.001	+ 2.837	+ 2.837			
−	2.415		2.318			
BM-D4	1454.586					BM-D4 Elev. 1454.670 F.B. 742-136
+	2.256		2.189			Dexter Park Rd., So. side, on East
T	1456.842	− 4.725	− 4.724			step @ front of L.A.Co. Fire Sta.
−	6.981		6.913			a Bt. Spk. in lead Mkd BM-D4
TBM# 6	1449.861					TBM #6 Elev.
+	0.759	3.148	0.715			Kagel Cn. Rd. and Dexter Park Rd,
T	1450.620	~~− 3.909~~	− 3.448			N.E. Cor., a Bt. Spk. in So. side
−	3.907		3.863			PP# 122 66 23 E
T.P.	1446.713					

NOTES RED JOB NO. 0095G3 SURVEY OF Kagel Cn Rd.
DATE SURVEY BY Crowe
NOTES CHKD. NOTES BY Crowe DATE 3 Dec. 63
DATE INDEXED C. J. GAHL DATE

F.B. 2967 Pg. 115

765420 S & E-353 4-54

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DO 122663 9E

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1446.713					
+	8.849		8.935			
π	1455.562	+ 6.505	+ 6.505			
−	2.344		2.430			
P.I-30	1453.218					Fd. Nail in Prm't. F.B. 1147-14
+	9.597		9.620			
π	1462.815	+ 7.880	+ 7.878			
−	1.717		1.742			
T.P.	1461.098					Spk in edge prm't
+	9.529		9.553			
π	1470.627	+ 7.869	+7.867			
−	1.660		1.686			
P.I-31	1468.967					Fd. BT. Spk. W&T., F.B. 1147-15,83
+	10.994		11.019			
π	1479.961	+9.759	+9.761			
−	1.235		1.258			
T.P.	1478.726					Spk in edge prm't.
+	7.927		7.959			
π	1486.653	+ 3.565	+ 3.566			
−	4.362		4.393			
P.I-32	1482.291					Fd. P.K. Nail in prm't, F.B. 1147-84
+	10.932		10.952			
π	1493.223	+10.685	+ 10.685			
−	0.247		0.267			
T.P.	1492.976					Spk. in edge prm't.
+	11.885		11.906			
π	1504.861	+10.952	+10.954			
−	0.933		0.952			
T.P.	1503.928					"

JOB NO. 0095.63 SURVEY OF Angel Cr. Rd. NOTES RED
SURVEY BY Crowe DATE
NOTES BY Newman DATE 12-5-63 NOTES CHKD
INDEXED C. I. GAIN DATE

F. B. 2964 PG. 1/16

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1503.928					
+	11.648		11.668			
π	1515.576	+11.420	+11.420			
−	0.228		0.248			
T.P.	1515.348					Spk. in edge prm't.
+	8.213		8.233			
π	1523.561	+5.911	+5.910			
−	2.302		2.323			
P.I-33	1521.259					Fd. Nail in prm't., F.B. 1147-85
+	11.867		11.887			
π	1533.126	+11.618	+11.617			
−	0.249		0.270			
T.P.	1532.877					Spk. in edge prm't.
+	11.997		11.978			
π	1544.874	+11.565	+11.565			
−	0.432		0.413			
P.I-34	1544.442					Fd. Nail in prm't., F.B. 1147-85
+	11.479		11.492			
π	1555.921	+11.222	+11.222			
−	0.257		0.270			
T.P.	1555.664					Spk. in edge prm't.
+	10.389		10.425			
π	1566.053	+10.035	+10.036			
−	0.354		0.389			
T.P.	1565.699					" (P.O.T #1)
+	11.442		11.450			
π	1577.141	+11.244	+11.243			
−	0.198		0.207			
T.P.	1576.943					"

RED
JOB NO. 0095.63 SURVEY OF Kagel Cn Rd.
SURVEY BY C. V. Crowe
CHKD.
NOTES BY Newman DATE 12-5-63
INDEXED C. J. GAIN DATE

F.B. 2967 PG. 117

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1576.943					
+	11.187		11.199			
π	1588.130	+ 10.765	+ 10.767			
−	0.422		0.432			
T.P.	1587.708					Spk. in edge prm't.
+	11.770		11.785			
π	1599.478	+ 11.289	+ 11.288			
−	0.481		0.497			
T.P.	1598.997					"
+	10.408		10.437			
π	1609.405	+ 9.315	+ 9.315			
−	1.093		1.122			
P.I-35	1608.312					Fd. Nail in prm't., F.B. 1147-115
+	11.401		11.420			
π	1619.713	+ 11.191	11.192			
−	0.210		0.228			
T.P.	1619.503					Spk. in edge prm't.
+	11.308		11.327			
π	1630.811	+ 10.897	+ 10.897			
−	0.411		0.430			
T.P.	1630.400					"
+	11.950		11.989			
π	1642.350	+ 11.708	+ 11.709			
−	0.242		0.280			
T.P.	1642.108					"
+	11.183		~~11.203~~	11.173		
π	1653.291	+ 10.753	+ ~~10.760~~	+ 10.753		
−	0.430		~~0.443~~	0.420		
T.P.	1652.861					"

JOB NO. 0095.63 SURVEY OF Kegel Cir Rd. NOTES RED
SURVEY BY C.V. Crowe DATE
NOTES BY Newman DATE NOTES CHKD
INDEXED C. J. GALLI DATE DATE

F. B. 296 PG. 118

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1652.861					
+	11.747		11.689			
π	1664.608	+ 11.470	+ 11.468			
−	0.277		0.221			
T.P.	1664.331					Spk. in edge prm't.
+	11.945		11.979			
π	1676.276	+11.565	+ ~~11.516~~	+11.566		
−	0.380		0.413			
T.P.	1675.896					"
+	11.577		11.527			
π	1687.473	+11.334	+11.335			
−	0.243		0.192			
B.C.	1687.236					Fd. Bt. Spk. W&T. in prm't., F.B.
+	11.108		11.142			
π	1698.338	+10.386	+10.387			
−	0.722		0.755			
Set B.M.# KL-5	1697.616					B.M.# KL-5 Elev. F.B. 2967 −
+	11.521		11.541			Kagel Cñ Rd. eastside 100' ± So. of Intr's
π	1709.137	+ 11.281	+ 11.282			of Lopez Cñ Rd. A. Bt. Spk. in head, in
−	0.240		0.259			headwall for catch Basin.
T.P.	1708.897					
+	11.544		11.448			
π	1720.441	+ 6.268	+ 6.267			
−	5.276		5.181			
T.B.M.-7 P-1	1715.165					P-I; Nail in prm't. F.B. 2967 − 9
+	8.328		8.163			
π	1723.493	+ 7.786	+ 7.784			
−	0.542		0.379			
T.P.	1722.951					Spk. in edge prm't.

NOTES RED: JOB NO. 0095.63 SURVEY OF Kagel Cñ Rd.
DATE: SURVEY BY C. V. Crowe
NOTES CHKD: NOTES BY Newman DATE 12-5-63
DATE: INDEXED: E. J. GAUL DATE:

F.B. 2967 PG. 119

76S420 S & E-363 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1722.951					
+	11.134		11.209			
π	1734.085	+10.939	+10.938			
−	0.195		0.271			
T.P.	1733.890					Spk. in edge Prm't
+	7.480		7.365			
π	1741.370	+6.243	+6.243			
−	1.237		1.122			
Fd. P-2	1740.133					Fd. P-2. Wire Spk. & Tin. F.B. 2967-10
+	8.626		8.547			
π	1748.759	+8.289	+8.288			
−	0.337		0.259			
T.P.	1748.422					Spk. in edge prm't,
+	10.990		10.894			
π	1759.412	+10.569	+10.567			
−	0.421		0.327			
T.P.	1758.991					"
+	9.470		9.570			
π	1768.461	+8.077	+8.076			
−	1.393		1.494			
T.P.	1767.068					"
+	5.350		5.303			
π	1772.418	+3.311	+3.309			
−	2.039		1.994			
Set B.M.# KL-6	1770.379					B.M.# KL-6 Elev. Lopez Cñ Rd. 50'± East of the Westside of Cemetery. A Bt. Spk in head 10'± N. of N. C. R. Westside of Dr. to Parking Lot,

JOB NO. 009516 SURVEY OF Cñ Rd. NOTES RED
SURVEY BY C. V. Crowe DATE
NOTES BY Newman DATE 12-6-63 NOTES CHKD
INDEXED C. J. GALLI DATE DATE

F. B. 2967 PG. 120

76S420 S & E-353 4-54

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LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M.# KL-L	1770.379					
+	2.878		2.759			
⊼	1773.257	-2.135	-2.135			
-	5.013		4.894			
set. T.B.M.# 8	1768.244					T.B.M.#8 Elev.
+	4.460	-0.079	4.581			Lopez Cñ Rd south side 50'± East of
⊼	1772.704	~~-0.068~~	-0.077			Westside of cemetery in P.P.# 1123569E. a
-	4.539		4.658			BT. Spk. up 6".
P-3	1768.165					P-3, Fd. Sq. hd. Spk. & T. F.B. 2967-11
+	0.939		0.794			
⊼	1769.104	-2.210	-2.208			
-	3.149		3.002			
T.P.	1765.955					Pt. on large rock.
+	10.210		10.492			
⊼	1776.165	+8.028	+8.030			
-	2.182		2.462			
T.P.	1773.983					Spk in edge prm't
+	11.534		11.597			
⊼	1785.517	+11.294	+11.292			
-	0.240		0.305			
T.P.	1785.277					"
+	11.731		11.890			
⊼	1797.008	+11.368	+11.366			
-	0.363		0.524			
T.P.	1796.645					"
+	8.713		8.689			
⊼	1805.358	+6.051	+6.053			
-	2.662		2.636			
P-4	1802.696					P-4 Fd. Spk. at edge rd. F.B. 2967-12

NOTES RED. JOB NO. 0095.64 SURVEY OF Lopez Cñ Rd.
DATE SURVEY BY C. V. Crowe
NOTES CHKD. NOTES BY Newman DATE 12-5-63
DATE INDEXED C. J. GALLI DATE

F.B. 2967 PG. 121

765420 S & E-303 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 0095.64 SURVEY OF Lopez Cr Rd.
SURVEY BY C.V. Crews
NOTES BY Newman DATE 12-6-63
INDEXED C. L. CALL DATE
NOTES RED DATE
NOTES CHKD DATE

F.B. 2946 PG. 122

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P-4	1802.696					
+	10.224		10.142			
⊼	1812.920	+ 4.549	+ 4.547			
−	5.675		5.595			
T.B.M. #9	1807.245					T.B.M. #9 Elev.
+	11.951		11.896			Lopez Cr Rd. So. Side P.P. #740242E
⊼	1819.196	+ 11.604	+ 11.666			50'± West of P-4
−	0.347		0.290			
T.P.	1818.849					Spk. in edge road.
+	11.901		11.758			
⊼	1830.750	+ 11.465	+ 11.465			
−	0.436		0.293			
T.P.	1830.314					"
+	11.530		11.711			
⊼	1841.844	+ 11.305	+ 11.305			
−	0.225		0.406			
T.P.	1841.619					"
+	11.964		11.906			
⊼	1853.583	+ 11.642	+ 11.645			
−	0.322		0.261			
T.P.	1853.261					"
+	11.928		11.864			
⊼	1865.189	+ 11.566	+ 11.565			
−	0.362		0.299			
T.P.	1864.827					"
+	11.659		11.602			
⊼	1876.486	+ 11.037	+ 11.035			
−	0.622		0.567			
T.P.	1875.864					"

76S420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1875.864					
+	11.359		11.436			
⊼	1887.223	+ 11.133	+ 11.132			
−	0.226		0.304			
T.P.	1886.997					Spk. in edge Rd.
+	11.348		11.283			
⊼	1898.345	+ 10.217	+ 10.214			
−	1.131		1.069			
T.P.	1897.214					"
+	11.763		11.710			
⊼	1908.977	+ 11.278	+ 11.279			
−	0.485		0.431			
T.P.	1908.492					"
+	11.693		11.613			
⊼	1920.185	+ 11.274	11.273			
−	0.419		0.340			
T.B.M. # 10	1919.766					T.B.M. # 10 Elev.
+	11.148		11.080			Lopez Cn Rd. So. Side 150'± East
⊼	1930.914	+ 10.627	+ 10.628			of P-5., a Bt. Spk in P.P. # Y60239 E
−	0.521		0.452			
T.P.	1930.393					Spk in edge road.
+	8.916		8.858			
⊼	1939.309	+ 2.545	+ 2.545			
−	6.371		6.313			
P-5	1932.938					P-5 Fd. 1X1 edge road. F.B. 2967 − 13
+	11.630		11.564			
⊼	1944.568	+ 11.049	+ 11.046			
−	0.581		0.518			
T.P.	1943.987					1X2 edge road.

NOTES RED JOB NO. 0095.64 SURVEY OF Lopez Cn Rd
DATE SURVEY BY C. V. Crowe
NOTES CHKD NOTES BY Newmann DATE 12-6-63
DATE INDEXED C. J. GAIN DATE

F.B. 2967 PG. 123

765420 S & E-358 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1943.987					
+	11.990		11.804			
π	1955.977	+ 11.286	+ 11.286			
−	0.704		0.518			
T.P.	1955.273					1x2 edge road.
+	11.283		11.239			
π	1966.556	+ 10.555	+ 10.558			
−	0.728		0.681			
T.P.	1965.828					"
+	9.715		9.636			
π	1975.543	+ 8.784	+ 8.784			
−	0.931		0.852			
T.B.M.# 11	1974.612					T.B.M.# 11 Elev. Lopez Cr Rd. at summit So. side BM Spk. in conc. pad. 30'± so. of edge road.
+	0.868		0.801			
π	1975.480	− 1.189	− 1.188			
−	2.057		1.989			
P-6	1973.423					P-6 Fd 1x2 per. F.B. 2967-15
+	2.267		2.169			
π	1975.690	− 9.303	− 9.303			
−	11.570		11.472			
T.P.	1964.120					rock at edge pvmt.
+	0.388		0.315			
π	1964.508	− 8.931	− 8.933			
−	9.319		9.248			
T.P.	1955.189					Spk in edge road.
+	0.316		0.238			
π	1955.505	− 8.723	− 8.720			
−	9.039		8.958			
T.P.	1946.466					"

JOB NO. 0095.64 SURVEY OF Lopez Cr Rd
SURVEY BY C.Y. Crowe
NOTES BY Newmans DATE 12-6-63
INDEXED C. J. GAIN DATE
NOTES RED DATE
NOTES CHKD DATE

F.B. 2967 PG 14

76S420 S & E-383 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1946.466					
+	0.674		0.621			
π	1947.140	− 9.526	− 9.527			
−	10.200		10.148			
T.P.	1936.940					Spk. in edge Prm't.
+	4.582		4.451			
π	1941.522	+ 3.201	+ 3.202			
−	1.381		1.249			
Set B.M.# KL-7	1940.141					B.M.# KL-7 Elev.
+	0.751		0.773			Lopez Cñ Rd., North side, 35'± off
π	1940.892	− 0.781	0.783			Prmt. @ hairpin turn 0.6mi ±
−	1.532		1.556			west of Admin. Bldg. of Glenhaven
						Cemetary, @ toe of a west slope,
						a Std. C.E.B.C. B.M. Mon. up 6" Mkd.
						B.M. KL-7
T.B.M.#12	1939.360					T.B.M.#12 Elev.
+	11.243		11.218			Lopez Cñ. Rd., N. side, 1' off Prmt.,
π	1950.603	+ 6.983	+ 6.982			30.6' from B.M.# KL-7, a Bt. Spk. in
−	4.260		4.236			2nd 8"x8" guard post from the east
T.P.	1946.343					end of guard rail
+	11.045		11.015			
π	1957.388	+ 10.302	+ 10.302			
−	0.743		0.713			
T.P.	1956.645					1x2
+	11.617		11.652			
π	1968.262	+ 10.879	+ 10.880			
−	0.738		0.772			
T.P.	1967.524					"

NOTES RED. JOB NO. 0095.64 SURVEY OF Lopez Cñ Rd.
DATE SURVEY BY C. V. Crowe
NOTES CHKD. NOTES BY Newmarker DATE 12-6-63
DATE INDEXED C. J. GAHT DATE

F.B. 2967 PG. 125

765420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1967.524					
+	11.397		11.375			
π	1978.921	+ 10.034	+10.035			
−	1.363		1.340			
T.P.	1977.558					1x2
+	2.606		2.651			
π	1980.164	+ 1.923	+ 1.923			side shot to P-8
−	0.683		0.728			HI = 1980.16
T.P.	1979.481					− 7.51
+	7.022		7.055			P-8 = 1972.65
π	1986.503	+ 6.440	+ 6.442			
−	0.582		0.613			
P-7	1985.921					Fd. 1x2 per F.B. 2967.-16
+	0.970		1.009			
π	1986.891	− 10.782	−10.782			
−	11.752		11.791			
T.P.	1975.139					1x2
+	2.141		2.127			
π	1977.280	− 9.610	− 9.609			
−	11.751		11.736			
T.P.	1965.529					1x2
+	1.915		1.895			
π	1967.444	− 9.747	− 9.748			
−	11.662		11.643			
T.P.	1955.782					1x2
+	2.067		2.030			
π	1957.849	− 9.746	− 9.747			
−	11.813		11.777			
T.P.	1946.036					"

JOB NO. 0095.64 SURVEY OF Lopez Cn Rd. NOTES RED.
SURVEY BY C.V. Crowe DATE
NOTES BY Newman DATE 12-6-63 NOTES CHKD.
INDEXED C.J. GAIII DATE

F.B. 2967 PG. 126

76S420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1946.036					
+	1.675		1.672			
⊼	1947.711	-9.295	-9.295			
-	10.970		10.967			
T.P.	1936.741					1X2
+	0.602		0.569			
⊼	1937.343	-11.123	-11.123			
-	11.725		11.692			
T.P.	1925.618					"
+	4.882		4.869			
⊼	1930.500	+4.575	+4.573			
-	0.307		0.296			
T.P.	1930.193					"
+	8.755		8.765			
⊼	1938.948	+6.485	+6.485			
-	2.270		2.280			
P-B B	1936.678					Fd 1X2 per F.B. 2967 ~ 17
+	11.389		11.379			
⊼	1948.067	+10.889	+~~10.881~~	10.891		
-	0.500		0.488			
T.P.	1947.567					1X2
+	11.390		11.415			
⊼	1958.957	+10.625	+10.625			
-	0.765		0.790			
T.P.	1958.192					1X2
+	11.158		11.128			
⊼	1969.350	+10.513	+10.513			
-	0.645		0.615			
T.P.	1968.705					"

NOTES REDUCED [illegible] NO. 095164 SURVEY OF Tapes Cr Rd
DATE [illegible] SURVEY BY C. Kirchle
NOTES CHKD [illegible] NOTES BY Newman DATE 12-9-63
DATE [illegible] INDEXED [illegible] CALLED DATE NOV 1 64

F.B. 2907 PG. 128

768420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

300' N of P-9

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1968.705					
+	10.251		10.228			
⊼	1978.956	+ 9.808	+ 9.806			
−	0.443		0.422			
T.P.	1978.513					1X2
+	10.081		~~10.132~~	10.197		
⊼	1988.594	+9.870	~~+ 9.865~~	+ 9.869		
−	0.211		~~0.267~~	0.328		
T.P.	1988.383					"
+	9.477		9.466			
⊼	1997.860	+ 8.737	+ 8.736			
−	0.740		0.730			
Set B.M.# KL-8	1997.120					B.M.# KL-8 Elev. F.B. 2967–
+	0.257		0.398			N.E. 1/4 Sec. 30, T3N, R14W, 0.2 mi W. of
⊼	1997.377	− 4.412	− 4.409			Lopez Cn. Rd. on fire Rd., @ N edge fire
−	4.449		4.807			Rd. @ hairpin curve, 170' I N of fork in fire Rd. Also 100' I N of P-9 F.B. 2967–18
						a Std. C.E. B.C. B.M. Mon. Mkd. BM KL-8
T.B.M.# 13	1992.708					T.B.M.# 13 Elev. F.B. 2967.
+	0.612		0.674			87.7' I S.E. of B.M.# K.L.-8
⊼	1993.320	− 10.526	− 10.527			A 1" I.P. with head plug, C.E. Tag, &
−	11.138		11.201			const. Nail up 0.2'
T.P.	1982.182					1X1
+	0.377		0.293			
⊼	1982.559	− 10.753	− 10.753			
−	11.130		11.046			
T.P.	1971.429					"
+	0.265		0.391			
⊼	1971.694	− 8.254	− 8.252			
−	8.519		8.643			
P-9	1963.175					Rd. P-9 a 1X2 per F.B. 2967–18

0.2

JOB NO. 0095-64 SURVEY OF Lopez Cn Rd. NOTES RED
SURVEY BY C.V. Crowe DATE
NOTES BY Newman DATE 12-9-63 NOTES CHKD
INDEXED C. J. GAULT DATE DATE

F.B. 2967 PG. 128

76S420 S & E-853 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P-9	1963.175					
+	1.165		~~1.143~~	1.072		
π	1964.340	-10.334	~~-10.339~~	-10.334		
−	11.499		~~11.482~~	11.406		
T.P	1952.841					1X1
+	0.284		0.250			
π	1953.125	-11.112	-11.111			
−	11.396		11.361			
T.P.	1941.729					1X1
+	4.710		4.872			
π	1946.439	-6.974	-6.976			
−	11.684		11.848			
T.P.	1934.755					1X1
+	0.279		0.183			
π	1935.034	-1.953	-1.952			
−	2.232		2.135			
P-10	1932.802					Fd. P-10 a 1X2 per F.B. 2967-19
+	0.686		0.643			
π	1933.488	-10.862	-10.863			
−	11.548		11.506			
T.P.	1921.940					1X1
+	3.341		3.521			
π	1925.281	-8.170	-8.172			
−	11.511		11.693			
T.P.	1913.770					1X1
+	0.428		0.345			
π	1914.198	-11.541	-11.544			
−	11.969		11.889			
T.P.	1902.229					1X1

NOTES RED: JOB NO. 0096.64 SURVEY OF Lopez Cr Rd
DATE SURVEY BY C. V. Crowe
NOTES CHKD NOTES BY Newman DATE 12-10-68 (payday)
DATE INDEXED C. J. Gall DATE

F.B. 2967 PG. 189

769420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 0095.64 SURVEY OF Hopper Cr. Rd.
SURVEY BY C.V. Crowe
NOTES BY Newman DATE 12-10-63
INDEXED E. J. GALLI DATE
NOTES RED DATE
NOTES CHKD DATE

F. B. 2967 PG. 130

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1902.229					
+	2.945		3.313			
π	1905.174	-8.524	-8.522			
−	11.469		11.835			
T.P.	1893.705					
+	0.255	-11.595	0.357	RCB		
π	1893.960	~~-10.595~~	~~-10.593~~	-11.593		
−	11.850		11.950			
T.P.	1882.110					
+	0.202		0.310			
π	1882.312	-11.628	-11.627			
−	11.830		11.937			
T.P.	1870.482					
+	0.350		0.275			
π	1870.832	-7.760	-7.760			
−	8.110		8.035			
T.P.	1862.722					
+	11.608		11.551			
π	1874.330	+11.135	+11.132			
−	0.473		0.419			
T.P.	1873.857					
+	9.570		9.639			
π	1883.427	+8.703	+8.706			
−	0.867		0.933			
T.P.	1882.560					
+	6.799		6.896			
π	1889.359	+0.024	+0.025			
−	6.775		6.871			
P-12	1882.584					

1x1

#1
Side Shot to P-11
H.I. = 1905.17
− 3.05
P-11 = 1902.12

1x1

#2
T.P. 1893.71
+ 11.18
H.I. 1905.39
− 3.28
P-11 = 1902.11

1x1

Fd. 1x2 & M. per F.B. 2947-21

76S420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P-12	1882.584					
+	11.924		11.863			
⊼	1894.508	+11.374	+11.373			
−	0.550		0.490			
T.P.	1893.958					1x1
+	4.851		4.799			
⊼	1898.809	−6.650	−6.651			
−	11.501		11.450			
T.P.	1887.308					1x1
+	1.045		0.984			
⊼	1888.353	−10.030	−10.030			
−	11.075		11.014			
T.P.	1877.278					1x2
+	0.513		0.455			
⊼	1877.791	−8.568	−8.567			
−	9.081		9.022			
T.P.	1868.710					"
+	0.242		0.297			
⊼	1868.952	−5.899	−5.902			
−	6.141		6.199			
T.P.	1862.811					"
+	8.415		8.389			
⊼	1871.226	+8.017	+8.018			
−	0.398		0.371			
set. B.M. #KL-9	1870.828					B.M. #KL-9 Elev. F.B. 2967 − S.W. 1/4 Sec. 30 T3N, R14W, 0.5 mi W. of Lopez Cñ. Rd. by fire Rd., 0.2 mi S. of fork in fire Rd. on E. side fire Rd., also 100' ± S. of P-13 F.B. 2967 − 22
+	0.807		0.825			
⊼	1871.635	−8.063	−8.061			
−	8.870		8.886			a Std. C.E.B.C. B.M. Mon. Mkd. BM KL-9
T.P.	1862.765					

Side shot to P-13
H.I. 1868.95
− 8.92
P-13 = 1860.03

Note: From P-12 to , was run in heavy winds.

0.5

NOTES RED
DATE
NOTES CHKD.
DATE
JOB NO. 0095.64 SURVEY OF Lopez Cñ. Rd
SURVEY BY Crowe
NOTES BY Newman DATE 12-11-63
INDEXED C. J. GAU DATE

F.B. 2967 PG. 131

76S420 S & E-353 4-64

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1862.765					
+	6.277		6.208			
⊼	1869.042	-1.278	-1.280			
−	7.555		7.488			
T.B.M.# 14.	1862.487					T.B.M.#14 Elev. F.B. 2967-
+	0.472		0.450			256'± So. of B.M.# K.L.-9 a 1" I.P.
⊼	1861.959	-10.550	-10.552			on top Knoll at Forrest Post "B 8"
−	11.022		11.002			
T.P.	1850.937					1X1
+	0.335		0.350			
⊼	1851.272	-10.437	-10.435			
−	10.772		10.785			
T.P.	1840.500					"
+	0.764		0.736			
⊼	1841.264	-10.415	-10.416			
−	11.179		7.152			
T.P.	1830.085					"
+	1.152		1.111			
⊼	1831.237	-10.216	-10.214			
−	11.368		11.325			
T.P.	1819.869					"
+	0.192		0.290			
⊼	1820.061	-11.267	-11.267			
−	11.459		11.557			
T.P.	1808.602					"
+	0.377		0.327			
⊼	1808.979	-10.810	-10.810			
−	11.187		11.137			
T.P.	1797.792					"

Windy

JOB NO. 0095-64 SURVEY OF Lopez Cn Rd. NOTES RED
SURVEY BY C.V. Crowe DATE
NOTES BY Newman DATE 12-11-63 NOTES CHKD.
INDEXED J. GALLI DATE DATE

F.B. 2967 PG. 132

76S420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1797.792					side shot to P-14
+	1.030		1.035			H.I = 1787.836
π	1798.822	-10.627	10.625			− 5.73
−	11.657		11.660			P-14 = 1782.11
T.P.	1787.165					1x1
+	0.671		0.630			T.P. 1787.165
π	1787.836	-10.901	-10.898			+ 0.630
−	11.572		11.528			H.I. 1787.795
T.P.	1776.264					11
+	1.987		1.865			
π	1778.251	-9.754	-9.755			side shot to P-13C
−	11.741		11.620			T.P. 1766.51
T.P.	1766.510					11 + 4.37
+	0.272		0.405			H.I. 1770.88
π	1766.782	-11.073	-11.072			− 8.56
−	11.345		11.477			P-13C 1762.32
T.P.	1755.437					11
+	1.010		1.031			
π	1756.447	-10.312	-10.312			
−	11.322		11.343			
T.P.	1745.125					11
+	0.922		~~0.898~~	0.960		
π	1746.047	-10.939	~~-10.934~~	-10.938		
−	11.861		~~11.832~~	11.898		
T.P.	1734.186					11
+	0.336		0.312			
π	1734.522	-11.250	-11.250			
−	11.586		11.562			
T.P.	1722.936					11

Windy

NOTES RED JOB NO. 009514 SURVEY OF Lopez Cn Rd.
DATE SURVEY BY C.V. Crowe
NOTES CHKD. NOTES BY Newman DATE 12-11-63
DATE INDEXED J. GAHI DATE

F.B. 29[illegible] PG. 133

763420 S & E-383 4-64

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

JOB NO. 0095.64 SURVEY OF Lynder Cr Rd.
SURVEY BY C.K. Crow
NOTES BY Newman DATE 12-11-63
INDEXED C. J. Gill DATE
NOTES RED
DATE
NOTES CHKD
DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1722.936					
+	0.345		0.310			
π	1723.281	-11.178	11.180			
−	11.523		11.490			
T.P.	1711.758					1X1
+	0.359		0.348			
π	1712.117	-11.066	-11.067			
−	11.425		11.415			
T.P.	1700.692					1X1
+	0.657		0.648			
π	1701.349	-11.055	-11.058			
−	11.712		11.706			
T.P.	1689.637					1X1
+	8.693		8.763			
π	1698.330	-0.817	-0.817			
−	9.510		9.580			
T.P.	1688.820					1X1
+	6.332		6.302			
π	1695.152	+0.448	+0.449			
−	5.884		5.853			
T.P.	1689.268					1X1
+	7.212		7.249			
π	1696.480	+0.632	+0.634			
−	6.580		6.615			
P-15	1689.900					Fd. 1X2 E.N. per F.B. 2967
+	1.629		1.522			
π	1691.529	-10.038	-10.037			
−	11.667		11.559			
T.P.	1679.862					1X1

Windy

F.B. 2964 PG. 134

765420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1679.862					
+	0.597		0.451			
Σ	1680.459	11.291	-11.292			
−	11.888		11.743			
T.P.	1668.571					1X2
+	0.347		0.207			
Σ	1668.918	-6.860	-6.860			
−	7.207		7.067			
set B.M.# KL-10	1661.711					set B.M.# KL-10 Elev. F.B. 2947 - Lopez Cn. Rd. 2.2 mi. N. of Foothill Blvd., 40± W. of Lopez Cn. Rd.
+	2.347		2.301			
Σ	1664.058	0.412	-0.411			
−	2.759		2.712			4 Std. C.E.B.C.B.M. Man. Mkd. B.M. KL-10
set B.M.# 15	1661.299					TBM# 15
+	0.409		0.348			
Σ	1661.708	-10.887	-10.884			
−	11.296		11.232			
T.P.	1650.412					spk. in edge road.
+	0.971		0.929			
Σ	1651.383	-10.121	-10.120			
−	11.092		11.049			"
T.P.	1640.291					
+	0.431		0.368			
Σ	1640.722	-10.277	-10.280			
−	10.708		10.648			"
T.P.	1630.014					
+	0.802		0.772			
Σ	1630.816	-9.477	-9.478			
−	10.279		10.250			(P-16 out)
T.P.	1620.537					

NOTES RED: JOB NO. 0096.64 SURVEY OF LOPEZ CN. RD.
DATE SURVEY BY C.V. Crowe
NOTES CHKD. NOTES BY Neumann DATE 12-12-63
DATE INDEXED B. J. GALLI DATE

F.B. 2947 PG. 135

Windy

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1620.537					
+	0.423		0.332			
π	1620.960	-9.599	-9.598			
−	10.022		9.930			
T.P.	1610.938					spk. edge road.
+	0.301	-10.206	0.349			
π	1611.239	-10.195	-10.205			
−	10.507		10.554			
T.P.	1600.732					"
+	0.489		0.450			
π	1601.221	-7.980	-7.980			
−	8.469		8.430			
T.P.	1592.752					"
+	1.182		1.121			
π	1593.934	-7.852	-7.854			
−	9.034		8.975			
T.P.	1584.900					"
+	2.053		1.965			
π	1586.953	-4.608	-4.607			
−	6.661		6.572			
P-17	1580.292					P-17, 1x2 per. F.B. 2967 -
+	1.808		1.786			
π	1582.100	-8.424	-8.424			
−	10.232		10.210			
T.P.	1571.868					Spk. in Prmt.
+	0.533		0.468			
π	1572.401	-10.228	-10.225			
−	10.761		10.693			
TP	1561.640					"

JOB NO. 0095.64 SURVEY OF Joopes Cr. Rd. NOTES RED
SURVEY BY C.V. Crowe DATE
NOTES BY Newmarc DATE 12-12-63 NOTES CHKD
INDEXED C. J. GAIII DATE DATE

F.B. 2967 PG. 136

Windy

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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NOTES REDUCED JOB NO. 0095.64 SURVEY OF Lyons Cy. Rd.
DATE SURVEY BY Crowe
NOTES CHKD. NOTES BY Crowe DATE 12-12-63
DATE INDEXED E. J. GALLI DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	1561.640					Spk. in Pvmt.
+	0.170		0.342			
π	1561.810	-11.115	-11.116			
-	11.285		11.458			
TP	1550.525					"
+	0.521		0.489			
π	1551.046	-10.818	-10.815			
-	11.339		11.304			
TP	1539.707					" HI = 1542.608
+	2.901		2.881			- 4.696
π	1542.608	-3.607	-3.608			1537.912 = P-18 per
-	6.508		6.489			F.B. 2967-27
P-18A	1536.100					P-18A Fd. 1" I.P. and C.E. tag Dr. 6.0'
+	1.355		1.267			per F.B. 2967-27
π	1537.455	-7.900	-7.902			
-	9.255		9.169			
TP	1528.200					Spk. Pvmt.
+	0.235		0.269			
π	1528.435	-11.339	-11.340			
-	11.574		11.609			"
TP	1516.861					
+	0.680		0.629			
π	1517.541	-8.142	-8.144			
-	8.822		8.773			
P-19	1508.719					P-19. Fd spk. & T. per F.B. 2967-
+	1.189		1.131			
π	1509.908	-8.990	-8.990			
-	10.179		10.121			
T.P.	1499.729					

Windy

F.B. 2967 PG. 137

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0095.64 SURVEY OF Lopez Cn Rd. NOTES RED
SURVEY BY C.V. Crowe DATE
NOTES BY Newman DATE 12-12-63 NOTES CHKD
INDEXED C. J. GAIN DATE DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1499.729					
+	0.302		0.351			
⊼	1500.031	-8.813	-8.811			
−	9.115		9.162			
T.P.	1490.916					Spk. prm't
+	1.373		1.319			
⊼	1492.289	-6.942	-6.939			
−	8.315		8.258			
P-20	1483.974					P-20. Fd. Spk in prm't per F.B. 2967 −
+	0.629		0.550			
⊼	1484.603	-8.392	-8.392			
−	9.021		8.942			
T.P.	1475.582					Spk. prm't
+	0.470		0.454			
⊼	1476.052	-7.952	-7.954			
−	8.422		8.408			
T.P.	1467.630					Spk. prm't
+	1.680		1.729			
⊼	1469.310	-5.135	-5.135			
−	6.815		6.864			
Set. B.M.# KL-11	1462.495					Set. B.M.# KL-11 Elev. F.B. 2967 − Lopez Cn. Rd., 1.6 mi N. of Foothill Blvd., under large Oak tree W. edge Rd. @ entrance to Camp Grd.
+	1.295		1.335			
⊼	1463.790	-4.058	-4.058			
−	5.353		5.393			
Set. T.B.M.# 16	1458.437					a Std. C.E.B.C. B.M. Mon. Mkd. B.M. KL-11 Set. T.B.M.# Elev. F.B. So. end of Park. a Two prong Oak on east side of Road. A. BT. Spk. E.W. is base of tree. 100' So. of KL-11

Side shot to P-21

H.I. 1463.790
− 6.462
1457.328

windy

F.B. 2967 Pg. 13

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M. # 16	1458.437					
+	0.290		0.220			
π	1458.727	-8.462	-8.462			
−	8.752		8.682			
T.P.	1449.975					Spk. in Prm't
+	1.063		1.082			
π	1451.038	-8.067	-8.068			
−	9.130		9.150			
T.P.	1441.908					"
+	1.367		1.390			
π	1443.275	-8.296	-8.295			
−	9.663		9.685			
T.P.	1433.612					"
+	3.660		3.642			
π	1437.272	-4.030	-4.030			
−	7.690		7.672			
P-22	1429.582					P-22 Fd spk. per F.B. 2967
+	2.050		2.032			
π	1431.632	-4.357	-4.358			
−	6.407		6.390			
P-23	1425.225					P-23 Fd. Nail per. F.B. 2967
+	2.395		2.373			
π	1427.620	-9.397	-9.397			
−	11.792		11.770			
T.P.	1415.828					Spk prm't.
+	0.640		0.622			
π	1416.468	-10.885	-10.888			
−	11.525		11.510			
T.P.	1404.943					"

NOTES RED. JOB NO. 0095.64 SURVEY OF Lopez Cir Rd.
DATE SURVEY BY C.V. Crowe
NOTES CHKD. NOTES BY Newman DATE 12-13-63
DATE INDEXED C. J. GALLI DATE

F.B. 2967 PG. 139

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JOB NO. 0095.64 SURVEY OF Lopez Cr. Rd. NOTES RED
SURVEY BY C.V. Crowe DATE
NOTES BY Newman DATE 12-13-63 NOTES CHKD
INDEXED J. GALLI DATE DATE

F.B. 2967 PG. 149

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1404.943					
+	1.705		1.678			
⊼	1406.648	-6.430	-6.430			
−	8.135		8.108			
P-24	1398.513					P-24 Fd. 1x2 per F.B. 2967-
+	2.218		2.190			
⊼	1400.731	-8.113	-8.115			
−	10.331		10.305			
T.P.	1390.400					spk. Prm't.
+	2.973		2.992			
⊼	1393.373	-6.294	-6.297			
−	9.267		9.289			
T.P.	1384.106					"
+	0.490		0.471			
⊼	1384.596	-9.490	-9.489			
−	9.980		9.960			
T.P.	1374.616					"
+	2.521		2.500			
⊼	1377.137	-9.372	-9.373			
−	11.893		11.873			
T.P.	1365.244					"
+	1.927		1.955			
⊼	1367.171	-4.488	-4.490			
−	6.415		6.445			
P-25	1360.756					P-25 Fd. spk. per F.B. 2967-
+	2.388		2.401			
⊼	1363.144	-5.813	-5.815			
−	8.201		8.216			
P-26	1354.943					P-26 Fd. spk. per F.B. 2967-

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P-26	1354.943					
+	2.130		2.158			
⊼	1357.073	-1.914	-1.912			
-	4.044		4.070			
Set. B.M.# KL-12	1353.029					Set. B.M.# KL-12 Elev. F.B. 2967 - Lopez Cñ. Rd., 1.2 mi. N. of Foothill Blvd. 10' I W. of Pvmt., in clump of 3 Syc. trees, 30' I So. of entrance to Foresters Home.
+	3.450		3.382			
⊼	1356.479	-0.737	-0.736			
-	4.187		4.118			a Std. C.E.B.C. B.M. Man. Mkd. B.M.K.L.-12
Set T.B.M.# 17	1352.292					Set. T.B.M.# 17 Elev. F.B. 2967 - 50' I So. of so. entrance to Foresters Home Parking Lot. Eastside of Lopez Cñ Rd. a BT. spk. & W. in base of 2 prong Oak. 14" & 18"
+	0.560		0.528			
⊼	1352.852	-8.139	-8.140			
-	8.699		8.668			
T.P.	1344.153					Spk. Pvm't
+	1.752		1.719			
⊼	1345.905	-7.268	-7.266			
-	9.020		8.985			"
T.P.	1336.885					
+	2.628		2.554			
⊼	1339.513	-5.007	-5.009			
-	7.635		7.563			
P-27	1331.878					P-27 - Fd. Spk & T. per F.B. 2967 -
+	0.564		0.521			
⊼	1332.442	-7.821	-7.819			
-	8.385		8.340			
T.P.	1324.057					Spk. Pvm't.
+	1.059		1.018			
⊼	1325.116	-7.184	-7.183			
-	8.243		8.201			
P-28	1316.873					P-28. Fd. Nail per F.B. 2967 -

NOTES RED. JOB NO. 0095.64 SURVEY OF Lopez Cñ Rd.
DATE SURVEY BY C.K. Crowe
NOTES CHKD. NOTES BY Newman DATE 12-13-63
DATE INDEXED C. J. GALLI DATE

F.B. 2967 PG. 14

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JOB NO. 009564 SURVEY OF Lopez Cn Rd.
SURVEY BY C.K. Crowe
NOTES BY Newman DATE 12-13-63
INDEXED C. J. GALLI DATE
NOTES RED DATE
NOTES CHKD DATE
F.B. 2967 PG. 144

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P-28	1316.873					
+	0.566		0.539			
π	1317.439	-7.397	-7.396			
−	7.963		7.935			
T.P.	1309.476					SpK. Pvm't.
+	3.301		3.227			
π	1312.777	-4.467	-4.464			
−	7.768		7.691			
P-29	1305.009					P-29, Fd. 1x2, M&T. per F.B.
+	0.297		0.222			
π	1305.306	-10.011	-10.008			
−	10.308		10.230			
T.P.	1294.998					SpK. Pvm't
+	4.156		4.122			
π	1299.154	-2.708	-2.708			
−	6.844		6.830			
P-30	1292.290					P-30 Fd. SpK. & T. per F.B. 2967-
+	4.802		4.740			
π	1297.092	+0.584	+0.584			
−	4.218		4.154			
P-31	1292.874					P-31 Fd. SpK. per. F.B. 2967.-
+	10.390		10.255			
π	1303.264	+3.811	+3.813			
−	6.579		6.442			
T.P.	1296.685					SpK. Pvm't.
+	1.984		1.891			
π	1298.669	-6.401	-6.403			
−	8.385		8.294			
P-32	1290.284					P-32 Fd. SpK. & T. per F.B. 2967-

768420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P-32	1290.284					
+	1.500		1.423			
π	1291.784	-1.035	-1.038			
−	2.535		2.461			
set B.M. #KL-13	1289.249					set B.M. #KL-13 Elev. F.B. 2967-
+	1.749		1.688			Lopez Cñ. Rd., 0.8 mi. N. of Foothill Blvd, 12' E. of Prmt., opposite entrance to trailer park,
π	1290.998	+0.314	+0.313			
−	1.435		1.375			a Std. C.S.B.C. B.M. Man. Mkd BM KL-13
set T.B.M. #18	1289.563					T.B.M. #18 Elev. F.B. 2967-
+	0.350		0.335			Lopez Cñ Rd. Westside 40' No. of Drive to Sky Terrace Mobil Lodge A Bt. Spk. in P.P. #1090765E
π	1289.913	-9.943	-9.944			
−	10.293		10.279			
T.P.	1279.620					Spk. Prm't
+	1.441		1.414			
π	1281.061	-7.994	-7.996			
−	9.435		9.410			
T.P.	1271.626					"
+	1.902		1.890			
π	1273.528	-5.407	-5.409			
−	7.309		7.299			
P-33	1266.219					P-33. Fd spk per F.B. 2967-
+	1.257		1.239			
π	1267.476	-9.468	-9.469			
−	10.725		10.708			
T.P.	1256.751					Spk. Prm't.
+	0.274		0.295			
π	1257.025	-10.208	-10.208			
−	10.482		10.503			
T.P.	1246.543					"

NOTES RED. JOB NO. 0095.64 SURVEY OF Lopez Cñ Rd.
DATE SURVEY BY C. V. Crowe
NOTES CHKD. NOTES BY Newman DATE 12-13-63
DATE INDEXED C. J. GALLI DATE

F.B. 2967 PG. 51

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO 0095.64 SURVEY OF Lopez Cr Rd.
SURVEY BY E.K. Crane
NOTES BY Newman DATE 12-13-63
INDEXED C. J. GALE DATE
NOTES RED DATE
NOTES CHKD DATE

F.B. 2967 Pg. 144

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1246.543					
+	2.005		2.020			
π	1248.548	-4.155	-4.153			
−	6.160		6.173			
P-34	1242.388					P-34 Fd. Spk & T. per F.B. 2967 -
+	2.870		2.751			
π	1245.258	-4.700	-4.701			
−	7.570		7.452			
T.P.	1237.688					Spk. Prm T.
+	2.615		2.618			
π	1240.303	-6.533	6.536			
−	9.148		9.154			
P-35	1231.155					P-35 Fd. Spk. per F.B. 2947
+	3.313		3.337			
π	1234.468	-2.327	-2.326			
−	5.640		5.663			
T.P.	1228.828					Spk Prmk
+	5.356		5.407			
π	1234.184	-1.600	-1.600			
−	6.956		7.007			
T.P.	1227.228					
+	7.329		7.351			
π	1234.557	+0.556	+0.554			
−	6.773		6.797			
P-36	1227.784					P-36 Fd. Spk W & T. per F.B. 2947 -
+	0.995		0.958			
π	1228.779	-9.913	-9.915			
−	10.888		10.873			
P-37	1217.871					P-37 Fd. Spk. W. & T. per F.B. 2967 -

76S420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P-37	1217.871					
+	1.128		1.162			
π	1218.999	-8.255	-8.258			
-	9.383		9.420			
T.P.	1209.616					SpK prm't.
+	2.862		2.902			
π	1212.478	-4.683	-4.681			
-	7.545		7.583			
P-38	1204.933					P-38 Fd. SpK. & T. per F.B. 2967 -
+	0.230		0.260			
π	1205.163	-8.990	-8.993			
-	9.220		9.253			
Set B.M. #KL-14	1195.943					B.M. #KL-14 Elev. F.B. Filmore & Gladstone & Lopez Cn Rd. West side. A wire spk. is nailed on the east side wall of the Flood Control Channel.
+	4.553		4.447			
π	1200.496	+0.406	+0.406			
-	4.149		4.041			
Set T.B.M. #19	1196.347					T.B.M. #19 Elev. F.B. Filmore Ave. Eastside. 50'± So. of Gladstone Ave. A Flood Control Tack & Tag. in Lead & channel east headwall.
+	1.308		1.242			
π	1197.655	-8.420	-8.421			
-	9.728		9.663			
T.P.	1187.927					1x2
+	1.051		0.964			
π	1188.978	-6.998	-6.995			
-	8.049		7.959			
T.P.	1180.929					SpK. prm't.
+	1.829		1.790			
π	1182.758	-6.235	-6.235			
-	8.064		8.025			
T.P.	1174.694					

NOTES RED _____ JOB NO. 0095.64 SURVEY OF Lopez Cn Rd.
DATE _____ SURVEY BY C.V. Crowe
NOTES CHKD _____ NOTES BY Newman DATE 12-13-63
DATE _____ INDEXED J. GALLI DATE _____

F.B. 2967 PG. 145

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0095.64 SURVEY OF Lopez Cn Rd.
SURVEY BY C.V. Crowe
NOTES BY Newman DATE 12-16-63
INDEXED C. J. GALLI DATE
NOTES RED DATE
NOTES CHKD DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	1174.694					
+	1.089		0.921			
π	1175.783	− 6.288	− 6.287			
−	7.377		7.208			
T.P.	1168.406					Spk. prm'T
+	0.942		0.868			
π	1169.348	− 5.638	− 5.635			
−	6.580		6.503			
T.P.	1162.768					"
+	5.449		5.404			
π	1168.217	+ 1.339	+ 1.337			
−	4.110		4.067			
T.P.	1164.107					1x2
+	5.744		5.691			
π	1169.851	− 0.082	− 0.081			
−	5.826		5.772			
BM# 03 00540	1164.025					B.M. # 03 00540 Elev. 1164.069-60 L.A.City F.B. ? Pg 0002 ? Std. Trav. Mon., 5-M-20, on E Foothill Blvd., 267.40 S. Ely. of E Filmore St.

Notes Ck'd by	Survey of Pacoima-Hubbard Loop	F.B. 2967 PG. 149
Map No.	JN 0095.87 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes CVC Date 21 Dec '63	
Date	Indexed J. GALLI MAY 1 2 64	

PACOIMA CN. — HUBBARD ST. LOOP RD.
RANCHO and SECTION LINES

J.N. 0302.01

Dec. 1963 — March 1964

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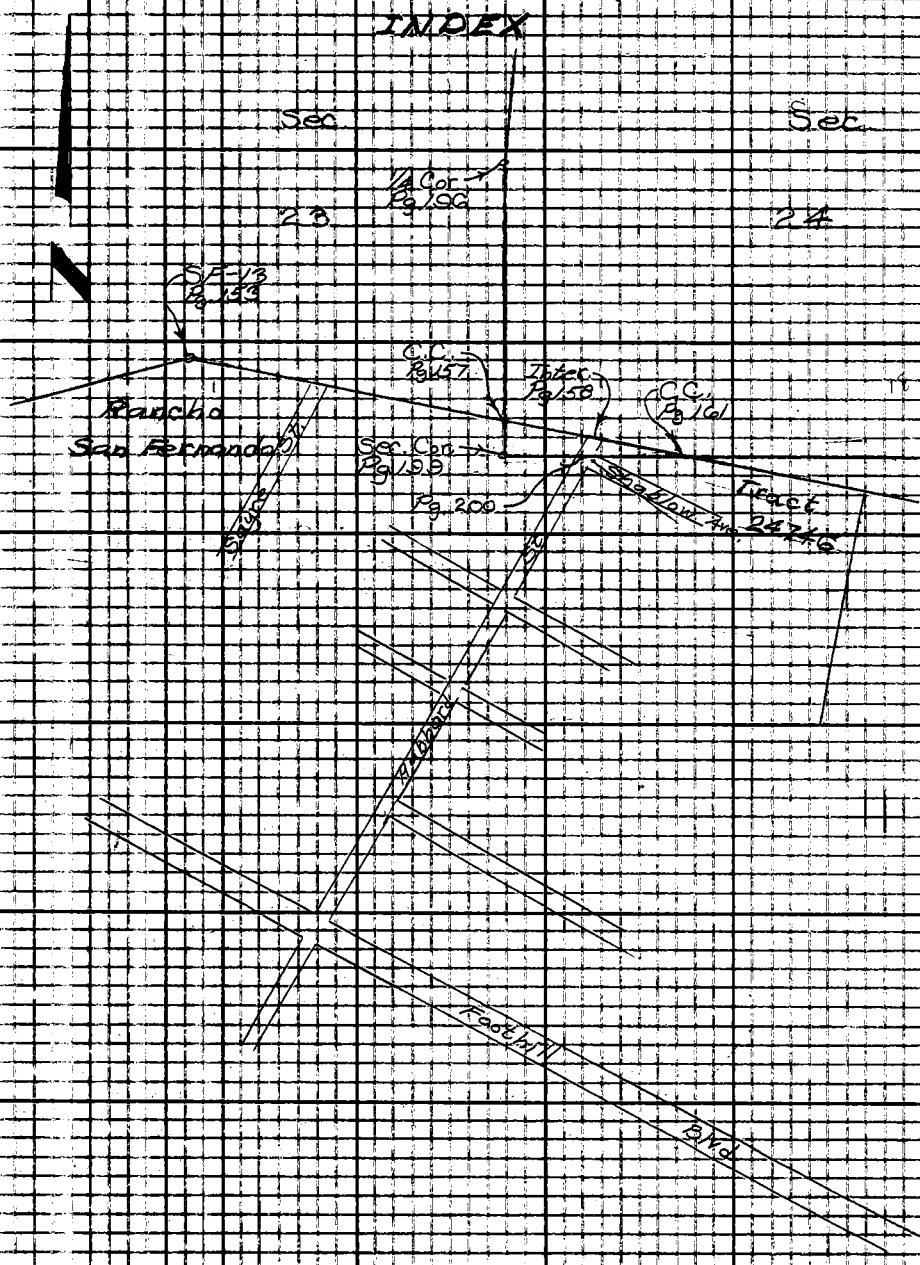
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Reference	Party
C.S.B. 468-3	Crowe
C.S. 8273	Newman
F.B. 439	Spriggs
F.B. 61	Falsey
F.B. 1304	
C.S.B. 2662	
C.S. 8517	
F.B. 370	
L.A. City F.B. 12262	
" F.B. 10602	
" F.B. 20801	
" F.B. 12939	

76F3095 CE #310 6-62

F.B. 2967 Pg. V510

INDEX



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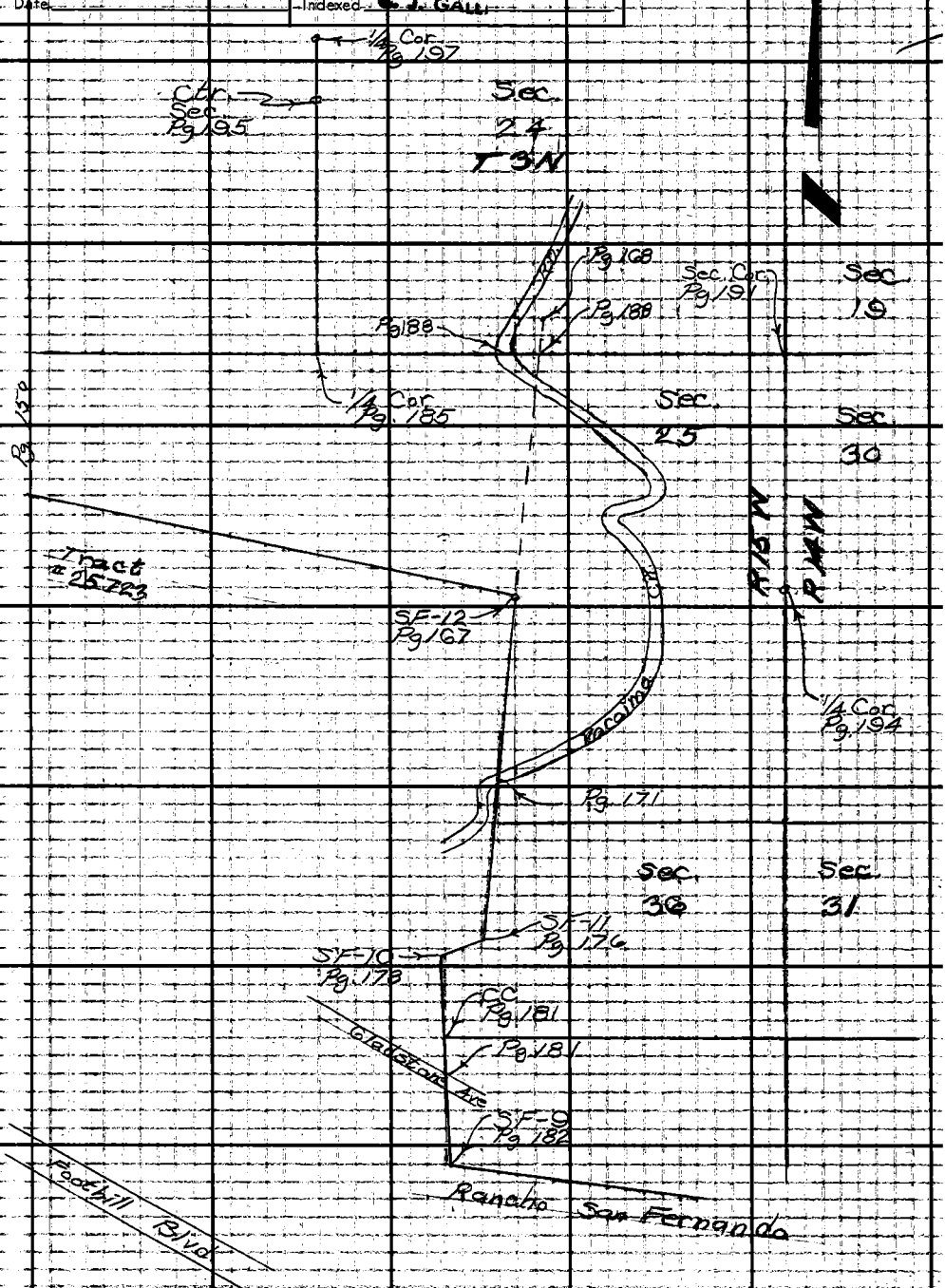
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Sec. Lines
JN030201 Tape 145 Std 84 °F
Surveyed by Crawe
Notes C.V.C. Date 10 JAN 64
Indexed C. J. GALLI

F. B. 2967 PG. 157



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S C.E. #310 9-62

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Pacoima-Hubbard Loop
JN 0005.87 Tape 65 Std 84 °F
Surveyed by Crowe
Notes Crowe Date 21 Dec 63
Indexed R. J. GAILL

F. B. 2967 PG. 153

Contd. Bot. Pg. 154

W.S. 62, P-5

Sec. 23

Rancho San Fernando

180.02

Rancho Line

135.80 @ 3°12 = 135.59
135.98 @ 4°28 = 135.57
T 66° = 135.55

138.85 @ 3°30 = 138.59
138.70 @ 2°22 = 138.58
T 66° = 138.56
274.11

2-74.11
R-1
Set 1x2 I.N. Fl. on line from R-4 thru R-2 and found that this line also passed through SF-13

Miniature Golf Club House

274.11

152° 33' 50" per F.B. 12262-68
152° 33' 40" per C.S.B. 468-3

Conc. Slab

13.55

0+00
= S.F.-13
Fd. C.S.B.C. Mon.
Fl. Mkd as shown
per L.A.Cit. F.B. 12262-68
F.B. 10602-73
F.B. 1304-20
F.B. 61-104
F.B. 439-43,73
C.S.B. 468-3
Set L.
C.E. tag Ch.

27.55

F.B. 1304-20

RANCHO SAN FERNANDO SURVEYOR SEC. 23 + S.F. 13

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S C.E. #310 6-62

Contd. Bot. Pg. 155

F.B. 2967 Pg. 154

Sec. 23

Rancho San Fernando

Ranch Line

15' Offset line

187.08'

0.10

6+64.68
R-4
Set N. in Conc. of 4" T.P. @ 90° to offset line & 15' from R-4 off

15.00'

R-4A
Fd 4" T.P.
Conc. & Spk
up 2" per
L.A. City F.B. 12262-69
F.B. 1304-21

6+64.68
R-4 off
Set 1X2 & N. on line between R-25 & R-3B

R-3B off
Set 1X2 & N. by trial & error until line Prod from R-25 is 15' off
R-3A
Used for line

66.86

(30)

66.87 @ Lev. = 66.87'
66.95 @ 2°47 = 66.87'
T 66 = 66.86'

SAYRE ST.

(30)

15.00

3.45

5+97.82
R-3
Set 1X2 & N.

R-3A
Fd 4" T.P.
Conc. & Spk
up 3" per
L.A. City F.B. 12262-69
F.B. 1304-21

143.71 @ Lev. = 143.71'
143.83 @ 2°19 = 143.71'
T 64 = 143.69'

143.69'

R-2
Set 1X2 & N. @ 90° from offset line & 15' from R-2 off

15.00

4+54.13
R-2 off
Set 1X2 & N. on line Prod from R-25 off Pg 167 thru R-3B off

180.04 @ Lev. = 180.04'
180.06 @ 0°32 = 180.05'
T 64 = 180.02'

180.02'

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Contd. top Pg. 153

Notes Ck'd by	Survey of Ancaima - Hubbard Loop	F.B. 2967 PG. 155
Map No.	JN 0006.87 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 26 Dec. 65	
Date	Indexed C. J. GALLI	

Contd. Bot. Pg. 156

112.95 @ Lev. = 112.95
112.97 @ 1°27' = 112.93
T 70° = 112.92

112.92

11+57.14
R-7 off
Set 1X2 & N

134.36 @ Lev. = 134.36
134.39 @ 0°30' = 134.38
T 72° = 134.35

Sec. 23

Rancho Line

15' Offset Line

134.35

10+22.79
R-6 off
Set 1X2 & N

15'

Rancho
San Fernando

171.40 @ 3°38' = 171.06
171.30 @ 3°05' = 171.05
T 70° = 171.03

171.03

8+51.76
R-5 off
Set 1X2 & N

187.14 @ 0°59' = 187.11
187.11 @ 0°31' = 187.10
T 64 = 187.08

187.08

Contd. top Pg. 154

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3095 CE #310 6-62

F. B. 2967 Pg. 156

Contd. Pg. 157

95.40 @ 3°49 = 95.19

95.56 @ 5°10 = 95.17

T 72° = 95.16

Sec. 23

141.47 @ 4°00 = 141.12

141.37 @ 3°31 = 141.10

T 72° = 141.09

Rancho San Fernando

95.16

17+07.87

R-11 off

Set 1x2 & N

141.09

15'

15+66.78

R-10 off

Set 1x2 & N

165.43 @ 3°22 = 165.14

165.53 @ 3°56 = 165.14

T 70° = 165.12

Rancho line

15' Offset line

165.12

14+01.66

R-9 off

Set 1x2 & N

131.60

131.91 @ 3°52 = 131.61

131.84 @ 3°16 = 131.63

T 70° = 131.60

12+70.06

R-8 off

Set 1x2 & N.

by wigale between R-25 off Pg. 167 and R-3B off Pg. 154

112.92

Contd. Bot. Pg. 155

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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W.S. 62, D-5

Notes Ck'd by	Survey of Section Line	F.B. 2967 Pg. 157
Map No.	JN 0302.01 Tape 145 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes CVC Date 4 March 64	
Date	Indexed J. GALLI	

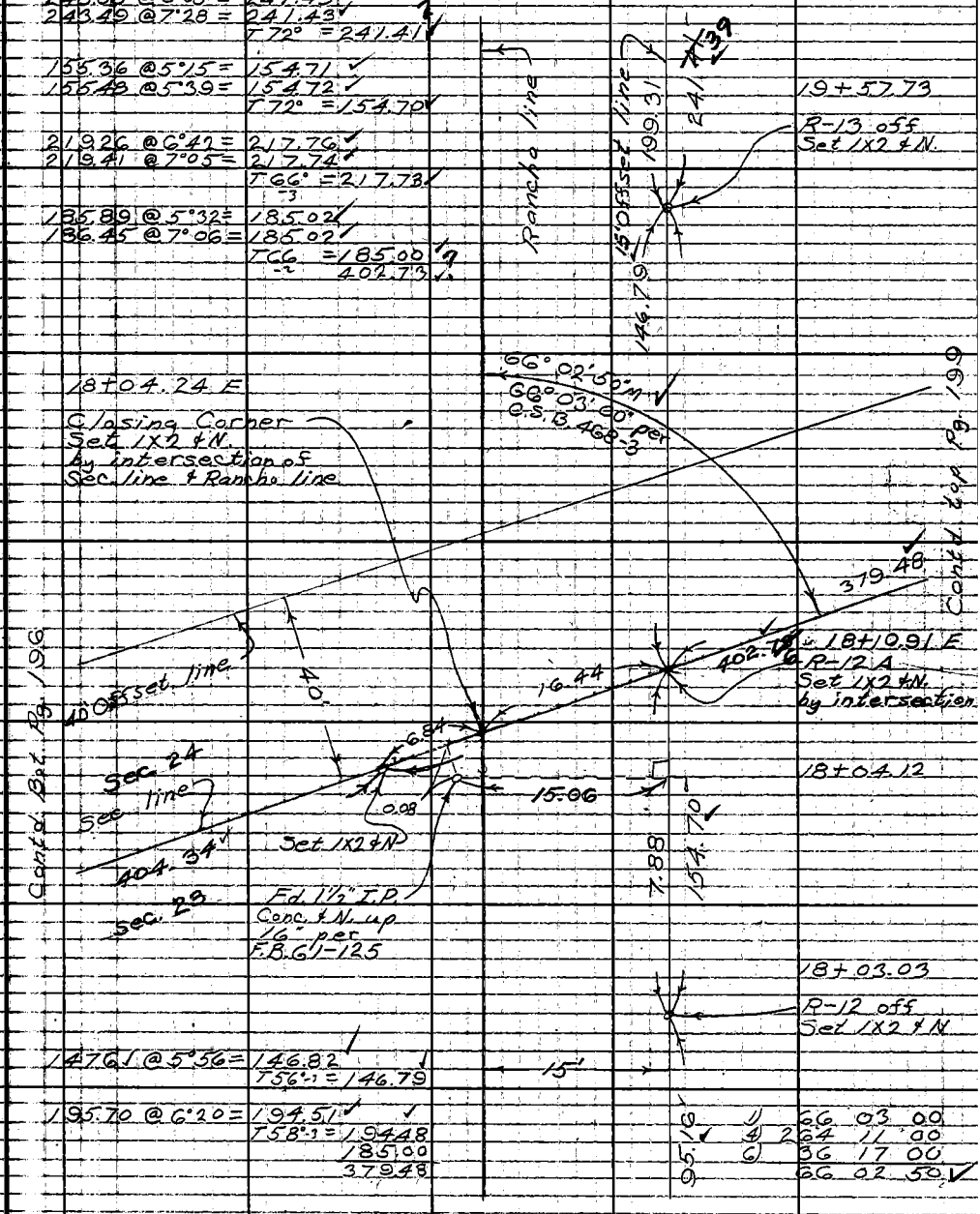
Contd. Bot. Pg. 158

243.85 @ 8°05 = 241.43
243.49 @ 7°28 = 241.43
T 72° = 241.41

155.36 @ 5°15 = 154.71
155.48 @ 5°39 = 154.72
T 72° = 154.70

219.26 @ 6°42 = 217.76
219.41 @ 7°05 = 217.74
T 66°-3 = 217.73

185.89 @ 5°32 = 185.02
186.45 @ 7°06 = 185.02
T 66-2 = 185.00
402.73



147.61 @ 5°56 = 146.82
T 56°-3 = 146.79

195.70 @ 6°20 = 194.51
T 58°-3 = 194.48
185.00
379.48

1)	66	03 00
4)	264	11 00
6)	36	17 00
	66	02 50

Contd. top Pg. 156

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RETURN TO LOS ANGELES COUNTY ENGINEER
1100 LOS ANGELES COUNTY ENGINEERING BLDG.

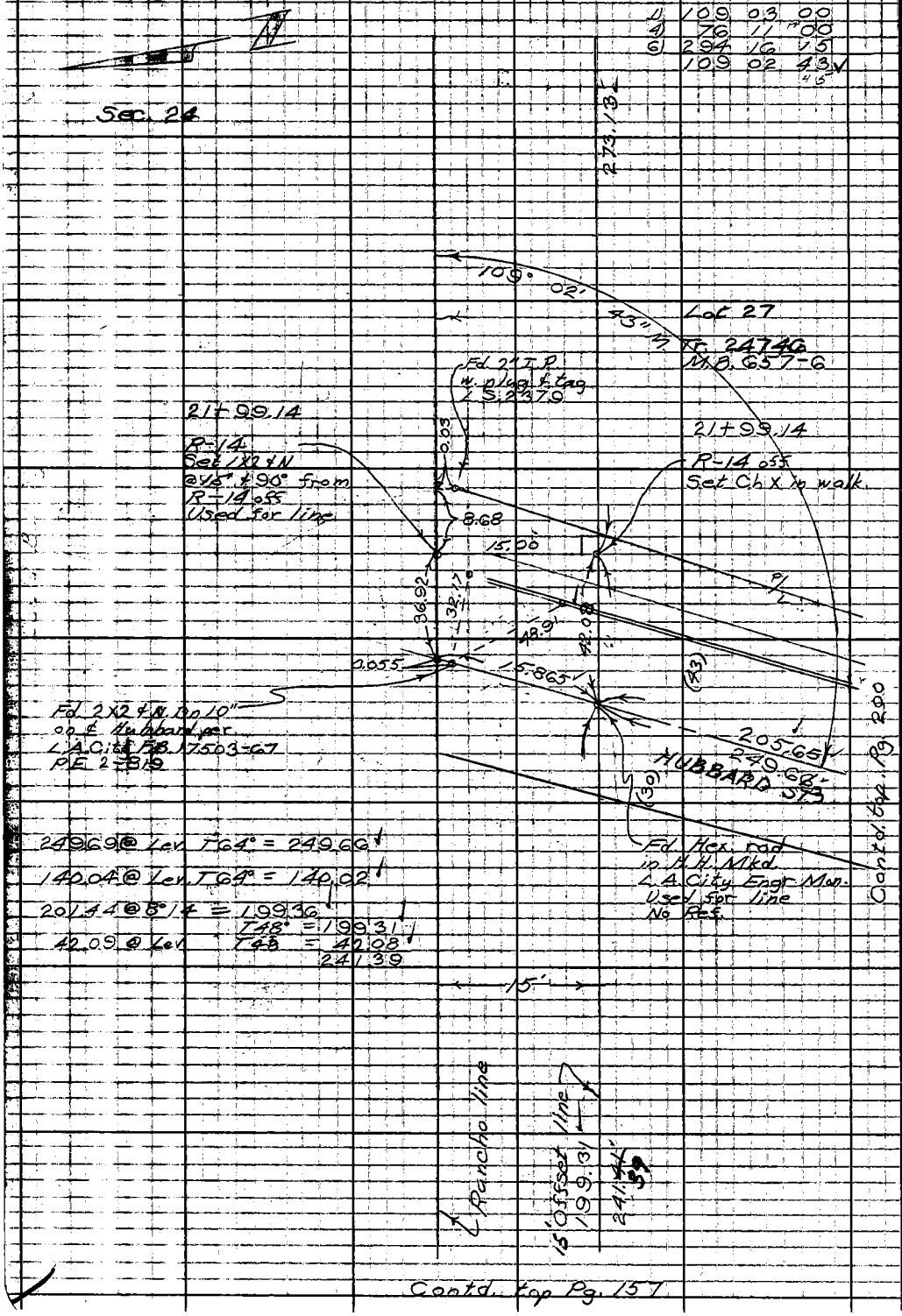
763098 CE #247 7-59

F.B. 2967 Pg. 158

Contd. Bot. Pg. 159

1)	109	03	00
4)	76	11	00
6)	294	16	15
	109	02	43

Sec. 24



249.69 @ Lev. T64° = 249.66

140.04 @ Lev. T64° = 140.02

201.44 @ 8°14 = 199.36

T48° = 199.31

42.09 @ Lev. T48 = 42.08

241.39

Contd. top Pg. 157

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Notes Ck'd by	Survey of Pacoima-Hubbard Loop	F. B. 2967 PG. 159
Map No.	JN 0095-87 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 26 Dec 63	
Date	Indexed S. J. GALLI	

Contd. Bot. Pg 160

Sec. 24

148.02

Lot 20
Tr. 24746

24+72.27

R-15 off
Set Ch X
Conc. walk

BOMBAY ST.

(27)

(27)

Lot 27
Tr. 24746

Rancho Line

Offset Line

15'

273.13

274.81 @ 6°18 = 273.15

274.65 @ 5°57 = 273.17

$\overline{172°}_{-2}$ = 273.13

Contd top Pg. 158

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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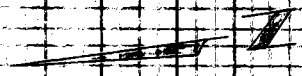
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

F.B. 2967 Pg. 160

Contd. Bot. Pg. 161



173.40

175.87 @ 9°34 = 173.42
175.43 @ 8°41 = 173.42
T 64° = 173.40

Sec. 24

26+20.29
R-16 off
Set 1X2 & N.

0.10

0.76

26+19.53
R-15A
Set N.
in Conc. on line

14.90

Fd. 4" I.P.
Conc. & Spk (bent)
up 12" per
F.B. 1304-25
L.A. City F.B. 12262-71

Tract # 24746
MB 657-G

Rancho line

15' Offset line

149.60 @ 8°18' = 148.03
149.33 @ 7°31' = 148.05
T 72° = 148.02

148.02

15'

Contd top Pg. 159

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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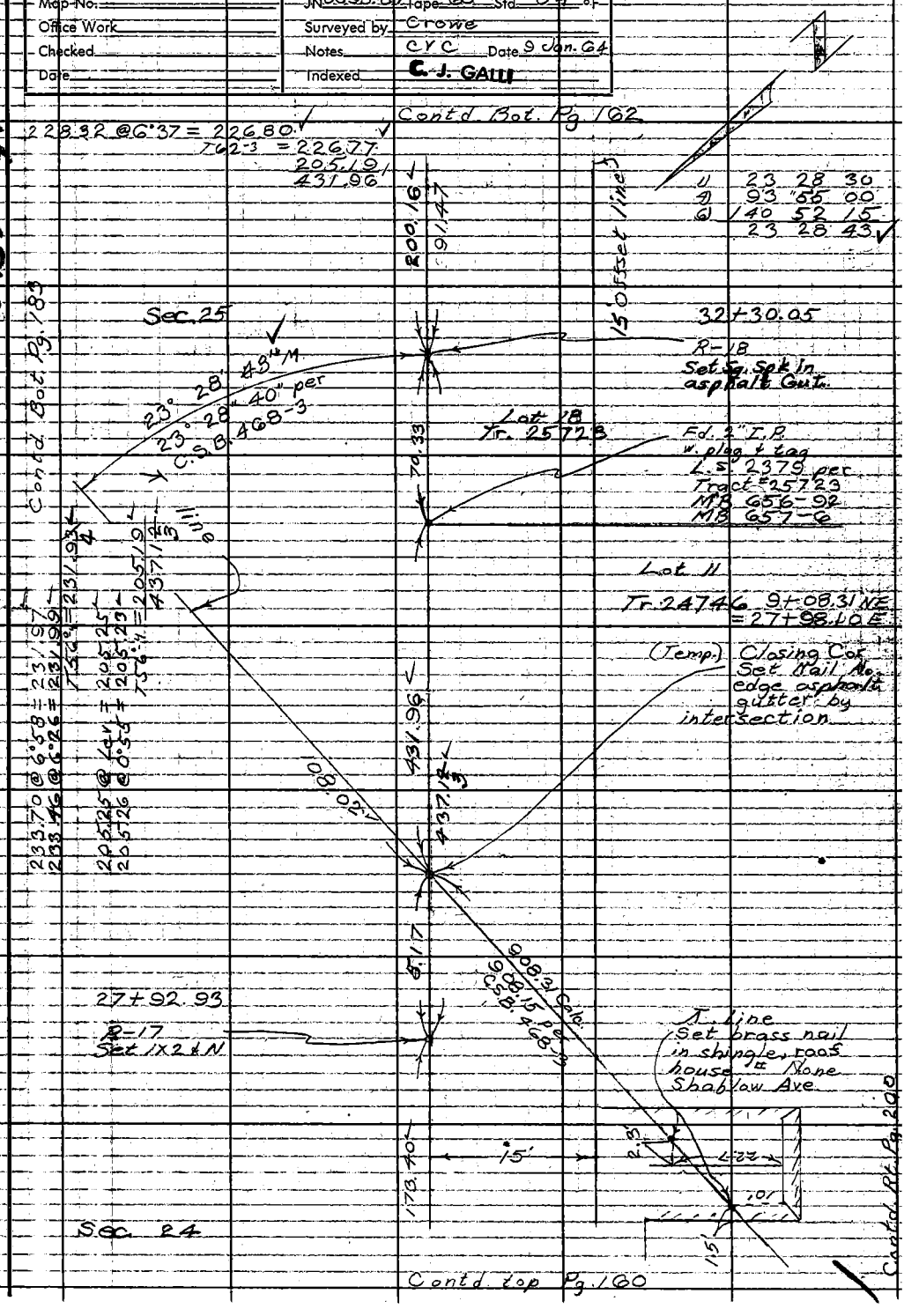
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Pacoima Hubbard Loop
Map No.	JN 0095.87 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CYC Date 9 Jan. 64
Date	Indexed C. J. GALLI

F.B. 2967 Pg. 161



Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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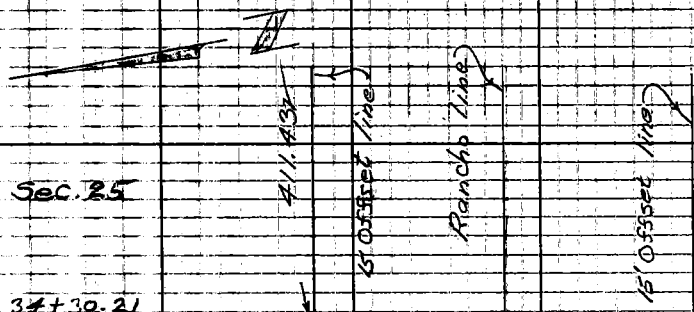
RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

76309S CE #247 7-53

F.B. 2997 PG. 162

Contd. Bot. Pg. 163



34+30.21

R-19 off
Set 1X2 & N @ 15'
and 90° from R-19
Used for line

15.00

34+30.21
R-19
Set 1X2 & N. F.I.

Lot #20
Tr. 25723

200.75 @ 4°16 = 200.19
200.57 @ 3°28 = 200.20
T 62°s = 200.16

RAJAH ST.

Searched
Fd. nothing

Lot #19
Tract #25723

15'

200.16

91.17

Contd. top Pg. 161

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
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Notes Ck'd by	Survey of Pacoima-Hubbard Loop	F.B. 2967 PG. 163
Map No.	JN 0095.87 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes CVC Date 9 Jan 64	
Date	Indexed C. J. GALLI	

Contd Bot Pg 164

229.49 @ 4°47 = 228.69
229.46 @ 4°37 = 228.71
T68°-2 = 228.67

195.72 @ 3°38 = 195.33
195.89 @ 4°16 = 195.35
T68°-2 = 195.31

423.98

423.98

Sec 25

Set N & T in PP # 292664-M

R-20A Set 1X2 & N @ 90° & 15' from 1X2 & N to So.

1.59

14.99

15.00

Set 1X2 & N on line between R-25 off & R-8 off

63.67

38.01

Set N & T Guy pole

38+41.64

R-20 off Set 1X2 & N

38+13.36 Fd. 2" I.P. and tag L.S. 2379 Dn. 12" per Tract # 25723 MB 656-92

28.28

15.23

Lot 26 Tract 25723

212.36 @ 3°41 = 211.92
212.44 @ 4°04 = 211.90
T70°-2 = 211.88

199.94 @ 3°28 = 199.57
200.03 @ 3°49 = 199.59
T70°-2 = 199.55

411.43

411.43

15 Offset line

Rancho line

Offset line

Contd. top Pg. 162

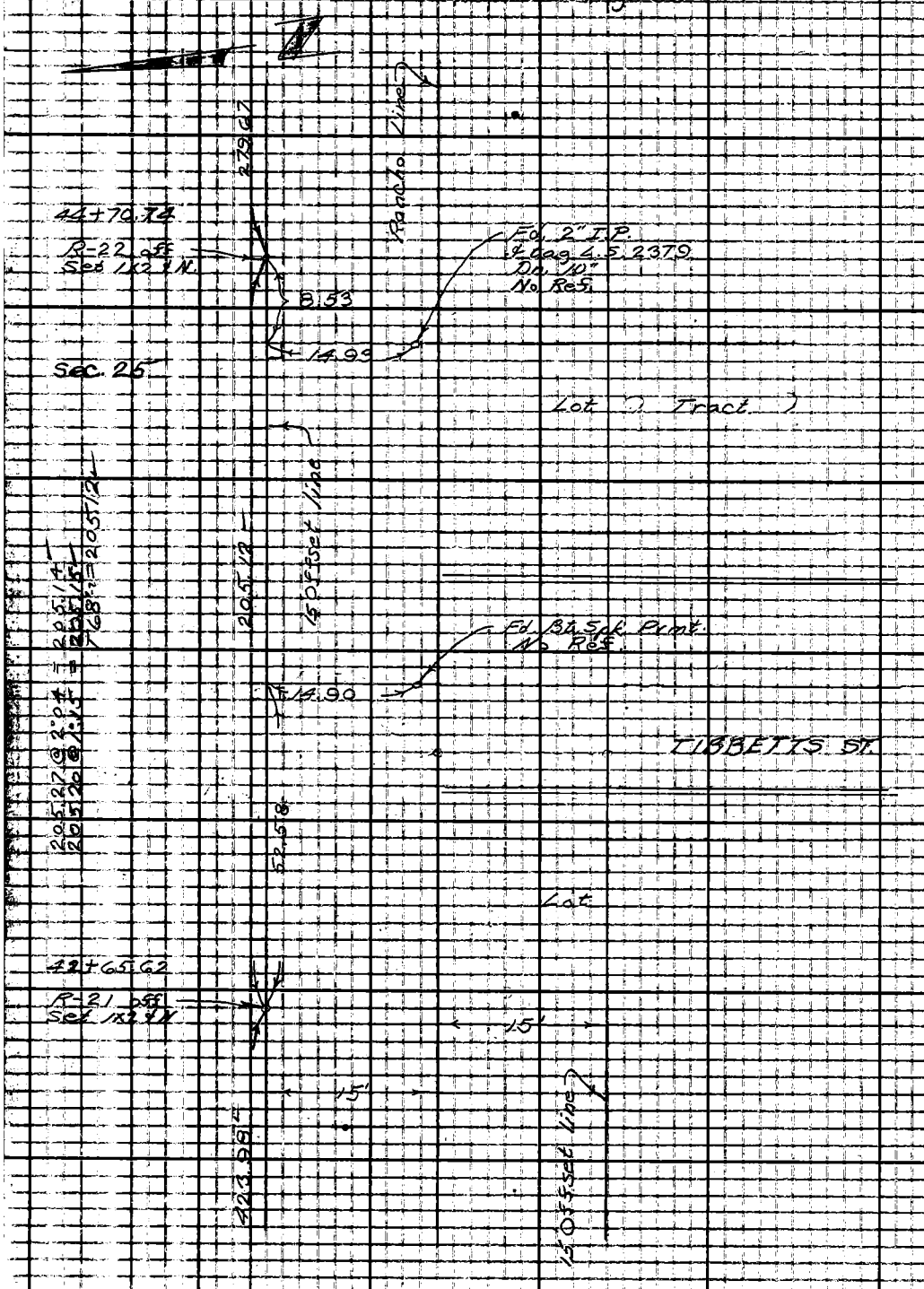
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

Contd. Bot. Pg. 165



Contd. top Pg. 163

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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Sec. Line
Map No.	JN 0302.01 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date 10 Jan. 64
Date	Indexed E. J. GALLI

F. B. 2967 Pg. 165

W.S.53, C-1

Contd. Bot. Pg. 166

49+38.36

316.7X

281.64

Fd. 2" I.P.
Conc. N. & tag Dn. 1"
L.S. 653 per
Tract #24742
MB 639-57
Tract #25723
MB 656-92

14.99

GRIDLEY AVE.

187.95

69.54 @ 4°31 = 69.32
69.88 @ 7°10 = 69.33
T 62°-1 = 69.31

249.86 @ 7°59 = 247.44
249.92 @ 8°05 = 247.44
T 62°-4 = 247.40
316.71

47+50.41

R-23 off
Set 1X2 & N

Sec. 25

Rancho
San Fernando

15'

51.01

279.88 @ 2°00 = 279.71
279.95 @ 2°23 = 279.71
T 60°-4 = 279.67

14.93

15'

Fd. 2" I.P.
Conc. N. W. & tin up 1"
L.S. 653
No Ref.

279.67

15' offset line

Rancho line

15' offset line

Contd. top Pg. 164

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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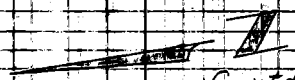
RETURN TO
LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247 7-53

F.B. 2967 Pg. 166



Contd. Bot. Pg. 167

1)	97	00	00
4)	28	00	30
5)	222	00	30
	97	00	05

194.09 @ 4°14 = 193.56
194.17 @ 4°29 = 193.58
T62°-3 = 193.53

Sec. 25

41.23 @ 31°45 = 35.06
T68°-0 = 35.06

212.87 @ 3°59 = 212.35
T68°-2 = 212.33
69.31
281.64

193.53

15' 15' Rancho San Fernando

Fd. old 2X2 & N
Dn. 3" top of cliff
No. Ref.
Replaced with
1" I.P. & C.E. tag
up 2" in rock Md.

15.00

5.43

50+67.12
R-24 off
Set 1X2 & N
top of cliff

Contd. Bot. Pg. 168

35.06

383.62

192.24

Contd. top Pg. 169

2300'±

68+18.60
S-31
Set 1X2 & N

Offset Line

R-23 A off
= S-32
= 70+10.84 N
= 50+32.06 E

Set 1" I.P.
& C.E. tag by
intersection
toe of cliff.
in rock Md.

97° 00' 05"

Rancho line

15' offset line

15' offset line

316.7

281.64

65.38 @ Lev. T60°-1 = 65.37
120.55 @ 5°09 = 120.06
T62°-2 = 120.04
6.83 @ Lev. T62° = 6.83
192.24

Contd. top Pg. 165

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Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Pacoima-Hubbard Loop
JN 00 95 87 Tape 63 Std 84 F
Surveyed by Crowe
Notes CYC Date 6 Jun 64
Indexed R. J. GALLI

F. B. 2967 Pg. 167

Contd. fr. Pg. 200

Sec. 25 — 'P' line
T3N R15W

Cone Camp House

S.F. 12
Fd. B.C. in
12"x12" Conc. pad
up 6" Mkd. as
shown per
C.S.B. 468-3
F.B. 439-144, F.B. 61-116, F.B. 1304-3
(Note Sec. 5 is an
incorrect marking).

Fd. 3¼" I.P.
1 B.C. up 14"
Mkd. as shown per

RANCHO SAN FERNANDO SURVEYOR S.F. 12

U.S. FOREST RESERVE BOUNDARY POST No. 143

S 89° 88'

69° 03' 00"
55"

6,965.21 per
F.B. 61-116
6,968.42 per
F.B. 1304
6,968.09 Meas

51° 02' 55"

Rancho line

52+60.65 E
R-2505.5
Set 1x2 ±N.
@ 90° ∠ 15'
From S.F.-12
Used for line

4.24

15.00

15.00

R-2505.5
Set 1x2 ±N.
@ 90° ∠
Rancho line
Used for line

Contd. top Pg. 169

Contd. top Pg. 168

2.00 ±

83° 00' 00" per F.B. 1304
82° 59' 57"

11	83	00	00
4	332	00	00
6	737	59	45
	82	59	57

193.53

15' Offset line

Rancho line

15' Offset line

11	151	03	15
4	244	11	45
6	188	17	30
	151	02	55

11	68	03	00
4	272	12	00
6	48	18	00
	68	03	00

Rancho
San Fernando

Contd. top Pg. 166

W.S.53 G.T.

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Dates and Name of Person Making Change.

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7 & F 309S C.E. #310 8-62

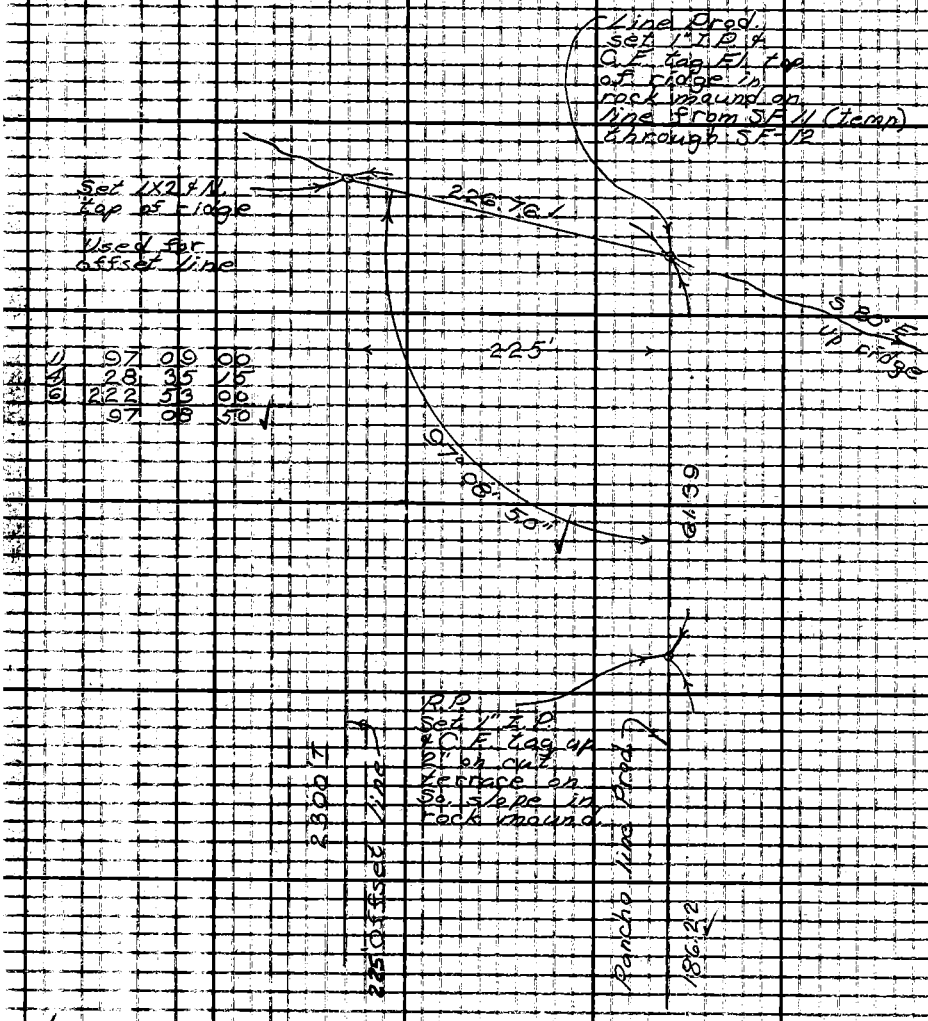
F.B. 2967 Pg 168

5.21 @ 1 ev. T 56° = 5.21
70.67 @ 37°20 = 56.19
T 56° = 56.18
61.39

225.08 @ 10°18 = 221.45
224.56 @ 9°31 = 221.47
T 52°-5 = 221.40

5.36 @ 1 ev. T 52° = 5.36
226.76

Sec. 24



1)	97	09	00
4)	28	35	15
6)	222	53	00
	97	08	50

Contd. Lt. Pg. 166 Contd. Lt. Pg. 188

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Notes Ck'd by	Survey of Section Line
Map No.	JN 0302.01 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes C.V.C. Date 27 Jan 64
Date	Indexed J. GALM

F. B. 2967 Pg. 169

Contd. Rt. Pg. 166

Contd. Rt. Pg. 167

Rancho San Fernando

383.62

18489 @ 5°41 = 183.98 / T 56°-3 = 183.95

200.29 @ 4°23 = 199.70 / T 58°-3 = 199.67 / 383.62

Sec. 25

64+34.98

S-30 Set 1X2 & N.

225'

394.87

Rancho line

60+40.11

S-29 Set 1X2 & N.

225' Offset line

383.54

196.79 @ 1°23 = 196.73 / T 70°-2 = 196.71

187.36 @ 4°13 = 186.85 / T 70°-2 = 186.83 / 383.54

159.83 @ 0°51 = 159.81 / T 70°-1 = 159.80

235.14 @ 0°54 = 235.11 / T 60°-4 = 235.07 / 394.87

Contd. top Pg. 170

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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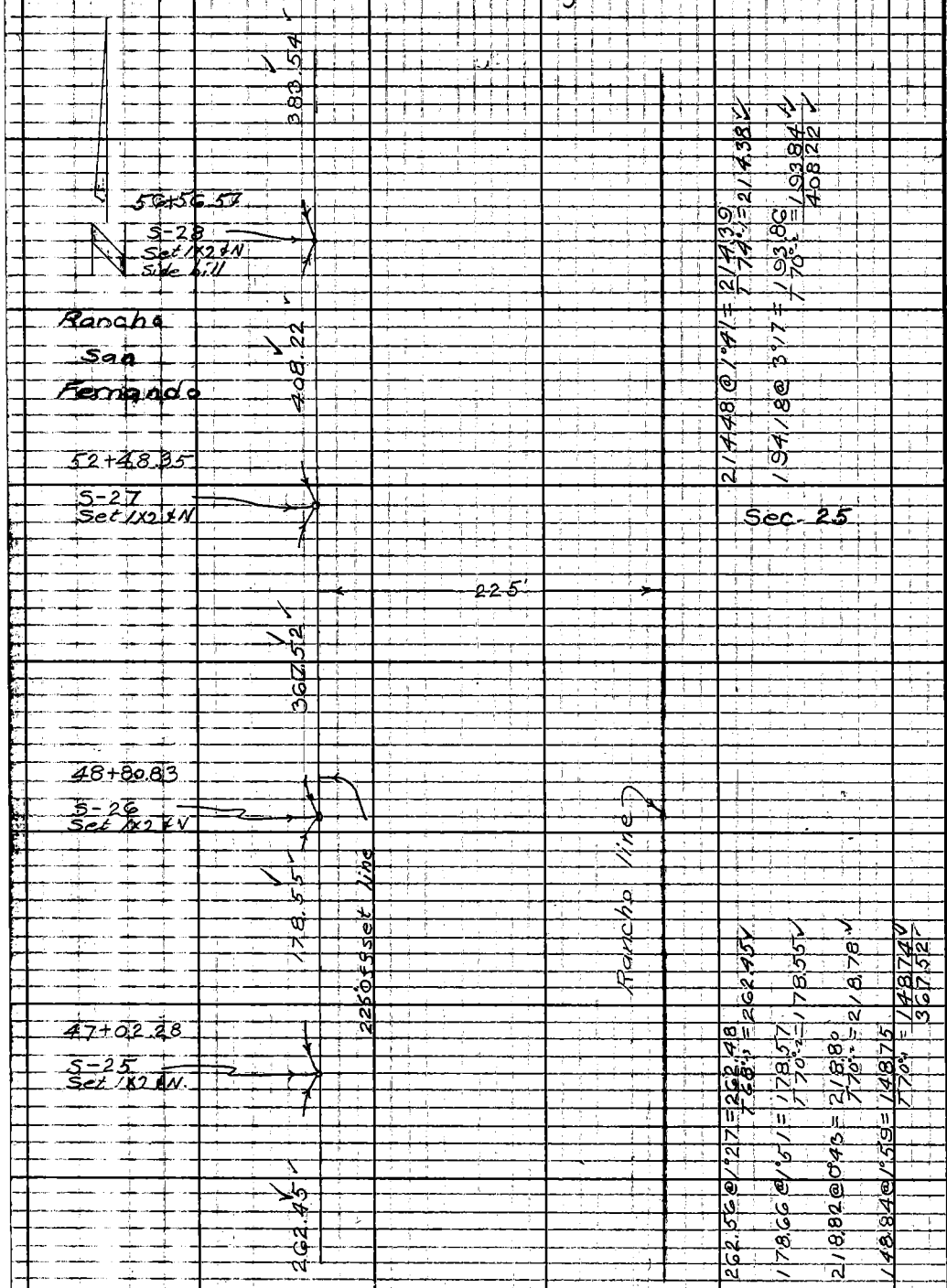
RETURN TO LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247 7-53

F.B. 2967 PG. 170

Contd Bot. Pg. 169



Contd. top Pg. 171

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Section Lines
Map No.	JN 0302.01 Tape 65 Std. 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 24 Jan. 64
Date	Indexed C. J. GALLI

F.B. 2967 PG. 171

W/S.S.3 1/G-1

Contd. Bot. Pg 170

15.49					
185.53					
23.07					
225.00					
L = 60'					
L = 100'					
	1.97.93	1.97.61			
	L = 168'	L = 103.07			
		L = 168'	L = 300.68		

262.45

44+39.83

S-24
Set 1X2 ⊥N

Sec. 25

1.97.68 @ 1°20' =
1.85.62 @ Lev. =

1.03.08 @ Lev.

41+39.15

S-23
Set 1X2 ⊥N. Pl.

300.68

90°00'00"

Searched for 2" I.P. per F.B. 1304-7 Fd. nothing

225.00

55.41

RD.

Fd. Sq. Spk & T. Pmt. painted with G. white cross. No Res. (See Pg. 214)

GN

5.08

13.85

Contd. Bot. Pg. 214

1.85.89 @ 1°26' = 1.85.80
60°-3 =

1.86.78 @ 2°57' = 1.86.50
60°-4 =

1.67.27 @ 2°03' = 1.67.19
60°-4 =

1.67.13
3.53.63

official line

289.29

S-22A
=PC-14
Set 1X2 ⊥N
by intersection

353.68

P.C.

439

37+85.52

R.P.

20'±

S-22
Set Bt. Spk ⊥N
In Pmt. 0.5' from
edge Pmt. & 20'
E. of PP# 2265-F

Rancho

San Fernando

Rancho line

136

1)	136	45	30
4)	187	03	00
6)	100	34	30
	136	45	45

1)	90	00	00
4)	360	00	00
	90	00	00

185.80

Contd. top Pg 172

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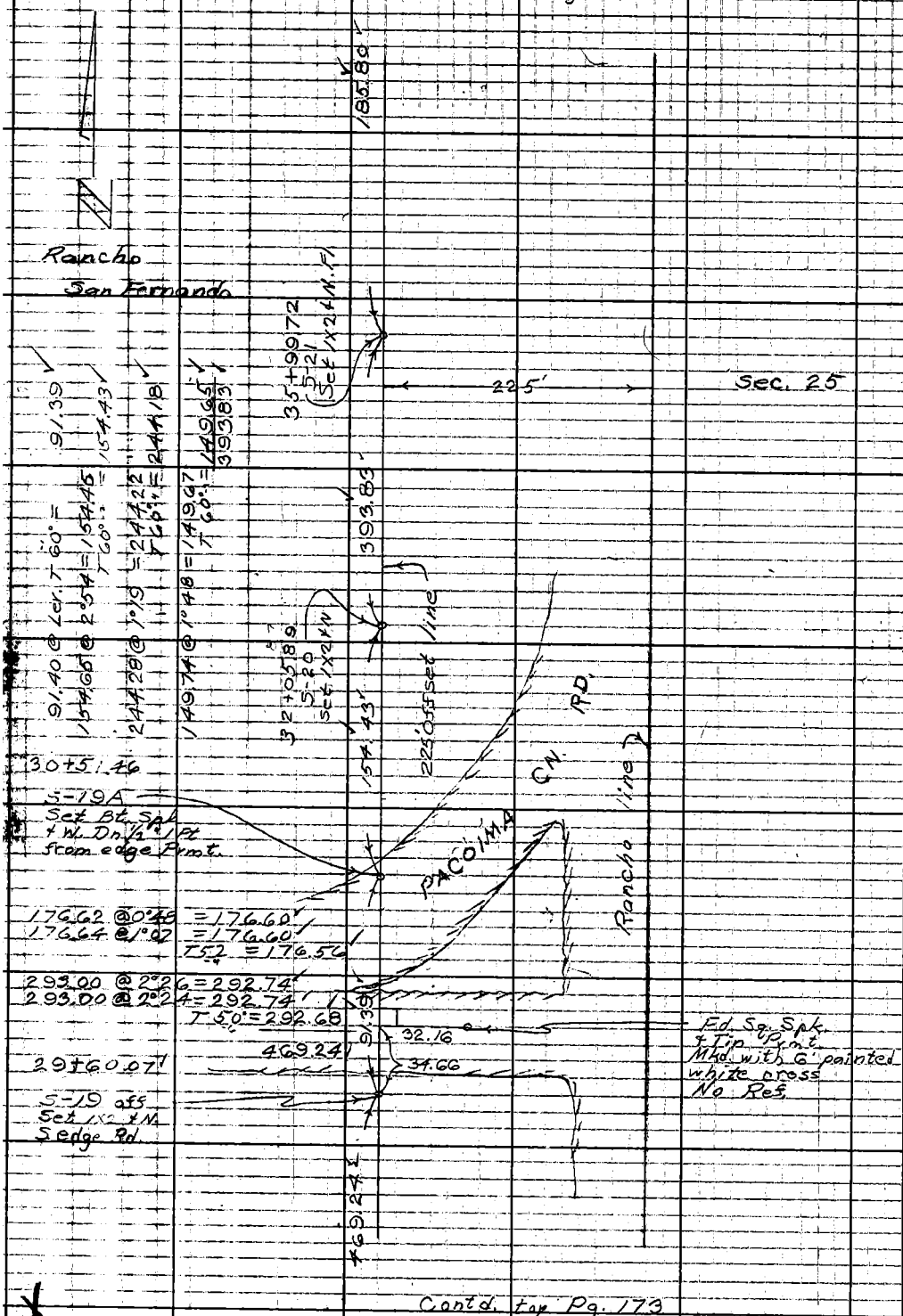
RETURN TO
LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247 7-53

F.B. 2967 Pg. 172

Contd. Bot. Pg. 171



Contd. top Pg. 173

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

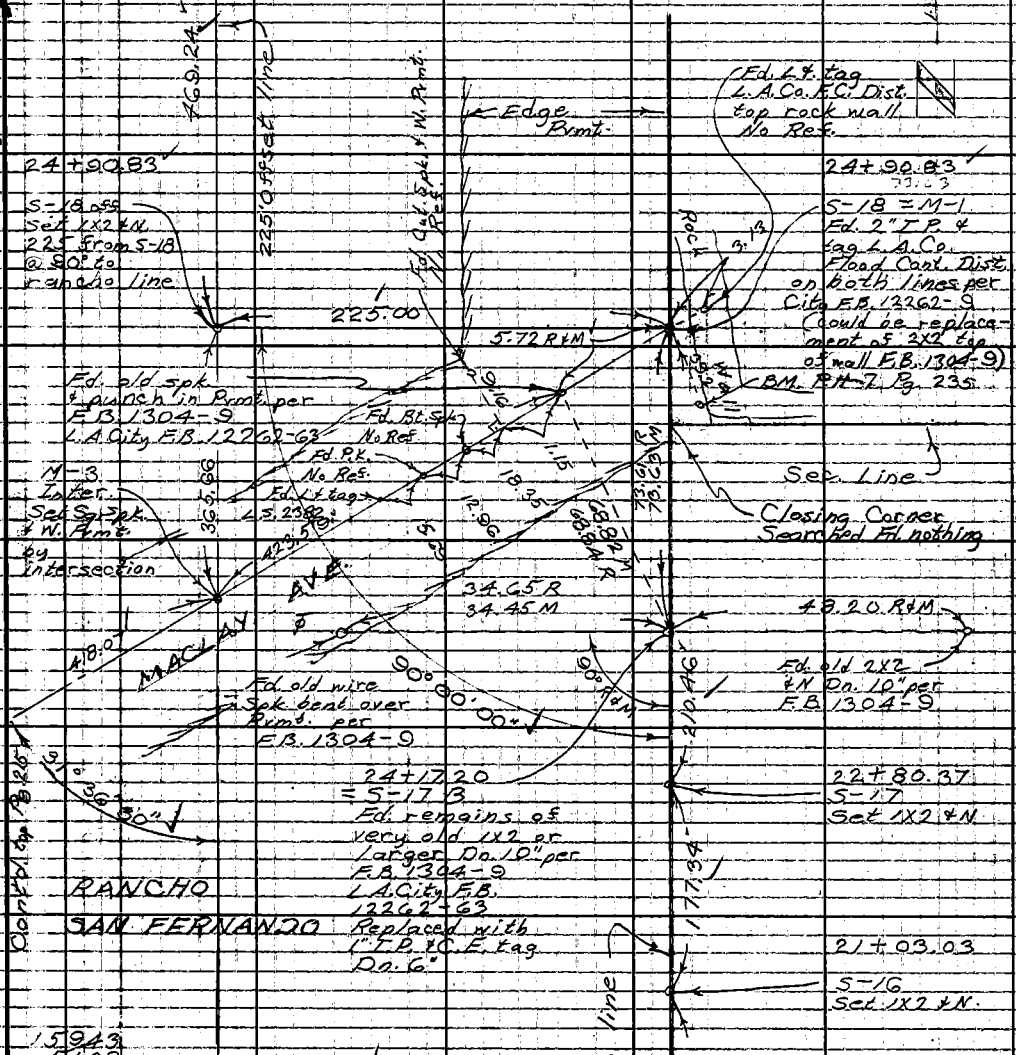
2.5.2382

19.50
1.15
15.35

Notes Ck'd by:	Survey of Section Lines	F.B. 2967 Pg. 173
Map No.	JN 0302.01 Tape 65 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes CVC Date 24 Jan. 64	Sec 25
Date	Indexed C. J. GALLI	

Note: Some chaining scketched on this Pg is shown on Pg. 215

Contd. Bot. Pg. 172



15943
51.08
21051 @ Lev. T50° = 21046

17738 @ Lev. T50° = 177.34

19022 @ Lev. T56° = 190.19
3482 @ Lev. T56° = 3481

225.00

Sec 36

1)	90	00	00
4)	360	00	00
6)	180	00	00
	90	00	00

1)	31	36	30
4)	126	26	00
6)	189	39	00
	31	36	30

Contd top Pg 174

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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RETURN TO LOS ANGELES COUNTY ENGINEER 700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247 7-59

F.B. 2967 PG. 174

Contd. Bot. Pg. 173

18+99.45
Fd. old 2X2 & N.
Dn. 8" per
F.B. 1304-9
L.A. City F.B. 12262-63
Replaced with
1" I.P. & C.E. tag
Dn. 3"

206.98

90° RM

0.02

46.15 R&M

39.54 R&M

Fd. old 2X2
& N. Dn. 12" per
F.B. 1304-9

3.40 M

18+96.05
S-15
Set 1X2 & N.

Fd. old 2X2
& N. Dn. 15" per
F.B. 1304-9

207.11 @ 1°36 = 207.03
T50°-5 = 206.98

213.81

213.88 @ 0°49 = 213.86
T46° = 213.81

16+82.24
S-14
Set 1X2 & N.
top of bank

RANCHO
SAN FERNANDO

Sec. 36

Rancho line

419.00

209.63 @ Lev. T54°-4 = 209.59

209.87 @ 3°33 = 209.47
209.74 @ 2°59 = 209.45
T52°-4 = 209.41
419.00

12+63.24
S-13
Set 1X2 & N.

250.22 @ 8°34 = 247.43
250.18 @ 8°30 = 247.43
T56°-5 = 247.38

208.15 @ Lev. T56° = 208.11
455.49

455.49

225' off set line

Contd. top Pg. 175

RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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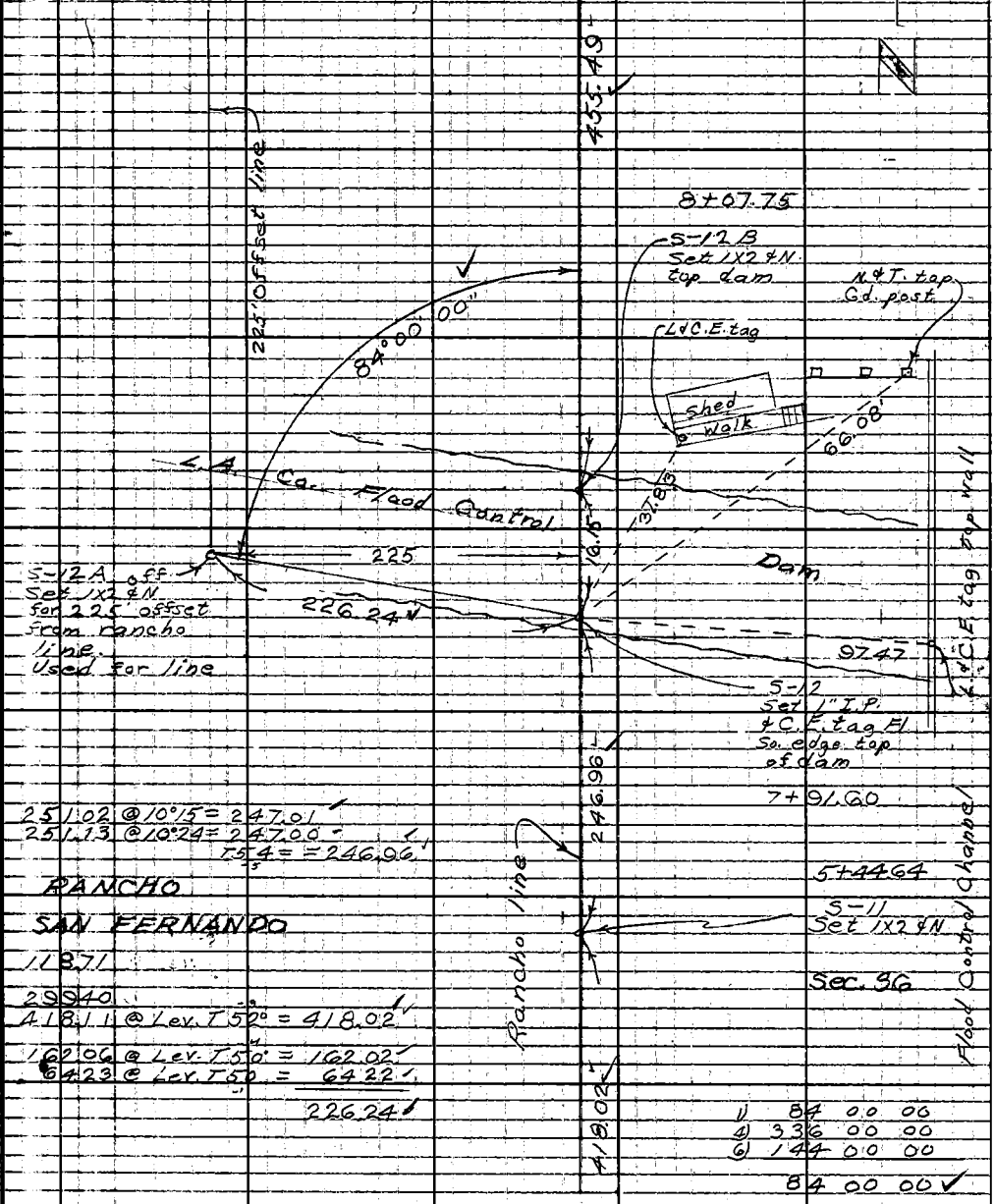
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Section Line
Map No.	JN 0302.01 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 21 Jan 64
Date	Indexed C. J. GALLI

F.B. 2967 Pg. 175

Contd. Bot. Pg. 174



Contd. top Pg. 176

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink, with Date and Name of Person Making Change

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RETURN TO
LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.

769095 CE #247 7-59

F.B. 2967 Pg. 176

296.51 @ 20°18 = 278.09
295.41 @ 19°43 = 278.09
T56°5 = 278.04

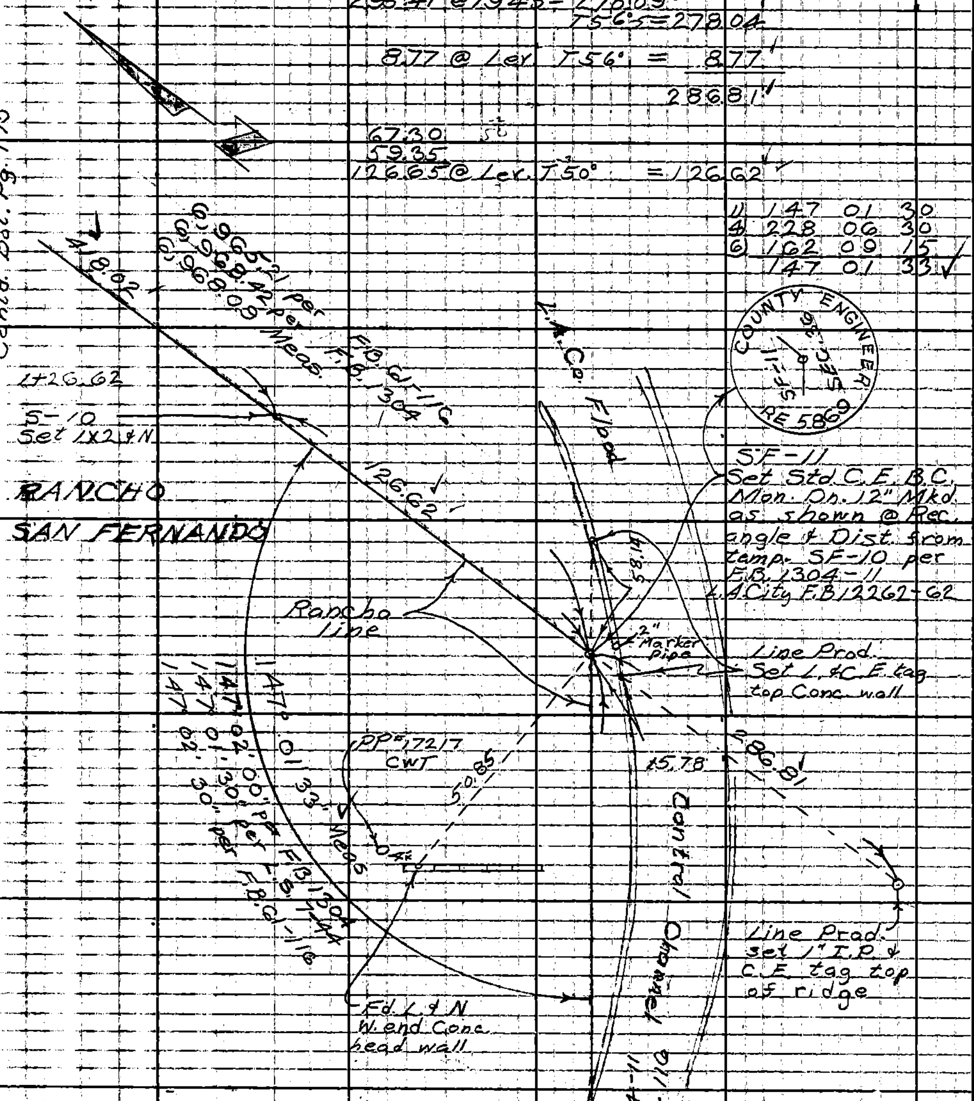
8.77 @ Lev. T56° = 8.77

286.81

67.30
59.35
126.65 @ Lev. T50° = 126.62

Sec. 36

1)	147	01	30
4)	228	06	30
6)	162	09	15
	147	01	33



COUNTY ENGINEER SEC 36 RE 5869

228.83 @ 0°45 = 228.81
228.86 @ 1°02 = 228.82
T66°3 = 228.78

148.85 @ Lev = 148.85
149.06 @ 3°03 = 148.85
T66°2 = 148.83

18.94 @ Lev. = 18.94
19.43 @ 12°57 = 18.94
T66° = 18.94

396.55

Contd. Rt. Pg. 178

WS52-22

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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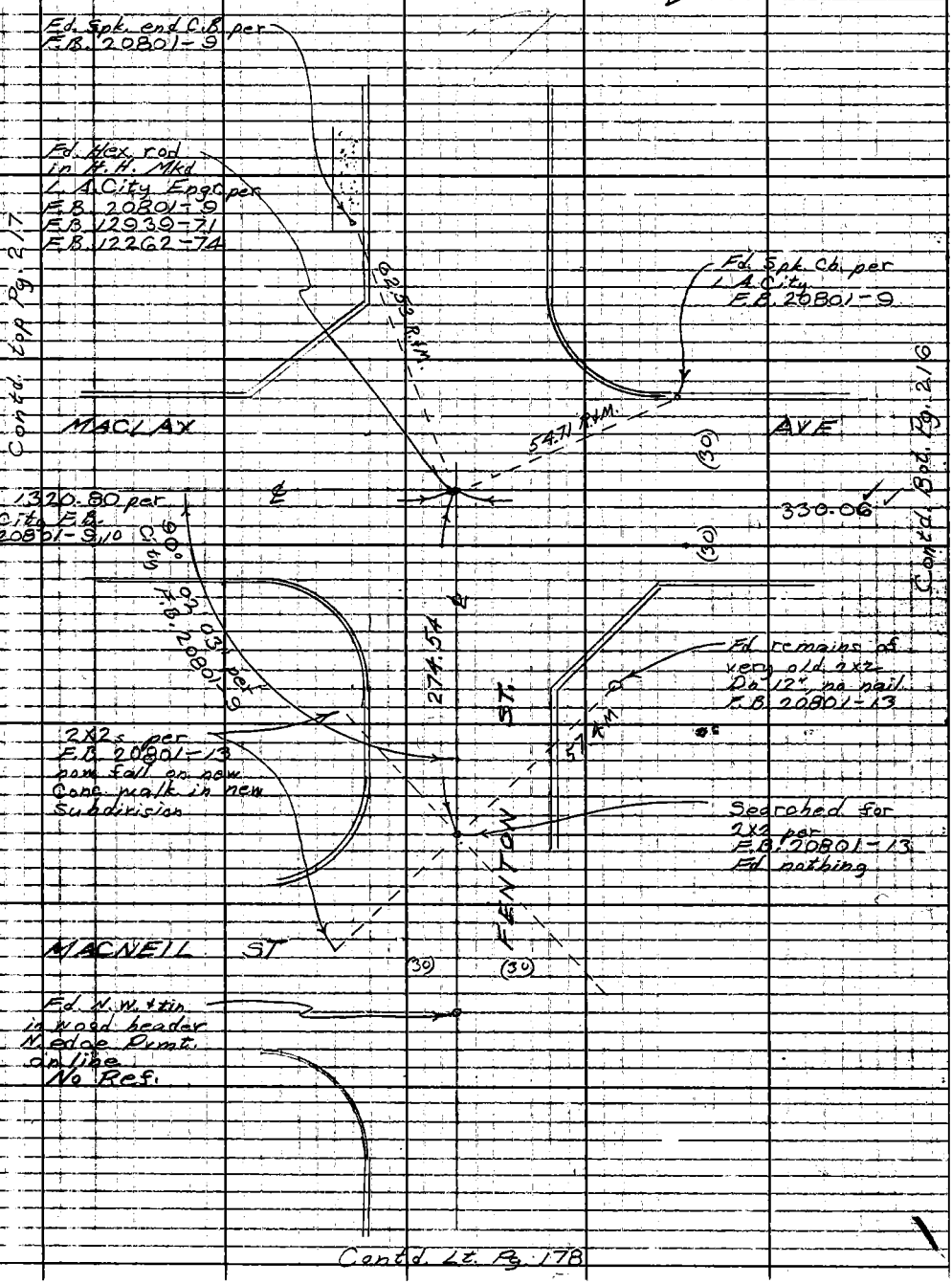
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Section Lines
Map No.	JN 0302.01 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 16 Jan. 64
Date	Indexed C. J. GALLI

F.B. 2967 Pg. 177



Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

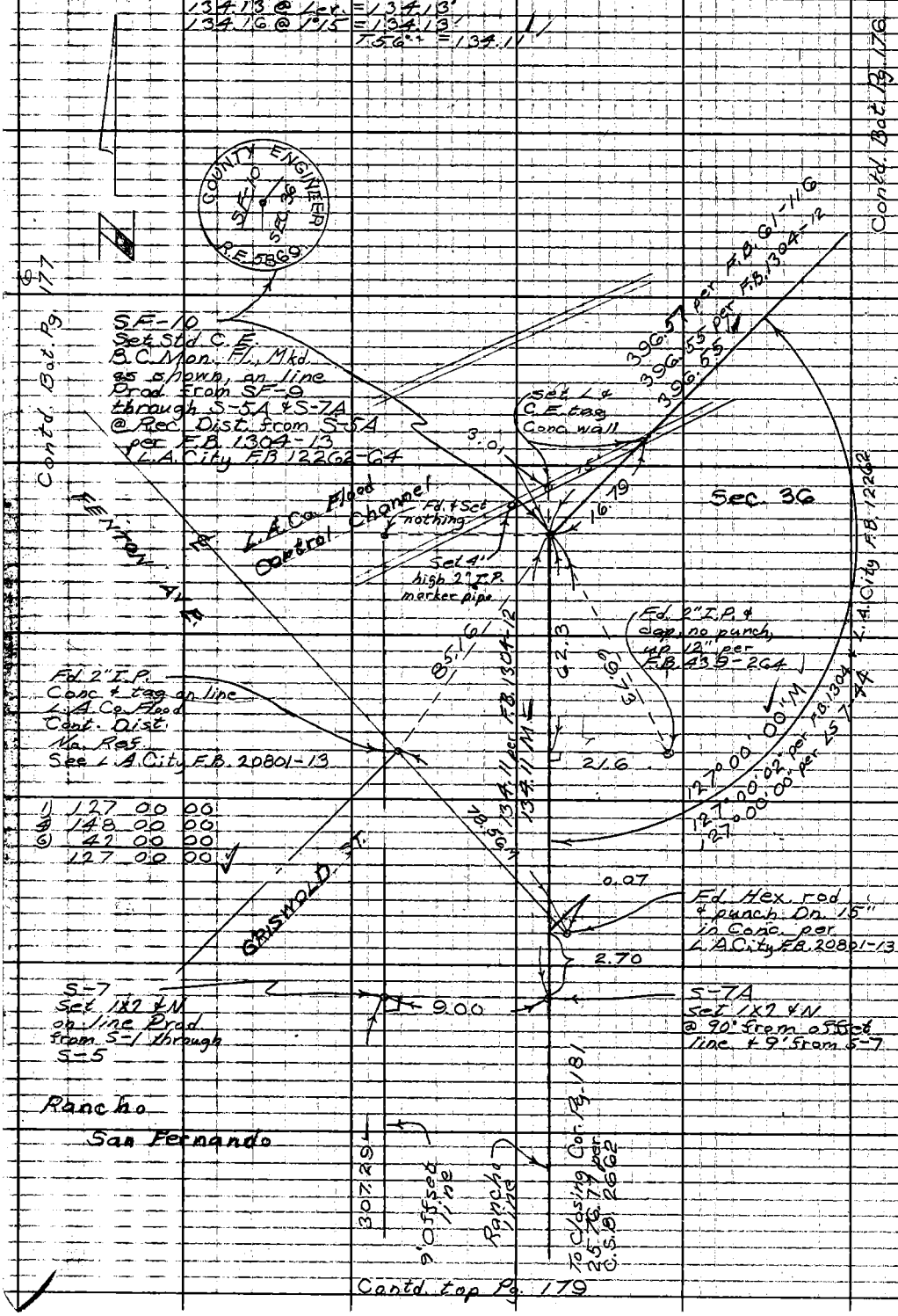
Do not extend notes this side of this line.

RETURN TO LOS ANGELES COUNTY ENGINEER 900 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247 7-59

F.B. 2967 Pg. 178

134.13 @ Lev. = 134.13'
134.16 @ 1°15 = 134.13'
T.56°+ = 134.11'



RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Section Lines
Map No.	JN 0302.01 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CYC Date 16 Jan. 64
Date	Indexed C. J. GALM

F. B. 2967 Pg. 179

Contd. Bot. Pg. 178

173.39 @ Lev. = 173.39
173.40 @ 0°39 = 173.39
T 68°-2 = 173.37

133.94 @ Lev. = 133.94
134.12 @ 2°50 = 133.96
T 66°-2 = 133.92
307.29

307.29

9'

Rancho San Fernando

Sec. 36

Fd. remains of very old Rdwd. 2x2 Dn 18" per F.B. 1304-13

Fd. L & T. rock wall, up 8" per F.B. 1304-13 L.A. City F.B. 12262-65

54.66 Rec.
54.7 M

12.82 RM
0.10 M
5.80 M
5.88 R

Wall

Fd. very old 2x2 & nail Dn. 11" per F.B. 1304-13 L.A. City F.B. 12262-65

56.23 M & Rec.

9.00

Fd. remains of old 2x2 Dn. 18"

8.69 R&M

Rock

S-5 Set 1" I.P. & C.E. tag Dn 4" on line through L & T. nail, and 2x2 & nail. Used for offset line

15.8 M
15.79 Rec.

S-5A Set 1x2 & Nby ties per F.B. 1304-13 L.A. City F.B. 12262-65 Used for rancho line

Fd. remains of very old 2x2 Dn. 18" per F.B. 1304-13

9' Offset line

Rancho line

574.84 Rec.
574.78 M

109.38
132.47
148.16
184.84

574.85 @ Lev. T 66°-7 = 574.78

Contd. top Pg. 180

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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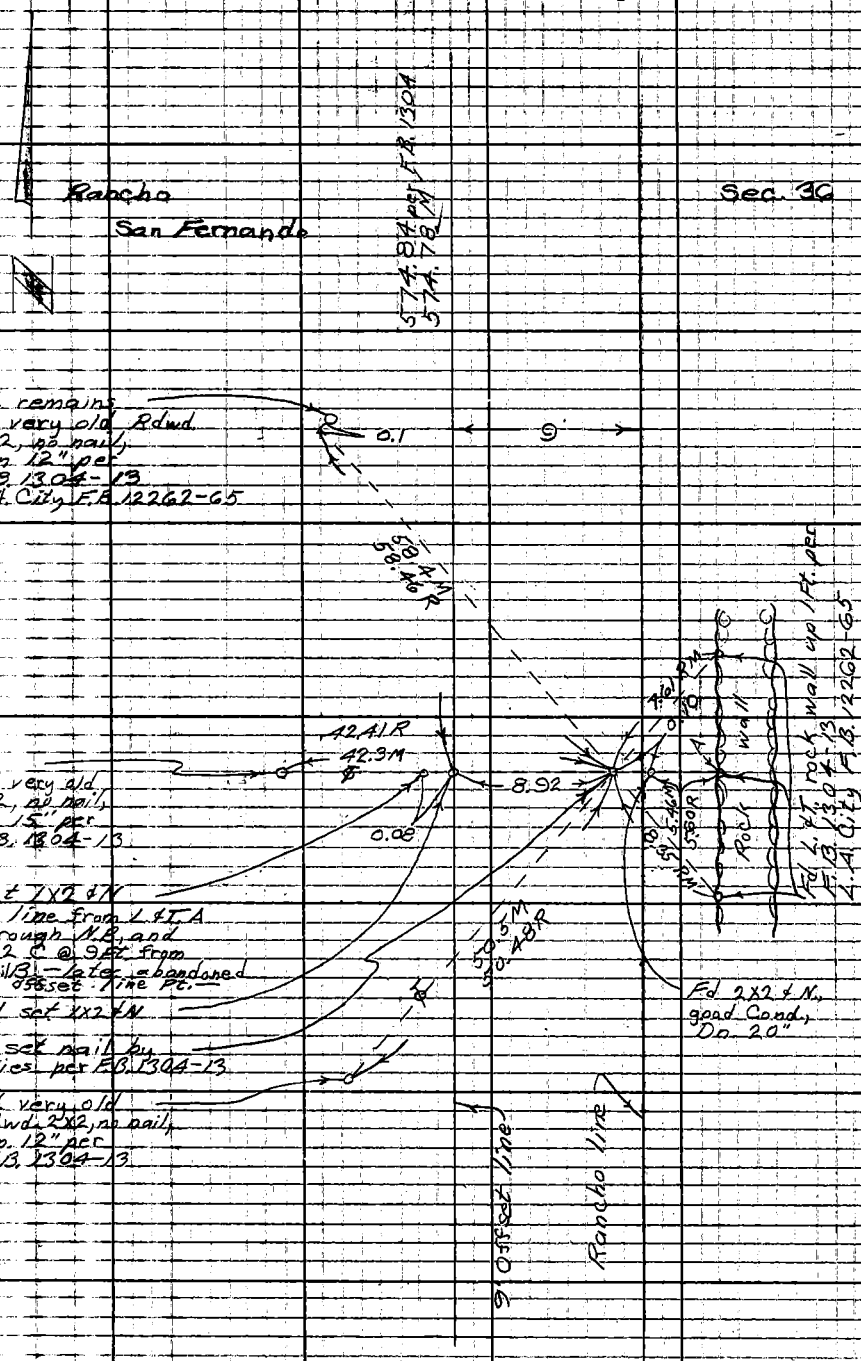
RETURN TO LOS ANGELES COUNTY ENGINEER 900 LOS ANGELES COUNTY ENGINEERING BLDG.

76309S CE #247 7-59

F.B. 2967 Pg. 180

Contd. Bot. Pg. 179



Contd top Pg 181

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Section Lines	F.B. 2967 Pg. 181
Map No.	IN 0302.01 Tape 65 Std 84 of	
Office Work	Surveyed by Crowe	
Checked	Notes CVC Date 15 Jan 64	
Date	Indexed C. J. GALLI	

W.S. 53, C-2

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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RETURN TO
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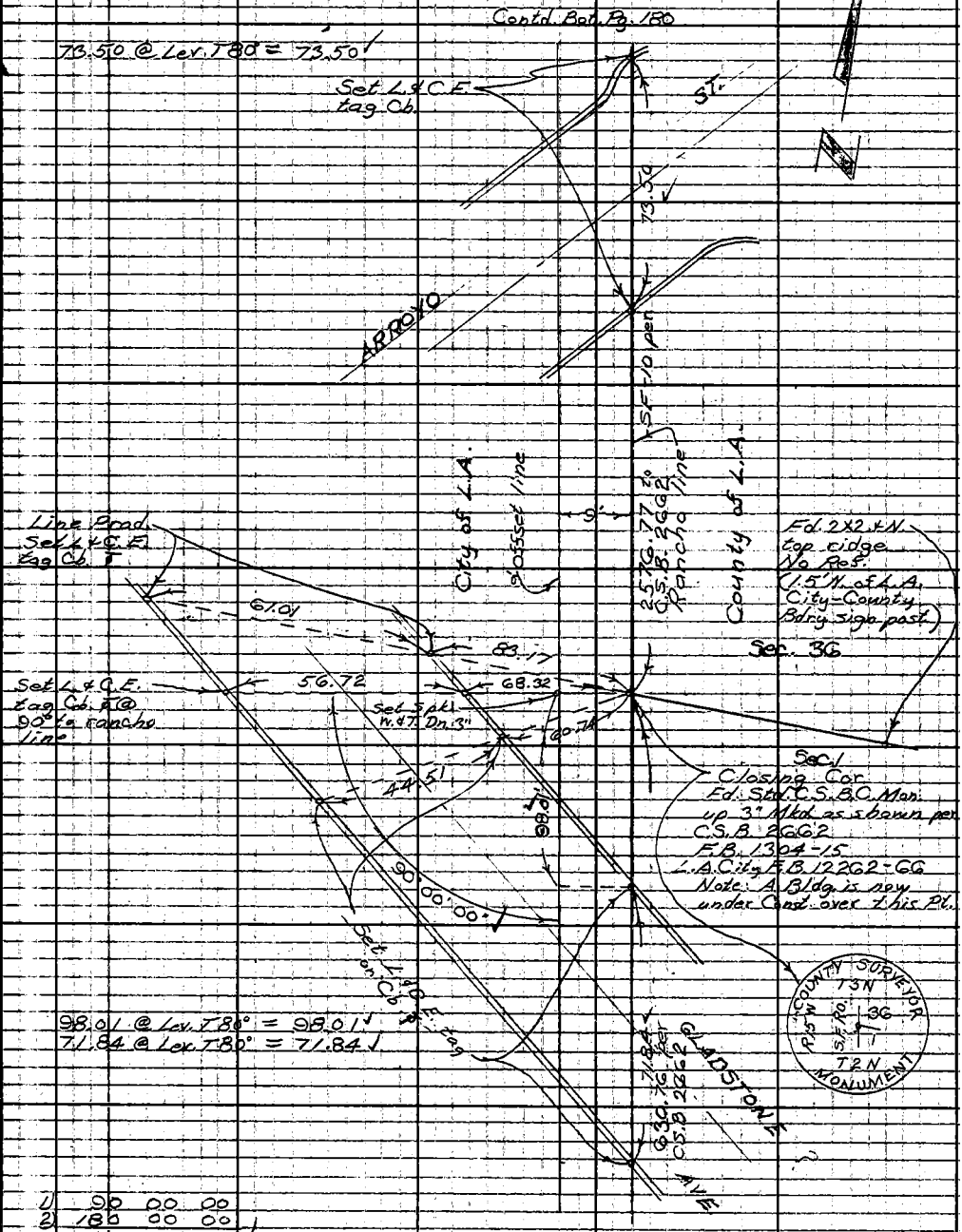


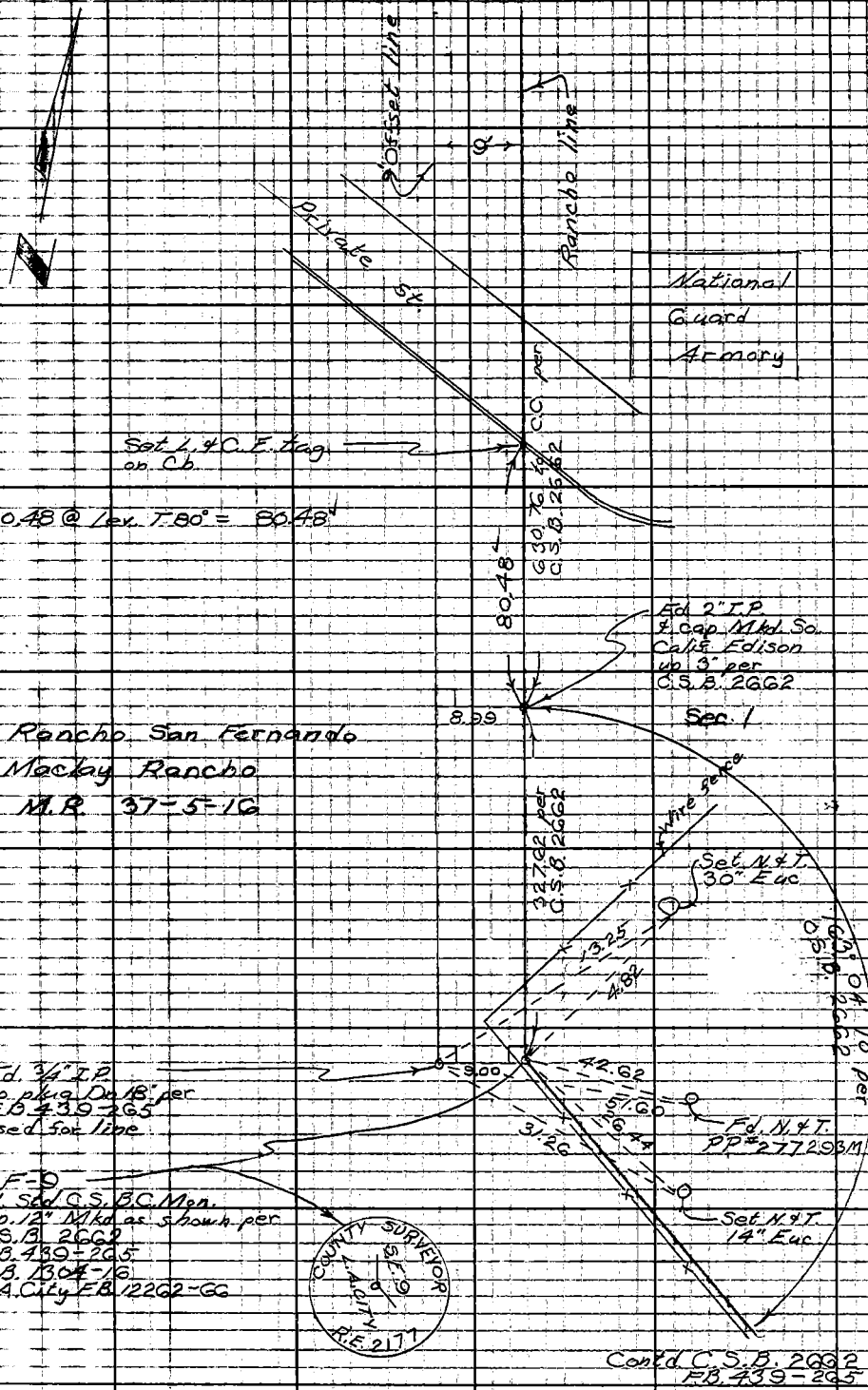
1) 90 00 00
2) 180 00 00
90 00 00

Contd. top Pg. 182

76309S CE #247 7-58

F.B. 2967 Pg. 182

Contd. Bot. Pg. 181



Contd. C.S.B. 2662 F.B. 439-265

RETURN TO LOS ANGELES COUNTY ENGINEER 900 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line

Note: Any Additions or Changes on This Sheet Must Be Made or Circled In Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Section Line
Map No.	IN 0802.0 Tape 65 Std. 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 4 Feb. 64
Date	Indexed C. J. GALLI

F.B. 2967 Pg. 183

Contd. Bot. Pg. 184

Sec. 24 | Sec. 25

236.25

13+53.17
T-19
Set 1x2 & N

182.39 @ Lev. = 182.39
182.45 @ 1°23 = 182.40
T 70° = 182.37

182.37

11+70.80
T-20
Set 1x2 & N

154.73 @ 3°14 = 154.48
154.87 @ 4°00 = 154.49
T 70° = 154.47

154.47

T line

10+16.33
T-21
Set 1x2 & N
top of bank

108.04 @ Lev. = 108.04
108.15 @ 2°39 = 108.03
T 70° = 108.02

108.02

8.15

Contd. Lt. Pg. 161

Note: Any Additions or Changes on This Sheet Must Be Made on Circled in Red Ink With Date and Name of Person Making Change

Do not extend inches this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247 7-58

F.B. 2967 Pg. 184

Contd. Bot. Pg. 185

Sec. 24

Sec. 25

240.96 @ 3°02 = 240.63
241.05 @ 3°25 = 240.62
T 68°-3 = 240.59

265.40 @ 3°12 = 264.99
265.37 @ 2°58 = 265.01
T 68°-3 = 264.96

248.95 @ 3°21 = 248.52
T 76°-1 = 248.51
0.49 @ Lev. T 76° = 0.49
249.00

249.51 @ 3°33 = 249.03
249.41 @ 3°15 = 249.01
T 70°-2 = ~~249.99~~ 248.99

281.19 @ 5°40' = 279.81
281.24 @ 5°49 = 279.79
T 68° = 279.78

236.30 @ 0°31 = 236.29
236.27 @ Lev = 236.27
T 70°-2 = 236.25

89.82 @ Lev. T 60° = 89.81
73.60 @ Lev. T 60° = 73.59
163.40
48.51 @ Lev. T 60° = 48.50
163.43 @ Lev. T 60°-3 = 163.40

240.59

21+34.16
T-16
Set 1x2 & N

264.96

18+69.20
T-17
Set 1x2 & N

279.78

T line

15+89.42
T-18
Set 1x2 & N
on line between
Sec. Cor. and
1/4 Cor. Used
for line.

236.25

Contd. top Pg. 183

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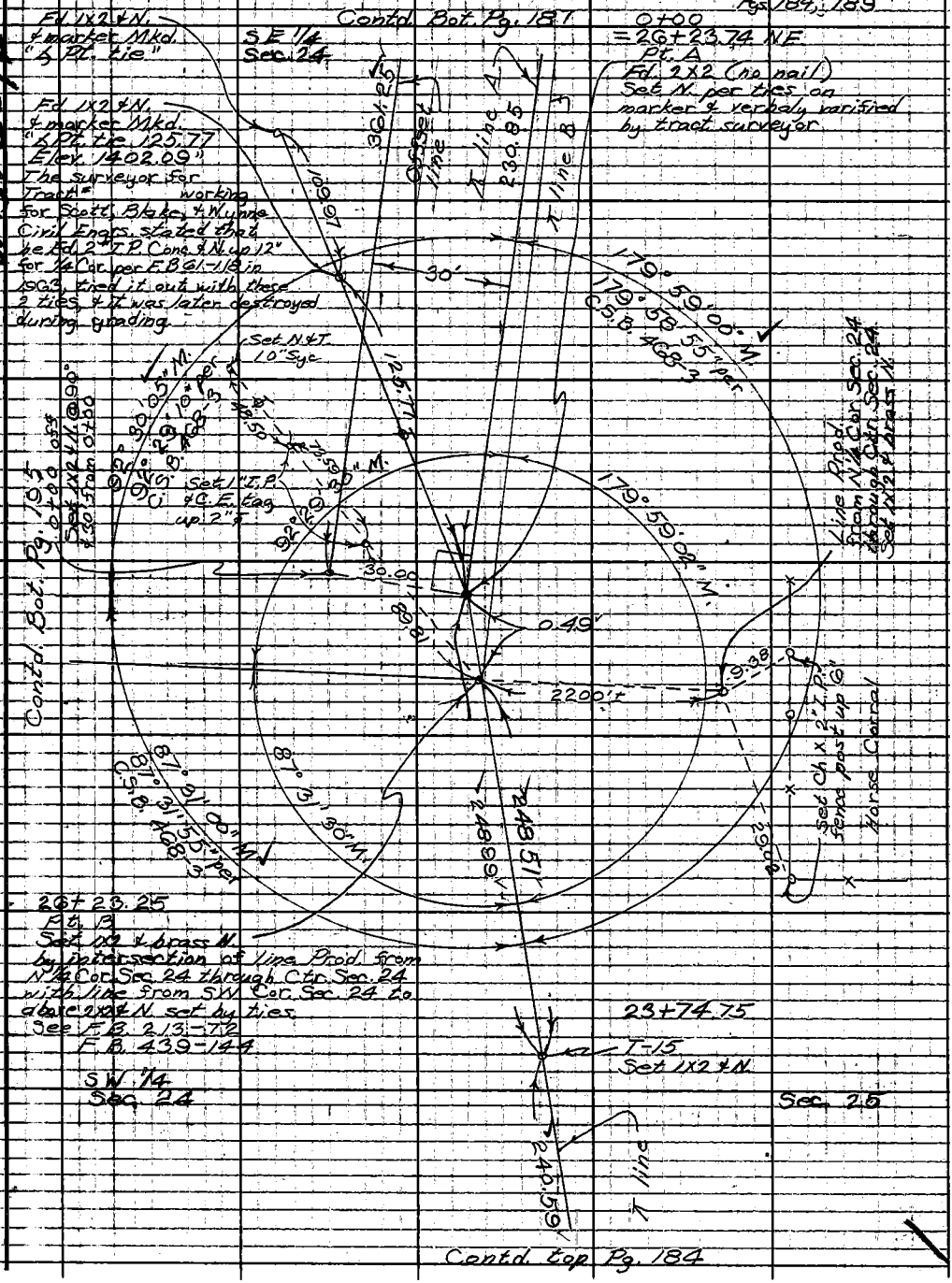
Notes Ck'd by	Survey of Section Lines
Map No.	JN 0302.01 Tape 145 Std 84 °F
Office Work	Surveyed by Crane
Checked	Notes CVC Date Feb. 64
Date	Indexed J. Ga...

F. B. 2967 Pg. 185

Note: For chaining & ∠s, see Pgs. 184, 189



W.S. 62, D-5

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763098 CE #247 7-59

F.B. 2967 PG. 186

ANALYSIS OF FIELD WORK RE POSITION OF
1/4 COR., S. LINE SEC. 24, T. 3N, R. 15W

On arrival at this job, I found that the S 1/4 Cor. of Sec 24 is in a new subdivision in which grading operations are in progress. The immediate vicinity of the 1/4 Cor. is on a new fill which is about 10' deep. The tract surveyor, who was still on the project, stated that he had found a 2" I.P., Conc. & nail as called for in F.B. 61 or F.B. 439 and accepted it as the 1/4 Cor. for an angle Pt. in the tract bdry. He also stated that he tied it out with a pair of tangent ties, and pointed them out on the ground. He verified the distance marked on the guard stake for the nearest tie as being correct, (125.77'). However, he had no record of the chaining.

In the course of recovering the "Rancho Line" for use as control for the assigned job, I used this 1/4 Cor. "A" (Pg. 185) to search for the closing corner. On finding no C.C., I set it by intersection and proceeded to check the distances from it in all 4 directions.

SUMMARY 1. 1/4 Cor. "A" appeared to be good for line, east and west, as indicated by the angle measured at the S.W. Cor. Sec. 24 Pg. 199.

2. The measured distance (double chained) from the S.W. Cor. Sec. 24 to 1/4 Cor. "A" indicates that 1/4 Cor. "A" is more than 1 ft. too far east.

3. The measured distance (double chained) from 1/4 Cor. "A" to the S.E. Cor. Sec. 24 indicates that 1/4 Cor. "A" is 2 Ft. too far east.

4. An angle was measured at the N.E. Cor. Sec. 25 from the E. 1/4 Cor. Sec. 25 to 1/4 Cor. "A". However, there is no record angle available to compare this with.

5. A line was produced from the N 1/4 Cor. Sec. 24 through the center of Sec. 24 to an intersection with the S. line Sec. 24. This intersection indicates that 1/4 Cor. "A" is 0.49' too far east.

6. The measured angles at the S 1/4 Cor., when compared with record, indicate that 1/4 Cor. "A" is located about 1 ft. too far east.

Charles K. Cox

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Notes Ck'd by	Survey of Section Line
Map No.	IN 0302.01 Tape 145 Std 84 °F
Office Work	Surveyed by Crane
Checked	Notes CVC Date 6 March 64
Date	Indexed C. J. GALLI

F. B. 2967 PG. 187

Contd Bot. Pg 188

300.74 @ 6°57 = 298.53
300.82 @ 7°04 = 298.53
T 70° = 298.50
-3

298.50

4+54.89

T-13 off
Set 1X2 & N
top of bank

T line B

93.67 @ 0°56 = 93.66
93.71 @ 2°06 = 93.65
T 62° = 93.64
-1

93.64

30 Offset line

T line A

Sec. 24

1)	179	59	00
4)	359	56	00
6)	359	54	00
	179	59	00 ✓
1)	87	31	15
4)	350	04	00
6)	165	06	00
	87	31	00 ✓
1)	92	30	30
4)	10	00	30
6)	195	00	30
	92	30	05 ✓

3+61.25

T-14 off
Set 1X2 & N

Sec. 25

1)	179	59	00
4)	359	56	00
6)	359	54	15
	179	59	02 ✓
1)	87	31	30
4)	350	06	00
6)	165	09	00
	87	31	30 ✓
1)	92	29	30
4)	09	58	00
6)	194	57	00
	92	29	30 ✓

Fd. old
1¼" I.P. & wood
plug up 5"
No Ref.

230.97 @ 1°47 = 230.86
T 76° = 230.85
-3

0.17

145.49 @ 1°27 = 145.44
145.54 @ 1°54 = 145.46
T 62 = 145.42
-4

216.07 @ 2°27 = 215.87
216.03 @ 2°15 = 215.86
T 60° = 215.83
-3
361.25

361.25

230.85

Contd. top Pg. 185

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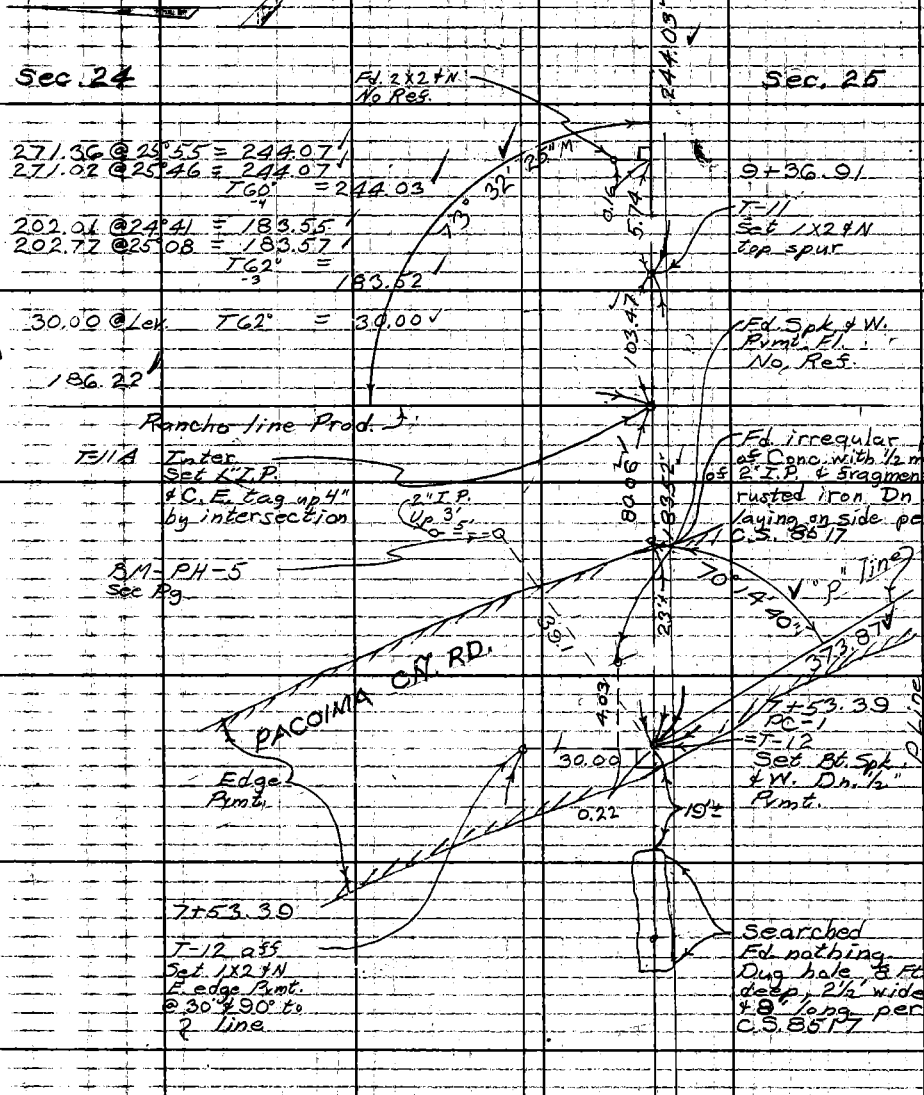
763099 CE #247 7-59

F.B. 2967 Pg. 188

Cont'd. Bot. Pg. 189



Cont'd. top Pg. 187

Cont'd. top Pg. 207

Cont'd. top Pg. 167

Cont'd. Bot. Pg. 168

WS62 Q-5
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Notes Ck'd by		Survey of Section Lines	F.B. 2967 Pg. 189
Map No.		JN 0302.01 Tape 145 Std 84 °F	
Office Work		Surveyed by Crowe	
Checked		Notes CYC Date 5 March 64	
Date		Indexed C. J. GALLI	

Contd. Bot. Pg. 190

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RETURN TO LOS ANGELES COUNTY ENGINEER 00 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247 7-59

76.00

Sec. 24

Sec. 25

12+58.84

T-8
Set 1x2 & N.
N. edge Fire
Brk.

46.45 @ Lev = 46.45
47.00 @ 8°44 = 46.45
T68° = 46.45

46.45

31.47 @ Lev. = 31.47
32.00 @ 10°37 = 31.45
T68° = 31.45

12+12.39

T-9
Set 1" I.P.
& C.E. tag
up 1" in Rock
Md. on N. side
Fire Brk top
of peak on
line between
SE Cor. Sec.
and ?

31.45

T-10 off
Set 1x2 & N
@ 30' & 90° from
? line
Used for line

30.00

11+80.94
T-10
Set 1x2 & N.
S. edge
Fire Brk

31.98 @ 20°15 = 30.00
32.97 @ 24°34 = 29.99
T60° = 30.00

30' Offset line

T line A

244.03

T line B

Contd. top Pg. 188

F.B. 2967 Pg. 190

Contd. Lt. 191

301.00 @ 11°48 = 294.64
300.41 @ 11°15 = 294.64
T 52° = 294.58
-6

194.82 @ 7°02 = 193.35
195.10 @ 7°28 = 193.35
T 60° = 193.32
-3

237.33 @ 6°48 = 235.66
237.40 @ 6°55 = 235.67
T 62° = 235.63
-3

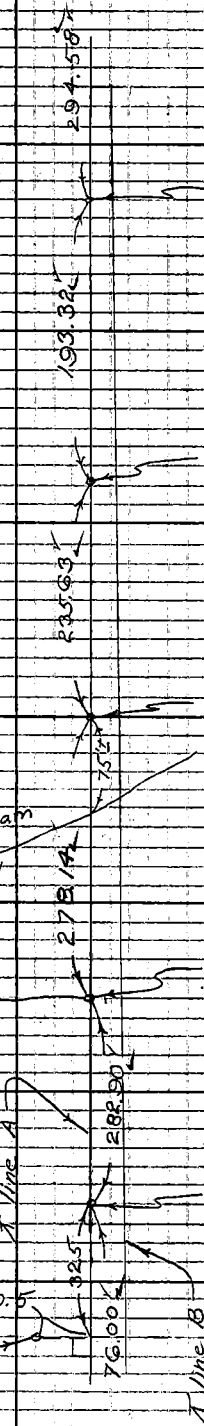
Sec. 24

280.00 @ 6°30 = 278.20
280.12 @ 6°45 = 278.18
T 64° = 278.14
-4

283.70 @ 4°12 = 282.94
283.89 @ 4°39 = 282.96
T 64° = 282.90
-4

79.67 @ 18°26 = 76.01
80.00 @ 18°09 = 76.02
T 64° = 76.00
-1

Fd. 2" I.P.,
no plug, up 14"
leaning No.
No Ref.



Contd. top Pg 189

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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change

Notes Ck'd by	Survey of Lopez Cñ
Map No.	JN 0095 64 Tape 144 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes Crowe Date Aug. 63
Date	Indexed C. J. GALLI

F. B. 2967 Pg. 191

W.S. 79, A-5

To Witness Cor. CSB 468-3

Sec. 24

Line Prod. Set 1X2 & N. S. edge dirt Rd. (top of berm) Fire Rd.

2241.75

49'±

4X4

Forest Bdy post up 7 Ft.

20.00

COUNTY SURVEYOR MONUMENT T3N R15W R14W 24 19 25 30

26 + 19.42 E Sec. Cor. Fd. 2" I.P. and C.S.B.C. up 6" in rock mound Mkd as shown top of spur per F.B. 439-119, 144 F.B. 61-118 C.S.B. 468-3 C.S. 8273

Sec. 19

No Res.

600'±

600'±

89° 54' 00" M.

Contd. top Pg. 190

T line A

294.58'

20.00 M

5'

4.13

Set 2" I.P. marker up 3 Ft.

T line B

Set nothing

0.43

Fd. 3" I.P. & B.C. Mkd as shown up 16"

191.46

1) 89 54 00
4) 359 36 00
6) 179 24 00
89 54 00 ✓

FOREST RESERVE BOUNDARY POST No. 186 1905

2'±

Gate post

Rd.

POT Set 1" I.P. & C.E. tag up 2" N. edge of dirt Rd.

Set 1x2 & N. N. edge Rd.

Dirt

203.57 @ 22°20 = 188.30'

203.97 @ 22°36 = 188.31'

T 94° = 188.31'

3.15 @ Lev. T 94° = 3.15

191.46

20' Offset Line

Sec. Line

Sec. 25

Sec. 30

Contd. top Pg. 192

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76F309S CE # 310 3.61

F. B. 2967 PG. 192

Contd. Bot. Pg. 191

Sec. 25

20' Offset Line

Sec. Line

Sec. 30

N

up ridge

Set 1X2 F.N.
up 1"

20.00

4X4 white post
up 6 Ft.

POT
Set 1" I.P.
& C.E. tag
up 2" top of ridge

Contd top Pg. 193

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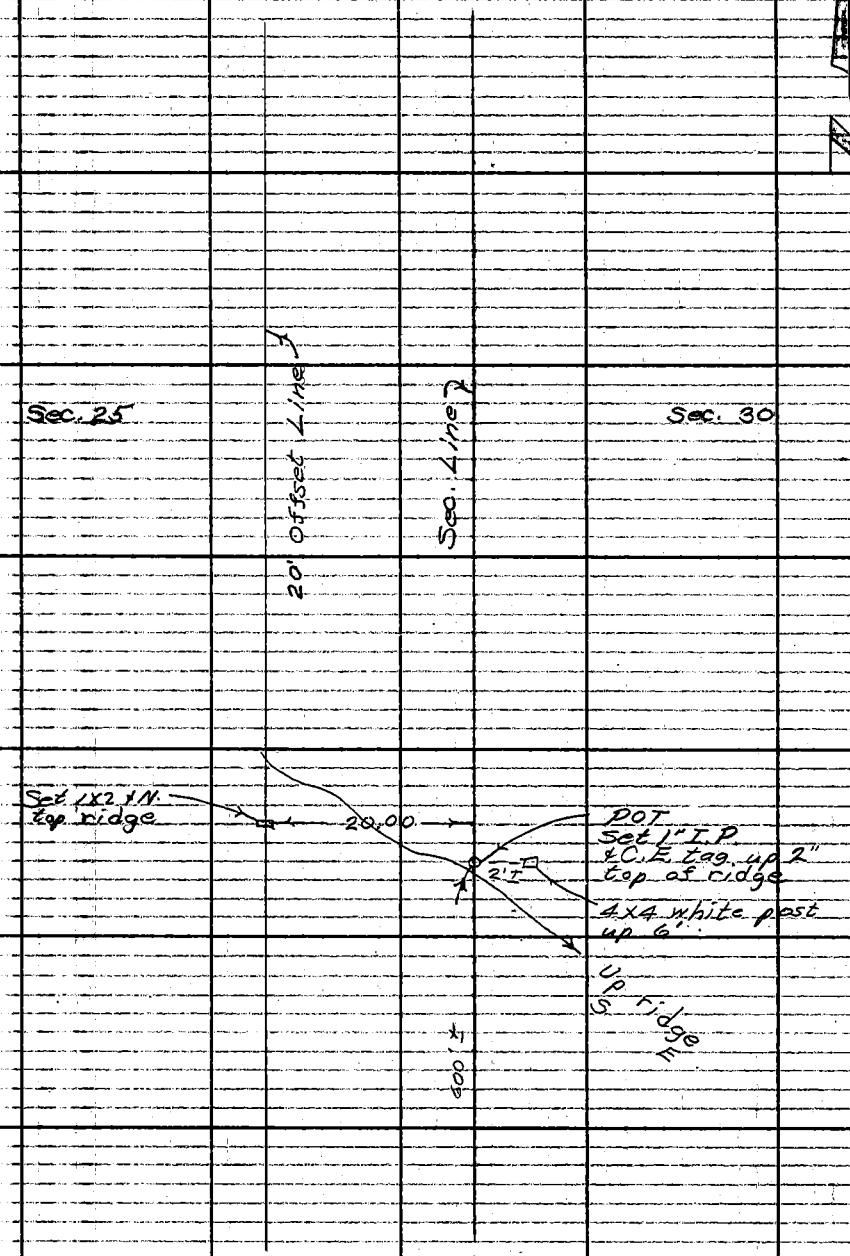
Notes Ck'd by	Survey of Kagel Cr. Rd	F. B. 2967 Pg. 193
Map No.	JN 0095.63 Tape 144 Std 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes Crowe Date 9 Aug. 63	
Date	Indexed E. J. GALLI	

Contd. Bot. Pg. 192



Contd. top Pg. 194

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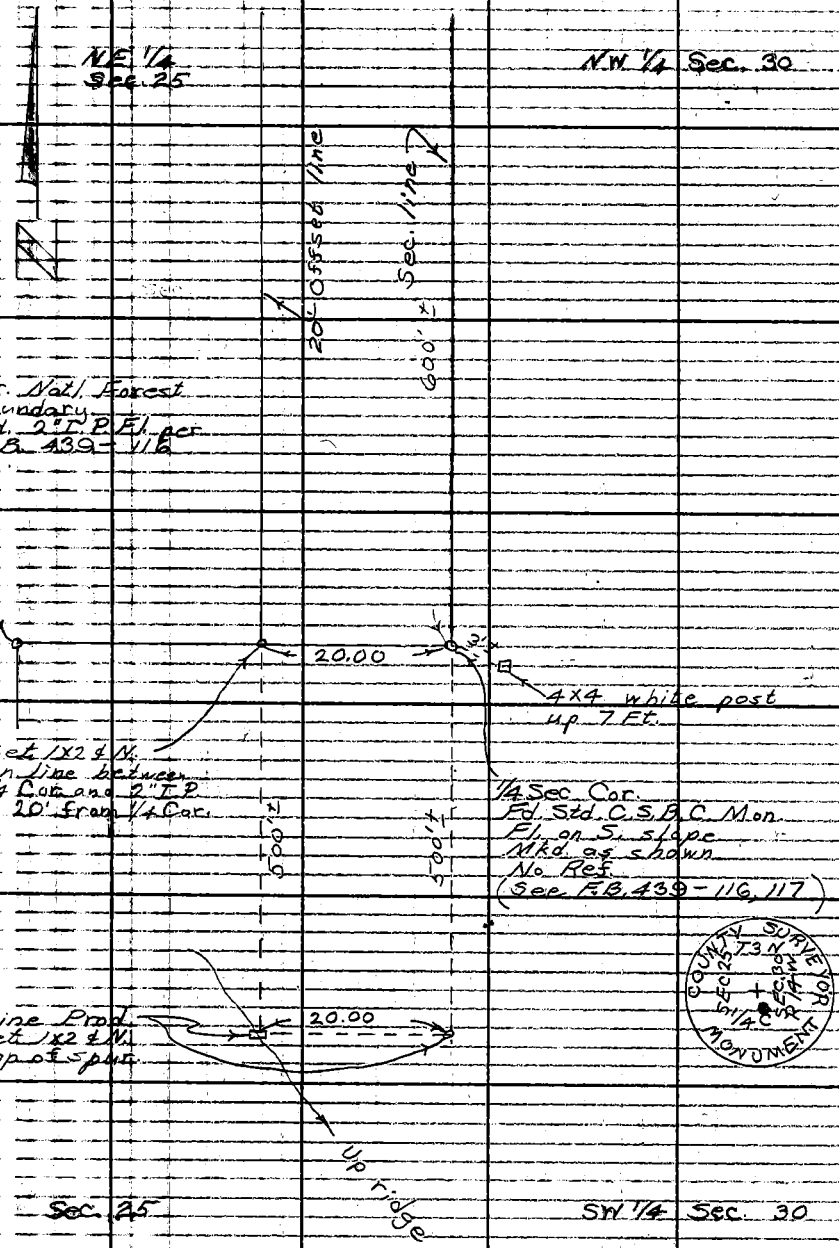
76F3095 CE # 310 3-61

F. B. 2967 Pg. 194 Contd. Bat. Pg. 193



W.S. 53, D-1

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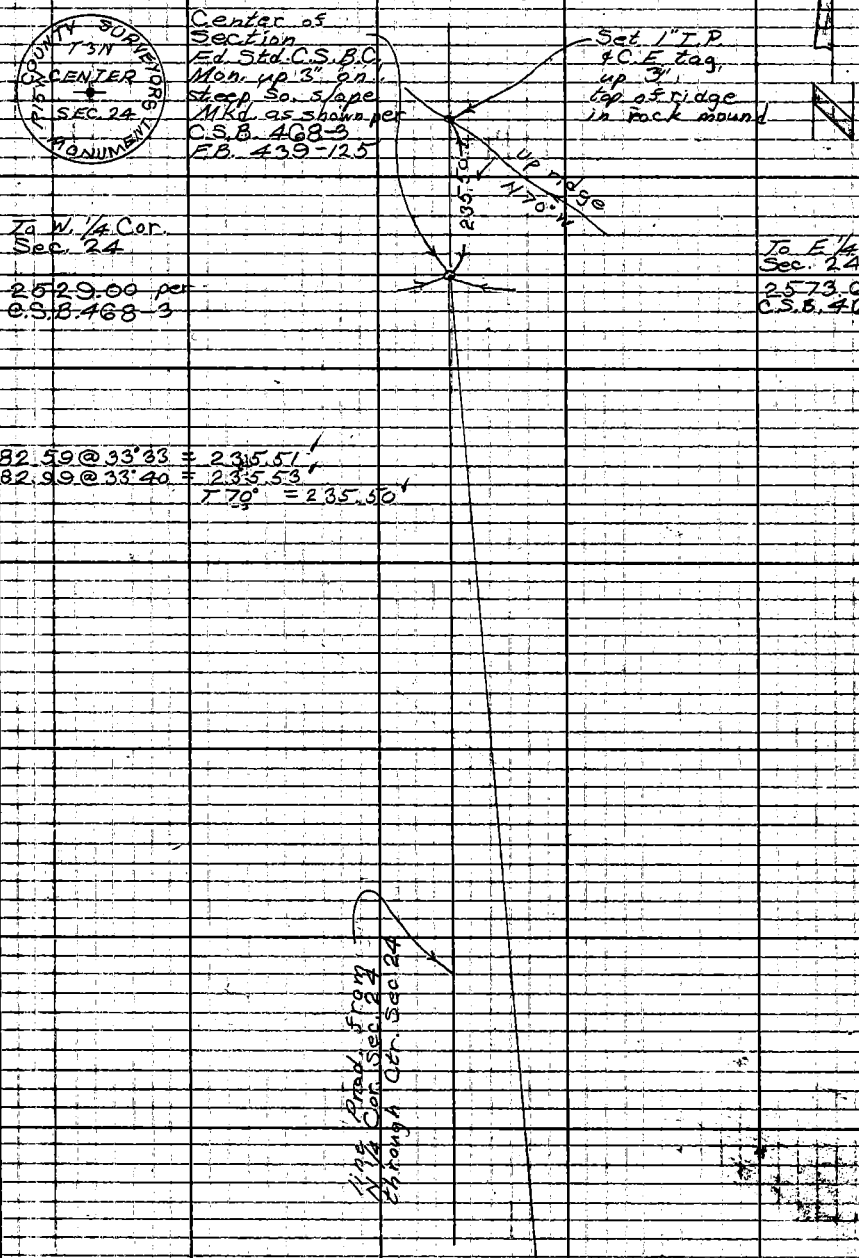
Notes Ck'd by	Survey of Section Lines
Map No.	IN 0302.01 Tape 65 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CYC Date Feb. 64
Date	Indexed C. J. GALLI

F.B. 2967 PG. 195

W.S. 62, D-5

Contd. Bot. Pg 197



Contd. Lt. Pg. 185

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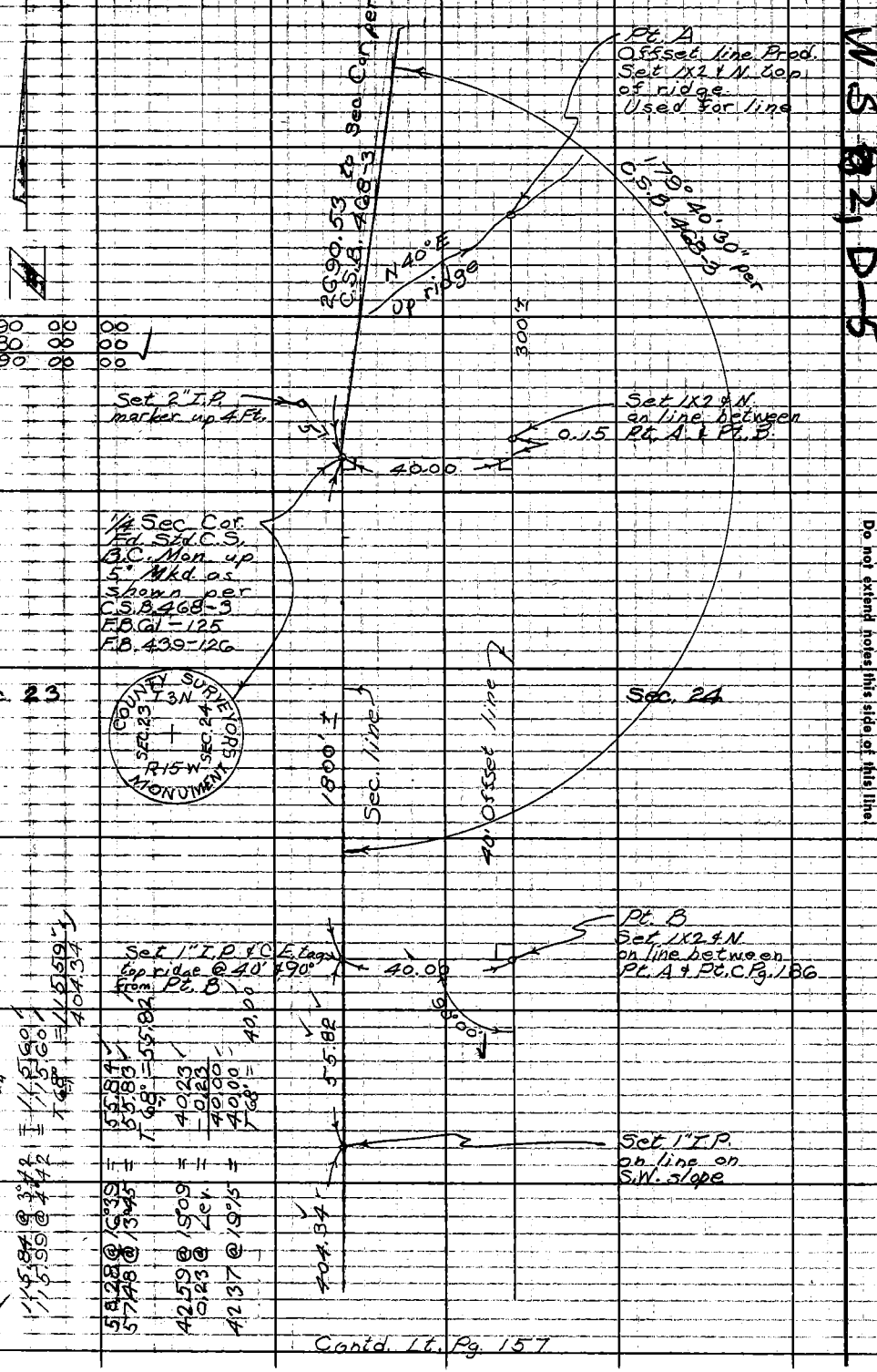
763098 CE #247 7-59

F.B. 2967 PG. 196



1) 90 00 00
2) 180 00 00
90 00 00

300.75 @ 16°12 = 288.81
300.35 @ 15°57 = 288.79
T 66° = 288.75

115.84 @ 3°42 = 115.60
115.99 @ 4°42 = 115.60
T 68° = 115.59
404.34

58.28 @ 16°39 = 55.84
57.48 @ 13°45 = 55.83
T 68° = 55.82

42.59 @ 15°09 = 40.23
0.23 @ Lev. = -0.23
40.00
42.37 @ 19°15 = 40.00
T 68° = 40.00

Contd. Lt. Pg. 157

W S 32, D-5

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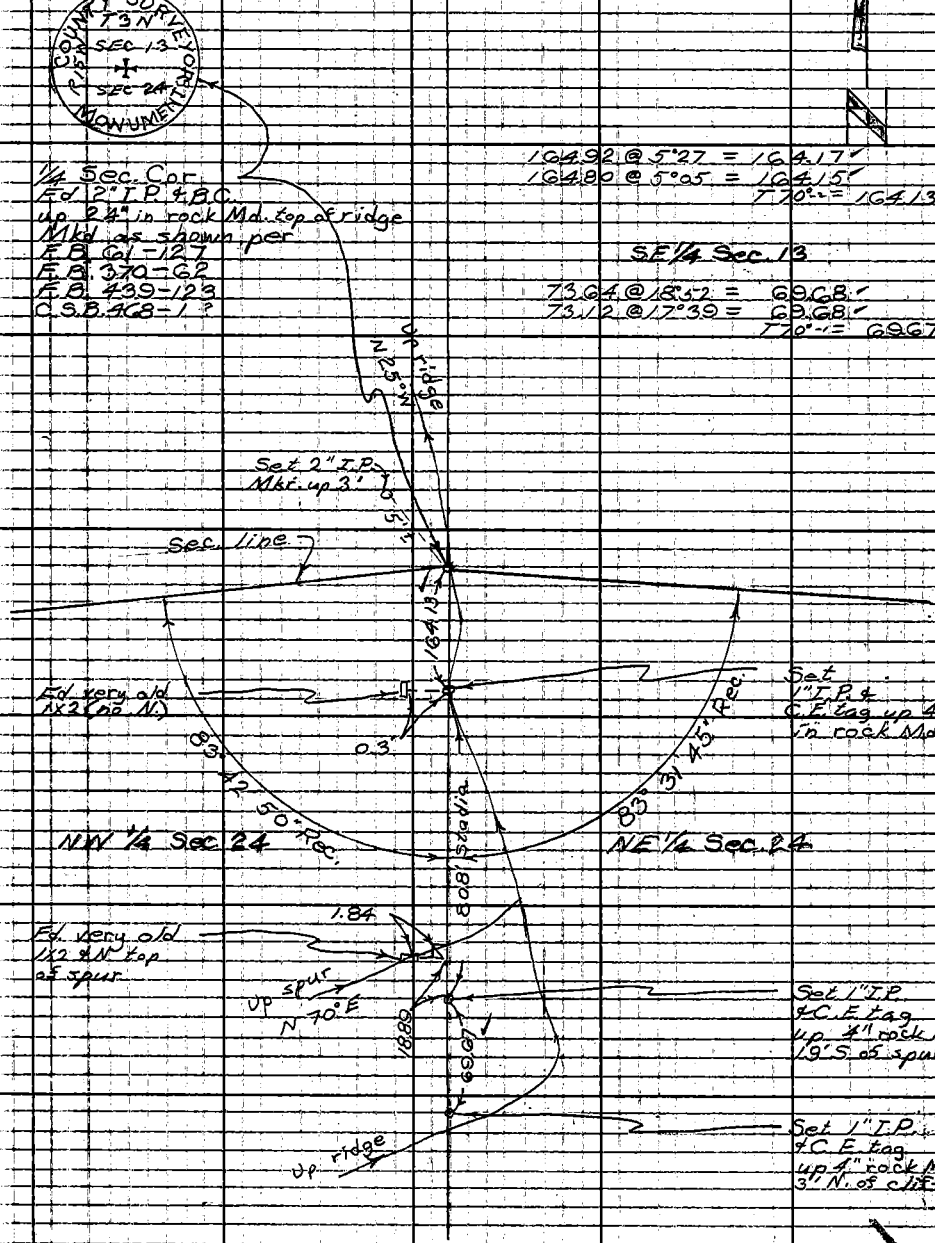
W.562, D-5

Notes Ck'd by	Survey of Section Lines
Map No.	JN 0302.01 Tape 145 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 17 March 64
Date	Indexed E. J. GALLI

F.B. 2967 Pg. 197



Cont'd. top Pg. 195

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763098 CE #247 7-58

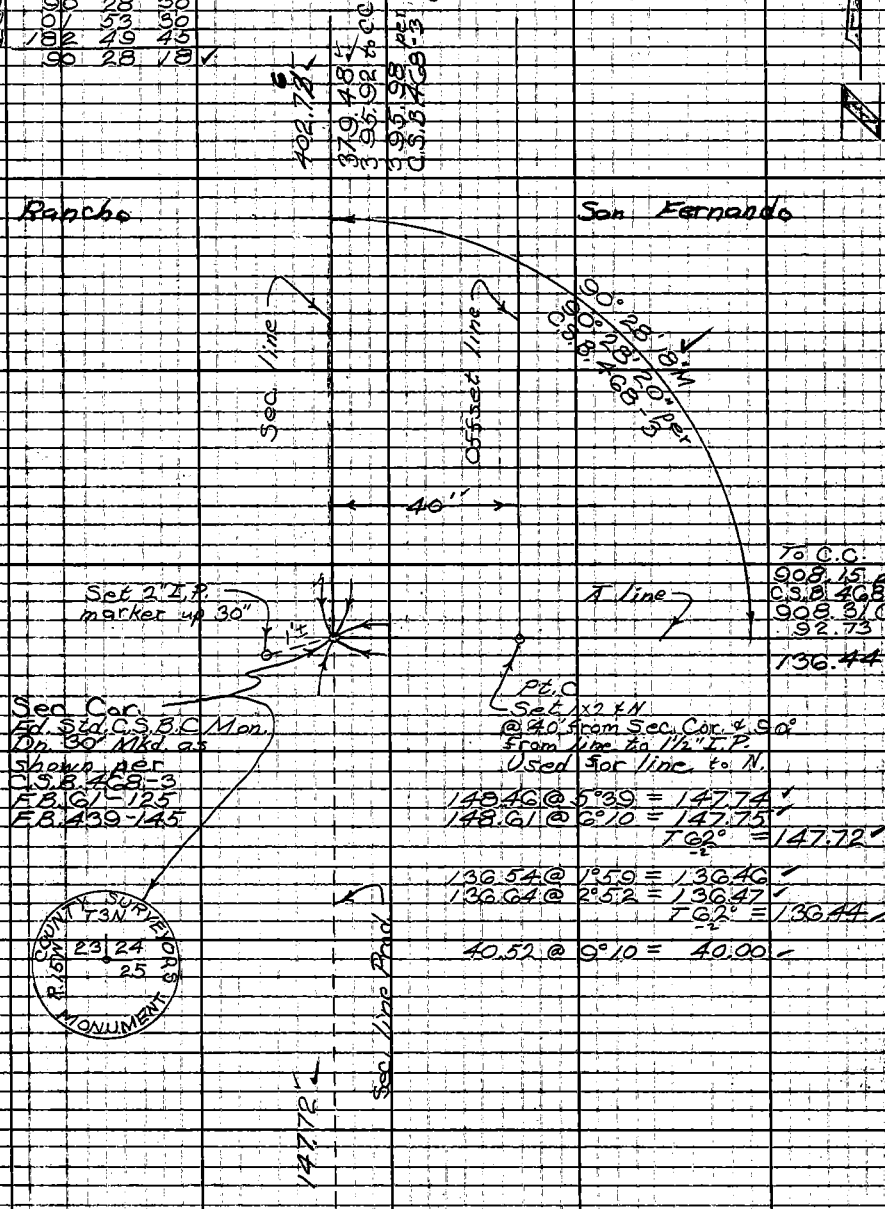
Notes Ck'd by	Survey of Section Lines
Map No.	JN 0302.01 Tape 145 Std. 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date Feb. 64
Date	Indexed E. J. GALLI

F.B. 2967 Pg. 199

W.S. 53, C-1

Contd. Rt. Pg. 157

1	90	28	30
4	01	53	30
6	182	49	45
	90	28	18 ✓



Contd. Rt. Pg. 200

Contd. top Pg. 203

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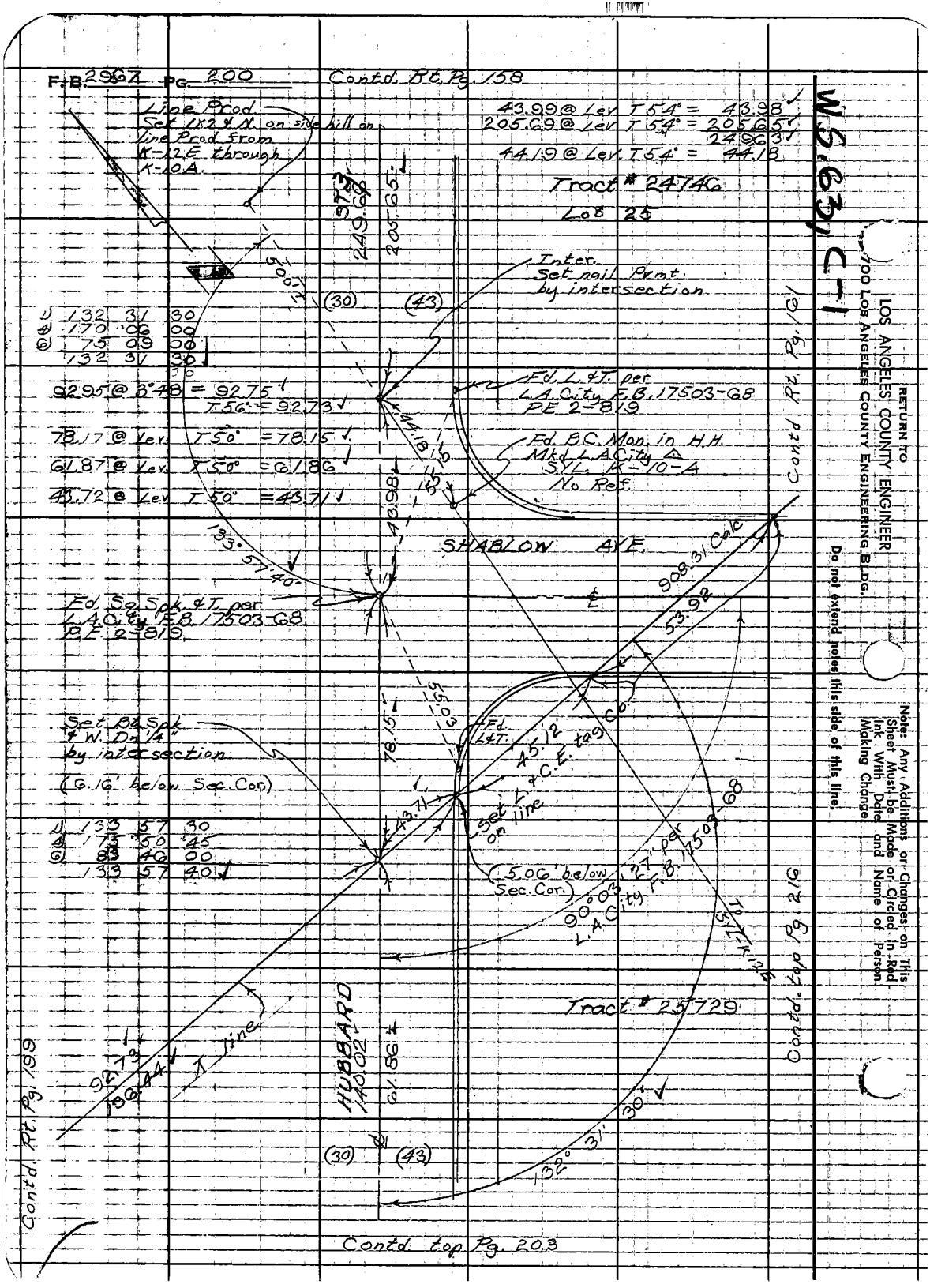
763095 CE #247 7-53


F.B. 2967 Pg. 200
Contd. Rt. Pg. 158
Line Prod.
Set 1x2 & N. on side hill on line Prod. from K-12E through K-10A.
43.99 @ Lev. T 54° = 43.98
205.69 @ Lev. T 54° = 205.65
249.63
44.19 @ Lev. T 54° = 44.18
Tract # 24746
Lot 25
Inter. Set nail Pvmt. by intersection
(30)
(43)
1) 132 31 30
4) 170 06 00
6) 75 09 00
132 31 30
92.95 @ 3°48 = 92.75
T 56° = 92.73
78.17 @ Lev. T 50° = 78.15
61.87 @ Lev. T 50° = 61.86
43.72 @ Lev. T 50° = 43.71
Fd. L.&T. per L.A. City F.B. 17503-68 PE 2-819
Fd. B.C. Mon. in H.H. Mkd. L.A. City △ SYL. K-10-A No Ref.
Contd. Rt. Pg. 161
SHABLOW AVE.
908.31 Calc
53.92
Fd. Sq. Spk. & T. per L.A. City F.B. 17503-68 PE 2-819
Set Bt. Spk. & W. Dn. 1/4" by intersection
(6.16' below Sec. Cor.)
Fd. L&T.
45.12
Set L.&C.E. tag Co. on line
(5.06' below Sec. Cor.)
90°03'27" per L.A. City F.B. 17503-68
To SYL-K-12E
Tract # 25729
HUBBARD
140.02
61.86
92.73
136.44
T line
(30)
(43)
132° 31' 30"
Contd. Rt. Pg. 199
Contd. top Pg. 203
Contd. top Pg. 216
W.S. 631 C-1
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Notes Ck'd by	Survey of Pacoima-Hubbard Loop
Map No.	JN 0095.87 Tape 145 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 23 Feb '64
Date	Indexed E. J. GAIN

F.B. 2967 PG. 201

PACOIMA CN. - HUBBARD ST. LOOP
PRELMINARY LINE

J.N. 0095.87

March to April 1964

Reference	Party
C.S.B. 468-3	Crowe
L.A. City F.B. 17503	Newman
P.E.P.	Spriggs
L.A. City F.B. 12262	Falsey
L.A. City F.B. 20801	Peterson

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

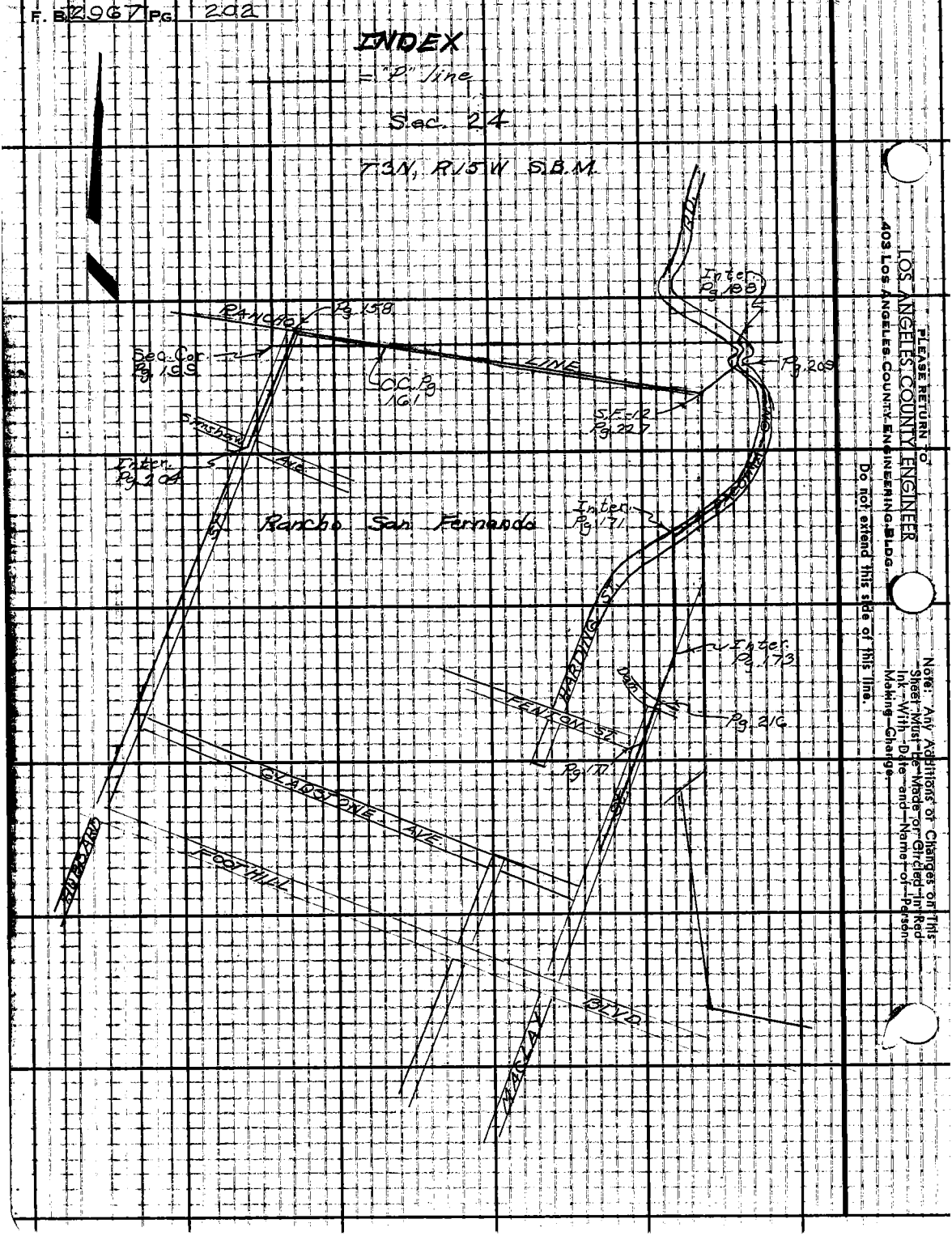
F. B. 2967 Pg. 202

INDEX

= "D" line

Sec. 24

T3N, R15W S.B.M.



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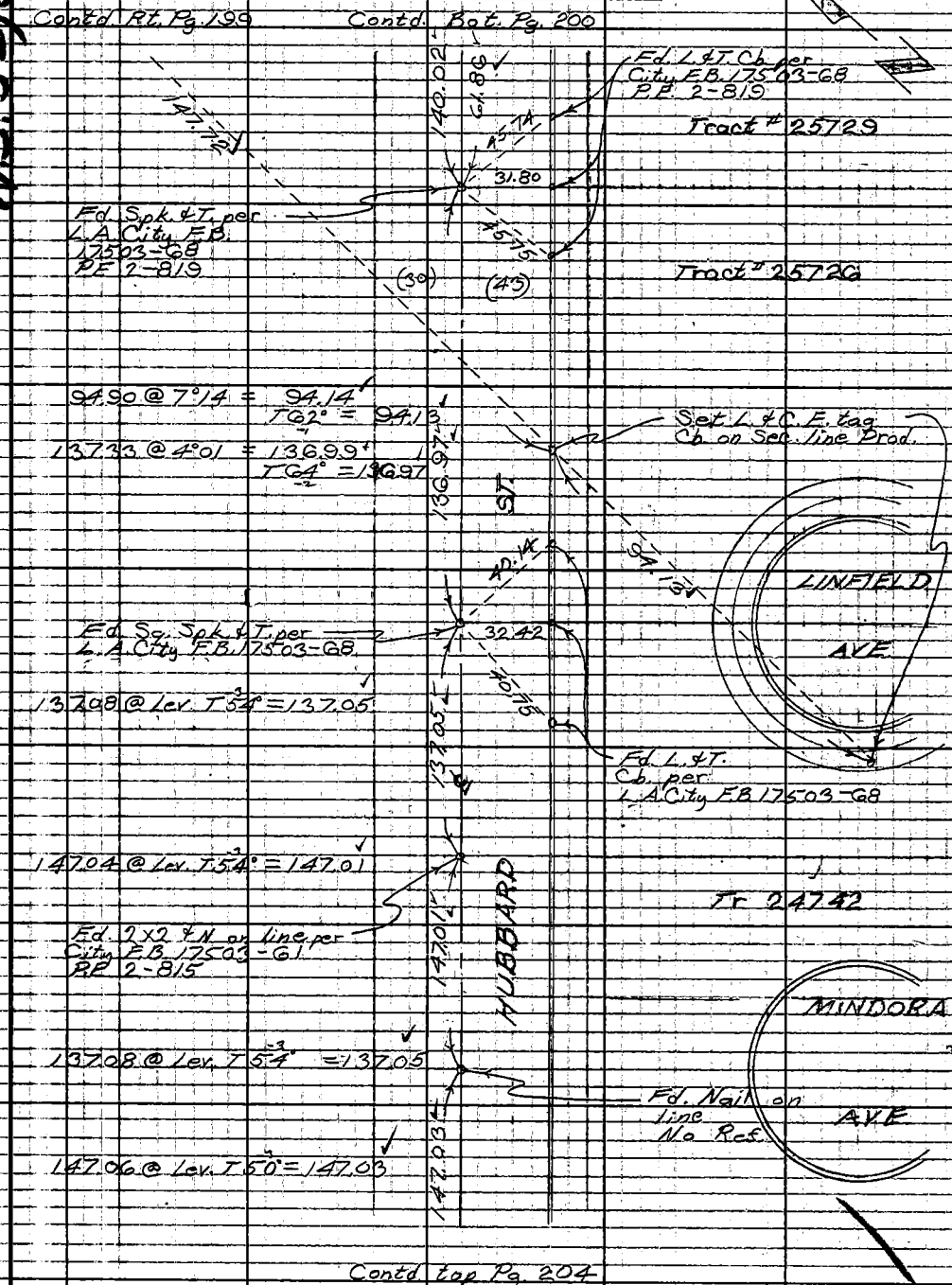
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Pacoima-Hubbard Loop
Map No.	JN 0095.87 Tape 145 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 23 Feb. 64
Date	Indexed [illegible] J. GALL

F.B. 2967 Pg. 203



W.S. 53, C-1

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

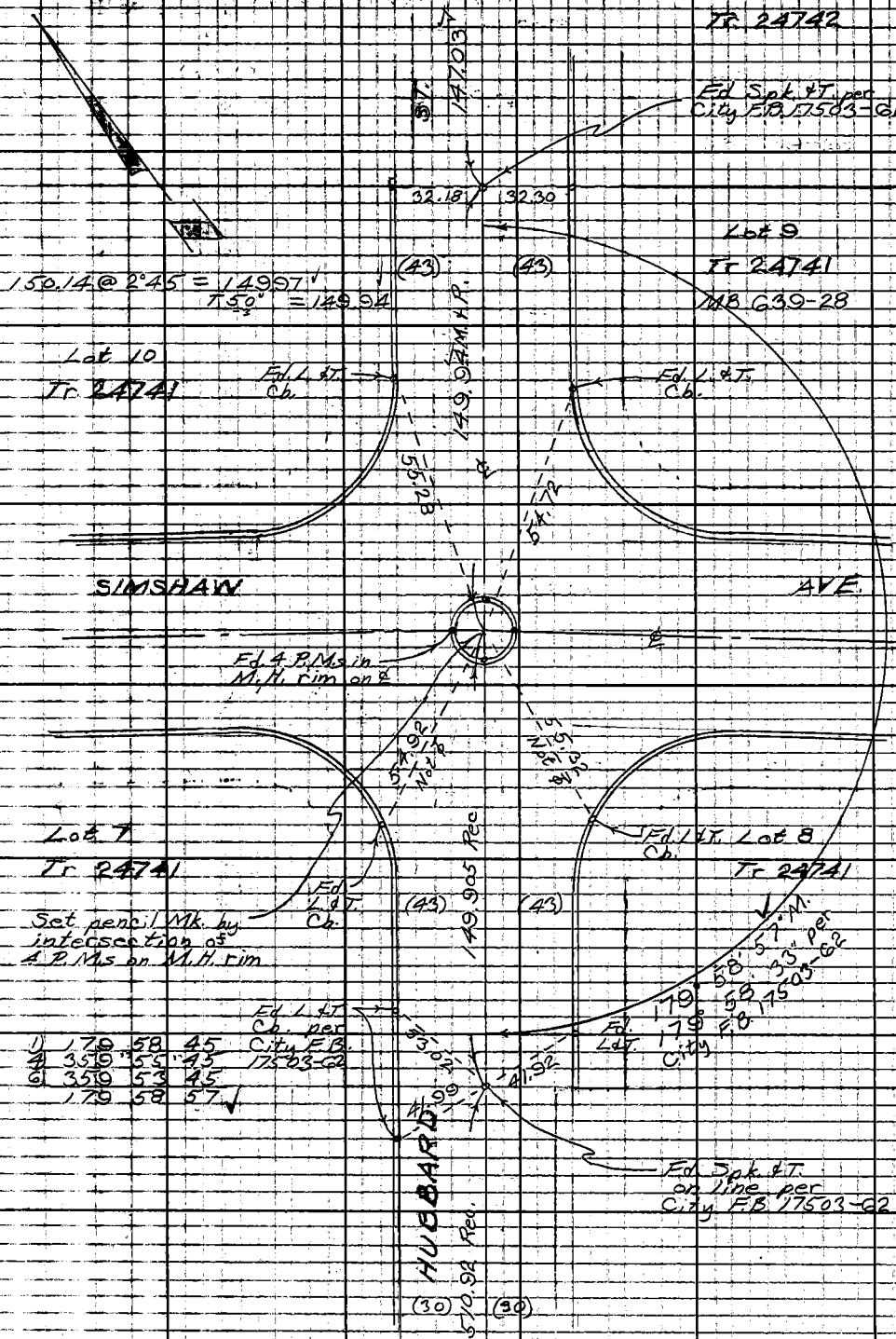
Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247 7-53

F.B. 2967 Pg. 204

Contd. Bot. Pg. 203



1) 179 58 45
4) 359 55 45
6) 359 53 45
179 58 57 ✓

Contd. top Pg. 205

W.S. 53, C-1

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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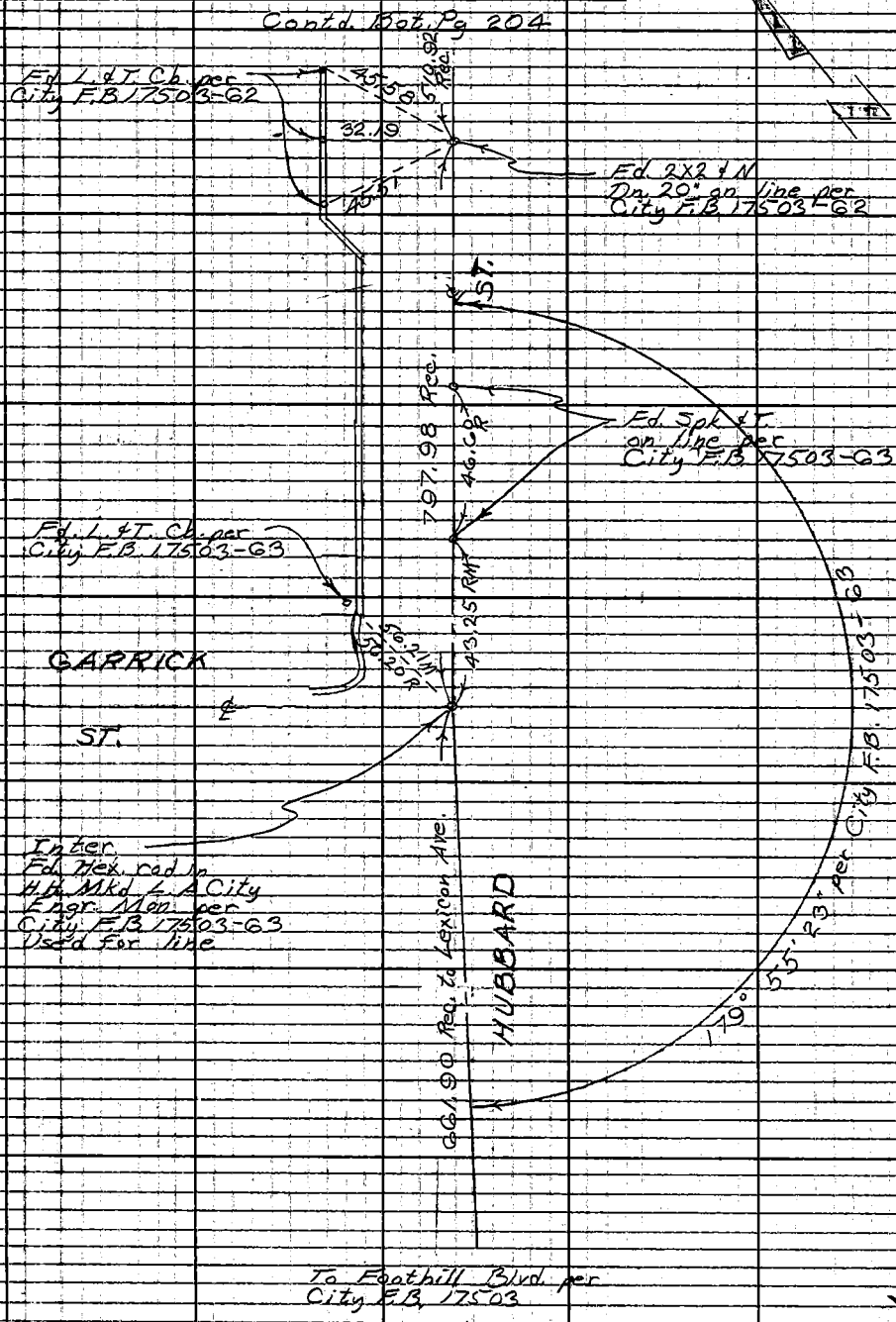
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change

Notes Ck'd by	Survey of Pacoima - Hubbard Loop
Map No.	JN 0095.87 Tape 145 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 24 March 64
Date	Indexed C. J. GALM

F.B. 2967 Pg. 205



W.S. 53, C-1

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247 7-53

F.B. 2967 PG. 206

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line

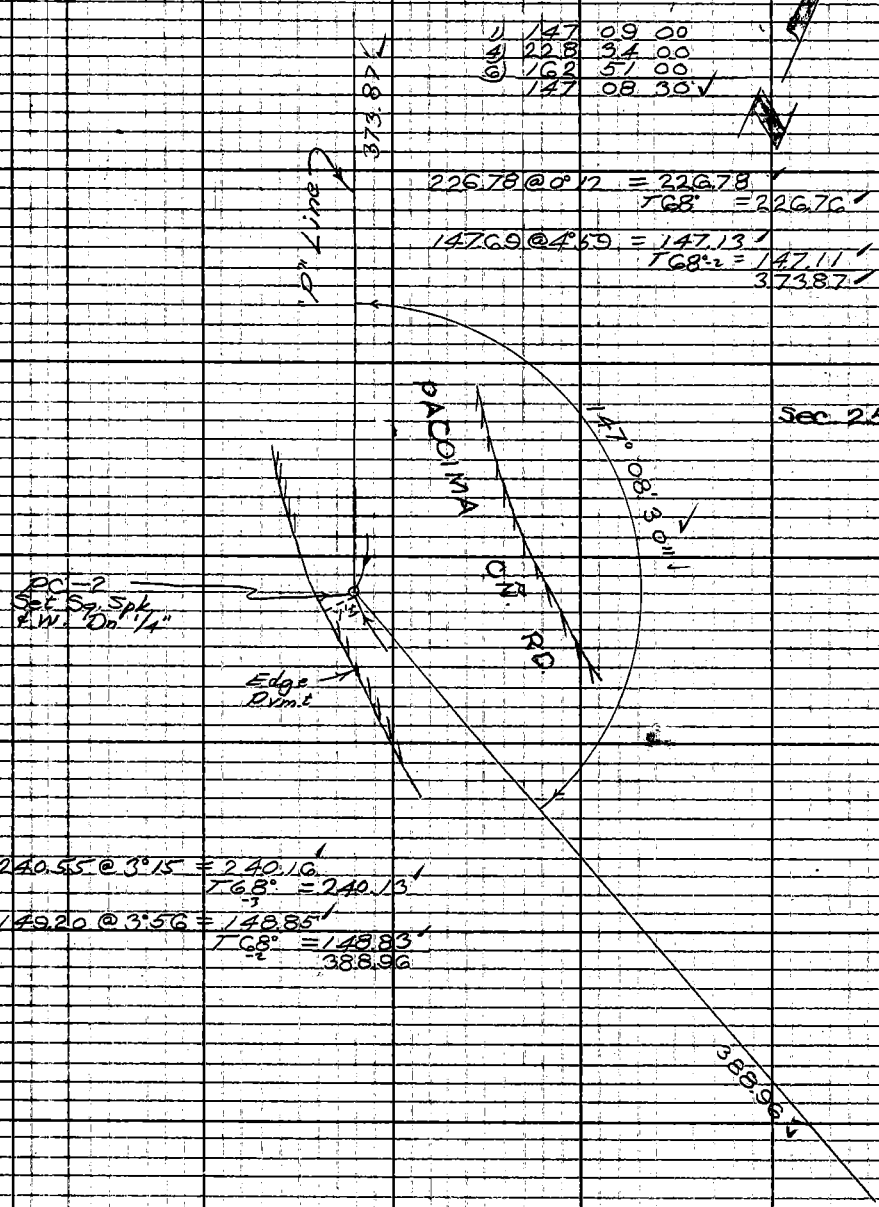
Note: Any Additions or Changes on This Sheet Must be Made or Cried in Red Ink With Date and Name of Person Making Change

Notes Ck'd by 39	Survey of Pacoima - Hubbard Loop
Map No.	JN 009587 Tape 145 Std 84 of
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 25 March 64
Date	Indexed C. J. GALLI

F. B 2967 Pg. 207

Contd. Rt. Pg 188

1) 147 09 00
4) 228 34 00
6) 162 51 00
147 08 30 ✓



226.78 @ 0°12 = 226.78
T68° = 226.76

147.69 @ 4°59 = 147.13
T68°-2 = 147.11
373.87

240.55 @ 3°15 = 240.16
T68°-3 = 240.13

149.20 @ 3°56 = 148.85
T68°-2 = 148.83
388.96

Contd top Pg. 208

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

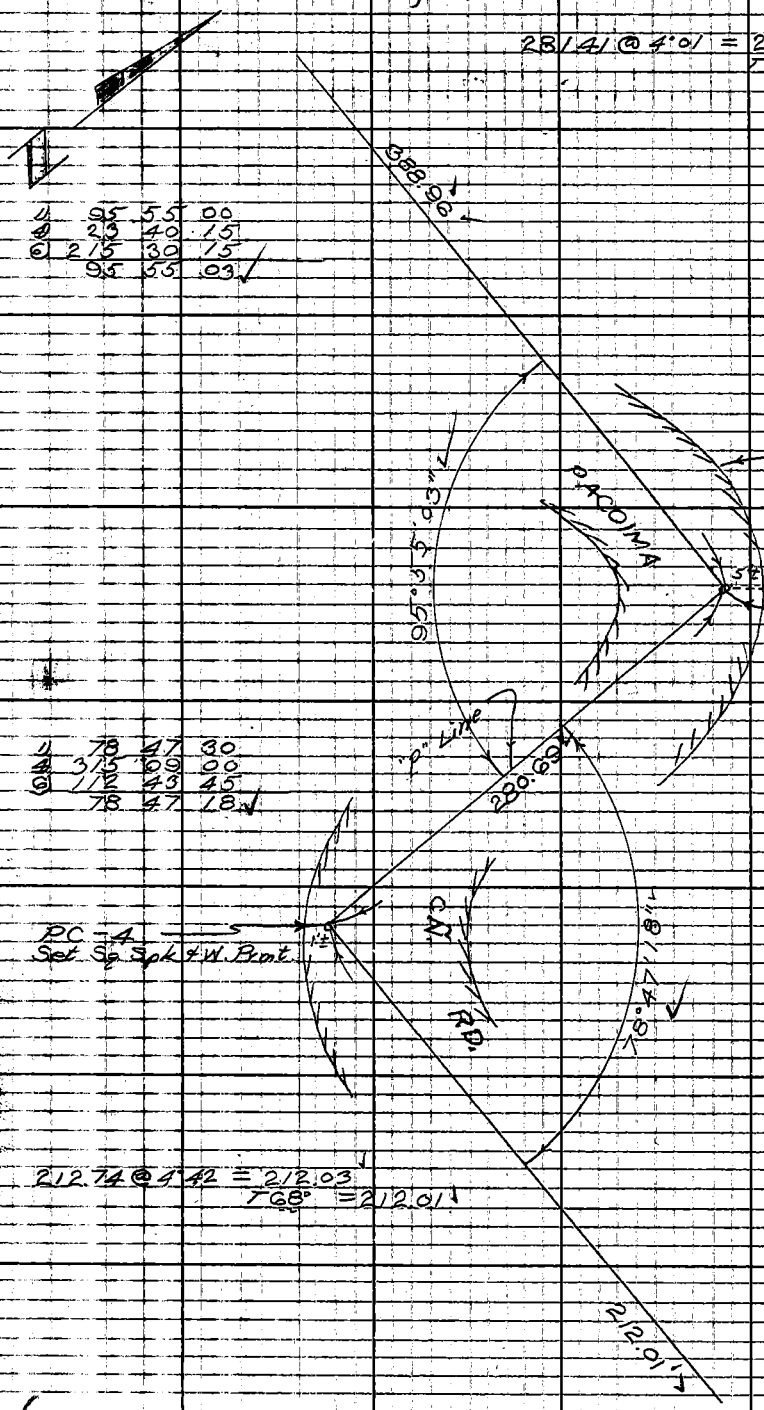
RETURN TO
LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.

768095 CE #247 7-53

F.B. 2967 Pg. 208

Contd. Bot. Pg. 207

281.41 @ 4.01 = 280.72
T68° = 280.69



1	95	55	00
4	23	40	15
6	215	30	15
	95	55	03

1	78	47	30
4	315	09	00
6	112	43	45
	78	47	18

212.74 @ 4.42 = 212.03
T68° = 212.01

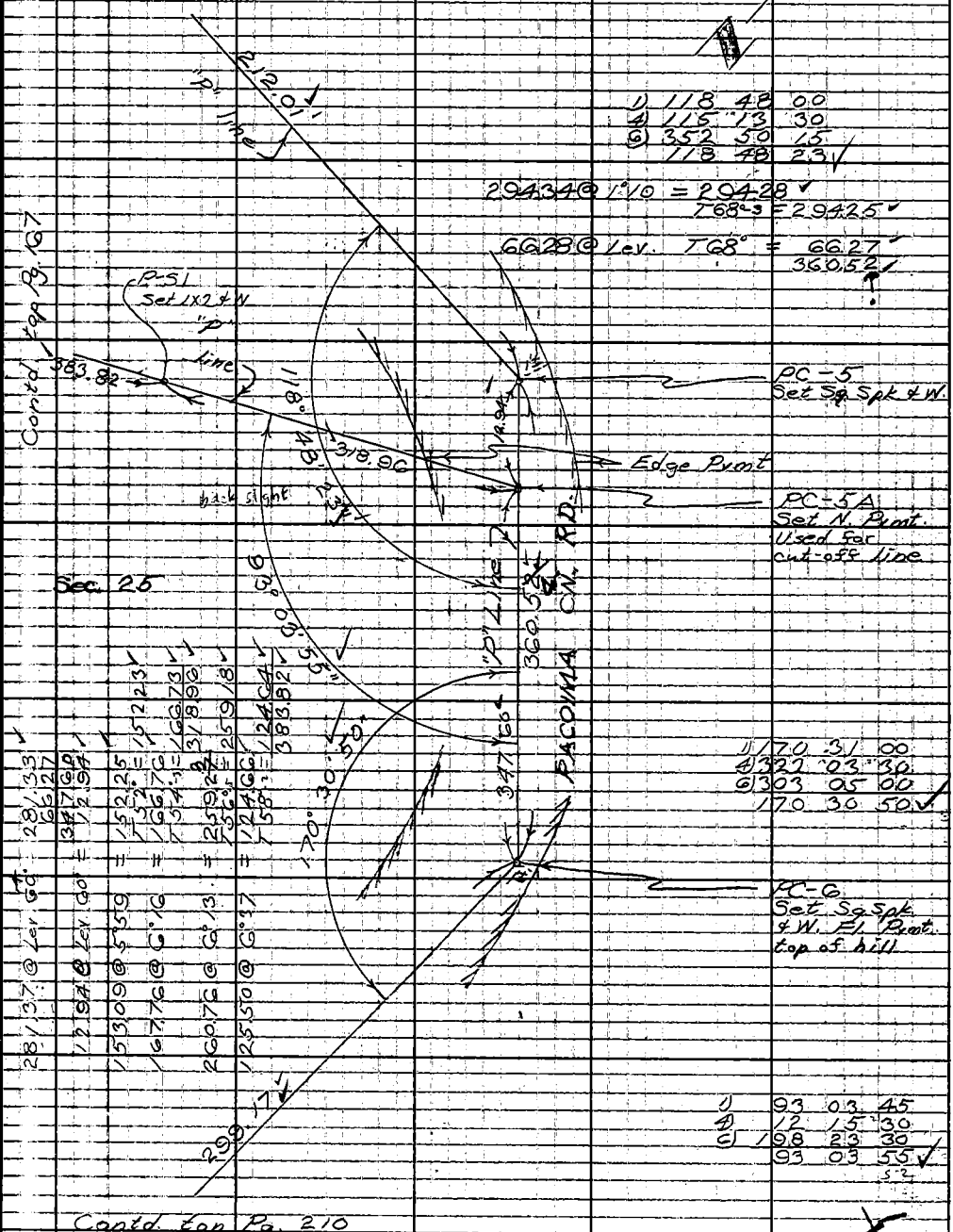
Contd top Pg. 209

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Pacoima-Hubbard Loop
Map No.	JN 0095.87 Tape 145 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 26 March 64
Date	Indexed [redacted] J. GALLI

F. B 2967 Pg. 209

Contd. Bot. Pg 208



1) 118 48 00
4) 115 13 30
6) 352 50 15
118 48 23

294.34 @ 1°10 = 294.28
T68°-3 = 294.25

66.28 @ Lev. T68° = 66.27
360.52

1) 170 31 00
4) 322 03 30
6) 303 05 00
170 30 50

1) 93 03 45
4) 12 15 30
6) 198 23 30
93 03 55

281.37 @ Lev. 60° = 281.33
66.27
347.60
12.94 @ Lev. 60° = 12.94
153.09 @ 5°59 = 152.25
T52° = 152.23
167.76 @ 6°16 = 166.76
T54° = 166.73
318.96
260.76 @ 6°13 = 259.27
T56° = 259.18
125.50 @ 6°37 = 124.66
T58° = 124.64
383.82

Contd. top Pg. 210

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76309S CE #247 7-53

F.B. 2967 PG. 210

Contd. Bot. Pg. 209

299.17

PC-6A
Set Sq. Spk & W
Fl. Prmt

299.83 @ 3°42 = 299.20
T68° = 299.17
298.98 @ 2°36 = 298.67
T68° = 298.64
12.84 @ Lev. T 68 = 12.84
311.48

R.D.

311.48

Edge Prmt

Sec. 25

PC-6B
Set Sq. Spk & W
Fl. Prmt

300.11 @ 3°41 = 299.49
T68° = 299.46
239.55 @ 1°45 = 239.44
T68° = 239.42
538.88

CN.

"P" Line

538.88

PACOIMA

PC-6C
Set Sq. Spk & W.
1' from W. edge Prmt.

135.10 @ Lev. T68 = 135.09

31.8

2" I.P. Mkr. pipe

BM PH-6
Pg. 231

135.09

Contd. top Pg. 211

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

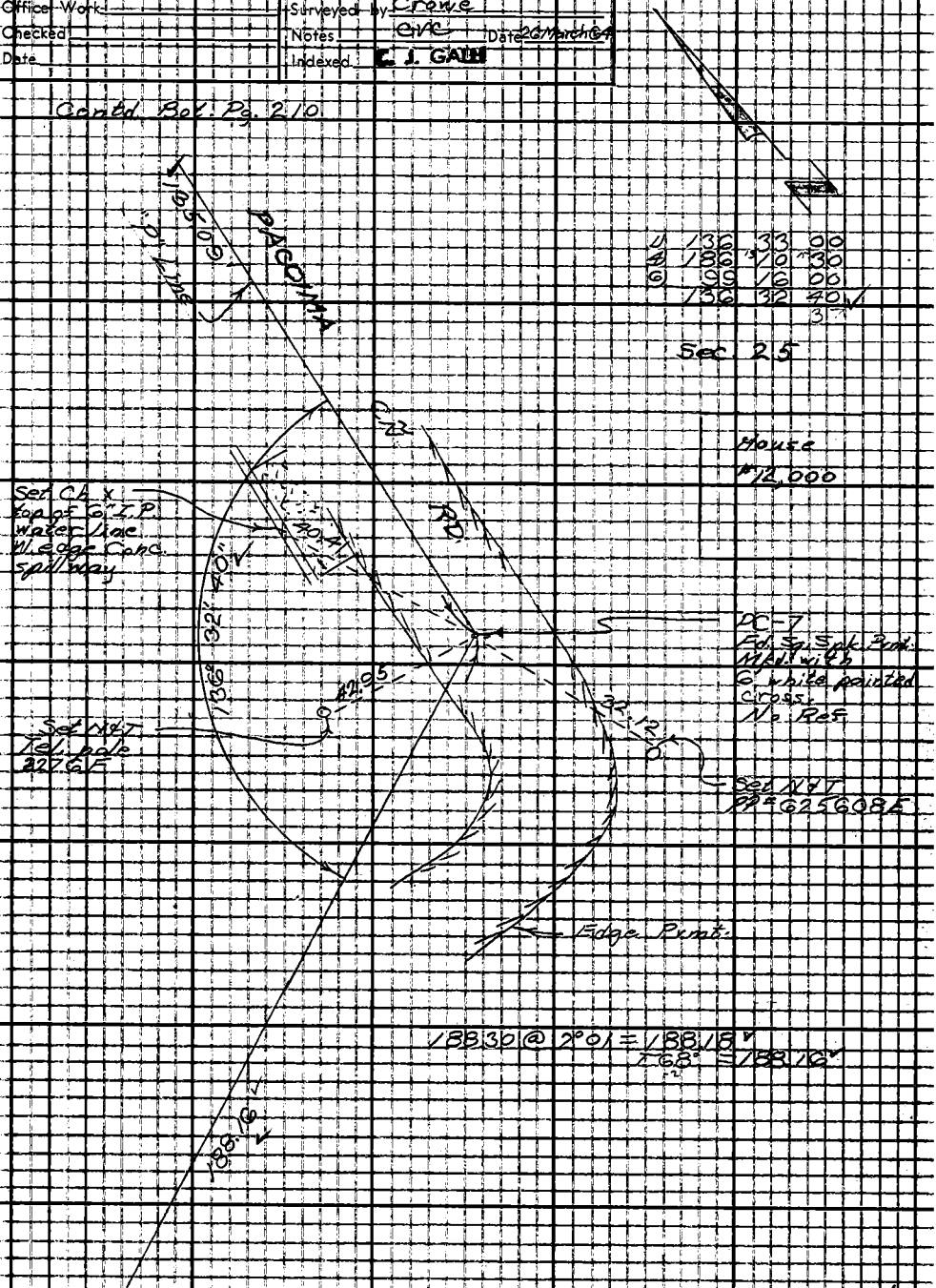
Do not extend notes this side of this line.

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Pacoima - Hubbard Loop
Map No.	JN 0095.37 Tape 145 Std 84 °F
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 26 March 64
Date	Indexed C. J. GALH

F. B. 2967 PG. 211

Contd. Bot. Pg. 210



Contd. top Pg. 212

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

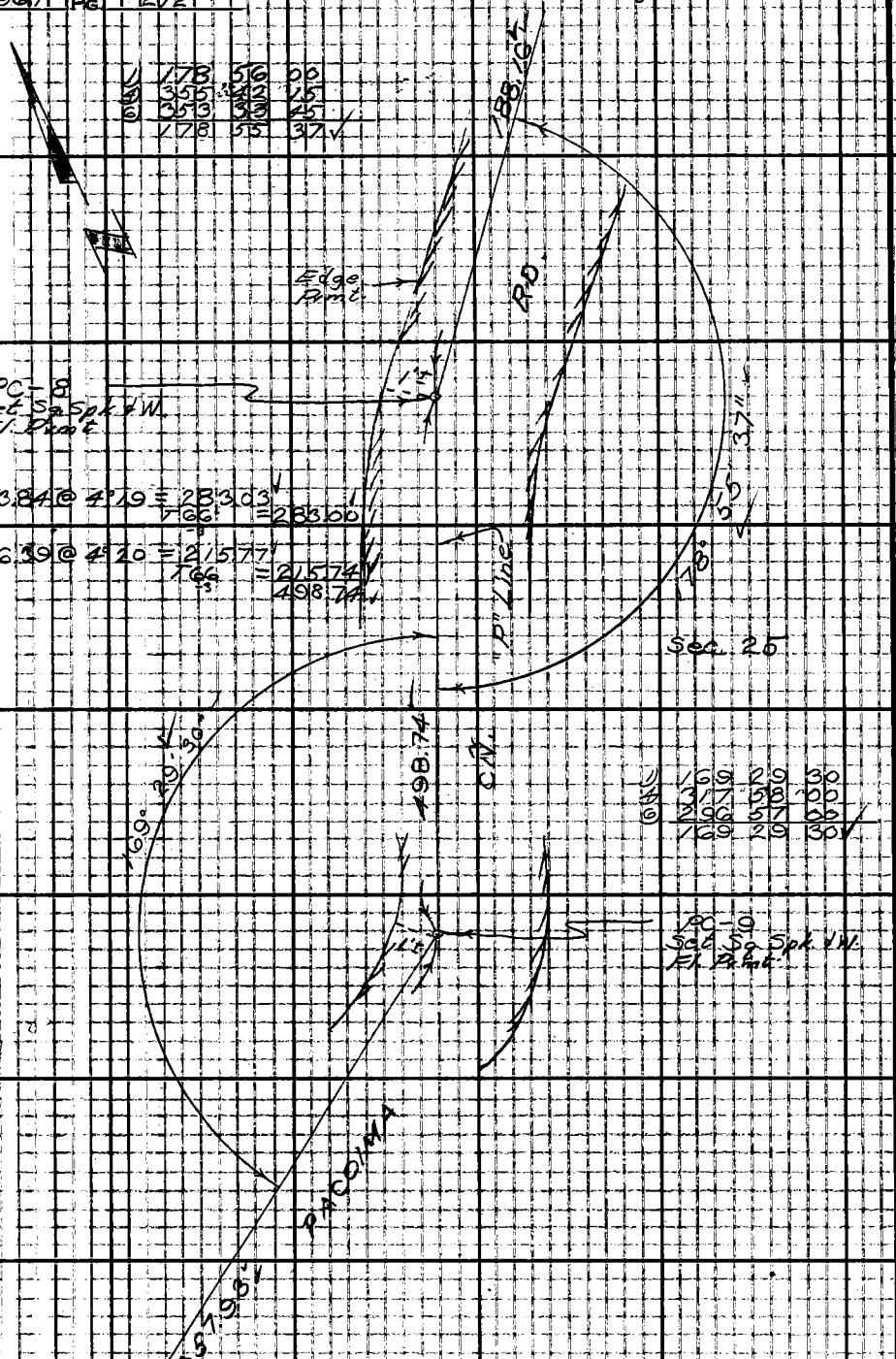
PLEASE RETURN TO LOS ANGELES COUNTY ENGINEER 403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S C/E #310 6-62

F. B. 2967 Pg. 212

Contd. Bok. Pg. 211

1	178	56	00
4	355	42	15
6	353	39	45
	178	55	37



Contd. top Pg. 213

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
603 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Pacoima – Hubbard Vaup	F.B. 2967 PG. 213
Map No.	JN 0095.87 Tape 145 Std. 84 °F	
Office Work	Surveyed by Crowe	
Checked	Notes CVC Date 26 March 64	
Date	Indexed C. J. GAIN	

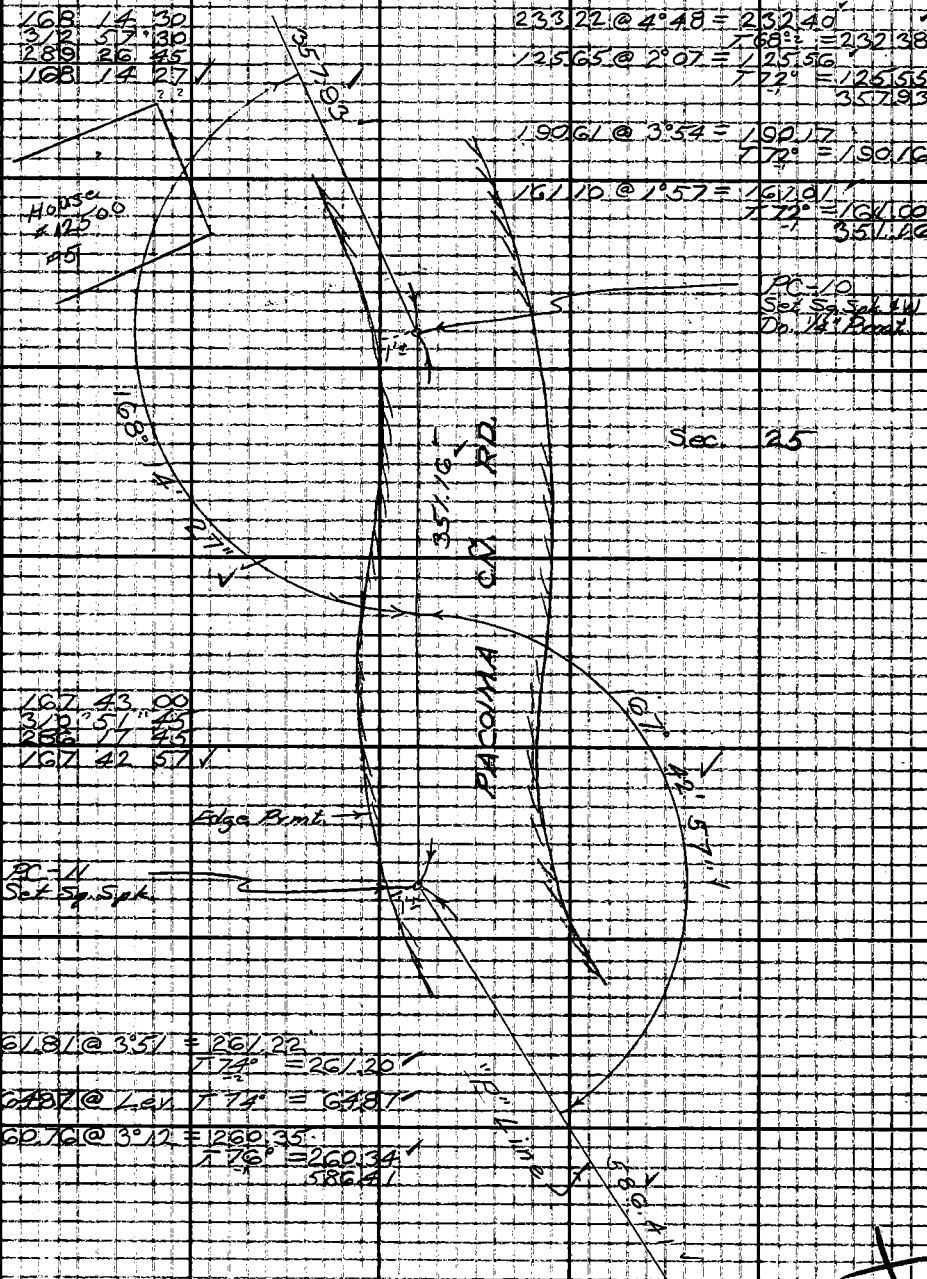
Contd. Bot. Pg. 212

1) 168 14 30
4) 312 57 30
6) 289 26 45
168 14 27 ✓

233.22 @ 4°48 = 232.40
T 68° = 232.38
125.65 @ 2°07 = 125.56
T 72° = 125.55
357.93

190.61 @ 3°54 = 190.17
T 72° = 190.16

161.10 @ 1°57 = 161.01
T 72° = 161.00
351.16



1) 167 43 00
4) 312 51 45
6) 286 17 45
167 42 57 ✓

261.81 @ 3°51 = 261.22
T 74° = 261.20

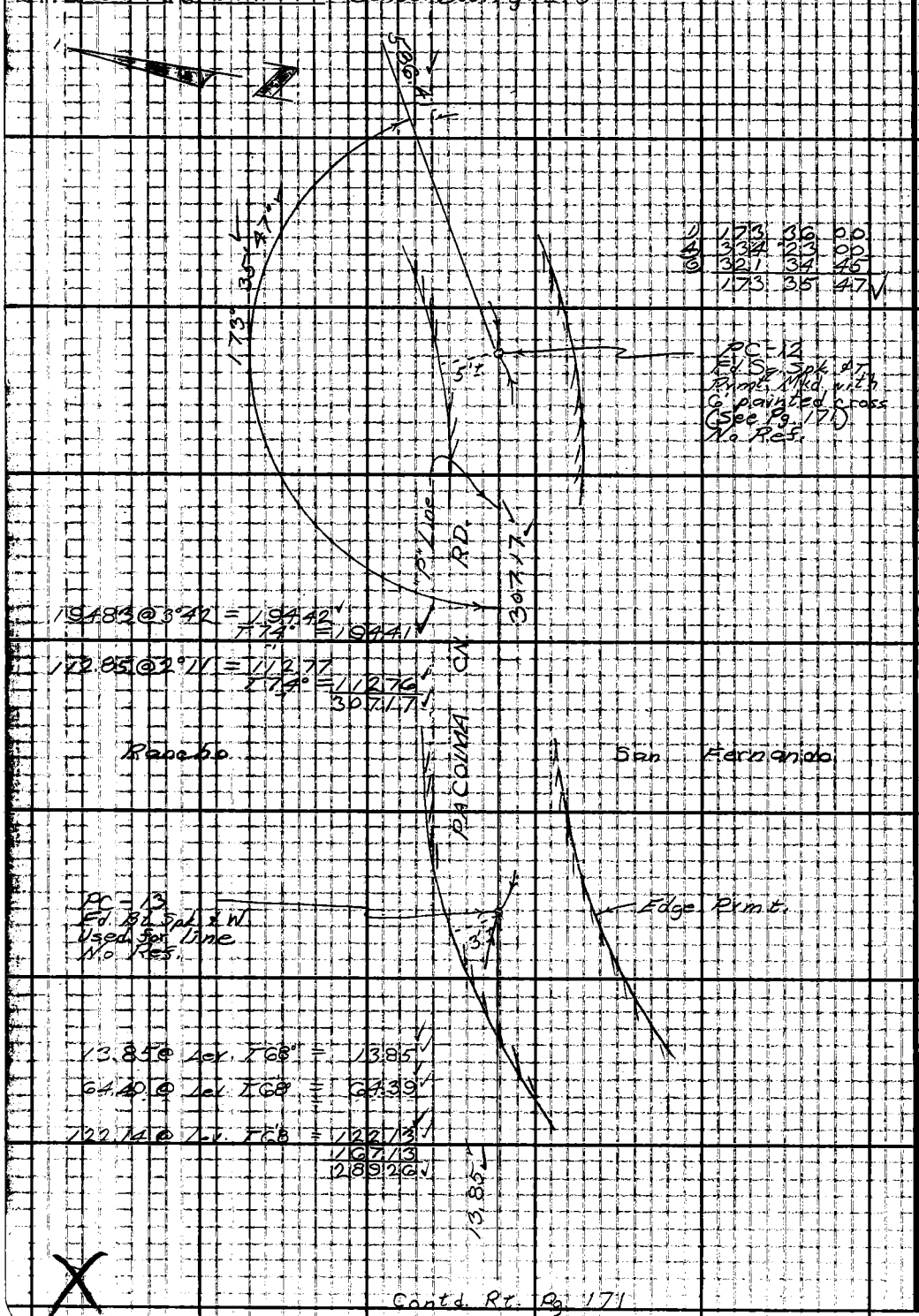
6487 @ Lev. T 74° = 6487

260.76 @ 3°12 = 260.35
T 76° = 260.34
586.41

Contd. top Pg. 214

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.
PLEASE RETURN TO LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F 3095 C.E. #340 6-62

F. B. 2967 Pg. 214 Contd. Bot. Pg. 213



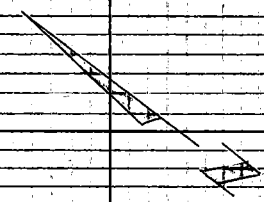
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Contd. Rt. Pg. 171

48.16

Notes Ck'd by	Survey of Pacoima - Hubbard Loop
Map No.	JN 0095.82 Tape 145 Std 84 OF
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 30 March 64
Date	Indexed C. J. GALLI

F.B. 2967 Pg. 215



Contd. Lt. Pg 173

264.91 @ 1°39 = 264.80 ✓
T54° = 264.75 ✓
-5
158.87 @ Lev. T54° = 158.84 ✓
-3
423.59
159.39 @ Lev. T54° = 159.36 ✓
-3
150.33 @ Lev. T54° = 150.30 ✓
-3
56.01 @ Lev. T54° = 56.00 ✓
365.66 ✓

175.44
108.64
134.07
418.15 @ Lev. T54° = 418.07 ✓
-8

ST. (Abandoned) 418.07

M-4
Fd
remains of
very old spk. & T. per
City F.B. 12262-9
Set P.K. spk

221.43
167.65
389.08 @ Lev. T56° = 389.01 ✓
-7

Rancho San Fernando

389.01

MACLAY

M-5
Fd 2X2
(no nail)
Set P.M.
No Ref.

41.8

531.13

L.A. City
F.B. 12262-9
Calls for Std. Survey
Mon. here.
Maclay St. from
M-1 to M-6 has
been abandoned
and this point
falls in a debris
basin. Did not
search for Mon.

205.16
179.73
384.89 @ Lev. T56° = 384.82 ✓
-7
149.36 @ 11°33 = 146.34 ✓
T56° = 146.31 ✓
-3
531.13 ✓

Contd. top Pg. 216

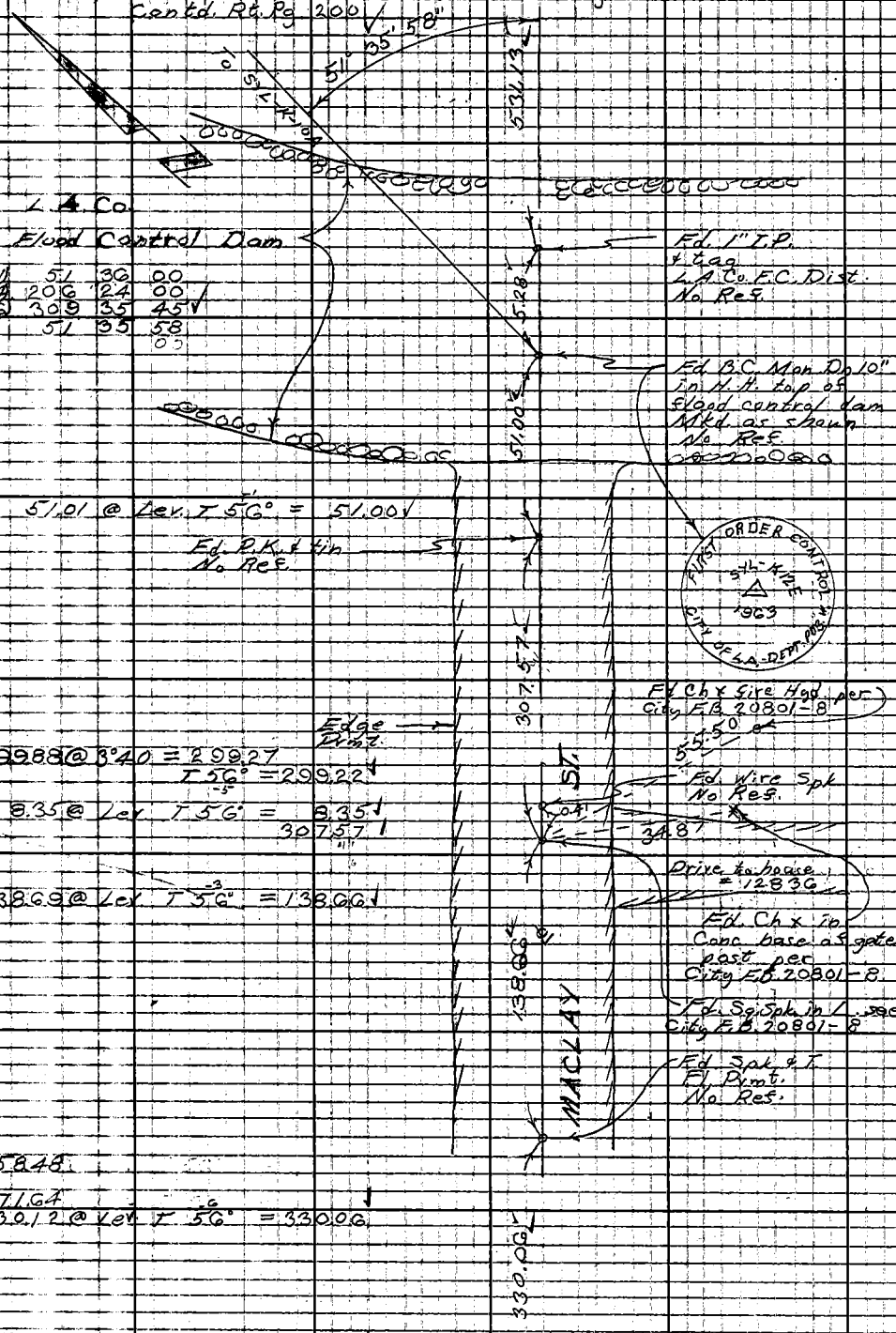
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend notes this side of this line.
RETURN TO
LOS ANGELES COUNTY ENGINEER
00 LOS ANGELES COUNTY ENGINEERING BLDG.
763095 CE #247 7-53

F.B. 2967 Pg. 216

7.94'
0.4'
8.35

Contd. Rt. Pg. 200

Contd. Bot. Pg. 215



X

Contd. Rt. Pg. 177

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

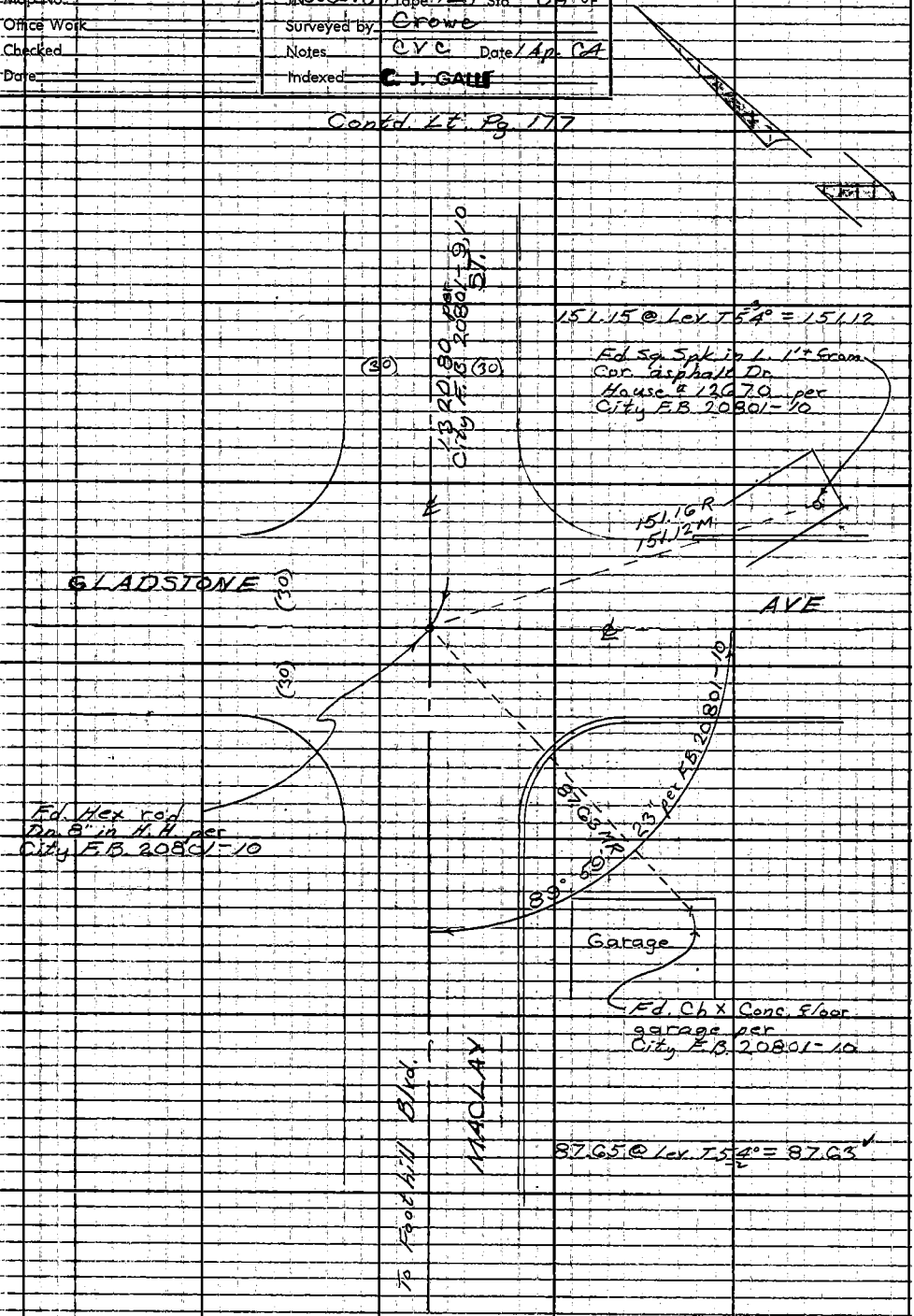
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Pacoima-Hubbard Loop
Map No.	JN0095.87 Tape 145 Std 84 of
Office Work	Surveyed by Crowe
Checked	Notes CVC Date 1 Ap. 64
Date	Indexed C. J. GALLE

F.B. 2967 PG. 217

W.S.53, C-2

Contd. Lt. Pg. 177



Contd. City F.B. 20801-10

Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247 7-59

NOTES RED. JOB NO. 009587 SURVEY OF Pacoima-Hubbard Loop

DATE SURVEY BY Crowe

NOTES CHKD. NOTES BY CVC DATE April 64

DATE INDEXED E. J. GAIM DATE

F. B. 2967 PG. 219

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

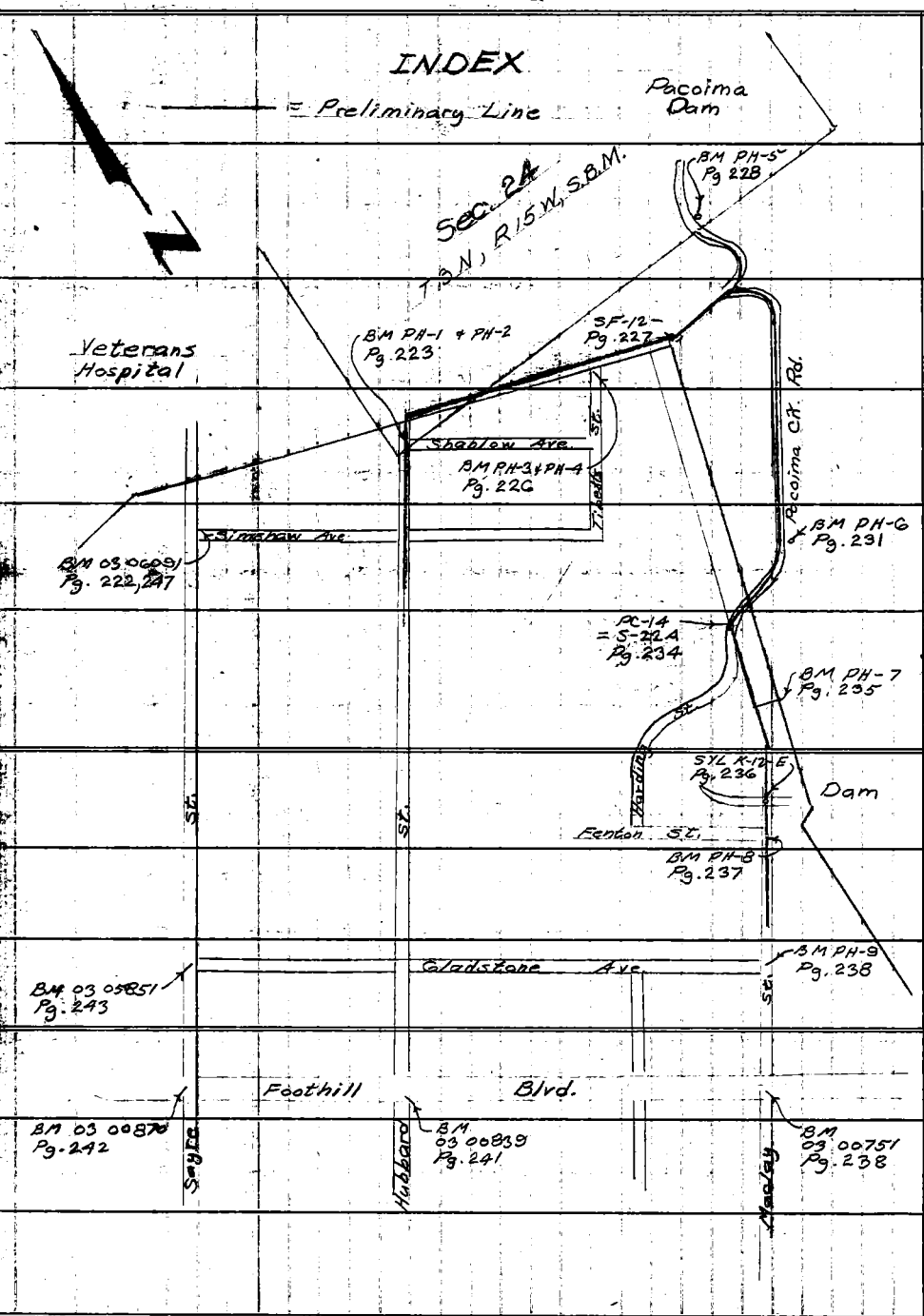
Do not extend notes this side of this line

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
PACOIMA CN. - HUBBARD ST. LOOP PRELIMINARY SURVEY BENCH LEVELS April 1964 J.N. 009587						
					Reference L.A. City F.B. ? Pg. 003, 0020	Party Crowe Newman Spriggs Peterson
						Sokkisha level #32203 Lovar rods #19 and #20

765420 S & E-353 4-54

F. B. 2967 Pg. 220

JOB NO. 0095.87 SURVEY OF Pacoima - Hubbard Inc. NOTES RED.
SURVEY BY Crowe DATE
NOTES BY CVC DATE 15 April 64 NOTES CHKD.
INDEXED E. J. GALLI DATE DATE



PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Peg check of level = 0.005' @ 200'

Do not extend notes this side of this line

JOB NO 009587 SURVEY OF Pacoima - Hubbard Loop NOTES RED DATE 3 April 64
SURVEY BY Crane DATE
NOTES BY CVC DATE NOTES CHKD
INDEXED C. I. GAIN DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Simshaw Ave. DESCRIPTION
B.M. 03 06091						B.M. # 03 06091 Elev. 1570.607
						L.A. City F.B. Pg. 0021
						Wire Spk in N.E. Co. Simshaw Ave., 2'
						S.E. of BC C.R. S.E. of Sayre St.
	1570.607					
+	4.938		+ 4.687			
Σ	1575.545	+ 1.207	- 1.206			
−	6.145		- 5.893			
B.M. 03 06090	1569.400					B.M. # 03 06090 Elev. 1569.396
+	3.450		+ 3.337			L.A. City F.B. Pg. 0021
Σ	1572.850	- 4.125	- 4.128			Wire Spk. @ & Inter. of Sayre St.
−	7.575		- 7.465			Simshaw Ave. about 500' N.E. of
TP	1565.275					Aults Ave.
+	3.090		+ 2.987	+ 2.765		
Σ	1568.365	+ 4.093	- 4.086	- 4.097		
−	7.183		- 7.073	- 6.862		
TP	1561.182					Spk. Pvmt.
+	2.510		2.577			
Σ	1563.692	+ 7.668	- 7.663			
−	10.178		10.240			
TP	1553.514					Spk. Pvmt.
+	0.760		0.662			
Σ	1554.274	- 11.083	- 11.088			
−	11.843		11.750			
TP	1542.431					Spk. Pvmt
+	11.625		11.488			
Σ	1554.056	+ 4.960	4.900			
−	6.665		6.528			
TP	1547.391					1x2

F. B. 2967 PG. 222

765420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Shablow Ave DESCRIPTION
TP	1547.391					1X2 Pg 222
+	9.030		9.307			
Σ	1556.421	+2.600	+2.600			
−	6.430		6.707			
TP	1549.991					1X2
+	10.650		10.920			
Σ	1560.641	+6.703	+6.707			
−	3.947		4.213			
B.M. PH-1	1556.694					B.M.-P.H.-1
+	5.228		5.488			Hubbard St. @ Shablow Ave., 150'±
Σ	1561.922	−4.915	−4.915			S.W. of Inter. ℄s, a std C.S.B.C. Mon.
−	10.143		10.403			which is the S.W. Cor. Sec. 24, T 3 N,
						R 15 W, F.B. 2967-199
B.M. P.H.-2	1551.779					B.M.-P.H.-2
+	5.334		5.142			Hubbard St. @ Shablow, a B.C. Mon.
Σ	1557.113	−0.208	−0.209			Mkd. SYL X-10-A in H.H. Mk'd City of L.A. Engr.
−	5.542		5.351			See F.B. 2967-200 (Mon. is 0.6' below surf.)
TBM-1	1551.571					TBM-1
+	7.053		6.969			Hubbard St. @ Shablow S. Cor.
Σ	1558.624	+2.939	+2.939			5'± SW of S. C.R., a lead and C.E. tag
−	4.114		4.030			in Cb. F.B. 2967-200
TP	1554.510					Spk. Pvmt.
+	5.401		5.311			
Σ	1559.911	−5.997	−5.996			
−	11.398		11.307			
TP	1548.513					1X2
+	9.240		9.329			
Σ	1548.753	−11.451	−11.452			
−	11.691		11.781			
TP	1537.062					1X2

NOTES: RED JOB NO. 0095.87 SURVEY OF Pacoima-Hubbard Loop
DATE 3 April 64 SURVEY BY Crowe
NOTES CHKD. NOTES BY CVC DATE 3 April 64
DATE INDEXED C. J. GAUM DATE

F.B. 2967 PG. 283

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO 0095.87 SURVEY OF Pacoima-Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY CVC DATE 3 April 64 NOTES CHKD.
INDEXED C. J. GALLI DATE DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						Rancho Line
TP	1537.062					1X2 Pg. 223
+	0.468		0.421			
Π	1537.530	-11.291	-11.291			
−	11.759		11.712			
TP	1525.771					Spk. Cut.
+	1.007		0.962			
Π	1526.778	-7.905	-7.907			
−	8.912		8.869			
R-15A	1517.866					R-15A F.B. 2967-160
+	0.348		0.258			Nail in 4" I.P. & Conc. on rancho
Π	1518.214	-11.324	-11.323			line. (up 10")
−	11.672		11.581			
TP	1506.542					Spk. Cut.
+	0.348		0.410			
Π	1506.890	-11.512	-11.514			
−	11.860		11.924			
TP	1495.030					Spk. Cut
+	6.584		6.530			
Π	1501.614	-4.046	-4.046			
−	10.630		10.576			
R-17	1490.984					R-17 F.B. 2967-161 1490.983
+	0.202		0.270			1X2 & N. on rancho line
Π	1491.186	-11.378	-11.379			
−	11.580		11.649			
TP	1479.606					Spk. Cut
+	0.395		0.323			
Π	1480.001	-10.524	-10.525			
−	10.919		10.848			
TP	1469.082					Spk. Cut (OP)

F. B. 2967 Pg. 224

76S420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Rancho Line DESCRIPTION
TP	1469.082					Spk. Cut Pg. 224
+	1.032		0.961			
Π	1470.114	6.951	-6.950			
−	7.983		7.911			
Prop. Cor.	1462.131					Prop. Cor. F.B. 2967-161
+	1.389		1.332			2" I.P. wood plug & tag L.S. 2379
Π	1463.520	9.162	-9.166			
−	10.551		10.498			
TBM-2	1452.969					TBM-2 Blue 1452.96
+	2.097		2.025			Rajah St. E. side, 150' I N of
Π	1455.066	8.483	-8.482			Marchant Ave., a Bt. Spk. S. side
−	10.580		10.507			PP# 285373-M
TP	1444.486					1X2
+	1.124		1.035			
Π	1445.610	9.330	-9.330			
−	10.454		10.365			
TP	1435.156					1X2
+	1.820		1.632			
Π	1436.976	8.730	-8.730			
−	10.550		10.362			
TP	1426.426					1X2
+	2.853		2.662			
Π	1429.279	8.157	-8.156			
−	11.010		10.818			
TP	1418.269					1X2
+	0.440		0.987			
Π	1418.709	9.063	-9.063			
−	9.503		10.050			
TP	1409.206					

NOTES RED. JOB NO. 00 95 87 SURVEY OF Pacaima-Hubbard Loop
DATE SURVEY BY Crowe
NOTES CHKD. NOTES BY CVC DATE 3 April 64
DATE INDEXED C. J. GALLI DATE

F.B. 2967 Pg. 285

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

JOB NO. 0095.67 SURVEY OF Rancho - Hubbard Loop NOTES RED
SURVEY BY Crowe DATE 3 April 64
NOTES BY CYC DATE NOTES CHKD.
INDEXED J. GALL DATE DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Rancho Line DESCRIPTION
TP	1409.206					1X2 Pg. 225
+	2.860		2.727			
Π	1412.066	- 8.150	- 8.148			
−	11.010		10.875			
TP	1401.056					1X2
+	0.443		0.377			
Π	1401.499	- 11.130	- 11.131			
−	11.573		11.508			
TP	1389.926					1X2
+	0.772		0.487			
Π	1390.698	- 5.105	- 5.108			
−	5.877		5.595			
BM PH-3	1384.821					B.M. P.H.-3
+	5.186		5.028			Tibbetts St. W. side, 100'± N. of
Π	1390.007	- 0.079	0.079			Marchant Ave., N. edge of driveway
−	5.265		5.107			to house # 12501, a Bt. Spk. in L. top Cb.
BM PH-4	1384.742					B.M. PH-4
+	7.940		8.068			Tibbetts St. E. side, 100'± N. of
Π	1392.682	+ 4.740	+ 4.740			Marchant Ave., S. edge driveway
−	3.200		3.328			to house # 12500, a Bt. Spk in L. top Cb.
R-22 off	1389.482					R-22 off Fd. 1X2 & N. F.B. 2967-164
+	0.882		0.763			
Π	1390.364	- 10.693	- 10.697			
−	11.575		11.460			
TP	1378.789					1X2
+	4.523		4.692			
Π	1383.312	+ 2.340	+ 2.340			
−	2.183		2.352			
R-23 off	1381.129					R-23 off Fd. 1X2 & N. F.B. 2967-165

F.B. 2967 Pg. 226

769420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Rancho Line DESCRIPTION				
R-23 off	1381.129					R-23 off sec	Pg. 22 c			
+	9.823		9.908							
Σ	1390.952	+ 8.332	+ 8.331							
−	1.491		1.577							
TP	1389.461					Rock				
+	10.837		11.127							
Σ	1400.298	+ 10.397	+ 10.397							
−	0.440		0.730							
TP	1399.858					Rock				
+	8.892		9.063							
Σ	1408.750	+ 5.655	+ 5.655							
−	3.237		3.408							
R23A off	1405.513					R-23 A-off	Fd. 1" I.P.	C.E. tag	F.B. 2967-166	
+	11.545		11.770							
Σ	1417.058	+ 11.317	+ 11.317							
−	0.228		0.453							
TP	1416.830					1X2				
+	11.093		11.352							
Σ	1427.923	+ 9.463	+ 9.463							
−	1.630		1.889							
R-24 off	1426.293					R-24 off	Fd. 1X2 + N	F.B. 2967-166		
+	11.592		11.758							
Σ	1437.885	+ 7.115	+ 7.115							
−	4.477		4.643							
TP	1433.408					1X2				
+	11.368		11.222							
Σ	1444.776	+ 10.818	10.819							
−	0.550		0.403							
SF-12	1444.226					SF-12	St.C.S.	B.C. Mon.	F.B. 2967-167	

NOTES RED ____ JOB NO. 009587 SURVEY OF Rancho-Hubbard Loop
DATE ____ SURVEY BY Crowe
NOTES CHKD ____ NOTES BY CYCL
DATE ____ INDEXED C. J. GALL DATE 6-4 April 64
DATE ____

F. B. 2967 PG. 227

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

JOB NO 009587 SURVEY OF Pacoima-Hubbard Lag NOTES RED
SURVEY BY Crane DATE
NOTES BY CVC DATE 6 April 64 NOTES CHKD
INDEXED C. J. GALL DATE DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
SF-12	1,444.226					SF-12 Pg. 227
+	7.675		7.803			
π	1451.901	+ 0.795	+ 0.795			
−	6.880		7.008			
TP	1445.021					1X2
+	6.928		6.880			
π	1451.949	+ 0.373	0.369			
−	6.555		6.511			
TP	1445.394					1X2
+	4.024		3.931			
π	1449.418	+ 1.074	1.076			
−	2.950		2.855			
TP	1446.468					Spk. Pvmt.
+	3.569		3.488			
π	1450.037	+ 7.640	7.637			
−	11.209		11.125			
PC-1	1438.828					PC-1 Fd. Bt. Spk. & W. F.B. 2967-188
+	8.100		8.053			
π	1446.928	+ 2.889	+ 2.889			
−	5.211		5.164			
BM PH-5	1441.717					BM PH-5
+	3.651		3.593			Pacoima Cñ. Rd. E. side, 2.2 miles direct
π	1445.368	− 2.606	− 2.607			N. of Foothill Blvd. 23'± N. of S. line
−	6.257		6.200			Sec. 24, a std. C.E. B.C.B.M. Mon. on S.
						slope, up 3'. (Set 2" I.P. marker pipe
						5' N. of BM) Mkd "BM-PH-5"
						(2.7 mi. from Foothill via Harding St.)
TP	1439.111					Spk. Pvmt

F.B. 2967 PG. 238

768420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Pacoima Cr. Rd. DESCRIPTION
TP	1439.111					Spk. Prmt. Pg. 228
+	9.972		9.948			
Σ	1449.083	+ 9.573	+ 9.571			
−	0.399		0.377			
TP	1448.684					Spk. Prmt.
+	7.719		7.644			
Σ	1456.403	+ 5.242	+ 5.241			
−	2.477		2.403			
PC-2	1453.926					PC-2 Spk. N.W. F.B. 2967-207
+	11.063		10.884			
Σ	1464.989	+ 10.660	+ 10.660			
−	0.403		0.224			
TP	1464.586					Spk. Prmt.
+	11.335		11.258			
Σ	1475.921	+ 10.127	+ 10.129			
−	1.208		1.129			
TP	1474.713					Spk. Prmt.
+	6.816		6.783			
Σ	1481.529	+ 3.765	+ 3.783			
−	3.051		3.020			
PC-3	1478.478					PC-3 Spk. N.T. F.B. 2967-208
+	11.078		11.134			
Σ	1489.556	+ 10.870	+ 10.870			
−	0.208		0.264			
TP	1489.348					Spk. Prmt.
+	11.724		11.571			
Σ	1501.072	+ 9.533	+ 9.532			
−	2.191		2.039			
TP	1498.881					Spk. Prmt.

NOTES RED ___ JOB NO. 00 95.87 SURVEY OF Pacoima-Hubbard Loop
DATE ___ SURVEY BY Crowe
NOTES CHKD ___ NOTES BY CYC DATE 6 April 64
DATE ___ INDEXED C. J. GALLI DATE ___

F.B. 2967 PG. 229

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
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Do not extend notes this side of this line

JOB NO. 0095.87 SURVEY OF Pacoima-Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY C.V.C. DATE 6 April 64 NOTES CHKD
INDEXED C.J. CALL DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Pacoima Cn. Rd. DESCRIPTION
TP	1498.881					TP Pg. 229
+	5.950		5.859			
π	1504.831	43.578	+ 3.578			
−	2.372		2.281			
PC-4	1502.459					PC-4 Spk. & W. F.B. 2967-208
+	11.939		11.825			
π	1514.398	+11.392	+11.392			
−	0.547		0.433			
TP	1513.851					Spk. Prmt.
+	10.349		10.238			
π	1524.200	+8.425	+ 8.425			
−	1.924		1.813			
PC-5	1522.276					PC-5 Spk. & W. F.B. 2967-209
+	6.495		6.461			
π	1528.771	+ 5.220	+ 5.220			
−	1.275		1.241			
T.P.	1527.496					Spk. Prmt.
+	9.008		8.946			
π	1536.504	+ 7.618	+7.617			
−	1.390		1.329			
PC-6	1535.114					PC-6 Spk. & W. F.B. 2967-209
+	0.618		0.550			
π	1535.732	− 11.193	11.193			
−	11.811		11.743			
T.P.	1523.921					Spk. Prmt.
+	1.040		0.875			
π	1524.961	−6.918	− 6.916			
−	7.958		7.791			
PC-6A	1517.003					PC-6A Spk. & W. F.B. 2967-210

F.B. 2967 Pg. 209

768420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Pacoima Cñ. Rd. DESCRIPTION
PC-6A	1517.003					PC-6A Pg. 230
+	0.475		0.414			
Π	1517.478	-10.264	-10.264			
−	10.739		10.678			
TP	1506.739					
+	0.385		0.289			
Π	1507.124	-10.496	-10.493			
−	10.881		10.782			
TP	1496.243					
+	0.604		0.526			
Π	1496.847	-10.299	-10.299			
−	10.903		10.825			
TP	1485.944					
+	0.321		0.259			
Π	1486.265	-8.557	-8.554			
−	8.878		8.813			
TP	1477.387					
+	1.695		1.663			
Π	1479.082	-6.654	-6.651			
−	8.349		8.314			
BM PH-6	1470.733					BM PH-6
+	0.422		0.530			Pacoima Cñ. Rd., E. side, 1.6 mi ± direct
Π	1471.155	-6.378	-6.378			NE of Foothill Blvd., 31.8' S.E. of
−	6.800		6.908			PC-6C Pg. 210, a Std. C.E.B.C. B.M. Mon.
						up 3" Mkd "BM PH-6" (2.1 mi. from Foothill via Harding St.)
TBM-3	1464.355					TBM-3
+	1.654		1.793			Pacoima Cñ. Rd., E. side, 1.6 mi ±
Π	1466.009	-1.920	-1.920			NE of Foothill Blvd., 120' ± SW. of BM.
−	3.574		3.713			PH-6, a Bt. Spk W. side PP# 625608-E
PC-7	1462.435					PC-7 Spk & T. F.B. 2967-211

NOTES RED JOB NO. 009587 SURVEY OF Pacoima-Hubbard Loop
DATE SURVEY BY Crowe
NOTES CHKD NOTES BY CVC DATE 6 April 64
DATE INDEXED C.J. GALLI DATE

F.B. 2967 PG. 231

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0095.87 SURVEY OF Pacoima - Hubbard Lane NOTES RED
SURVEY BY Crowe DATE
NOTES BY CVC DATE 7 April 64 NOTES CHKD
INDEXED C. J. GAHH DATE DATE

F.B. 2967 Pg. 232

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Pacoima Cn. Rd. DESCRIPTION
PC-7	1462.435					Pg. 231
+	1.663		1.725			
Π	1464.098	-6.062	-6.058			
−	7.725		7.783			
PC-8	1456.373					PC-8 Spk. & W. F.B. 2967-212
+	0.325		0.497			
Π	1456.698	-11.045	-11.043			
−	11.370		11.540			
TP	1445.328					Spk. Pvmt.
+	0.382		0.435			
Π	1445.710	-9.346	-9.347			
−	9.728		9.782			
TP	1435.982					Spk. Pvmt.
+	0.188		0.262			
Π	1436.170	-11.632	-11.628			
−	11.820		11.890			
TP	1424.350					Rock
+	1.963		2.177			
Π	1426.313	-6.822	-6.823			
−	8.785		9.000			
PC-9	1417.528					PC-9 Spk. & W. F.B. 2967-212
+	0.348		0.401			
Π	1417.876	-10.214	-10.212			
−	10.562		10.613			
TP	1407.314					Spk.
+	0.203		0.242			
Π	1407.517	-10.140	-10.141			
−	10.343		10.383			
TP	1397.174					Spk. Pvmt.

765420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Pacoima Cn. Rd. DESCRIPTION		
TP	1397.174					Spk. Prmt. Pg. 232		
+	2.622		2.792					
Π	1399.796	-3.980	-3.980					
−	6.602		6.772					
PC-10	1393.194					PC-10 Spk. & W. Prmt	F.B. 2967-213	
+	0.325		0.386					
Π	1393.519	-10.928	-10.932					
−	11.253		11.318					
TP	1382.266					Spk. Prmt.		
+	2.020		2.053					
Π	1384.286	-7.504	-7.504					
−	9.524		9.557					
PC-11	1374.762					PC-11 Spk. & W.	F.B. 2967-213	
+	0.250		0.390					
Π	1375.012	-11.028	-11.028					
−	11.278		11.418					
TP	1363.734					Spk. Prmt.		
+	0.283		0.333					
Π	1364.017	-11.447	-11.447					
−	11.730		11.780					
TP	1352.287					Spk. Prmt.		
+	1.160		1.268					
Π	1353.447	-8.500	-8.500					
−	9.660		9.768					
TP	1343.787					Spk. Prmt.		
+	0.668		0.803					
Π	1344.455	-8.197	-8.198					
−	8.865		9.001					
PC-12	1335.590					PC-12 Spk. & W.	F.B. 2967-214	

NOTES: RED 1 2 JOB NO 0095.87 SURVEY OF Pacoima-Hubbard Loop
DATE 1 SURVEY BY Crowe
NOTES CHKD 1 2 NOTES BY CVC
DATE INDEXED B. J. GALLI DATE 7 April 64
DATE

F.B. 2967 PG. 233

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

JOB NO. 009587 SURVEY OF Pacoima - Hubbard Loop
SURVEY BY Crane
NOTES BY CYC DATE 7 April 1964
INDEXED G. J. GALL DATE

NOTES RED DATE
NOTES CHKD DATE

F.B. 2967 Pg. 234

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Pacoima Cr. Rd. DESCRIPTION		
PC-12	1335.590					PC-12 Pg. 233		
+	0.930		1.105					
π	1336.520	- 7.880	- 7.882					
−	8.810		8.987					
TP	1327.710					Spk. Prmt.		
+	1.715		1.546					
π	1329.425	- 9.447	- 9.447					
−	11.162		10.993					
PC-14 =S-22A	1318.263					PC-14 =S-22A 1X2 +N	F.B. 2967-171	
+	0.790		0.967					
π	1319.053	- 7.100	- 7.101					
−	7.890		8.068					
TP	1311.163					Spk. Prmt.		
+	2.878		2.742					
π	1314.041	- 7.412	- 7.408					
−	10.290		10.150					
TP	1303.751					Spk. Prmt.		
+	0.250		0.275					
π	1304.001	- 9.250	- 9.248					
−	9.500		9.523					
S-22	1294.501					S-22 Spk. 1W.	F.B. 2967-171	
+	1.830		1.605					
π	1296.331	- 7.640	- 7.639					
−	9.470		9.244					
TP	1286.861					1X2		
+	2.610		2.388					
π	1289.471	- 5.315	- 5.315					
−	7.925		7.703					
S-18 055	1281.546					S-18 055 1X2 +N	F.B. 2967-173	

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Maclay St. DESCRIPTION
S-18 off	1281.546					S-18 off Pg. 234
+	4.206		4.383			
⊼	1285.752	+2.674	+2.673			
−	1.532		1.710			
TBM-4	1284.220					TBM-4
+	0.480		0.368			Maclay St. (abandoned) E. side, 0.9 miles ±
⊼	1284.700	−4.023	−4.027			NE of Foothill Blvd., top of stone wall
−	4.503		4.395			(F.B. 2967- ?) 2½' N. of SW Cor. wall,
						35.7' from S-18 Pg. 173, a screw in lead.
BM PH-7	1280.197					B.M. PH-7
+	0.479		0.434			Maclay St. (abandoned) E. side, 0.9 mi. direct
⊼	1280.676	−8.192	−8.197			N.E. of Foothill Blvd., 39.2' from
−	8.671		8.631			S-18 Pg 173, a Std. C.E.B.C.B.M. Mon.
						Mkd. "B.M. P.H.-7" up 1" (1.4 miles driving from Foothill via Harding St.)
M-3	1272.005					M-3 Spk. & W. Pvmt. F.B. 2967-173 Blue 1272.003
+	1.361		1.288			
⊼	1273.366	−7.458	−7.460			
−	8.819		8.748			
M-4	1264.547					M-4 Pk Spk F.B. 2967-215
+	6.195		6.132			
⊼	1270.742	+1.124	+1.123			
−	5.071		5.009			
T.P.	1265.671					1X2
+	2.564		2.539			
⊼	1268.235	+0.213	+0.217			
−	2.351		2.322			
TP	1265.884					TP 1X2

NOTES RED JOB NO. 0095.87 SURVEY OF Peroima - Hubbard Loop
DATE SURVEY BY Crowe
NOTES CHKD NOTES BY CVC DATE 7 April 64
DATE INDEXED C. J. GAH DATE

F.B. 2967 Pg. 235

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 0095.87 SURVEY OF Racoima - Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY CVC DATE 7 April 64 NOTES CHKD.
INDEXED C. J. GALLI DATE DATE

F. B. 2967 PG. 236

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Maclay St. DESCRIPTION
TP	1265.884					TP Pg. 235
+	8.380		8.435			
π	1274.264	+8.087	+8.086			
−	0.293		0.349			
TP	1273.971					Rock
+	9.926		9.855			
π	1283.897	+9.541	+9.541			
−	0.385		0.314			
TP	1283.512					1X2
+	9.390		9.362			
π	1292.902	+4.171	+4.171			
−	5.219		5.191			
TP	1287.683					1X2 Blue 1287.672
+	4.990		4.972			
π	1292.673	+2.957	+2.957			
−	2.033		2.015			
TP	1290.640					1X2
+	6.257		6.231			
π	1296.897	+1.371	1.369			
−	4.886		4.862			
SYL. K-12-E	1292.011					SYL. K-12-E B.C. Mon. Dn. 0.75' from surface
+	1.094		1.158			per F.B. 2967-216 Blue 1291.996
π	1293.105	−10.636	−10.636			
−	11.730		11.794			
TP	1281.375					Spk. Pvmt.
+	3.539		3.470			
π	1284.914	−5.809	−5.804			
−	9.348		9.274			
TP	1275.566					Spk. & T. Pvmt.

769420 S & E-353 4-54

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+0.199
-10.128 -9.929

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Maclay St. DESCRIPTION
TP	1275.566					TP Pg. 236
+	2.916		2.850			
π	1278.482	-5.863	-5.861			Blue
−	8.779		8.711			1269.690 D. 0.77
BM PH-8	1269.703					BM PH-8 = ℄ Inter. Maclay St. & Fenton Ave.
+	6.411		6.376			a Hex. rod in H.H. Mkd. City of L.A. Engr.
π	1276.114	+1.659	+1.658			Dn. 0.73' below surface F.B. 2967-177
−	4.752		4.718			
TBM-5	1271.362					TBM-5
+	3.351		3.302			Maclay St. @ Fenton Ave., N. Cor.
π	1274.713	-5.628	-5.630			a Sq. Spk. @ NE end C.R. 62.53' from
−	8.979		8.932			BM PH-8 F.B. 2967-177
TP	1265.734					Spk. Prmt.
+	2.211		2.149			
π	1267.945	-8.580	-8.580			
−	10.791		10.729			
TP	1257.154					Spk. Prmt.
+	0.321		0.392			
π	1257.475	-9.818	-9.816			
−	10.139		10.208			
TP	1247.336					Spk. Prmt.
+	0.199		0.221			
π	1247.535	-9.929	-9.930			
−	10.128		10.151			
TP	1237.407					Spk. Prmt.
×	0.348		0.259			
π	1237.755	-9.226	-9.228			
−	9.574		9.487			
TP	1228.181					Spk. Prmt.

NOTES RED JOB NO. 0095.87 SURVEY OF Pacoima-Hubbard Loop
DATE SURVEY BY Crowe
NOTES CHKD NOTES BY CVC DATE 7 April 64
DATE INDEXED C. J. GALL DATE

F.B. 2967 Pg. 287

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO 0095-87 SURVEY OF Pacoima-Hubbard Loop NOTES RED DATE
SURVEY BY Crowe NOTES CHKD DATE
NOTES BY CYC DATE 7 April 1964
INDEXED C. I. GALL DATE

F. B. 2967 Pg. 217

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Maclay St. DESCRIPTION
TP	1228.181					TP Pg. 237
+	5.467		5.434			
Π	1233.648	-2.760	-2.767			Blue
−	8.233		8.201			1225.397
BM PH-9	1225.415					BM PH-9
+	1.940		1.800			Maclay St. and Gladstone Ave. & Inter.
Π	1227.355	-9.964	-9.968			a Hex. rod in H.H. Mkd. City of L.A. Engr.
−	11.904		11.768			Dn. 0.90' from surface F.B. 2967-217
TP	1215.451					Spk. Prmt.
+	0.204		0.231			
Π	1215.655	-7.594	7.594			
−	7.798		7.825			
TP	1207.857					Sq. Spk. Prmt.
+	2.429		2.382			
Π	1210.286	-4.342	-4.347			
−	6.771		6.729			
TP	1203.515					Spk. Prmt.
+	2.585		2.551			
Π	1206.100	-4.890	-4.888			
−	7.475		7.439			
TP	1198.625					
+	3.463		3.400			Blue
Π	1202.088	-4.977	-4.975			1193.026
−	8.440		8.381			
BM 03 00751	1193.048					BM 03 00751 Elev. 1193.515
+	11.200		11.280			L.A. City F.B. ? Pg. 0003
Π	1204.848	+10.596	+10.597			Std. Surv. Mon. 4-L-24 @ E Inter. Foothill
−	0.604		0.683			Blvd. & Maclay St.
TP	1204.244					Spk. Cb.

765420 S & E-553 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Foothill Blvd DESCRIPTION
TP	1204.244					TP Pg. 238
+	8.025		8.065			
Σ	1212.269	+ 4.088	+ 4.088			
−	3.937		3.977			
TP	1208.332					Spk. Cb.
+	5.707		5.730			
Σ	1214.039	+ 2.065	+ 2.065			
−	3.642		3.665			
TP	1210.397					Spk. Cb.
+	7.767		7.948			
Σ	1218.164	+ 6.014	+ 6.015			
−	1.753		1.933			2.166
TP	1216.411					Spk. Cb.
+	4.400		4.560			
Σ	1220.811	− 0.490	0.490			
−	4.890		5.050			
BM 03 00770	1215.921					BM 03 00770 Elev. 1215.793
+	4.458		4.680			L.A. City F.B. ? Pg. 0003
Σ	1220.379	− 2.170	− 2.169			Std. Surv. Mon. 5YL J-12-C, on ℄
−	6.628		6.849			Foothill Blvd. 30' S.E. of ℄ Harding St.
BM 03 00771	1213.751					BM 03 00771 Elev. 1213.627
+	9.380		9.342			L.A. City F.B. ? Pg. 0003
Σ	1223.131	+ 6.943	+ 6.941			Wire Spk. S.E. Cb. Harding St., 70' S.W.
−	2.437		2.401			of ℄ Foothill Blvd, 5' S.W. of N.E.
						end Cb.
TP	1220.694					Spk. Cb.
+	9.448		9.525			
Σ	1230.142	+ 9.197	+ 9.196			
−	0.251		0.329			
TP	1229.891					

NOTES RED 1 2 3 4 5 JOB NO 0095.87 SURVEY OF Pacoima-Hubbard Loop
DATE SURVEY BY Crowe
NOTES CHKD 1 2 3 4 5 NOTES BY CYC DATE 8 April 64
DATE INDEXED C. J. GALLI DATE

F.B. 2967 PG. 239

PLEASE RETURN TO
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JOB NO. 00 95.87 SURVEY OF Pacoima-Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY CVC DATE 8 April 64 NOTES CHKD
INDEXED C. J. GALLY DATE DATE

F. B. 2967 Pg. 240

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Foothill DESCRIPTION
TP	1229.891					TP Pg. 239
+	10.804		10.772			
π	1240.695	+10.513	+10.510			
−	0.291		0.262			
TP	1240.404					Spk. Pvmt.
+	8.205		8.150			
π	1248.609	+3.186	+3.188			
−	5.019		4.962			
BM 03 00780	1243.590					BM 03 00780 Elev. 1243.474
+	3.648		3.571			L.A. City F.B. ? Pg. 0003
π	1247.238	−3.554	−3.558			Std. Trav. Mon. 4-L-21 on transit line
−	7.202		7.129			Foothill Blvd. & Fernmont St. under cover
TP	1240.036					Spk Cb.
+	3.433		3.355			
π	1243.469	+3.112	+3.114			
−	0.321		0.241			
TP	1243.148					Spk. Pvmt.
+	5.000		4.941			
π	1248.148	+2.069	+2.068			
−	2.931		2.873			
BM 03 00820	1245.217					BM 03 00820 Elev. 1245.094
+	6.360		6.457			L.A. City F.B. ? Pg. 0003
π	1251.577	+4.945	+4.945			Wire Spk. in SW Cb. Foothill Blvd.,
−	1.415		1.512			5' NW of BC Cb. Rt. NW of Gridley St.
TP	1250.162					Spk Pvmt.
+	11.210		11.140			
π	1261.372	+10.895	+10.895			
−	0.315		0.245			
TP	1261.057					Spk. Pvmt

769420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Foothill Blvd. DESCRIPTION
TP	1261.057					TP Pg. 240
+	8.980		9.130			
$\bar{\pi}$	1270.037	+ 7.310	+ 7.310			
−	1.670		1.820			
TP	1268.367					Spk. Pvmt. Foothill
+	6.838		6.685			
$\bar{\pi}$	1275.205	+ 0.423	+ 0.422			
−	6.415		6.263			
TP	1268.790					Spk. Cb.
+	3.445		3.647			
$\bar{\pi}$	1272.235	+ 3.058	+ 3.057			
−	0.387		0.590			
TP	1271.848					Spk. Cb.
+	10.530		10.490			
$\bar{\pi}$	1282.378	+ 10.260	+ 10.258			
−	0.270		0.232			
TP	1282.108					Spk. Pvmt.
+	10.745		10.832			
$\bar{\pi}$	1292.853	+ 8.641	+ 8.642			
−	2.104		2.190			
TP	1290.749					Spk. Cb.
+	6.012		5.880			
$\bar{\pi}$	1296.761	+ 0.824	+ 0.823			
−	5.188		5.057			
BM 03 00839	1291.573					BM 03 00839 Elev. 1291.449 per 573 124
+	5.938		6.005			L.A. City F.B. ? Pg. 0003
$\bar{\pi}$	1297.511	+ 1.182	+ 1.182			Wire Spk. in NE Cb. Foothill Blvd. @
−	4.756		4.823			Cb BC SE of Hubbard St.
TP	1292.755					Spk. Walk.

NOTES RED JOB NO 0095.87 SURVEY OF Pacoima - Hubbard Loop
DATE SURVEY BY Crowe
NOTES CHKD NOTES BY CVC DATE 13 April 64
DATE INDEXED C. J. GALLI DATE

F.B. 2967 PG. 241

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JOB NO 00 95.87 SURVEY OF Pasadena - Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY C.V.C. DATE 13 April 64 NOTES CHKD
INDEXED C. J. GALLI DATE DATE

F. B. 2967 PG. 242

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Foothill Blvd DESCRIPTION
TP	1292.755					TP Pg. 241
+	6.123		6.100			
Π	1298.878	+ 1.371	+ 1.370			
−	4.752		4.730			
TP	1294.126					Spk. Pvmt.
+	6.365		6.272			
Π	1300.491	+ 1.577	+ 1.577			
−	4.788		4.695			
TP	1295.703					Spk. Pvmt.
+	6.520		6.573			
Π	1302.223	+ 1.790	+ 1.790			
−	4.730		4.783			
TP	1297.493					Spk.
+	3.965		3.790			
Π	1301.458	+ 0.315	0.315			
−	3.650		3.475			
BM 03 00870	1297.808					
+	9.561		9.488			BM 03 00870 Elev. 1297.685 per
Π	1307.369	+ 7.243	+ 7.244			L.A. City F.B. ? Pg 0003
−	2.318		2.244			Wire Spk. in S. side of Conc. light post
						base 34.5' SE of ℄ Sayre St. and
						41' NE of ℄ Foothill Blvd.
TP	1305.051					
+	11.023		10.983			
Π	1316.074	+ 0.442	+ 10.444			
−	0.581		0.539			
TP	1315.493					Spk. Pvmt.

765420 S & E-353 4-54

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+9.661
8.601
-1.060

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Sayre St. DESCRIPTION
TP	1315.493					TP Pg. 242
+	11.156		11.231			
Π	1326.649	+10.941	+10.938			
−	0.215		0.293			
TP	1326.434					Spk. Pvmt. Sayre
+	10.805		10.750			
Π	1337.239	+10.077	+10.079			
−	0.728		0.671			
TP	1336.511					Spk. Pvmt.
+	9.011		8.971			
Π	1345.522	+6.950	+6.950			
−	2.061		2.021			
BM 03 05851	1343.461					BM 03 05851 Elev 1343.361 per
+	7.203		7.136			L.A. City F.B. Pg 0020
Π	1350.664	+4.514	+4.575			Wire Spk. in NE Cb Gladstone Ave,
−	2.689		2.621			2' SE of BC CR SE of Sayre St.
TP	1347.975					Spk. berm
+	8.942		9.000			
Π	1356.917	+7.063	+7.065			
−	1.879		1.935			
TP	1355.038					Spk. Pvmt.
+	7.458		7.399			
Π	1362.496	+4.047	+4.047			
−	3.411		3.352			
BM 03 05879	1359.085					BM 03 05879 Elev. 1358.984 per
+	9.661		9.692			L.A. City F.B. Pg. 0020
Π	1368.746	+8.601	+8.600			Wire Spk. in NE Cb Sayre St., 3.5'
−	1.060		1.092			NE of BC CR NE of Wheeler Ave.
TP	1367.686					

NOTES RED
DATE
NOTES CHKD
DATE
INDEXED
JOB NO 0095.87 SURVEY OF Pacoima - Hubbard Loop
SURVEY BY Crowe
NOTES BY CVC
C. J. GALL
DATE 13 April 64
DATE

F.B. 2967 PG. 243

PLEASE RETURN TO
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B.M.	1ST RUN	DIEF.	2ND RUN	3RD RUN	ADJ. ELEV.	Sayre St. DESCRIPTION
TP	1367.686					TP Pg. 243
+	8.655		8.615			
π	1376.341	+6.917	+6.917			
−	1.738		1.698			
TP	1374.603					Spk. Prmt.
+	7.077		7.012			
π	1381.680	+5.368	+5.367			
−	1.709		1.645			
BM 03 05910	1379.971					BM 03 05910 Elev. 1379.858
+	7.353		7.188			L.A. City F.B. Pg. 0020
π	1387.324	+4.903	+4.903			Wire Spk. SE Cb Sayre St., 6' N
−	2.450		2.285			NE of BC C.R. NE of Fenton St.
						SW end of Cb
TP	1384.874					Spk. berm
+	10.430		10.635			
π	1395.304	+9.840	+9.840			
−	0.590		0.795			L.A. City F.B. Pg 0020
BM 03 05941	1394.714					BM 03 05941 Elev. 1394.632 per
+	9.828		9.962			Wire Spk. in NE Cb. Kismet Ave., 3'
π	1404.542	+9.216	+9.215			SE of BC C.R., SE of Sayre St. per
−	0.612		0.747			
TP	1403.930					Spk. berm
+	10.485		10.602			
π	1414.415	+10.063	+10.062			
−	0.422		0.540			
TP	1413.993					Spk. Prmt.

F. B. 90 P. 26

JOB NO. 0[illegible]
SURVEY BY [illegible]
NOTES BY [illegible]
INDEXED C. I. GALL

NOTES RED
DATE
NOTES CHKD.
DATE 13 April 64
DATE

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Sayre St. DESCRIPTION
TP	1413.993					TP Pg. 244
+	6.393		6.300			
π	1420.386	+2.610	+2.610			
−	3.783		3.690			603 / 073
BM 03 05972	1416.603					BM 03 05972 Elev. 1416.524 per
+	11.905		11.750			L.A. City F.B. Pg 0020
π	1428.508	+11.298	+11.300			Wire Spk in NE Cb Eldridge Ave.
−	0.607		0.450			2' SE of BC C.R. S.E. of Sayre St
TP	1427.901					Spk. Pvmt.
+	5.070		4.898			
π	1432.971	+1.297	+1.296			198 / 066
−	3.773		3.602			
BM 03 05985	1429.198					BM 03 05985 Elev. 1429.132 per
+	11.630		11.673			L.A. City F.B. Pg 0020
π	1440.828	+11.218	+11.221			Wire Spk. NW Cb. Sayre St., 2' SW
−	0.412		0.452			of BC Cb.R. SW of Brussels Ave
TP	1440.416					Spk. Pvmt.
+	6.862		7.023			
π	1447.278	+4.048	+4.048			
−	2.814		2.975			464 / 058
BM 03 06000	1444.464					BM 03 06000 Elev. 1444.406 per
+	11.313		11.435			L.A. City F.B. Pg. 0020
π	1455.777	+10.367	+10.372			Wire Spk in SE Cb. Sayre St., 2' SW
−	0.946		1.063			of BC Cb.R. SW of Lexicon Ave.
TP	1454.831					Spk. Pvmt
+	9.150		9.250			
π	1463.981	+8.350	+8.350			
−	0.800		0.900			
TP	1463.181					Spk. Pvmt.

NOTES RED JOB NO 0095.87 SURVEY OF Pacoima-Hubbard
DATE SURVEY BY Crowe
NOTES CHKD NOTES BY CKC DATE 15 April 64
DATE INDEXED C. J. GAULL DATE

F.B. 2967 PG. 245

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO 00095.87 SURVEY OF Pacoima - Hubbard Loop
SURVEY BY Crowe
NOTES BY CVC DATE 15 April 64
INDEXED C. J. GALLI DATE
NOTES RED DATE
NOTES CHKD. DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Sayre St. DESCRIPTION
TP	1463.181					TP Pg. 245
+	11.258		11.440			
Π	1474.439	+10.878	+10.879			
−	0.380		0.561			
TP	1474.059					Spk. Pvmt.
+	10.933		11.010			
Π	1484.992	+10.570	+10.570			
−	0.363		0.440			
TP	1484.629					Spk. Pvmt.
+	4.810		4.938			
Π	1489.439	+2.627	+2.628			
−	2.183		2.310			
BM 03 00030	1487.256					BM 03 00030 Elev. 1487.256 .043 2.13 per
+	6.827		6.882			L.A. City F.B. Pg 0020
Π	1494.083	+6.349	+6.349			Wire Spk. SW Cb. Garrick Ave., @ BC
−	0.478		0.533			Ref. W. Cor. of Sayre St., S.E end C.B.
TP	1493.605					Spk. Pvmt.
+	11.643		11.744			
Π	1505.248	+11.403	+11.402			
−	0.240		0.342			
TP	1505.008					Spk. Pvmt.
+	10.042		10.272			
Π	1515.050	+9.655	+9.655			
−	0.387		0.617			
TP	1514.663					Spk. Pvmt.
+	11.093		11.177			
Π	1525.756	+10.023	+10.022			
−	1.070		1.155			
TP	1524.686					Spk. Pvmt.

F. B. 290 Pg. 24

76S420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Sayre St DESCRIPTION
TP	1524.686				-	TP Pg. 246
+	10.007		10.066			
Π	1534.693	+8.225	+8.224			
−	1.782		1.842			911 .026
BM 03 06061	1532.911					BM 03 06061 Elev. 1532.885 per
+	10.806		10.867			L.A.City F.B. Pg. 0020
Π	1543.717	+10.214	+10.215			Wire Spk. in SE Cb. Sayre St., 30'
−	0.592		0.652			NE of ℄ Prod. Aults. Ave.
TP	1543.125					Spk. Prmt.
+	11.488		11.645			
Π	1554.613	+10.990	+10.989			
−	0.498		0.656			
TP	1554.115					Spk. Prmt.
+	10.787		10.967			
Π	1564.902	+9.687	+9.687			
−	1.100		1.280			
TP	1563.802					Spk. Prmt.
+	9.520		9.644			
Π	1573.322	+5.610	+5.610			
−	3.910		4.034			
BM 03 06090	1569.412					BM 03 06090 Elev. 1569.396 per
+	4.399		4.547			L.A.City F.B. Pg 0021
Π	1573.811	+1.207	+1.206			Wire Spk. @ ℄ Inter. of Sayre St. and
−	3.192		3.341			Simshaw Ave about 500'± N.E. of
						Aults Ave.
BM 03 06091	1570.619					BM 03 06091 Elev. 1570.607 per
						L.A.City F.B. Pg 0021 F.B. 2967-222
						Wire Spk. in NE Cb. Simshaw Ave., 2'
						SE of BC Cb.R. SE of Sayre St.

Peg check of level = 0.004' @ 200'

NOTES RED JOB NO 09587 SURVEY OF Pacoima-Hubbard Loop
DATE SURVEY BY Crowe
NOTES CHKD NOTES BY CVC DATE 15 April 64
DATE INDEXED C. J. GALL DATE

F.B. 2967 Pg. 247

F. B. 2967 P. Pg. 248

JOB NO. _____ SURVEY OF _____ NOTES RED. _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES CHKD. _____

INDEXED _____ DATE _____ DATE _____

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

Do not extend notes this side of this line

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

F.B. 2967 PG. 249

NOTES RED | JOB NO. 0095.87 | SURVEY OF Pacoima - Hubbard Loop
DATE | SURVEY BY Crowe
NOTES CHKD | NOTES BY CVC | DATE 13 April 64.
DATE | INDEXED C. J. GALLI | DATE

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
PACOIMA CN. - HUBBARD ST. LOOP PRELIMINARY SURVEY Cut-off lines to isolate error of closure from BM 03 06091 Pg. 222 to BM 03 00751 Pg. 238. J.N. 0095.87 April 1964 Note: These cut-off lines were run after checking into BM 03 00751 and before continuing from BM 03 00751 along Foothill Blvd. and up Sayre St. to close back into BM 03 06091.						
				Reference		Party
				L.A. City F.B.	Pg. 0020 0021, 0003	Crowe Newman Spriggs Peterson

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CHECKED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

768420 S & K-333 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue Line DESCRIPTION
BM 03 06091						BM # 03 06091 Elev. 1570.607
						L.A. City F.B. ? Pg 0021
						Wire Spk. in N.E. Cb. Simshaw Ave.,
	1,570.607					2' S.E. of BC CR S.E. of Sayre St.
+	2.230		2.063			
π	1572.837	-5.913	-5.913			
−	8.143		7.976			
TP	1564.694					Spk. Pvmt.
+	3.637		3.775			
π	1568.331	-3.958	-3.957			
−	7.595		7.732			
TP	1560.736					Spk. Pvmt.
+	1.770		1.592			
π	1562.506	-10.096	-10.096			
−	11.866		11.688			
TP	1550.640					Spk. Pvmt
+	0.255		0.393			
π	1550.895	-9.695	-9.694			
−	9.950		10.087			
TP	1540.945					Spk. Pvmt.
+	11.650		11.463			
π	1552.595	+7.298	+7.296			
−	4.352		4.167			
TP	1548.243					1x2
+	4.787		5.097			
π	1553.030	-0.588	-0.586			
−	5.375		5.683			
TP	1547.655					

JOB NO. 0095.87 SURVEY OF Racoima-Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY CVC DATE 10 April 64 NOTES CHKD
INDEXED C. J. GALLI DATE DATE

F. B. 967 PG. 250

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE, OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue line DESCRIPTION
TP	1547.655					TP Pg. 250
+	5.607		5.870			
π	1553.262	- 2.153	- 2.153			
-	7.760		8.023			
TP	1545.502					Spk. Pvmt. Hubbard
+	8.704		8.767			
π	1554.206	+ 6.068	+ 6.067			
-	2.636		2.700			
TBM-1	1551.570					TBM-1
+	1.908		1.822			Hubbard St. @ Shablow, S. Cor. 5' SW
π	1553.478	- 9.934	- 9.930			of S.C.R., a lead & C.E. tag in Cb
-	11.842		11.752			F.B. 2967-200, 223
TP	1541.636					Spk. Pvmt.
+	0.264		0.314			
π	1541.900	- 11.368	- 11.372			
-	11.632		11.686			
TP	1530.268					Spk. Pvmt.
+	0.827		0.907			
π	1531.095	- 9.593	- 9.593			
-	10.420		10.500			
TP	1520.675					Spk. Pvmt. Marchant
+	1.260		1.400			
π	1521.935	- 10.110	- 10.108			
-	11.370		11.508			
TP	1510.565					Spk. Pvmt.
+	0.753		0.703			
π	1511.318	- 10.882	- 10.882			
-	11.635		11.585			
TP	1499.683					Spk. Pvmt.

NOTES CHKD. 1 2 3 INDEXED C. J. GAHL DATE

NOTES BY CYC DATE 10 April 64

SURVEY BY Crowe

JOB NO. 009587 SURVEY OF Pacoima - Hubbard Loop

F.B. 2967 PG. 25

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 0095.87 SURVEY OF Pacoima - Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY CKC DATE 10 April 64 NOTES CHKD.
INDEXED C. J. GALLI DATE DATE

F.B. 2967 PG. 252

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue line DESCRIPTION
TP	1499.683					TP Pg. 251
+	0.492		0.388			
π	1500.175	-10.697	-10.695			
−	11.189		11.083			
TP	1488.986					Spk. Prmt. Marchant
+	0.577		0.772			
π	1489.563	-10.888	-10.891			
−	11.465		11.663			
TP	1478.098					Spk. Prmt.
+	0.198		0.330			
π	1478.296	-11.060	-11.060			
−	11.258		11.390			
TP	1467.038					Spk. Prmt.
+	0.280		0.370			
π	1467.318	-9.728	-9.729			
−	10.008		10.099			
TP	1457.310					Spk. Prmt.
+	0.365		0.427			
π	1457.675	-10.395	-10.395			
−	10.760		10.822			
TP	1446.915					Spk. Prmt. Marchant & Rajah
+	1.670		1.985			
π	1448.585	-8.588	8.588			
−	10.258		10.573			
TP	1438.327					
+	0.907		1.100			
π	1439.234	-9.803	-9.802			
−	10.710		10.902			
TP	1428.524					

765420 S & E-453 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue Line DESCRIPTION
TP	1428.524					TP Pg. 252
+	0.588		0.500			
Π	1429.112	-10.175	-10.175			
−	10.763		10.675			
TP	1418.349					Spk. Prmt. Marchant
+	0.210		0.408			
Π	1418.559	-11.065	-11.065			
−	11.275		11.473			
TP	1407.284					Spk. Prmt.
+	0.458		0.574			
Π	1407.742	-11.212	-11.213			
−	11.670		11.787			
TP	1396.072					Spk. Prmt.
+	0.383		0.184			
Π	1396.455	-11.279	-11.276			
−	11.662		11.460			
TP	1384.793					Spk. Prmt.
+	4.735		4.520			
Π	1389.528	-0.057	-0.058			
−	4.792		4.578			
BM PH-4	1384.736					BM PH-4 Elev. 1384.742 FB. 2967-226
						Marchant Ave., S. edge driveway
						to house # 12500, a Bt. Spk. in L. top Ck.

NOTES RED 1 2 3 JOB NO. 0095.87 SURVEY OF Pacoima-Hubbard Loop
DATE 1 2 3 SURVEY BY Crowe
NOTES CHKD 1 2 3 NOTES BY CVC DATE 10 April 64
DATE 1 2 3 INDEXED C. J. GAHL DATE

F.B. 2967 Pg. 253

F. B. 2907 PG. 257

JOB NO. _____ SURVEY OF _____ NOTES RED: _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES CHKD: _____

INDEXED _____ DATE _____ DATE _____

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

Do not extend notes this side of this line

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

725 LOS ANGELES COUNTY ENGINEERING BLDG.

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76S420 S & E-353 4-54

1384.821
+ 1.822
1386.643
+ 1.905
84.738 vs 1384.742

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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+ 2.185
- 9.316

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue Line DESCRIPTION
BM PH-3	1384.821					BM PH-3 Elev. F.B. 2967-226
+	2.075		1.822			Tibbetts St. W. side, 100' ± N of
Ā	1386.896	9.797	9.798			Marchant Ave., N. edge of driveway to
−	11.872		11.620			house #12501, a Bt. Spk. in L., top Cb.
TP	1375.024					Spk. Cb.
+	2.502		2.635			
Ā	1377.526	7.055	7.055			
−	9.557		9.680			
TP	1367.969					Spk. Pvmt.
+	1.564		1.372			
Ā	1369.533	7.518	7.518			
−	9.082		8.890			
TP	1360.451					Spk. Pvmt.
+	1.522		1.683			
Ā	1361.973	3.798	3.797			
−	5.320		5.480			
TP	1356.653					1X2
+	0.630		0.610			
Ā	1357.283	7.965	7.965			
−	8.595		8.575			
TP	1348.688					1X2
+	0.975		1.117			
Ā	1349.663	6.792	6.793			
−	7.767		7.910			
TP	1341.896					1X2
+	2.044		2.185			
Ā	1343.940	7.131	7.131			
−	9.175		9.316			
TP	1334.765					1X2

NOTES RED ___ JOB NO. 0095.87 SURVEY OF Pacoima-Hubbard Loop
DATE ___ SURVEY BY Crowe
NOTES CHKD ___ NOTES BY CVC DATE 8 April 64
DATE ___ INDEXED C. J. GAIN DATE ___

F.B. 2967 PG. 255

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 00.96.87 SURVEY OF Rancho-Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY CVC DATE 8 April 84 NOTES CHKD
INDEXED C. J. GALL DATE DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	1334.765					TP Pg. 255
+	2.970		3.182			
⊼	1337.735	- 8.032	- 8.031			
−	11.002		11.213			
TP	1326.733					rock
+	7.563		7.760			
⊼	1334.296	+1.465	+ 1.462			
−	6.098		6.298			
TP	1328.198					1X2
+	7.213		7.420			
⊼	1335.411	- 1.650	- 1.648			
−	8.863		9.068			
TP	1326.548					1X2
+	3.030		3.160			
⊼	1329.578	- 8.255	8.255			
−	11.285		11.415			
PC-14	1318.293					PC-14 = S-22A Elev. 1318.263 F.B. 2967 - 234,17
						1X2 + N. (Elev. Pg. 234 = 1318.263).

F. B. 2967 Pg. 234

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

1272.952
+ 1.960
π 74.912
− 2.909
72.003

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue Line DESCRIPTION
PC-14 = S-22A	1318.263					PC-14 = S-22A Elev. 1318.263 F.B. 2967-171,234
+	0.519		0.598			1X2 & N.
π	1318.782	− 8.812	− 8.814			
−	9.331		9.412			
TP	1309.451					Spk Pvmt Pacoima Cñ.
+	0.241		0.349			
π	1309.692	− 10.348	− 10.352			
−	10.589		10.701			
TP	1299.103					Spk. Pvmt.
+	2.508		2.615			
π	1301.611	− 6.927	− 6.928			
−	9.435		9.543			
TP	1292.176					Spk. Pvmt.
+	1.235		1.090			
π	1293.411	− 6.775	− 6.775			
−	8.010		7.865			
TP	1285.401					Spk. Pvmt.
+	1.593		1.451			
π	1286.994	− 5.202	− 5.200			
−	6.795		6.651			
BM PH-7	1280.199					BM. PH-7 Elev. 1280.197 F.B. 2967-
+	1.081		1.022			Maclay St. (abandoned) E. side 0.9 mi
π	1281.280	− 7.247	− 7.249			direct N.E. of Foothill Blvd., 39.2' from
−	8.328		8.271			S-18 Pg 173, a Std. C.E.B.C.B.M. Mon.
						Mkd. "BM PH-7" up 1" (1.4 mi. driving from Foothill via Harding St.)
TP	1272.952					Spk. Pvmt. Maclay
+	2.018		1.960			
π	1274.970	− 6.036	− 6.035			
−	8.054		7.995			
TP	1266.916					Spk. Pvmt.

JOB NO. 0095.87 SURVEY OF Pacoima-Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY CVC DATE 10 April 64 NOTES CHKD
INDEXED J. GALLI DATE DATE

F.B. 2967 Pg. 2

765420 S & E 353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

1288.310
+ 4.329
92.639
- 4.967
1287.672

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue Line DESCRIPTION
TP	1266.916					TP Pg. 258
+	2.751		2.718			
Π	1269.667	- 0.439	- 0.434			
-	3.190		3.152			
TP	1266.477					1X2
+	3.602		3.562			
Π	1270.079	- 2.899	- 2.898			
-	6.501		6.460			
T.P.	1263.578					1X2
+	5.832		5.785			
Π	1269.410	+ 4.433	+ 4.435			
-	1.399		1.350			
T.P.	1268.011					1X2
+	11.560		11.688			
Π	1279.571	+ 11.341	+ 11.346			
-	0.[illegible]9		0.342			
TP	1279.[illegible]52					1X2
+	1[illegible]60		11.101			
Π	1290.[illegible]52	+ 8.958	+ 8.961			
-	2.[illegible]42		2.140			
TP	1288.310					1X2
+	4.398		4.329			
Π	1292.708	- 0.321	- 0.319			
-	4.719		4.648			
TP	1287.989					1X2
+	5.590		5.560			
Π	1293.579	+ 4.371	+ 4.371			
-	1.219		1.189			
TP	1292.360					

NOTES RED JOB NO 0095.87 SURVEY OF Pacoima - Hubbard Resp.
DATE SURVEY BY Crowe
NOTES CHKD NOTES BY CVC DATE 10 April 64
DATE INDEXED C. J. GALL DATE

F. B. 2067 PG. 259

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

1292.011
1291.996
0.015

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue Line DESCRIPTION
TP	1292.360					Pg. 259
+	4.659		4.618			
⊼	1297.019	-0.364	0.367			
−	5.023		4.985			
SYL K-12-E	1291.996					SYL K-12-E Elev. 1292.011 F.B. 2967-216, 236
+	1.917		1.865			B.C. Mon
⊼	1293.913	-9.913	9.915			
−	11.830		11.780			
TP	1282.083					Spk. Pvmt.
+	3.076		3.049			
⊼	1285.159	-6.531	-6.530			
−	9.601		9.579			
TP	1275.552					Spk. & T. Pvmt.
+	2.889		2.839			
⊼	1278.441	-5.862	-5.860			
−	8.751		8.699			
BM PH-8	1269.690					BM PH-8 Elev. 1269.703 F.B. 2967-177, 237
+	4.270		4.435			@ & Inter. Maclay St. & Fenton Ave., a
⊼	1273.960	-4.043	-4.043			Hex. rod in H.H. Mkd. City of L.A. Engr.
−	8.313		8.478			Dn. 0.73' below surface.
TP	1265.647					Spk. Pvmt.
+	2.592		2.464			
⊼	1268.239	-8.731	-8.732			
−	11.323		11.196			
TP	1256.916					Spk. Pvmt.
+	1.120		0.983			
⊼	1258.036	-9.715	-9.715			
−	10.835		10.698			
TP	1247.201					Spk. Pvmt.

JOB NO. 0095.87 SURVEY OF Pacoima - Hubbard Loop NOTES RED
SURVEY BY Crowe DATE
NOTES BY CVC DATE 10 April 64 NOTES CHKD.
INDEXED J. GAIN DATE DATE

F.B. 2967 Pg. 2

76S420 S & [illegible] 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue Line DESCRIPTION
TP	1247.201					TP Pg. 260
+	0.858		0.937			
⊼	1248.059	-10.027	-10.027			
−	10.885		10.964			
TP	1237.174					Spk. Pvmt Maclay
+	0.645		0.725			
⊼	1237.819	-8.852	-8.852			
−	9.497		9.577			
TP	1228.322					Spk. Pvmt.
+	4.903		4.972			
⊼	1233.225	-2.925	-2.925			
−	7.828		7.897			
BMPH-9	1225.397					BM PH-9 Elev. 1225.415 F.B. 2967-238
+	1.970		1.830			Maclay St. & Gladstone Ave., ℄ Inter.,
⊼	1227.367	-9.870	-9.870			a Hex. rod in H.H. Mkd. City of L.A.
−	11.840		11.700			Engr. Dn. 0.90' from surface
TP	1215.527					Spk. Pvmt.
+	1.257		1.158			
⊼	1216.784	-6.765	-6.765			
−	8.022		7.923			
TP	1208.762					Spk. Pvmt.
+	3.083		3.115			
⊼	1211.845	-4.767	-4.767			
−	7.850		7.882			
TP	1203.995					Spk. Pvmt.
+	3.392		3.250			
⊼	1207.387	-5.154	-5.155			
−	8.546		8.405			
TP	1198.841					Spk. Pvmt

NOTES RED. ____ JOB NO. 0095.87 SURVEY OF Pacoima-Hubbard Loop
DATE ____ SURVEY BY Crowe
NOTES CHKD. ____ NOTES BY CVC DATE 13 April 64
DATE ____ INDEXED [illegible] DATE ____

F. B. 2967 PG. 261

76S42[illegible] E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Blue Line DESCRIPTION
TP	1198.841					TP Pg. 261
+	3.575		3.502			
A	1202.416	5.21[illegible]	5.214			
	[illegible]		8.[illegible]			
BM 03 00751	119[illegible]					BM 03 00751 Elev. 1193.5[illegible]
						L.A. City [illegible] Pg. 0003
						Elev. 1193-648 [illegible] 238
						S[illegible] @ [illegible] Foothill
						Blvd. [illegible] St.

JOB NO. 00[illegible] SURVEY OF [illegible] NOTES RED.
SURVEY BY [illegible] DATE
NOTES BY [illegible] DATE 13 [illegible] NOTES CHKD
INDEXED [illegible] DATE DATE

F. B. [illegible] PG. 2[illegible]