Notes Ck'd by
Map No.
Office Work

Survey of
IN Tape Std °F
Surveyed by
Notes Date
Indexed

F.B. 2249 Pg.

	Job	Description
		LUX ARBORETUM - 0054.00
	Bdry.	Survey in Sec. 14, T1N R11W.
	Align.	Of Clam-shell Fire Truck Trail.
	Topog.	Stadia topog. in Clamshell Canyon.
	Bdry.	Survey in Sec. 14, T1N R14W.
	Sec. Line	Triang. & Calc. of Lines 14/13; 11/12; 2/1 - T1N R11W.
	Loc.	Loc. ridge near sta. E-19.
	Geod. Ties	Cadastral tie to Sierra Madre K-4 and Sierra Madre K-4A.
	Sec. Line	T1N R11W, Sec. 14.
	B.M.	Vertical B.M.'s
	Elev.	Of photogrammetric control points.
	Sec. Line	T1N R11W Sec. 14-Loc. N. & S. line thru center of Sec.
	Topog.	Level lines and "P" line for photogrammetric check of aerial topog.
	Bdry.	Rerun boundary along Lower Clamshell Boundary line.

Microfilmed May '86

Notes Ck'd by Miller	Survey of Lux Arboretum	F. B. 2249	Pg. 5
Map No.	JN 0054.00 Topo. Std. °F		
Office Work	Surveyed by		
Checked	Notes Date		
Date	Indexed A. C. Johnson 12-10-56		

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 [illegible] of this line.

LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

LUX ARBORETUM

JN 0054.00

0016.01

Mitchell & Party Nov. & Dec., 1956

F. B. 2749 Pg. 6

INDEX

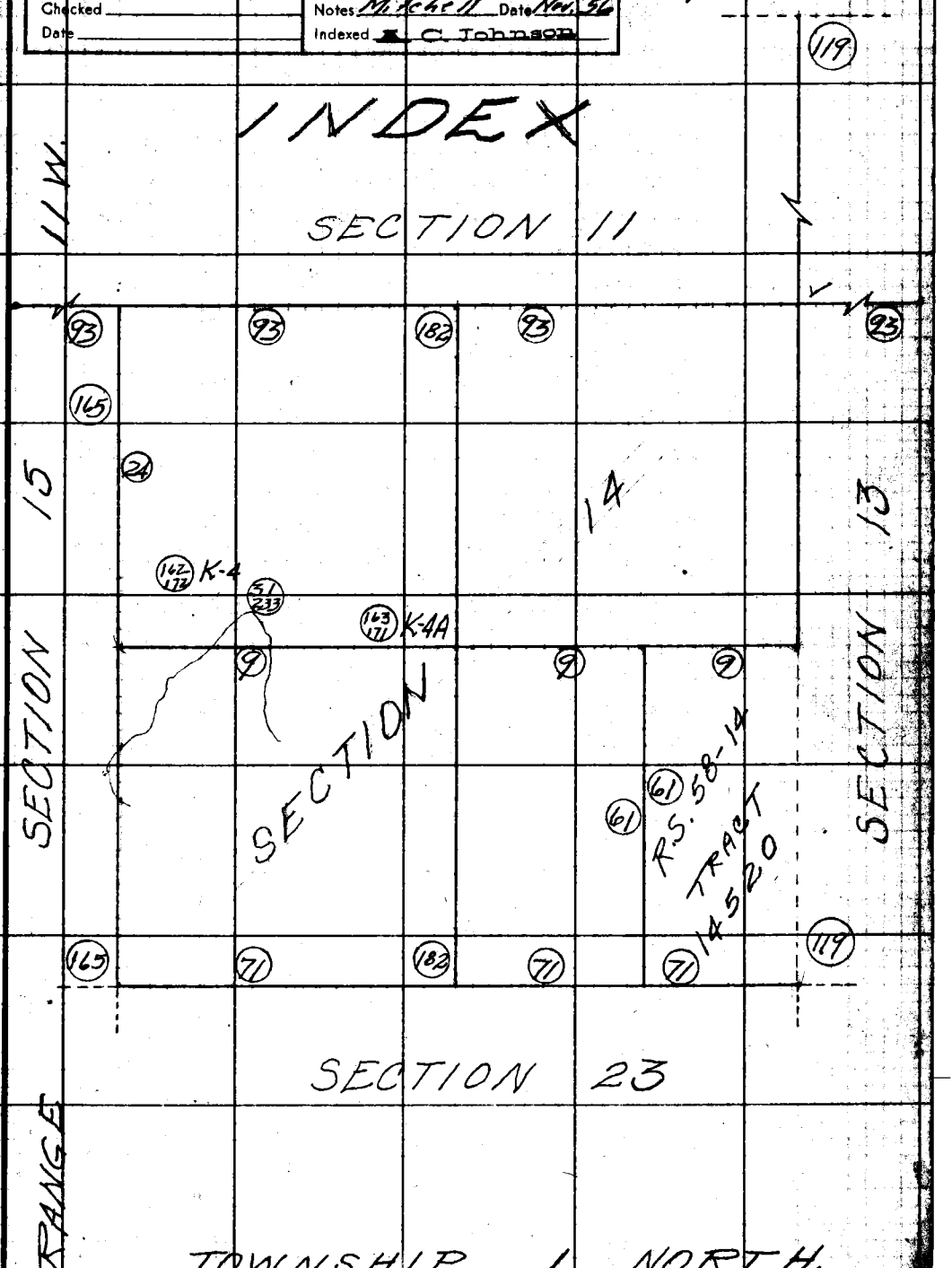
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

Do not extend this side of this line.

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

Notes Ck'd by Miller	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date Nov. '56
Date	Indexed C. Johnson

F. B. 2249 Pg. 7



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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

78F309S S&E $247 1-56

F. B. 1149 Pg. 8

SUBJECT INDEX

PAGE	TOPIC
9	NORTH LINE - S ½ SEC. 14
	incl. N LINE RS 58-14
24	WEST LINE - N½ SEC - 14
31	LOWER CLAMSHELL TRK. TR.
37	LOWER CLAMSHELL CN - TOPOG.
61	WEST LINE - PAR-1 RS 58-14
	= E LINE W 3/4 OF S ½ OF
	SEC 14
71	SOUTH LINE - SEC 14
93	NORTH LINE - SEC 14
119	EAST LINE - SEC 14 (N ½)
161	CADASTRAL TIE
165	WEST LINE SEC 14
	(SEE FB 473 - 187 & 192)
167	AERIAL PHOTO CONTROL - HORIZ.
177	" " " - VERT.
181	W. LINE ~ E ½ SEC 14
199	VERT CONTROL ~ SEC 14
205	W. LINE ~ E ½ SEC 14 - CORRECTED

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

Do not extend this side of this line.

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

Notes Ck'd by Miller	Survey of Lux Arboretum	F. B. 2249 Pg. 9
Map No.	JN 0054.00 Tape 122 Std 84 °F	
Office Work	Surveyed by Mitchell	
Checked	Notes Mitchell Date Nov 56	
Date	Indexed C. Johnson	

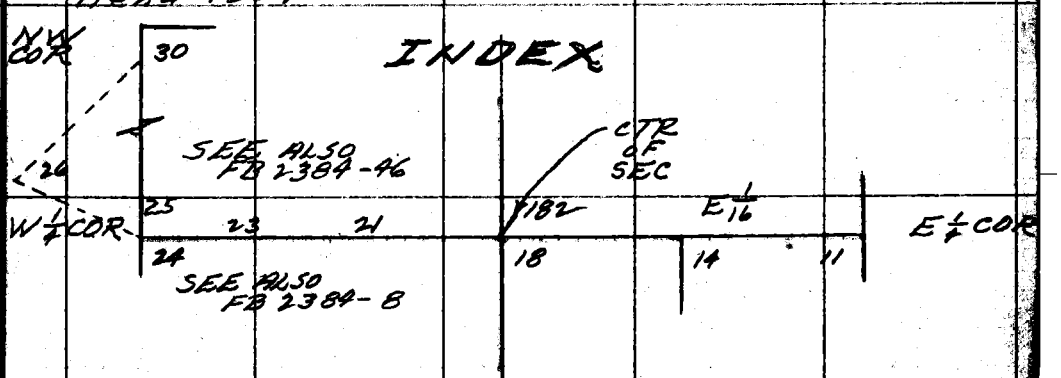
SURVEY OF
THE
NORTH LINE
OF THE
SOUTH HALF
OF
SECTION 14
T1N R11W

(LUX ARBORETUM - JN 0054.00)

Mitchell
Smiley
Hew
Goss
Henderson

November 1956

INDEX



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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTES
EAST 1/4 CORNER. SECTION 14
TWP. 1 N - RN. 11 W.

1. An inspection of the area in the vicinity of the 1/4 corner shown on page 11 fails to indicate topography such as called for by W.P. Reynolds (Deputy U.S. Surveyor) in C.S. 9250-2 (dtd. May 31st 1873) at Sta. 38.00 & 42.00 - Land North of 1/4 Corner is open stream (some brush & timber) for 10 chains.
2. I find no other trees in the immediate (100 ft±) vicinity of the corner found that will satisfy the distances shown in FC 194-163 although some land to N.E. has been cleared.
3. Suggest that a thorough search of Flood Control survey notes be made to determine the manner in which the present 1/4 Corner was set ~ See also F.C. 1221-286

NOTES

1. The W 1/4 Corner of the Section was set by Dep. U.S. Surveyor Reynolds - CS (1873). In 1926 the County Surveyor determined the original corner to be lost & reestablished same by line & proportionate distance. The monument set was moved by Mr. Lux (14 ft W) (per information by other local residents), found & reported displaced by W.A. Treadwell Jr. (a licensed Surveyor) and was reset in its present correct location by Dep. Co. Surv. Porter - F.B. 473 (1954)
2. The NW Cor of R S 58-14 (& Tr. 14520) as established by F.E.W. Imot (a Lisc. Surv.)

Cont'd on Pg 15

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

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

Survey of Arboretum F. B. 2449 Pg. 11
JN 0454 Tape NW Std. 84 °F
Surveyed by Mitchell
Notes C. P. M. Date 11-56
Indexed C. Johnson

W.S. 45-D3

13

SECTION

Fd 4" Bl. Stk with scribed "X" S. side of 30" Oak ~ Condition of Stk shows same to have been set within past 5 yrs. No evidence of dozer.

36.25

Falls in yard of house now occupied. Did not cut tree to search for Govt. Stk per F.C. 194-143 ~ No Ref to Stk found.

16.15 @ Ldr (T=62°) = 16.15'

SECTION

R/L of 16.15' at 12" in stream bottom.

bottom

N 26° 35' E 2665.9' @ 28° 35 (T=62°)
N 26° 35' E 2666.54' @ 28° 49 (T=60°)
= 233.50'
Avg = 233.50'

ASCENDING

Contd on page 12

RANDOM 16.15' TO CENTER LINE OF SEC.

4.00

R.5.58-14

NORTH LINE OF FR. N 5280

E COR SEC 14
Fd 2" IP cont. w/ 3/4" IP set in conc. Ch. Pt. by ties to Pkg. Nail & Shiner in 12" Oak, 0.6' E. & 0.4' N. of Cor. No Ref. Mon. Evidence ~ Assuming this to be the E. Cor. Sec 14 T1N R11W (Inter.) the (N 5280 ~ Occupation of land to E. over fence line running E. from this point. Then going W ~ 0+00 going W ~

14

Fd 4" Bl. Stk with W.S. 45-D3 on W. side of 24" Oak on E. side of stream bottom. ~ No Ref. Made search thru Stk to solid wood on S. side of tree. ~ Tree broken over thru Fd Nothing. Tree growth indicates

T 1 N
R 11 W

canyon

~ blaze found here has been opened or reopened within past 5 or 10 yrs. ~ NW side of tree is broken out ~ Scars have been 30 yrs. or more. Note that F.C. 194-143 shows tree to be on N. side of sec. line run there is no tree.

1°04' E 0.32 = 24

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 this side of this line.

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

7M2008 SRE 12-47 1-58

F.B. M49 PG. 17

cont'd from page 11

R/L 2
27+49.65'
Fd 1x2 EN in
R side of driveway
leading to future
building site ~ No
Ref.

ASCENDING

R/L 3
27+71.90'
Fd 1x2 EN on W side
of driveway
No Ref.

SEC 14

T 1 N R 11 W

CROSS BLDG
SITE

R/L 4
27+94.25
Fd 1x2 EN
on flat of
building site

TR LL 4 48
27+95 TR LINE
Set 1" IP
cem pl. & Br.
up 2" by
calc.

calc & set
5.64

Normal Crest of Ridge

CROSS BLDG
SITE

Former
Water Tnk
Site

R/L 5
28+07.58'
Fd 1x2 EN
on crest
of spur

Swale

DESCENDING

233.50

0.17

22.35

0.17

0.16

15ft

35ft

213.33

75ft

0.12

67.18

RANDOM LINE

CENTER - OF - SECTION LINE

RS 58-14 & TR 14520

NORTH LINE

11/56
RJM

22.35 @ Lcr (T=70°) = 22.35
22.80 @ 37 (T=66°) = 22.35
23.22 @ = 22.35
= 22.35
Av

213.44 @ (T=70°) = 213.33
213.45 @ = 213.33
= 213.33
= 213.33
= 213.33

68.11 @ 29 (T=70°) = 67.18
67.93 @ 29 = 67.18
Avg = 67.18

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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

Notes Ck'd by Miller	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 12V Std. 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes R.J.M. Date 11-56
Date	Indexed C. Johnson

F. B. 2249 Pg. 13

Contd from page 12

SEC 14

T1N R11W

R/L 6 1
5+74.76
Set 1x2 & n

6+24.80
Fd 2" IP cem pl.
Tg & Tk Mkd
"LA Co. F.C.
Dist" ~ No Ref
~ Witness pipe
5 ft West is
Mkd "5 Ft 70
MON"

DESCENDING

Bottom of Draw

ASCENDING
SHARPLY

R/L 7
8+33.90
Set 1x2 & n

ASCENDING

R/L 8
9+67.27
Set 1x2 & n.

ASCENDING

67.18

50.04

11.56 calc.

5.74 calc.

120

0.10

259.14

133.37

13.60

JRANDOM LINE

CENTER-OF-SECTION LINE

6+24.72
Ctr. of Sec. Ln.

NORTH LINE RS 58-14 & TR 14520

Tr/L
6+24.69 calc.

(1) 261.24 @ 7°12' (T=70°) = 259.14
(2) 261.40 @ 7°29' " = 259.15
Avg = 259.14

(1) 55.73 @ 26°07' (T=70°) = 50.04
(2) 55.06 @ 24°38' " = 50.04
Avg = 50.04

13.60 @ Lcr (T=66) = 13.60V

(1) 148.84 @ 25°51' (T=66°) = 133.37
(2) 147.64 @ 25°23' " = 133.37
Avg = 133.37

5+74.76
50.04

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 6+24.80
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 S&E #247 1-56

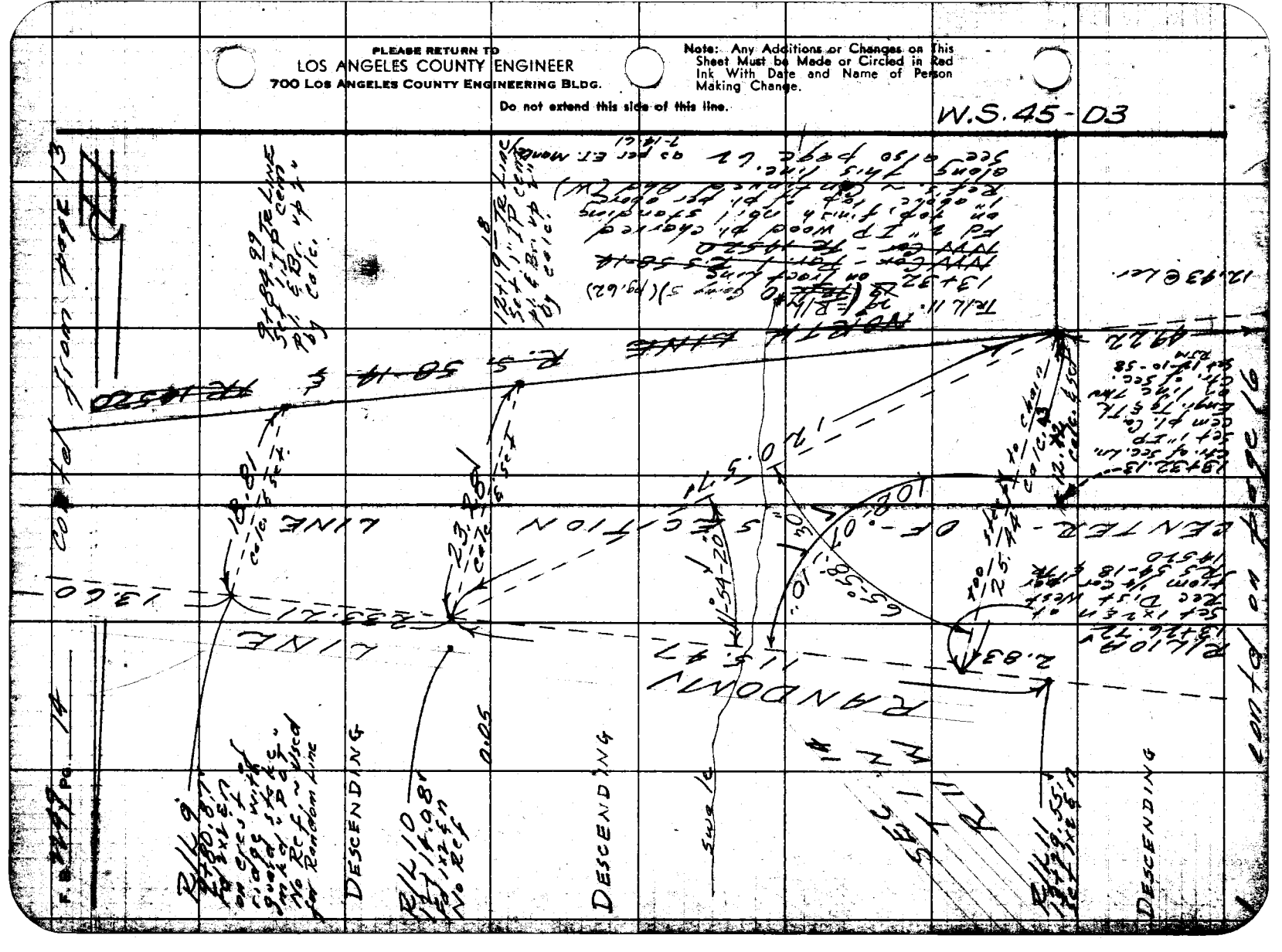
Contd on page 14

PLEASE 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 this side of this line.

W.S. 45-03



Notes Ck'd by Miller	Survey of Lux Arboretum F. B 2249 Pg. 15
Map No.	JN 005400 Tape 122 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes R. J. M. Date 11-56
Date	Indexed C. Johnson

CHAINING & ANGLES ~ PG 14

From R/L 9	to R/L 10	1) 233.90 @ 4°19 (T=66°)	= 233.21
		2) 234.02 @ 4°40 "	= 233.22
		Avg	= 233.21
R/L 10	to R/L 11	1) 118.64 @ 13°15 (T=68°)	= 115.47
		2) 118.03 @ 11°55 "	= 115.48
		Avg	= 115.47
R/L 10	to 2" IP	1) 127.94 @ 19°31 (T=74°)	= 120.58
		2) 128.34 @ 20°02 "	= 120.56
		Avg	= 120.57
2" IP	to Tr/L 12	1) 49.23 @ 0°00 (T=74°)	= 49.23
		2) 49.26 @ 2°06 "	= 49.22
		Avg	= 49.22
R/L ~~10~~ 9	to Tr/L ~~10~~ 9	1) 18.81 @ 0°00 (T=74°)	= 18.81
R/L 10	to Tr/L 10	1) 27.45 @ 41°09 (T=78°)	= 20.67
		2) 26.30 @ 38°16 "	= 20.65
		Avg	= 20.66
		Ahd	= 2.63
		Total	= 23.28

1) 65 58 30	1) 102-07-00	1) 168-05-20
4) 263 54 00	4) 48-29-00	4) 312-22-30
6) 35 51 00	6) 252-43-20	6) 288-33-40
65 58 30	Av) 102-07-13 1/3	Av) 168-05-36 2/3
	Adj. 102-07-10	Adj. 168-05-40
		Supp. 11-54-20

NOTES
(Contd from pg 10)

2. (Contd.) falls 12.42 ft South of a straight line connecting opposite 1/4 corners of the section.

Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
76F3098 S&E #247 1-56

contd from page 14

PG. 16

1) 147.53 @ 15°23' (F72°) = 142.2?
2) 147.13 @ 15°08' = 142.0?
Av. = 142.0?

1) 286.73 @ 22°28' (F80°) = 265.05
2) 287.18 @ 22°39' " = 265.0?
Av. = 265.03

DESCENDING

Tr/L 12
13+81.51
Set 1x2 Stn on Spur

SEC 14 - T1N R11W

142.01

Tr/L 13
15+23.52
Set 1x2 Stn

DESCENDING

Trk. Trail

CENTER - OF - SECTION - LINE

TRACT LINE PROD FROM EAST : TRANSIT LINE

265.03

Lower Clamshell

DESCENDING

Tr/L 14
17+88.75
Set 1x2 Stn

120±

1) 267.? (F72°) = 267.2?
2) 267.? = 267.2?
Av. = 267.25

1) 10?.98 @ 27°25' (F68°) = 92.3?
2) 10?.58 @ 28°02' " = 92.30
Av. = 92.31

ASCENDING

267.25

Tr/L 15
20+55.?0
Set 1x2 Stn
(Ch. pt. only)

ASCENDING
ALONG SIDE SLOPE

canyon

92.31

contd on page 17

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

Notes Ck'd by Miller	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 1W Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date Nov 56
Date	Indexed A. C. Johnson

F. B. 2249 PG. 17

contd from page 16

1) 184.54 @ 18°54 (T=82°) = 174.59
2) 185.05 @ 19°22 " = 174.58
Avg = 174.58

92.31

Tr 1L 16
21+48.[illegible]
set 1x2 [illegible]
(ch. pt only)

ASCENDING ALONG SIDE SLOPE

SEC 14
T1N
R11W

CENTER-OF-SECTION LINE

TRANSIT LINE

174.58

Tr 1L 17.69
23+22.[illegible]
set 1x2 [illegible] on spur — ch. pt. only

1) 187.76 @ 0°55 (T=86°) = 187.74
2) 187.80 @ 1°32 " = 187.73
Avg = 187.73

ASCENDING

Draw

187.73

contd on page 18

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 line of this line.

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

76F309S S&E #247 1-56

PLEASE 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.

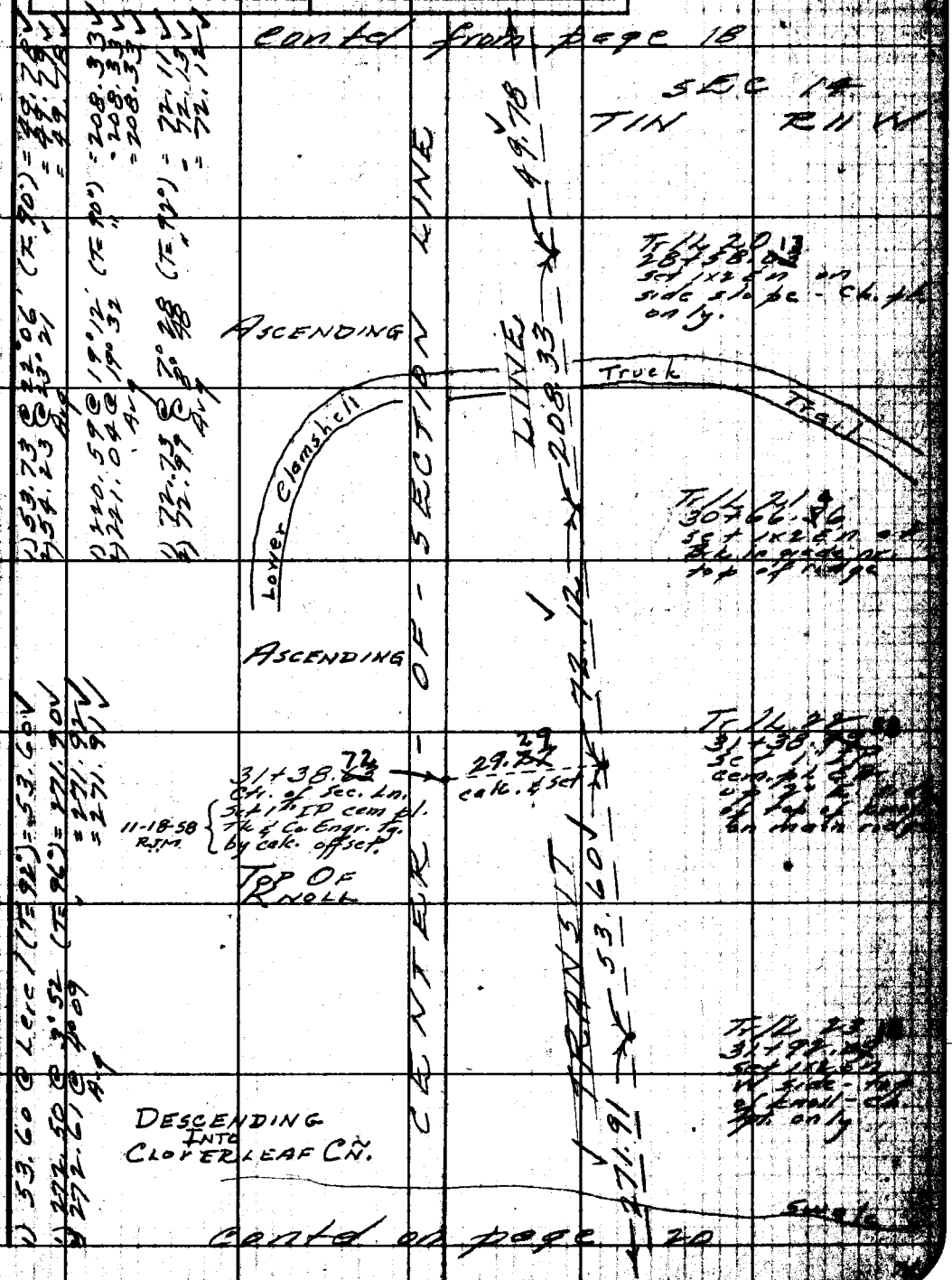
Do not extend this side of this line.

W.S. 45-D3

Notes Ck'd by Miller	Survey of Lux Arboretum
Map No.	JN 0059.00 Tape 122 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date Nov. 56
Date	Indexed R. C. Johnson

contd from page 18

SEC 14
T1N R11W



1) 53.73 @ 22°06' (T=90°) = 49.78
2) 54.23 @ 23°21 " = 49.78
Avg = 49.78

1) 220.59 @ 19°12' (T=90°) = 208.33
2) 221.04 @ 19°32 " = 208.33
Avg = 208.33

1) 72.73 @ 7°28 (T=92°) = 72.11
2) 72.99 @ 8°48 " = 72.13
Avg = 72.12

1) 53.60 @ Level (T=92°) = 53.60
1) 272.50 @ 3°52 (T=96°) = 271.90
2) 272.61 @ 4°09 " = 271.92
Avg = 271.91

contd on page 20

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

F.B. 1249 Pg. 20

Contd from page 19

11/56 RJM

SEC 14
T1N R11W

CENTER-OF-SEC LINE

TRANSIT LINE

271.91

34+64 24
Ch. of Sec. Ln.
Set 1" IP cem.
pl. Co. Engr. Tg
Etk on line
thru C. of Sec.
(Set 11-18-58 RJM)

32.33 calc. & set

Tr/L 24 09
34+64
Set 1" IP cem
pl. & Br. up 2"

DESCENDING
ALONG SIDE SLOPE

Tr/L 25
35+09.83
Set 1x2 En
Ch. pt. only

DESCENDING

Draw

Small Ridge

Draw

Tr/L 26 28
37+95.
Set 1x2 En
Ch. pt. only

Draw

Tr/L 27
38+10 35
Set 1x2 En
Ch. pt. only

Draw

Small Ridge

DESCENDING

194.18

15.07

285.45

45.74

1) 47.38 @ 15°06 (T=99°) = 45.74
2) 47.72 @ 16°34 " = 45.74
Avg = 45.74

1) 300.56 @ 18°18 (T=96°) = 285.36
2) 300.02 @ 17°51 " = 285.44
3) 300.44 @ 18°11 " = 285.46
Avg = 285.45

1) 15.07 @ Lcr (T=60°) = 15.07
2) 200.73 @ 14°39 (T=60°) = 194.17
3) 200.31 @ 14°10 " = 194.18
Avg = 194.18

32.33 @ Lcr (T=74°) = 32.33

Contd on page 21

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

Do not extend this side of this line.

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

Notes Ck'd by Miller	Survey of Lux Arboretum F B2249 Pg. 21
Map No.	JN0054.00 Tape 1 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes R.J.M. Date 11-56
Date	Indexed C. Johnson

Contd from page 20

39+82.53 37.17 39.82.72

40+04.70 37.37

Tr/L 28
40+04.53
Set 1x2 Ch. pt. only

DESCENDING

Tr/L 29
41+11.30
Set 1x2 Ch. pt. only

DESCENDING

See Page 32 For Location of Rd

41+87.56
Ctr. of Sec. Ln.

39.08
calc. & m

Tr/L 29
41+87.
Set 1x2 Pl. & Br. in W. edge "Lower Clamshell Trail"

DESCENDING

CENTER - OF - SEC. LINE

TRANSIT LINE

194.18
106.77
76.08
239.21
163.13

Draw

1) 115.76 @ 22°43 (T=64°) = 106.77
2) 114.92 @ 21°42 " = 106.77
Avg

1) 258.20 @ 22°06 (T=66°) = 239.20
2) 257.60 @ 21°45 " = 239.23
Avg

D.ff = 163.13
76.08

1) 168.38 @ 14°17 (T=66°) = 163.15
2) 168.65 @ 14°41 " = 163.12
Avg = 163.13

Contd on page 22

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.

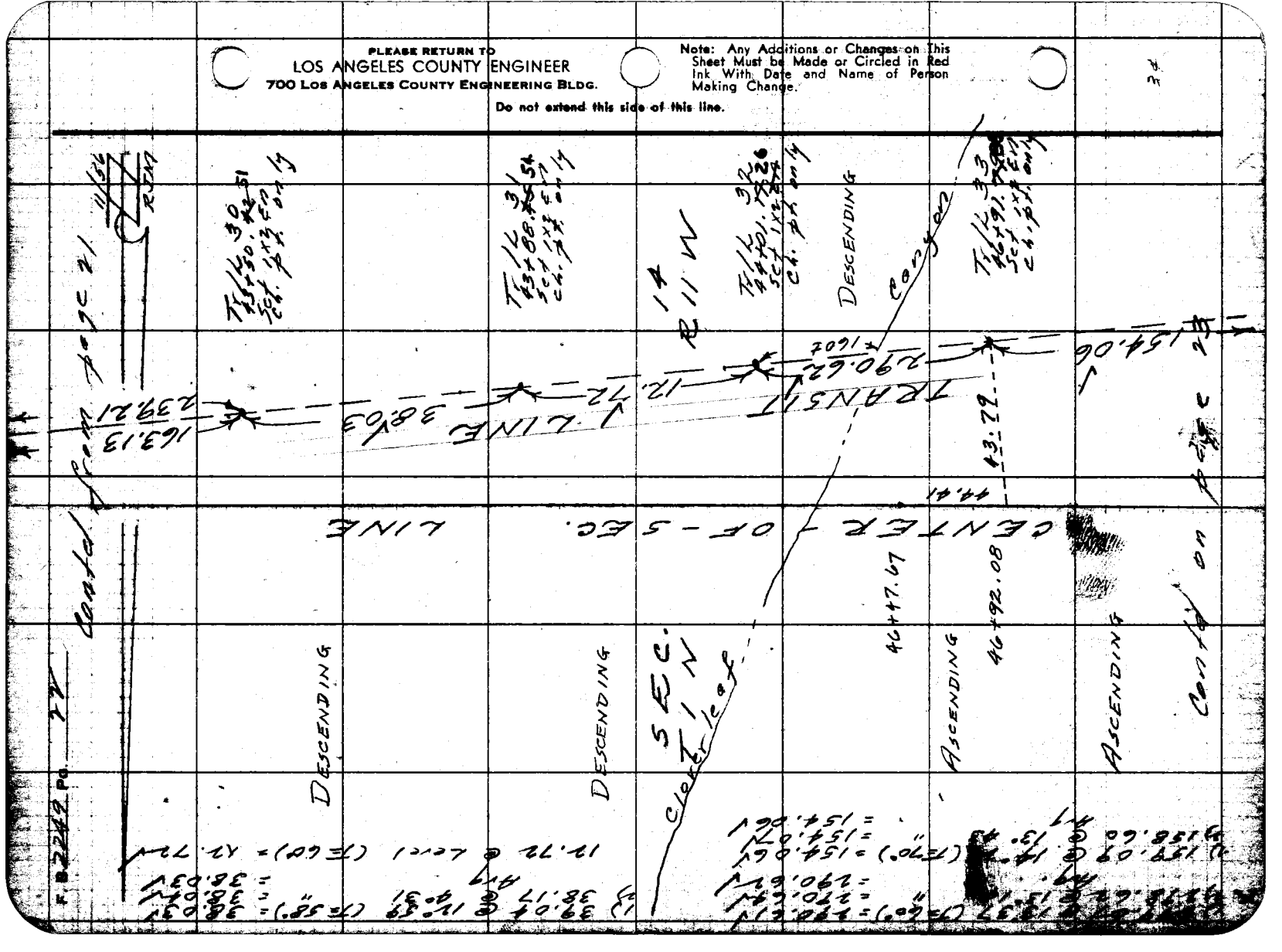
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

PLEASE 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 this side of this line.



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

Survey of Lux Arboretum F. B 2249 Pg. 23
JN 0054.00 Tape 122 Std 84 °F
Surveyed by Mitchell
Notes R.J.M. Date 11-56
Indexed A. C. Johnson

contd from page 22

CENTER-OF-SECTION LINE

TRANSIT LINE 37.71

154.06

+46.15
48+~~50.60~~
Ctr. of Sec Ln.

45.23
calc.

~~48+45.94~~
Tr/L 34
~~48+50.39~~
Set 1" IP, cem pl. & Br. in E edge "Lower Clamshell Trk. Trail

1) 40.53 @ 21°30 (T=70°) = 37.71
2) 41.10 @ 23 27 " = 37.71
Avg

ASCENDING
SECTION
14
T 1 N
R 11 W

See Page 37 For Location Of Rd.

~~48+83.65~~
Tr/L 35
~~48+88.10~~
Set 1x2 & n ch. pt. only

1) 63.72 @ 8°56 (T=70°) = 62.94
2) 64.11 @ 10°54 " = 62.94
Avg

1) 247.12 @ 3°41 (T=74°) = 246.60
2) 247.44 @ 4°32 " = 246.65
3) 247.29 @ 4°08 " = 246.63
Avg

ASCENDING

62.94

49+46.59
Tr/L 36
~~49+51.04~~
Set 1x2 & n ch. pt. only

46.16

49+46.80

33.44

ASCENDING
ACROSS CUL DE SAC
49+80.24

246.64

contd on page 24

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

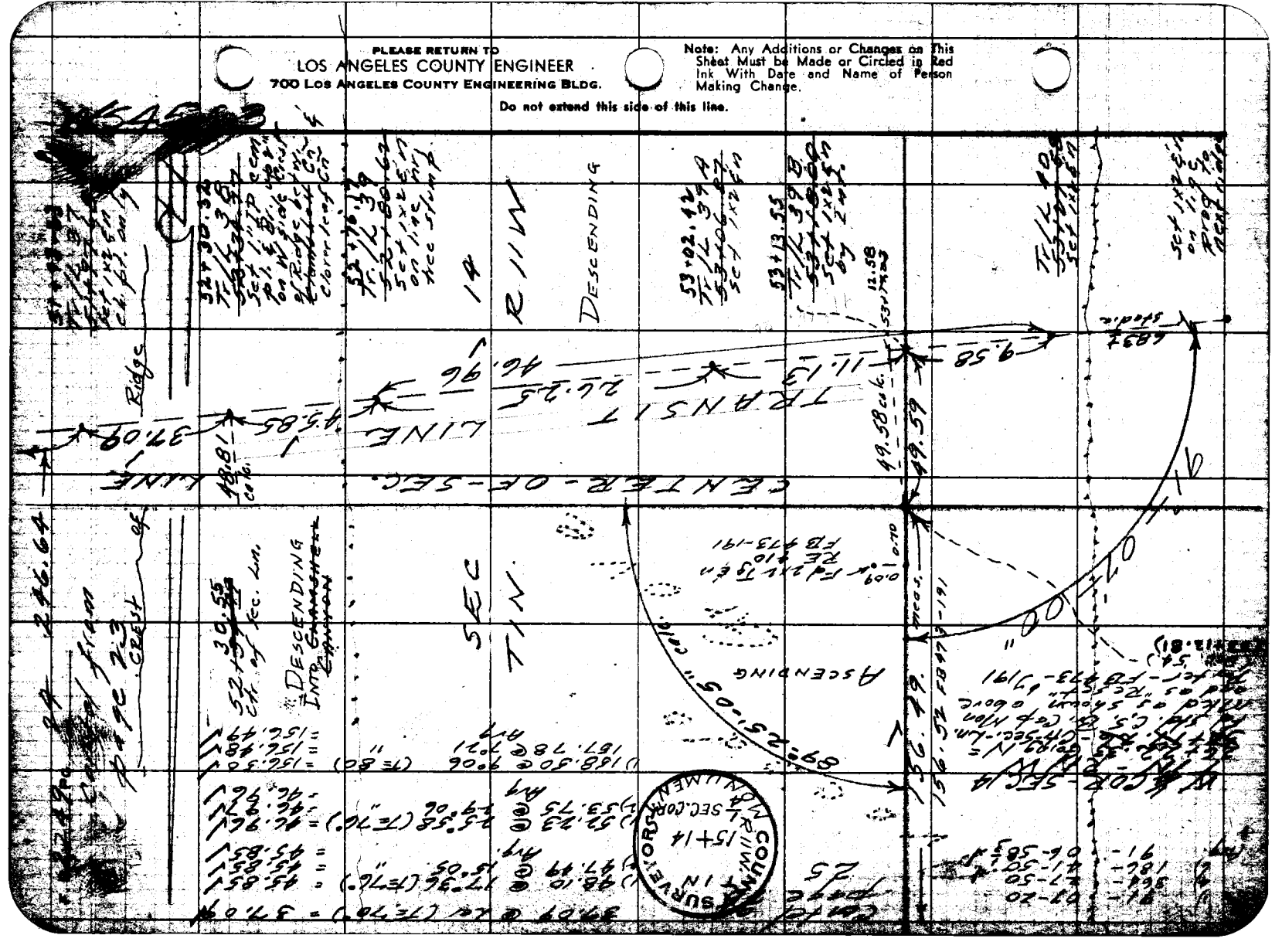
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3098 S&E #247 1-56

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

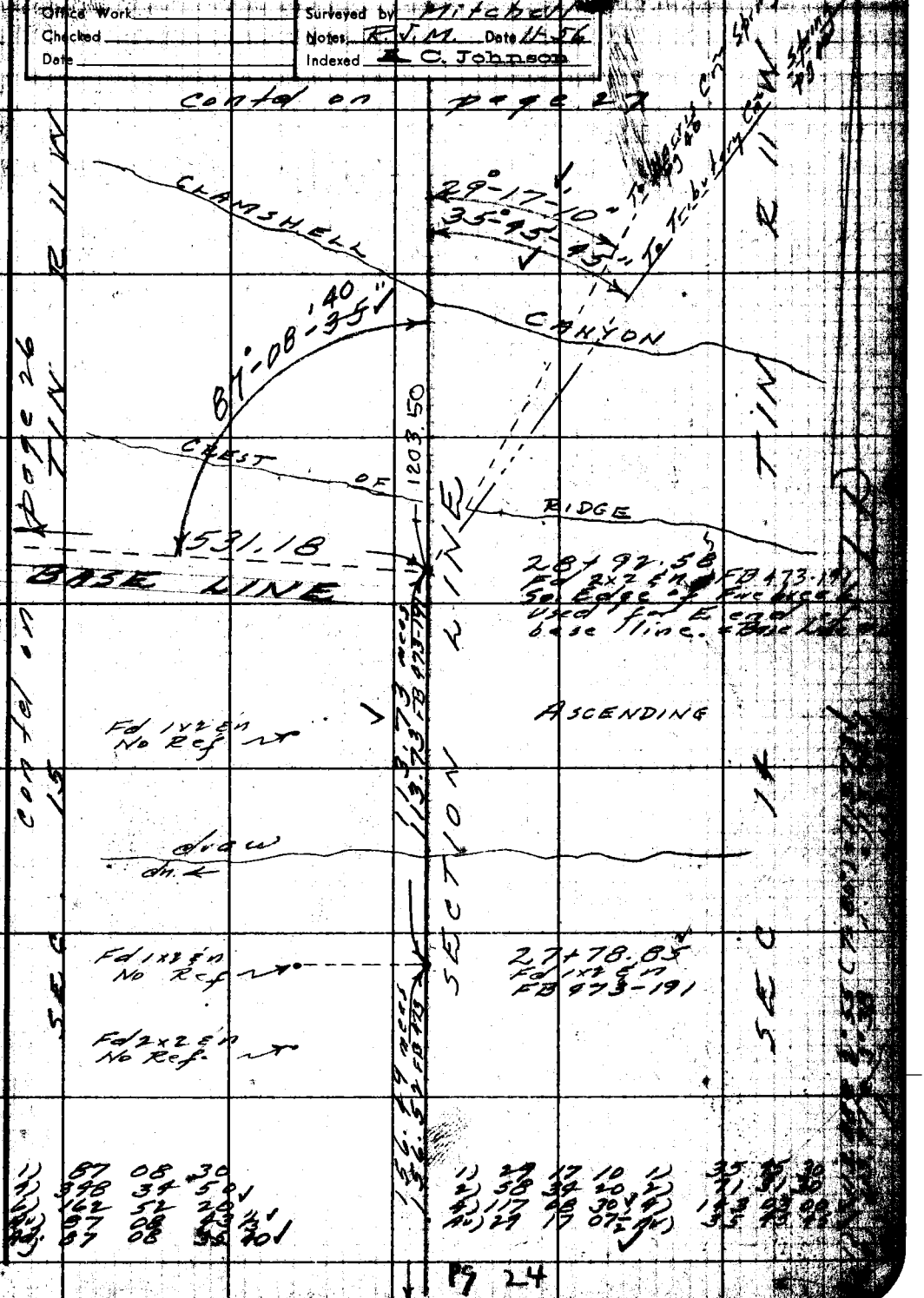
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.



Notes Ck'd by Miller	Survey of Lux Arboretum 2249 Pg.
Map No.	JN 0054.00 Tape 1W Std 84
Office Work	Surveyed by Mitchell
Checked	Notes R.J.M. Date 11-56
Date	Indexed C. Johnson

contd on page 27

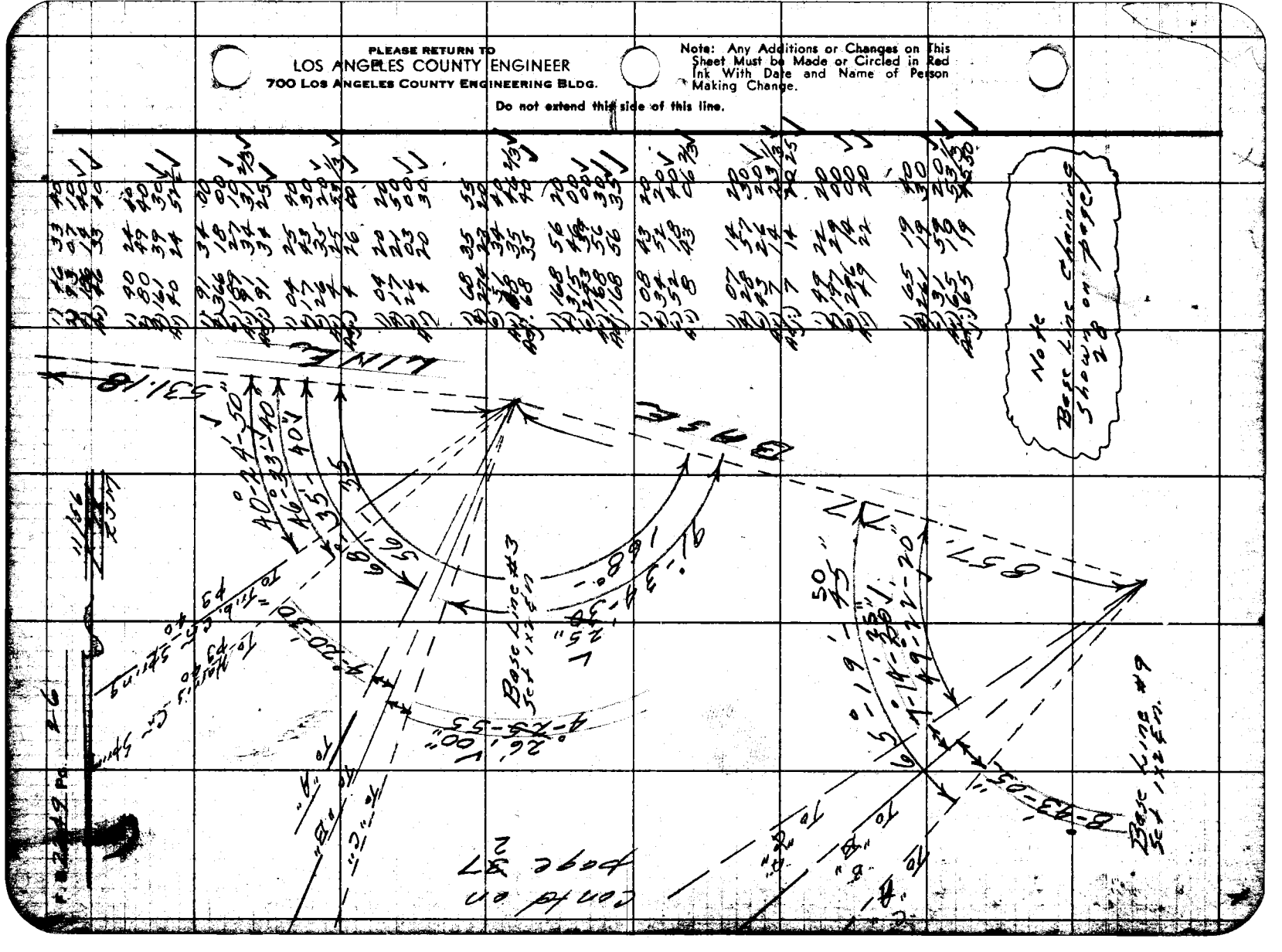


PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE 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 this side of this line.



Notes Ck'd by Miller	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date 11/56
Date	Indexed E. C. Johnson

F. B. 2249 Pg. 27

see Line

W.S. 45-C3

Contd on page 29 30

1) 19 55 00
4) 79 40 40
6) 119 31 20
Av) 19 55 13 1/3
Adj) 19 55 10

1) 27 22 50
4) 109 31 30
6) 164 17 40
Av) 27 22 56 2/3
Adj) 27 23 00

1) 47 17 40
4) 189 12 30
6) 283 49 10
Av) 47 18 11 2/3

1) 15 27 20
4) 61 56 20
6) 92 54 50
Av) 15 29 08 1/3

1) 23 05 30
4) 92 23 10
6) 138 34 20
Av) 23 05 43 1/3

1) 38 35 00
4) 154 19 40
6) 231 29 10
Av) 38 34 51 2/3
Adj) 38 34 55

48 + 33.~~89~~ 76
Sec. Ln. "C"
Fd 1x2 E'n - No Ref
Prob. set by Porter
Dec. 54 - FB 473
Apparent Crest from
1/4 Cor to South

LINE
191.77
calc. FB 473
192.96 meas

SEC 15

SEC 14

TIN R11W

450.81

82.88
43 + ~~85.08~~
Sec Ln. "B"
Set 1x2 E'n

COUNTY ENGINEER
R11W TIN
S15 S14
LINE
R. E. 5869

Replaced 1x2 with Sld. Cap Mon in conc. up 1" in bench cut in crest of spur & mkd. as shown. ~ set 10 ft. high signal over & set 2 1/2" I. Guard posts up 3 ft. [illegible]

23°-05'-45"
30°-16'-45"
15°-24'-10"
24°-15'-45"
54°-32'-30"
38°-34'-55"

287.00
286.83

27°-22'-55"
19°-55'-15"
47°-18'-10"

40 + 96.~~08~~ 05
Sec Ln "A"
Set 1x2 E'n

Contd from page 26
From Base Line #9

SECT 10

1203.50

1) 24 15 40
4) 97 02 40
6) 145 34 20
Av) 24 15 43 1/3
Adj) 24 15 40

1) 30 16 40
4) 121 07 20
6) 181 40 40
Av) 30 16 46

1) 54 32 20
4) 218 10 00
6) 327 15 00
Av) 54 32 30
Adj) 54 32 25

30°-16'-45"
54°-32'-30"
24°-15'-45"

Contd from page 26
From B.L. #3

Contd from page 25

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3098 S&E #247 1-56

F.B. 2119 Pg. 28

Base Line Chaining

See Pages 25 & 26

1) 273.52 @ 6° 40 (T=68°) = 271.65 ✓
2) 273.20 @ 6° 00 " = 271.68 ✓
Avg = 271.66 ✓

1) 115.44 @ 10° 41 (T=68°) = 113.43 ✓
2) 115.80 @ 11° 35 " = 113.43 ✓
Avg = 113.43 ✓

1) 146.94 @ 6° 05 (T=68°) = 146.09 ✓
2) 147.01 @ 6° 17 " = 146.10 ✓
Avg = 146.09 ✓

Total 531.18 ✓

1) 72.87 @ 10° 51 (T=72°) = 71.55 ✓
2) 72.69 @ 10° 03 " = 71.56 ✓
Avg = 71.55 ✓

1) 299.31 @ 11° 18 (T=72°) = 293.49 ✓
2) 299.09 @ 11 04 " = 293.50 ✓
Avg = 293.49 ✓

1) 39.20 @ 7° 52 (T=84°) = 38.83 ✓
2) 38.86 @ 2° 40 " = 38.82 ✓
Avg = 38.82 ✓

1) 40.44 @ Lev (T=84°) = 40.44 ✓
1) 278.32 @ 6° 58 (T=80°) = 276.25 ✓
2) 278.43 @ 7° 10 " = 276.24 ✓
Avg = 276.24 ✓

1) 137.38 @ 2° 38 " = 137.23 ✓
2) 137.47 @ 3° 16 " = 137.24 ✓
Avg = 137.23 ✓

Total = 857.77 ✓

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

Do not extend this side of this line.

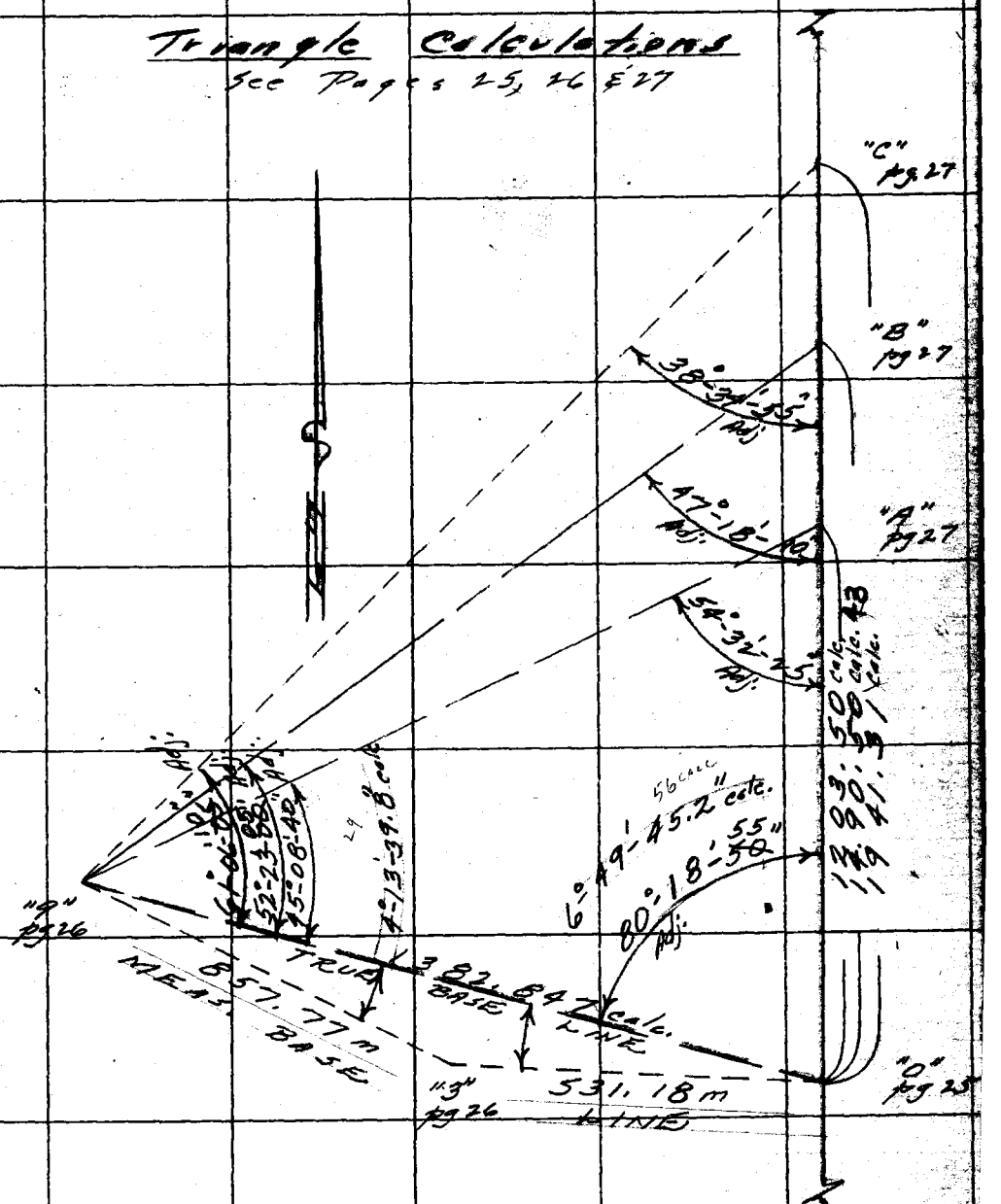
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	W. O. 0054.00 Tape No. 122 St'd. 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date Nov. '56
Date	Indexed C. Johnson

F. B. 2249 Pg. 29

Triangle Calculations

See Pages 25, 26 & 27



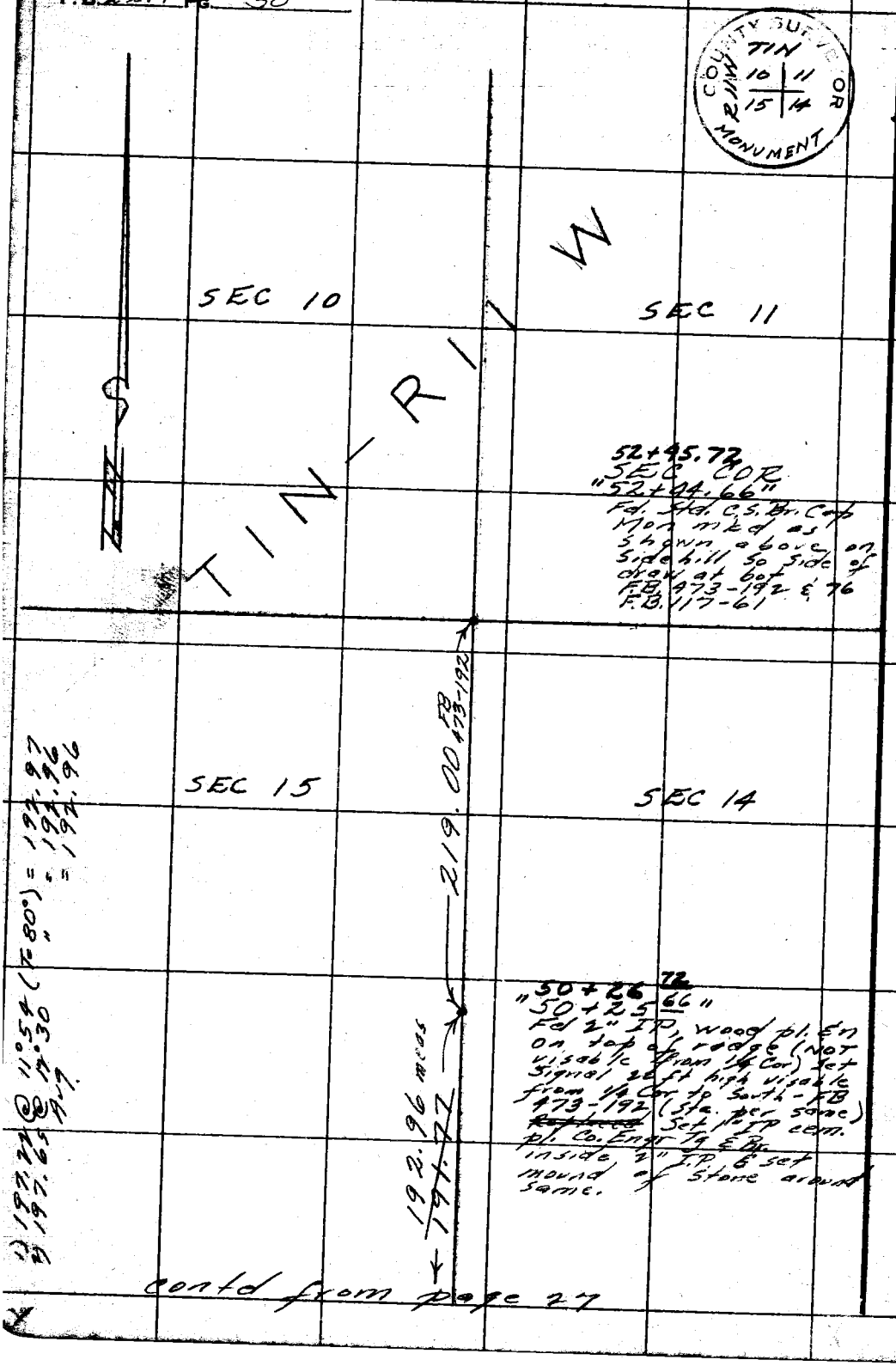
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

76F3006 S&E #247. 8-54

F.B. 2249 PG. 30



contd from page 27

WKS.45.C-2

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 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 Miller	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Date 11-56
Date	Indexed J. C. Johnson 12-10-56

F. B 2249 Pg. 31

Survey Showing
Location of Traveled Portion
of
LOWER CLAMSHELL TRUCK TRAIL
in vicinity of
LUX ARBORETUM
J.N. 0054.00

Mitchell, R.J.
Smiley, L.C.
Hew, C.Y.F.
Henderson, J.E.
Goss, C.R.

Nov. 1956

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

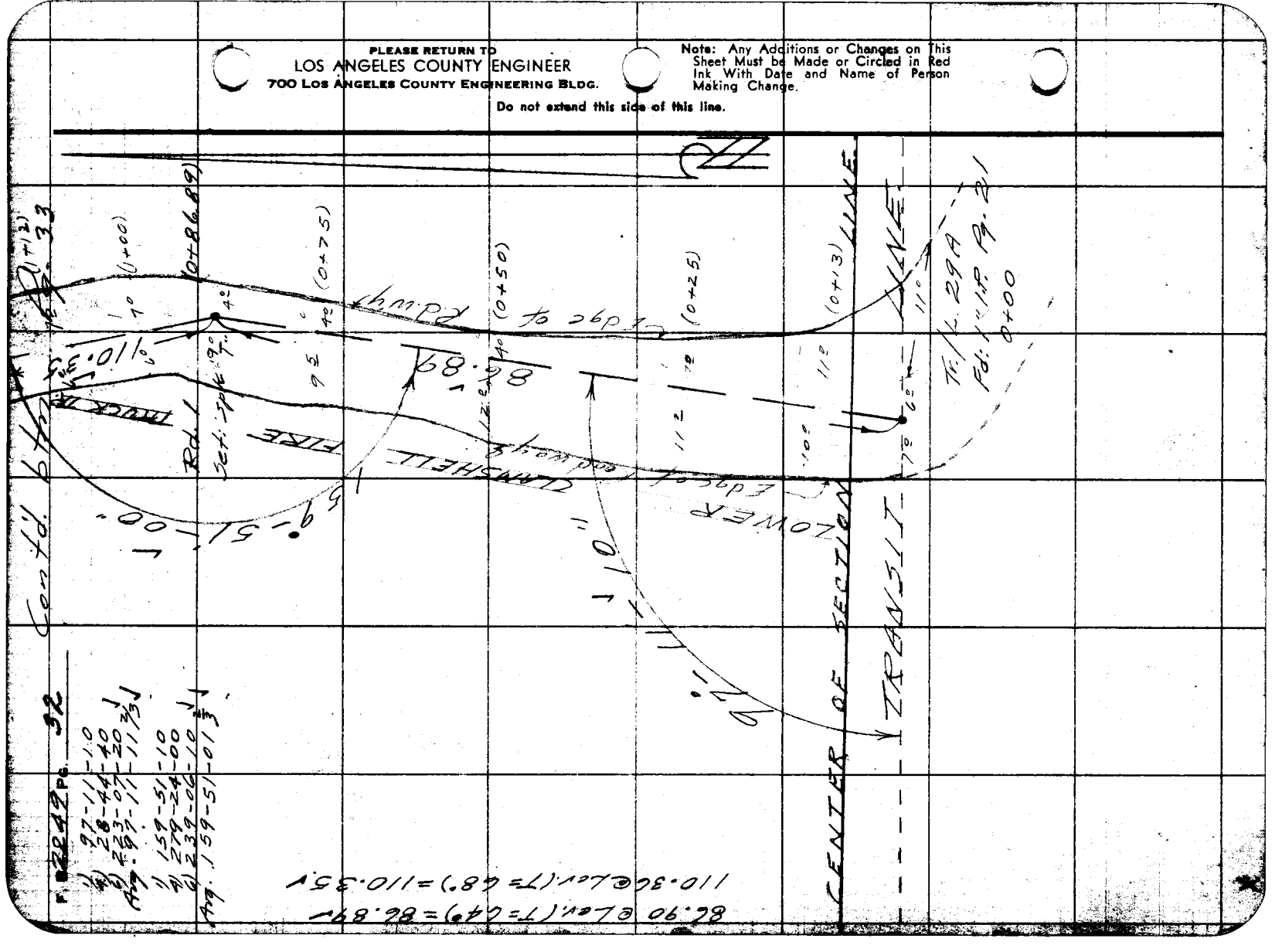
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F309S S&E #247 1-56

PLEASE 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 this side of this line.



Cont'd. btm. Pg. 34

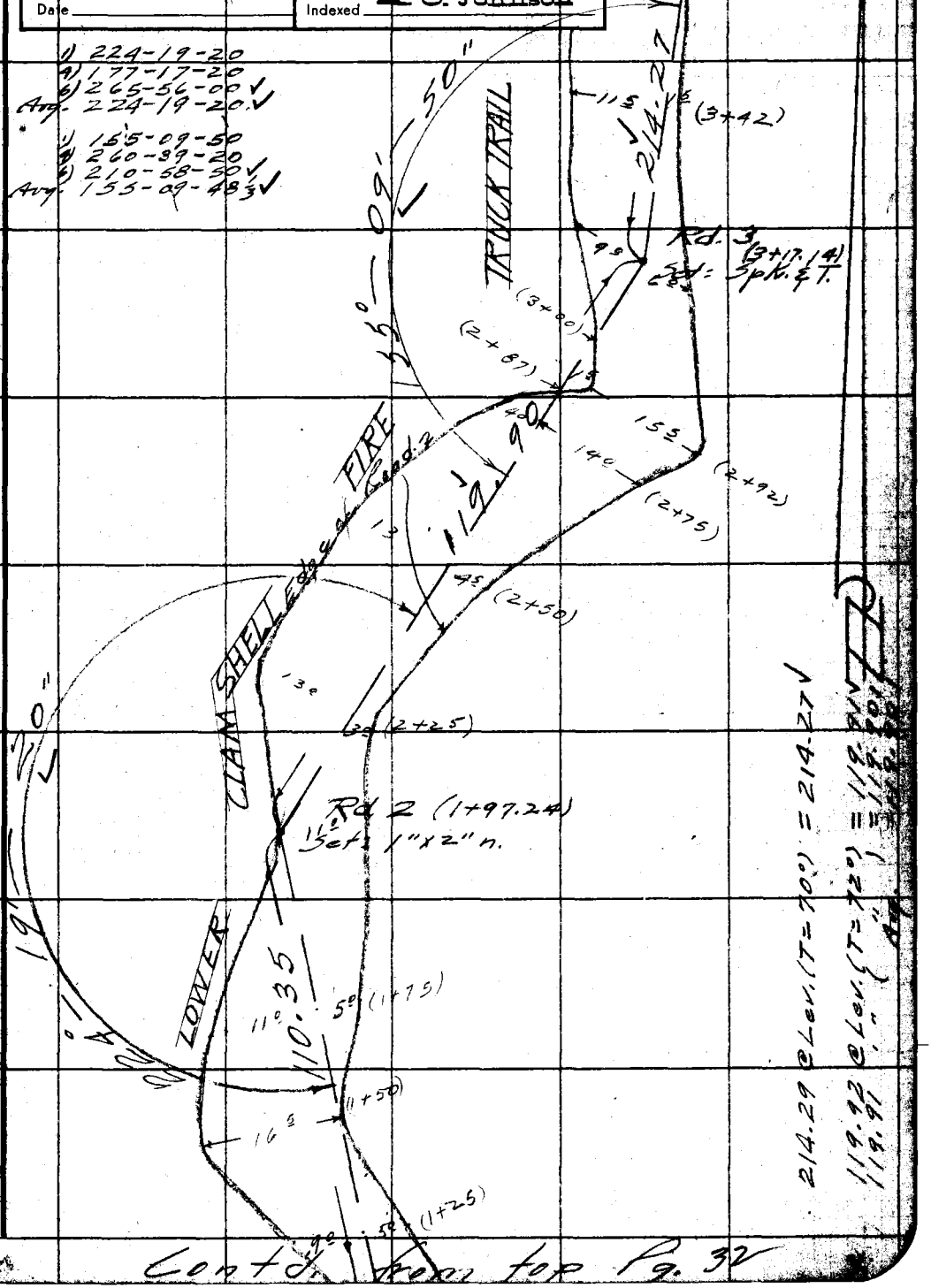
Notes Ck'd by Miller	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Date 11-56
Date	Indexed C. Johnson

F. B. 2249 Pg. 33

3+17.14
214.27
5-31.41

1) 224-19-20
4) 177-17-20
6) 265-56-00 ✓
Avg. 224-19-20 ✓

1) 155-09-50
4) 260-39-20
6) 210-58-50 ✓
Avg. 155-09-48⅓ ✓



214.29 @ Lev. (T = 70°) = 214.27 ✓
119.92 @ Lev. (T = 72°) = 119.91 ✓
119.91 " " (") = 119.90 ✓
Avg. 119.90

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3095 S&E #247 1-56

Cont'd. from top Pg. 32

Contd. on Pg. 38

F. B. 2249 Pg. 34

1) 143-42-10	1) 154-31-50
4) 214-48-30 ✓	4) 258-07-00
6) 142-12-50	6) 207-10-30 ✓
Avg. 143-42-08 1/3 ✓	154-31-45 ✓
1) 125-23-30	1) 29-08-50
4) 141-33-30	4) 116-34-50
6) 32-20-00 ✓	6) 174-52-00 ✓
Avg. 125-23-20 ✓	29-08-40 ✓

1) 61-45-50
4) 247-03-50 ✓
6) 10-35-20
Avg. 61-45-53 1/3 ✓

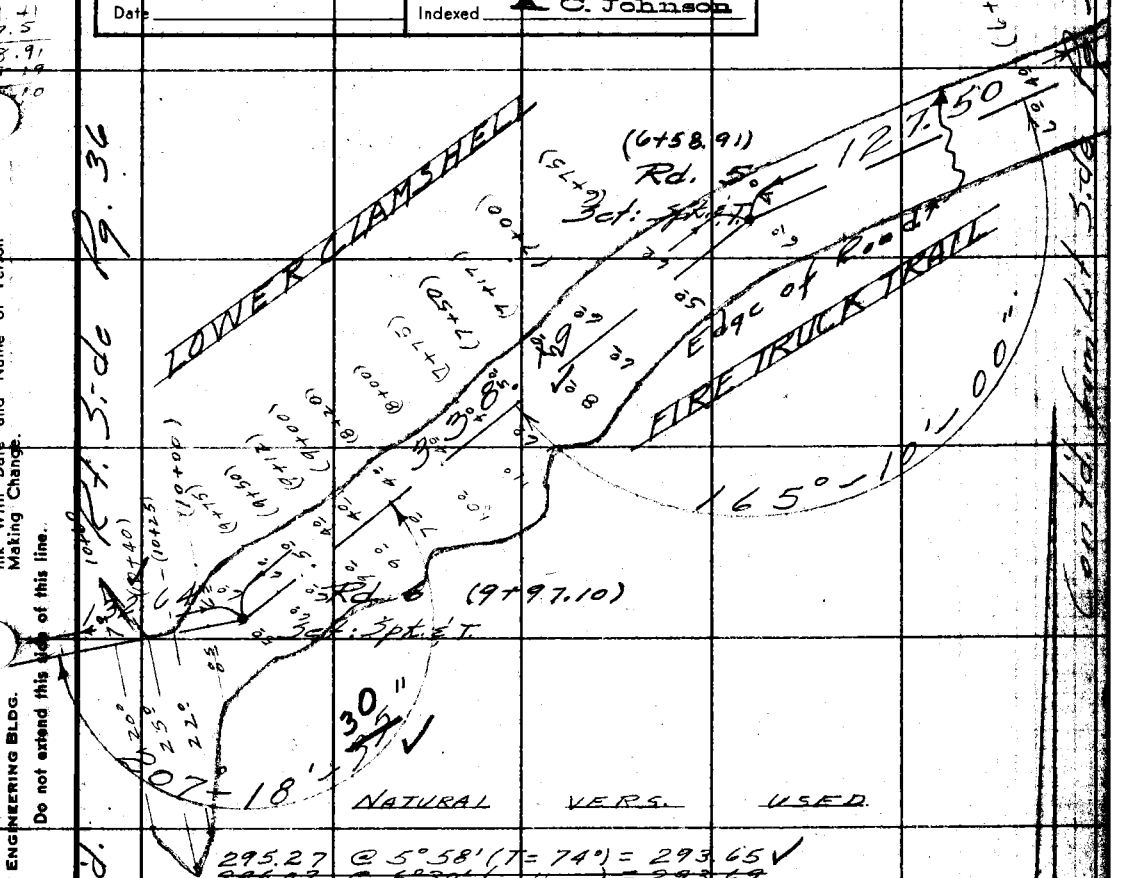
Contd. from top Pg. 33

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

Notes Ck'd by Miller	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Date 11-56
Date	Indexed A. C. Johnson

F. B 2249 Pg. 35

5 +31.41
1 27.5
6 +58.91
3 38.19
9 +97.10



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

Do not extend this side of this line.

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

Cont'd.

NATURAL	VERS.	USED
295.27 @ 5°58' (T=74°)	= 293.65 ✓	
~~295.07 @ 5°30' (")~~	~~= 293.69~~	
295.18 @ 5°46' (")	= 293.67 ✓	
Avg.	= 293.66 ✓	
44.53 @ Lev (T=74°)	= 44.53 ✓	
Tot.	= 338.19 ✓	
132.85 @ 3°12' (T=80°)	= 132.64 ✓	
~~133.11 @ 5°07' (")~~	~~= 132.58~~	
133.06 @ 4°29' (")	= 132.65 ✓	
Avg.	= 132.64 ✓	

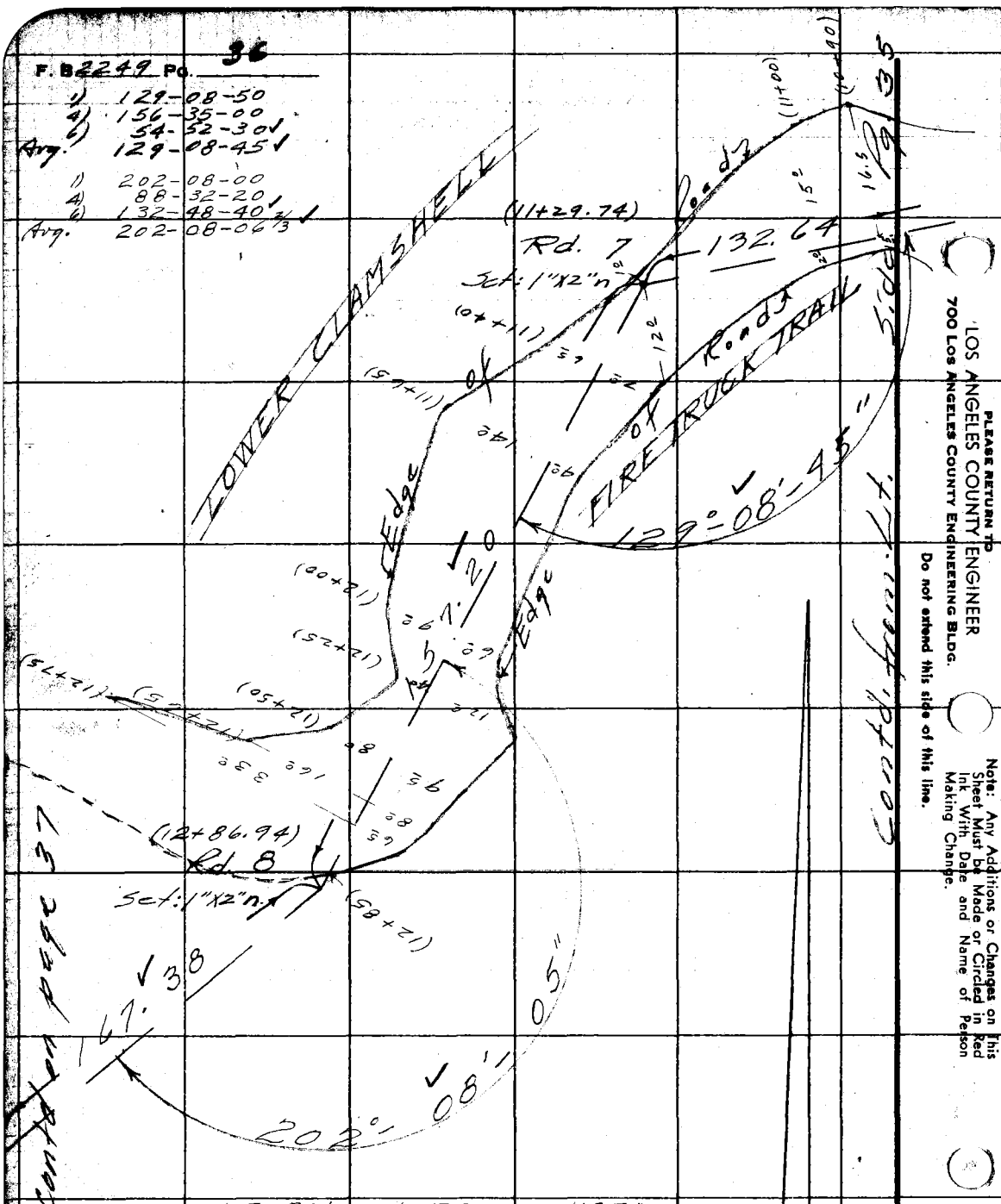
1) 165-10-10	207-18-30
4) 300-40-10	109-14-20
6) 271-00-00 ✓	163-51-30 ✓
Avg. 165-10-00 ✓	Avg. 207-18-35 ✓

76F3098 S&E #247 1-56

F. B 2249 Pg. 36

1) 129-08-50
4) 156-35-00
6) 54-52-30 ✓
Avg. 129-08-45 ✓

1) 202-08-00
4) 88-32-20
6) 132-48-40 ✓
Avg. 202-08-06 2/3 ✓



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

Do not extend this side of this line.

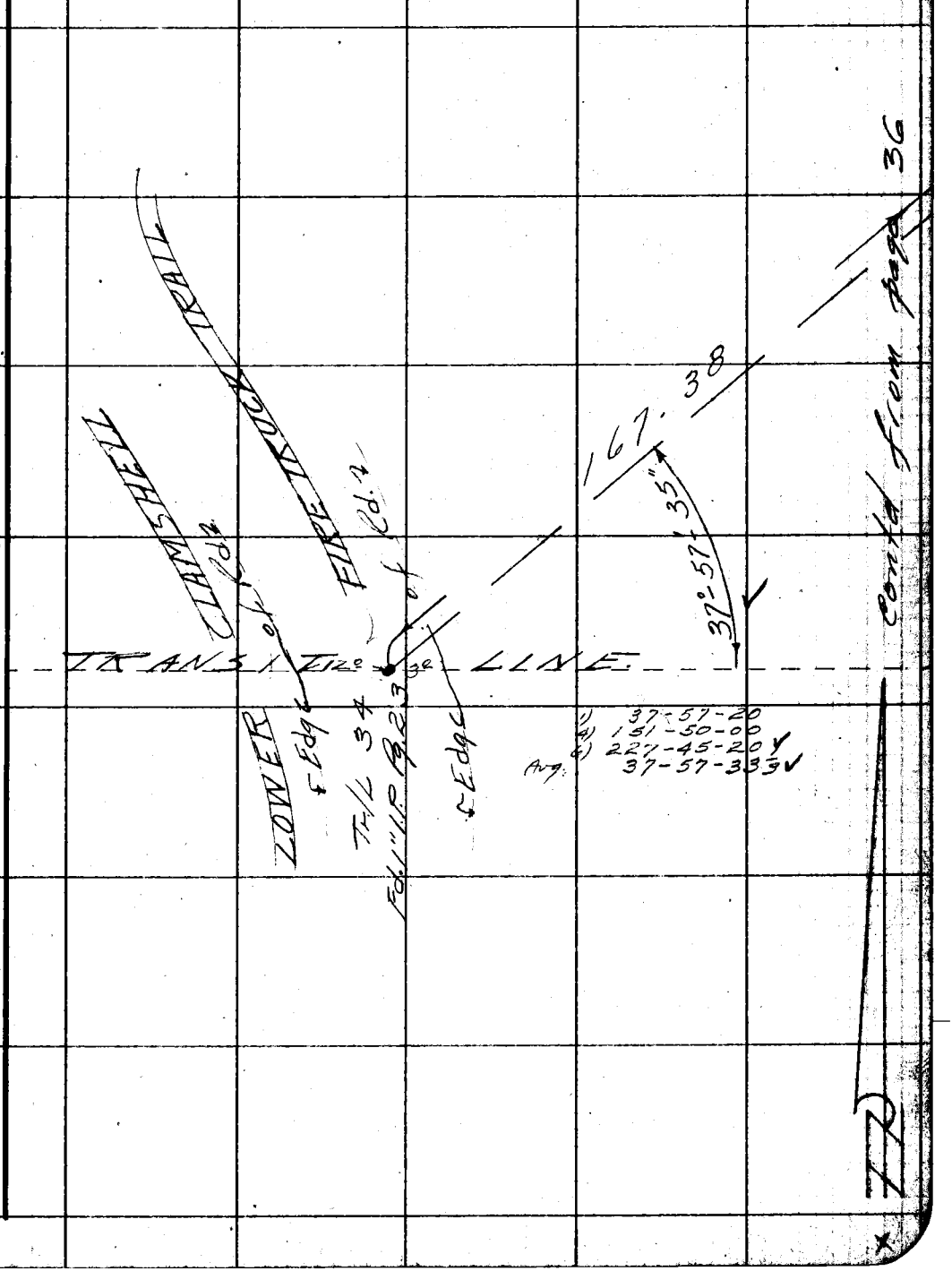
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

NATURAL VERS.		USED.
157.41 @ 3°01' (T=84°)	=	157.19 ✓
157.66 @ 4°19' (")	=	157.21 ✓
Avg.	=	157.20 ✓
170.27 @ 10°32' (T=80°)	=	167.40 ✓
169.82 @ 9°45' (")	=	167.37 ✓
Avg.	=	167.38 ✓

997.10
132.64
11+29.74
157.20
1286.94

Notes Ck'd by Miller	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Date 11-56
Date	Indexed A. C. Johnson

F. B 2249 Pg. 37



PLEASE 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 this side of this line.

76F3095 S&E #247 1-56

F. B. 2248 Pg. 38

TRAVERSE LINE FOR STADIA CONTROL

1) 86.09 @ 30°03'40" (T=60°) = 74.50 ✓
2) 87.00 31°06'20" (") = 74.48 ✓
Avg. = 74.49 ✓

1) 94.46 @ 2°11' (T=6°) = 94.38 ✓
2) 94.56 3°24' (") = 94.38 ✓
Avg. = 94.38 ✓

1) 56.32 @ 8°49' (T=6°) = 55.64 ✓
2) 56.00 8°20' (") = 55.65 ✓
Avg. = 55.64 ✓

1) 226.50 @ 31°22'20" (T=82°) = 193.39 ✓
2) 224.46 30°31'20" (") = 193.36 ✓
3) 226.00 31°09'00" (") = 193.41 ✓
Avg. = 193.39 ✓

1) 203.19 @ 2°49' (T=72°) = 202.92 ✓
2) 203.29 3°17' (") = 202.94 ✓
Avg. = 202.93 ✓

1) 109.57 @ 9°15' (T=60°) = 108.12 ✓
2) 110.20 11°04' (") = 108.13 ✓
Avg. = 108.12 ✓

54.84 @ Long. (T=72) = 54.84 ✓

CN. #10
Set: 1"x2" s.n. on side hill.
1) 129-49-40
2) 159-17-00
3) 58-55-20 ✓
Avg. 129-49-13⅓ ✓

CN. #2
Set: 1"x2" s.n.
1) 103-02-40
2) 52-11-00 ✓
3) 258-16-20 ✓
Avg. 103-02-43⅓ ✓

CN. #1A
Set: 1"x2" s.n.

CN. #1
Set: 1"x2" s.n.
Stamped "Sta. 0 + 00 at P.I."

Mag. Avg.
1) 77-09-20
2) 308-37-20 ✓
3) 102-56-20 ✓
Avg. 77-09-23⅓ ✓

1) 113-47-20
2) 95-10-30
3) 322-45-40 ✓
Avg. 113-47-36⅔ ✓

1) 66-00-10
2) 264-01-20 ✓
3) 36-02-20 ✓
Avg. 66-00-23⅓ ✓

No. Rd. 4 Contd. from Pg. 34

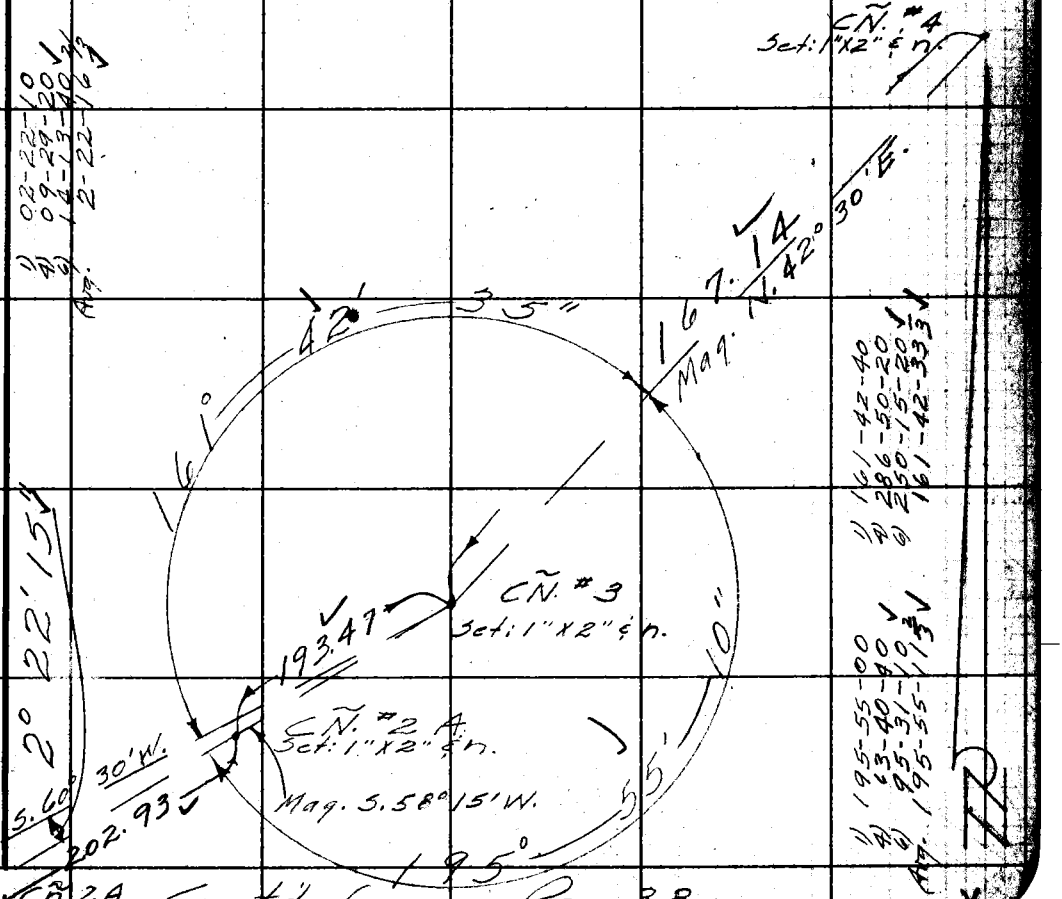
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

Notes Ck'd by Miller	Survey of Lux Arboretum	F. B 2249 Pg. 39
Map No.	JN 0054.00 Tape 122 Std 84 °F	
Office Work	Surveyed by Mitchell	
Checked	Notes Date 12-56	
Date	Indexed A. C. Johnson	

1) 195.90 @ 8°59' (T = 60°) = 193.47 ✓
2) 196.11 9°20' (") = 193.48 ✓
Avg. = 193.47 ✓

1) 167.61 @ 4°15' (T = 64°) = 167.13 ✓
2) 167.83 5°05' (") = 167.15 ✓
Avg. = 167.14 ✓



To Cñ. 2A Cont'd. from Pg. 38

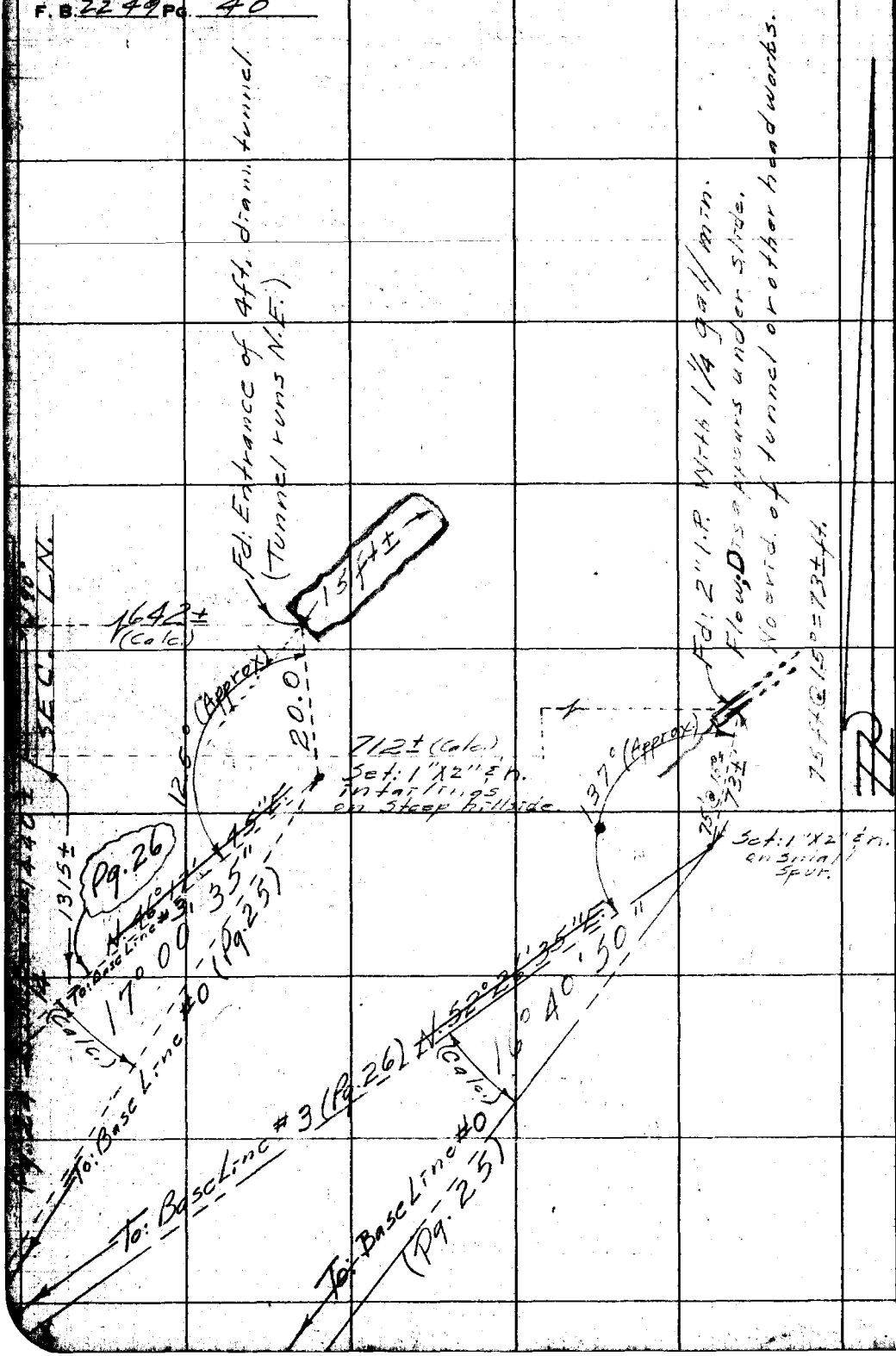
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Do not extend this side of this line.

76F309S S&E #247 1-56

F. B. 2249 Pg. 40



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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

Stadia Title

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std. 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date 12/56
Date	Indexed A. C. Johnson 12-16-56

F. B. 2249 Pg. 41

SURVEY SHOWING
TRANSIT & STADIA TOPOGRAPHY
IN
CLAMSHELL CANYON

LUX ARBORETUM
JN 0054.00

Mitchell
Smiley
Hew
Henderson
Goss

12/56

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

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

Do not extend this side of this line.

78F3098 S&E #247 1-56

F. B. 2249 Pg. 42

NOTE:

The stadia notes on the following pages are intended to show (1), a possible truck trail leading from "Lower Clamshell Canyon Truck Trail" in to the bottom of Clamshell Canyon (10% grade) and (2), the location of useable "flats" in the bottom of the canyon as well as (3), the location of the line of the stream.

Minor irregularities not essential to the above were omitted.

The top of the 1x2 stake at Rd. 4 was assigned an elev. of 500.0 ft - All other elevations are based on this ASSUMED DATUM

NOTE: 9-2-58 RJM

See pg 93, pg 177, pg 180 for Equation to Mean Sea Level Datum.

NOTE:

Values recorded in "BS" column of Stadia notes are measured distances from station mark to Horizontal Axis of the instrument.

See page 94 for Elevations of Stations.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lux Harbor datum
Map No.	JN 0054.09 Tape Std °F
Office Work	Surveyed by R. T. Mitchell
Checked	Notes Mitchell Date 12/56
Date	Indexed E. O. Johnson

F. B. 2749 Pg. 43

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 SAE #247 1-56

VERTICAL ANGLE
BENCH MARKS

ASSUMED DATUM

The Elevation of the top of the 1x2 stk at station "Road 4" as shown on page 35 was assumed to be 500.0 ~ All other elevations are based on this assumed datum.

Sept-2-1958

Find this point to be 1ft below △ K-4 (Set Aug 1958) or to be at Vertical Angle Elev. = 1298.5 (See page 180) See page 177 for new datum.

R.J.M.

VERTICAL ANGLE BENCH MARKS

Instrument Sta	Height Above Sta (B.S.)	Sight On Sta.	Rod	Vert. Angle ±	0	1	Distance Horiz	Vert.	Diff. In Elev. Calc.	Adj.	Elevation	Remarks
Cn 1	4.6										385.7	pg 38
		Rd 4	4.0	+	30	26	193.39	+113.6	+114.2	+114.3	500.0	Assumed Elev. - pg 35
		Cn 10	1.5	+	30	00	74.49	+43.0	+46.1	+46.3	432.0	pg. 38
		Cn 11	11.0	−	7	24	163.67	−21.3	−27.7	−27.5	358.2	pg 38
		Cn 2	3.0	+	1	34	149.22	+4.1	+5.7	+5.8	391.5	pg 38
Cn 10	4.0											
		Cn 1	8.0	−	29	44	74.49	−42.5	−46.5	−46.3		
		Rd 4	1.0	+	13	42	266.89	+65.0	+68.0	+68.0		
Cn 2	4.7											
		Cn 1	3.0	−	2	52	149.22	−7.5	−5.8	−5.8		
		Cn 2A	0.0	+	1	56	202.93	+6.8	+11.5	+11.4	402.9	pg. 39
Cn 2A	4.6											
		Cn 2	11.0	−	1	24	202.93	−5.0	−11.4	−11.4		
		Cn 3	2.0	+	8	34	193.47	+29.1	+31.7	+31.6	434.5	pg 39
Cn 3	4.6											
		Cn 2A	2.0	−	10	02	193.47	−34.2	−31.6	−31.6		
		Cn 4	5.0	+	5	44	167.14	+16.8	+16.4	+16.3	450.8	pg 39
Cn 4	4.7											
		Cn 3	6.0	−	5	06	167.14	−14.9	−16.2	−16.3		
Cn 11	5.0											
		Cn 1	4.0	+	9	08	163.67	+26.3	+27.3	+27.5		

ASSUMED DATUM

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

Form 381 (Rev 2-84)

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Red—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ −	Vertical Angle	Elevation of Point	+ Back Sight	+ −	Difference Elevation	Height of Instrument	+ −	Vertical Distance	REMARKS Station	Left	Right
237					° ′			° ′	3857	46			3703			FB 2249 - 38.46		
	BM				0.00	195			5000							FB 2249 - 35.44		
	#1	712 700 1035	18	7.1	0.00	18		0.00	3832			7.1			0.0	T.B		
	#2	1000 945	35	10.0	6.00	31		18.54	3696			20.7			10.7	B.B.		
	#3	900	45	9.0	5.45	40		20.04	3668			23.5			14.5	Str.		
	#4	1046 1000 750	46	10.0	6.05	42		16.32	3671			22.6			12.6	B.B.		
	#5	700	50	7.0	5.30	50		15.46	3702			20.1			13.1	T.B.		
	#6	760 700	60	7.0	3.47	60		4.30	3786			11.7			4.7	SS		
	#7	976 900	98	1.0	39.35	97		6.30	3783			12.0			11.0	B.C.I. (01. is 5')		
	#8	786 700	86	7.0	46.51	80		14.58	3618			28.5			21.5	BB		
	#9	880 800	80	8.0	51.22	75		14.30	3629			27.4			19.4	Str.		
	#10	872 800	72	8.0	54.28	67		14.30	3648			25.5			17.5	BB		
	#11	368 300	68	3.0	58.35	64		13.28	3723			18.0			15.0	T.B		
	#12	265 200	65	2.0	62.31	62		13.14	3741			16.2			14.2	BK.S.		
	#13	461 400	61	4.0	67.39	58		11.20	3747			15.6			11.6	BK.S.		
	#14	457 400	57	4.0	74.36	56		7.20	3755			14.8			10.8	BK.S.		
	#15	347 300	47	3.0	90.24	47		4.30	3836			6.7			3.7	T.Sp.		
	#16	136 100	36	1.0	122.15	35	+	10.54	3952		+	5.5		+	6.5	BK.S.		
	#17	445 400	45	4.0	122.15	43	+	10.54	3846		+	4.9		+	8.9	T.B		
	#18	1133 1100	33	11.0	122.15	31	+	10.20	3897			1.6		+	9.4	S.S.		
	#19	416 400	16	1.6	122.15	3	+	3.10	3941			3.2			0.8	T.S.		

Notes Red _____ Plotted _____ Job No. 2253-2-95 Sheet 2 of 2 Sheets
Notes Chkd. _____ Date _____ Checked _____ Date _____ Map No. _____
Date _____ Data _____ Survey of Lux Ranch Tract
Survey by Mitchell Notes Mitchell Date Revised
Traced J. Tondre Date

ASSUMED DATUM

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ / − Vertical Angle	Elevation of Point	Back Sight	+ / − Difference Elevation	Height of Instrument	+ / − Vertical Distance	REMARKS Station	Left	Right
		428			° '		° '								
Ch 1	#20	420	8	4.2	184.49,	8	0.00,	386.1		4.2	390.3	0.0	T.S.		
		146													
	#21	100	46	1.0	189.26,	36	+ 28.06,	404.1		+ 13.8		+ 14.6	S.H.		
		576													
	#22	500	76	5.0	223.10,	68	+ 18.46,	408.6		+ 18.3		+ 23.3	S.H.		
		152													
	#23	100	52	1.0	251.30,	52	0.00,	389.3		1.0		0.0	T.S.		
		263													
	#24	200	63	2.0	282.51,	63	2.40,	385.4		4.9		2.9	B.K.S.		
		473													
	#25	400	73	4.0	291.17,	73	5.12,	379.8		10.5		6.5	B.K.S.		
		1080													
	#26	1000	80	10.0	299.30,	80	1.40,	378.0		12.3		2.3	T.B.		
		1081													
	#27	1000	81	10.0	301.13,	81	3.48,	375.0		15.3		5.3	B.B.		
		1087													
	#28	1000	87	10.0	304.12,	87	2.58,	375.8		14.5		4.5	S.H.		
		1092													
	#29	1000	92	10.0	306.04,	92	2.29,	376.3		14.0		4.0	B.B.		
		303													
	#30	200	103	0.0	310.51,	103	+ 3.22,	396.5		+ 6.2		+ 6.2	S.S.		
		1166													
	Ch #1	1000	166	11.0	77.09,	162	7.24,	358.0		32.3		21.3			
		450													
	Ch #2	300	150	3.0	256.57,	150	+ 1.34,	391.2		+ 1.1		+ 4.1			
Ch #10					° '		° '	432.0	4.0		436.0		FB 2249-38,44		
		385											65.2 checked but not used.		
	Rod #4	100	285	1.0	352.06,	269	+ 13.42,	500.2		+ 64.2		+ 65.2	Begin line of prop.		
	Tra.1	584											Truck Trail to B.C.R.		
	#1	300	284	5.0	347.41,	267	+ 14.08,	500.0		+ 64.0		+ 69.0	Flag.		
	Tra.1	650													
	#2	900	250	4.0	325.55,	228	+ 16.50,	504.9		+ 68.8		+ 72.8	" S.H.		
	Tra.1	346													
	#3	100	246	1.0	317.45,	229	+ 15.16,	497.8		+ 61.8		+ 62.8	" S.H.		
	Tra.1	1155													
	#4	900	255	10.0	311.28,	235	+ 16.02,	493.5		+ 57.5		+ 67.5	" S.H.		
	Tra.1														
	#5				305.15,		° '						" B.O (Not Visable)		
	Tra.1	532													
	#6	300	237	3.0	299.51,	226	+ 13.20,	486.9		+ 50.8		+ 53.8	" S.H.		

Adv'd Uniform. To Clamshell Canyon

Assumed Datum

Side of Draw H.D. — Edge of Road E.Rd. — Saddle ... Sa. — Spale ... Sw. — Flat ... Fl. — Stream ... Str. — Trail ... Tr. — Pavement ... Pvt. — Edge of Road E.Rd. — Bottom of Fill B.F.

Top of Bank T.B. — Bottom of Bank B.B. — Top of Cut T.C. — Bottom of Cut B.C. — Top of Fill T.F. — Bottom of Fill B.F.

Top of Cliff T.Cl. — Bottom of Cliff B.Cl. — Top of Spur T.Sp. — Bottom Canyon B.Ca.

Break in Slope Br.S. — Slope S.S.

Fence ... Fe. — Ind. Fences V.Fe. — Ditch ... Di. — Telephone Pole T.P. — Power Pole P.P. — Culvert ... Cul.

Orchard Or. — Pine-Pl. Cedar-Ce. — Sycamore ... Sy. — Eucalyptus ... Eu. — Pplus combinations of these and all common standard abbreviations.

Topography Description Legend:
Side of Hill ... S.H. — Bottom Draw B.D. — Bottom Wash B.W. — Side of Draw S.D. — Bottom of Ridge B.R. — Top of Ridge T.R. — Head of Draw H.D. — Toe of Slope T.S.

FB 2249 Pg. 46

Form 301 10M 3-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Red—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left	Right
					° ′		° ′								
CS#10								432.0			436.0		FB 2249-38, 44		
	Tra.1	1200													
	#7	952	248	10°	293.28	234	+ 14.08	484.8		+ 48.8		+ 58.8	Flag S.H.		
	Tra.1	443													
	#8	200	243	2°	281.15	233	+ 10.58	479.0		+ 43.0		+ 45.0	" "		
CS#2								391.5	A		396.2		FB 2249-38, 44		
		350											TS checked		
	CS#1	200	150	3°	0.00	150	2.52	385.6	3°	10.6		7.6	but not used.		
		1094													
	#1	970	124	10°	342.40	123	4.28	376.3		19.8		9.8	BK.S.		
		1200													
	#2	1083	117	12°	349.00	117	+ 0.20	384.9		1.3		+ 0.7	BK.S.		
		1129													
	#3	1000	129	11°	340.20	128	4.48	374.4		21.8		10.6	T.B.		
		1129													
	#4	1000	129	14°	340.00	128	4.48	370.6		25.6		10.8	B.B.		
1	#5	176													
		100	76	1°	300.45	75	+ 4.18	400.8		+ 4.6		+ 5.6	S.S.		
1	#6	767													
		700	67	7°	314.57	66	4.08	384.4		1.8		4.8	T.B.		
	#7	1166													
		1100	66	11°	317.34	65	4.34	380.0		1.62		5.2	B.B.		
		1167													
	#8	1100	67	12°	323.39	66	4.06	379.5		1.62		4.2	St.		
		1168													
	#9	1100	68	12°	330.35	67	4.46	378.6		1.76		5.6	B.B.		
		669													
	#10	600	69	6°	331.58	69	5.36	384.1		12.1		6.1	T.B.		
		321													
	#11	300	71	4°	345.24	71	2.16	389.0		7.2		3.2	BK.S.		
		172													
	#12	100	72	1°	10.43	72	1.56	392.8		3.6		2.8	BK.S		
		173													
	#13	100	73	1°	30.06	70	+ 12.00	410.0		+ 13.8		+ 14.8	S.H.		
		138													
	#14	100	36	1°	281.43	36	+ 13.06	403.6		+ 7.4		+ 8.4	S.S.		
		718													
	#15	700	18	7°	320.58	18	1.58	388.6		7.6		0.6	T.B.		
		1187													
	#16	1171	16	11°	337.00	16	0.00	384.4		1.8		0.0	BB		

Assumed Datum

Work Order No. 20 E.B. 2249 Pg. 44

Job No. 38200 Division No. [illegible]

Survey of Lux Orchard Tract

Survey by Mitchell Date Dec. 1956

Notes Mitchell Date Dec. 1956

Plotted [illegible] Date [illegible]

Checked C. Johnson Date [illegible]

Map No. [illegible]

Date [illegible]

Notes Cbkd. [illegible] Checked [illegible]

Date [illegible]

Date [illegible]

Verified [illegible]

Adv. 1 Interm.

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ Vertical Angle —	Elevation of Point	+ Back Sight	+ Difference — Elevation	Height of Instrument	+ Vertical Distance	REMARKS Station	Left	Right
		1120			° '		° '								
BM2	#17	1100	20	11.0	359.01,	16	— 4.04,	383.8		— 12.4	396.2	— 1.4	Str		
	18	1124													
		1100	24	11.1	15.02,	24	— 0.00,	385.1		— 11.1		— 0.0	B.B.		
	19	111													
		080	31	1.0	29.48,	31	— 0.00,	395.2		— 1.0		— 0.0	T.B.		
	20	139													
		100	39	1.0	39.23,	39	+ 2.42,	397.4		— 0.8		+ 1.8	BK S		
	21	121													
		100	71	1.6	58.47,	64	+ 16.40,	416.0		+ 19.8		+ 20.8	S.S.		
	22	136													
		100	38	1.0	199.22,	29	+ 29.30,	411.4		+ 15.2		+ 16.2	S.S.		
		128													
	23	104	24	1.0	144.10,	24	+ 1.12,	395.7		— 0.5		+ 0.5	BK S.		
		327													
	24	302	25	3.1	125.00,	25	— 0.00,	393.1		— 3.1		— 0.0	TB		
		931													
	25	903	28	4.2	119.15,	28	— 0.00,	392.0		— 4.2		— 0.0	B.B.		
		952													
	26	919	33	9.3	106.39,	33	— 0.00,	386.8		— 9.3		— 0.0	Str		
		750													
	27	711	39	7.3	101.00,	39	— 0.00,	388.5		— 7.3		— 0.0	BK.S.		
		400													
	28	351	49	3.1	95.13,	49	— 0.00,	392.5		— 3.1		— 0.0	BK.S.		
		187													
	29	100	87	1.0	89.12,	80	+ 15.54,	418.1		+ 21.9		+ 22.9	S.S.		
		392													
	30	300	92	3.0	164.00,	77	+ 23.52,	427.9		+ 30.9		+ 33.9	S.S.		
		691													
	31	600	91	6.0	146.31,	84	+ 15.56,	414.2		+ 18.0		+ 24.0	BK.S.		
		986													
	32	900	86	9.0	134.37,	85	+ 4.10,	393.8		— 2.0		+ 6.2	B.B.		
		291													
	33	200	91	2.5	126.54,	91	— 0.00,	393.2		— 2.5		— 0.0	Str		
		129													
	34	033	96	0.8	119.44,	96	— 0.00,	395.4		— 0.8		— 0.0	B.B.		
		199													
	35	100	99	1.0	115.32,	99	+ 3.10,	400.7		+ 4.5		+ 5.5	BK.S.		
		302													
	36	201	102	2.0	109.13,	102	+ 4.44,	401.7		+ 6.5		+ 8.5	BK.S.		
		331													
	37	200	131	2.0	99.09,	120	+ 18.05	435.1		+ 38.9		+ 40.9	S.H.		

Topography Description Legend:
Side Hill ..... S.H. | Bottom Draw ..... B.D.
Side of Draw ..... S.D. | Bottom Wash ..... B.W.
Side of Ridge ..... S.R. | Top of Ridge ..... T.R.
Head of Draw ..... H.D. | Toe of Slope ..... T.S.

Dik. ..... Dk. | Fir-Pr. ..... Fir-Pr.
Fence ..... Fe. | Pine-Pi. ..... Pine-Pi.
Dit. Fence ..... V.Fe. | Cedar ..... Ce.
Ditch ..... Dit. | Sycamore ..... Sy.
Telephone Pole ..... T.Pl. | Eucalyptus ..... Eu.
Power Pole ..... P.P. | Plus combinations of these and all common standard abbreviations.
Culvert ..... Culv.

Saddle ..... Sa.
Swale ..... Sw.
Flat ..... Fl.
Stream ..... Str.
Trail ..... Tr.
Pavement ..... Pvt.
Edge of Road ..... E.Rd.

Side of Canyon ..... S.Cn.
Top of Bank ..... T.Bk.
Bottom of Bank ..... B.Bk.
Top of Cut ..... T.Ct.
Bottom of Cut ..... B.Ct.
Top of Fill ..... T.Fl.
Bottom of Fill ..... B.F.

Intersection of Draw ..... Int. of Drw.
Break in Slope ..... B.S.
Steep Slope ..... S.S.
Top of Cliff ..... T.Cl.
Bottom of Cliff ..... B.Cl.
Top of Spur ..... T.Sp.
Bottom Canyon ..... B.Cn.

P.B. 224 Pg. 48

Add'n'l Info on Reverse

Assumed Datum

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit At	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ / − Vertical Angle	Elevation of Point	Rank Sight	+ / − Difference Elevation	Height of Instrument	+ / − Vertical Distance	REMARKS Station	Left	Right
CB28					° ′		° ′	402.9	46		40.75		FB2249-39,44		
	CB#2	1204 / 1000 / 957	204	11.0	0.00	204	1.24	391.5		16.0		5.0	Checked.		
	#1	900 / 957	57	9.5	1.15	57	0.00	398.0		9.5		0.0	Str.		
	2	900 / 954	54	9.3	12.32	54	0.00	398.2	4	9.3		0.0	B.B.		
	3	371 / 300	71	3.0	33.23	68	+ 11.22	418.2	5	+ 10.1		+ 13.7	T.B.		
	4	980 / 900	80	9.0	40.45	74	+ 15.34	419.7	6	+ 12.4		+ 21.2	BK.S.		
	5	1003 / 900	103	9.0	46.00	94	+ 20.08	432.6	7	+ 25.3		+ 34.3	S.H.		
	Trail #1	242 / 100	142	1.0	314.09	105	+ 28.36	466.7	8	+ 59.2		+ 60.2	S.S. - Flag		
	Trail #2	316 / 200	116	2.0	283.35	80	+ 33.56	456.6	9	+ 49.1		+ 51.1	S.S. - "		
	6	225 / 200	75	2.0	280.37	57	+ 29.32	438.6	10	+ 31.3		+ 33.3	BK.S.		
	7	150 / 100	50	1.0	279.52	39	+ 27.30	427.4	11	+ 19.9		+ 20.9	BK.S		
	8	332 / 300	32	3.0	283.47	27	+ 24.04	416.4	12	+ 8.9		+ 11.9	BK.S		
	9	126 / 100	24	1.0	297.13	20	+ 23.14	415.2	13	+ 7.7		+ 8.7	BK.S.		
	10	407 / 400	7	4.1	307.25	7	0.00	403.4	14	4.1		0.0	B.B.		
	N	597 / 590	7	5.9	245.3	7	0.00	401.6	15	5.9		0.0	Str.		
	12	624 / 610	14	6.0	54.45	14	0.00	401.5	16	6.0		0.0	B.B.		
	13	888 / 800	48	8.0	58.29	39	+ 25.18	418.0	17	+ 10.5		+ 18.5	T.B. = Lower fl.		
	14	242 / 200	42	2.0	79.29	33	+ 27.22	423.2	18	+ 15.2		+ 17.2	Upper fl.		
	15	1142 / 1100	67	11.0	67.49	58	+ 27.02	429.9	19	+ 22.3		+ 23.3	Lower fl.		
	16	1168 / 1100	65	11.0	78.14	53	+ 26.32	423.2	20	+ 26.2		+ 27.2	Upper fl.		
	17	598 / 498	157	4.0	79.30	111	+ 28.52	421.6	21	+ 6.8		+ 6.8	S.H.		

Assumed Datum

Notes Tied _____ Plotted _____ Job No. 49 37 22 Dividers No. 10 L.B. 2911

Date _____ Date _____ Survey of Lake Elizabeth Estates Unit 2

Notes Checked _____ Checked _____ Survey By Wheeler & Gray Inc. Notes Cross Checked _____

Date _____ Map No. _____ Indexed _____ Date _____

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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	2	3	4	5	6	7	8	9	10	11	12	13	14
Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ Vertical Angle —	Elevation of Point	+ Back Sight	+ Difference — Elevation	Height of Instrument	+ Vertical Distance —	REMARKS Station / Left / Right
	Trail	216			° '		° '						
Co 29	#13	100	116	1 0	224 17	93	+ 26 21	452 7		+ 45 2	407 5	+ 46 2	55 - El = 9
		400											
	18	300	108	3 0	246 24	82	+ 29 28	450 7		+ 43 2		+ 46 2	55
	19	156											
		100	56	1 0	230 11	51	+ 17 48	422 6		+ 15 1		+ 16 1	BLS
	20	139											
		100	39	1 0	193 50	36	+ 10 10	413 3		+ 5 8		+ 6 8	BLS
	21	207											
		170	37	1 9	184 03	37	- 0 00	405 6		- 1 9		- 0 9	BV
	22	239											
		200	39	2 5	172 12	39	- 0 06	405 0		- 2 5		- 0 0	SHR
	23	140											
		100	40	1 0	153 56	40	+ 2 12	408 1		+ 0 4		+ 1 6	BV
	24	663											
		600	63	6 0	138 14	53	+ 23 34	424 7		+ 17 2		+ 23 2	TB = Upper Fl
	25	226											
		100	126	1 0	121 02	99	+ 27 32	458 3		+ 50 8		+ 51 8	SH
	26	245											
		100	145	1 0	139 37	114	+ 25 46	463 3		+ 55 8		+ 56 8	TCL
	27	227											
		100	127	1 0	142 30	105	+ 21 12	449 1		+ 41 6		+ 42 6	BCL
	28	201											
		100	101	1 0	150 48	96	+ 14 02	430 5		+ 23 0		+ 24 0	TCL
	29	196											
		100	96	1 0	154 10	94	+ 9 36	422 3		+ 14 8		+ 15 8	BCL
	30	186											
		100	86	1 0	163 25	86	+ 3 16	411 4		+ 3 7		+ 4 7	BB
	31	184											
		100	84	1 0	169 22	84	+ 3 24	411 5		+ 4 0		+ 5 0	TB
	32	185											
		100	85	1 0	169 31	85	+ 1 50	409 2		+ 1 7		+ 2 7	BB
	33	184											
		100	84	1 0	174 15	84	+ 1 24	408 6		+ 1 1		+ 2 1	SHR
	34	184											
		100	84	1 0	180 35	84	+ 2 32	410 3		+ 2 8		+ 3 8	BB
	35	182											
		100	82	1 0	181 38	81	+ 4 28	412 9		+ 5 4		+ 6 4	TB
	36	382											
		300	82	3 0	189 22	77	+ 10 44	419 4		+ 11 9		+ 14 9	BLS
	37	386											
		300	86	3 0	197 40	82	+ 12 36	422 9		+ 15 4		+ 16 4	BLS

Index of Draw, V.Fs. — Side of Draw, V.Fs.
Break in Slope ... Bk.S. — Toe of Bank ... T.Bk.
Steep Slope ... S.S. — Bottom of Bank ... B.Bk.
Top of Cliff ... T.Cl. — Top of Cut ... T.C.
Bottom of Cliff ... B.Cl. — Bottom of Cut ... B.C.
Toe of Spur ... T.Sp. — Top of Fill ... T.F.
Bottom Canyon ... B.Cn. — Bottom of Fill ... B.F.

Abbr. — Pfr-Pf. — Pine-Pf. — Cedar-Ce. — Sycamore ... Sy. — Eucalyptus ... Eu. — Plus combinations of these and all common standard abbreviations.

Index of Fences — Fnc. — Fence ... V.Fn. — Int. Fences ... V.Fn. — Ditch ... Dt. — Telephone Pole ... T.P. — Power Pole ... P.P. — Culvert ... Culv.

Index of Roads — Rds. — Road ... Rd. — Trail ... Tr. — Pavement ... Pvt. — Edge of Road ... E.Rd.

Index of Streams — Strms. — Stream ... Str. — Flat ... Fl.

Index of Buildings — Bldgs. — Shed ... Sh. — Barn ... B.

Description Legend:
Bottom Draw ... B.D.
Bottom Wash ... B.W.
Top of Ridge ... T.R.
Toe of Slope ... T.S.
Head of Draw ... H.D.

Scale 1" = 50'

Remarks: Detail

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station Left Right
CA2A				—	° ′		— ° ′	402.9	1 46	—	407.5	—	FB2249-39,44
	38	338/200	138	1.0	218.17	106	+ 25.08	459.9	2	+ 52.4		+ 53.4	S.H.
CA3				—	° ′		— ° ′	434.5	3 46	—	439.1	—	FB2249-39,44
	#1	584/500	84	5.5	303.25	74	+ 19.56	471.5	4	+ 32.4		+ 26.9	S.H.
	Trail #14	577/520	57	5.5	325.10	56	+ 6.00	439.5	5	+ 0.4		+ 5.9	S.H.
	2	656/600	56	6.0	2.40	55	− 8.22	425.1	6	− 14.0		− 8.0	T.B.
	3	1159/1100	59	11.3	8.20	58	− 8.30	419.2	7	− 19.9		− 8.6	B.B.
	4	1159/1100	59	11.3	14.35	57	− 9.42	418.1	8	− 21.0		− 9.7	TB
	5	803/740	63	8.0	19.30	58	− 16.54	413.5	9	− 25.6		− 17.6	B.B
	6	1166/1100	68	11.0	24.05	64	− 14.08	412.0	10	− 27.1		− 16.1	Str.
	7	468/400	68	4.0	27.20	61	− 19.14	413.9	11	− 25.2		− 21.2	B.B
	8	163/100	63	1.0	66.50	62	+ 8.00	446.8	12	+ 7.7		+ 8.7	S.S
	9	307/200	107	2.0	110.40	95	+ 19.46	471.3	13	+ 32.2		+ 34.2	S.S
	10	272/200	72	2.0	119.40	70	+ 8.44	447.9	14	+ 8.8		+ 10.8	S.S
	11	1142/1100	42	11.2	135.35	42	− 0.00	427.9	15	− 11.2		− 0.0	TB
	12	1140/1100	40	11.2	137.10	39	− 8.26	422.1	16	− 17.0		− 5.8	B.B.
	13	1134/1100	34	12.0	133.30	33	− 9.58	421.4	17	− 17.7		− 5.7	Str.
	14	1129/1100	29	11.0	147.30	28	− 9.36	423.3	18	− 15.8		− 4.8	B.B.
	15	385/360	25	3.8	160.25	25	− 0.00	435.3	19	− 3.8		− 0.0	T.B.
	16	174/150	24	1.7	181.45	24	− 0.00	437.4	20	− 1.7		− 0.0	B.K.S.
	17	277/200	77	2.0	245.15	57	+ 30.30	470.9	21	+ 31.8		+ 33.8	S.H.

Add'n'l Inform.

ASSUMED DATUM

Notes Red. ____ Platted ____ Job No. 005400 Division No. 10 F.B. 2249 Pg. 51
Date ____ Date ____ Survey of Mitchell Notes Goss & Mitchell Date Dec 1956
Notes Chkd. ____ Checked ____ Survey by Mitchell Date ____
Date ____ Date ____ Map No. ____ Inspected C. Johnson Date ____

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Oak-O. Fir-Fr. | Pine-Pi. Cedar-Ce. | Sycamore ..... Sy. | Eucalyptus ..... Eu. | Plus combinations of these and all common standard abbreviations.

Traveled Rd. Tr. Rd. | Fence ..... F.n. | Int. Fences. V. Fns. | Ditch ..... Di. | Telephone Pole T.P. | Power Pole ... P.P. | Culvert ..... Cul.

Sa. ..... Saddle | Sw. ..... Swale | Fl. ..... Flat | Str. ..... Stream | Tr. ..... Trail | Pvt. ..... Pavement | E.Bd. Edge of Road

Side of Canyon S.Cn. | Top of Bank T.B. | Bottom of Bank B.B. | Top of Cut T.C. | Bottom of Cut B.C. | Top of Fill T.F. | Bottom of Fill B.F.

Intera. of Draws. V.D's | Break in Slope Bk.S. | Steep Slope S.S. | Top of Cliff T.Cl. | Bottom of Cliff B.Cl. | Top of Spur T.Sp. | Bottom Canyon B.Cn.

Topography Description Legend:
Side Hill ..... S.H. | Bottom Draw B.D. | Bottom Wash B.W. | Top of Ridge T.R. | Toe of Slope T.S.
Side of Draw S.D. | Side of Ridge S.R. | Head of Draw H.D.

F.B. 2249 Pg. 52

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ Vertical Angle −	Elevation of Point	+ Back Sight −	+ Difference Elevation −	Height of Instrument	+ Vertical Distance −	REMARKS Station	Left	Right
					° '		° '								
CM3									1		439'				
									2						
	18	495 / 400	95	4	201 25	78	+ 25 28	471 9	3	+ 32 8		+ 36 8	S.H.		
	19	964 / 900	64	9	174 00	62	+ 10 58	442	4	+ 2 9		+ 1 12	T.B.		
	20	1161 / 1100	61	11	168 05	61	0 00	427 7	5	1 14		0 0	B.B		
	21	1067 / 1000	67	10	160 45	67	3 58	424 5	6	1 46		46	S.Str.		
	22	1064 / 1000	64	10	155 40	68	3 06	423 4	7	1 37		32	S.B.		
	23	1168 / 1100	68	11	156 00	68	+ 2 32	431	8	8		5	T.B		
	24	169 / 100	69	1	146 20	69	0 00	438	9	1		0	B.K.S.		
	25	153 / 070	83	0	143 20	83	0 00	439	10	0		0	T.S.		
	26	407 / 300	107	3	139 05	101	+ 10 44	420	11	+ 16 6		+ 17 6	S.S.		
	27	322 / 200	123	3	123 35	106	+ 16 58	410 3	12	+ 31 2		+ 34 2	S.S.		
	28	284 / 100	184	2	126 20	167	+ 17 16	488 9	13	+ 49 8		+ 37 8	S.S.		
	Tra. 1 #3	057 / 050	9	0	211 45	9	0 00	439	14	0		0	S.H.		
	Tra. 1 #16	872 / 800	72	7	171 50	72	0 00	431 2	15	7 9		0	Btm of Knoll		
CM2A	CM2	608 / 400	204	4	0 00	0	3 06	4022	4 16	15 5	4076	10 5	Set STK in Str. Btm		
CM2X		508 / 400	108	5	6 50	107	4 16	3946	4 17	13 0	3993	8 0			
	CM2A	208 / 100	108	1	0 00	0	+ 2 30	4039	18	+ 3 7		+ 4 7	Check		
	Tra. 1 #9	264 / 100	164	1	108 33	118	+ 31 56	4519	19	+ 61 7		+ 63 7			
	Tra. 1 #10	259 / 100	159	1	82 46	100	+ 36 20	4509	20	+ 61 6		+ 62 6			
	CM2	797 / 700	97	7	165 44	0	0 00	3917	21	7 6		0	Check		

Add'l Inform.

Lunch Closed

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ Vertical Angle —	Elevation of Point	+ Back Sight	+ Difference Elevation —	Height of Instrument	+ Vertical Distance —	REMARKS Station	Left	Right
					° '		° '		1						
C#4				—	° '		° '	450.8	4.1	—	455.5	—	FB 2249-39,44		
	C#3	669 / 500	169	6°	0.00	168	5.06	450.8	2	20.9		14.9	F.B. 2249-39,44.		
	#1	393 / 200	193	2°	47.50	125	13.42	494.0	3	28.5		30.5	S.H.		
	2	205 / 100	105	1°	93.12	103	7.08	500.8	4	12.0		13.0	S.H.		
	3	592 / 500	92	6°	19.00	81	6.26	440.4	5	15.1		9.1	BK.5.		
	4	383 / 300	83	4°	9.34	81	8.44	439.0	6	16.5		12.5	T.B.		
	5	1187 / 1100	87	12°	4.09	84	11.16	426.8	7	28.2		16.2	B.B.		
	6	1187 / 1100	87	12°	359.52	84	11.16	426.8	8	28.2		16.2	S+r.		
	7	1188 / 1100	88	12°	359.53	86	9.04	429.8	9	25.7		13.7	BK.5.		
	8	991 / 900	91	10°	347.43	90	5.42	436.8	10	19.0		9.0	BC1.		
	9	988 / 900	88	9°	341.52	88	0.00	452.1	11	3.4		0.0	T.21.		
	10	327 / 200	127	2°	332.37	105	10.32	473.0	12	17.8		19.5	S.S.		
	11	226 / 100	126	1°	79.50	105	20.54	496.0	13	41.0		42.0	S.H.		
	12	275 / 200	75	2°	69.04	72	10.06	466.8	14	10.9		12.9	S.H.		
	13	155 / 100	55	1°	61.44	55	1.34	456.0	15	0.5		1.5	BK.5		
	14	173 / 100	73	1°	55.15	73	1.24	456.3	16	0.8		1.8	BK.5		
	15	992 / 970	22	9°	10.40	22	0.00	445.1	17	9.8		0.0	BK.5		
	16	1226 / 1200	26	12°	347.45	24	6.36	440.5	18	15.0		3.0	TB.		
	17	1233 / 1200	33	12°	340.05	30	17.12	436.2	19	19.3		7.3	B.B		
	18	1140 / 1100	40	11°	327.25	36	17.58	432.8	20	22.1		11.2	S+r.		
	19	1138 / 1100	38	11°	324.09	37	13.48	435.4	21	20.1		9.1	BK.5.		

Add'n'l Inform.

Notes Rod. _____ Platted _____ Job No. 2255 Lee Division No. 10 F.B. 2249 PG. 39

Date _____ Date _____ Survey of Kay Ranch Estates

Notes Clkd. _____ Checked _____ Survey by A.T.E. Notes A.T.E. Date Oct. 1961

Date _____ Map No. _____ Inked C. Johnson Date _____

PSSUMED DATUM

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left	Right
CA4									1		455.5				
	20	1147/1100	47	11.0	315.30	47	− 1.46	443.1	2	− 12.4		− 1.4	BK.S.		
	21	285/200	85	2.0	303.16	77	+ 18.12	478.7	3	+ 23.2		+ 25.2	S.S.		
	22	206/100	106	1.0	265.56	91	+ 22.14	491.7	4	+ 36.2		+ 37.2	S.S.		
	23	373/300	73	3.0	262.55	69	+ 14.08	469.8	5	+ 14.3		+ 17.3	S.S.		
	24	639/600	39	6.0	268.14	39	− 4.30	446.5	6	− 9.0		− 3.0	T.B.		
	25	1236/1200	36	12.0	268.14	35	− 10.32	437.0	7	− 18.5		− 6.5	B.B.		
	26	1228/1200	28	12.0	268.14	27	− 12.50	437.3	8	− 17.2		− 5.2	Str.		
	27	1229/1200	29	12.0	286.19	26	− 17.54	435.8	9	− 19.2		− 7.2	V-Str & D.		
	28	1216/1200	16	12.0	257.57	14	− 18.00	438.8	10	− 16.7		− 4.7	B.D.		
	29			4.3	247.00	4	− 0.00	451.2	11	− 4.3		− 0.0	T.B		
	30	216/200	16	2.0	154.29	16	+ 4.48	454.8	12	+ 0.7		+ 1.3	T.B.		
	31	1222/1200	22	12.0	194.05	22	− 4.14	441.9	13	− 13.6		− 1.6	B.D.		
	32	348/320	28	3.3	205.47	28	− 0.00	452.2	14	− 3.3		− 0.0	T.B		
	33	1235/1200	35	12.0	219.00	35	− 0.54	443.0	15	− 12.5		− 0.5	BB		
	34	1142/1100	42	12.0	238.25	41	− 5.40	439.5	16	− 16.0		− 4.0	Str.		
	35	1161/1100	61	11.0	209.24	61	− 1.06	443.3	17	− 12.2		− 1.2	Str		
	36	358/300	58	3.2	204.32	58	− 0.00	452.3	18	− 3.2		− 0.0	TB		
	37	145/100	45	1.0	178.22	45	+ 3.38	457.3	19	+ 1.8		+ 2.8	TB		
	38	739/700	39	7.4	169.27	39	− 0.00	448.1	20	− 7.4		− 0.0	BD		
	39	936/900	36	9.0	160.38	36	+ 1.22	447.4	21	− 8.1		+ 0.9	BD		

Add'n'l Inform.

ASSUMED DATUM

F.B. 2244 PG. 54

Topography Description Legend:
Side Hill.....S.H.
Side of Draw.S.D.
Side of Ridge.S.R.
Head of Draw H.D.
Bottom Draw.B.D.
Bottom Wash B.W.
Top of Ridge.T.R.
Toe of Slope..T.S.

Inters. of Draws.V.D's
Break in Slope..Bk.S.
Steep Slope.....S.S.
Top of Cliff.....T.Cl.
Bottom of Cliff..B.Cl.
Top of Spur.....T.Sp.
Bottom Canyon..B.Cn.

Side of Canyon S.Cn.
Top of Bank..T.B.
Bottom of Bank.B.B.
Top of Cut.....T.C.
Bottom of Cut..B.C.
Top of Fill.....T.F.
Bottom of Fill.B.F.

Saddle .....Sa.
Swale .....Sw.
Flat .....Fl.
Stream .....Str.
Trail .....Tr.
Pavement ....Pvt.
Edge of Road E.Rd.

Traveled Rd. Tr.Rd.
Fence .....Fn.
Int. Fences.V.Fns.
Ditch .....Di.
Telephone Pole T.P.
Power Pole...P.P.
Culvert .....Cul.

Oak-O. Fir-Fr.
Pine-Pl. Cedar-Oe.
Sycamore .....Sy.
Eucalyptus .....Eu.
Plus combinations of these and all common standard abbreviations.

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station Left Right
CA4					° ′		° ′	450.8	1		4555		FB 2249-39.44
	40	135/100	35	1.0	149.34	35	+ 6.50	458.7	2	+ 3.2		+ 4.2	T.B.
	41	139/100	39	1.0	101.44	39	+ 5.34	458.3	3	+ 2.8		+ 3.8	B.K.S.
	42	193/120	73	1.5	116.06	66	+ 17.16	583.3	4	+ 27.8		+ 20.3	T.Sp.
	43	533/440	93	4.9	99.07	77	+ 24.10	584.3	5	+ 29.8		+ 34.7	S.H.
	44	279/200	79	2.0	124.50	75	+ 13.02	470.9	6	+ 15.4		+ 17.4	T.B.
	45	785/700	85	13.2	128.46	80	+ 14.10	462.5	7	+ 7.0		+ 20.2	B. upper falls
	46	do	85	13.0	136.12	80	+ 14.10	462.5	8	+ 7.0		+ 20.2	" " "
	47	867/800	62	13.2	135.25	58	+ 15.22	458.1	9	+ 2.6		+ 15.8	T Lower falls
	48	do	62	13.2	142.44	58	+ 15.22	458.1	10	+ 2.6		+ 15.8	" " "
	49	659/600	59	12.2	145.25	57	+ 10.10	453.4	11	− 2.1		+ 10.3	B Lower falls
	50	do	59	12.2	139.30	57	+ 10.10	453.4	12	− 2.1		+ 10.3	" " "
	51	490/400	90	4.0	125.01	85	+ 16.28	475.9	13	+ 20.4		+ 24.4	T upper falls
	52	190/100	90	1.0	127.17	85	+ 13.02	474.3	14	+ 18.8		+ 19.8	" " "
	53	393/300	93	3.0	128.32	87	+ 14.36	475.2	15	+ 19.7		+ 22.7	" " "
	54	184/100	84	1.0	141.44	79	+ 13.58	474.2	16	+ 18.7		+ 19.7	TB
	55	184/100	84	1.0	161.24	78	+ 15.54	475.6	17	+ 20.1		+ 22.1	T.Sp.
	56	287/200	87	2.0	175.59	83	+ 13.00	472.6	18	+ 17.1		+ 19.1	S.H.
	57	461/360	101	3.6	186.32	98	+ 9.36	468.5	19	+ 13.0		+ 16.6	T.B.
	58	1200/1100	100	11.0	196.53	100	− 1.28	441.9	20	− 13.6		− 2.6	BB-Str.
	59	1101/1000	101	11.0	201.25	101	+ 1.45	447.6	21	− 7.9		+ 3.1	BB

Add'n'l Inform.

ASSUMED DATUM

Notes Red. ____ Platted ____ Job No. 0054.00 Division No. 10 F.B. 2249 PG. 55
Date ____ Date ____ Survey of Mitchell Gas Date Dec 56.
Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Oak-O. Fir-Fr. Pine-Pi. Cedar-Ce. Sycamore ....Sy. Eucalyptus ....Eu. Plus combinations of these and all common standard abbreviations.

Traveled Rd. Tr. Rd. Fence ....Fn. Int. Fences. V. Fns. Ditch ....Di. Telephone Pole T.P. Power Pole....P.P. Culvert ....Cul.

Saddle ....Sa. Swale ....Sw. Flat ....Fl. Stream ....Str. Trail ....Tr. Pavement ....Pvt. Edge of Road E.Rd.

Side of Canyon S.Cn. Top of Bank....T.B. Bottom of Bank. B.B. Top of Cut....T.C. Bottom of Cut....B.C. Top of Fill....T.F. Bottom of Fill B.F.

Inters. of Draws. V.D's Break in Slope..Bk.S. Steep Slope.....S.S. Top of Cliff....T.Cl. Bottom of Cliff..B.Cl. Top of Spur....T.Sp. Bottom Canyon..B.Cn.

Topography Description Legend:
Side Hill.....S.H.
Side of Draw. S.D.
Side of Ridge. S.R.
Head of Draw H.D.
Bottom Draw. B.D.
Bottom Wash B.W.
Top of Ridge. T.R.
Toe of Slope..T.S.

F.B. 2249 Pg. 43

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left	Right
					° '		° '								
CM4				—				450.8	4.2		455.0		FB 2249-38, 44		
	60	341 / 240	101	2.9	204 09	101	0 00	442.6		2.9		0.0	TB		
	61	211 / 100	111	1.0	214 13	111	+ 2 56	450.2		+ 4.7		+ 5.2	S. H.		
	62	244 / 100	144	1.4	229 42	136	+ 13 12	486.5		+ 31.0		+ 32.0	S.H.		
	63	183 / 050	133	1.1	141 14	105	+ 27 22	508.7		+ 53.2		+ 54.2	T Sp.		
	64	1200 / 1100	100	11.0	122 00	89	+ 19 58	476.4		+ 21.1		+ 32.1	S.H.		
	65	375 / 270	105	2.2	110 49	84	+ 36 24	494.3		+ 38.9		+ 41.5	T.Sp.		
CM11				—				358.2	5.0		363.2		FB 2249-38, 44 Error.		
	CM+1	569 / 400	169	4.0	0 00	164	+ 9 02	385.7		+ 22.5		+ 26.5	FB 2249-38.		
	+1	660 / 540	120	5.8	349 11	116	+ 10 09	378.2		+ 15.0		+ 20.0	B.D		
	2	213 / 100	113	1.0	336 01	100	+ 19 46	373.2		+ 35.1		+ 36.1	T.Sp		
	3	350 / 240	110	3.0	350 31	103	+ 9 43	366.0		+ 12.8		+ 13.8	BD - Top of Hill		
	4	609 / 500	109	5.0	350 51	106	+ 9 14	363.5		+ 10.3		+ 10.3	B.D. "		
	5	298 / 200	98	2.0	343 16	91	+ 15 36	386.7		+ 23.5		+ 25.5	T.Sp.		
	6	449 / 350	99	4.0	353 51	97	+ 7 19	371.6		+ 8.4		+ 12.4	BD		
	7	120 / 020	100	0.6	357 28	98	+ 7 16	375.0		+ 11.8		+ 12.4	BK. S.		
	8	143 / 060	83	1.0	355 36	82	+ 6 12	371.1		+ 7.9		+ 8.9	TB - BK. S.		
	9	585 / 500	85	5.0	359 18	84	+ 5 20	366.1		+ 2.9		+ 7.1	BD		
	10	208 / 200	88	2.0	03 26	88	+ 4 50	368.6		+ 5.4		+ 7.9	BK. S.		
	11	119 / 030	89	1.0	11 59	89	+ 4 02	368.0		+ 5.3		+ 6.3	TB		
	12	138 / 050	88	1.0	13 36	88	+ 2 10	365.5		+ 2.3		+ 3.3	B.B.		

Add'n'l Inform.

Error

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station Left Right
Call					° ′		° ′		1				
				—	° ′		− ° ′	358.2	5.0	− —	363.2	− —	F.B. 2249-38, 44
	13	138 / 050	88	1.0	18.47	88	− 0.29	361.5	2	− 1.7		− 0.7	Str.
	14	281 / 200	81	2.4	26.00	81	− 0.00	360.8	3	− 2.4		− 0.0	B.Cl.
	15	281 / 200	81	0.0	26.00	78	+ 10.04	377.1	4	+ 13.9		+ 13.9	T.Cl.
	16	708 / 600	108	6.0	38.23	90	+ 24.12	397.7	5	+ 34.5		+ 40.5	S.S.
	17	133 / 060	73	1.0	5.08	73	+ 4.20	362.9	6	− 0.3		+ 5.5	T.B.
	18	171 / 100	71	1.0	8.12	71	+ 0.50	363.4	7	+ 0.2		+ 1.2	B.B.
	19	515 / 450	65	4.8	21.55	65	− 0.00	358.4	8	− 4.8		− 0.0	V-Str. D.
	20	389 / 320	69	3.5	25.45	69	− 0.00	359.2	9	− 3.5		− 0.0	B.Cl.
	21	291 / 200	91	2.0	71.00	58	+ 36.52	404.7	10	+ 41.5		+ 43.5	S.S.
	22	093 / 050	43	0.0	31.02	43	+ 1.04	363.3	11	+ 0.1		− 0.8	T.B.
	23	604 / 560	44	5.8	29.02	44	− 0.00	357.4	12	− 5.8		− 0.0	B.B.
	24	611 / 570	41	5.9	12.38	41	− 0.00	357.3	13	− 5.9		− 0.0	Str.
	25	211 / 160	51	1.8	352.14	51	− 0.00	361.4	14	− 1.8		− 0.0	B.B.
	26	213 / 160	53	1.6	346.53	53	+ 5.24	366.9	15	+ 3.7		+ 5.3	T.B.
	27	659 / 600	59	6.0	338.57	57	+ 9.40	367.0	16	+ 3.8		+ 9.8	BK.S.
	28	214 / 100	114	1.0	307.37	96	+ 23.24	403.8	17	+ 40.6		+ 41.6	S.H.
	29	251 / 140	111	2.0	284.45	88	+ 26.54	405.8	18	+ 42.6		+ 44.6	S.H.
	30	118 / 050	68	0.8	290.41	63	+ 15.08	479.5	19	+ 16.3		+ 17.1	BK.S.
	31	107 / 080	27	1.0	286.17	27	− 0.00	362.2	20	− 1.0		− 0.0	T.B.
	32	1160 / 1140	20	11.5	279.43	20	− 0.00	351.7	21	− 11.5		− 0.0	B.B.

Add'n'l Inform.

ASSUMED DATUM

Notes Red. ____ Platted ____ Job No. 0054.00 Division No. 10 F.B. 2249 Pg. 57
Date ____ Date ____ Survey of Lux Harbor Atlantic
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date Dec 30
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

F.B. 2249 Pg. 58

Topography Description Legend:
Hill...S.H. | Bottom Draw...B.D. | Bottom Wash...B.W. | Top of Ridge...T.R. | Toe of Slope...T.S.
Side of Draw...S.D. | Side of Ridge...S.R. | Head of Draw...H.D.
Inters. of Draw...V.D's | Break in Slope...Bk.S. | Steep Slope...S.S. | Top of Cliff...T.Cl. | Bottom of Cliff...B.Cl. | Top of Spur...T.Sp. | Bottom Canyon...B.Cn.
Side of Canyon...S.Cn. | Top of Bank...T.B. | Bottom of Bank...B.B. | Top of Cut...T.C. | Bottom of Cut...B.C. | Top of Fill...T.F. | Bottom of Fill...B.F.
Saddle.....Sa. | Swale.....Sw. | Flat.....Fl. | Stream.....Str. | Trail.....Tr. | Pavement.....Pvt. | Edge of Road...E.Rd.
Traveled Rd...Tr.Rd. | Fence.....Fn. | Int. Fences...V.Fn. | Ditch.....Di. | Telephone Pole...T.P. | Power Pole...P.P. | Culvert.....Cul.
Oak-O. | Pine-Pi. | Sycamore.....Sy. | Eucalyptus.....Eu. | Plus combinations of these and all common standard abbreviations.
Fir-Fr. | Cedar-Ce.

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ Vertical Angle —	Elevation of Point	+ Back Sight	+ Difference Elevation —	Height of Instrument	+ Vertical Distance —	REMARKS Station	Left	Right
					° '		° '								
Bm 11				—	0 . 0		0 0	358.2	5.0	—	363.2	—			
	33	1205 / 1190	15	12	274 54	15	0 0	351.2		12.1		0.0	Str		
	34	1200 / 1190	10	11.8	274 52	10	0 00	351.2		11.8		0.0	B.S.		
	35			6.2	269 10	6	0 00	357.0		6.2		0.0	TB - Fl.		
	36			5.7	74 50	11	0 00	357.5		5.7		0.0	TB - Fl.		
	37	114 / 080	32	0.9	93 50	25	+ 28 00	375.6		12.8		+ 13.3	E. Tr.		
	38	343 / 300	43	5.0	92 36	33	+ 20 41	378.3		11.3		+ 14.3	E. Tr. - BB		
	39	341 / 280	61	3.0	93 30	45	+ 31 02	387.3		24.1		+ 27.1	TB		
	40	300 / 200	100	2.0	94 14	68	+ 34 16	407.2		+ 41.2		+ 46.2	L.H.		
	41	111 / 070	41	0.7	35 12	41	+ 04 24	365.2		2.2		+ 5.1	ET - End Fr - TB		
	42	637 / 600	37	6.0	91 40	33	+ 19 22	368.2		5.7		+ 11.7	" " " " "		
	43	411 / 390	21	4.0	21 57	21	2 20	365.2		4.9		0.0	On the Sl.		
	44	668 / 530	68	6.0	127 30	94	+ 21 00	377.2		+ 15.1		+ 22.9	E. Tr.		
	45	452 / 400	57	4.9	129 25	50	+ 20 34	381.2		+ 18.2		+ 18.2	E. Tr.		
	46	981 / 940	41	7.2	167 41	41	0 00	353.0		1.2		0.0	T.S. - Fl.		
	47	1205 / 1160	43	11.8	185 09	43	0 00	351.2		11.8		0.0	TB - Fl.		
	48	946 / 920	26	9.4	200 50	26	0 00	353.8		9.4		0.0	" "		
	49	646 / 600	46	6.0	188 50	41	+ 12 26	349.0		14.3		+ 9.2	B.B.		
	50	650 / 600	50	6.0	187 28	48	+ 11 20	347.3		13.7		+ 9.7	S.L.		
	51	652 / 600	52	6.0	202 27	50	+ 9 20	348.9		14.3		+ 8.3	B.S.		
	52	622 / 570	52	5.9	205 52	52	0 00	357.3		5.2		0.0	T.B		

Add'l Inform.

Left Turn

Passed

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station Left Right
Call					° ′		° ′		1				
				—	° ′		− ° ′	358.2	5.0	− —	363.2	− —	FB 2249 – 38.44
	53	564 / 510	54	5.3	210.30	54	− 0.00	357.9	2	− 5.3		− 0.0	BK.S
	54	127 / 070	57	1.0	214.42	57	+ 1.02	363.3	3	+ 0.1		+ 1.1	BKS
	55	257 / 190	42	2.1	237.40	42	− 0.00	361.1	4	− 2.1		− 0.0	BK.S
	56	100 / 030	70	0.6	233.42	69	+ 5.36	369.4	5	+ 6.2		+ 6.8	BK.S
	57	201 / 100	101	1.0	250.06	91	+ 18.42	392.9	6	+ 29.7		+ 30.7	BK.S.
	58	1054 / 900	104	9.0	242.06	98	+ 13.10	377.2	7	+ 14.0		+ 23.0	B.D.
	59	553 / 430	123	5.0	230.46	110	+ 19.08	396.2	8	+ 33.0		+ 38.1	T.Sp.
	60	679 / 600	79	6.0	229.05	78	+ 6.50	366.6	9	+ 3.4		+ 9.4	B.D
	61	200 / 100	100	1.0	223.27	95	+ 12.40	383.6	10	+ 20.4		+ 21.4	B.K.S.
	62	833 / 770	63	8.0	210.38	63	− 0.00	355.2	11	− 8.0		− 0.0	BD=BB
	63	276 / 210	66	2.4	209.22	66	− 0.00	360.8	12	− 2.4		− 0.0	TB
	64	792 / 720	72	7.3	219.58	72	+ 3.52	360.7	13	− 2.5		+ 4.8	BB=BD
	65	562 / 490	72	5.0	219.17	71	+ 4.40	364.0	14	+ 0.8		+ 5.8	TB=BK.S.
	66	1197 / 1140	57	11.7	199.02	57	− 2.22	349.2	15	− 14.0		− 2.3	BD=BB
	67	611 / 550	61	5.7	198.45	61	− 0.00	357.5	16	− 5.7		− 0.0	TB
	68	656 / 600	56	6.0	189.50	54	− 10.35	347.1	17	− 16.1		− 10.1	V=Str. & D.
	69	652 / 600	52	12.0	184.12	52	− 4.14	347.4	18	− 15.8		− 3.8	BB
	70	1151 / 1100	51	12.0	178.22	51	− 0.00	351.2	19	− 12.0		− 0.0	TB
	71	1198 / 1100	98	11.5	178.50	98	− 0.36	350.6	20	− 12.6		− 1.1	TB
	72	1198 / 1100	98	11.5	178.28	97	− 4.16	344.4	21	− 18.8		− 7.3	BB

Add'n'l Inform.

ASSUMED DATUM

Notes Red. ____ Platted ____ Job No. 005400 Division No. 10 F.B 2249 PG. 59
Date ____ Date ____ Survey of [illegible]
Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date [illegible]
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station Left Right
Cail					° '		° '	358.2	5.0	—	363.2	—	102249-38,44
	73	1142 / 1100	92	11.0	176.14	91	6.10	342.4	20.8	—	9.8		Str.
	74	1088 / 1000	88	12.0	165.27	87	5.08	343.3	19.8	—	7.9		B.S.
	75	1187 / 1100	87	11.5	161.38	87	1.28	349.5	13.7	—	2.2		S.S.
	76	1096 / 960	136	10.3	164.45	135	6.36	333.3	25.7	—	15.6		Str.

Add'n'l Inform.

ASSUMED DATUM

F.B. 2249 PG. 60

Topography Description Legend:
Side Hill.....S.H. Bottom Draw.B.D.
Side of Draw.S.D. Bottom Wash.B.W.
Side of Ridge.S.R. Top of Ridge.T.R.
Head of Draw H.D. Toe of Slope..T.S.

Inters. of Draws.V.D's Break in Slope..Bk.S. Steep Slope.....S.S. Top of Cliff.....T.Cl. Bottom of Cliff..B.Cl. Top of Spur.....T.Sp. Bottom Canyon..B.Cn.

Side of Canyon S.Cn. Top of Bank..T.B. Bottom of Bank.B.B. Top of Cut.....T.C. Bottom of Cut..B.C. Top of Fill.....T.F. Bottom of Fill.B.F.

Saddle .....Sa. Swale .....Sw. Flat .....Fl. Stream .....Str. Trail .....Tr. Pavement ....Pvt. Edge of Road E.Rd.

Traveled Rd. Tr.Rd. Fence .....Fn. Int. Fences.V.Fns. Ditch .....Dl. Telephone Pole.T.P. Power Pole....P.P. Culvert .....Cul.

Oak-O. Fir-Fr. Pine-Pi. Cedar-Ce. Sycamore .....Sy. Eucalyptus .....Eu. Plus combinations of these and all common standard abbreviations.

Notes Ck'd by Goss	Survey of Lux Arboretum	F. B 2249 Pg. 62
Map No.	JN 0054.00 Tape 122 Std BK °F	
Office Work	Surveyed by R.T. Mitchell	
Checked	Notes Mitchell Date 1/57	
Date	Indexed G. C. Johnson 3-12-57	

SURVEY OF

W LINE ~ PAR. 1
R.S. 58-14

FOR

LUX ARBORETUM

JN 0054.00

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

Do not extend this side of this line.

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

Mitchell, R.J.
Smiley, L.C.
Hew, C.Y.F.
Henderson, J.E.
Goss, C.R.

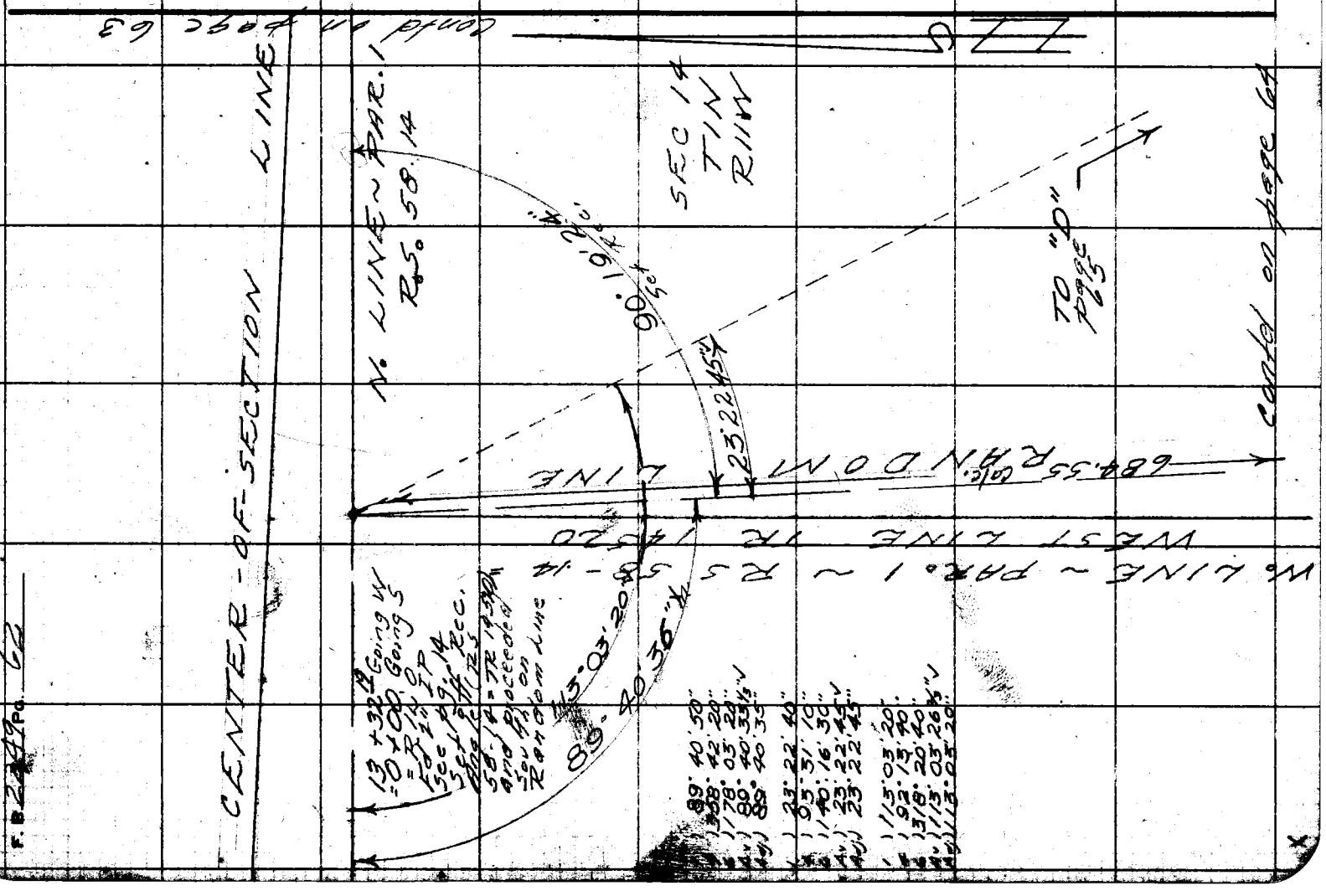
Jan. 1957

76F3095 SEE #247 1-56

PLEASE 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.

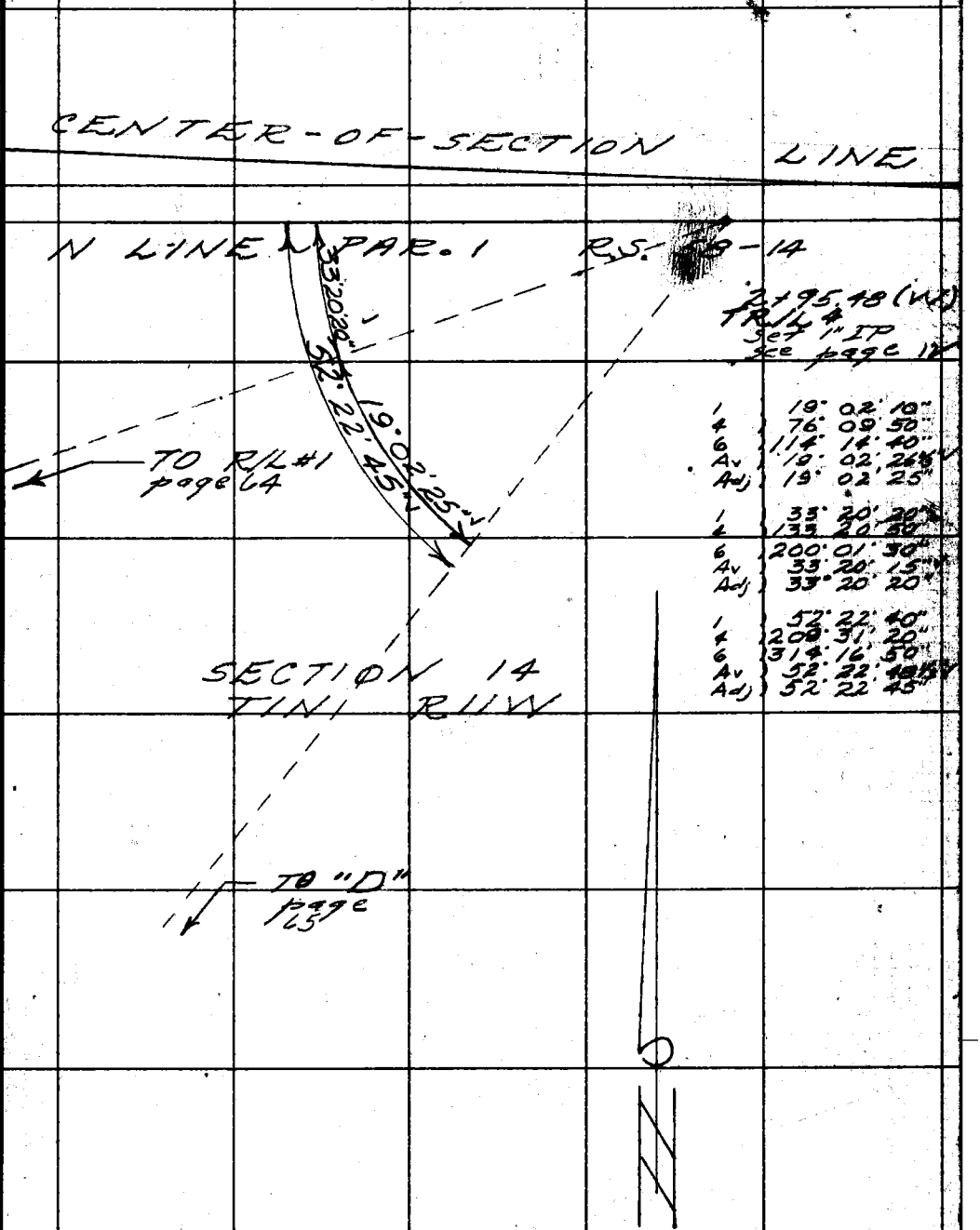
Do not extend this side of this line.



F. B. 2419 Pg. 62

Notes Ck'd by GOSS	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 1/57
Date	Indexed E. Goss C. Johnson

F. B. 2249 Pg. 63



2+95.48 (W)
TR/L 4
Set 1" IP
see page 12

1	19° 02' 10"
4	76° 09' 50"
6	114° 14' 40"
Av	19° 02' 26½"
Adj	19° 02' 25"
1	33° 20' 20"
4	133° 20' 50"
6	200° 01' 30"
Av	33° 20' 15"
Adj	33° 20' 20"
1	52° 22' 40"
4	209° 31' 20"
6	314° 16' 50"
Av	52° 22' 48½"
Adj	52° 22' 45"

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

F. B. 2249 Pg. 64

~~Contd from pg~~

contd from pg. 62

6+84.55 (S)
R/L 1
Set 1x2 En on
crest of ridge

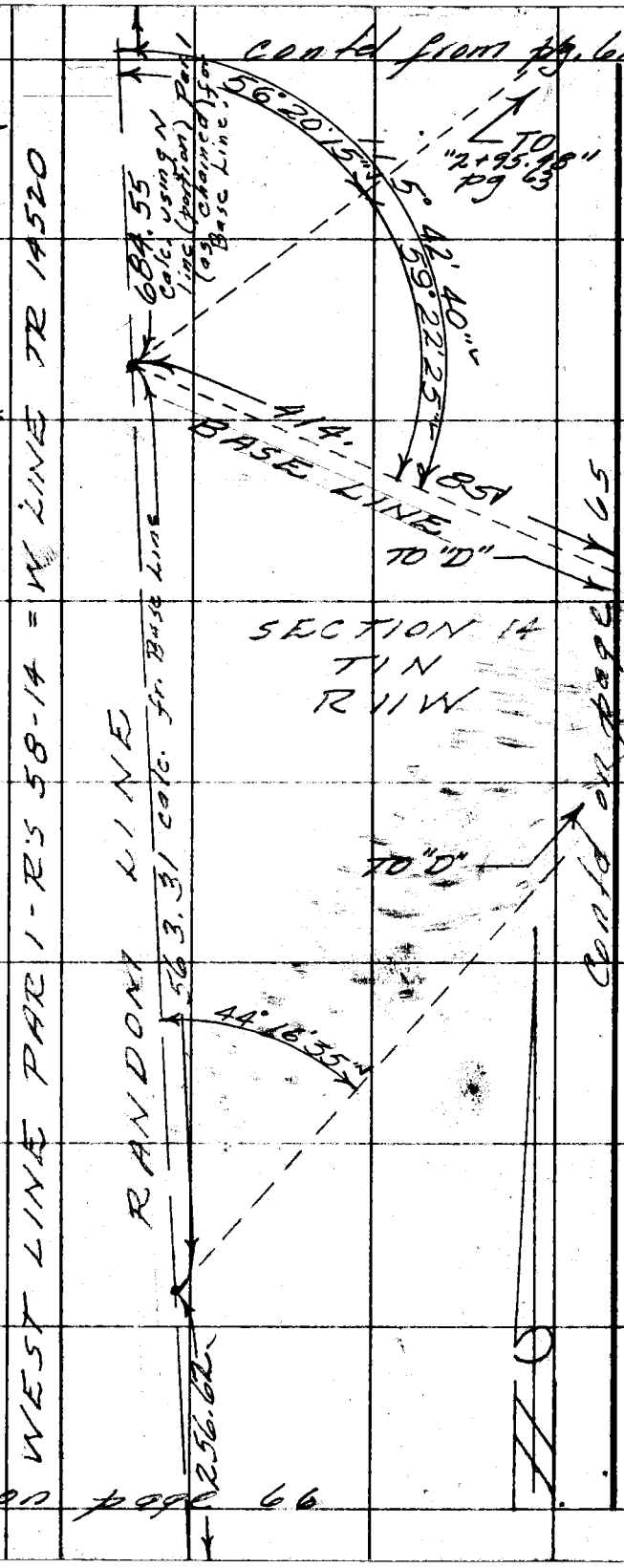
1) 56° 20' 10"
4) 225° 20' 50"
6) 338° 01' 20"
Av.) 56° 20' 13⅓" ✓
Adj.) 56° 20' 15"

1) 59° 22' 00"
4) 237° 29' 30"
6) 356° 14' 20"
Av.) 59° 22' 23⅓" ✓
Adj.) 59° 22' 25"

1) 115° 42' 30"
4) 102° 50' 30"
6) 334° 16' 00"
Av.) 115° 42' 40" ✓
Adj.)

1) 44° 16' 20"
4) 177° 05' 50"
6) 265° 39' 10"
Av.) 44° 16' 31⅔" ✓
Adj.) 44° 16' 35"

12+47.86
R/L 2
Set 1x2 En
on bldg. site



contd on page 66

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

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

Survey of Lux Ranch Cyn
JN 00 54 02 Tape 172 Std 84 °F
Surveyed by R.J. Mitchell
Notes RJM 12 CRG Date 1/67
Indexed C. Johnson

F. B. 2249 Pg. 65

TO R/L 4
2795 ft (W)
page 63

TO R/L 0
NW COR PAR 1
page 62

SEC. 14
T 1N
R 11W

TO R/L 1
page 64

R/L 3

60° 40' 35"

40° 54' 35"

180.55'

71° 25' 55"

186° 58' 55"

STA "D"
Set 1x2 tin
at E'ly end
of base line
@ PT Crv. of
R/L 1 & R/L 2

1)	60° 40' 30"	
4)	242° 42' 00"	
6)	04° 03' 10"	
Av)	60° 40' 31½"	
Adj)	60° 40' 35"	
1)	40° 54' 10"	
4)	163° 38' 00"	
6)	245° 27' 00"	
Av)	40° 54' 30"	
Adj)	40° 54' 35"	
1)	71° 25' 30"	
4)	285° 43' 20"	
6)	68° 34' 50"	
Av)	71° 25' 40½"	
Adj)	71° 25' 55"	
1)	186° 58' 30"	
4)	27° 55' 20"	
6)	41° 53' 00"	
Av)	186° 58' 50"	
Adj)	186° 58' 55"	

1) 44.22 @ 12°32' (T=78) = 43.17
2) 44.45 " 13°46' " = 43.17
Avg = 43.17

1) 297.27 @ 05°28' (T=78) = 295.93
2) 297.06 " 04°54' " = 295.93
Avg = 295.93

1) 76.48 @ 07°51' (T=78) = 75.76
2) 76.75 " 08°10' " = 75.77
Avg = 75.76
Total = 414.86

Note: 1x2 & n set at #11 points.

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
700 Los Angeles County Engineering Bldg.

TO R/L 2
page 64

76F3095 SAE #247 1-56

F. B. 2249 Pg. 66

SEC 14
T1N - R11W

contd from page 64

1) 261.97 @ 11°36' (T=84°) = 256.62 ✓
2) 261.65 @ 11°15' (") = 256.62 ✓
Avg = 256.62 ✓

1) 20.36 @ 23°14' (T=88°) = 18.71 ✓
2) 22.32 @ 33°08' " = 18.69 ✓
Avg = 18.70 ✓

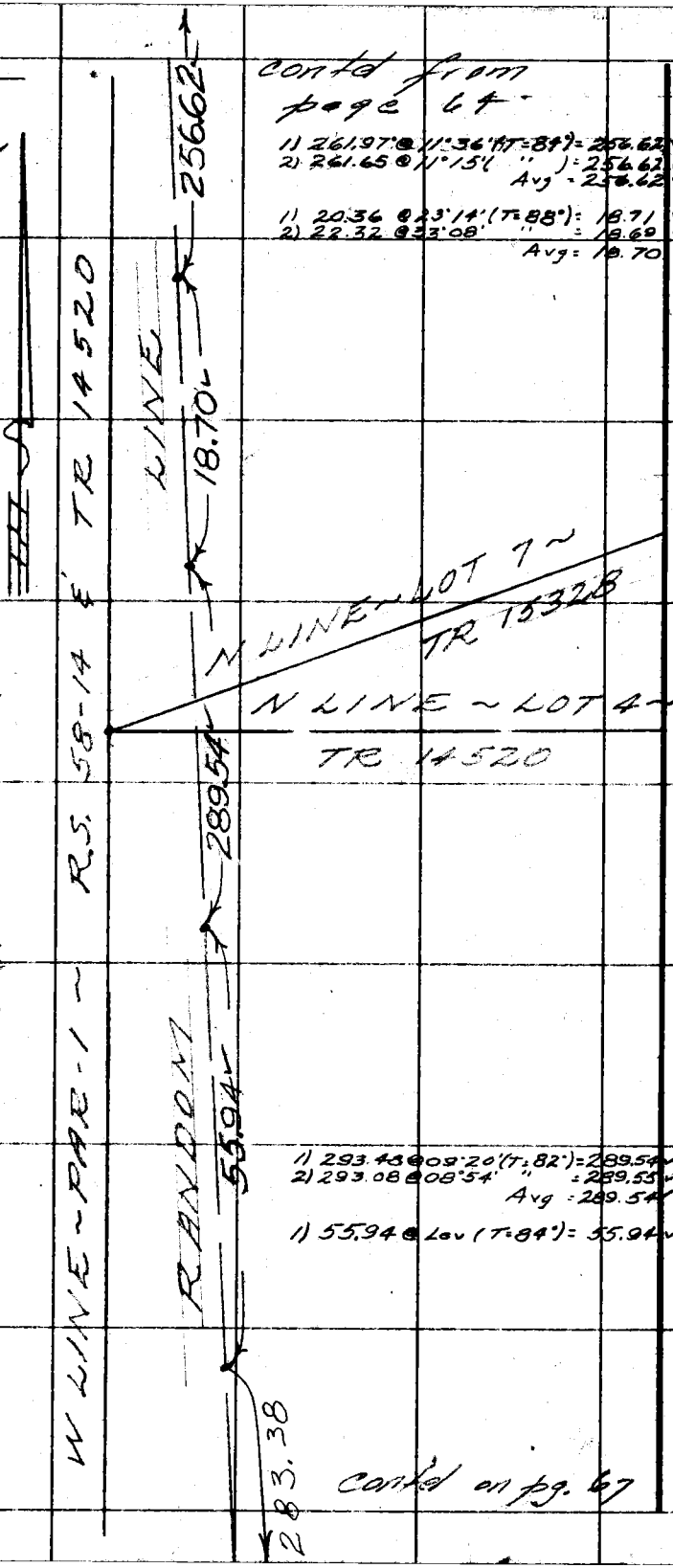
R/L-3
Set 1x2 E'n top small spur

R/L-4
Set 1x2 E'n on side slope

No search for NW Cor TR 15328 = NW Cor Lot 4, TR 14520 Falls on steep side hill ~ owner to SE requested party to refrain from search if possible because of errosion hazard.

R/L-5
Set pencil mk. at ctr. of Conc. Block Wall on N side of newly planted lawn of No. No. 1090

R/L-6
Set pencil mk at ctr of conc. blk wall on S side of new lawn.



1) 293.48 @ 09°20' (T=82°) = 289.54 ✓
2) 293.08 @ 08°54' " = 289.55 ✓
Avg = 289.54 ✓

1) 55.94 @ Lev (T=84°) = 55.94 ✓

contd on pg. 67

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

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

Survey of Lux Arboretum
N 00° 54' 00" Tape 122 Std. 62 °F
Surveyed by R.T. Mitchell
Notes R.T. MECRG Date 1/57
Indexed C. Johnson

F. B 2249 Pg. 67

cont'd from page 66

N LINE
LOT 5 - TR 15328

20+28.22
NW Cor Lot 5
TR 15328
Fd 4" IP cem't'd
Tg & TL (RE 1510)
per TR. Map.
1) 08° 39' 20"
2) 17° 18' 20"
4) 34° 36' 40"
Avg 08° 39' 10" V

1) 295.75 @ 16° 38' (T=8.2') = 283.38 V
2) 295.59 " 16° 31' " = 283.39 V
Avg = 283.38 V

8.84 calc.
12.25 m. calc. 123.82

38
8-39-10
283.38

1) 127.89 @ 11° 40' (T=82') = 125.25 V
2) 128.29 " 12° 00' " = 125.24
Avg = 125.25

1) 192.28 @ 8° 52' (T=80') = 189.00 V
2) 191.71 @ 7° 13' " = 189.97 V
Avg = 189.97 V

2+52.04
R/L 7
Set 1x2 s/n

SEC 14
T 1 N
R 11 W

PAR. 1 - R.S. 58-14

1899 TP
N LINE

1) 50.19 @ 14° 28' (T=80') = 49.60 V
2) 49.73 @ 12° 11' " = 49.61 V
Avg = 49.60 V

Fd 2" IP, cem't'd
Tg & TL (RE 4408)
per TR 15328

calc. 24.55

Made search for 2" IP
Fd Nothing - TR 15328

26°-19'-00" V
48.60 m. V

1) 26° 18' 50"
2) 52° 37' 50"
4) 105° 16' 00"
Avg 26° 19' 00" V

1) 44.54 @ 12° 35' (T=76') = 43.28
2) 44.00 @ 13° 00' " = 43.27
Avg = 43.27

LOT 5 LOT 15

Fd 2" IP, cem't'd
Tg & TL (RE 1510)
No Ref.

29°-59'-00" V
43.27 m.

1) 29° 59' 00"
2) 59° 57' 40"
4) 119° 56' 00"
Avg 29° 59' 00" V

2+42.01
R/L 8
Set 1x2 s/n at
N. edge Bldg
S. ft.

1) 34° 10' 10"
2) 68° 21' 00"
4) 136° 41' 30"
Avg 34° 10' 27½" V

34°-10'-30" V
89.30 V
89.30 @ Lev (T=80') = 89.30 V

Fd 2x2 s/n
No Ref
(Top of 3 ft. High
Cut Bank)

23.69

W LINE TR 14520

W LINE LOTS 15 & 16
TR 15328

140.11

cont'd from page 69

W LINE
RANDOM

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
700 Los Angeles County Engineering Bldg.

70F3095 SAE #247 1-56

F. B. 2249 PG. 68

R/L-9
Set 1x2 & n

Fd 2" IP, cem pl.
Tg & tk

VOID

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

Do not extend this side of this line.

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

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

Survey of Lux Arboretum
JN 005410 Tape 122 Std 62 °F
Surveyed by Mitchell
Notes M.H. 118 Gone 1/57
Indexed C. Johnson

F. B 2249 PG. 69

W.S. 45-D-3

Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend this side of this line.

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

cont'd from pg 67

1) 34° 10' 10"
2) 68° 21' 00"
3) 136° 41' 50"
4) 34° 10' 27½" V
Adj)

1) 89° 51' 20"
4) 359° 26' 40"
6) 179° 09' 40"
Av) 89° 51' 36½" V

1) 141.01 @ 03° 19' (T=80°) = 140.77 V
2) 140.92 @ 02° 31' " = 140.78 V
Avg = 140.77 V

1) 122.52 @ 02° 05' (T=58°) = 122.42 V
2) 122.69 @ 03° 24' " = 122.44 V
Avg = 122.43 V

42.18 @ Lev (T = 72°) = 42.18 V

PAR 1 R=2358.14
= W. LINE TR 14320
= W. LINE TR 15328
140.77

R/W 9 Set 1x2 f/m

SEC 14
T1N
R11W
34° 10' 30" V

Fd 1x2 f/m No Ref

LOT 1
7.78
6.22
23.69
122.43

Fd 2" IP cem f.l. T.J. E.Tk (RE 4.10) thin iscribed "LS 6666" per RS 66-23 TR 15328

Fd 2" IP cem f.l. T.J. E.Tk (RE 5.10) top 0.3 ft. in. cut 6 ft. L

Fd Nothing SW Cor Lot 16 Tr. 15328

W. LINE GOLD HILL RD

89°

TO SEC COR 13, 14, 23, 24 page 91

0.12

15.96 (R)

6.37 (R)

24.46

6.88

16.22 (R)

Fd 2" IP, d.i.t.h.g. E. of & 8 ft. ~ SW Cor Par 1 RS 58-14 = SW Cor TR 14320 = SW Cor "Clara Baldwin Stocker" per Co. of M.W. Parcel Tract ~ This pt. has same objects & dist. etc. as IP at NW Cor Par. 1 See also page 80

TO SEC. COR 13, 14, 23, 24 page 75

Set nail in Mag. disc by Int.

Set 1x2 f/m 7 ft. off line to West

7 FT OFFSET LINE

(Fd Nothing ~ RS-66-23 TR. 15328)

76F3095 SAE #247 1-56

Notes Ck'd by GOSS	Survey of Lux Arboretum	F. B 2247 PG. 77
Map No.	JN 0054.00 Tape 122 Std. 89° F	
Office Work	Surveyed by Mitchell	
Checked	Notes RJM ECRG Date 1/57	
Date	Indexed K. C. Johnson	

SURVEY OF

S. LINE ~ SECTION 14
T1N ~ R11W

FOR

LUX ARBORETUM

JN 0054.00

RJ Mitchell
L.C. Smiley
C.Y. F. Hew
J.E. Henderson
C.R. Goss

Jan. 1957

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
700 Los Angeles County Engineering Bldg.

76F3098 SAE 1247 1-56

F. B. 2249 Pg. 72

NOTES

1. There appears to be a general agreement that the Iron Pin on the E side on Canyon Blvd is a perpetuation of the SE Corner of Section 14 ~ I set a C.S. Mon over this point without disturbing the Pin.
2. The distance ~~shown~~ calc. from The Gold Hill Park. Tract from this point W to the NW Cor Lot 6, ib. is ½ the total dist. (calc.) from SE Cor Sec 14 to SW Cor Sec 14 per same and is in substantial agreement with the measured distance.
3. The distance from said NW Cor Lot 6 (going W) to the SW Cor of the Section, as measured, shows a material discrepancy with the record (Gold Hill Pk Tr.)
4. The C.S. Mon at the SW Cor Sec 14 was shown, in 1926, to replace the then accepted 3x4 stk and to be the true corner. The point called for by Gold Hill Pk. Tr. is also a 3x4 stk. The C.S. Mon, has, since it was set, been accepted by competent surveyors as the correct corner.
5. No record, available to the field party, indicates any search for the true ½ corner (S) as set by Dep. C.S. Surveyor "W. P. Reynolds, CS 9250. However a comparison of Dep. Reynolds "calls" with ground topog. fails to indicate any point of real similarity and development of the area makes a search appear unwarranted. It is certain, tho, that ~~the accepted~~ were the SE Cor and the

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

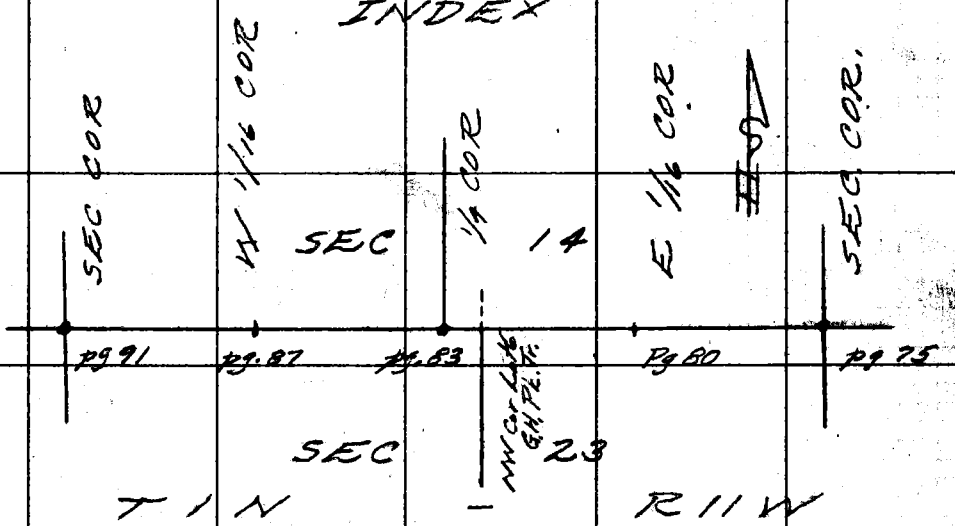
Notes Ck'd by GOSS	Survey of Lux Arboretum	F. B 2249 Pg. 73
Map No.	JN 0054.00 Tape 1W Std 84 °F	
Office Work	Surveyed by Mitchell	
Checked	Notes RJ, MECRG Date 1/57	
Date	Indexed C. Johnson	

Gold Hill Pk Tr. 1/4 Cor (NW Cor Lot 6) held to and produced no better fit would result.

6. As a result of the foregoing observations I feel that the S 1/4 COR of Sec. 14 should be set on line and midway between the accepted Sec Cors, that the 2" IP set by Surveyor Wilmott and found in substantial conformity with his record (RS 58-19) be accepted as the E 1/16 Cor and that the W 1/16 Cor be set midway between the 1/4 Cor as set above and the SW Sec. Cor.

7. See "Note 4" above. After a diligent search I find no other 3x4 stk in the vecinity of the C.S. Mon or at the projected location per G.H. Pk. Tr. (SW COR SEC 14)

INDEX

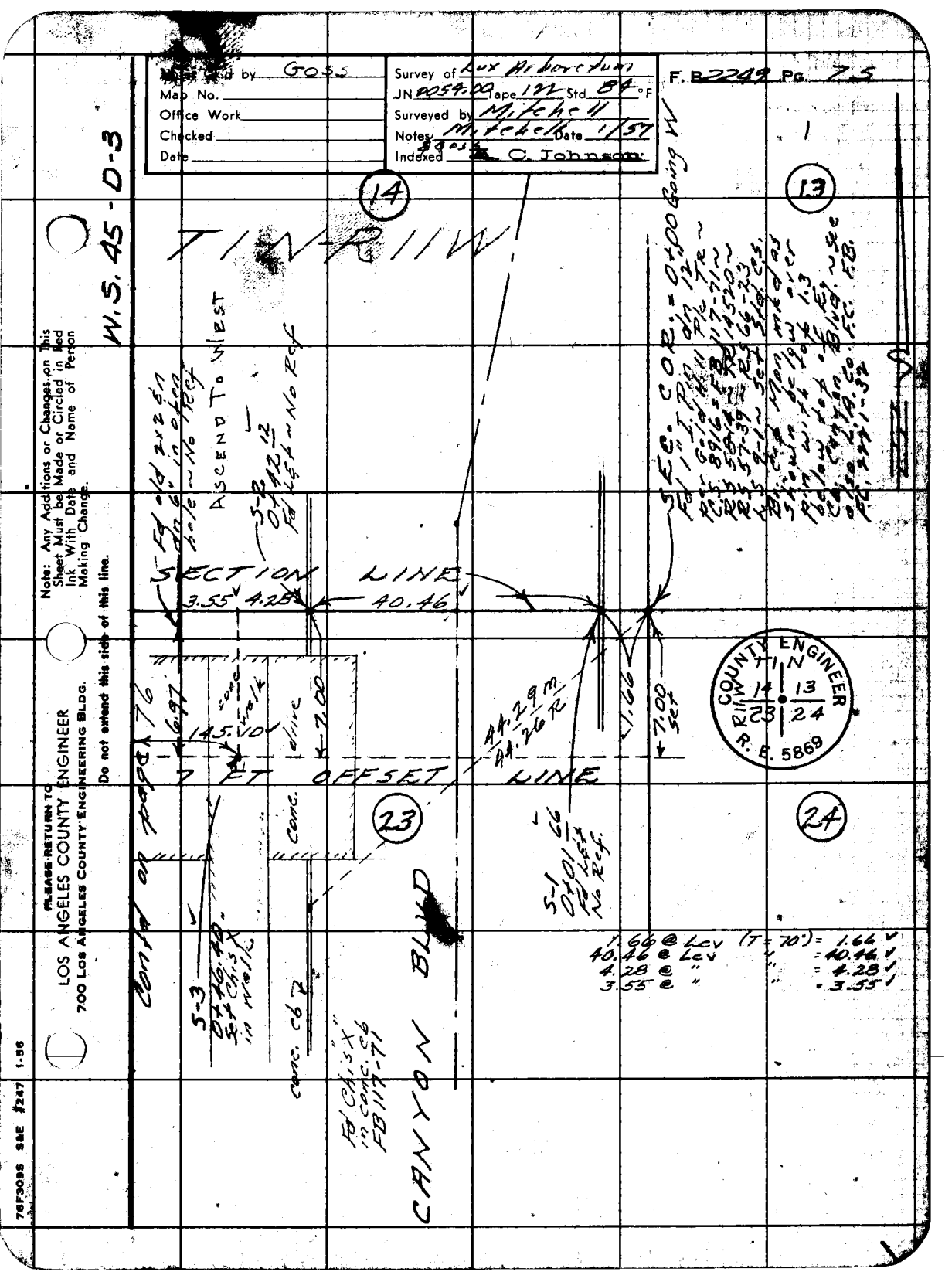


Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

76F309S S&E #247 1-56



Notes Cmd by GOSS
Map No.
Office Work
Checked
Date
Survey of Lux Arboretum
JN 0054.00 Tape 122 Std 84 °F
Surveyed by Mitchell
Notes Mitchell Date 1/57
Indexed GOSS C. Johnson
F. B. 2249 Pg. 75
W.S. 45-D-3
14
13
TIN-R11W
ASCEND TO WEST
SECTION LINE
3.55
4.28
40.46
7 FT OFFSET LINE
145.10
7.00
6.97
44.29 m
44.26 R
1.66
7.00 set
23
24
CANYON BLVD
Contd on page 76
S-3 0+46.40 Set Ch. 3 in walk
S-1 0+01.66 Fd Lgt No Ref.
S-2 0+42.12 Fd Lgt ~ No Ref
Fd old 2x2 En dn 6" in open hole ~ No Ref
Fd Ch. 3 in conc. cb FB 117-71
conc. cb
conc. walk
conc. drive
1.66 @ Lev (T = 70°) = 1.66
40.46 @ Lev " = 40.46
4.28 @ " " = 4.28
3.55 @ " " = 3.55
COUNTY ENGINEER
R. E. 5869
TIN
R11W
14 13
23 24
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
700 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3098 S&E #247 1-56

F. B. 2249 Pg. 76

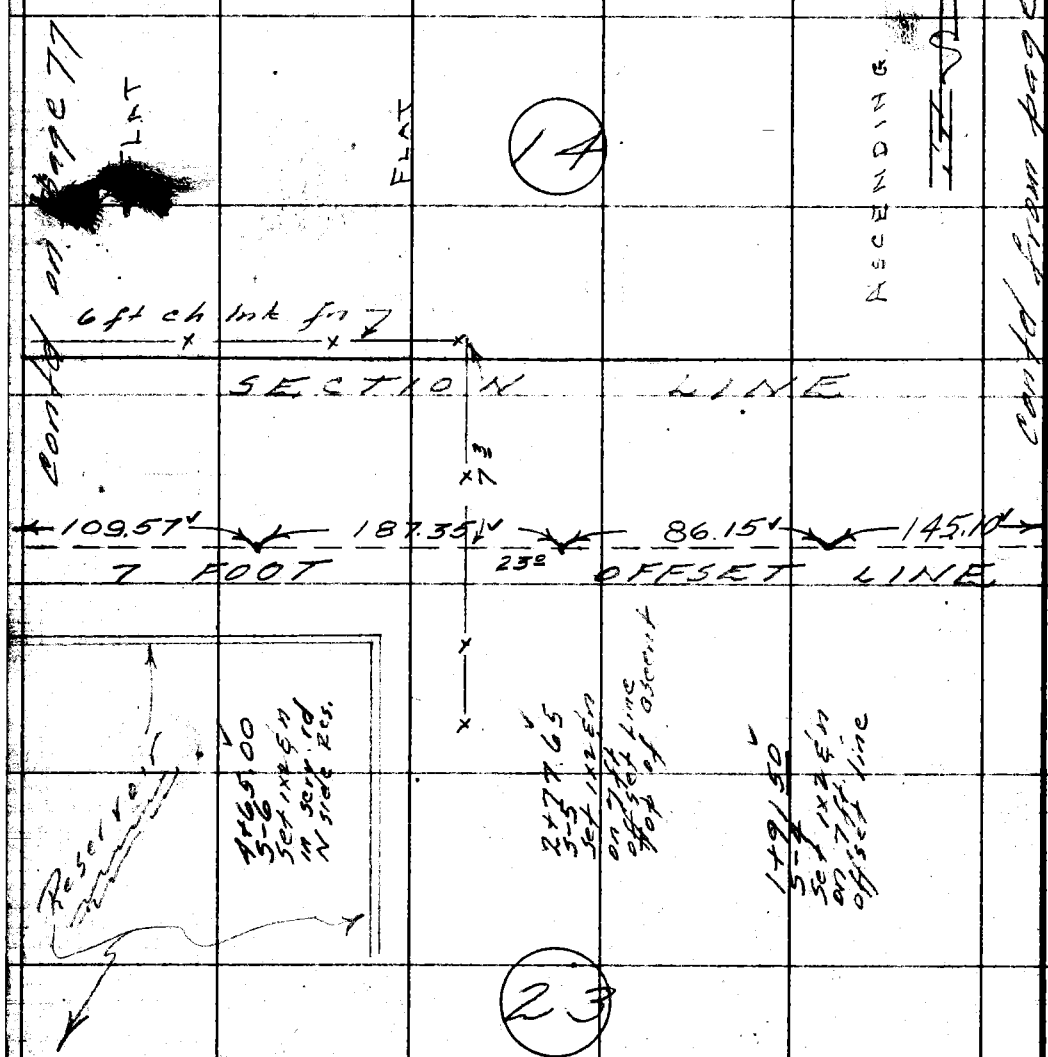
1) 147.11 @ 9°26' (T=64°) = 145.10 ✓
2) 147.40 @ 10°06' " = 145.10 ✓
Avg = 145.10 ✓

1) 86.96 @ 7°45' (T=64°) = 86.16 ✓
2) 86.72 @ 6°31' " = 86.15 ✓
Avg = 86.15 ✓

1) 187.38 @ 0°37' (T=64°) = 187.35 ✓
2) 187.41 @ 1°06' " = 187.36 ✓
Avg = 187.35 ✓

1) 109.59 @ Lev (T=52°) = 109.57 ✓

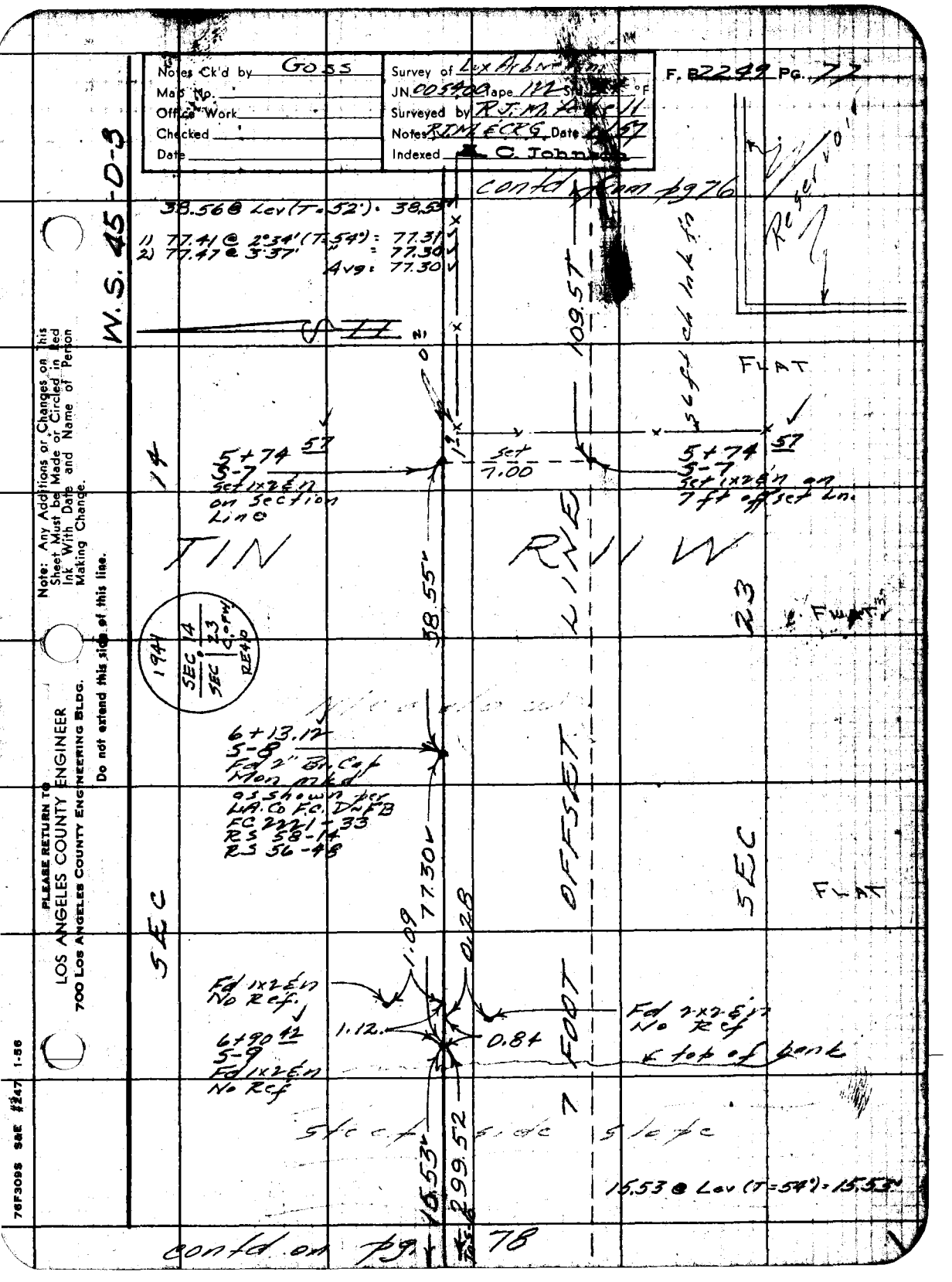
T1N
R11W



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

Do not extend this side of this line.

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



Notes Ck'd by GOSS	Survey of Lux Arbor [illegible]
Map No.	JN 005400 Tape 112 Std [illegible] °F
Office Work	Surveyed by R.J.M. [illegible]
Checked	Notes R.J.M. & C.R.G. Date [illegible] 57
Date	Indexed C. Johnson

F. B 2249 PG. 77

W.S. 45-D-3

contd from pg 76

38.56 @ Lev (T=52') = 38.53

1) 77.41 @ 2°34' (T=54°) = 77.31
2) 77.47 @ 3°37' " = 77.30
Avg = 77.30

Reservoir

109.57

FLAT

5+74 57
S-7
Set 1x2 E n
on Section
Line

set
7.00

5+74 57
S-7
Set 1x2 E n on
7 ft offset Ln.

14

TIN RIIW

38.55

23

FLAT

1941
SEC 14
SEC 23
C.O.F.W.
RE 40

6+13.12
S-8
Fd 2" Br. Cap
Mon mkd
as shown per
LA. Co F.C. D-FB
FC 2221-33
RS 58-14
RS 56-48

77.30

SEC

SEC

FLAT

1.09

0.28

Fd 1x2 E n
No Ref.

1.12

0.84

Fd 2x2 E n
No Ref

6+90 42
S-9
Fd 1x2 E n
No Ref

top of bank

7 FOOT OFFSET LINE

steep side slope

15.53

299.52

15.53 @ Lev (T=54°) = 15.53

contd on pg 78

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

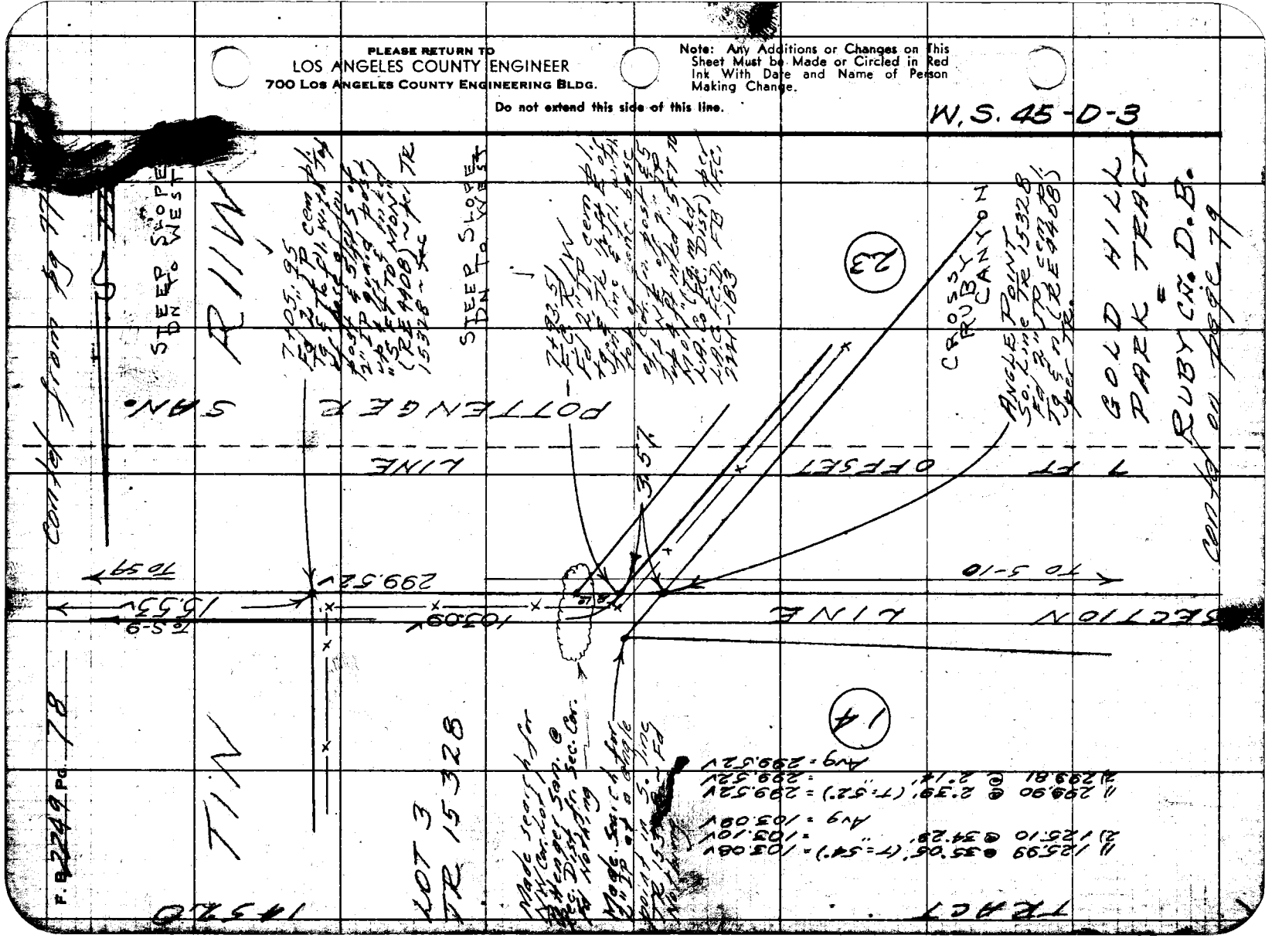
76F309S S&E #247 1-56

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

Do not extend this side of this line.

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

W.S. 45-D-3



F. B. 2249 Pg. 78

Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 8
Office Work	Surveyed by R.J. Mitchell
Checked	Notes RJM & CRG Date 1/57
Date	Indexed C. Johnson

2247 PG. 79

GROSS RUBY CN

Contd from page 77

STEEP SLOPE DN TO E.

9+89.94
S-10
Set 1x2 En on spur

299.52'

0.19

283.44'

13.34'

Fd 2" IP cem pl Tg E Tk (RE 1510) Up 10" No Ref On side slope

12+73.38
S-11
Fd 1x2 En on line No Ref On side slope

26.86'

13+00.24
S-12
Set n. in 2x4 form E edge Mac. Drive.

5.56'

RANDOM LINE TO E LINE PAR 1-RS 58-14 SEE PAGE

24.46'

SOUTH LINE TR 1532.8

SECTION LINE = N LINE GOLD HILL PK TR = S LINE TR 14520 = S LINE R'S 58-14

7 FT OFFSET LINE

1) 28.26 @ 18°07' (T=60°) = 26.86'
2) 29.30 @ 23°34' = 26.86'
Avg = 26.86'

1) 24.46 @ Lev (T=58°) = 24.46'

GROSS UNKNOWN CANYON

1) 288.65 @ 10°51' (T=54°) = 283.45'
2) 288.82 @ 11°00' " = 283.43'
Avg = 283.44'

1) 5.56 @ Lev (T=58°) = 5.56'

TOP W. BANK UNKNOWN CN

FLAT

13+05.80
S-13
Set n E't by Int see page 69

FLAT

Contd on page 80

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

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

Do not extend this side of this line.

76F309S S&E #247 1-56

F.B. 2249 PG. 80
Cont'd from page 79
S-14 T1N R11W
TR 15328
Fd Nothing SW COR LOT 16 TR 15328
24.46
3.37
16.397
Fd Nothing RS 66-23
7 FT OFFSET LINE
FLAT
T1N
R11W
set 1x2 En
15.96(R)
W LINE PAR
set 7.00
13+30.26 S-14 set 1x2 En for Ely end 7 ft offset line
RS-58-14 & TR 14520 SEE PG. = E LINE LOT 13 GOLD HILL PK. TR.
13+30.26 S-14 Fd 2" IP dirt fill En 0.12 S of SW Cor PAR 1 RS 58-14 = SW COR TR 14520 = ANG. PT. LOT 13 GOLD HILL PK TR.
56.17
0.12
132.07
41°20'20"
14
23
FLAT
same
13+86.43 S-13 Fd 2" IP with Br. Cap Mkd as shown up 6" per RS 66-23, RS 57-39, RS 56-48
1) 56.18 @ Lev (T=64°) = 56.17 ✓
1) 67.97 @ 3°24' (T=60°) = 67.84 ✓
2) 68.14 @ 5°10' " = 67.85 ✓
Avg = 67.84 ✓
1) 132.19 @ 2°15' (T=60°) = 132.07 ✓
2) 132.28 @ 2°57' " = 132.08 ✓
Avg = 132.07 ✓
1) 41°20'30"
2) 82°40'40"
4) 165°21'10"
Av) 41°20'17½" ✓
19A
POT SEC 14 SEC 23 RE 410
67.84
SECTION LINE
FLAT
Fd 2" IP cem pl. Tg & Tk (RE 1510) No Ref
W.S. 45-D-3
PLEASE RETURN TO LOS ANGELES COUNTY ENGINEER 700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made & Circled in Red Ink With Date and Name of Person Making Change.

Cont'd Pg 81

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

Survey of Lux Arboretum
JN 0059.00 Tape 172 Std 68 °F
Surveyed by R.S. Mitchell
Notes Mitchell Date 4/59
Indexed C. Johnson

F. B. 2249 Pg. 81

cont'd from page 80

Fd 2" IP cont'd T9 E T4 (RE 410) on E Lig Lot 12 Gold Hill Park per R 3966-73

113°52'30"
2) 227°45'00"
1) 95°30'00"
Adj) 113°52'30" ✓

Set 1x2 stk in Fill

14+34.27
5-16
Set 1x2 stk in

105.96'

67.84'

Fd 3/4" IP in Pile of Rocks 1.15' S of Fence & 0.6' E of Fence Corner per R3966-73 in Spot Dug 0.4' deep in Ground

DESCENDING
To WEST

1) 104.54 @ 6°15'44" (T=60') = 104.54 ✓
2) 104.75 @ 7°04' " = 104.88 ✓
3) 104.69 @ 6°49' " = 104.81 ✓
Avg = 104.81 ✓

15+60.73
5-17
Set 1x2 stk in Wedge of Rd.

1) 106.96 @ 7°46' (T=60') = 106.96 ✓
2) 106.76 @ 6°54' " = 106.87 ✓
Avg = 106.92 ✓

1) 135.09 @ 10°29' (T=56') = 132.82 ✓
2) 135.16 @ 10°41' " = 132.80 ✓
Avg = 132.81 ✓

DESCENDING
To WEST

16+93.04
5-18
Set 1x2 stk on side slope

1) 93.47 @ 16°20' (T=60') = 93.60 ✓
2) 94.01 @ 17°28' " = 93.74 ✓
Avg = 93.67 ✓

1) 114.94 @ 8°27' (T=56') = 113.94 67 ✓
2) 114.72 @ 7°38' " = 113.94 68 ✓
Avg = 113.94 67

105.96'

132.81'

89.67'

113.94'

T 1 N

DESCENDING
To WEST

R 11 W

17+82.71
5-19
Set 1x2 stk on side slope

SECTION LINE

DESCENDING
To WEST

cont'd on page 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 this side of this line.

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

70F3095 SBE #327 1-56

F. B. 2249 Pg. 82

contd from page 81

SEC 14 T1N R11W

DESCENDING TO WEST

113.67

18+96.38
S-20
Set 1x2 E'n

1) 165.65 @ 15°44' (T=58°) = 159.41
2) 165.30 @ 15°18' " = 159.41
Avg = 159.41

1) 223.46 @ 14°48' (T=58°) = [illegible].04
2) 223.19 @ 14°30' " = [illegible].04
Avg = [illegible].04

DESCENDING TO WEST

159.41

1) 283.09 @ 0°32' (T=60°) = 283.04
2) 283.09 @ 0°44' " = 283.03
Avg = 283.03

1) 122.28 @ 7°29' (T=58°) = 121.22
2) 121.91 @ 5°58' " = 121.23
Avg = 121.22

55.79
20+56.06
S-21
Set 1x2 E'n

216.04

DESCENDING TO WEST

71.83
22+72.18
S-22
Set 1x2 E'n
in draw

14

23

283.03

ASCENDING TO WEST

T1N R11W

54.86
25+55.13
S-23
Set 1x2 E'n
on ridge

121.22

SECTION LINE

DESCING INTO HIDDEN VALLEY

contd on page 83

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

contd from page 82

Notes Ck'd by Goss	Survey of Lux Arboretum	F. 2249 Pg. 83
Map No.	JN 0059.00 Tape 122 Std 84 °F	
Office Work	Surveyed by R.J. Mitchell	
Checked	Notes Mitchell & Goss 1/57	
Date	Indexed C. Johnson	

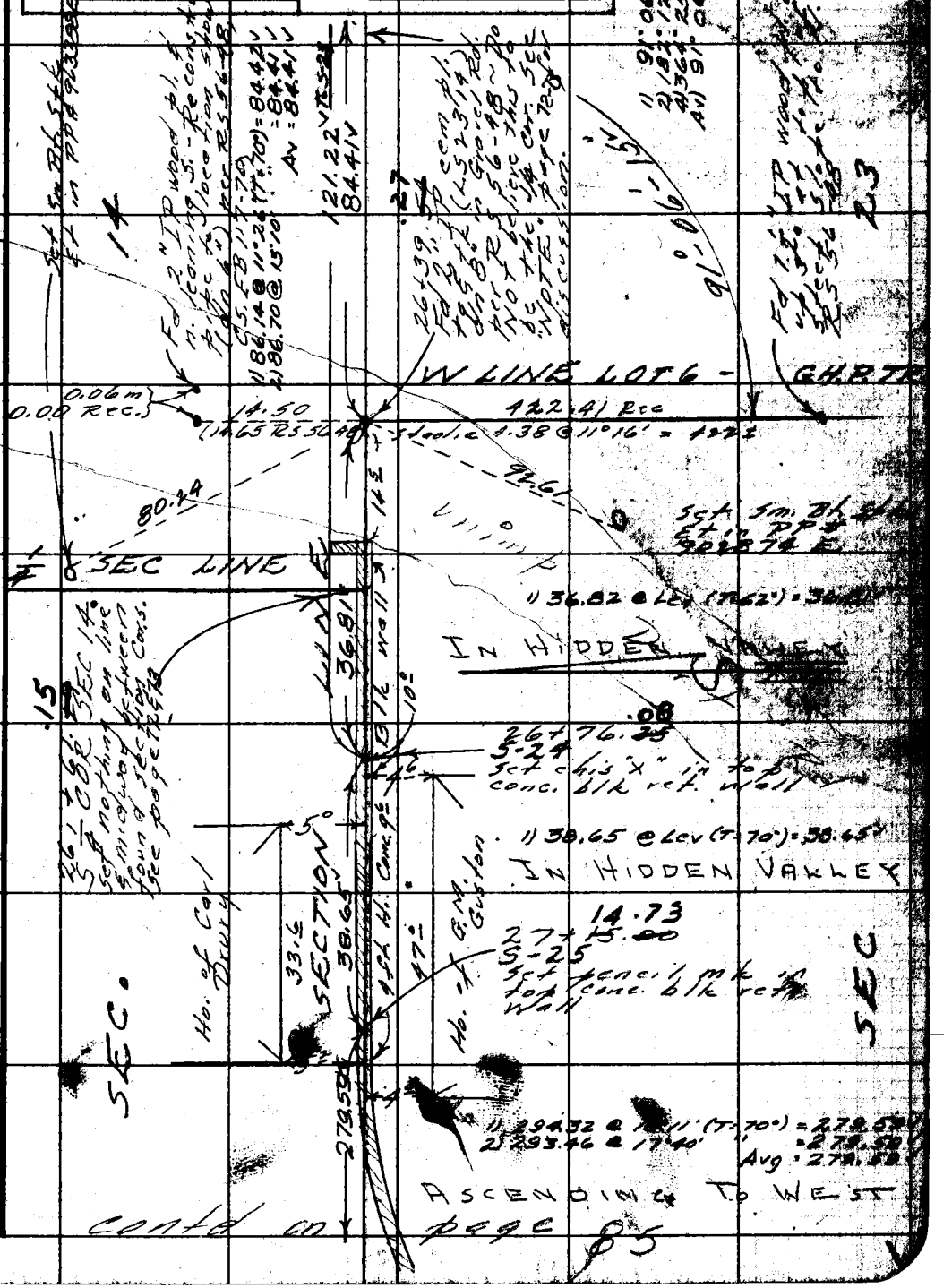
W.S. 45-D-3

61.29
39.54
21.75

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.



contd on page 85

76F3098 S&E 1247 1-56

F. B. 2249 Pg. 84

S-26
Fd 2x2 nail on
line of crest of
ridge (LS 23417)
No Ref.

0.83

Fd 2x2 in (No Tg)
No Ref (up 3.0')

S-27
Set 1x2 in
top of ridge
S. end of bdge
line used to
calc. dist to

PLEASE 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 this side of this line.

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

Survey of Lux Arboretum
JN 00359.00 Tape 177 Std 24° F
Surveyed by R.J. McLeod
Notes Mitchell Gage 1.587
Indexed C. Johnson

F. B. 11249 Pg. 85

cont'd from page 83

1	1	26° 39' 30"	
4	1	106° 38' 20"	
6	1	159° 57' 40"	
Av	1	26° 39' 36½"	V
1	1	29° 53' 10"	
4	1	19° 32' 40"	
6	1	79° 18' 50"	
Av	1	29° 53' 08½"	V
1	1	56° 32' 40"	
4	1	226° 11' 10"	
6	1	339° 16' 40"	
Av	1	56° 32' 46½"	V

279.59

ASCENDING TO WEST

29T 24.32
5T 26
Fd 2x2 in ditty (45 23 W) on line of ridge ~ No Ref

1.08

Fd 2x2 in No Tg No Ref up 3"

TO B-4 page 86

CROSS CANYON (HOUSES IN BOTTOM)

26° 39' 30" 56° 32' 40" 29° 53' 10" 45" IN

14 13

TO B-2 page 86

79° 57' 30"

1) 79° 57' 30"
4) 319° 49' 50"
6) 119° 44' 50"
Av) 79° 57' 28½" V
Adj) 79° 57' 35"

TIN R11W

302.56

BASE LINE

.45
35T 65.72
5-27
Set 1/2" on crest of ridge 4.5' end of Base Line used to calc. dist from E.

1) 51.12 @ 5°03' (T-76°) = 50.92 V
2) 51.49 @ 8°31" " = 50.92 V
Avg = 50.92 V

cont'd on page 86

DESCEND

176.86

#2251.64 @ 0°25' (T-76°) = 251.62
2) 251.64 @ 0°15" " = 251.65 V
3) 251.65 @ 2 av " = 251.64 V
Avg = 251.64 V

Total = 302.56 V

cont'd on page 87

SECTION LINE

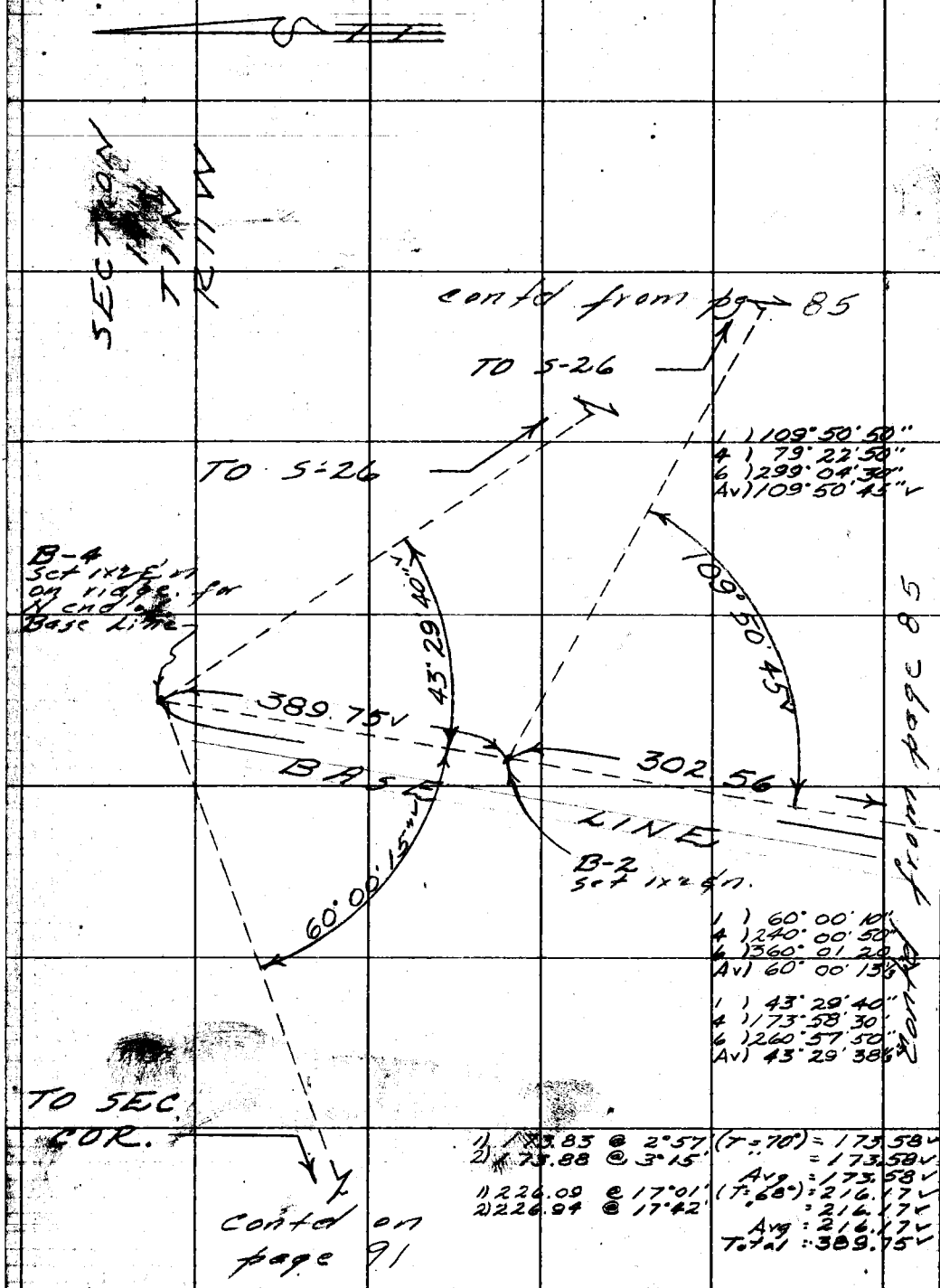
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

76F3093 SAE #247 1-56

F.B. 2449 Pg. 86



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

Notes, Ck'd by GOSS	Survey of Luy Arboretum	F. B 2249 Pg. 87
Map No.	JN 0054.00 Tape 172 Std 84 °F	
Office Work	Surveyed by Mitchell	
Checked	Notes Mitch. & Goss Date	
Date	Indexed C. Johnson	

31.92
21.27
10.65

W.S. 45-D-3

Cont'd. fr. Pg. 85

TIN RIW

DESCEND

176.86

.31
37+42.~~48~~
S-28
Set 1x2 E/n on line in stream bed

1) 182.93 @ 16°38' (T=66°) = 175.26
2) 181.77 @ 16°22' " = 175.25
Av = 175.25
1) 108.11 @ 28°00' (T=70°) = 95.44
2) 107.32 @ 27°12' " = 95.44
Av = 95.44
1) 63.53 @ Lev (T=70°) = 63.52
2) 63.53 @ " " = 63.52
Av = 63.52
1) 31.93 @ Lev (T=70°) = 31.93
2) 31.92 @ " " = 31.92
Av = 31.92
1) 35.68 @ Lev (T=82°) = 35.68

ASCEND

175.25

SECTION 14

SECTION 23

.56
39+17.~~83~~
S-29
Fd white top 2x2 E/n up 3" No Ref. Top of ridge

63.52

95.44

DESCENDING TO WEST

1/16 SEC LN PER RS 56-48

39+81.08
Fd 2" IP Cem'l. Tg & Tk (LS 2314) fl. per RS 56-48

10.65 calc.

31.92

1/16 SEC LINE

.73
39+91.~~73~~
1/4-1/4-COR
Nothing set see page 72 & 73

.00
40+13.~~77~~
S-30
Set 1x2 E/n on side hill

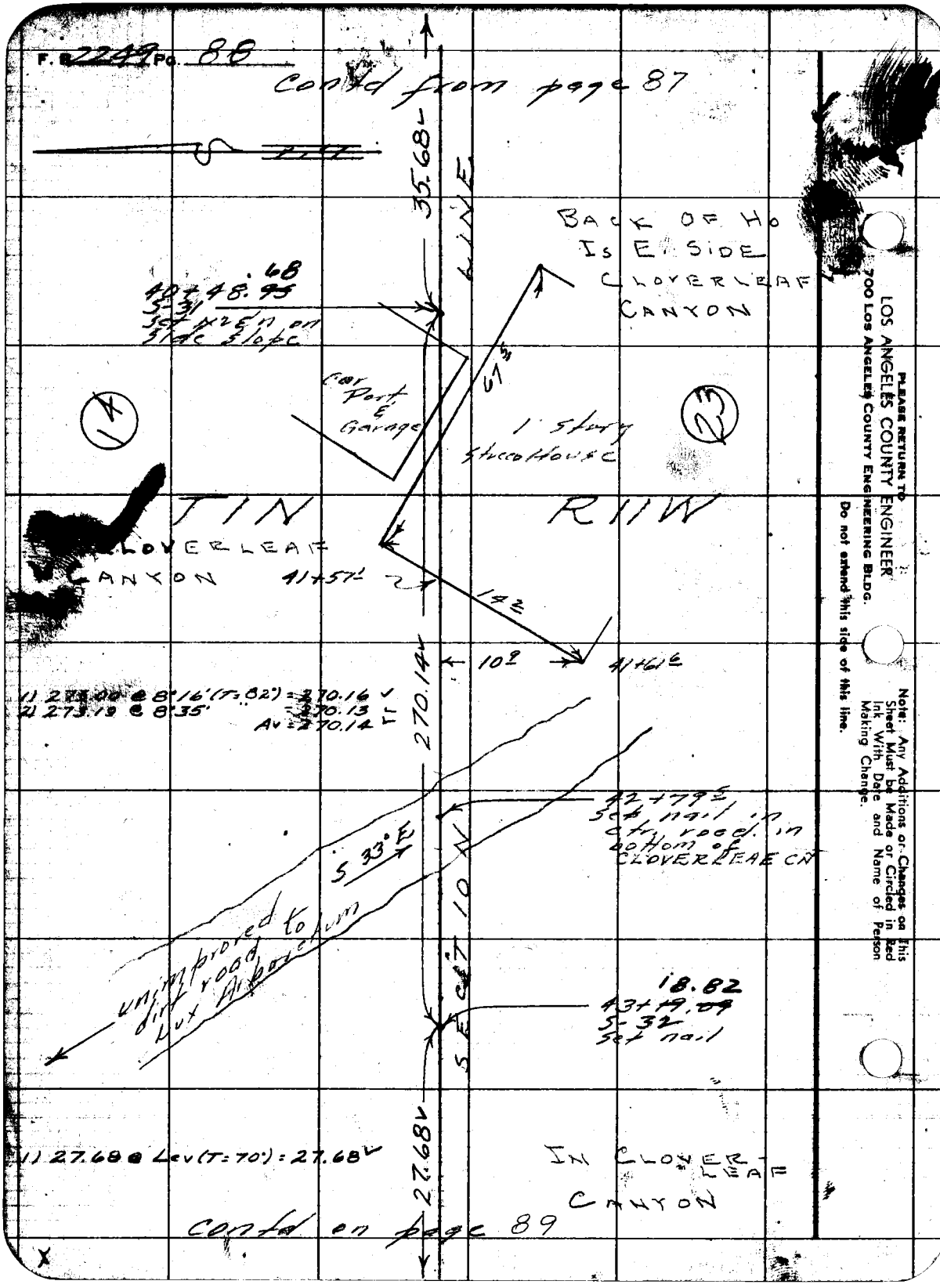
21.27 Calc.

35.68

DESCENDING TO WEST

Cont'd. on Pg. 88

Note: [illegible] Sheet [illegible] 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
700 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3098 S&E #247 1-56


F. B. 2249 Pg. 88
Contd from page 87
35.68
LINE
BACK OF HO
IS E SIDE
CLOVERLEAF
CANYON
40+48.68
S-31
Set 1x2 Ln on
side slope
Car Port
& Garage
67.5
1 Story
Stucco House
14
23
TIN
R11W
CLOVERLEAF
CANYON
41+57
14.2
10.9
41+61.6
270.14
1) 273.00 @ 8°16' (T=82°) = 270.16
2) 273.19 @ 8°35' = 270.13
Av = 270.14
42+79.5
Set nail in
ctr. road in
bottom of
CLOVERLEAF CN
S 33° E
unimproved
dirt road to
Lux Arboretum
SECT 10 N
18.82
43+19.09
S-32
Set nail
27.68
1) 27.68 @ Lev (T=70°) = 27.68
IN CLOVER-
LEAF
CANYON
Contd on page 89
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 122 Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date 1/57
Date	Indexed J. C. Johnson

Cont'd from Pg. 88

T1N R11W

27.68

CROSSING CLOVERLEAF CN

.50
43+46.77
S-33
Set 1x2 E/n
on 2" in
lawn

51.81

1) 51.82 @ Lev (T=52°) = 51.81 ✓

1) 107.42 @ 16°48' (T=52°) = 102.82 ✓
2) 106.94 @ 15°55' " = 102.82 ✓
Av = 102.82 ✓

1) 100.13 @ 24°00' (T=52°) = 90.85 ✓
2) 100.57 @ 25°23' " = 90.84 ✓
Av = 90.84 ✓

1) 61.77 @ 14°42' (T=52°) = 59.74 ✓
2) 61.32 @ 13°00' " = 59.74 ✓
Av = 59.74 ✓

.31
43+98.58
S-34
Set nail
in lawn

102.82

SECTION 14

SECTION LINE

SECTION 23

BEGIN ASCENT TO WEST

.13
45+01.40
S-35
Fd 1½" IP cem
pl. Tg ETk (LS
2314) No Ref
Guard Stake
Mkd "South
West Cor"

90.84

ASCENDING TO WEST

91.97
45+92.24
S-36
Set 1x2 E/n
(chain pt.)

59.74

ASCENDING TO WEST

Cont'd. on Pg. 90

X

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 S&E #247 1-56

F. 2249 90 contd from page 89

T 1 N R 11 W

59.74

ASCENDING

.71
46+51.~~98~~
S-37
Nothing set

8.84 @ Lev (T=52°) = 8.84

8.84

LINE

.55
46+60.~~82~~
S-38
Set 1x2 & n
on line

23

ASCENDING

94.85

Fd 1x2 & n
at base of 24"
Oak (N side of
tree) No Ref.

4.85

.40
47+55.~~67~~
S-39
Set 1x2 & n
on line

8.89

1) 98.25 @ 15°04' (T=52°) = 94.85
2) 97.57 @ 13°29 " = 94.86
Av = 94.85

60.08

ASCENDING

SECTION

SECTION

.48
48+15.~~75~~
S-40
Set 1x2 & n
on line

ASCEND
ACROSS DRAW

199.05

1) 65.65 @ 23°45' (T=54°) = 60.08
2) 65.00 @ 22°25' " = 60.08
Av = 60.08

1) 202.45 @ 10°27' (T=54°) = 199.05
2) 202.63 @ 10°43' " = 199.06
Av = 199.05

.53
50+14.~~80~~
S-41
Set 1x2 & n
on line on spur

1) 193.46 @ 11°12' (T=54°) = 189.74
2) 193.88 @ 11°48' " = 189.74
Av = 189.74

189.74

ASCEND ACROSS
DRAW

contd on page 91

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

Note: Any A[illegible] or Changes on This Sheet Must be [illegible] or Circled in Red Ink With Date [illegible] Name of Person Making Change.

Notes Ck'd by GOSS	Survey of Lux Arbor	F. B. 2249	Pg. 91
Map No.	JN 0054.00 Tape 122 °F		
Office Work	Surveyed by Mitchell		
Checked	Notes Mitchell Date 1/57		
Date	Indexed E. C. Johnson		

W.S. 45-D-3

Cont'd. fr. Pg. 90 ASCENDING

T 1 N R 11 W

189.74

.27

52+04
S-42
Fd 2x2 Oct. Tg
En (LS 2314)
No Ref. ~ Pt
falls on line
on rounded
shoulder ~
Removed & set
Std. C.S. Br. Cap
Mon mkd as
shown as
Witness Corner
to section Cor.

SURVEYOR COUNTY ENGINEER T 1 N 15 14 22 23 R 11 W C R.E. 5869

17.02 @ Lev (T=54°) = 17.02 ✓
1) 90°30'30"
4) 362°01'20"
6) 183°01'50"
Av) 90°30'18⅓" ✓

Note: Base Line "B-4" 1986 is not visable from instrument height of Sec. Cor.

90°30'20" ✓
Measd. to Long Sights

17.02

Fd 2" IP
on range
(50+25.66)
FB 473-192
(see pg. 30)

FLAT

.29

52+21.56
S-43
Set 1x2 En on shoulder
in position to turn
angle to long sights

1) 101.85 @ 7°13' (T=54°) = 101.02 ✓
2) 101.43 @ 4°57' " = 101.03 ✓
Av = 101.02 ✓

89°21'15" ✓
Calc fr. Angle Measd. to Long Sights

89°21'05" ✓
Measd. to Short Sights

101.02

DESCENDING

1) 89°21'20"
4) 357°24'30"
6) 176°06'40"
Av) 89°21'06⅔" ✓

14

23

29±

39.6±

COUNTY SURVEYOR T 1 N 15 14 22 23 MONUMENT

.31

53+22.58
SECTION CORNER
Fd Std C.S. Br. Cap, Mon
Mkd as shown & up 12"
on N slope of side hill
near bottom of draw.
per C.S. FB 117-39, 69,
FB 473-188 Point described in
CS FB 117 is same character as
in Gold Hill Pk. TR. ~ see also
RS 56-48, RS 58-14, RS 57-39

22

15

(9+25.00)
Fd 1x2 En
FB 473-188

Made Search for
3x4 Stk at Sec. Cor.
per Gold Hill Pk. TR.
Fd Nothing

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 S&E 1247 1-56

Notes Ck'd by Goss	Survey of Lux Arboretum F. B. 2249 Pg. 93
Map No.	JN 0054.00 Tape 65 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes R.J.M. Date
Date	Indexed L. C. Johnson

SURVEY OF

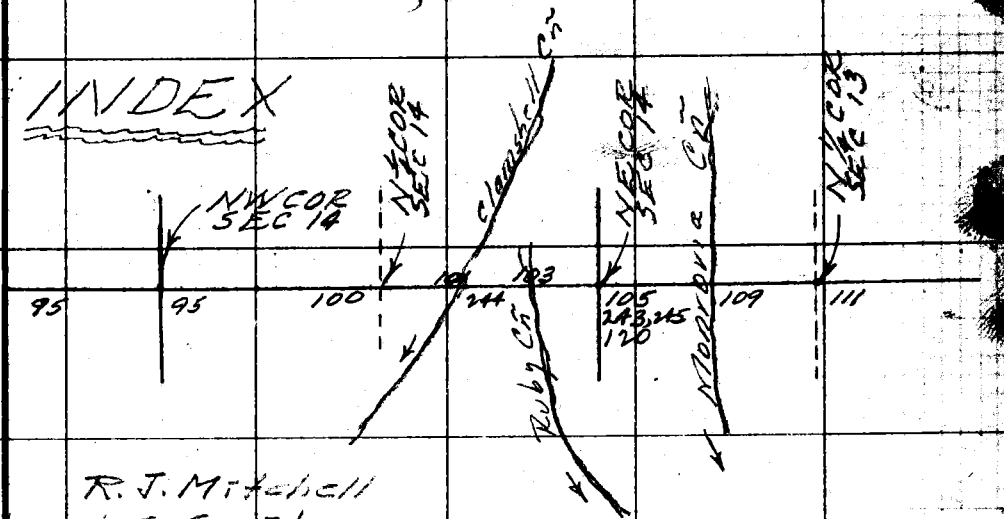
N. LINE – SECTION 14 TIN-R11W

FOR

LUX ARBORETUM

J. N. 0054.00

INDEX



R. J. Mitchell
L. C. Smiley
J. E. Henderson
C. R. Goss

February, 1957

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3098 S&E #247 1-56

F. 1222 Pg. 94

NOTES

1. The C.S. Mon of the NW Cor Sec 14 (T1N R11W) has been accepted as a direct perpetuation of the corner set by Dep U.S. Surv. Reynolds (CS 9250)(1873).
2. The N ¼ Cor Sec 14 & the NE Cor Sec 14 were searched for by Dep. Co. Surv. Benson in 1931 but were not found.
3. The NE Cor Sec was reported lost by Fuel (LS 9-1) in 1919
4. I establish the direction of the "Tie-line" as shown on CS B 745-2 by going to the N ¼ Cor of Sec 15 and setting off the calc. offset at this point (using line from this point E to the NW Cor Sec 15 as a basis of Brngs.). These points are intervisable where-as visability south from the sec. Cor is restricted to about 45 ft. I then proceed E along the Random Line thus established.
5. At a distance of 40 chains (per Cutting - CS 9382 (1896) & Dep U.S. Surv. Reynolds - CS 9250 (1873)) I make a diligent search and find nothing. (Falls 29 ft W of R/L 14 pg. 100)
6. At a distance of 50 chains (27 ft E of R/L 18 - pg 101) I find no evidence of Dep U.S. Surv. Reynolds post (CS 9250-4)(1873) Falls on the steeply descending slope of Clamshell Cr.
7. At a distance of 80.60 ch. (per Cutting - CS 9382 (1896)) I search for the NE Cor. Sec 14 & find nothing. (Falls 70 ft E of R/L 28. pg. 105.)
8. The topography along the line traveled over bears no resemblance to that shown by Reynolds - CS 9250-4 (1873)
9. After comparing the topography along the line traveled with that shown by Cutting - C.S. 9382 (1896) I find a few points

cont'd on page 112

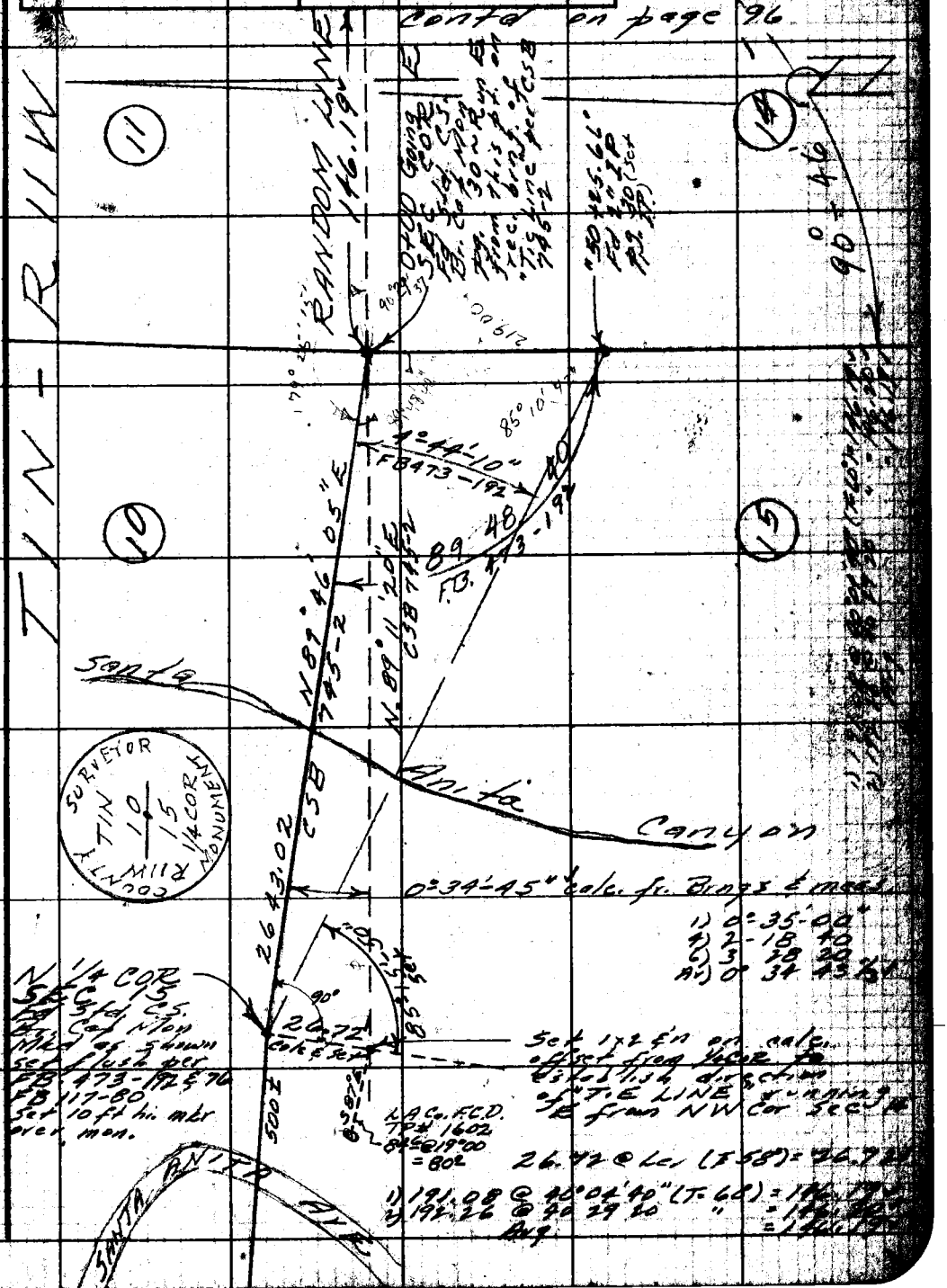
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Survey of: Lux Arboretum
JN 0064.00 Tape Std. 84 °F
Surveyed by: R.J. Mitchell
Notes: R.J.M. Date: 2-57
Indexed: R. C. Johnson

F. B. 2249 Pg. 46

Contd on page 96



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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

7SF3095 S&E #247 1-56

F.B. 2249 Pg. 96

Contd. on page 97

Steep Ascent

TIN R11W

36.49

4+00.93
R/L 4
cut bench in steep side slope & set 1x2 & n.

95.29

Steep Ascent

SECTION 11

3+05.64
R/L 3
cut bench on steep side slope & set 1x2 & n.

117.14

Steep Ascent

SEC. 14

RANDOM LINE

1+88.50
R/L 2
cut bench in steep side slope & set 1x2 & n

42.31

Steep Ascent

1+46.19
R/L 1
set 1x2 & n on steep side slope

146.19

Steep Ascent

Contd from page 95

1) 53.13 @ 37 12 00 (F60°) = 42.31
2) 54.76 @ 39 22 40 " = 42.32
Avg = 42.31

1) 130.79 @ 43 13 20 (F64°) = 95.30
2) 129.97 @ 42 51 00 " = 95.28
Avg = 95.29

1) 130.68 @ 38 57 20 (F60°) = 117.15
2) 152.40 @ 39 45 20 " = 117.14
Avg = 117.14

1) 47.05 @ 39 09 00 (F68°) = 36.49
2) 48.11 @ 40 40 00 " = 36.49
Avg = 36.49

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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

76F3098 S&E #247 1-56

PLEASE 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 this side of this line.

W.S. 45-D-2

Notes Ck'd by	GOSS
Map No.	
Office Work	
Checked	
Date	
Survey of	[illegible]
JN	[illegible] Tape ___ Std. 94 °F
Surveyed by	R.J. Mitchell
Notes	R.J.M. Date 2/57
Indexed	C. Johnson

F.B. PG. 97

Descending

1) 41.06 @ 21 11 (F 68°) = 43.69 ✓
2) 47.06 @ 21 47 " = 43.70 ✓
Avg = 43.69 ✓

NOTE: For Location of W 1/16 CoR See FB 2384-47

1) 126 00 00
4) 143 59 50
6) 36 00 00
Av) 126 00 00

1) 86 22 00
4) 345 28 00
6) 138 12 10
Av) 86 22 01

1) 38 38 00
4) 158 32 10
6) 231 48 00
Av) 38 38 00

Contd on page 98

13+41.52
R/L 7
Cut bench & set 2 1/2 con. pl. tg. & Br. Br. on crest of ridge & set ½ mound of rock over I.P. Highest point on this line (Elev 2289.9 pg 179)

Ascending

"R-4"
Fd. charred remains of 1x2 stk. no mark per F.B. 473-77

4+81.11
R/L 6
Cut bench on crest of ridge set 1" Cem. pl. tg. & Br. Br. & set mound of rock around

Ascending

T1N
R11W

4+37.42
R/L 5
Cut bench at brk. in slope below crest of ridge & set 1x2 stn.

1) 301.00 @ 10 ½ (F 66°) = 296.07 ✓
2) 300.82 @ 10 11 " = 296.05 ✓
Avg = 296.06 ✓
1) 128.42 @ 19 39 (F 64°) = 120.96 ✓
2) 128.23 @ 20 35 " = 120.96 ✓
Avg = 120.96 ✓
1) 138.62 @ 16 30 (F 68°) = 132.91 ✓
2) 138.09 @ 15 41 " = 132.93 ✓
Avg = 132.92 ✓
Total of Avgs = 549.94 ✓

Contd from page 96

F.B. 1149 Pg. 98

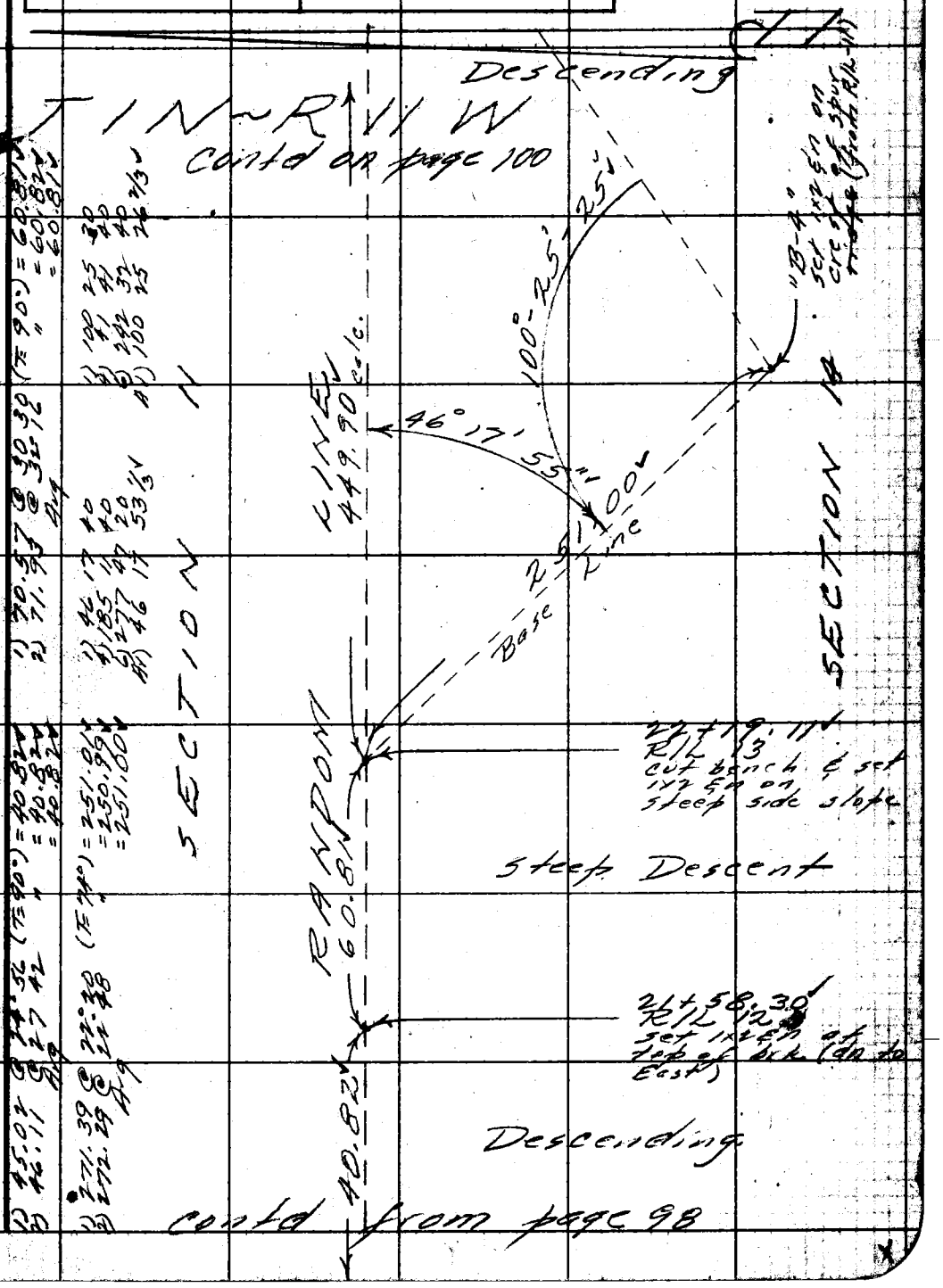
Cont'd on page 99

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

W.S. 45-D-2

Cont'd from page 97

Notes Ck'd by GOSS	Survey of Lux Arboretum F. B. 2249 PG. 99
Map No.	JN 0054.00 Tape Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes R. J. M. Date 2-57
Date	Indexed C. Johnson



1) 45.02 @ 24.56 (T=90°) = 40.82
2) 46.11 @ 27.42 " = 40.82
Avg = 40.82

1) 271.39 @ 22.20 (T=74°) = 251.01
2) 272.29 @ 22.48 " = 250.99
Avg = 251.00

1) 70.57 @ 30.30 (T=90°) = 60.81
2) 71.93 @ 32.16 " = 60.82
Avg = 60.81

1) 46 17 40
2) 185 11 40
3) 277 47 20
Av) 46 17 53 1/3

1) 100 25 30
2) 41 41 40
3) 242 32 40
Av) 100 25 26 2/3

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

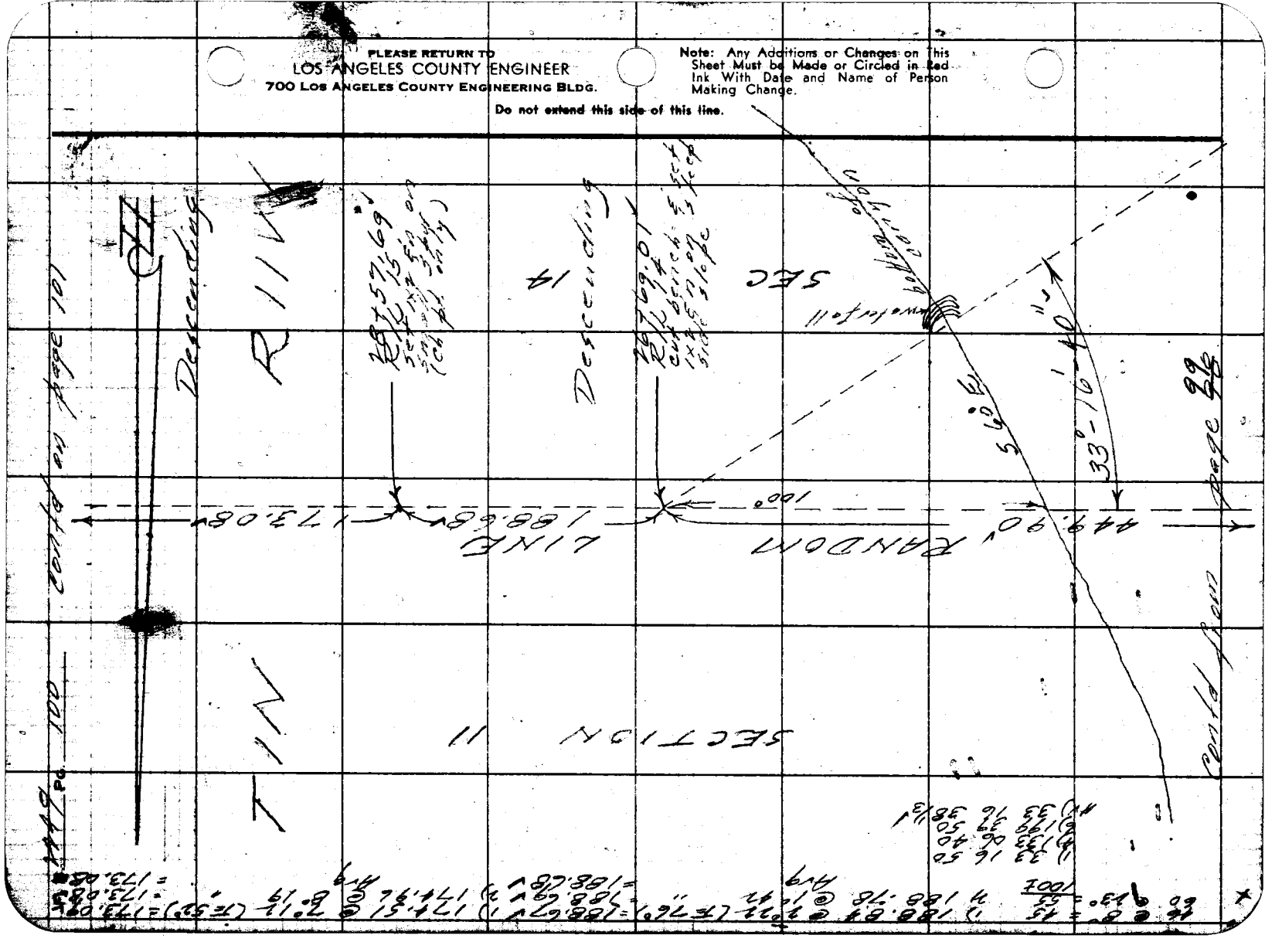
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

76F3095 S&E #247 1-56

PLEASE 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.

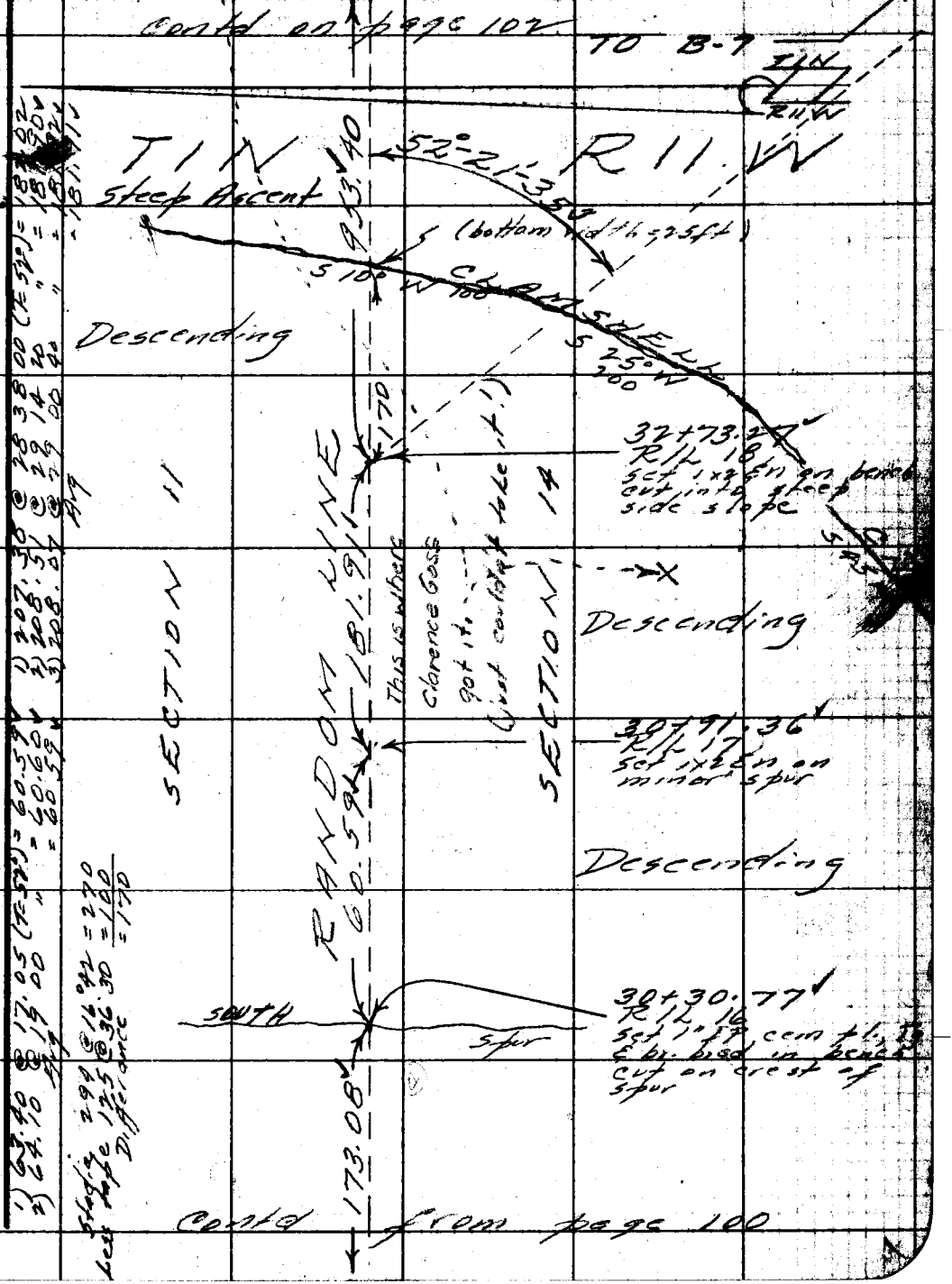
Do not extend this side of this line.



Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN005400 Tape Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes R.J.M. Date 2-57
Date	Indexed A. C. Johnson

F. B. 2249 Pg. 101

1) 52 21 30
2) 209 26 30
3) 314 09 30
4) 52 21 35



1) 63.40 @ 17.05 (T=52°) = 60.59
2) 64.10 @ 19.00 " = 60.60
3) 64.10 @ 19.00 " = 60.59
Avg

1) 207.38 @ 28 38 00 (T=52°) = 182.02
2) 208.51 @ 29 14 20 " = 181.90
3) 208.07 @ 29 00 40 " = 181.92
Avg

Stadia 294 @ 16°42 = 270
Less tape 175 @ 36.30 = 100
Difference = 170

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

Do not extend this side of this line.

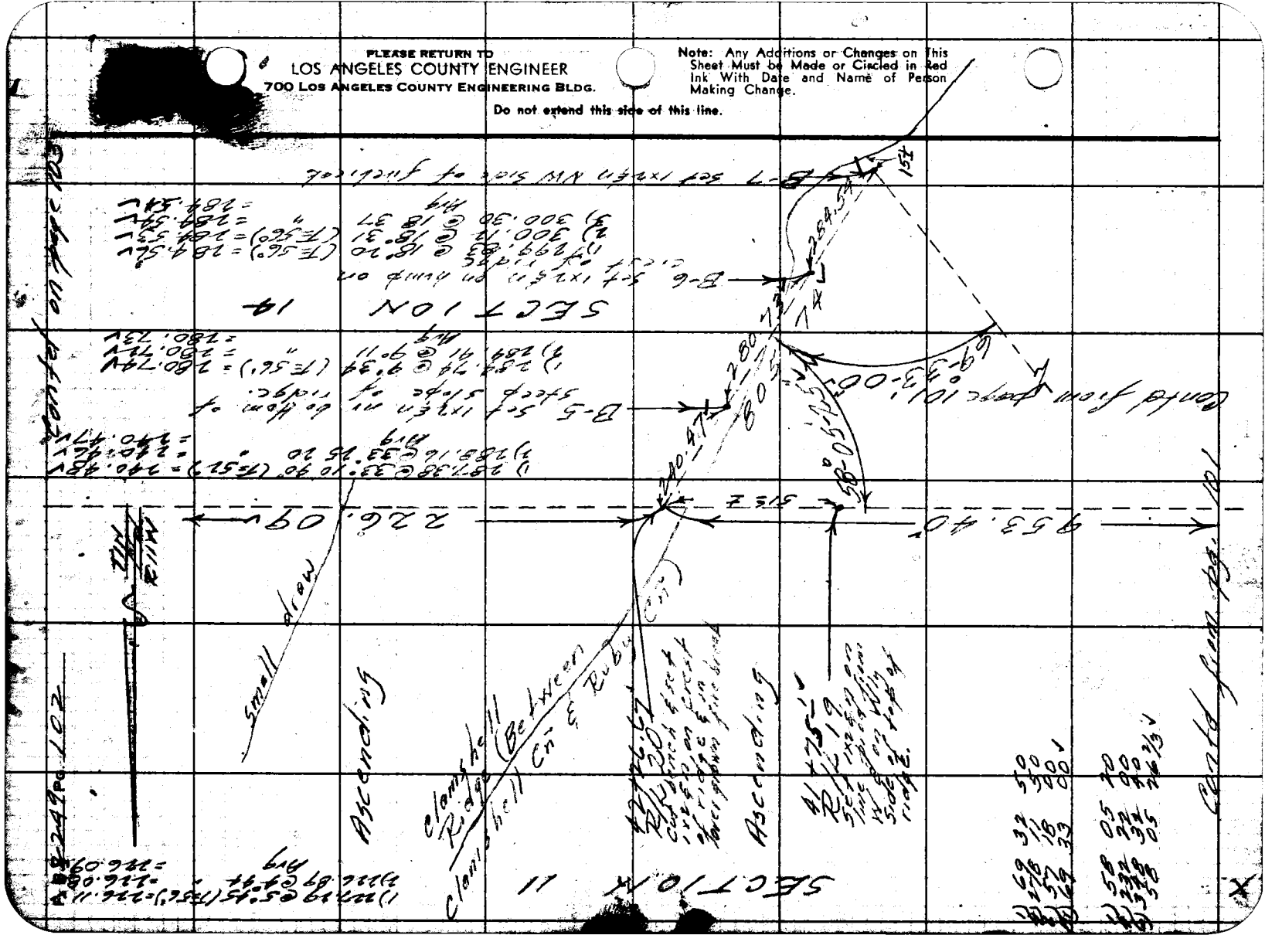
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

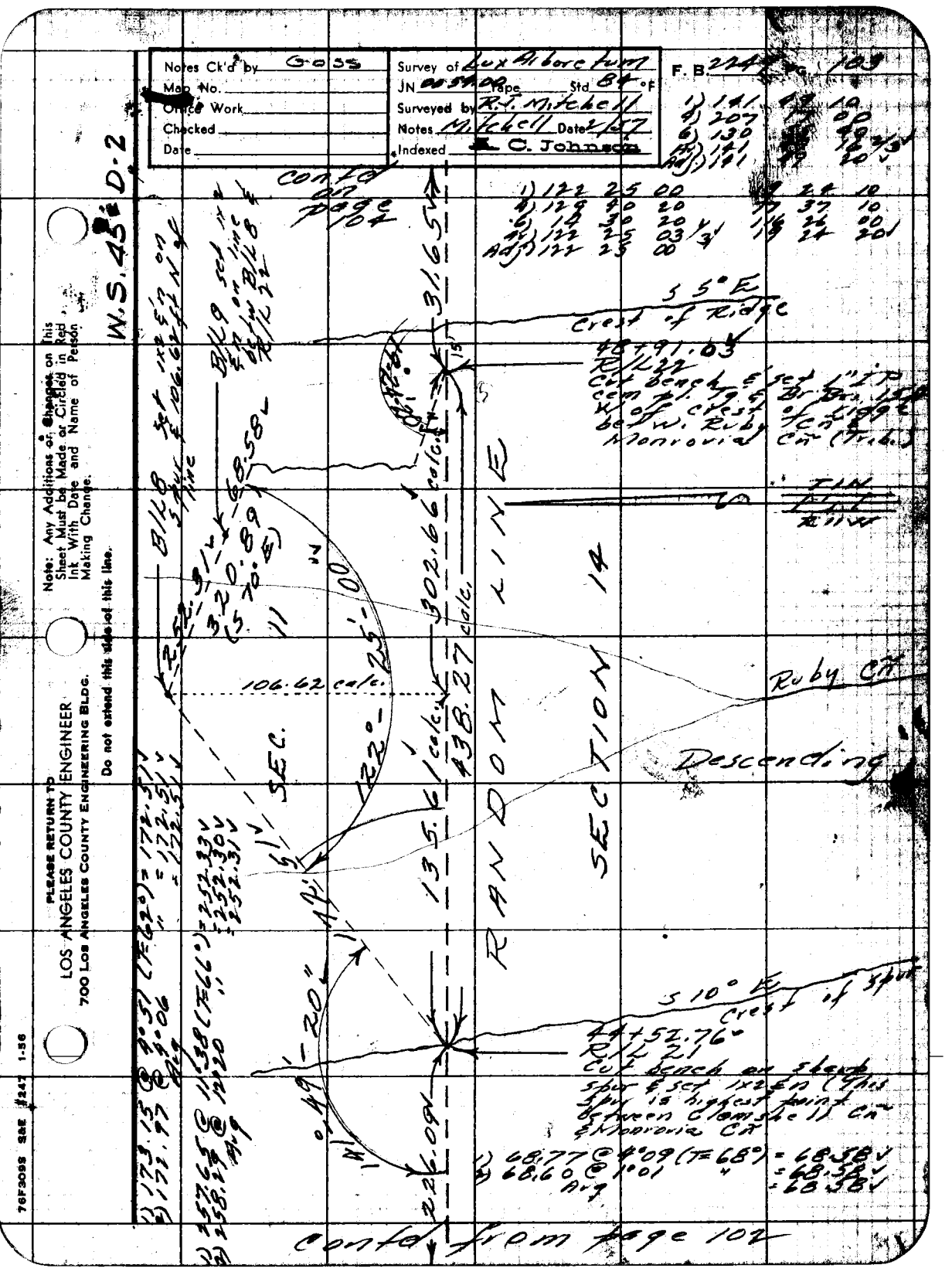
76F309S S&E #247 1-56

PLEASE 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 this side of this line.



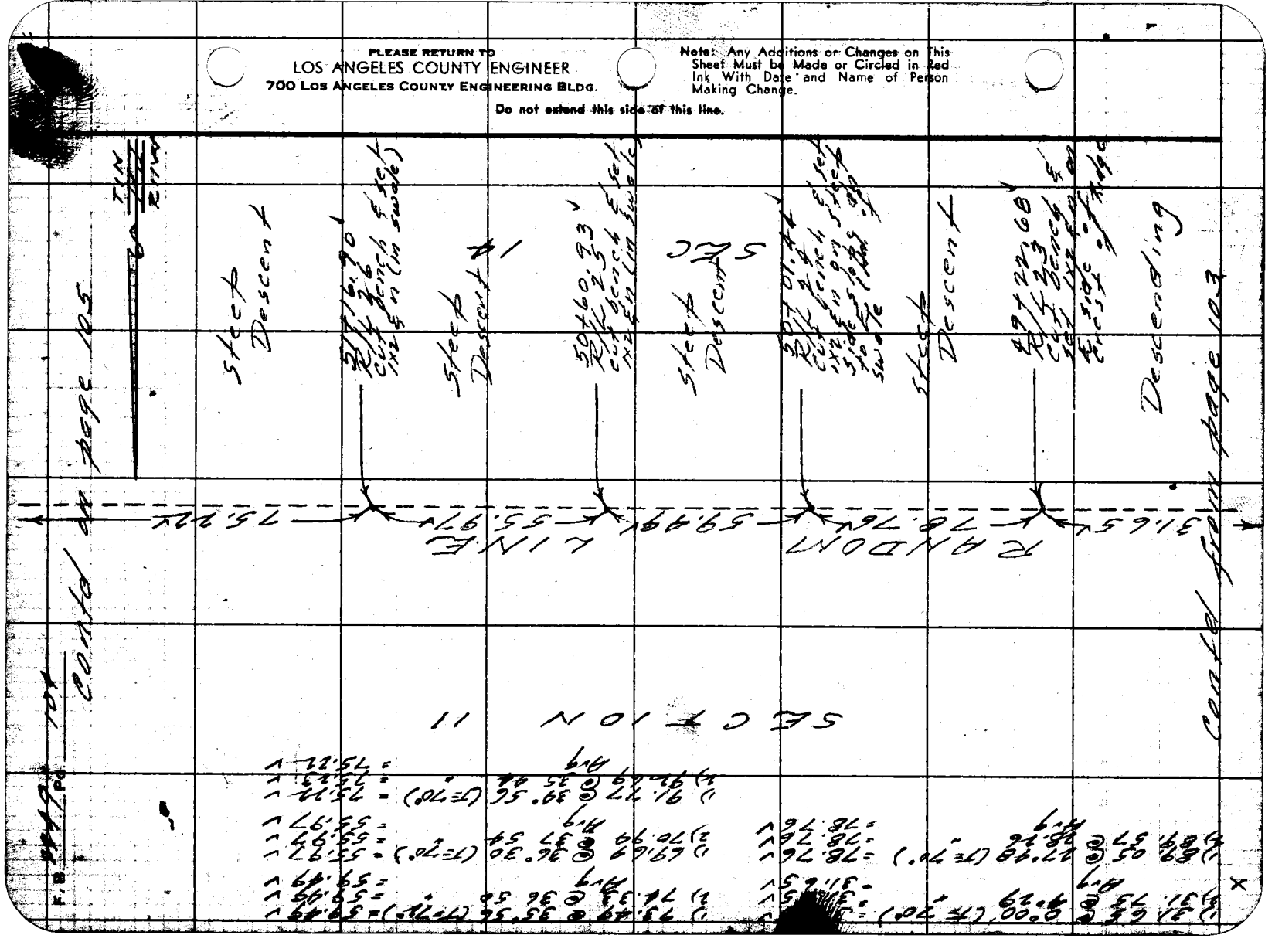


Notes Ck'd by Goss
Map No.
Office Work
Checked
Date
Survey of Lux Arboretum
JN 0054.00 Tape Std 84 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date 2/57
Indexed C. Johnson
F. B. 2247 103
1) 141 49 10
4) 207 17 00
6) 130 [illegible] 40
Av) 141 [illegible] 16 2/3
Adj) 141 49 20
1) 122 25 00
4) 129 40 20
6) 14 30 20
Av) 122 25 03 1/3
Adj) 122 25 00
19 24 10
17 37 10
116 26 00
19 24 20
W.S. 45 D-2
Contd on page 104
S 5° E
Crest of Ridge
48+91.03
R/L 22
Cut bench & set 1" IP cem pl. Tg & Br Br. 15 W of crest of Ridge betw. Ruby Cn & Monrovia Cn (Trib.)
TIN
R11W
31.65
302.66 calc.
438.27 calc.
135.61 calc.
106.62 calc.
Ruby Cn
Descending
RANDOM LINE
SECTION 14
SEC. 11
122°-25'-00"
49'-20"
226.09
S 10° E
Crest of Spur
44+52.76
R/L 21
Cut bench on sharp spur & set 1x2 En (This spur is highest point between Clamshell Cn & Monrovia Cn
1) 68.77 @ 4°09 (T=68°) = 68.58
2) 68.60 @ 1°01 " = 68.58
Avg = 68.58
Contd from page 102
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
700 Los Angeles County Engineering Bldg.
76F3095 S&E #247 1-56

PLEASE 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 this side of this line.



Notes Ck'd by GCSS	Survey of Lux Arborfarm
Map No.	JN 00 54.04 Rope Std 54 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 2-157
Date	Indexed C. Johnson

T. B. 2219 PG. 105

13

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
700 Los Angeles County Engineering Bldg.

cont'd. on page 106

Ascending

SECTION LINE

211.33'

5.20° Drain

55+02.55 R/L 29 cut bench & set 1x2 in on steep rocky slope

Descending

186.85' 120± DRAIN

53+15.70 R/L 28 cut bench & set 1x2 in (in swale)

Descending

RANDOM LINE

R/L 27A = E-19

53+11.53 R/L

3.56' 3.62'

SEE PG 130

51+92.12 R/L 27 cut bench & set 1x2 in (in swale)

SEC.

75.22'

cont'd from page 104

1) 122.50 @ 18°41'40" (T=56') = 211.33'
2) 122.07 @ 18°46'00" (T=56') = 211.30'
3) 122.56 @ 18°46'00" (T=56') = 211.33'
4) 122.56 @ 18°46'00" (T=56') = 211.33'
Ahd

1) 150.46 @ 34°57'40" (T=46') = 123.55'
2) 151.48 @ 35°19'00" (T=46') = 123.58'
3) 151.48 @ 35°19'00" (T=46') = 123.58'
4) 151.48 @ 35°19'00" (T=46') = 123.58'
Ahd

1) 216.80 @ 30°42' (T=64') = 186.85'
2) 217.34 @ 30°42' (T=64') = 186.85'
Ahd

1) 150.46 @ 34°57'40" (T=46') = 123.55'
2) 150.46 @ 34°57'40" (T=46') = 123.55'
3) 150.46 @ 34°57'40" (T=46') = 123.55'
4) 150.46 @ 34°57'40" (T=46') = 123.55'
Ahd

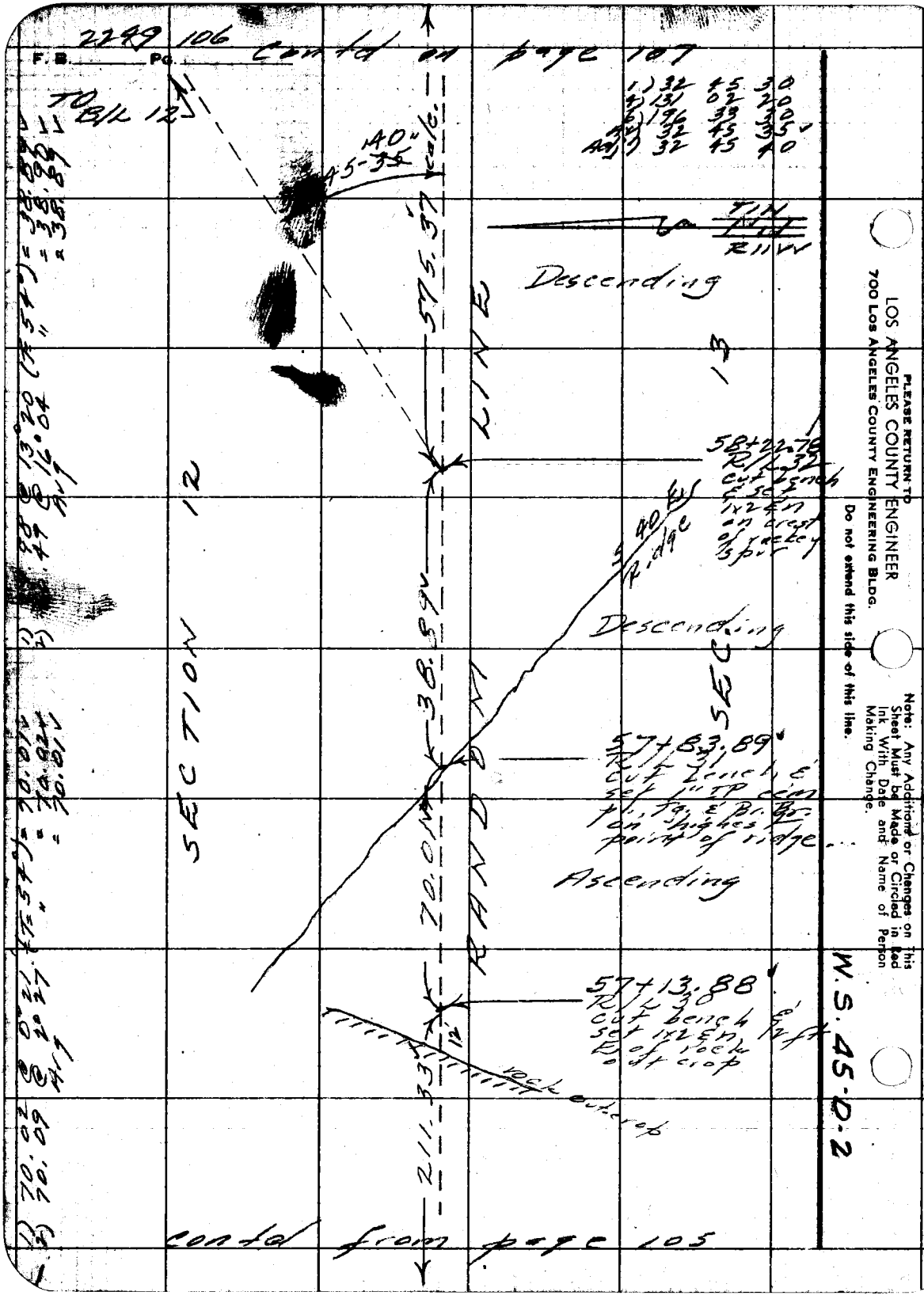
1) 176.85 @ 30°30' (T=77') = 156.82'
2) 217.21 @ 30°30' (T=77') = 186.82'
Ahd

SECTION 11

SECTION 12

SEC.

76F3095 · S&E #247 1-56



F.B. 2249 106 Pg.
Contd on page 107
TO B/L 12
1) 32 45 30
4) 131 02 20
6) 196 33 30
Adj 32 45 35
Adj 32 45 40
140"
45-35
575.37 calc.
T1N
R11W
Descending
LINE
13
58+22.78
R/L 32
cut bench & set 1x2 En on crest of rocky spur
S 40 E Ridge
Descending
SECTION 12
38.89
RANDOM
57+83.89
R/L 31
cut bench & set 1" IP cem pl. Tg. & Br. Br. on highest point of ridge
Ascending
70.01
57+13.88
R/L 30
cut bench & set 1x2 En 12 ft E of rock outcrop
rock outcrop
211.33
12
1) 70.02 @ 0°21' (T=54°) = 70.01
2) 70.09 @ 2°27' " = 70.02
Avg = 70.01
1) 98 @ 13°20' (T=54°) = 38.89
2) .47 @ 16°04' " = 38.90
Avg = 38.89
contd from page 105
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
W.S. 45-D-2

Notes Ck'd by GOSS	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 2/57
Date	Indexed C. Johnson

F. B. 2249 PG. 107

W.S. 45-D-2

Contd on pg 108

T1N
R11W

Descending

64+32.19
R/L 34
cut bench & set 1x2 EN on E side crest of ridge

Descending

63+98.15
R/L 33
cut bench & set 1" IP cemp. Tg & Br. Hr. on crest of ridge

B/L 12 set 1x2 EN on crest of ridge & at top of bk

B/L 11 set 1x2 EN

B/L 10 set 1x2 EN on slight rise

274.84

34.04

12

13

LINE

S15°E

420.80

53.09

205.50

162.21

47°43'25"

99°30'55"

S15W

ridge

From R/L 32 pg. 106

SECTION

RANDOM

575.37 calc.

1) 176.23 @ 22°59 (F64°) = 162.22
2) 175.27 @ 22°15 " = 162.20
Avg = 162.21

1) 229.10 @ 26°13 (F68°) = 205.51
2) 230.07 @ 26°43 " = 205.49
Avg = 205.50

1) 56.60 @ 20°15 (F66°) = 53.09
2) 57.10 @ 21°32 " = 53.10
Avg = 53.09
TOTAL = 420.80

SECTION

1) 34.04 @ 0°15 (F64°) = 34.04
2) 34.11 @ 3°34 " = 34.04
Avg = 34.04

1) 288.85 @ 17°54 (F62°) = 274.85
2) 289.04 @ 18°00 " = 274.84
Avg = 274.84

1) 99 30 50
2) 38 03 40
3) 237 05 20
Avg 99 30 53 1/3

1) 47 43 30
2) 190 53 50
3) 286 20 40
Avg 47 43 26 2/3

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

Do not extend this side of this line.

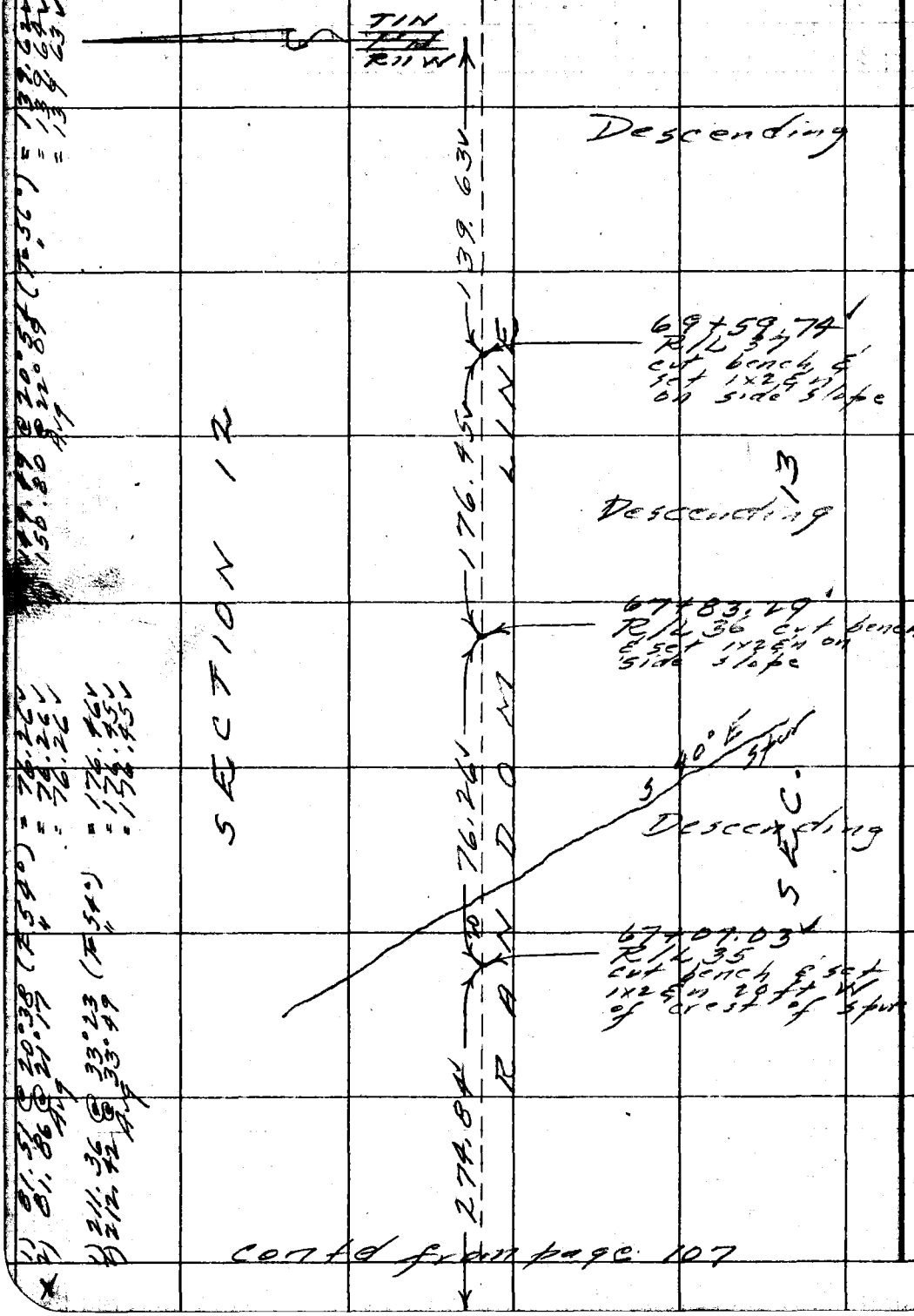
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 S&E #247 1-56

contd from page 106

F. B. 2249 Pg. 108

Contd on page 109



1) 81.51 @ 20°38 (F 54°) = 76.26V
2) 81.86 @ 21°17 " = 76.26V
Avg = 76.26V

1) 211.36 @ 33°23 (F 54°) = 176.46V
2) 212.42 @ 33°49 " = 176.45V
Avg = 176.45V

1) 149.49 @ 20°54 (F 56°) = 139.62V
2) 150.80 @ 22°09 " = 139.64V
Avg = 139.63V

Contd from page 107

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

Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape ___ Std 84 °F
Office Work	Surveyed by RJ Mitchell
Checked	Notes Mitchell Date 3/57
Date	Indexed L. C. Johnson

F.B. 2749 Pg. 109

contd on page 110

T1N R11W

75+30.83 R/L 41 cut bench & set 1x2 on ch. pt.

Sharp Assent 13

74+11.93 R/L 40 cut bench in steep side slope & set 1x2 on E. side Monrovia Cn.

Thread of stream - Monrovia Cn - south (50 ft wide)

Trail From Falls to Park →

71+17.87 R/L 39 set nail

Descending

70+99.37 R/L 38 set 1x2 on very small spur on W. side Monrovia Cn

Descending

SECTION 13

SECTION 12

RANDOM LINE

144.30

118.90

294

118.75 (138 @ 20° =)

139.63

1) 154.69 @ 39°45'20" (Tw 64) = 118.90
2) 155.63 @ 40°10'40" = 118.90
Avg = 118.90

1) 185.94 @ 38°54'00" (Tw 65°) = 144.30
2) 186.36 @ 39°14'40" (Tw 68°) = 144.31
Avg = 144.30

1) 18.98 @ 9°00' (Tw 60°) = 18.75
2) 18.93 @ 7°53' = 18.75
3) 18.96 @ 8°11' = 18.75
Avg

1) 299.59 @ 10°53' (Tw 56°) = 294.05
2) 299.40 @ 10°45' = 294.10
3) 299.79 @ 11°06' = 294.11
Avg

contd from page 108

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.

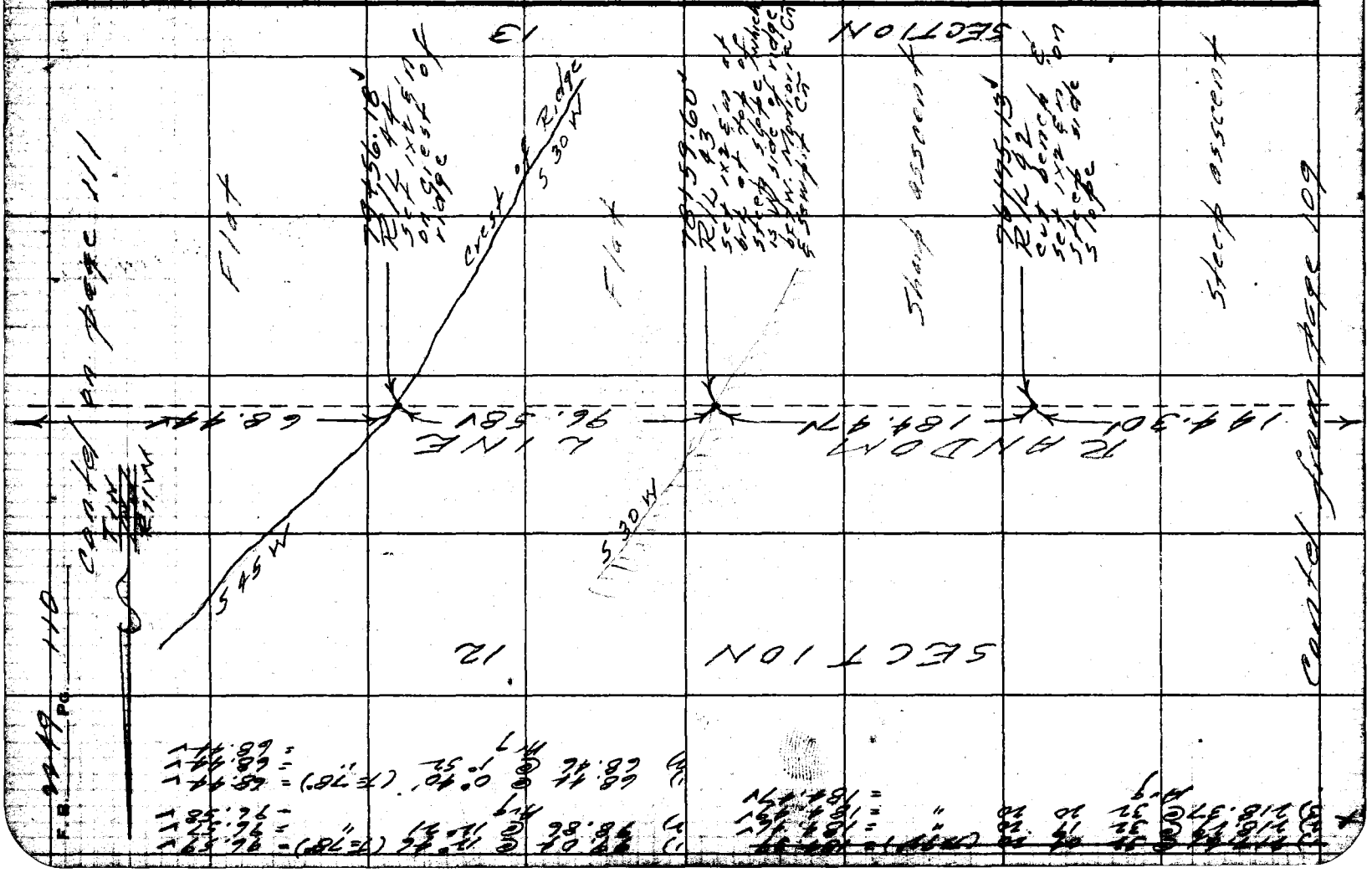
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

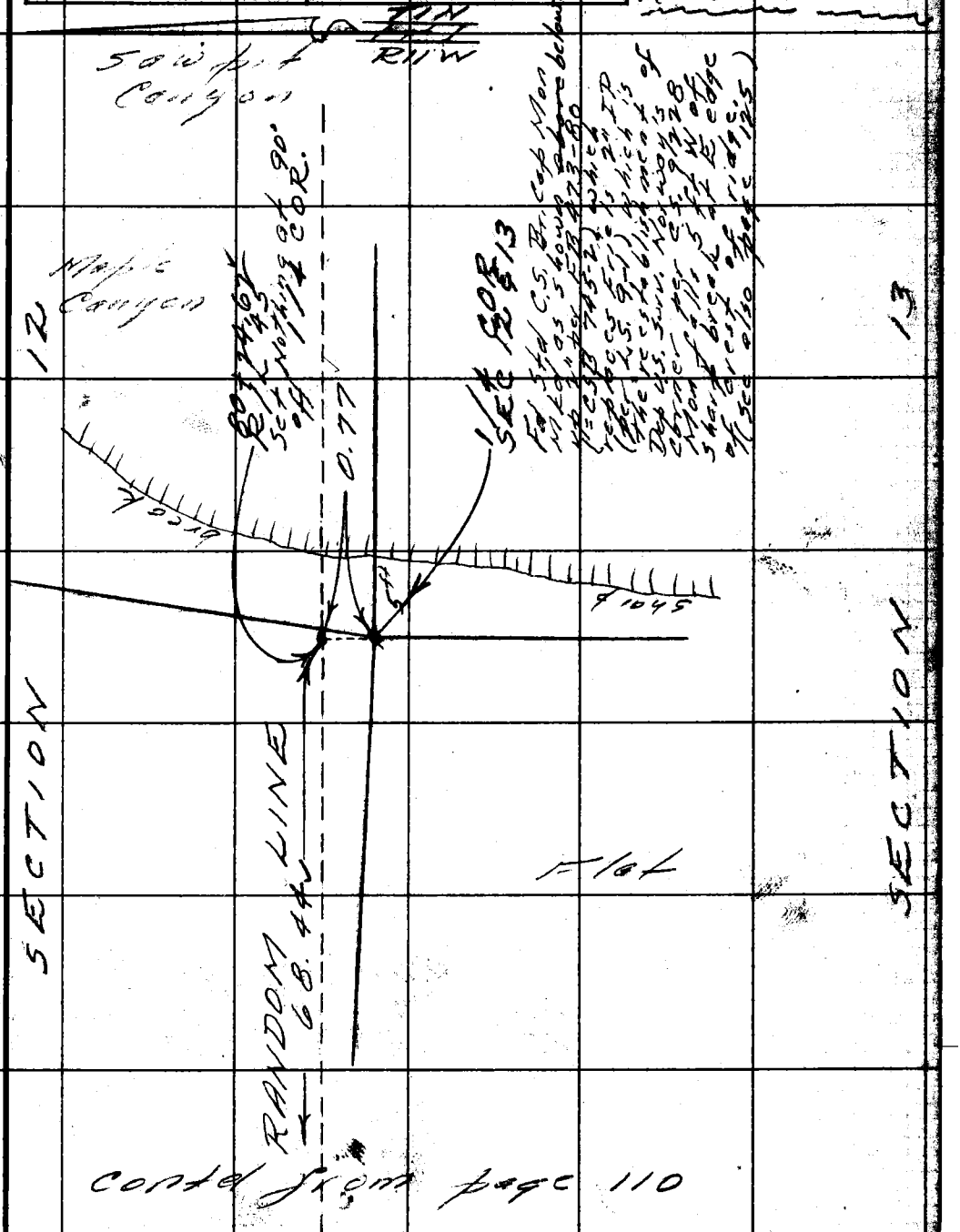
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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 this side of this line.


SECTION
SECTION
12
S 45 W
S 30 W
S 30 W
Crest of Ridge
Crest of Ridge
Crest of Ridge

Notes Ck'd by Goss	Survey of Lux Arboretum	F. B. 2249 Pg. 111
Map No.	JN 0054.00 Tape Std 84 °F	Most Ely Point on This Random Line
Office Work	Surveyed by R.J. Mitchell	
Checked	Notes Mitchell Date 3/57	
Date	Indexed A. C. Johnson	



Contd from page 110

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

F. B. 2149 PG. 112

NOTES - Contd fr. pg. 94

9. (contd) of similarity indicating a position for the N ¼ Cor Sec 14 and the NE Cor Sec 14 far removed (about 600 ft W & 250 ft S) from the position indicated by the other elements of the survey. I search in these locations but since I find no evidence of the stones called for I conclude that the topog "calls" are erroneous.

10. I continue East along the random line to the N ¼ Cor of Sec 13 which was reported lost by Friel - LS 9-1 (1919) & reestablished by him using topographic calls & true direction as given by W.H. Norway (Dep U.S. Surv.) - CS 92-52 (1876). Friel's point was later perpetuated by Dep. Co. Surv. C.A. Benson - CSB 745-2 (1932) & is now marked by a C.S. Monument.
The total distance chained agrees closely with that chained by Dep. Co. S. Stevenson (CSB 745-2 shows 8023.29 - My meas. is 8024.62) therefore I conclude that the chaining is free from mistakes. While the distance thus obtained is somewhat greater than that shown by Cutting (7962.90 ft) I conclude (giving consideration to the accuracy probably prescribed for Cutting's work & to the method of perpetuation by Friel) that the proper line has been run over and that the NE Corner of Sec 14 and the N ¼ corner of Sec 14 are LOST corners. (see also note #3 above.)

12. I find no topography along the above run line to compare with that shown for the N line Sec. 14 by Dep U.S. Surv.

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

Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 005400 Tape Std °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 1957
Date	Indexed A. C. Johnson

F. B. 2249 PG. 113

NOTES - Contd from pg 112

12. (contd) Geo. W. Pearson - CS 9253 (1884) I conclude that the topog shown by Pearson is erroneous (or fradulent).

13. I then go to the E 1/4 Cor of Sec 14 and proceed North - See page 121 and following.

14. See pgs 154-157 for calculation of location of NE Cor of Section & of N 1/4 Cor of Section

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3098 S&E #247 1-56

Notes Ck'd by Goss	Survey of Lux Arboretum	F.B. 2249 Pg. 119
Map No.	W. O. 0054.00 Tape No. St'd. 84 °F	
Office Work	Surveyed by Mitchell	
Checked	Notes Mitchell Date 1957	
Date	Indexed R. C. Johnson 8-12-57	

E. LINE ~ SEC. 14
T1N ~ R11W

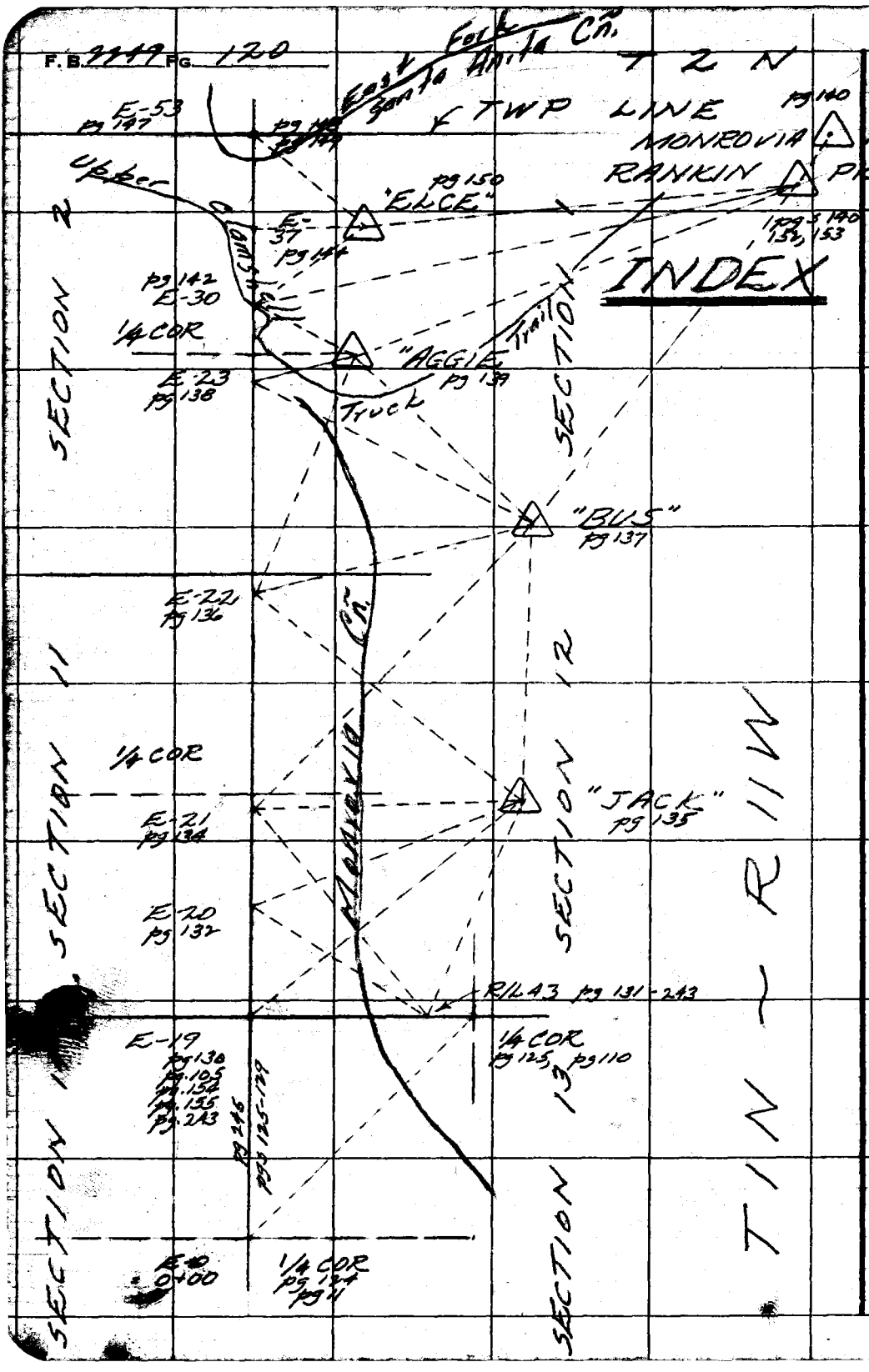
INDEX

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 SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 S&E #247. 8-54



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 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 Goss	Survey of Lux Arboretum	F. B. 2247	Pg. 121
Map No.	JN 0054.00 Tape 65 Std 84 °F		
Office Work	Surveyed by R.J. Mitchell		
Checked	Notes Mitchell Date 7/57		
Date	Indexed 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.

Do not extend this side of this line.

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

SURVEY OF
E. LINE ~ SECTION 14
T1N ~ R11W
(NORTH FROM E.1/4 COR.)
FOR
LUX ARBORETUM

JN 0054.00

~ INDEX ON PG 120 ~

R J Mitchell - chf.
L.C. Smiley - T & chf.
J E Henderson - H.C. March, 1957
M.L. Bustrum - RC TO
T.B. Tracy - R.C. July, 1957
D.L. Arturi - R.C.
G.R. Merino - H.C. & Transit.

K & E # 104952
Gurley # 550487

Angles turned by Smiley ~~with K&E~~ unless otherwise noted

78F3095 SAE #247 1-56

F. B. 2099 PG. 182

NOTES

1. At the E¼ Cor Sec 14 (described on pg. 10 & shown on pgs 11 & 124) I set off a bearing of North (approx) and proceed along this random line. This portion of the E line of Sec. 14 has not - according to records available in the field been previously surveyed by any surveyor (U.S. or other) except the first 2 chains. (See Note #1 pg 10)
2. I intersect the random line to the North line of Sec 14 (see pg 94) at very nearly 40 chains giving further support to the conclusion that the NE Cor Sec 14 is lost.
3. Continuing North the slopes are so steep, the topography so rough, & the canyon bottoms so densely covered with brush & trees that I determine the only reasonable method of continuing to be by triangulation.
4. I compare the distance chained from the intersection (of the random lines) East to the N¼ Cor Sec 13 with that chained from the South from the E¼ Cor of Sec 14 by triangulation & find the distances to be free from mistake. I then elect to use a portion of the line running E as a base line.
5. Continuing North I find no topography to compare with that shown by Dep. U.S. Surveyor Pearson - CS 9753 (1884). I conclude that that shown by Pearson is erroneous (or fraudulent).
6. After reaching the crest of the divide it again becomes possible to chain tho the slope is steep & the brush

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

Notes Ck'd by Goss	Survey of Los Alamitos
Map No.	JN 0054.00 Tape 65 Std 84 °F
Office Work	Surveyed by R.T. Mitchell
Checked	Notes Mitchell Date 7/27
D[illegible]	Indexed E. C. Johnson

F. B. [illegible] Pg. 123

NOTES - contd from pg 122

6. (contd.) is heavy. The line continuing North from Sta E-19 to E-30 is used as a check on the triangulation.
7. Stations "RANKIN PK" & MONROVIA MT. (pg 120) were used to provide for the coordination of this survey with that of the Co. F.C. Dist. whose party is now active in the field in this area. Sta "RANKIN PK" was also used to provide checks on the chaining & angular observations continuing N.
8. Station "ELCE" was introduced to provide a check on the chaining continuing N from Sta. E-37, pg 114.
9. I find the NE Cor, Sec 2, T1N R3W reestablished by U.S. Transitman R.F. Wilson - CS 9370 (1927).
10. Comming back (South) I calculate the "ties & offsets" to the E 1/4 Cor Sec 2 (from the random line to a tie line connecting the E 1/4 Cor Sec 14 with the NE Cor Sec. 2), set a flag at this point & make a search in the vecinity. I find nothing.
11. At the NE Cor Sec 11, I tie a flag, make a search, & find nothing.
12. At the E 1/4 Cor Sec 11, I tie a flag, make a search & find nothing.
13. The resurvey of portions of T2N R11W by Dep U.S. Surveyor Averill C.S. 9370 (1927) failed to find the NE. cor Sec 11.

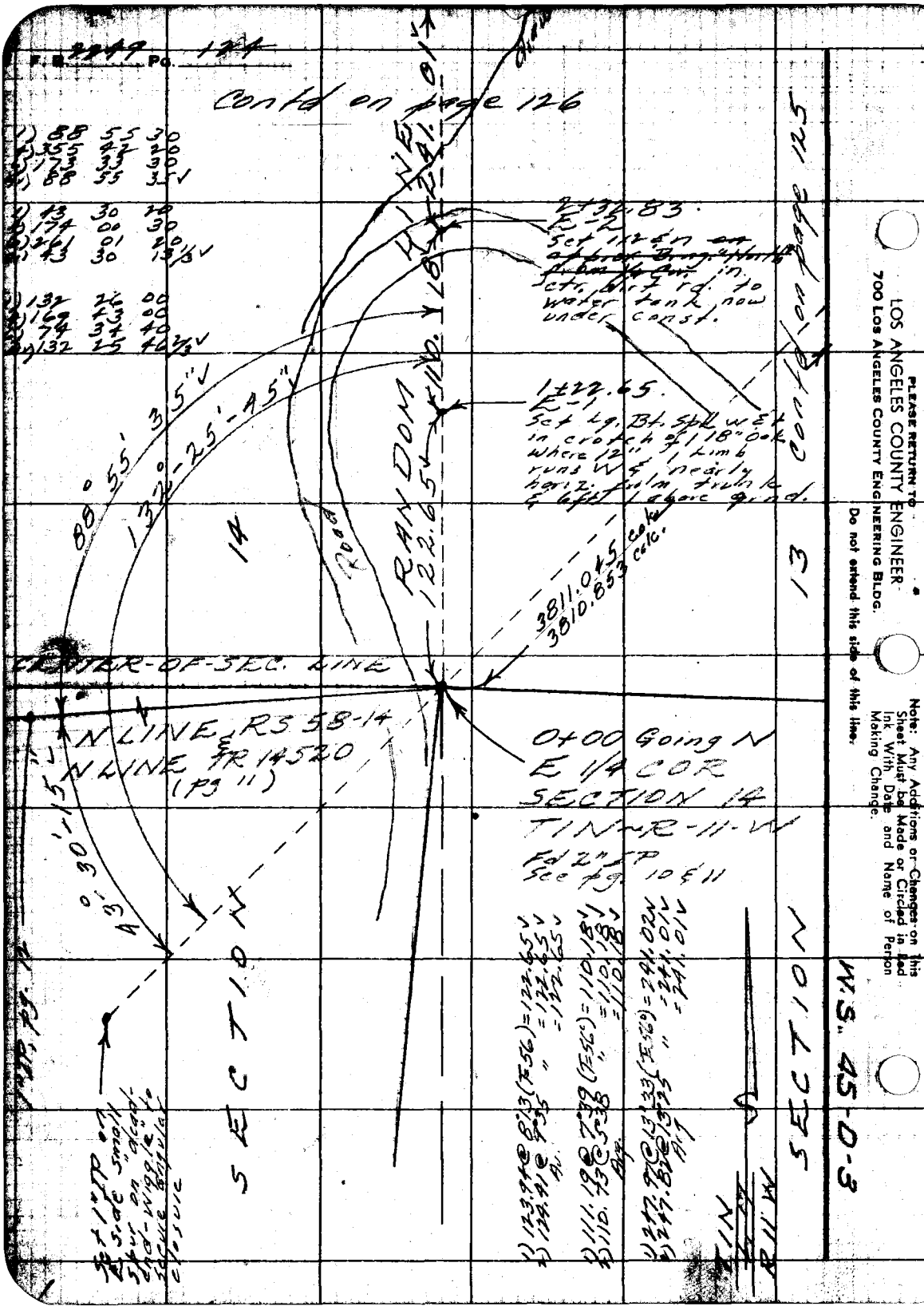
Contd on page 151

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
700 Los Angeles County Engineering Bldg.

76F3088 SEE #247 1-56



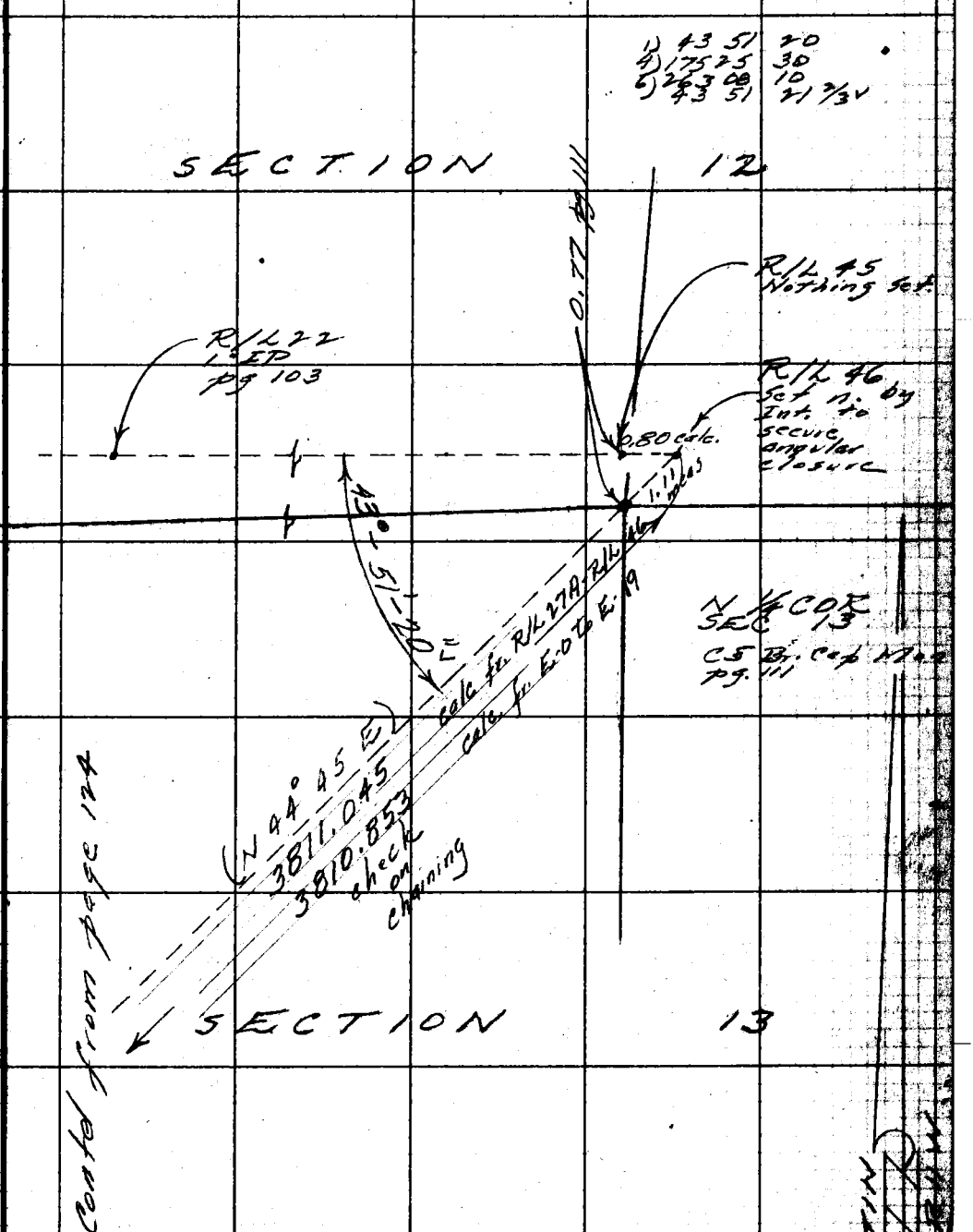
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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

Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 65 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Date 3/57
Date	Indexed C. Johnson

F. B. 2249 Pg. 125

W.S. 45-E-2



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

Do not extend this side of this line.

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

76F3095 S&E #247 1-56

F. B. 2249 Pg. 126

Contd on page 127

Ascending

draw

draw 5 30° E

273.38

6+71.25
E-6
Set 1x2 & n ch. pt.
top of rock
outcrop

Gentle Ascent

13

6+29.60
E-5
Set 1x2 & n ch. pt.
top of rock
outcrop

Gentle Ascent

draw

6+02.93
E-4
Set 1x2 & n. ch. pt.

Gentle Ascent

4+73.84
E-3
Set 1x2 & n on
approx Brng
"NORTH" from
1/4 Cor. Will use
this direction
for Random Line
Going North ~ CSB
745-2 is basis
of brngs.

SEC.

RANDOM LINE

41.65

26.67

129.09

241.01

SECTION 14

1) 42.07 @ 7°57 (T=62°) = 41.66
2) 41.76 @ 4°14 " = 41.64
Avg " = 41.65

1) 300.25 @ 24°25 (T=62°) = 273.36
2) 300.58 @ 24°32 " = 273.40
3) 300.83 @ 24°39 " = 273.38
Avg " = 273.38

1) 133.35 @ 14°29 (T=52°) = 129.08
2) 133.09 @ 14°01 " = 129.10
Avg " = 129.09

1) 30.40 @ 28°38 (T=56°) = 26.68
2) 29.59 @ 25°37 " = 26.67
Avg " = 26.67

Contd from page 124

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

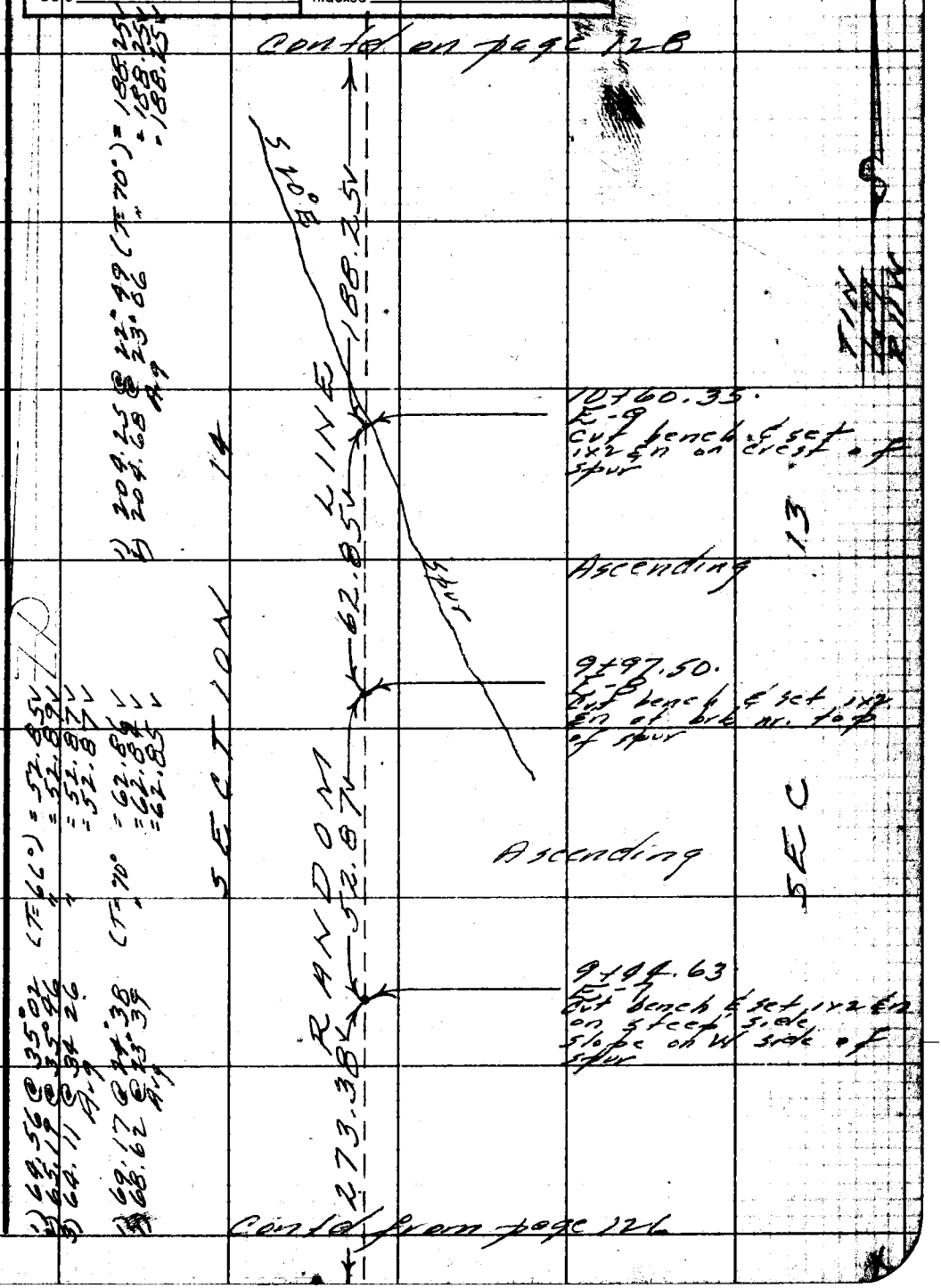
Do not extend this side of this line.

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

Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 65 Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes Date 3/57
Date	Indexed A. C. Johnson

F. B. 2249 Pg. 127

Cont'd on page 128



Cont'd from page 126

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

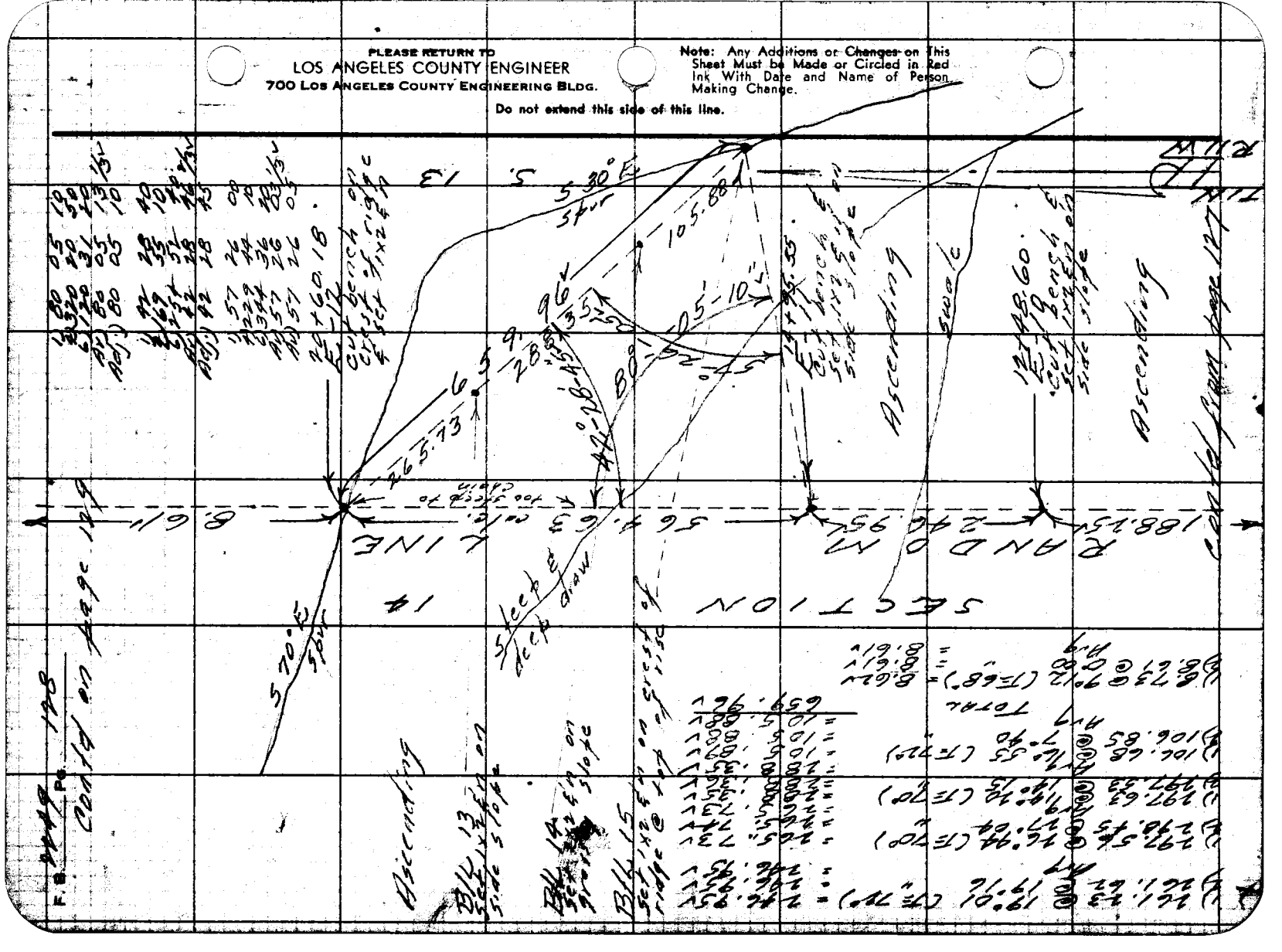
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3095 S&E #247 1-56

PLEASE 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 this side of this line.



Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 65 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Date 4/57
Date	Indexed R. C. Johnson

F. B. 2149 PG. 129

W.S. 45-D-2

contd on page 130

Ascending

25+10.83
E-16
cut bench on steep side slope & set 1x2 E n

Ascending

S 75 W

draw

draw

R/L 33 pg 107

Monrovia

Descending

draw

(No Scale)

See Note # 15 pg 151

22+34.80
E-15
set 1x2 E n on steep side slope

Descending

22+10.42
E-14
cut bench & set 1x2 E n on steep side slope

Descending

TO R/L 33 pg 107

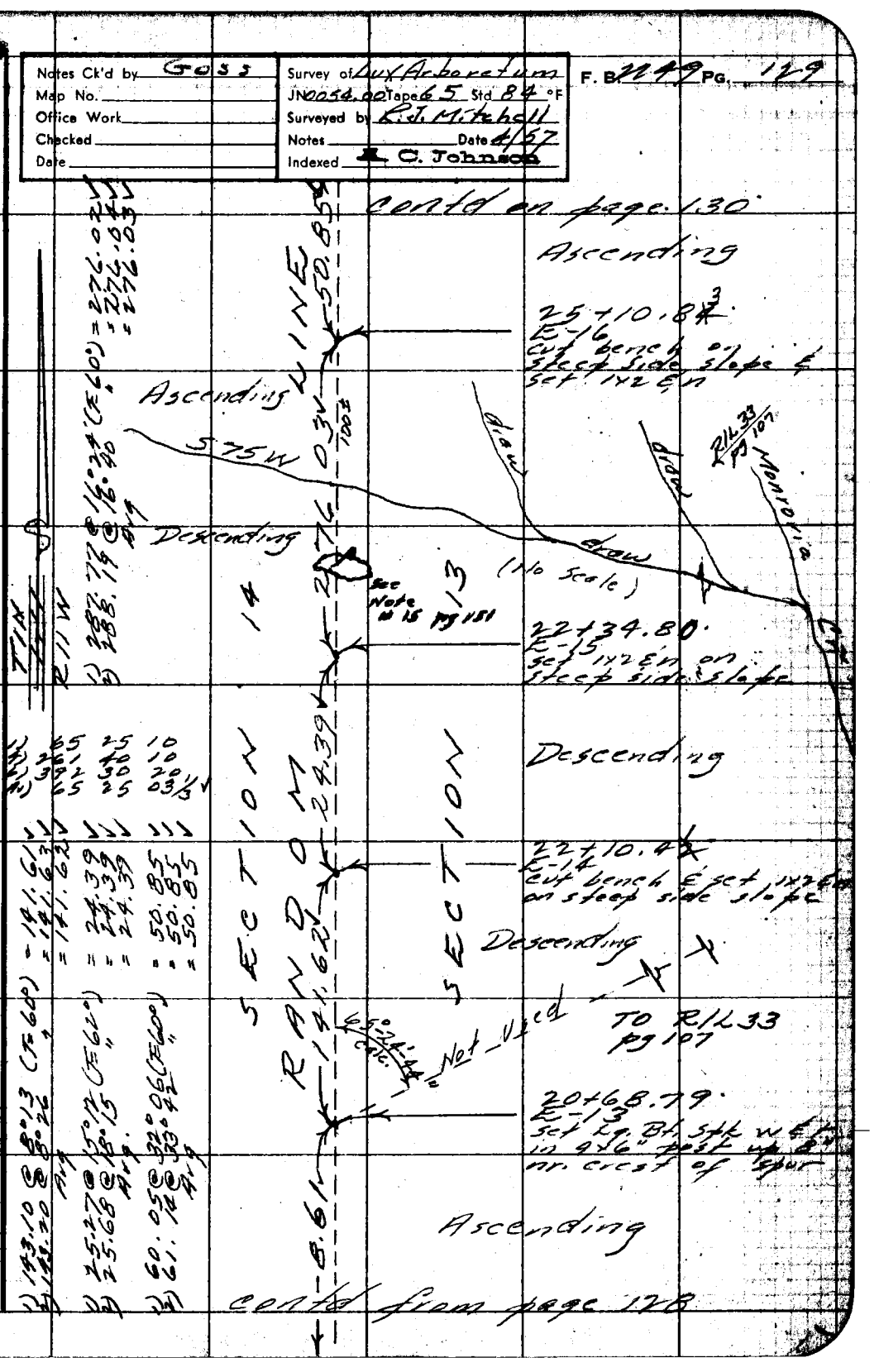
Not Used

65°-24'-44" calc.

20+68.79
E-13
set Lg. Bt. Spk w & t in 4x6" post up 8" nr. crest of spur

Ascending

contd from page 128



TIN
R11W

1) 287.77 @ 16°24' (F 60°) = 276.02
2) 288.19 @ 16°40' " = 276.04
Avg = 276.03

1) 65 25 10
2) 261 40 10
3) 392 30 20
4) 65 25 03 1/3

1) 143.10 @ 8°13 (F 60°) = 141.61
2) 143.20 @ 8°26 " = 141.63
Avg = 141.62

1) 25.27 @ 15°12 (F 62°) = 24.39
2) 25.68 @ 18°15 " = 24.39
Avg = 24.39

1) 60.05 @ 32°06 (F 60°) = 50.85
2) 61.14 @ 33°42 " = 50.85
Avg = 50.85

SECTION 14 RANDOM LINE SECTION 13

50.85

276.03

100±

24.39

141.62

8.61

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.

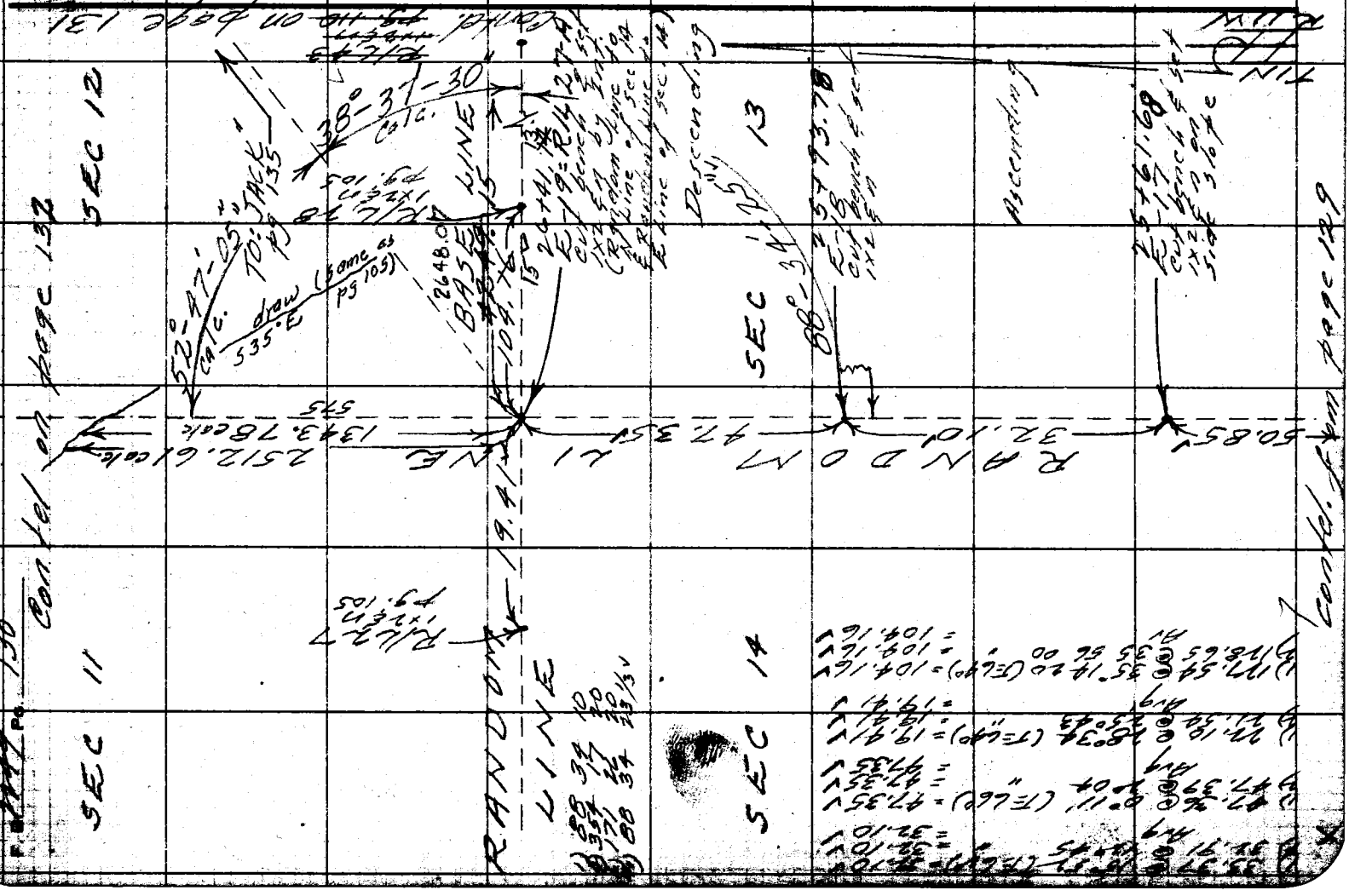
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

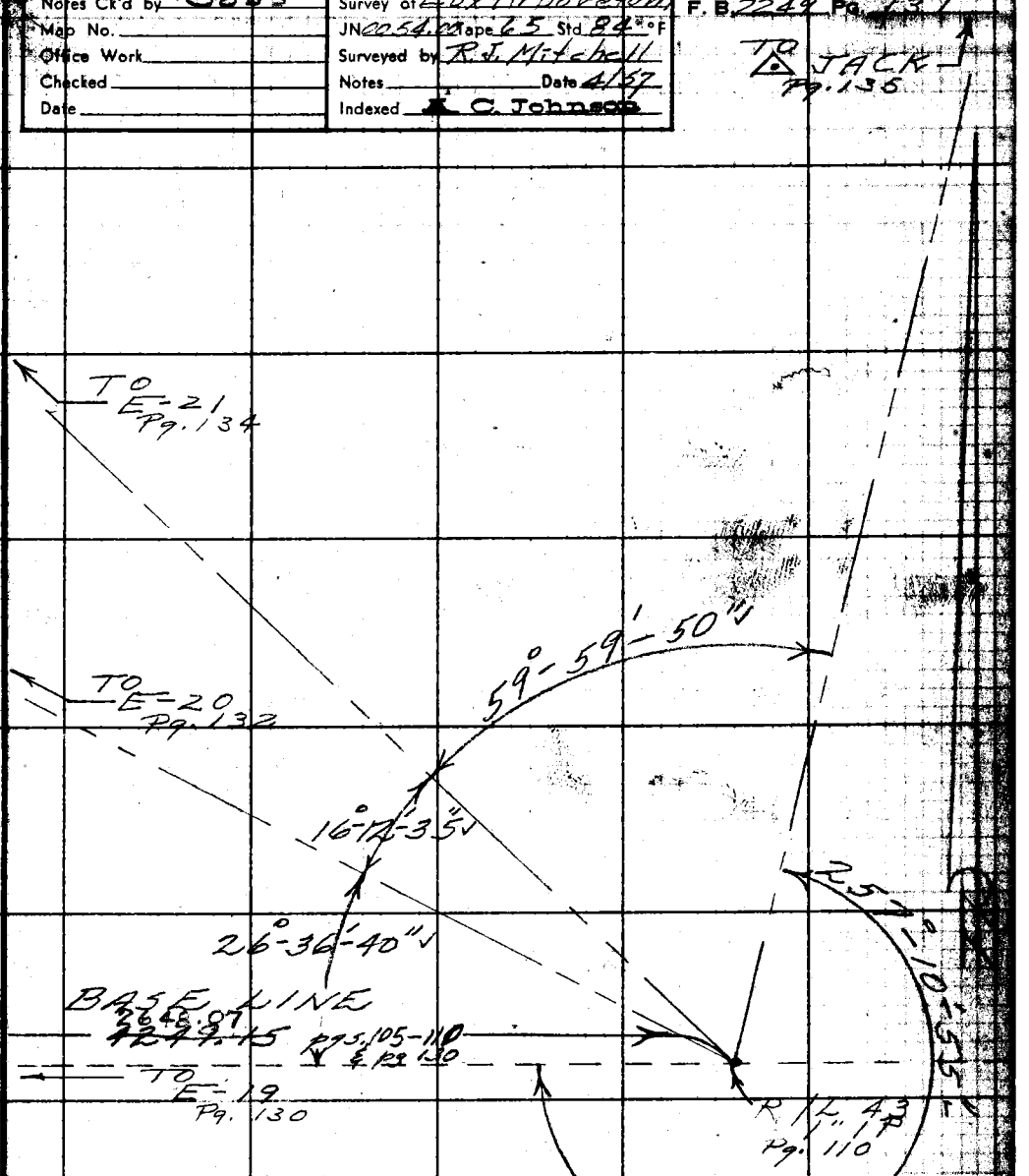
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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 this side of this line.



Notes Ck'd by Goss	Survey of Lux Arboretum	F. B. 2249 Pg. 131
Map No.	JN 0054.00 Tape 65 Std 84° °F	
Office Work	Surveyed by R. J. Mitchell	
Checked	Notes Date 4/57	
Date	Indexed C. Johnson	



1) 26-36-40	1) 16-12-30	1) 60-00-00	1) 257-11-00
4) 106-26-20	4) 64-50-00	4) 239-59-30	4) 308-44-00
6) 159-39-40	6) 97-15-00	6) 359-59-20	6) 103-06-00
Av. 26-36-36 2/3	Av. 16-12-30	Av. 59-59-53 1/3	Av. 257-11-00
Adj. 26-36-40	Adj. 16-12-35	Adj. 59-59-50	Adj. 257-10-55

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

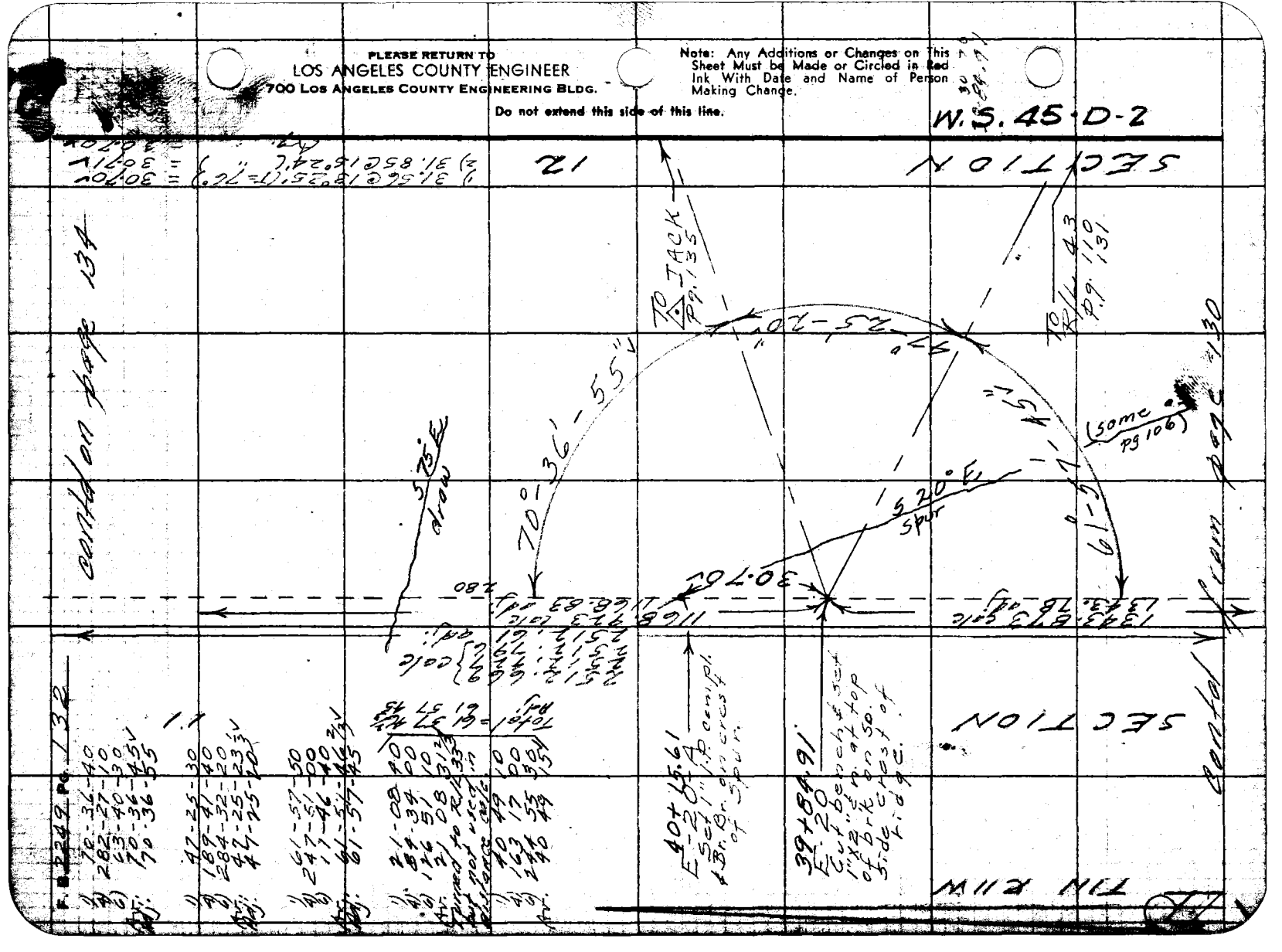
76F3098 S&E #247 1-56

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

Do not extend this side of this line.

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

W.S. 45-D-2


SECTION 21
SECTION
SECTION
TO TRACK Pg. 135
TO TRACK Pg. 131
(some Pg 106)
70°-36'-55"
5 75° E
draw
5 20° E
spur
30°-20'
30°-19'
30°-20'
1343.87 to c
1343.87 to c
1128.83 to c
1128.83 to c
1128.83

Cont'd. Pg. 136

F.B. 2249 Pg. 134

1) 44-20-00
4) 177-20-00
6) 265-59-40
Av. 44-19-56 2/3 ✓
Adj. 44 20 00

1) 45-48-00
4) 183-12-40
6) 274-48-40
Av. 45-48-06 2/3 ✓
Adj. 45-48-10

1) 44-06-50
4) 176-47-20
6) 264-41-00
Av. 44-06-50 ✓
Adj. 44-06-40

11

Same as Pg. 107

E-21-A
Set 1" x 2" E.N. on line on crest of spur.

51+53.74
E-21
Set 1" I.P. cnd. pl. & brbr en bench cut on brk. on S.W. side of Crest of Spur.

1) 45 45 10
4) 183 00 20
6) 274 30 40
Av. 45 45 06 2/3 ✓
Adj. 45 45 10

1) 135 40 10
4) 182 48 40
6) 94 01 10
Av. 135 40 11 2/3 ✓
Adj. 135 40 00

SECTION 11

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

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

1 Cont'd. from Pg. 132

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

Survey of L.U.X. Arboretum
JN CC54.00 Tape 65 Std 24 °F
Surveyed by C.J.M. Feb. 57
Notes
Date 4/57
Indexed C. Johnson

F.B. 2249 Pg. 135

W.S. 45-E-2

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

Do not extend this side of this line.

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

76F3098 SSE #247 1-56

F.B. 2249 Pg. 136

1) 180 00 20
2) 360 01 30
3) 360 02 40
4) 180 00 26 2/3 ✓
Turned to trial pt @ E-23
Adj. pt. @ E23 0.30 East
Then returned angle
1) 180 00 00
2) 360 00 10
3) 359 59 50
4) 179 59 58 1/3 ✓
A) 180 00 00

1) 22 22 10
2) 89 28 40
3) 134 13 10
4) 22 22 11 2/3 ✓
A) 22 22 10

1) 54 29 10
2) 217 57 20
3) 326 56 10
4) 54 29 21 1/3 ✓
A) 54 29 20

1) 53 00 50
2) 212 04 00
3) 318 06 00
4) 53 01 00 ✓
A) 53 01 05

1) 50 07 30
2) 200 30 00
3) 300 44 50
4) 50 07 28 1/3 ✓
A) 50 07 25

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

Do not extend this side of this line.

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

W.S. 45-D-2

Notes Ck'd by Goss	Survey of Lux Arboretum F. B. 2449 Pg. 137
Map No.	JN C05400 Tape 65 Std 84 °F
Office Work	Surveyed by C.J.M. Fabell
Checked	Notes C. Johnson Date 4/87
Date	Indexed

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
700 Los Angeles County Engineering Bldg.

7SF3008 SEE #247 1-86

W.S. 45 - E-1

TO △ AGGIE pg. 139

15°08'10" 10 E-23 pg. 138

84°-36'-30" 229° TO RANKIN Peak pg. 140

△ BUS Set 1" IP C&M 1.5' E & 0.4' N of top of Shack drive on roadway Spur

41°-03'-05" 56°-11'-15" 73°-59'-00" 41°-27'-30"

TO E-22 pg. 136

3572.669

TO: E-21 pg. 132

TO △ JACK pg. 135

1)	56 11 10	1)	15-08-10
4)	124 44 30	4)	60-32-30
6)	337 06 50	6)	90-46-30
Ar)	56 11 08 ✓	Ar.	15-08-20
Adj)	56 11 15	Adj:	15 08 10
1)	73 58 50	1)	145-13-00
4)	295 56 00	4)	220-53-00
6)	83 54 10	6)	151-19-10
Ar)	73 59 01 ✓	Ar.	145-13-11 ✓
Adj)	73 59 00	Adj:	145-13-15
1)	41-28-00	1)	32-31-30
4)	165-50-10	4)	130-06-00
6)	248-45-10	6)	195-09-00
Ar)	41-27-31	Ar.	32-31-30
Adj)	41-27-30	Adj:	32 31 30
1)	41-03-30	1)	229-49-40
4)	164-13-00	4)	199-19-10
6)	246-19-30	6)	298-58-40
Ar)	41-03-15 ✓	Ar.	229-49-40
Adj)	41-03-05	Adj:	229-49-40
1)	84-36-00		
4)	338-25-30		
6)	147-38-30		
Ar)	84-36-20 ✓		
Adj)	84 36 30		

F. B. 2249 Pg. 138 ~~136~~

1) 62 05 30
2) 248 22 15
3) 372 33 15
4) 62 05 31 1/4
A: 62 05 25

1) 5 55 00
4) 23 40 00
6) 35 30 00
Av) 5 55 00 ✓

Cont'd on pg 141

1) 298.55 @ 4°44' (Tape) = 297.44
2) 298.67 @ 4°52' " = 297.49
Avg = 297.47

1) 40 54 15
2) 163 40 30
3) 245 31 00
4) 40 55 10
A: 40 55 20

R.J.M. S. Gurley

108+55.09
E-24
Set 1x2 Stn at top of brk on S side of Spur.

1) 103 00 40
2) 52 02 15
3) 258 03 45
4) 103 00 37 1/4
A) 103 00 45

Stadia
228 @ -30°34
= 169
less 15
154

Ascending

1091+57.62
E-23
Set 1" I.P. Galv. I. Cap
Edwll hole on crest of main ridge between Monrovia Cn and E. Fork Santa Anita Cn and 700 ft Wly from saddle on E side of Clamshell Pk. ~ Pt. is 3 in ctr of firebreak. Gone 3/31/59

No.	Brng.	[illegible]	Vert. Angle	[illegible]
①	N 64°40 W	570	+20°40	650
②	S 86°10 W	348	+21°02	400
③	N 80°20 W	83	+17°20	91
④	S 76°50 W	37	+17°20	42
⑤	N 70°45 E	91	-15°04	98
⑥	N 88°10 E	186	-10°40	193
⑦	N 79°40 E	272	-[illegible]	280
⑧	N 81°40 E	430	-6°50	433
⑨	S 88°40 W	672	+5°20	677
⑩	N 84°55 W	241	+20°46	252
⑪	N 79°40 E	364	-9°20	375

TRANSIT AT E-23

Note: Brng's. based on Brng of Random Line = NORTH

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

W.S. 45-D-1

cont'd from pg 136

Notes Ck'd by GOSS	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 65 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Date 4/57
Date	Indexed C. Johnson

F. B. 2249 Pg. 139

W.S. 45-D-1

1) 7 13 30
4) 28 53 00
6) 43 19 45
Av) 7 13 17½
Adj) 7 13 20

1) 165 35 30
4) 302 23 30
6) 273 35 45
Av) 165 35 57½
Adj) 165 36 00

RJM ~ Gurley

Fd. 7"x7" conc. post up 4" with 4" brass cap mkd "U.S. DEPT. of AGRICULTURE FOREST SERVICE" "200 Dollars Fine etc." "19" No Ref.

1) 54 37 00
4) 278 28 00
6) 307 42 15
Av) 54 37 02½
Adj) 54 37 05

1) 69 19 00
4) 277 18 00
6) 55 57 15
Av) 69 19 32½
Adj) 69 19 25

1) 63 13 30
4) 252 56 30
6) 379 24 45
Av) 63 14 07½
Adj) 63 14 10

RJM ~ Gurley

165°-36'-00"

TO E-30 Pg. 142

TO MONROVIA MTN. Pg. 140

TO RANKIN PK. Pg. 140

AGGIE.

41°-41'-15"

63°-14'-10"

7°-13'-20"

1239.303 c.
1239.155
1239.249 Adj.

E23

TO E-23 pg. 138

54°-37'-05"

69°-19'-25"

1) 41 41 30
4) 166 45 15
6) 250 07 45
Av) 41 41 17½
Adj) 41 41 15

TO BUS Pg. 137

Note: This Sta. as well as "RANKIN" & "MONROVIA PK." are on crest of same major ridge as CLAMSHELL PK

TO E-22 pg. 136

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 S&E #247 1-56

F.B. 2249 PG. 140

1)	18	09	45	2)	76	45	15	2)	606	
4)	77	37	45	4)	153	30	00	4)	133	56 00
6)	108	56	30	6)	230	15	30	6)	120	48 00
All)	18	09	45 ✓	All)	38	22	35 ✓	All)	303	28 00 ✓

for Monrovia Mt.

TO: MT. WILSON
Not Visited
Az. 98°-41'-54.68"
Bk. Az. 278°-38'-54.27"
5.1615 m. /

Fd. 4" Brass Disc. set in Conc. & Mkd "LOS ANGELES County Flood Control Dist. - 500 Dollars, etc - MONROVIA MT." and at Ctr. of "A" signal tower with staff 15' set above the mark, but is eccentric 0.16 on a brg. of 54° W from Sta.
Ref.: U.S.G.S.
"Lat. 34° 12' 48.267"
"Lon. 117 58 08.296"
"No. Am. Datum"

TO AGGIE. Pg. 139

138°-22'-35" ✓

18°-09'-45" ✓

303°-28'-00" ✓

30°-53'-39" Pg 153

RANKIN PEAK

Fd. A squared flagpole, set in a conc. block 18" x 18" x 12" high above ground, & marked on the South face with a brass plaque inscribed "Rankin Peak - In Memory of Rev. Edward Payson Rankin - Dedicated Jan. 22 1950 by Yucca Hiking Club"
34°-12'-30" N. 117°-58'-25" W.
Elevation 5290' (April '57)
Co. Eng. Dist. party now in field
plans to use this as "MONROVIA MTN."

SEE PG 152 FOR ANGLES AT THIS STA.

TO AGGIE Pg. 139

5.2 meas.

"RANKIN ECC" July '57 - Revisited this station and found it undisturbed. Co. Eng. Dist. party now in field. Plans to use this station as "RANKIN" Azimuth mark. Angle to occupied station from ecc. station is 138°-22'-35" Ecc. Dist. 1.52 m. See also Pg. 152

NOTE: Turned angle to center of "Sun-telescope" at Mt. Wilson which is the highest of the observatory towers. See U.S.G.S. description by Steele

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

Notes Ck'd by GOSS	Survey of Lux Arboretum
Map No.	JN 005400 Tape 65 Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes Date 5/57
Date	Indexed R. C. Johnson

F. B. 2249 PG. 141

W.S. 45-D-1

Cont'd. Pg. 142

112+23.30
E-27
Set: 1"x2" n. on bench on steep slope.

104.93

70.84

Ascending

LINE

111+52.46
E-26
Set: 1"x2" 8' n. on bench on steep slope.

2

SECTION

Descending

284.53

RANDOM

108+67.93
E-25
Set: 1" I.P. with Galv. I Cap (with drill hole) on crest of minor spur off Clamshell Pk.

spur

12.84

N. 80° 00' E.

1) 70.87 @ 0°19' (T=50°) = 70.85
2) 70.92 @ 2°17' (") = 70.84
Avg. = 70.84

1) 12.84 @ 0°00' (T=64°) = 12.84
2) 12.92 @ 6°30' (") = 12.84
Avg = 12.84

1) 294.47 @ -14°52' (T=44°) = 284.54
2) 294.74 @ -15°05' (") = 284.52
Avg. = 284.53

1) 105.45 @ 5°36' (T=50°) = 104.93
2) 105.62 @ 6°25' (") = 104.94
Avg. = 104.93

SECTION 1

Cont'd. from Pg. 138

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

78F309S S&E #247 1-56

Contd. btm Pg. 143

F. B. 2249 Pg. 142

1)	00	00	00
2)	20	05	45
3)	160	22	00
4)	220	33	00
Av)	40	05	30

1)	60	00	00
2)	100	05	30
3)	100	22	30
4)	180	33	30
Av.	40	05	35

114+97.08
E-30
Set: 1" I.P. with Galv. I. Cap with drill hole at ctr. near North edge of Upper Clamshell Truck Trail ~0.28 miles Wly. from Saddle shown on pg. 138 (along road) Gone 3/31/59 RSM

1)	61	19	20
2)	245	18	10
3)	07	57	20
4)	61	19	33 1/3
Av.	61	19	30

TO: E-36 Pg 144

Descending

E-29-3FT OFF
Set 1x2 En 3 ft W of E-29 and used this point to carry line N from E-36-3FT OFF"

113+70.16
E-29
Set: 1"x2" In. on steep slope

E-30 "3 FT OFF"
Nothing set at calc. pnt.

1.77 Calc.

114+95.31
E29A
Nothing

DETAIL

113+28.23
E-28
Set: 1" I.P. with Galv. I. Cap. with drill hole therein, on cut bench on steep slope.

SEC 2

SEC 1

Contd. from Pg. 141

Notes Ck'd by GOSS	Survey of Lux Arboretum
Map No.	JN 005402 Tape 65 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes LCS. Date 5/57
Date	Indexed K. C. Johnson

F. B. 2249 Pg. 143

Cont'd. Pg. 144

Cont'd. from top Pg. 143

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

Do not extend this side of this line.

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

76F305S S&E #247 1-56

Cont'd on bot pg 145

1) 94 24 30
2) 17 26 30
6) 206 10 00
Av. 94 21 40✓

1) 3 08 00
2) 12 31 45
6) 18 47 30
Av) 3 07 55✓

3°-07'-55"

Descending

30" Pine

TO: RANKIN PK.
Pg 140

123+35.80:
E-37-3FT OFF
Set 1x2 En
betw. two lg. Bldrs.
on steep side
slope. (Dn. N70E)

Nothing
@ Int.

0.23 calc.

TO
"EL-CE"
Pg 150

OFFSET 97.26✓ LINE

7.6

Descending

204.82✓

Set 3.00

205.05 calc.

94°-21'-40"

121+30.98
E-36-3FT. OFF
Set 1x2 En in
cut bench 3 ft
W. of E-36 and
used this pt. to
carry line fwd.

121+30.98
E-36
Set 1"x2" en.,
in cut bench,
@ brk. of steep
side slope.

SECTION ①

SECTION ②

Steep
Slope
to
East

1) 42.99 @ 3°29' (T=44°) = 42.90 (5/24/57)
2) 42.91 @ 2°26' (") = 42.89✓
Avg. = 42.89✓ 46° Temp Change

1) 213.02 @ 15°57' (T=90°) = 204.83✓ (6/3/57)
2) 213.37 @ 16°18' " = 204.82
3) 213.54 @ 16°26' " = 204.82
Avg. = 204.82

1) 105.36 @ 22°38' (T=92°) = 97.26✓
2) 105.39 @ 22°38' " = 97.26✓
Avg. = 97.26

42.89✓

3 FT

RANDOM LINE

120+88.09
E-35
Set 1"x2" en.,
in cut bench,
on side slope.

176.49✓

TO: E-29
page 142

T1N R11W

LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
PLEASE RETURN TO
Do not extend this side of this line.

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

Cont'd. from top Pg. 143

Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 65 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes R.J.M. Date 5/57
Date	Indexed [illegible] C. Johnson

F. B 2249 PG. 145

contd on page 146

Descending

124+91.86
E 42-3 FT OFF
Set pencil mk in rock 8 ft below E 41

Descending

124+85.98
E 41-3 FT OFF
Set 1x2 En at base of rock outcrop 8 ft below E 40

Descending

124+82.87
E 40-3 FT OFF
Set pencil mk in rock 8 ft below E-39

Descending

124+73.59
E-39-3 FT OFF
Set 1x2 En on steep slope (dn N 15° E)

Descending

124+33.06
E-38-3 FT OFF
Set 1x2 En at brk. in steep slope

4.54'
5.88'
3.11'
9.28'
40.53'
97.26'

3 FT OFF SET LINE (WEST)
RANDOM LINE

SECTION 2

SEC 1

TIN
R11W

4.54 @ Lcr (T=56°) = 4.54'
5.88 @ Lcr (T=56°) = 5.88'
3.11 @ Lcr (T=84°) = 3.11'
9.28 @ Lcr (T=84°) = 9.28'
1) 48.52 @ 33°21 (T=84°) = 40.53'
2) 49.06 @ 34°16 " = 40.54'
Av " = 40.53'

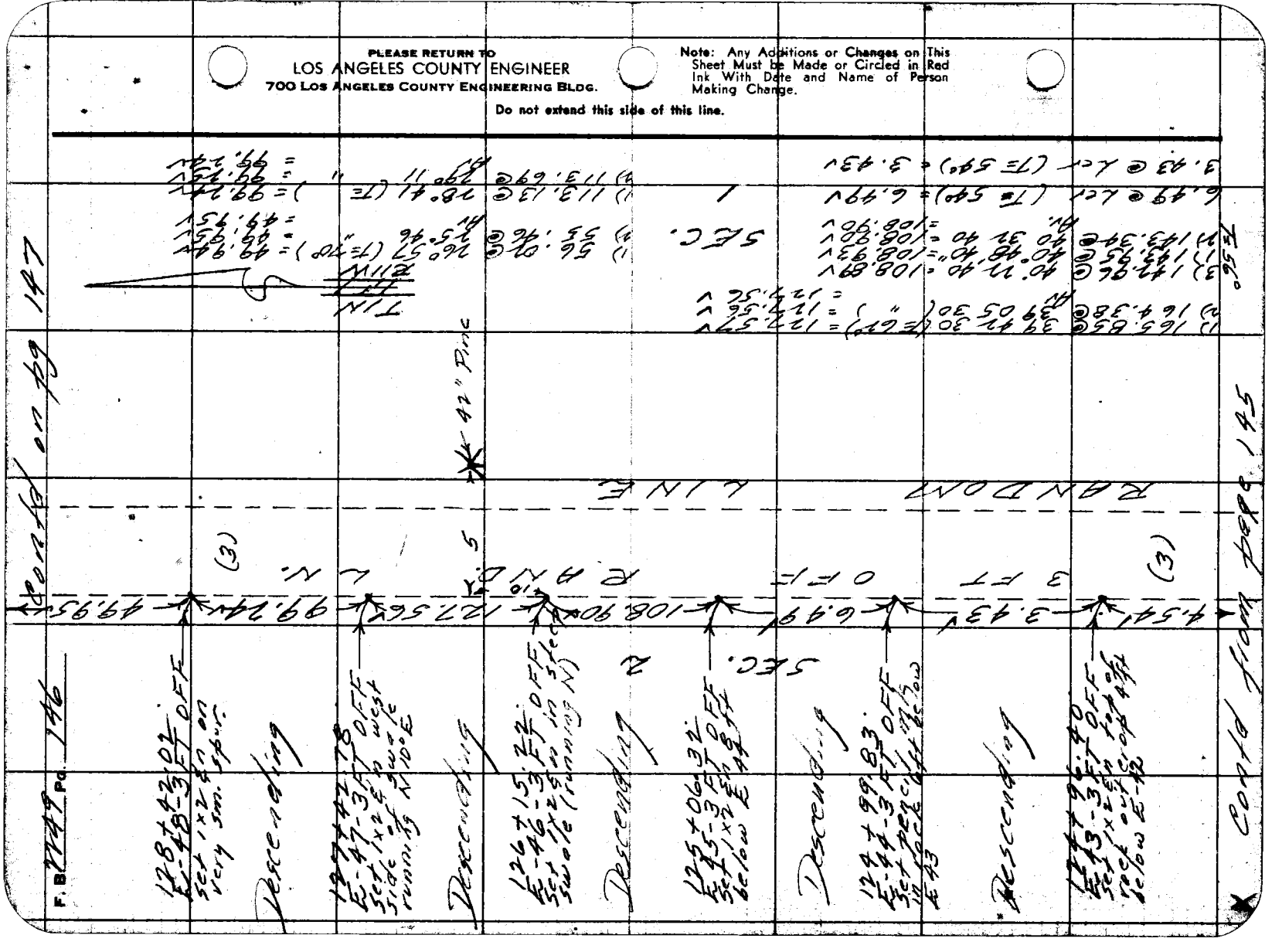
Contd from page 144

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
76F309S S&E #247 1-56

PLEASE 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 this side of this line.



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

Survey of Lux Arboretum
JN 0054.00 Page 65 Std 64 F
Surveyed by R.J. Mitchell
Notes Mitchell Date 7/57
C. Johnson
Indexed

F. B. 2248 Pg. 147

W.S. 45-D-1

SECTION 35 T 2 N

Most Nly Point on This Line TO SEC COR pg. 148

318.69'

132+42.05'
E-53-3 FT OFF
Set L.S. 79 (Co. Engr.)
Sta. in Lg. Grgn. Tr.
Sta. in W. side of foot trail, Fr. Fern Lodge to Upper Tomahawk Trail
R.P. to SEC. COR.

Descending
131+97.07'
E-52-3 FT OFF
Set 1x2 Sta in Fence

1) 89 13 50
4) 356 55 10
6) 175 22 40
Adj.) 89 13 46 3/4"
Adj.) 89 13 50

54.29' LINE

N 89° 13' 50" E 44.98'

TO "EL-CE" pg 150

Descending
131+42.78
E-51-3 FT. OFF
Cut Notch on Steep Slope (one)
Set 1x2 Stk
See also on Indexed Witness Stk. Jul '57

1) 59 26 45
4) 239 46 30
6) 356 55 30
Adj.) 59 26 45

N 45° E

TO: SEC. COR pg. 148

Very small flow

Descending
129+52.57'
E-50-3 FT. OFF
Set 1x2 Stk on Steep Slope

1) 42 39 15
4) 170 37 45
6) 255 56 30
Adj.) 42 39 15
Adj.) 42 39 30

60.60' 3 FT RADIUS

42° 39' 30"

Descending
128+91.97'
E-49-3 FT. OFF
Set 1x2 Stk on Steep Slope

49.95'

1) 45.76 @ 10° 34' (I=90°) = 44.98
2) 45.45 @ 10° 11' (I=90°) = 44.98

1) 54.58 @ 5° 49' (I=90°) = 54.30
2) 54.58 @ 5° 49' (I=90°) = 54.29

1) 190.44 @ 25° 19' (I=72°) = 190.20
2) 190.44 @ 25° 19' (I=72°) = 190.21

1) 72.82 @ 37° 40' (I=72°) = 60.61
2) 72.82 @ 37° 40' (I=72°) = 60.60

SECTION 1 T 2 N

Cont'd from page 146

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

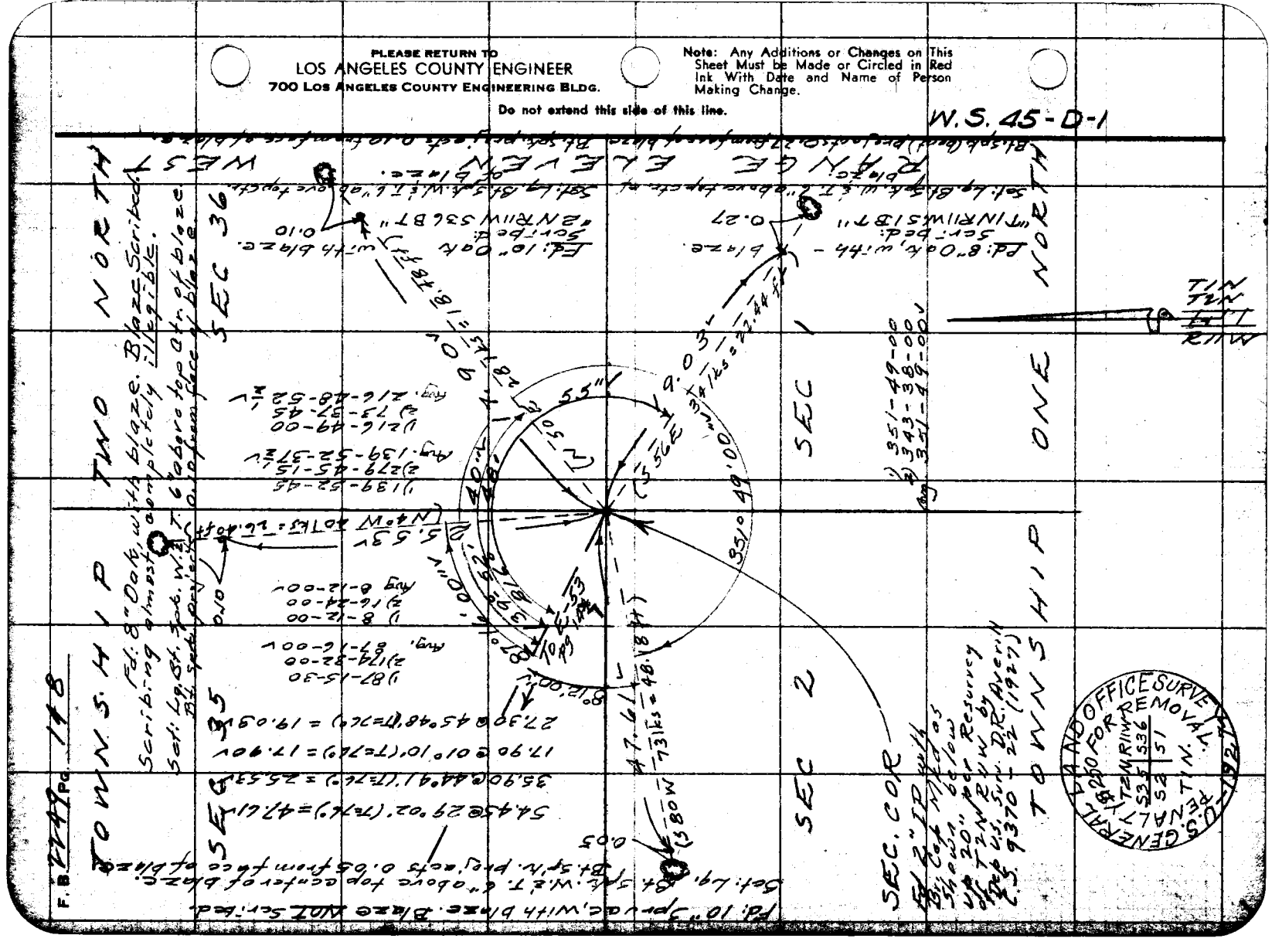
76F3095 SEE #247 1-56

PLEASE 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 this side of this line.

W.S. 45-D-1


TOWNSHIP ONE
TOWNSHIP TWO
SEC. COR.
SEC 1
SEC 2
SEC 35
SEC 36
NORTH
WEST
Fd: 8"Oak, with bl'ze.
Scr: bcd:
"T1NR11W S1B T"
0.27
Fd: 10" Oak with bl'ze.
Scr: bcd:
"2NR11W S36B T"
0.10
Fd: 10" Pine with bl'ze. Blaze NOT Scr: bcd
Bk: S4°W, 1.6' from face of bl'ze
Scrib: 6 in ast
Fd: 8" Oak with bl'ze. Scribed
Scrib: 6 in ast
Scrib: Log, Bk: S26°W, 1.6' from face of bl'ze
Set: Lead plug with tack in top of nail
Set: Lead plug with tack 0.10 below top of nail
Set: Lead plug with tack 0.27 below top of nail
Blaze (both) trees 0.27 from monument
Blaze (both) trees 0.10 from monument
Fd: 10" Pine with bl'ze. Blaze NOT Scr: bcd
Bk: S4°W, 1.6' from face of bl'ze
Set: Lead plug with tack in top of nail, Bk: S4°W, 0.03 from face of bl'ze
Fd: 8" Oak with bl'ze. Blaze Scribed
Scrib: 6 in ast
Set: Lead plug with tack 0.05 above top of nail
Bk: S4°W, 0.03 from face of bl'ze
Fd: 8" Oak with bl'ze. Blaze Scribed
Scrib: 6 in ast
Set: Lead plug with tack 0.05 above top of nail
Bk: S4°W, 0.03 from face of bl'ze
Fd: 10" Pine with bl'ze. Blaze NOT Scr: bcd
Bk: S4°W, 1.6' from face of bl'ze

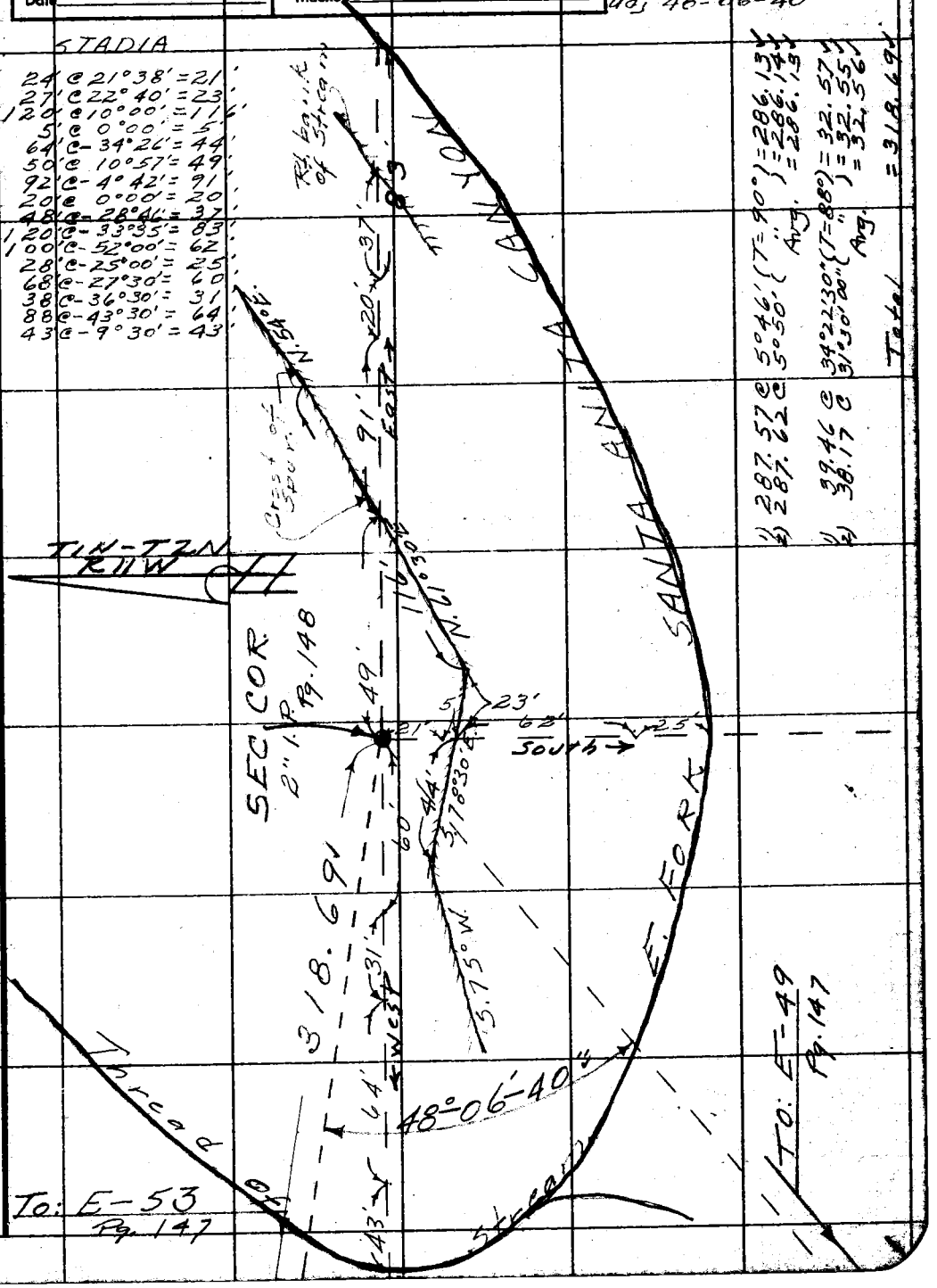
J.N. 005400

Notes Ck'd by Goss	Survey of Lux Arboretum	F. B. 2249 Pg. 149
Map No.	~~W. O.~~ Tape No. 65 St'd. 84 °F	48-06-30
Office Work	Surveyed by	4) 192-26-00
Checked	Notes Smiley Date 7-57	6) 288-39-20
Date	Indexed C. Johnson	48-06-33 1/3
		adj 48-06-40

W.S. 45-D-1

STADIA

24' @ 21°38' = 21'
27' @ 22°40' = 23'
120' @ 10°00' = 116'
5' @ 0°00' = 5'
64' @ -34°26' = 44'
50' @ 10°57' = 49'
92' @ -4°42' = 91'
20' @ 0°00' = 20'
48' @ -28°46' = 37'
120' @ -33°35' = 83'
100' @ -52°00' = 62'
28' @ -25°00' = 25'
68' @ -27°30' = 60'
38' @ -36°30' = 31'
88' @ -43°30' = 64'
43' @ -9°30' = 43'



1) 287.57 @ 5°46' (T=90°) = 286.13
2) 287.62 @ 5°50' (") = 286.14
Avg. = 286.13

1) 39.46 @ 34°22'30" (T=88°) = 32.57
2) 38.17 @ 31°30'00" (") = 32.55
Avg. = 32.56

Total = 318.69

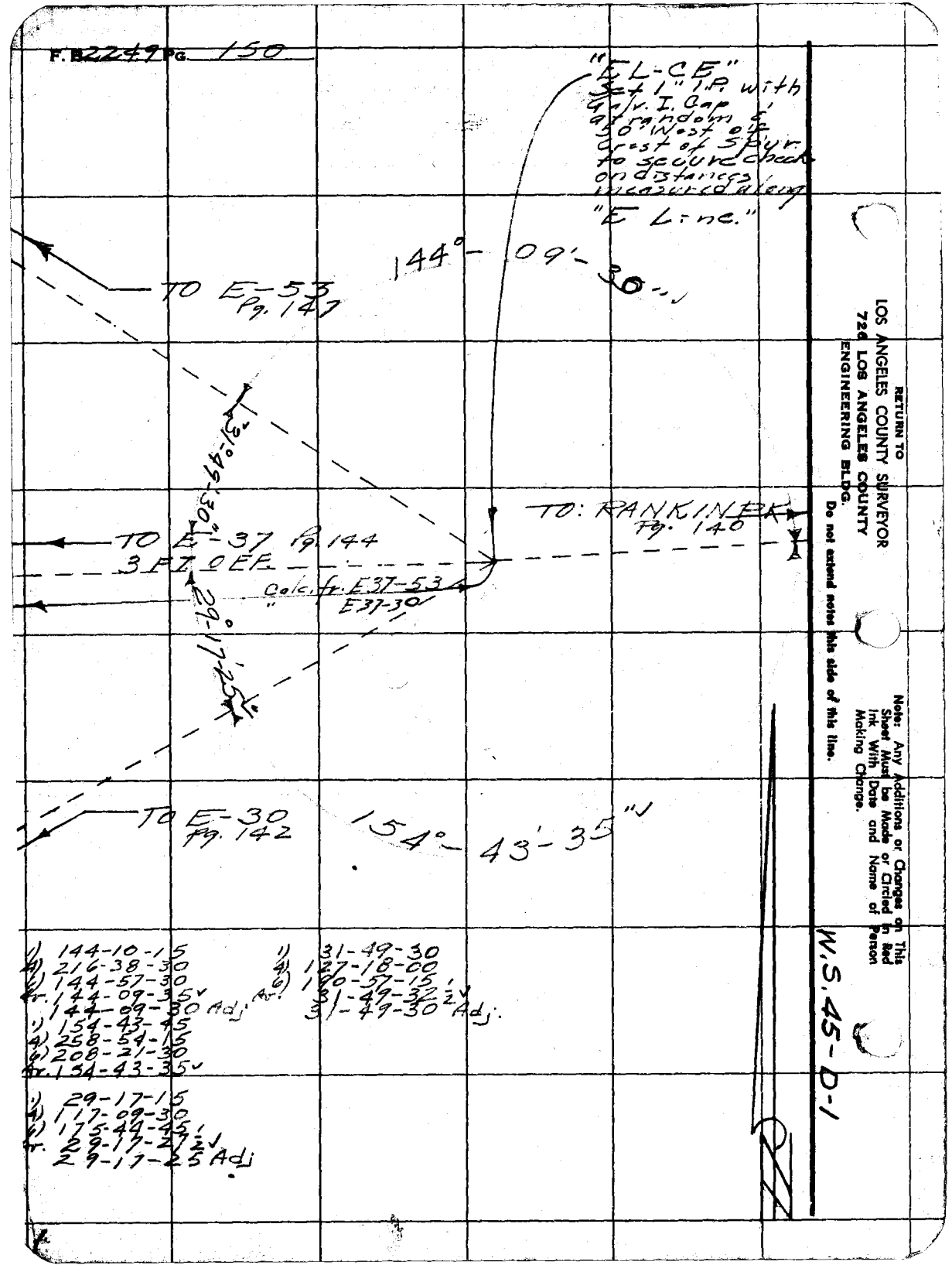
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

76F3098 S&E #247. 8-54

F. B. 2249 Pg. 150



RETURN TO
LOS ANGELES COUNTY SURVEYOR
720 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.

1) 144-10-15
2) 216-38-30
3) 144-57-30
Av. 144-09-35 ✓
144-09-30 Adj.
1) 154-43-45
2) 258-54-15
3) 208-21-30
Av. 154-43-35 ✓

1) 31-49-30
2) 127-18-00
3) 180-57-15
Av. 31-49-32½ ✓
31-49-30 Adj.

1) 29-17-15
2) 117-09-30
3) 175-44-45 ✓
Av. 29-17-27½ ✓
29-17-25 Adj.

Notes Ck'd by Goss	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 65 Std 62 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 7/57
Date	Indexed K. C. Johnson

F. B. 2149 PG. 151

NOTES - contd. from page 123

14. I determine that the proper method to use in reestablishing the NE Cor Sec 19 is to come S. record distance (159.60 chains = 10533.60 ft.) per the Pearson Survey (C.S. 9253) from the NE Cor Sec 2 and to use proportion against the Cutting Survey (C.S. 9382) (The most recent to have identified the corners in question) in an E & W direction. The calculations shown on pg.s 154 & following are the result of this decision.

15. May - 1958 - R.J. Mitchell -
Tied flag 300 ft South of E-19 (pg 130) and made detailed search for NE cor Sec. 14 ("a sandstone 9 x 10 x 10 ins above the ground...." Dep. U.S. Surv. Cutting - 1896 - C.S. 9382 - 23) - Fd no evid. of the corner near this location. (Search made per office instructions)

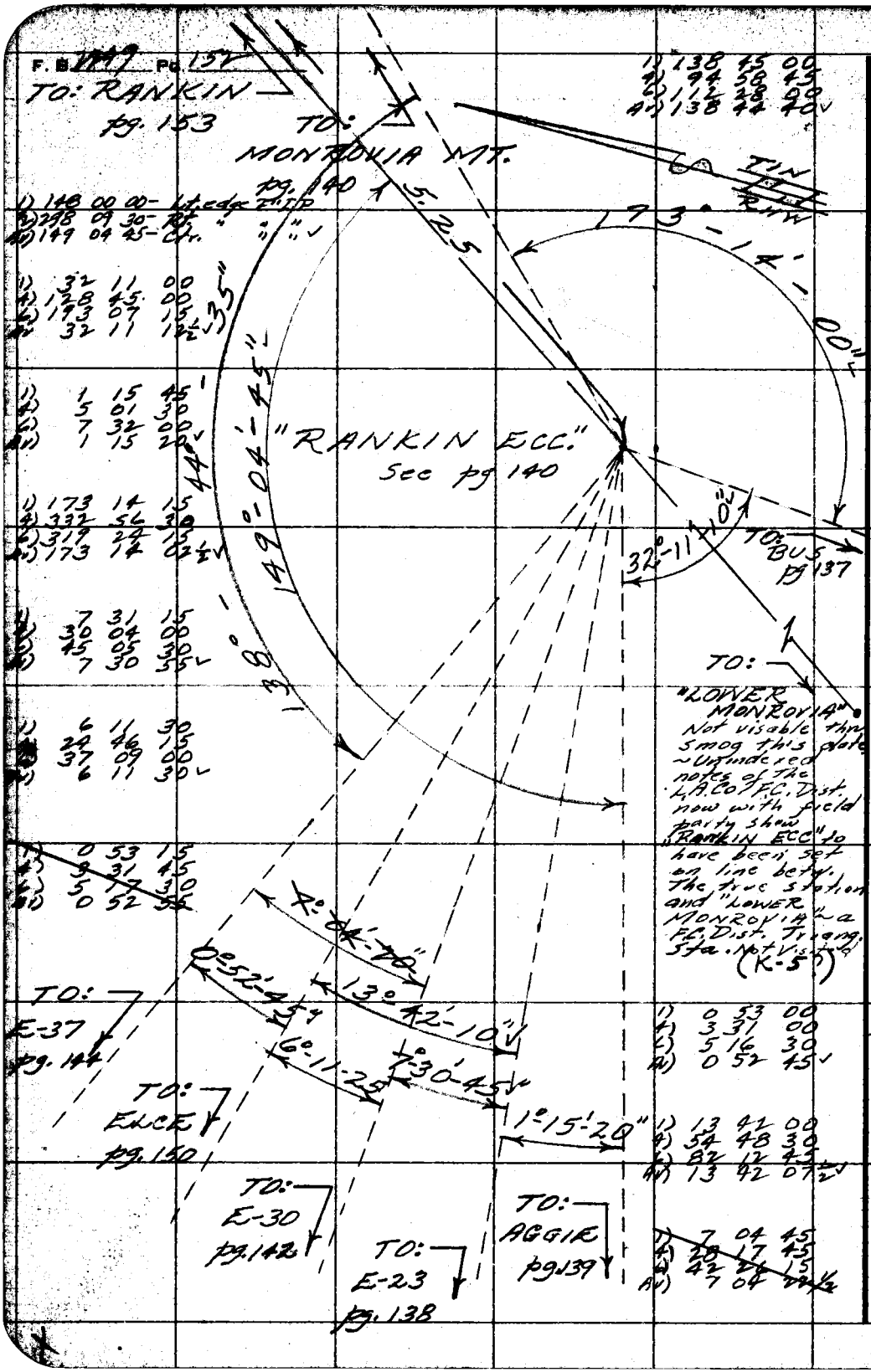
16. See note 9. page 94 & 112

17. Note that portions of C.S. 9301 are also shown in C.S. 9382 - Particularly the N Line of Sec 14

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3098 SAE #247 1-56



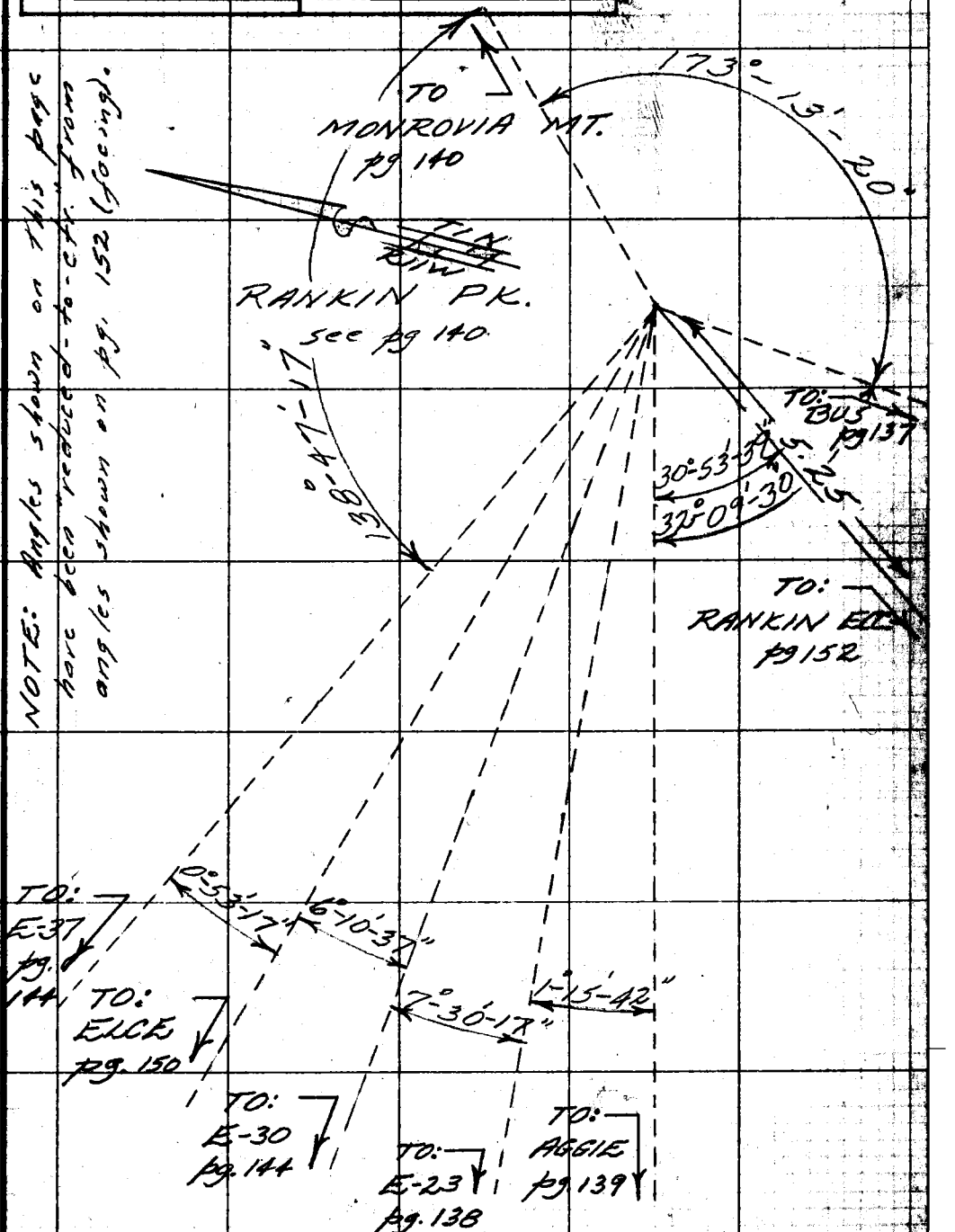
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

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

Notes Ck'd by GOSS	Survey of Lux Alboretum
Map No.	JN 0054.00 Tape 65 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 7/57
Date	Indexed C. Johnson

F. B. 2249 Pg. 153



NOTE: Angles shown on this page have been "reduced-to-ctr." from angles shown on pg. 152 (facing).

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 S&E #247 1-56

F.B. 119 Pg. 154

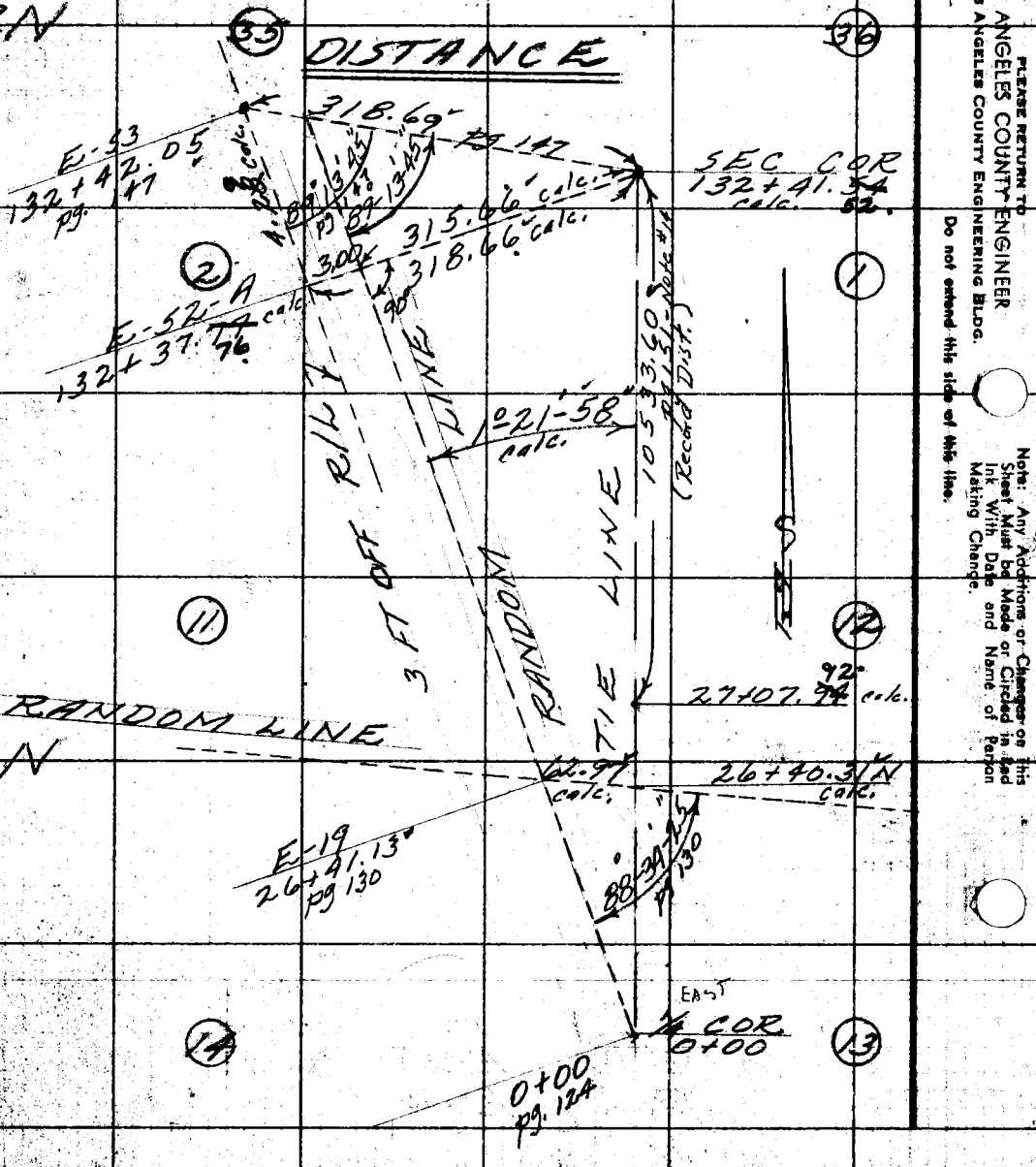
CALCULATIONS

PROPORTION

DISTANCE	CUTTING	Mitchell	
NW Cor Sec 18 to N¼ Cor	40.00 ch.	2660.462	5360.83
N¼ Cor Sec 19 to NE Cor.	40.60 ch.	2700.370	
NW Cor Sec 13 to N¼ Cor	40.05 ch.	2663.789	
Total	120.65	8024.62	pg. 111

T2N

DISTANCE



LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

PLEASE RETURN TO

Do not extend this side of this line.

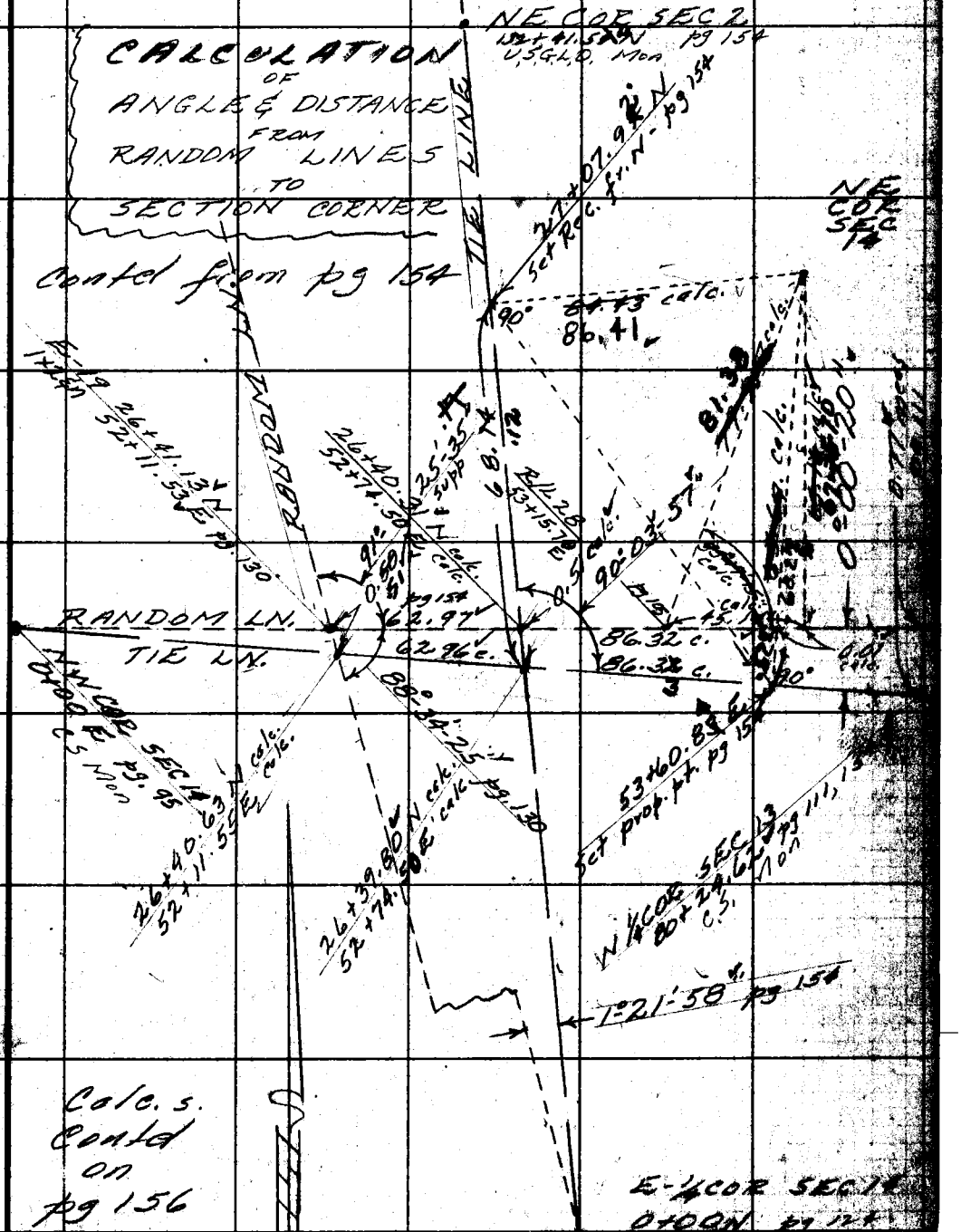
Note: Any Additions or Changes on this Sheet Must be Made or Circled in and Ink With Date and Name of Person Making Change.

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

Survey of Lux Arboretum F. B. 2149 Pg. 155
JN 005400 Tape Std. 84 °F
Surveyed by Mitchell
Notes Mitchell Date Jan. '57
Indexed C. Johnson

CALCULATION OF ANGLE & DISTANCE FROM RANDOM LINES TO SECTION CORNER

Contd from pg 154



PLEASE 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.

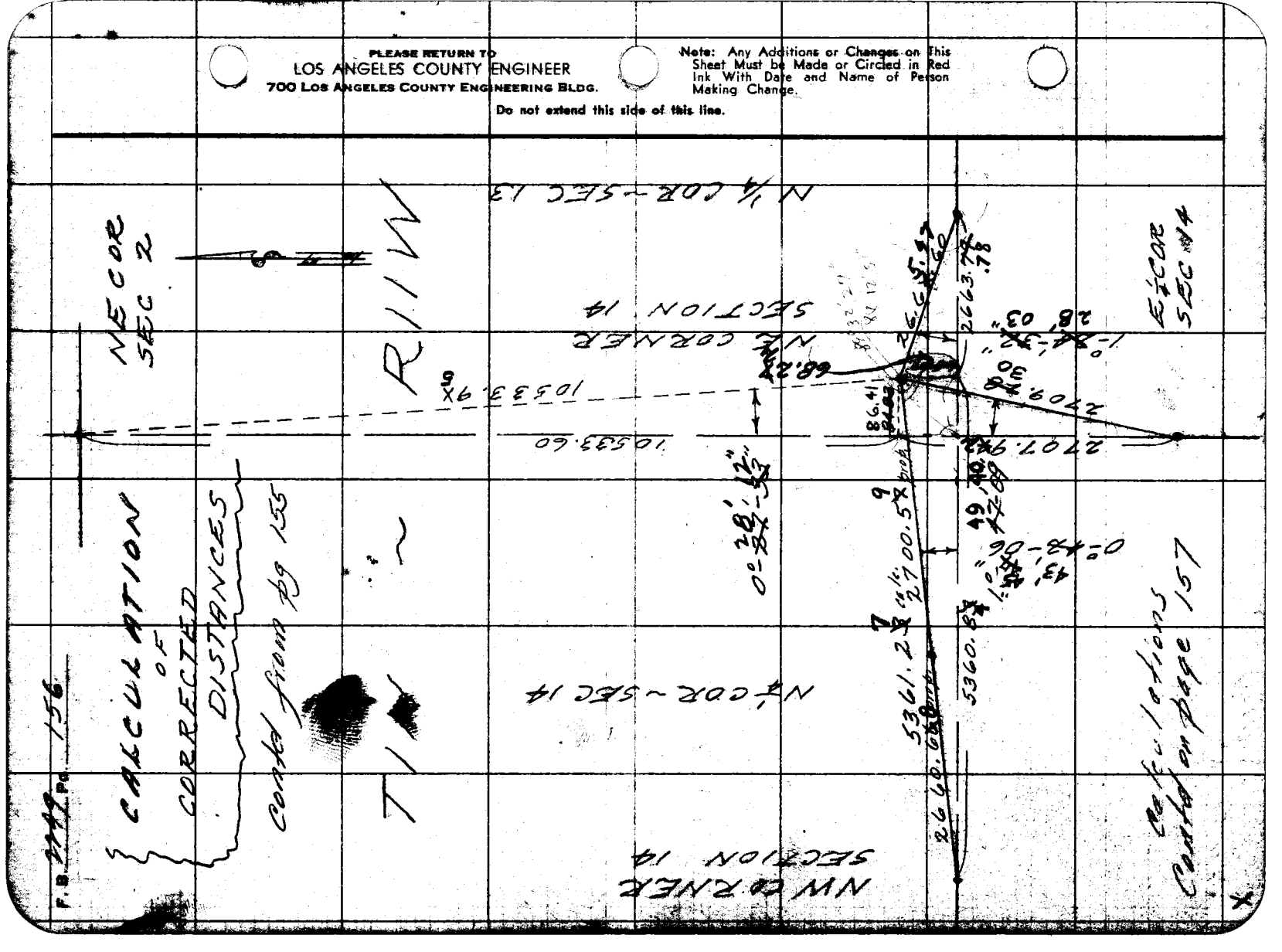
Do not extend this side of this line.

76F3068 SBE #247 1-56

PLEASE 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 this side of this line.

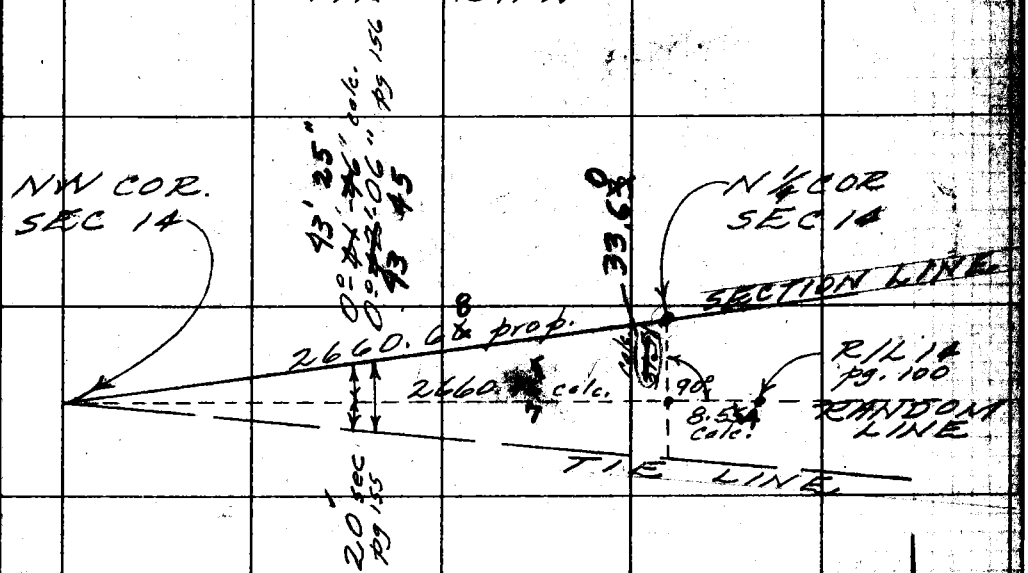


Notes Ck'd by GOSS	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape Std °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 7/57
Date	Indexed C. Johnson

F. B. 2249 PG. 157

CALCULATION OF PLUSS & OFFSET

FROM
RANDOM LINE
TO
NORTH QUARTER COR.
SECTION 14
T1N R11W



PROPORTION

CUTTING	MITCHELL
40.00 ch.	2660.68 ft.
40.60	2700.59
80.60	5361.27

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

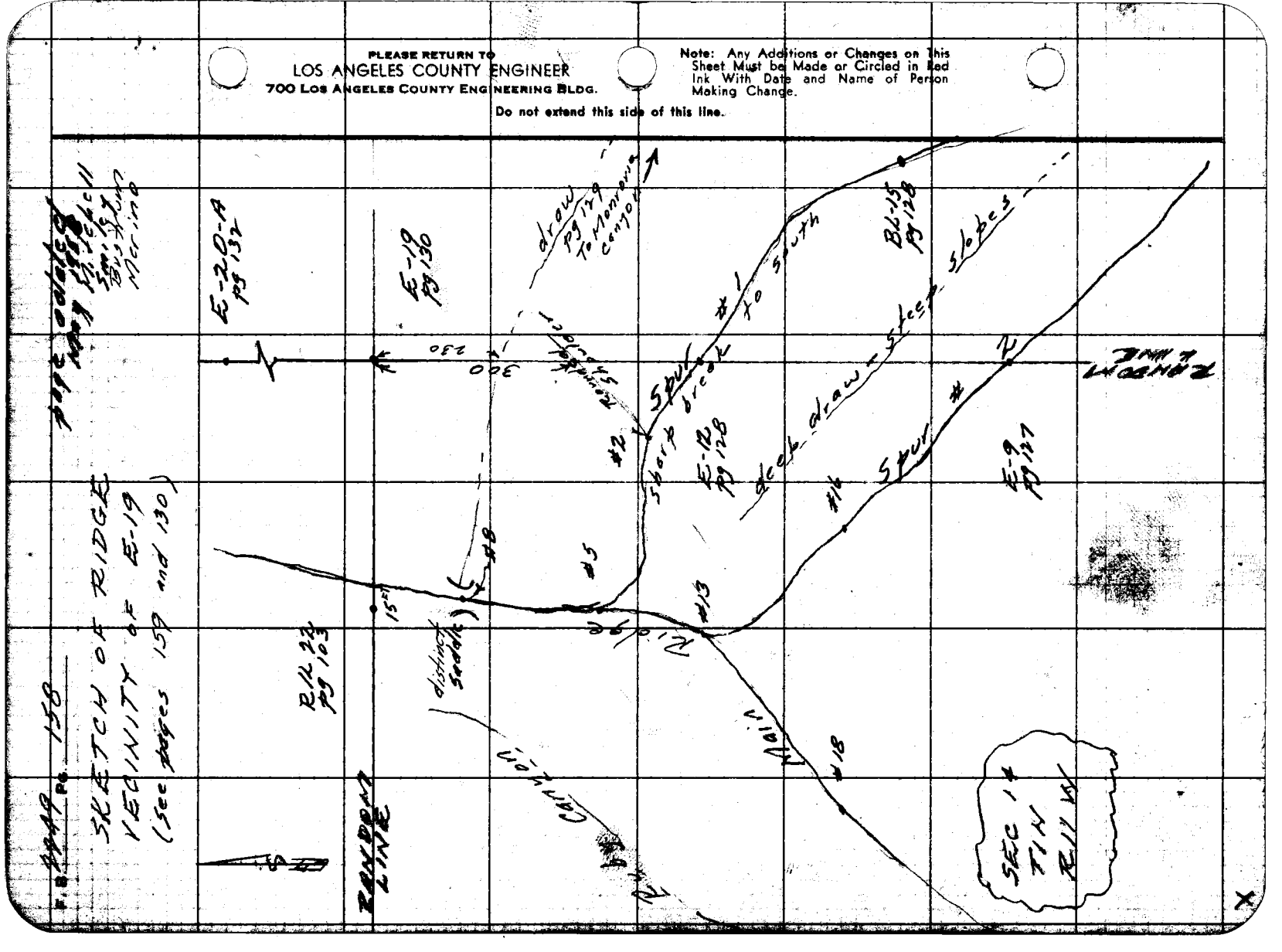
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.

76F3098 S&E #247 1-56

PLEASE 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 this side of this line.



SKETCH OF RIDGE
VICINITY OF E-19
(See pages 129 and 130)

Page 128

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0050 00 Tape — Std — °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date May 1958
Date	Indexed A. C. Johnson 5-21-58

F.B. 224 159

LOCATION of RIDGE-VECINITY of E-19
(Magnetic Bearings - Stadia Distances)
(See sketch pg. 158)

Inst. @	Sight On	True Brng (with Mag. Needle)	Rod Intcpt.	Vert. Angle	Dist	Remarks
E-12	E-20A	N 0° E				Set Brng pg 128, 132
E-12	#1	N 38° 45' W	84	+30° 15'	63	crest spur #1
#1	#2	N 46 00 W	61	+13 34	58	" " "
#1	#3	N 53 00 W	137	+11° 08	132	" " "
#1	#4	N 55 15 W	184	+12° 00	176	" " "
#4	#5	S 77 30 W	90	0° 00	90	Jct. Spur #1 & ridge
#5	#6	N 24 00 W	43	-6° 00	43	Crest of ridge
"	#7	N 9° 00 W	128	-9° 06	124	" " "
"	#8	N 13 30 W	211	-4° 45	210	" " "
"	#9	N 6° 15 W	302	0° 00	302	(saddle) crest of ridge
"	#10	N 5° 00 W	416	+5° 00	413	" " "
"	#12	N 4° 45 W	475	+7° 30	467	R/L-22 pg 103
"	#13	S 20 45 W	18	0° 00	18	Highest Point in vec.
"	#14	S 51 30 W	67	0° 00	67	Crest spur #2
"	#15	S 7° 30 W	105	-3° 00	105	" " "
#4	#16	S 23 00 W	263	-5° 30	261	" " "
#14	#17	S 33 15 W	117	-4° 00	117	dn. to E-9 Crest of ridge
"	#18	S 41 45 W	195	-7° 10	191	" " "

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

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell & C. Jones Date 4-4-58
Date	Indexed 9-16-58

F. B 2449 PG. 161

Note: Any Additions or Changes on This Sheet Must be Made 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.

76F3095 CE #247—3-57

SURVEY
SHOWING

CADASTRAL TIE

TO L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION NET
THROUGH STATIONS

SIERRA MADRE K4 AND K4A

FOR

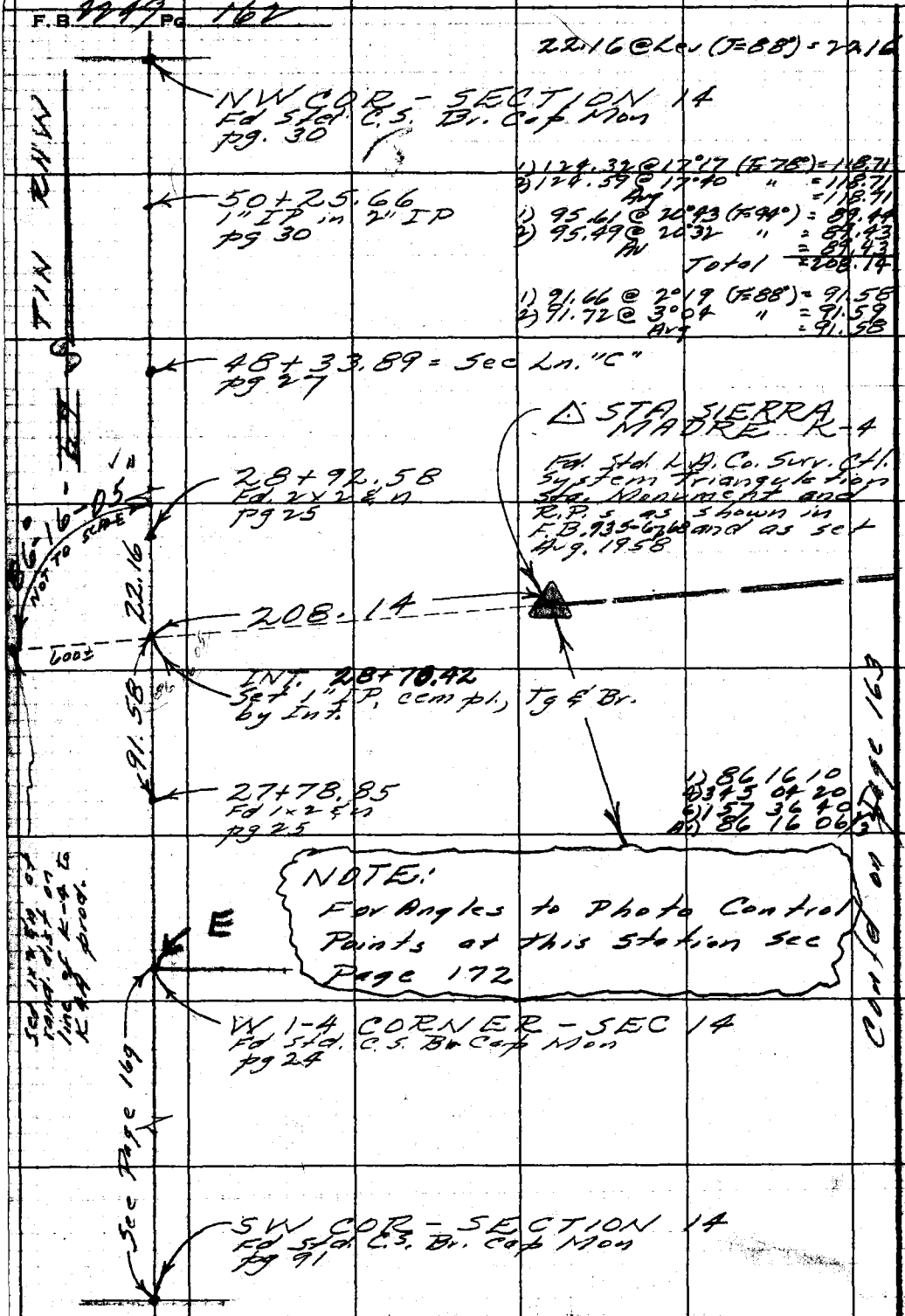
LUX ARBORETUM

JN 0054.00

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

August, 1958

F.B. 9949 Pg. 162



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

Do not extend notes this side of this line.

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

W.S. 45-0-3

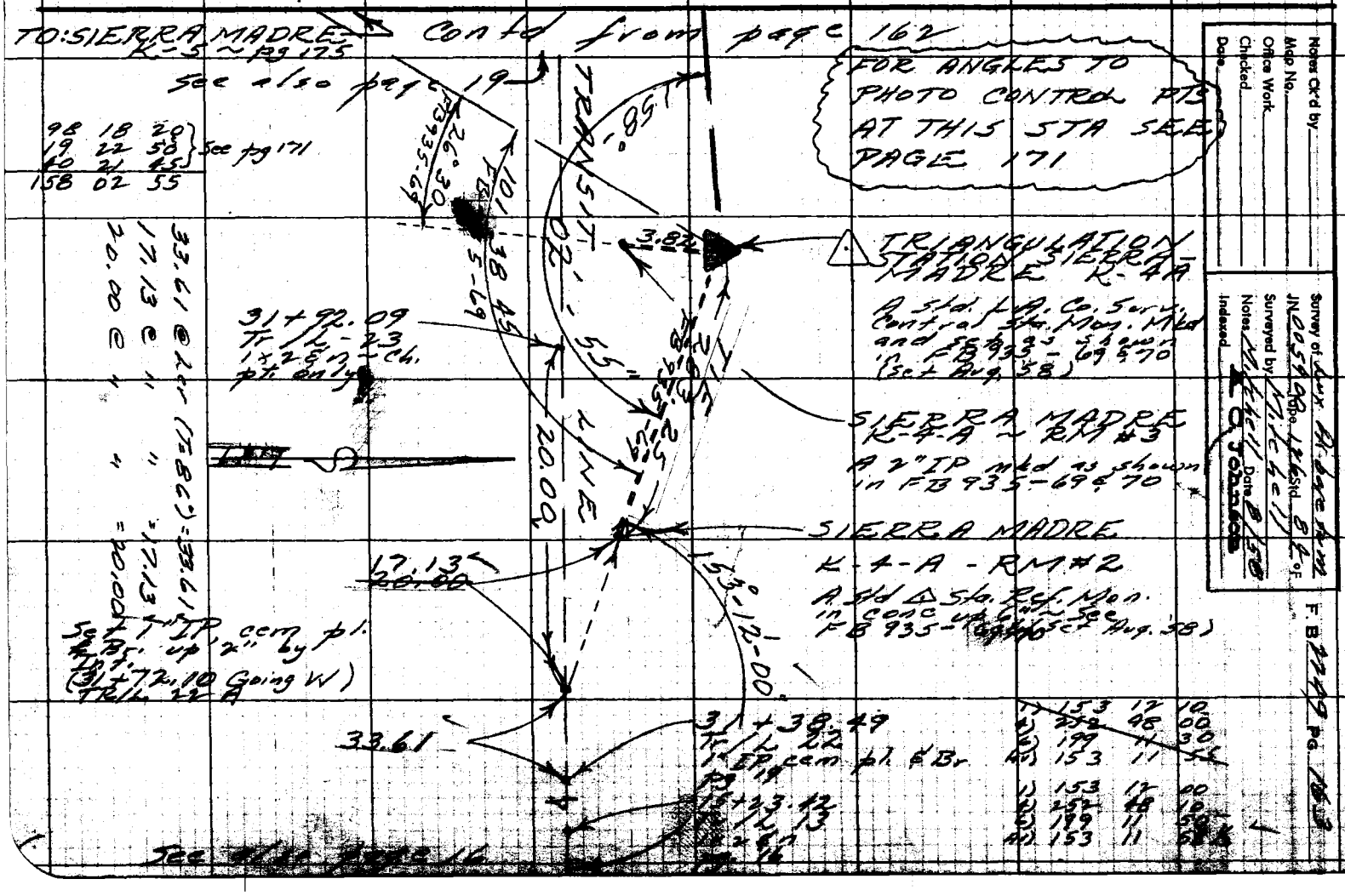
76F309S CE #247—3-57

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.

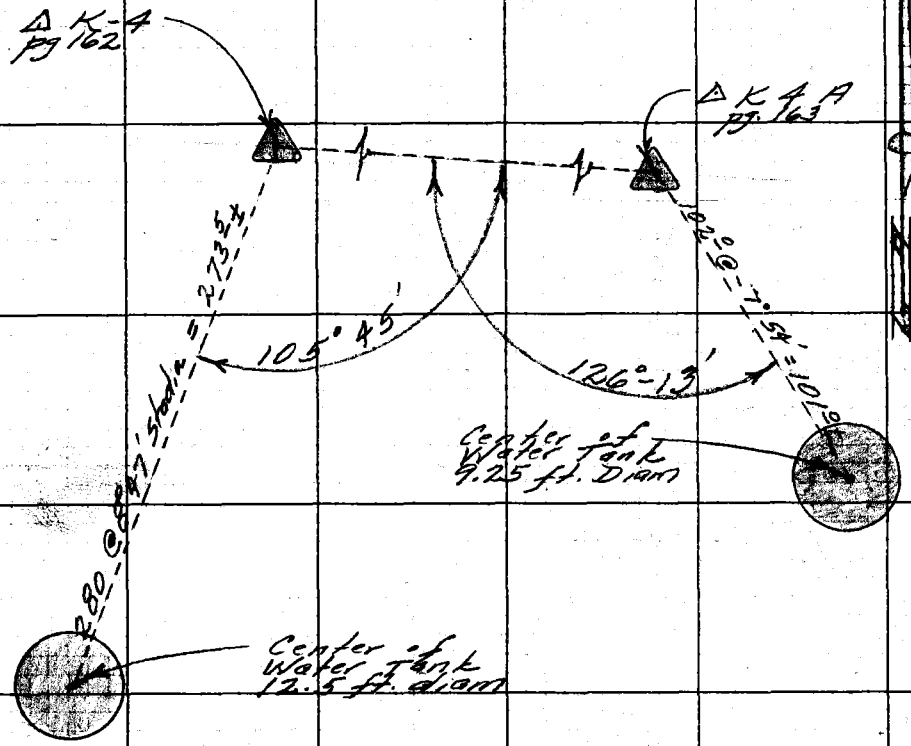
W.S. 45-D-3



F.B. 2009 Pg. 164

Added 3/25/59 R.S.H.

DETAIL TO SHOW LOCATION OF WATER TANKS IN VECINITY OF TRIANGULATION STATIONS SIERRA MADRE K-4 & K4A



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.

X

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0054.00 Page 176 Std. 24 oF
Office Work	Surveyed by R.J. Mitchell
Checked	Notes
Date	Date Aug. '58
	C. Johnson
	Indexed

F. B. 2249 Pg. 165

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.

765309S CE #247—3-57

SURVEY OF

W LINE ~ SECTION 14
T 1 N ~ R 11 W

FOR

LUX ARBORETUM

JN 0054.00

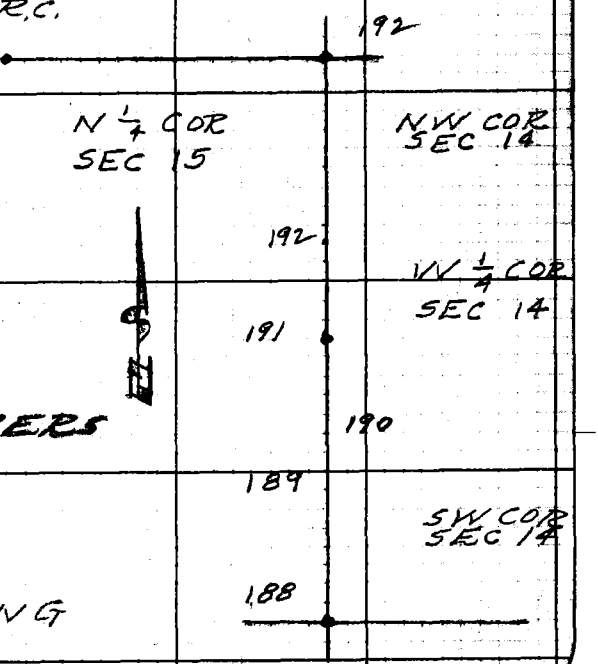
Mitchell, R.J. - Ch.S.
Smiley, L.C. - T
Bustrum, M.L. - H.C.
Merino, G.R. - R.C.

Aug, 1958

INDEX

ALL PAGE NUMBERS REFER TO FB 473

SEE NOTE ON PAGE FOLLOWING



F.B. 2049 Pg. 166

NOTE:

The West Line of Section 14 T1N R11W was resurveyed by Dep. Co. Surveyor G. Porter in 1954. The stakes, pipe, and monuments set by Porter are still on the ground and in good condition.

This survey - shown in FB 473 pages 187-192 - is then accepted as being complete and accurate and is further accepted as being an integral part of the present survey of Section 14

R.J. Meitzke

RETURN TO
LOS ANGELES COUNTY ENGINEER
7700 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	F. B. 2299 Pg. 167
Map No.		JN 0054.00 Tape 176 Std 8 E °F	
Office Work		Surveyed by R.J. Mitchell	
Checked		Notes M. Mitchell Date Aug 58	
Date		Indexed 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.

Do not extend notes this side of this line.

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

SURVEY SHOWING LOCATION OF POINTS SELECTED FOR AERIAL PHOTO CONTROL FOR LUX ARBORETUM

JN 0054.00

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

August, 1958

76F309S CE #247—8-57

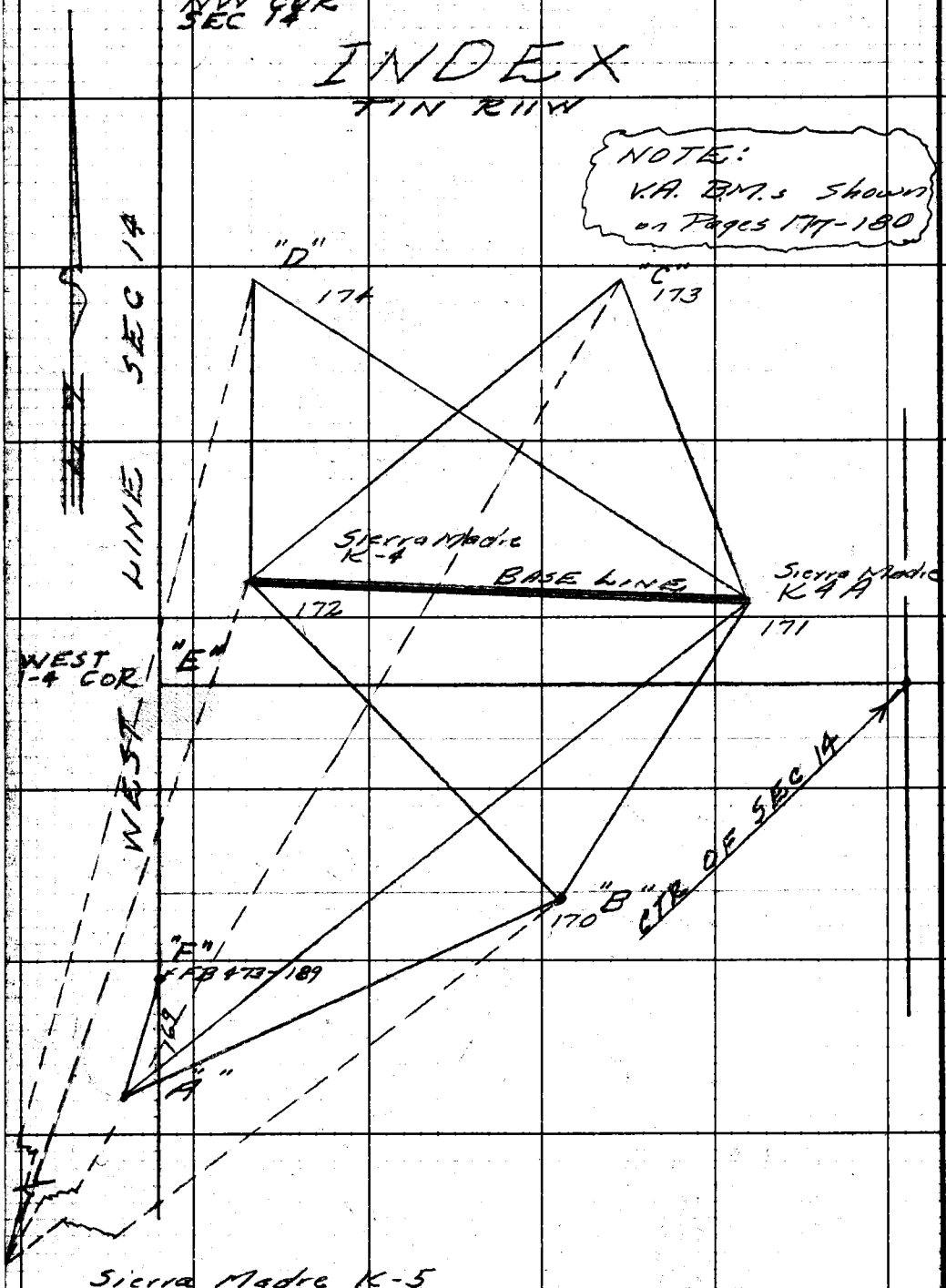
F. B. 2249 Pg. 168

NW COR SEC 14

INDEX

T1N R11W

NOTE:
V.A. B.M.'s Shown on Pages 177-180



RETURN TO
LOS ANGELES COUNTY ENGINEER
7700 Los Angeles County Engineering Bldg.

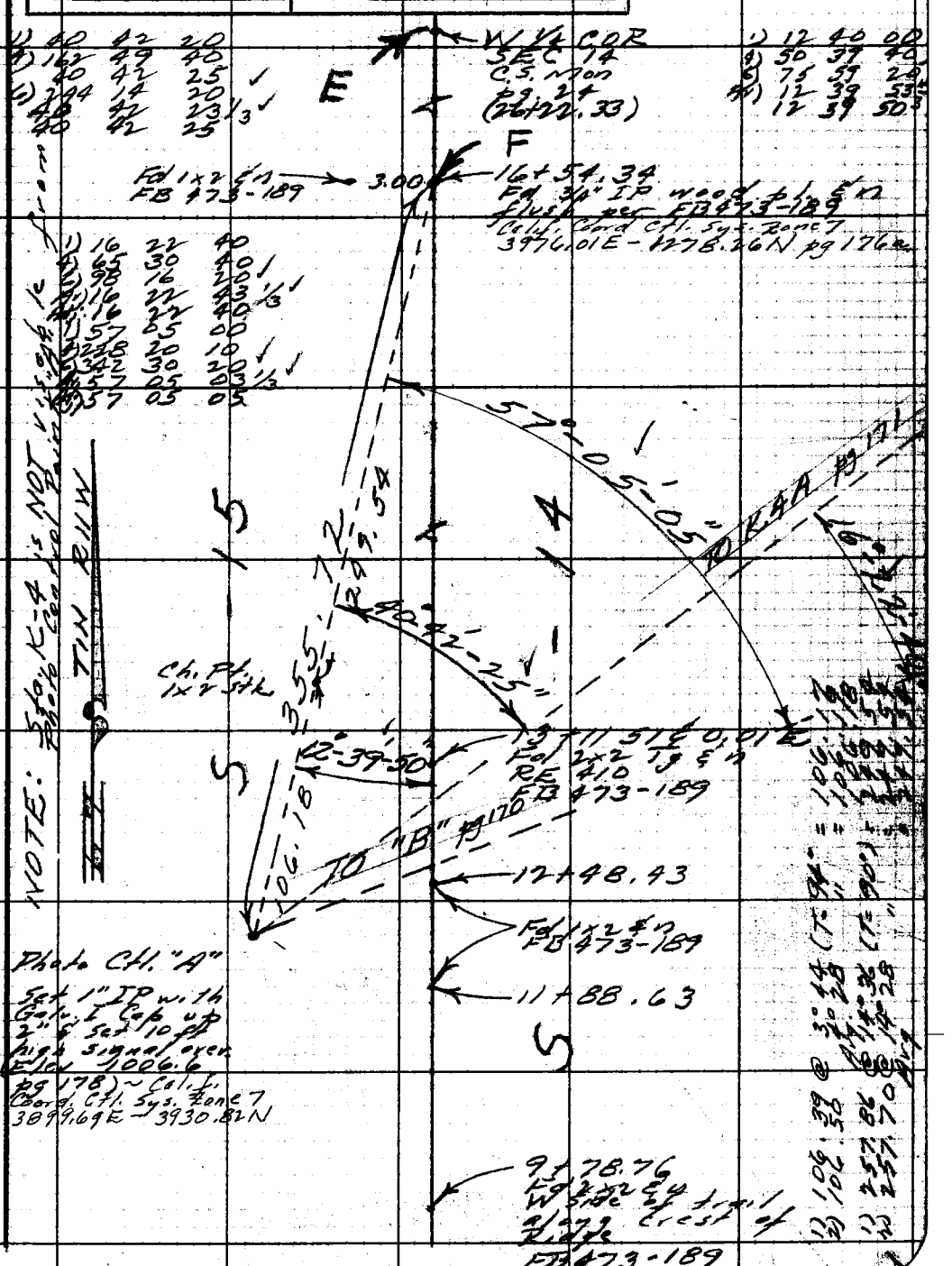
Notes: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0-54.00 Tape 126 Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes Mitchell Date Aug '58
Date	Indexed C. Johnson

F. B 2249 Pg. 169

W.S. 45-C-3



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

Do not extend notes this side of this line.

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

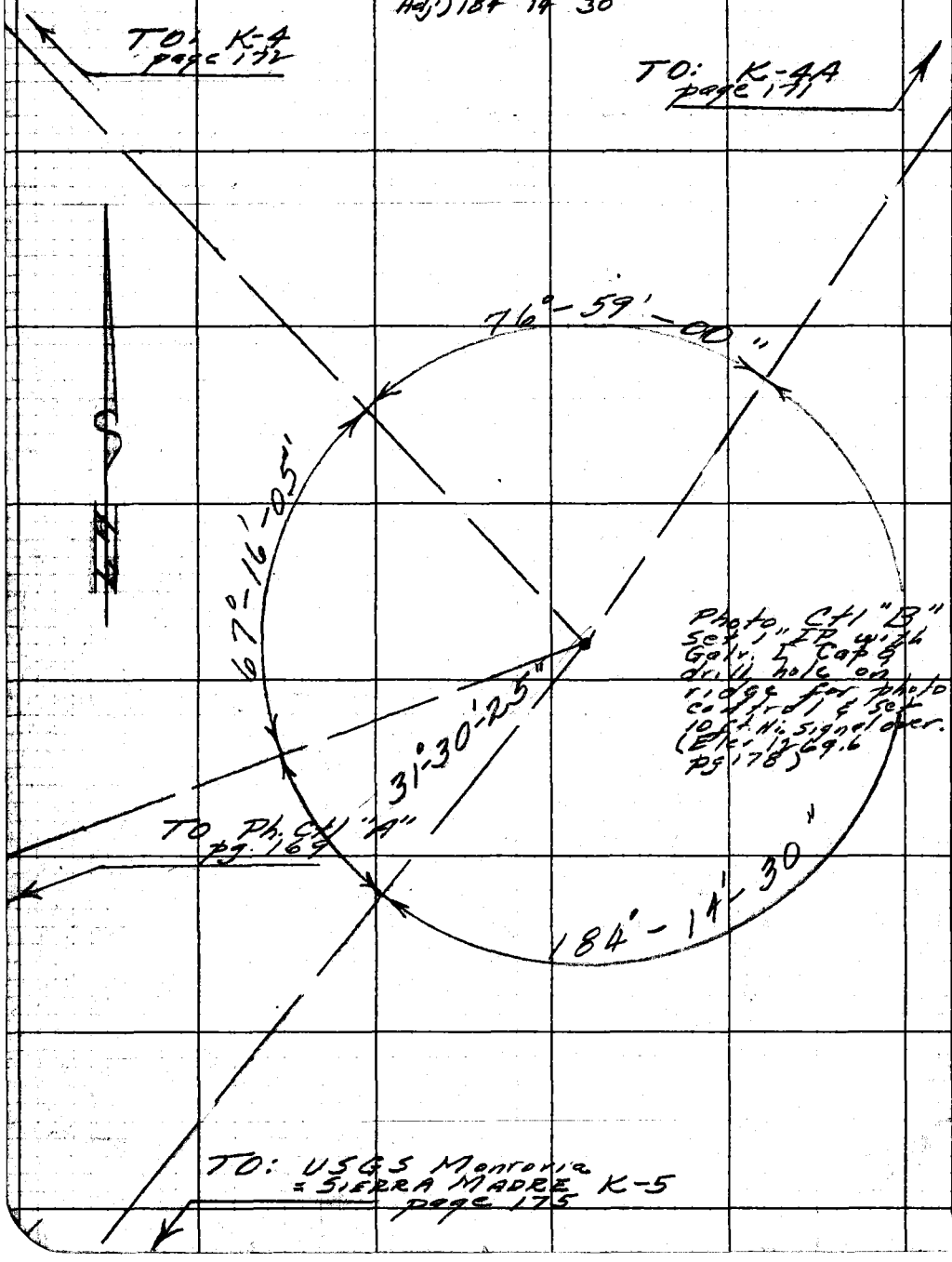
76F3098 CE #247—3-57

F.B. 2249 Pg. 170

1)	76	59	20
4)	307	56	20
6)	101	54	10
Av)	76	59	01 2/3
Adj.)	76	59	00

1)	67	16	30
4)	269	05	20
6)	43	38	00
Av)	67	16	20
Adj.	67	16	05
1)	184	14	20
4)	16	57	50
6)	25	26	40
Av)	184	14	26 2/3
Adj.)	184	14	30

1)	31	30	40
4)	126	01	50
6)	189	02	40
Av)	31	30	26 2/3
Adj.	31	30	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.

W.S. 45-D-3

Notes Ck'd By	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 126 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 8/58
Date	Indexed A. C. Johnson

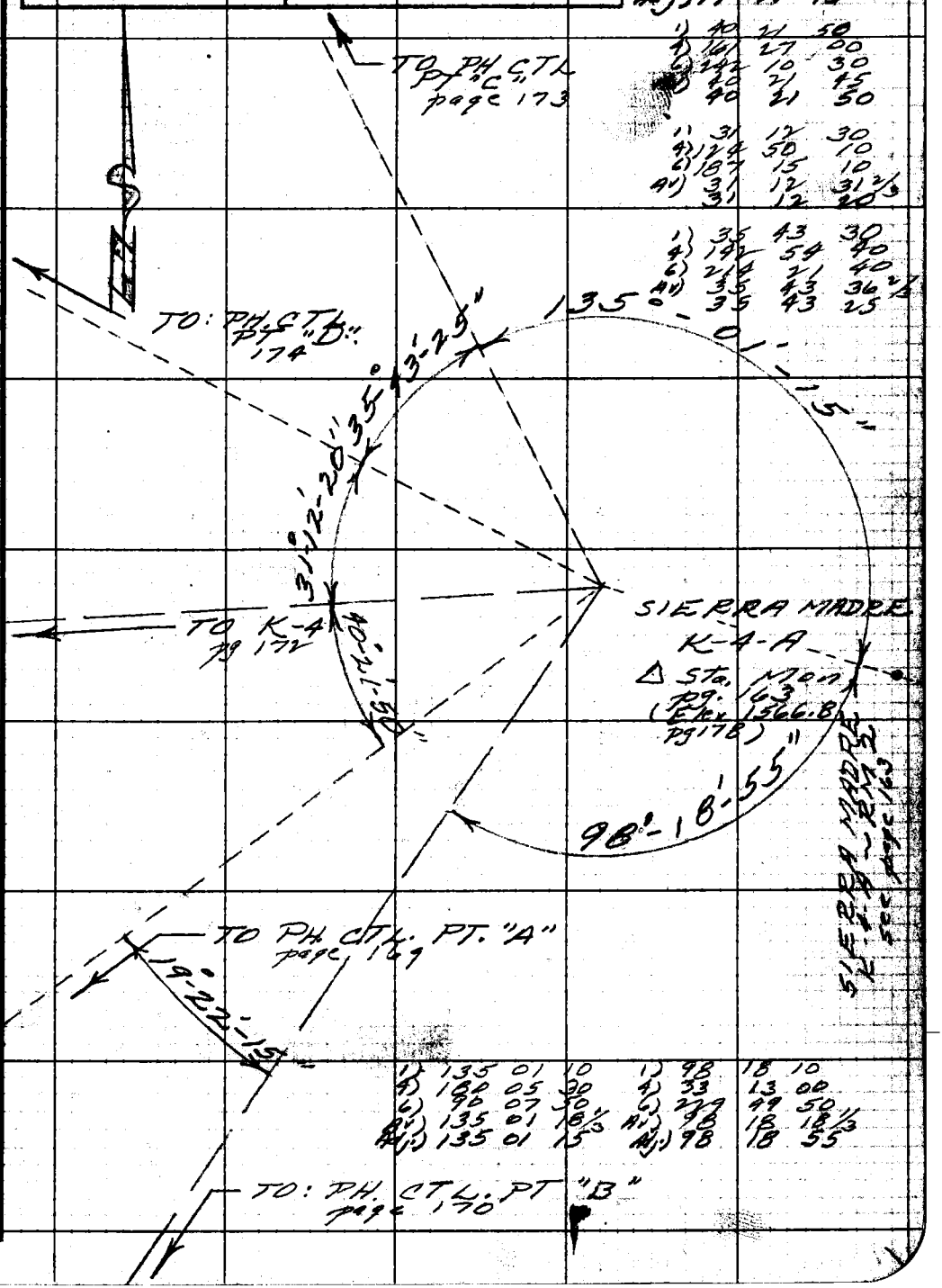
F.B. 2249 Pg. [illegible]

1)	19	23	[illegible]
4)	77	31	20
6)	146	16	50
Av)	19	22	48 1/3
Adj)	19	22	15

1)	40	21	50
4)	161	27	00
6)	242	10	30
Av)	40	21	45
	40	21	50

1)	31	12	30
4)	124	50	10
6)	187	15	10
Av)	31	12	31 2/3
	31	12	20

1)	35	43	30
4)	142	54	40
6)	214	21	40
Av)	35	43	36 2/3
	35	43	25



1)	135	01	10	1)	98	18	10
4)	180	05	30	4)	33	13	00
6)	90	07	50	6)	229	49	50
Av)	135	01	18 1/3	Av)	98	18	18 1/3
Adj)	135	01	15	Adj)	98	18	55

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

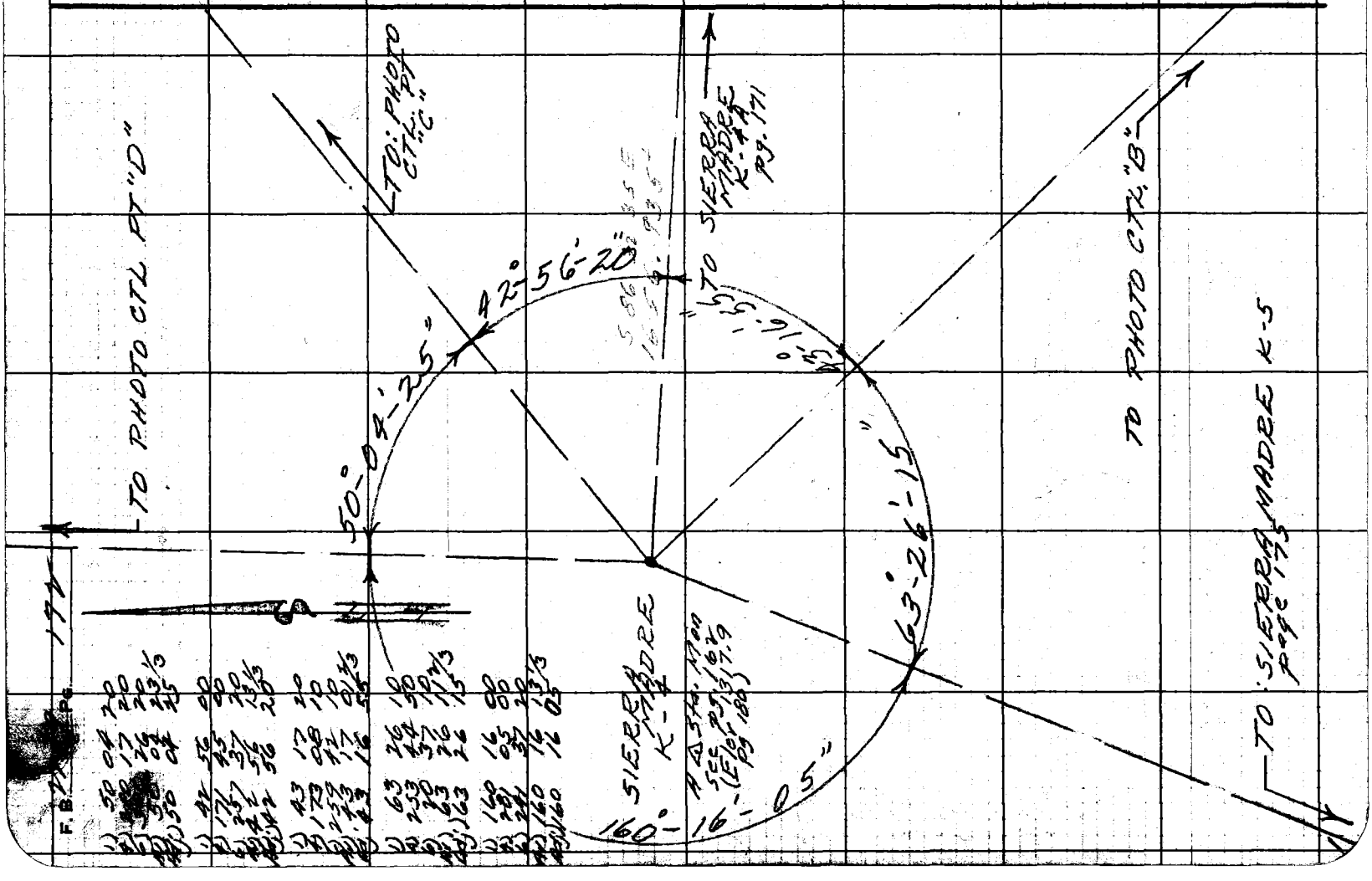
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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.

W.S. 45-D-3

K-4
Pg 162



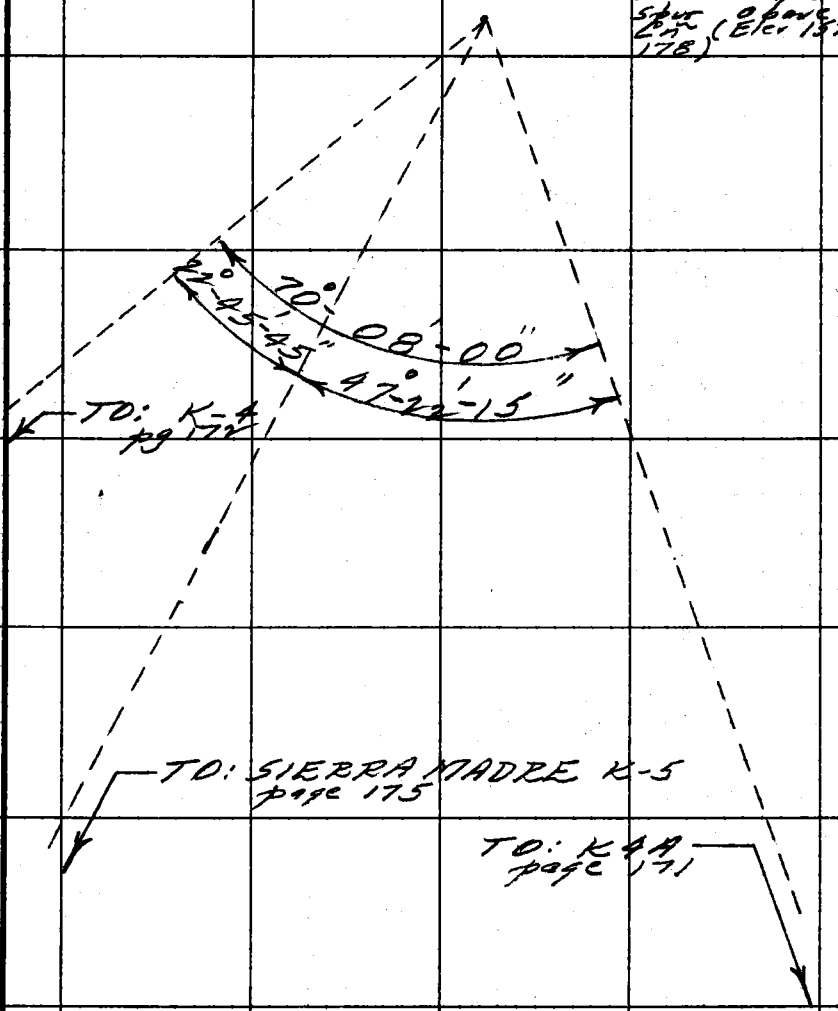
Notes Ck'd by	Survey of Lux Arboretum	F. B. 2249 Pg. 173
Map No.	JN 0059.00 Tape 126 Std 84 °F	
Office Work	Surveyed by R.J. Mitchell	
Checked	Notes Mitchell Date 8/58	
Date	Indexed A. C. Johnson	

W.S. 45-D-3

1)	47	22	30	1)	22	46	00	1)	70	08	20
4)	189	29	10	4)	91	03	10	4)	280	31	50
6)	284	14	00	6)	136	34	40	6)	60	48	00
Av)	47	22	20	Av)	22	45	46 2/3	Av)	70	08	00
Adj)	47	22	15	Adj)	22	45	45	Adj)	70	08	00

Photo Control Point "C"

Set 1" IP, Galv. I. Cap & set 10 ft. Hi. Signal over on crest of spur above Clamshell Cn (Elev 1527.2 pg. 178)



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.

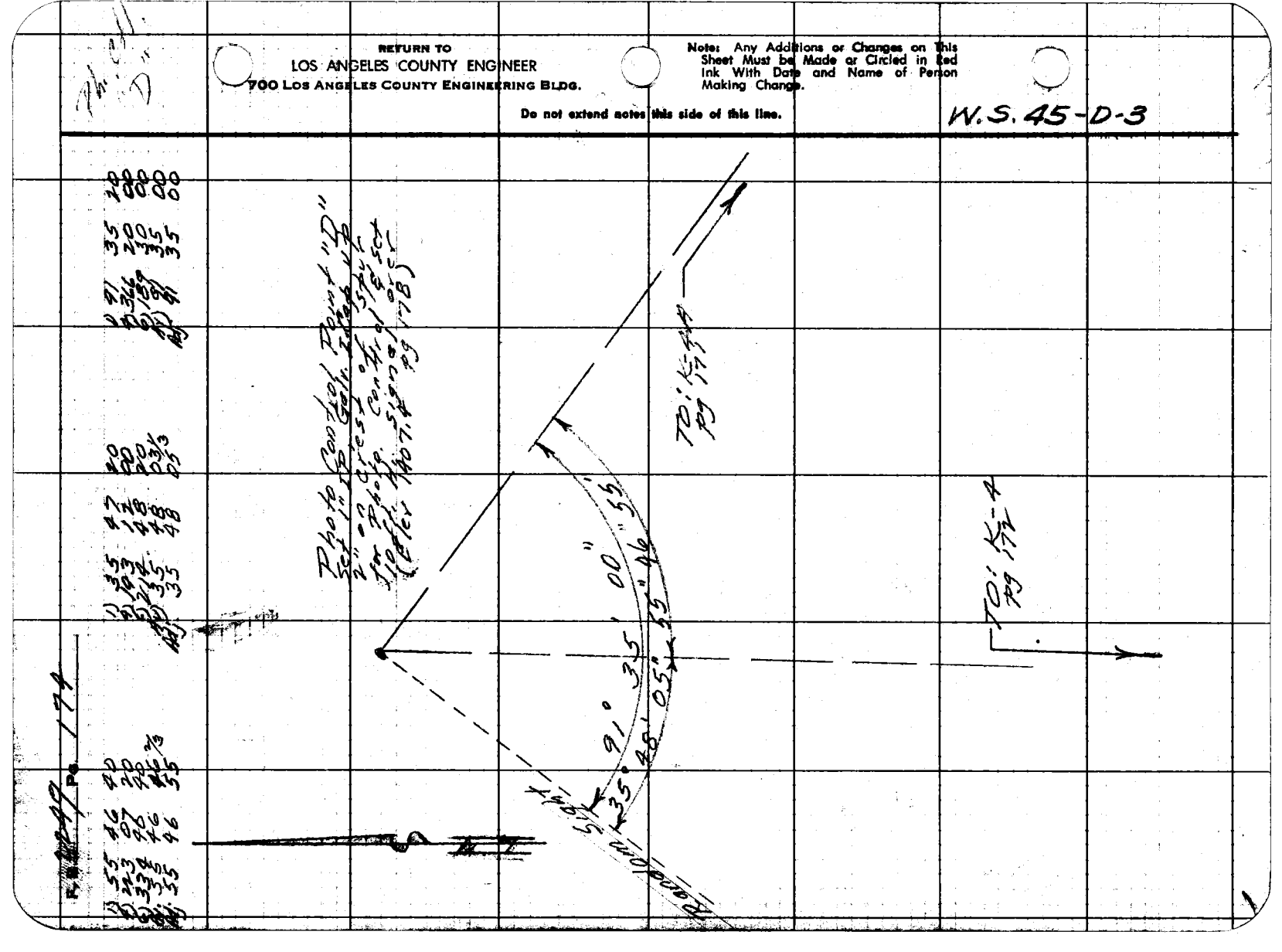
76F309S CE #247—3-57

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.

W.S. 45-D-3



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

Survey of Lux Arboretum
JN 0054.00 Tape 126 Std 84 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date 9/58
Indexed C. Johnson

F. B. 2219 Pg. 176a

MEAN SEA LEVEL DATUM

COORDINATES OF POINTS
CALIFORNIA COORDINATE SYSTEM - ZONE - 7

POINT	PAGE	NORTH	EAST	ELEV.
K-4	162, 172	5481.79	4177.89	1318.3
K-4A	163, 171	5381.87	5831.81	1566.8
INT	162	5494.34	3970.18	
W 1/4 COR - 5 1/4 (E)	24	5246.25	3971.34	
16+54.34 (F)	169	4278.26	3977.82	
"A"	169	3930.82	3899.62	1004.6
"B"	170	4412.12	5184.52	1269.6
K-5	175	1020.78	2538.59	1154.9
"C"	173	6563	5428	1521.6
NW COR SEC 14	95	{7868.54 / 7866.61}	{3958.78 / 3938.79}	Porters Dist / McIcheil's Dist
R/L-7	97	7892.96	5300.08	2289.9
TR/L-22A	163	5253.07	6103.14	
P-19	18	5265.69	6622.59	
P-25	193	6095.04	6618.41	1643.2
4+10.03	201-223	4434.98	4775.01	1176.0
"D"	174	6519.94	4185.95	1407.4
2+44.42	229	6276.11	4202.25	1313.8
R/L 6	97	7877.30	4439.81	
W 1/16 - N. Line	47 (FB 2384)	{7909.55 / 7911.67}	{5288.49 / 5288.50}	Porters Dist / McIcheil's Dist
4+81.15	48 "	{7883.38 / 7884.41}	{4439.70 / 4439.71}	Porters Dist / McIcheil's Dist
N 1/4 COR - 14	209	7951.22	6618.21	Portion 1812.9
42+27.01	210	7999.91	8183.79	
W-14	FB 2384-90	7019.89	7042.68	1573.7

NOTE: Coordinates labeled "Porter's Dist." based on Porter's dist. along W line of Section 14. Coordinates labeled "McIchell's Dist." based on distance from W 1/4 cor & NW cor Sec 14 as shown on R/S 2577 & 2580. These distances more closely fit record & more closely fit triangulation shown on R/S 247

4/59 RJM

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

Do not extend this side of this line.

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

Forms SE #247 1-56

F.B. 1449 PG. 176 b

SUMMARY OF CALCULATED LENGTHS & BEARINGS OF LINES

LINE FR.	LINE TO.	LENGTH	BEARING °	'	"		COORD. DIFF. E,	N	PG (FB's not 2209)
K-4	K4A	1656.94	S 86	32	35	E			162
K-4	INT	208.14	S 86	32	35	E			162
INT	W¼COR	248.10	S 0	16	30	E			162
W¼COR	16+54.34	967.99	S 0	16	30	E			169
16+54.34	"A"	355.72	S 12	23	20	W			169
K-4	"B"	1468.84							170
K-4	"C"	1619.12	N 50	31	05	E			173
K-4	"D"	1038.18	"						174
K-4A	"A"	2415.80							169
K-4A	"B"	1165.94							170
K-4A	"C"	1200.16							173
K-4A	"D"	~~1200~~ 2001.01	N 55	20	13	W	+645.86, -1138.07		174
"A"	"B"	1372.02	N 69	27	50	E			169
K-5	"B"	4289.76							170
K-5	"C"	6197.10	N 27	47	13	E			173
INT	NW Cor 4	2374.23	N 0	16	30	W	- 11.90 +2374.20		162
NW COR	R/L 7	1341.52	N 88	57	25	E			97
R/L 7	K 4	2659.52	S 24	57	28	W			97
R/L 7	K4A	2566.77	S 11	57	21	E			97
K4A	T/L 22A	300.38	S 64	35	30	E	271.93 - 128.80		163
T/L 22A	P 19	519.60	N 88	36	30	E	519.45 12.62		163
P-19	P-25	829.36	N 0	17	20	W	- 4.18 829.35		193
P-25	K4	2516.39					-2440.52 - 613.25		193
P-25	K4A	1061.77					- 786.60 - 713.17		193
"A"	4+10.03	1010.17	N 60	03	40	E	+ 875.37, + 504.15		223
K4A	2+44.12	1858.80	N 61	14	38	W	- 1629.56, + 894.24		229
NW Cor	R/L 6	481.11	N 88	57	25	E	+ 481.03, + 8.76		97
R/L 6	K4A	2857.42					+ 1392.00, -2495.43		
"	K4	2409.79					- 261.92, -2395.51		
"	"B"	3544.30					+ 744.71, -3465.18		
"	W¼ N Ln	849.29					+ 848.68, + 32.25		
R/L 7	W¼ N Ln	20.24	N 34	56	35	W	- 11.59, + 16.59		147 (238b)

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

Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 001601 Tape 126 Std. 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date Apr '59
Date	Indexed

F. B. 2249 PG. 176 C

LINE FROM	LINE TO	LENGTH		BEARING	°	'	"		COORD DIFF EAST		COORD DIFF NORTH		Note pg 176a
K-4	W 1/16 (N Ln)	2669	73						+1110	60	+2427	76	Porter
"	4+81.15	2415	82						+261	81	+2401	59	Porter
K-4-A	W 1/16	2585	41						-543	32	+2527	68	Porter
"	4+81.15	2862	78						-1392	11	+2501	51	Porter
R/L 6	4+81.15	6	08	N	1	02	35	W	-0	11	+6	08	Mitchell
R/L 7	4+81.15	860	43	S	89	21	43	W	-860	38	-9	58	Mitchell
B	4+81.15	3550	27	N	12	06	37	W	-744	82	3471	26	Porter
K 4	N 1/4 Cor	3472	06	N	44	39	20	E	2440	32	2469	83	
K-4	42+27.01	4731	61	N	57	50	47	E	4005	90	2518	12	
K-4	W-14								2864	79	1538	10	

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 126 Std. 64 oF
Office Work	Surveyed by R.F. Mitchell
Checked	Notes Mitchell Date Aug 58
Date	Indexed

F. B. 749 PG. 177

MEAN SEA LEVEL DATUM

SURVEY SHOWING

VERTICAL ANGLE B.M.s

AS ESTABLISHED FOR
AERIAL PHOTOGRAPHIC CONTROL
FOR

LUX ARBORETUM

JN 0054.00

Mitchell
Smiley
Bustrum
Merino

Aug & Sep., 1958

FOR INDEX TO THESE NOTES SEE PAGE 168

DATUM: Elevations shown in these notes are based on Mean Sea Level datum and on Vertical Angle elevation of △ SIERRA MADRE K 4 A (page 163) as furnished by triangulation party and shown in book to be Elev = 1566.76

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.

76F209S CE #247—3-57

VERTICAL ANGLE BENCH MARKS

INSTRUMENT STA.	HEIGHT above Sta (BS) (+)	SIGHT ON STA.	ROD (-)	VERT. ANGLE ±	°	'	"	DISTANCE HORIZ	VERT	DIFF. IN ELEV. CALC.	ADJ.	ELEV.	REMARKS
K4A	4.9											1566.8	pg 163, 171 Basis for Elev.
		"B"	10.0	-	14	04	40	1165.94	-292.08	-297.2	-297.2	1269.6	pg 170
			8.0	-	14	09	40	"	-294.19	-297.3			
		"A"	9.0	-	13	00	20	2415.80	-557.98	-562.1	-560.2	1005.6	pg 169
			8.0	-	13	01	20	"	-558.72	-561.8			
		K-4	8.0	-	8	27	20	1656.94	-246.32	-249.4	-248.9	1318.3	pg 172
			6.0	-	8	30	50	"	-247.79	-248.9			
		"D"	10.0	-	4	25	30	2001.01 ~~1900.01~~	154.85	-159.9	-159.4	1407.6	pg 174
			8.0	-	4	28	40	"	~~-147.03~~	~~-152.1~~			
									~~-148.79~~	~~-151.9~~			
									156.70	-159.8			
		~~"C"~~	~~10.0~~		~~1~~	~~42~~	~~10~~	1200.16	~~-36.88~~	~~-42.0~~	-39.6	1526.8	pg 173
		"C"	8.0	-	1	46	00	"	-36.02	-39.1			
		RM-3	4.7		0	00	00	3.82		+0.2	+0.2	1567.0	pg 171
"B"	5.0												pg 170
		Monrovia (K-5)	10.0	-	1	28	20	4289.76	-1102.5	-115.2	-114.7	1154.9	pg 175
			8.0	-	1	29	40		-1111.92	-114.9			
		"A"	10.0	-	10	42	40	1372.02	-259.52	-264.5			pg 169
			8.0	-	10	47	20	"	~~-251.27~~	~~-254.3~~			
									261.45	-264.4			
		K-4	8.0	+	1	59	40	1468.84	+51.15	+48.2			pg 172
			7.0	+	1	58	30	"	+50.65	+48.6			
		K-4A	9.0	+	14	28	30	1165.94	+300.99	+297.0			pg 171
			8.0	+	14	27	00	"	+300.45	+297.4			
"A"	5.2												pg 169
		K4A	10.0	+	13	09	10	2415.80	+564.52	+559.7			pg 171
			9.0	+	13	08	30		+564.03	+560.2			
		"B"	10.0	+	11	05	00	1372.02	+268.77	+264.0			pg 170
			9.0	+	11	02	30		+267.73	+263.9			

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.

76F909S CE #247—3-57

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.

VERTICAL ANGLE BENCH MARKS

Notes C'k'd by
Map No.
Office Work
Checked
Date

Survey of Lux Hot Springs Rd
JN 0254.08 Page 126 Std. 04 05
Surveyed by R.J. McEACHIN Date 9/58
Notes M.H. Eachin
Indexed C. Tolmasoff

F.B. 7447 PG. 1552

INSTRUMENT STA.	INSTRUMENT HEIGHT above STA. (B.S.)	SIGHT ON STA.	ROD (-)	VERT. ANGLE ±	°	'	"	DISTANCE HORIZ.	DIFF. IN ELEV. VERT.	DIFF. IN ELEV. CALC.	DIFF. IN ELEV. ADJ	ELEV.	RMKS
"C"	5.0												pg 173
		K4A	10.0	+	2	07	50	1200.16	+ 44.65	+ 39.6			pg 171
			7.0	+	2	00	30		+ 42.09	+ 40.1			
		Monument	9.0	−	3	24	10	6197.10	−368.48	−372.5			pg 175
			9.0	−	3	23	30		−367.27	−371.3			
		K-4	8.0	−	7	14	20	1619.12	−205.66	−208.7			pg 172
			6.0	−	7	18	00		−207.41	−208.4			
RR7	4.0											2289.9	pg 97
		K4A	0.0	−	15	49	20	2566.77	−727.40	−723.4	−723.1	1566.8	pg 171
			0.0	−	15	48	40		−726.86	−722.9			
		K4	0.0	−	20	09	50	2659.52	−976.61	−972.6			pg 172
K-4	4.7		0.0	−	20	08	50		−975.73	−971.7			pg 172
		"D"	10.0	+	5	04	30	1038.18	+ 94.94	88.5			pg 174
			8.0	+	5	06	40	1900.01	+ 168.23	164.7			
		"C"	10.0	+	7	31	50	1619.12	+ 214.04	+208.7			pg 173
			8.0	+	7	27	20		+ 211.88	+208.6			
		K4A	9.0	+	8	40	50	1656.94	+ 252.97	+248.7			pg 171
			8.0	+	8	39	00		+ 252.07	+248.8			
		"B"	10.0	−	1	42	00	1468.84	− 43.59	− 48.9			pg 170
			9.0	−	1	44	00		− 44.85	− 49.1			
"D"	4.8												pg 174
		K4A	6.0	+	4	25	00	2001.01	+ 160.41	+159.2			pg 171
			7.0	+	4	36	40	1900.01	+ 173.31	+171.1			
		K-4	0.0	−	5	11	20	1038.18	− 141.37	−139.2			pg 172
			1.0	−	5	08	40		− 93.47	− 89.7			

VERTICAL ANGLE BENCH MARKS

INSTRUMENT		SIGHT		ON				DISTANCE		DIFF. IN ELEV.		ELEV.	REMARKS
STA	HEIGHT above STA. (B.S.)	STA	ROD (−)	VERT. ANGLE ±	0	11	1	HORIZ.	VERT.	CALC.	ADJ.		
D													
K-4	1.5											1317.9 ~~1318.3~~	pg 172 - pg 178
		TP#1	0.50		0	00	00					1318.9 ~~1319.3~~	Random Turning Pt.
TP#1	9.5											"	" " " " "
		TP#2	8.4		0	00	00					1320.0 ~~1320.4~~	Random Turning Pt.
TP#2	1.0												" " " " "
		TP#3	11.3		0	00	00					1309.7 ~~1310.1~~	Random Turning pt.
TP#3	0.2												adj.
		Road 4	11.5		0	00	00					1298.5 ~~1298.8~~	Assumed BM pg 43 see pg 43 for equation
Road 4	11.9												See also pg 35 for location of Rd #4
~~TP#4~~		T.P. #4	0.7		0	00	00					1309.6 ~~1310.0~~	Random Turning Point
TP#4	11.1												" " "
		TP#5	1.0		0	00	00					1319.7 ~~1320.1~~	Random Turning Point
T.P.#5	8.5											Adj. 9	" " "
		K-4 ~~TP#6~~	10.5		0	00	00					1317.9 ~~1318.1~~	pg 172
K4	4.7												pg 179
		"D"	10.0 ~~8.0~~	+ 5 ~~+ 5~~	13 ~~06~~	30 ~~40~~		1038.18 "	+ 94.94 ~~+ 91.82~~	+89.6 ~~+88.5~~			
			8.0	+ 5	06	40							

Contd on page 199

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 0054.00 Tape 176 Std 89 °F
Office Work	Surveyed by: R.J. Mitchell
Checked	Notes: M. Mitchell Date: Aug '58
Date	Indexed: C. Johnson

F. B. 2249 Pg. 181

Note: Any Additions or Changes on This Sheet Must be Made 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
1700 LOS ANGELES COUNTY ENGINEERING BLDG.

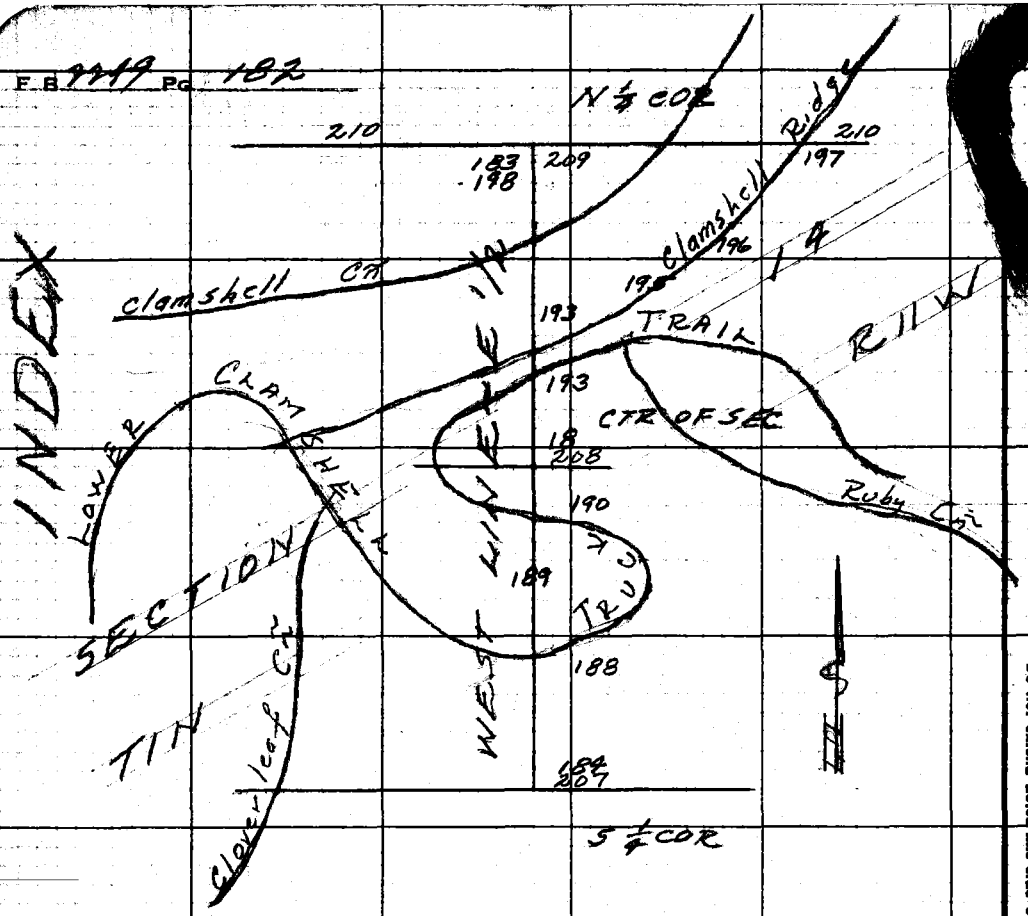
SURVEY OF
THE
WEST LINE
OF THE
EAST HALF
OF
SECTION 14
T 1 N ~ R 11 W
FOR
LUX ARBORETUM
JN 0054.00

Mitchell
Smiley
Bustrum
Merino

September 1958

765308S CE #847—3-57

F.B. 2219 Pg. 182



NOTES:

1. Line surveyed is a straight line joining the S ¼ Cor as established midway betw accepted sec corners (pg 184 & notes on pgs 72 & 73) and the N ¼ Cor as tentatively established by proportion against the cutting survey of 1896 & as shown on page 157. (August 1958)

NOTE: November 1958 ~ See pgs 205-210 for corrected location of line shown.
~ R.J.M.

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 2580.00 Tape 126 Std. 24'
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 8
Date	Indexed C. Johnson

B 7749 PG. 183

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.

LINES VOID
SEE PAGE
205 ±
following

TO CS MON @ NW COR SEC 14 pg 95

2660.66 Meas
40.00 ch = 2640.00
per Cutting

R/W Line
Fd 1" I.P.
Tag "LS 5099"
0.39' Deep
per CS

(Elev = 1846.9 Assd)
Set 10" I.P. with Tag
"LS 5099" flush with
ground in 2" dia.
bench cut at base
of 10" dia. by 15" high
rock face on S'ly
drainage in shale area
of sm. gully - very gradual
steep dn. to S.W.
Set by calc. 9.3' E
brng fr. R/W Int. & by
calc. approx. betw.
Sec. Corners 13 & 14
on pages 154 - 157
2,700.57 prop.
40.60 ch = 2680.98 Rec.
by Cutting

TO NE COR SEC 14 per CS pgs 154-157

RANCHO

Calc. 49-10"
E 55 ±

32.65'
Set calc.

31-53-30"
154-157

W.A. = 39°22'

15-56-45"

R/W Line
Fd 1" I.P.
pg 100, 157

90°
8.55
pg 157

LINE

No thing Set

See pg 198

R/W Line
Fd 1" I.P. Bent
in Section Side
Set pg 198

R/W Line
Fd 1" I.P.
pg 100, 157

SECTION 14 ~ T 1 N ~ R 11 W

1) 41.86 @ 38°33 (T=84°) = 32.74'
2) 42.72 @ 39°54 " = 32.77'
3) 42.36 @ 39°22 " = 32.75'
= 32.75'
Less Avg (back) 0.10
Set @ calc dist. = 32.65'

Set for calc.

1)	74	49	10
2)	149	38	20
3)	224	16	30
Avg	74	49	07½
1)	15	56	40
2)	31	53	30
Avg	15	56	45

78F309S CE #247—3-57

F.B. 1149 Pg 184

Cont'd on page 185

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 0054.00 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 9/58
Date	Indexed C. Johnson

F.B. 2249 PG. 185

Contd on page 186

ASCENDING ALONG SIDE HILL 50 FT W OF DRAW

106.53

5+37.47
P-4
Set 1x2 & n
(Ch. pt. only)
in cut bench
on side slope

ASCENDING ALONG SIDE HILL 50 FT W OF DRAW

57.65

draw

4+79.02
P-3
Set 1x2 & n
(Ch. pt. only)
in bench on
side slope

ASCENDING

201.91

80±

2+77.91
P-2
Set 1x2 & n
ch. pt. only

ASCENDING

LINE VOID ~ SEE PG. # 205 ff.
WEST LINE ~ E 1-2 SEC 14

55.77

1) 205.04 @ 10°01 (T=90°) = 201.92 1) 58.09 @ 7°00 (T=88°) = 57.66
2) 205.20 @ 10°17 " = 201.91 2) 58.20 @ 7°51 " = 57.65
Avg = 201.91 Avg = 57.65

1) 110.75 @ 15°53 (T=84°) = 106.51
2) 110.66 @ 15°40 " = 106.55
3) 110.5[illegible] @ 15°31 " = 106.53

SEC 14 TIN RIVER

Contd from page 184

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.

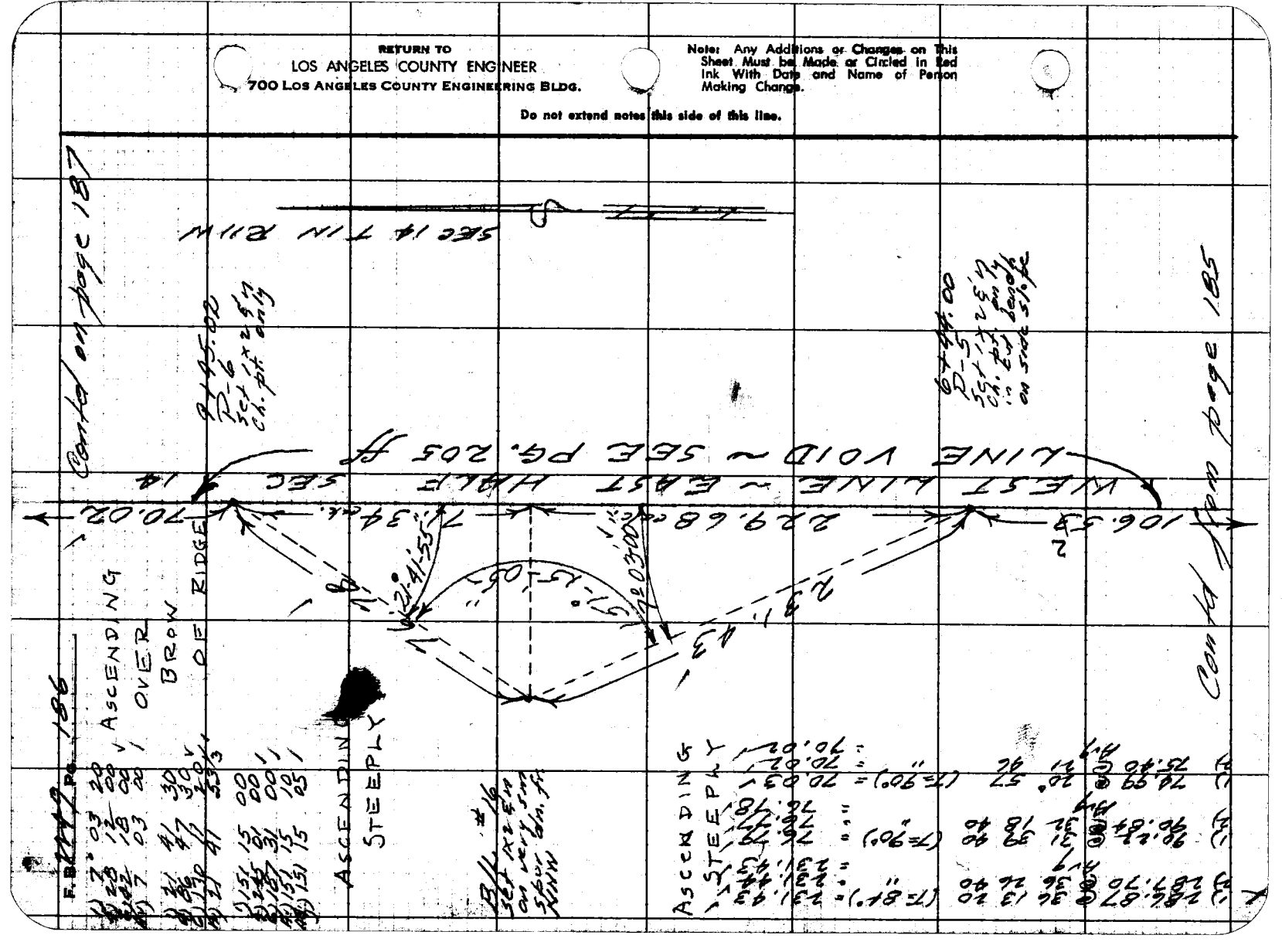
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

V6F309S CE #247—3-57

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 0054.00 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 9/58
Date	Indexed C. Johnson

F. B. 2249 PG. 187

Contd on page 188

ASCENDING

ASCENDING CROSS SM. SWALE

ASCENDING

ASCENDING ALONG TOP OF SPUR

LINE VOID ~ SEE PG 205 ff.
WEST LINE - EAST 1/4 SEC. 14

119.14

276.72

20

176.92

120

90.42

70.02

15+59.10
P-10
set 1x2 & n on very sm. side spur ~ ch. pt. only

12+82.38
P-9
set 1x2 & n on top of spur ~ ch. pt. only

11+~~85~~ 05.46
P-8
set 1x2 & n on spur

10+15.04
P-7
set 1" IP cem pl. tg & n on line betw. 1/4 Cors. & at top of brow of spur.

1) 92.04 @ 10°47 (T=94°) = 90.42
2) 91.92 @ 10°21 " = 90.43
Avg

1) 177.46 @ 4°31 (T=98°) = 176.93
2) 177.37 @ 4°12 " = 176.91
Avg

1) 277.85 @ 5°15 (T=98°) = 276.72
2) 277.92 @ 5°23 " = 276.72
Avg

1) 122.36 @ 13°10 (T=86°) = 119.14
2) 122.83 @ 14°05 " = 119.14
Avg

Contd from page 186

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.

76F309S CE #247—3-57

F.B. 1149 Pg. 188

Contd on page 189

edge of Rd

T.T.
BEARS
N 78°E.

21+17.12
Set 1" IP compl. T.S. & Tk at ctr (approx) of Lower Clamshell Truck Trail dn. 12"

Edge of Rd
Shoulder of Truck Trail

21+06.95
P-13
Set 1x2 & n in So. Shoulder of Lower Clamshell Truck Trail

0.18

N60E

18+59.34
P-12
Set 1x2 & n on Sm. Spur Ch. pt. only

draw

Sm. Spur

N 70 E

16+78.24
P-11
Set 1x2 & n on Sm. Spur ~ Ch. pt. only

Sm. Spur

LINE VOID - SEE PAGE 205 f.f.
WEST LINE ~ EAST 1-2 - SEC 14

38.69

10.17

247.61

181.10

119.14

SEC 14 T1N R11 W

1) 181.82 @ 5°08 (T=90°) = 181.10
2) 181.95 @ 5°34 " = 181.10
Avg = 181.10

1) 44.00 @ 28°26 (T=94°) = 38.69
2) 44.48 @ 29°34 " = 38.69
Avg = 38.69

1) 9.03 @ 24°55 (T=80°) = 247.61
2) 9.57 @ 24°42 " = 247.62
Avg = 247.61

Contd from page 187

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.

2249 189

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 005400 Tape 126 Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes R.J.M. Date 9-58
Date	Indexed A. C. Johnson

F. B. _____ Pg. _____

1) 72 37 50
2) 250 31 30
6) 75 47 20
4) 72 37 53 1/3

Contd on page 190

DESCENDING

72.05

72°-37' - 22+95.92
P-16
Set 1" I.P. cem pl. Tg. Etk up 2" at N side top of ridge betw. Hidden Valley & Ruby Canyon

LEVEL ACROSS TOP OF RIDGE

25.28

147.96

22+70.64
P-15
Set 1" IP cem. pl. Tg. Etk up 2" at S side top of ridge betw. Hidden Valley & Ruby Canyon.

Contour Lines

ASCENDING

125.00

21+45.64
P-14
Set 1x2 Gn in cut bench above road

LINE VOID — SEE PG 205
WEST LINE - EAST 1-2 ~ SEC. 14

Set Sm. Bk Sph. at in W side 8" oak tree at top of bank above road 0.3± W of line

ASCENDING

38.69

Contd from page 188

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.

78F3095 CE #247 3-57

40.60

66
.6
3.96

F.B. 2249 Pg. 190

Contd on page 18

DESCENDING

DESCENDING

CROSSING LOWER CLAMSHELL TRUCK TRAIL

WEST LINE VOID ~ SEE PG 205 ff.

LINE ~ EAST 1/2 ~ SEC 14

105.85

120.70

7.55

72.05

24+88.67
P-18
set 1x2 & n in cut bench on side slope. on line.

23+67.97
P-17
set 1x2 & n in shoulder of Rd. on line

Approx ℄

T.T. BEARS N 37 E

Approx ℄

T.T. BEARS S 80 W

23+60.42
set 1" IP cem pl. 7 & 8 ft. @ ctr (approx) of LOWER CLAMSHELL TRUCK TRAIL on 12"

SEC 14

T7N R11W

1) 128.11 @ 19°36' (T=94') = 120.70
2) 127.77 @ 19°09' = 120.71
Avg = 120.70

1) 117.68 @ 25°55' (T=100') = 105.86
2) 117.50 @ 25°45' = 105.84
Avg = 105.85

Contd. from Pg. 189

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

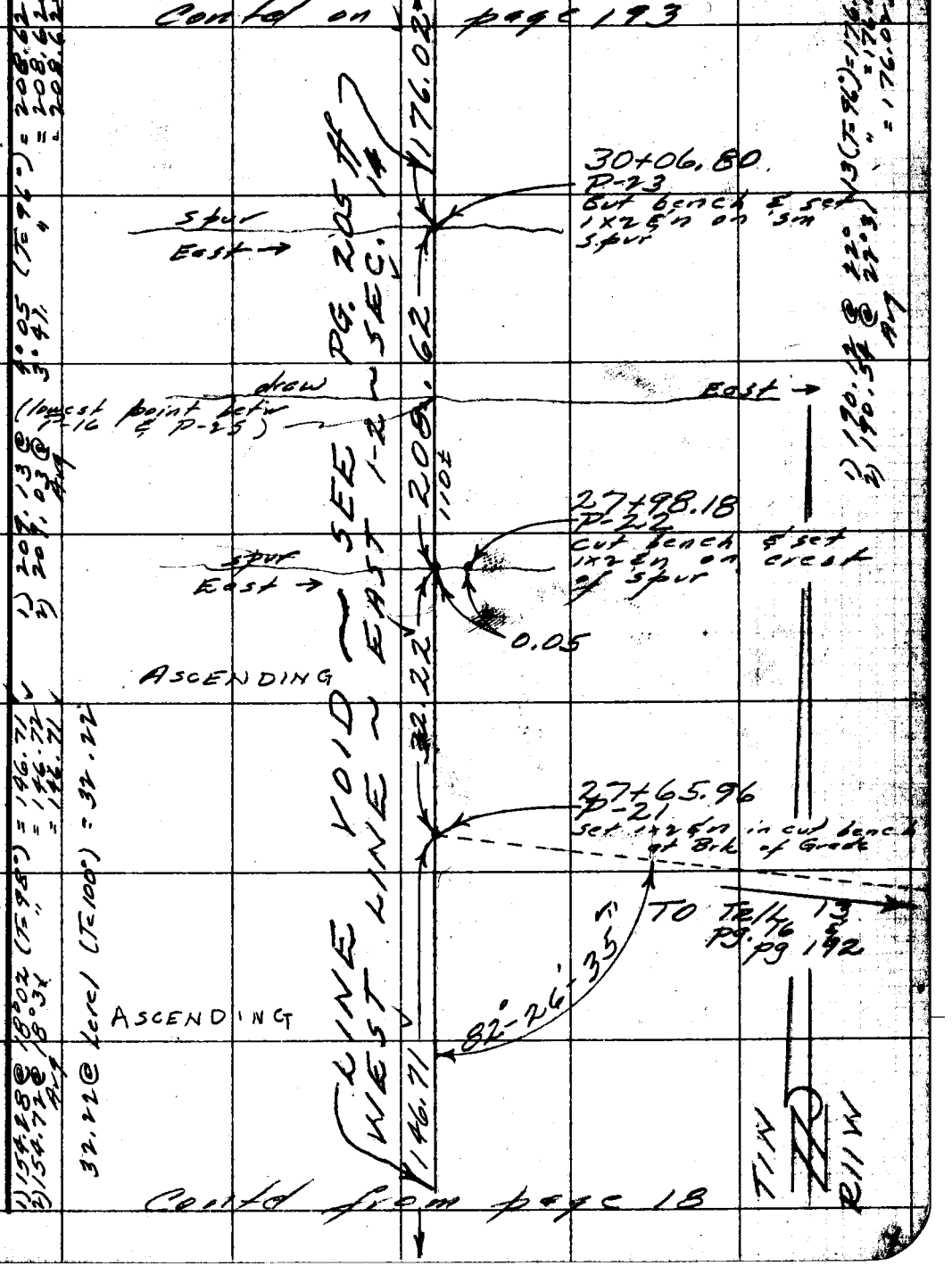
Do not extend notes this side of this line.

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	F. B. 2249 Pg. 191
Map No.	JN 0050.09 Tape 126 Std 84 °F	
Office Work	Surveyed by R.J. Mitchell	
Checked	Notes Mitchell Date 9/58	
Date	Indexed C. Johnson	

1) 97 33 20
2) 30 13 40
3) 225 20 30
Avg 97 33 25
Supp 82 26 35

Contd on page 193



Contd from page 18

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 S&E #247 1-56

PLEASE 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 this side of this line.

76F3098 S&E #247 1-56

PLEASE 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 this side of this line.

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

Survey of Lux Blackburn
JN 00 [illegible] Tape/Pc Std BE °F
Surveyed by [illegible]
Notes [illegible]
Indexed

F. B. 2249 Pg. 193

Center on Base Line

1) 56 45 10
2) 56 45 10
3) 56 45 20
4) 56 45 33 1/3
5) 56 45 40

1) 38 15 20
2) 153 02 00
3) 229 33 20
4) 38 15 33 1/3
5) 38 15 40

1) 95 01 20
2) 20 05 10
3) 210 08 30
4) 95 01 25
5) 95 01 20

B/4 17 Set 1x2 6in in 3/4" edge of Lower Clamshell Truck Trail

1) 180.98 @ 20°52 (T=78°) = 178.45
2) 181.24 @ 21°05 " = 178.43
Av = 178.44

1) 296.79 @ 14°41 (T=76°) = 287.09
2) 297.25 @ 15°01 " = 287.09
Av = 287.09

1) 82.81 @ 9°27 (T=62°) = 81.68
2) 82.64 @ 8°45 " = 81.67
Av = 81.67

1) 20-09-10
2) 80-36-40
3) 120-54-50
Avg = 20-09-08 1/3

1) 47 28 40
2) 47 28 40
3) 47 28 20
4) 47 28 00
5) 47 27 40
6) 47 27 40
7) 47 27 20
8) 47 27 20

1) 132 47 20
2) 132 47 00
3) 132 46 40
4) 132 46 40
5) 132 46 20
6) 132 46 20
7) 132 46 00
8) 132 45 40

1) 126 56 20
2) 126 56 20
3) 126 56 20
4) 126 56 20
5) 126 56 20
6) 126 56 20
7) 126 56 20
8) 126 56 20

1) 13 40 20
2) 13 40 00
3) 13 40 00
4) 13 40 00
5) 13 40 00
6) 13 40 00
7) 13 40 00
8) 13 39 40

1) 42 00 20
2) 42 00 00
3) 42 00 00
4) 42 00 00
5) 42 00 00
6) 42 00 00
7) 42 00 00
8) 42 00 00

VOID

LINE

WEST LN. E 1/2 25.14

41.06 SEE PG 205

225.43

176.02

1859.13

600±

15.63

Tan 37°22' 11.44

Tan 32°13' 20"

124.06

Tan 37°22' 11.44

Tan 32°13' 20"

Tan 37°22' 11.44

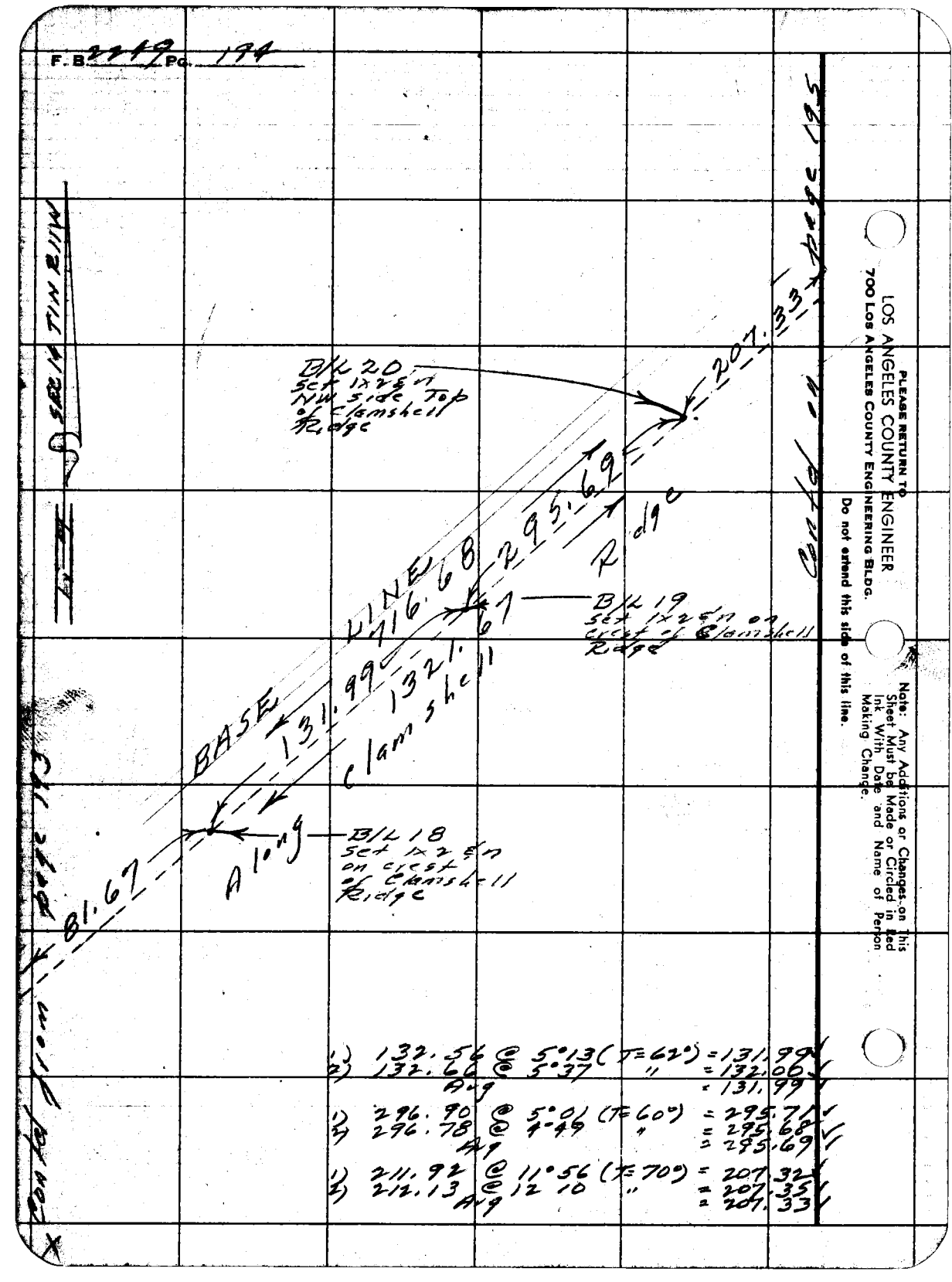
Tan 32°13' 20"

Along Clamshell Truck Trail

Clamshell Truck Trail

Clamshell Truck Trail

F.B. 2249 Pg. 194



b) 132.54 @ 5°13 (T=62°) = 131.99
132.60 @ 5°37 " = 132.06
A-9 = 131.99

1) 296.90 @ 5°06 (T=60°) = 295.71
296.78 @ 4°48 " = 295.68
A-9 = 295.69

1) 211.92 @ 11°56 (T=70°) = 207.32
212.13 @ 12°10 " = 207.35
A-9 = 207.33

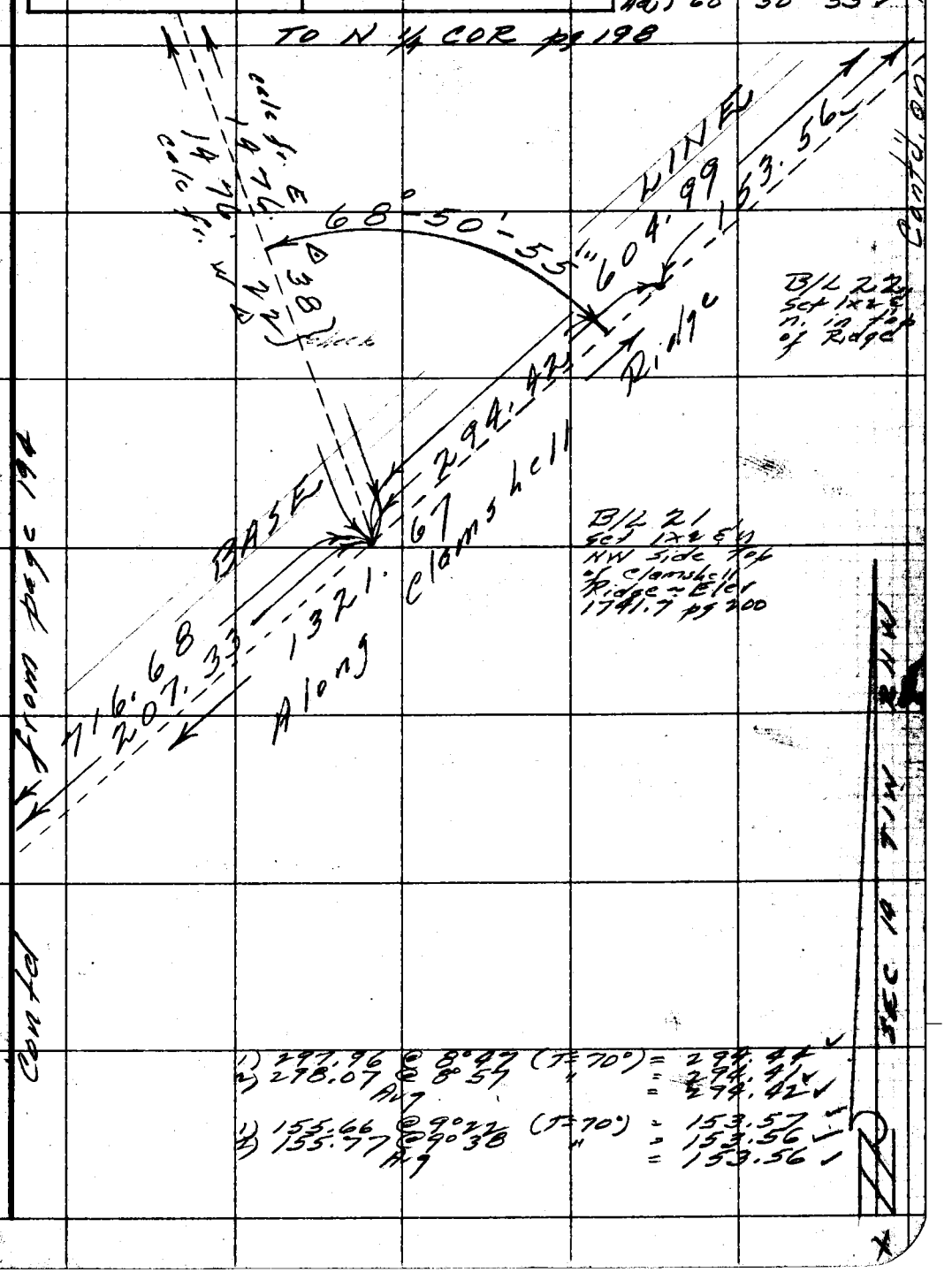
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN005400 Tape 126 Std 84 °F
Office Work	Surveyed by R. J. Mitchell
Checked	Notes R. J. M. Date 9-58
Date	Indexed C. Johnson

F. B 2249 PG. 195

1) 68 50 40
4) 275 23 20
6) 53 04 50
Av) 68 50 48 1/3
Adj) 68 50 55



1) 297.96 @ 8°47 (T=70°) = 294.44
2) 298.07 @ 8°57 " = 294.41
Avg = 294.42

1) 155.66 @ 9°22 (T=70°) = 153.57
2) 155.77 @ 9°38 " = 153.56
Avg = 153.56

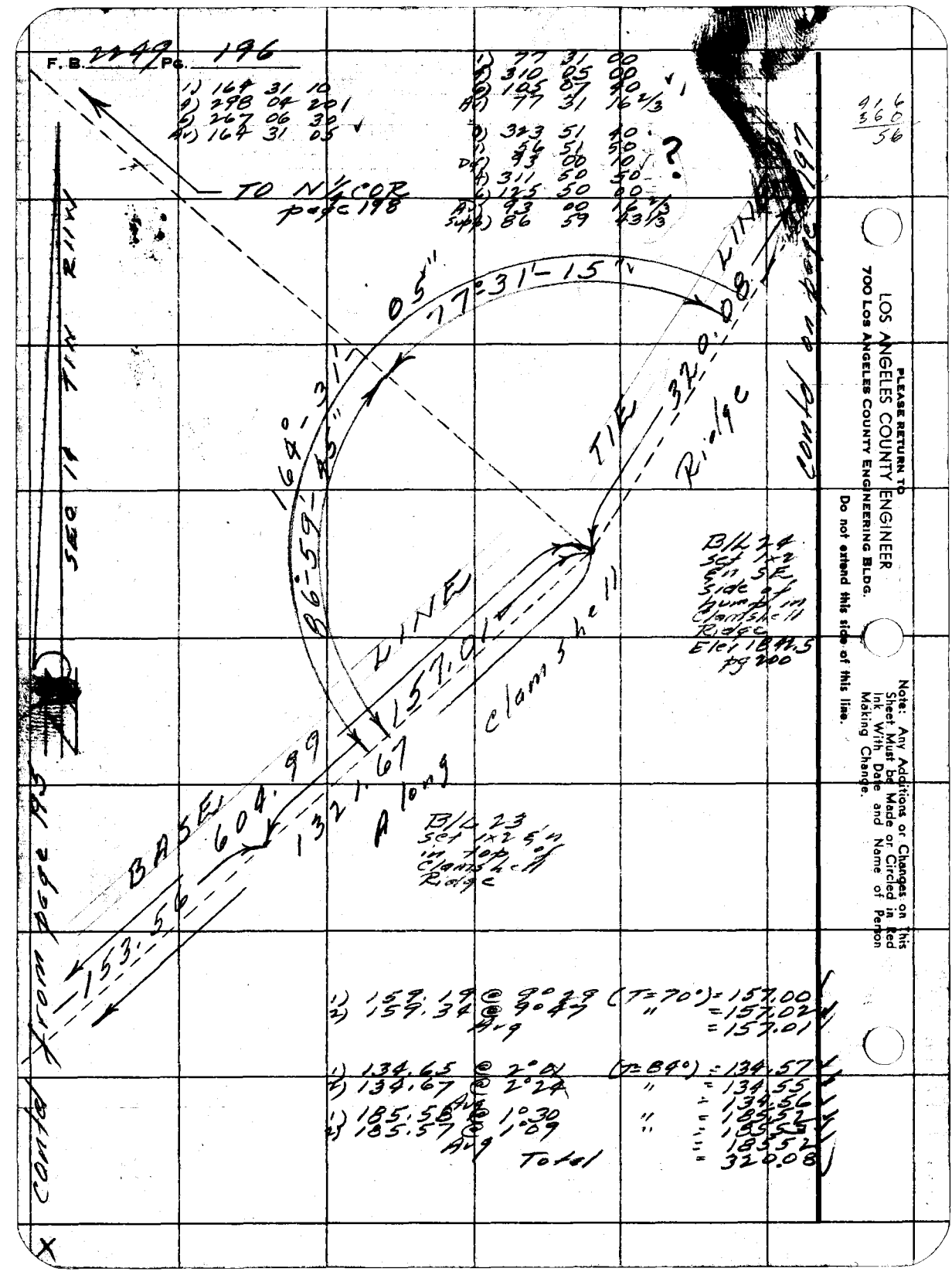
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

76F309S S&E #247 1-56

F.B. 2149 Pg. 196



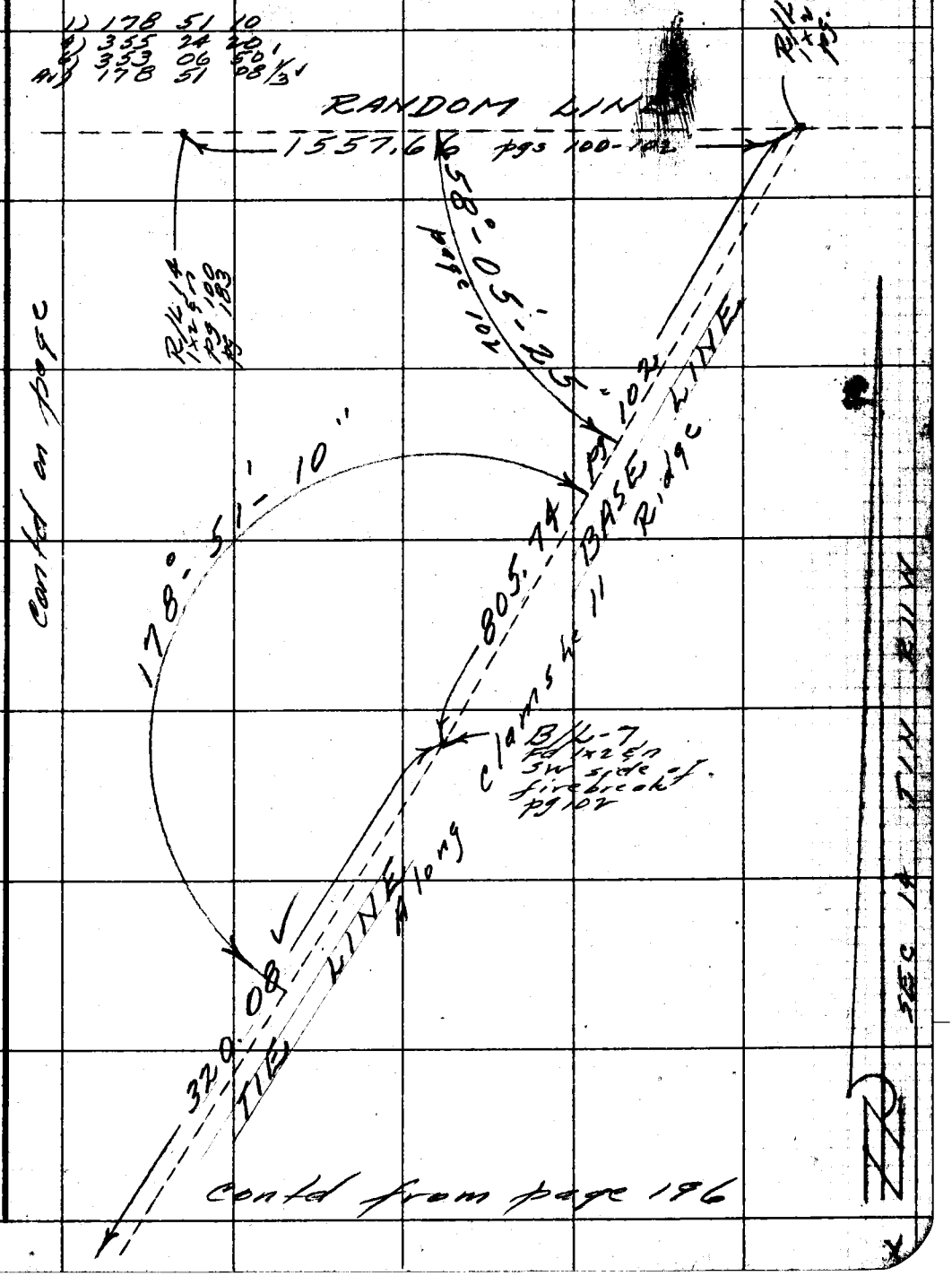
916
356
56

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes R.J.M. Date 9-58
Date	Indexed A. C. Johnson

1) 178 51 10
4) 355 24 20
6) 353 06 50
Av) 178 51 08 1/3



Contd on page

Contd from page 196

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

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

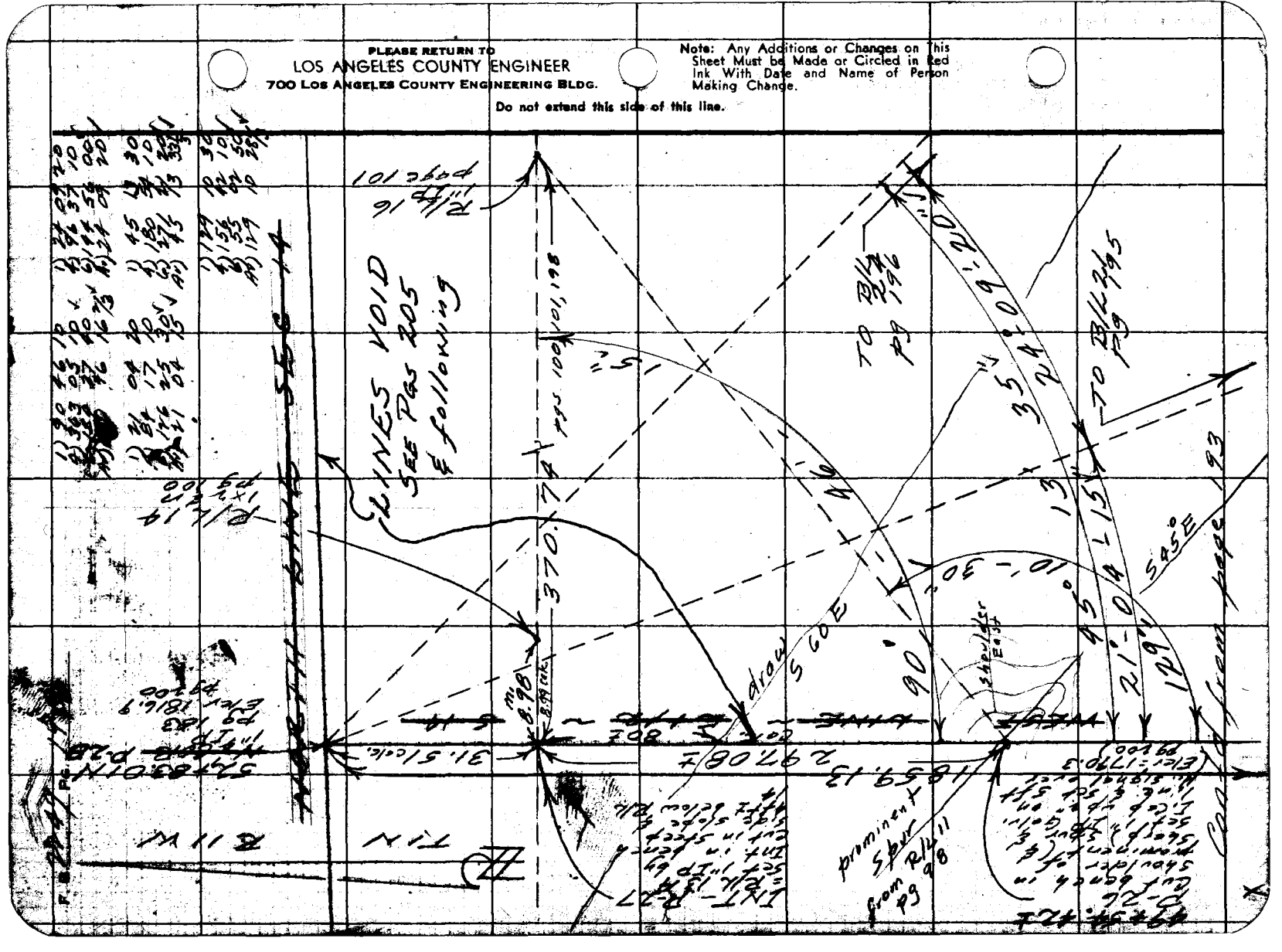
Do not extend this side of this line.

76F309S S&E #247 1-56

PLEASE 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 this side of this line.



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

Survey of Lux Arboretum
JN 005400 Tape 126 Std 94 °F
Surveyed by R.J. Mitabe II
Notes R.J.M. Date 9-68
Indexed L.C. Johnson

F. B 2249 PG. 199

MEAN SEA LEVEL DATUM

VERTICAL ANGLE B.M.'s

LUX ARBORETUM

CONTINUED FROM
PG. 180

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

Do not extend this side of this line.

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

76F3098 S&E #247 1-56

VERTICAL ANGLE BENCH MARKS

F.B. 1113 Pg. 200

INSTRUMENT STA.	INSTRUMENT HEIGHT above Sta. (B.S.) (+)	SIGHT ON STA.	ROD (−)	VERT. ANGLE + ° ′ ″	VERT. ANGLE − ° ′ ″	DISTANCE HORIZ.	DIFF. IN ELEV. VERT.	CALC.	ADJ.	ELEV.	REMARKS.
P-25	6.7									1643.2	pg 193
		K 4A	0.0	4 29 00		1061.77	− 83.3	− 76.6			
			4.0	4 15 20			− 79.0	− 76.3	− 76.4	1566.8	pg 163
		K-4	0.0	7 39 30		2516.31	−331.7	− 325.0			
			4.0	7 27 30			−327.4	− 324.7	− 324.9	1318.3	pg 162
P-25	4.7									1643.2	pg 193
		BL 21	6.0	8 00 30		716.68	+100.8	+ 99.5	+ 98.5	1741.7	pg 195
			6.0	7 55 20			+ 99.7	+ 98.4			
		P 26	5.0	5 37 40		1530.54	+148.6	+ 148.3	+ 147.1	1790.3	pg 198
			3.0	5 24 20			+144.8	+ 146.5			
BL 21	4.7										pg 195
		P-25	10.0	07 24 30		716.68	−93.2	− 98.5			pg 193
			7.0	07 39 00			−96.3	− 98.6			
		BL 24	8.2	09 46 40		604.99	+104.3	+ 100.8	+ 100.8	1842.5	pg 196
			8.2	09 46 30			+104.2	+ 100.7			
		N¼ COR	10.0	03 06 20		1476.22	+ 80.1	+ 74.8	+ 75.2	1816.9	pg 198, 183
			6.0	02 55 20			+ 75.4	+ 74.1			
BL 24	4.8										pg 196
		BL 21	6.0	9 21 20		604.99	− 99.5	− 100.7			pg 195
			6.0	9 21 40			− 99.7	− 100.9			
		N¼ COR	9.0	00 49 40		1378.73	− 19.9	− 24.1			pg 198
			6.0	1 00 40			− 24.3	− 25.5			
P-26	5.2										pg 198
		P-25	1.0	5 39 20		1530.54	−151.6	− 147.4			pg 193
		"	8.0	5 19 30			−142.7	− 145.5			D R
		"	10.0	5 04 10			−135.8	− 140.6			
		"	5.0	5 31 00			−147.8	− 147.6			D R

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
TOPANGA 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 this side of this line.

76F3095 S&E #247 1-56

PLEASE 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 this side of this line.

VERTICAL ANGLE BENCH MARKS

INSTRUMENT STA	INSTRUMENT HEIGHT of Inst. (B.S.) (+)	SIGHT ON STA	ROD (-)	VERT ANGLE °	'	"	DISTANCE HORIZ.	DISTANCE VERT.	DIFF ELEV. CALC.	DIFF ELEV. ADJ.	ELEV.	REMARKS
P-26	5.2											pg 198
		N¼COR	0.0	+ 3	43	00	328.59	+ 21.5	26.7			pg 198
			10.0	+ 3	29	20		+ 31.6	26.8			
N¼COR	5.2											pg 198
		B/L 24	8.2	+ 1	11	20	1378.73	+ 28.6	+ 25.6			D pg 196
			8.2	+ 1	11	30		+ 28.7	+ 25.7			DR
		B/L 21	6.0	- 2	53	50	1476.22	- 74.7	- 75.5			D pg 195
				- 2	53	20		- 74.5	- 75.3			DR
		P-26	5.0	- 4	41	20	328.59	- 27.0	- 26.8			pg 198
			4.0	- 4	51	10		- 27.9	- 26.7			
4+10.03	5.4										1176.0	pg 223
		A	10.0	- 9	20	00	~~1010.17~~	- 166.0	-170.6	-170.4	1005.6	D pg 169
			~~1392.02~~					- 167.6	-170.2			DR
		"	8.0	- 9	26	00		- 167.8	-170.4			D " "
			6.0	- 9	32	00		- 169.6	-170.2			DR
A	5.2	4+10.03									1005.6	pg 169
		4+10.03	3.4	+ 9	29	00	1010.17	+ 168.7	+170.5	+170.4	1176.0	DER pg 223
			2.5	+ 9	25	00		+ 167.5	+170.2			DFR
2+44.42	4.7										1313.8	pg 229
		K+A	8.0	+ 7	50	30	1858.80	+ 256.0	+252.7	+253.0	1566.8	
			2.0	+ 7	40	10		+ 250.3	+253.0			
		D	2.0	+ 20	25	10	244.42	+ 271.0	+ 93.7	+ 93.8	1407.6	
			8.0	+ 21	40	00		+ 97.1	+ 93.8			
K+A	4.7										1566.8	
		2+44.42	6.2	- 7	47	40	1858.80	- 251.7	- 253.2	- 253.0	1313.8	
			4.4	- 7	45	20		- 253.7	- 252.9			

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

Survey of Kunkle Drive
JNO 54000 Tape 126 Std 84 °F
Surveyed by R.T. Mitabe 11
Notes R.T.M. Date 9-58
Indexed C. Jensen

F. B. 2249 PG. 201

VERTICAL ANGLE BENCH MARKS

TRANSIT AT		SIGHT ON						DISTANCE		DIFF IN ELEV		ELEV	REMARKS	
STA	HEIGHT Above Sta (B.S.) (+)	STA	ROD (−)	VERT ANG ±	°	'	"	HORIZ	VERT	CALC	ADJ.			
R/L 6	5.1											2198.5	1"IP	
		K4A	0.0	−	12	33	20	2857.42	−636.5	631.4	631.5	1566.8	Δ Mon	
			10.0	−	12	22	20		−626.8	631.7				
		K4	0.0	−	20	10	20	2409.79	−885.3	880.2	882.2	1318.3	Δ Mon	
			10.0	−	20	02	50		−879.3	884.2				
		"B"	10.0	−	14	36	30	3544.30	−923.8	928.7		1269.6	1"IP	
			6.0		14	40	40		−928.4	929.3				
		W 1/16	2.0	+	6	04	50	849.29	+90.5	+93.6			CS Mon	
			10.0		6	35	40		+98.2	+93.3				
		4+81.15	1.6		0°	00	00	6.08	+ ~~3.5~~	+ 3.5			CS Mon	
R/L 7	4.0											2287.5	1"IP	
		W 1/16	0.9		0	00	00	20.24	—	+ 3.1		2290.6	CS Mon	
K4	5.1											1318.3	Δ Mon	
		W 1/16	9.0	+	20	05	10	2669.73	+976.2	+972.3	972.6	2290.6	CS Mon	
			5.0	+	20	01	20		+972.9	+973.0				
		4+81.15	3.0	+	20	00	20	2415.82	+879.6	+881.7	882.2	2200.4	CS. Mon	
			10.0	+	20	10	50		+887.9	+883.0				
K4A	5.0										~~1566.8~~	1566.8	Δ Mon	
		W 1/16	9.0	+	15	42	30	2585.41	+727.1	+723.1	723.6	2290.6	CS Mon	see also pg 243
			6.0	+	15	40	20		+725.4	+724.4				
		4+81.15	10.0	+	12	34	10	2862.78	+638.3	+633.3	633.3	2200.4	CS Mon	see also pg 243
			~~1.0~~	~~+~~	~~12~~	~~25~~	~~20~~		~~+630.6~~	~~+634.6~~				
"B	5.0											1269.6		
		4+81.15	1.0	+	14	37	10	3550.27	+926.1	+930.1		2200.4		
			9.0	+	14	45	50		+935.6	+931.6				

Contd on page 2459

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

0054.00

F. B. 2149 Pg. 203

Profile No. ____ X-Sec. No. ____

Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. ____ Division No. ____

Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of Lux Arboretum

Survey by Smiley Notes Smiley Date 10/58

Map No. ____ Indexed C. Johnson Date 10-31-58

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.

SURVEY SHOWING
ELEVATION OF PHOTO CONTROL POINT
"F"
FOR
LUX ARBORETUM
IN
MONROVIA, CALIF
JN 0054.00

Smiley
Bushman
Merino

Oct. - 1958

76L298 307 8-53

76L298 307 8-53

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F. B. 2249 Pg. 204 — Job No. 0054.00 — Division No. — Notes Red. — Plotted — Date — No.
Survey of Lee Hill Corcoran — Date — Notes Chkd. GOSS — Checked — Date — No.
Survey by Smiley — Notes Smiley — Date — Notes — Date — No.
Indexed — Date — Date — Profile — X-Sec.

STATION	B. S.	H. I.	F. S.	ELEV.		
VABM "A"	12 0	1048 6		1006 6	VABM "A" Elev 1006.6	FB 2249-178
					Calif. Coord Cyl. Sys Zone 7 3930.82 N 3899.69 E	
					see page 169 for location	
JP #1	11 4	1027 7	2 3	1016 3	W stk edge of rd	
2	11 7	1038 6	0 8	1026 9	" "	" " "
3	10 6	1099 0	0 2	1038 4	" "	" " "
4	12 0	1058 9	2 1	1046 9	1x2 stk	
5	11 9	1070 4	0 4	1058 5	"	
6	10 4	1080 8	0 0	1070 4	"	
Photo Control "F"	3 4	1081 0	3 2	1077 6	Photo Control Point "F" Elev 1077.6	FB 2249-204
					Calif. Coord Cyl. Sys. Zone 7 3978.22 N 3976.01 E	
					see page 169 for location	
JP #7	0 4	1070 8	10 6	1070 4	1x2 stk	
8	0 5	1059 1	12 2	1058 6	"	
9	1 8	1048 8	12 1	1047 0	"	
10	0 0	1038 5	10 3	1038 5	W stk edge of rd	
11	0 8	1027 7	11 6	1026 9	"	" " "
12	1 4	1017 7	11 4	1016 3		
VABM "A"			11 1	1006 6	VABM "A" Elev 1006.6	FB 2249-178
					see above	

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

Survey of Lux Arboretum F. B. 1249 PG. 205
JN 0054 Tape 126 Std. 84 °F
Surveyed by R.J. Mitchell
Notes M. Mitchell Date 11/58
Indexed ~~H. C. Johnson~~ 11-21-58

Notes: 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 CORRECTED LOCATION OF THE WEST LINE OF THE EAST HALF OF SECTION 14 T1N ~ R11W FOR LUX ARBORETUM

JN 0054.00

Mitchell, R.J. - Chf.
Smiley, L.C. - "
Bustrum, M.L. - H.C.
Merino, G.R. - R.C.

November 1958

INDEX ON PG 182

763098 CE #247—7-58

F. B. 2149 Pg. 206

NOTE: A complete check of the work shown on pages 181-198 reveals the following mistakes & errors.

1. See pg. 81 ~ A mistake in making a slope reduction affects the location of the S 1/4 Cor of the Sec.

2. See pgs. 154-157 ~ A mistake in the computation of the location of the N.E sec. Cor affects the location of the N 1/4 Cor of the Sec.

3. Greater than tolerable errors exist in the reported values of the angles shown at the N 1/4 Cor (pg. 198) and at the S 1/4 Cor. (pg 184)

It is the purpose of the survey shown on pgs. 207-210 to correct these items.

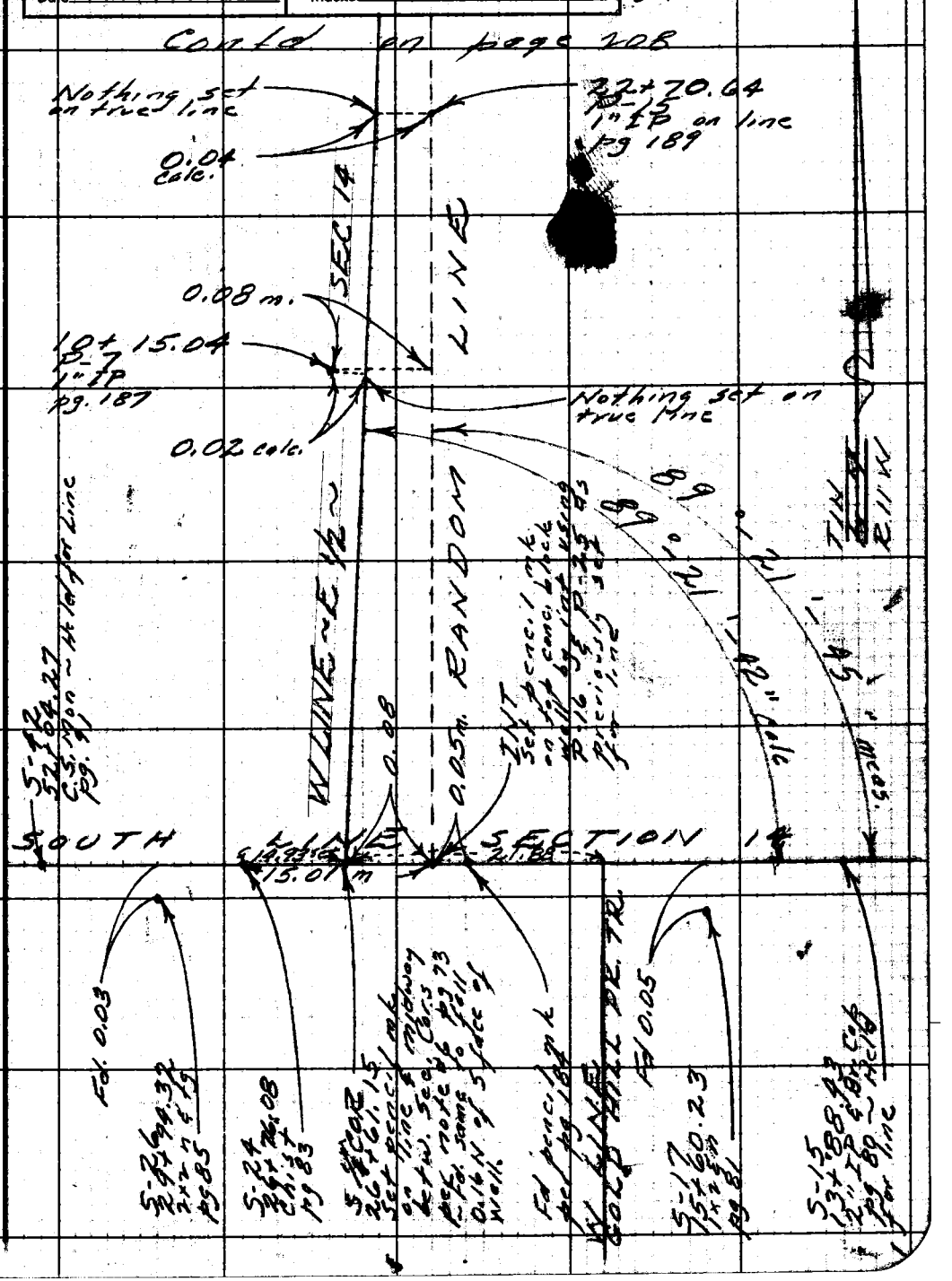
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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	F. B. 2249 PG. 207
Map No.	JN 0054.00 Tape 126 Std 84 °F	1) 89 21 50
Office Work	Surveyed by R.J. Mitchell	4) 357 26 50
Checked	Notes Mitchell Date 11-58	6) 176 10 20
Date	Indexed A. C. Johnson	8) 89 21 43 1/3

Contd on page 208



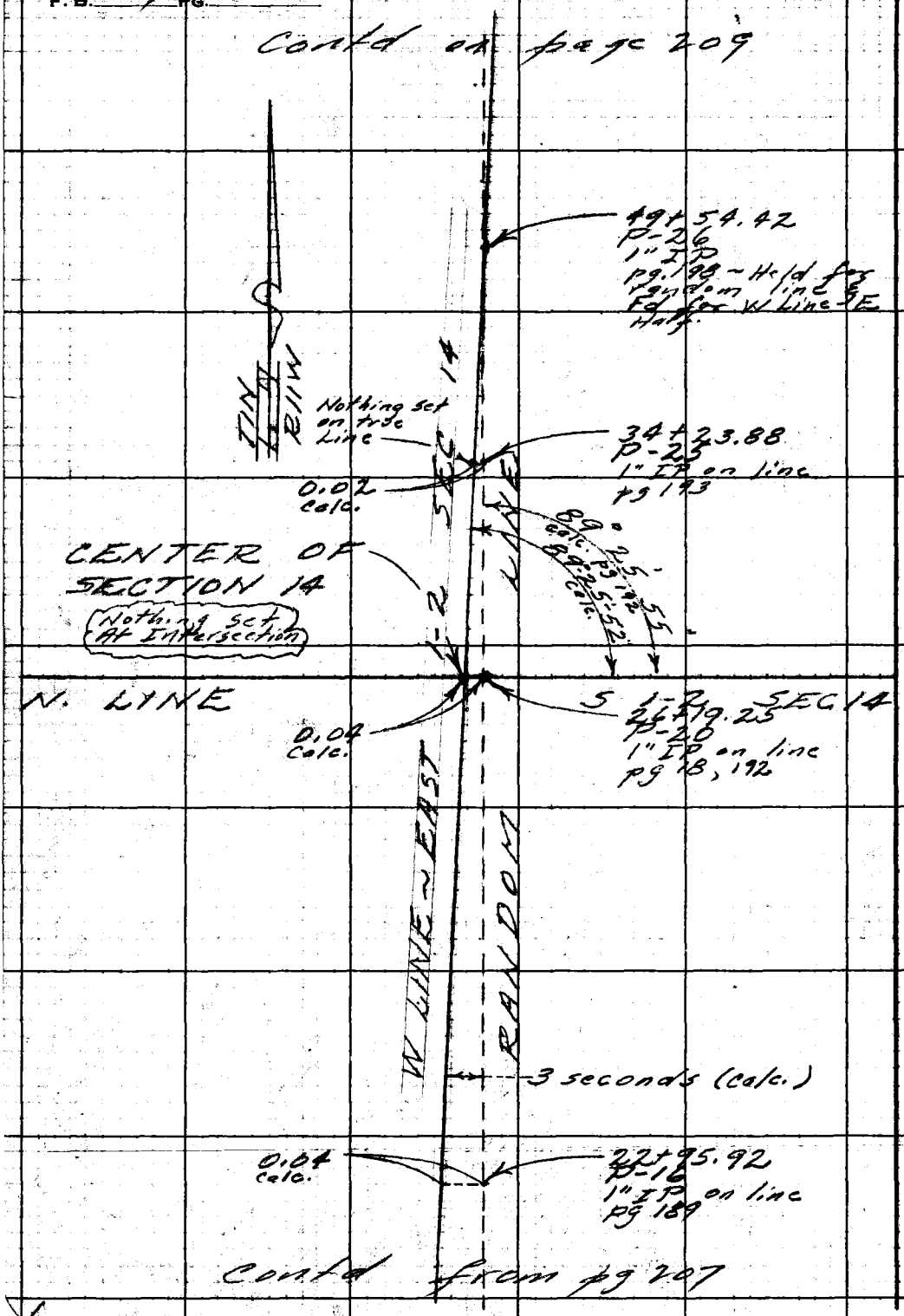
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

763098 CE #247—7-53

F. B. 1149 PG. 208



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

Do not extend notes this side of this line.

Note: Any Additions Changes on This Sheet Must be Ink With Date Circled in Red Making Changes of Person

W.S. 45-D-3

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0054.00 Tape 126 Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 11/58
Date	Indexed A. C. Johnson

F. B 2149 Pg. 209

W.S. 45-D-2

1) 90 45 40
4) 363 61 30
2) 184 32 10
4) 90 45 21 2/3

52+85.04 N
N 1/4 COR SEC 14
Set 1" IP with Galv. I Cap up 2" in bench cut at base of 10 ft high x 15 ft wide rock face in sm draw & in slide area of sm spur - very steep dn to SSW - Set pg corrected pluss & off set Fr. R/L #14

N. LINE
SEC. 14

0.01

35 ft

Rock

0.5±

- See pgs 154-157
Set 10 ft. High Signal over IP
Ever 1816.9
See pg 200
7951.62 N
6618.21 E

Set 2.03

52+83.01
Fd. 1" IP with G.L. Cap per pg 198 - Removed cap & set wood p.l. & n.

Nothing

Fd. 0.01

Fd 1" IP pg. 198

Set n. by int.

0.44 meas.

31.57
33.60
Set per pg 157

Fd. 0.02

(See pg. 210)
RANDOM LINE

8.54 set

91° - 29'

08" calc.

R/L 14
1x2 en
pg 100, 157, 183, 198, 210

Set nothing at calc. dist from R/L 14 per pg 157

90°-45'-23" calc.

90°-45'-20" meas.

RANDOM LINE

W. LINE E 1/2 - SEC 14

TIN R11W

1) 43.21 @ 43°03'20" (T=60°) = 31.57
2) 43.80 @ 43°53'20" " = 31.57
Avg Level = 31.57
Total 2.03
33.60

Contd from pg 208

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

Do not extend notes this side of this line.

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

763095 CE #247—7-58

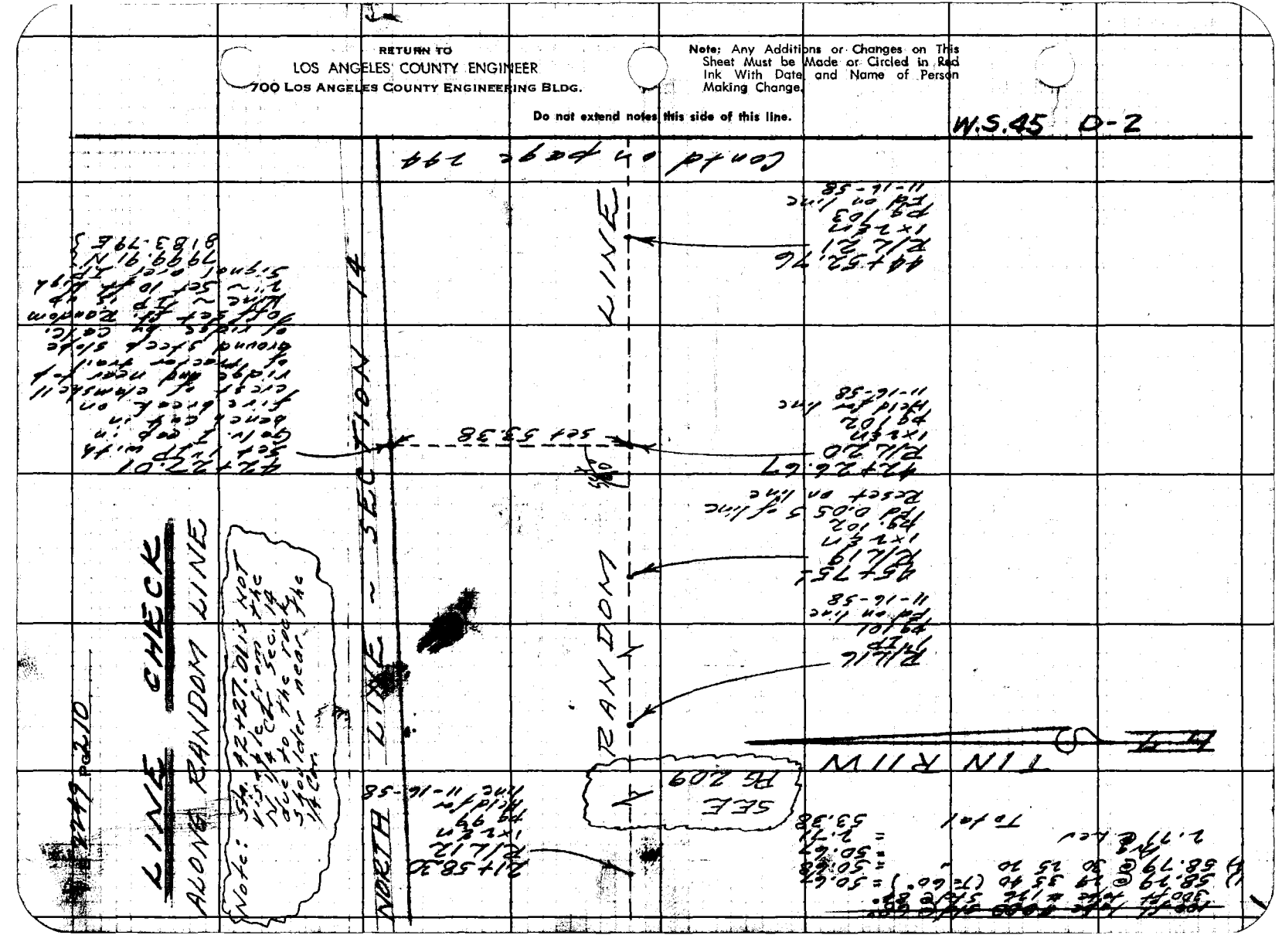
5000) .0000 / 0.09000

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.

W.S.45 D-2



Title Page

Notes Ck'd by C. R. GOSS	Survey of Lux Arboretum	F. B. 2249 Pg. 211
Map No.	JN 0054.00 Tape 126 Std 84 °F	
Office Work	Surveyed by R J Mitchell	
Checked	Notes Mitchell Date 11/58	
Date	Indexed [illegible] C. Johnson 12-11-58	

SURVEY SHOWING
LOCATION & ELEVATIONS
OF LINES ESTABLISHED FOR
TEST OF PHOTOGRAMETRIC MAP
OF
LUX ARBORETUM

J.N. 0016.01
J.N. 0054.00

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

Dec. 1958

Photomap furnished to L.A. County by Engineering Service Corporation per Purchase Order # Q 51082 dtd. 10-29-58

For location of Truck Trail in the vecinity of Coord.s 4,175,500 N ~ 4,285,000 E see F.B. 2249-32 to 36

For transit & stadia survey in bottom of Clamshell Cñ nr. Coord.s 4,176,000 N - 4,285,200 E see pgs 43 to 60 (FB 2249) especialy equation on pg 43

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

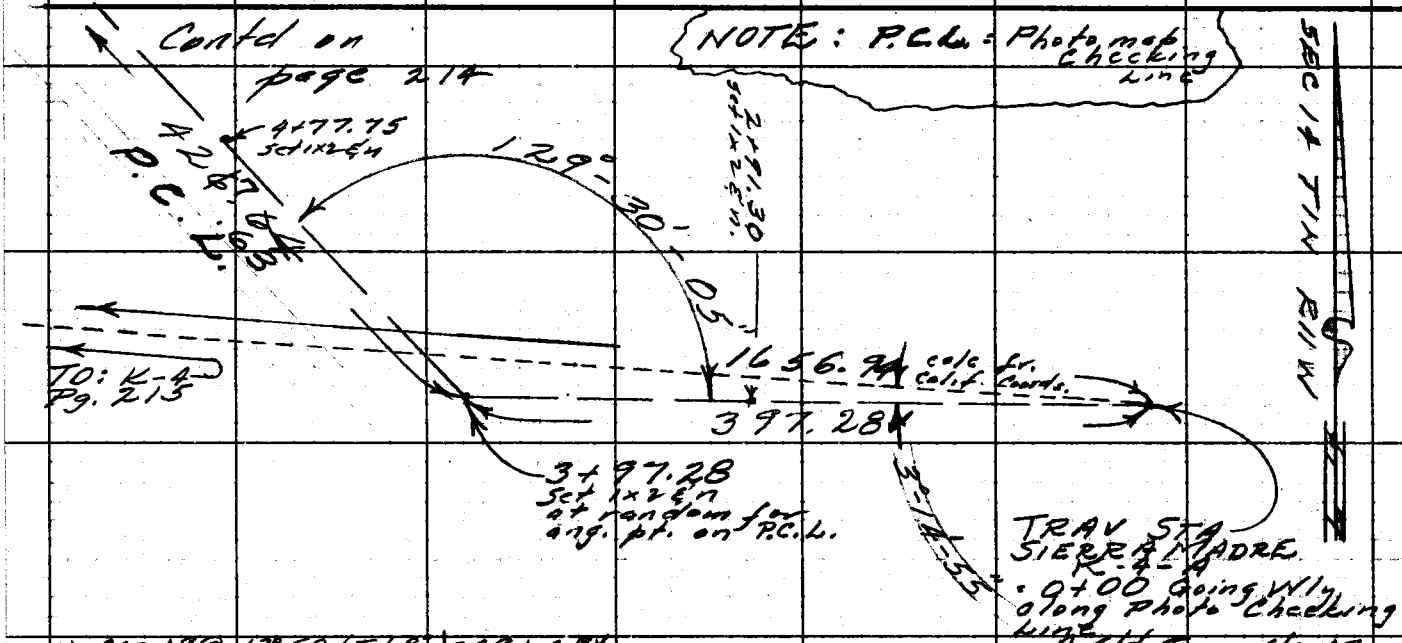
763098 CE #247—7-53

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.

W.S. 45-D-3



1) 300.19 @ 13°58 (T=68°) = 291.29 ✓
2) 300.37 @ 14°06 " = 291.31 ✓
Avg = 291.30 ✓
1) 105.99 @ Lev " = 105.98 ✓
Total = 397.28 ✓

1) 84.51 @ 17°48 (T=70°) = 80.45
2) 84.14 @ 16 58 " = 80.47 ✓
Avg = 80.46
1) 147.02 @ 25°06 " = 133.13 ✓
2) 146.39 @ 24 34 " = 133.13 ✓
Avg = 133.13 ✓
1) 267.18 @ 21 05 (T=76°) = 249.28 ✓
2) 267.80 @ 21 26 " = 249.27 ✓
Avg = 249.27 ✓
Total = 462.8786
Less 1) 35.23 @ Lev (T=76°) = 35.23
426.64
7.63

1) 3 15 00
4) 12 59 40
6) 19 29 30
Av 3 14 55 ✓

1) 129 30 00
4) 158 00 20
6) 57 00 30
Av 129 30 05 ✓

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

Survey of Lux Arboretum
JN 0016.01 Tape 126 Std 84 of
Surveyed by R.J. Mitchell
Notes Mitchell Date 12/58
Indexed C. Johnson

F.B. 2249 Pg. 213

F. B. 1149 Pg. 214
SEC 14
T1N R11W

Cont'd from page 213

1) 101.07 @ 5°32	(T=76°)	= 100.59✓		
2) 100.93 @ 4°37	"	= 100.59✓		
Avg		= 100.59✓		
1) 262.48 @ 2°41	(T=76°)	= 262.18✓		
2) 262.57 @ 3°05	"	= 262.20✓		
Avg		= 262.19✓		
1) 235.28 @ 0°11'	(T=79°)	= 235.26✓		
2) 235.28 @ 0°00	"	= 235.26✓		
Avg		= 235.26✓		
23.12 @ 0°00	(T=74°)	= 23.12✓		
Total		520.57✓		

1) 110.88 @ 6°05	(T=90°)	= 110.25✓
2) 110.77 @ 5°30	"	= 110.26✓
Avg		= 110.25✓
1) 90.98 @ 8°03	(T=86°)	= 90.08✓
2) 91.15 @ 8°50	"	= 90.07✓
Avg		= 90.07✓
Total		200.32✓

1) 155 00 20	1) 131 59 40	1) 157 17 40
4) 260 01 20	4) 167 58 50	4) 269 11 00
6) 210 02 00	6) 71 58 20	C) 223 46 40
Av) 155 00 20✓	Av) 131 59 43	3 Av) 157 17 46 2/3✓
Adj) 155 00 25	Adj) 131 59 50	

Cont'd on page 215

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.

763098 CE #247—7-53

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

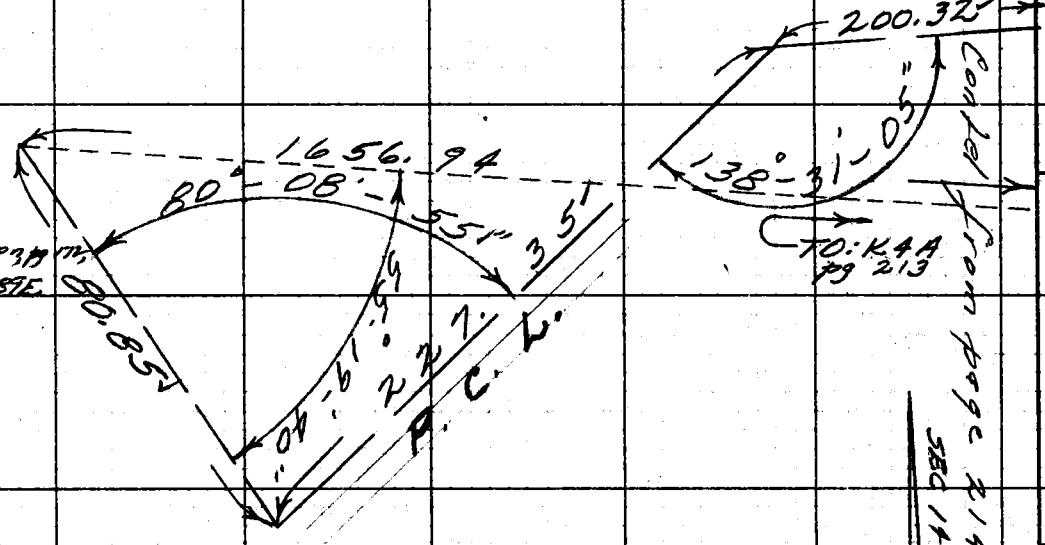
Note: Any Additions or Changes on This Sheet Must be Made or Circled In Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

W.S. 45-D-3

1)	138	31	00	1)	80	08	50	1)	55	19	50
4)	194	04	20	4)	320	35	40	4)	221	19	10
6)	116	06	40	6)	120	53	20	6)	331	58	40
Av)	138	31	06 2/3	Av)	80	08	53 1/3 ✓	Av)	55	19	46 2/3 ✓
								Adj)	55	19	40

16+46.40
Set 1x2 Ln at random for Ang. Pt. on P.C.L.



TRAV STA
SIERRA MADRE
K-4
19+54.60
End of P.C.L.
~A Std Trav. Sta. Mon pg 172,
pg 162 E FB 935-67
4175,481.79N-4284177.89E.
Elev 1318.3 pg 178

18+73.75
Set 1x2 Ln at random for Ang. Pt. on P.C.L.

SEC 14 T1N R11W

1) 227.47 @ 1°48 (T=84°) = 227.36 ✓
2) 227.50 @ 2°04 " = 227.35 ✓
Avg = 227.35 ✓

1) 81.27 @ 5°46 (T=84°) = 80.86 ✓
2) 81.35 @ 6°26 " = 80.84 ✓
Avg = 80.85 ✓

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

Survey of Lux Arboretum
JN 0016.01 Tape 126 Std 84 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date 12-58
Indexed C. Johnson

F. B. 1149 Pg. 215

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			PROFILE LEVELS ALONG PHOTOMAP CHECKING LINE FROM K-4-A TO K-4 SEE PGS. 213 - 215			
BM K-4-A	1 2	1568 0		1566.8	BM K-4-A Elev 1566.8 FB 935-69 -178 & FB 2249-213 ~ Calif. Coord. Ctl. Sys Zone 7, - 4175381.87 N - 4285831.81 E (City of Monrovia on Clamshell Rg.	
0+00			1 7	1566 3	Grnd @ K-4-A	
0+25			9 1	1558 9	Grnd	
TP	0 2	1548 8	19 4	1548 6		Rock
0+50			1 0	1547 8	Grnd	
0+75			10 7	1538 1	"	
1+00			16 9	1531 9	"	
TP	0 1	1530 7	18 2	1530 6		Rock
1+25			4 4	1526 3	Grnd	
1+50			9 7	1521 0	"	
1+75			13 7	1517 0	"	
2 +00			19 3	1511 4	"	
TP	1 9	1515 0	17 6	1513 1		Stk

NOTE
Eqmt: Std. Engrs. Dumpy Level (Brunson #4717371) & Field constructed "Tape Rod" 20 ft long.

Profile Notes Red. Plotted Job No. 0016.01 Division No. F. B. 2249 PG. 217
No. Date Date Survey of Photo Checking Line ~ Lux Arboretum
X-Sec. Notes Chkd. C. R. GOSS Checked Survey by R.J. Mitchell Notes Mitchell Date Dec. 1958
No. Date Date Map No. Indexed C. Johnson Date

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1515 0				
2+25			8 9	1506 1	Grnd	
2+50			13 8	1501 2	"	
2+75			18 4	1496 6	"	
TP	0 3	1496 1	19 2	1495 8		Rock
2+91.30			1 3	1494 8	1x2 stk fl. ~ ch. pt.	see pg. 213
3+00			1 8	1494 3	Grnd	
3+25			3 2	1492 9	"	
3+50			5 2	1490 9	"	
3+75			7 7	1488 4	"	
3+97.28			10 2	1485 9	1x2 stk fl. ~ Ang. Pt.	see pg. 213
4+00			10 6	1485 5	Grnd	
4+25			16 1	1480 0	"	
TP	1 1	1480 2	17 0	1479 1		stk
4+50			7 3	1472 9	Grnd	
4+75			17 2	1463 0		
4+77.75 T.P.	1 2	1463 3	18 1	1462 1	1x2 stk fl. ~ Ch. Pt. ~	See pg 213
5+00			10 9	1452 4	Grnd	
TP	0 7	1446 2	17 8	1445 5		spk.
5+25			3 4	1442 8	Grnd	
5+50			15 8	1430 4	"	

F. B. 2249 Pg. 218 Job No. 0016.01 Division No. Notes Red. Plotted Profile
Survey of Lux Arboretum - Photo Checking Line Date Date No. X-Sec.
Survey by Mitchell Notes Mitchell Notes Chkd. Checked C. R. GOSS
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

6-06 5

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1446 2				
TP	0 5	1427 1	19 6	1426 6		stk
5+75			7 9	1419 2	Grnd	
TP	0 7	1408 2	19 6	1407 5		stk
6+00			3 5	1404 7	Grnd	
6+06 5			5 1	1403 1	19 4 ft. R at base of L.A. Co. F.C. Dist T.P.	
6+10.88			7 9	1400 3	1x2 stk fl. ~ ch. pt. ~ see pg 214 (#2080-)	
6+25			15 0	1393 2	Grnd	
TP	0 6	1389 7	19 1	1389 1		stk
6+50			11 4	1378 3	Grnd	
TP	0 8	1371 0	19 5	1370 2		spk
6+75			6 5	1364 5	Grnd	
7+00			18 9	1352 1	"	
TP	1 1	1352 4	19 7	1351 3		spk
7+25			16 4	1336 0	Grnd	
TP	0 1	1332 8	19 7	1332 7		Rock
7+50			9 6	1323 2	Grnd	
TP	0 4	1314 5	18 7	1314 1		Rock
7+75			5 0	1309 5	Grnd	
8+00			14 9	1299 6		
8+24 92			16 9	1297 6	1x2 stk ~ Ang. Pt. see pg 214	

Profile Notes Red. ____ Plotted ____ Job No. 0016.01 Division No. ____ F. B. 2249 Pg. 219
No. ____ Date ____ Date ____ Survey of Photo Checking Line ~ Lux Arboretum
X-Sec. Notes Chkd. ____ Checked C. R. GOSS Survey by R.J. Mitchell Notes Mitchell Date 12-4-58
No. ____ Date ____ Date ____ Map No. ____ Index C. Johnson

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1314 51				
8+25			16 9	1297 6	Grnd	
8+50			18 2	1296 3	"	
8+75			11 1	1303 4	"	
9+00			6 6	1307 9	"	
9+25			4 7	1309 8	"	
9+25.51			4 7	1309 8	1x2 stk ~ Ang. Pt. ~	see pg. 214
9+50			6 3	1308 2	Grnd	
9+75			10 2	1304 3	"	
10+00			10 6	1303 9	"	
10+25			5 6	1308 9	"	
10+50			0 3	1314 2	"	
TP	16 9	1331 0	0 4	1314 1		spk Rock
10+75			13 0	1318 0	Grnd	
11+00			12 5	1318 5	"	
11+25			12 0	1319 0	"	
11+50			11 2	1319 8	"	
11+75			8 3	1322 7	"	
11+87 70			6 9	1324 1	1x2 stk ~ ch. pt. ~	see pg. 214
12+00			6 9	1324 1	Grnd	
12+25			6 9	1324 1	"	

F. B. 2249 Pg. 220 Job No. 0016.01 Division No. Notes Red. Plotted Profile
Survey of Lux Alboretum ~ Photo Checking Line Date Date No.
Survey by R.I. Mitchell Notes Mitchell Notes Chkd. Checked C. R. GOSS X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1331 0				
12+50			5 3	1325 7	Grnd	
12+75			5 3	1325 7	"	
13+00			6 7	1324 3	"	
13+25			6 9	1324 1	"	
13+50			6 7	1324 3	"	
13+75			5 9	1325 1	"	
14 + 00			5 1	1325 9	"	
14 +22 96			4 9	1326 1	1x2 stk ~ ~~Ang.~~ Ch. Pt. ~ see pg. 214	
14 +25			5 1	1325 9	"	
14+46.08			6 5	1324 5	1x2 stk ~ Ang. Pt. ~ see pg 214	
14+50			6 6	1324 4	"	
14+75			7 8	1323 2	"	
14+88			13 1	1317 9	30° ft L ~ LA. Co. F.C. Dist T.P.# 1817 - base	
15+00			10 0	1321 0	Grnd	
15+25			12 3	1318 7	"	
15+50			14 2	1316 8	"	
15+56.33			14 6	1316 4	1x2 & n ~ Ch. pt. ~ see pg 214	
15+75			18 6	1312 4	Grnd	
TP	0 9	1312 0	19 9	1311 1		Rock
16 +00			5 3	1306 7	Grnd	

Profile Notes Red. ____ Plotted ____ Job No. 0016.01 Division No. ____ F. B. 2249 Pg. 221
No. ____ Date ____ Date ____ Survey of Photo Checking Line ~ Lux Arboretum
X-Sec. Notes Chkd. ____ Checked C. R. GOSS Survey by R.J. Mitchell Notes Mitchell Date 12-3-58
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1312 01				
16+25			9 3	1302 7	Grnd	
16+46.40			11 8	1300 2	1x2 Ɛn ~ Ang Pt ~	see pg 215
16+50			12 3	1299 7	Grnd	
16+75			13 6	1298 4	"	
17+00			14 1	1297 9	"	
17+25			14 1	1297 9	"	
17+50			10 3	1301 7	"	
17+75			8 8	1303 2	"	
18+00			6 1	1305 9	"	
18+25			3 0	1309 0	"	
18+50			2 4	1309 6	"	
TP	12 1	1321 6	2 5	1309 5		spk
18+73.75			13 3	1308 3	1x2 Ɛn ~ Ang Pt. ~	see pg. 215
18+75			13 1	1308 5	Grnd	
19+00			8 3	1313 3	"	
19+25			5 2	1316 4	"	
19+50			4 6	1317 0	"	
19+54.60			4 3	1317 3	"	
BM K 4			3 7	1317 9	BM "K-4" ~ Elev 1317.9 FB935-67 FB2249-178 & FB2249-215 ~ Calif Coord Ctl Sys Zone 4,175,481.79 N - 4,284,177.89 E (City of Monrovia on Clamshell Ridge)	7

F. B. 2249 Pg. 222 Job No. 0016.01 Division No. Notes Red. Plotted Profile
Survey of Lux Arboretum Date Date No.
Survey by R.J. Mitchell Notes Mitchell Notes Chkd. Checked C. R. GOSS X-Sec.
Indexed C. Johnson Date Date Date No.

Photo Checking Line

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

Survey of Lux Arboretum
JN 00116.01 Tape 126 Std. 84 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date 12/58
Indexed C. Johnson

F. B. 2249 Pg. 223

W.S. 45-D-3

SEC 14 - T1N - R11W

1)	23	44	10
2)	23	56	40
3)	22	25	00
4)	23	44	10
1)	146	52	00
2)	227	27	40
3)	161	16	30
4)	146	51	55
1)	9	24	10
2)	37	36	50
3)	36	25	00
4)	9	24	10

1+33.82 Set 1x2 Sm

3+25.48 Set 1x2 Sm

P.C. 0+03
R=10.00
(A=10.05 calc.)
Check
23°-44'-10"
146-51-55
9°-24'-10"

Rt 10.03
1+26.10
Set #3 Sm
#128 N35.10E

P.C.T. PT "A"
P.I. 1+26.10
Set #3 Sm
#128 N35.10E

P.C.T. PT "B"
P.I. 1+26.10
Set #3 Sm
#170 Calc.

1)	238.84	11°-45 (T=2.)	
2)	238.96	11°-45 (T=2.)	
3)	94.83	15°-43 (T=66.)	
4)	94.83	15°-43 (T=66.)	
1)	88.34	15°-59 (T=66.)	
2)	88.42	15°-59 (T=66.)	

Total

1312.02

P.I. 1+26.10
P.C.T. PT "A"
Set #3 Sm
#128 N35.10E
P.C.T. PT "B"
P.I. 1+26.10
Set #3 Sm
#170 Calc.
#2283.877.64E
#2280.83N

Notes: 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—7-53

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

Profile Notes Red. Plotted. Job No. 2016.0 Division No.
No. Date Date Survey of Photo Checking Line - Lux Blvd. to Sta.
X-Sec. Notes Chkd. Checked R. R. GOSS Survey by Pitt. Co. II Notes Surveyed Date
No. Date Date Map No. Inked C. Johnson Date

F. B. 2249 Pg. 225

STATION	B. S.	H. I.	F. S.	ELEV.		
					PROFILE LEVELS ALONG PHOTOMAP CHECKING LINE "B" FROM Going West	
					SEE Pg. 223	
BM "B"	0 7	1270 3		1269 6	BM "B" Elev 1269.6 FB 2249 - 178 - 170	
					Calif. Coord Ctl. Sys Zone 7 —	
					4,174,412.12 N - 4,285,184.52 E	
					(City of Monrovia - Cloverleaf Cn - Nr. "Carters" Ho.)	
0+00			0 9	1269 4	Grnd. @ "B" pg. 223 & pg. 170	
+25			8 3	1262 0	Grnd.	
+33±			10 7	1259 6	Top of bk. E. edge of road.	
+36½			14 0	1256 3	Btm " " " " " "	
+50			13 9	1256 4	Grnd.	
+60±			14 5	1255 8	W'ly edge of Rd. & top of bk.	
T.P.	2 3	1254 4	18 2	1252 1	Top of rock. (0+74) 7 ft. Rt. Elev.	
0+75			6 9	1247 5	Steep side slope.	
0+75			0 4	1254 0	11° Rt. (N) top bk.	
1+00			12 4	1242 0	Steep side slope.	
1+00			7 8	1246 6	6° Rt (N) top bk.	
1+25			18 5	1235 9	Steep side slope	

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I. 1234.4	F. S.	ELEV.		
1+25			13 7	1240 7	16° Rt. (N.) top bk	
1+50			19 3	1235 1	Gnd.	
T.P.	0 3	1235 2	19 5	1234 9	top of 1"x2" @ 1+51° (on line)	
1+75			3 7	1231 5	Gnd.	
+92			5 6	1229 6	top bk	
+96			7 0	1228 2	btm "	
2+00			7 3	1227 9	Gnd.	
+07 7			8 2	1227 0	top bk.	
+10 8			9 3	1225 9	btm bk.	
+21 5			9 9	1225 3	top bk.	
+25			11 9	1223 3	Gnd.	
+25 8			12 3	1222 9	btm bk.	
2+33 82			12 2	1223 0	1"x2" stk. (Ch. Pt.) sec pg. 223	
+35 2			12 4	1222 8	top bk.	
+44 5			16 3	1218 9	btm bk.	
+50			16 6	1218 6	Gnd.	
+54 0			16 8	1218 4	top bk.	
T.P.	3 1	1219 4	18 9	1216 3	1"x2" stk. @ Sta 2+60	
2+62 8			5 3	1214 1	btm bk.	
+70 4			5 3	1214 1	top. bk.	
+75			7 9	1211 5	Gnd.	

F. B. 2249 Pg. 226 | 0016.01 Job No. Division No. Notes Red. Plotted Profile
Survey of Photo Checking Line - Lux Alameda Date Date No.
Survey by R.J. Mitchell Notes Smiley Notes Chkd. Checked C. R. GOSS X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

Profile No.____ Date____ Notes Red____ Date____ Plotted____ Date____ Job No. RO16 Division No.____
X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked R. GOSS Date____ Survey of Pine Creek Line - Lux Canyon
Survey by R.C. Mitchell Notes M. Mitchell Date 12-58
Map No.____ Index Sh. Tabs Done

F. B. 2949 PG. 227

STATION	B. S.	H. I.	F. S.	ELEV.		
2+76 7		1219 41	8 6	1210 8	✓	btm. dk.
+85 5			9 1	1210 3	✓	top bk.
+95 2			14 8	1204 6	✓	btm bk.
3+00			15 1	1204 3	✓	Gnd.
+07 2			15 2	1204 2	✓	top bk.
T.P.	-10	1199 21	19 2	1200 2	✓	top of 1"+h @ Sta. 3+17 4
3+17 4			0 5	1198 7	✓	btm bk.
3+25.48			0 7	1198 5	✓	1"x2" stk. (Obl.-) Fg. 223
+28 0			0 8	1198 4	✓	top bk.
+33 3			4 4	1194 8	✓	btm bk.
+42 3			4 4	1194 8	✓	top bk.
+50			7 9	1191 3	✓	Gnd.
+53 7			10 1	1189 1	✓	btm bk.
+62 4			10 0	1189 2	✓	top bk.
+75			13 6	1185 6	✓	Gnd.
+80 7			16 7	1182 5	✓	btm bk.
+89 9			17 0	1182 2	✓	top bk.
T.P.	5 7	1187 0	17 9	1181 3	✓	1"x2" stk. @ Sta. 3+93
4+00			8 3	1178 7	✓	top bk.
+01			10 5	1176 5	✓	btm bk.
4+10 03	(BM)		11 1	1175 9	✓	BM "4+10 03" Elev 1176.0 FB 2949-20

F. B. 2249 Pg. 228 Job No. 0016.01 Division No. Notes Red. Plotted Profile

Survey of Photo Checking Line - Lux Arboretum Date Date No.

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

Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
					BM 4+10.03 (cont'd.) Calif Coord Ctl. System Zone 7 4,174 434 98 N - 4,284,775.01 E (City of Monrovia, Cloverleaf Cn, nr. Carters " No.)

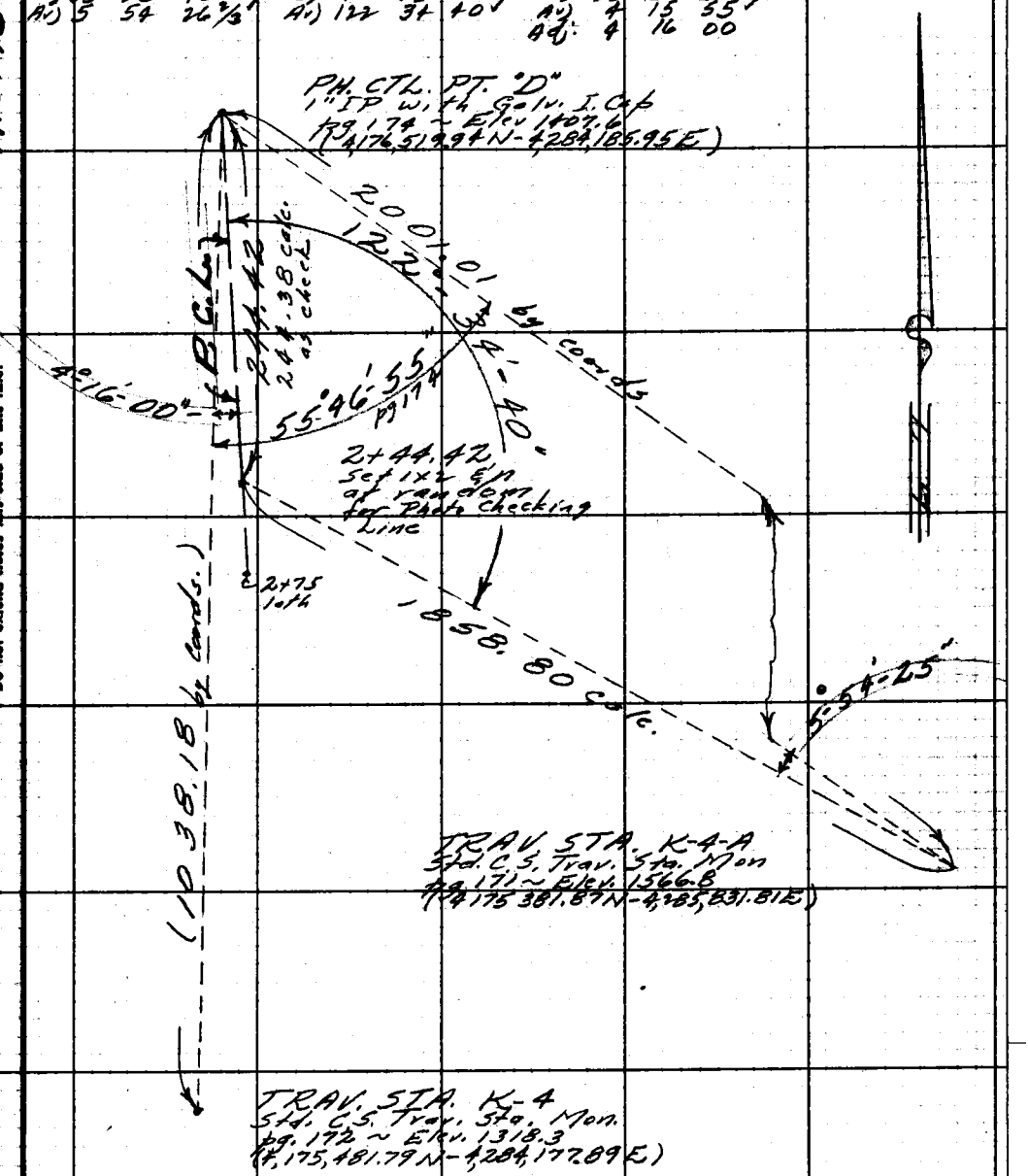
Line "D"

W.S. 45-D-3

Notes Ck'd by C. R. GOSS	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 12/58
Date	Indexed C. Johnson

F. B. 2249 Pg. 229

1)	5°	54	20	1)	122	34	40	1)	4°	15'	50"
4)	23	37	50	4)	130	18	30	4)	17	03	40
6)	35	26	40	6)	15	28	00	6)	25	35	30
Av)	5	54	26 2/3 ✓	Av)	122	34	40 ✓	Av)	4	15	55 ✓
								Adj.	4	16	00



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

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

76L298 307 8-53

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 0016.01 Division No.
No. Date Date Survey of Photomap Checking Line Lev. Alhambra
X-Sec. Notes Chkd. Checked C. R. GOSS Survey by Mitchell Notes Mitchell Date Dec. '58
No. Date Date Map No. Indexed C. Johnson Date F. B. 2249 Pg. 231

STATION	B. S.	H. I.	F. S.	ELEV.		
					PROFILE LEVELS ALONG PHOTOMAP CHECKING LINE FROM "D" GOING SOUTH	
					SEE PAGE 229	
BM "D"	08	1408 41		1407 6	BM "D" ~ Elev 1407.6 FB 2249-174 -201	
					Calif Coord. Ctl. Sys. Zone 7	
					4,176,519.94 N ~ 4,284,185.95 E.	
					(City of Monrovia ~ Sly Spur of	
					Glenoaks Pk.)	
0+00			09	1407 5	Grnd @ "D"	
0+25			14	1394 0	Grnd	Rock
TP	04	1389 3	19 5	1388 9		Rock
0+50			7 4	1381 9	Grnd	
TP	01	1370 1	19 3	1370 0		Rock
0+75			3 5	1366 6	Grnd	
1+00			13 7	1356 4	"	
TP	02	1350 7	19 6	1350 5		Rock
1+25			2 6	1348 1	Grnd	
1+50			10 4	1340 3	"	
1+75			17 4	1333 3	"	
TP	02	1331 7	19 2	1331 5		Rock

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1331 7				
2+00			4 5	1327 2	Grnd	
2+25			11 3	1320 4	"	
TP	3 2	1316 7	18 2	1313 5	1x2 Ɛn (Ch. pt.) see page 229	
2+50			5 5	1311 2	Grnd	
2+75			15 3	1301 4	"	
TP	14 8	1319 2	12 3	1304 4		1x2 stk
K-4			1 2	1318 0	C.S. Mon. ~ See page	
BM "2+44 42"			5 7	1313 5	BM "2+44 42" Elev = 1313.8 FB2249-	201 229
					Calif. Coord Ctl. Sys. Zone 7	
					4,176,276.11 N ~ 4,284,202.25 E	
					City of Monrovia ~ Spur South	
					from Clamshell Pk.	

F. B. 2249 PG. 232 Job No. 0016.01 Division No. Notes Red. Plotted Profile
Survey of Photo Checking Line ~ Fux Arboretum Date Date No.
Survey by R.T. Mitchell Notes Mitchell Notes Chkd. Checked G. R. GOSS X-Sec.
Indexed C. Johnson Date Date Date No.

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

Survey of LUX ARBORETUM
JN 0054.00 Tape / Std B4 °F
Surveyed by R.J. Mitchell
Notes Mitchell Date 12/58
Indexed C. Johnson 6-17-59

F. B. 7149 PG. 233

Notes: 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—7-58

SURVEY SHOWING
THE REESTABLISHMENT OF THE TRANSIT LINE
ALONG
LOWER CLAMSHELL TRUCK TRAIL
(WHICH IS A PORTION OF THE BOUNDARY)
FOR
LUX ARBORETUM
JN 0054.00

Mitchell
Smiley
Bustrum
Merino

December 1958

REFERANCE: Pages 21-23 & Pages 31-37

NOTE: Since The Transit Line was established in 1956 Rd. maintenance activities have removed all the points except. TRL 34 (pg. 23) It is the purpose of this survey, then, to reset these points as elements of the boundary of Lux Arboretum

F. B. 2449 PG. 234

Contd on page 235

1) 110.35 @ Lcr (T=78°) = 110.35
2) 110.35 @ " " = 110.35
Avg = 110.35

O+86.89 Rec. Bng. Set 1" IP cen. pt. Co. Engr. TS & TL dg. 6" at adj. dist. & brng from No. 1. (compass rule adj.)

0.01 N 22° 39' 00" E

Sta. 0 @ Rec. Bng. & dist. from TR & TL as per pg. 32.

69° 51' - 00"

TR AV Set 10.35

LOWER TOPANGA CANYON ROAD

S 86° 51' E

See page 26 of FB 2384

91° 11' - 10" Set

T 1 N. R 11 W.

SEC. 14

N 88° 36' - 30" E

TRANSIT LINE THROUGH CTR. OF SEC.

Set 16.08

TR/L 1" IP 0.38 pcr pg 24

O+00 87.38 Back Rec. Bng. & dist. from TR & TL as per pg 24 & 32. Is bent pt. & Transit Line on a 76.08 ft. brg. from TR/L as per pg 29 (also Engr. Tr.)

TR/L 2.9 for 1" x 2" stk. pcr pg 21

TR/L 1" IP 2.24 pcr pg. 20

TR/L 1" IP 0.22 pcr pg 18

1)	93.78 @ 33 43 10 (T=84°)	=	78.00	1)	97	11	10
2)	93.20 @ 33 10 40	"	= 78.01	4)	28	44	40
	Back Avg = Less Difference		= 78.00	6)	223	07	00
			= 1.92	Avg	97	11	10
			= 76.08				
1)	86.89 @ Lcr (T=82°)		= 86.89	1)	159	51	00
2)	86.90 @ "		= 86.90	4)	279	29	00
	Avg.		= 86.89	6)	239	06	00
				Avg	159	51	00

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

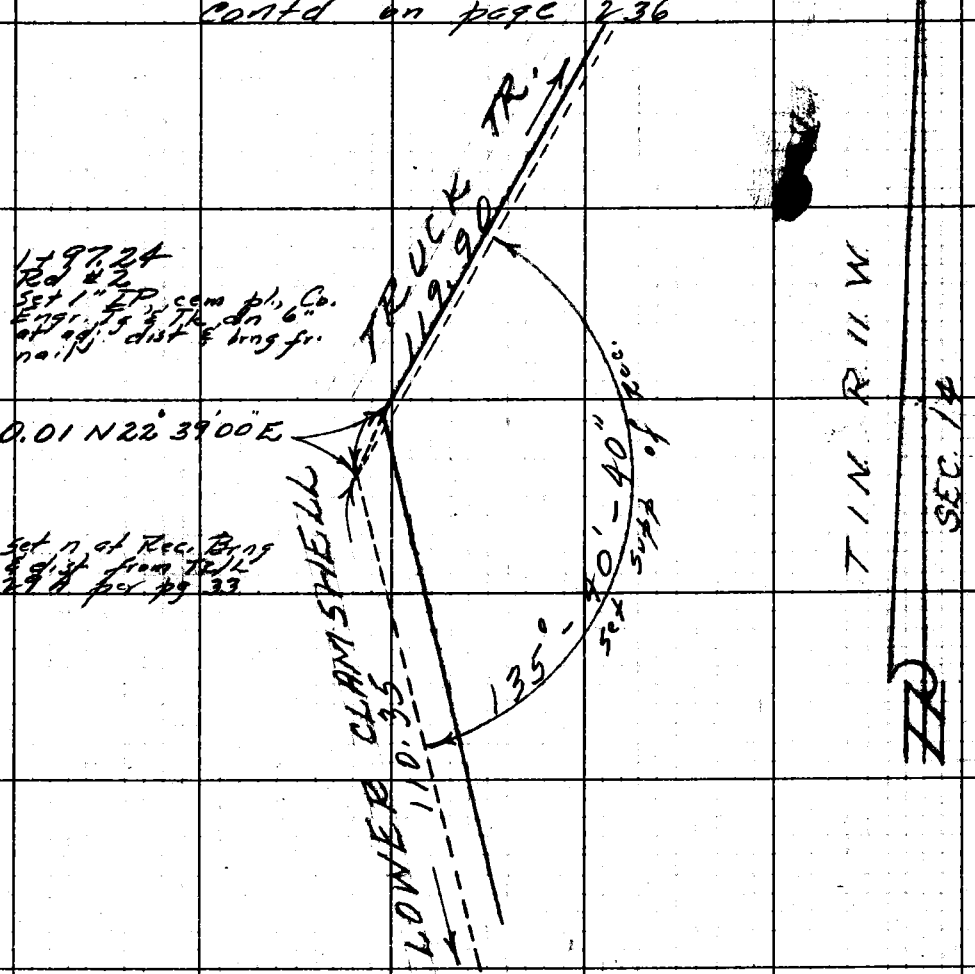
Do not extend notes this side of this line.

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 0054.00 Tape Std 84 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date Dec, '58
Date	Indexed C. Johnson

F. B. 2249 35

Contd on page 236



Contd from page 234

1)	224	19	20
4)	177	17	20
6)	265	56	10
Av)	224	19	21 2/3
Supp.	135	40	40

1) 120.62 @ Lev (T=76°) = 120.61
2) 120.63 @ " " = 120.62
Back Avg = 120.61
Less = 0.71
Diff = 119.90

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

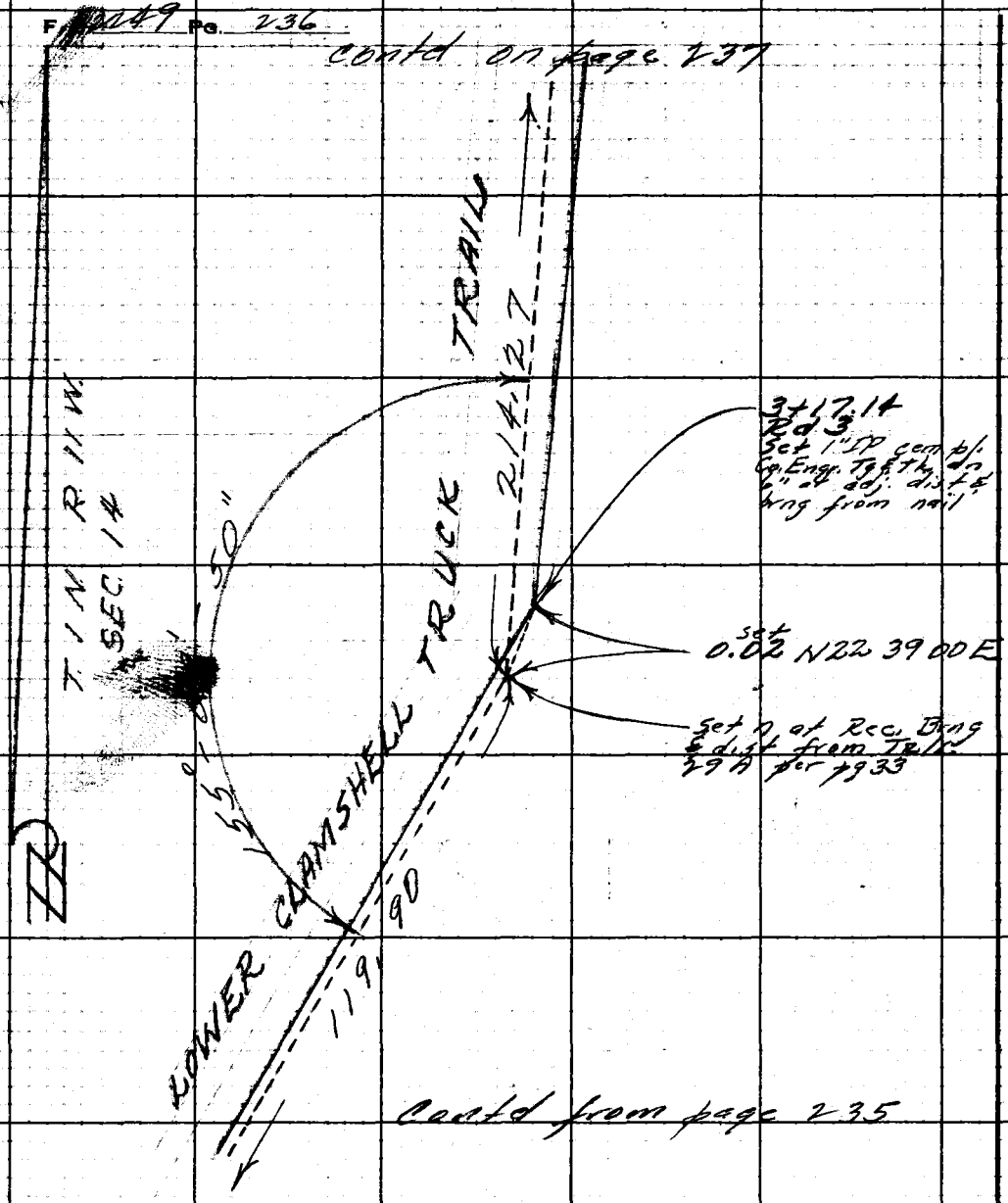
Do not extend notes this side of this line.

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

763098 CE #247—7-53

F 2049 Pg. 236

contd. on page 237



Contd from page 235

1) 210.77 @ Ler (Δ=76°) = 210.76
2) 210.98 @ " " = 210.77
Rhd. = 3.51
Total = 214.27

1) 155 09 50
2) 260 39 20
3) 210 59 00
4) 155 09 50

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

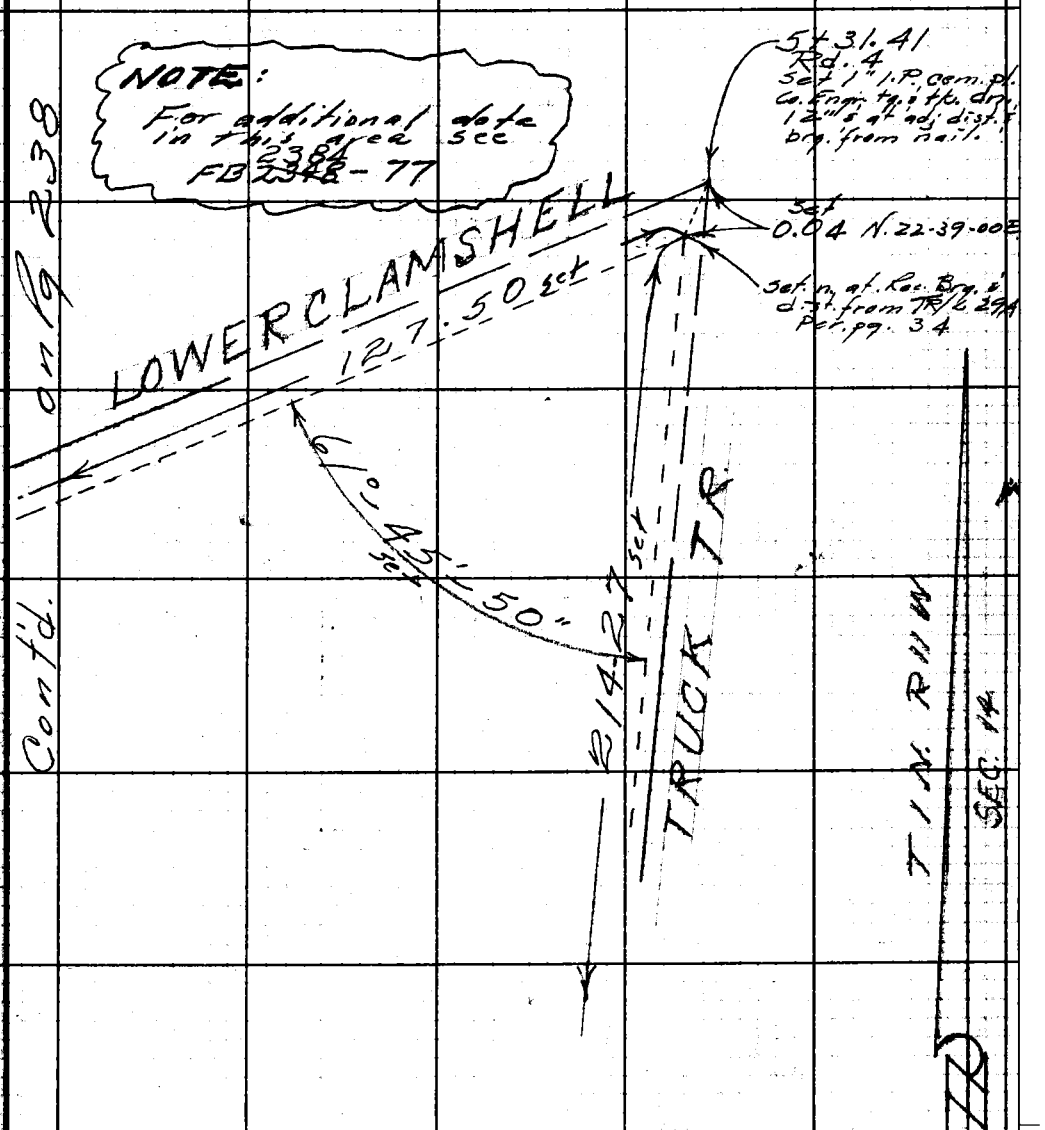
Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 005400 Tape Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date Dec. '58
Date	Indexed A. C. Johnson

F. B. 2449 Pg. 237

Rd 4



1) 131.22 @ 7°09' (T = 66°) = 130.18
2) 131.08 @ 6°41' (") = 130.17
Avg. = 130.17
back = 2.67
Total = 127.50

1)	61	45	50
4)	247	03	20
6)	10	35	00
Av)	61	45	50

Cont'd. from Pg. 236

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.

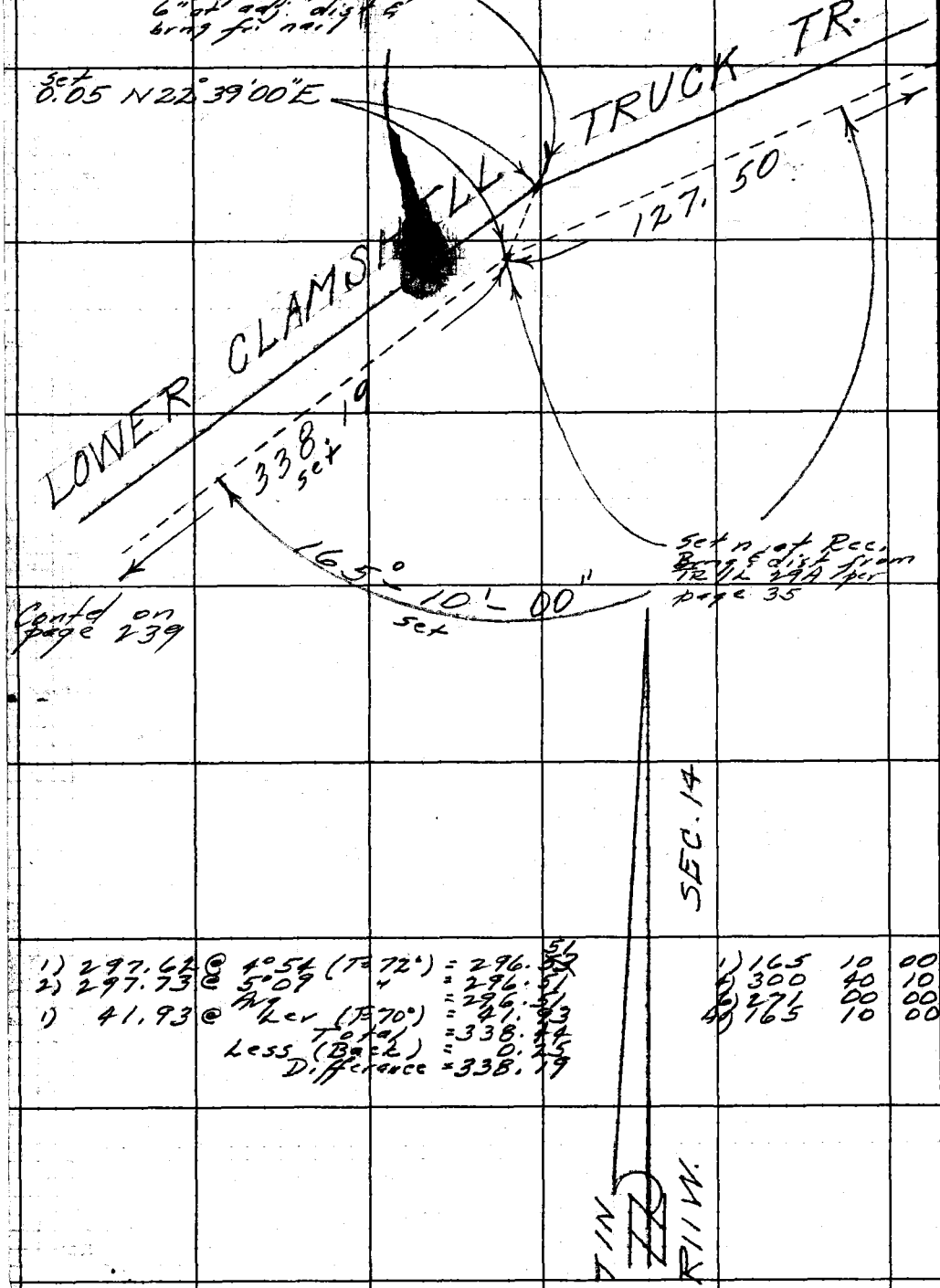
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57

F.B. 2449 Pg. 23[illegible]

6+58.91
Rd 5
Set 1" IP cem pl.
Co. Engr. Tg & Ft. dn.
6" at adj. dist &
brng fr. nail

Contd from page 237



Contd on page 239

1) 297.62 @ 4°54 (T=72°) = 296.51
2) 297.73 @ 5°09 " = 296.51
Avg = 296.51
1) 41.93 @ Lev (T=70°) = 41.93
Total = 338.44
Less (Back) = 0.25
Difference = 338.19

1)	165	10	00
4)	300	40	10
6)	271	00	00
4)	165	10	00

RETURN TO
LOS ANGEL[illegible]OUNTY ENGINEER
700 LOS ANGEL[illegible]Y ENGINEERING BLDG.

Do not extend notes this side of this line.

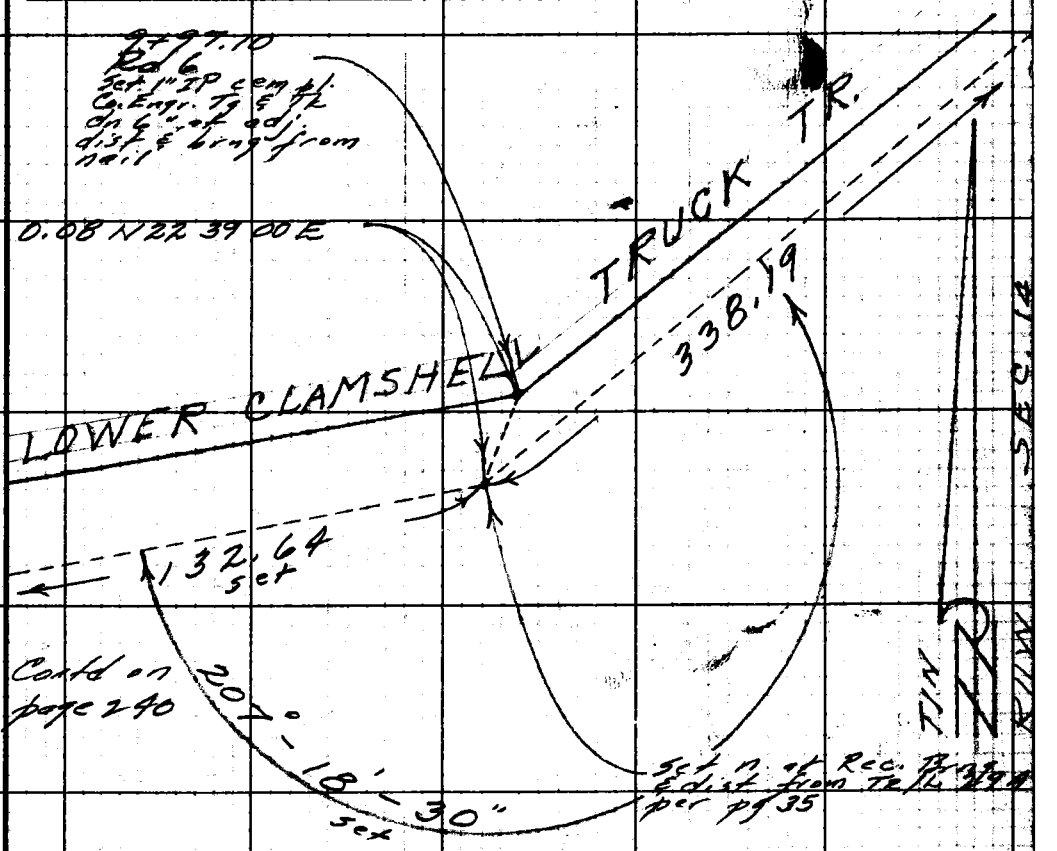
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

F. B. [illegible] PG. 239

Contd from page 238

Rd 6



1) 135.00 @ 6°51' (T=72°) = 134.03
2) 134.83 @ 6°11 " = 134.04
Avg = 134.03
Less (Back) 1.39
Difference = 132.64

1)	207	18	30
4)	109	14	00
6)	163	50	50
Av)	207	18	[illegible]

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

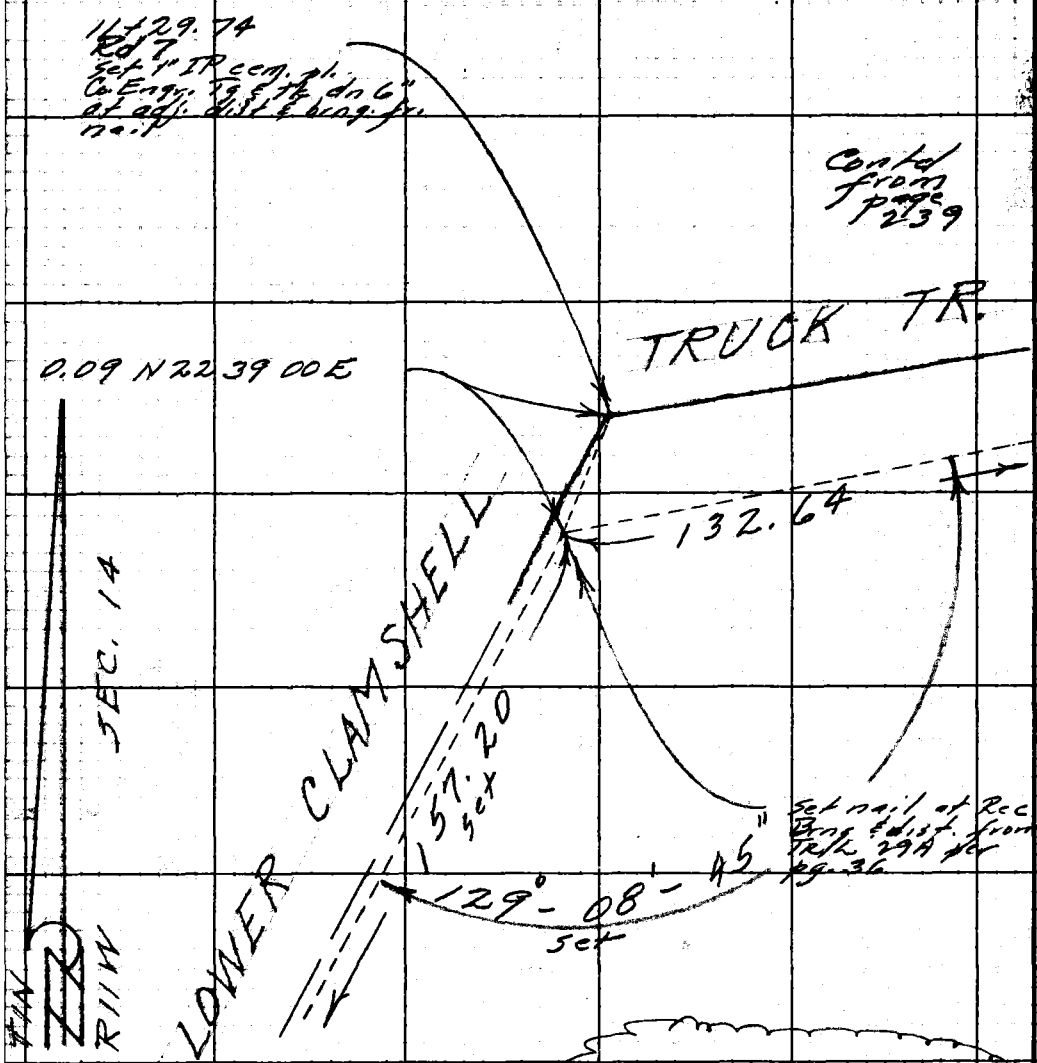
Do not extend notes this side of this line.

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

763098 CE #247—7-53

F.B. 27[illegible] Pg. 240

Rd 7
68



Contd on page 241

Note: For additional data ~ this area ~ Sec: F.B. ~~2348~~ 2384 - 68

1) 157.82 @ 5° 26	(T=66°)	=	157.09	1)	129	08	40
2) 157.74 @ 5° 06	"	=	157.09	4)	156	35	00
Avg Ahd.		=	157.09	6)	54	52	30
			0.11	Av)	129	08	45
	Total	=	157.20				

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

Do not extend notes this side of this line.

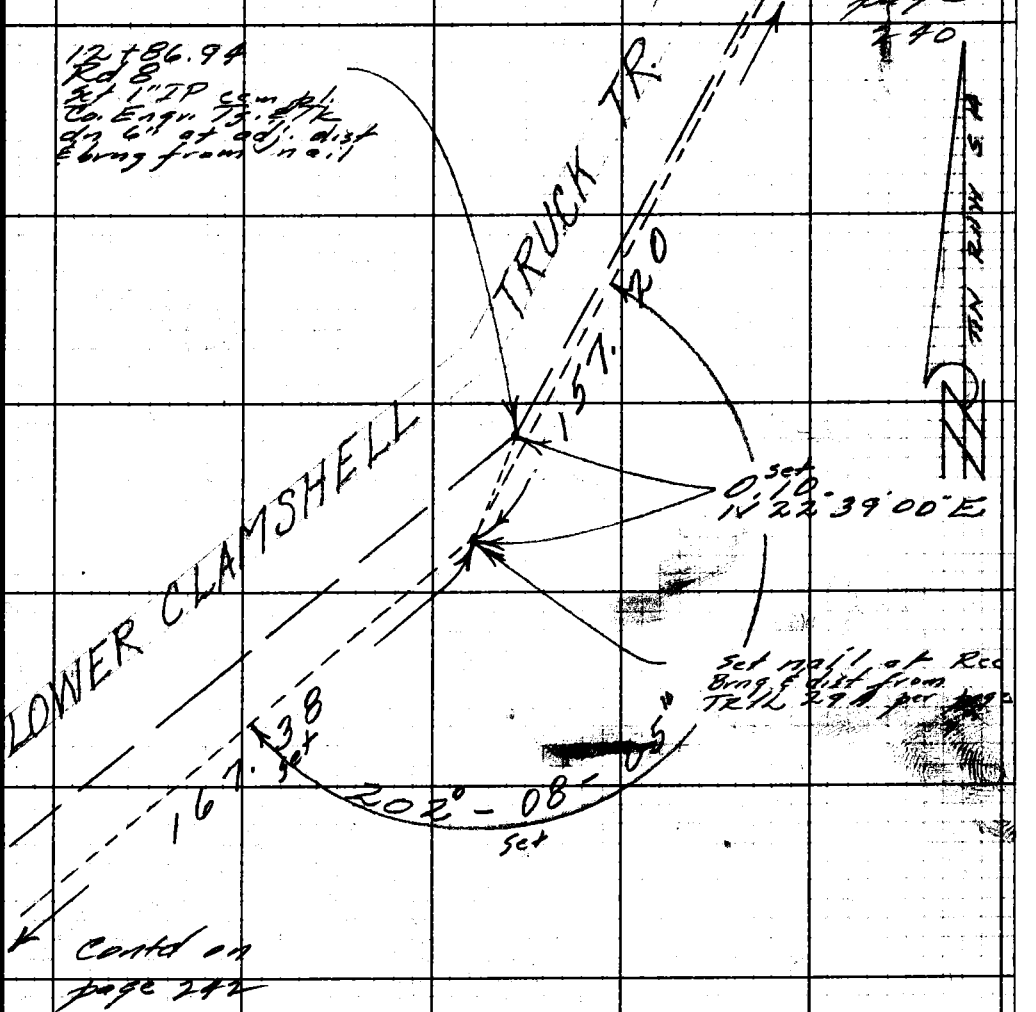
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 005400 Tape Std 84 °F
Office Work	Surveyed by Mitchell
Checked	Notes Mitchell Date Dec. '58
Date	Indexed C. Johnson

F. B. 2249 P. 241

Rd 8

Contd from page 240



Contd on page 242

1) 172.59 @ 10°26 (T=62°) = 169.72
2) 172.39 @ 10°03 " = 169.73
Avg = 169.72
Less (Back) 2.34
Difference = 167.38

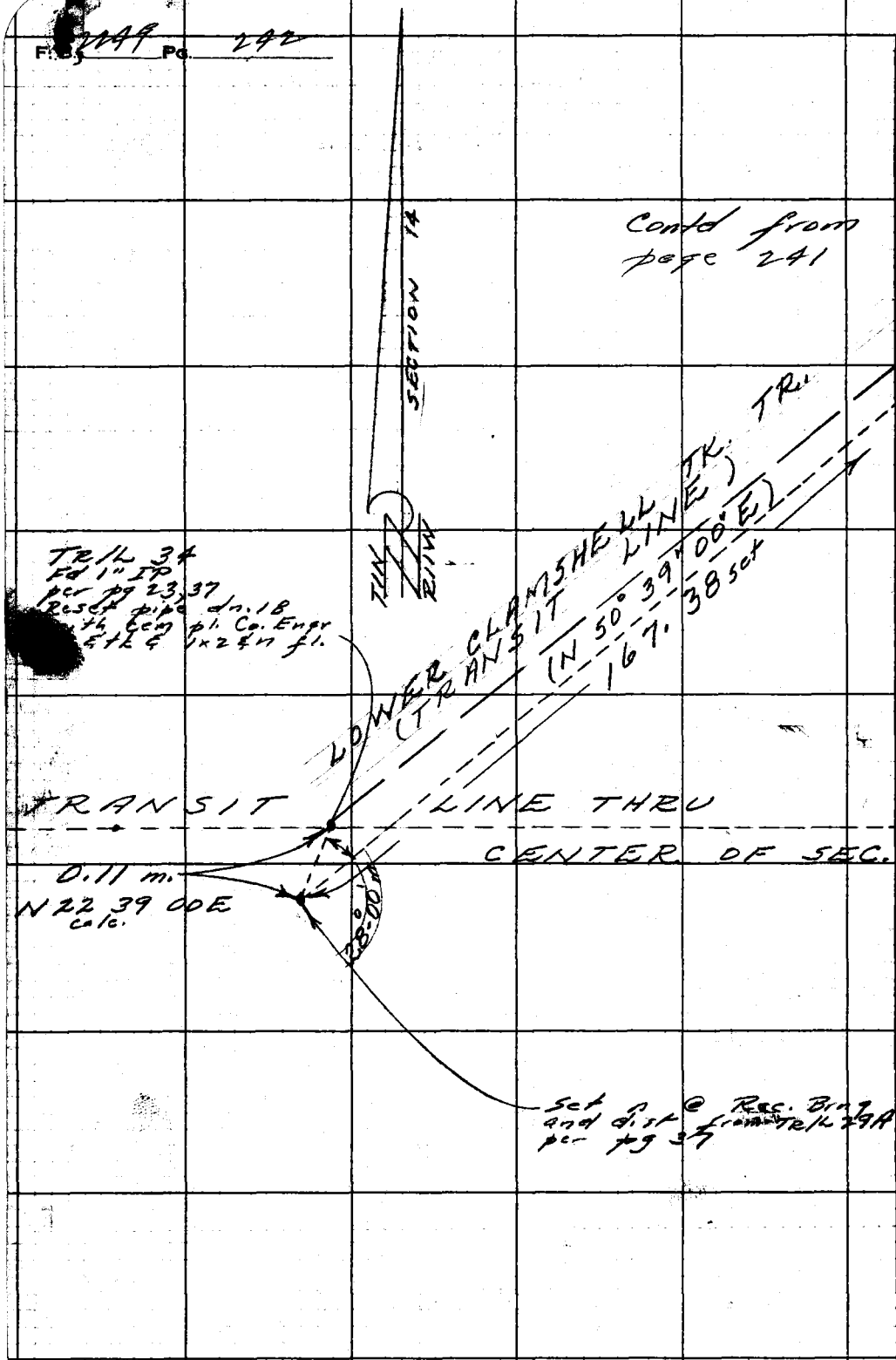
1)	202	08	00
4)	88	32	30
6)	132	48	30
Av)	202	08	05

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



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

Do not extend notes this side of this line.

...er 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 13 Std 84 °F
Office Work	Surveyed by R. J. MITCHELL
Checked	Notes R. J. MITCHELL Date 6/59
Date	Indexed C. Johnson

F. B. 2442 Pg. 243

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 MONUMENTS SET AT OR ALONG THE N. LINE - E. LINE - NE CORNER OF SECTION 14 T1N - R11W FOR LUX ARBORETUM JN. 0016.01

Mitchell, R.J.
Smiley, L.C.
Bistrum, M.L.
Rodriguez, R.R.

June 1959

SEE INDEX ON PG 93

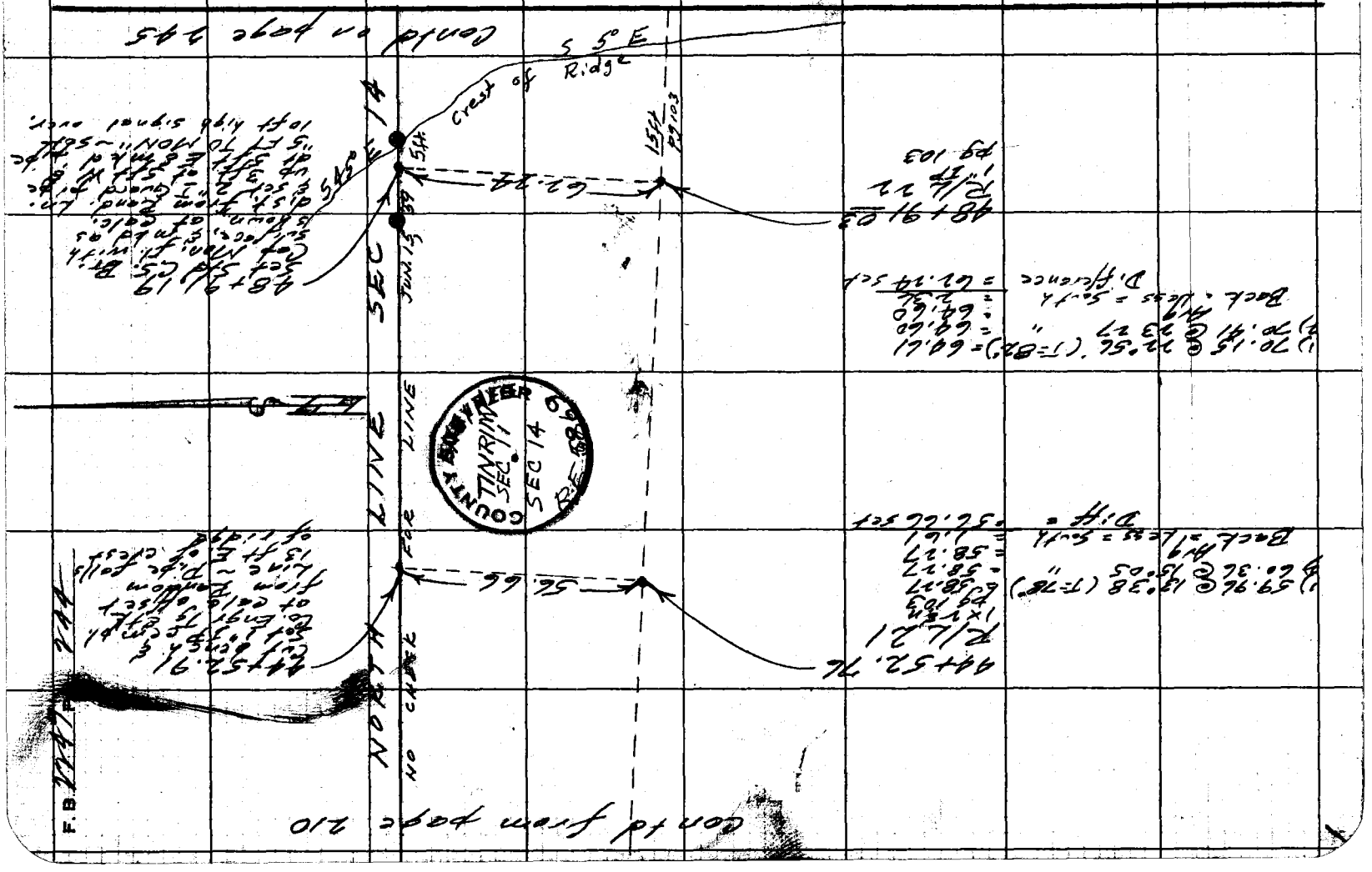
76F3098 CE #247—3-57

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.

W.S. 45-D-2



Notes Ck'd by	Survey of Lox Arboretum
Map No.	JN 0816.01 Tape 2-3 Std 84 °F
Office Work	Surveyed by R. L. MITCHELL
Checked	Notes R. L. MITCHELL Date
Date	Indexed C. Johnson

B. 7149 Pg. 245

W.S. 45-D-2

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

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

Cont'd. fr. R 2 44

R=3773.53' E-19 53+61.13 1+2 103.130

53+45.70 12°22'28" 1+2 103.105

2+709.34 N 53+61.24 W

NE cor Sec 14

Sec 13 & 14 Calculations See page 246 for top of this

COUNTY ENGINEER T1N R11W SEC 14 1959 R.E. 5869

S11 S12 S14 S13

56-17-40" set

8-38

8-38

8-30

66-08-30"

SECTION LINE

T1N R11W

126.13

R 11 W

Same

20+68.79 E-13 1+2 Ahead P9 149

20+12.51 Set Std. C.S. Br. Cap Mon. on crest of ridge by fence. Brs. N.E. 1.5 E. Set 2" I.Grand Pipe 4.4 3 ft. @ 3 ft. S. of Mon. & Mkd. Stake .5 E.T. TO MON

R 11 W Pg. 155

0+00 North 0+00 East E. 14 COR 2" Pgs 10, 11, 124

(Mid. chann. in each trace)

1) 98.92 @ 26°00 (T= 80°) = 85.31
2) 95.24 @ 26°22 (") = 82.33
Avg = 83.82
Less (Back Diff. = 3.44
80.38 Set

1) 137.51 @ 23°27 (T=64°) = 126.14
2) 137.77 @ 23°44 " = 126.12
Avg = 126.13

1)	66	08	40	1) 56	17 40
2)	69	33	50	2) 225	10 30
3)	36	51	00	3) 337	45 50
Av.	66	08	30	Av) 56	17 38 1/3

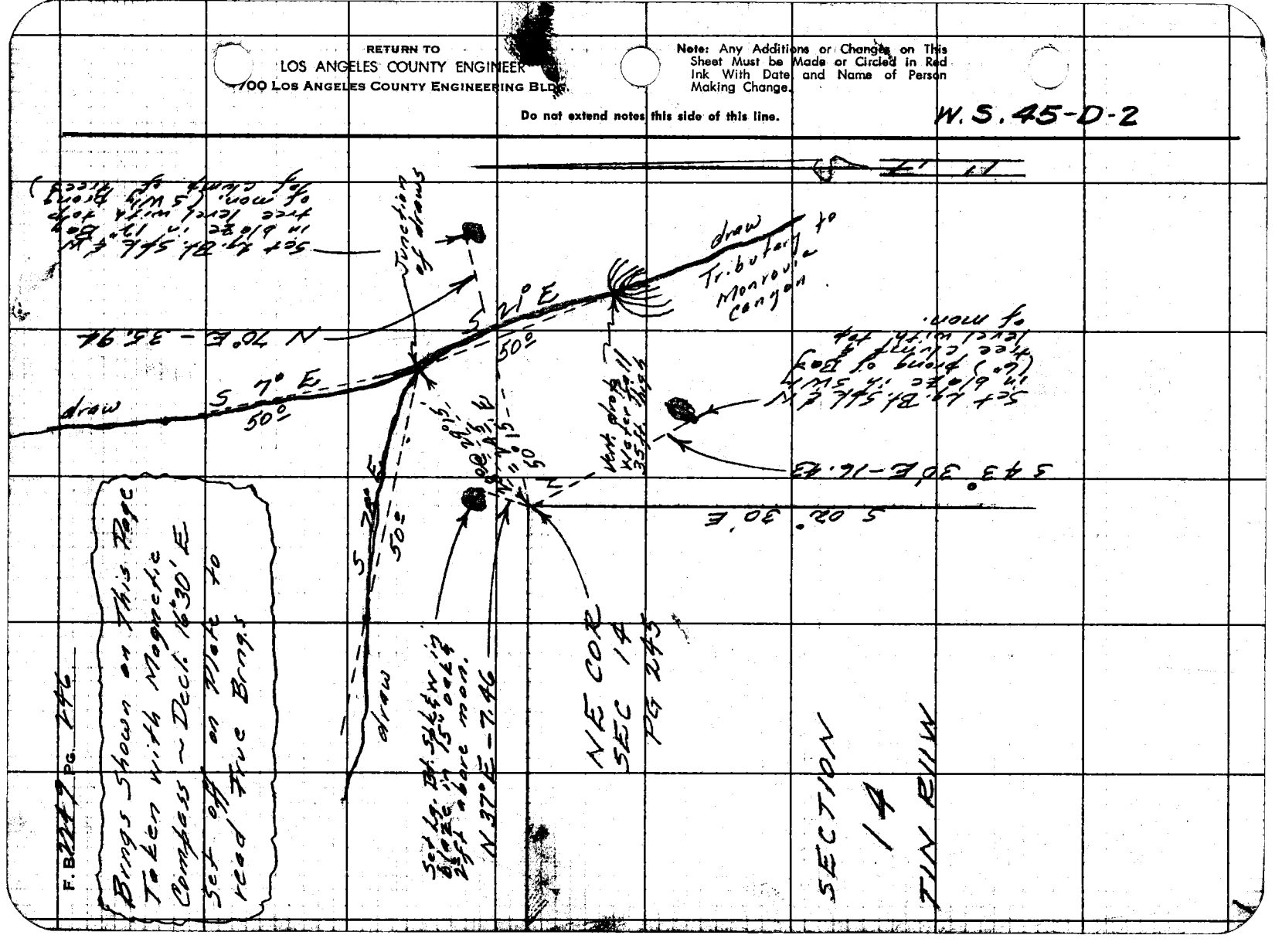
COUNTY ENGINEER T1N R11W SEC 14 SEC 13 R.E. 5869

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.

W.S. 45-D-2

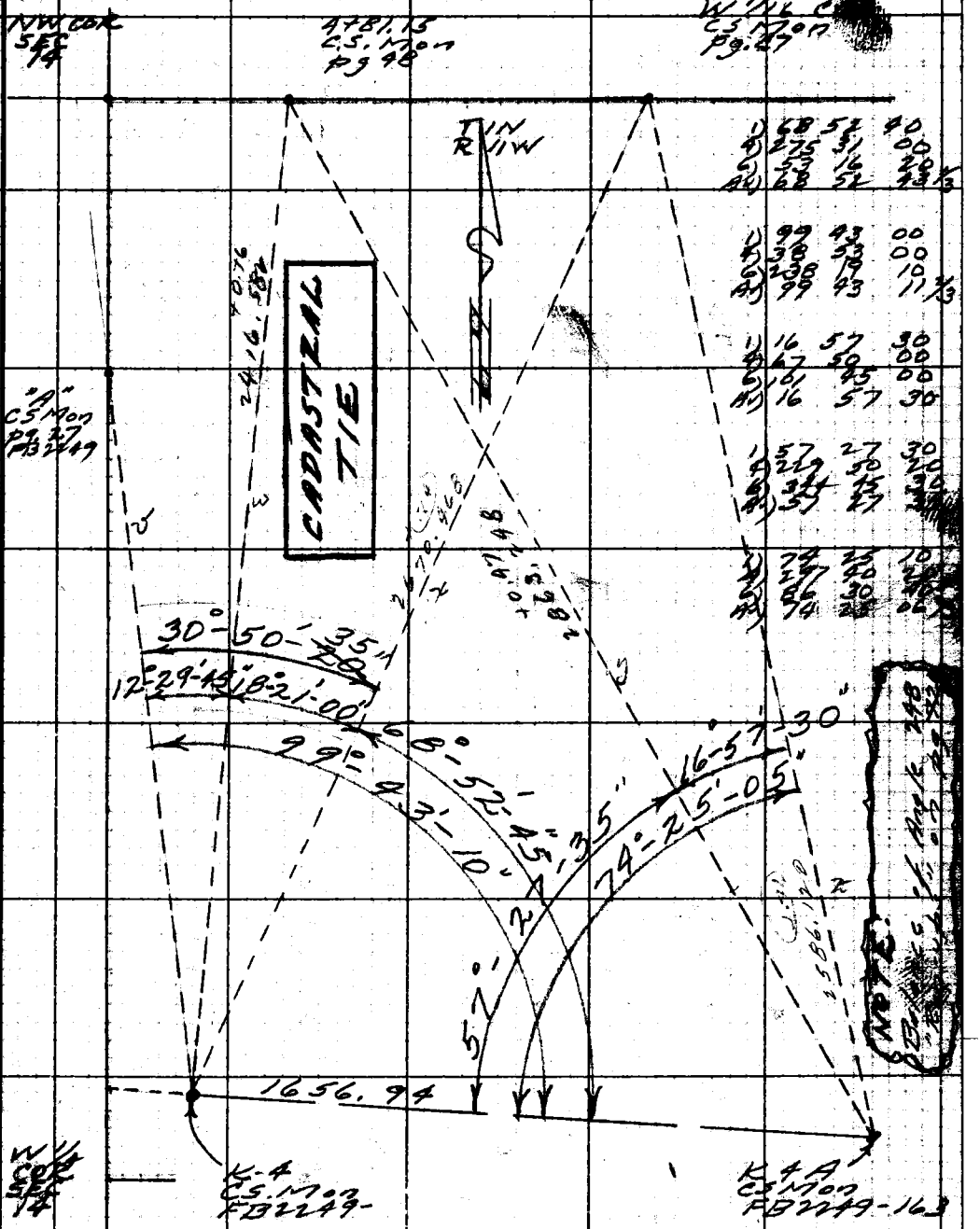


W.S. 45-D-2, C&D-3

Notes Ck'd by	Survey of Lux Arboretum
Map No.	JN 0016.01 Tape 126 Std 89 °F
Office Work	Surveyed by R.J. Mitchell
Checked	Notes Mitchell Date 4/59
Date	Indexed C. Johnson

F. B. 2249 Pg. 24

1)	30	50	[illegible]
4)	123	21	[illegible]
6)	185	02	[illegible]
Av)	30	50	21 2/3



1) 68 52 40
4) 275 31 00
6) 53 16 20
Av) 68 52 43 1/3

1) 99 43 00
4) 38 53 00
6) 238 19 10
Av) 99 43 11 2/3

1) 16 57 30
4) 67 50 00
6) 161 45 00
Av) 16 57 30

1) 57 27 30
4) 229 50 20
6) 344 45 30
Av) 57 27 [illegible]

1) 74 25 10
4) 297 40 [illegible]
6) 86 30 [illegible]
Av) 74 25 [illegible]

NOTE: [illegible] Angle 248 [illegible]

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—7-58

2249
B ~~2248~~ Pg. 248

1) 18 21 00	1) 12 30 00	1) 30 50 20
4) 73 24 00	4) 49 59 00	4) 123 22 10
6) 110 05 50	6) 74 56 20	AV) 30 50 32 1/2
AV) 18 20 58 1/3	AV) 12 29 43 1/3	6) 185 03 20
		AV) 30 50 33 1/3

NOTE:

Angles at K4A (see pg 247) returned by H.R. Stock using Wild T-2 Directional Instrument & 4 positions of Horiz. Circle with following results:

FROM K-4 to 4+81.15 – 57° 27' 34.5"

From K-4 to W 1/16 COR – 74° 25' 01.1"

7/59
R.J.M.

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.

76F309S CE #247—3-57

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

[illegible] Additions or Changes on This [illegible] Must be Made or Circled in Red [illegible] With Date and Name of Person [illegible]ing Change.

Do not extend notes this side of this line.

VERTICAL ANGLE BENCH MARKS

INSTRUMENT		SIGHT ON						DISTANCE		DIFF IN ELEV		ELEV	NOTES
STA	HEIGHT (=B.S.) +	STA	ROD −	VERT. ANGLE ±	0	1	11	HORIZ	VERT	CALC.	ADJ		
K4A	4.8											1566.8	
		4+81.15	1.0	+	12	23	40	2862.78	+629.1	+632.9			
			9.0	+	12	33	30	~~2415.88~~	+637.7	+633.5			
		[illegible]	5.0	+	15	37	40	2585.41	+723.2	+723.0			
			9.0	+	15	43	50		+728.2	+724.0			
R/L 7													
		4+81.15		−				860.43					

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

Survey of Lux Arboretum
JN 001601 Tape 101 Std 84 of
Surveyed by R.J. Mitchell
Notes Mitchell Date Feb. 59
Indexed C. Johnson

F.B. 2249 Pg. 2[illegible]

Cont'd from page 202

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

F. B. PG.

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 OF
LUX ARBORETUM

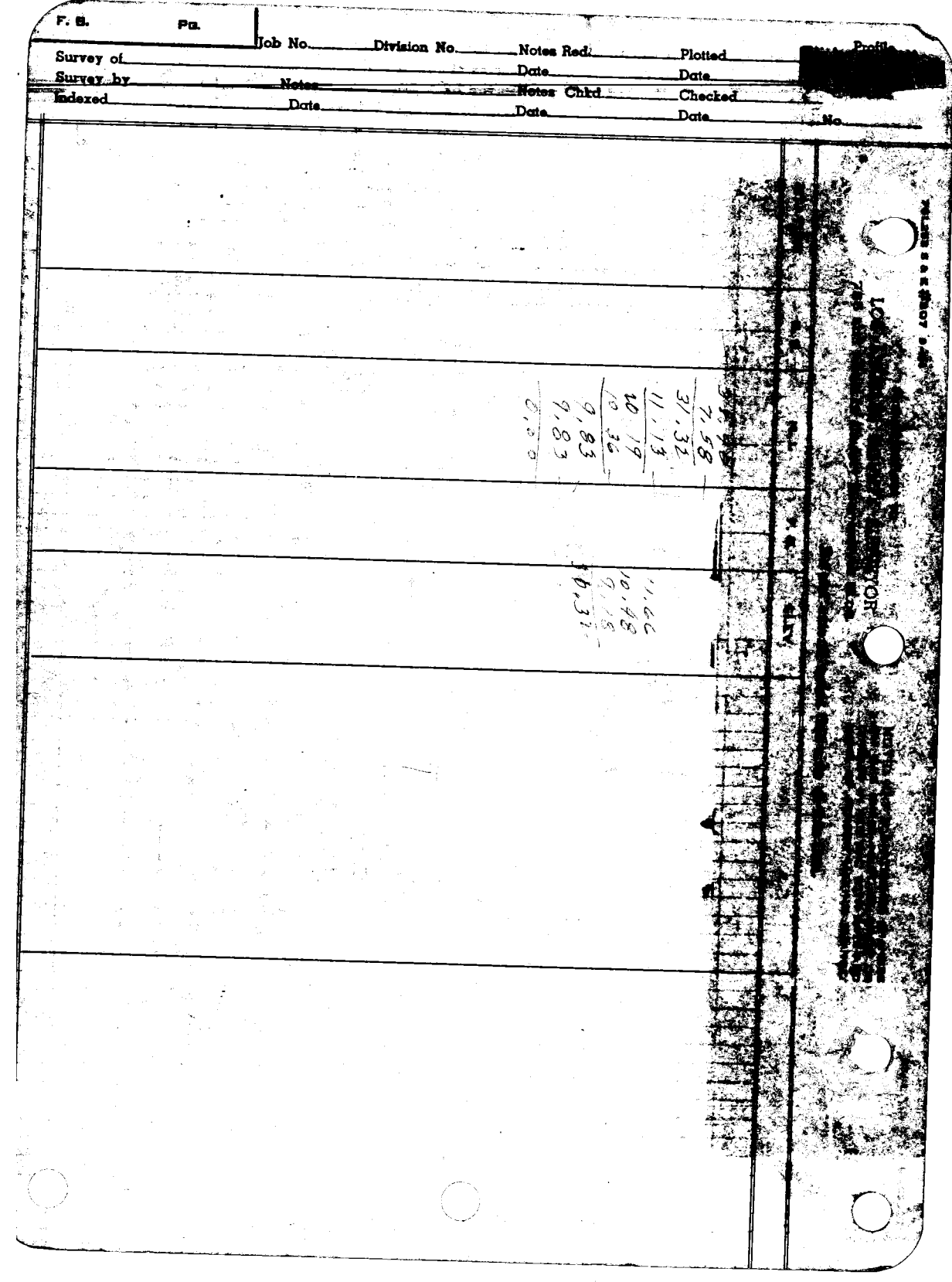
CONTINUED IN
FB 2384

763098 CE #247—7-53

F. B. Pg.

Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date

Survey by Notes Notes Chkd Checked

Indexed Date Date Date No.