Ck'd by	Survey of	F.B. 2384 Pg.
No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

Page	Job	Description
		LUX ARBORETUM - J.N. 0054.00
31	Sec. Lines	T1N R11W Sec. Lines & sub lines of Sec. 14.
24	Topog.	"P" line control for topog. & loc. & elev. of water lines & water source south of Clamshell.
30	Sec. Lines	Chaining & rechaining in SW $\frac{1}{4}$ of Sec. 14.
37	Bdry.	Survey of parcel #2-Thompson's 10 Acres & Schroeders 10 Acres - North Lines.
40	Bdry.	Rechaining along south line Thompsons 1 acre parcel.
52	Loc.Imp.	Loc. of water lines in SW $\frac{1}{4}$ Sec. 14.
64	Bdry.	Survey of Fire Road in SW $\frac{1}{4}$ of Sec. 14, T1N, R11W, for add'l property.
70	B.M.	Bench levels for Vert. Control for P.T. H-62.

Microfilmed Feb. '86

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN Tape Std °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed C. Johnson

F. B. 2384 PG. 5

SURVEY OF

SECTION 14
T1N ~ R11W

FOR

LUX ARBORETUM

CONTINUED FROM
FIELD BOOK
2249

JN 0054.00
JN 0016.01
JN

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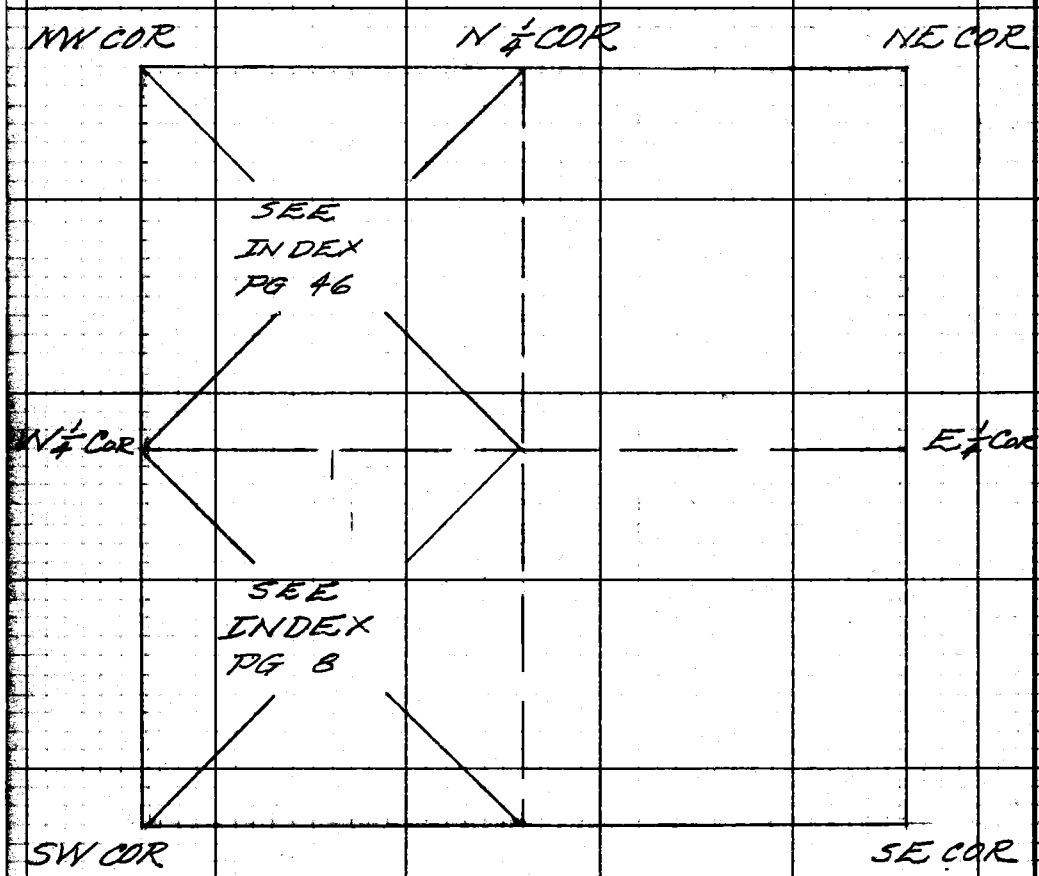
763095 CE #847—7-59

F. B. 2384 Pg. 6

INDEX
SECTION 14
T1N~R11W



SEE FB 2249 FOR BDYS. OF SECTION

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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 12/58
Date	Indexed C. Johnson

F. B 2384 PG. 7

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SURVEY OF
THE
NW 1/4 OF THE SW 1/4
OF
SECTION 14
T1N-R11W
FOR
LUX ARBORETUM
JN 0054.00
JN 0016.01

R.J. Mitchell
L.C. Smiley
M.L. Bustrum
G.R. Merino

Dec. 1958 - Jan 1959

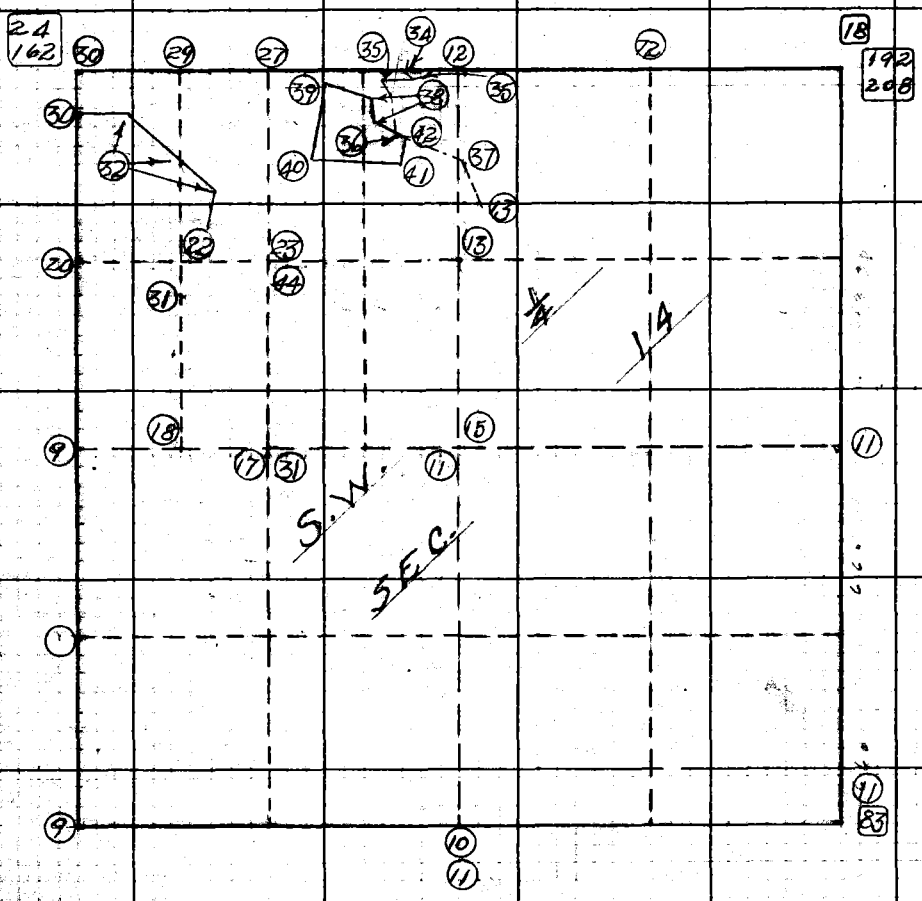
14

763095 CE #247 7-53

F. B. 2384 Pg. 8

INDEX

NOTE:
Page Numbers in circles "27" refer to Field Book 2384 (This book)
Page Numbers in squares "7" refer to Field Book 2249 ~ The survey of the section boundaries



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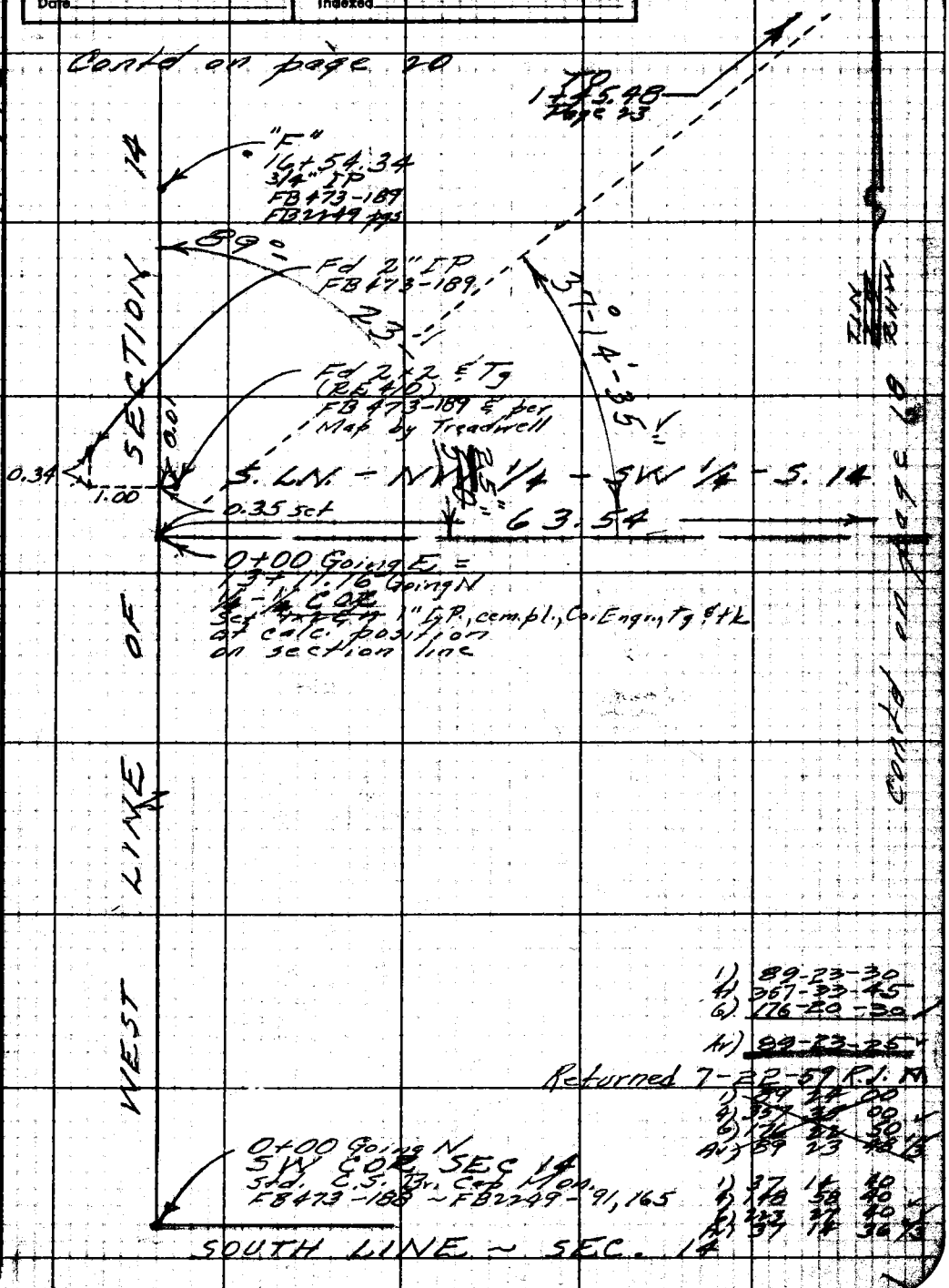
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 12/58
Date	Indexed C. Johnson

F. B. 2384 PG. 9

WS 45 C-3



1) 89-23-30
4) 357-33-45
6) 176-20-30
Av) 89-23-25

Returned 7-22-59 R.J.M.

1) 89 24 00
4) 357 33 00
6) 176 22 50
Av) 89 23 48 1/3

1) 37 14 40
4) 148 58 40
6) 223 27 40
Av) 37 14 36 1/3

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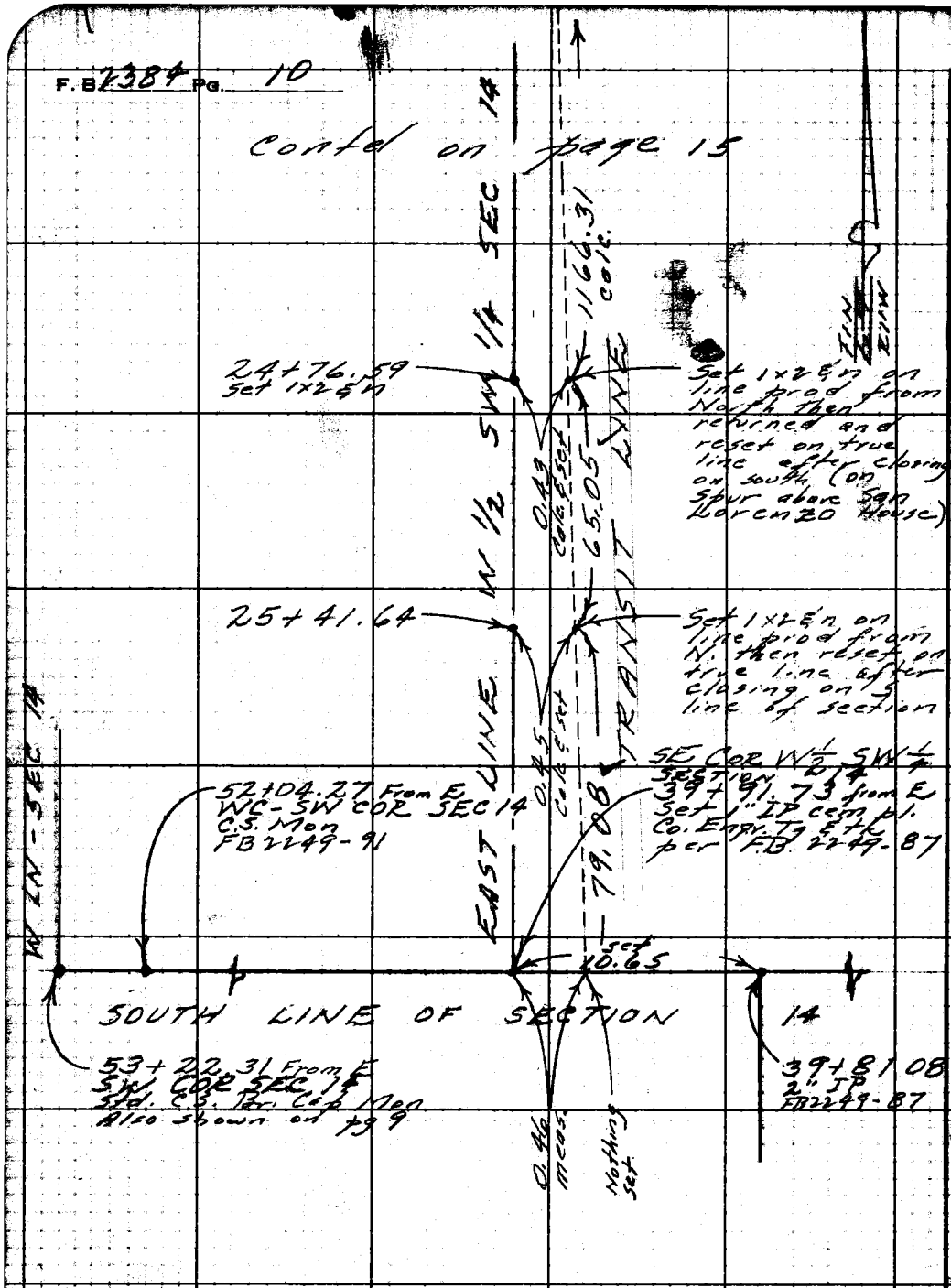
765008 CE #247—7-53

F. B. 2384 PG. 10



1) 95.97 @ 34° 29' 20" (T=64°) = 79.09 ✓
2) 95.25 @ 33 51 40 " = 79.08 ✓
Avg = 79.08 ✓

1) 71.38 @ 24° 17' (T=62°) = 65.05 ✓
2) 70.94 @ 23° 28' " = 65.06 ✓
Avg = 65.05 ✓

WS 45-D3

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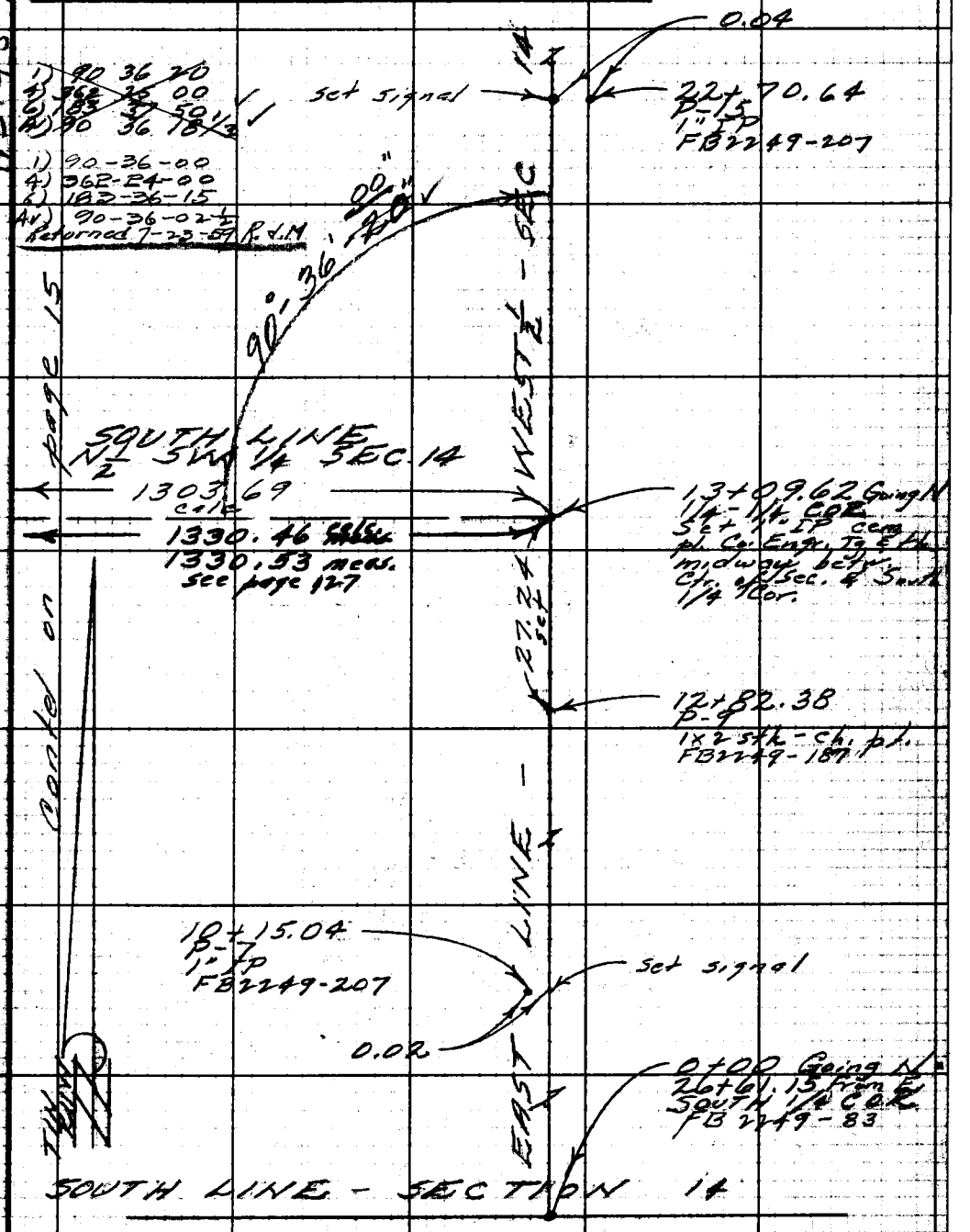
Office Work	Surveyed by R.J. Mitchell
Checked	Notes R.J.M. Date 9-59
Date	Indexed C. Johnson

F. B. 2384 PG. 11



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76F309S CE #247—3-57

F. B. 2384 PG. 12

1) 89 25 30
4) 357 41 30
6) 176 32 20
Avg 89 25 23 1/3

~~1" IP pg.~~

Contd on page 26

39+82.55 W
1/4-1/4 COR
Set 1" IP cem
pl. Tg & Tk up 2"
midway betw
ctr. of sec. & W
1/4 COR = 0+00
GOING SOUTH

CENTER-OF-SECTION LINE
79.86

Set 22.15

37.37 calc.

TRANSIT LINE

Nothing

89°-25'-25"

Set na. 1 @ 90° off TRANSIT LINE and on line thru ctr. of section

34+64.24
1" IP
FB2249-20

40+04.53 Going W
TR/L 28
1x2 EN
FB2249-21

1) 298.35 @ 1°54' (T=74°) = 298.17
2) 298.42 @ 2°20 " = 298.15
Avg = 298.16

1) 95.43 @ 16°16' (T=72°) = 91.60
2) 95.71 @ 16 48' " = 91.62
3) 95.30 @ 15 58 " = 91.61
Avg = 91.61

EAST LINE W 1/2 SW 1/4 SEC. 14

298.16

TRANSIT LINE

0.05 calc. & set

2+98.16
Set 1x2 EN
on crest of
spur

Set 1x2 EN on crest of spur and on random bearing - used for transit line going south. Then returned - removed 1x2 and reset on corrected line

91.61

TIN RIIW

Contd on page 13

WS 45-D3

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Notes Ck'd by	Survey of Lux Arboretum
Map No.	IN 006 Map 126 Sta. 84 °F
Office Work	Surveyed by R.J. McJenell
Checked	Notes M. Fuller Date Jan. 199
Date	Indexed

F. B 2384 Pg. 13

1) 90 35 40
2) 362 24 20
3) 183 35 30
Av) 90 35 38 1/3

W.S. 45-23

Contd from page 12

1) 161.43 @ 16°03 (FEL2°) = 155.12
2) 161.09 @ 15°38 " = 155.11
Avg = 155.11

1) 124.96 @ 11°25 (FEL4°) = 122.47
2) 124.79 @ 11°00 " = 122.48
Avg = 122.47

Set 1x2 sn on transit line going South then returned and reset on true line after closing on S line of Section

1) 21 50 00
2) 87 20 00
3) 131 00 10
Av) 21 50 01 1/3

Fd 2x2 sn No Ref

3+99.77 Set 1x2 sn

Contd from page 37

21-50-00

91.61

S LINE

12.38

155.11

Set 1x2 sn on transit line going South then returned and reset on true line after closing on S line

5+44.88 Set 1x2 sn

Set 1x2 sn on transit line going South then returned and reset on true line after closing on S line

Set 1x2 sn on transit line going South then returned and reset on true line after closing on S line

10+27.29 from NW
6+29.88 Going S
Set 1 1/2 cap on
Co. Engr. 73 E
29.18 E 25.26 N of
1/4 th. cor per
office cala. - Set
1x2 sn over

Contd from page 25

Set 10.1 of Rec. Distance from NW Thence meas. Dist. in possition point set in possition determined by extended closure.

0°35'40"

90

0°19'
N59°E

TRANSIT

S. LINE NE 1/4 NW 1/4 SW 1/4

31.39

6+55.14 Going S
16.54 to cap
Set 1 1/2 cap on
P/L Co. Engr. 1/4 th.
on 1/4 way betw
1/16 th. corners to
North & South - Set
1x2 sn over
= 13+30.09 from West

12.47

20.00

Contd

20.00

6+67.35
Set 1x2 sn

20 FT OFFSET LN.

Set 1x2 sn on transit line from North then returned and reset on true line after closing on S line section

1) 97.58 @ 9°12 (FEL4°) = 96.31
2) 97.42 @ 8°42 " = 96.31
Avg = 96.31

Set 7.79

Set 1x2 sn 20 ft off P/L going West

96.31

Contd on page 14

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783095 CE #247—7-55

F.B. 2384 PG. 14

Contd from page 13

1) 18.09 @ 10°30 (T=60°) = 17.79
2) 18.13 @ 11°09 " = 17.79
Avg = 17.79

~~1) 297.62 @ 11°16' (T=60°) = 291.84~~
2) 297.49 @ 11°04 " = 291.91
3) 297.63 @ 11°13 " = 291.89
4) 297.82 @ 11°25 " = 291.88
Avg = 291.89

1) 109.30 @ 3°43 (T=62°) = 109.05
2) 109.25 @ 3°18 " = 109.05
Avg = 109.05

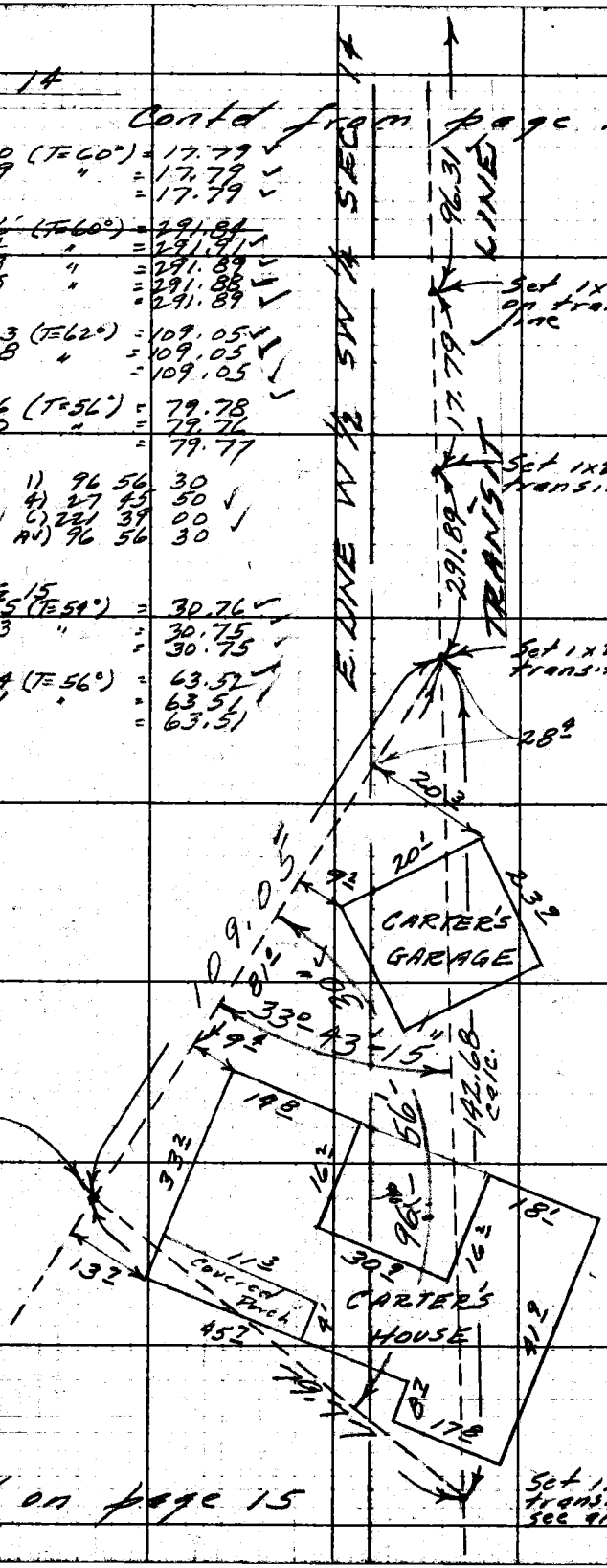
1) 79.95 @ 3°36 (T=56°) = 79.78
2) 79.87 @ 3°50 " = 79.76
Avg = 79.77

1) 33 43 10 1) 96 56 30
2) 137 52 30 2) 277 45 50
3) 202 19 10 3) 221 39 00
Av) 33 43 11 1/3 Av) 96 56 30
4) 33 43 15

SEE PG 15

1) 31.34 @ 10°55 (T=54°) = 30.76
2) 31.18 @ 9°23 " = 30.75
Avg = 30.75

1) 68.88 @ 22°44 (T=56°) = 63.52
2) 69.39 @ 23°41 " = 63.51
Avg = 63.51



Contd on page 15

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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 126 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date Jan. '59
Date	Indexed ~~A. C. Johnson~~

F. B. 2384 PG. 15

WS45-D3

Contd from page 14

1) 130 39 50
4) 162 39 10
6) 63 58 50
Av) 130 39 48 1/3
Adj) 130 39 45
1) 90 36 20
4) 362 25 10
6) 183 37 40
Av) 90 36 16 1/3

TIN
RIW

1x2 E'n pg 14
Set pt. on transit line prod fr. north
Elevated transit to 12 ft above grnd and produced line to South over house of Carter

Set 1x2 E'n
Ch. pt. only

Set 1x2 E'n
by Intersection then corrected to true line

Contd on page 16

1+15.52
Set 1x2 E'n
by transiting-in
(on Carter's Spur)

130° - 39'

45

EAST LINE W 1/2 SW 1/4 SEC 14

TRANSIT LINE

142.68

30.75 pg 14

63.51 pg 14

S. LINE N 1/2 1/4 OF SW 1/4 SEC 14

39.73 — 115.52 — 26.77 — 1303.69

1330.46 calc.

1330.53 meas.
see pg 127

13+10.28 Going S
SE COR NW 1/4 SW 1/4
SEC 14 ~ Set 1" IP
Cem pl. Co. Engr. Tg
& Tk up 2" at Int.
= 0+00 Going W

0.23 calc. & set

1166.31 calc.

90° - 36'

Set 1x2 E'n
by transiting-in
(on Carter's Spur)

Contd from page 11

26.77 @ Lev (T=60°) = 26.77

1) 115.79 @ 3°44 (T=60°) = 115.52
2) 115.72 @ 3°05 " = 115.53
Avg = 115.52

Contd from page 10

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763098 CE #247—7-53

F. B. 2384 Pg. 16

1) 40.87 @ 13°32 (T=56°) = 39.73 ✓
2) 41.17 @ 15°10 " = 39.73 ✓
Avg = 39.73 ✓

1) 78.85 @ 27°17 (T=56°) = 70.07 ✓
2) 79.63 @ 28°20 " = 70.08 ✓
Avg = 70.07 ✓

1) 192.90 @ 30°05'20" (T=64°) = 166.89 ✓
2) 192.77 @ 30 00 20 " = 166.91
Avg = 166.90 ✓

1) 36.46 @ 27°12 (T=64°) = 32.43 ✓
2) 36.98 @ 28 41 " = 32.44 ✓
Avg = 32.43 ✓

1) 227.39 @ 28 06 20 (T=68°) = 200.56 ✓
2) 227.99 @ 28 22 40 " = 200.57 ✓
Avg = 200.56 ✓

TIN
R11W

Contd on page 17

SOUTH LINE NW 1/4 SW 1/4 SEC 14

200.56 32.43 166.90 70.07 39.73

4+24.65 Cut bench & set 1x2 & n ch. pt. on steep hill

3+92.22 Cut bench & set 1x2 & n ch. pt. on steep hill

2+25.32 Cut bench & set 1x2 & n ch. pt. on steep hill

1+55.25 Set 1x2 & n nr. brk of top of steep hill (top of carter's spur)

Contd from page 15

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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 126 Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes Mitchell Date Jan '59
Date	Indexed C. Johnson

F. B. 2384 PG. 17

1) 90 36 10
2) 362 24 30
3) 183 36 50
90 36 08 1/3

8 39 83 047

WS 45-D3

1) 72.00 @ 4° 30 (T=72°) = 71.77
2) 72.29 @ 6° 53 " = 71.76
Avg = 71.76

Contd on page 23

1) 211.84 @ 0° 19' (T=62°) = 211.81
2) 211.86 @ 0° 45 " = 211.81
Avg = 211.81

1) 92.94 @ Level (T=62°) = 92.93
2) 92.98 @ 1° 46 " = 92.93
Avg = 92.93

1) 127.68 @ 32° 52' 40" (T=68) = 107.22
2) 128.11 @ 33 11 10 " = 107.20
Avg = 107.21

Contd on page 18

Contd on page 16

Clover leaf Canyon

Set 1x2 ℄ n on sm. spur

90° - 36' - 10"

30" oak 9" N of Line

Clover leaf (Pt. - dirt)

E. LINE W ½ NW¼ SW¼

Debris Dam

Spillway

92.93

211.81

71.76

200.56

31.93 Set

SOUTH LINE - NW¼ SW¼ - 5.14

107.21

509.66

9+08.78 Set 1x2 ℄ n on spur at W end of debris dam

6+96.87 Set 1x2 ℄ n W end of Clover leaf Road

39.83 m

6+25.21 Set 1x2 ℄ n in bottom of sm draw

DETAIL

1+45.48 S

37° 14' 30"

BASE LINE

665.04

0+00.00 E

39.84 @ Lev (T=58°) = 39.83
31.94 @ " " = 31.93
Total = 71.76

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763098 CE #247—7-53

F.B. 2384 Pg. 18

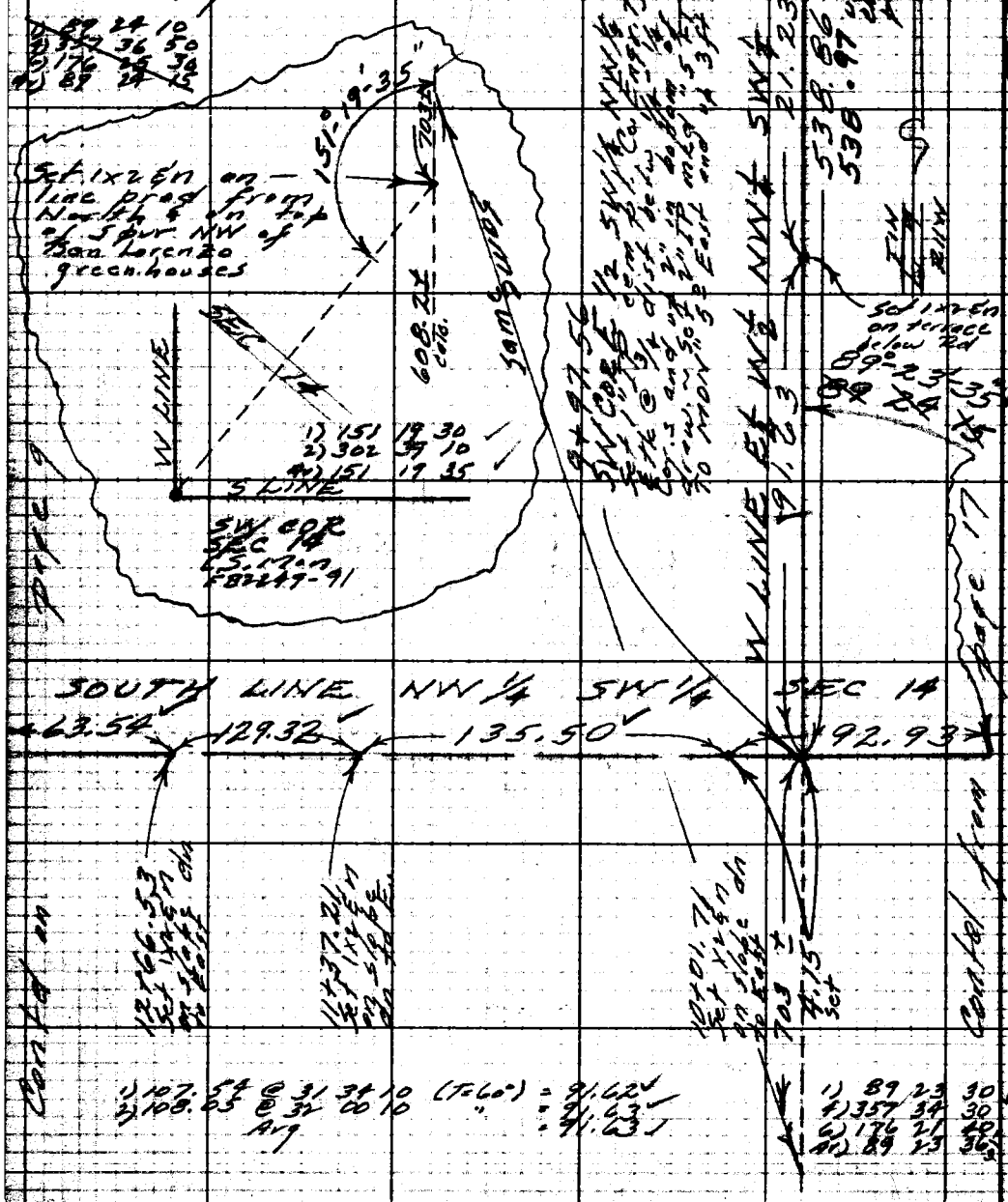
1) 140.85 @ 15°48 (T=62°) = 135.51
2) 141.01 @ 16°02 " = 135.50
Avg = 135.50

1) 142.87 @ 25 07 30 (T=62°) = 129.33
2) 143.43 @ 25 36 20 " = 129.32
Avg = 129.32

1) 64.32 @ 8°53' (T=58°) = 63.54
2) 64.14 @ 7°44 " = 63.55
Avg = 63.54

1) 89 24 10
2) 357 36 50
3) 176 25 30
4) 89 24 15

Contd on page 3



1) 107.54 @ 31 34 10 (T=60°) = 91.62
2) 108.05 @ 32 00 10 " = 91.63
Avg = 91.63

1) 89 23 30
4) 357 34 30
6) 176 21 40
Av) 89 23 36

WS 45-D3

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Map No.	JN 0016.01 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date Jan '59
Date	Indexed A. C. Johnson

F. B. 2384 Pg. 19

SEE PAGES 15-18

RECHAINING ALONG SOUTH LINE

NW 1/4 SW 1/4 SEC. 14

STATION (By First Chaining)	SLOPE DIST.	VERT. ANGLE ° ' "	TEMP.	HORIZ DIST.	CORRECTED STATION
0+00.00					0+00.00
	115 61	1 50	66	115 54	
	115 65	2 25	"	115 54	
		Avg	=	115 54	
1+15.52					1+15.54
	40 79	13 04	66	39 73	
	40 98	14 13	"	39 72	
		Avg	=	39 72	
1+55.25					1 55 26
	79 06	27 35	66	70 06	
	79 68	28 27	"	70 05	
		Avg	=	70 05	
2+25.32					2 25 31
	192 58	29 52 00	74	166 99	
	192 81	30 00 00	"	166 97	
		Avg	=	166 98	
3+92.22					3 92 29
	36 50	27 21	78	32 42	
	36 98	28 45	"	32 42	
		Avg	=	32 42	
4+24.65					4 24 71
	227 44	28 07	78	200 59	
	228 08	28 25	"	200 59	
		Avg	=	200 59	
6+25.21					6 25 30
	~~72 01~~	~~1 04~~	~~82~~	~~72 00~~	
	72 17	6 01	"	71 77	
	72 10	5 34	"	71 76	
		Avg	=	71 76	
6+96.97					6 97 06
	211 95	2 04	82	211 81	
	211 91	1 44	"	211 81	
		Avg	=	211 81	
9+08.78					9 08 87
	93 26	4 48	72	92 92	
	93 17	4 08	"	92 92	
		Avg	=	92 92	
10+01.71					10 01 79
	139 74	14 06	72	135 51	
	139 98	14 31	"	135 49	
		Avg	=	135 50	
11 37 21					11 37 29
	141 35	23 46	72	129 35	
	142 21	24 33	"	129 34	
		Avg	=	129 34	
12 66 53					12 66 63
	63 85	5 10	74	63 59	
	63 96	6 12	"	63 59	
		Avg		63 59	
13 30 07					13 30 22

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76F309S CE #247—3-57

F.B. 2384 Pg. 20

1) 157 07 00
4) 268 27 50
6) 222 41 50
Av) 157 06 58⅓

26+22.33
1-4 CORNER (W)
C.S. Mon
FB 473-190
FB 2249-24

SECTION 14

19+67.19 Going North
Fd 2" IP pl. & tk
FB 473-190 ~ Prob. set
by Gierlich but No Rec.

1.65 set

Nothing set

Fd 2x2 Tg & Tk
RE 410 per Map
by Treadwell for
Schroeder

0.45 set

0.06

89°42' set

SOUTH LINE N½ NW¼ SW¼
SECTION 14

51.39

157°-07'-00"

(20)

0+00 Going East
19+66.74 From South
Set IP
Cem pl. Co. Engr
Tg & Tk up 2" and
at 3/4 dist fr. SW
Sec. Cor to W¼ Cor

90°-00'-00"

Too steep to chain
20.00 set

47.34 calc.
47.55 calc.

86.44

20 FT OFFSET LINE

Set 1x2 & n
by int.

0°18'
calc.

Sight on

WEST LINE

0+47.34-20 OFF
Set 1x2 & n and
adjusted same to
20.00 off from P/L

1) 89 24 00
4) 357 35 30
6) 176 23 20
Av) 89 23 53⅓

~~1) 89 23 20~~
~~4) 357 32 40~~
~~6) 176 19 00~~
~~Av) 89 23 10~~

Contd on page 21

1) 55.70 @ 22°40 (T=64°) = 51.39'
2) 55.30 @ 21°39 " = 51.39'
Avg = 51.39'

1) 93.80 @ 24°50 (T=69°) = 86.44'
2) 93.47 @ 24°20 " = 86.45'
Avg = 86.44'

T1N
R11W

Contd from page 9

WS 45-C3

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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date Jan '59
Date	Indexed [illegible] C. Johnson

F.B. 2384 Pg. 21

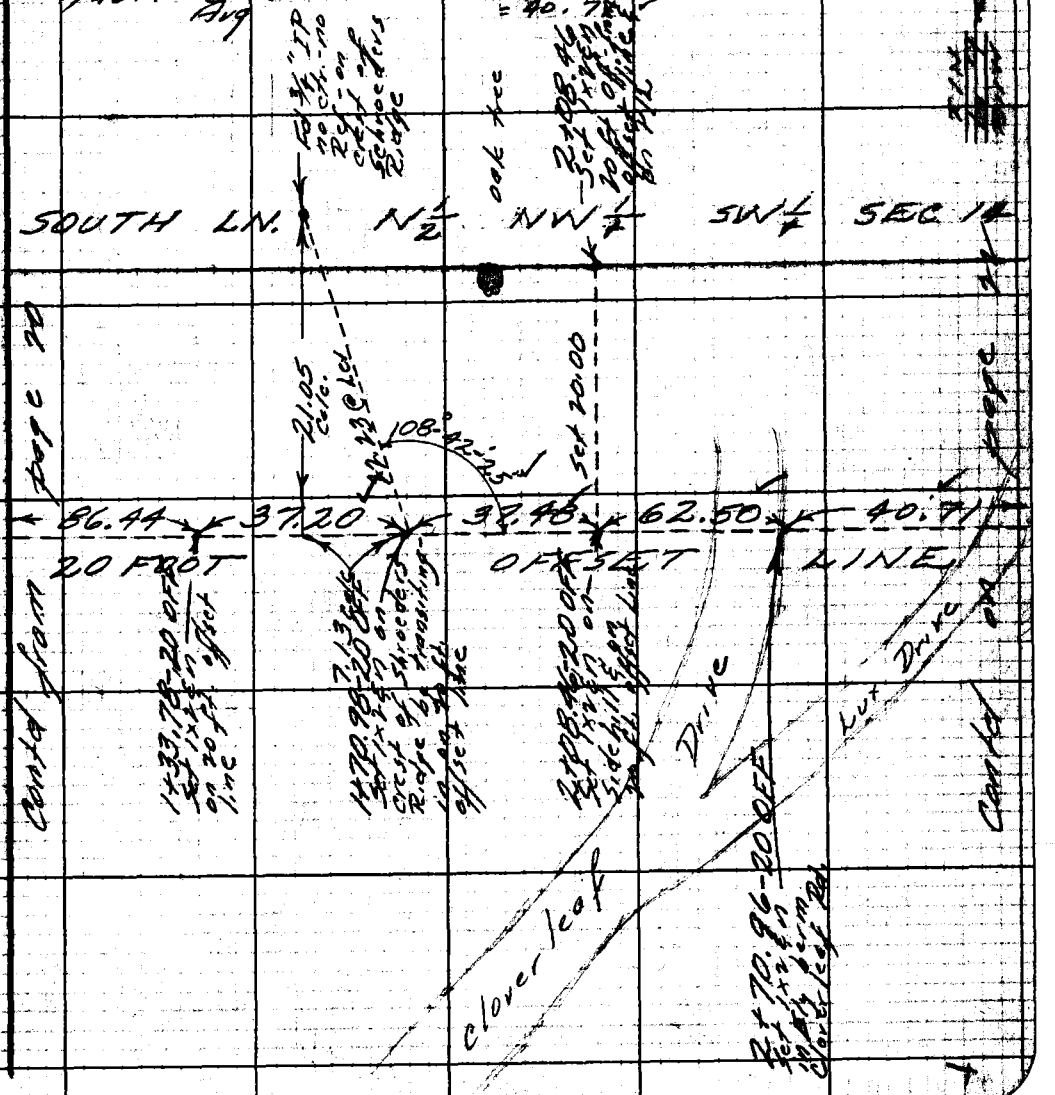
1) 108 42 20 ✓
2) 217 24 50 ✓
Av) 108 42 25 ✓

1) 37.31 @ 4°18' (T=66°) = 37.20 ✓
2) 37.55 @ 7°42 " = 37.21 ✓
Avg = 37.20 ✓

1) 38.57 @ 13°37 (T=64°) = 37.49 ✓
2) 38.79 @ 14°55 " = 37.48 ✓
Avg = 37.48 ✓

1) 72.03 @ 29°46'20" (T=66°) = 62.51 ✓
2) 72.65 @ 30 38 00 " = 62.50 ✓
Avg = 62.50 ✓

1) 45.66 @ 26°54 (T=64°) = 40.71 ✓
2) 46.16 @ 28 06 " = 40.71 ✓
Avg = 40.71 ✓



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RETURN TO
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76F309S CE #247—3-57

F.B. 2384 Pg. 22

1) 106.42 @ 12° 32 (T=56°) = 103.86
2) 106.85 @ 13 32 " = 103.86
Avg = 103.86

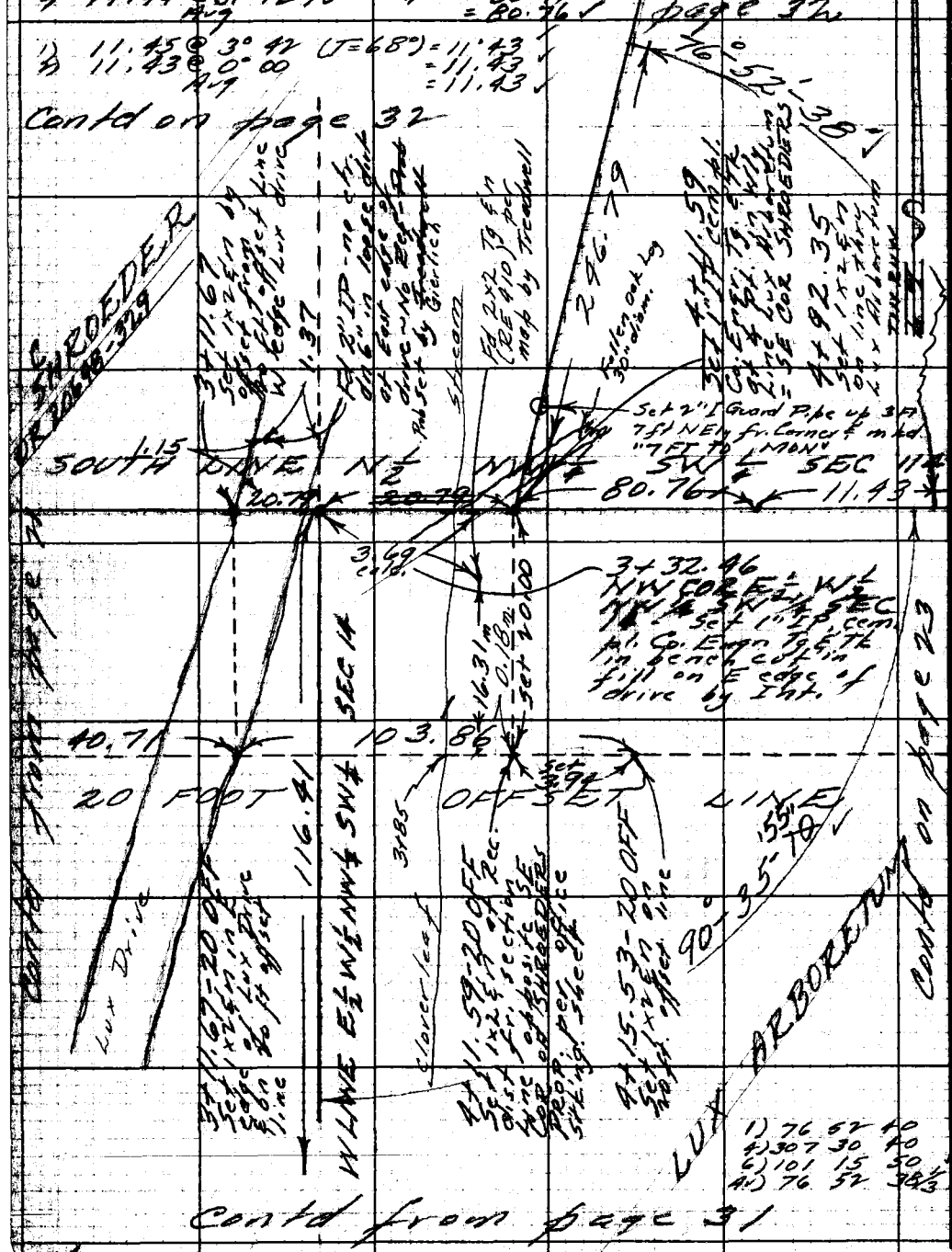
1) 95.43 @ 32° 10' 50" (T=66°) = 80.76
2) 94.44 @ 31 12 10 " = 80.77
Avg = 80.76

1) 11.45 @ 3° 42 (T=68°) = 11.43
2) 11.43 @ 0° 00 = 11.43
Avg = 11.43

Contd on page 32

1) 90 35 00 36 00
4) 362 20 30 23 40
6) 183 31 00 35 30
Av) 90 35 10 35 55

Contd. on page 32



1) 76 52 40
4) 307 30 40
6) 101 15 50
Av) 76 52 38⅓

Contd from page 31

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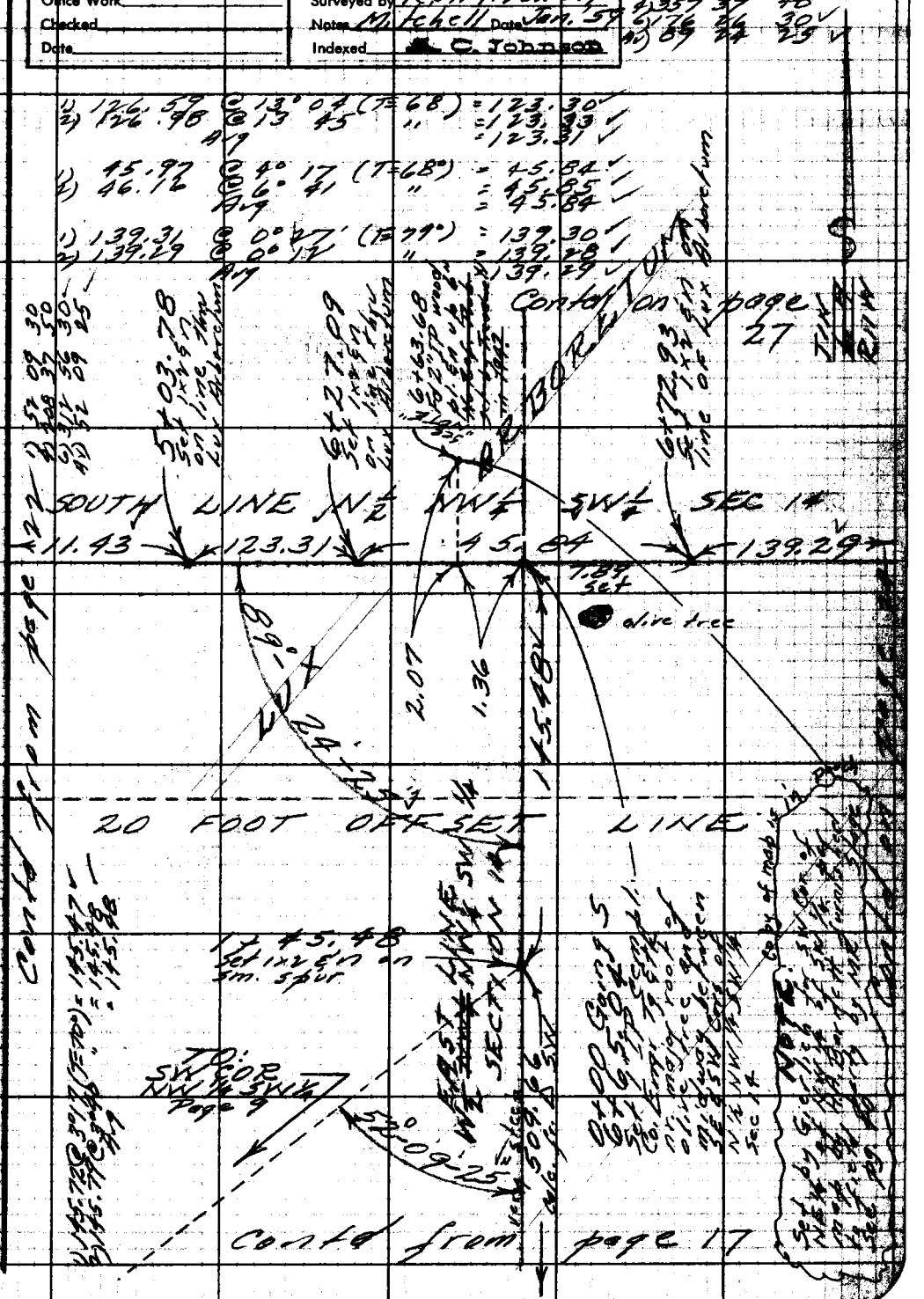
Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 176 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes M. Mitchell Date Jan. 59
Date	Indexed C. Johnson

F. B. 2384 Pg. 23

1) 89 24 30
4) 357 37 40
6) 176 26 30
AV) 89 24 25



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76F3095 CE #247—3-57

F. B. 1384 Pg. 24

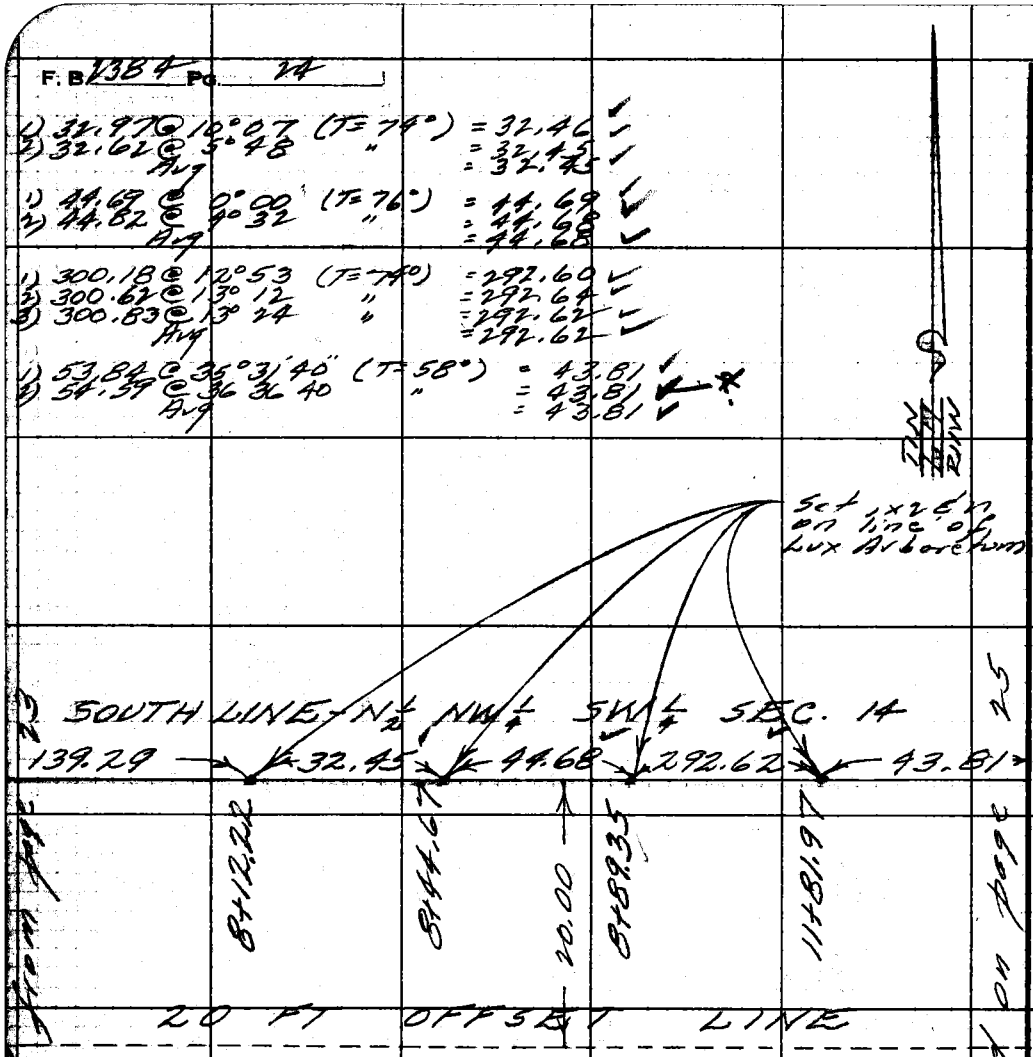
45.14

1) 32.97 @ 10°07 (T=74°) = 32.46
2) 32.62 @ 5°48 " = 32.45
Avg = 32.45

1) 44.69 @ 0°00 (T=76°) = 44.69
2) 44.82 @ 4°32 " = 44.68
Avg = 44.68

1) 300.18 @ 12°53 (T=74°) = 292.60
2) 300.62 @ 13°12 " = 292.64
3) 300.83 @ 13°24 " = 292.62
Avg = 292.62

1) 53.84 @ 35°31'40" (T=58°) = 43.81
2) 54.59 @ 36 36 40 " = 43.81
Avg = 43.81



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Office Work
Checked
Date

Survey of Lux Arboretum
JN 00160A Tape 126 Std 84 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date Jan. '59
Indexed C. Johnson

F. B. 2384 Pg. 25

1) 45.88 @ 23 34 (T=60°) = 42.04
2) 46.32 @ 24 47 " = 42.04
Avg = 42.04

1) 33.35 @ 23 00 (T=58°) = 30.69
2) 33.81 @ 24 51 " = 30.67
3) 33.53 @ 23 46 " = 30.66
Avg = 30.68

1) 32.00 @ 9 12 (T=60°) = 31.59
2) 32.20 @ 11 07 " = 31.60
Avg = 31.59

Set 1x2 E.N. on line of Lux Arboretum

SOUTH LINE N½ NW¼ SW¼ SEC 14

43.81 — 42.04 — 30.68 — 31.59

12+25.75 — 20.00 — 12+67.82 — 12+98.50

20 FOOT OFFSET LINE

Contd from page 24

Contd on page

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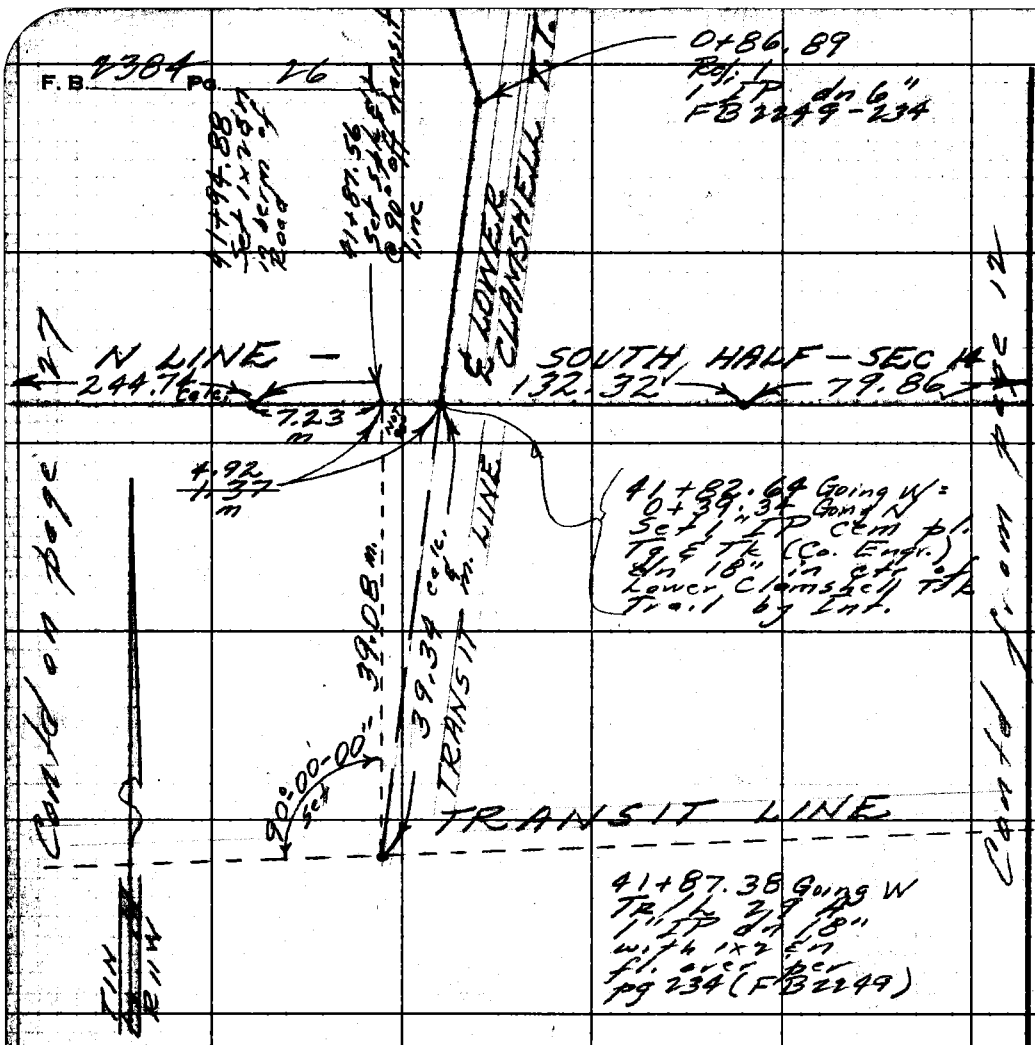
76F309S CE #247—3-57

F.B. 2384 Pg. 26



1) 155.12 @ 31°27'00" (T=70°) = 132.32
2) 154.37 @ 30 59 30 " = 132.32
Avg = 132.32

1) 84.45 @ 18°59 (T=70°) = 79.85
2) 84.83 @ 19°40 " = 79.87
Avg. 79.86

NOTE: For ℄ Lower Clamshell Truck Trail
Going N & W See FB 2249-234
" S & E See This Book pgs. 34-37

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Map No.	JN 0016.01 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 2/59
Date	Indexed C. Johnson

F. B. 2384 Pg. 27

1) 89 25 50
4) 357 42 50
6) 176 34 30
4v) 89 25 45

W.S. 45-D3

Line Prod fr. South
Set 1x2 ft @ S edge
of Firebreak 300 ft
N to turn angle

89°25' Fd 2" IP wood pl. E ⅓ (up 8")
No Ref. - Probably set
by Treadwell on Survey
for Schroeder

NORTH LINE - SOUTH HALF - SEC. 14

2.96

21.94 8.39 199.67 244.74 (cut)

10.46

30.33

46+47.68 Going W
NE Cor NW¼ NW¼ SW¼
Set 1" IP cemp.
Co. Engr. Tg ETR in
cut bench on
side slope E up 2"
midway betw. adj.
1/4-1/4 Cors. E & W
Fd same to fall on
line prod. from south
& Set: 2" Guard Pipe
(Up 3 ft) 5 ft. W'ly
E on line, mkd.
"5 FT. TO MON."

Contd on page 28

TIM RHW

46+39.29
Set 1x2 ft
on line thru
Ctr. of Sec.

46+39.62
Set 1x2 ft
on line thru
Ctr. of section
on shoulder of
Lux Cabin spur

Contd from page 26

E LINE W½ NW¼ SW¼ SEC 14

8.39 @ Lev (T=76°) = 8.39
1) 200.39 @ 4°45 (T=70°) = 199.68
2) 200.30 @ 4°30 " = 199.66
Avg = 199.67

Contd from page 23

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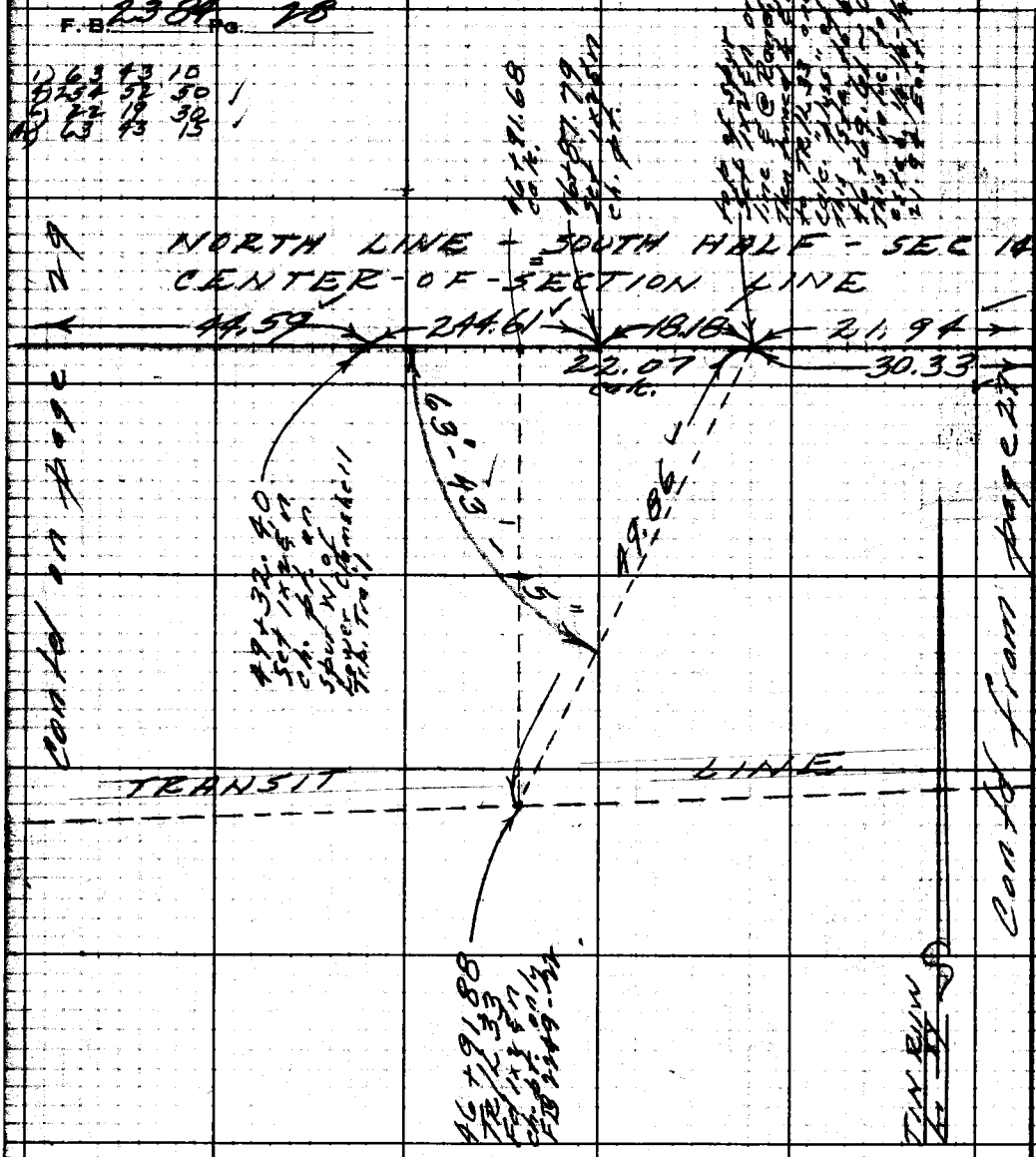
763C98 CE #247—7-58

F.B. 2384 Pg. 28

1) 63 43 10
2) 254 52 50
3) 22 19 30
4) 63 43 15



21.94 @ Lev (T=78°) = 21.94

1) 33.23 @ 24°08 (T=76°) = 30.33
2) 33.64 @ 25°39 " = 30.33
Avg = 30.33

1) 45.14 @ 8°57 (T=76°) = 44.59
2) 45.70 @ 12°37 " = 44.60
Avg = 44.59

1) 249.71 @ 11°35 (T=76°) = 244.61
2) 249.89 @ 11°47 " = 244.61
Avg = 244.61

18.18 @ Level (T=80°) = 18.18

1) 58.37 @ 31 18 40 (T=78°) = 49.87
2) 57.76 @ 30 19 20 " = 49.85
Avg 49.86

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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016-01 Tape 126 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date Jan 59
Date	Indexed A. C. Johnson

F. B. 2384 Pg. 29

5.21 m
3.25 S
1.96 Diff

289.73
3.02
292.80

W.S. 45-D3

Fd 2" IP wood pl. & n up 6" - No Ref - Prob set by Treachwell on survey for Schroeder

NORTH LINE SOUTH ½ SEC 14.

← 277.89 calc. → 57.93 → 44.59 →

2.76

Contd on page 30

Set 34.92 Set 1x2 & n

49+80.24 Going W NW Cor E½ W½ NW¼ SW¼ Set 1" IP Cem. pl. Co. Engr. Set 1" IP Cem. pl. Co. Engr. Set 1" IP Cem. pl. Co. Engr. Set 2" I. Guard Pipe up 3 ft 5 ft Ely along line & mkd "5 FT TO MON"

1.96

Set 3.25

49+76.99 Set 1x2 & n on ctr of sec line on spur

TIN

Contd from page 28

W LINE E½ W½ NW¼ SW¼ SEC 14

289.78

Set 1x2 & n in road

3.02

1) 58.15 @ 4°46 (T=70°) = 57.94
2) 58.02 @ 3°00 " = 57.93
Avg = 57.93

1) 299.81 @ 19°00 (T=60°) = 288.44
2) 299.45 @ 18°49 " = 283.43
Avg = 283.43
6.35 @ Level (T=60°) = 6.35
Total = 289.78

Contd from page 32

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76F309S CE #247—3-57

F.B. 2384 Pg. 30

1) 90 00 00
2) 360 00 00
3) 180 00 00
4) 90 00 00

26+23.03
Fd 1x2 & n
FB 473-191

W 1/4 COR SEC 14
C.S. Mon.
53+12.81 fr. E
26+22.33 fr. S
FB 473-190
FB 2249-24
also shown on page 20 this book

SCHROEDER
SW 1/4 SW 1/4 NW 1/4
SEC - 14

N LINE S 1/2 SEC 14
277.89 calc.

STATE OF CALIF.

TIN
R11W

Contd from page 29

W545-D3

Fd S.E. Cor of White Hp. (1 g. windows in steel frames) to be at Rec. Brng. fr. Sec.

90°-00'

131.68

LINE

141.89 set @ Record

138.89

SECTION 14

0.50

24+91.35
1x2 & n
Fd. lying flat

1/2 mi ±

12.55

0.36

59.33

96.29

2.44

Fd 2x2 Tg (LS 410) & n per map by Treadwell

3.00

N. LINE D-20648-329

170.72 set Record

Falls in clump of Calif. Holly bushes (trees) Nothing set @ Rec Dist fr. 1/4 Cor

1) 105.83 @ 2°53' (T=60°) = 105.67
2) 105.77 @ 2°28 (T=60) = 105.67
3) 105.89 @ 3°38 " = 105.65
Avg = 105.67
1) 38.80 @ Level (T=66°) = 38.80
2) 39.73 @ 12°29 " = 38.79
Avg = 38.79
Total = 144.46
Less Back = 2.57
Set Nothing @ Record = 141.89
Less 3.00
to Offset Line = 138.89

1) 61.30 @ 14°31 (T=62°) = 59.33
2) 61.51 @ 15 15 " = 59.33

Contd on pg. 32

Set 1x2 & n 3.00 off NW Cor
Schroeder's House Lot ~ D:
20648-329 i.e. @ 141.89 minus
3.00 = 138.89 Sly from C.S. Mon
@ 1/4 COR falls in sm. bench cut
in bank of terrace

3 FOOT OFFSET

WEST LINE

SCHROEDER =
OR 20648-329

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

Survey of Aux Albarretum
JN 0016.01 Tape 116 Std 84 °F
Surveyed by R.E. Mitchell
Notes Mitchell Date 2/59
Indexed C. Johnson

F. B. 2384 Pg. 31

Cont'd on page 22

Lower Chaskell Truck Trail

Ranch Drive

1.16.91

1) ~~[illegible] @ [illegible] (T=68) [illegible]~~
2) 108.040 @ 12°56 " = 108.24
3) 108.19 @ 13°17 " = 108.24
Avg = 108.24

1) 82.98 @ 1°34 (T=64) = 82.94
2) 82.95 @ 0°57 " = 82.93
Avg = 82.93

Set 1x2 4n 1'E of edge of Lower Chaskell Truck Trail and at head of Lux Drive

1) 23.480 @ 25°15 (T=60) = 21.28
2) 23.82 @ 26°37 " = 21.23
Avg = 21.23

1) 116.56 @ 2°39 (T=50) = 116.47
2) 116.63 @ 3°11 " = 116.42
Avg = 116.41

~~1) 29 17 50 1) 61 18 20~~
~~4) 117 11 30 4) 245 13 00~~
~~6) 175 49 10 6) 367 49 20~~
~~Adj) 29 17 51 Adj) 61 18 15~~
~~Adj) 29 17 40 Adj) 61 18 05~~

oak tree

SEC

Calif. Trans.

29°18'10"

62°32'10"

31°50'50"

Set 1x2 4n on s. edge of left of Width of road - for step to continue chaining North

538.88

538.98 Sec 19 T1S R6E

Set 1x2 4n in berm of Clovertenf Dr. S. side

61°18'15"

58°45'35"

S Ln. NW¼ SW¼ S 16

S Ln. NW¼ SW¼ S 16

WEST LINE E½ NW¼ 21.23

Set 1x2 4n

1) 29 18 10
4) 117 11 50
6) 175 49 10
Adj) 29 18 11 1/3

1) 2 32 50
4) 10 11 20
6) 15 16 40
Adj) 2 32 46 2/3
Adj) 2 32 40

1) 31 51 00
4) 117 23 30
6) 181 05 10
Adj) 31 50 51 2/3

1) 61 18 20
4) 245 12 40
6) 367 49 00
Adj) 61 18 10
Adj) 61 18 15

1) 58 45 40
4) 235 02 50
6) 351 33 50
Adj) 58 45 35 1/3
Adj) 58 45 35

Cont'd from page 18

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76F309S CE #247—3-57

10

F.B. 2384 PG. 32

Cont'd. on page 29

1) 47 21 20
4) 169 25 20
6) 234 07 40
8) 47 21 163
Turned to short steep sight

Set 1x2 6n by Int.

Set signal on line prod.

Set 1x2 6n ch. pt.

0.49

96.29

15.10

Set 1x2 6n @ deed dist & brng fr. Sec. Lin. & on 3 ft. offset to North

6.00 t

FOR CHAINING SEE PG 33

2.40

Set 3.00

170.72

Set 2x2, T.G. (No. 40) 6n per map by Treadwell

1+70.72 fr. W. Set 1" IP cem pl. Co. Engr. T.G. & Tk. @ Rec. Brng & Dist from 1/4 Cor W & N per D. 20648-329 1=3+98.48 fr. SE

Set 1x2 6n on pilk per table below left

Set 1" IP cem pl. Co. Engr. T.G. & Tk. dn. 18" & set 1x2 6n flush or in L.C. flush. T.T. by Int.

2+46.79 fr. SW. Set 1" IP cem pl. Co. Engr. T.G. & Tk. @ Rec. Brng & Dist fr. SE Cor of Parcel 2 0+00 Going NW

D: 20648-329

Set 1x2 6n on Random Line

Set 2" IP 6d. Pipe up 3 ft. 5 ft. to mon.

DIST	STA.	COER
	0+00	0.00
1) 88.03 @ 16°27 (T=52°) = 84.41		
4) 88.31 @ 17°03 " = 84.41		
Avg = 84.41	0+84.41	0.44
1) 56.75 @ 27°21 (T=56°) = 50.40		
4) 57.17 @ 28°22 = 50.39		
Avg. = 50.39	1+34.80	0.70
1) 43.31 @ 20°00 (T=56°) = 40.69		
4) 43.68 @ 21°16 " = 40.70		
Avg = 40.69	1+75.49	0.91
1) 67.81 @ 17°54 (T=60°) = 64.52		
4) 68.16 @ 18°03 " = 64.51		
Avg = 64.51	2+40.00	1.44
1) 99.08 @ 15°33 (T=60°) = 95.44		
4) 99.46 @ 16°21 " = 95.43		
Avg. = 95.43	3+35.43	1.73
1) 63.54 @ 6°46 (T=60°) = 63.09		
4) 63.65 @ 7°39 " = 63.07		
Avg = 63.08		
63.08 corrected 2.06 to Rand. Line = 63.05	3+98.48 .51	2.06 m.

1) 47 40 40
4) 190 42 20
6) 286 03 10
8) 47 40 36
Turned to short steep sight (left)

Cont'd from page 22

1) 119 48 50
4) 119 16 00
6) 358 53 30
8) 119 48 55
Turned to short steep sight

Sec 1 Twp 3 Rng 14 W

Sec 1 Twp 3 Rng 14 W

Sec 1 Twp 3 Rng 14 W

Sec 1 Twp 3 Rng 14 W

Sec 1 Twp 3 Rng 14 W

Sec 1 Twp 3 Rng 14 W

Sec 1 Twp 3 Rng 14 W

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Sec 1 Twp 3 Rng 14 W

Sec 1 Twp 3 Rng 14 W

Sec 1 Twp 3 Rng 14 W

Set 2" IP 6d. Pipe up 3 ft. 5 ft. to mon.

See pg 33 for chaining

246.

Sec 1 Twp 3 Rng 14 W

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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 001601 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes M. Mitchell Date
Date	Indexed C. Johnson

F. B. 2384 Pg. 33

pg 20

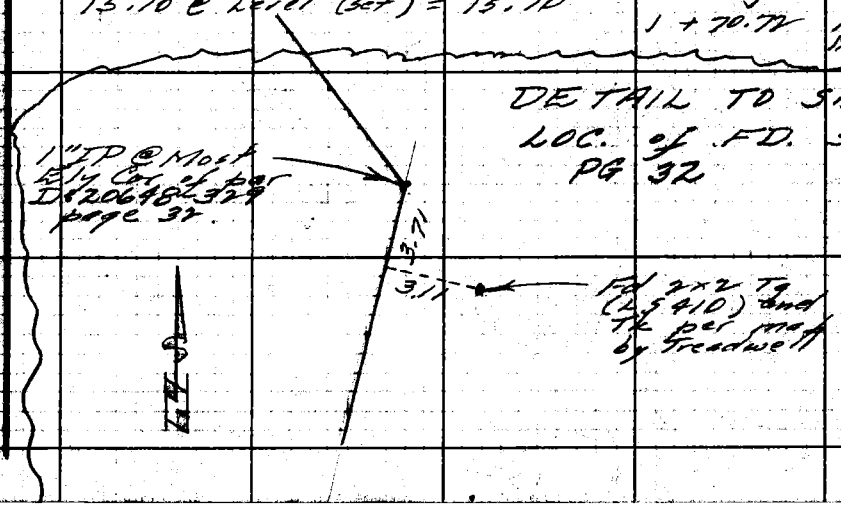
Chaining Along Line Shown
on page 32
(Ely Line of D 20648-329 = Schroeder)

Distance		STATION	SET
		0+00.00	1" IP
1) 87.39 @ 8°16 (T=54°)	= 86.46		
2) 87.23 @ 7°33 "	= 86.45		
Avg	= 86.45	0+86.45	1x2 & n
1) 114.99 @ 4°44 (T=54°)	= 114.58		
2) 115.08 @ 5°10 "	= 114.59		
Avg	= 114.58	2+01.03	1x2 & n
1) 42.35 @ 11°00 (T=54°)	= 41.56		
2) 42.46 @ 11°47	= 41.56		
Avg	= 41.56	2+42.59	1x2 & n
4.20 @ Level	= 4.20	2+46.79	1" IP @ Rec. Dist & Bmg

Chaining Along North Line
OF D: 20648-329
Shown on PG. 32

		0+00	1x2 & n 3ft off
59.33 see page 30	= 59.33	0+59.33	1x2 & n 3ft off
1) 96.89 @ 6°16 (T=56°)	= 96.29		
2) 96.77 @ 5°35 "	= 96.29		
Avg	= 96.29	1+55.62	1x2 & n 3ft off
15.10 @ Level (set)	= 15.10	1+70.72	1" IP and 1x2 & n 3ft off

DETAIL TO SHOW
LOC. of FD. STK.
PG 32



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76F3093 CE #247—3-57

F.B. 2984 Pg. 34

Returned 7-10-59
1) 79 42 00
2) 318 46 30
3) 118 10 00
4) 79 41 40

ESTABLISHING CENTERLINE OF SIXTEEN FOOT RDWY. DESCRIBED IN OR 3677 - 366 ~ Doc. No. 1603

Set 1" IP cem pl. & Br. Br. dn 18" (in 2 in. off) over) at Rec. Dist fr. W 1/4 Cor and on line parallel to So. line Sec. = true point of beginning

NOTE: Set Lg. W. spk & Et at each EC & BC at calc. Tan dist from P.I. ~ pgs 34-37

Set nail 0.40 N of N line S 1/2 Sec. 14 on line parallel to S. line section

Set nail 0.40 N of N line S 1/2 Sec. 14 on line parallel to So. line section

N 89°04'30E 3.72
Basis of Brngs. set

Set 0.40 N LINE ~ S 1/2 ~ S 14

49+80.24 Going W
1" IP @ NW Cor E 1/2 W 1/2 NW 1/4 SW 1/4 Sec 14
pg 14

41+82.64 Going W
= 0+39.34 Going N
1" I.P. ~ pg 26

1) 80 41 00
2) 324 24 10
3) 124 05 50
4) 80 20 50 1/2

Set 1" IP cem pl. lg & tk dn 18" below surf sec of dirt rd. Tan. & Set 2" I. Guard Pipe 10 ft W along line up 3 ft. in berm of Rd. & Mkd "10 FT TO MON"

1) 39 13 30
2) 136 53 50
3) 235 21 00
4) 39 13 30
Surf) 140 46 30

Set in Rec. Brng & calc. dist from true point of beginning

Δ = 39°13'30
R = 50
T = 17.82
L = 34.23

N 59°E

28.42 @ Ler (T = 74°) = 28.42

0+28.42
Set 1" IP cem pl. Co. Engr. lg & tk dn 18" at Rec. Brng & Dist Rec. OR 3677-366 (Adj. position to fit office calc.)

130.35 @ Ler (E 74°) = 130.35

1) 79 41 30
2) 318 46 10
3) 118 09 00
4) 79 41 30

Cont'd on page 35

CLARKSVILLE T.T.

28.42
N 23°00'E
130.35
S 50°E
46°30'
140°
N 23°E

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LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

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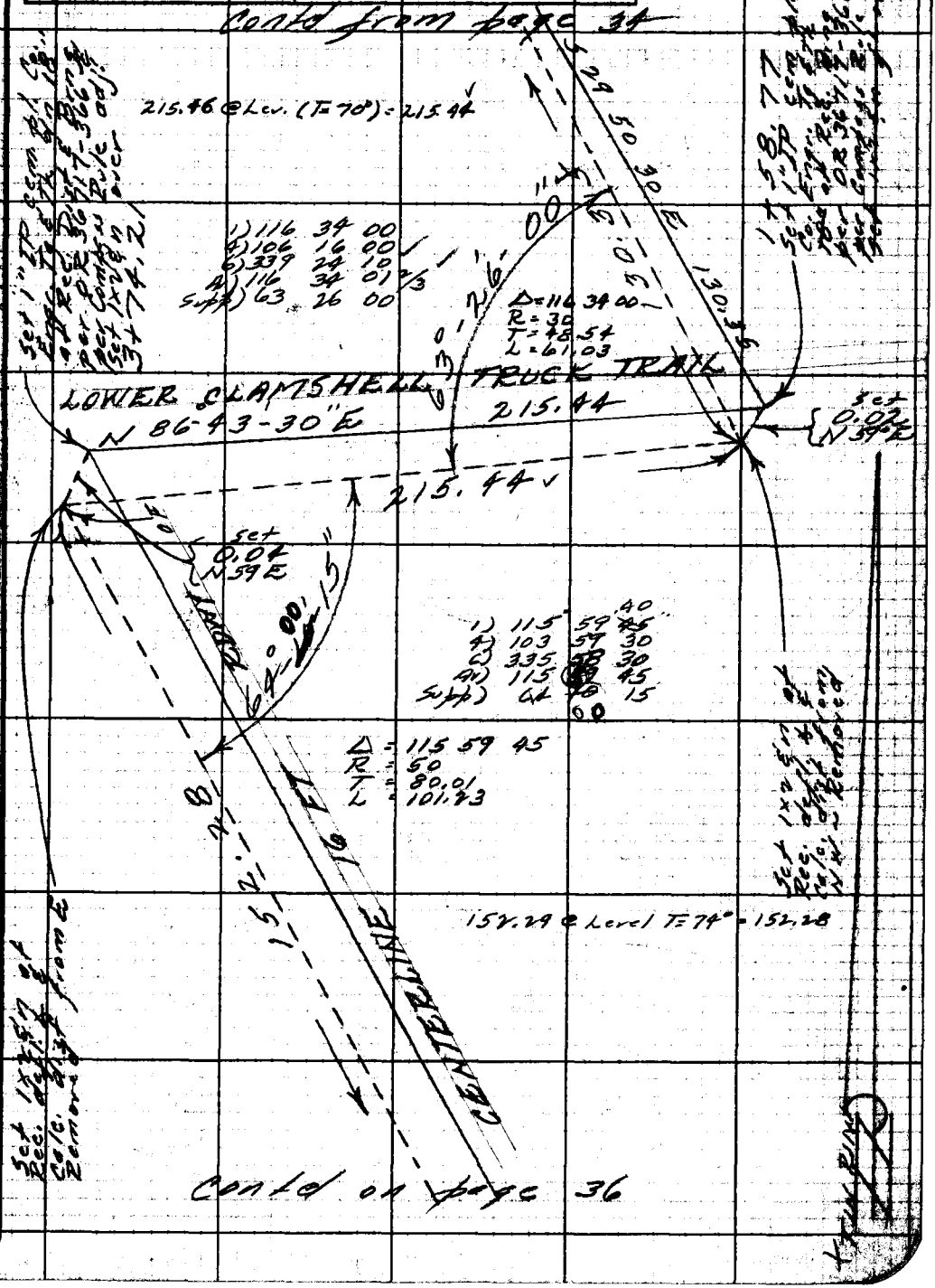
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 176 Std 84 °F
Office Work	Surveyed by F. J. Mitchell
Checked	Notes Mitchell Date 3/59
Date	Indexed A. C. Johnson

F. B. 2384 Pg. 35

Contd from page 34



Contd on page 36

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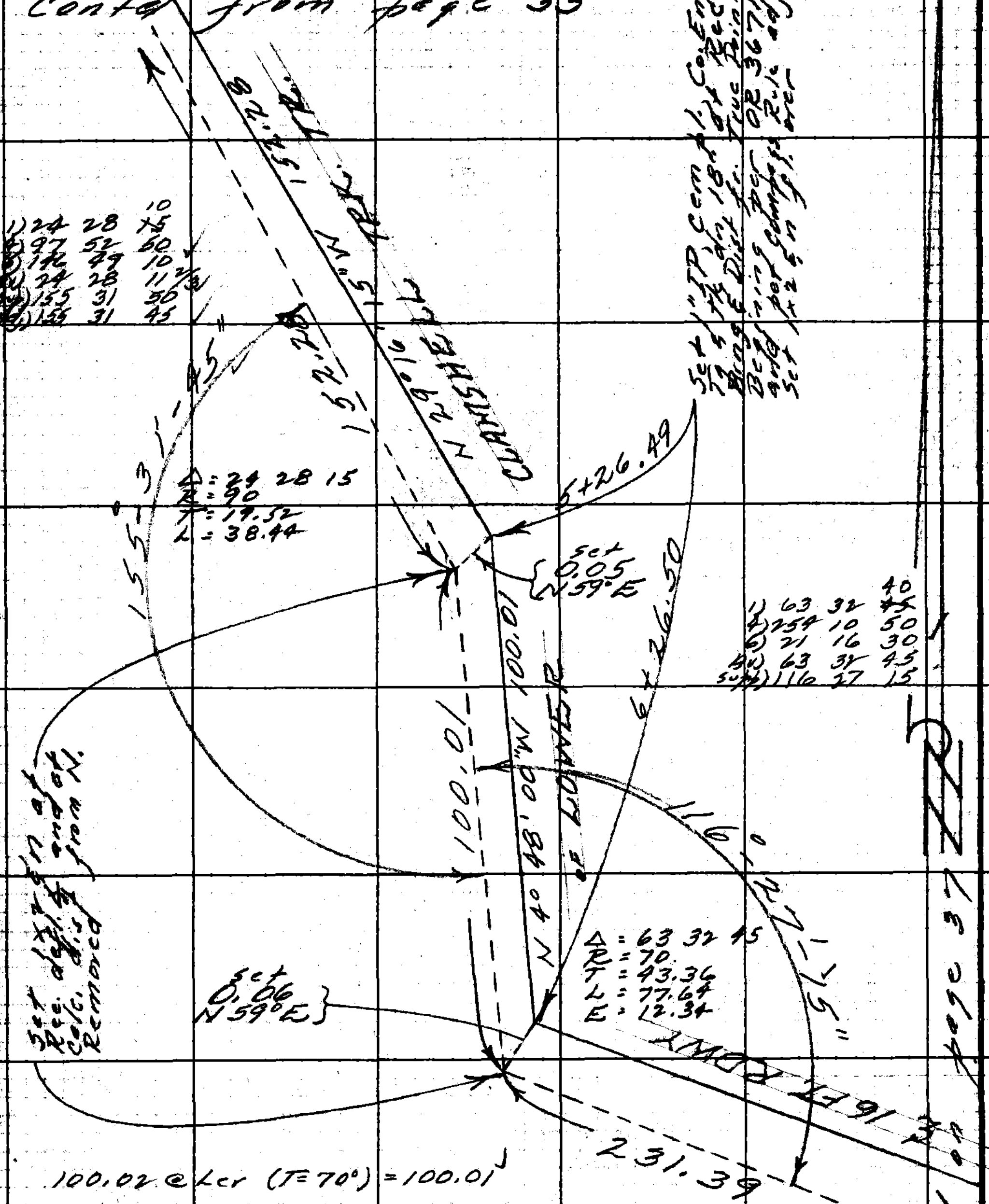
76F3098 CE #247—3-57

F.B. 2384 Pg. 36

Cont'd from page 35



100.02 @ Ler (T = 70°) = 100.01

1) 231.64 @ 1°06' (T = 78) = 231.59
2) 231.62 @ 0°00 = 231.61
Avg = 231.60
Less Back 0.21
231.39

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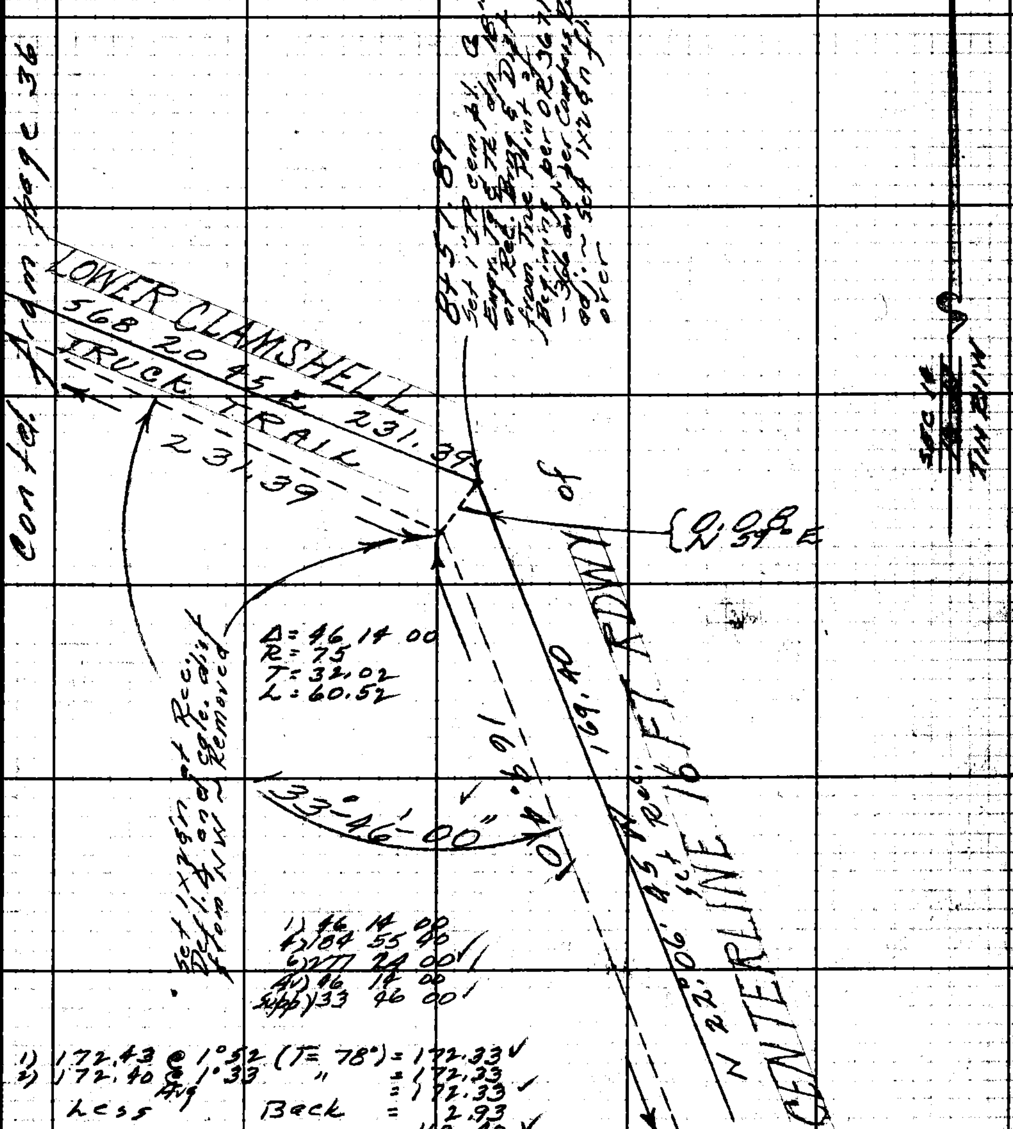
Map No. ______	JN 0016.01 Tape 126 Std. 84 °F
Office Work ______	Surveyed by R. J. Mitchell
Checked ______	Notes Mitchell Date 3/59
Date ______	Indexed L. C. Johnson

F. B. 2384 PG. 37

Cont'd from page 36



Cont'd on page 13

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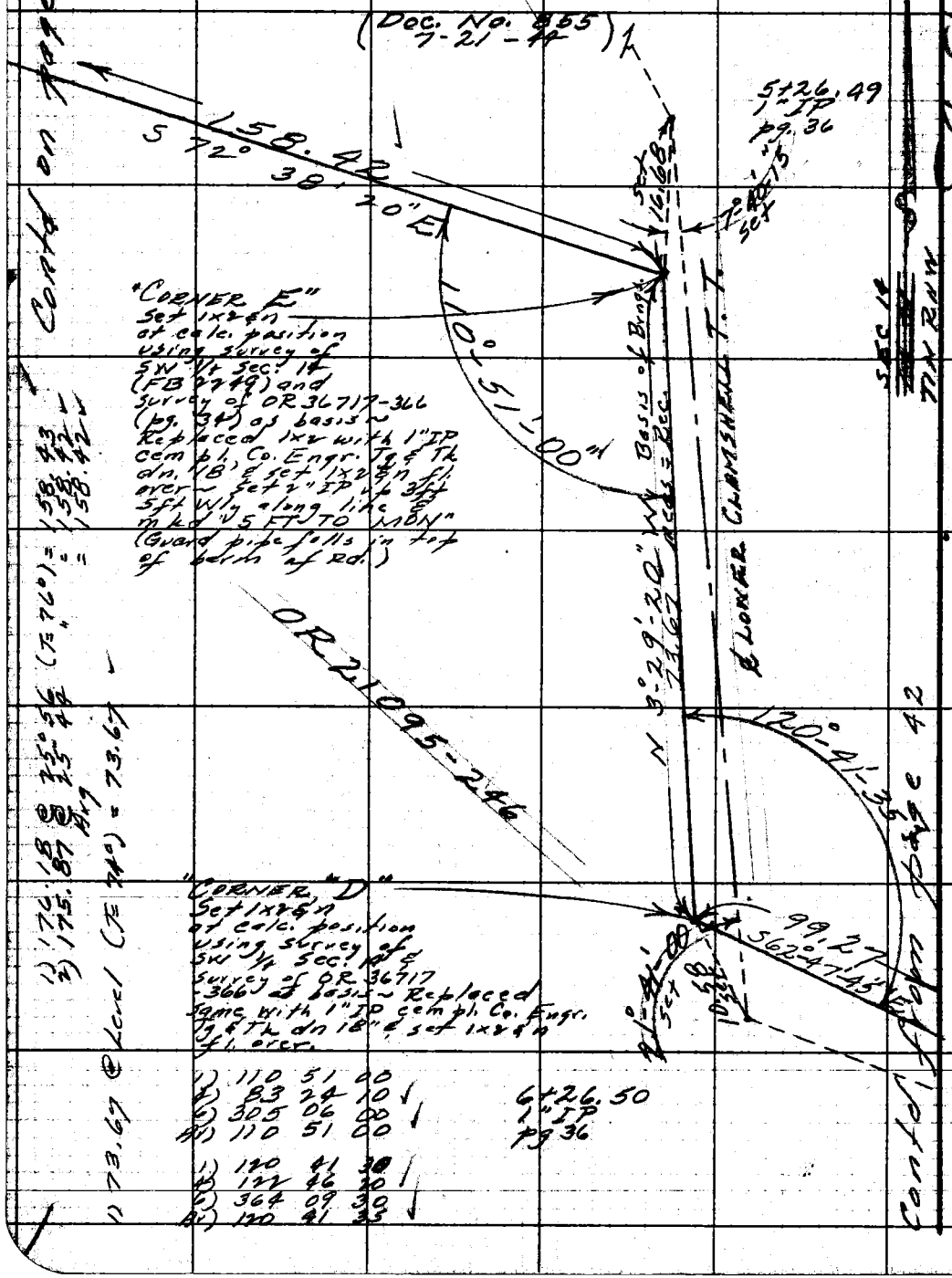
76F8O9S CE #247—3-57

F.B. 1384 Pg. 38

ESTABLISHING LINES OF PARCEL DESCRIBED IN OR 21095-246

(Doc. No. 855 7-21-72)



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

Survey of Lux Alberton
Job 0016.01 Tape 126 Std. 84 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date 3/59
Indexed C. Johnson

F. B. 2384 Pg. 39

1) 84 20 10
2) 84 20 40½
3) 146 00 50
4) 84 20 08½

1) 70 08 40
2) 200 33 20
3) 60 50 10½
4) 70 08 21½

3+72.21
1" IP
pg. 35

"CORNER F"
Set 1x2 sh
Rec. Dist & Bra
from "CORNER E"
and verified position
by angle & dist to
Rd. Sta. 3+72.21
& NE. Replaced
1x2 with 1"
IP sempl. Co. Engr.
Tag & set guard
pipe as shown.

Made search
for pipe set
by Barnett - fd
1½" orig.

Set 2" I Guard Pipe
up 3 ft & mark
"5 ft To Alley"

Set 1x2 sh
on line & at
83.35 from
North
in edge of
driveway

ARBOR LETUM

LDT 128.

70°08'

Cabin

5 72

158.42

38'-20" E

84°20'10"

OR 21095-246

1) 66 28 20
2) 146 53 10
3) 38 49 30
4) 74 28 15
5) 113 31 45

1) 111.78 @ 30 54 (T=74°) = 44.89
2) 111.02 @ 30 25 " = 44.89
Avg = 44.89
37.44 @ Lec (T=74°) = 37.44
Back = 128.13

Cont'd from page 38

0+00.00

1) 85.94 @ 14°06 (T=76°) = 83.35
2) 86.23 @ 14°30 " = 83.35
Avg = 83.35 0+83.35

1+40.61
Set 1x2 sh
on line

1) 58.14 @ 10°02 (T=76°) = 57.25
2) 58.31 @ 10°49 " = 57.27
Avg = 57.26 1+40.61

1) 14.00 @ Level (T=76°) = 14.00 1+54.61
2) 47.14 @ 14°58 (T=76°) = 45.54
3) 46.80 @ 13°15 " = 45.55
Avg = 45.54 2+00.15

1+54.61
Set 1x2 sh
up 6" on
line

1) 45.17 @ 28°22 (T=76) = 40.81
2) 44.69 @ 23 57 " = 40.84
3) 45.60 @ 24 53 " = 40.82
Avg = 40.82 2+40.97
Back = Less = 1.51 2+39.46
Set Back

Cont'd on page 40

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76F3093 CE #247—3-57

F. B. 2384 Pg. 40

Contd from page 39

1) 81 04 20
4) 324 17 30
6) 126 26 30
Av) 81 04 25

1) 37 46 50
2) 75 33 00
Av) 37 46 30

OR 21095-246

2+00.15
set 1x2 & n
on line

239.46
N 11°41'-51"-E

81°-04'-25"

37°46'-30"

Sec 14
TIN R11W

Fd 2" IP cem pl. Tg
(RE 1216) Etk per
Tap by BARNETT for
Lux

1.43

1.85

CORNER A
set 1x2 & n @
Rec angle & dist
from "CORNER F"
verified position
265.76

S 87°13'44"-E

by continuing to
CORNER B then
replaced with 1" IP
cem pl. Co. Engr. Tg &
Tk and set 2" IP 5 ft
Ely along line up 3 ft
& mkd "5 FT TO MON"

Calc. fr. Mech. S.

LUX

ARBORETUM

2" IP set by Gierlich
See pg 23

See pg. 44
247.90
See map by Barnett
N 45°37'25"E
247.42
See

2.07

SW Cor NE 1/4
NW 1/4 SW 1/4 Sec 14
0+00 Going S
= 6+65.04 Going E
1" IP pg 23

1.36

1) 36.09 @ Lev (T=90) = 36.09
2) @ " = 36.09
Avg = 36.09
1) 191.35 @ 7°48 (T=90°) = 189.59
2) 191.20 @ 7°29 " = 189.58
Avg = 189.58
1) 42.30 @ 14°30 (T=90) = 40.95
2) 41.99 @ 12°39 " = 40.97
Avg = 40.96
Total = 266.63
Back = Less 0.87
265.76

Contd on page 41

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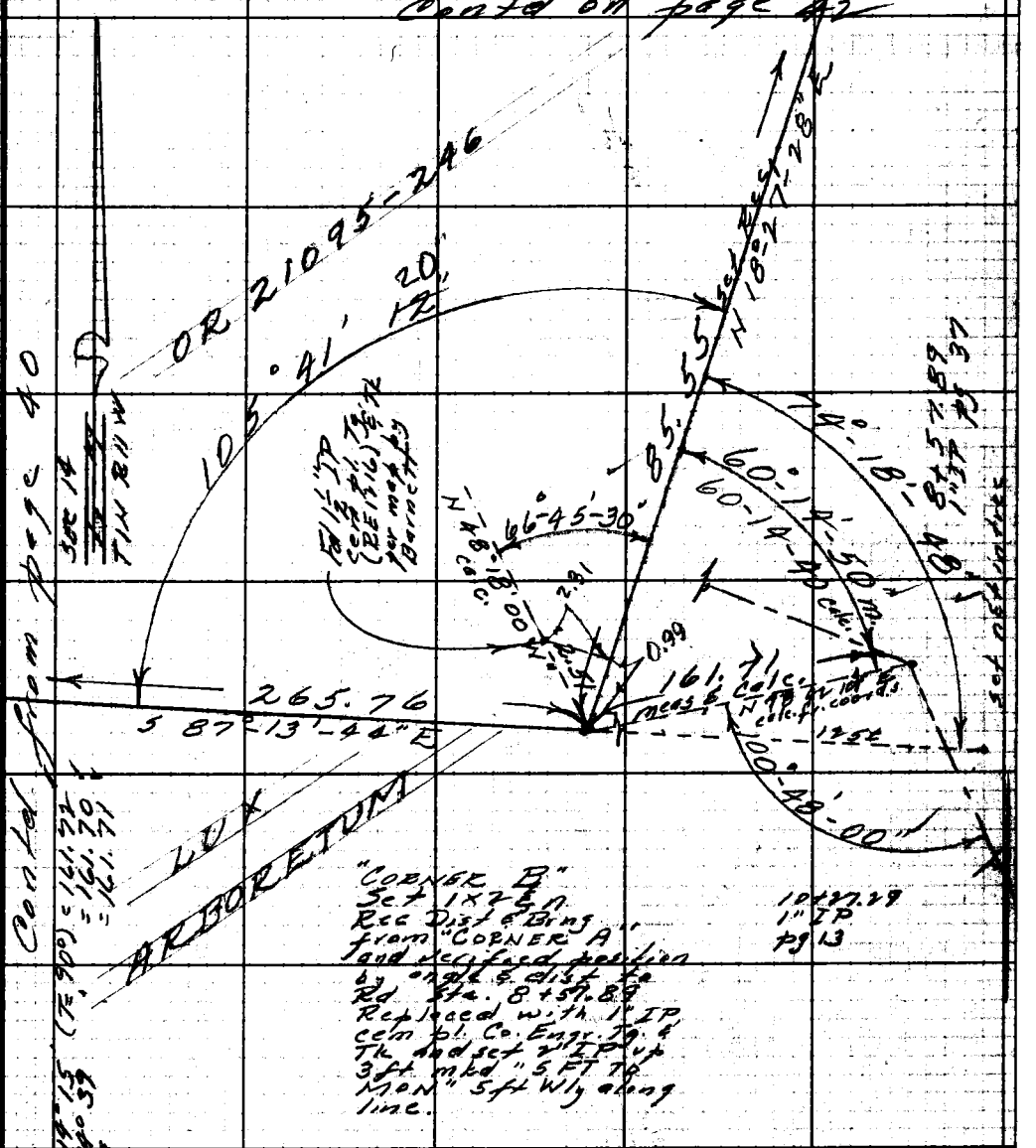
Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 00160 Tape 126 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date
Date	Indexed C. Johnson

F. B. 2384 Pg. 41

Cont'd on page 42



1)	100	48	20	1)	60	13	00
2)	93	12	10	2)	240	59	50
3)	274	47	50	3)	361	29	10
Av)	100	97	38 1/3	Av)	60	14	51 2/3
1)	74	18	50	1)	66	46	00
2)	277	14	40	2)	133	31	00
3)	85	52	50	Av)	66	45	30
Av)	74	18	48 1/3				
	105	41	12				

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76F3098 CE #247—3-57

F.B. 2384 Pg. 42

1)
4) 34 59 00
6) 232 28 00
A1) 98 44 40

SIEBERT

CORNER C
Set 1x2 & n
@ Rec. Brng & Dist
from "CORNER B"
& verified position
by calc. plus & offset
from Rd Sta. 8157.89
Replaced same with
1" IP cem. pl. Co. Engr
Tg & Tk dn. 18 & 1x2 & n
fl. over in traveled Rd.
~Set 2" IP up 3 ft
mkd "5 FT to MON"
5 ft sly along line in
sly edge berm of rd.

8157.89
1" IP pg 37
& pg 41

99.27 meas = Rec.

140.45 m.
140.46 calc.

Contd on page 38

6+26.50
1" IP pg 36
& pg. 38

98°-44'-40" meas
246

OR: 21095

85.55 Set Rec.

2.54 c&m.

LUX ARBORETUM

99.27 @ Lev (T=86°) = 99.27

SEC 14
TIN R11W

1) 93.16 @ 27°24' (T=80°) = 82.72
2) 92.57 @ 26 42 " = 82.70
2.84 @ Lev. Total = 82.71
= 2.84
= 85.55

Contd from page 41

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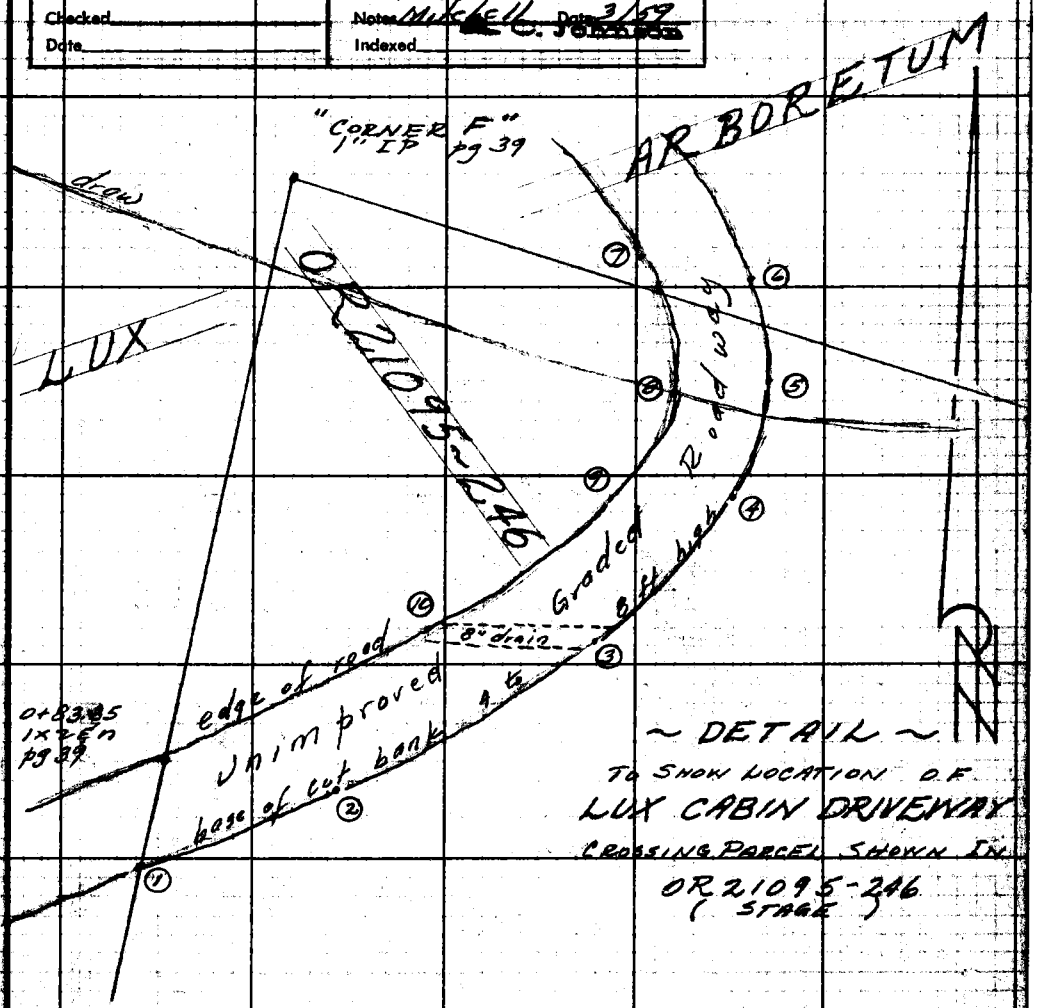
Map No.	JN 00160 Tape 126 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 3/59
Date	Indexed C. Johnson

F. B. 2384 Pg. 43

Detail To Show Location of Lux Cabin Rd Across Stages Parcel



~ DETAIL ~

TO SHOW LOCATION OF

LUX CABIN DRIVEWAY

CROSSING PARCEL SHOWN IN

OR 21095-246

(STAGE)

TRANSIT AT	SIGHT ON	HORIZ ∡ (Clockwise)	STADIA DISTANCE	VERT ANGLE	HORIZ DIST
0+83.35 1x2 En	1	180° 00	17.0	0° 00'	17.0
	2	75° 50	35	0° 00'	35
BACK SIGHT ON	3	67° 35	64	5° 12'	63
	4	63° 25	105	7° 48'	103
"CORNER F" 1" IP	5	60° 15	139	8° 28'	136
	6	57° 58'	142	8° 34'	139
	7	51° 45	132	11° 48	127
	8	55° 30	120	8° 18	117
	9	54° 30	82	6° 58	81
	10	53° 00	53	4° 08	52

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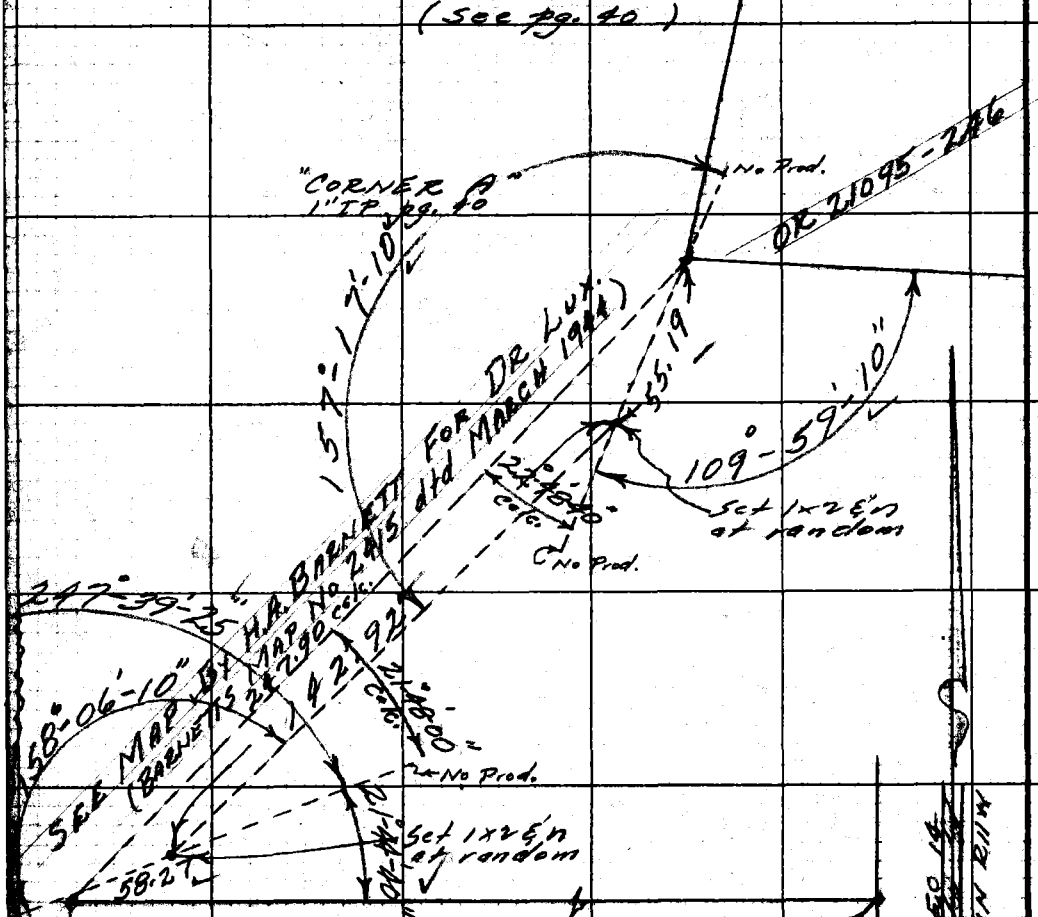
76F3093 CE #247—3-57

F. B. 2384 Pg. 44

DETAIL
TO ESTABLISH LENGTH & BEARING OF ~ BARNETTS TIE ~
(See pg. 40)



	1145.48	1) 21	44 50		
	1x2 E'n	4) 86	58 50		
	pg 23	6) 130	28 00		
		AV) 21	44 40		
1)	109 59 10	1) 158	06 00	1) 56.38 @ 11°36 (T=82°)	= 55.19
4)	79 56 50	4) 272	24 40	2) 56.72 @ 13 21	= 55.19
6)	299 55 00	6) 228	37 00	Avg	= 55.19
AV)	109 59 10	AV	158 06 10	1) 153.23 @ 21°08 (T=82°)	= 142.92
				2) 153.55 @ 21°26 "	= 142.93
				Avg	= 142.92
1)	157 17 00	1) 247	39 10		
4)	269 08 48	4) 270	37 20		
6)	223 43 00	6) 45	56 30	1) 60.29 @ 14 46 (T=70°)	= 58.27
AV)	157 17 10	AV) 247	39 25	2) 60.72 @ 16 16 "	= 58.28
				Avg	= 58.27

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 116 Std. 84 °F.
Office Work	Surveyed by R.J. Mitchell
Checked	Notes R.J. Mitchell Date 3/59
Date	Indexed O. Johnson

F.B. 2384 Pg. 45

TOWNSHIP 1 NORTH

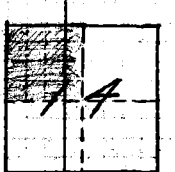
RANGE 11 WEST

SURVEY SHOWING
THE SUBDIVISION OF
THE
NORTHWEST QUARTER
OF
SECTION 14
FOR
LUX ARBORETUM

JN 0016.01

R.J. Mitchell
L.C. Smiley
M.L. Bustrum
G.R. Merino
R.R. Rodriguez

March & April & May 1959



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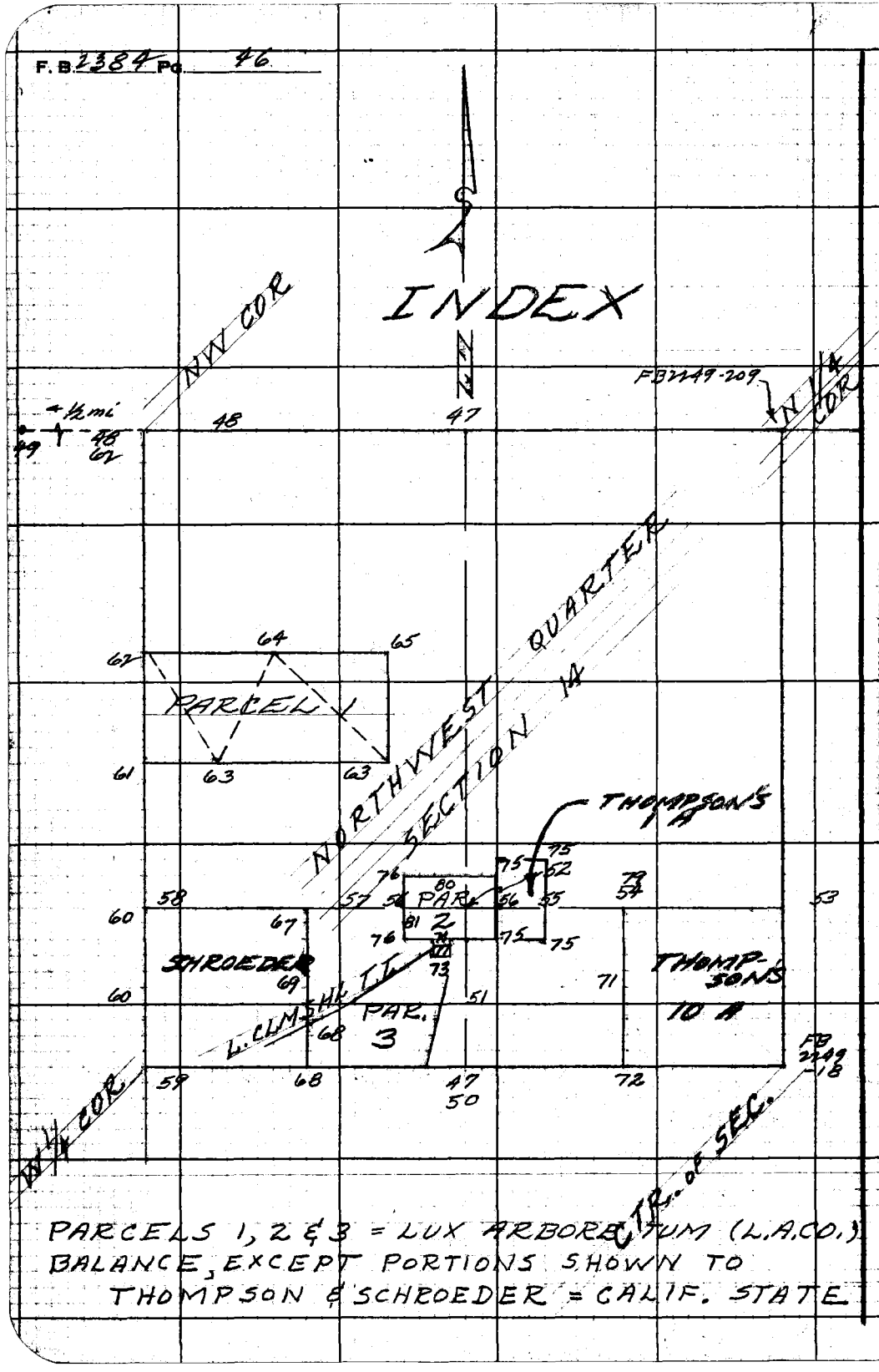
76F309S CE #247—3-57

F. B. 2384 Pg. 46



PARCELS 1, 2 & 3 = LUX ARBORETUM (L.A.CO.)
BALANCE, EXCEPT PORTIONS SHOWN TO
THOMPSON & SCHROEDER = CALIF. STATE

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 176 Std 62 °F
Office Work	Surveyed by R.S. Mitchell
Checked	Notes Mitchell Date 3/59
Date	Indexed C. Tanaka

F. B. 1384 Pg. 47

1) 56 06 00
2) 112 11 50
AV) 56 05 55

W.S.45-D2

20.24 @ Lev (T-74°) = 20.24

WEST 1/16 COR ?
137+30.34
set 3ft. C.S. Br. Cap Mon
up 4" in bench cut in
W'ly side crest of ridge
E side Harris Canyon
at calc. angle & dist
from R/L 7 and mkd
mon. as shown. ~ Set
2" I. Guard pipe up 3ft
5 ft E and set up I. Guard
pipe up 3ft 15 ft E on
crest of ridge.

COUNTY ENGINEER
T 1 N
S 11
S 14
R 14 W
E. 2269

42+27.01
1" IP w/Gen. Cap
FB 2249-210

SECTION 11

SECTION 14

Mkd Guard
pipe "5 FT TO
MON" 875 FT TO
MON" on W side.
Elev = 2290.6
pg. 202 in FB 2249

56°06'00"
Calc.
0.24 N

RANDOM LINE

Cont'd on page 48

137+41.52
R/L
1" IP
FB 2249-97

127+26.67
R/L 20'
1" IP
FB 2249-102
210

91°-29'-05

1) 91 28 50
2) 365 56 30
6) 188 54 30
AV) 91 29 05

E LINE-W½-NW¼-S14
SEE ALSO PAGE 50

1/4 1/4 COR.
Fd 1" IP
to fall
on line of N.
pg 12

T 1 N
R 14 W

Set 1" IP & Gen. I Cap
at random 69 ± ft N'ly
from N line S½ Sec 14
Turned angle of W 1/16 th
Cor. to signal set on this
point then set pt. to fall
on ~~of~~ E line W½ NW¼
of sec. ~ ~~Removed 2/16~~

NORTH LINE ~ SOUTH HALF
SECTION 14

~~Cont'd on page 50~~

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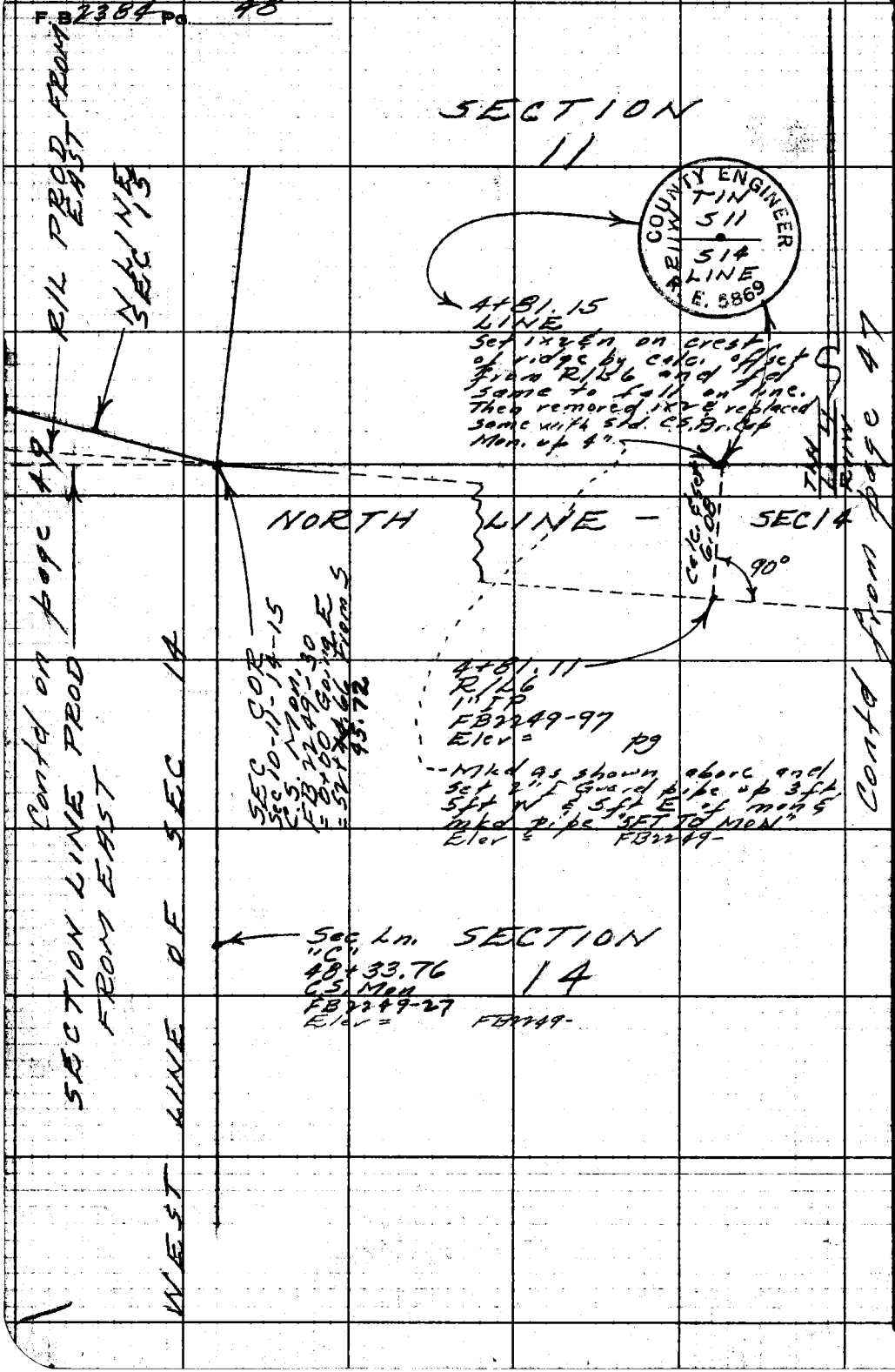
76F3093 CE #247—3-57

F.B. 2384 Pg. 48



W6.45-62

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Map No.	JN 0016.01 Tape 126 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 3/59
Date	Indexed A. C. Johnson

F.B. 2384 Pg. 49

W45-C2

Most Westerly Points Shown

SECTION 10

N 1/4 COR SEC 15 CS Mon FB2249-95

SECTION LINE 2643.02

90°

RANDOM LINE

90°

26.72

33.38 Calc & Set

1x2 Gn used to Estab. Rand. Ln pg. 95

NORTH LINE - SECTION 14 - PRODUCED

Set 1x2 Gn at calc. offset from Wly end of Rand. line and used to check true line going E from N W Cor. Sec 14 falls on spur at Sly edge of firebreak

0°34'-45"

0°43'-25"

TIN

RIW

Contd from page 48, left side

SECTION 15

33.38 @ Level (T=68°) = 33.38 ✓

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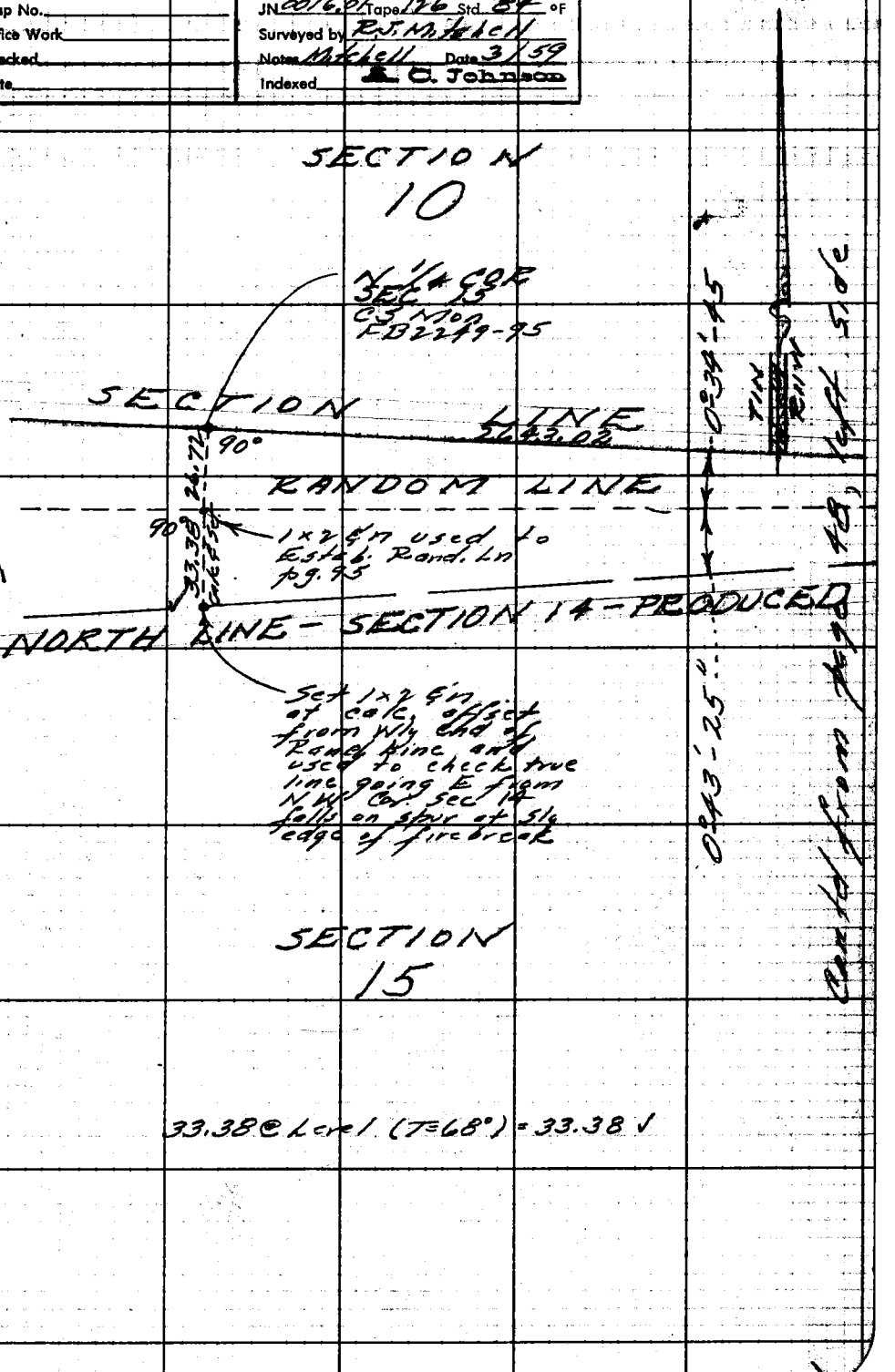
76F3098 CE #247—3-57

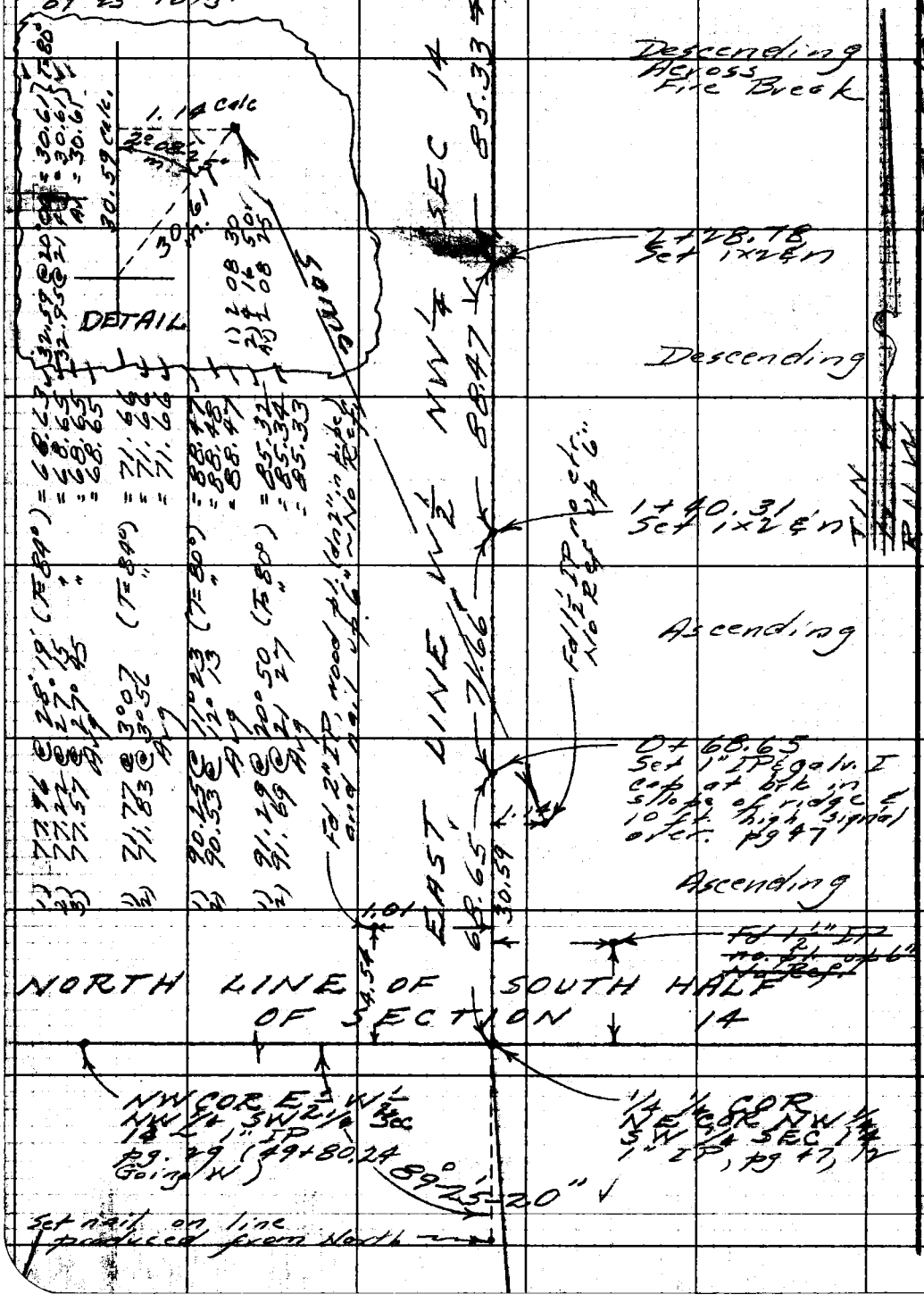


F.B. 2384 Pg. 50

~~Contd from page 47~~

Contd on page 51

1) 89 25 20
4) 357 41 20
6) 176 31 50
89 25 18 1/3



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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date Apr. 59
Date	Indexed A. O. Johnson

F. B. 2384 Pg. 51

E Line
W 1/2
NW 1/4 contd

Contd on page 52

Ascending

Clamshell canyon

Descending

4+49.78 Set 1x2 Ln in newly [illegible] foot trail

Steep Descent

3+90.15 Set 1x2 En at Nly edge Fire break

Descending Across Firebreak

3+14.11 Set 1x2 En in fire break

Descending Across Firebreak

EAST LINE WEST 1/2 NW 1/4 SEC 14

238.26

140

59.63

76.04

85.33

TIN
RNW

1) 83.31 @ 24°05 (T=82°) = 76.06
2) 83.74 @ 24 46 " = 76.04
3) 83.69 @ 24 42 " = 76.03
Avg. = 76.04

1) 59.63 @ Ler (T=86°) = 59.63 (Brk chain
2) 59.64 @ " " = 59.64 (6 times = 50 ft diff in elev.
Avg = 59.68

1) 252.30 @ 19°12 (T=86°) = 238.2[illegible]
2) 251.84 @ 18°54 " = 238.2[illegible]
Avg = 238.26

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76F309S CE #247—3-57

CONT'D FROM Pg 50

F.B. 2384 Pg. 52

10.27 @ Level (T=70°) = 10.27

1) 28.44 @ 25°47 (T=70) = 25.61
2) 29.18 @ 25°35 = 25.62
Avg = 25.61
1.01 @ Level = 1.01
Total 26.62 plus 0.14 = 26.76
See above 10.27 10.27
Total 36.89 37.03
Moved pipe South 0.14
37.03

1) 89 12 20
4) 356 49 20
6) 175 13 50
Av) 89 12 20

Int in ... Pipe ... Area

Contd on page 56 lower center

Contd from page 56 upper center

RANDOM LINE

92.52 3.82 0.98 2.84 101.91

6+98.31 N
13+30.32 W
Set 1x2 & n
by Int.

13+31.30
Set 1x2 & n in
cut bench

13+27.48
Set 1x2 & n
Stradler in
cut bench

NW 1/4 SEC 14

10.27 calc. & set

36.89 37.03

89°-12'-20"

6+88.04
Cut bench
& set 1x2 & n

W 1/2

26.76 26.62

NORTH LINE S 1/2 - S 1/2 NW 1/4 SEC 14

13+30.32 Going W. (calc.)
6+61.[illegible] Going N.
Set 1x2 & n at calc
dist from Rand.
Line Int. (36.89) (in
cut bench in side
slope) Reset with 1" I.P.
Cem. pl. Co. Engr. Tg & Tk.
9/18/59 Moved pipe
South 0.14 to corrected
offset ~ see note on
page 131 RJM.

EAST LINE

238.26

90°-48'-03"
44'-40"
calc.

Contd from page 51

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

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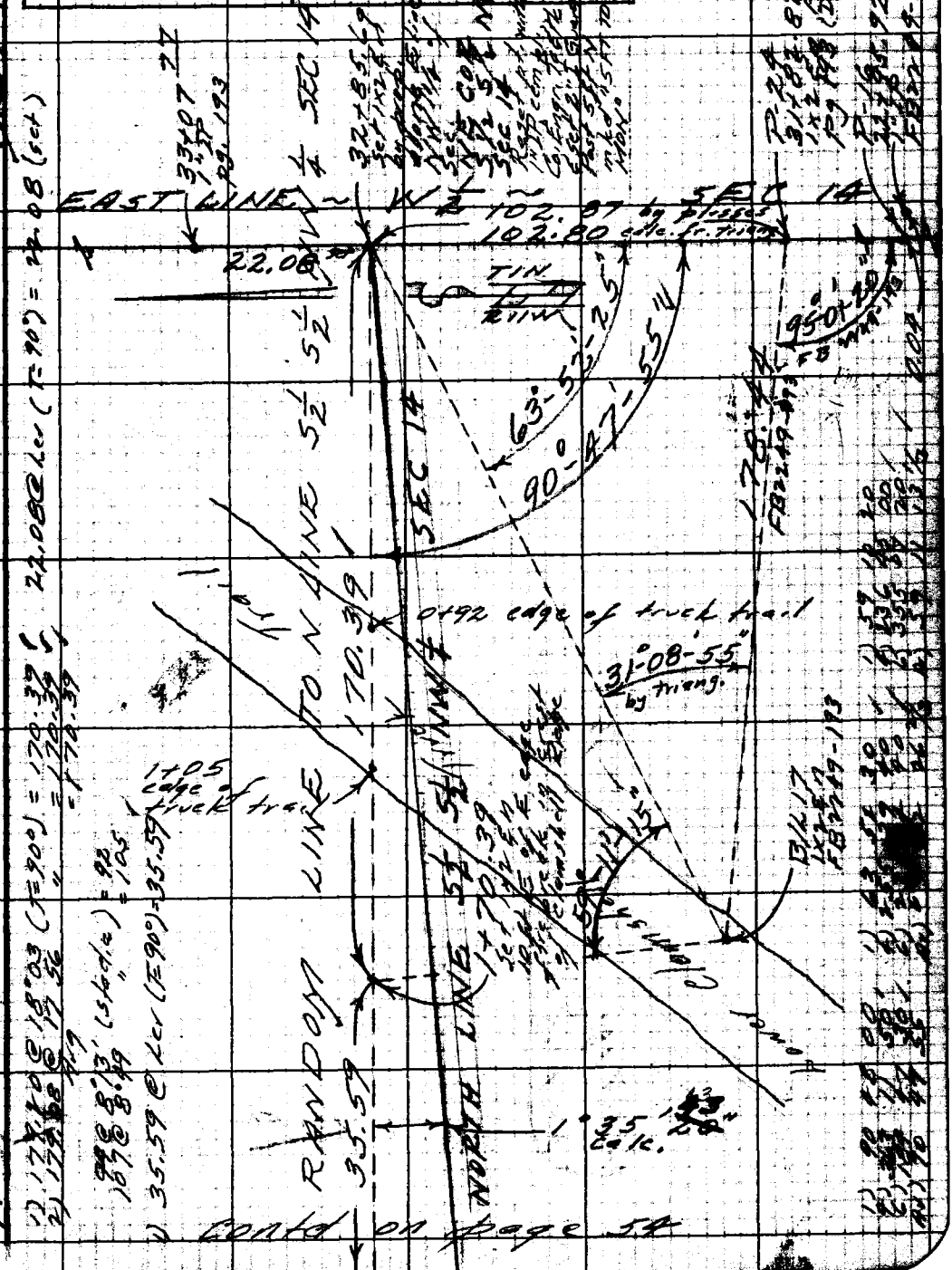
Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 00 16.01 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 4/59
Date	Indexed C. Johnson

F. B. 2348 PG. 53



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LOS ANGELES COUNTY ENGINEER
100 Los Angeles County Engineering Bldg.

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763098 CE #347—7-58

F.B. 2570 PG. 54 (64)

Cont'd from page 53

T1N
R11W

SEC 14
3559

2+05.98
Set 1x2 sta.
W side of firebreak
on crest of Clamshell
Ridge

N 1/4 S 1/2 NW 1/4
266.79

4+72.77
Set 1x2 sta
on side slope

S 1/2 N LINE TO
61.27

5+34.94
Set 1x2 sta

NW 1/4 S 14

6+35.67
Set 1x2 sta

N LIN. S 1/2 S 1/2 of

RANDOM LINE TO
101.63

6+64.90 calc.
Set 1x2 sta
calc. (Map station)

14.97 T1N
29.23 R11W

18.51 Set
Calc.

138.5

Contd on page 55

1) 300.09	27°14' (E=60°)	= 266.79	1) 102.96	0° 35' (E=58°)	= 61.28	1) 102.82	0° 48' (E=62°)	= 101.63
2) 299.56	27°02' "	= 266.79	2) 61.28	0° 35' "	= 61.28	2) 61.27	0° 48' "	= 101.63

1) 46.52	180°03' (E=56°)	= 44.100	1) 14.97	0 Ler (E=66°)	= 14.97	1) 20.57	180°15' (E=66°)	= 19.961
2) 46.52	"	= 44.100	2) 20.57	"	= 19.961	2) 20.57	180°35' "	= 19.961
1) 33.33	90°00' (E=66°)	= 30.000	1.67	Back		1.67	Back	
2) 33.33	22°06' "	= 30.000						
1.65	Back							

Difference: 29.23 × 14.97 = 18.51

Moved point South 18.51 to 18.51 R24W 10-18-58

See page 131 for explanation

Contd on page 55

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LOS ANGELES COUNTY ENGINEER
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Calc. 77 Set 2" x 2" Guard Post
Set 2" x 2" Guard Post from Road Fence
Set 1" x 1" Guard Post

763098 CE #247—7-53

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

Survey of Lux Arboretum
JN 00160 Tape 17 Std 84 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date 4/59
C. Johnson
Indexed ____

1) 51.15 @ 30° 09' 40" (T=58°) = 44.22 ✓
2) 51.58 @ 31° 00' 30" " = 44.20 ✓
Avg = 44.21 ✓

1) 196.38 @ 13° 34 (T=58°) = 190.87
2) 196.16 @ 13° 17 " = 190.88
Avg = 190.87

1) ~~250.07 @ 34 36 10 (T=58°) = 206.00~~
2) 250.67 @ 34 44 40 (T=58°) = 205.94 ✓
3) 250.19 @ 34 34 20 " = 205.97 ✓
4) 249.50 @ 34 21 20 " = 205.94 ✓
Avg = 205.95 ✓

1) 109.38 @ 16° 52 (T=60°) = 104.65 ✓
2) 109.69 @ 17° 25 " = 104.64 ✓
Avg = 104.64

Cont'd from page 54

T1N R11W

RANDOM LINE to N LINE - S½ - S½ - NW¼ - S14

← 104.64 → ← 190.87 ✓ → ← 205.95 ✓ → ← 44.21 → ← 44.20 →

6+79.88
Set 1x2 & n

7+24.11
Set 1x2 & n

9+30.06
Set 1x2 & n
S bank of
Clamshell Stream

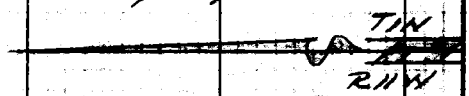
11+20.93
Set 1x2 & n
N bank of
Clamshell Stream

Clamshell Stream

Cont'd on page 56

F.B. ~~2348~~ 2384 PG. 56

Contd from page 55



1) 102.75 @ 7°20' (T=64°) = 101.90
2) 102.89 @ 7°49 " = 101.92
Avg = 101.91

OF S½ OF S½ OF NW¼ SEC 14

104.64

12+25.57
Set 1x2 Gn

101.91

Contd on page 52 Right

SEE PAGE 52

Contd from page 52 Left

RANDOM LINE TO N LINE

92.52

14+23.81
Set 1x2 Gn

253.32

1) 97.19 @ 17°48 (T=60°) = 92.53
2) 97.49 @ 18°22 " = 92.51
3) 97.27 @ 17°58 " = 92.52
Avg = 92.52

1) 261.14 @ 14°03 (T=70°) = 253.31
2) 260.94 @ 13°51 " = 253.33
Avg = 253.32

Contd on page 57

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LOS ANGELES COUNTY ENGINEER
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Map No.	JN 0016.01 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 4/59
Date	Indexed C. Johnson

F. B. ~~2348~~ 2384 Pg. 57

Contd from page 56

T1N
R11W

RANDOM LINE TO N LINE 5½ S½ NW¼ SEC 14

97.07 — 193.74 — 118.76 — 110.85 — 253.32

16+77.13 Set 1x2 ⊗ n

17+87.98 Set 1x2 ⊗ n

19+06.74 Set 1x2 ⊗ n

3 prong bay tree

3 prong oak tree

21+00.48 Set 1x2 ⊗ n 0.54 South of Random Line

1) 194.02 @ 2°58 (T=76°) = 193.75
2) 193.93 @ 2°32 " = 193.73
Avg = 193.74

1) 97.10 @ 1°31 (T=84°) = 97.07
2) 97.09 @ 0°51 " = 97.08
Avg = 97.07

1) 110.87 @ 0°22' (T=72°) = 110.86
2) 110.86 @ 0°17' " = 110.85
Avg = 110.85

1) 118.81 @ 1°32' (T=72°) = 118.76
2) 118.79 @ 1°08 " = 118.76
Avg = 118.76

Contd on page 58

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763098 CE #247—7-53

F.B. ~~2348~~ 2384 PG. 58

Contd from page 57

1) 90 47 20
4) 363 08 40
6) 184 43 00
Av) 90 47 10

1) 233.78 @ 1°00 (F86°) = 233.75
2) 233.75 @ 0°45 " = 233.73
Avg = 233.74

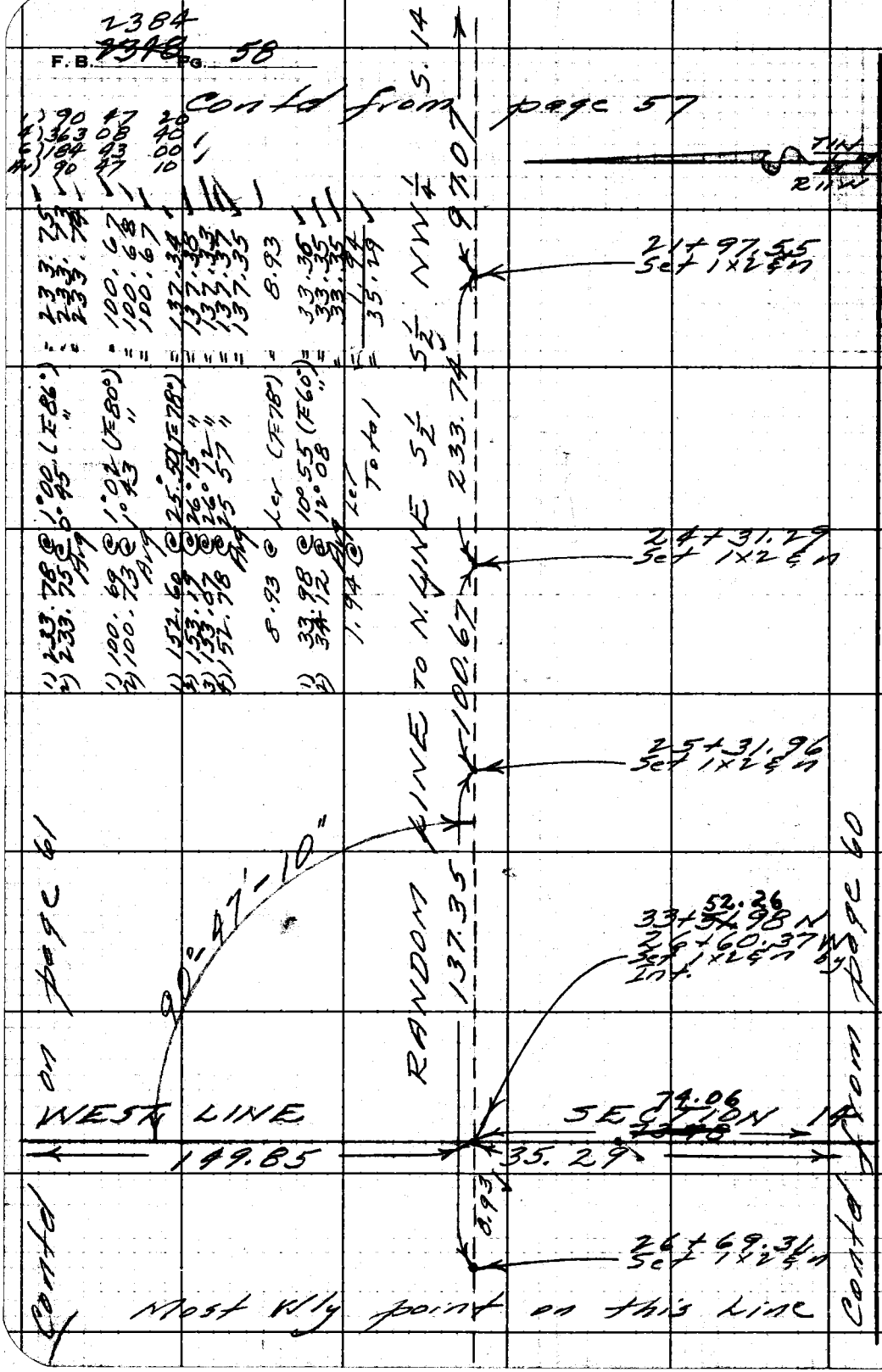
1) 100.69 @ 1°02 (F80°) = 100.67
2) 100.73 @ 1°43 " = 100.68
Avg = 100.67

1) 152.60 @ 25°50 (F78°) = 137.34
2) 153.19 @ 26°15 " = 137.38
3) 153.07 @ 26°12 " = 137.33
4) 152.78 @ 25 57 " = 137.35
Avg = 137.35

8.93 @ Lev (F78°) = 8.93

1) 33.98 @ 10°55 (F60°) = 33.36
2) 34.12 @ 12°08 " = 33.35
Avg = 33.35

1.94 @ Lev = 1.94
Total = 35.29



WS 45-C3

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9.31
8.93
0.37

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date April 59
Date	Indexed C. Johnson

F. B. ~~2348~~ 2384 PG. 59

Contd on page 60

W S 45-C3

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RETURN TO
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1) 91.86 @ 4°24 (T=64°) = 91.58
2) 91.80 @ 3°45 " = 91.59
Avg = 91.58

1) 109.70 @ 4°22 (T=66°) = 109.37
2) 109.79 @ 4°56 " = 109.37
Avg = 109.38

7/21/59 109.72 @ 4°35 (T=94°) = 87.12
1) 90.05 @ 14°38 (T=68°) = 87.12
2) 90.32 @ 15°16 " = 87.12
Avg = 87.12

LINE OF SEC 14

87.12

29+79.80
Set 1x2 ~~&~~ in north side of firebreak on Flamshell Ridge

109.37

(S side firebreak)
28+70.43
INT
1" IP ~ FB 2249 162

TO K-4
Sec 162 in FB 2249

91.58
m = FB 2249-162

27+78.85
1x2 ~~&~~
FB 2249-25,162

WEST

156.52
FB 473-191

26+22.33 Going N
W 1/4 COR
SEC 14
C.S. Mon.
FB 473-191
FB 2249-24,162
FB 2384-30

N LINE S 1/2 SEC 14

768098 CE #247—7-58

F.B. ~~2348~~ 2384 Pg. 60

Contd on page 58 Rt

WS 45-C3

35.29

33+16.~~69~~ 97
Set 1x2 E n in bench cut in N bank of stream

74.06
~~72.78~~
46.38

Clamshell stream

26+60.38 From E = 32+78.20 Going N
Set 1" IP cempl. Co. Engr. Tg & tk in rock mound on S bank of stream & prop dist betw W 1/4 COR & NW Cor sec 14

NO CHAINING - NO LINE CHK

N. Ln. S 1/2 S 1/2 NW 1/4 S 14

32+70.31
Set 1x2 E n on terrace S side clamshell stream

161.40

31+55.~~39~~ 57
Set 1x2 E n in bench cut in steep side slope

88.65

30+66.~~64~~ 92
Set 1x2 E n on steep side slope in cut bench

87.12

WEST LINE OF SECTION 14

1) 106.37 @ 33 32 40 (T=76°) = 88.65
2) 107.03 @ 34 04 40 " = 88.65
Avg = 88.65

1) 190.63 @ 32° 08 00 (T=78°) = 161.42
2) 190.39 @ 32 02 00 " = 161.39
3) 190.88 @ 32 15 10 " = 161.42
Avg = 161.40

1) 46.87 @ 8° 20 (T=68°) = 46.38
2) 46.71 @ 6 45 " = 46.38
Avg = 46.38

Contd from page 59

RETURN TO
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Notes Ck'd by	Survey of Lux Arboretum	F. B. ~~2348~~ 2384 Pg. 61
Map No.	IN 0016.01 Tape 176 Std. 84 °F	1) 90 00 00
Office Work	Surveyed by R.J. Mitchell	4) 360 00 00
Checked	Notes Mitchell Date Apr. '59	6) 180 00 00
Date	Indexed C. Johnson	Av) 90 00 00

WS 45C3

Contd on page 62

LA COUNTY
LUX ARBORETUM

Set 1x2 in on 5 ft W of SW Cor of PARCEL #1

Set 2" I. Guard Pipe 5 ft E of Corner and up 3 ft. mkd "5 FT TO MON"

TRIAL SOUTH LINE 300 x 800 FT PAR.

299.89 steep up

291.60 Calc.

220.24 steep up

38+04.35 TRIAL SW COR-PAR Set 1" I.P. Sample Co. Engr Tg & tk in bench cut in South slope of spur and ~~at~~ dist from W 1/4 Cor ~~[illegible]~~ ~~[illegible]~~ random

SEE PG. 66

36+78.81 Set 1x2 in bench cut in crest of small spur up to NE

35+02.11 Set 1x2 in bench cut in steep slope

WEST LINE SECTION 14

149.85 176.70 125.84

1) 195.08 @ 39 48 00 (T=66°) = 149.86
2) 195.79 @ 40 03 20 " = 149.84
Avg = 149.85

1) 193.59 @ 24.06 (T=68°) = 176.70
2) 193.95 @ 24.20 = 176.70
Avg = 176.70

1) 124.56 @ 1.22 (T=66°) = 124.51
2) 124.60 @ 2.09 = 124.50
Avg = 124.50
1.34 Lev. Ahd Total = 125.84

00'-00"

STATE OF CALIFORNIA
LUX ARBORETUM

Contd on page 63 bottom

Continued from page 58 left

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763098 CE #247—7-53

2384
~~1948~~ F.B. Pg. 62

52+45.72
NW Cor SEC 14
CSM 871
1) 38 18 00 FB 2249-30
2) 143 10 50 FB 473-192
3) 112 56 10
4) 36 17 41 2/3

1) 90 00 00
2) 360 00 00
3) 180 00 00
4) 90 00 00

NORTH LN. S. 14

N 89° 8' 29" W
291.60

N 45° E

CALIF. STATE H.

48+33.76
"E"
E5 Mon.
FB 2249-27

T1N
R11W

WEST LINE · SECTION 14

1) 80.02 (N 78°) = 80.02
2) 80.03 " " = 80.03
3) 80.02 " " = 80.02
1) 5.81 (N 80°) = 286.78
2) 5.81 " " = 286.78
3) 5.81 " " = 286.78
4) 5.81 " " = 286.78
All Total = 372.08

1) 198.77 (N 80°) = 198.77
2) 198.77 " " = 198.77
3) 198.77 " " = 198.77
4) 198.77 " " = 198.77

1) 81.82 S 12°01' (N 78°)
2) 80.94 S 12°51'
1) 5.81 S 12°01' (N 80°)
2) 5.81 S 12°51'
3) 5.81 S 12°51'
4) 5.81 S 12°51'
All Total

1) 200.76 S 9°06' (N 80°)
2) 200.76 S 9°06'
3) 200.76 S 9°06'
4) 200.76 S 9°06'

41 04 34
NW Cor Parcel
Set 1" IP cem. by
Co. Eng. in ETL of
Rec. 8.1.57 N of
1/4 Cor using
of 3" shown in
FB 2249-27 - Set
2" Iron Guard pipe set
E end of 3" mag
"5 Ft to Mon"

198.24
800.00 set

372.08
90°-00'-00"

Continued on page 64

"A"
40+96.05
1" x 3" m
FB 2249-27, 29

299.89 calc.
291.60 calc.
36-17-40"

Stake on line 1 south

A COUNTY ARBORETUM

40 96 05
8 29
41 04 34

Contd from pg 61

A contd on pg 63 bottom left

RETURN TO
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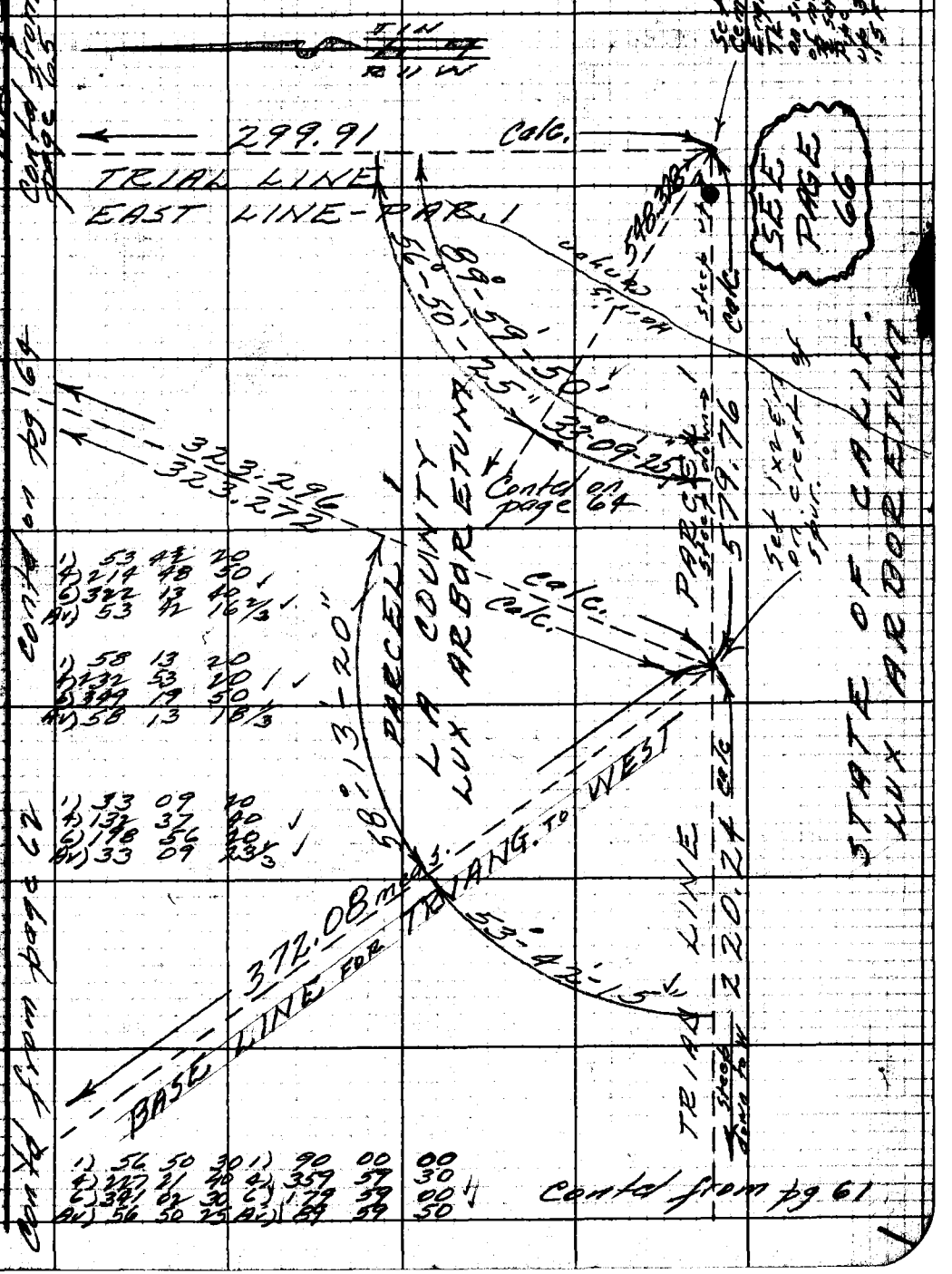
2384

Notes Ck'd by	Survey of Lux ARBORETUM
Map No.	JN 0016.51 Tape #94 Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes Mitchell Date 4/58
Date	Indexed C. Johnson

F. B. ~~2348~~ Pg. 63



1) 53 42 20
4) 214 48 50
6) 322 13 40
Av) 53 42 16 2/3

1) 58 13 20
4) 232 53 20
6) 349 19 50
Av) 58 13 18 1/3

1) 33 09 20
4) 132 37 40
6) 198 56 20
Av) 33 09 23 1/3

1) 56 50 30
4) 227 21 40
6) 341 02 30
Av) 56 50 25

1) 90 00 00
4) 359 59 30
6) 179 59 00
Av) 89 59 50

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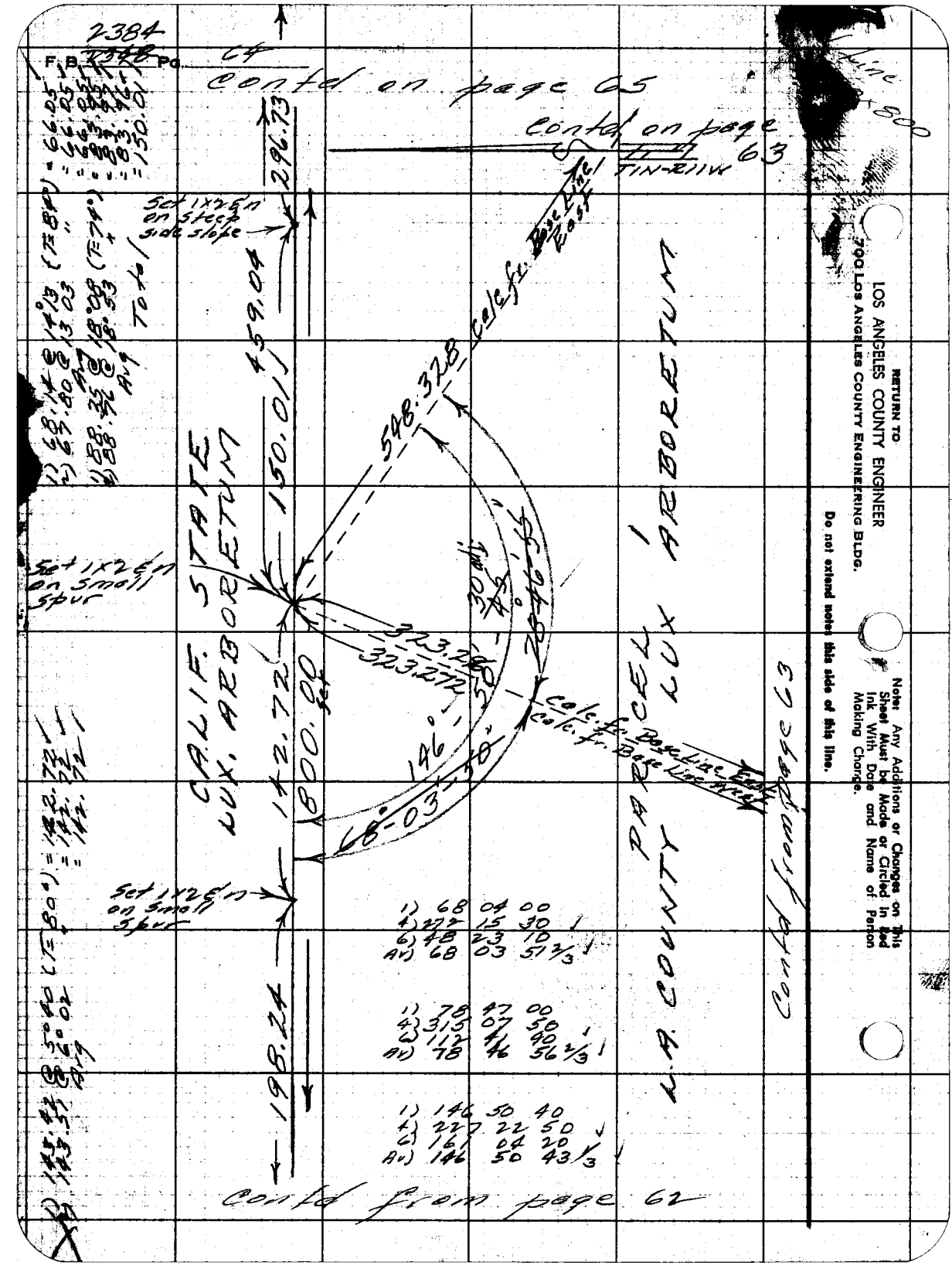
76F3095 CE #247—3-57



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

Survey of Lux Arboretum
JN 001681 Tape 23 Std 84 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date 4/59
Indexed C. Johnson

F. B. 2384 (2348) Pg. 65

1) 90 00 00
2) 360 00 00
3) 180 00 00
4) 90 00 00

W.S. 25-D3

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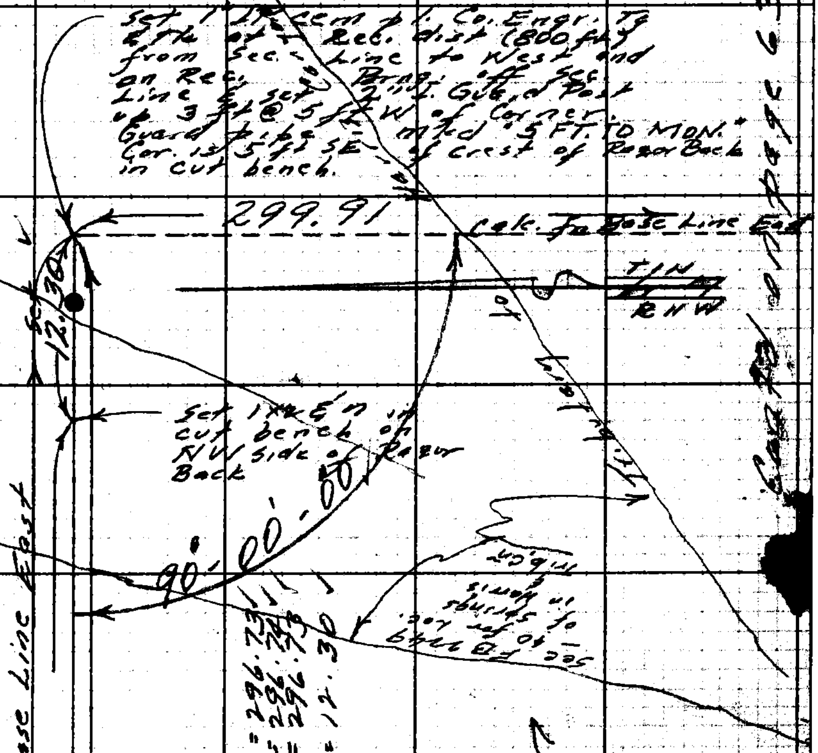
76F3098 CE #247—3-57



CALIF. STATE
LUX ARBORETUM

459.04 = Base Line East
296.73
800.00 set

1) 300.16 @ 8°36' (T=80°) = 296.73
2) 299.90 @ 8°25' " = 296.73
12.30 @ level (T=80°) = 12.30

PARCEL 1
LA COUNTY
LUX ARBORETUM

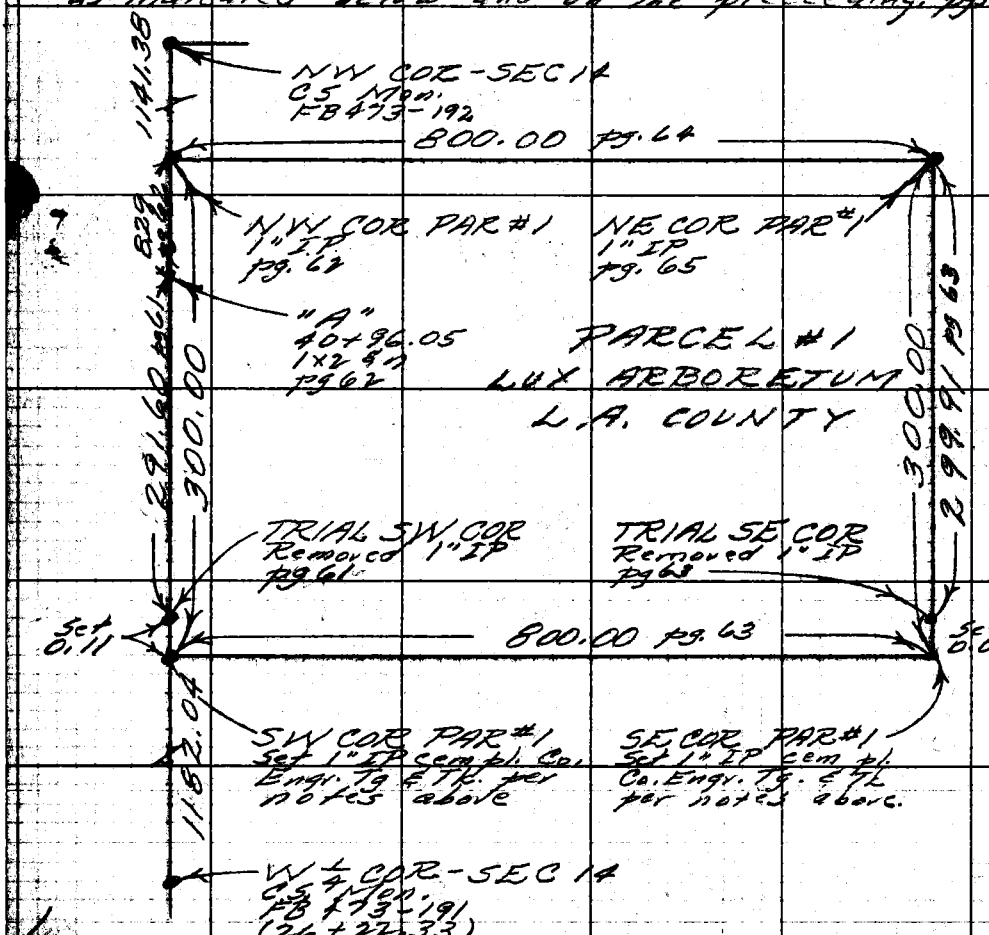
Cont'd from page 64

Cont'd on page 63

2384
F.B. ~~2348~~ Pg. 66

NOTES

1. After completing the chaining from the W¼ Cor Nly along the section line to the point "A" (40+96.05 pg 62 & FB2249-27) I elect to hold to this "pluss" for the following reasons:
   a. The direct chaining involves very steep vertical angles and consequent inaccuracies in the horizontal distance
   b. The "pluss" as determined in FB2249-27 satisfies the required conditions for mathematical closure of the NW ¼ of the sec.
   c. The distance as determined in FB2249-27 is in close accord with that recorded ~~shown~~ in FB473-76
2. I then set the SW Cor. of Par #1 a distance of 291.71 (=291.60+0.11) ft. S. of this point i.e. 1182.04 ft N of the W¼ Corner per description
3. I set the NW Cor 8.29 ft N of point "A" i.e. 300.00 ft N of the SW Cor per description.
4. The Ely corners are set at right angles to the section line and 800 ft distant per description & as indicated below and on the preceeding pgs.



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Notes Ck'd by	Survey of Lux Arboretum
Map No.	IN 0016.01 Tape 1/2 Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes Mitchell Date 4/59
Date	Indexed C. Johnson

F. B. ~~2348~~ 2384 PG. 67

W.S. 45-D3

ESTABLISHING EAST LINE
SW¼ SW¼ NW¼
SECTION 14

RANDOM LINE

NORTH LINE

Set 0.21 (see pg 131)

19+94.58 calc.

87.84 calc.

103.81 calc. & set

55.33 calc.

5½ 5½ NW¼

25.00

Stream

clamshell

9/18/59 RJM
Reset 1" IP cem pl. Cor. Engr. Tg. Etk. [illegible] Bet. 1/16 cors. E & W using calc. angle & distance from R/L. See pg Abandoned Wagon Trail for from Vac. Δ K4

N 75° E

121°

N.E. Cor. SW¼ SW¼ NW¼

Set 1" IP cem pl. to 6 ft. [illegible] Point falls 8 ft above strm. bed & 3 ft N of south edge of terrace & 30 ft E of mouth of sm. draw. Removed 9/18/59 RJM

4+41.47 Set 1x2 En on steep slope dn to North (in cut bench)

3+97.91 Set 1x2 En on steep slope dn to North (in cut bench)

E. LINE SW¼ SW¼ NW¼

43.56

58.31

1) 107.86 @ 12° 51 (T=82°) = 105.16
2) 107.60 @ 12° 10 " = 105.18
Less Avg. (Back) = 105.17
Difference = 1.36
= 103.81

1) 51.11 @ 31° 30' 00" (E60°) = 43.57
2) 50.75 @ 30° 52' 00 " = 43.55
Avg = 43.56

1) (D) 261.81 @ 33 51 30 (E60°) = 217.38
3) (D) 262.07 @ 33 56 10 " = 217.40
2) (R) 262.43 @ 34 04 50 = 217.33
4) (R) 262.71 @ 34 10 20 = 217.36
Avg.

1) 32 12 30
4) 128 49 50
6) 193 14 50
Av) 32 12 28⅓

1) 121 25 00
4) 125 40 10
6) 368 30 10
Av) 121 25 01⅔

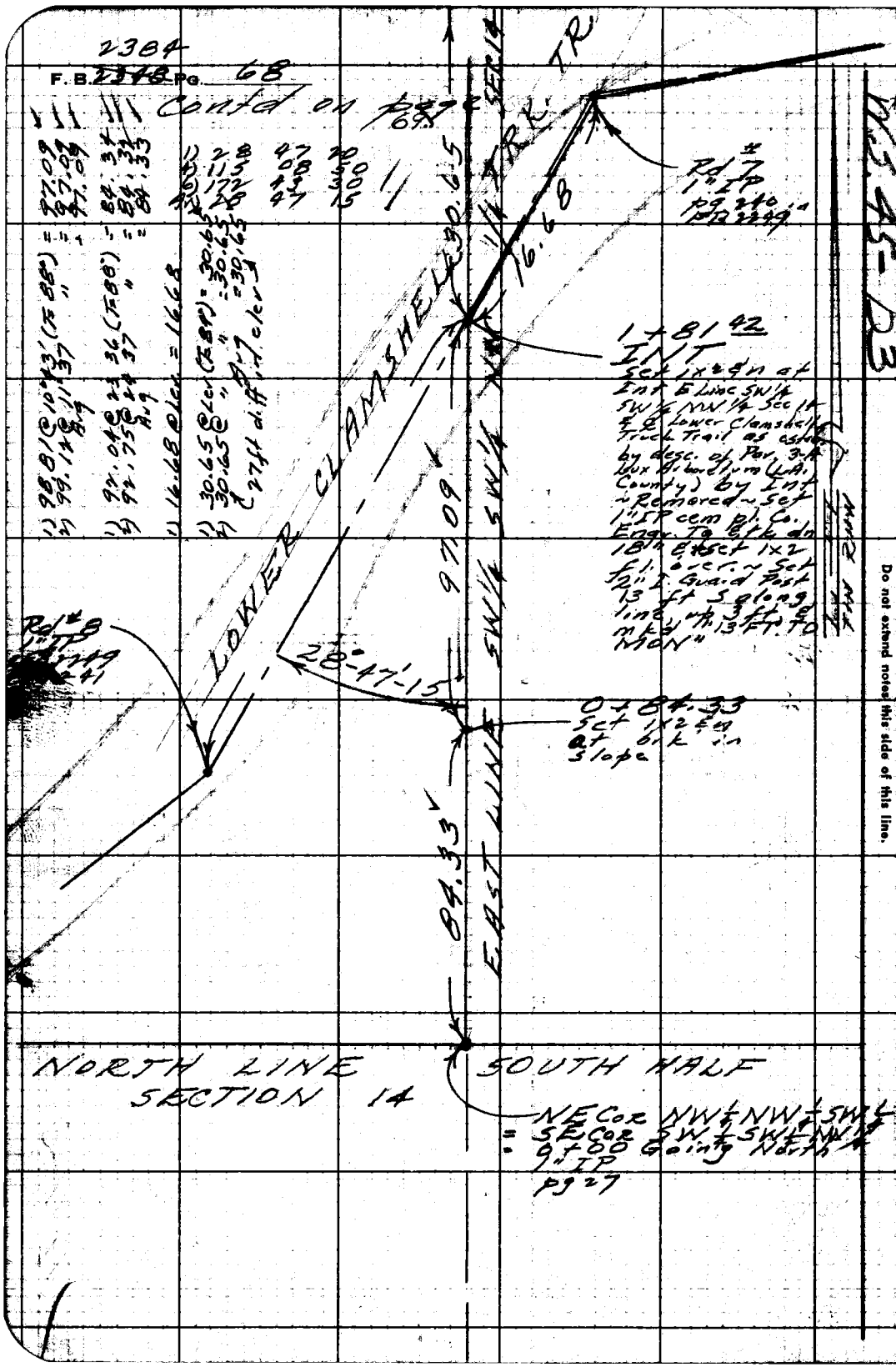
Cont'd {from on} page 69

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.

768098 CE #247—7-53



N.S. 45-D3

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

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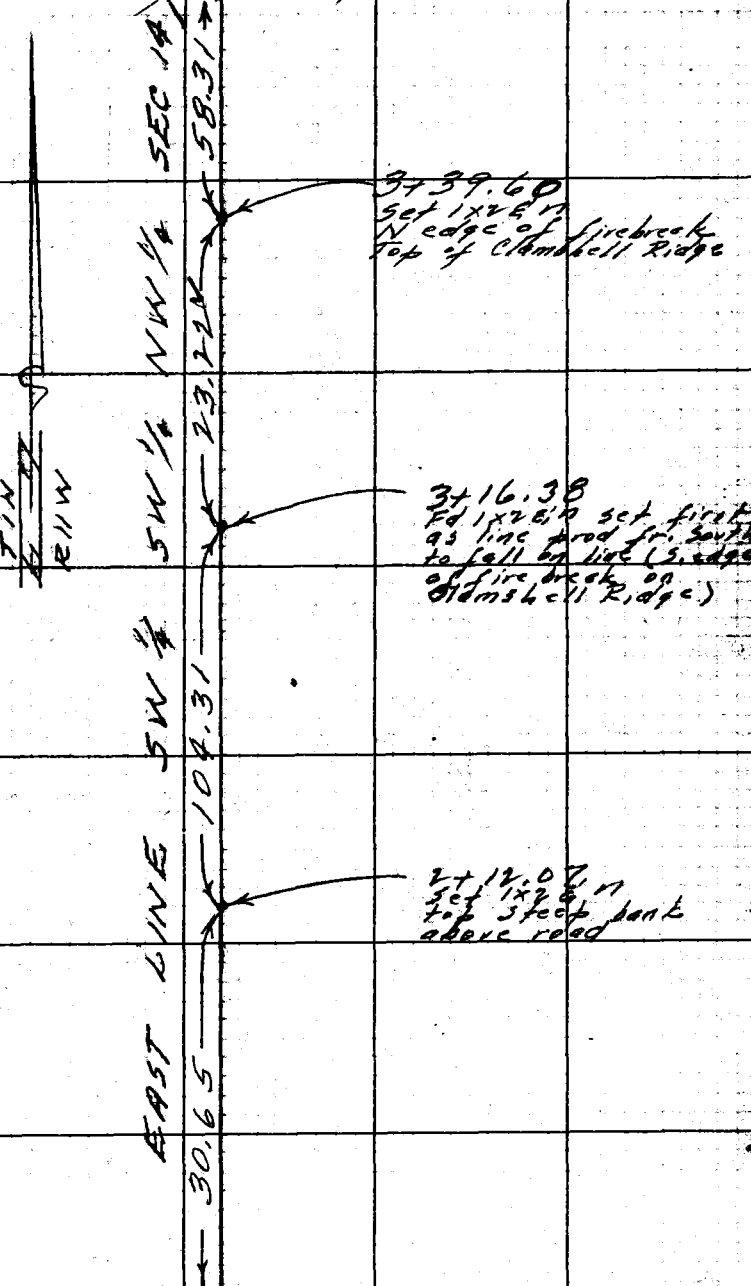
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 94 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell [illegible] 59
Date	Indexed

F. B. ~~2348~~ 2384 Pg. 69

Contd on page 67



1) 118.35 @ ~~23.10~~ (T=86°) = ~~108.81~~ (28°10 → 104.33)
2) 118.95 @ ~~23.44~~ " = ~~108.87~~ (28.44 → 104.30)
3) 118.54 @ 28.12 " = ~~104.32~~
4) 118.92 @ 28.43 " = 104.31
Avg = 104.31

23.22 @ Level (T=82°) = 23.22

1) 66.15 @ 28°09 (T=60) = 58.32
2) 66.63 @ 28.55 " = 58.31
Avg = 58.31

Contd from page 68

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 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.

763093 CE #247—7-53

2384

F. B. ~~2348~~ PG. 70

DETAIL

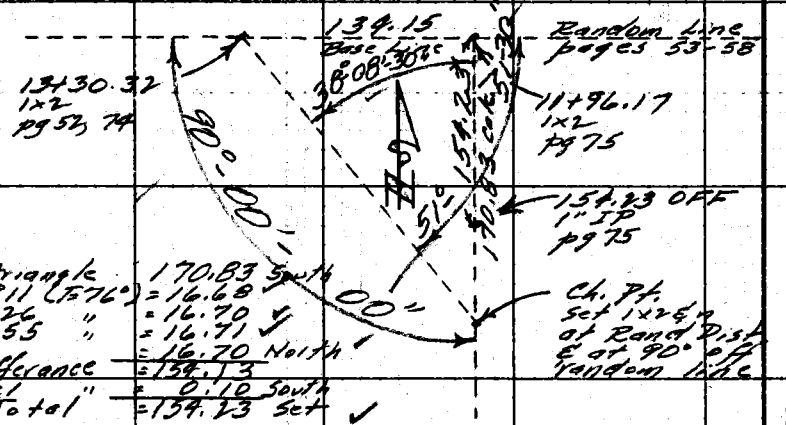
SHOWING METHOD OF SETTING

154.23 FT. DIST. SHOWN ON PG. 75

1) 51 51 20
4) 207 26 10
6) 311 09 00
Av) 51 51 30

1) 38 08 40
4) 152 37 00
6) 228 51 20
Av) 38 08 33 1/3

1) 90 00 00
4) 360 00 10
6) 180 00 00
Av) 90 00 00



By Calc fr. triangle 170.83 South
1) 18.29 @ 24°11 (T=76°) = 16.68
2) 18.65 @ 26 26 " = 16.70
3) 18.42 @ 24 55 " = 16.71
Avg = 16.70 North
Difference = 154.13
0.10 @ Level " = 0.10 South
Total = 154.23 Set

EXPLANATION OF CHAINING

Sec Page				
75	1) 56.48 @ 36°09'00"	(T= 60°)	= 45.60	
	2) 57.26 @ 37 14 40	"	= 45.59	
	3) 56.78 @ 36 35 20	"	= 45.60	
	Avg		= 45.60	
	0.17 @ Lev	Ahd.	= 0.17	set North
		Total	= 45.77	set
74	1) 167.19 @ 6° 40'	(T= 68°)	= 166.04	
	2) 167.30 @ 7 01	"	= 166.03	
	Avg.		= 166.03	South
	5.65 @ Lev		= 5.65	North
		Difference	= 160.38	

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 Lux Arboretum
Map No.	JN 0016.01 Tape Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date May 59
Date	Indexed E. C. Johnson

F. B. ~~4348~~ 1384 Pg. 71

6+63.80 07

Contd from page 54

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.

1) 169.33 @ 19°12 (T=68°) = 159.89
2) 169.66 @ 19°32 " = 159.88
Avg. = 159.88

1) 153.62 @ 25°38 (T=68°) = 138.49
2) 152.82 @ 24°57 " = 138.55
Avg. = 138.52
3) 153.27 @ 25°21 " = 138.50
4) 152.59 24°47 = 138.53

Avg. Moved Pipe South 0.07
Difference = 138.45

CALIF. STATE ARBORETUM

138.52

NW 1/4

5+25.28
Set 1x2 Sn
on N slope
of Clamshell
Ridge

159.88

WEST LINE SE 1/4 SECTION 14

SE 1/4

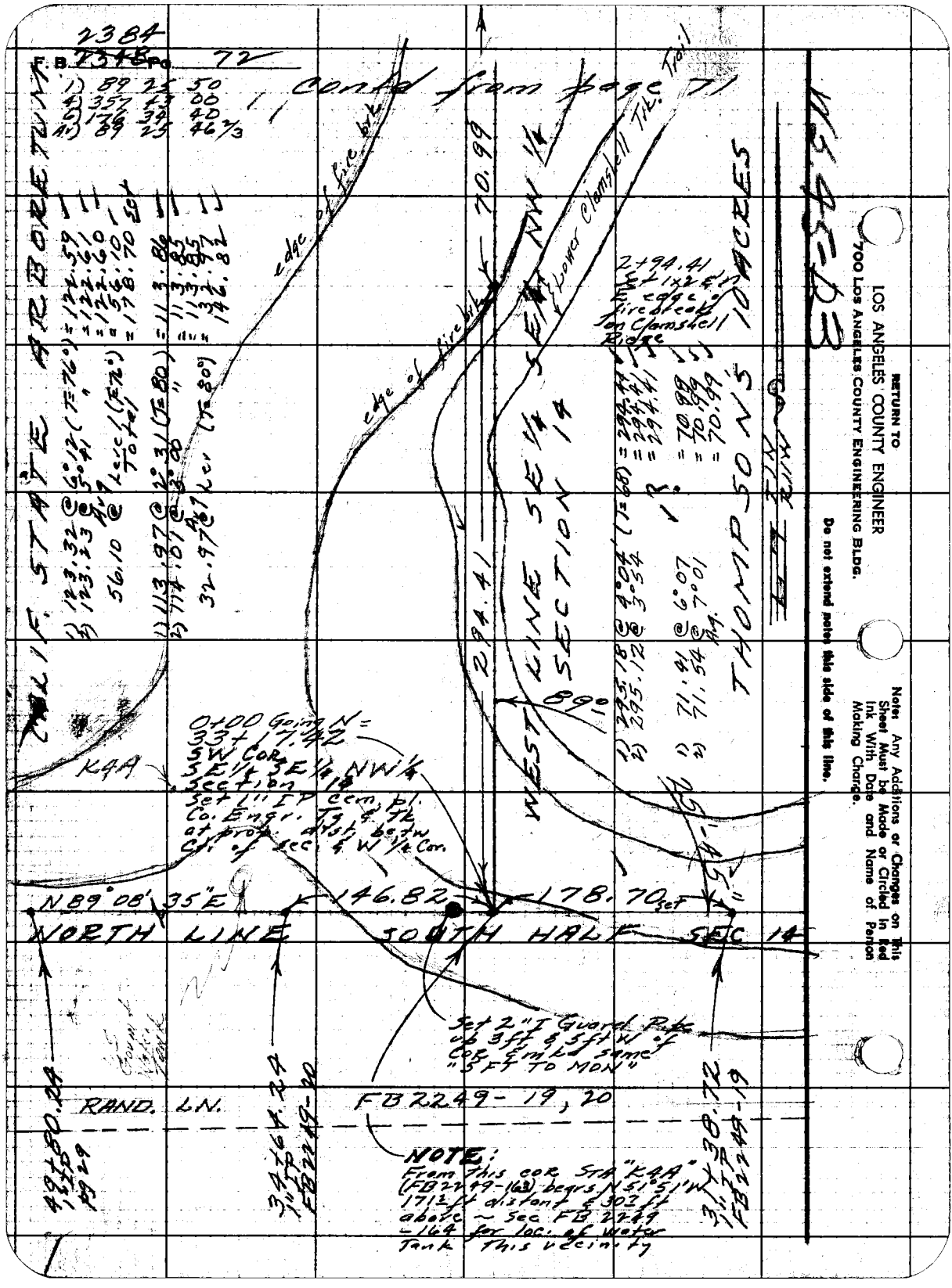
THOMPSON'S
10 AC.

3+65.40
Set 1x2 Sn
at W edge of
firebreak on
Clamshell Ridge

70.99

Contd on page 72

76F309S CE #247—3-57



2384
F.B. 2348 Pg. 72
1) 89 25 50
4) 357 43 00
6) 176 34 40
Av) 89 25 46 2/3
Contd from page 71
CALIF. STATE ARBORETUM
1) 123.32 @ 6°12 (T=76°) = 122.59
2) 123.23 @ 5°41 " = 122.61
Av 56.10 @ Level (T=76°) = 56.10
Total = 178.70 set
1) 113.97 @ 2°31 (T=80) = 113.86
2) 114.01 @ 3°00 " = 113.85
Av 32.97 @ Lev (T=80°) = 132.97
146.82
edge of fire brk
edge of fire brk
70.99
294.41
WEST LINE SE 1/4 SE 1/4 NW 1/4
SECTION 14
Lower Clamshell Trk. Trail
2+94.41
Set 1x2 E/W
E edge of fire break
Ton Clamshell Ridge
1) 295.18 @ 4°04' (T=68) = 294.44
2) 295.12 @ 3°54 = 294.41
= 294.41
1) 71.41 @ 6°07 = 70.99
2) 71.54 @ 7°01 = 70.99
Av. = 70.99
THOMPSON'S 10 ACRES
T1N
R11W
89°
25'-45"
0+00 Going N = 33+17.42
SW Cor. SE 1/4 SE 1/4 NW 1/4 Section 14
Set 1" IP Cem. pl. Co. Engr. Tg. & Tk at prop. dist. betw Ct. of sec. & W 1/4 Cor.
K4A
N 89°08' 35"E
146.82
178.70 set
NORTH LINE SOUTH HALF SEC 14
Set 2" I Guard Pipe up 3 ft & 5 ft W of Cor. Emk. same "5 FT TO MON"
RAND. LN.
FB 2249-19, 20
49+80.24
1" IP
FB 2249
34+64.24
1" IP
FB 2249-20
31+38.72
1" IP
FB 2249-19
NOTE:
From this cor. STA "K4A" (FB 2249-163) bears N 51°51' W 171.2 ft distant & 30.7 ft above ~ Sec FB 2249-164 for loc. of Water Tank this vicinity
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 Charge.

2384

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 101 Std 84 °F
Office Work	Surveyed by R.F. Mitchell
Checked	Notes Mitchell Date May 59
Date	Indexed A.C. Johnson

F. B. 7948 PG. 73

1) 90 00 00
2) 360 00 10
3) 180 00 10
4) 90 00 01½

Contd on page 74

NOTE: See Also Page No 77

NOTE: For Corrected Location Parcel 2-E See Pgs 131-138 9/16/59 R.J.M.

PARCEL 2-E (100) (90)

00' - 00"

90°

Set in 1.39 off from a set 90° 99.98 Meas

Set 90.00

100.01 Calc E m. pg 77

Set 190.00

1.39 Set

1.39 Set

Set 1.39

Set 1x2 E m. Colo. Blue Line from NW 1/4 Cor. in Sec Also Page 77

Set 1x2 E m. Colo. Blue Line from NW 1/4 Cor. in Sec Also Page 77

Set L+TP centerline 19 ft E of 1x2 E m. Bro. Colo. Blue Line from NW 1/4 Cor. in Sec 14 ~ Also Page 77

1) 46.82 @ 4°51 (T=80°) = 46.65 0+00
2) 46.75 @ 3°51 " = 46.64 " " P.B.
Avg = 46.64 pg 50, 47, 12
43.36 @ Lev " = 43.36
Total = 90.00

NORTH LINE - SOUTH HALF SECTION 14

1) 59.78 @ 2°32 (T=80°) = 59.72
2) 59.88 @ 4°21 " = 59.73
Avg = 59.72
1) 129.35 @ 11°18 (T=80°) = 126.84
2) 129.46 @ 11°35 " = 126.82
3.44 @ Lev (Set) = 3.44
Total = 190.00

99.99 @ Lev (T=80°) = 99.98
Calc. Chain from Point of Intersect line of Sec

1x2 E m. pg 51

4+39.15 Calc. E set Set 1x2 E m in cut bench

4+37.76 Calc. E set 1x2 E m. in cut bench

EAST LINE - NW 1/4 SEC 14 T 1N R 14W

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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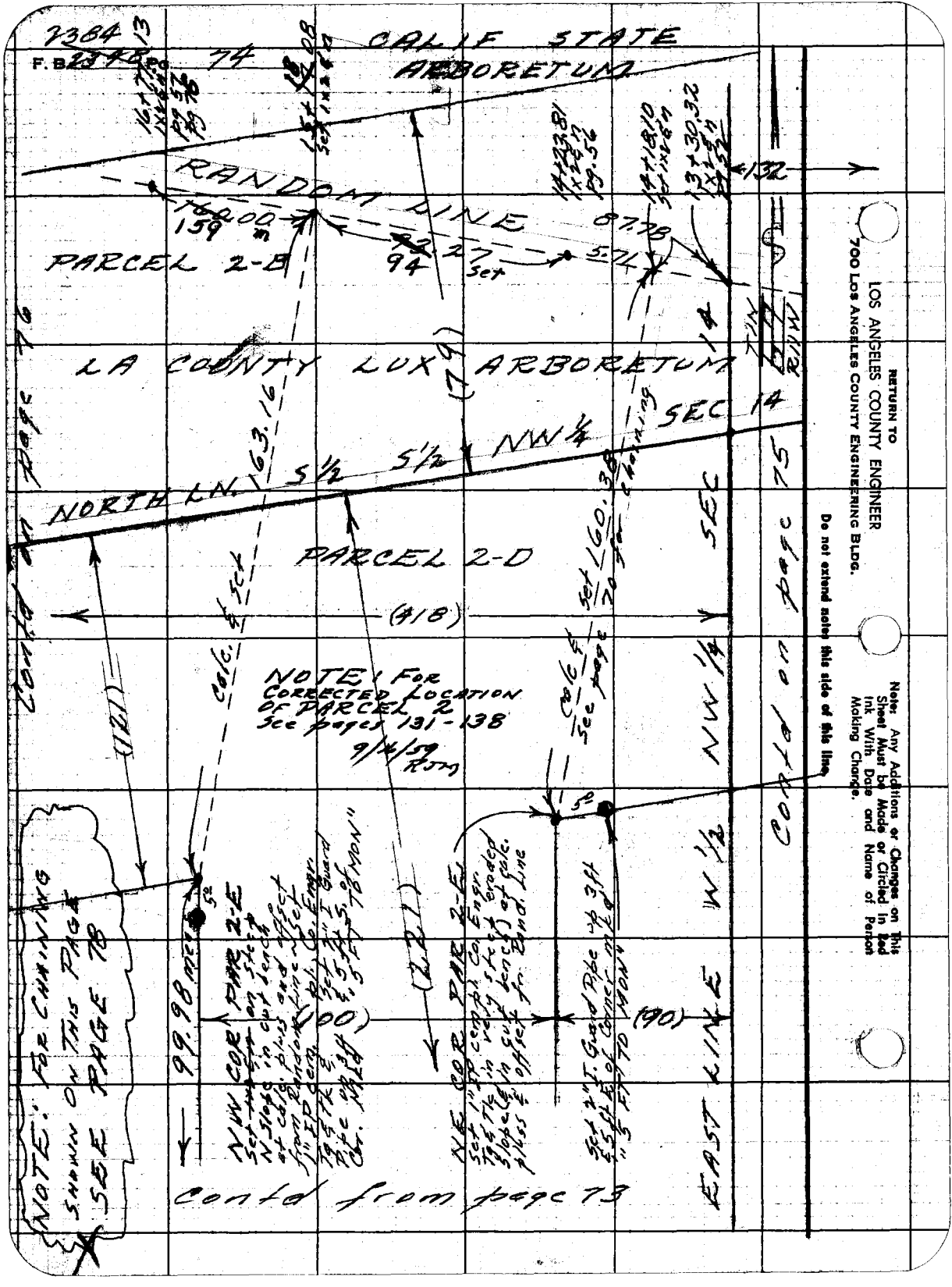
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F305 CE #247—3-57



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

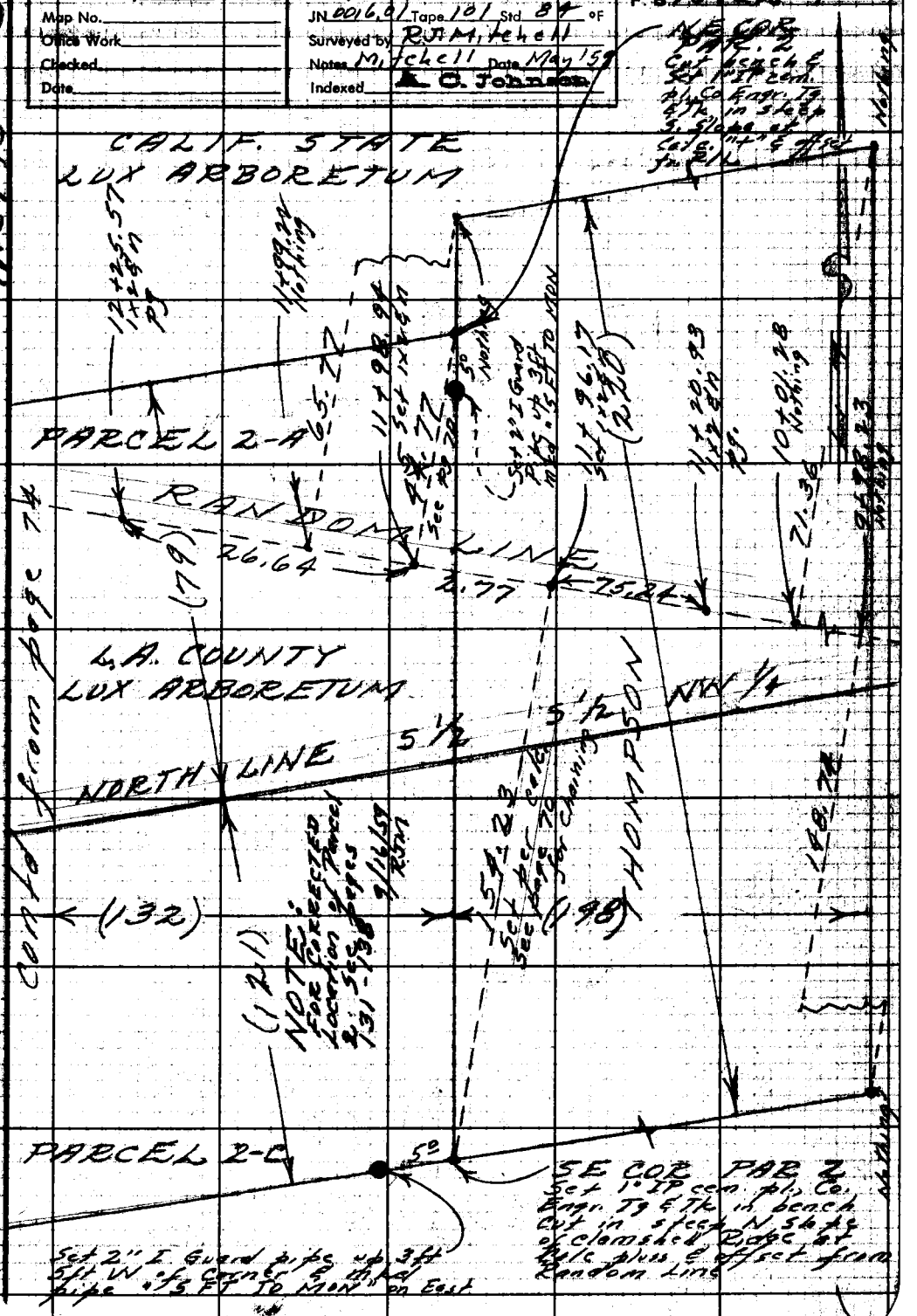
Do not extend notes this side of this line.

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 Lux Arboretum
Map No.	JN 0016.01 Tape 101 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date May '59
Date	Indexed A. C. Johnson

F. B. ~~2348~~ 2384 Pg. 75

W.S. 45-03



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.

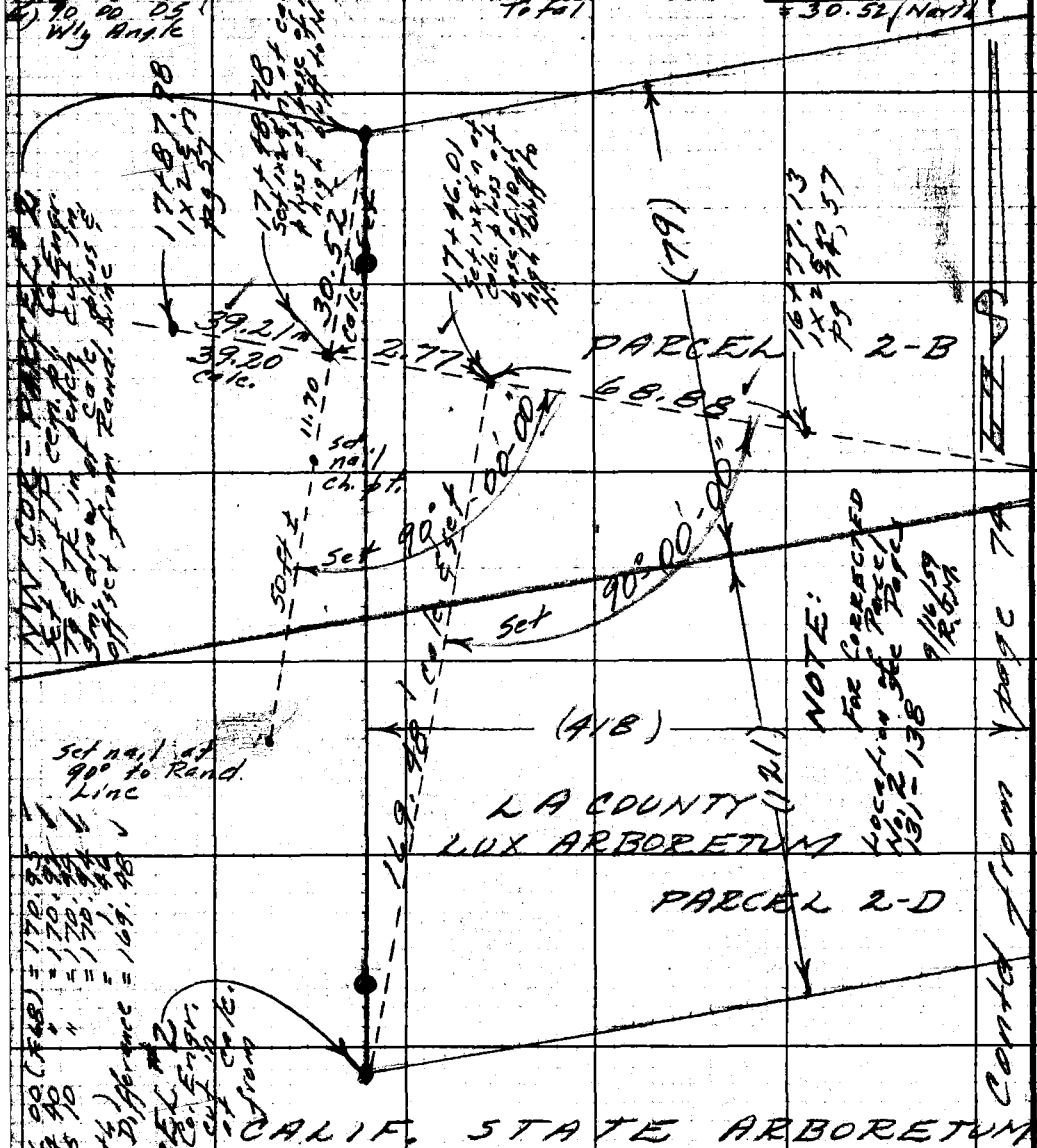
76F309S CE #247—3-57

2384

F.B. ~~2348~~ Pg. 76

1) 90 00 00
2) 180 00 10
3) 90 00 05
4) Wly Angle

11.70 @ Lev (T=60°) = 11.70
1) 46.34 @ 23°45 " = 42.41
2) 46.85 @ 25°09 " = 42.40
Avg = 42.40 North
0.18 @ Lev " = 0.18 South
Total = 30.52 North



1) 200.73 @ 31 36 00 (T=68) = 170.95
2) 201.38 @ 31 54 40 " = 170.92
3) 201.05 @ 31 45 10 " = 170.94
Avg = 170.94
Back (North) = 1.46
Difference = 169.48

SW COR PARCEL #2
Set 1" IP cem. pl. Co. Engr. Tg & Tc in pitch cut in Steep side hill at calc. pluss & offset from Random Line

1) 67.40 @ 9°30 (T=58°) = 66.47
2) 67.29 @ 8°54 " = 66.47
Avg = 66.47
2.41 @ Level (Ahd) = 2.41
Total 68.88

2.77 @ Level = 2.77

1) 40.15 @ 12°17 (T=56°) = 39.22
2) 40.32 @ 13°24 " = 39.21
Avg = 39.21

1) 90 00 00
2) 180 00 10
3) 360 00 00
Avg 90 00 00
Ely Angle

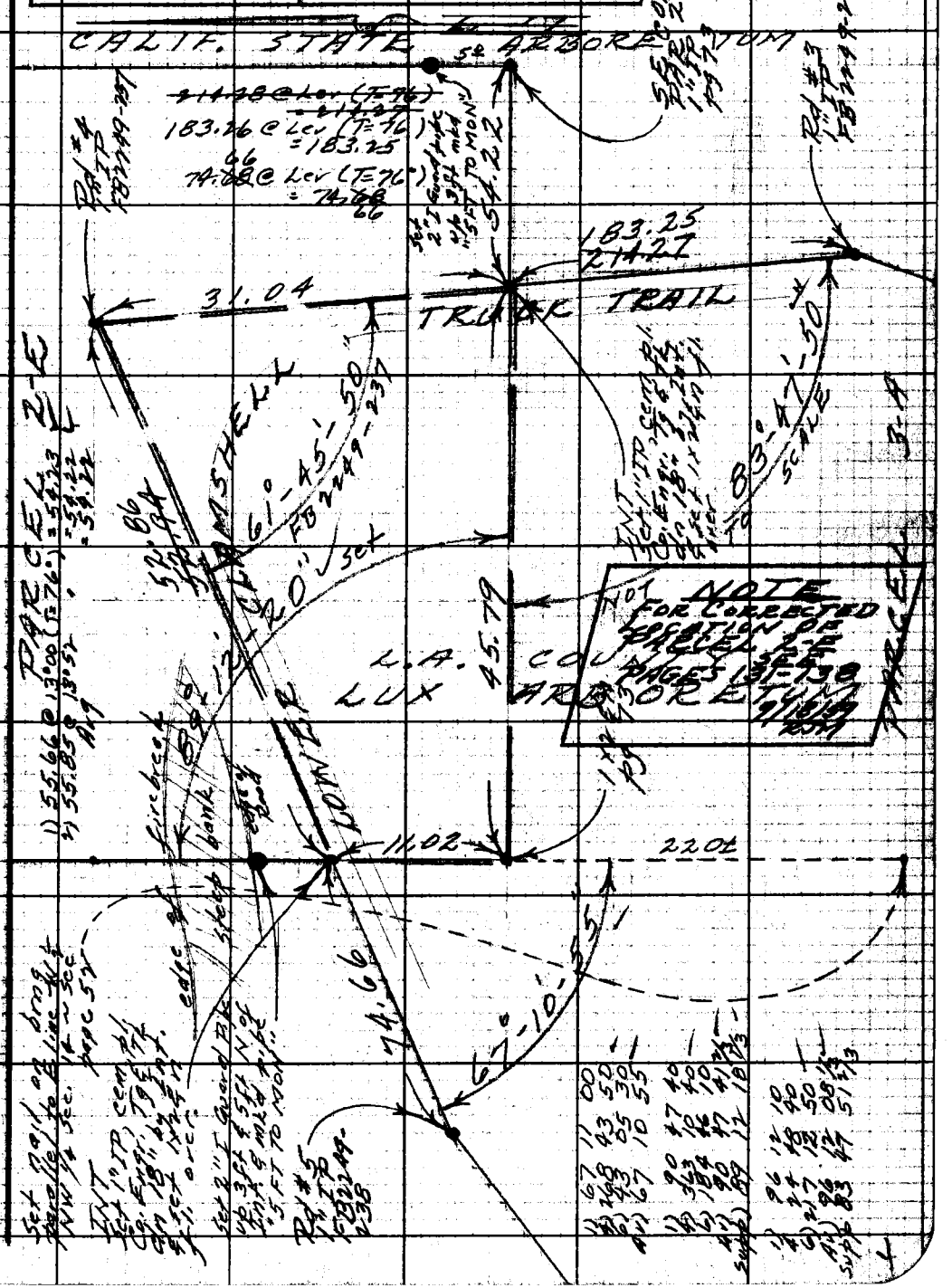
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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 Lux Arboretum
Map No.	JN 0016.01 Tape 101 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date May '59
Date	Indexed A. C. Johnson

F. B. ~~2348~~ 2384 Pg. 77



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.

76F309S CE #247—3-57

2384
F.B. ~~2348~~ Pg. 78

EXPLANATION OF CHAINING

See Page				
	1) 75.11 @ 17°17 (T= 76°)	= 71.72	✓	11+20.93
	2) 75.38 @ 17 58 "	= 71.70	✓	
	3) 75 21 @ 17 34 "	= 71.70	✓	
	Avg	= 71.70	✓	
75	3 54 @ Level Total	= 3.54	✓	
		= 75.24	✓	
75	2 77 @ Level	= 2 77	✓	11+96.17
75	1) 26 64 @ "	= 26 64	✓	11+98.94
				12+25.58
				12+25.57
	1) 92 18 @ 23 04 (T= 80°)	= 84 81	✓	13+30.32
	~~2) 90 87 @ 20 59 "~~	~~= 84 84~~		
	~~3) 90 68 @ 20 44 "~~	= 84 81	✓	
	4) 91 98 @ 22 45 "	= 84 82	✓	
	Avg	= 84 81	✓	
74	2 97 @ Level Total	= 2 97		
		= 87 78	✓	
74	5 71 @ Level	= 5 71	✓	14+18.10
	1) 114 65 @ 26 34 (T=72°)	= 102 53	✓	14+23.81
	~~2) 114 21 @ 26 05 "~~	~~= 102 57~~		
	~~3) 114 48 @ 26 23 "~~	~~= 102 55~~		
	4) 114 22 @ 26 08 "	= 102 53	✓	
	Avg	= 102 53	✓	
74	8~~9~~ 26 @ Level Back	= 8~~9~~ 26	✓	
	Difference	= 9~~34~~ 27		
	1) 151 32 @ 5 00 (T=76°)	= 150 73	✓	15+~~17~~ 18.08
	2) 151 25 @ 4 38 "	= 150 75	✓	
	3) 151 21 @ 4 28 "	= 150 74	✓	
	9 26 @ Level Ahd.	= 8~~9~~ 26	✓	
	Total	= ~~160~~ 159 00		
74				16+77.08
				pg 57 = 16+77.13

1) D	211.15 @ 39 24 50	(39 24 55)	(T= 72°)	= 163.12	✓
R	39 25 00				
2) D	211.75 @ 39 37 20	(39 37 20)	"	= 163.09	✓
R	39 37 20				
3) D	211.52 @ 39 30 50	(39 31 05)	"	= 163.16	✓
R	39 31 20				
4) D	212.02 @ 39 40 50	(39 41 25)	"	= 163.14	✓
R	39 42 00				
5) D	211.62 @ 39 33 10	(39 33 35)	"	= 163.14	✓
R	39 34 00				
	Avg			163.13	✓
	Set per calc.	Ahd (South)	Total	0.03	
				163.16	✓

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

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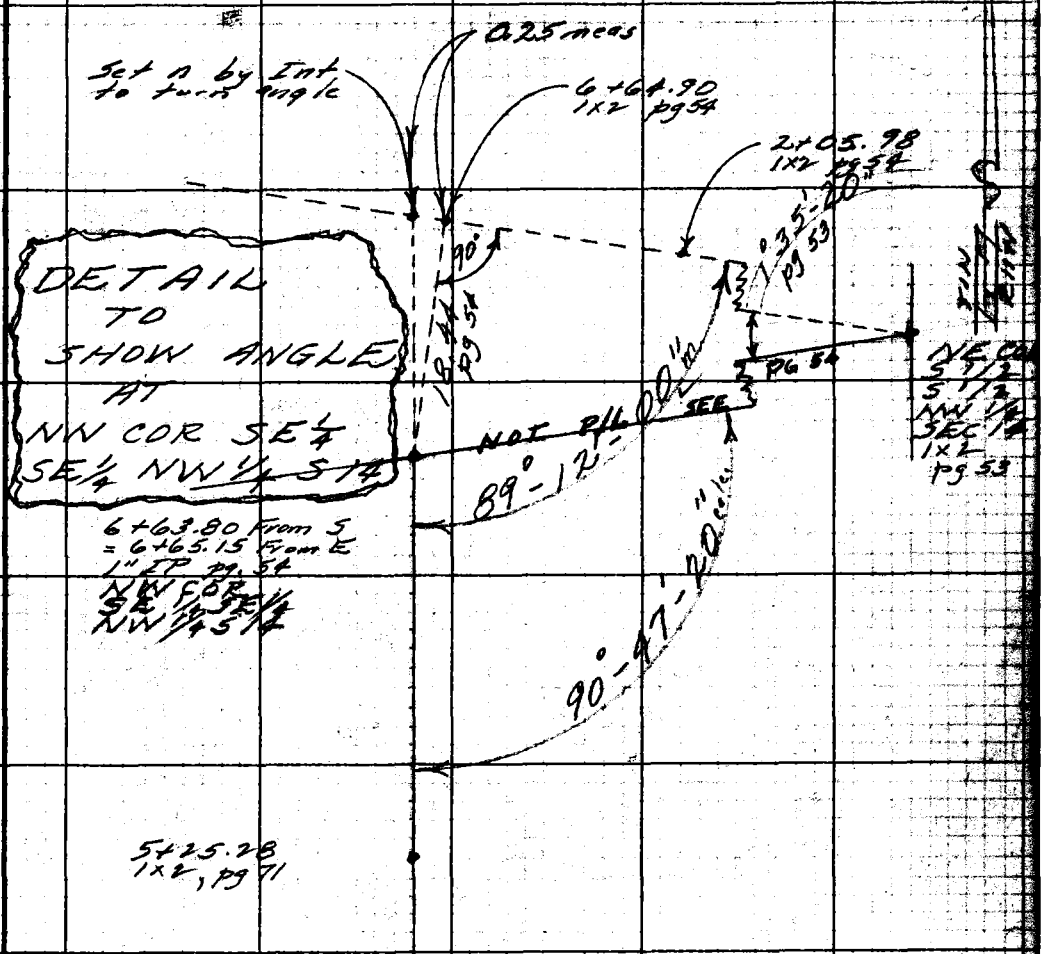
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lux Arboretum	F. B. ~~7348~~ 2384 PG. 79
Map No.	JN 0016.01 Tape Std 84 °F	1) 89 12 00
Office Work	Surveyed by R.J. Mitchell	4) 356 48 10
Checked	Notes Mitchell Date 5/59	6) 175 12 00
Date	Indexed C. Johnson	11) 89 12 00

W.J. 45-D3



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.

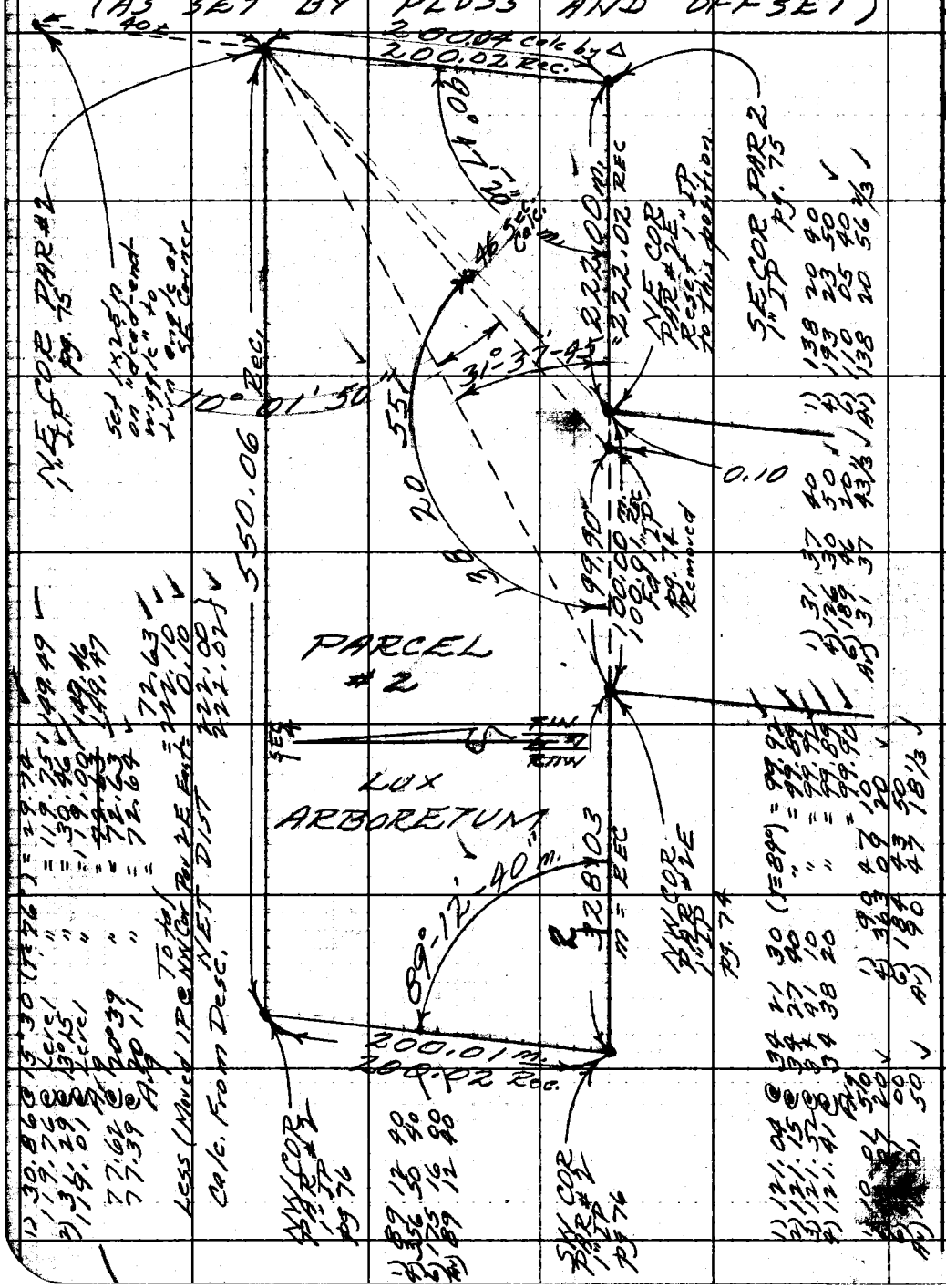
76809S CE #247—7-55

F.B. ~~2348~~ 2384 PG. 80

DETAIL

TO SHOW METHOD OF CHECKING CORNERS OF PARCEL NO. 2

(AS SET BY PLUSS AND OFFSET)



WS.45-03

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LOS ANGELES COUNTY ENGINEER
100 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 Lux Arboretum
Map No.	JN 0016.04 Tape 47 Std 84 °F
Office Work	Surveyed by R.J.M. Itchell
Checked	Notes Mitchell Date 6/59
Date	Indexed C. Johnson

F. B. 2384 PG. 81

EXPLANATION OF DISTANCES
SHOWN ON PAGE 80

1) 53.08 @ 1°34' (T=84°) = 53.06
2) 53.11 @ 2°15' " = 53.07
Avg = 53.06
1) 135.60 @ 15°16' " = 130.81
2) 135.73 @ 15°27 " = 130.82
Avg = 130.81
1) 47.05 @ 20°13 " = 44.75
2) 46.84 @ 19°27 " = 44.17
Avg = 44.16
Total = 228.03

~~1) 216.17 @ 22°30' (T=82°) = 199.95~~
2) 215.72 @ 22°01 " = 199.99
3) 216.02 @ 22°13 " = 199.98
Avg = 199.98
0.03 Moved Pipe at SW = 0.03
Corner South
Total = 200.01

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.

763095 CE #247—7-53

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 6/59
Date	Indexed R. C. Johnson 8-1-60

F. B. 1384 PG. 83

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.

SURVEY SHOWING
SOURCE OF WATER AND
LOCATION OF WATERLINES
FOR PORTIONS OF
LUX ARBORETUM
LYING SOUTH OF CLAMSHELL R.

J.N. 0016.01

R.J. Mitchell
L.C. Smiley
M.L. Bustrum
I.X. Rangel
E.C. Moya
R.R. Rodriguez

June & July 1959

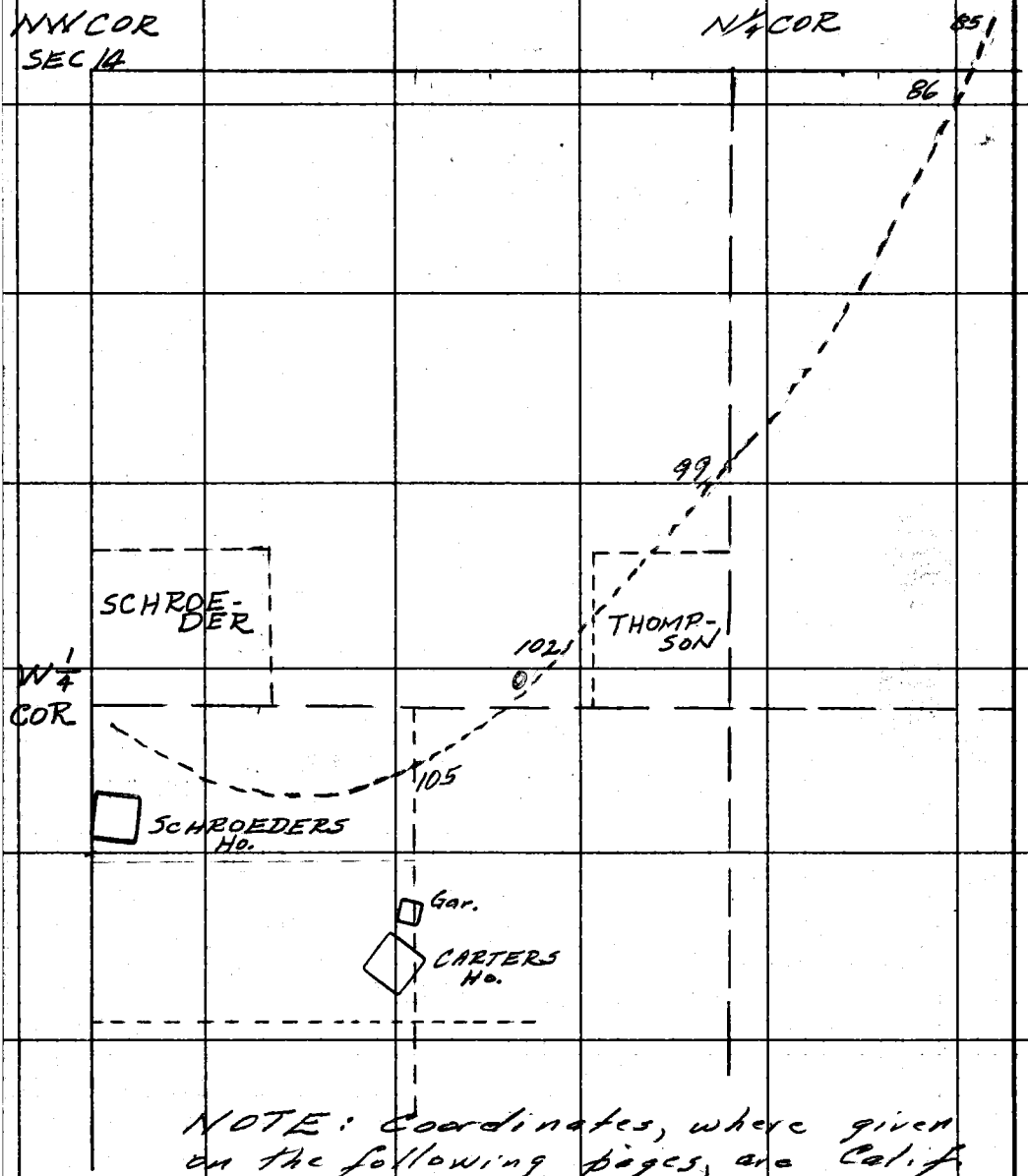
NOTE: From Sta W-1 to Sta W-37 pipe line follows along (in or very near) a 3 to 4 foot wide foot trail

783098 CE #247—7-58

F. B. 2384 PG. 84

INDEX

TRANSIT LINE FOR CONTROL
SHOWN ON PGS 85-110 & 141-152
PIPE LOCATION SHOWN ON PGS 111-124
& ON PLANETABLE SHEET D-452



NOTE: Coordinates, where given on the following pages, are Cal. St. Coord. Sys. Zone 7 Coords. as calc. from △ Stns K-4 & R4A FB 2249-171

RETURN TO
LOS ANGELES COUNTY ENGINEER
700 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.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 110 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date 6/59
Date	Indexed K. C. Johnson

F. B 2384 PG. 85

BEGIN THIS SURVEY
Assumed Station 10+00
W-0
Set 1x2 & n near headworks of present water supply for Lux Arboretum - See page 113 for detail

Sec 11
T1N R11W

11+15.62
W-1
Set 1x2 & n in foot trail

FOR LOCATING TOPOGRAPHY

115.62
(N 20° W)

153°-58'-15"

117.48

180°-42'-00"

12+33.10
W-2
Set 1x2 & n

TRANSIT LINE

121.17

1)	153	58	10
4)	255	52	50
6)	203	49	20
Av)	153	58	13 1/3
1)	180	42	00
4)	362	48	00
6)	364	12	00
Av)	180	42	00

1) 130.82 @ 27°54' (T=82°) = 115.62
2) 131.25 @ 28°14' " = 115.62
Avg = 115.62

1) 117.54 @ 1°48 (T=90°) = 117.48
2) 117.52 @ 1°27 " = 117.48
Avg = 117.48

1) 121.31 @ 2°48 (T=88°) = 121.17
2) 121.37 @ 3°18 " = 121.17
Avg = 121.17

Contd. on page 86

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.

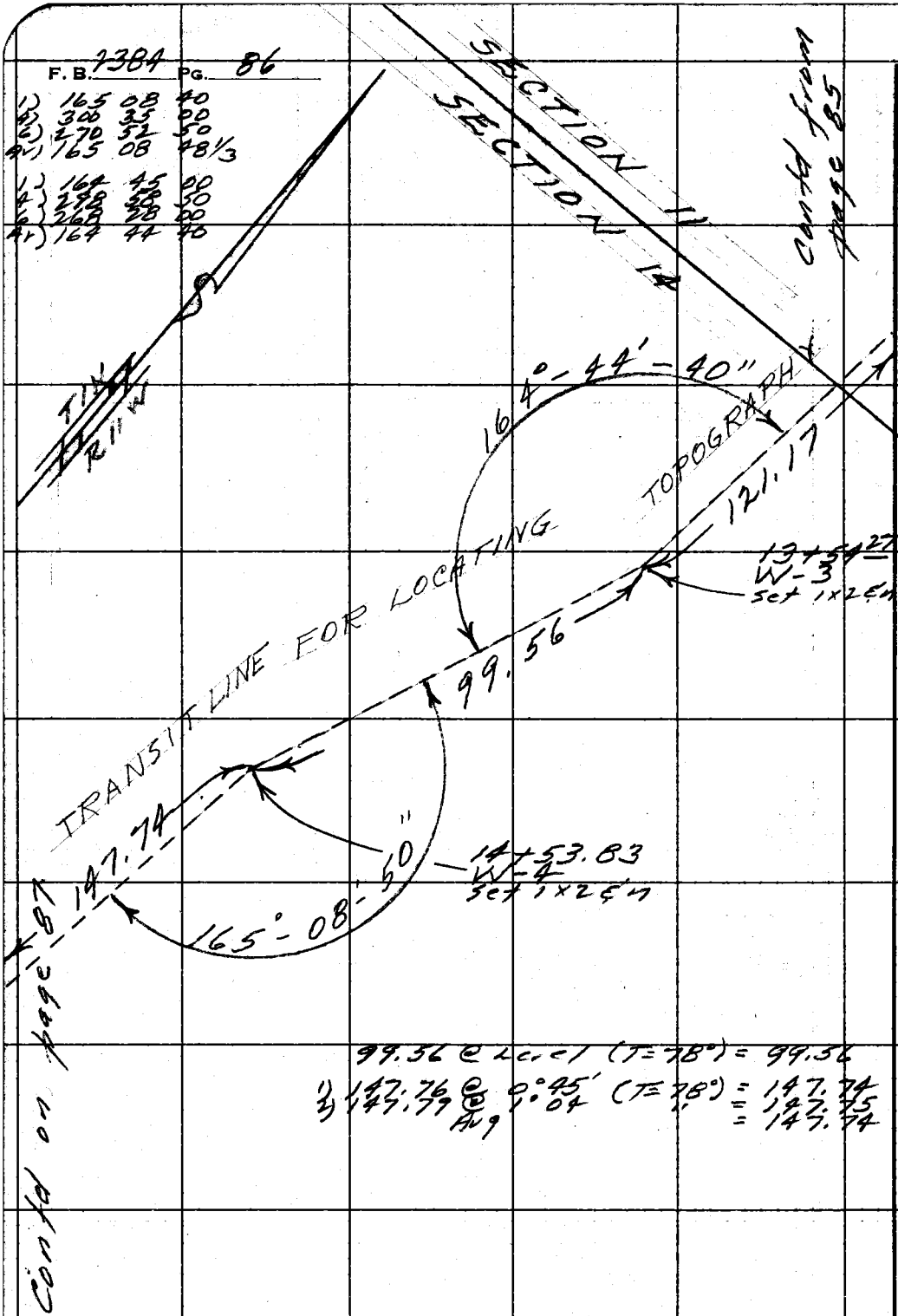
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-53

F. B. 2384 PG. 86

1) 165 08 40
4) 300 35 00
6) 270 52 50
Av) 165 08 48 1/3

1) 164 45 00
4) 298 58 50
6) 268 28 00
Av) 164 44 40



99.56 @ Level (T=78°) = 99.56
1) 147.76 @ 0°45' (T=78°) = 147.74
2) 147.79 @ 1°04 " = 147.75
Avg = 147.74

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

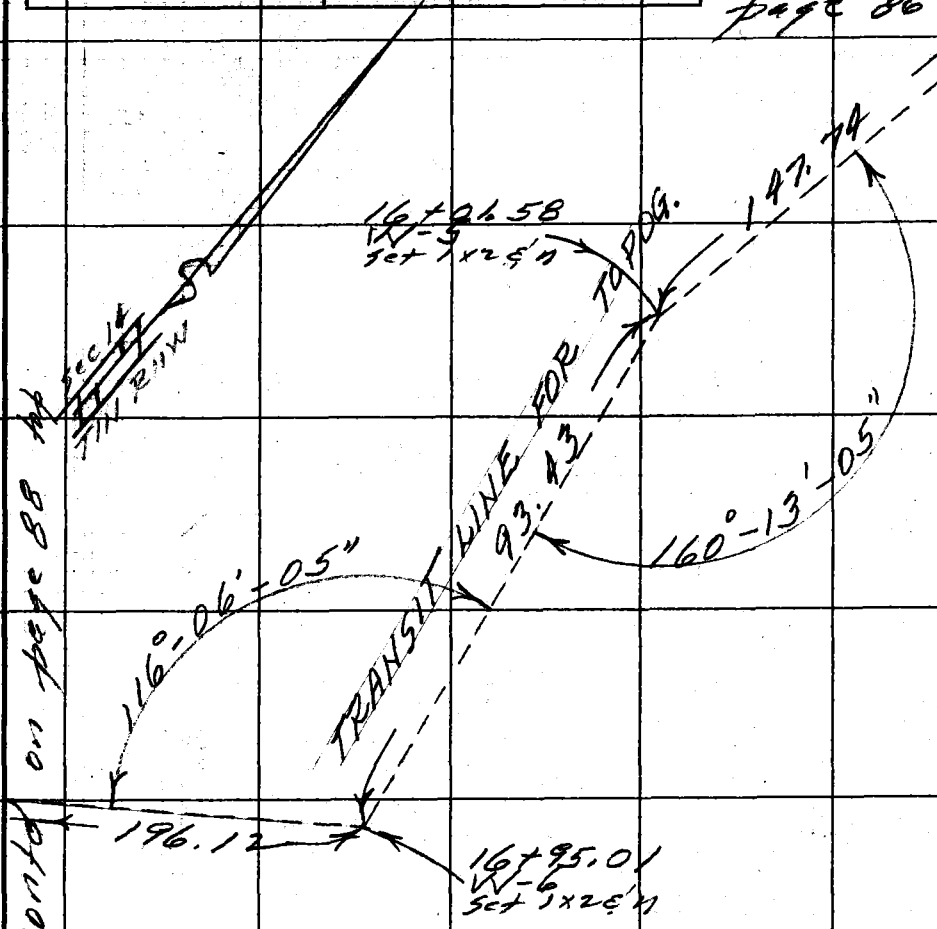
Do not extend notes this side of this line.

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 Arb Arboretum
Map No.	JN 0016.01 Tape 110 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date 6/59
Date	Indexed ~~K. C. Johnson~~

F. B. 2384 PG. 87

cont'd from page 86



1) 116 06 00
2) 104 24 20
3) 336 36 20
116 06 03 1/3

4) 160 13 00
5) 280 52 20
6) 241 18 30
A) 160 13 05

93.43 @ Lcr (T=80°) = 93.43
196.11 @ Lcr (T=94°) = 196.12

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.

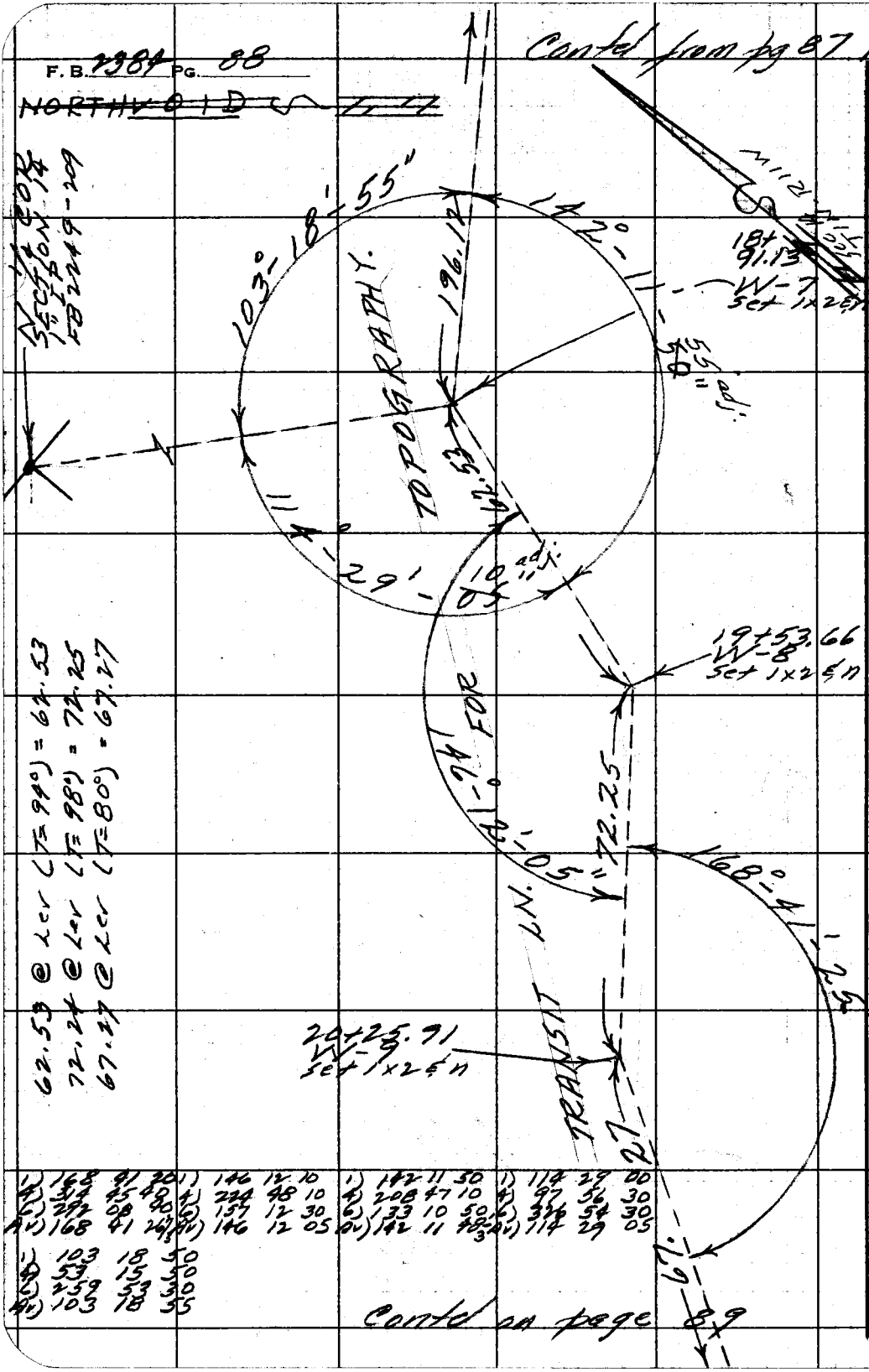
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

783098 CE #247 7-59

F. B. 2384 PG. 88

~~NORTHV 0 1 D~~

Contd from pg 87 left



62.53 @ Lev (T=94°) = 62.53
72.24 @ Lev (T=98°) = 72.25
67.27 @ Lev (T=80°) = 67.27

1)	168	41	20	1)	146	12	10	1)	142	11	50	1)	114	29	00
4)	314	45	40	4)	224	48	10	4)	208	47	10	4)	97	56	30
6)	292	08	40	6)	157	12	30	6)	133	10	50	6)	326	54	30
Av)	168	41	26 1/5	Av)	146	12	05	Av)	142	11	48 1/3	Av)	114	29	05

1)	103	18	50
4)	53	15	50
6)	259	53	30
Av)	103	18	55

Contd on page 89

RETURN TO
LOS ANGELES COUNTY ENGINEER
900 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 Lux Arboretum
Map No.	JN 0016.01 Tape 110 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date 6/59
Date	Indexed C. Johnson

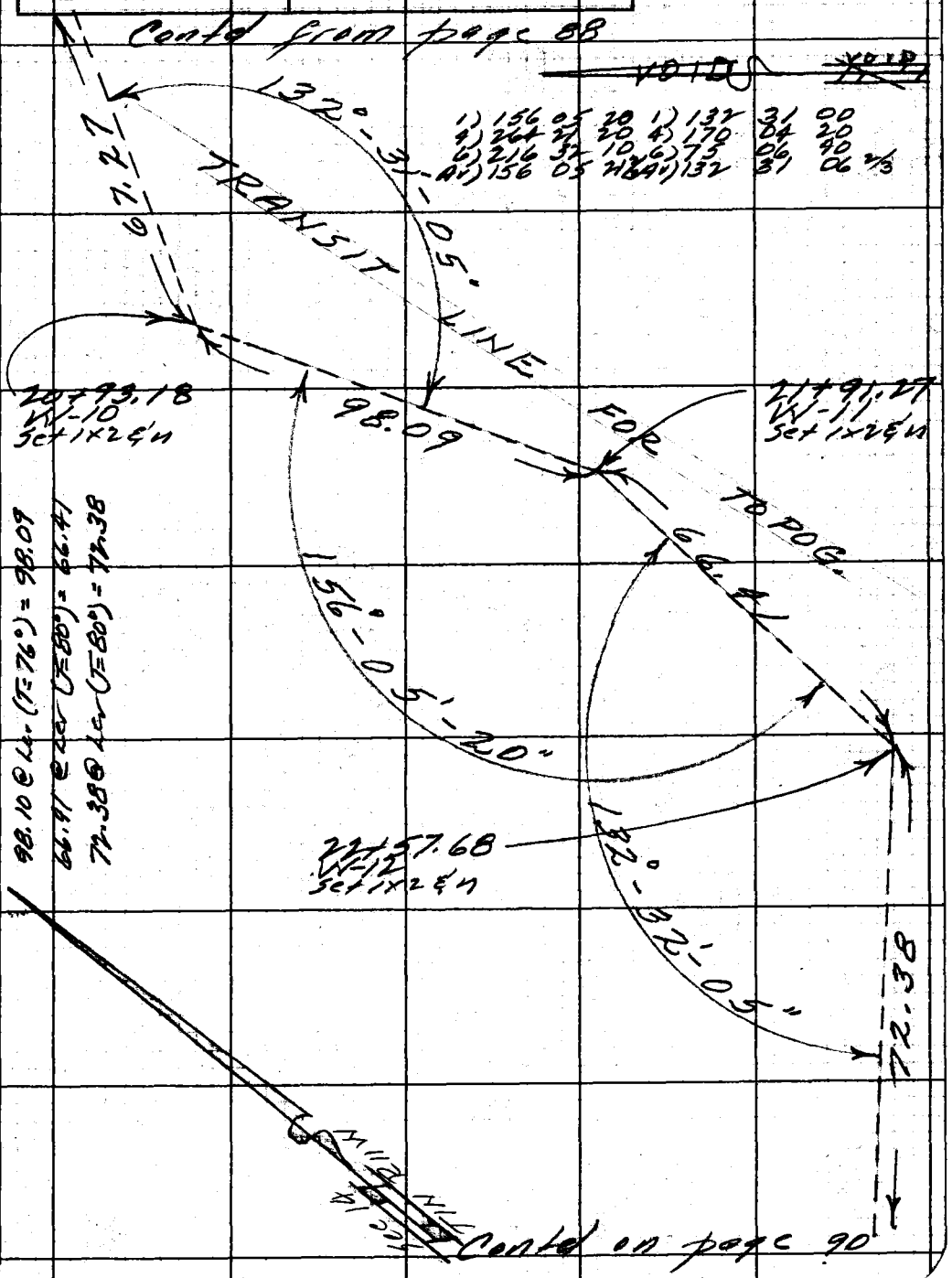
F. B. 2384 PG. 89

1) 132 32 00
4) 170 08 20
6) 75 12 30
Av) 132 32 05

Contd from page 88

~~VOID~~ ~~VOID~~

1) 156 05 20 1) 132 31 00
4) 264 21 20 4) 170 04 20
6) 216 32 10 6) 75 06 40
Av) 156 05 21 Av) 132 31 06 2/3



Contd on page 90

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.

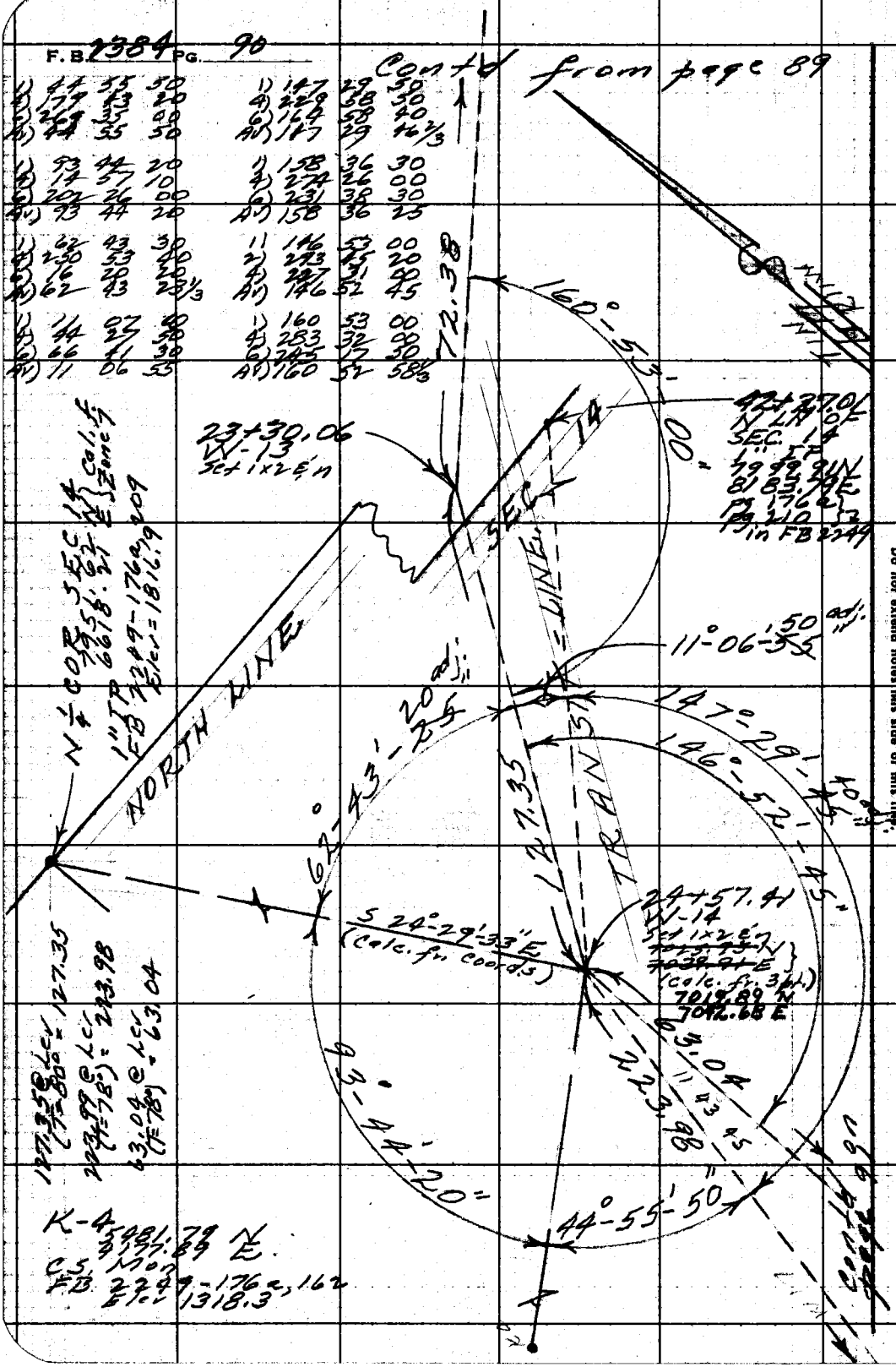
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247—7-53

F.B. 2384 PG. 90

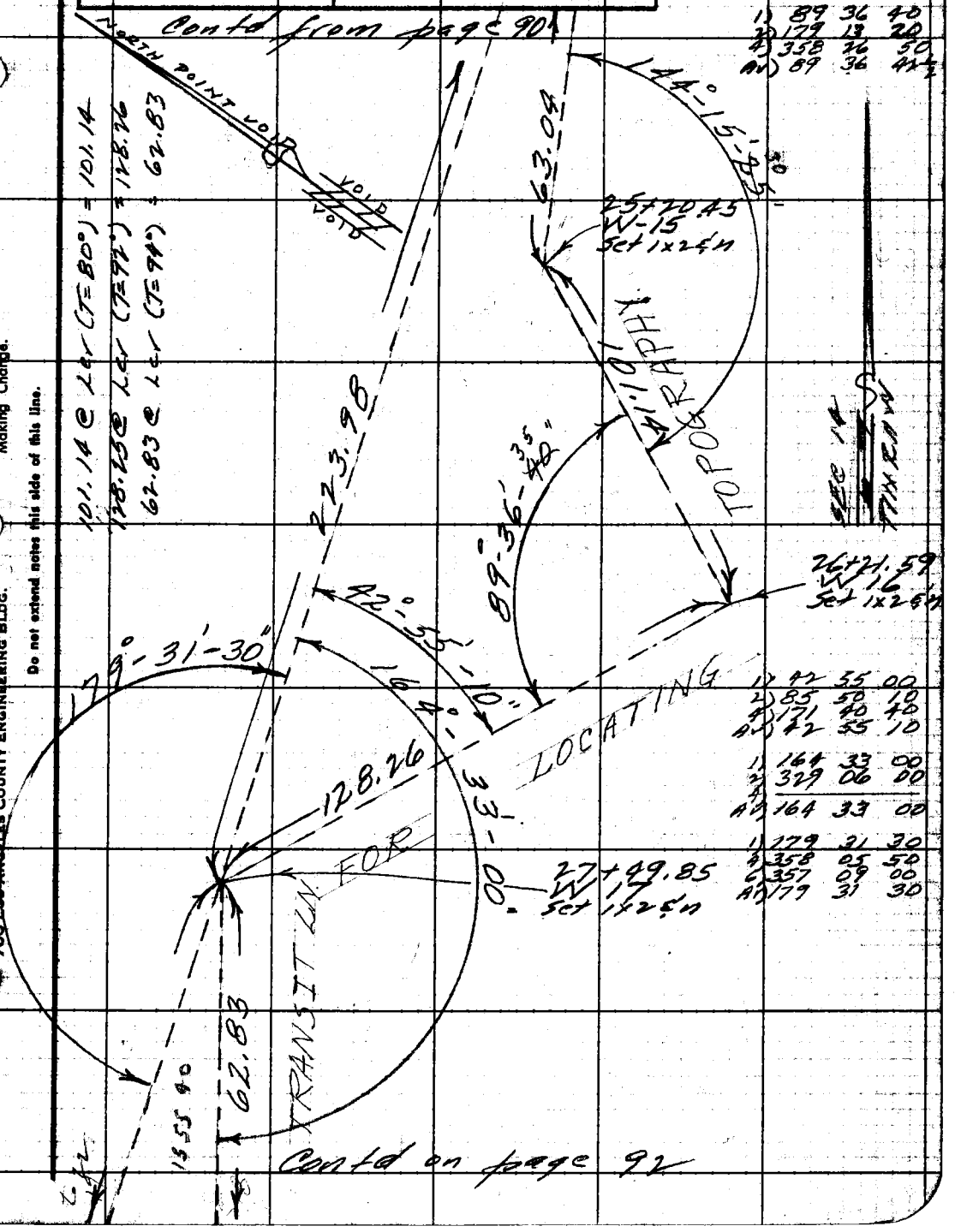
Cont'd from page 89

1)	44	55	50	1)	147	29	50
2)	177	43	20	4)	228	28	50
3)	229	35	00	6)	164	58	40
AV)	44	55	50	AV)	147	29	46 2/3
1)	53	44	20	1)	158	36	30
4)	14	57	10	4)	274	26	00
6)	202	26	00	6)	231	38	30
AV)	53	44	20	AV)	158	36	25
1)	62	43	30	1)	146	53	00
4)	250	53	40	4)	243	45	20
6)	16	20	20	6)	287	31	00
AV)	62	43	23 1/3	AV)	146	52	45
1)	14	07	40	1)	160	53	00
4)	44	27	50	4)	283	32	00
6)	66	41	30	6)	245	17	30
AV)	11	06	53	AV)	160	52	58 2/3



Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 001601 Tape 110 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date
Date	Indexed R. C. Johnson

F.B. 2384 Pg. 91



1)	144	15	30
2)	288	30	00
4)	217	01	40
Av)	144	15	25
1)	89	36	40
2)	179	13	20
4)	358	26	50
Av)	89	36	42½
1)	42	55	00
2)	85	50	10
4)	171	40	40
Av)	42	55	10
1)	164	33	00
2)	329	06	00
4)			
Av)	164	33	00
1)	179	31	30
4)	358	05	50
6)	357	09	00
Av)	179	31	30

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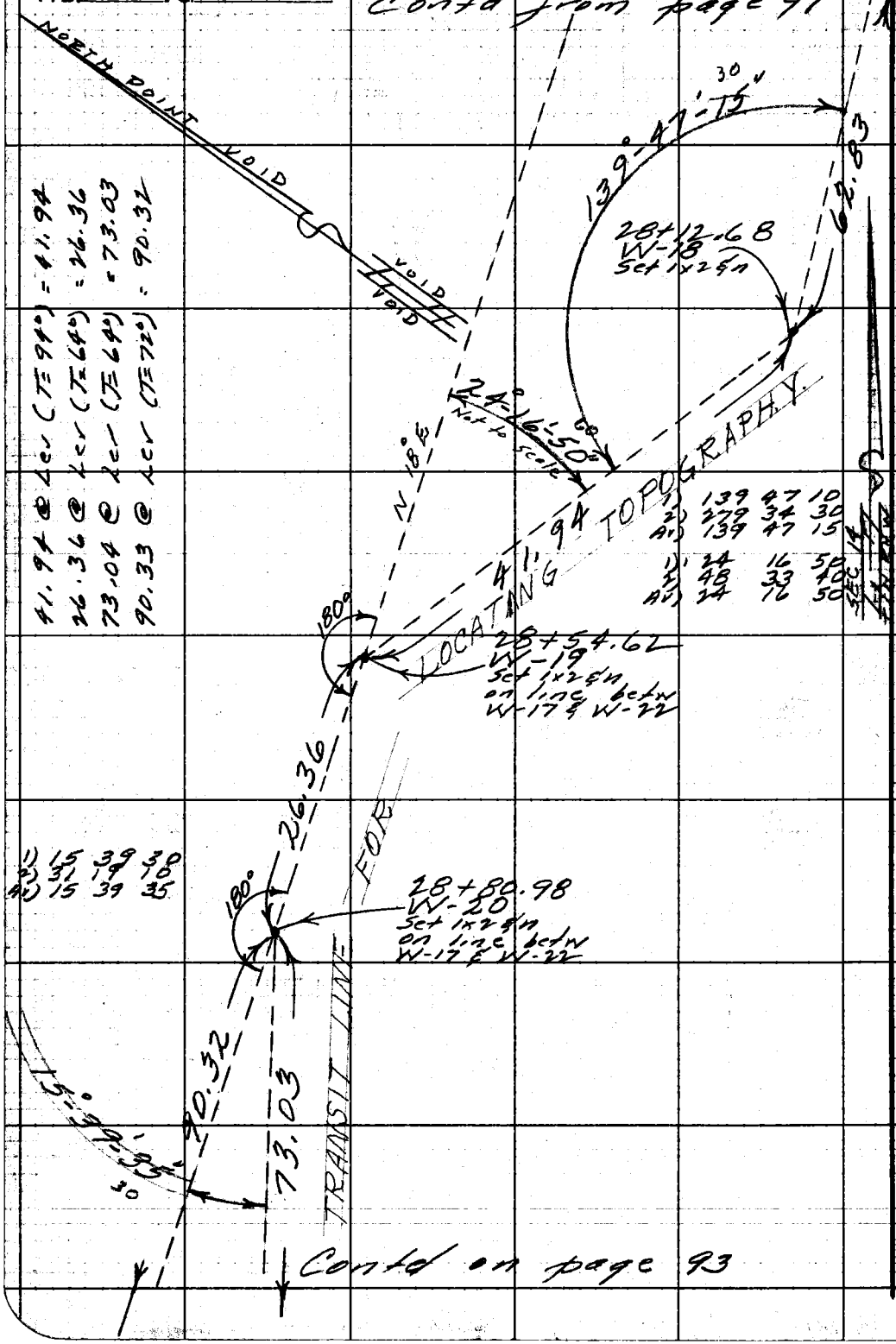
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57

F.B. 2384 PG. 92

Contd from page 91



Contd on page 93

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 Lux Alberetum
Map No.	JN 0016.01 Tape 110 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 6/59
Date	Indexed C. Johnson

F.B. 2384 Pg. 93

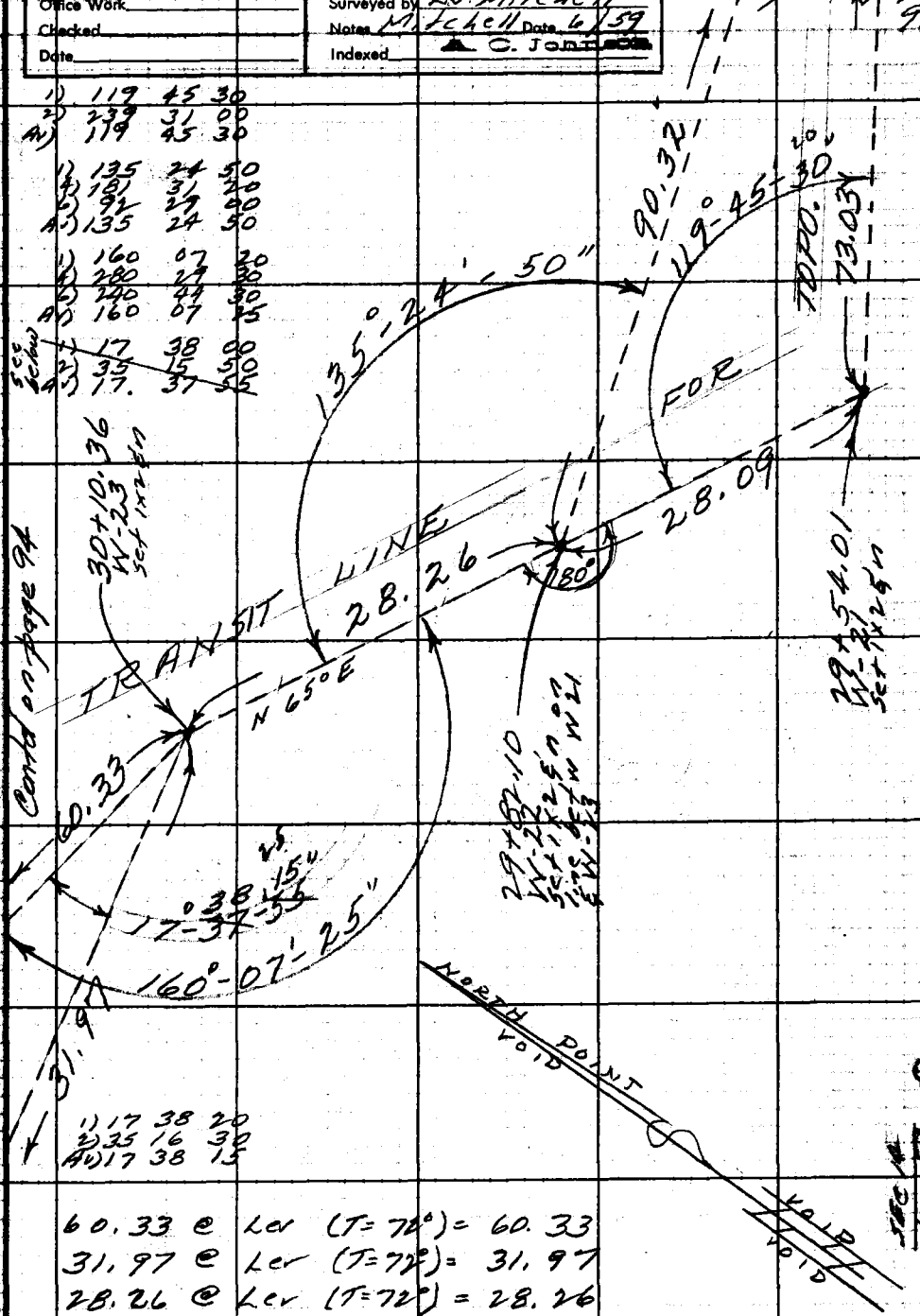
Contd from page 92

1) 119 45 30
2) 239 31 00
Av) 119 45 30

1) 135 24 50
4) 181 31 20
6) 92 29 00
Av) 135 24 50

1) 160 07 20
4) 280 29 30
6) 240 44 30
Av) 160 07 25

see below
1) 17 38 00
2) 35 15 50
Av) 17. 37 55



1) 17 38 20
2) 35 16 30
Av) 17 38 15

60.33 @ Lev (T=72°) = 60.33
31.97 @ Lev (T=72°) = 31.97
28.26 @ Lev (T=72°) = 28.26
28.09 @ Lev (T=72°) = 28.09

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.

76F309S CE #247—3-57

F. B. 2384 Pg. 94

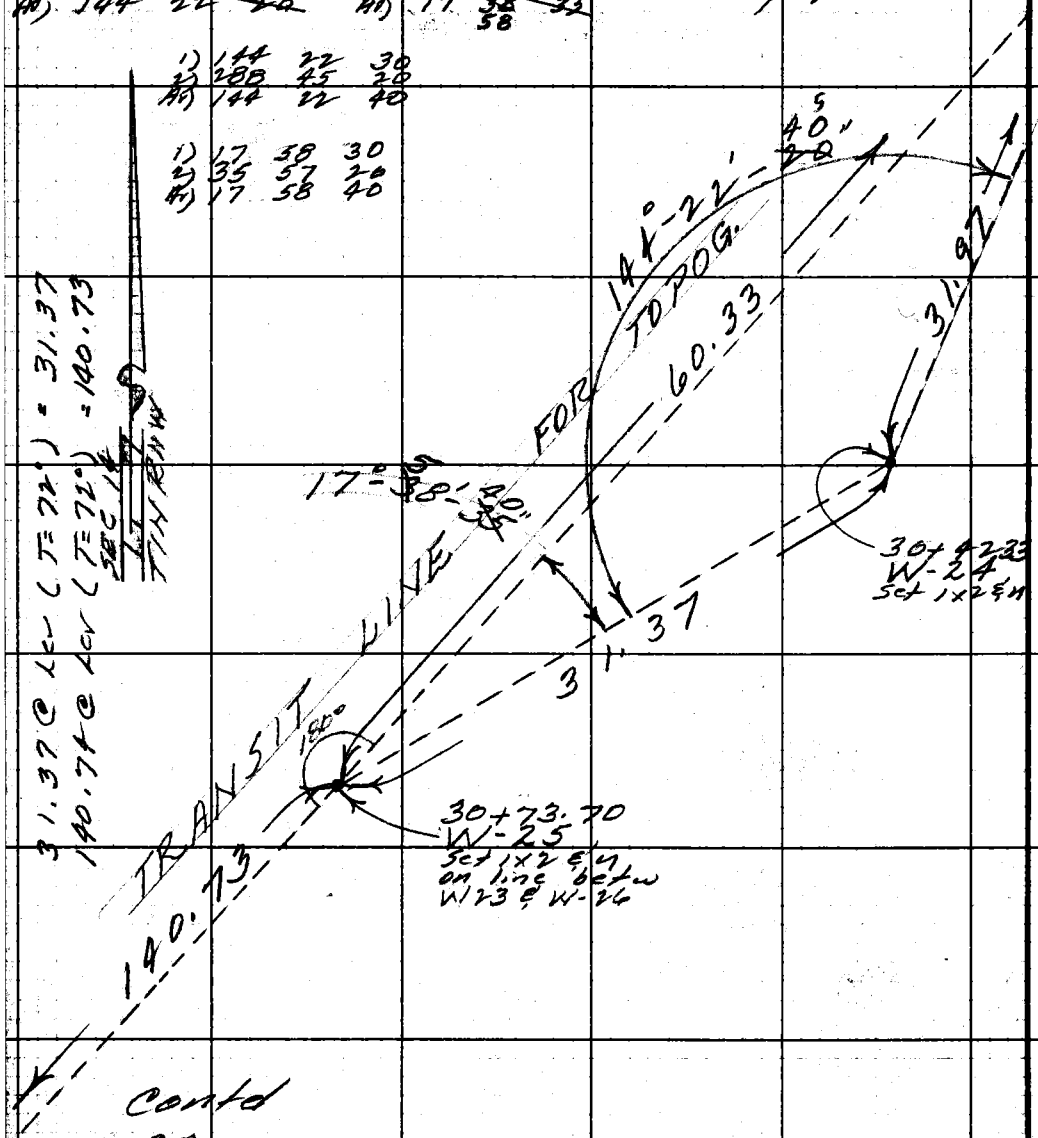
~~1) 144 22 20~~
~~2) 288 44 40~~
~~Av) 144 22 20~~

~~1) 17 58 30~~
~~2) 35 57 10~~
~~Av) 17 38 35~~
58

1) 144 22 30
2) 288 45 20
Av) 144 22 40

1) 17 58 30
2) 35 57 20
Av) 17 58 40

Contd from page 93



Contd on page 95

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

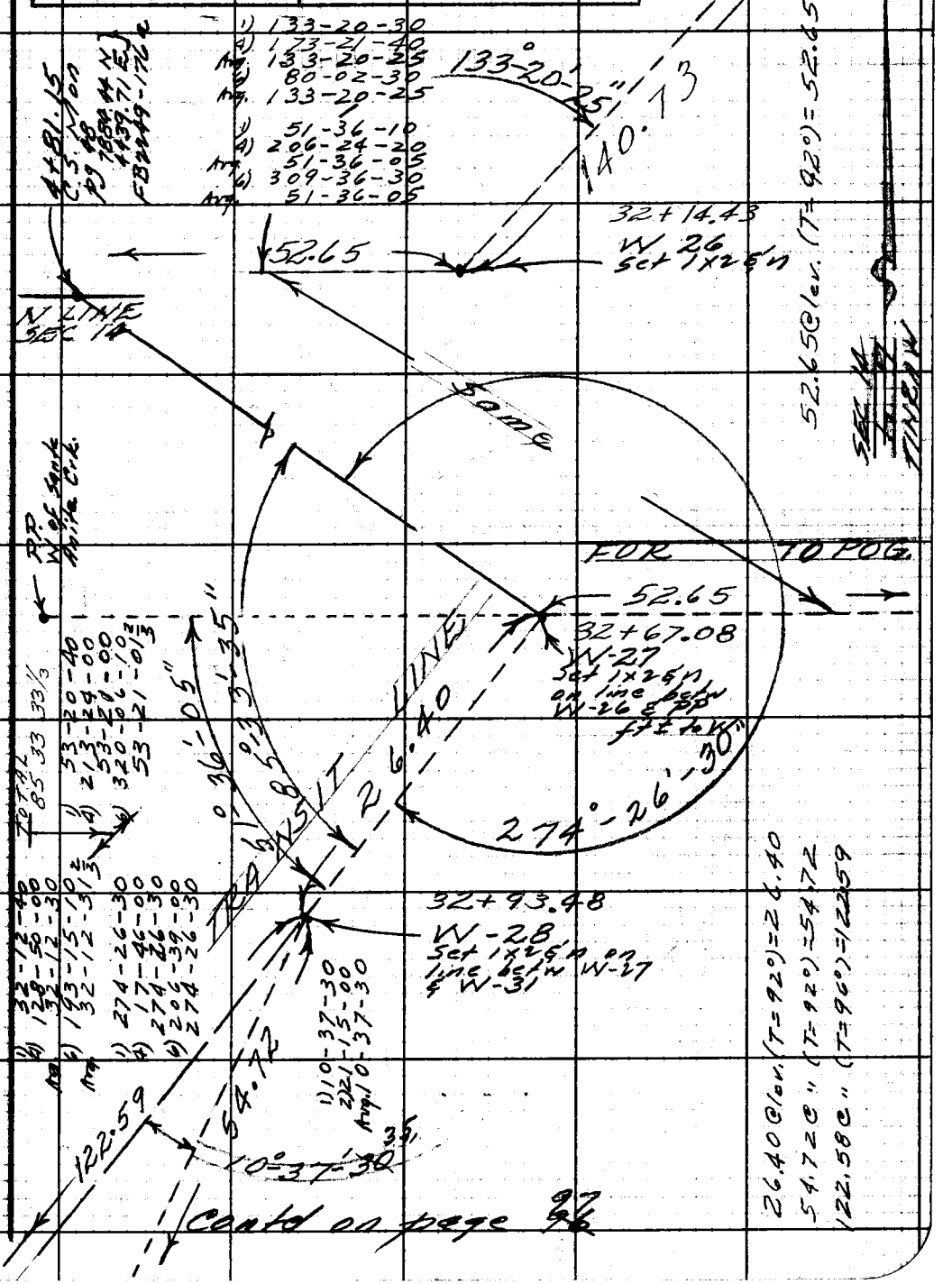
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 110 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date 7/59
Date	Indexed A. C. Johnson

F. B. 2384 Pg. 95

Contd. from page 94



Contd on page 97/96

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

76F309S CE #247—3-57

F. B. 2384 Pg. 96

PAGE 95
(REVERSE SIDE)
IS VALID

THIS PAGE IS VOID

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

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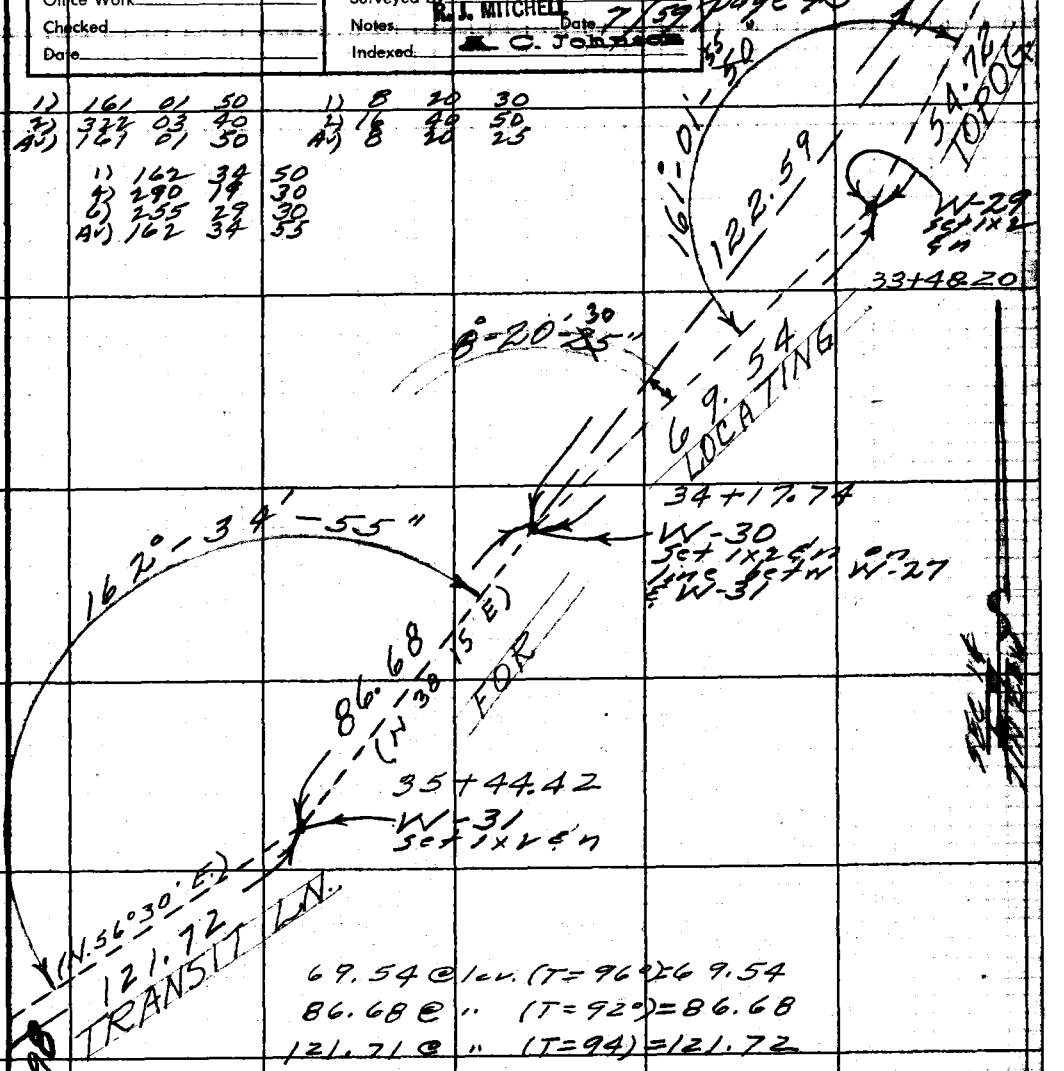
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lux Arboretum	F. B. 2384 Pg. 97
Map No.	JN 001601 Tape 110 Std. 84 °F	Contd from page 95
Office Work	Surveyed by R. J. MITCHELL	
Checked	Notes R. J. MITCHELL Date 7/59	
Date	Indexed A. C. Johnson	

1) 161 01 50
2) 322 03 40
Av) 161 01 50

1) 8 20 30
2) 16 40 50
Av) 8 20 25

1) 162 34 50
4) 290 19 30
6) 255 29 30
Av) 162 34 55



69.54 @ lev. (T=96°) = 69.54
86.68 @ " (T=92°) = 86.68
121.71 @ " (T=94) = 121.72

Contd on pg 98

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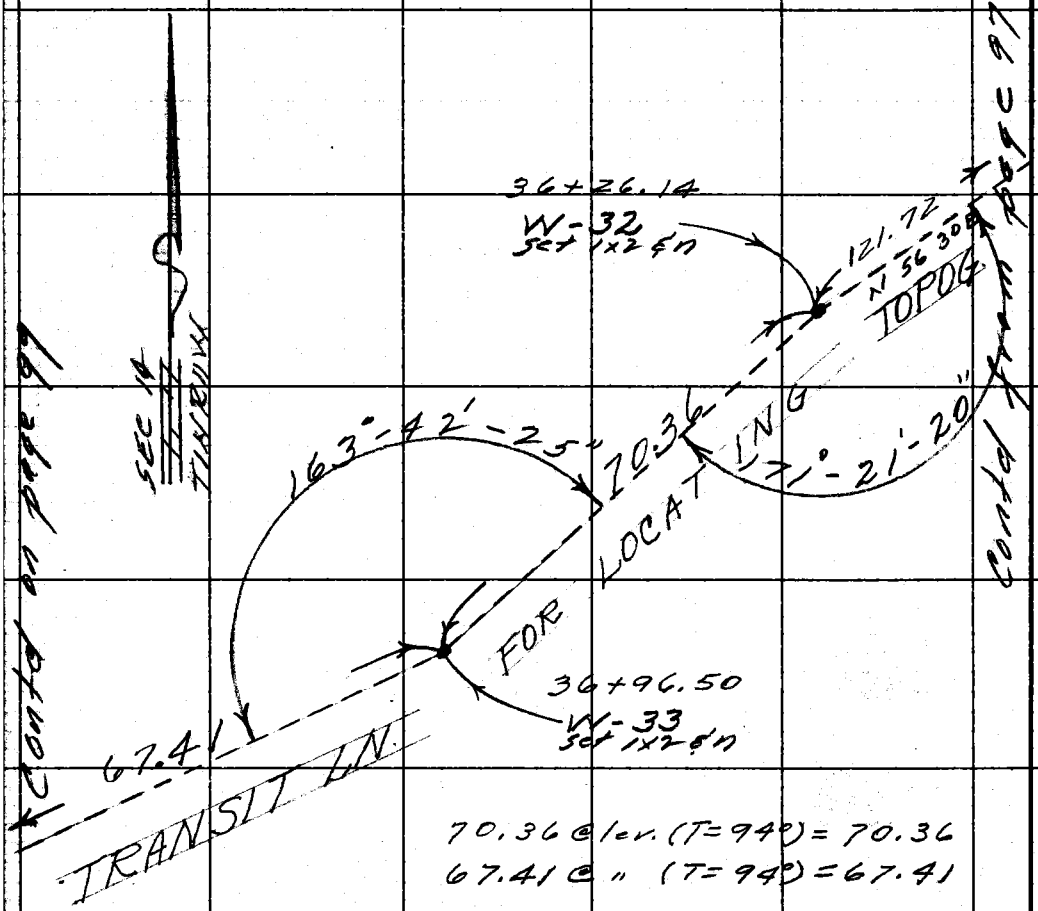
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-53

F. B. 2384 PG. 98

1)	171	21	20	1)	163	42	30
4)	325	25	10	4)	294	47	30
6)	308	07	50	6)	262	14	30
44)	171	21	18 1/3	44)	163	42	25



70.36 @ lev. (T=94°) = 70.36
67.41 @ " (T=94°) = 67.41

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

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763098 CE #247—7-53

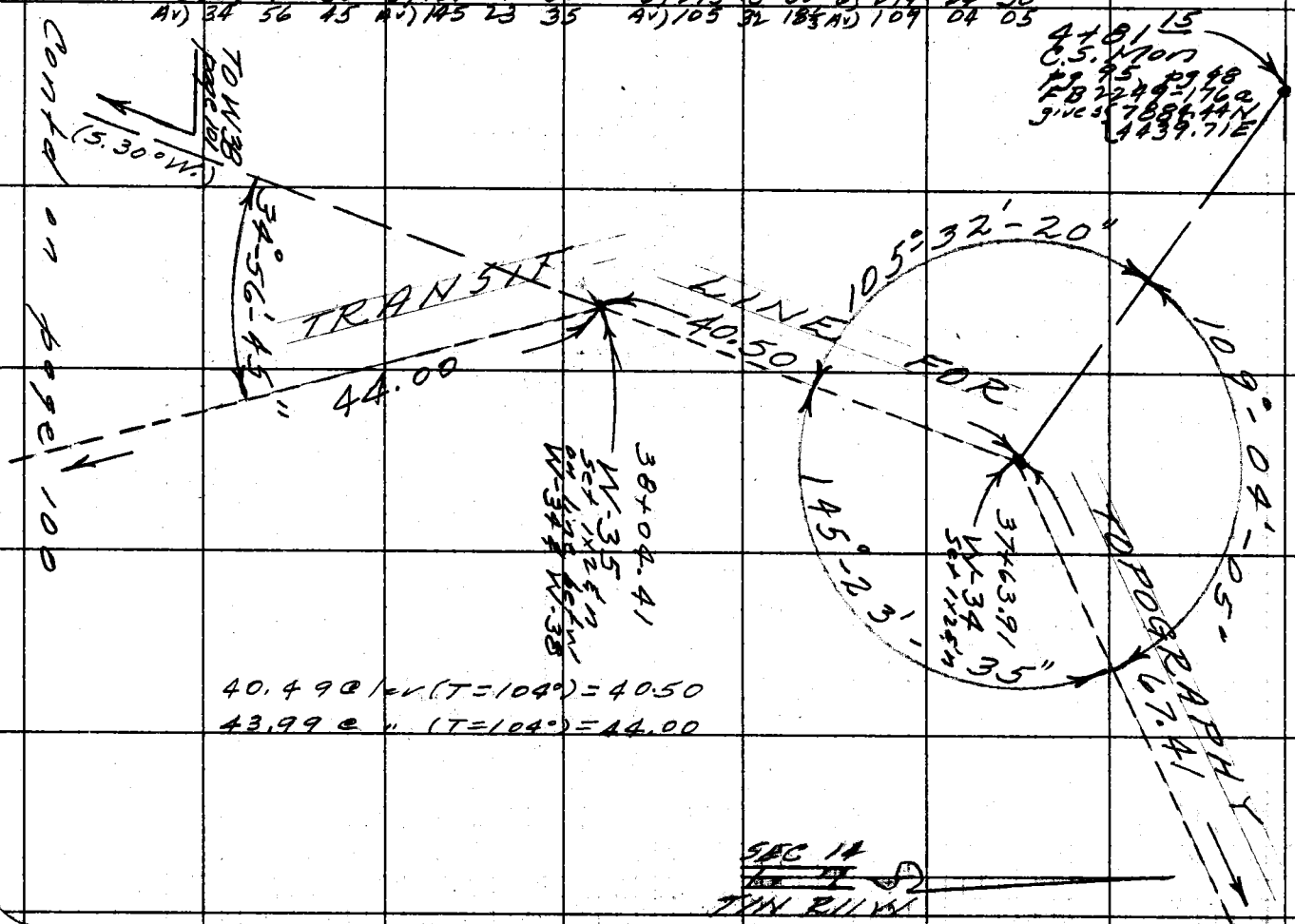
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

1)	34	56	50	1)	145	23	30	1)	105	32	20
4)	139	46	50	4)	221	34	10	4)	62	09	00
6)	209	40	30	6)	152	21	30	6)	273	13	50
Av)	34	56	45	Av)	145	23	35	Av)	105	32	18

1)	109	04	00				
4)	76	16	30				
6)	294	24	30				
Av)	109	04	05				



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

Survey of Lux Alberchem
JN 06162 Tape 110 Std. 84 °F
Surveyed by R. J. MITCHELL
Notes R. J. MITCHELL Date 7/59
Indexed A. C. Jackson

F. B. 2384 PG. 99

Control from

F. B. 2384 PG. 100

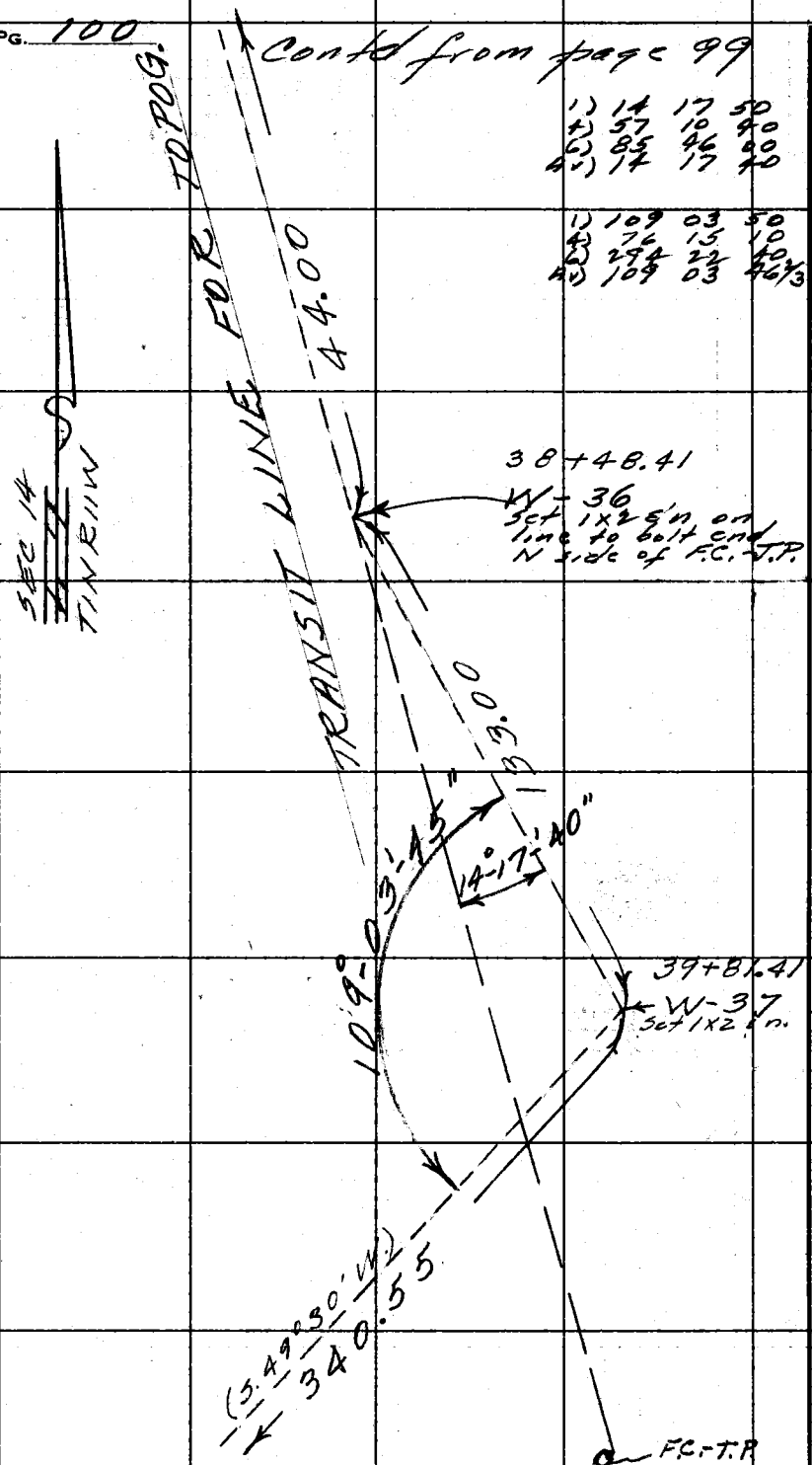
Contd from page 99

1) 14 17 50
4) 57 10 40
6) 85 46 00
Av) 14 17 40

(36)

1) 109 03 50
4) 76 15 10
6) 294 22 40
Av) 109 03 46 2/3

(37)



132.99 @ 1cv. (T=90°) = 133.00
1) 340.52 @ " (T=94°) = 340.54
2) 340.54 @ " " Avg = 340.56
340.55

Contd on page 101

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 Arx Arboretum
Map No.	JN 0016.04 Tape 110 Std. 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date 7-1-59
Date	Indexed

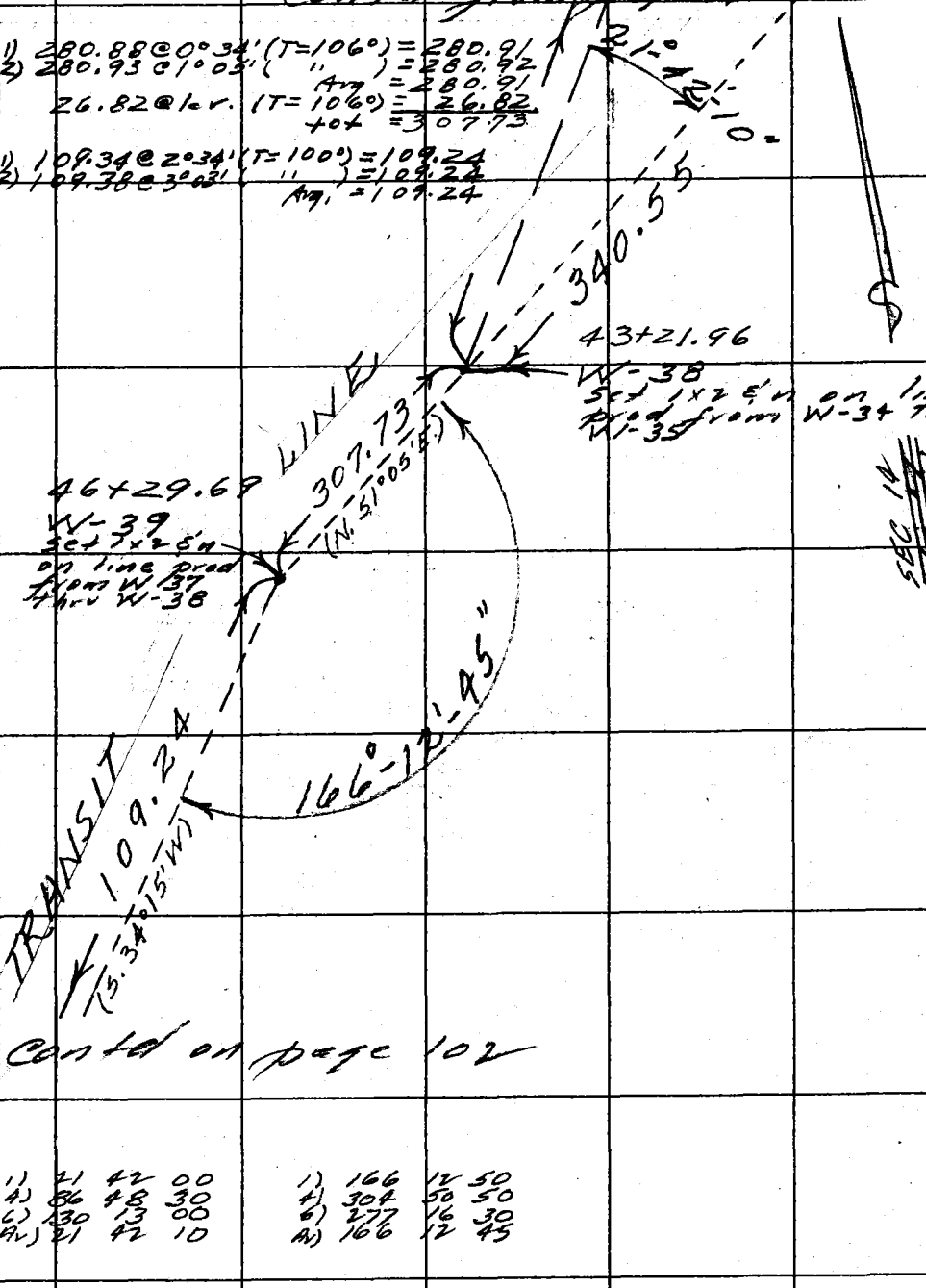
F. B. 2384 PG. 101

Cont'd from page 100

Cont'd from page 99

1) 280.88 @ 0°34' (T=106°) = 280.91
2) 280.93 @ 1°03' (") = 280.92
Avg = 280.91
26.82 @ 1 c.r. (T=106°) = 26.82
tot = 307.73

1) 109.34 @ 2°34' (T=100°) = 109.24
2) 109.38 @ 3°03' (") = 109.24
Avg. = 109.24



Cont'd on page 102

1)	21	42	00	1)	166	12	50
4)	86	48	30	4)	304	50	50
6)	130	13	00	6)	277	16	30
Av.)	21	42	10	Av.)	166	12	45

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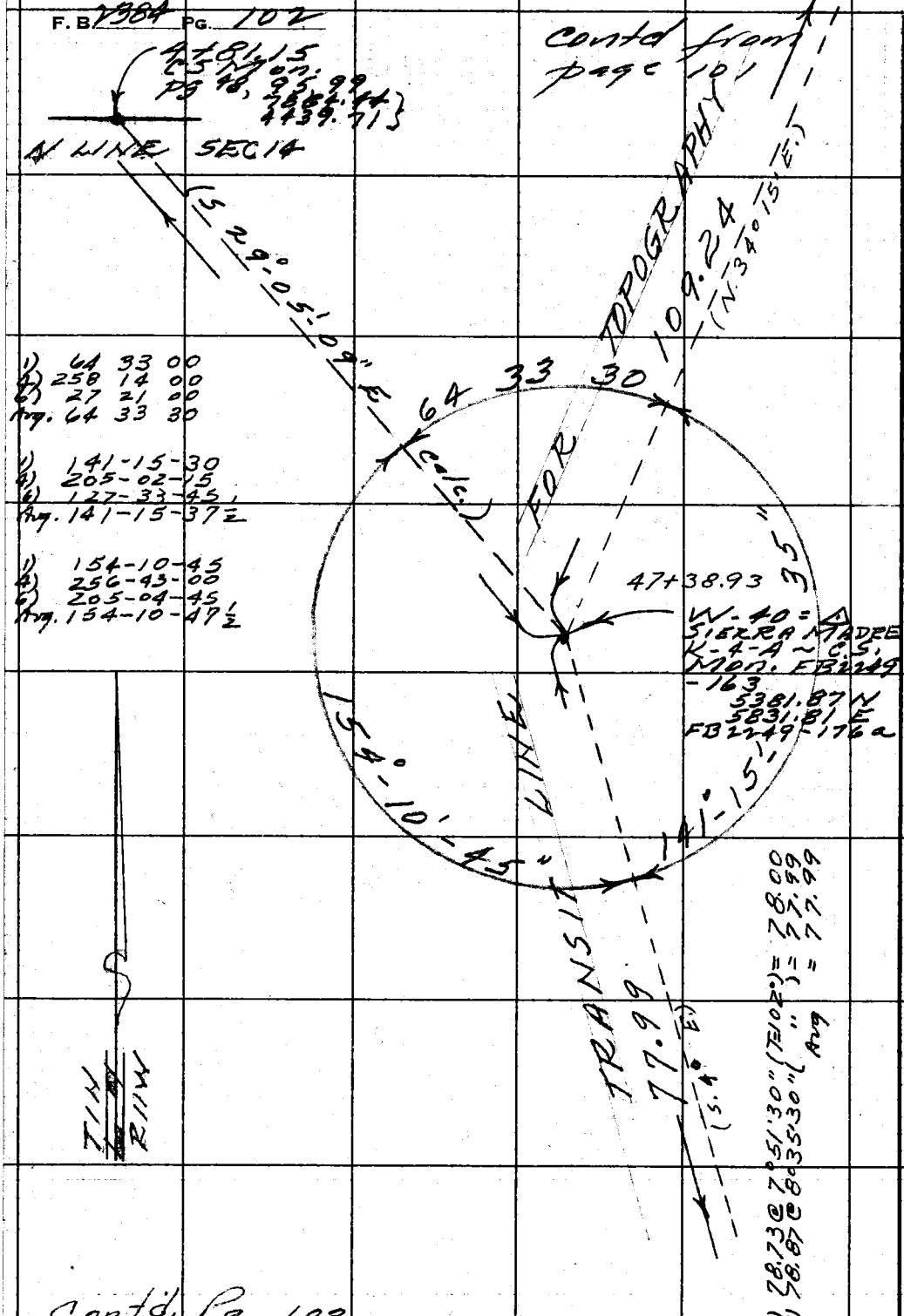
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247 7-59

F.B. 2384 PG. 102



Contd. Pg. 103

RETURN TO
LOS ANGELES COUNTY ENGINEER
100 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.
Office Work
Checked
Date

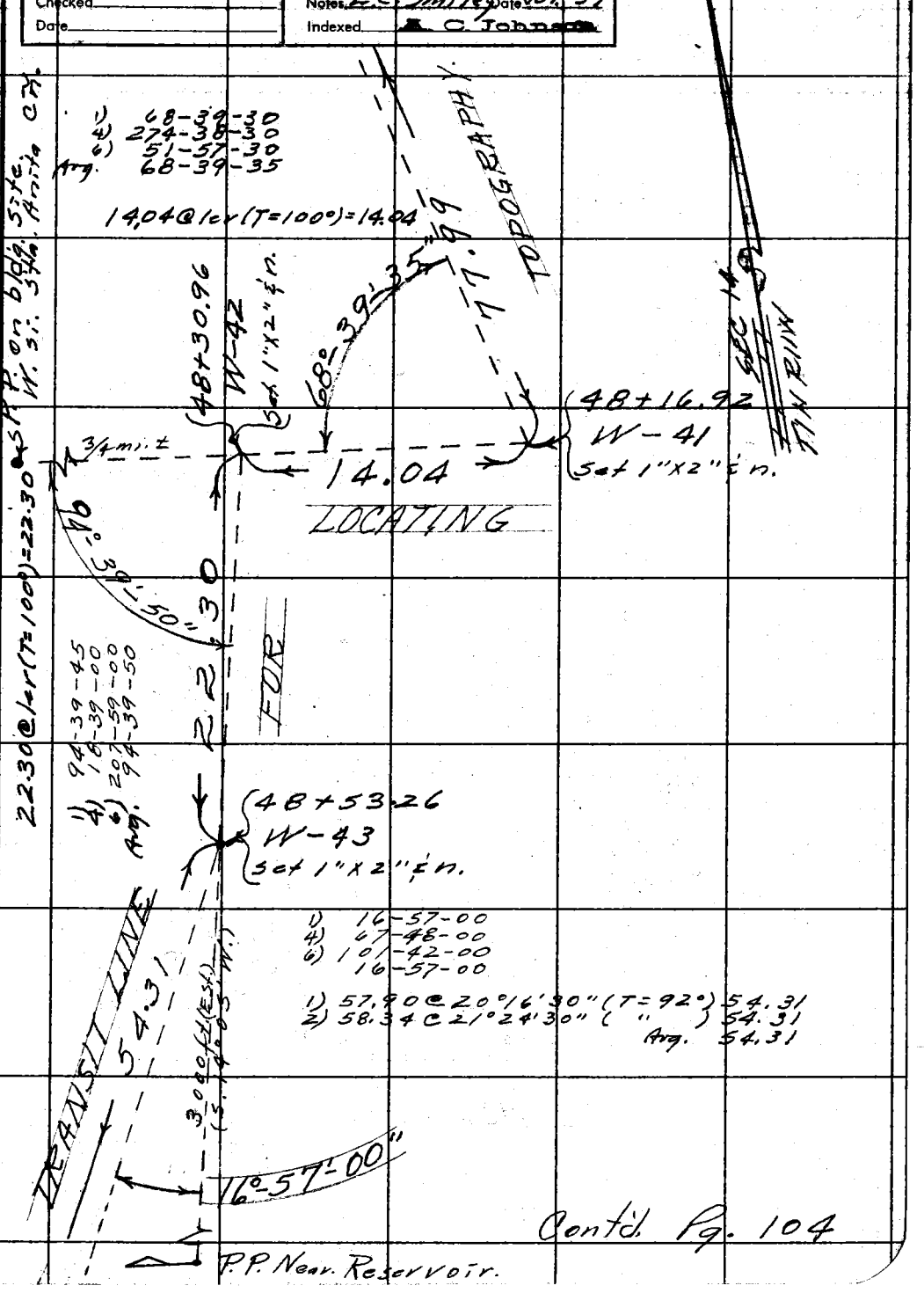
Survey of Lux Arboretum
JN 0016.01 Tape 110 Std. 84 °F
Surveyed by R. J. MITCHELL
Notes L. C. Smiley Date Jul. '59
Indexed J. C. Johnson

F. B. 2384 Pg. 103

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.



Cont'd. Pg. 104

763098 CE #247—7-58

Cont'd fr. Pg. 103

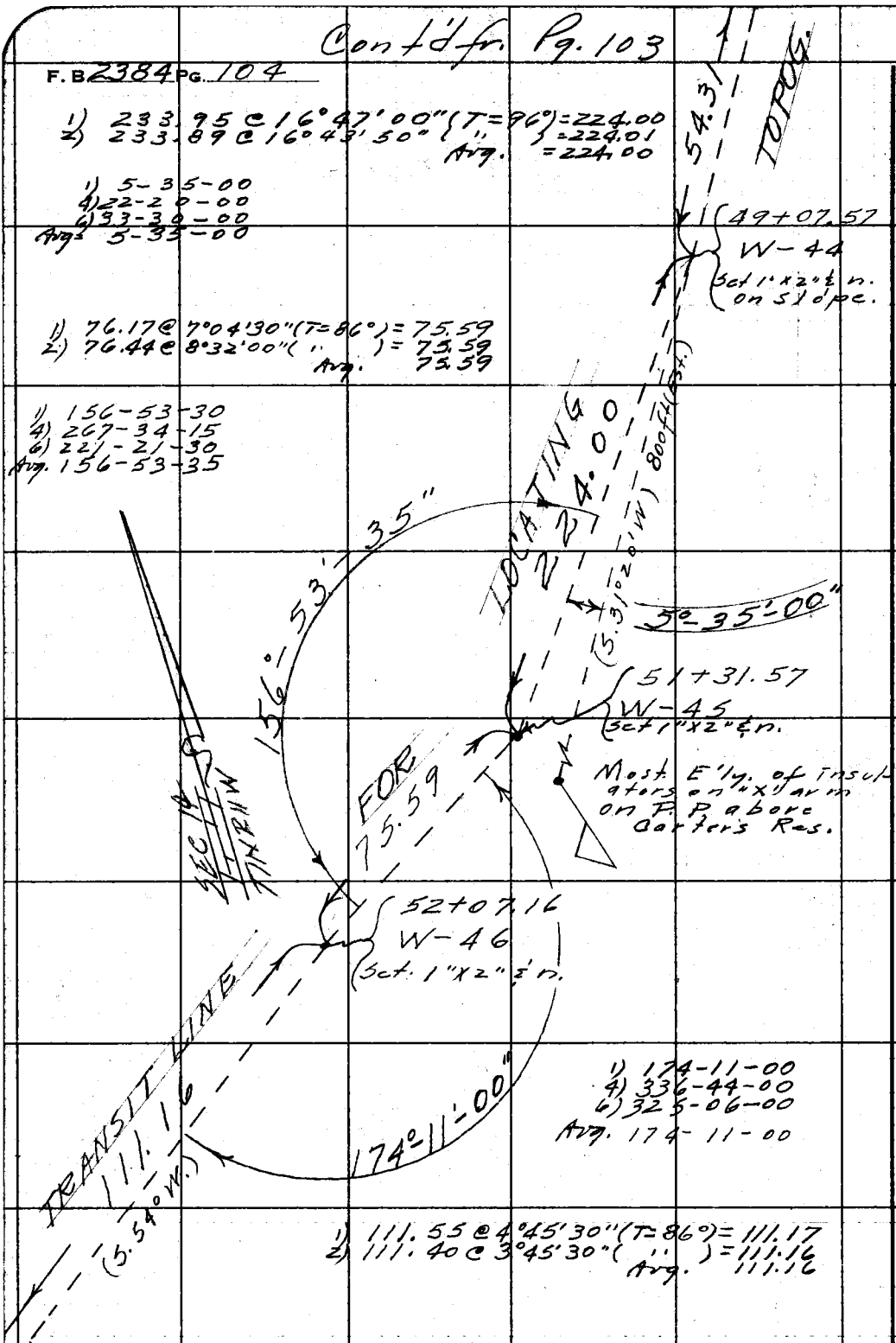
F. B. 2384 PG. 104

1) 233.95 @ 16°47'00" (T=86°) = 224.00
2) 233.89 @ 16°43'50" (") = 224.01
Avg. = 224.00

1) 5-35-00
4) 22-20-00
6) 33-30-00
Avg. 5-33-00

1) 76.17 @ 7°04'30" (T=86°) = 75.59
2) 76.44 @ 8°32'00" (") = 75.59
Avg. 75.59

1) 156-53-30
4) 267-34-15
6) 221-21-30
Avg. 156-53-35



1) 174-11-00
4) 336-44-00
6) 325-06-00
Avg. 174-11-00

1) 111.55 @ 4°45'30" (T=86°) = 111.17
2) 111.40 @ 3°45'30" (") = 111.16
Avg. 111.16

Cont'd. Pg. 105

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.

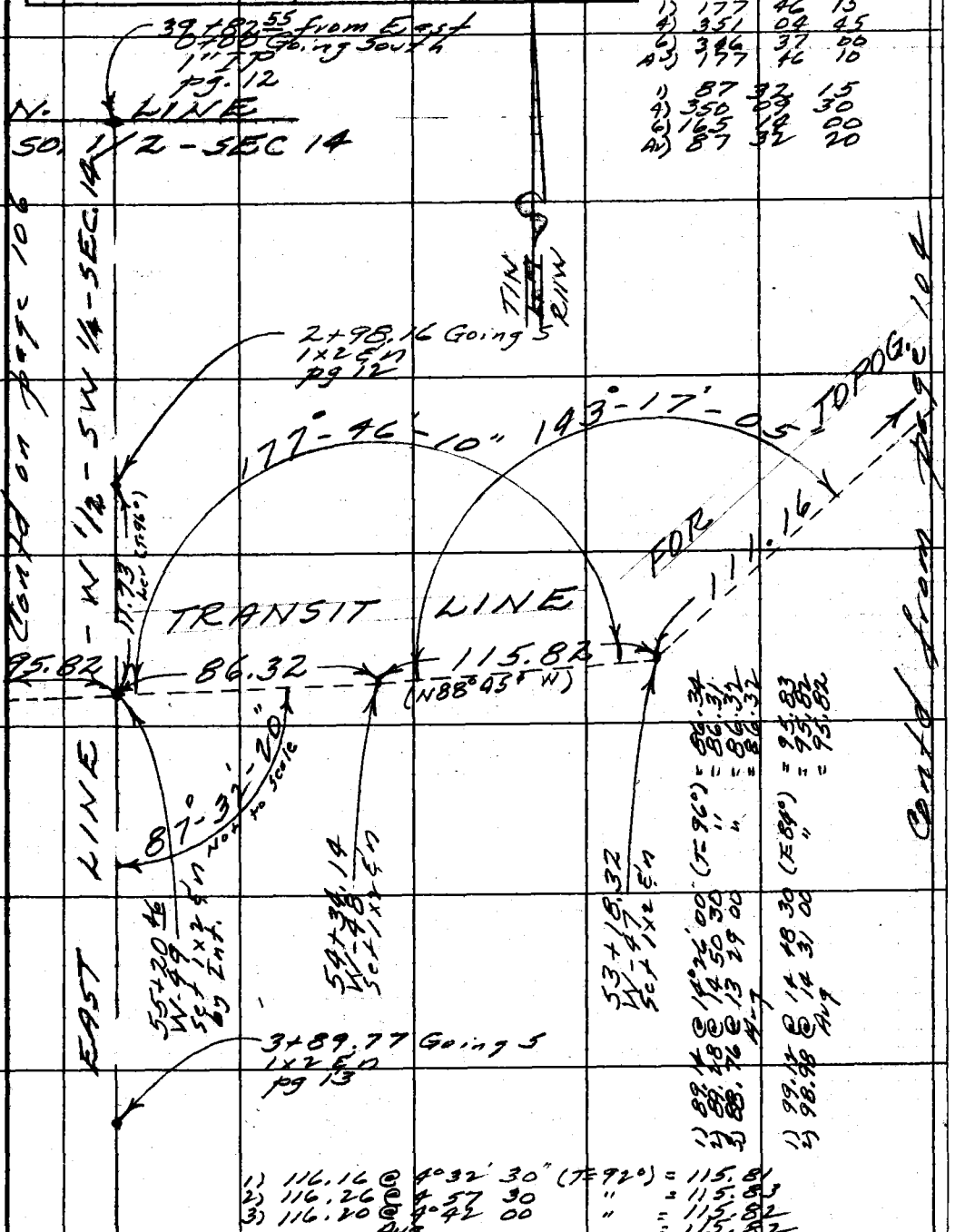
Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 110 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date July '59
Date	Indexed R. C. Johnson

F. B. 2384 PG. 105

1) 143-17-00
4) 213 08 30
6) 139 42 30
Av) 143 17 05

1) 177 46 15
4) 351 04 45
6) 346 37 00
Av) 177 46 10

1) 87 32 15
4) 350 09 30
6) 165 14 00
Av) 87 32 20



1) 89.14 @ 14°26'00" (T=96°) = 86.34
2) 89.28 @ 14 50 30 " = 86.31
3) 88.76 @ 13 29 00 " = 86.32
Avg = 86.32

1) 99.12 @ 14 48 30 (T=84°) = 95.83
2) 98.98 @ 14 31 00 " = 95.82
Avg = 95.82

1) 116.16 @ 4°32' 30" (T=92°) = 115.81
2) 116.26 @ 4 57 30 " = 115.83
3) 116.20 @ 4 42 00 " = 115.82
Avg = 115.82

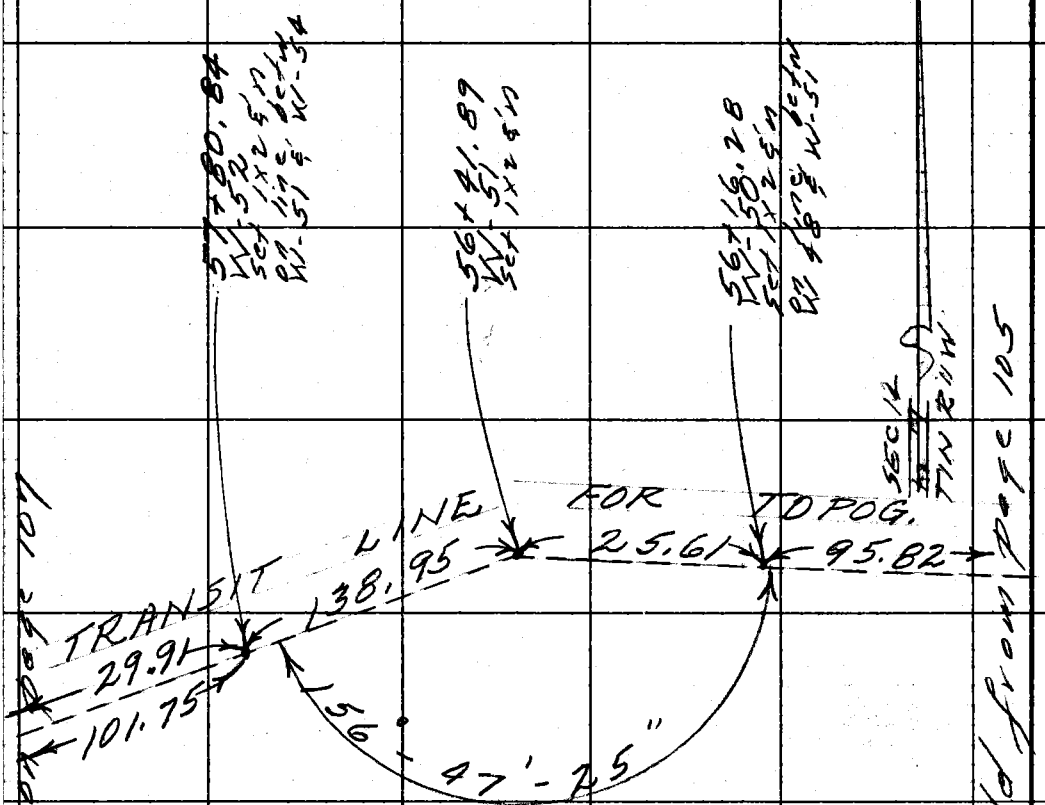
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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. 2384 PG. 106



1) 25.88 @ 8°19'00 (T=84°) = 25.61
2) 26.24 @ 12°34 00 " = 25.61
Avg = 25.61

1) 143.76 @ 14 51 00 (T=86°) = 138.96
2) 143.85 @ 15 00 30 " = 138.94
Avg = 138.95

1) 32.90 @ 24°39 (T=96°) = 29.90
2) 33.26 @ 25 53 " = 29.92
Avg = 29.91

1) 102.96 @ 8°50 (T=98°) = 101.75
2) 103.36 @ 10°09 = 101.75
Avg = 101.75

1) 156 47 30
2) 267 09 45
3) 220 44 30
Avg) 156 47 25

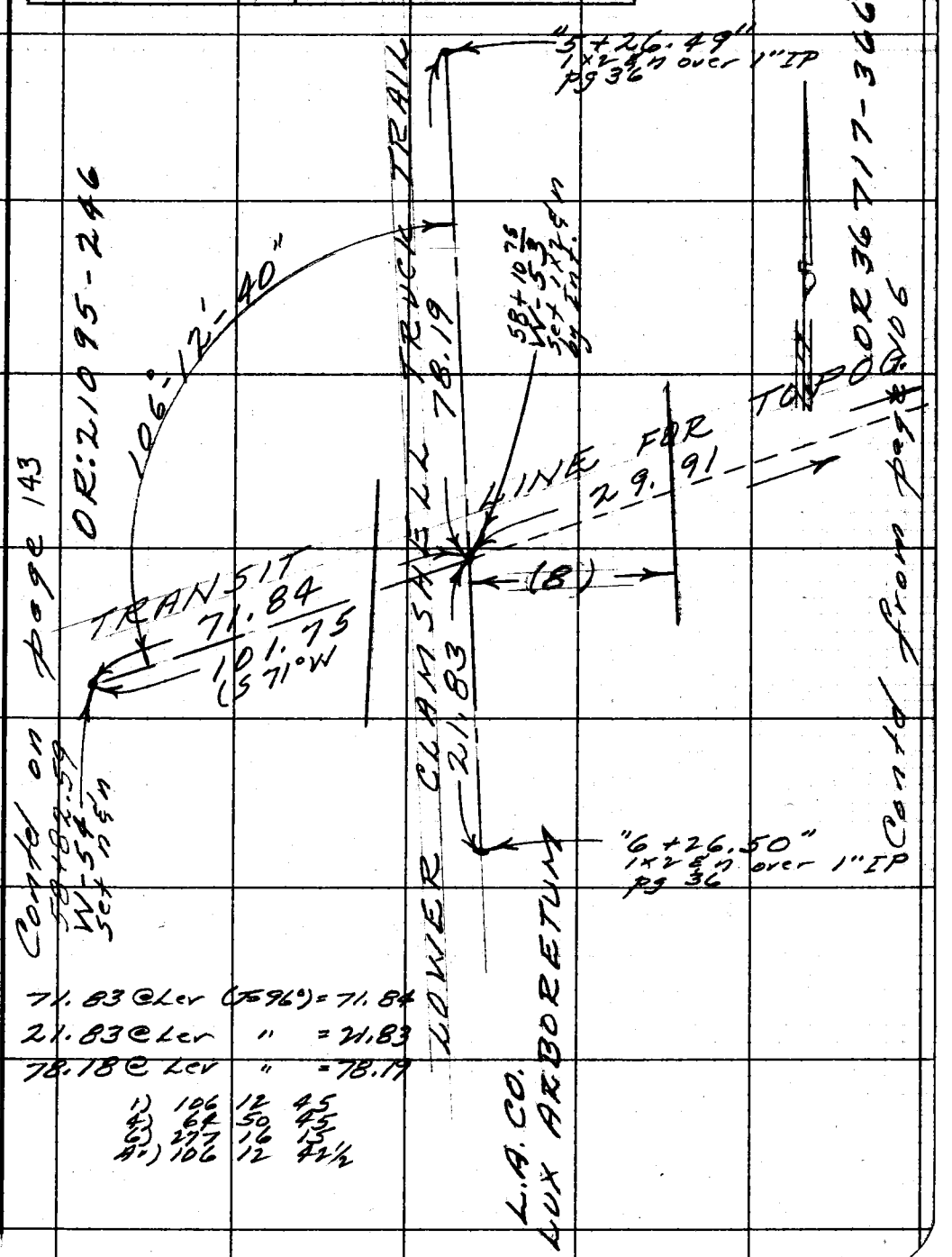
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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 Lux Arboretum
Map No.	JN 0016.01 Tape 110 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date Aug. '59
Date	Indexed C. Johnson

F. B. 2384 PG. 107



71.83 @ Lev (T=96°) = 71.84
21.83 @ Lev " = 21.83
78.18 @ Lev " = 78.19

1)	106	12	45
4)	64	50	45
6)	277	16	15
A)	106	12	42½

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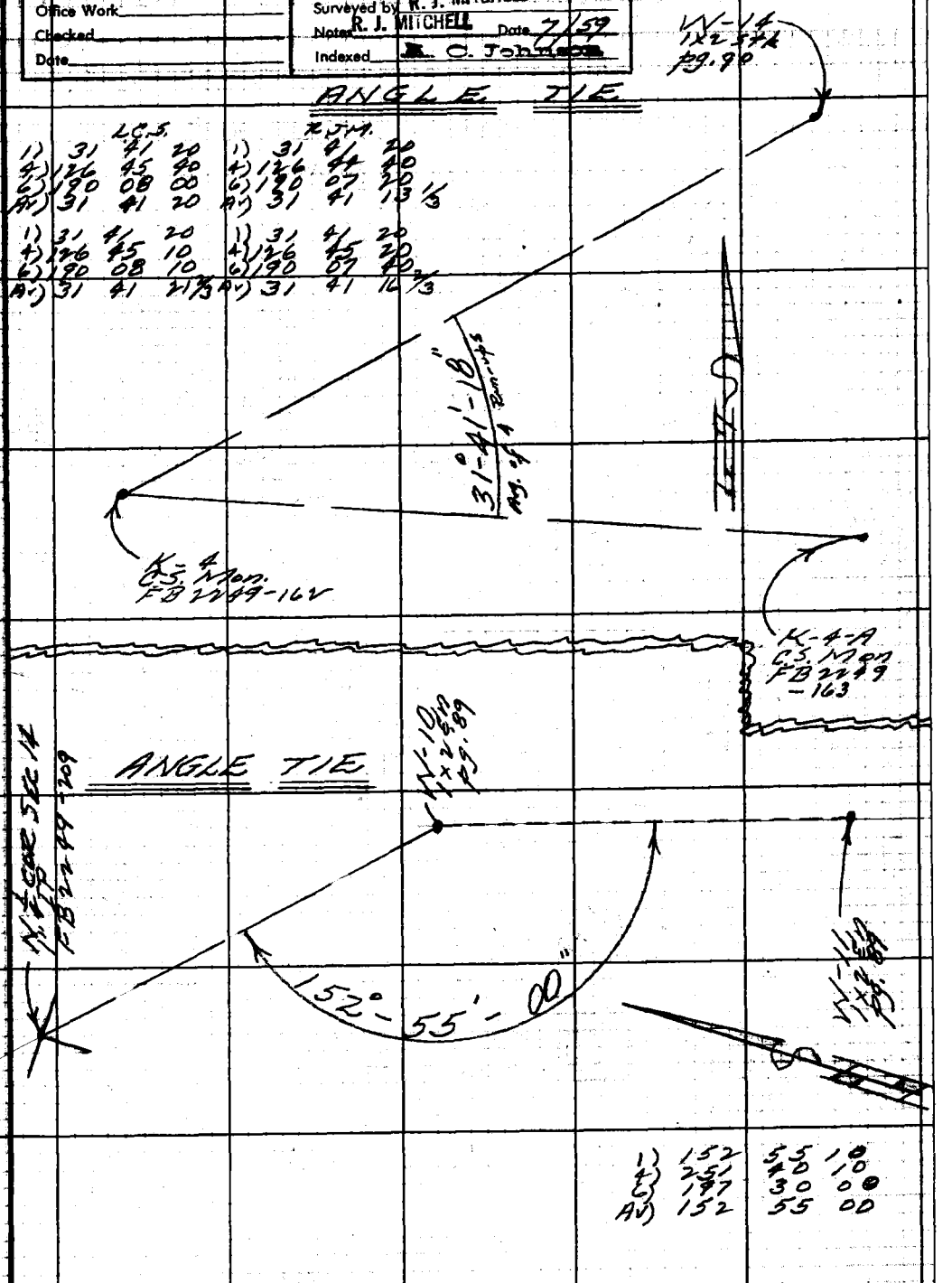
763095 CE #247—7-53

Notes Ck'd by	Survey of LUX ARBORETUM
Map No.	JN 0016.01 Tape 110 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date 7/59
Date	Indexed [illegible] C. Johnson

F. B. 2384 Pg. 109



	L.C.S.				R.J.M.		
1)	31	41	20	1)	31	41	20
4)	126	45	40	4)	126	44	40
6)	190	08	00	6)	190	07	20
Av)	31	41	20	Av)	31	41	13 1/3

1)	31	41	20	1)	31	41	20
4)	126	45	10	4)	126	45	20
6)	190	08	10	6)	190	07	40
Av)	31	41	21 2/3	Av)	31	41	16 2/3

1)	152	55	10
4)	251	40	10
6)	197	30	00
Av)	152	55	00

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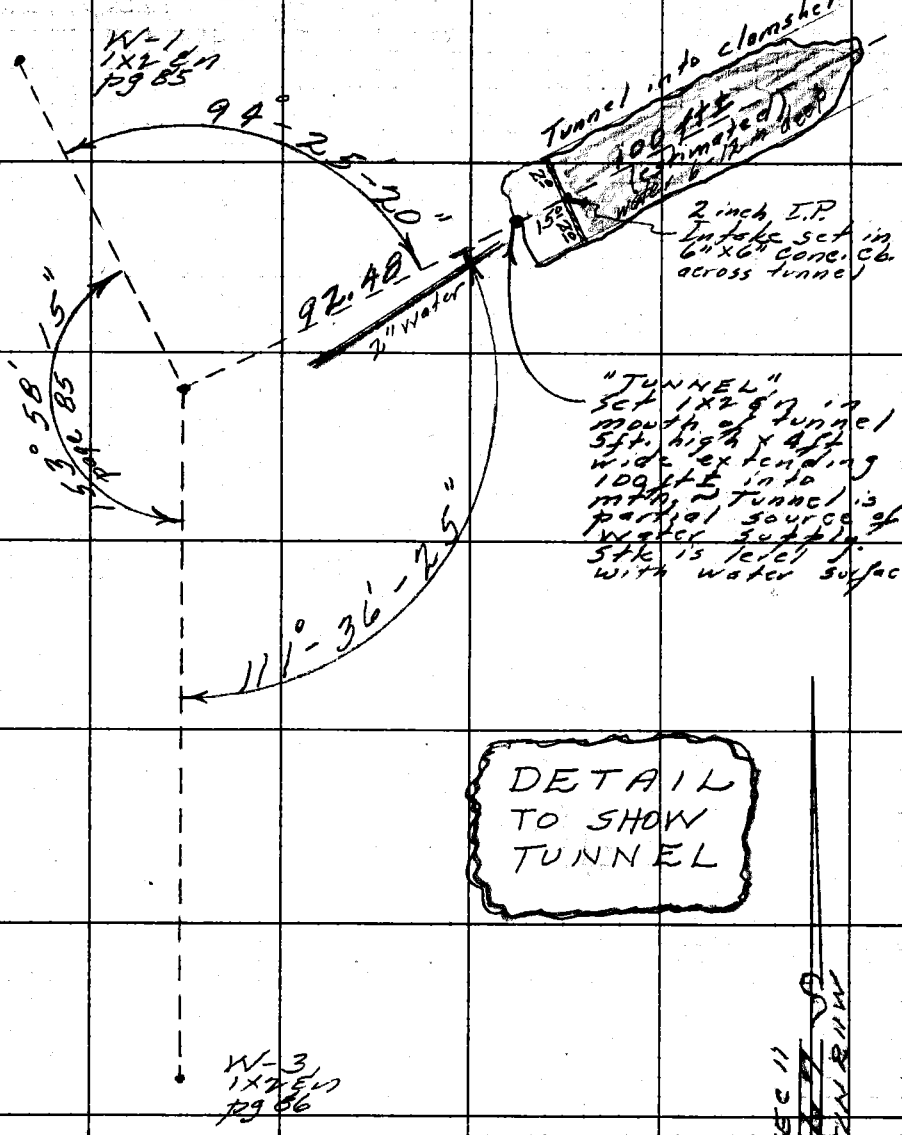
76F309S CE #247—3-57

F. B. 1384 Pg. 110

Pdg.



1) 111.38 @ 33:57 (T=88) = 92.48
2) 111.84 @ 34:13 " = 92.48
Avg = 92.48

1) 111 36 00
4) 86 25 45
6) 309 38 45
Av) 111 36 27½

55.21
T=60°

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Profile No.	Notes Red.	Plotted	Job No. 0016.01	Division No. 10	F. B. 2384 Pg. 111
	Date	Date	Survey of Lux Arboretum		
X-Sec. No.	Notes Chkd.	Checked	Survey by R.J. Mitchell	Notes R.J.M.	Date Aug. 59
	Date	Date	Map No.	Indexed C. Johnson	Date

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761.298 307 8-53

Survey Showing
Location, Size and Elevation's
Along
WATER SUPPLY LINE
To

LUX ARBORETUM

JN 0016.01

R.J. Mitchell
L.C. Smiley
M.L. Bustrum
R.R. Rodriguez

Aug. 11, 1959

ELEV.	
F. S.	BASIS FOR STATIONING IS "W" LINE AS SHOWN ON PAGES 83-110
H. I.	
B. S.	
STATION	

76L298 307 8-53

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STATION	B. S.	H. I.	F. S.	ELEV.		
BM-K4A	10 4	1577 2		1566.8	BM K4A ~ Elev 1566.8 FB 2249 -176a ~ In the City of Monrovia 2¼ mi. Nly and Ely along Cloverleaf Drive & Lower Clamshell Truck Trail from the intersection of Cloverleaf Dr. & Lotone St. and 101 ft NNWly from a 9 ft diam. water tank ~ A std L.A. Co. Triang. Sta. Br. Cap Mon. mkd "SIERRA MADRE K-4-A.	
T.B.M. #37	2 0	1571 0	8 2	1569 0	stk @ W-37 see pg 100 for loc.	
T.P.	5 5	1568 5	8 0	1563 0		
T.P.	6 0	1570 0	4 5	1564 0		
T.P.	5 9	1570 8	5 1	1564 9		
T.P.	6 2	1571 8	5 2	1565 6		
T.B.M. #27	5 2	1573 5	3 5	1568 3	stk @ W-27 see pg 95 for loc.	
T.P.	6 6	1575 4	4 7	1568 8		
T.P.	6 8	1577 4	4 8	1570 6		
T.B.M. #14	6 4	1580 1	3 7	1573 7	stk @ W-14 see pg 90 for loc.	
T.P.	4 1	1581 2	3 0	1577 1		
T.P.	5 4	1581 0	5 6	1575 6		

F. B. 2384 Pg. 112 Job No. 001606 Division No. 10 Notes Red. Plotted Profile
Survey of Lux Arboretum - Water Source Date Date No.
Survey by R.J.M. Notes R.J. Mitchell Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 307 8-53

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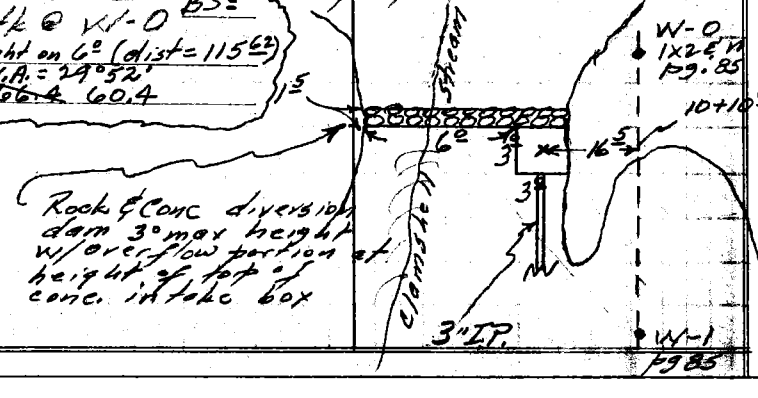
13 5
27 54 30

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1581 0				
T.P.	5 1	1581 2	4 9	1576 1		
T.P.	3 5	1583 7	1 0	1580 2		
TBM #4	4 9	1583 3	5 3	1578 4	stk @ W-4 see pg 86 for loc	
TBM #3	13 5	1593 3	3 5	1579 8	stk @ W-3 See pg 86 for loc.	
TBM "Tunnel	MINUS 60.2	1593 2	+60 1	1653 4	stk @ tunnel mouth	F.S. = Sight on 2° (dist = 92.48) @ V.A. = +33°53' = ~~62.1~~ 60.1
TBM #3	3.14 10.16 13 7	1593.4	13 5	1579 7	stk @ W-3 (above)	BS = Sight on 5° (dist = 92.98 @ V.A. = -35°11 = ~~65.2~~ 60.2
TP	7 9	1595 1	6 2	1587 2		
TBM #0	0 0	1655 3	+60 2	1655 3	stk @ W-0	F.S. = Sight on 1° (dist = 115.62) @ V.A. = +27° 54'-30" = ~~61.2~~ 60.2
10+10°	11 7	1655 7	11 3	1644 0	see pg 85 for loc. 16.5 R top ctr. 3'x3' intake box in bottom of Clamshell Canyon @ top of natural waterfall = principal source of water for Lux Arboretum & other properties ~ see sketch	
TBM W-0	MINUS 60 4	1594 9	0 4	1655 3	stk @ W-0 BS = Sight on 6° (dist = 115.62) @ V.A. = 29°52' = ~~66.4~~ 60.4	



Profile Notes Red. ____ Plotted ____ Job No. 0016.0 Division No. 10 F.S. 2384 Pg. 113
No. ____ Date ____ Date ____ Survey of Lux Arboretum - Water Source
X-Sec. Notes Chkd. ____ Checked ____ Survey by R.J. Mitchell Notes R.J.M. Date Aug 59
No. ____ Date ____ Date ____ Map No. ____ Index M.C. Jon

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STATION	B. S.	H. I.	F. S.	ELEV.	
		1594 9			
10+~~27~~ 27 1/2			+27 5	1622 4	9 1/2 R (F.S. = Sight on 3° (dist = 88 9/2) @ V.A. = 18° 57' = ~~30.5~~ 27 5/2) ∡ Pt. in 4" pipe
11+00			—		0 7/2 R 3 ~~4~~" Pipe
11+15 60/2			—		0 8/2 L 3" "
11+31 1/2			8 8	1586 1	2 5/2 L "
11+61 6/2			—		1 8/2 R "
T.P.	6 5	1593 5	7 9	1587 0	
TBM #3			3.1+10 8/2 13 9	1579 6	stk @ W-3 Elev. 1579.7 FB 2384 -113
TBM "TUNNEL"	2 0			1653 4	stk @ tunnel mouth pg 113 & 110
See pg. 110			2 0	1653 4	Intake (i.e. 2" IP) 15 ft in from tunnel mouth ~ pg 110
TBM #3	5 1	1584 7		1579 6	stk @ W-3 - see above
12+00			—		5° R - 3/4" Pipe
12+38 6/2			+0 8	1585 5	3 2/2 R - 3/4" Pipe at jct. with 2" I. Pipe from tunnel
~~13+00~~			—		
13+00			4 7	1580 0	1 5/2 R 3 ~~4~~" pipe
13+54			—	—	2 5/2 L " "

F. B. 2384 Pg. 114 Job No. 0016.06 Division No. 10 Notes Red. Plotted Profile
Survey of Lux Arboretum Water Source Date Date No.
Survey by R. J. M. Notes R. J. Mitchell Notes Chkd. Checked X-Sec.
Indexed ~~R. C. Johnson~~ Date Date Date No.

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Do not extend notes this side of this line.

1578 4
5 0

95 0
14 3
+09 3

91 1
25 0
62

STATION	B. S.	H. I.	F. S.	ELEV.		
		1584 7				
13+73 0			—		11 6 L 3 ~~4~~" pipe	
14+00			—		7 0 L " "	
14+32	5 6	1583 2	7 1	1577 6	1 8 R " " ∡ Pt.	
14+53 5			—		6 5 L " "	
14+86 0			—		15 0 L " " ∡ Pt.	
15+00			—		13 6 L " "	
15+98			4 7	1578 5	2 5 R " " ∡ Pt.	
16 +26 9			—		20 5 L " " "	32.5 @ 39°00' = 25.3 ahd & 20 5 off
16 +45 1			—		15 5 L " " "	46.2 @ 19°30' = 43 5 ahd & 15 5 off
16 +71 0			—		1 8 R " " "	
16 +85 5			—		0 0 R " " "	
17+09 3			—		0 0 R " " "	
T.P.	1 6	1581 7	3 1	1580 1		
17+85 0			4 8	1576 9	4 1 L " "	
18+00			—		4 4 L " "	
18+62 1			—		6 4 L " "	
18+91			—		1 0 R " "	
19+01 0			—		9 5 R " " ∡ Pt.	
19+ 39 0			—		7 4 L " " "	
TP	4 3	1580 7	5 3	1576 4		

Profile Notes Red. ____ Plotted ____ Job No. 0016.00 Division No. 10 F. B. 2384 Pg. 115
No. ____ Date ____ Date ____ Survey of Lux Arboretum Water Source
X-Sec. Notes Chkd. ____ Checked ____ Survey by R.J. Mitchell Notes R.J.M. Date Aug. '59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
		1580 7				
20+00			5 0	1575 7	2^{8} L 3" I.Pipe	
$20+25^{9}$			—		2^{3} L " "	
$20+45^{0}$			—		1^{8} R " " ∡ Pt.	
$20+84^{5}$			—		0^{5} R " " "	
21+00			—		0^{0} R " "	
T.P.	6 0	1581 5	5 2	1575 5	—	
$21+06^{5}$			6 5	1575 0	2^{6} R " " ∡ Pt.	
$21+91^{2}$			—		0^{3} R " " "	
22+00			—		0^{3} R " "	
$22+67^{6}$			—		1^{0} R " "	
T.P.	3 1	1580 1	4 5	1577 0	—	
$22+90^{0}$			—		6^{5} L " "	
23+00			—		6^{0} L " "	
$23+30^{0}$			—		2^{0} L " "	
$23+50^{0}$			6 1	1574 0	1^{0} L " "	
$23+90^{0}$			—		1^{5} L " " ∡ Pt.	
24+00			—		4^{0} L " "	
$24+12^{5}$			—		7^{1} L " " L Pt.	
$24+56^{0}$			—		2^{0} L " " "	
TBM # 14	4 3	1577 9	6 5	1573 6	Stk @ W 14 Elev	1573.7 pg. 112

F. B. 2384 Pg. 116 Job No. 0016.01 Division No. 10 Notes Red. Plotted Profile
Survey of Lux Arboretum Water Source Date Date No.
Survey by R.J.M. Notes R.J.M. Itchell Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		1577 9				
24+63 2			4 6	1573 3	2° L pipe reduces from 3" to 2½"	
25+00			—		1° R 2½" I pipe	
25+20 0			—		0 3 R " " "	Ang pt.
26+00			—		0° R " " "	
26+21 5			—		0 3 R " " "	Ang. Pt.
26+50			5 3	1572 6	0 5 L " " "	
26 +92 6			—		3 5 L " " "	Ang. Pt.
27 +00			—		2 5 L " " "	
27+49			—		4 5 L " " "	
27+58	4 0	1575.8	6 1	~~1561~~ 1571 8	1° R " " "	Ang. Pt.
28+00			—		1° R " " "	
28+12 7			—		0 3 L " " "	Ang. Pt.
28+54 5			—		1° L " " "	
28+57 5			—		0 3 L " " "	Ang. Pt.
28+80 9			—		0 3 R " " "	" "
29+00			—		0 5 R " " "	
29+54			5 1	1570 7	0 3 R " " "	Ang. Pt.
29+82 1			—		0 5 R " " "	
29 + 94			—		1 5 R " " "	Ang. Pt.
30 +00			—		0° R " " "	

Profile Notes Red. _____ Plotted _____ Job No. 0016.0 Division No. 10 F. B. 2384 PB. 117
No. _____ Date _____ Date _____ Survey of Lux Arboretum Water Source
X-Sec. Notes Chkd. _____ Checked _____ Survey by R. J. Mitchell Notes R. J. M. Date Aug. '59
No. _____ Date _____ Date _____ Map No. _____ Indexed C. Johnson

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		1575 8				
30+10 3			—		4 4 L 2½" I water pipe	
30+32			—		1 5 L " " " " ∡ Pt.	
TP	3 7	1574 0	5 5	1570 3		
30+73 7			—		3° R " " " " " "	
31+14			—		4° L " " " "	
31+71	5 3	1573 4	5 9	1568 1	5 5 L " " "	
32+00			—		0 5 L " " "	
32+14 4			—		0 5 R " " " Ang. Pt.	
TBM #27	3 2	1571 5	5 1	1568 3	stk @ W-27 Elev. 1568.3 pg. 112	
32+61 6			—		1° R 2½" I. pipe Ang. Pt.	
32+91 5			—		0° R " " " " "	
32+93 5			—		0 5 L " " "	
33+00			—		1° L " " "	
33+31			—		2 5 L " " "	
33+48 2			—		1° R " " "	
33+69			—		1 5 L " " "	
34+00			5 2	1566 3	0° L " " "	
34+14			—		0 6 R " " "	
34+17 7			—		0 3 R " " "	
34+76 0			—		2° L " " "	

F. B. 2384 Pg. 118 Job No. 0016 Division No. 10 Notes Red Plotted No. Profile
Survey of Lux Arboretum Water Source Date Date X-Sec.
Survey by R. J. M. Notes R. J. Mitchell Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		1571 5				
35+00			—	—	—	
35+04^{4}	5 5	1570 8	6 2	1565 3	1°R 2½" I. water pipe	
35+50			—		0^{5} L " " " "	
36+00			—		0^{5} R " " " "	
36+26^{1}			—		0^{3} L " " " "	
36+93			—		0^{0} R " " " "	
36+96^{5}			—		0^{3} R " " " "	
37+00	5 3	1569 7	6 4	1564 4	0^{0} R " " " "	
37+54^{4}			—		1^{0} L " " " "	Ang. Pt.
37+63^{9}			—		3^{8} L " " " "	
37+81^{0}			—		0^{7} R " " " "	
37+92			—		1^{8} R " " " "	Ang. Pt.
38+00			—		1^{5} L " " " "	
38+04^{4}			—		3^{0} L " " " "	
TP	3 9	1567 9	5 7	1564 0		
38+48^{4}			—		2^{0} L " " " "	
38+51			—		1^{0} L " " " "	Ang. Pt.
39+00			—		0^{0} R " " " "	
39+45^{0}	9 2	1571 4	5 7	1562 2	1°R " " " "	Begin Curve
TBM #37	0 9	1569 8	2 5	1568 9	stk @ W-37 Elev. 1569.0	pg 112

Profile Notes Red. ____ Plotted ____ Job No. 0046.0 Division No. 10 F. B. 2384 Pg. 119
No. ____ Date ____ Date ____ Survey of Lux Arboretum Water Source
X-Sec. Notes Chkd. ____ Checked ____ Survey by R.J. Mitchell Notes R.J.M. Date Aug. '59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76L298 S & E #307 9-54

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47+38 9

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STATION	B. S.	H. I.	F. S.	ELEV.		
		1569 8				
39+71 4			—		12° R 2½" I Water Pipe	On curve
39+81 4			—		16 5 R " " "	" " "
40+25			3.4+9.9 13 3		4 3 L " " "	" End Curve ∡ Pt.
40+65			3.2+11.2 14 4		2° L " " "	"
41+00			—		0° R " " "	"
41+24			8 3		1° L " " "	"
TP	1 6	1570 3	1 1	1568 7		
42+00			—		1 5 L " " "	" crossing firebreak
43+00			—		1° L " " "	" " "
43+21 9			—		1° L " " "	" " "
43+74 0			9 9	1560 4	0° R " " "	"
44+00			—		0 5 R " " "	"
44+43	4 7	1564 1	10 9	1559 4	3° R " " "	"
45+00			10 6		13 3 R " " "	"
46+00			—		10 3 R " " "	"
46+11 4			—		10° R " " "	" Ang. Pt.
46+32 7			6 7		1 1 L " " "	"
TP	4 3	1568 4	0 0	1564 1		
47+07 9			6.6+4.9 11 5		27 3 L " " "	"
BMK4A	0 2	1566 8	1 8	1566 6	BMK4A Elev 1566.8	FB2249-176a

See pg 112 for location

F. B. 2384 Pg. 120

Job No. 0016 Division No. 10 Notes Red. Plotted Profile

Survey of Lux Arboretum Water Source Date Date No.

Survey by R.J.M. Notes R.J. Mitchell Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date Date No.

298 307 8-53

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N 15 E

STATION	B. S.	H. I.	F. S.	ELEV.		
		1566 8				
48+00					12.5 L	
48+15.9			3.3+10.3 13 5	1553 3	1.5 L NW Cor 3°×6° wier box (long edge bears N 15° E) From wier box 3" pipe runs E to USFS fire tank (see pg. for loc.) ~ 2" I.P. runs Sly tward Carters Ho. ~ 2" IP runs as shown below to Lux A. & others	
~~48+17.0~~			~~4.8+10.2 15 0~~			
48 +17.0			4.8+10.3 15 0	1551 8	0.0 R 2" I water pipe	
T.P.	0 3	1555 5	11 6	1555 2		
48+30.9			—		0.3 R 2" I water pipe 90° angle	
48+53.2			—		1.0 R " " " "	
TP	MINUS 0 1	1543 5	11 9	1543 6		
48+55			—		0.0 R " " " " bend	
TP	0 4	1531 7	12 2	1531 3		
49+00			—		0.5 R " " " "	
49+07.6			10 6	1521 1	0.5 R " " " "	
TP	0 0	1521 0	10 7	1521 0		
49+35.0			9 9	1511 1	1.5 L "T"-2" pipe runs Ely-destination unknown-valve 2 ft E is closed (i.e. line not now in use)	

Profile Notes Red. ____ Plotted ____ Job No. 0016.0 Division No. ____ F. B. 2384 PG. 121
No. ____ Date ____ Date ____ Survey of Lux Arboretum
X-Sec. Notes Chkd. ____ Checked ____ Survey by R. J. MITCHELL Note R. J. MITCHELL Date Aug 59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Jo[illegible]

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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.

STATION	B. S.	H. I.	F. S.	ELEV.			
		1521 0					
TP	MINUS 01	1508 6	12 3	1508 7			
T.P.	0 5	1496 8	12 3	1496 3			
50+00			~~12 2 1484 6~~		1° L	2" water pipe	
TP	0 1	1484 7	12 2	1484 6			
51+00			—		2° R	" "	"
T.P.	0 1	1472 6	12 2	1472 5			
TP	0 4	1460 7	12 3	1460 3			
51+31 5			9 1	1451 6	2° R	" "	" bend
TBM #45	0 1	1451 3	9 5	1441 2	stk @ W 45	see page 104 for loc.	
52+00			—		0° R	2" water pipe	
52+07 1			—		0 5 L	" "	"
TP	0 5	1439 6	12 2	1439 1			
52+74 0			—		2° L	" "	"
TP	1 5	1428 9	12 2	1427 4			
53+00			—		2° R	" "	"
53+18 3			47		6 2 R	" "	"
53+35			—		3° R	" "	"
53+75			49		0° R	" "	"
TP	0 0	1416 6	12 3	1416 6			
54+00			—		0° R	" "	"

Profile No. ____ X-Sec. No. ____
Notes Red ____ Plotted ____ Date ____
Notes Chkd ____ Checked ____ Date ____
Division No. ____ Job No. 001605
Survey of Lux Hollywood
Survey by R. J. MITCHELL Noted R. J. MITCHELL
Indexed C. Johnson Date ____

76298 S & E #307—7-55

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Do not extend notes this side of this line.

W-49 55

STATION	B. S.	H. I.	F. S.	ELEV.		
		1416 6				
54+34 1			1 1	1415 5	0 3 L	2" water pipe
TP	0 1	1404 8	11 9	1404 7		
55+00			—		0 3 R	" " "
55+03			9 5	1395 3	0 3 R	"T" - 2" Water goes S to Carters Ho.
55+04 5			—		0 3 R	2" pipe reduces to 1½" pipe
55+05 5			—		0 3 R	"T" 1½" pipe goes N 1 ft Then runs parallel to main.
55+18 2			—		0 3 R	1½" water pipe
do			—		1 7 R	fire hyd on 1½ pipe ~ pipe reduces to 1" & continues W
55+20 4			—		0 3 R	1½" water (main)
do			—		1 3 R	1" "
TBM	0 1	1391 2	9.7+4.0 13 7	1391 1	stk @ W-49	
55+47 0			—		0 0 R	1½" water line (main)
do			—		1 0 R	end 1" water line
56+00					1 0 R	1½" Water line (main)
TP	0 3	1375 3	12.2+4.0 16 2	1375 0		
TP	MINUS 0 2	1360 8	10.3+4.0 14 3	1361 0		
56+16 2					1 3 L	1½" water line

Profile Notes Red. Plotted Job No. 0016 Division No. F. B. 2384 Pg. 123
No. Date Date Survey of Lux Barclay - Water Source
X-Sec. Notes Chkd. Checked Survey by R. J. MITCHELL Note R. J. MITCHELL Date Aug. 59
No. Date Date Map No. Index C. Job Date

76298 S & E #307—7-55

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1360 8				
56+41 8					4° L 1½" water pipe	
TP	0 6	1345 6	11.8+4.0 15 8	1345 0		
57+00					0° R 1½" " "	
TP	0 5	1335 2	10 9	1334 7		
TP	0 0	1320 3	10.9+4.0 14 9	1320 3		
57+80 8					2 1 R 1½" " "	
57+88 4			7 1		2 3 R " " "	
TP	5 6	1304 0	9.5+12.4 21 9	1298 4		
57+92			—		3 2 R-"T" ~ 1" line runs parallel to main & goes to "stage"	
~~57+96°~~						
57+96°			6 9		3 5 R 1½" water line @ edge of Lower Clamshell Truck Trail	
~~58+10 7~~						
58+10 7			—		4 5 R 1½" Water line	
End profile	x—x	x—x	x—x	x—x	Location of Pipe Line Contd on page 151	
~~T.P.~~						
T.P.	8 1	1308 6	3 5	1300 5	BM "B" Elev 1269.6 FB 2249-176 ~ In the	
T.P.	0 3	1297 5	11 4	1297 2	City of Monrovia mi. Nly & Ely along Cloverleaf Dr.	
T.P.	0 4	1286 3	11 6	1285 9	& L. Clmsh. T.T. from the Int of the Dr. & Latone St. ~	
T.P.	5 5	1280 6	11 2	1275 1	300 ft. Sly from the T.T. at a locked gate &	
BM "B"			10 9	1269 7	127 ft. NNW fr. P.P. # 717720E A 1" IP. & GI Cap.	

F. B. 2384 Pg. 124 Job No. 0016.01 Division No. Notes Red. Plotted Profile
Survey of Lux Arboretum Water Source Date Date No.
Survey by R. J. MITCHELL Notes R. J. MITCHELL Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Page 110 Std. 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date July 59
Date	Indexed K. C. Johnson AUG 16 59

F. B. 2384 PG. 175

SURVEY SHOWING
CHAINING & RECHAINING
IN
SW 1/4 OF SEC. 14
FOR
LUX ARBORETUM
JN 0016.01

R.J. Mitchell
L.C. Smiley
M.L. Bustrum
R. R. Rodriguez

July, 1959

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763095 CE #247—7-53

F. B. 2384 PG. 126

NOTE:

After preliminary office checks had been applied to the survey of the SW 1/4 of Sec 14 as shown on pages 7-44 of this book & pgs. 83-91 of FB 2249 and pgs 187-191 of FB 473. it was decided that the lines shown on the following pages (117 - 129) should be chained or rechained.

A field evaluation of the results of this chaining indicates that the rechaining of the S line NW 1/4 - SW 1/4 of the section as shown on page 19 should be held.

Note that the angles at the E end and W end of the S line of the N 1/2 SW 1/4 Sec 14 have been returned and are shown on pages 9 & 11

RJ Mitchell
July 24, 1959

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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 Lux Arboretum
Map No.	JN 0016.0 Tape 110 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 7/59
Date	Indexed A. C. Johnson

F. B. 2384 PG. 127

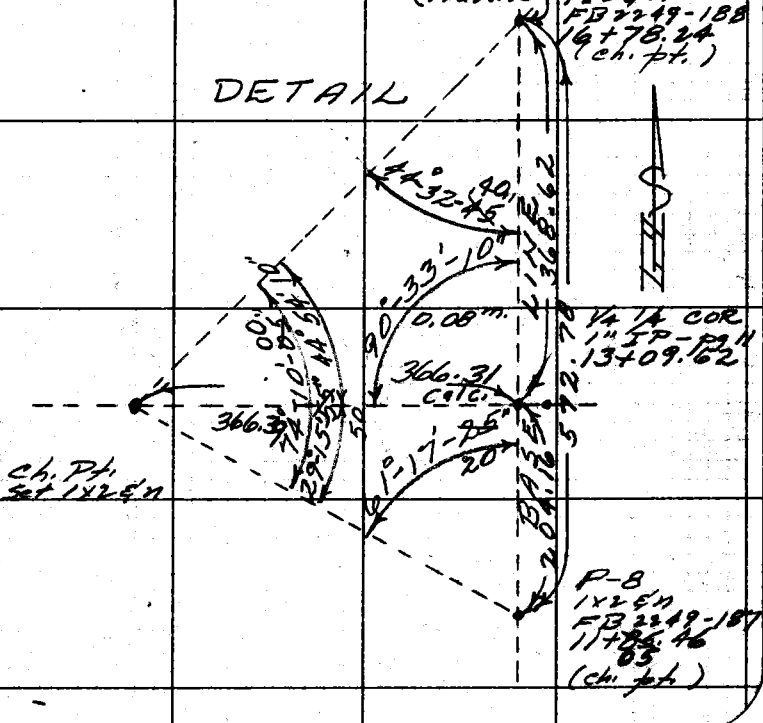
CHAINING ALONG SOUTH LINE N½ SW¼
SECTION 14
FROM: SW COR NE¼ SW¼ 1"IP pg. 15
TO : SE " " " " 1"IP pg. 11
— SEE PAGES 11 & 15 —

	26.77	sec pg 15		= 26.77
	21.54	Lev.	(T= 82°)	= 21.54
1)	54.95	@ 33°13'00	(T= 90°)	= 45.97
2)	55.36	@ 33 52 30	"	= 45.96
		Av		= 45.96
1)	291.34	@ 2°57	(T= 90°)	= 290.96
2)	291.35	@ 2°41	"	= 291.08
3)	291.39	@ 3°07	"	= 290.97
		Av		= 290.96
1)	200.54	@ 5°56	(T= 90°)	= 199.48
2)	200.66	@ 6°11	"	= 199.50
		Av		= 199.49
1)	282.59	@ 4°03	(T= 94°)	= 281.50
2)	282.73	@ 4°23	"	= 281.92
		Av		= 281.91
1)	98.84	@ 5°24	(T= 86°)	= 97.51
2)	98.94	@ 5°44	"	= 97.52
		Av		= 97.51
		by triang. (see below)		= 366.39
		To #1		= 1330.33 meas.
				1330.46 {calc. from traverse

Set 1x2 Sh. at each point.

1)	44	54	10
4)	179	36	50
6)	269	25	00
Av)	44	34	10
1)	29	15	50
4)	117	03	50
6)	175	35	30
Av)	29	15	55
1)	74	10	10
4)	286	40	10
6)	85	00	40
Av)	74	10	06 2/3
1)	44	32	40
4)	178	11	00
6)	267	16	30
Av)	44	32	45
1)	90	33	10
4)	362	17	40
6)	183	19	10
Av)	90	33	11 2/3
			ch. Pt. Set 1x2 Sh
1)	61	17	30
4)	245	09	50
6)	367	44	40
Av)	61	17	26 2/3

DETAIL



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763098 CE #247—7-55

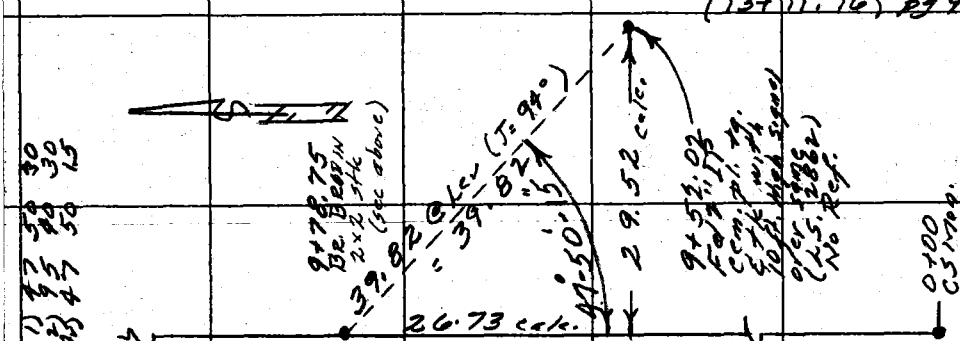
F. B. 2384 PG. 128

CHAINING ALONG WEST LINE SEC 14

FROM: SW COR OF SEC. - CS Mon. - FB 473-188, 2249-96, 2384-9

TO : S 1/16 COR - 1" IP FB 2384-9

Slope Dist.	Vert. Angle	Temp.	Horiz. Dist.	Station	Notes
1) 87.64 @	34°09'00"	(T=68°)	= 72.52	0+00	CS Mon page 9
2) 88.14 @	34 37 45	"	= 72.52		
Avg			= 72.52		
1) 263.49 @	13 53 30	(T=82°)	= 255.78	0+72.52	set 1x2 & n on ln.
2) 263.70	14 02 30	"	= 255.82		
3) 263.49	13 52 30	"	= 255.80		
Avg			= 255.81	3+28.33	set 1x2 & n. on ln. in motor trail in Cn Bot.
1) 185.09 @	28 34 00	(T=84°)	= 162.56		
2) 187.87 @	30 05 15	"	= 162.56		
Avg			= 162.56	4+90.89	set 1x2 & n on line on spur
1) 262.04 @	13° 29 00	(T 82°)	= 254.82		
2) 261.86 @	13° 20 00		= 254.80		
Avg			= 254.81	7+45.70	set 1x2 & n on line on spur - Fd 1x2 & n 4.47 N & 0.03 W - FB 473-188
1) 180.97 @	10° 43	(T=82°)	= 177.81		
2) 181.14 @		"	= 177.82		
Avg			= 177.81	9+23.51	set 1x2 & n. on line
1) 55.36 @	3° 50	(T=94°)	= 55.24		
2) 55.30 @	2° 42		55.24		
Avg			55.24	9+78.75	Set B. Brad in E edge of 2x2 stk 0.07 E of nail F.B. 473-188
1) 248.41 @	8° 28	(T=94°)	= 245.72		
2) 248.60 @	8 43		= 245.73		
Avg			= 245.72	12+24.47	set 1x2 & n on line
1) 40.83 @	19° 58	(T=94°)	= 38.38		
2) 40.44 @	18° 20		= 38.39		
Avg.			= 38.38	12+62.85	set 1x2 & n on line
1) 56.82 @	31 40 00	(T=90°)	= 48.36		
2) 55.13 @	28 40		= 48.37		
			= 48.36	13+11.21 (13+11.16)	1" IP pg 9



DETAIL TO SHOW FD. PIPE

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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 Lux Arboretum F. B. 2384 PG. 129
Map No.	JN 0016.01 Tape 110 Std. 84 °F
Office Work	Surveyed by M. Fehlin
Checked	Notes Mitchell Date 7/59
Date	Indexed C. Johnson

CHAINING N. ALONG W LINE - SEC. 14
(cont'd from page 128)

FROM: South 1/16 COR - 1" IP - pg 9 & 128
TO : SW COR N½ NW¼ SW¼ - 1" IP - pg 20

					(13+11.16)	pg 9
					13+11.21	pg 128
79.38	@	Level	(T=80)	= 79.38	13+90.59	ch. pt. on
1) 236.28	@	20 33 30	(T=88)	= 221.24		
2) 236.60	@	20 44 45	"	= 221.27		
3) 236.40	@	20 37 30	"	= 221.26		
	Avg			= 221.26	16+11.85	Fd 1x1 Proj. ch. pt. FB 473-189
42.45	@	Level	(T=88°)	= 42.45	16+54.30	Fd 1" IP pg 9
					(16+54.34)	FB 473-189
1) 31.67	@	18° 17' 00	(T=92°)	= 30.07		
2) 31.88	@	19 24 30	"	30.07		
	Avg			30.07	16+54.37	set 1x2 & n
1) 283.03	@	4° 07 00	(T=88)	= 282.31		
2) 283.08	@	4° 15 00	"	= 282.31	19+66.68	Fd 1" IP
					(19+66.74)	pg. 20

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763098 CE #247—7-58

Notes Ck'd by	Survey of Lux Arboretum	F. B. 2384 Pg. 131
Map No.	JN 0016.01 Tape 130 Std 84 °F	
Office Work	Surveyed by R.J. Mitchell	
Checked	Notes Mitchell Date 9/59	
Date	Indexed [redacted] C. Jonnson 10-8-59	

SURVEY SHOWING
CORRECTED LOCATION
PARCEL NO. 2
LUX ARBORETUM
ALSO THE
CORRECTED LOCATION OF
THE
NORTH LINE OF THOMPSONS 10 ACRES
NORTH LINE OF SCHROEDERS 10 ACRES

JN 0016.01

R.J. Mitchell
L.C. Smiley
M.L. Bustrum
A.A. Martinez

Sept. 1959

NOTE: An office check of the survey of the West Line of the NW 1/4 of the section reveals a mistake in reducing a slope measurement which in turn affects the location of the parcels indicated in the title above. See page 59 for mistake & pg 60 for

(contd on pg 132)

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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76F3095 CE #247—3-57

F. B. 2304 Pg. 132

NOTE: (cont'd from pg. 131)
corrected distance between Random N. Line of the S½ of the S½ of the NW¼ and the True N line of the parcel.

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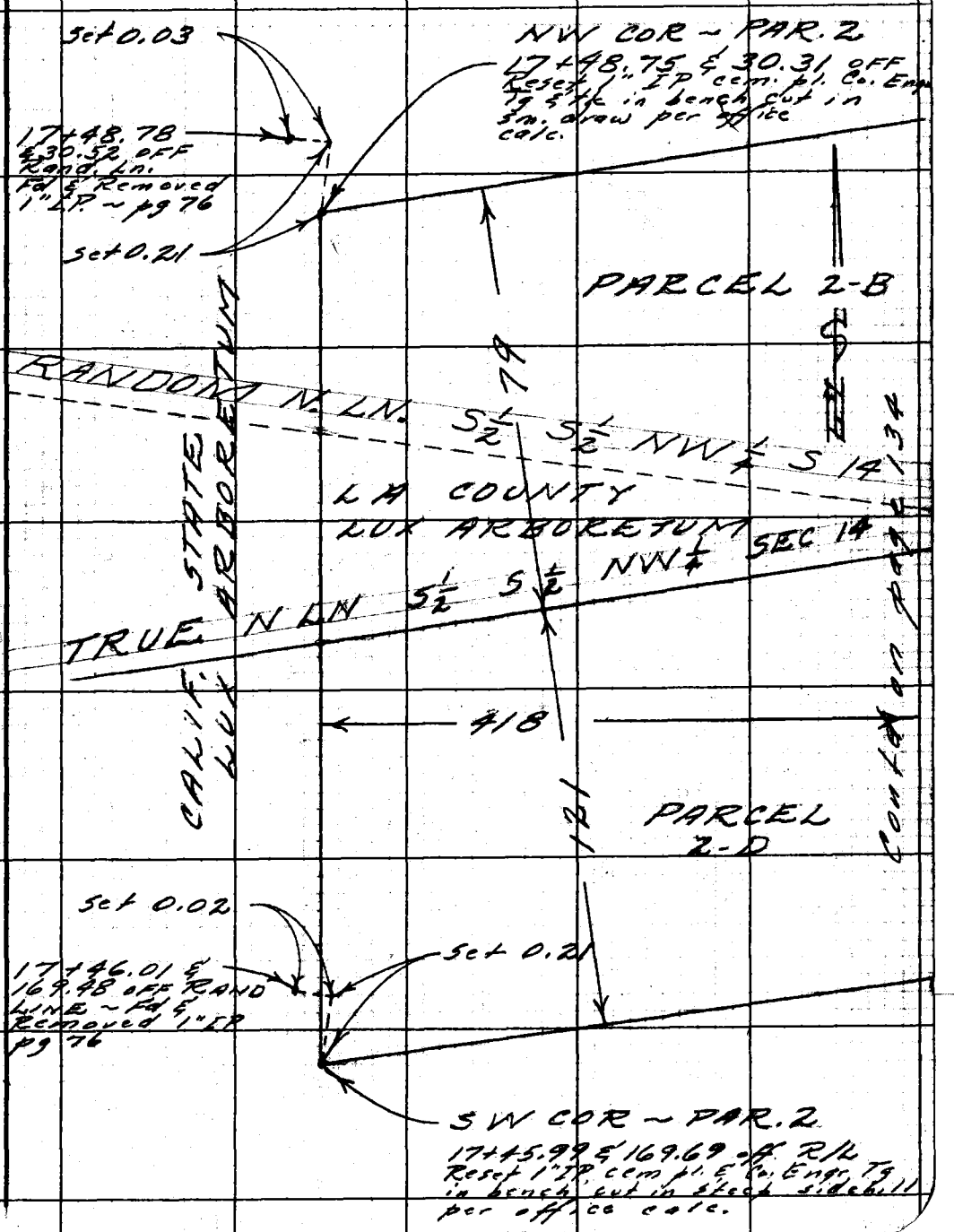
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.0 Tape 101 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 9-59
Date	Indexed C. Johnson

F. B. 2384 Pg. 133



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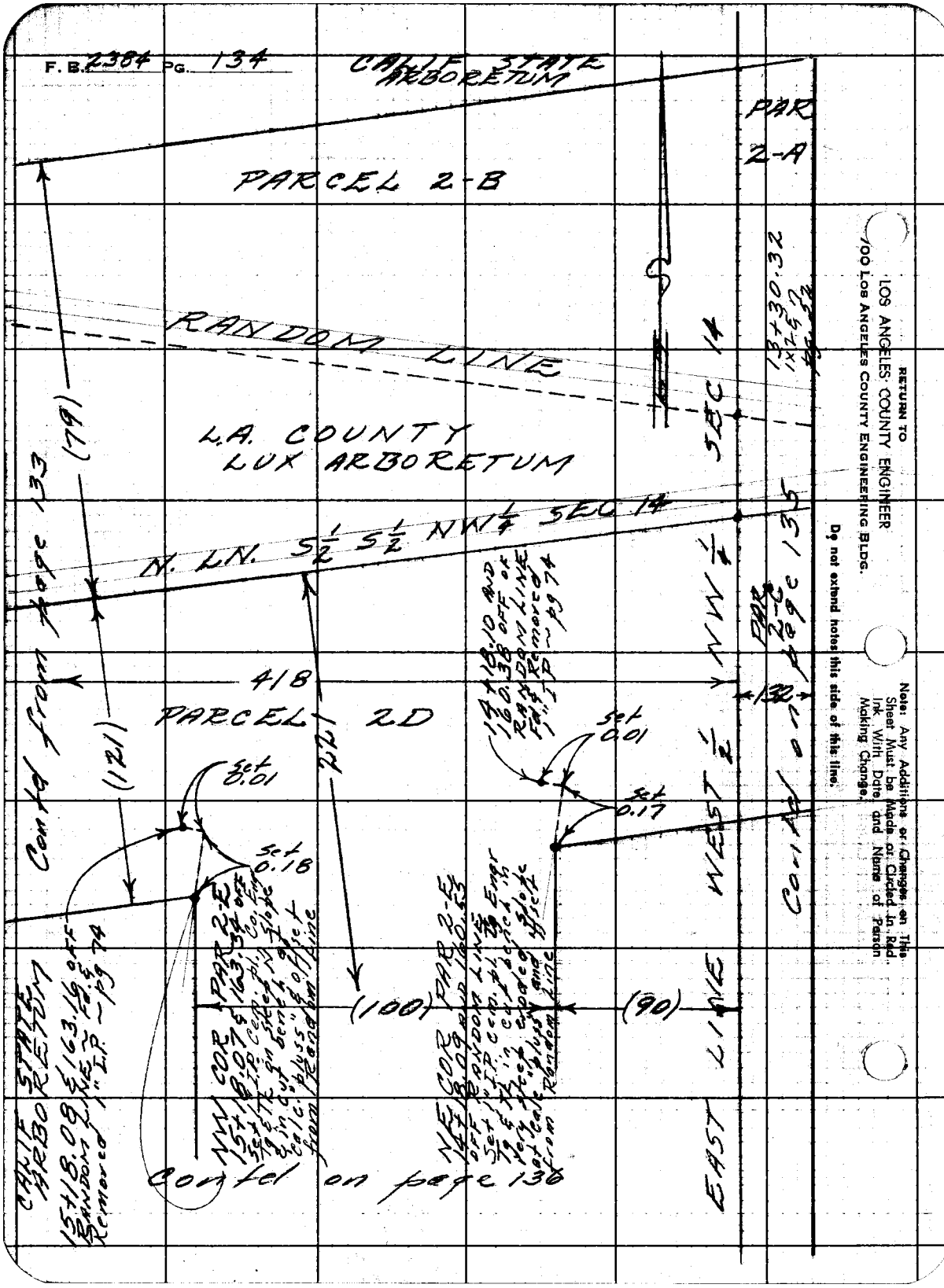
763098 CE #247—7-53


F. B. 2384 PG. 134
CALIF STATE ARBORETUM
PAR 2-A
PARCEL 2-B
RANDOM LINE
L.A. COUNTY LUX ARBORETUM
N. LN. S½ S½ NW¼ SEC 14
SEC 14
NW¼
PAR 2-C
418
PARCEL 2D
132
(79)
(121)
221
(100)
(90)
Set 0.01
Set 0.18
Set 0.01
Set 0.17
Contd from page 133
Contd on page 135
Contd on page 136
CALIF STATE ARBORETUM
15+18.08 & 163.16 OFF RANDOM LINE ~ Fd. & Removed 1" I.P. ~ pg 74
NW COR PAR 2-E 15+18.07 & 163.34 OFF Set 1" I.P. cem. pl. Co. Eng Tg & Tl in cut bench in Slope & in cut bench at Calc. "pluss" & offset from Random Line
NE COR PAR 2-E 14+18.09 AND 160.55 OFF RANDOM LINE Set 1" I.P. cem. pl. Tg Engr Tg & Tl in cut bench in very steep eroded slope at Calc. "pluss" and offset from Random Line
14+18.10 AND 160.38 OFF of RANDOM LINE Fd. & Removed 1" I.P. ~ pg 74
EAST LINE WEST ½
13+30.32
1x2.57
pg 52
RETURN TO
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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.
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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 101 Std. 84 °F
Office Work	Surveyed by R. Mitchell
Checked	Notes Mitchell Date 9/59
Date	Indexed A. C. Johnson

F. B 2384 Pg. 135

CALIF. STATE LUX ARBORETUM

11+98.94 & 45.77 OFF RANDOM LINE Fd & Removed 1" IP pg 75

Set 0.03

Set 0.14

NE COR PAR. 2 11+98.91 & 45.63 OFF FROM RANDOM LINE Reset 1" IP cem pl. Co. Engr. Tg & Tk. in bench cut in steep S slope per office calc.

PARCEL 2A

197.98

132

198

RANDOM LINE

79

121

Contd from Page 134

LA COUNTY LUX ARBORETUM

N. LINE $5\frac{1}{2}$ - $5\frac{1}{2}$

200.02 ±1.80

THOMPSON & POPE

NW¼ - 5 14.

DR 20516-205

Set 1" IP cem pl. Co. Engr. Tg & Tk in bench cut in steep S slope per office calc. Tie Pt. S 0.01 & W 0.01 Tie Pt. S 0.01 & W 0.01 Tie Pt. S 0.01 & W 0.01

Set 2" I Guard Pipe MAG "SET 10 MON"

PARCEL 2C

11+96.17 and 154.23 OFF RANDOM LINE Fd & Removed 1" IP pg 75

Set 0.01

Set 0.14

198.00

1-22-60 ~ Tot. #94 ~ Std 84°

1) 158.60 @ 17° 46 30 (T=62°) = 140.31
2) 159.05 @ 28 05 30 " = 140.39
4.9 = 140.30
1) 62.47 @ 19° 20 (T=62°) = 58.94 less 1.24 = 57.70
2) 61.28 @ 19° 40 " less 0.00 = 57.70
4.9 = 57.70
Total = 198.00

SE COR PAR 2 11+92.16 & 154.39 OFF Set 1" IP cem pl. Co. Engr Tg & Tk in bench cut in steep N slope of clamshell Ridge per office calc.

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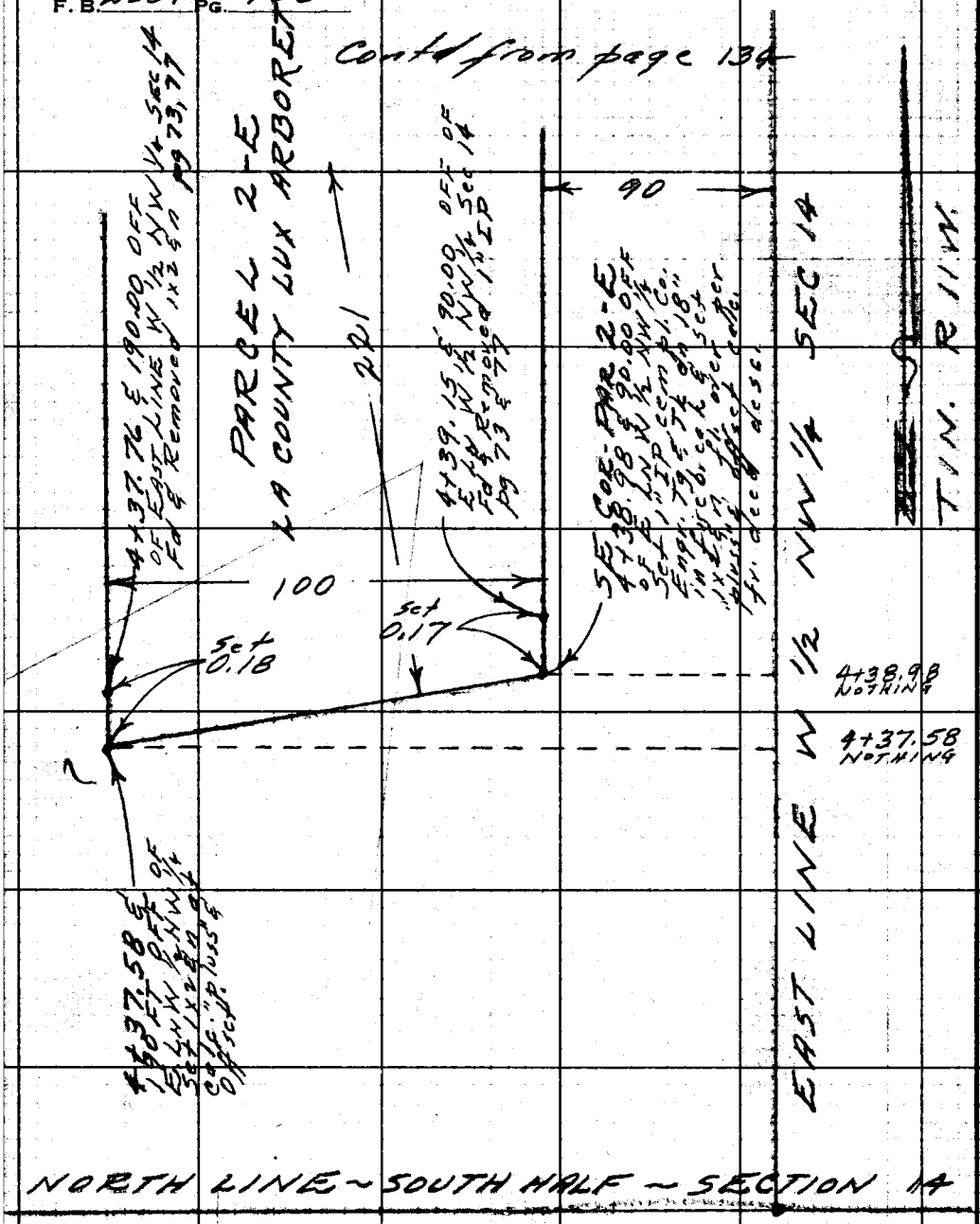
763098 CE #247—7-55

F. B. 2384 PG. 136

Contd from page 134



Corr fr. pg 73

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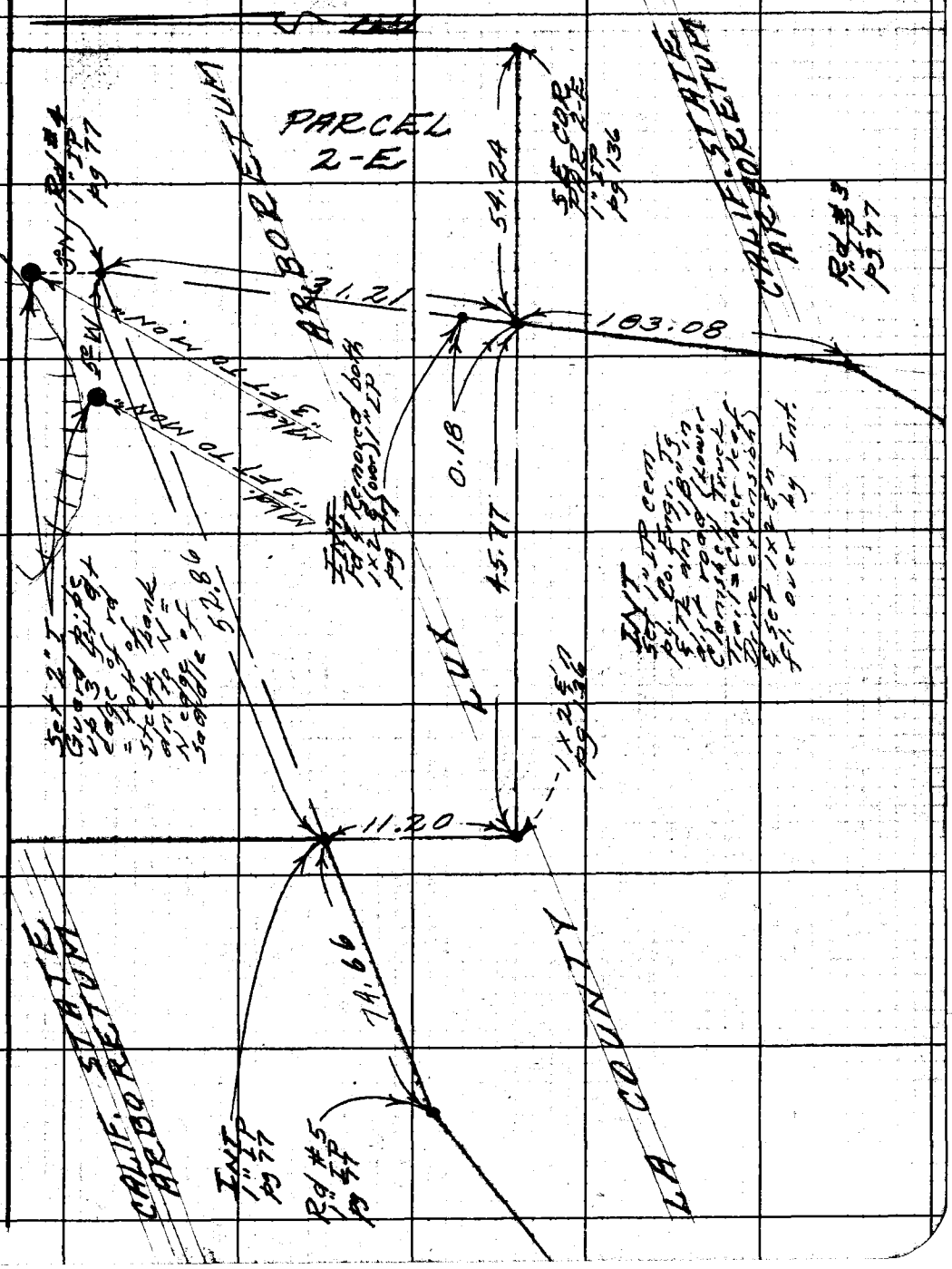
Notes Ck'd by	Survey of Lux Arboretum	F. B 2384 PG. 137
Map No.	JN 0016.01 Tape 101 Std 84 °F	
Office Work	Surveyed by R.J. Mitchell	
Checked	Notes Mitchell Date 9/59	
Date	Indexed A. C. Johnson	



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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700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-59

F. B. 2381 PG. 138

NE COR THOMPSONS 1 ACRE PAR ~ set 1" IP Cem pl, Co. Eng. 1966 ft of Rec. Brng & Dist. fr. SE Cor of Par. ~ Falls at base of Mtn. on N bank Claushell Crk. ~ Set rocks around.

NW COR THOMPSONS 1 AC. PAR. Cut beach in steep slope set 1" IP cem pl, Co. Eng. 1966 1000 N of NE Cor PAR 2 LUX ARBORETUM

LUT

CALIF. STATE

256.37 - 42°02' = 36.35 (PG 139)

198.01 mes.

LAC. PAR.

NE COR PAR 2 1" IP pg. 135

set 20.00 see pg 141

197.98

220.02

Set 1x2 EN C most SW shot Witness from SE Cor Rec. brng from same

42°-20'-45"

PAR # 2 LA. CO. LUX ARBORETUM

THOMPSONS 1 AC. PAR.

48'-20'-15"

48' set 25' to E line

90° set nail in SW 1/4 sec

220'

198.00

SE COR THOMPSONS 1 ACRE PAR. Fd 1" IP & sh. fed same 0.03 E. per chaining pg 139 ~ Pr is set of Rec. dist. & brng from NE Cor SE 1/4 SW 1/4 NW 1/4 Sec. 14

SE COR PAR 2 SW COR THOMPSONS 1 ACRE PARCEL 1" IP pg 135

NOTE: ● = 2" I Guard & mkd 15 set to 50 ft & up 3 ft.

NOTE: - See pages 139 for explanation of chaining shown on this page.

NOTE: - This page & pg 139 & pg 140 added 3/29/60 : RJM.

1)	190	48	30	1)	48	28	00	1)	48	27	45
4)	363	13	45	4)	193	53	00	4)	153	50	40
6)	187	50	45	6)	290	49	15	6)	290	46	00
	90	48	27½	AV)	48	28	14½	AV)	48	27	40

1)	42	20	45
4)	169	23	40
6)	254	04	30
AV)	42	20	45

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 Lux Arboretum
Map No.	JN 2016.01 Tape 94 Std. 84 °F
Office Work	Surveyed by R.T. Mitchell
Checked	Notes M. Lehell Date 3/60
Date	Indexed R. C. Johnson

F. B. 2384 Pg. 137

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700 Los Angeles County Engineering Bldg.

RECHAINING ALONG SOUTH LINE THOMPSONS 1 ACRE PAR

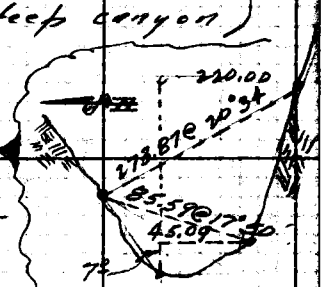
See pg 135 & 138

1) 62.07 @ 21°41' (T=58°) = 57.67
2) 61.38 @ 20°01'30" (T=60°) = 57.46
3) 61.70 @ 20 44 30 " = 57.69
Avg = 57.67
1) 97.57 @ 31°05 30 " = 83.54
2) 97.06 @ 30 34 30 " = 83.55
Avg = 83.54
1) 60.73 @ 26 51 30 " = 56.74
2) 61.67 @ 23 00 30 " = 56.79
Avg = 56.73
Total = 197.94
Chaining per pg 135 = 198.00
Shifted 5 Avg of 2 chainings = 197.97
Shifted 5 Cor E = 0.03
Total = 198.00

CHAINING N. TO SET NE COR THOMPSONS 1 ACRE PAR

See pg 138 (crossing steep canyon)

1) 273.87 @ 20°39 (T=56°) = 256.37
~~2) 274.15 @ 20 41 " = 256.52~~
3) 279.36 @ 20 49 30" " = 256.38
Avg = 256.37
Then back (S)
1) 85.59 @ 17°50 (T=64°) = 81.47
2) 84.49 @ 15°22 " = 81.46
Avg = 81.46
Difference = 174.91
Then ahead (N)
45.09 @ Level (T=70°) = 45.09
Total = 220.00
North = 0.02
220.02



Profile accross canyon on E line Thompsons 1 Ac looking East

CHAINING ALONG N LINE THOMPSONS 1 ACRE

See pg 138

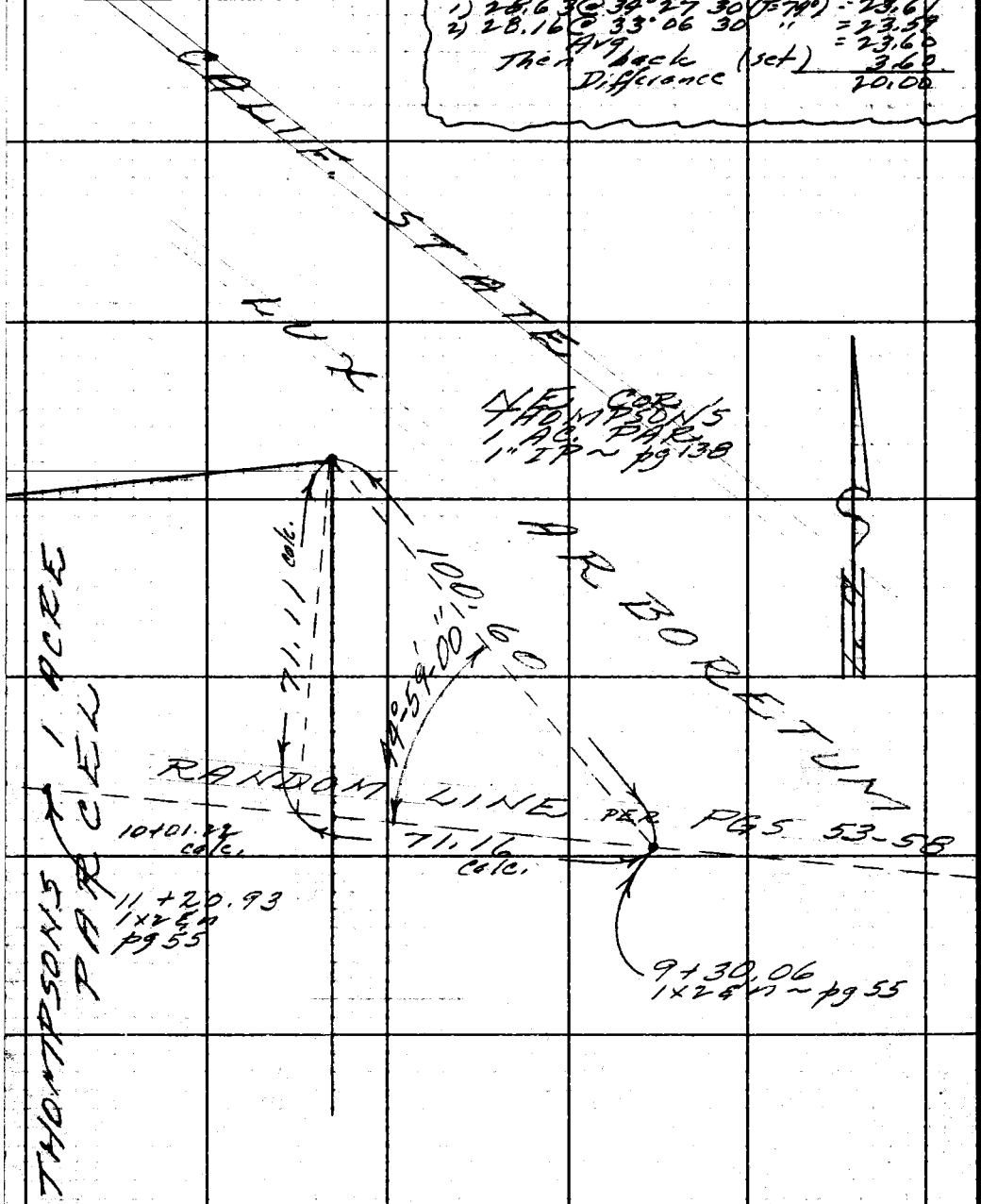
1) 119.74 @ 24°52'15" (T=74°) = 108.63
~~2) 120.22 @ 25 18 45 " = 108.67~~
3) 119.27 @ 24 24 00 " = 108.61
Avg = 108.62
1) 35.69 @ Level (T=74°) = 35.69
2) 54.41 @ 20 42 30 (T=74°) = 53.70
3) 54.81 @ 21 43 30 " = 53.70
Avg = 53.70
Total = 198.01

78F3098 SBE #247 11-58

F. B. 2384 PG 140

CHAINING ~ PAGE 138

1) 28.63 @ 34° 27 30 (T=74°) = 23.61
2) 28.16 @ 33° 06 30 " = 23.59
Avg = 23.60
Then back (set) 3.60
Difference 20.00



1) 44 59 00
4) 179 56 00
6) 269 54 00
Av) 44 59 00

1) 111.32 @ 25 19 30 (T=68°) = 100.61
2) 110.04 @ 23 53 30 " = 100.60
Avg = 100.60

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Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 00160 Tape 130 Std. 84 °F
Office Work	Surveyed by Smiley & Mitchell
Checked	Notes Smiley & Mitchell 8-29-59
Date	Indexed L. C. Johnson 10-8-59

F. B. 2384 Pg. 131

Page

SURVEY SHOWING
LOCATION OF WATERLINES
FOR PORTIONS OF
LUX ARBORETUM
IN THE S.W. QUARTER
OF SECTION 14
T1N. R11W. S.B.B.M.

CONT'D FROM PG. 124.

J.N. 0016.01

AUGUST 1959

SMILEY, L.C. — Chf. & T.
BUSTRUM, M.L. — T & H.C.
RODRIGUEZ, R.R. — R. & C.
Mitchell, R.J. — Chf. after 9/15/59

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763095 CE #247—7-55

Cont'd. fr. Lt. Side Pg. 107

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 00160 Tape 130 Std 84 °F
Office Work	Surveyed by Smiley
Checked	Notes Smiley Date 8-'59
Date	Indexed C. J. [illegible]

F. B. 2384 Pg. 133

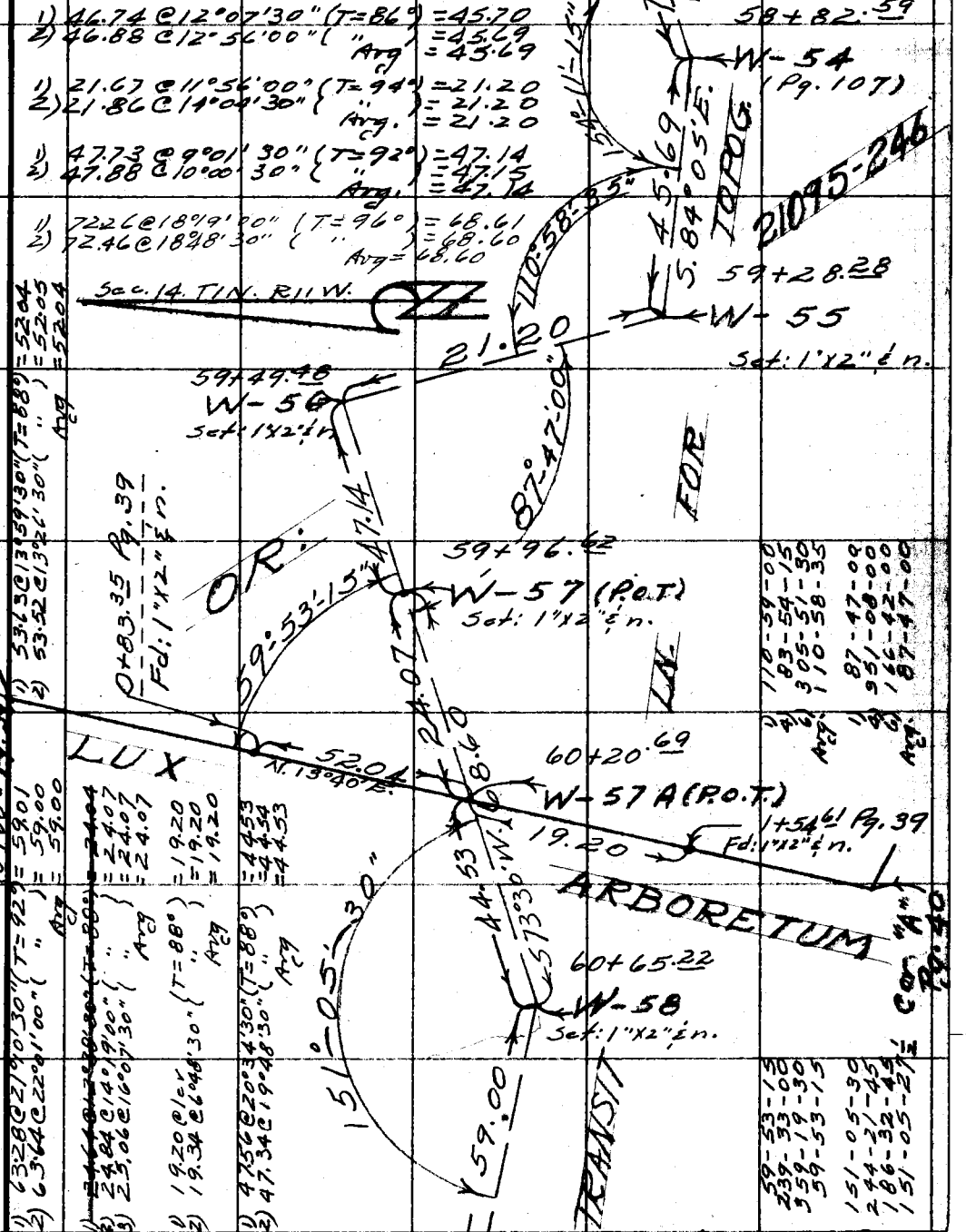
1) 154-11-15
4) 256-45-00
6) 205-07-30
Av. 154-11-15

1) 46.74 @ 12°07'30" (T=86°) = 45.70
2) 46.88 @ 12°56'00" (") = 45.69
Avg = 45.69

1) 21.67 @ 11°56'00" (T=94°) = 21.20
2) 21.86 @ 14°04'30" (") = 21.20
Avg. = 21.20

1) 47.73 @ 9°01'30" (T=92°) = 47.14
2) 47.88 @ 10°00'30" (") = 47.15
Avg. = 47.14

1) 72.26 @ 18°19'00" (T=96°) = 68.61
2) 72.46 @ 18°48'30" (") = 68.60
Avg = 68.60



1) 53.63 @ 13°59'30" (T=88°) = 52.04
2) 53.52 @ 13°26'30" (") = 52.05
Avg = 52.04

1) 110-59-00
4) 83-54-15
6) 305-51-30
Avg. 110-58-35

1) 87-47-00
4) 951-08-00
6) 166-42-00
Avg. 87-47-00

1) 63.28 @ 21°10'30" (T=92°) = 59.01
2) 63.64 @ 22°01'00" (") = 59.00
Avg = 59.00

1) 24.64 @ 12°38'30" (T=88°) = 24.04
2) 24.84 @ 14°19'00" (") = 24.07
3) 25.06 @ 16°07'30" (") = 24.07
Avg = 24.07

1) 19.20 @ lev
2) 19.34 @ 6°48'30" (T=88°) = 19.20
Avg = 19.20

1) 47.56 @ 20°34'30" (T=88°) = 44.53
2) 47.34 @ 19°48'30" (") = 44.54
Avg = 44.53

1) 59-53-15
4) 239-33-00
6) 359-19-30
Avg. 59-53-15

1) 151-05-30
4) 244-21-45
6) 186-32-45
Avg. 151-05-27½

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76F3096 S&E #247 1-56

59+96.62
24.07
60+20.69

Cont'd. on Pg. 134

Cont'd. from Pg. 134

F. B. 2384 Pg. 134

SEC. 14 T1N. R11W.

267-21-30	173-33-00	183-26-00
264-09-00	334-12-00	130-36-15
47-21-30	321-18-00	203-26-02
	173-33-00	183-26-00

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Cont'd. on Pg. 135

Cont'd fr. Pg. 134

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 130 Std 84 °F
Office Work	Surveyed by Smiley
Checked	Notes Smiley Date 8-59
Date	Indexed C. Johnson

F. B. 2384 Pg. 135

SEC 14 T1N R11W

1) 192-39-15
4) 50-37-30
6) 75-56-00
Avg. 192-39-20

1) 40-19-15
4) 161-17-15
6) 241-55-30
Avg. 40-19-15

1) 118.72 @ 1er. (T=68°) = 118.71
2) 118.74 @ 1°10'30" (") = 118.72
Avg. = 118.71

1) 73.18 @ 23°48'15" (T=76°) = 66.95
2) 73.40 @ 24°13'00" (") = 66.94
Avg. = 66.94

7.65 @ 1er. (T=76°) = 7.65
7.93 @ 1er. (T=76°) = 7.93

L.A. COUNTY LUX ARBORETUM.

192°-39'-20"

Note: For this line, see: Pg. 136

TOPOG. FOR TRANSIT LN.

125.81 (N 74°30' W.)

65+43.97 = 163+43.97 L
W-161 Going to left or Sly
Set 1"x2" & n. BEGIN LINE "100"

91.34

118.71

164+62.68
W-162
Set 1"x2" & n. (P.O.T.)

66.94 (N. 86°0' W.)

Fd 1"x2" & n. Pg. 32

165+29.62
W-163
Set 1"x2" & n. (P.O.T.)

7.65

7.93

329

165+37.27
W-164
Set 1"x2" & n. (by Int)

END LINE "100"

D: 20648

1+34.80

See: Pg. 32

Cont'd. on Pg. 136

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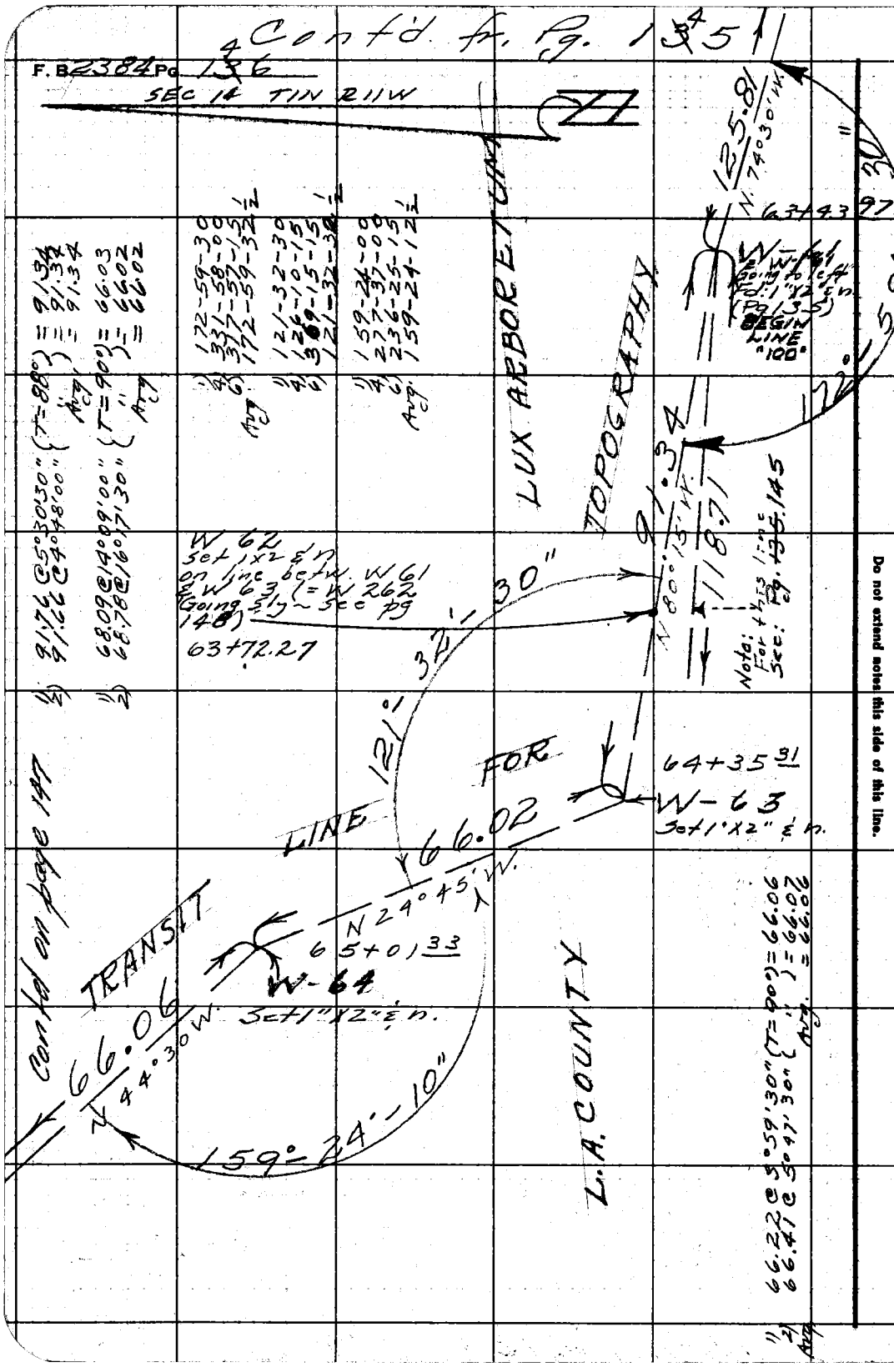
76F309S CE #247—3-57



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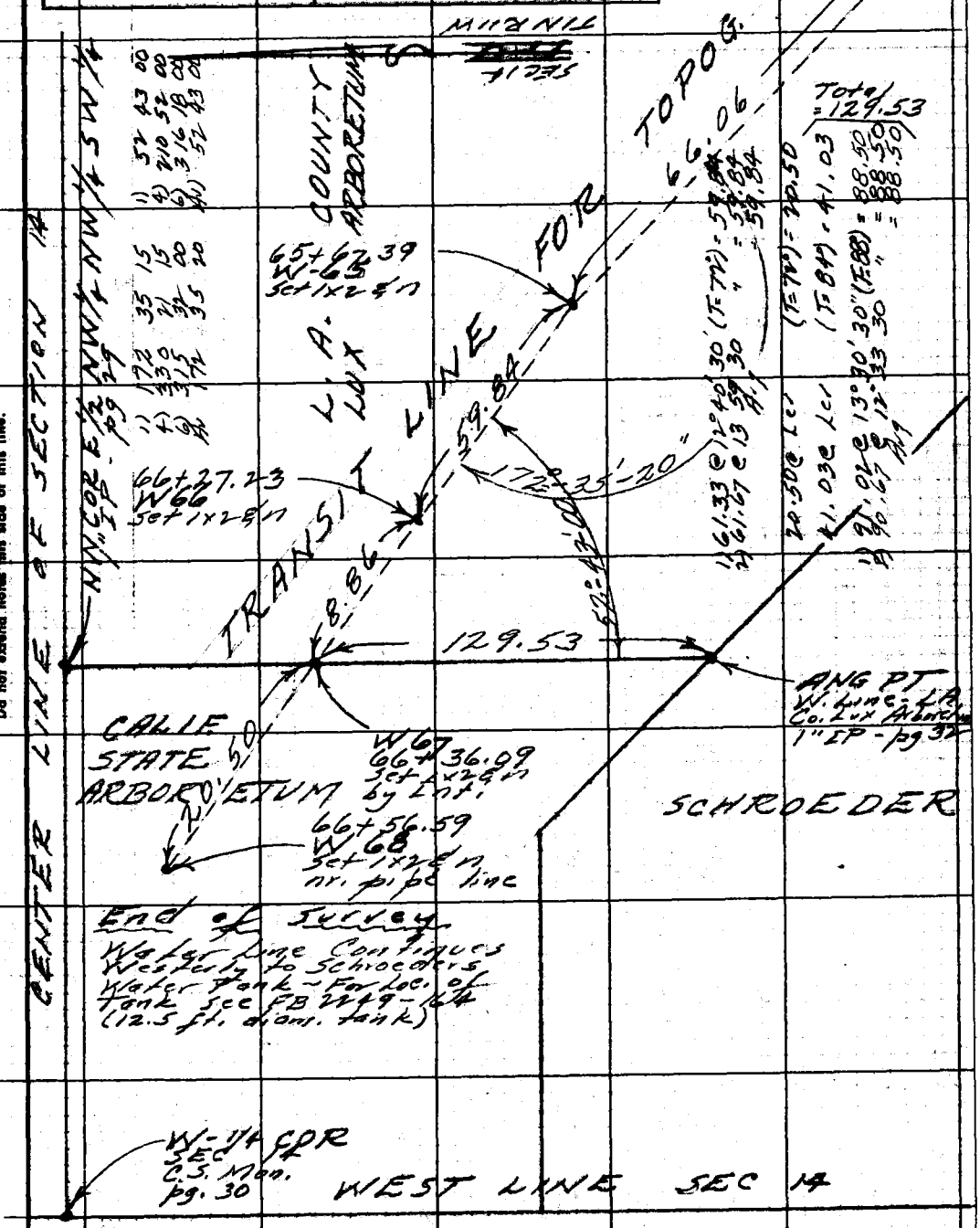
Water Lines

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 130 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 9/59
Date	Indexed C. Johnson

F. B 2384 Pg. 147

Contd from page 146



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RETURN TO
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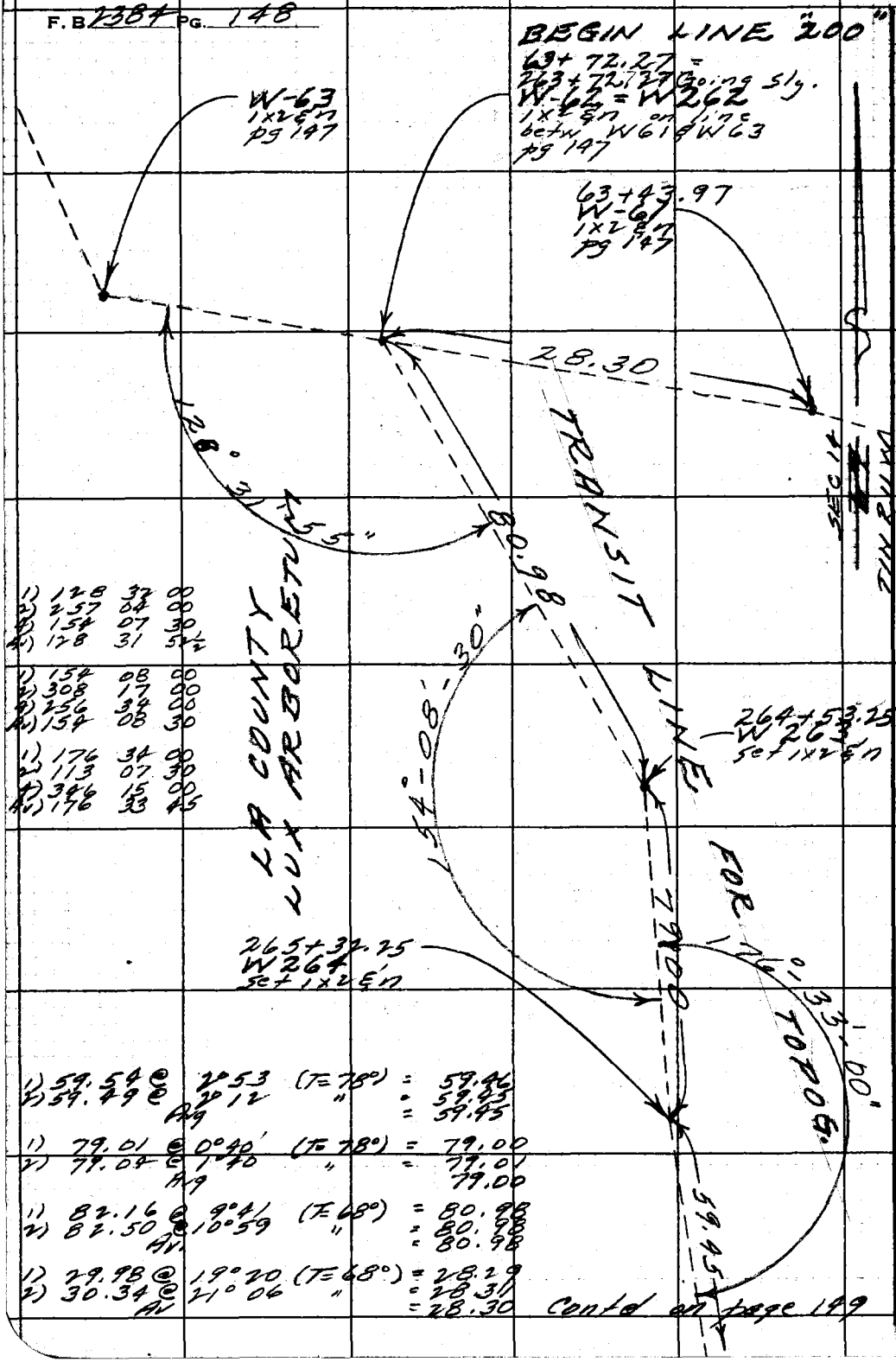
76309S CE #247—7-53

F.B. 2384 PG. 148



1) 128 32 00
2) 257 04 00
3) 154 07 30
Av) 128 31 52½

1) 154 08 00
2) 308 17 00
3) 256 34 00
Av) 154 08 30

1) 176 34 00
2) 113 07 30
3) 346 15 00
Av) 176 33 45

1) 59.54 @ 2°53 (T=78°) = 59.46
2) 59.49 @ 2°12 " = 59.45
Avg = 59.45

1) 79.01 @ 0°40' (T=78°) = 79.00
2) 79.04 @ 1°40 " = 79.01
Avg 79.00

1) 82.16 @ 9°41 (T=68°) = 80.98
2) 82.50 @ 10°59 " = 80.98
Av. = 80.98

1) 29.98 @ 19°20 (T=68°) = 28.29
2) 30.34 @ 21°06 " = 28.31
Av = 28.30

Contd on page 149

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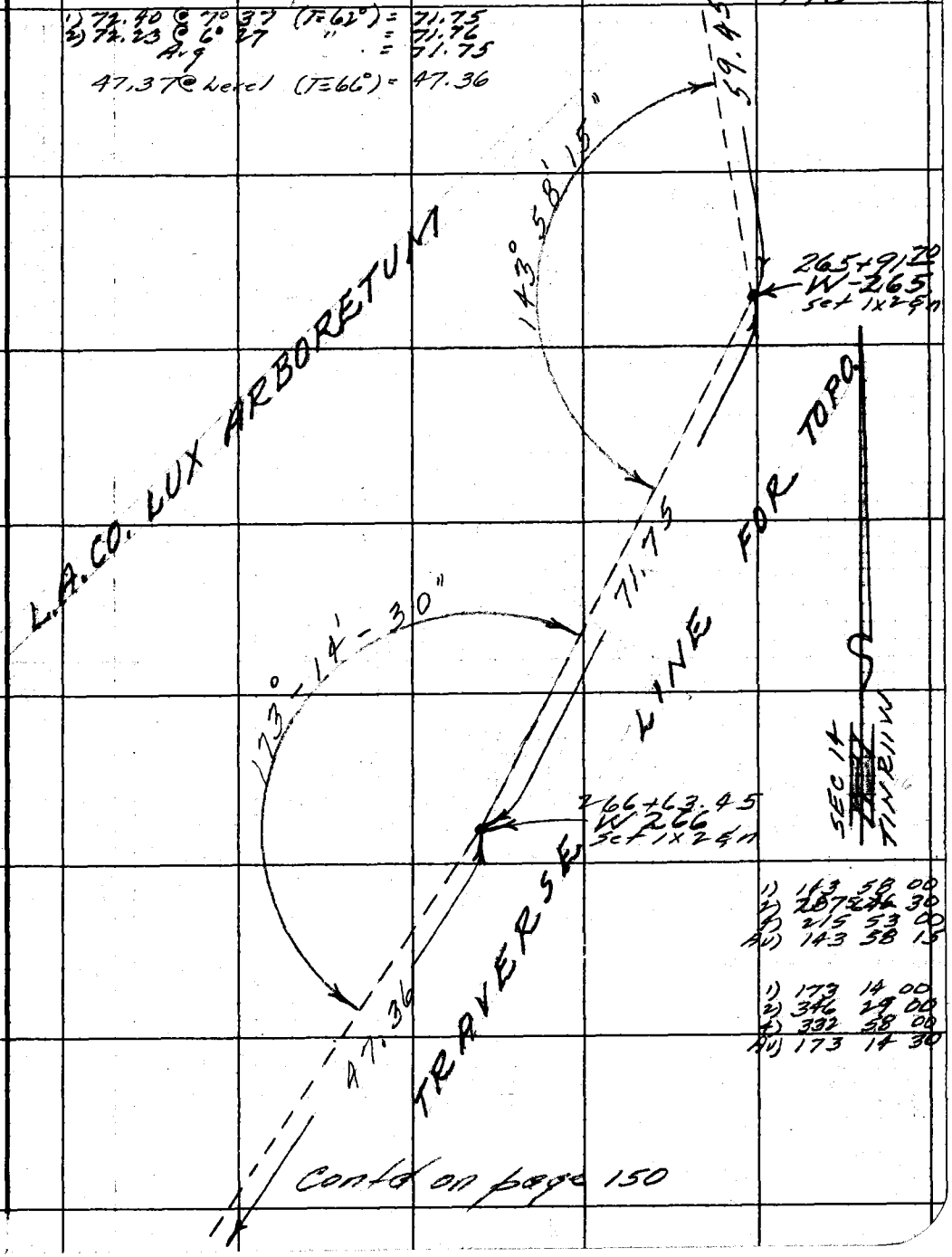
Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 130 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 9/59
Date	Indexed A. C. Johnson

F. B. 2384 PG. 149

Contd from page 148

1) 72.40 @ 7° 37 (T=62°) = 71.75
2) 72.23 @ 6° 27 " = 71.76
Avg = 71.75

47.37 @ Level (T=66°) = 47.36



1) 143 58 00
2) 287 56 30
3) 215 53 00
Av) 143 58 15

1) 173 14 00
2) 346 29 00
3) 332 58 00
Av) 173 14 30

Contd on page 150

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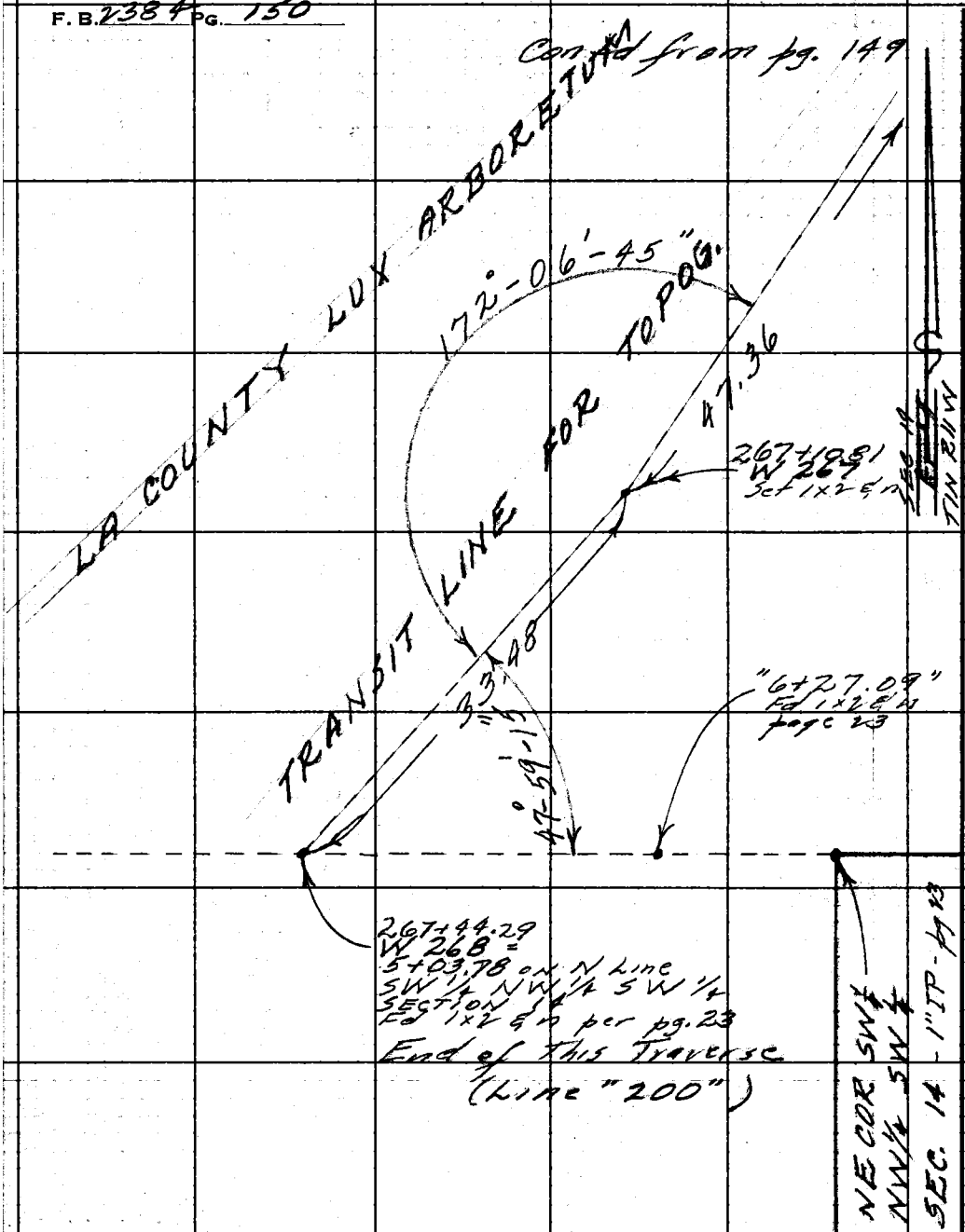
763098 CE #247—7-53

F. B. 2384 PG. 150



1)	172	06	30
2)	344	13	30
4)	328	27	00
Av)	172	06	45
1)	47	59	30
2)	95	56	30
4)	191	57	00
Av)	47	59	15

1) 36.12 @ 22°03 (T=64°) = 33.48
2) 36.55 @ 23°40 " = 33.48
Avg = 33.48

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763095 CE #247—7-53

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1) 186 20 00
2) 12 40 30
3) 25 21 00
A) 186 20 15

1) 199 19 00
2) 38 37 30
3) 77 15 00
A) 199 18 45

1) 118 28 45
2) 236 57 90
3) 113 54 45
118 28 41¼

W 60
62+18.16
1x2 E17
pg 144

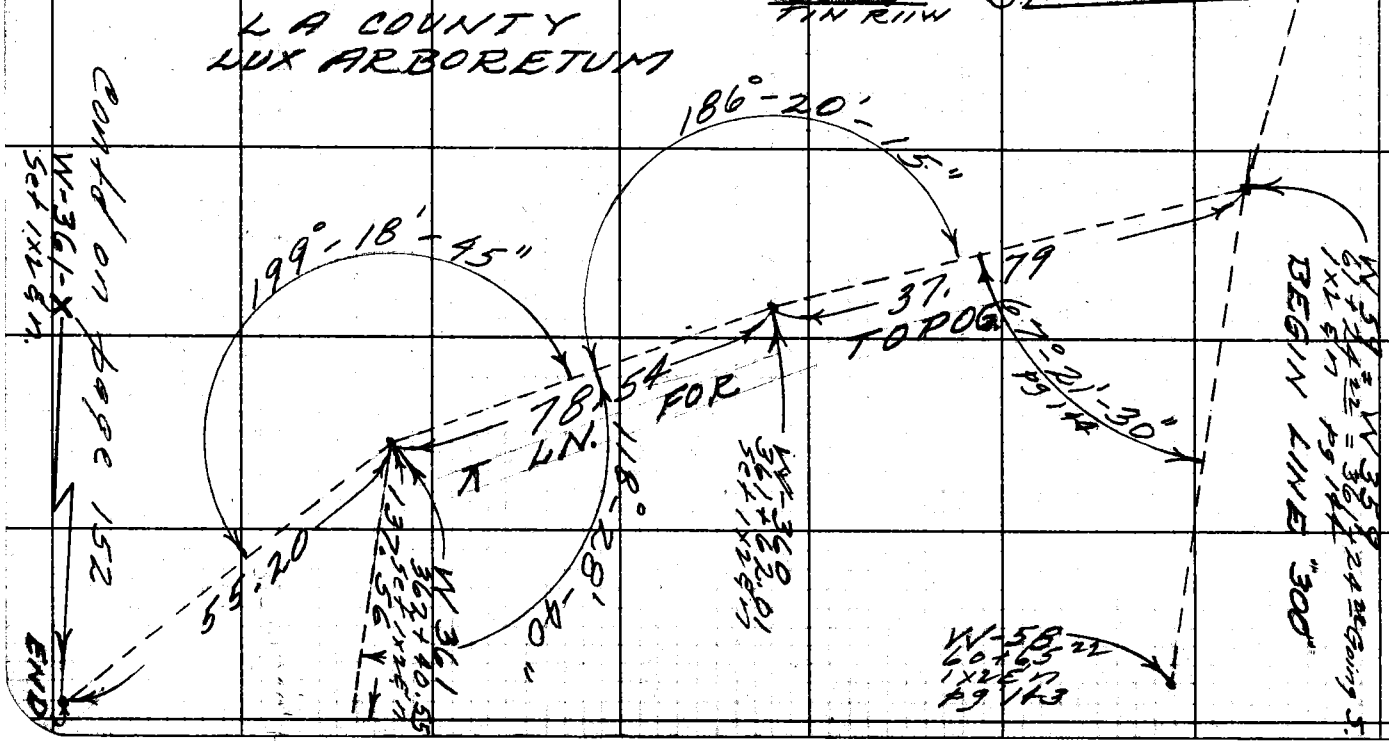
1) 37.83 @ 2:25 (T=74°) = 37.80
2) 37.86 @ 3:24 = 37.79
Avg = 37.79

137.58 @ Lev (T=66°) = 137.56
55.21 @ Lev (T=68°) = 55.20

1) 78.22 @ 7:26 (T=70°) = 78.54
2) 79.05 @ 6:27 = 78.54
Avg = 78.54

SEC 12
T1N R11W

LA COUNTY
LUX ARBORETUM



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

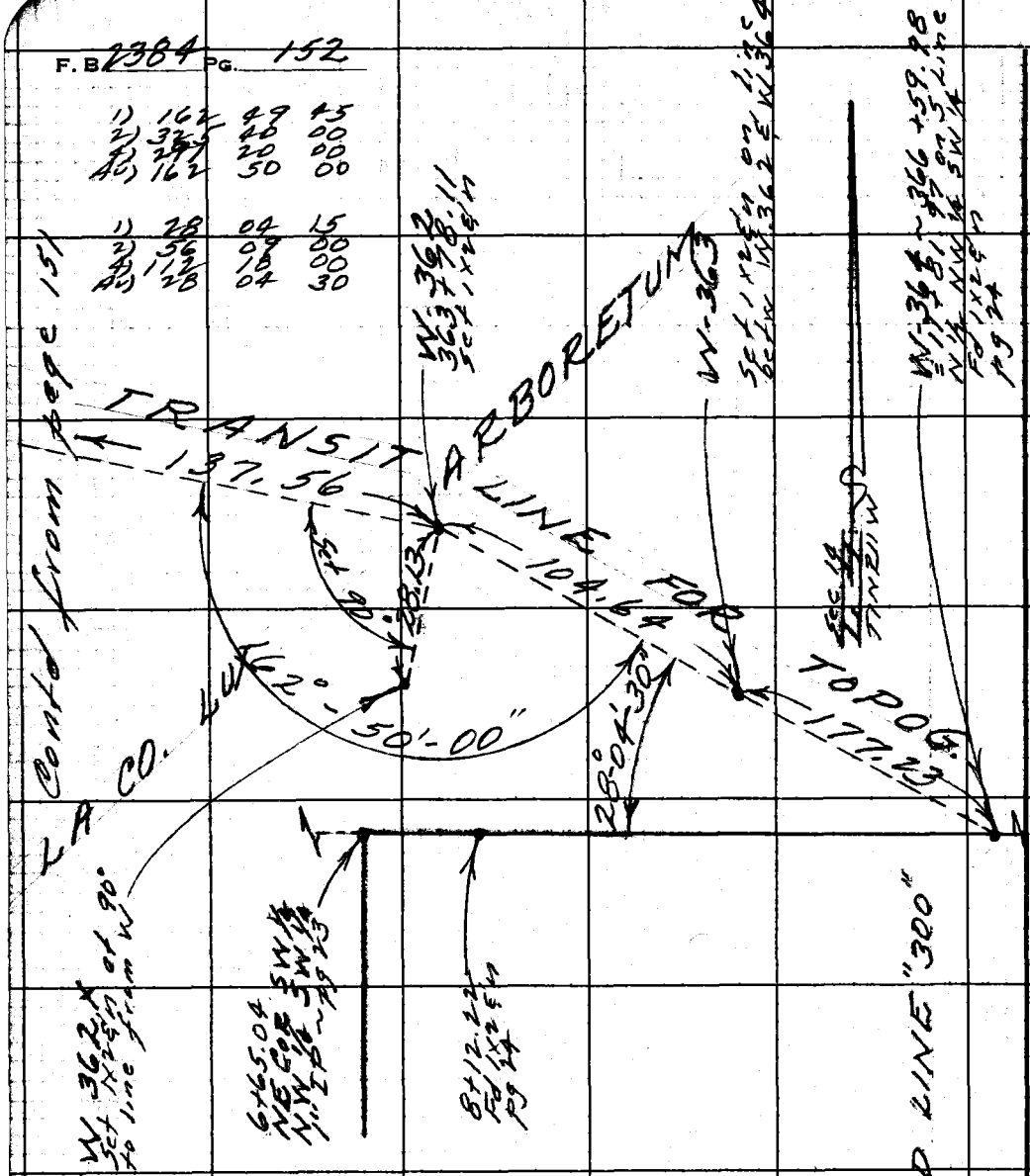
Survey of Lux Arboretum
JN 0016.01 Page 130 Sig. of °F
Surveyed by R.T. Nagel
Notes Mitchell Date 10/53
Indexed C. J. [illegible]

F. B. 1254 PG. 151

F.B. 2384 PG. 152

1) 162 49 45
2) 325 40 00
3) 297 20 00
Av) 162 50 00

1) 28 04 15
2) 56 09 00
3) 112 18 00
Av) 28 04 30



104.65 @ Level (T=66°) = 104.64
1) 177.61 @ 3°39 (T=66°) = 177.23
2) 177.70 @ 4°02 " = 177.24
Avg = 177.23

28.13 @ Level (T=66°) = 28.13

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Notes Ck'd by	Survey of LUX ARBORETUM
Map No. CSB. 2711	JN 0016.01 Tape 189 Std 84 °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.M Date 11-1-63
Date	Indexed R. J. GALLI NOV 29 '63

F. B. 2384 PG. 153

LUX ARBORETUM

SURVEY

OF

FIRE ROAD

IN

SOUTH WEST 1/4

OF SECTION 14

T 1 N R 11 W

FOR

ADDITIONAL PROPERTY

REF-

F.B. 2384

F.B. 2249

F.B. 473

C.S.B. - 2711

J.P. MENNE

R.D. SMITH

R. RODRIGUEZ

R. MOORE

L. C. LOVE

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76F3095 CE #310 8-62

(INDEX)

F. B. 2384 PG 154

WEST 1/4 COR.

CENTER SECTION

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P. 32

P. 32

P. 164

P. 32

P.I. No. 6
P. 162

P.I. No. 7
P. 163

P.I. No. 4
P. 160

P.I. No. 5
P. 161

SOUTH LINE OF N 1/2 OF N.W. 1/4 OF S.W. 1/4 OF SEC. 14

P. 22

P. 159

P.I. No. 3
P. 159

P.I. No. 2
P. 158

P.I. No. 1
P. 157

P. 156

P. 155

WEST LINE OF SEC. 14

P. 155 S.W.
SECTION CORNER

NOTE

ON PAGES 157 TO 164 - DISTANCES TO TENTHS ON NOTES ARE TAKEN TO EDGE OF TRAVELED DIRT ROAD

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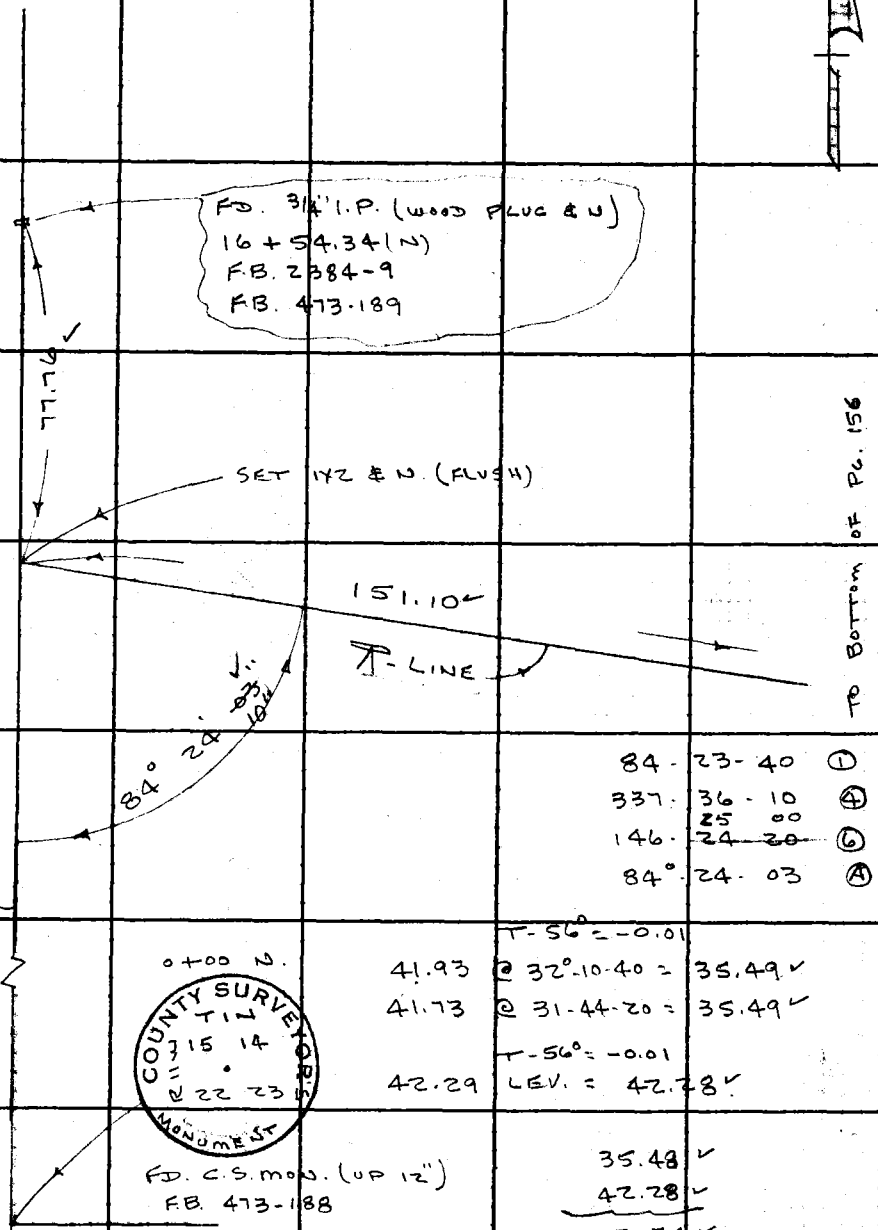
Notes Ck'd by H. E. AUSTIN	Survey of LUX ARBORETUM
Map No. CSB. 2711	JN 0016.01 Tape 189 Std 84 °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.m Date 11-22-63
Date	Indexed G. J. GALLI

F. B. 2384 PG. 155



TO BOTTOM OF PG. 156

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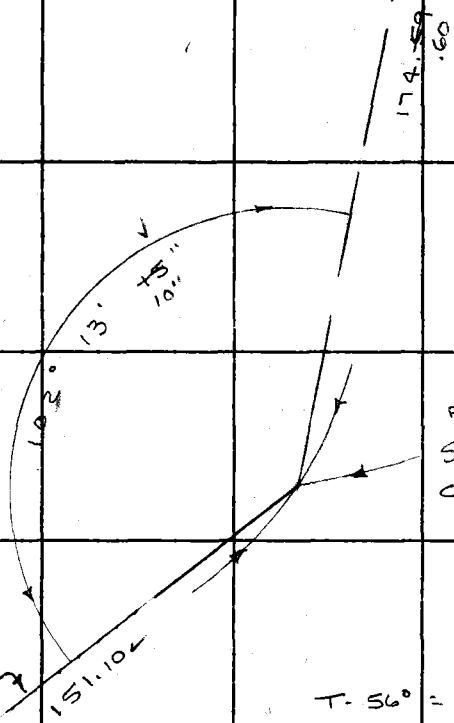
79F3093 CE #310 6-62

To Bottom of Pg. 157

F. B. 2384 PG 156

102 - 13 - 00 ①
48 - 53 - 00 ④
253 - 19 - 30 ⑥
102 - 13 - 15 Ⓐ



P.O.S.T.
SET 1" I.P. #
C.E. TAG.
(DN. 12")

T- 56° = -0.03

151.85 @ 5°-34' = 151.13
151.79 @ 5°-17 = 151.14

To Right of Pg. 155

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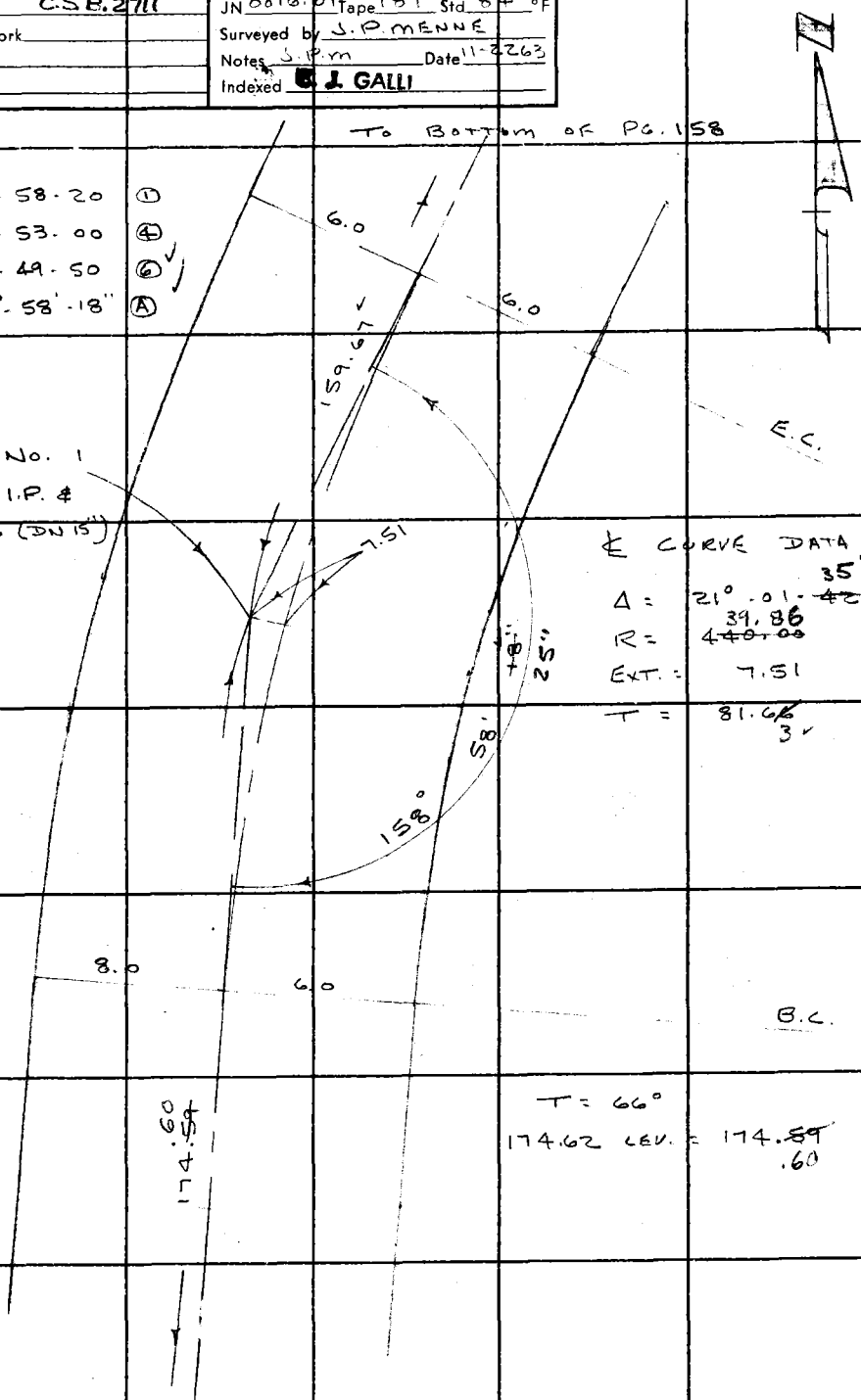
Notes Ck'd by H. E. AUSTIN	Survey of LUX ARBORETUM
Map No. C.S.B. 2711	JN 0016.01 Tape 189 Std 84 °F
Office Work	Surveyed by J. P. MENNE
Checked	Notes J.P.M. Date 11-2263
Date	Indexed E. J. GALLI

F. B. 2384 PG. 157



TO TOP OF PG. 156

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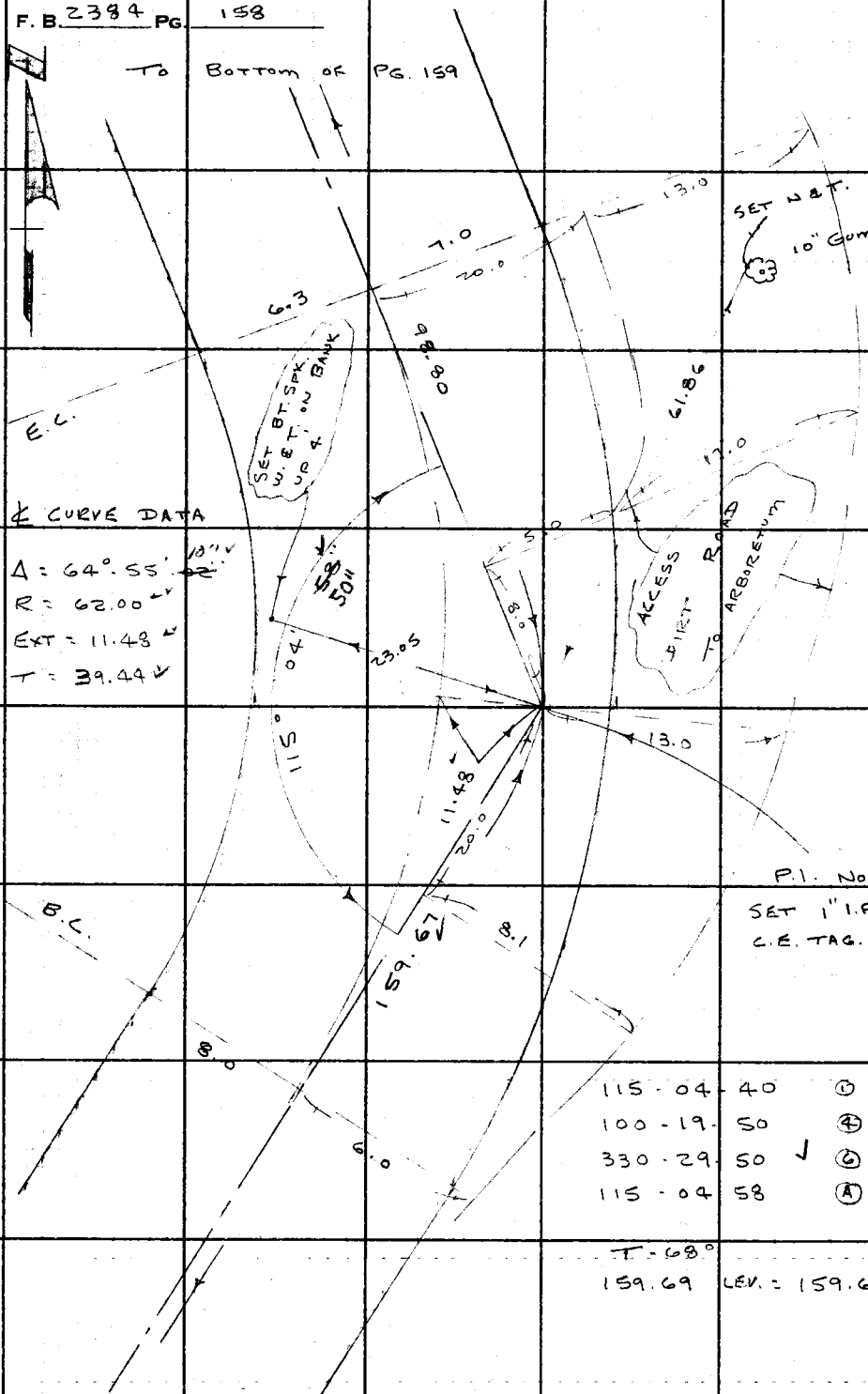
76F309S CE # 310 3-61

F. B. 2384 PG. 158

To Bottom of Pg. 159



℄ CURVE DATA

Δ = 64°.55' 10"
R = 62.00
EXT = 11.48
T = 39.44

P.I. No. 2
SET 1" I.P. & C.E. TAG. (DN.12")

115 - 04 - 40 ①
100 - 19 - 50 ④
330 - 29 - 50 ⑥
115 - 04 - 58 Ⓐ

T - 68°
159.69 LEV. = 159.67

To Top of Pg. 157

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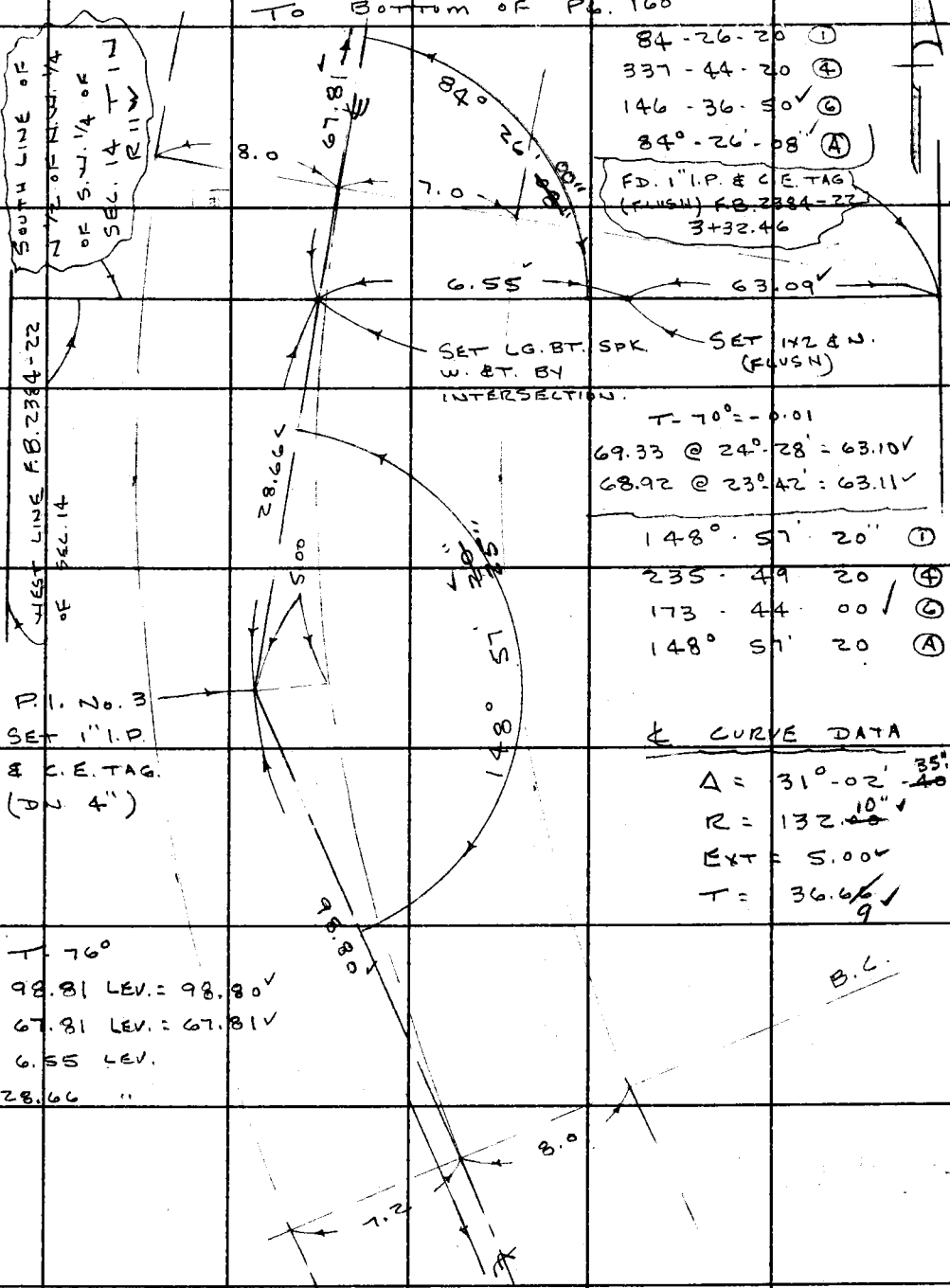
Notes Ck'd by H. F.	Survey of LUX ARBORETUM
Map No. CSB.2711	JN 0016.01 Tape 116 Std 84 °F
Office Work	Surveyed by J.P. MENNE
Checked	Notes J.P.M Date 10-31-63
Date	Indexed C. J. GAILI

F. B. 2384 PG. 159

To Bottom of Pg. 160



To Top of Pg. 158

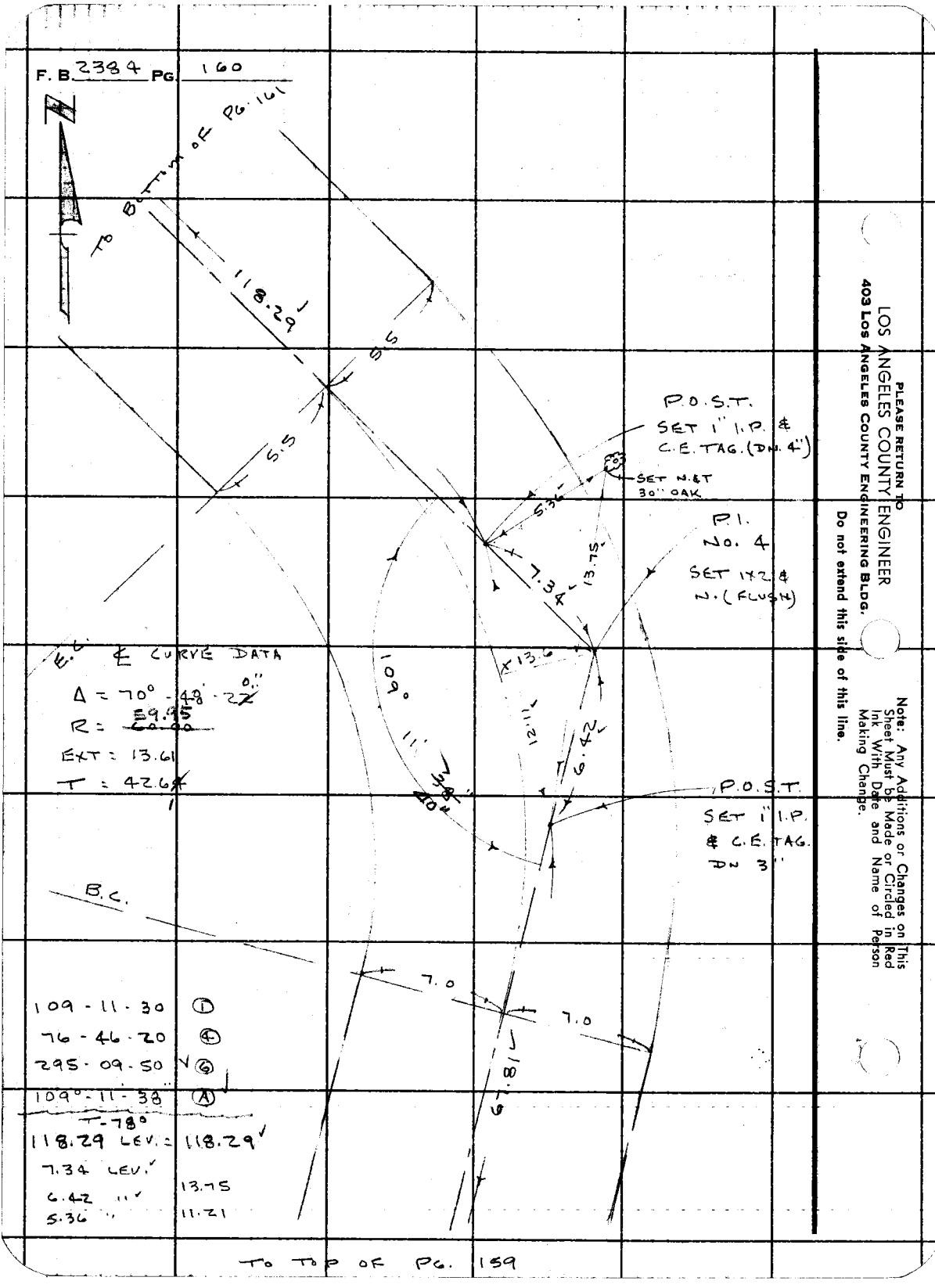
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

76F3095 CE # 310 3-61

F. B. 2384 PG. 160



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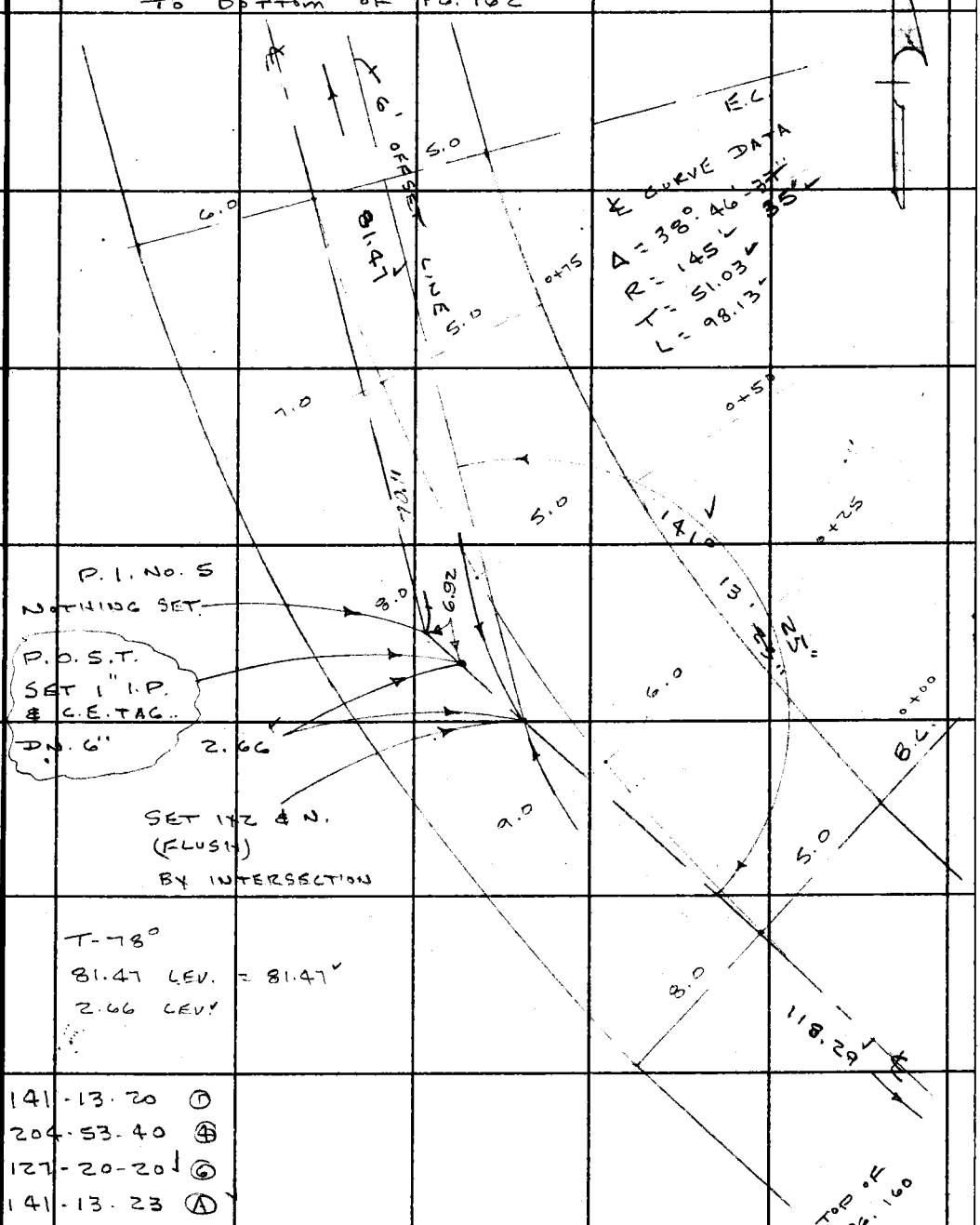
TO TOP OF PG. 159

Notes Ck'd by R. E. Austin	Survey of LUX ARBORETUM
Map No. CS.B.2711	JN 0016.01 Tape 189 Std 84 °F
Office Work	Surveyed by J. P. MENNE
Checked	Notes	Date 11-18-63
Date	Indexed E. J. GALLI

F. B. 2384 PG. 161

TO BOTTOM OF PG. 162



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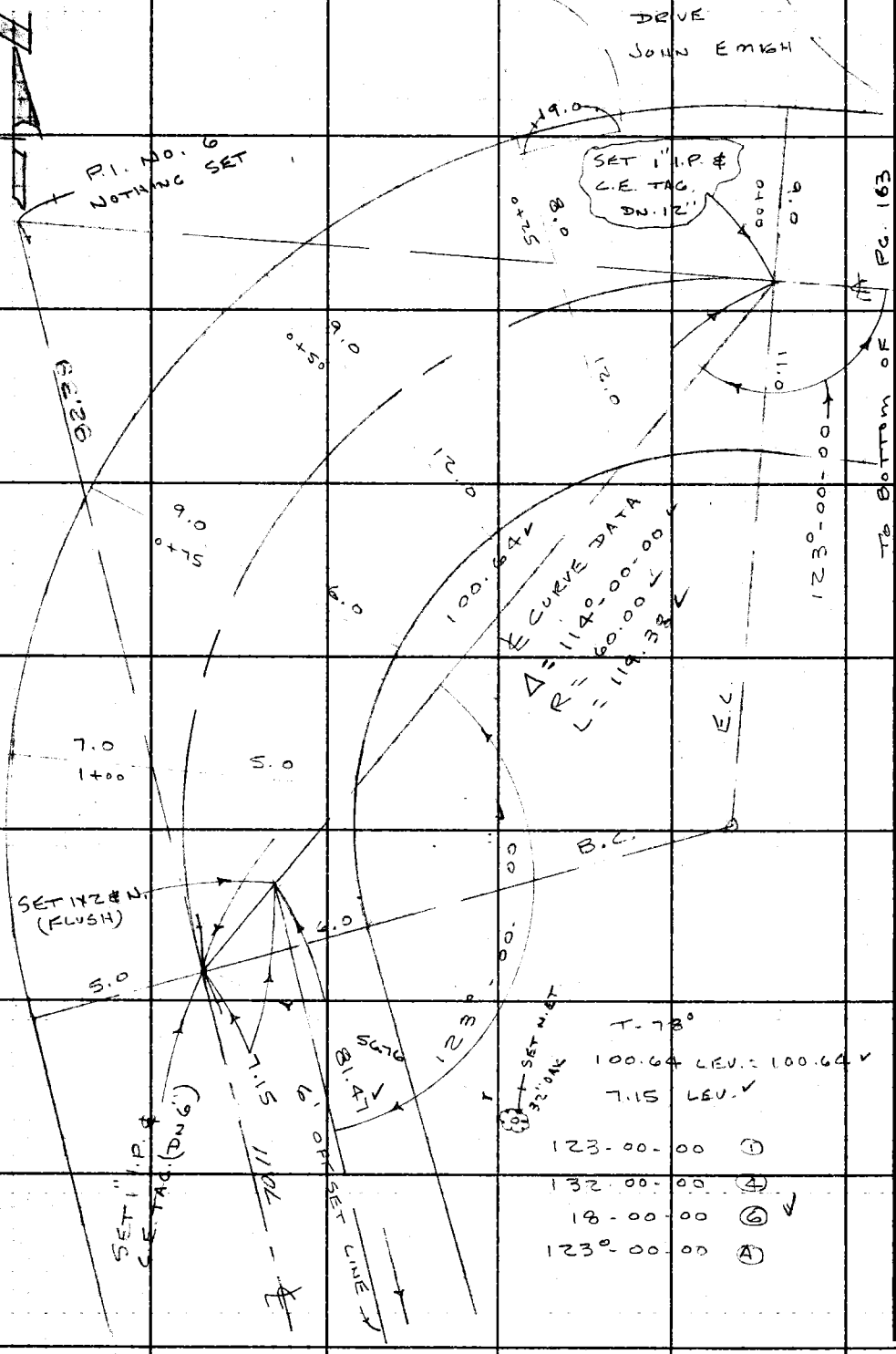
76F3095 CE # 310 3-61

F. B. 2384 PG. 162



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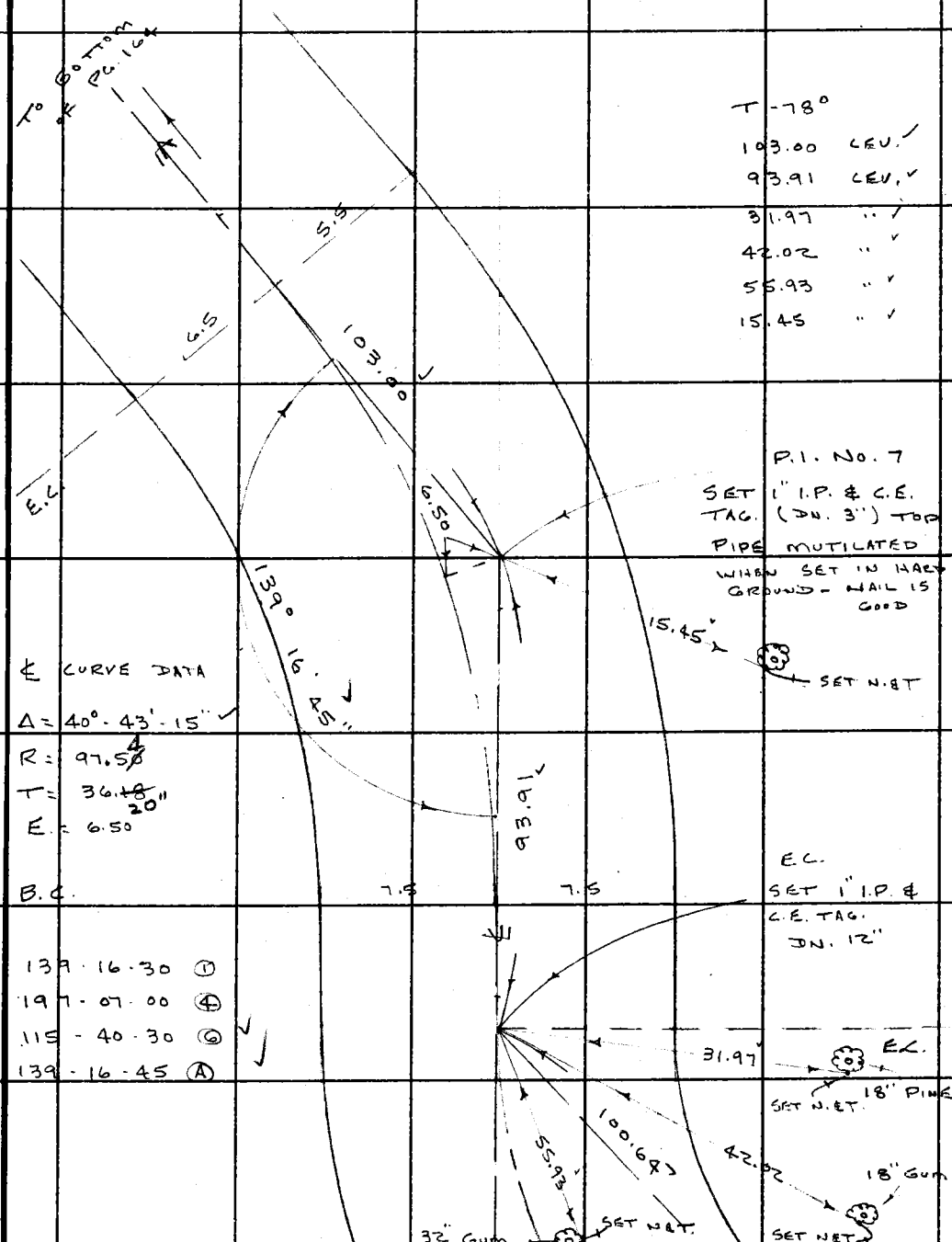
TO TOP OF PG. 161

Notes Ck'd by B. E. AUSTIN	Survey of LUX ARBORETUM
Map No. CSB.2711	JN 0016.01 Tape 189 Std 84 °F
Office Work	Surveyed by J. P. MENNE
Checked	Notes J.P.M. Date 11-18 63
Date	Indexed C. J. GALLI

F. B. 2384 PG. 163



T - 78°
103.00 LEV.
93.91 LEV.
31.97 "
42.02 "
55.93 "
15.45 "

P.I. No. 7
SET 1" I.P. & C.E. TAG. (DN. 3") TOP PIPE MUTILATED WHEN SET IN HARD GROUND - NAIL IS GOOD

℄ CURVE DATA
Δ = 40° - 43' - 15"
R = 97.5~~0~~4
T = 36.~~18~~20"
E = 6.50

B.C.
139 - 16 - 30 ①
197 - 07 - 00 ④
115 - 40 - 30 ⑥
139 - 16 - 45 Ⓐ

E.C.
SET 1" I.P. & C.E. TAG. DN. 12"

TO TOP RT. OF PG. 162

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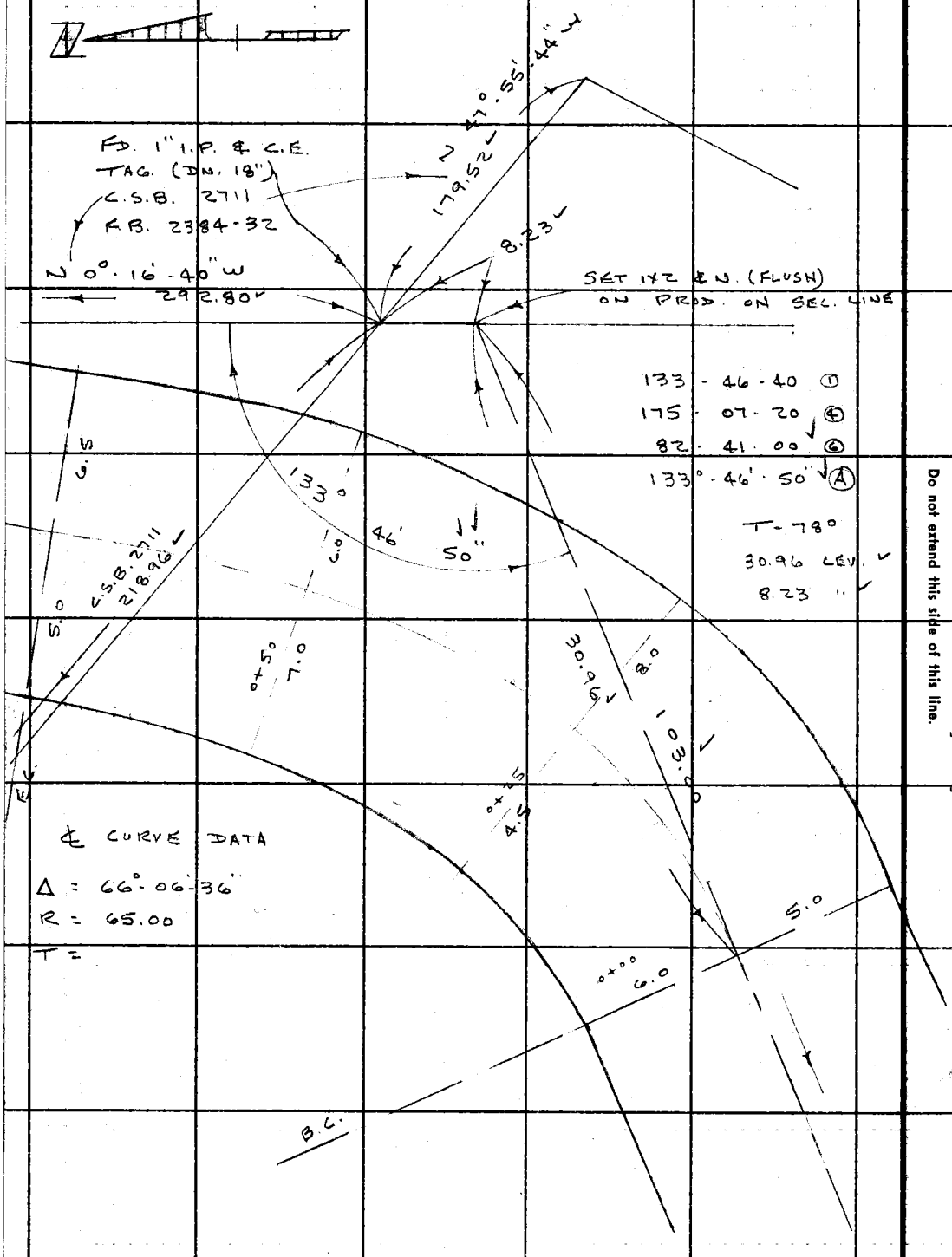
76F3095 CE # 310 3-61

F. B. 2384 PG. 164



TO TOP OF 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.

Profile No.	Notes Red	Plotted	Job No. 0016.01	Division No. 11	F.B. 2384	Pg. 165
	Date	Date	Survey of LUX ARBORETUM			
X-Sec. No.	Notes Chkd.	Checked	Survey by M. SOTRO	Notes SOTRO	Date 11-18-63	
	Date	Date	Map No.	Indexed C. J. GALLI	Date DEC 5 63	

LUX ARBORETUM

BENCH LEVELS
FOR
VERTICAL CONTROL
PLANE TABLE SHEET
H-62

RODS
USED 14' STADIA BOARDS

STATION	B.S.	H.I.	F.S.	ELEV.
		SOTRO BOWLES LATTERI MOODYMAN		

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
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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. (F.D.)	12 9	1282 5		1269 6	F.D. 1" I.P. OP 2" PHOTO CTL. PT. 170, 178 ELEV. 1269.6	8." F.B. 2249
T.P.			6 9	1275 6	1X1	
	13 5	1289 1				
T.P.			0 4	1288 7	1X1	
	12 6	1301 3				
T.P.			0 2	1301 1	1X1	
	8 4	1309 5				
T.P.			8 7	1300 8	1X1	
	8 9	1309 7				
T.P.			7 5	1302 2	1X1	
	2 8	1305 0				
T.P.			6 6	1298 4	1X1	
	2 6	1301 0				
T.P.			7 2	1293 8	1X1	
	1 4	1295 2				
T.P.			11 7	1283 5	1X1	
	0 2	1283 7				
T.P.			10 3	1273 4	1X1	
	0 6	1274 0				
T.P.			13 0	1261 0	1X1	
	0 1	1261 1				

F. B. 2384 PG. 166 Job No. 2016.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of LUX ARBORETUM Date ____ Date ____ No. ____
Survey by M. SOTRO Notes SOTRO Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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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.

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1261 1				
T.P.			13 0	1248 1	1X1	
	0 2	1248 3				
T.P.			13 9	1234 4	1X1	
	0 2	1234 6				
T.P.			12 8	1221 8	1X1	
	0 4	1222 2				
T.P.			7 5	1214 7	1X1	1
	0 5	1215 2				
T.P.			9 3	1205 9	1X1	2
	0 3	1206 2				
T.P.			12 1	1194 1	1X1	3
	0 2	1194 3				
T.P			10 5	1183 8	1X1	4
	0 4	1184 2				
T.P.			8 6	1175 6	1X1	5
	0 2	1175 8				
T.P.			11 4	1164 4	1X1	6
	0 5	1164 9				
T.P.			12 0	1152 9	1X1	7
	0 9	1153 8				

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0016.01 Division No. 11 F.B. 2284 Pg. 167
X-Sec. No. ____ Date ____ Date ____ Survey of LUX ARBORETUM
Notes Chkd. ____ Checked ____ Survey by M. SOTRO Notes SOTRO Date 11-18-63
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

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403 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.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.		1153 8	7 0	1146 8	1x1 (8)	
	5 4	1152 2				
T.P.			10 4	1141 8	(9) FD 3/4" I.P. & C.E. TAG. UP 1", F.B. 2384-23.	
	2 5	1144 3				
T.P.			12 5	1131 8	FD. 1"x2" & NAIL, (10) 7.89 E. of 1" I.P. (ABOVE)	
	12 3	1144 1				
T.P.			1 5	1142 6	FD. 2" I.P.	
	6 5	1149 1				
T.P.			0 7	1148 4	1x1 (11)	
	12 3	1160 7				
T.P.			0 3	1160 4	1x1 (12)	
	5 0	1165 4				
T.P.			0 8	1164 6	1x1 (13)	
	10 6	1175 2				
T.P.			0 8	1174 4	1x1 (14)	
	11 0	1185 4				
T.P.			1 8	1183 6	1x1	
	13 5	1197 1				
T.P.			0 8	1196 3	1x1 (15)	
	1 4	1197 7				
T.P.			0 1	1197 6	1x1	

F.B. 2384 PG. 168 Job No. 80/6.01 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of LUX ARBORETUM Date ____ Date ____ No. ____
Survey by M. SOTRO Notes SOTRO Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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403 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.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	12 0	1209 6		1197 6	1X1 CONTINUED	
T.P.			0 3	1209 3	1X1	
	10 7	1220 0				
T.P.			0 1	1219 9	1X1	
	12 7	1232 6				
T.P.			0 2	1232 4	1X1	
	13 6	1246 0				
T.P.			0 6	1245 4	FD. 1X2 FLUSH	
	12 5	1257 9				
T.P.			0 1	1257 8	1X1	
	13 5	1271 3				
T.P.			0 2	1271 1	1X1	
	12 6	1283 7				
T.P.			0 3	1283 4	1X1	
	11 6	1295 0				
T.P.			1 3	1293 7	1X1	
	9 9	1303 6				
T.P.			3 6	1300 0	1X1	
	3 5	1303 5				
T.P.			12 9	1290 6	1X1	
	0 1	1290 7				

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2016.01 Division No. 11 F.B. 2384 Pg. 169
Date ____ Date ____ Survey of LUX ARBORETUM
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by M SOTRO Notes SOTRO Date 11-21-63
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2384 Pg. 170 Job No. 0916.01 Division No. Notes Red Plotted Profile

Survey of LUX ARBORETUM Date Date

Survey by M. SOTRO Notes SOTRO Notes Chkd. Checked

Indexed C. J. GALM Date Date Date

B.M. Pt. "B" 3 8 1282.7

13 2 1269.5 FD. 1" I.P. UP 2" PHOTO CH. B"

F.B. 2249-170, 178 ELEV. 1269.6