Notes Ck'd by
Map No.
Work

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

F.B. 2373 Pg.

Job	Description
	HADLEY ST. EXT. - J.N. 0075.51
0 Topog.	Triang. for topographic control.
4 B.M.	Add'l Bench levels.
3 Topog.	Topog. Control Lines.
4 Topog.	Triang. Control & vert. trig. levels for photogrammetric control.
7 B.M.	Bench Levels P11 to P11A.
5 Cont.	Loc. & elev. of photogrammetric control points for panels.
15 Topog.	Photogrammetric profile check for aerial map. BP-3 to P-8; P-9B to P-10 BP6 to P10; P-10-B to E; & BP9 to BP11.
24 Cont.	Add'l angles for checks on transit lines shown in FB 2335; NW ¼ of NW ¼ of Sec. 22, T2S R11W.
71 C.L.	Proposed C.L. of Hadley St. Ext. from Hill St. (Whittier) to Luitwieler Rd.
82 Cont.	Recovery of Control Points for Aerial Topography.

Microfilmed Jan 88.

Notes Ck'd by	Survey of HADLEY ST EXT	F. B. 2373 Pg. 5
Map No.	JN 0075-51 Tape 138 Std 04 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date Oct 58	
Date	Indexed A. C. Johnson 11-6-58	

HADLEY ST. EXT.

PRELIMINARY ROAD SURVEY

(A CONTINUATION OF WORK DONE PER F.B. 2335)

J. N. 0075-51

October 1958

Party:
J. H. Brown
K. M. Kapp
B. Nunez
H. C. Reuter

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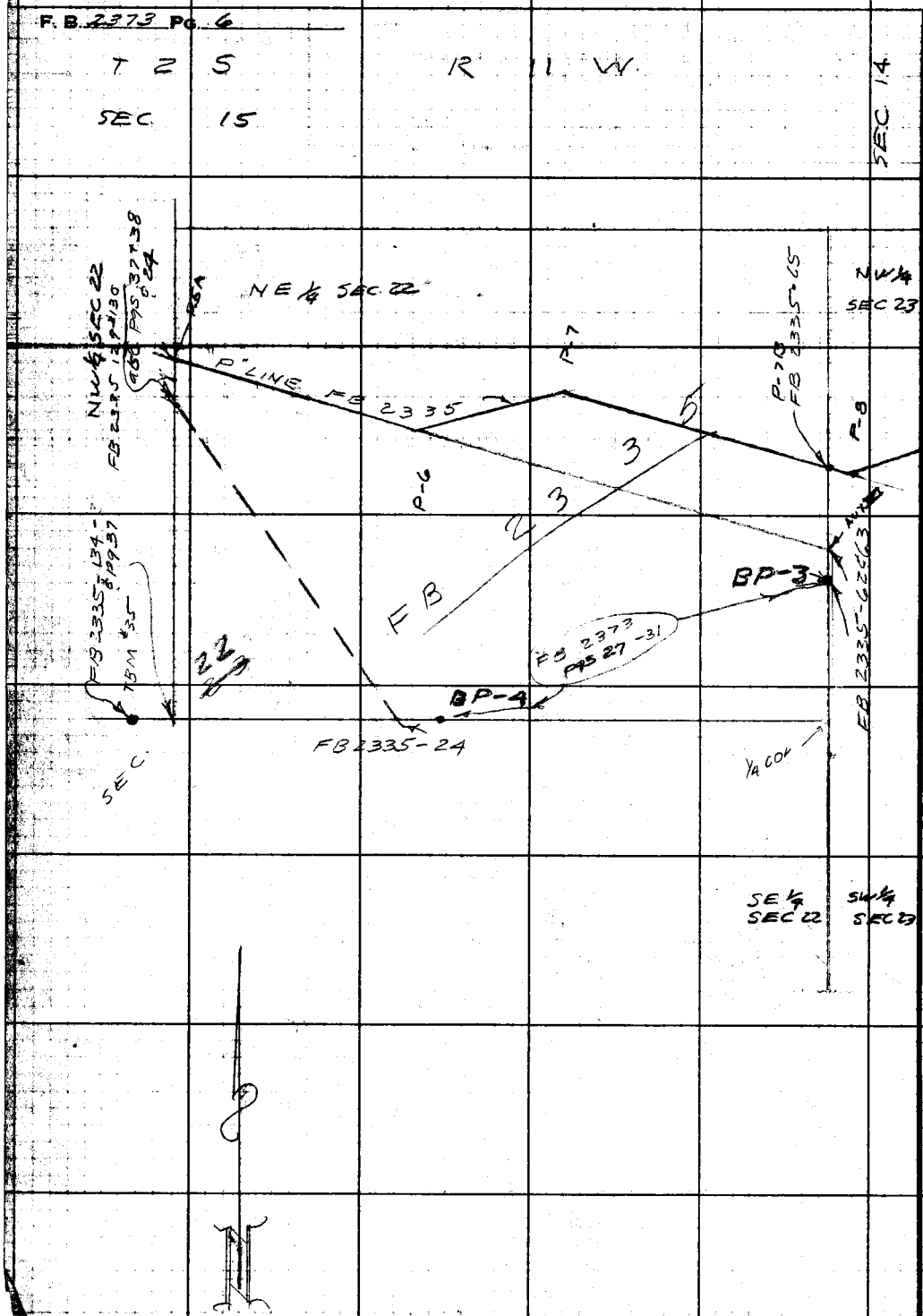
76F3095 CE #247—3-57

F. B. 2373 Pg. 6



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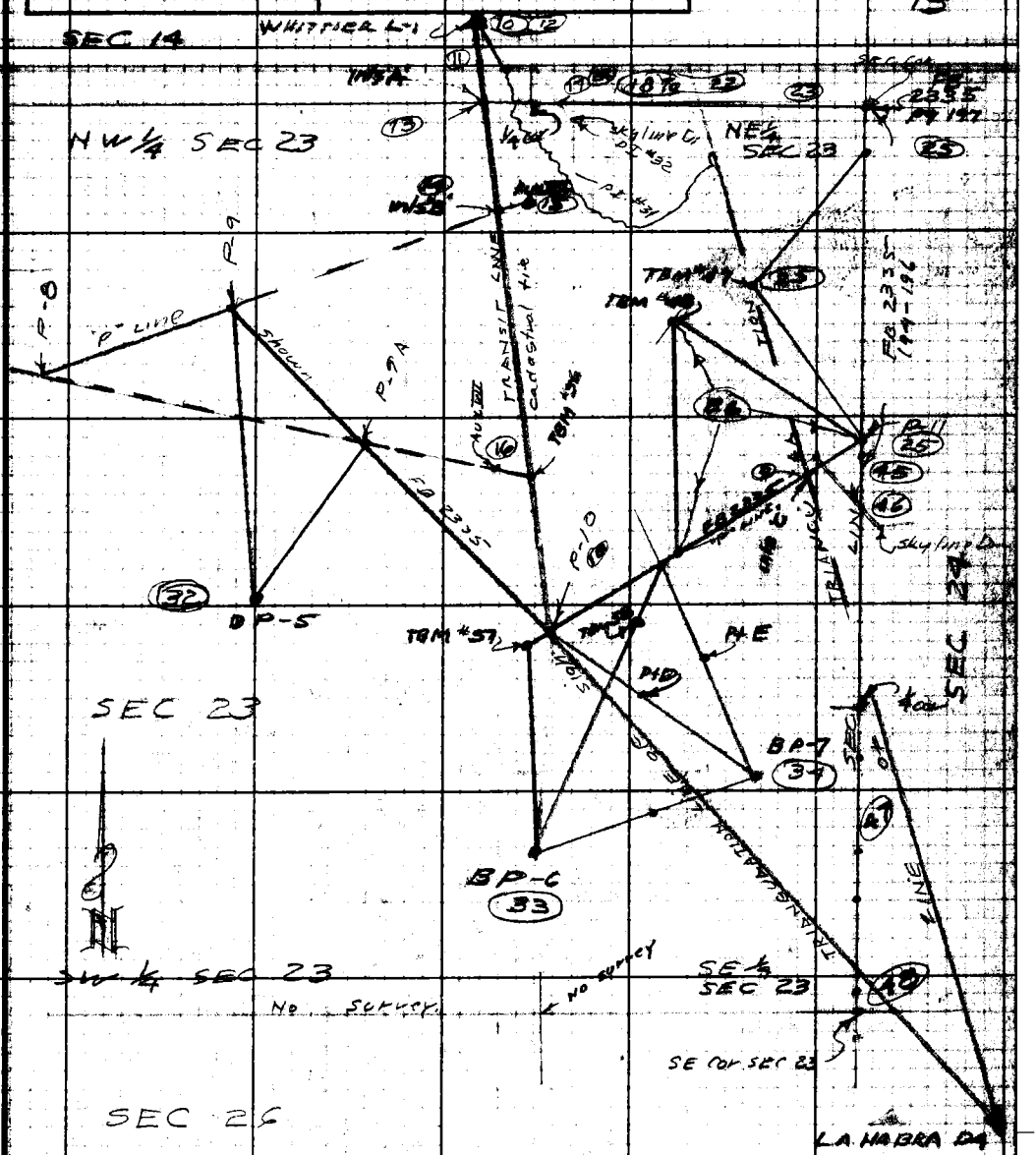
Notes Ck'd by	Survey of Hadley St. Ext.	F. B. 2373 Pg. 7
Map No.	JN 0075.51 Tape 138 Std 84 °F	T 2 S R 11 W
Office Work	Surveyed by J. H. Brown	SEC 15
Checked	Notes J. H. B. Date 10-58	
Date	Indexed A. C. Johnson	



Pgs 27 – 30 Trig Level notes for BP-3 & BP-4

Pgs 35 – 39 Trig Levels for BP-5 BP-6 BP-7

Pgs 40 – 40 Levels for BP 6 & BP-7

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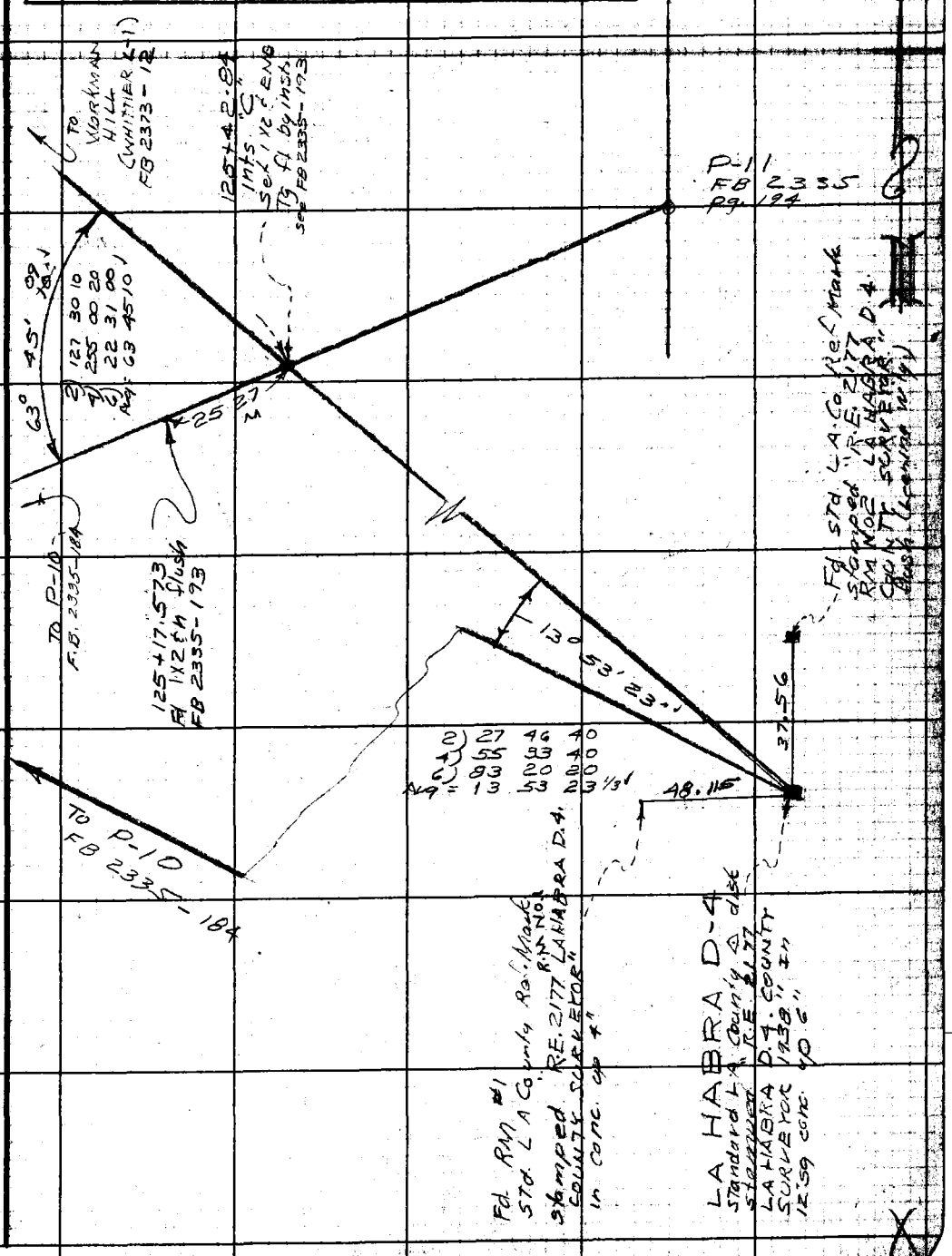
76F309S CE #247—3-57

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN 0075 51 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 10-58
Date	Indexed A. C. Johnson

F. B. 2373 Pg. 9



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76F309S CE #247—3-57

F.B. 2373 Pg. 10

	°	'	"
M =	45	50	53
P =	120	15	44
Q =	13	53	23
	180	00	00

M =	45°	50'	53"
N =	70	23	58
O =	63	45	~~10~~ 09
	180	00	00

from FB 2335-193 Ints "C" = 125+42.85
" FB 2335-194 P-10 = 99+90.82
m = 2552.03

$$o = \frac{2552.02 \times \sin 63^\circ 45' 09''}{\sin 45^\circ 50' 53''} = 3190.11$$

(0.896 892 09)
(0.717 495 09)

SEC 14

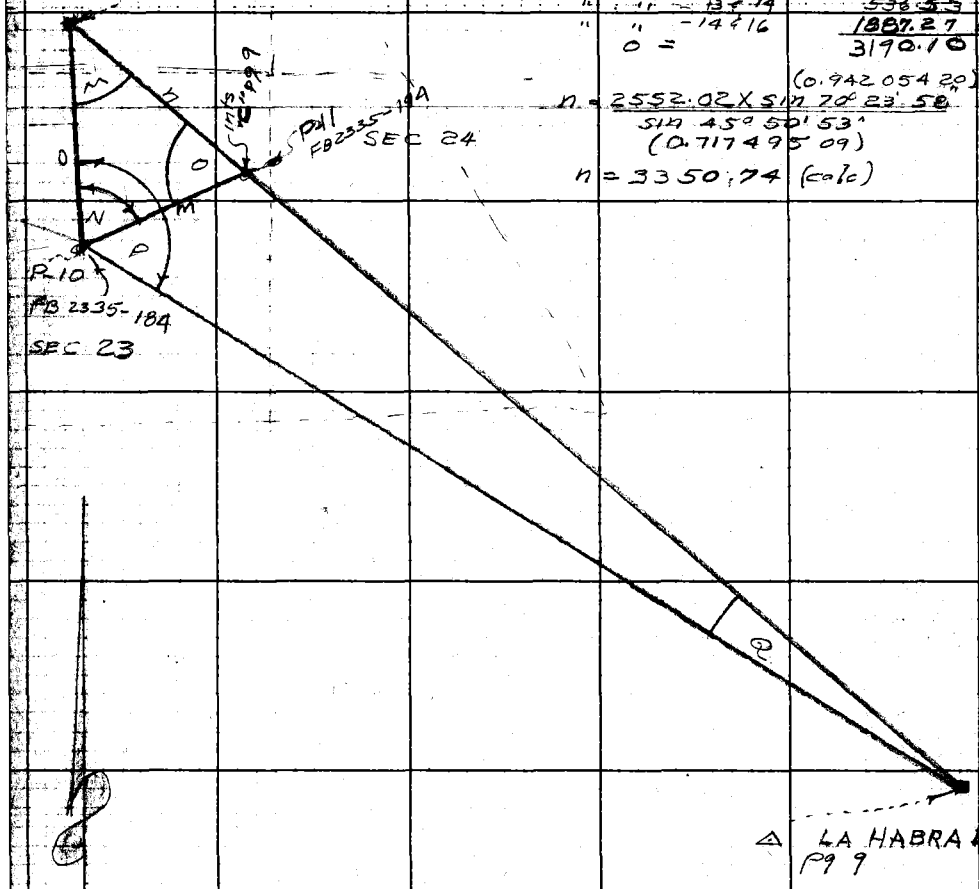
△ WORKMAN HILL P912

FB 2373-12 & 13	766.30	(calc)
" " -13 & 14	536.53	M
" " -14 & 16	1887.27	(calc)
O =	3190.10	

$$n = \frac{2552.02 \times \sin 70^\circ 23' 58''}{\sin 45^\circ 50' 53''}$$

(0.942 054 20)
(0.717 495 09)

n = 3350.74 (calc)



△ LA HABRA D-4
P9 9

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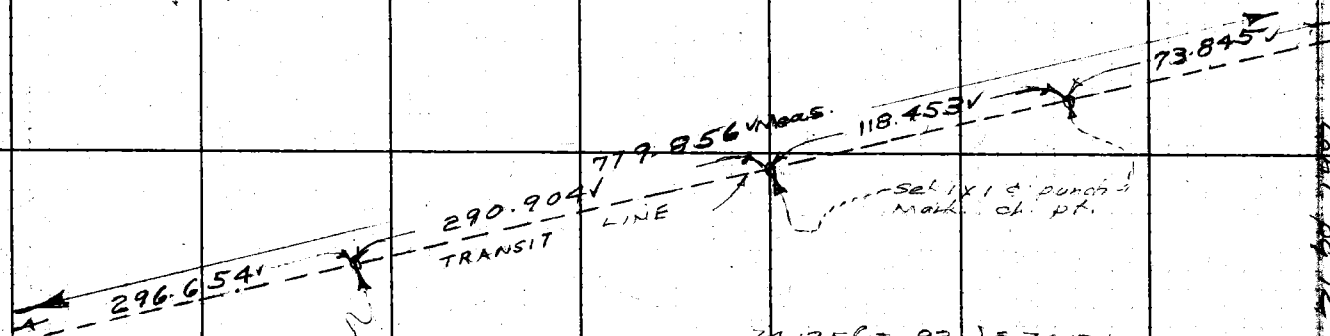
297.650 (T = 94) = 297.670 ✓
297.670 @ 12° 14 00 (cos = 977 292 79)
= 290.911 ✓
297.825 (T = 94) = 297.045 ✓
297.845 @ 12° 24 00 (cos = 976 672 28)
= 290.897 ✓
Avg = 290.904 ✓

121.020 (T = 92) = 121.030 ✓
121.030 @ 11° 50' 00" (cos = 978 748 25)
= 118.458 ✓
121.160 (T = 92) = 121.170 ✓
121.170 @ 12° 10' 00" (cos = 977 538 67)
= 118.448 ✓
Avg = 118.453 ✓



74.125 (T = 92) = 74.13 ✓
74.13 @ 5° 00' 00" (cos = 996 194 70)
= 73.848 ✓
74.215 (T = 92) = 74.22 ✓
74.22 @ 5 45 20 (cos = 994 958 80)
= 73.846 ✓
Avg = 73.845 ✓

Set 1x1 & punch mark ch. pt.

cont FB 2335-52

SW ¼ SEC 14 T2S R11W

cont pg 12

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

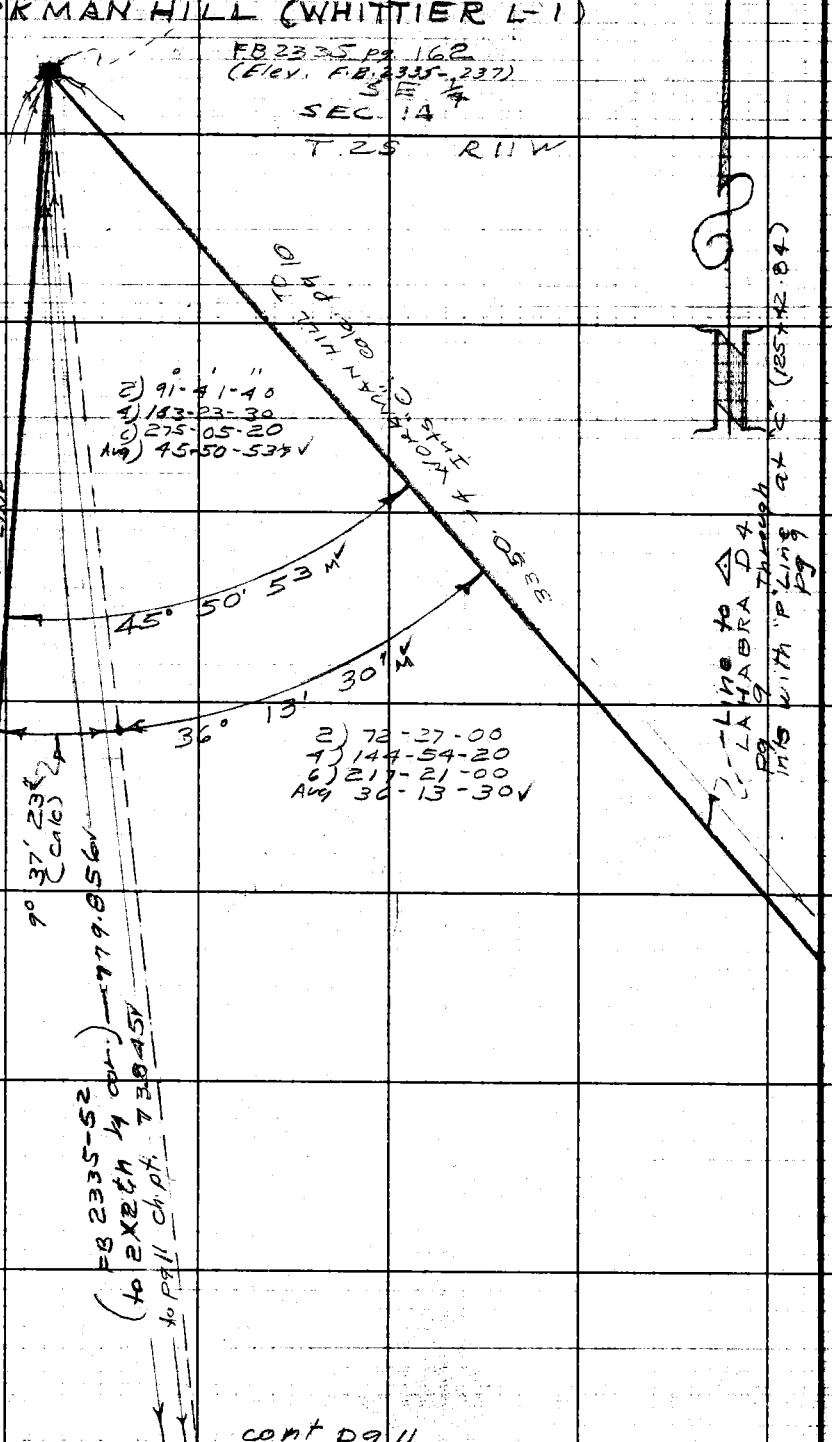
Survey of HADLEY ST EXT
JN 0075 51 Tape 138 Std 84 °F
Surveyed by J. H. Brown
Notes J. H. B. Date 9-19-52
Indexed C. Johnson

F. B 2373 Pg. 17

F.B. 2373 Pg. 12

CADASTRAL TIES

WORKMAN HILL (WHITTIER L-1)



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Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN 0075.51 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 8-14-58
Date	Indexed A. C. Johnson

F. B. 2373 Pg. 13

SW¼ SEC 14 cont pg 12 T2S R11W

2) 173-55-40
4) 347-51-20
6) 161-47-20
Avg 86-57-53½

WORKMAN HILL

766.30 (calc)

762.08

53"

86° 57'

set nothing

SEC LINE thru ¼ cor.

(calc) 4.22 4.21 (calc)

pg 32 54.918

Straight Line between 75 392 M SEC corners

From W going E 24+84.922
INTS A set 1x2 fn
fl. by ints.

H-23

from west going east 25+59.814

① Level (T=88) ②

①	②
297.765	299.255
28.335	26.835
326.100	326.090
+.010 Temp Corr	+.010
326.110	326.100

Avg = 326.105

326.105 M

536.53 M

Ed 1x2 fn per pg 52

Cont FB 2335

pg 52

set 1x2 fn by wiggle

43.718 M

326.105
43.718
24.710
142.000
536.533

NW¼ SEC 23 cont pg 14

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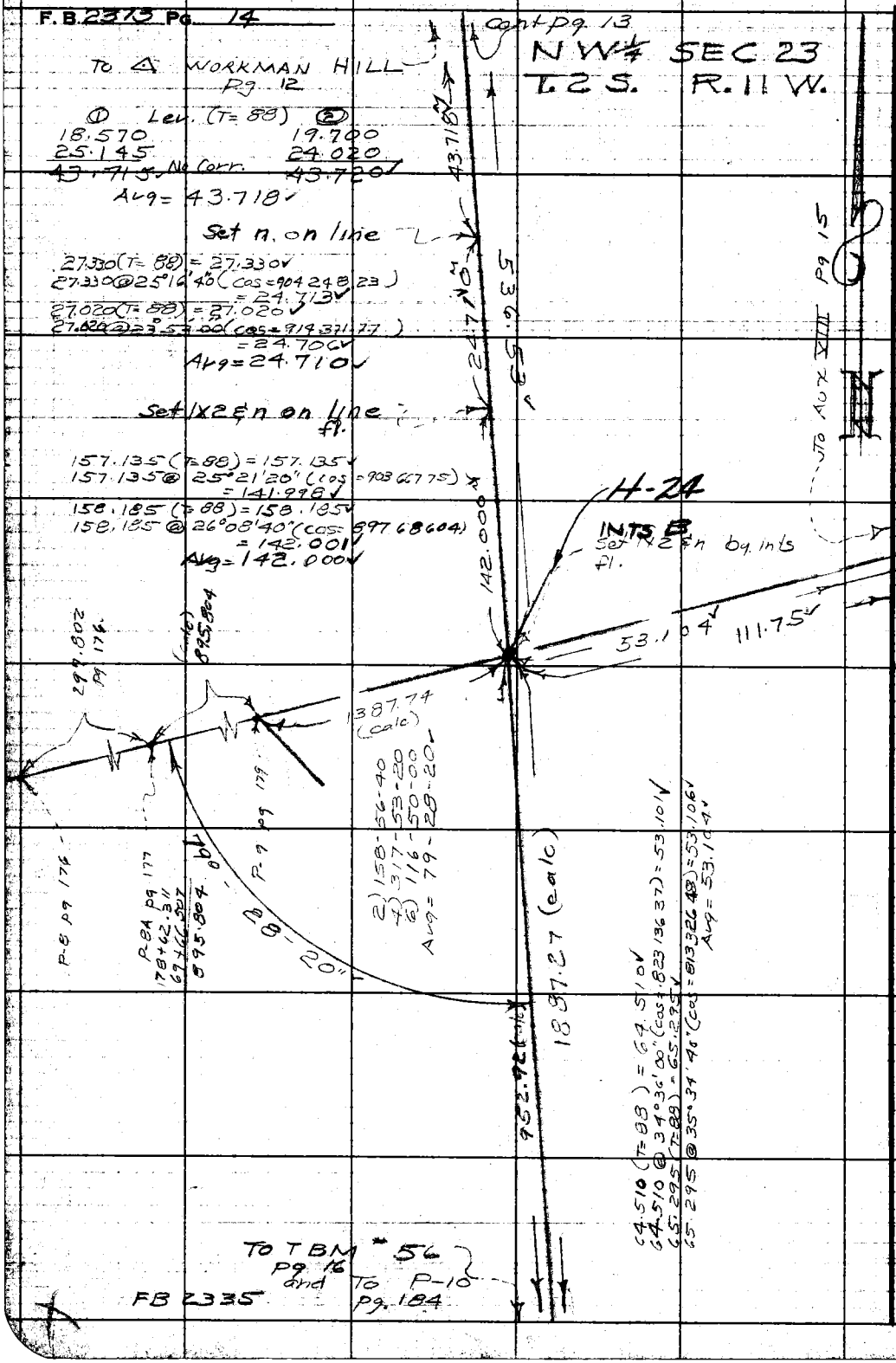
76F3093 CE #247—3-57

F.B. 2373 Pg. 14



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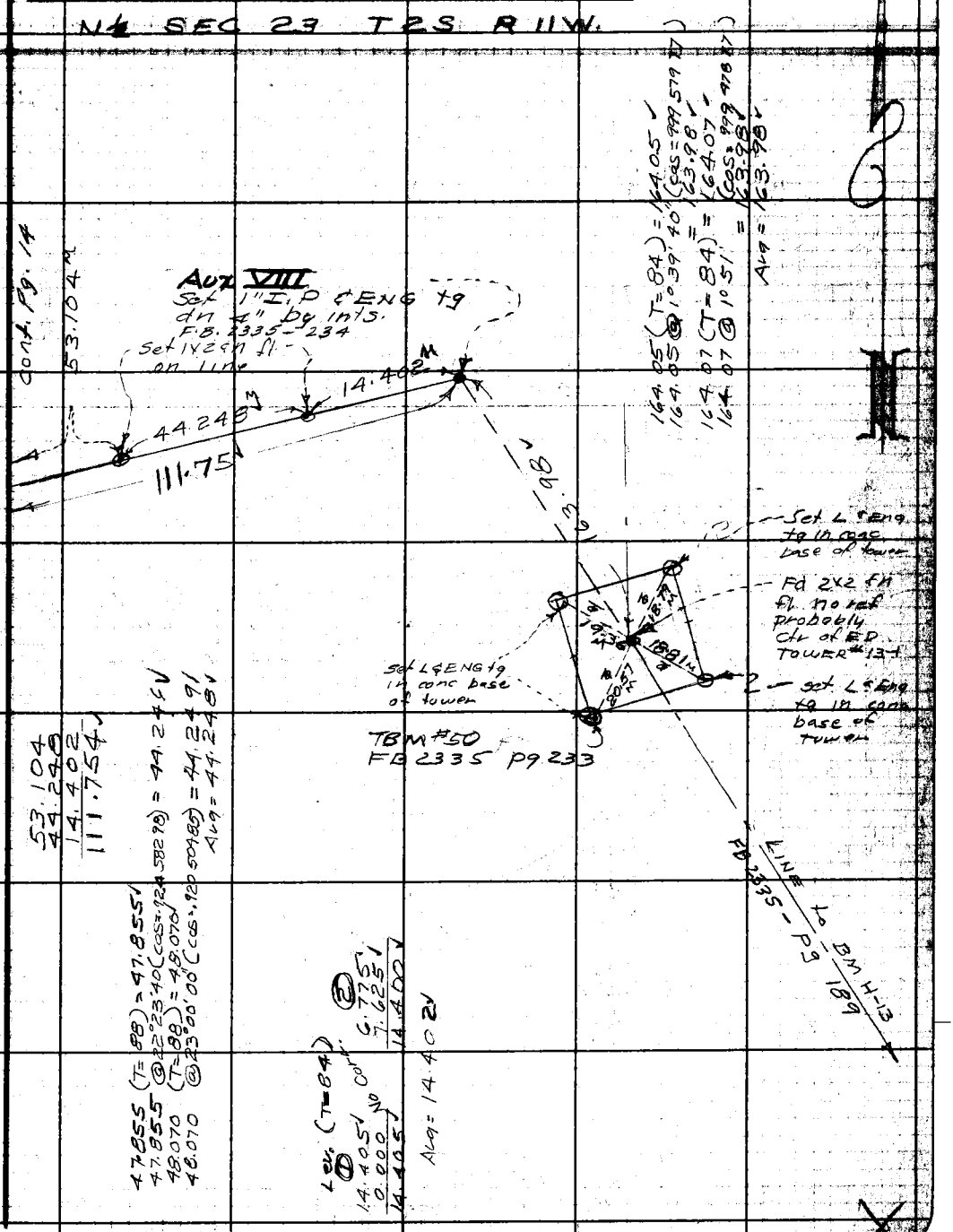
Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN 0075.51 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. N. B. Date 9-14-58
Date	Indexed K. C. Johnson

F. B. 2373 Pg. 15

N½ SEC 23 T2S R11W.



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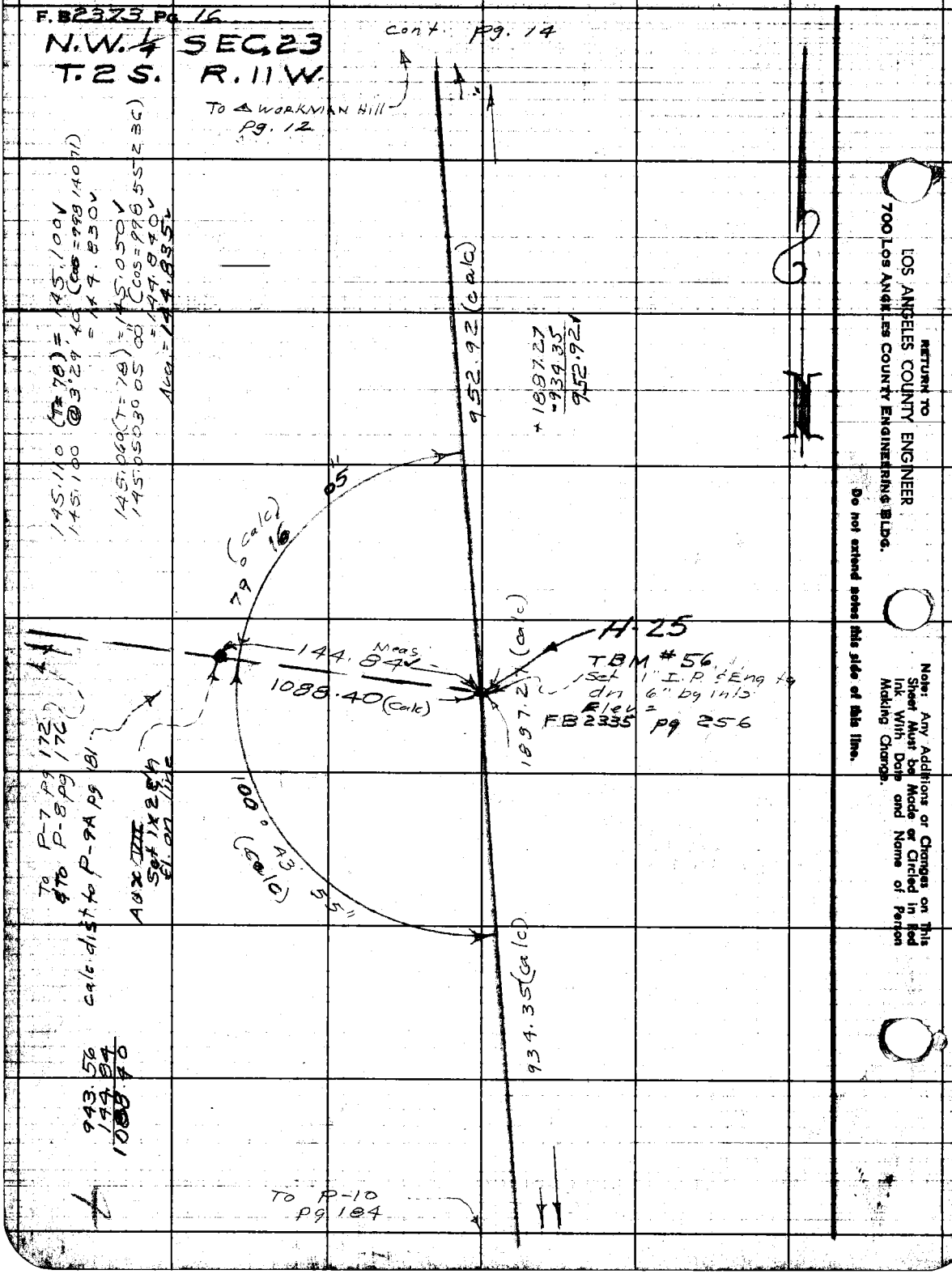
76F3099 CE #247—3-57

F.B 2373 Pg 16

N.W. 1/4 SEC. 23

T. 2 S. R. 11 W.



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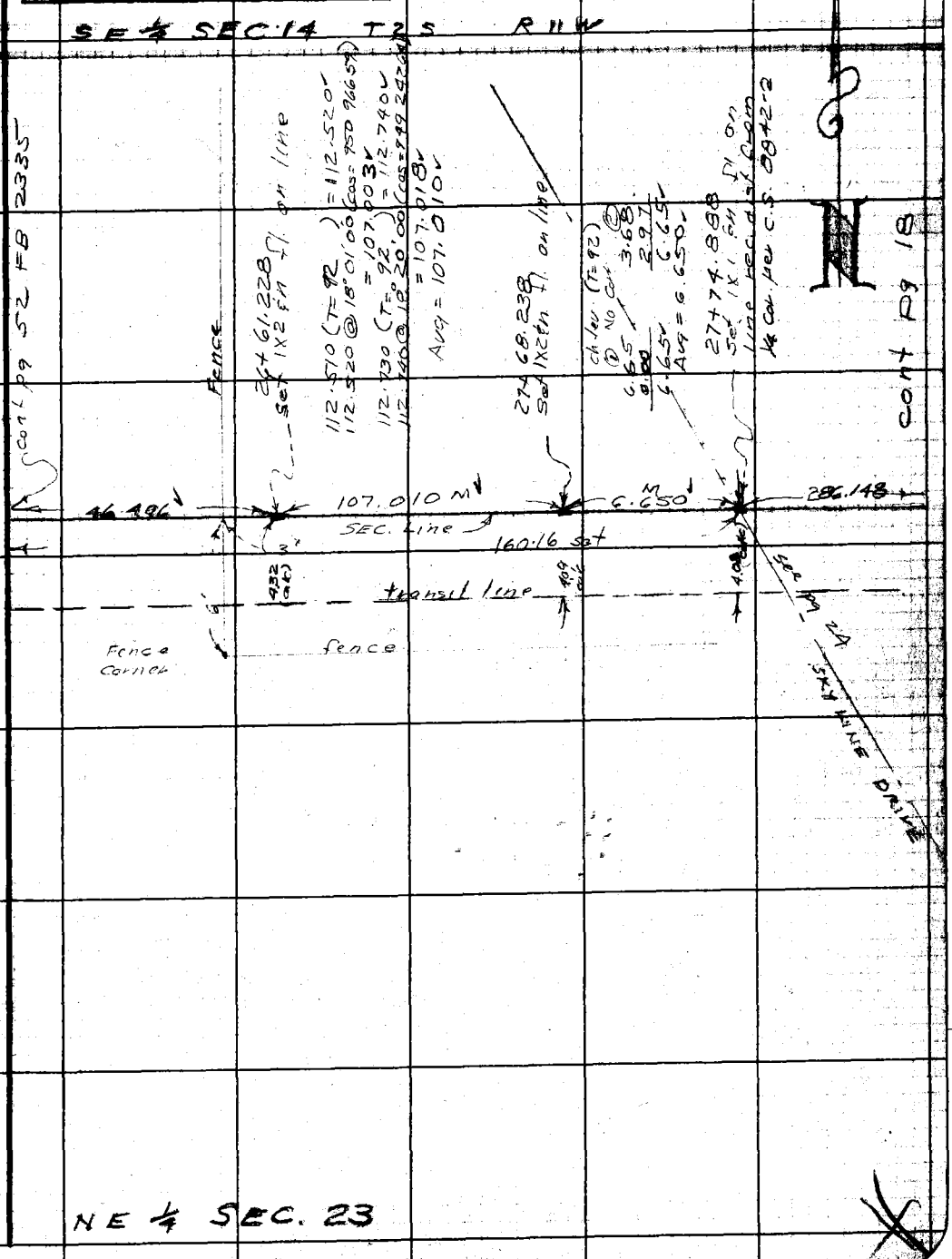
Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN007551 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 9-19-58
Date	Indexed C. Johnson

F. B. 2373 PG. 17



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76F309S CE #247—3-57

F.B. 2373 Pg. 18

SE ¼ SEC. 14 T.2S. R.11W.

297.09 (T= 90) = 297.10
297.10 @ 15°36'40" (cos = 963 110 40)
= 286.140
~~297.37 (T= 90) = 297.38~~
~~297.38 @ 15°44'40" (cos = 962 085 88)~~
~~= 286.105~~
297.21 (T= 90°) = 297.22
297.22 @ 15°41'00" (cos = 962 770 42)
= 286.155
Avg = 286.148

set 1X2 & n fl.
30+61.036

135.76 (T= 86) = 135.76
135.76 @ 14°49'00" (cos = 966 749 04)
= 131.246
135.85 (T= 86) = 135.85
135.85 @ 14°56'00" (cos = 966 226 32)
= 131.261
Avg = 131.254

31+92.290
set 1X2 & n fl.

98.61 (T= 86) = 98.61
98.61 @ 21°02'00" (cos = 933 371 78)
= 92.040
98.96 (T= 86) = 98.96
98.96 @ 21°33'90" (cos = 930 026 13)
= 92.035
Avg = 92.038

set nothing 31+98.84

286.148 — 131.254 — 92.038
SEC. LINE
53.59 — 25.30 — 6.55 M

3.42 (calc) — 3.62 (calc) — 3.41 (calc) — 3.105

Transit Line between Sec. Corners

0.29 (calc) — 0.19 (calc) — 0.20 (calc)

cont pg 17

Fd 1X2 & n fl. no ref

30+07.45
55.65 (T= 86) = 55.65
55.65 @ 15°36'40" (cos = 963 110 40)
= 53.597
55.64 (T= 86°) = 55.66
55.66 @ 15°41'00" (cos = 962 770 42)
= 53.587
Avg = 53.592

① T= 86 No Cor ②
12.90 — 13.435
12.395 — 11.87
25.295 — 25.305
Avg = 25.30

Fd 2X2 & n fl. No ref

30+86.34

Fd 1X2 & n fl. in fence line No ref

cont pg 19

NE ¼ SEC. 23

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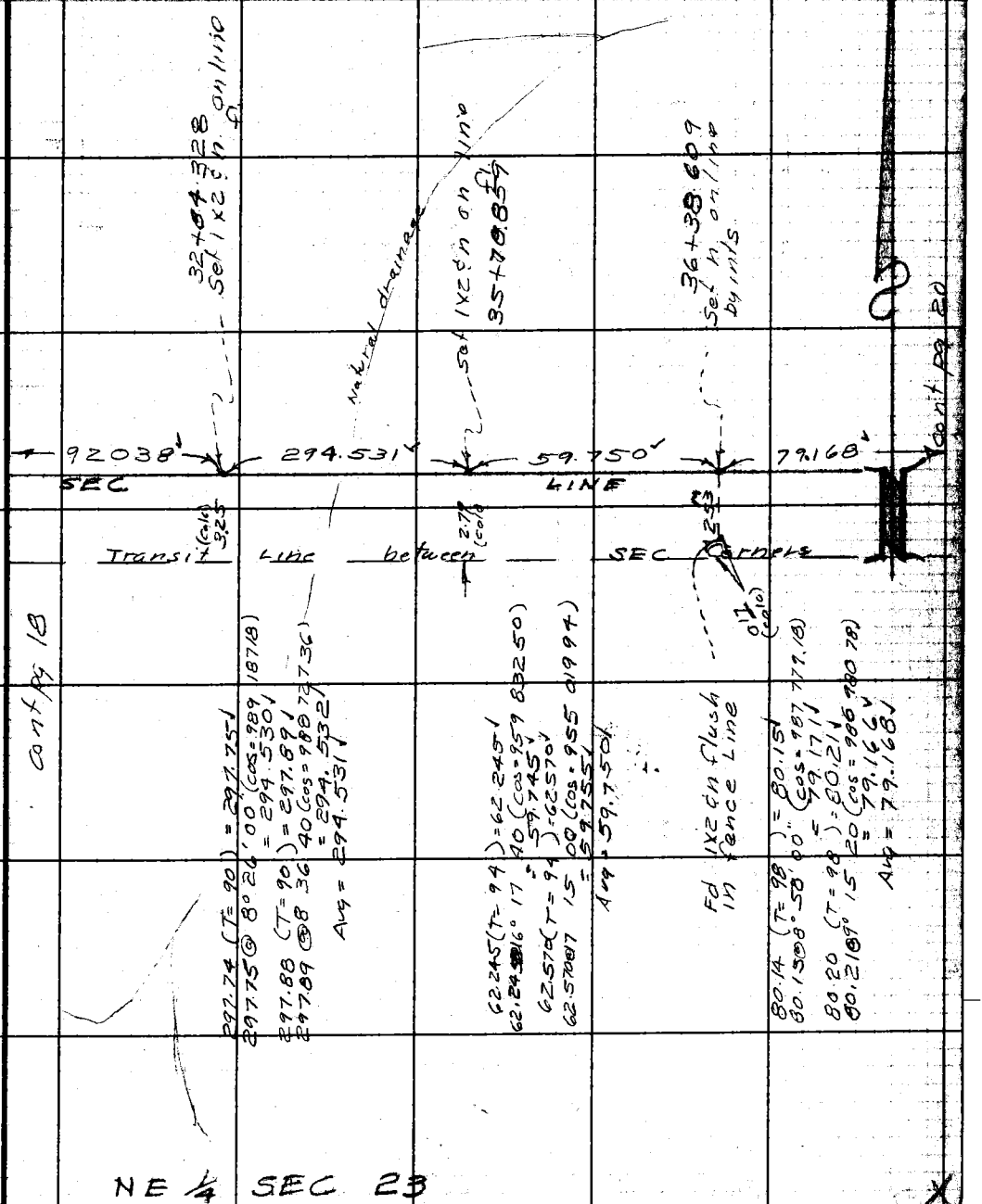
Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN007551 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 10-15-58
Date	Indexed [redacted] C. Johnson

F. B. 2373 PG. 19

SE¼ SEC 14 T2S R11W



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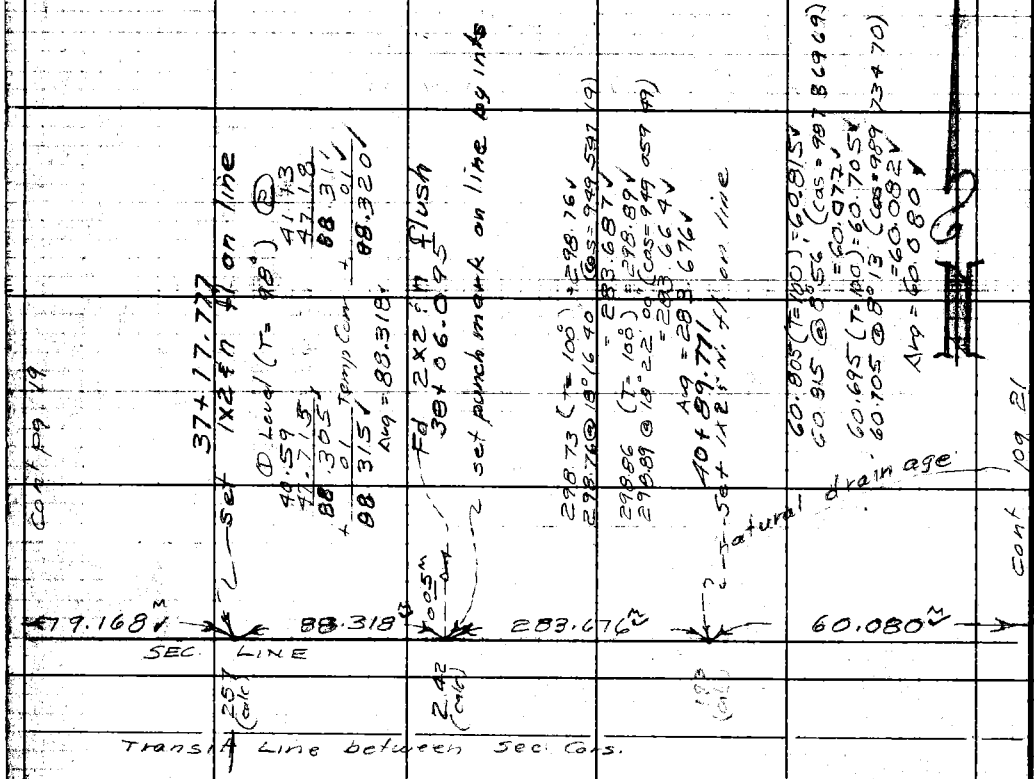
76F309S CE #247—3-57

F.B. 2373 Pg. 20

SE. 1/4 SEC 14 T.2 S. R 11 W



NE 1/4 SEC 23

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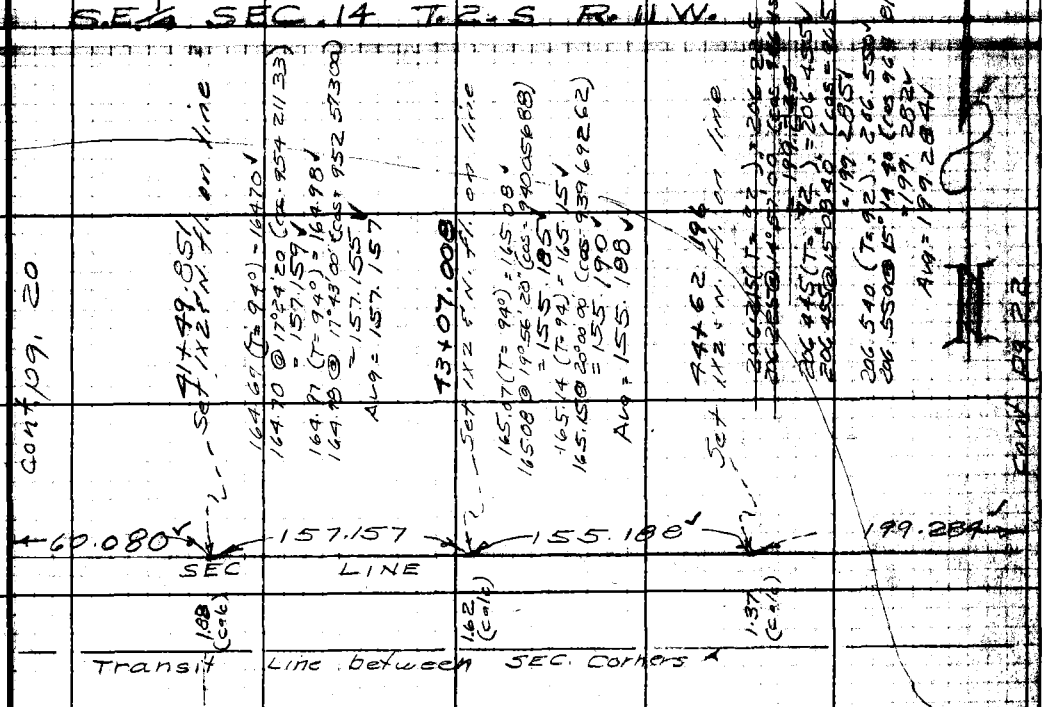
Map No.	JN 0075-51 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 10-15-58
Date	Indexed C. Johnson

F. B. 2373 Pg. 21

S.E. 1/4 SEC. 14 T. 2 S. R. 11 W.



N.E. 1/4 SEC. 23

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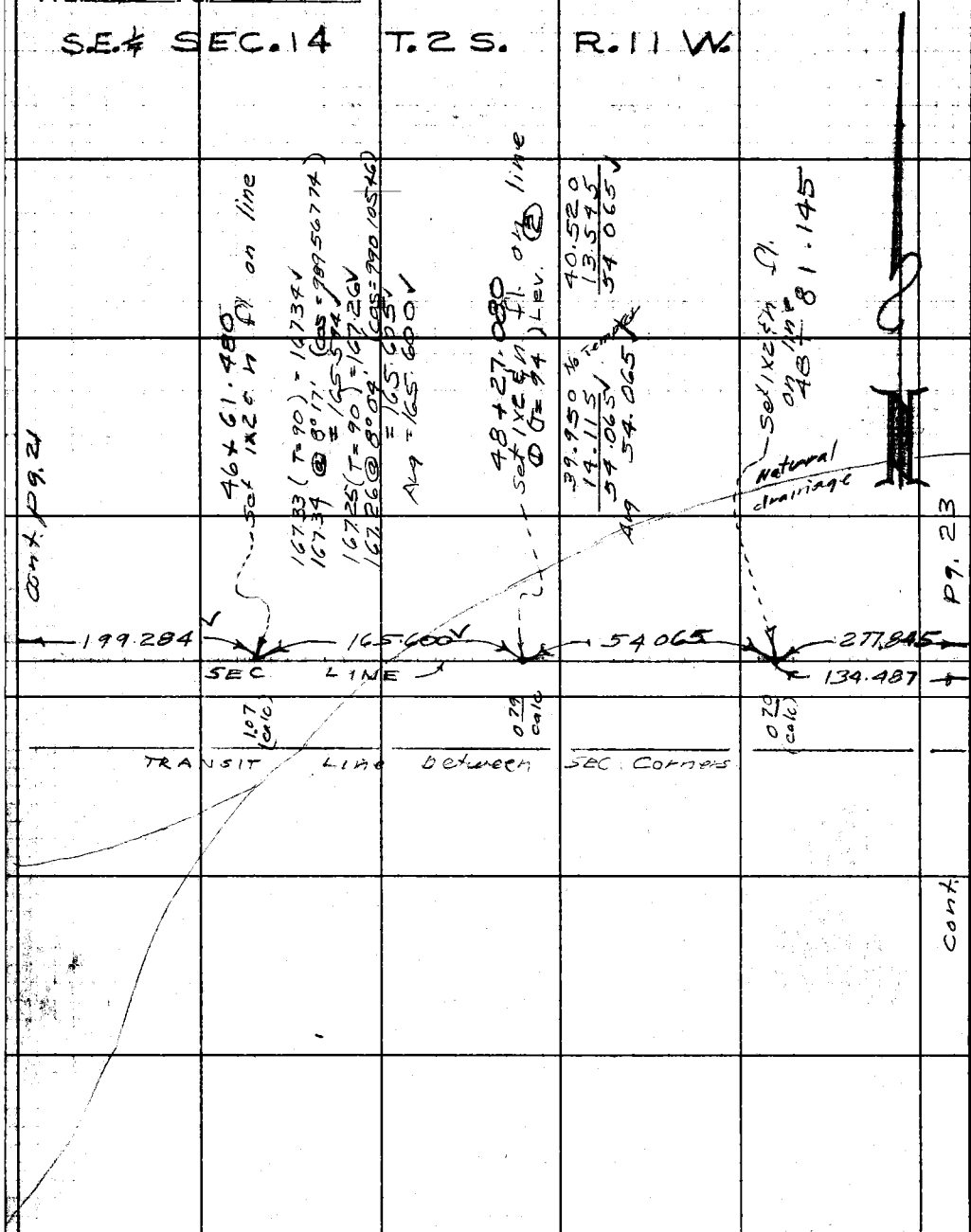
76F309S CE #247—3-57

F.B. 2373 Pg. 22

S.E.¼ SEC. 14 T. 2 S. R. 11 W.



N.E.¼ SEC. 23

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Cont. pg. 22

137.02 (T=94) = 137.03✓
137.03 @ 11°01'00 (cos = 981 404 50)
= 134.482✓
136.91 (T=94) = 136.92✓
136.92 @ 10°48'20" (cos = 982 269 08)
= 134.492✓
Avg = 134.487
+9✓

50+15.635

Fd 2X2 in fl. (New) on fence line
no ref.

① Level T=98
59.79
31.87
13.01 (Turn at)
104.67+01 = 104.68✓

134.49
104.68
38.27
27.7.44

51+20.32

Fd 1X2 in fl.
no ref.

39.205 (T=102) = 39.205✓
39.205 @ 9°29'40" (cos = 986 301 60)
= 38.668✓

278.30 (T=96) = 278.32✓
278.32 @ 3°21' (cos = 998 291 20)
= 277.844
278.335 (T=96) = 278.355✓
278.355 @ 3°28' (cos = 998 170 15)
277.846✓
Avg = 277.845✓

134.49
(calc) 0.25
0.17
277.845
104.68
3.8
38.67
0.26 (calc)
TRANSIT
LINE between SEC
51+58.990
Set 1X2 in fl. on line

91.885 (T=100) = 91.895✓
91.895 @ 13°18'00" (cos = 973 379 26)
= 89.449✓
92.02 (T=100) = 92.03✓
92.03 @ 13°34'10" (cos = 972 052 13)
= 89.458✓
Avg = 89.454✓

89.454
0.11 (calc)
Set 1X2 in. fl. on line
52+48.444

① (T=102) Level ②
25.970
43.325
69.295✓
+01
69.305✓
Temp Cut
27.135
42.150
69.285✓
+01
69.285✓
Avg = 69.300✓

69.300
LINE

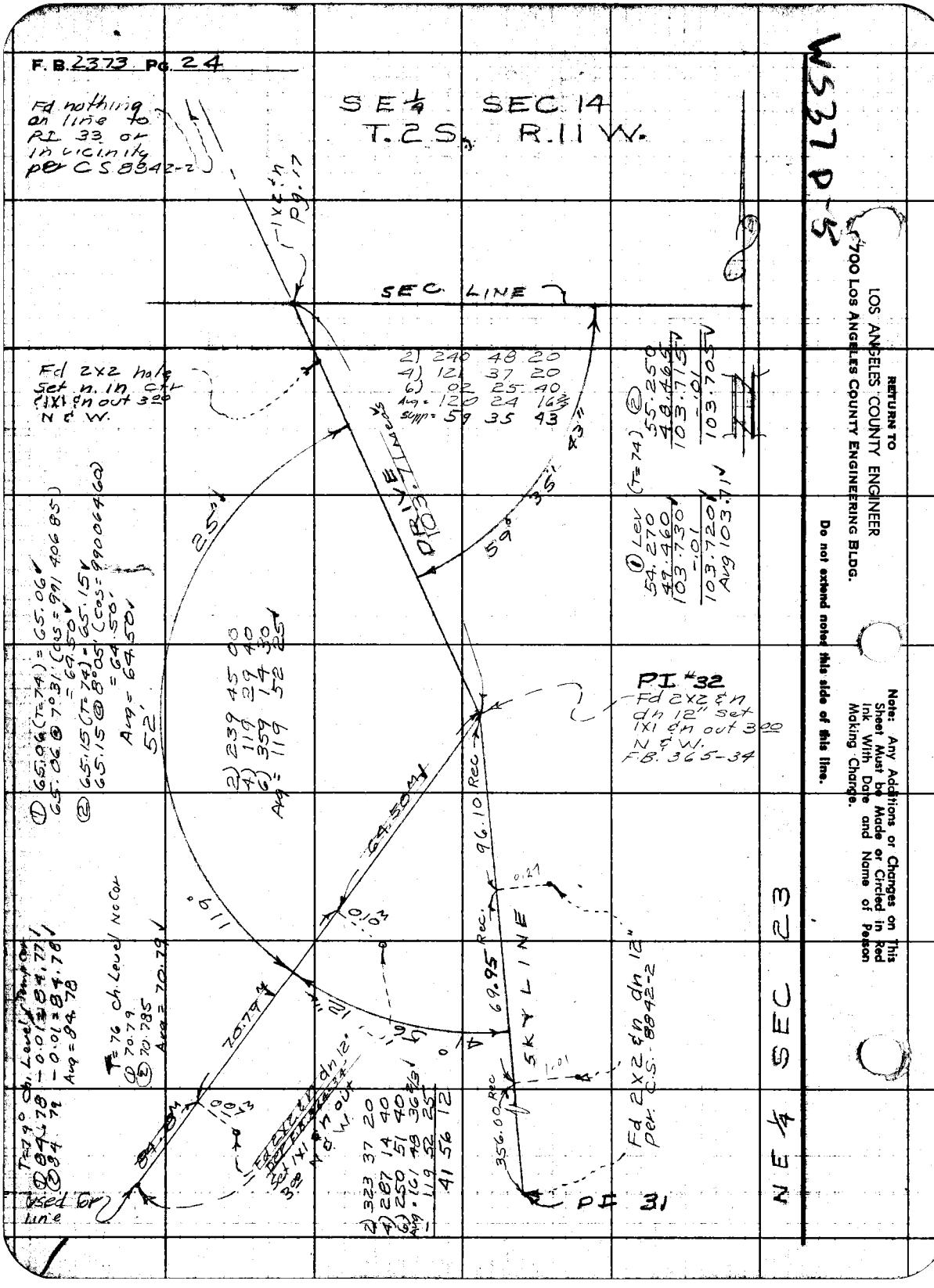
NE ¼ SEC 23

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

Survey of HADLEY ST EXT
JN00 75-5 Tape 138 Std. 64 of
Surveyed by J. H. Bloom
Notes J. H. B. Date 10-14-58
Indexed

F.B. 2378 PG. 23
S.E. ¼ SEC 14
T.2.S. R.11.W.

2335 P197


F. B. 2373 Pg. 24
SE 1/4 SEC. 14
T. 2 S. R. 11 W.
Fd nothing on line to PI 33 or in vicinity per C.S. 8842-2
1 1x2 & n Pg. 17
SEC LINE
Fd 2x2 hole set n. in ctr & 1x1 & n out 3.00 N & W.
2) 240 48 20
4) 121 37 20
6) 02 25 40
Avg = 120 24 16 2/3
Supp = 59 35 43
DRIVE 103.71 Meas
25'
59° 35' 43"
① Lev (T=74) ②
54.270 55.250
49.460 48.465
103.730 103.715
-.01 -.01
103.720 103.705
Avg 103.71
① 65.06 (T=74) = 65.06
65.06 @ 7°31' (cos = 991 406 85) = 64.50
② 65.15 (T=74) = 65.15
65.15 @ 8°05' (cos = 990 064 60) = 64.50
Avg = 64.50
52'
2) 239 45 00
4) 119 29 40
6) 359 14 30
Avg = 119 52 25
PI #32
Fd 2x2 & n dn 12" set 1x1 & n out 3.00 N & W.
F.B. 365-34
64.50 M
96.10 Rec
119°
0.10 M
0.27
69.95 Rec
SKY LINE
1.01
70.79 M
12"
56
41°
Fd 2x2 & n dn 12" per C.S. 8842-2
356.00 Rec
PI 31
T=79° Ch. Level Temp Cor
① 84.78 - 0.01 = 84.77
② 84.79 - 0.01 = 84.78
Avg = 84.78
T=76 Ch. Level No Cor
① 70.79
② 70.785
Avg = 70.79
84.8 M
Fd 2x2 & n dn 12" Set 1x1 & n out 3.00 N & W.
2) 323 37 20
4) 287 14 40
6) 250 51 40
Avg = 161 48 36 2/3
119 52 25
41 56 12
Used for line
NE 1/4 SEC 23
WS37 P-5
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76F309S CE #247—3-57

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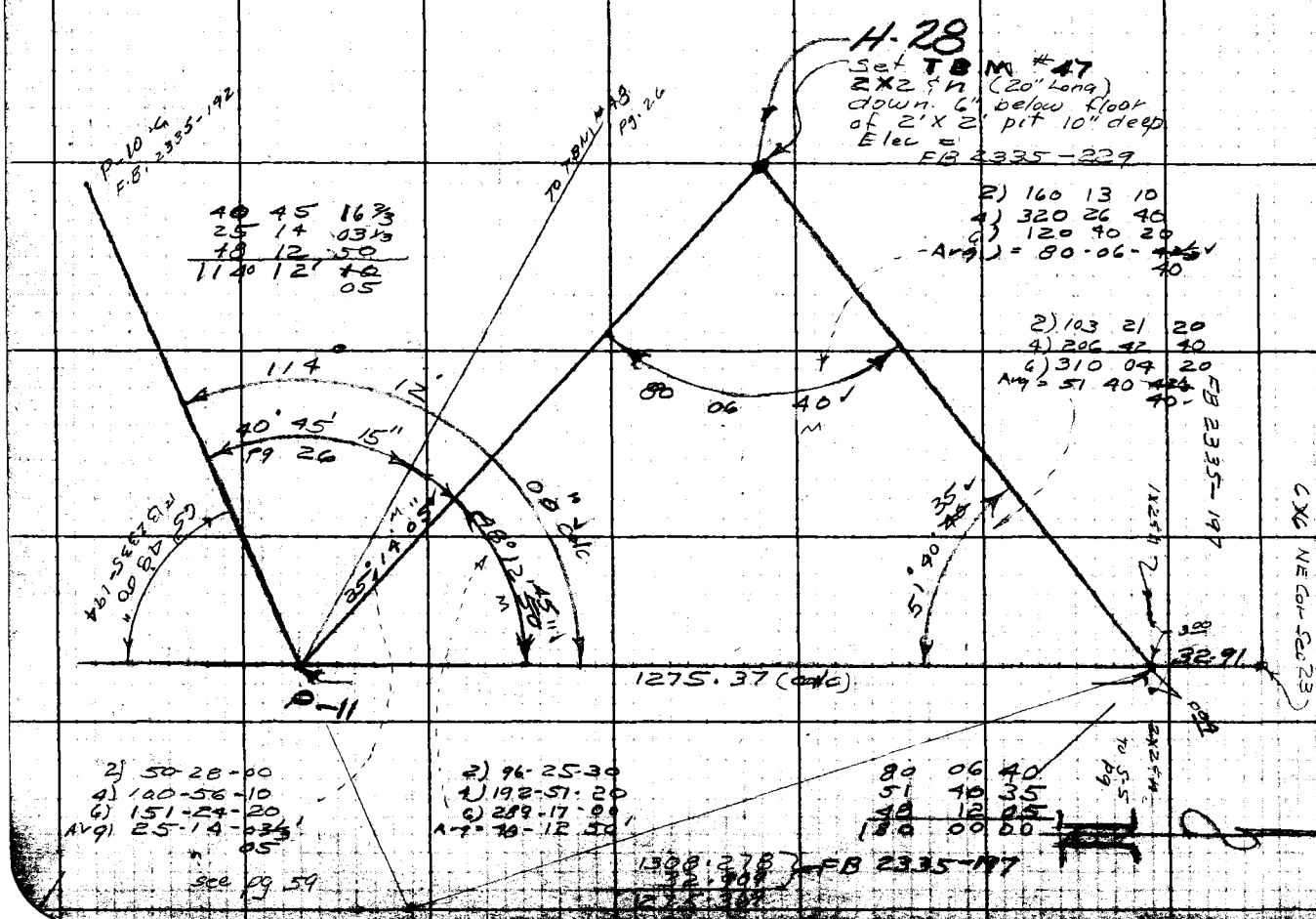
W.S. 37 D-5



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

Survey of HADLEY ST EXT
JN 00755 Tape 138 Std 84 °F
Surveyed by J. H. Brown
Notes J. H. B. Date 10-58
Indexed C. Johnson

F.B. 2373 PG. 25

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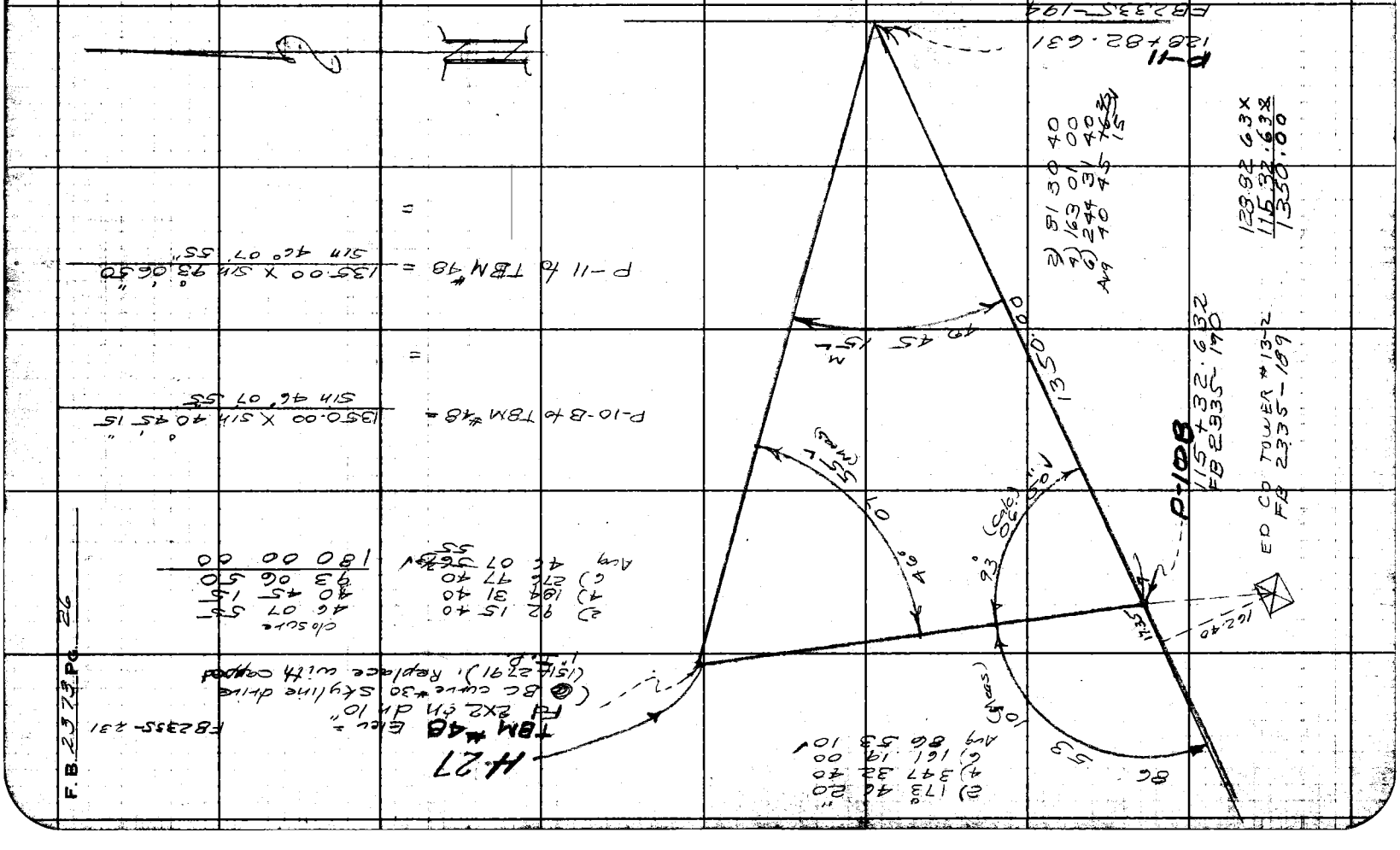

76F309S CE #247—3-57

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TRANSIT AT STATION 1x2 Pin in Aux VI F.B. 2335 PG 63 H.I. + 4.71

Sight on	Rod	+ Vertical Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Corrections	+ Difference - Elevation	Adjusted Diff. Elev.
P-7B	11.00	D-6 34 20		- 99.28			
		R-6 34 30		- 6.29			
		Avg-6° 34' 25"	818.10	- 100.57			
		Tan = .115237	correction to Aux VI	+ 0.28			
				- 100.29			
	12.00	D-6° 29' 50"		- 93.19			
		R-6 30 00	818.10	- 7.29			
		Avg-6° 29' 55"	correction to Aux VI (see space below)	- 100.48			
		Tan = .113911		+ 0.28			
				- 100.20			
Elev = 855.46 Fastwin unadj. FB 2335-211							
	Note:	Rod on 1x2 Pin 39.83 ft of Aux VI		= +	① 5.69		+ ② 5.78
		" "		Aux VI	= - 5.96		- 6.06
				diff Elev	= - 0.27		- 0.28
				Avg diff	= 0.28		
BERGER DUMPY LEVEL (Used)		Rod on Aux VI		= +	① 3.61		+ ② 3.40
		Rod on BP-3 (std. oil MON.		= -	3.96		- 3.76
		24.83 S of Aux VI			0.35		0.36
		FB 2335-62)		Avg Diff in Elev =	- 0.36		

TRANSIT AT STATION Aux VI F.B. 2335 PG 63 H.I. + 5.91

Sight on	Rod	+ Vertical Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Corrections	+ Difference - Elevation	Adjusted Diff. Elev.
R-6	12.00	D-4° 15' 00"		- 141.06			
		R-4° 14' 50"	1898.79	- 6.09			
		Avg-4° 14' 55"		- 147.15			
		Tan = .074288					
	7.00	D-4° 24' 20"					
		R-4° 24' 40"		- 146.38			
		Avg-4° 24' 30"	1898.79	- 1.09			
		Tan = .077092		147.47			
Elev = 808.47 first run unadj. FB 2335-204							

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

Survey of HADLEY ST EXT.
JN 00755 Tape Std.
Surveyed by H. H. Brown
Notes J. H. B. Date 10-14-58
Indexed A. C. Johnson

F.B. 2373 PG. 27

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TRANSIT AT STATION 1x2'n 75.73' W of B-P4 F.B. 2335 PG 24 H.I.+ 5.31

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
TP. 117 (FB 2335 pg 129) pg 24) pg 38)	12.00	D - 1°52'00" R - 1°52'00" Avg. 1°52'00 Tan = .032 591	1766.60	- 57.58 - 6.69 - 64.27			
Elev = 746.70 (1st run unadj.)	7.00	D - 2°02'00" R - 2°02'00" Avg 2°02'00 Tan .035 503	1766.60	- 62.72 - 1.69 64.41			
TBM #35 (FB 2335 pg 22 pg. 134)	1.00	D - 18°12'00 R - 18°12'00 Avg. 18°12'00 Tan .328 784	858.49	- 282.26 + 4.31 277.95			
Elev = 533.12 1st run unadj	5.00	D - 17°-57'20" R - 17-57'40" Avg. 17-57'30 Tan .324 116	858.49	- 278.25 + 0.31 277.94			

F.B. 2373 PG. 28

76F309S CE #247—3-57

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TRANSIT AT STATION P-7B F.B. 2335 PG 175 H.I.+ 5.01

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
AUX VI	12.00	D+ 7° 08' 00" R+ 7° 08' 00" Avg+ 7° 08' 00" Tan=.125.147	856.93	+107.24 - 6.99 100.25			
	8.00	D+ 6° 52' 40" R+ 6° 52' 20" Avg+ 6° 52' 30" Tan=.120571	856.93	+103.32 - 2.99 100.33			
TRANSIT AT STATION P-6 FB 2335 Pg 170 H.I 6.09							
AUX VI	12.00	D+ 4° 37' 00" R+ 4° 36' 40" Avg 4° 36' 50" Tan=.080702	1898.79	153.24 - 5.91 147.33			
	7.00	D+ 4° 28' 00" R+ 4° 27' 40" Avg+ 4° 27' 50" Tan=.078068	1898.79	148.23 - 0.91 147.32			
TRANSIT AT STATION TBM #35 FB 2335 Pg 22 & 134 H.I 4.65							
1x2 on 75.73 W of BP-4	12.00	D+ 18° 22' 40" R+ 18° 23' 00" Avg+ 18° 22' 50" Tan=.332279	858.49	285.26 - 7.35 277.91			
	7.00	D+ 18° 05' 00" R+ 18° 05' 20" Avg+ 18° 05' 10" Tan=.326582	858.49	280.37 - 2.35 278.02			

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

Survey of HADLEY ST EXT
JN 0075 SL Tape Std. of
Surveyed by J.H. Brown
Notes J.H.B. Date 10-14-58
Indexed C. Johnson

F.B. 2373 Pg. 29

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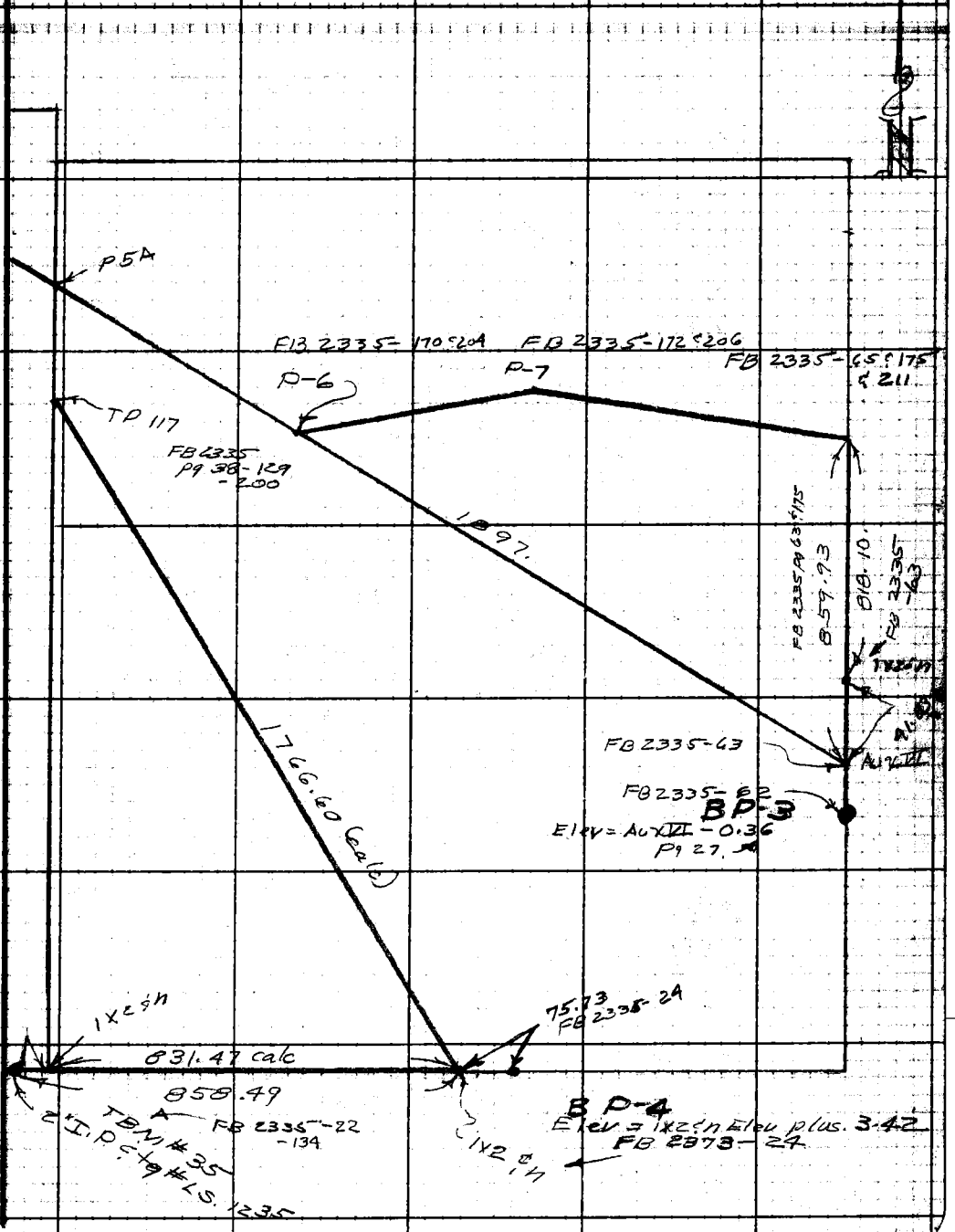
TRANSIT AT STATION T.P. 117 F.B. 2335 PG 38 & 129 H.I.+ 5.36

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
1x2 & n 75.73 W of BP.4	7.00	D+ 2° 08' 30" R+ 2° 08' 20" Avg+ 2° 08' 25" Tan = .037372	1766.60	+ 66.02 - 1.64 + 64.38			
	12.00	D+ 2° 18' 00" R+ 2° 18' 00" Avg+ 2° 18' 00" Tan = .040164	1766.60	+ 70.95 - 6.64 + 64.31			
		Rod on 1x2 & n 75.73' W of BP.4 =			+ 5.42 (1)	+ 5.24 (2)	
		Rod on BP.4			- 2.00	- 1.82	
		diff in elev			+ 3.42	+ 3.42	
		Avg diff in Elev., 1x2 & n to BP.4 =			+ 3.42		

Berger Dumpy Level & Philadelphia rod used

F.B. 2373 Pg. 30

Notes Ck'd by C. R. GOSS	Survey of Hadley St. Ext.	F. B. 2323 PG. 31
Map No.	JN 0075.51 Tape Std °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date 10-58	
Date	Indexed A. C. Johnson	



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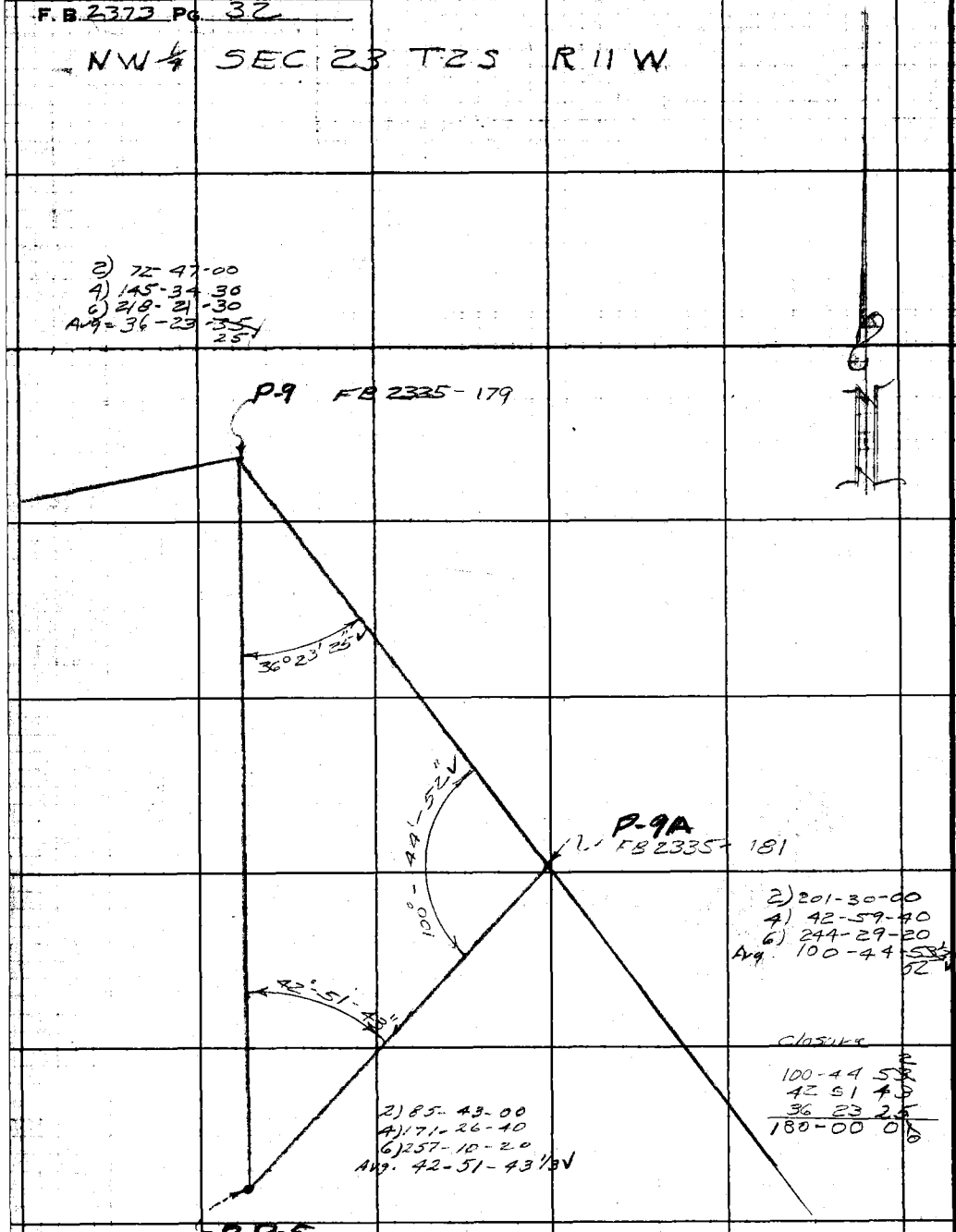
76F3095 CE #247—3-57

F.B. 2373 Pg. 32

NW 1/4 SEC 23 T2S R11W



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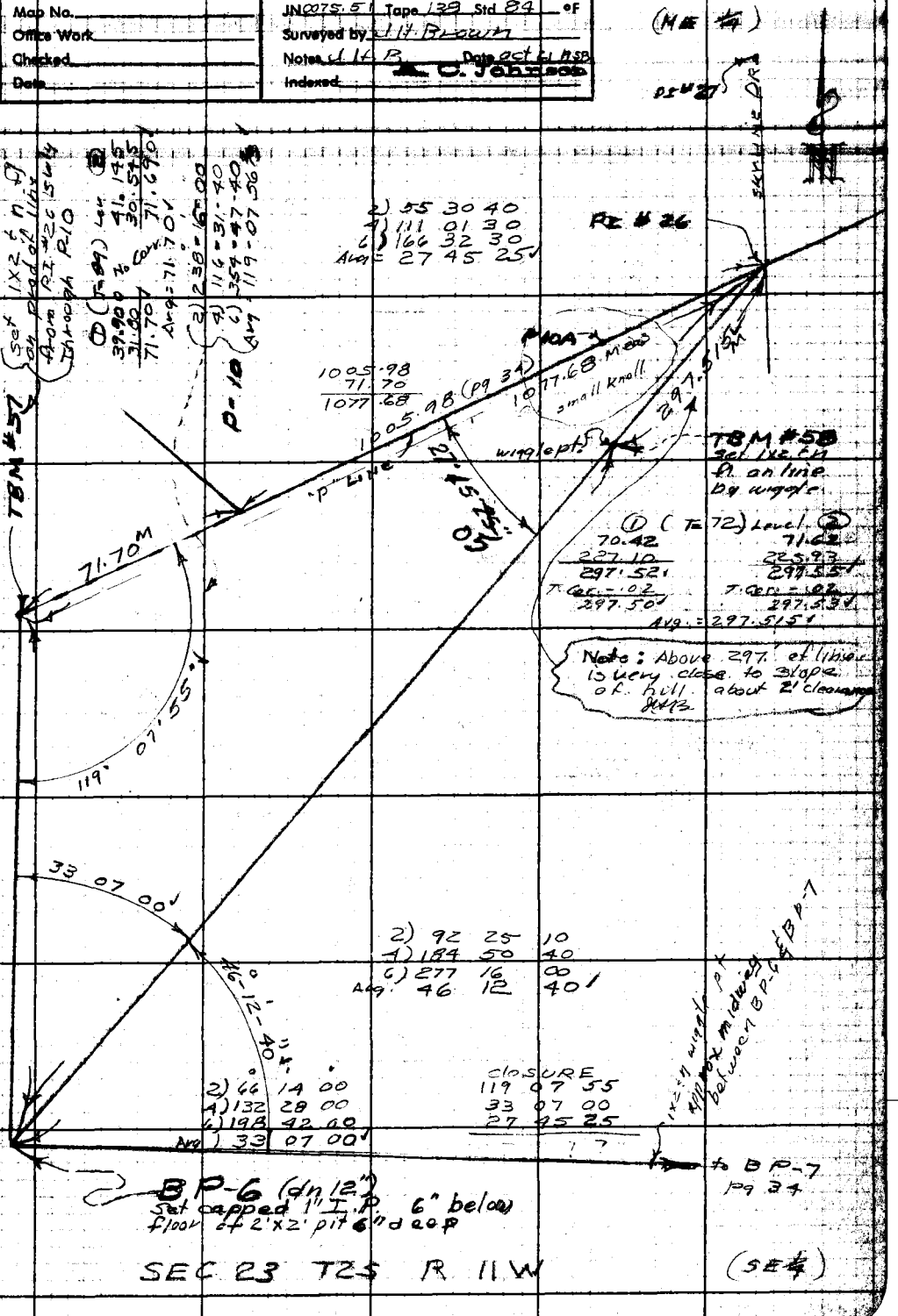
Checked
Date

Survey of HADLEY ST EXT
JN 0275.51 Tape 139 Std 84 °F
Surveyed by J. H. Brown
Notes J. H. B. Date Oct 61 HSD
Indexed K. C. Johnson

F. B. 2373 Pg. 33
(ME ¼)



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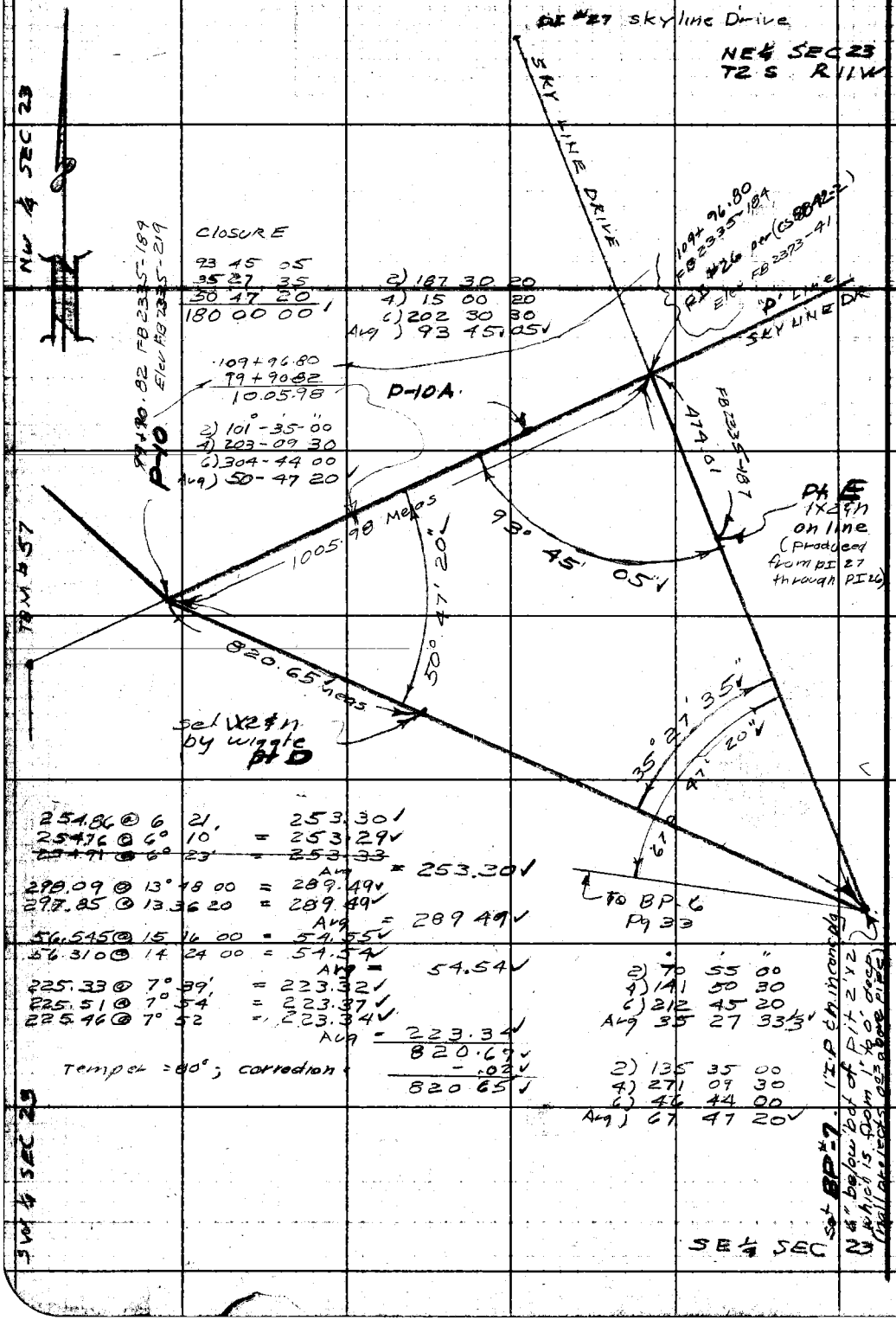
78F809S CE #247—3-57

F. B2373 Pg. 34



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TRANSIT AT STATION B P 5 F.B. 2373 PG 32 H.I.+ 5.88

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
P.9	12.00	D = -3°58'40"					
		R = -3°59'00"					
		Avg = -3°58'50"					
	7.00	D = -4°16'00"					
		R = -4°16'20"					
		Avg = -4°16'10"					
P9A	12.00	D = -4°53'40"					
		R = -4°53'20"					
		Avg = -4°53'30"					
	7.00	D = -5°22'00"					
		R = -5°22'00"					
		Avg = -5°22'00"					

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

Survey of HADLEY ST EXT
JN 0075-51 Tape Std °F
Surveyed by J. H. Brown
Notes J. H. B. Date 10-22-58
Indexed A. C. Johnson

F.B. 2373 PG. 35

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TRANSIT AT STATION P-9 F.B. 2373 PG 32 H.I. + 5.39

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP5	12.0	D = + 4° 43' 00"					
		R = + 4° 43' 20"					
		Avg = + 4° 43' 10"					
	7.0	D = + 4° 26' 00"					
		R = + 4° 26' 00"					
		Avg = + 4° 26' 00"					
TRANSIT AT		STATION P-9-A	FB	2373	PG 32	HI + 6.05	
BP5	12.0	D = + 6° 02' 40"					
		R = + 6° 03' 00"					
		Avg = + 6° 02' 50"					
	7.0	D = + 5° 34' 00"					
		R = + 5° 34' 20"					
		Avg = + 5° 34' 10"					

F.B. 2373 PG. 36

76F309S CE #247—3-57

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TRANSIT AT STATION TBM #57 F.B. 2373 PG 33 H.I. + 5.36

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP 6	12.00	D = -15°12'20"					
		R = -15°12'00"					
		Avg = -15°12'10"					
	7.00	D = -15°29'20"					
		R = -15°29'40"					
		Avg = -15°29'30"					
BERGER DUMPY LEVEL & PHILADELPHIA RODS #283		Rod on P-10 =		±	①	±	②
		Rod on TBM 57 =		±		±	
		diff					
		Avg diff elev P-10 to TBM 57 =					
	(FB 2335-220)	Elev P-10 =		1035.21 (1st run unadj.)			
		Elev TBM 57 =					
TRANSIT AT STATION TBM #58 FB 2373 PG 33 H.I. + 5.06							
BP6	12.00	D = -11°44'40"					
		R = -11°44'40"					
		Avg = -11°49'40"					
	7.00	D = -11°56'40"					
		R = -11°56'20"					
		Avg = -11°56'30"					
Berger Level (dumpy) & PHIL. rod #283		Rod on P-10 =		+ 5.85 ①		6.15 ②	
		Rod on TBM #57 =		- 3.03		- 3.32	
				2.82		2.83	
		From P-10 to TBM #57		Avg = +2.82 = diff in elev			

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

Survey of HADLEY ST EXT
JN 0075-57 Tape Std °F
Surveyed by J. H. Brown
Notes J. H. B. Date 10-58
Indexed C. Johnson

F.B. 2373 PG. 37

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TRANSIT AT STATION BP 6 F.B. 2373 PG 33 H.I. + 6.02

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
TBM #37	12.00	D = + 15° 56' 00"		+ - 5.98 +			
		R = + 15° 56' 00"					
		Avg = + 15° 56' 00"					
	7.00	D = + 15° 38' 00"		+ - 0.98 +			
		R = + 15° 37' 40"					
		Avg = + 15° 37' 50"					
TBM #38	12.00	D = + 12° 14' 20"		+ - 5.98 +			
		R = + 12° 14' 20"					
		Avg = + 12° 14' 20"					
	7.00	D = + 12° 02' 40"		+ - 0.98 +			
		R = + 12° 02' 40"					
		Avg = + 12° 02' 40"					
TRANSIT AT STATION BP 7 FB 2373 PG 34 HI + 5.80							
Pt D	12.00	D = + 9° 25' 00"		+ - 6.20 +			
		R = + 9° 25' 20"					
		Avg = + 9° 25' 10"					
	7.00	D = + 9° 07' 00"		+ - 1.20 +			
		R = + 9° 06' 40"					
		Avg = + 9° 06' 50"					

F.B. 2373 PG. 38

76F309S CE #247—3-57

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TRANSIT AT STATION BP 7 F.B. 2373 PG 34 H.I. + 5.90

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
Pt E	12.00	D = +14°-27'-00" R = +14°-26'-40" Avg = +14°-26'-50"		+ 6.20			
	7.00	D = +14°-08'-20" R = +14°-08'-00" Avg = +14°-08'-10"		+ 1.20			
TRANSIT AT STATION			Pt D	FB 2373	PG 34 & 42	HI + 5.15	
BP-7	12.00	D = -8°-36'-40" R = -8°-36'-20" Avg = -8°-36'-30"					
	7.00	D = -8°-55'-20" R = -8°-55'-00" Avg = -8°-55'-10"					
TRANSIT AT STATION			Pt E	FB 2373	PG 34 & 41	HI + 4.95	
BP-7	12.00	D = -13°-37'-40" R = -13°-37'-20" Avg = -13°-37'-30"		+ 7.05			
	7.00	D = -13°-56'-40" R = -13°-56'-20" Avg = -13°-56'-30"		+ 2.05			

Notes Ck'd by C. R. GOSS
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Office Work
Checked
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Survey of HADLEY ST EXT
JN 0025 SL Tape Std °F
Surveyed by J. H. Brown
Notes U.H.B. Date 10-22-58
Indexed R. C. Johnson

F.B. 2373 PG. 39

F.B. 2373 PG. 40

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TRANSIT AT STATION _____ F.B. _____ PG _____ H.I. + _____

Sight on -Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
The following Line of single-run Levels were run to establish elevations on PI #26; Pt. E, Pt D & TBM #58 Rod used was Philadelphia # 283. Levelman read rod direct & then rodman set target as check. Rod was checked at 7' & 12' by measuring with tape & no error detected.						
Level: B. NUNEZ.		Rod: H.C. Reuter				

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	~~3RD RUN~~ total diff.	ADJ. ELEV.	DESCRIPTION
Fd TP 337	1080.855	✓				TP 337 Elev = 1080.855 1st run [illegible]
+	5.295					FB 2335-221. ON main ridge of [illegible]
⊼	.	-2.555				HILLS in a saddle 373' NW of ED. CO. tower
−	7.850					#13-2.9 NE of dirt road. A wiggle pt
[illegible]	[illegible]					on "P" Line & skyline drive between
						[illegible] #26 as shown C.S. 8842-2
						& shown as 111+42.217 FB 2335-188
						A 1X2 & n flush with bot of 3'X3' pit 10" deep.
Set PI 26	1073.30 ✓			-2.5[illegible]		RI #26 Elev =
+	3.000					2-1X2s (nailed together) & n dn 10"
⊼		-8.380				[illegible] C.S. 8842-2 & FB 2335-187
−	11.380					& FB 2373-34
TP						1X2
+	[illegible]					
⊼		-8.16[illegible]				
−	10.951					
TP						
+	4.033					
⊼		-5.422	-31.979			
−	[illegible]					
Set Pt E	1056.32 ✓			-24.54		Pt E. Elev =
+	5.3[illegible]					1X2 & n up 2' top ridge.
⊼		-6.010				FB 2335-187 & FB 2373-34
−	11.403					
TP						
+	10.3[illegible]					
⊼		-0.747				
−	11.018		0.757			

NOTES RED. ____ JOB NO. 0075.51 SURVEY OF MADLEY ST EXT
DATE ____ SURVEY BY [illegible] DATE 10-24-58
NOTES CHKD. C. R. GOSS NOTES BY [illegible] DATE 10-24-58
DATE ____ INDEXED [illegible] C. Johnson DATE 11-6-58

F. B. 2373 PG. 41

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	~~3RD RUN~~ TOTAL	ADJ. ELEV.	DESCRIPTION
TP	[illegible]		(6.76)	diff		1X2
+	2.80					
⊼		-8.05				
—	10.85					1X2
TP						
+	1.04					
⊼		-9.06				
—	10.10					
TP						1X2
+	0.20					
⊼		-11.09				
—	11.29					
TP						1X2
+	0.32					
⊼		-10.88				
—	11.20					
TP						rock
+	0.35					
⊼		-9.94				
—	10.29					
TP						
+	0.58					
⊼		-10.17				
—	10.75					
TP						1X2
+	2.00		6.37			
⊼		-7.18	73.15			
—	9.18					
PD	983.19 ✓			-97.67		Pt "D" Elev = 1X2 & two headed nail wage pt between BP-7 & P-10 FB 2373-34.

JOB NO. 0075.51 SURVEY OF HADLEY STEET NOTES RED
SURVEY BY J.H. Brown DATE
NOTES BY J.H. B.&B. Munez DATE 10-24-58 NOTES CHKD.
INDEXED J. C. Johnson DATE DATE

F.B. 2373 PG. 42

769420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN Total diff.	ADJ. ELEV.	DESCRIPTION
PL "D"	983.19			-97.67		1X2 (two h[illegible])
+	9.30					
+						
-	2.12					
TP						1X2
+	10.93					
+		[illegible]				
	0.76					
+						1X2
+	10.25					
+		[illegible]				
-	0.30					
TP						1X2
+	11.45					
+		[illegible]				
-	0.56					
TP						1X2
+	11.14					
-		[illegible]				
-	0.04					
TP						1X2
+	11.51					
+		+9.63				
-	1.88					
TP						1X2
+	11.23					
+		+9.86				
-	1.37					
TP						1X2
			(68.78)			

NOTES RED _____ JOB NO. 2015151 SURVEY OF HADLEY ST EXT
DATE _____ SURVEY BY J.H. BROWN
NOTES CHKD _____ NOTES BY J.H. & B. NUNEZ DATE 10-24-58
DATE _____ INDEXED L.C. [illegible] DATE _____

F.B. 2373 Pg. 43

JOB NO. 0075.51 SURVEY OF Hadley St. Ext. NOTES RED. DATE
SURVEY BY J.H. Brown
NOTES BY J.H.B. & B. Nunez DATE 10-24-58 NOTES CHKD. DATE
INDEXED J. C. Jobson DATE

765420 S & E-353 4-54

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

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

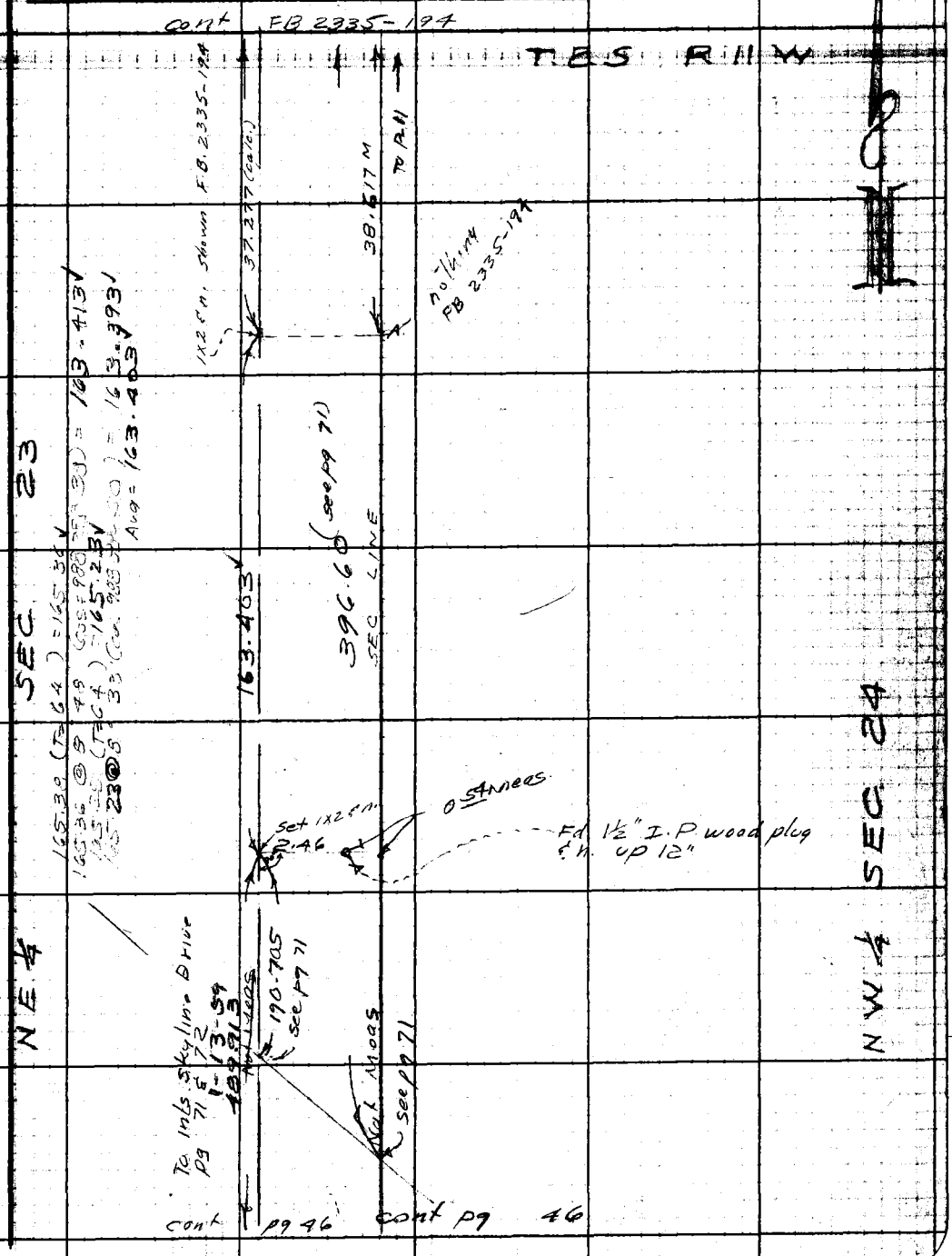
Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN Total diff	ADJ. ELEV.	DESCRIPTION
T.P.			+5.78	(97.67)		1x2
+	10.76					
⊼		[illegible]				
−	4.30					
T.P.						1x2
+	10.39					
⊼		[illegible]				
−	0.43					
T.P.						1x2
+	10.05					
⊼		9.11				
−	0.54					
T.P.						2
+	8.39					
⊼		7.78	39.31			
set −	0.61		(+102.09)	+102.09		
TBM 58	1085.28 ✓			+4.42		[illegible] ad Nail
+	10.44					1x2 c.e. headed nail wigglept on line between
⊼		+8.86				PI #26 & BP-6.
−	1.58					
T.P.				+9.72		
+	7.12					
⊼		+[illegible]				
	6.26		(+9.72)			
P-10-A	1095.00 ✓			+14.14		P-10A Elev = 1094.97 1st run Chadi. FB2373-220

1080.86
+14.14
1095.00
1094.97
.03

F.B. 2373 Pg. 44

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT	F. B. 2373 Pg. 45
Map No.	JN 0075.51 Tape 138 Std 84 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date Oct 58	
Date	Indexed C. Johnson 11-6-58	



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

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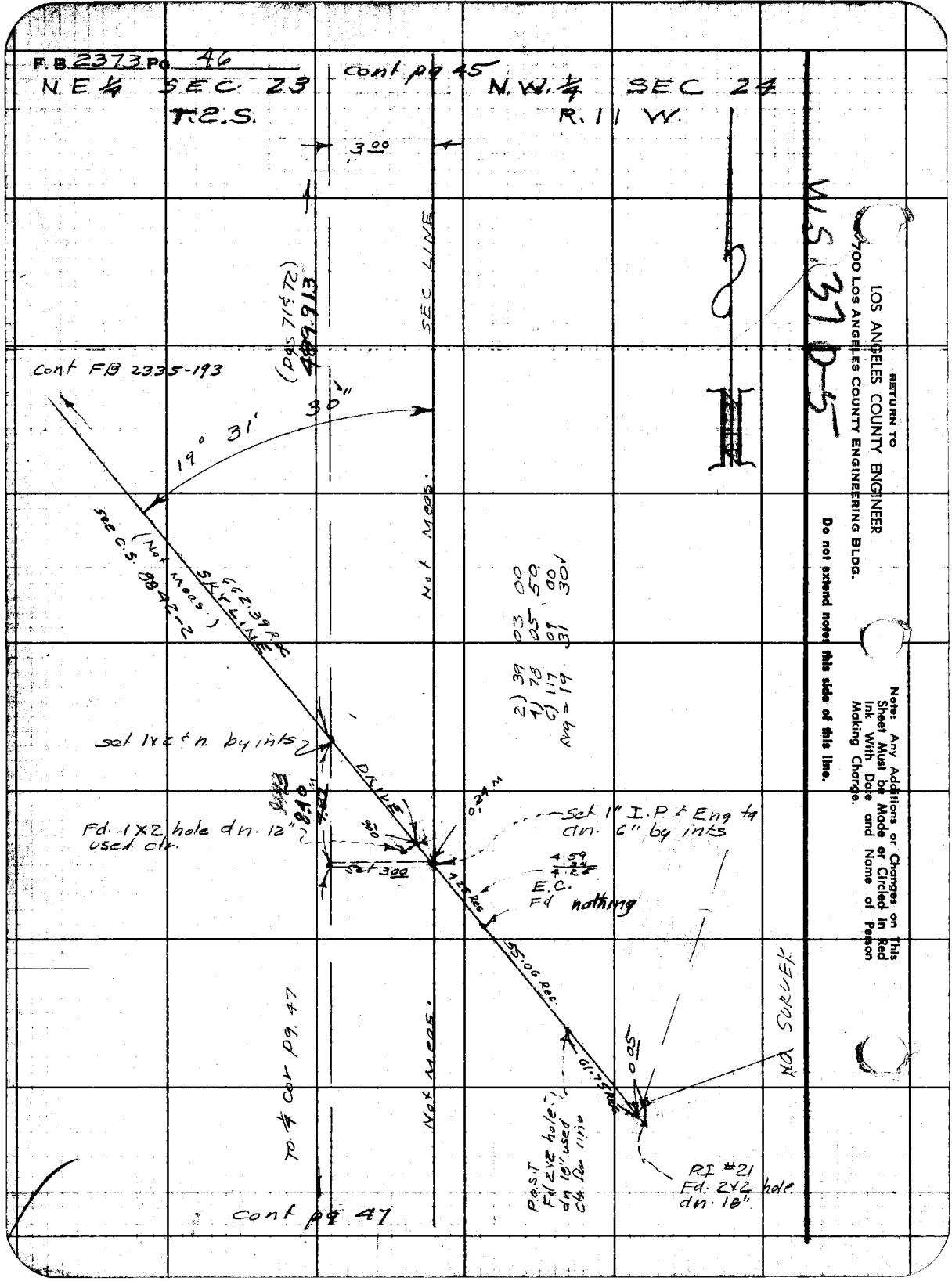
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57


F.B. 2373 Pg. 46
N.E. 1/4 SEC 23
T.2.S.
cont pg 45
N.W. 1/4 SEC 24
R.11 W.
3.00
SEC LINE
(pgs 71 & 72)
489.913
cont FB 2335-193
19° 31' 30"
Not Meas.
(Not Meas.)
see C.S. 8842-2
SKYLINE
662.39 Rec.
2) 39 03 00
4) 78 05 50
6) 117 09 00
Ng = 19 31 30
set 1x2 & n. by ints
DRIVE
Fd. 1X2 hole dn. 12" used ctr.
Set 1" I.P. & Eng ta dn. 6" by ints
Set 3.00
4.59
E.C.
Fd nothing
55.06 Rec.
NO SURVEY
0.05
P.O.S.T. Fd 2x2 hole dn 18" used ctr. for line
PI #21
Fd. 2x2 hole dn. 18"
To 1/4 cor pg. 47
cont pg 47
W.S. 37 D-5
RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.
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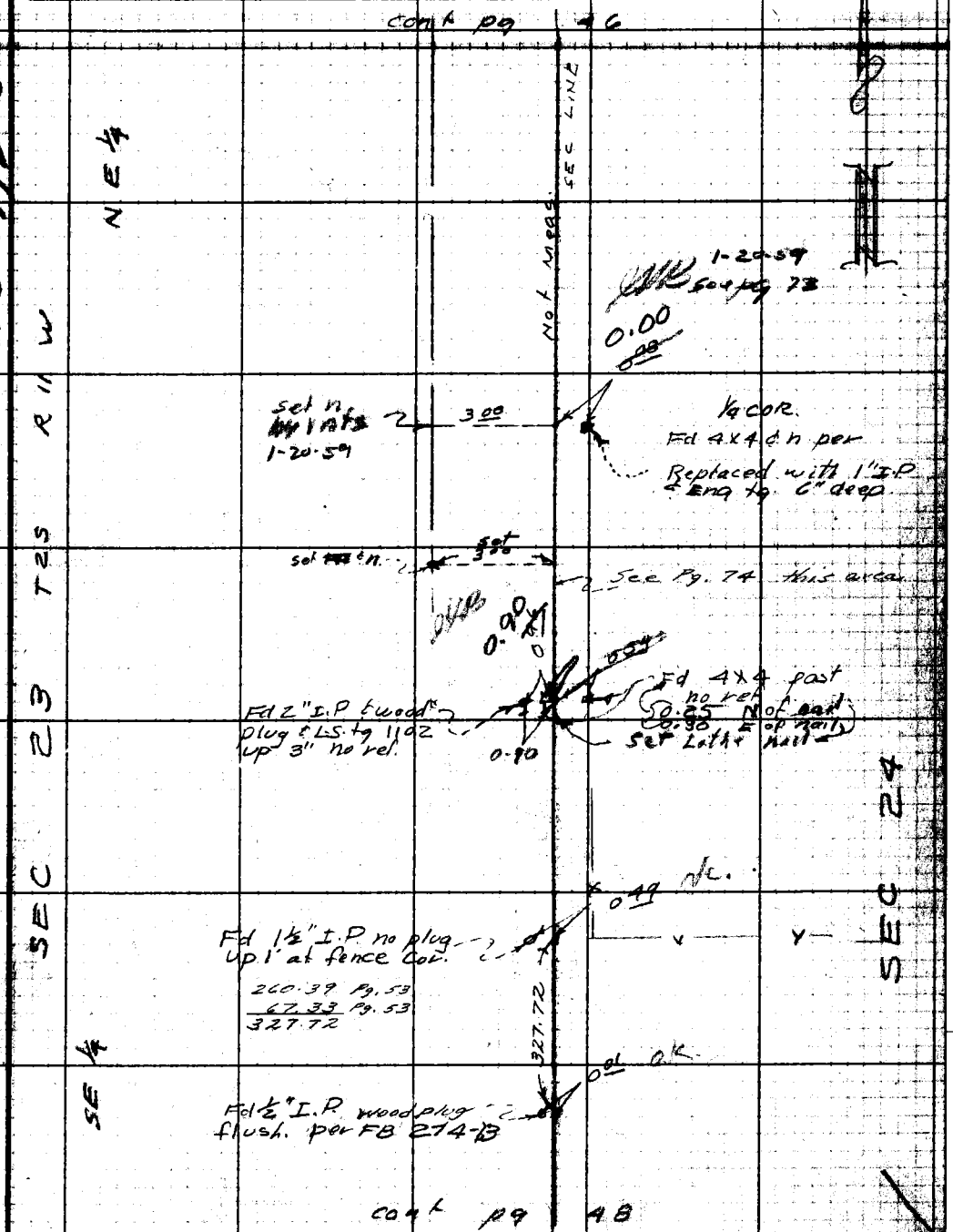
Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	IN0075.5 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date Oct 58
Date	Indexed [illegible]

F. B. 2373 PG. 47

cont pg 46



cont pg 48

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

F. B. 2373 PG. 48

cont. pg 47

SEC 23
T2S

SEC 24
R 11 W

WS370-5

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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N

Not Meas SEC LINE

Fd 3½" I.P conc plg & spk. fl.
(East of bottom of 2" I.P. up 3' Leaning East)
FB 274

189' stadia

Fd. charred 4x4 post
No ref

Fd charred 4x4 post
No ref

No SURVEY

No SURVEY

Fd 3½" I.P. conc plug & spk. fl.
FB 274

SE Cor SEC 23

Fd. charred 4x4 post.
No ref.

NO SURVEY

SEC 26

SEC 25

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT	F. B. 2373 Pg. 49
Map No.	JN 0075.51 Tape 438 SH 194 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B Date 1-59	
Date	Indexed E. C. Johnson 2-4-59	

HADLEY ST. EXT.

POINTS FOR PHOTOGRAMETRIC CONTROL
& CONNECTION to Lutheran Ave. Control
by triangulation & vertical angles.

J. N. 0075.51

JANUARY 1959

PARTY:
J. H. Brown
K. M. Kapp
E. Shoemaker
B. Nunez
E. Martinez
R. Clifford

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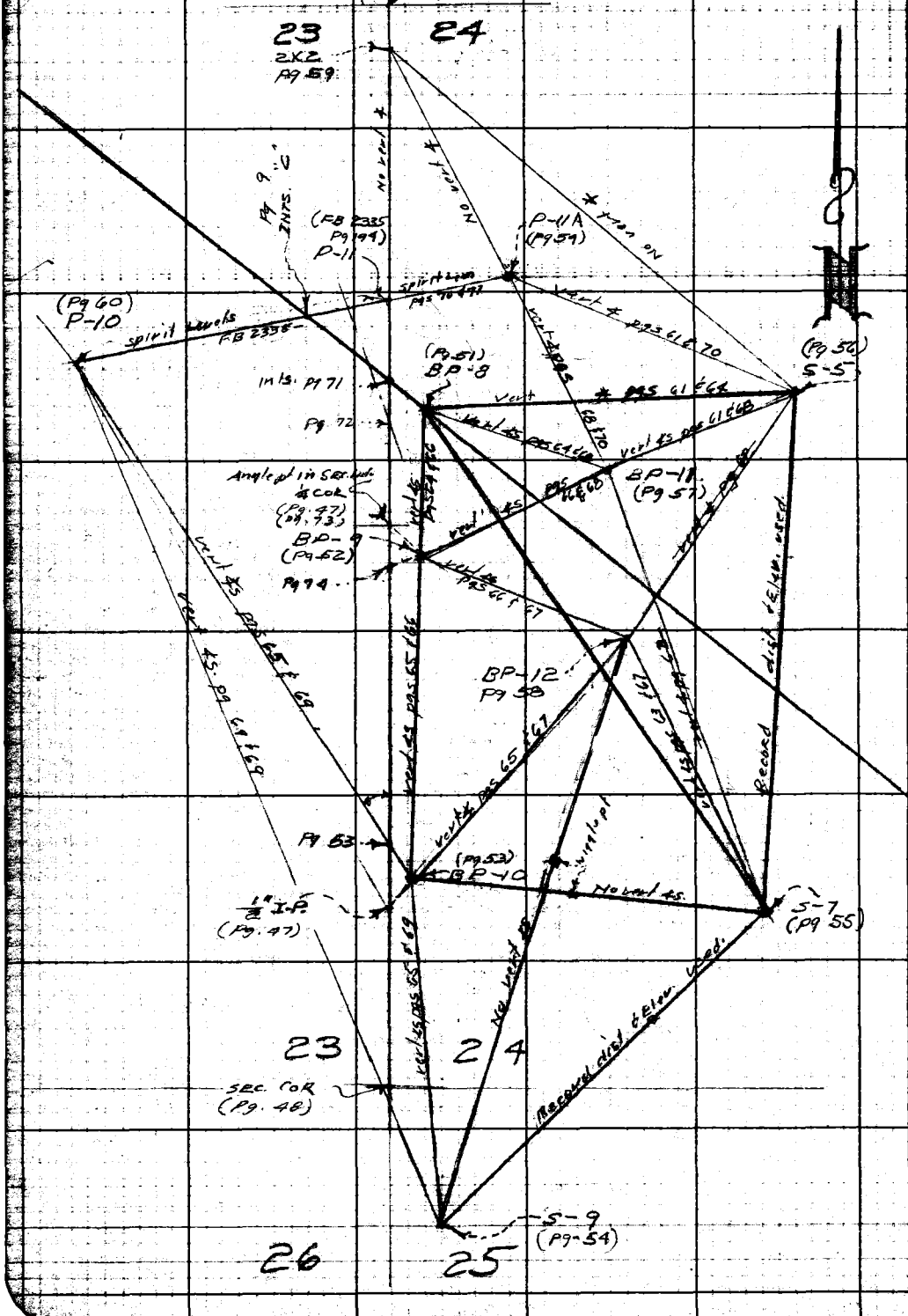
900 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247—7-55

F.B. 2373 Pg. 50

T. 2 S R. 11 W.



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700 Los Angeles County Engineering Bldg.

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Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	IN 0235 Tape 188 Stn 94 °F
Office Work	Surveyed by J.H. Brown
Checked JAM	Notes J.H.B Date 1-9-59
Date	Indexed A. C. Johnson

F. B. 2373 PG. 51

NW ¼ SEC 24 T 2 S R 11 W

BP-8
Set 1" IP & B/spk.
4" below floor of
2'x2' pit 1ft deep.
Set by wiggle on line
between "WHITTIER L-1"
"LA HABRA D-4"

2) 78 34 20
4) 157 09 00
6) 235 43 20
Avg) 39 17 13½

2) 21 42 10
4) 17 35 03
6) 39 17 13

Re-run 1-19-59
2) 281 25 50
4) 202 51 50
6) 129 18 00
Avg 140 43 00

2) 43 24 10
4) 86 48 40
6) 130 13 00
Avg) 21 42 10

(windy)
2) 35 10 20
4) 70 20 00
6) 105 30 20
Avg) 17 35 03½

Re-run 1-19-59
2) 35 10 00
4) 70 19 20
6) 105 29 10
Avg) 17 34 51½

(windy)
2) 281 25 10
4) 202 50 30
6) 129 15 50
Avg 140 42 38½

Re-run 1-19-59
2) 244 50 20
4) 129 41 10
6) 14 32 00
Avg) 122 25 20

2) 244-50-40
4) 129-41-40
6) 14-32-40
Avg 122-25-20½

2) 47 36 00
4) 95 12 00
6) 142 48 00
Avg) 23 48 00

Re-run 1-19-59
2) 47 35 50
4) 95 11 30
6) 142 47 20
Avg) 23 47 53½

2) 67 33 20
4) 135 07 10
6) 202 40 30
Avg) 33 46 45

1-19-59
2) 150-19-00
4) 300-38-00
6) 90-56-50
Avg. = 75-09-28⅓

TO WHITTIER L1 (WORKMAN HILL) PG 12

LINE TO P-11A

TO LA HABRA D4 PG 9

TO BP-11 PG 57

TO BP-9 PG. 52

TO L-5 PG 42

Vert. & Pos. 64+61

Vert. & Pos. 64+61

Vert. & Pos. 64+61

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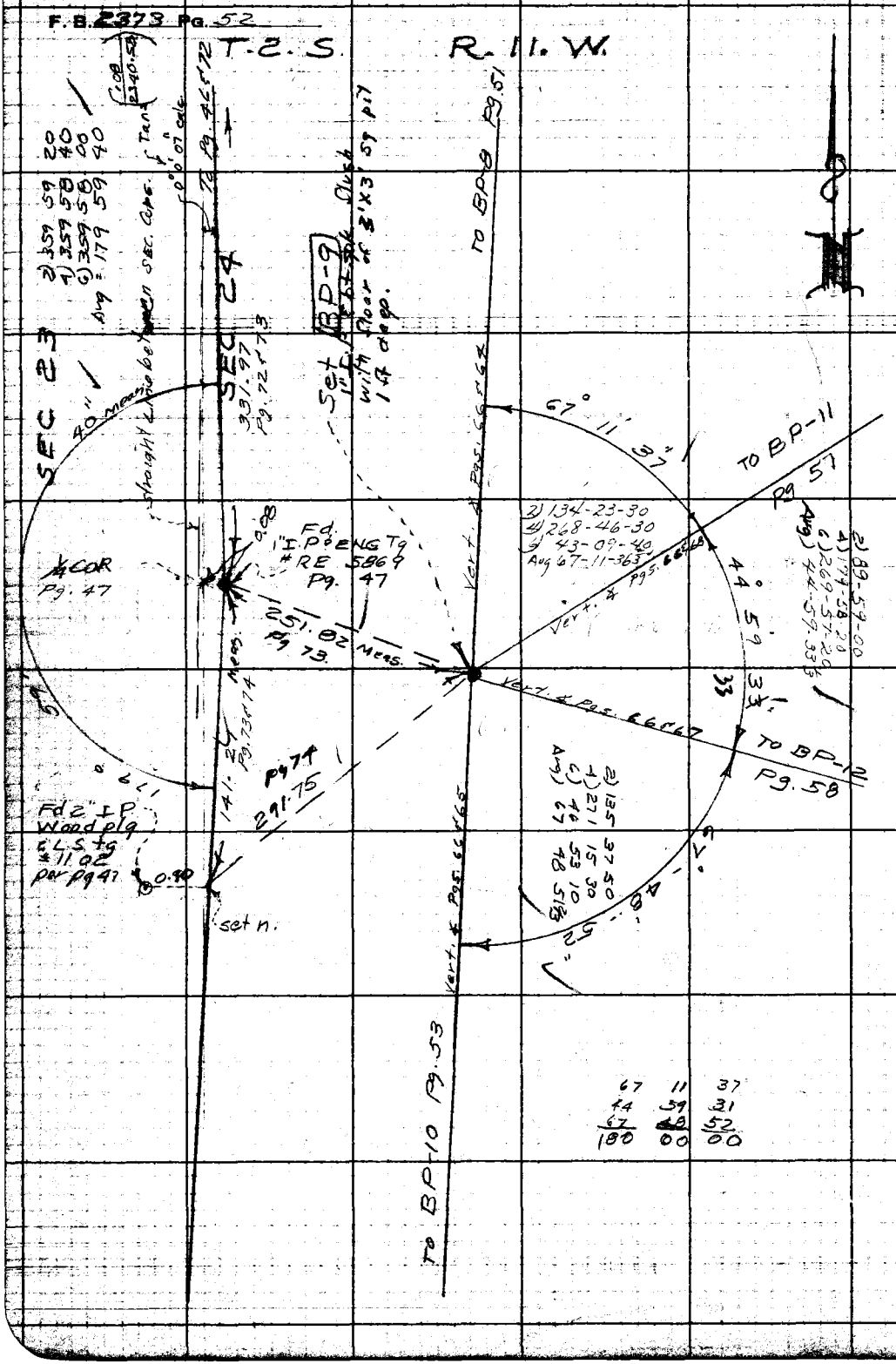
00 LOS ANGELES COUNTY ENGINEERING BLDG.

CE #247—7-53



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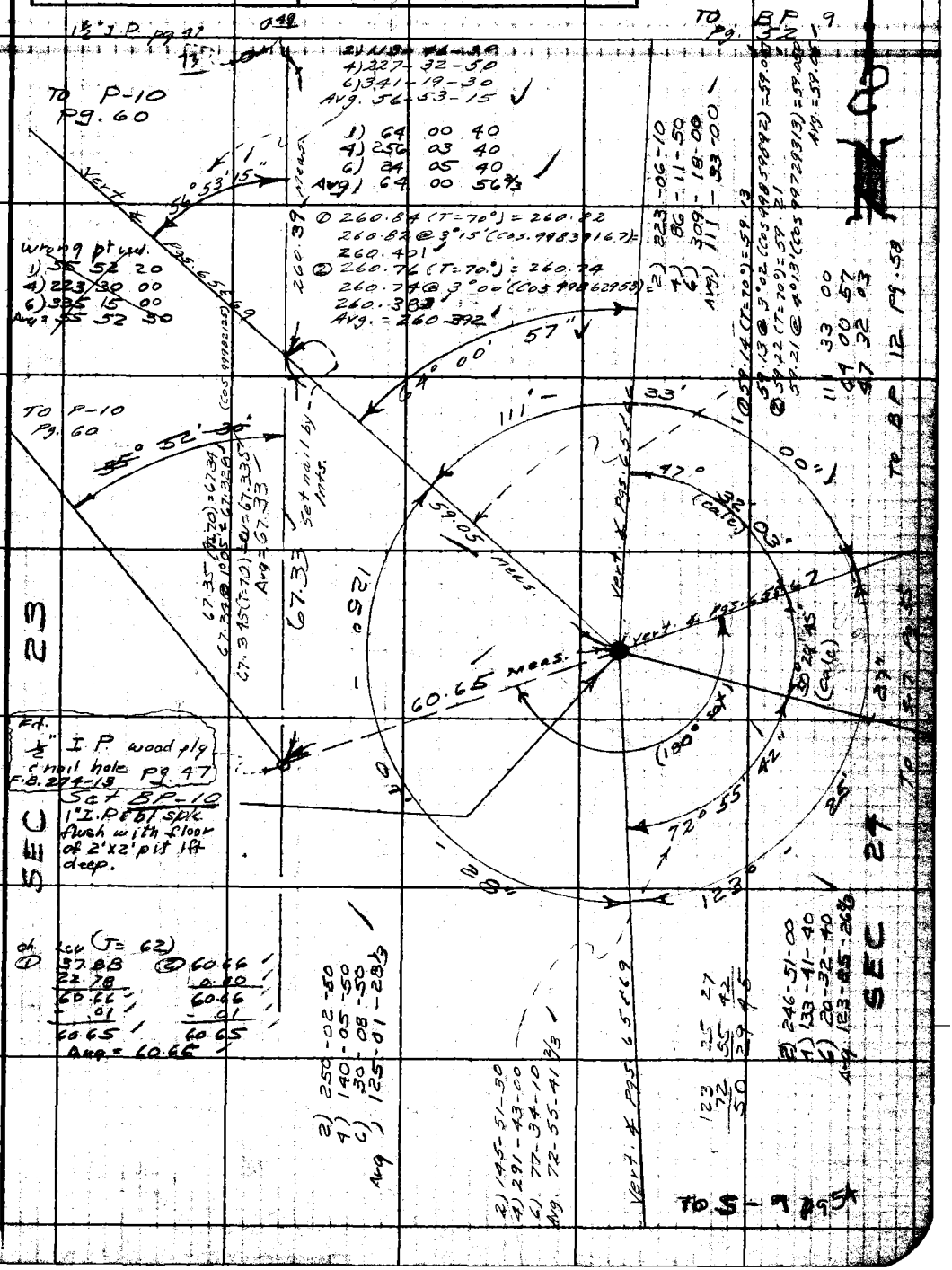
Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT	F. B 2373 Pg. 53
Map No.	IN 0 75 51 Tape 18 B Std. 84 °F	
Office Work	Surveyed by J H Brown	
Checked	Notes J H B Date 1-9-59	
Date	Indexed C. Johnson	



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

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400 LOS ANGELES COUNTY ENGINEERING BLDG.

768095 CE #247—7-58

F.B. 2373 Pg. 54

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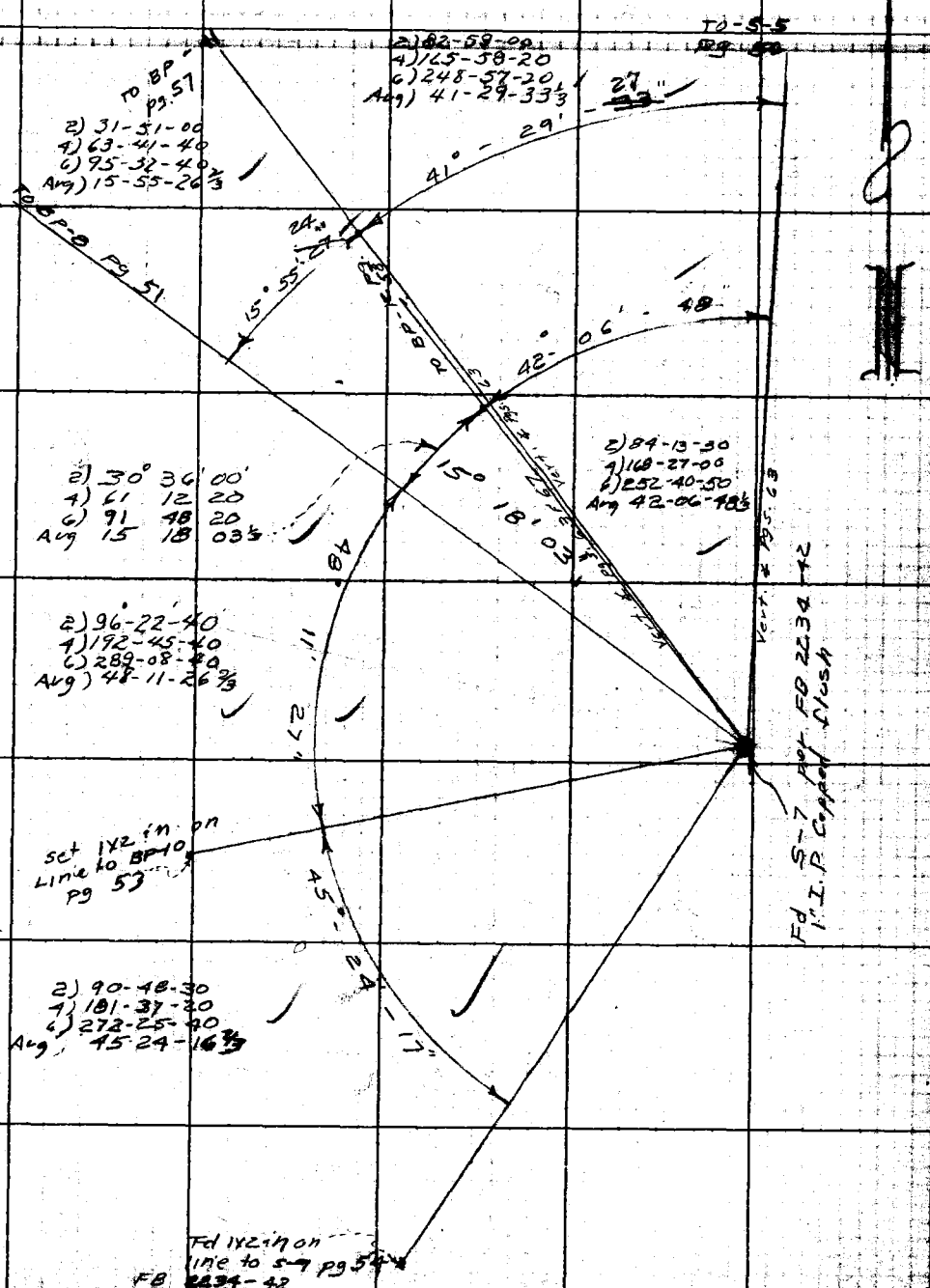
Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	IN 2275.51 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 1-9-59
Date	Indexed K. C. Johnson

F. B. 2373 PG. 55

SEC 24
T 2 S
R 11 W.



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

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RETURN TO
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100 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-58

F.B. 2373 PG. 56

SEC 24 T2S R11W

14°	45'	07
15	40	10
10	07	38
24	24	47
24	57	50
270	04	43
360	00	15

2) 540 - 09 - 40
4) 360 - 19 - 00
6) 180 - 28 - 20
Avg. 270 - 04 - 43⅓

To 2x2 on SEC line (32.91' South of NW COR SEC 24) Pg. 59

2) 29 - 30 - 20
4) 59 - 00 - 30
6) 88 - 30 - 40
Avg = 14 - 45 - 06⅔

To B-11A Pg 59

2) 31 - 20 - 30
4) 62 - 40 - 30
6) 94 - 01 - 00
Avg) 15 - 40 - 10

To BP-8 Pg. 51

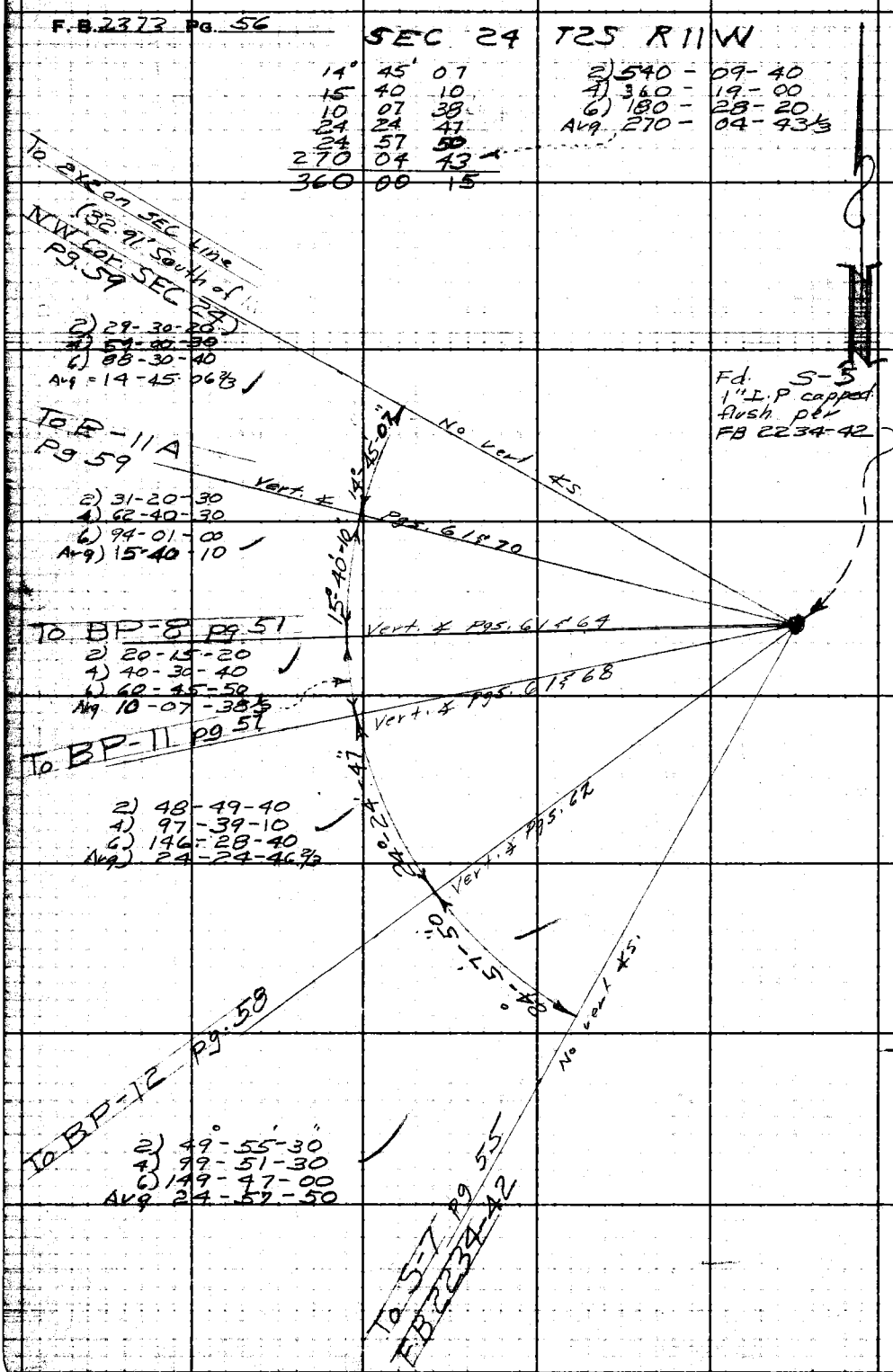
2) 20 - 15 - 20
4) 40 - 30 - 40
6) 60 - 45 - 50
Avg 10 - 07 - 38⅓

To BP-11 Pg. 57

2) 48 - 49 - 40
4) 97 - 39 - 10
6) 146 - 28 - 40
Avg) 24 - 24 - 46⅔

To BP-12 Pg. 58

2) 49° - 55' - 30"
4) 99 - 51 - 30
6) 149 - 47 - 00
Avg 24 - 57 - 50



RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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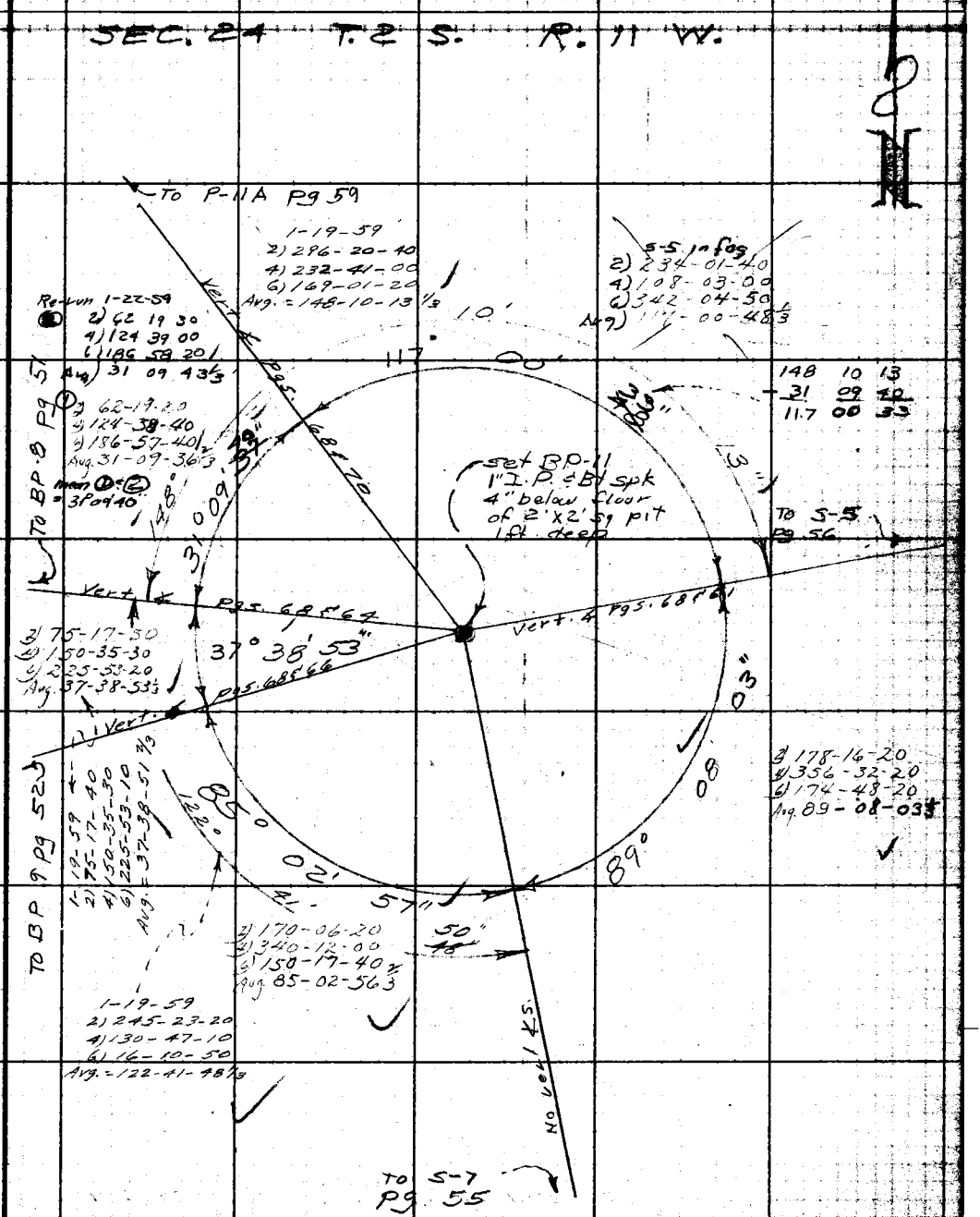
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST. EXT.
Map No.	IN0075.51 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J.H.B. Date 1-9-59
Date	Indexed C. Johnson

F. B. 2373 Pg. 57



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

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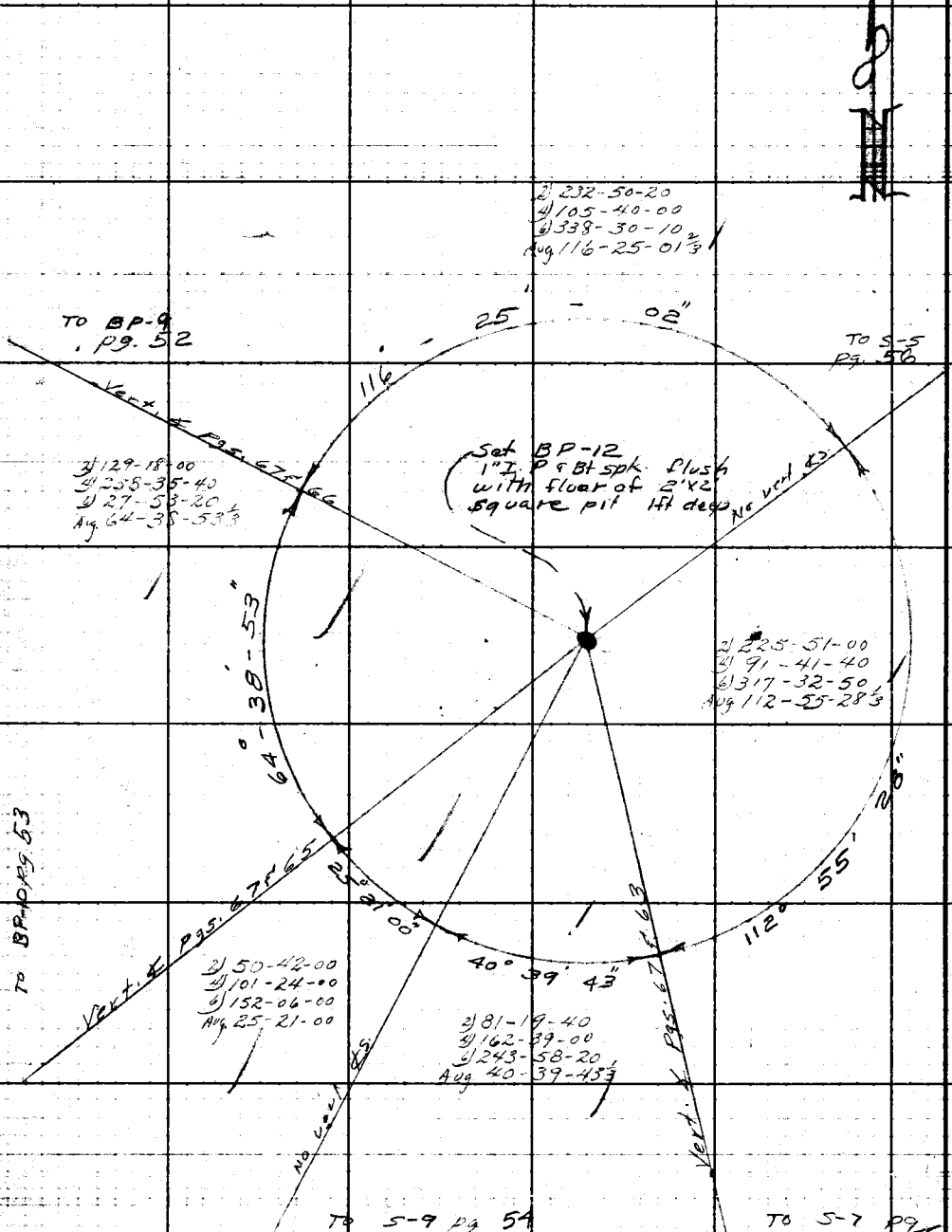
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

768098 CE #247—7-53

F.B. 2373 PG. 58

SEC 24 T 2 S R 11W



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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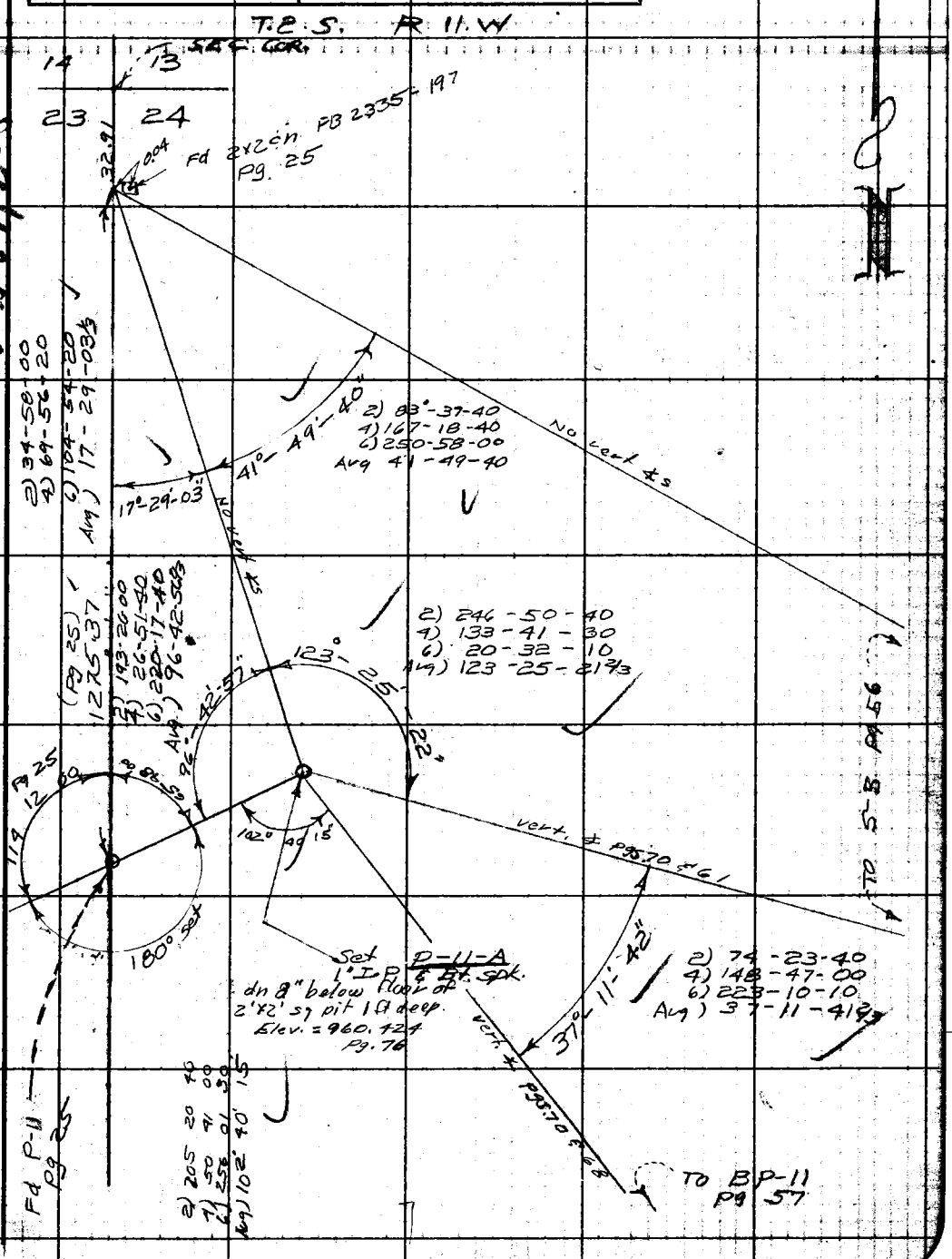
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN 0975.5 Tape #38 Std. 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 1-8-59
Date	Indexed A. C. Johnson

F. B. 2373 PG. 59



W.S. 37, D-5

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RETURN TO
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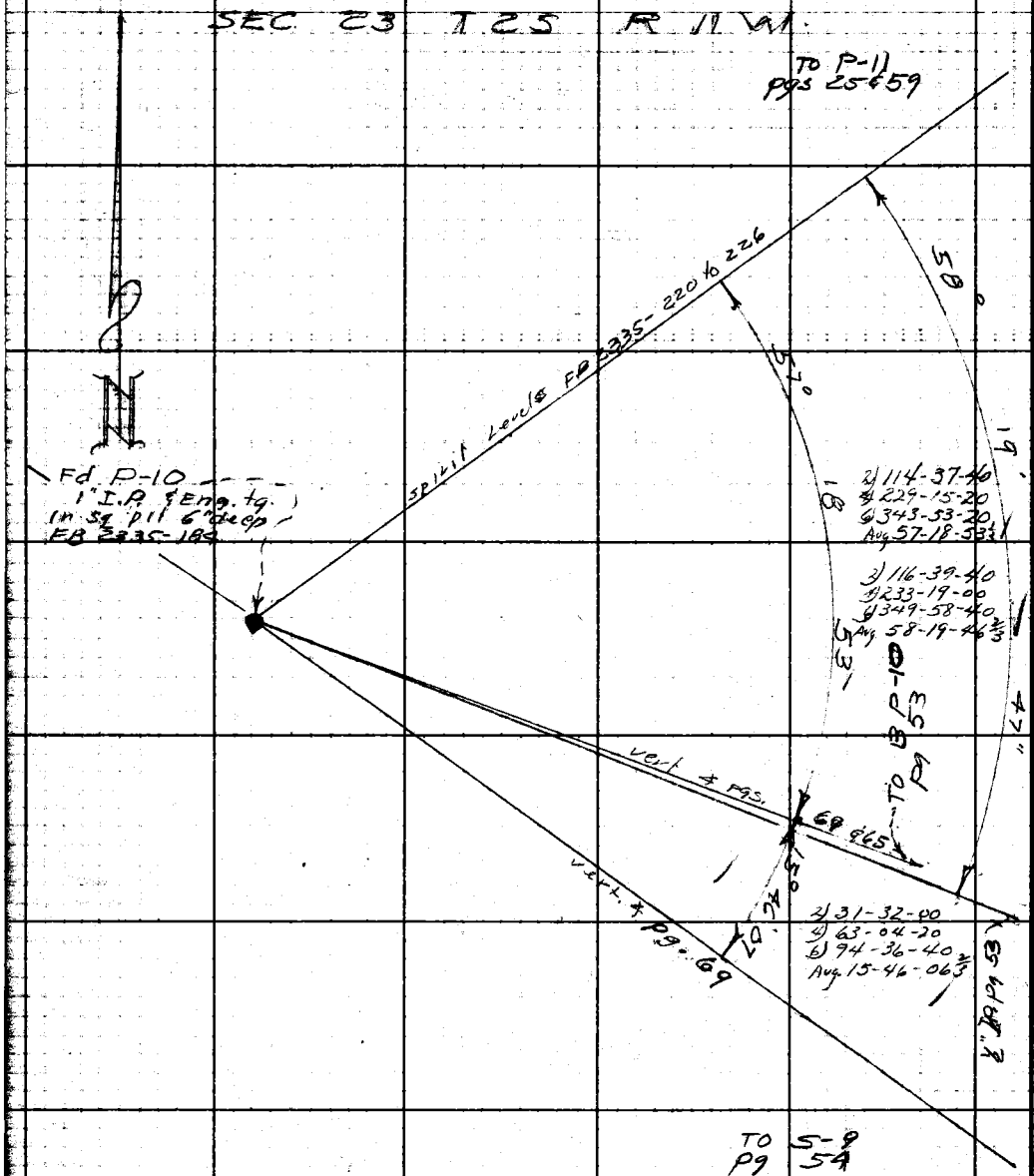
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-58

F.B. 2373 PG. 60

SEC 23 T 2S R 11 W



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76F309S CE #247—3-57

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TRANSIT AT STATION 5-5 F.B. 2373 PG 56 H.I. + 5.23

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
P-11A	10.00	D + 5° 45' 50"					
		R + 5° 46' 10"					
		Avg. + 5° 46' 00"					
	6.00	D + 5° 41' 30"					
		R + 5° 41' 50"					
		Avg. + 5° 41' 40"					
BP-8	12.00	D + 8° 05' 30"					
		R + 8° 05' 50"					
		Avg. + 8° 05' 40"					
	7.00	D + 8° 00' 20"					
		R + 8° 00' 40"					
		Avg. + 8° 00' 30"					
BP-11	12.00	D + 9° 23' 20"					
		R + 9° 23' 40"					
		Avg. + 9° 23' 30"					
	7.00	D + 9° 15' 20"					
		R + 9° 15' 40"					
		Avg. + 9° 15' 30"					

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

Survey of HADLEY ST EXT
JN 60255 Tape 138 Std 84 °F
Surveyed by J. H. Brown
Notes U. H. 13 Date 1-12-59
Indexed C. Johnson

F. B. 2373 PG. 61

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Do not extend notes this side of this line.

TRANSIT AT STATION 5-5 F.B. 2373 PG 56 H.I. + 5.23

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
BP-12	12.00	D + 7°45'20"					
		R + 7°45'40"					
		Avg. + 7°45'30"					
	7.00	D + 7°38'00"					
		R + 7°38'00"					
		Avg. + 7°38'00"					
TRANSIT AT		STATION	BP-10	FB 2373	PG 53	HI 5.37	
BP-12	12.00	D - 0°27'20"	See Pg. 65				
		R - 0°27'10"					
		Avg) - 0°27'15"					
	7.00	D - 0°37'30"					
		R - 0°37'20					
		Avg. - 0°37'25					
B.P.9	12.00	D + 3°50'20"					
		R + 3°50'00"					
		Avg + 3°50'10"					
	7.00	D + 3°39'30"					
		R + 3°39'20					
		Avg + 3 39 25					

F.B. 2373 PG. 62

76F309S CE #247—3-57

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

Do not extend notes this side of this line.

TRANSIT AT STATION S-7 F.B. 2373 PG 55 H.I.+ 5.34

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP-12	12.00	D+1°-16-00 R+1-16-20 Avg. 1-16-10					
	7.00	D+1-04-00 R+1-04-20 Avg+1-04-10					
BP-11	12.00	D+1°-32-40 R+1°-32-40 Avg+1°-32-40	Not Needed				
	7.00	D+1°-26-00 R+1°-26-20 Avg+1°-26-10					
S-5	9.00	D-5°01-20 R-5°-01-00 Avg.-5°-01-10	Not needed				
	2.00	D-5°-09-00 R-5-08-40 Avg.-5-08-50					

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

Survey of HADLEY ST EXT
JN 0015.51 Tape 138 Std 84 of
Surveyed by J.H. Brown
Notes J.H.B. Date 1-9-59
Indexed J. C. Johnson

F.B. 2373 PG. 63

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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.

TRANSIT AT STATION BP-8 F.B. 2373 PG 51 H.I. + 6.00

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
BP-9	12.00	D+01°30'40"					
		R+01°-31'-00"					
		Avg+01°-30'-50"					
	7.00	D+01°04'-00					
		R+01-04-20					
		Avg+01°-04'-10"					
BP-11	12.00	D-04°-11'-20"					
		R-04°-11'-00"					
		Avg-04°-11'-10"					
	7.00	D-04°-28'-40"					
		R-04°-28'-20"					
		Avg-04°-28'-30"					
S-5	9.00	D-07°-55'-20"					
		R-07°-55'-00"					
		Avg-07-55-10					
	1.00	D-08°-04'-20"					
		R-08°-04'-00"					
		Avg-08°-04'-10"					

F.B. 2373 Pg 64

76F309S CE #247—3-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

TRANSIT AT STATION BP-10 F.B. 2373 PG 53 H.I.+ 5.37

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
P-10	12.00	D + 1° 06' 30" R + 1° 06' 20" Avg + 1° 06' 25"					
	7.00	D + 1° 00' 30" R + 1° 00' 30" Avg + 1° 00' 30"					
S-9	12.00	D - 7° 10' 20" R - 7° 10' 40" Avg - 7° 10' 30"					
	7.00	D - 7° 22' 30" R - 7° 22' 50" Avg - 7° 22' 40"					
BP-12	12.00	D - 0° 27' 20" R - 0° 27' 10" Avg. - 0° 27' 15"					
	7.00	D - 0° 37' 30" R - 0° 37' 20" Avg. - 0° 37' 25"					
BP-9	12.00	D + 3° 50' 20" R + 3° 50' 00" Avg. + 3° 50' 10"					
	7.00	D + 3° 39' 30" R + 3° 39' 20" Avg. + 3° 39' 25"					

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

Survey of HADLEY ST EXT
JN 0075.51 Tape 138 Std 84 °F
Surveyed by J.H. Brown
Notes J.H.B. Date 1-12-59
Indexed C. John

F.B. 2373 PG. 65

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TRANSIT AT STATION BP-9 F.B. 2373 PG 52 H.I. + 5.84

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP-12	12.00	D - 5°-00-00 R - 4-59-40 Avg - 4-59-50					
	7.00	D - 5-12-40 R - 5-12-40 Avg - 5-12-40					
BP-10	9.00	D - 3°-29-40 R - 3°-29-20 Avg. - 3°-29-30					
	3.00	D - 3°-42-20 R - 3°-42-00 Avg. - 3°-42-10					
BP-11	12.00	D - 4°-36-20 R - 4-36-00 Avg - 4-36-10					
	7.00	D - 4° 52 40 R - 4 52 20 Avg - 4 52 30					
BP-8	12.00	D - 0°-26-40 R - 0°-26-40 Avg - 0°-26-40					
	7.00	D - 0°52-40 R - 0-53-00 Avg - 0°-52-50					

F.B. 2373 PG 66

76F309S CE #247—3-57

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TRANSIT AT STATION BP-12 F.B. 2373 PG 58 H.I. + 5.97

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
B.P.-9	12.00	D + 5°-30-20					
		R + 5°-30-40					
		Avg + 5°-30-30					
	7.00	D + 5°-17-40					
		R + 5-18-00					
		Avg. + 5°17-50					
B.P-10	9.00	D + 0°-46-50					
		R + 0°-47-10					
		Avg. + 0°-47-00					
	5.00	D + 0°-38-40					
		R + 0°-39-00					
		Avg. + 0°-38-50					
S-7	10.00	D - 0°-51-00					
		R - 0°-50-40					
		Avg - 0°-50-50					
	6.00	D - 1°-00-20					
		R - 1°-00-00					
		Avg. - 1°-00-10					

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

Survey of Hadley St. Ext.
JN 0275.51 Tape 138 Std 84 °F
Surveyed by J.H. Brown
Notes J.H.B. Date 1-12-59
Indexed C. Johnson

F.B. 2373 PG. 67

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TRANSIT AT STATION BP-11 F.B. 2373 PG 57 H.I. + 6.17

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP9	12.00	D + 5°-15-20					
		R + 5°-15-40					
		Avg + 5°-15-30					
	7.00	D + 4°-59-20					
		R + 4°-59-40					
		Avg 4°-59-30					
P11-A	9.00	D - 1°-07-40"					
		R - 1°-07-40					
		Avg 1°-07-40					
	3.00	D - 1°-21-40					
		R - 1°-21-20					
		Avg - 1°-21-30					
BP-8	12.00	D + 4°-51-40"					
		R + 4°-52-00					
		Avg + 4°-51-50"					
	7.00	D + 4°-34-40					
		R + 4°-35-00					
		Avg + 4°-34-50"					
S-5	9.00	D - 9°-08-20					
		R - 9°-08-20					
		Avg. 9°-08-20"					
	2.00	D - 9°-19-40					
		R - 9°-19-20					
		Avg. 9°-19-30"					

F.B. 2373 Pg. 68

76F3093 CE #247—3-57

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TRANSIT AT STATION P-10 F.B. 2373 PG 60 H.I. + 5.76

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
S-9	8.00	D - 3°-13-00" R - 3°-12-40" Avg - 3°-12-50"					
	1.00	D - 3°-18-20" R - 3°-18-20" Avg - 3°18-20"					
BP-10	9.00	D - 0°-56-00" R - 0°-56-00" Avg. 0°56-00"					
	2.00	D - 1°-03-40 R - 1°-03-20 Avg - 1°-03-30"					
TRANSIT AT STATION			S-9	FB 2373	PG 54	H.I 5.22	
BP-10	9.00	D + 7°-36-00" R + 7°-36-20" Avg + 7°-36-10"					
	3.00	D + 7°-21-00" R + 7°-21-20" Avg + 7°-21-10"					
P-10	9.00	D + 3°-17-20" R + 3°-17-40" Avg + 3°-17-30"					
	3.00	D + 3°-12-20" R + 3°-12-40" Avg + 3°12-30"					

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

Survey of HADLEY ST EXT
JN 0075.5 Tape 138 Std 84 of
Surveyed by J. H. Brown
Notes J.H.B. Date 1-12-59
Indexed C. Johnson

F.B. 2378 PG. 69

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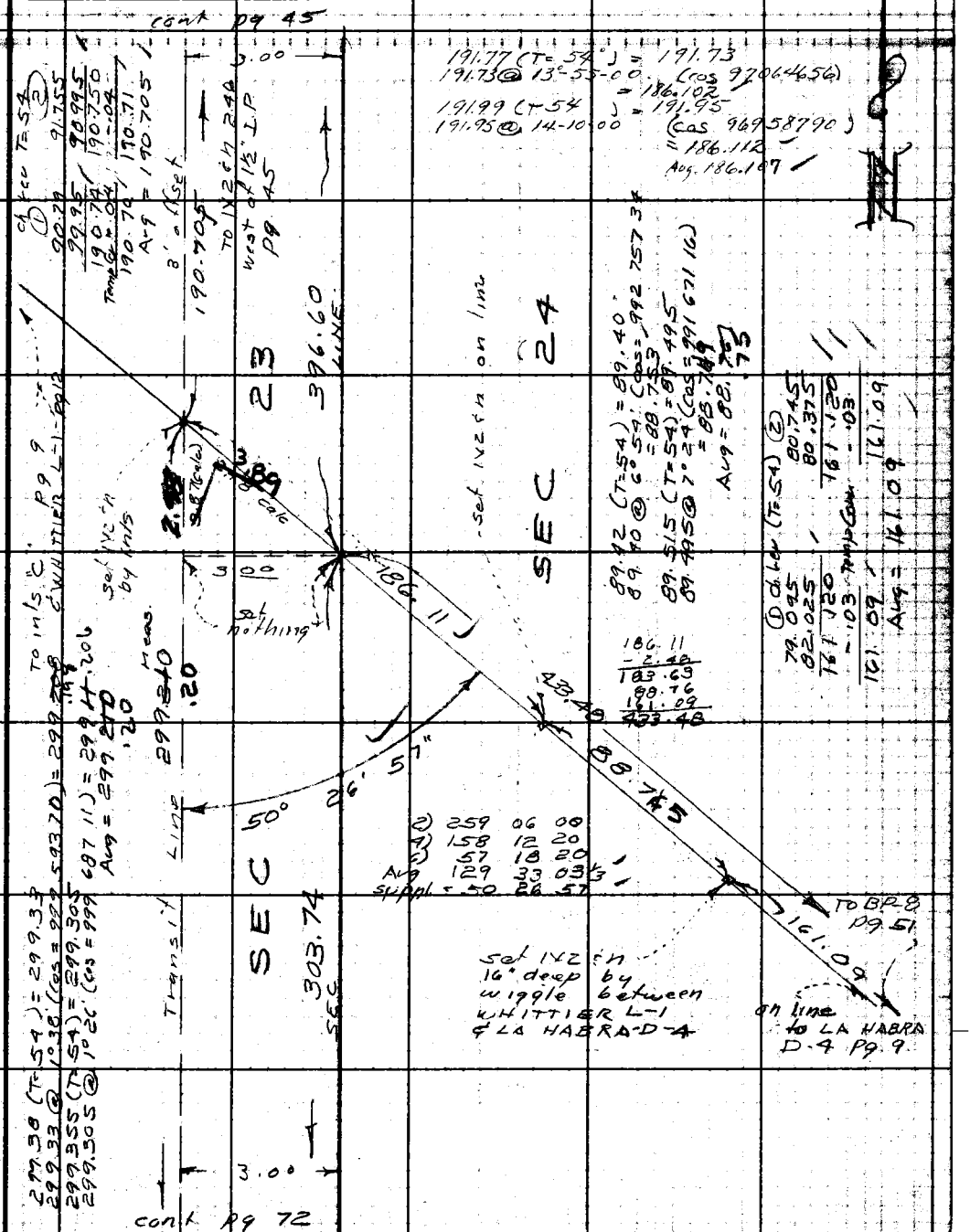
TRANSIT AT STATION P-11 A F.B. 2373 PG 59 H.I. + 6.15

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
S-5	9.00	D - 5° 38' 00"					
		R - 5 38 00					
		Avg - 5 38 00					
	2.00	D - 5 46 00					
		R - 5 45 40					
		Avg - 5 45 50					
BP-11	12.00	D + 1 27 20					
		R + 1 27 40					
		Avg + 1 27 30					
	7.00	D + 1 16 20					
		R + 1 16 20					
		Avg 1 16 20					

F.B. 2373 PG. 70

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT	F. B. 2373 Pg. 71
Map No.	IN 0975 51 Tape 138 Std 84 °F	T 2 S
Office Work	Surveyed by J. H. Brown	R 11 W
Checked	Notes J. H. B. Date 1-13-59	
Date	Indexed A. C. Johnson	



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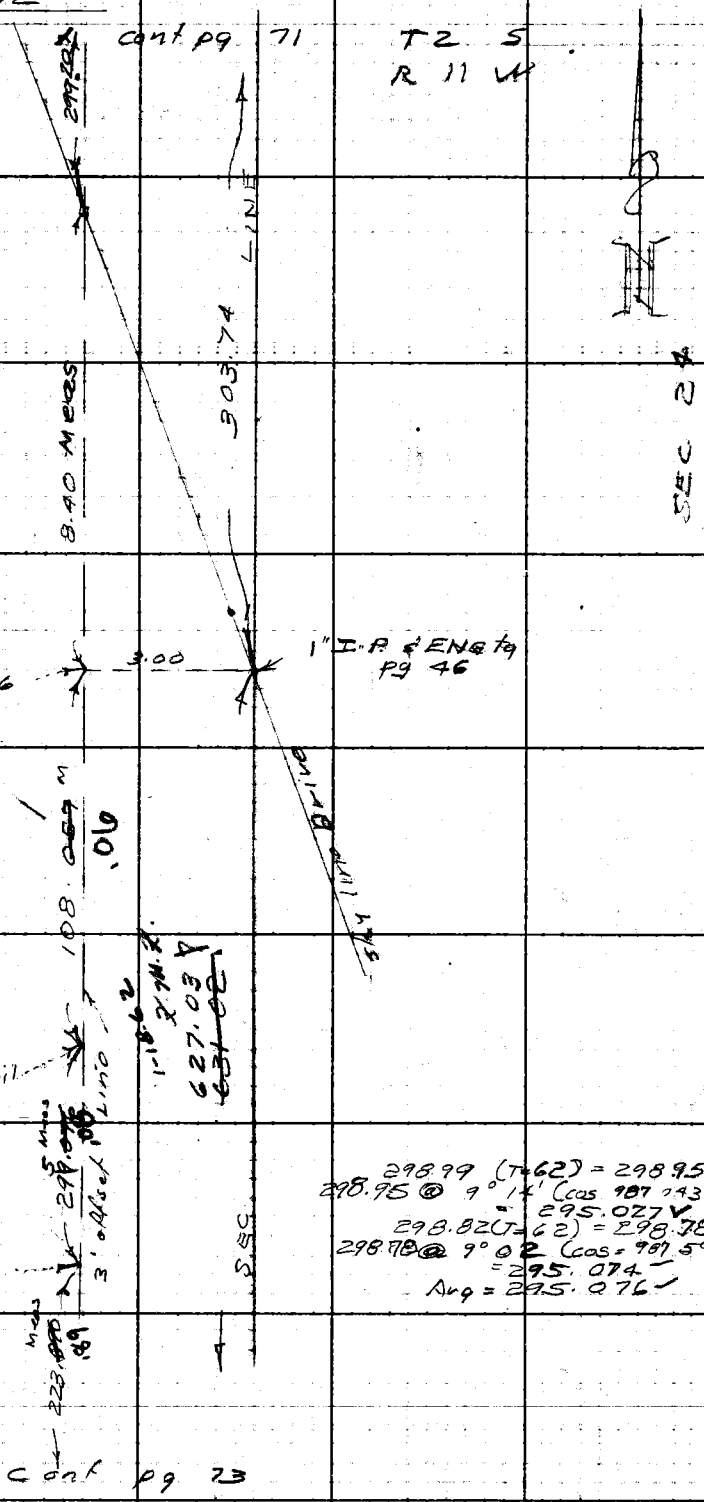
768098 CE #247—7-53

F. B. 2373 Pg. 72

cont pg 71

T2 S
R 11 W



108.32 (T=62) = 108.30
108.30 @ 4° 08' (cos = 997.399 02)
= 108.018
108.265 (T=62) = 108.245
108.245 @ 3° 22' (cos 998.274 16)
= 108.058
108.21 (T=62) = 108.19
108.19 @ 2° 51' (cos = 998.763 13)
= 108.056
Avg = 108.057

298.99 (T=62) = 298.95
298.95 @ 9° 14' (cos 987.743 08)
= 295.027
298.82 (T=62) = 298.78
298.78 @ 9° 02 (cos = 987.597 16)
= 295.074
Avg = 295.076

cont pg 73

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763098 CE #247—7-53

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W.S. 37D-5

~~82.08 (T= 62) = 82.07~~
~~82.07 @ 18° 23' 00" (cos 948 967 79) = 77.882~~
82.53 (T= 62) = 82.52
82.52 @ 19° 20' 00" (cos 943 608 51) = 77.867
81.86 (T=62) = 81.85
81.85 @ 17° 58' 00" (cos = 951 236 13) = 77.859
Avg = 77.863

238.20 (T=64) = 238.17
238.17 @ 19° 56' 40" (cos = 940 023 81) = 223.885
238.77 (T=64) = 238.74
238.74 @ 20° 18' 40" (cos = 937 821 64) = 223.896
~~237.92 (T=64) = 237.81~~
~~237.81 @ 19° 44' 00" (cos = 941 274 27) = 223.920~~
Avg = 223.890

59

Cont pg. 74

77.~~863~~ .86

3' offset Line
141.21

Set in 2 pg. 47 ints.

40" rg 52

223.~~890~~ .89

SEC 23 1-18-62 R.M.2
627.03
~~631.02~~
Line

SECTION

SEC 24

173.34 (T= 62) = 173.32
173.32 @ 13° 38' 00" (cos = 971 824 04) = 168.437
172.95 (T=62) = 172.93
172.93 @ 13° 06' 00" (cos = 973 975 97) = 168.430
Avg = 168.43
+ 4.64
173.074

173.074
78.742
251.82

251.82
173.074 mins

1/4 cor 1" I P & ENG to pg 47

nail

78.77 (T=62) = 78.76
78.76 @ 1° 08' (cos = 999 804 37) = 78.745
78.81 (T=62) = 78.80
78.80 @ 2° 15' (cos = 999 229 04) = 78.739
Avg = 78.742

78.74

To BP-9 Pg. 52

T. 2 S. R. 11 W.

Cont pg 72

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

Survey of HADLEY ST EXT
JN 0075.51 Tape 138 Std 84 °F
Surveyed by U.H. Brown
Notes U.H.B. Date 1-13-59
Indexed C. Johnson

F.B. 2373 PG. 73

F.B. 2373 Pg. 74

T 2 S

cont pg 73

R. 11 W

SEC 23

SEC 24

77.862

nail, wiggle pt.

3' offset line

141.21

LINE

63.35

ch. Lev. To 72

① 34.33 No Temp 63.35
29.02 Corr. 00.00
63.35 63.35

Avg = 63.35

2" I.P. ctg pg 47

291.75

To BP-9 pg. 52

4x4 post

Fd 1x2 ctn. 2.10M

set nail

0.90

ch Lev To 58

①	②
81.47	81.97
44.71	44.21
25.67	165.62
139.95	0.00
291.80	291.80
-.05 Temp corr.	-.05
291.75	291.75

Avg = 291.75

See pg. 47 for alignment. Not Meas.

SEC.

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F. B. 2373 PG. 75

NOTES RED. JOB NO. 0075.51 SURVEY OF Hadley St. Ext.
DATE SURVEY BY J. H. Brown
NOTES CHKD. C. R. GOSS NOTES BY [illegible] DATE 1-16-59
DATE INDEXED DATE 2-4-59

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
J. N. 0075.51						
BENCH LEVELS						
from						
P-11 to P-11A						
J. H. Brown & Party						
1-16-59						

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

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 S & E-353 4-54

JOB NO. 0075.51 SURVEY OF Hadley St. Ext. NOTES RED.
SURVEY BY J. H. Brown DATE
NOTES BY K. M. K. DATE 1-16-59 NOTES CHKD. C. R. GOSS
INDEXED J. C. Johnson DATE DATE

F. B. 2373 PG. 74

768420 S & E-353 4-54

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd. P-11	981.133 ✓					P-11 Elev. = 981.133 (1st Run) F.B. 2335-226
+	4.440		4.163			On N.E. Slope of Puente Hills about
π	985.573	-0.977	0.978			1478' (Stadia) S. of ctr. of a water
−	5.417		5.141			tank & about 0± E. of N.-S. fence
T.P.	980.156 ✓					1308' S. of N.E. Cor. Sec. 23. about
+	0.948		1.152			160' E. of a small drainage.
π	981.104	-3.835	3.837			N. of a gate. At ints. of Sec
−	4.783		4.987			Line & "P" Line. 1" I.P. & Eng'r.
T.P.	976.321 ✓					Tag 12" below floor of pit 3'x5'
+	0.915		0.760			& 1' deep.
π	977.236	-4.564	4.563			
−	5.479		5.323			
T.P.	971.757 ✓					
+	0.598		0.869			
π	972.355	-5.170	5.170			
−	5.768		6.039			
T.P.	966.587 ✓					
+	0.099		0.042			
π	966.686	-6.163	6.166			
−	6.262		6.208			
Set P-11A	960.424 ✓					P-11A Elev. =
+	6.170		6.148			Shown Pg. 59
π	966.594	+5.441	5.440			Set bt spk in 1' I.P. 1ft below
−	0.729		0.708			floor of 2'x2' pit which is 7ft deep
T.P.	965.865 ✓					set on line of P-10 to P-11 projected
+	5.951		5.820			about 385' NE'ly from P-11.
π	971.816	+5.153	5.155			
−	0.798		0.665			
T.P.	971.018 ✓					

F. B. 2373 PG. 77

NOTES RED. _____ JOB NO. 0075.51 SURVEY OF Hadley St. Ext.
DATE _____ SURVEY BY J. H. Brown
NOTES CHKD. C. R. GOSS NOTES BY K. M. K. DATE 1-16-59
DATE _____ INDEXED C. Johnson DATE _____

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	971.018					
+	5.632		5.830			
π	976.650	+4.890	4.888			
−	0.742		0.942			
T.P.	975.908					
+	5.857		5.236			
π	981.765	+5.228	5.228			
−	0.629		1.008			
P-11	981.136					

P-11 Elev. = 981.133 (1st Run) Fb. 2335-226. See Pg. 76 this book for descrip.

76S420 S & E-353 4-54

Notes Ck'd by	Survey of HADLEY ST EXT
Map No.	JN 0075-57 Tape 0128 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 5-59
Date	Indexed [redacted] C. Johnson 5-29-59

F. B. 2373 PG. 79

LOCATION & ELEVATION OF POINTS PANELED FOR PHOTOGRAMETRIC CONTROL

PANELED MAY 20, 1959
SURVEYED MAY 21, 1959

PARTY:
J. H Brown
K. M. Kapp
B. Nunez
G. R. Merino

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763098 CE #247—7-55

F.B. 2373 PG. 80

Elev "E.C." = 782.26
+ 4.55
H.I. 786.81
− 9.54
Elev "6B" = 777.27

END SURVEY

Elev "6B" 777.27
+ 9.54
H.I. 786.81
− 5.51
Elev P.I. 10 = 781.30
(check.)

Fd 1X2, nail & tin flush. Guard stake labeled "P.O.T. 6B" No ref. paneled

Lutweiler

T=74 No Corr 99.36 M.

Elev P.I. 10 = 781.30
+ 6.14
H.I. 787.44
− 5.18
Elev. E.C. = 782.26

1) 86 58 20
2) 173 57 00
Avg 86 58 30 ✓

86°

Fd 1" I.P. & Eng tg up 2". Guard stake labeled "E.C." No Ref. Paneled.

58'

(T=66 no corr)

15.38 M

20.19 M

T=66 no corr

Set nail by ints

30" V

13.73 M

T=66 no corr

END SURVEY

SKY LINE DRIVE

476.01 Rec.

170.65
305.36
476.01

P.I. 10

Fd 1" I.P. wood plug & tk. dn 18". Fd 1X2 nail out 3.00' E & 3.00' S as set by this party 11-27-57 (see C.S. 8842.2) (F.B. 691-194 not in field.)

Not Paneled

Elev = 781.30 (per List of Mon. in specifaction booklet.)

Fd 1" I.P. & wood plug & tk. dn 12" (P.O.T. 50+81.38 per C.S. 8842-2)

Note: F.B. 2932-197 Shows Elev (TBM #23) as 780.02. 11/9/62 JHB

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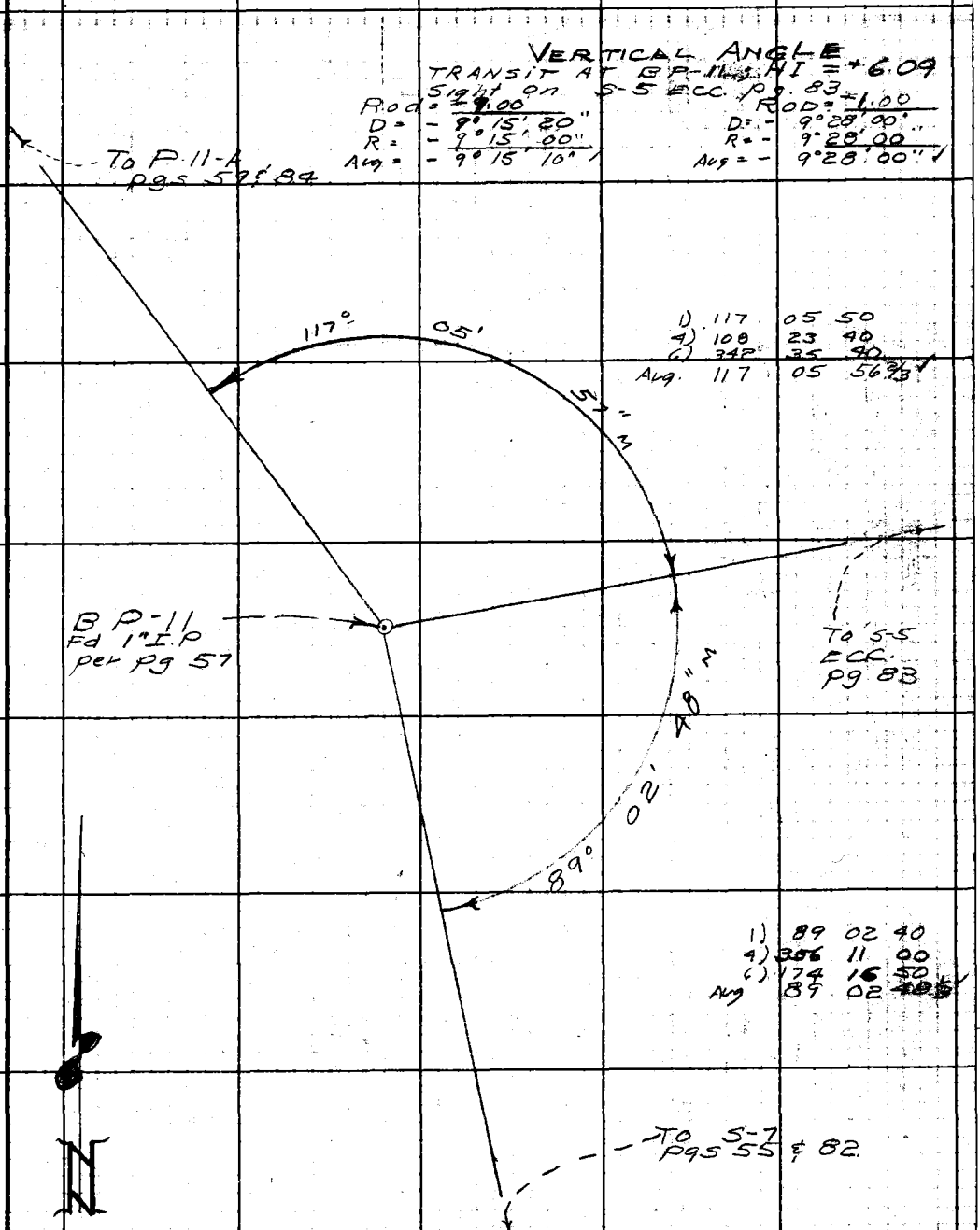
Notes Ck'd by	Survey of HADLEY ST EXT	F. B. 2373 Pg. 81
Map No.	JN 0075.51 Tape — Std — °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B Date 5-21-59	
Date	Indexed [illegible] C. Johnson	



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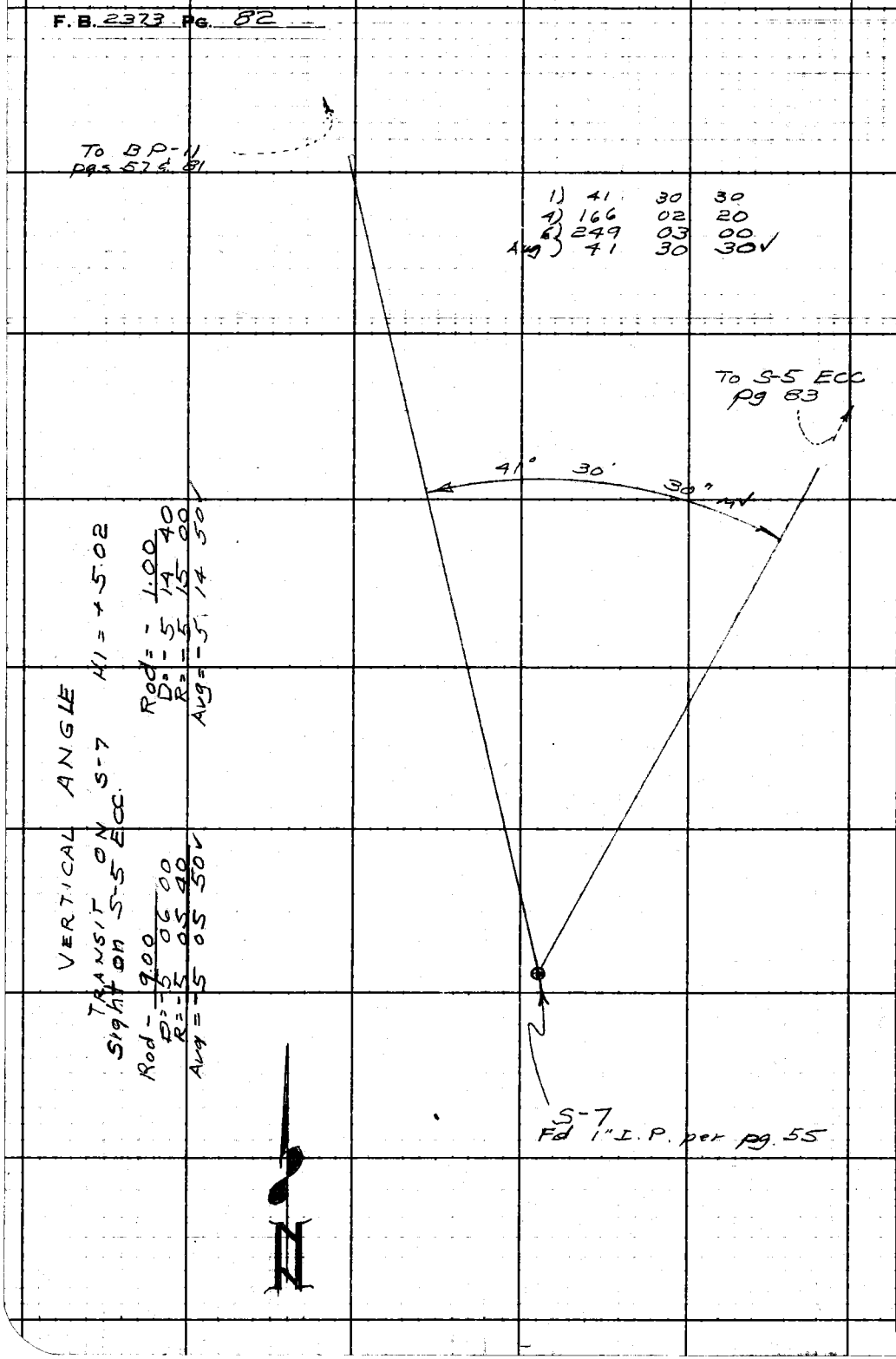
763098 CE #247—7-53

F. B. 2373 PG. 82



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Notes Ck'd by	Survey of HADLEY ST EXT
Map No.	JN 0275.57 Tape — Std — °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-21-57
Date	Indexed C. Johnson

F. B. 2373 PG. 83

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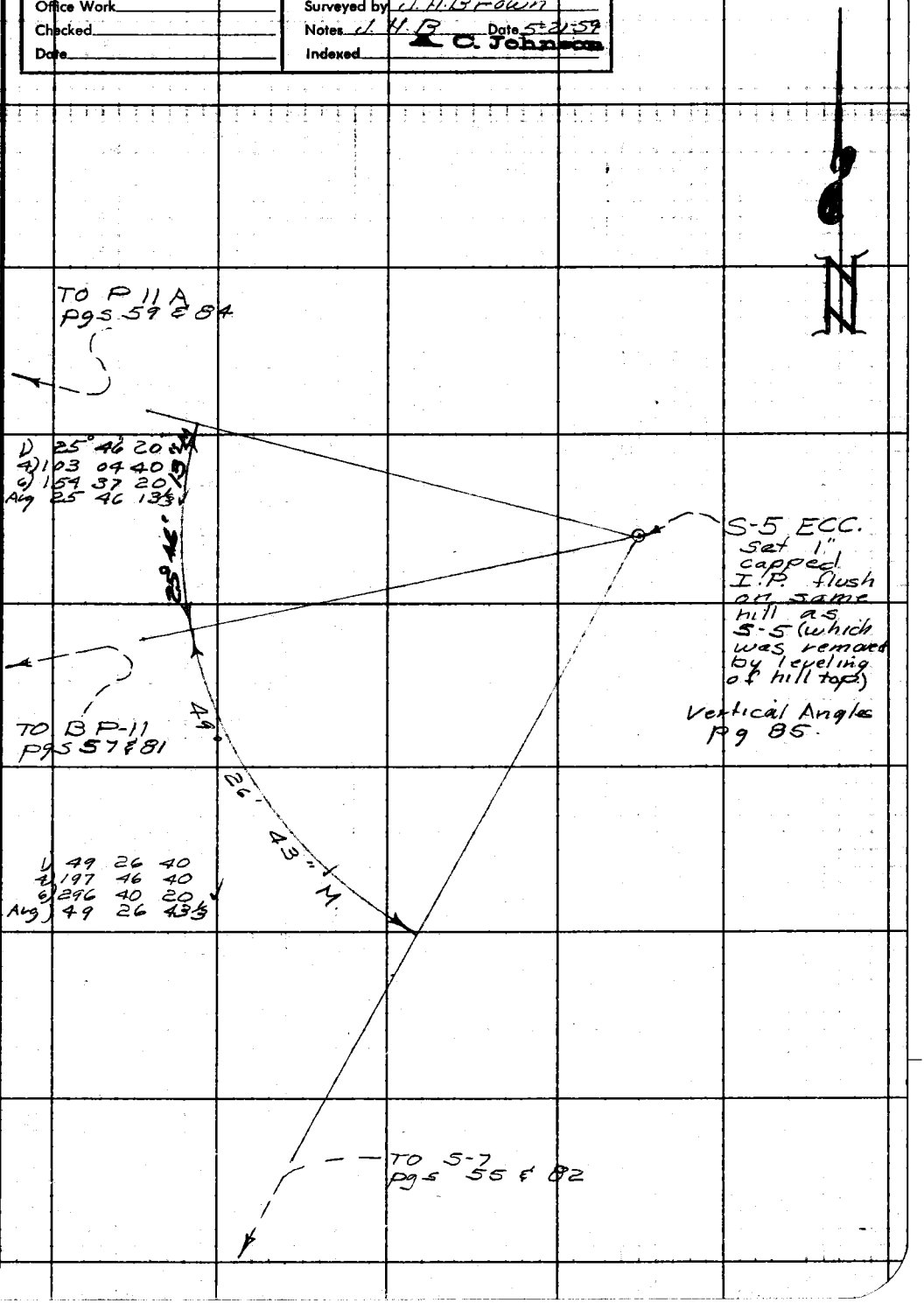


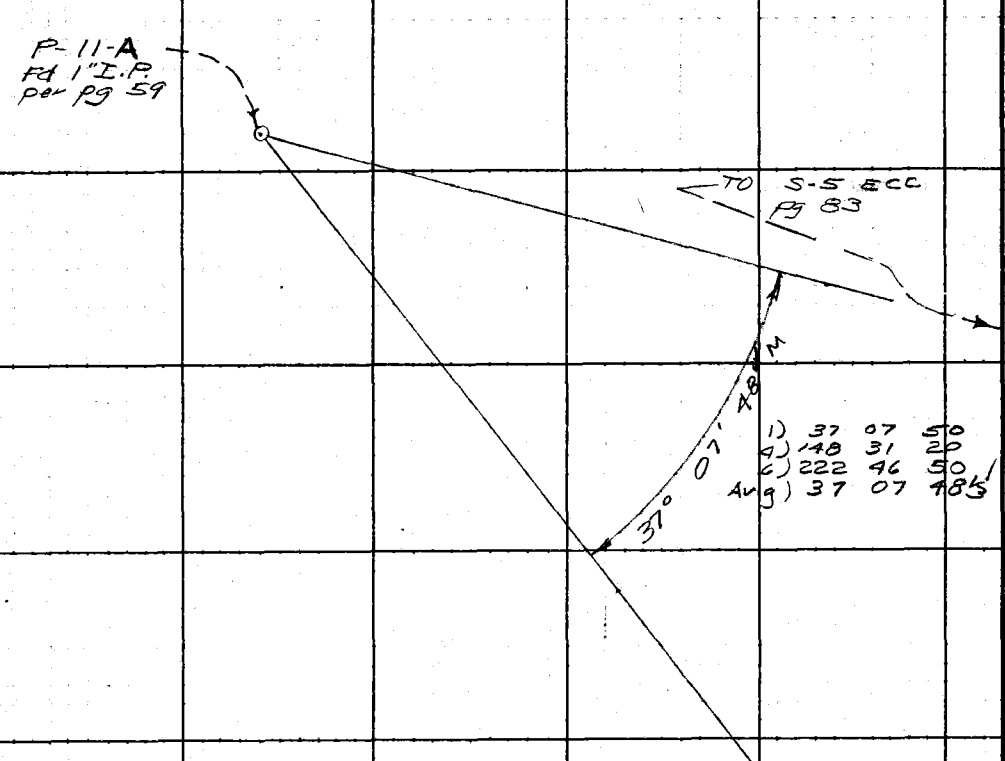
763098 CE #247—7-55

F.B. 2373 PG. 84

Verticle Angle to S-5 ECC pg 83
TRANSIT AT P-11-A
6.32 above pipe = H.I.

Rod = 9.00
D = -5° 42' 40"
R = -5° 43' 00"
Avg = -5° 42' 50"

Rod = 1.00
D = -5° 51' 40"
R = -5° 51' 20"
Avg = -5° 51' 30"



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TRANSIT AT STATION S-5 ECC F.B. 2373 PG 83 H.I.+ 5.21

Sight on	-Rod	+ Vertical + Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
P-11 A	10.00	D = +5° 50' 20" R = +5° 50' 40" Avg = +5° 50' 30" ✓					
	8.00	D = +5° 48' 00" R = +5° 48' 00" Avg = +5° 48' 00" ✓					
BP-11	7.08	D = +9° 22' 40" R = +9° 22' 40" Avg = +9° 22' 40" ✓					
	3.95	D = +9° 17' 30" R = +9° 17' 40" Avg = +9° 17' 35" ✓					
S-7	10.00	D = +5° 15' 00" R = +5° 15' 00" Avg = +5° 15' 00" ✓					
	6.00	D = +5° 11' 00" R = +5° 11' 00" Avg = +5° 11' 00" ✓					

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

Survey of HADLEY ST EXT
JN 0675.5 Tape 0128 Std 68 °F
Surveyed by W.H. Brown
Notes W.H.B. Date 5-59
Indexed A. C. Johnson

F. B. 2373 PG. 85

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TRANSIT AT STATION _____ F.B. _____ PG _____ H.I.+ _____

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.

F.B. 2373 Pg. 86

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN 0075.51 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. B Rown
Checked	Notes J. H. B. Date 6-28-59
Date	Indexed C. C. Johnson 7-9-59

F. B. 2373 PG. 87

FIELD PROFILE TESTS
on
HADLEY ST EXT.

(TOPOGRAPHIC MAP - SURVEY DIVISION FILE MAP Nº 103-1)

J.N. 0075.51

6-28-59

J. H. Brown
K. M. Kapp
B. Nunez
G. R. Merino

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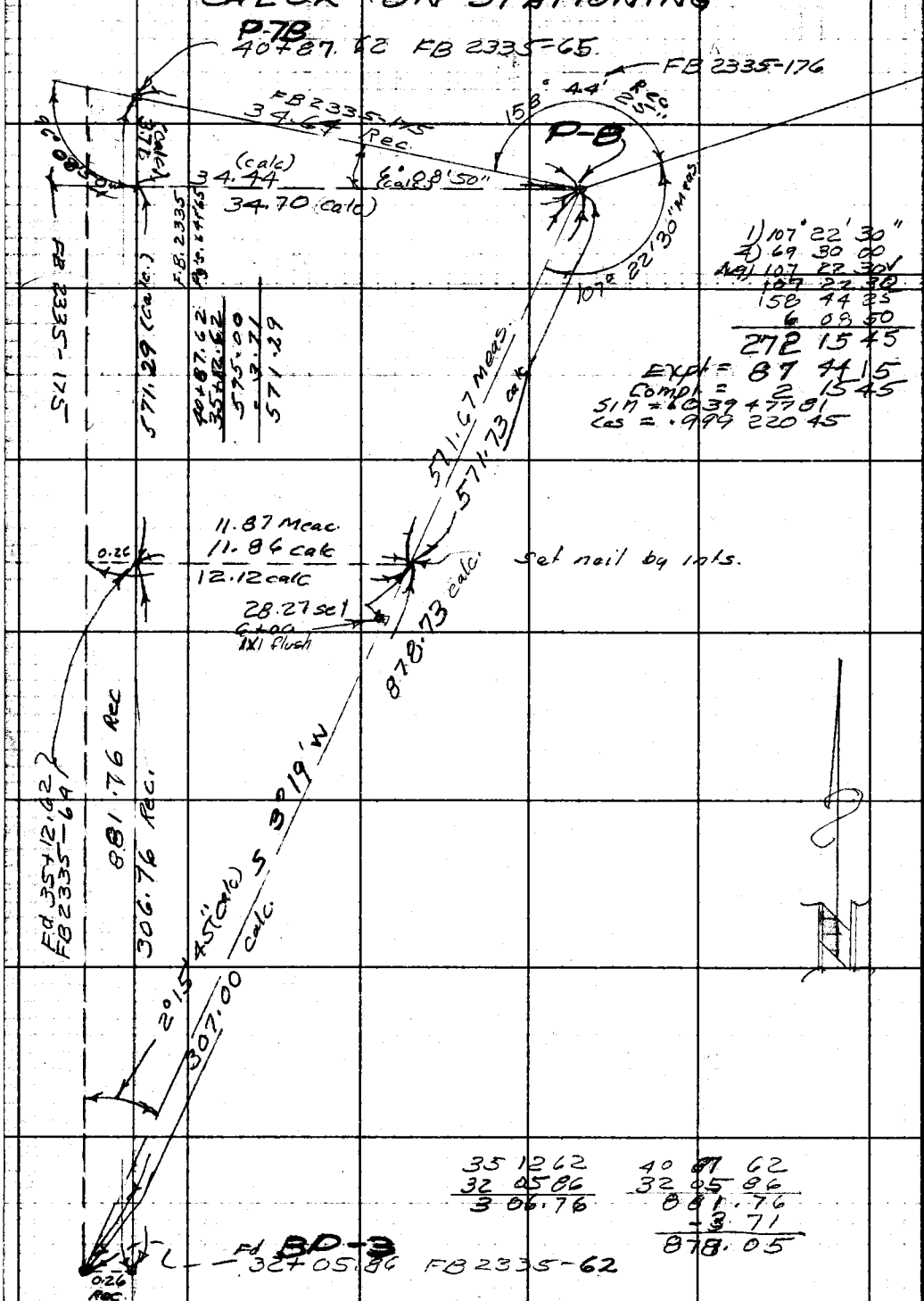
76309S CE #247—7-58

F. B. 2373 PG. 88

LINE BETWEEN P-8 & BP-3
CHECK ON STATIONING



1) 107° 22' 30"
2) 69 30 00
Avg 107 22 30
107 22 30
158 44 25
6 08 50
272 15 45
Expt = 87 44 15
Compt = 2 15 45
SIN = .039 477 81
Cos = .999 220 45

35 12 62
32 05 86
3 06.76

40 87 62
32 05 86
881.76
-3.71
878.05

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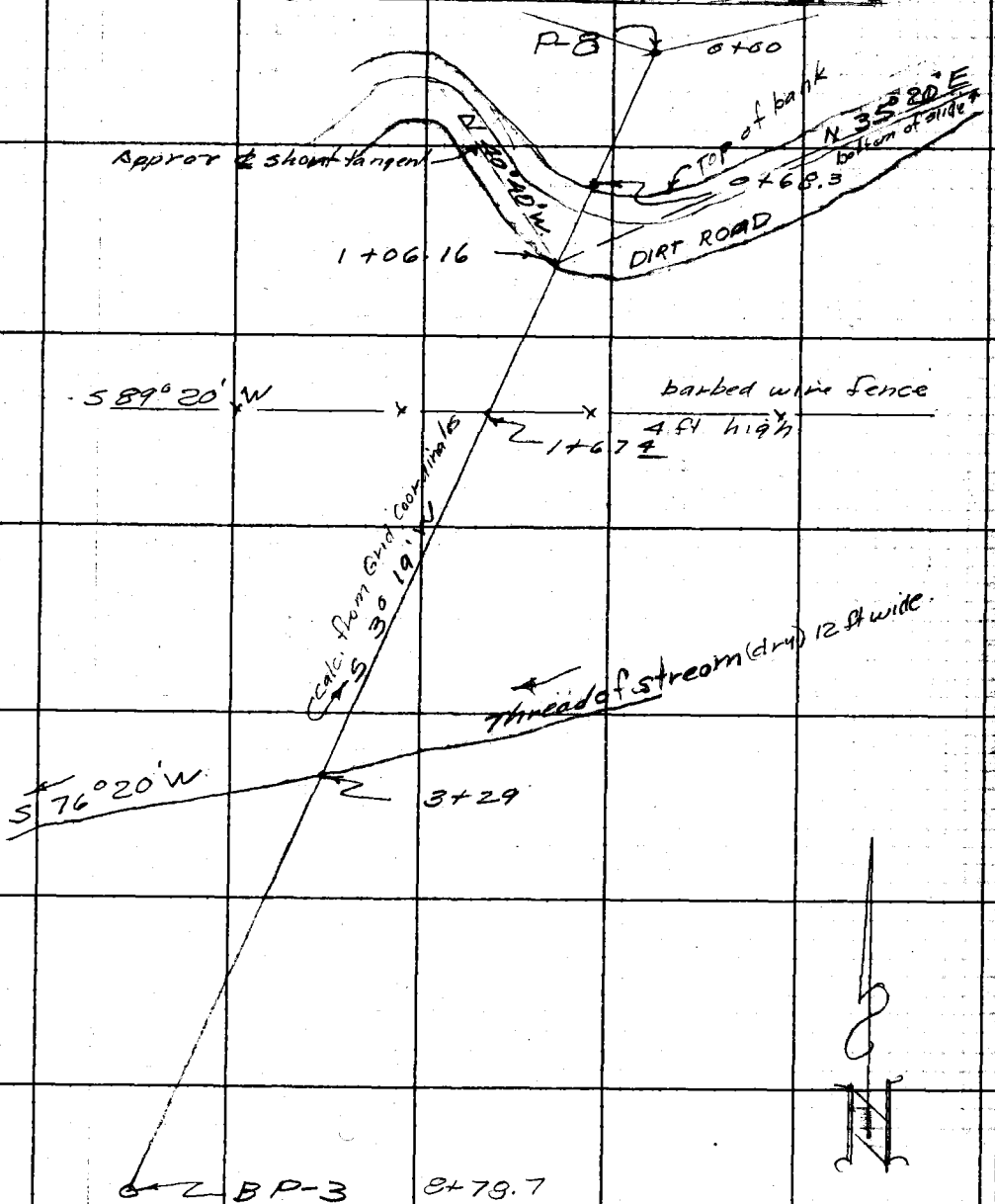
Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN 007551 Tape 138 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 6-28-59
Date	Indexed C. Johnson

F. B. 2373 PG. 89

TOPOGRAPHIC FEATURES
ON LINE BETWEEN P-8 & BP 3



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763098 CE #247—7-53

Profile No. _____ X-Sec. No. _____

Notes Red. _____ Plotted _____ Job No. 007551 Division No. _____
Date _____ Date _____ Survey of HADLEY ST EXT
Notes Chkd. C. R. GOSS Checked _____ Survey by J. H. Brown Notes J. H. B. Date 7-59
Date _____ Date _____ Map No. _____ Indexed C. Johnson

F.B. 2373 Pg. 91

PROFILE FIELD TEST
From P-8 S3°19'W 600' (on line to BP-3)
(SURVEY DIVISION FILE MAP No. 103-1)

J.N 0075.51
HADLEY ST. EXT.

July 7, 1959

STATION	B.S.	H.I.	F.S.	ELEV.

Party
J. H. Brown
K. M. Kapp
B. Nunez
G. R. Merino

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78L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
					P-8 Elev = 868.19	FB 2335-211
P-8 (0+00)	0 20	868 39		868 19	3/4" I.P. stg	FB 2335-176
T.P	1 81	866 27	3 93	864 46	1X1 flush	
T.P	0 29	856 34	10 22	856 05	" "	
0+50	1 94	848 89	9 41	846 93	T.P. 1X1 flush	
0+68 3	7 28	845 77	10 40	838 49	T.P. " "	
T.P	1 05	836 58	10 24	835 53	1X1 flush	
T.P	1 22	828 64	9 16	827 42	" "	
0+85 8	4 57	824 31	8 90	819 74	T.P. 1X1 flush	N. edge dirt road
0+94			3 8	820 5	ground	S. edge dirt road
1+06 7	0 19	821 93	2 57	821 74	T.P. 1X1 flush	top bank
T.P.	0 12	812 99	9 06	812 87	1X1 flush	
T.P.	0 04	803 07	9 96	803 03	" "	
1+50	0 38	793 87	9 58	793 49	T.P. 1X1 flush	
T.P.	0 35	784 19	10 03	783 84	1X1 flush	
1+84 5	0 07	773 65	10 61	773 58	T.P. 1X1 flush	ground brk.
2+00	2 51	766 64	9 52	764 13	T.P. 1X1 flush	
T.P.	2 13	760 44	8 33	758 31	1X1 flush	
T.P.	0 85	753 33	7 96	752 48	" "	
2+30	3 11	747 79	8 65	744 68	T.P. 1X1 flush	
T.P.	0 10	740 86	7 03	740 76	1X1 flush	
2+50	0 62	732 10	9 38	731 48	T.P. 1X1 flush	
T.P.	0 93	723 56	9 47	722 63	1X1 flush	(con't pg. 93.)

B 2370 PG. 92

Job No. 0275 S Division No. ____ Plotted ____ Notes Red ____ Profile ____

Survey of HADLEY ST EXT. Date ____ No. ____

Survey by L.H.B. Notes K.M.K. Notes Chk. R. R. GOSS Checked ____ X-Sec. ____

Indexed ____ Date ____ Date ____ Date ____ No. ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.		723 56		722 63	Cont. fr. Pg. 92.	
T.P.	1 79	715 87	9 48	714 08	1X1 flush	
T.P.	0 19	706 17	9 89	705 98	" "	
3+00	2 60	702 07	6 70	699 47	T.P. 1X1 flush	
3+18 6	4 21	698 79	7 49	694 58	T.P. 1X1 flush top brk.	
3+25 8	10 31	698 74	10 36	688 43	T.P. " " N. edge of dry stream (bot. brk.)	
3+31			10 9	687 8	ground thread of stream	
3+37 3	10 43	698 79	10 38	688 36	T.P. 1X1 flush S edge of dry stream (bot. brk.)	
3+50	4 64	698 95	4 48	694 31	T.P. 1X1 flush	
T.P.	9 37	707 43	0 89	698 06	1X1 flush	
T.P.	9 45	715 97	0 91	706 52	1X1 flush	
T.P.	11 55	726 09	1 43	714 54	1X1 flush	
4+00	11 68	735 17	2 60	723 49	1X1 flush	
T.P.	9 12	744 21	0 08	735 09	1X1 flush	
T.P.	10 15	754 33	0 03	744 18	1X1 flush	w of line
T.P.	10 73	764 49	0 57	753 76	1X1 flush	w of line
4+50			6 6	757 9	ground	on line
T.P.	8 43	770 79	2 13	762 36	Lath flush	w of line
T.P.	10 45	780 87	0 37	770 42	1X1 flush	w of line
T.P.	9 39	789 87	0 39	780 48	1X1 flush	on line

cont pg 94

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0075.51 Division No. ____ F.B. 2373 Pg. 93

X-Sec. No. ____ Date ____ Date ____ Survey of HADLEY STEXT

Notes Chkd. C. R. GOSS Checked ____ Survey by J.H. Brown Notes J.H.B. Date 7-7-59

Date ____ Date ____ Map No. ____ Index [illegible]

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P		789 87		78048	cont from pg 93	
T.P	919	798 64	042	78945	1x1 flush	
5+00	10 83	809 47	000	798 64	1x1 flush	
T.P.	937	818 46	038	809 09	1x1 flush	
T.P.	959	827 58	047	817 99	1x1 flush	
T.P.	930	836 32	056	827 02	1x1 flush	
5+50	934	845 36	030	836 02	1x1 flush	
T.P	868	850 63	341	841 95	1x1 flush	
5+71.7	11 05	861 54	014	850 49	1x1 flush	
6+00			029	8613	1x1 flush	
END PROFILE	LINE		FOLLOWING	IS	check on accuracy	
5+71.7				850 49	above (weather warm No temp. taken)	
				+14 00	(+3.11)-(4.85) 32.74 @ +28° 42'	= 15.72 − 1.74 = +13.98
					32.25 @ +27° 08'	= 14.71 − 0.70 = +14.01
					+(4.15) − (4.85)	Avg = + 14.00
				+74 34	+(4.25) − (4.59) 141.15 @ 31°57'	= 74.69 − 0.34 = 74.35
					140.92 @ 31°48'	= 74.26 + 0.07 = 74.33
					+(4.66) − (4.59)	Avg = + 74.34
1x1	911	947 94		938 83	wiggle pt.	
1x2	10 79	957 89	0.84	947 10	1x2 up 6" on SEC. Line	
BP-3			256	955 33	BP-3 Elev = 955.4 per specification sheet.	

F.B. 2373 PG. 94 Job No. 0075-51 Division No. ____ Notes Red ____ Plotted ____ No. ____ Profile
Survey of HADLEY ST EXT Date ____ Date ____ No. ____ X-Sec.
Survey by L. H. Dawn Notes L. H. B. Notes Chk C. R. GOSS Checked ____
Indexed C. Johnson Date ____ Date ____ Date ____

Profile No. _____ Notes Red _____ Plotted _____ Job No. 0075.51 Division No. _____

F.B. 2373 Pg. 95

X-Sec. No. _____ Date _____ Date _____ Survey of Hadley St. Ext.

Notes Chkd. C. R. GOSS Checked _____ Survey by J. H. Brown Notes K.M.K. Date 7-6-59

Date _____ Date _____ Map No. _____ Indexed [illegible] Date _____

PROFILE FIELD TESTS

Elevations on line P-10 to P-9B

(SURVEY DIVISION FILE MAP No 103-1)

J.N. 0075.51. HADLEY ST EXT

July 6 1959

J. H. Brown
K.M. Kapp
G.R. Merino
B.N UNEZ

STATION	B.S.	H.I.	F.S.	ELEV.

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STATION	B. S.	H. I.	F. S.	ELEV.		
P-10	6 03	1041 30		1035 27	P-10 1st Run Elev.	= 1035.268 F.B. 2335-219
0+00 (P-10)			4 5	1036 8	ground	
0+27			2 7	1038.6	Top of hill	
0+50			5 0	1036 3	side hill	
T.P.	0 77	1029 90	12 17	1029 13		
1+00			5 4	1024 5	side hill	
T.P.	0 31	1018 17	12 04	1017 86		
1+50			6 3	1011 9	side hill	
T.P.	0 36	1006 67	11 86	1006 31		
2+00			4 6	1002 1	side hill	
2+35			8 3	998 4	bot. brk.	
2+50			7 9	998 8	ground	
3+00			5 8	1000 9	top brk.	
3+50			9 5	997 2	ground	
4+00			12 9	993 8	bot. brk.	
4+35			12 9	993 8	" "	
4+50			12 5	994 2	ground	
T.P.	11 92	1018 01	0 58	1006 09		
5+00			10 7	1007 3	side hill	
T.P.	11 25	1029 24	0 02	1017 99		
T.P.	11 87	1040 74	0 37	1028 87		

cont on pg 97

F.B. 2373 PG. 96

Job No. 0075.51 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of Hadley St. Ext. Date ____ Date ____ No. ____

Survey by J.H. Brown Notes K.M.K. Notes Chk. C. R. GOSS Checked ____ X-Sec. ____

Indexed C. Johnson Date ____ Date ____ No. ____

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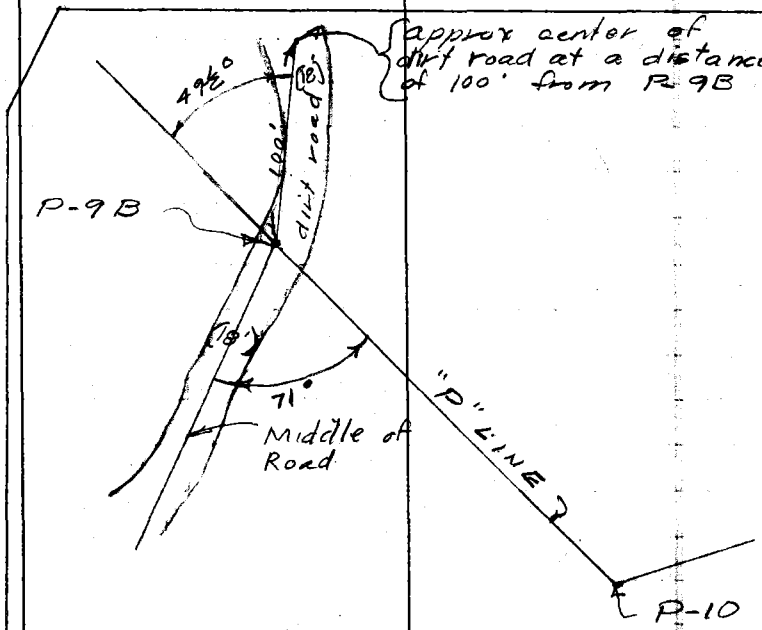
STATION	B. S.	H. I.	F. S.	ELEV.	
					cont from pg 96
5+50		1040 74	10 4	10303	side hill
5+07 3			1 2	10395	East edge dirt road
5+79 1			0 7	10400	Ctr. dirt road
" P-9B			1 79	1038 95	P-9B 1st Run Elev. = 1038.941 F.B. 2335-218
	END PROFILE				



Profile Notes Red ____ Plotted ____ Job No. 0075.51 Division No. ____ F.B. 2373 Pg. 97

No. ____ Date ____ Date ____ Survey of Hedley St. Ext.

X-Sec. Notes Chk'd C. R. GOSS Checked ____ Survey by J. H. Brown Notes K. M. K. Date 7-6-59

No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT	F. B. 2373	Pg. 99
Map No.	J.N. 0075.51 Tape 133 Std 84 °F		
Office Work	Surveyed by J. H. Brown		
Checked	Notes J. H. B Date 7-7-58		
Date	Indexed A. C. Johnson 2-8-59		

FIELD PROFILE TESTS
FROM P-10 S9°46'W for 600'
(Survey Division File Map No. 103-1

J.N. 0075.51

HADLEY ST. EXT.

July 7 1959

PARTY:
J. H. Brown
K. M. Kapp
L. C. Smileg
B. Nunez
G R Merino

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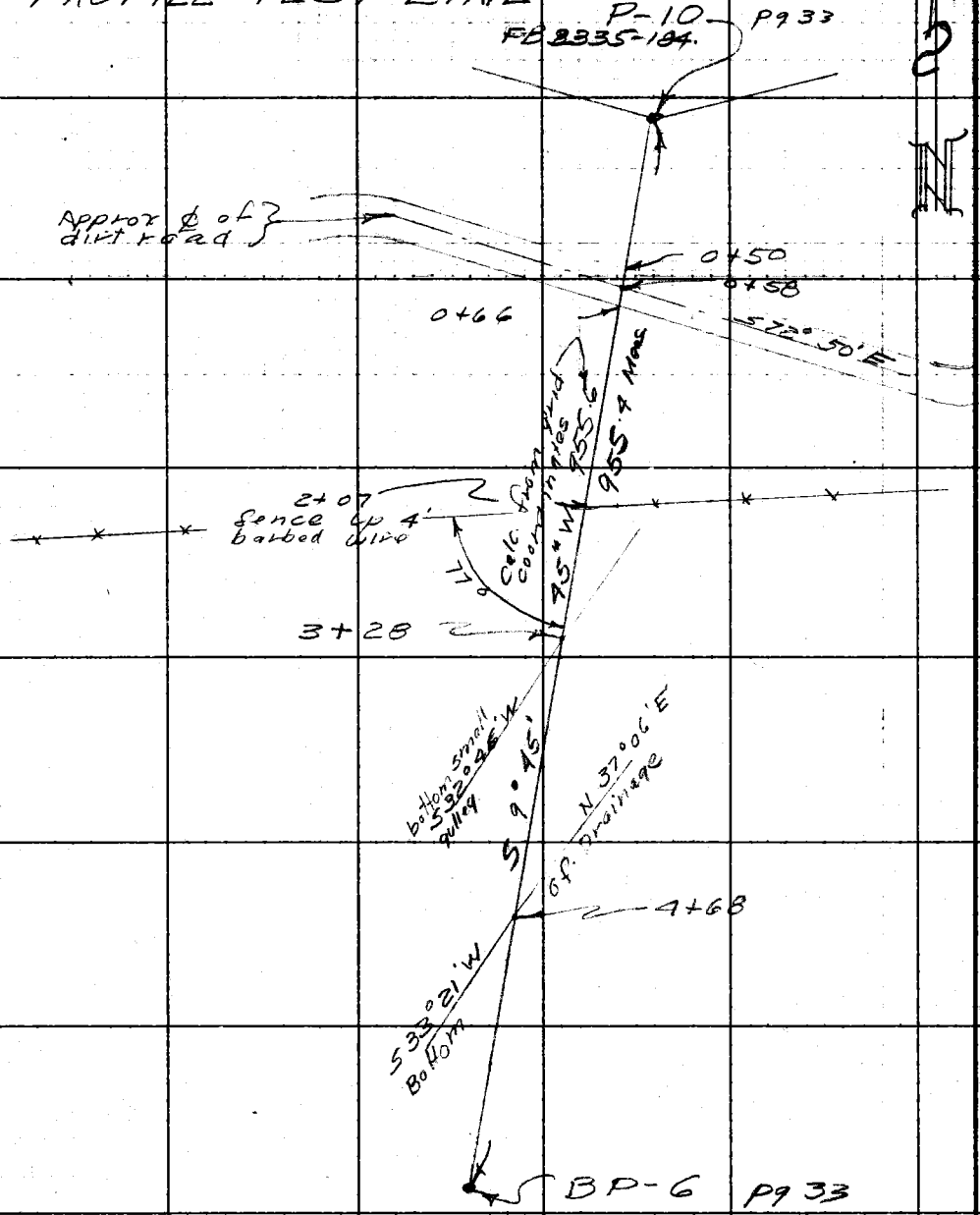
763095 CE #247—7-58

F.B. 2373 PG. 100

TOPOGRAPHIC FEATURES ON PROFILE TEST LINE



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Profile No. ____ X-Sec. No. ____

Notes Red ____ Plotted ____ Job No. 0075.51 Division No. ____
Date ____ Date ____ Survey of Hadley St. Ext.
Notes Chkd C. R. GOSS Checked ____ Survey by J.H.B. Notes J.H.B. Date 7-7-59
Date ____ Date ____ Map No. ____ Index [redacted]

F.B. 2373 PG. 101

FIELD PROFILE TEST

Elevations on Line from P-10
S 9° 45' 45" W 600' toward BP-6.
(Survey Division File Map No 103-1)

J.N 0075.51

HADLEY ST EXT.

July 7 1930

STATION	B.S.	H.I.	F.S.	ELEV.
			Party: J.H. Brown, L.C. Smiley, B. NUNEZ, G.R. Merino	

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
P-10					
0+00	5 28	1040 55		1035 27	P-10 1st Run Elev. = 1035.268 F.B. 2335-219
0+50			62	10344	ground break
0+53			69	10337	ground North edge road
0+66	0 62	1032 78	8 39	1032 16	T.P. South edge Rd
0+81			47	10281	ground break
T.P. 0+95.5	1 09	1022 84	11 03	1021 75	T.P. break
1+04			32	10196	ground break
T.P.	0 49	1012 39	10 94	1011 90	
1+29			40	10084	break ground
T.P.	2 35	1008 40	6 34	1006 05	1X1
1+50	1 17	997 93	11 64	996 76	1X1 T.P.
T.P.	0 73	987 26	11 40	986 53	1X1
T.P.	0 69	977 37	10 58	976 68	1X1
2+07	0 60	971 82	6 15	971 22	ground (fence line)
T.P.	1 16	961 62	11 36	960 46	1X1
T.P.	0 03	950 25	11 40	950 22	1X1
2+50			20	948 3	ground
T.P.	0 20	938 71	11 74	938 51	1X1
T.P.	0 93	929 20	10 44	928 27	1X1
2+93			49	924 4	ground break
3+00	0 10	919 17	10 13	919 07	1X1 T.P.

Cont. Pg. 103

F.B. 2373 PG. 102

Job No. 0075.51 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of Hadley St. Ext. Date ____ Date ____ No. ____

Survey by J. H. Brown Notes J. H. B. Notes Chk. C. R. GOSS Checked ____ X-Sec. ____

Indexed J. C. Johnson Date ____ Date ____ No. ____

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
3+00		919 17		919 07	Cont. fr. Pg. 102	
T.P	1 26	910 09	10 34	908 83		
3+28.3	1 56	903 38	8 27	901 82	1X1 T.P bottom of Gully	
3+50	1 68	898 10	6 96	896 42	1X1 T.P	
3+88	0 66	887 39	11 37	886 73	1X1 T.P break	top small spur
4+00	0 20	881 99	5 60	881 79	1X1 break	middle small spur
T.P	1 02	872 79	10 22	871 77	1X1	
T.P	1 60	864 52	9 87	862 92		
4+50	1 00	857 25	8 27	856 25	1X1 T.P break NW side drainage	
4+68			10 4	846 9	ground bottom of drainage	
4+79			9 3	848 0	ground top of bank	
T.P	8 43	855 96	9 72	847 53		
(bubble off) 5+00	~~0 54~~ 0 64	844 93	11 67	844 29	1X1 T.P	
T.P	0 24	835 21	9 96	834 97		
T.P	0 96	825 11	11 06	824 15		
T.P.	3 56	818 47	10 20	814 91		
6+59.8 Transit	5 43	816 66	7 24	811 23	nail Transit Pt (weather warm temp not taken)	
			34 63	782 0	Slope dist = 297.13 @ -5°55' = -30.63 (vert Dist)	
					- 4.00 Rod	
					- 34.63 Total Rod	
					BP-6.	
					Elev = 781.9 per Spec. sheet	

Profile Notes Red ____ Plotted ____ Job No. 00755 Division No. ____ F.B. 2373 Pg. 103

No. ____ Date ____ Date ____ Survey of Hadley St. Ext.

X-Sec. Notes Chk. C. R. GOSS Checked ____ Survey by J. H. Brown Notes J.H.B. Date 7-7-59

No. ____ Date ____ Date ____ Map No. ____ Index ____

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	IN 007551 Tape 138 Std 84 of
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 7-59
Date	Indexed C. Johnson

F. B. 2373 Pg. 105

FIELD PROFILE TESTS

FROM P 10-B to Pt "E"

(SURVEY Division File Map Nº 103-1)

J.N. 007551

HADLEY ST. EXT.

June 30 1959.

PARTY:

J. H. Brown

L.C. SMILEY

K.M. Kapp

B. NUNEZ

G.R. MEHMO

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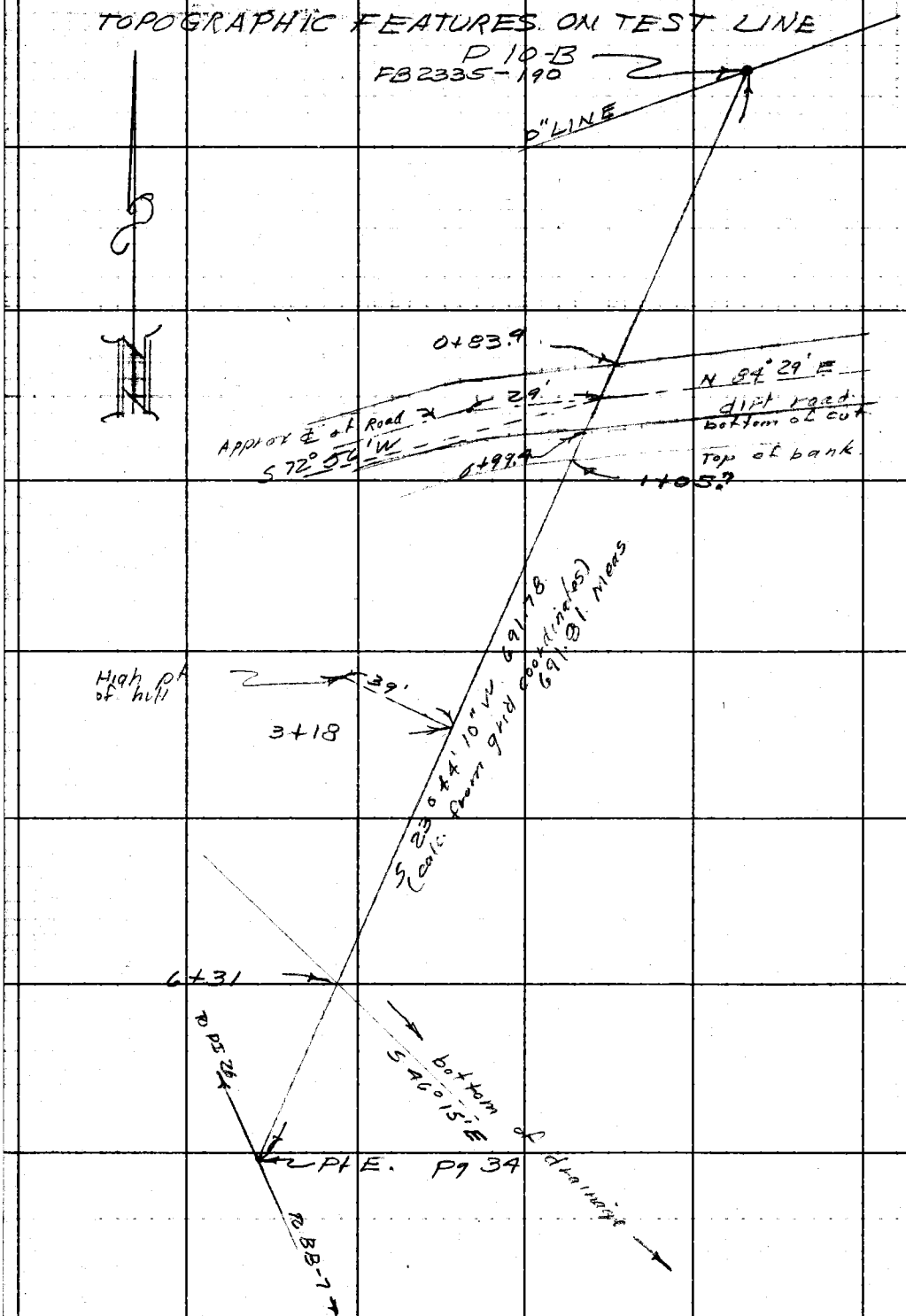
763098 CE #247—7-53

F. B. 2373 PG. 106

TOPOGRAPHIC FEATURES ON TEST LINE



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Profile No. ____ X-Sec. No. ____

Notes Red ____ Plotted ____ Job No 007551 Division No. ____
Date ____ Date ____ Survey of Hadley St. Ext.
Notes Chk C. R. GOSS Checked ____ Survey by J. H. Brown Notes J. H. B. Date 6-30-59
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2373 PG. 107

PROFILE FIELD TESTS

Elevations on line P-108 to Pt. "E"
(Survey Division File Map No. 103-1)

J.N. 007551
HADLEY ST. EXT.

June 30 1959

STATION	B.S.	H.I.	F.S.	ELEV.

Party:
J.H. Brown
L.C. Smiley
B. Nunez
G.R. Merino

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76L298 307 10-51

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
P-10 B	12 24	1063 71		1051 47	P10-B 1st Run Elev.=1051.472 FB2335-222	
0+02			9 5	1054 2	ground top of bank (small wash)	
0+10			7 4	1056 3	" brk.	
0+20			3 9	1059 8	" top of bank (N.E. side small wash)	
0+30			2 3	1061 4	" bot. of ditch	
0+33	12 23	1075 20	0 74	1062 97	1X1 flush T.P.	
0+36			10 5	1064 7	ground brk	
0+50			5 7	1069 5	"	
0+65 7	12 20	1087 12	0 28	1074 92	1X1 flush T.P. (chain. pt.)	
0+83 4			4 8	1082 3	" " N. edge road	
0+99 4			4 6	1082 5	" " S. " "	
1+02 6	12 21	1098 16	1 17	1085 95	" " T.P. top of bank (S. side rd.)	
T.P.	8 02	1103 79	2 39	1095 77	" " side hill 30' S.E. of line T.P.	
BM H-13	5 47	1106 80	2 46	1101 33	BM H-13 1st Run Elev.=1101.33 FB2335-221	
1+50	11 69	1112 62	5 87	1100 93	1X1 flush T.P.	
2+00	9 15	1120 94	0 83	1111 79	" " "	
2+50	6 43	1124 45	2 92	1118 02	" " "	
3+00			5 5	1119 0	ground	
3+18			5 2	1119 3	" high pt. of hill (off. 39' to N.W.)	
3+50	6 15	1122 62	7 98	1116 47	1X1 flush T.P.	
4+00	0 15	1111 28	11 49	1111 13	1X1 flush T.P.	cont. Pg. 109

B.2273 PG.108

Profile No. ____ X-Sec. No. ____

Job No. 00276.5 Division No. ____ Notes Red. ____ Plotted ____ Date ____

Survey of Hadley St. Ext. Date ____ Checked ____ Date ____

Survey by J.H. Brewer Notes J.H.B. Notes Ch. E. R. GOSS Date ____

Indexed K. C. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
4+00	0 15	1111 28		1111 13	Cont. fr. Pg. 108	
4+50			8 7	11026	ground	
4+62	0 15	1100 49	10 94	110034	1x1 flush T.P.	
5+00	0 56	1091 85	9 20	109129	" " "	
5+27 ½	0 70	1082 63	9 92	108193	" " " brk.	
5+45	0 73	1073 21	10 15	107248	" " "	
5+50			4 3	10689	ground	
T.P.	0 56	1063 67	10 10	106311	1x1 flush 25' W. of line	
5+66			5 1	10586	ground brk.	
5+81	1 19	1054 65	10 21	105346	1x1 flush T.P.	
6+00			5 9	10488	ground	
6+20			9 2	10455	" brk.	
6+30			11 5	10432	" bot. drain	
6+34			10 6	10441	"	
6+50			7 3	10474	"	
6+74	7 55	1060 75	1 45	105320	1x1 flush T.P.	
Pt. "E" 6+91.81			4 49	105626	Pt. "E" Elev. = 1056.32 F.B. 2373-41	

Profile Notes Red. ____ Plotted ____ Job No. 0075.51 Division No. ____ F. B. 2373 PG. 119
No. ____ Date ____ Date ____ Survey of Hadley St. Ext.
X-Sec. Notes Chkd. C. R. GOSS Checked ____ Survey by J. H. Brown Notes J.H.B. Date 6-30-59
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

Notes Ck'd by C. R. GOSS	Survey of HADLEY ST EXT
Map No.	JN 0075.51 Tape 1.38 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 6-30-59
Date	Indexed [illegible]

F. B. 2373 Pg. 111

FIELD PROFILE TEST
From BP-9 S 12° 48' E for 577.8 ft.
(SURVEY DIVISION FILE MAP No 103-1)

J. N. 0075.51

HADLEY ST. EXT.

June 30 1959

PARTY
J. H. Brown
L. C. Smiley
B. Nunez
G. R. Merino

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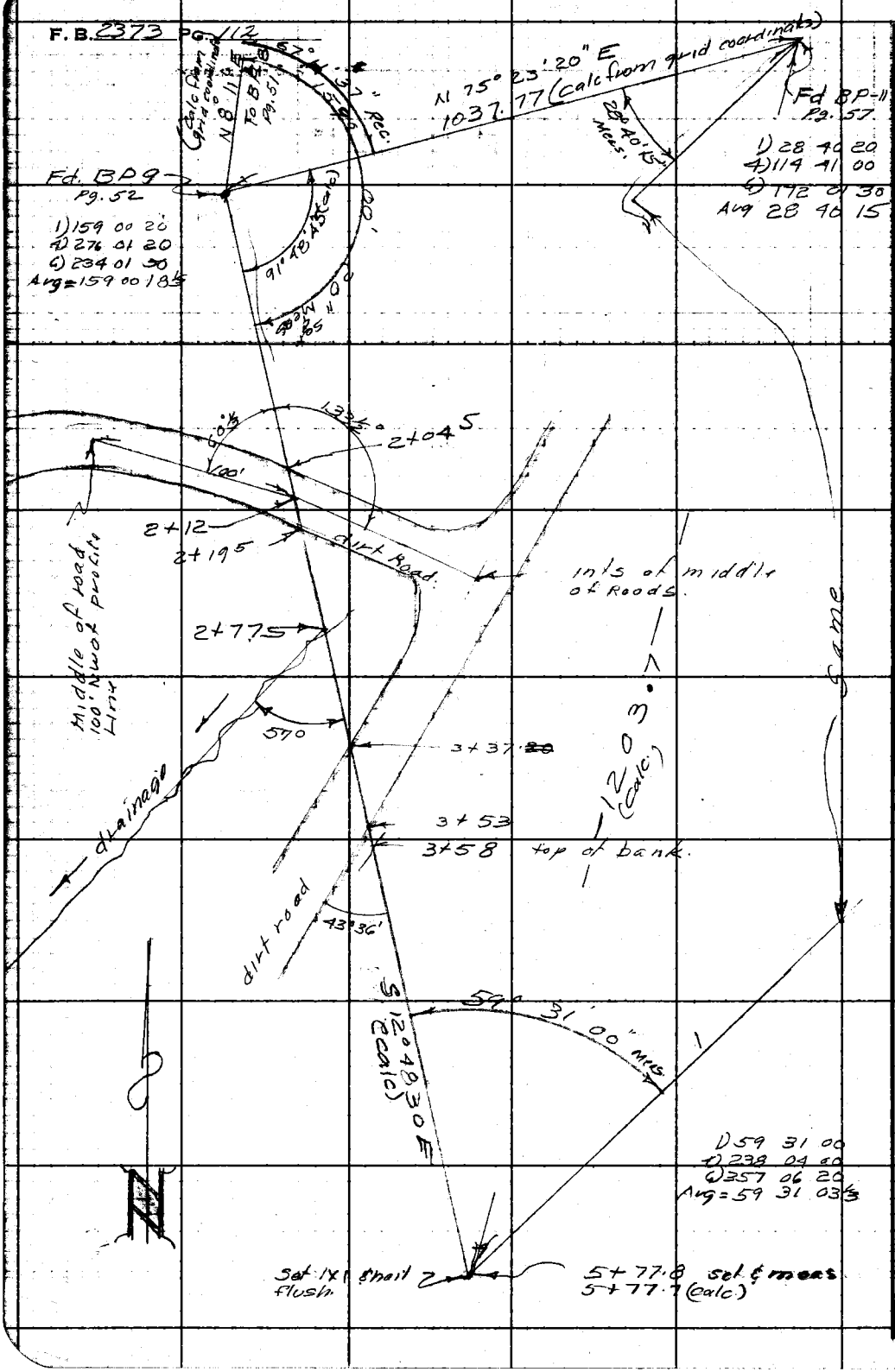
763098 CE #247—7-53



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Profile No.	Notes Red	Plotted	Job No. 0075.51	Division No.	F.B. 2373 Pg. 113
	Date	Date	Survey of Hadley St. Ext.		
X-Sec. No.	Notes Chkd C. R. GOSS	Checked	Survey by J.H. Brown	Notes J.H.B.	Date 7-59
	Date	Date	Map No.	Indexed E. G. Johnson	

PROFILE FIELD TEST
From BP-9, S 12°48'E for 578'
(SURVEY DIVISION FILE MAP Nº 103-1)

J. No 0075.51 HADLEY ST. EXT.

June 30, 1959

PARTY:
J.H. Brown
L.C. SMILEY
B. NUNEZ
G.R. Merino

STATION	B.S.	H.I.	F.S.	ELEV.

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76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
Fd. 0+00						
BP-9	1 73	1084 33		1082 60	BP-9 Elev. = 1082.60	F.B. 2373-52
0+03			0 8	1083 5	ground	
0+15			0 9	1083 4	" brk.	
0+50			4 4	1079 9	1X1 flush	
T.P. 0+87	0 26	1072 78	11 81	1072 52	" "	
1+00			3 3	1069 5	" "	
1+34	0 50	1061 60	11 68	1061 10	T.P. 1X1 flush	
1+50			5 2	1056 4	ground	
1+70	0 19	1051 73	10 06	1051 54	T.P. 1X1 flush	
2+00			7 5	1044 2	ground	
2+04 5			9 1	1042 6	" N. edge road	
2+19 5	0 33	1040 81	11 25	1040 48	T.P. 1X1 flush S. edge road	
2+50			6 8	1034 0		
2+60			8 7	1032 1		
2+77 2			13 5	1027 3	1X1 bot. drainage	
2+90			12 8	1028 0	ground brk.	
3+00			12 8	1028 0	"	
3+30			10 8	1030 0	" brk.	
3+37 2			8 9	1031 9	" edge road	
3+53 3			9 0	1031 8	" " "	bot. bank

F.B. 2373 PG. 114

Job No. 0075.51 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of Hadley St. Ext. Date ____ Date ____ No. ____

Survey by J.H. Brown Notes J.H.B. Notes Chk'd C. R. GOSS Checked ____ X-Sec. ____

Indexed C. Johnson Date ____ Date ____ No. ____

76L298 307 10-51

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
3+59 4		1040 81	6 5	1034 3	1X1 flush	
3+89 4	12 13	1052 28	0 66	1040 15	" " T.P.	
4+00			10 0	1042 3	ground	
4+50	11 67	1062 47	1 48	1050 80	1X1 flush T.P.	
5+00			3 6	1058 9	ground	
5+20	7 12	1068 68	0 91	1061 56	1X1 flush T.P.	
5+32 6			6 0	1062 7	" "	
5+ 50			5 0	1063 7	ground	
5+ 77 8			4 54	1064 14	1X2 & nail flush	
					END	

Elev was checked by trig. Levels to BP-11 as follows:

π @ 5+77 8

Dist = 1203.7 (Calc) · Vert ∡ (Mean of D&R) | H.I. − Rod. | Diff. Elev

1203.7 X	tan −	3° 17	40"	= −69.27	+ (− 1.80) =	71.07
1203.7 X	tan −	3° 04	10	= −64 54	+ (− 6.80) =	71.34
π @ BP-11						
1203.7 X	tan +	3° 41	00	= +77.49	+ (− 6.07) =	71.42
1203 7 X	tan +	3° 26	40	= +72.45	+ (− 1.07) =	71.38

Avg Diff in Elev = 71.3
Elev BP-11 = 992.8
Elev 5+77.8 = 1064.1

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0075.5 Division No. ____ F.B. 2373 PG. 115
X-Sec. No. ____ Date ____ Date ____ Survey of Hadley St. Ext.
Notes Chkd C. R. GOSS Checked ____ Survey by J.H. Brown Notes J.H.B. Date 7-59
No. ____ Date ____ Date ____ Map No. ____ Indexed C. O. Johnson Date ____

Notes Ck'd by	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 117
Map. No.	JN 0075.51 Tape 0146 Std 68 °F	
Office Work	Surveyed by J.H. BROWN	
Checked	Notes J.H.B. Date 10-61	
Date	Indexed H. E. OTT NOV 13 '61	

HADLEY ST EXT.

ADDITIONAL ANGLES

for checks on

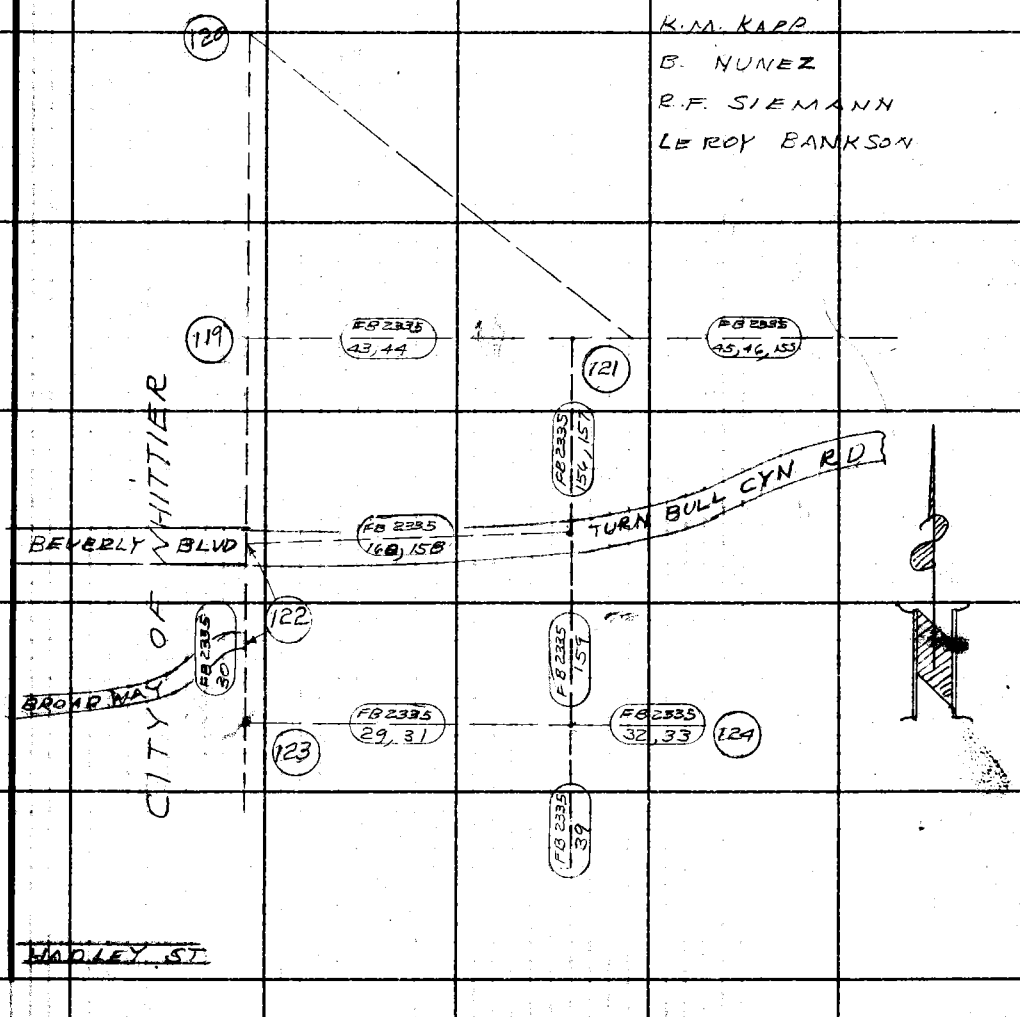
LINES SHOWN FB 2335 -

(NW¼ OF NW¼ SEC 22 T2S R11W.)

J. N. 0075.51

OCT, 1961

J.H. BROWN
K.M. KAPP
B. NUNEZ
R.F. SIEMANN
LEROY BANKSON



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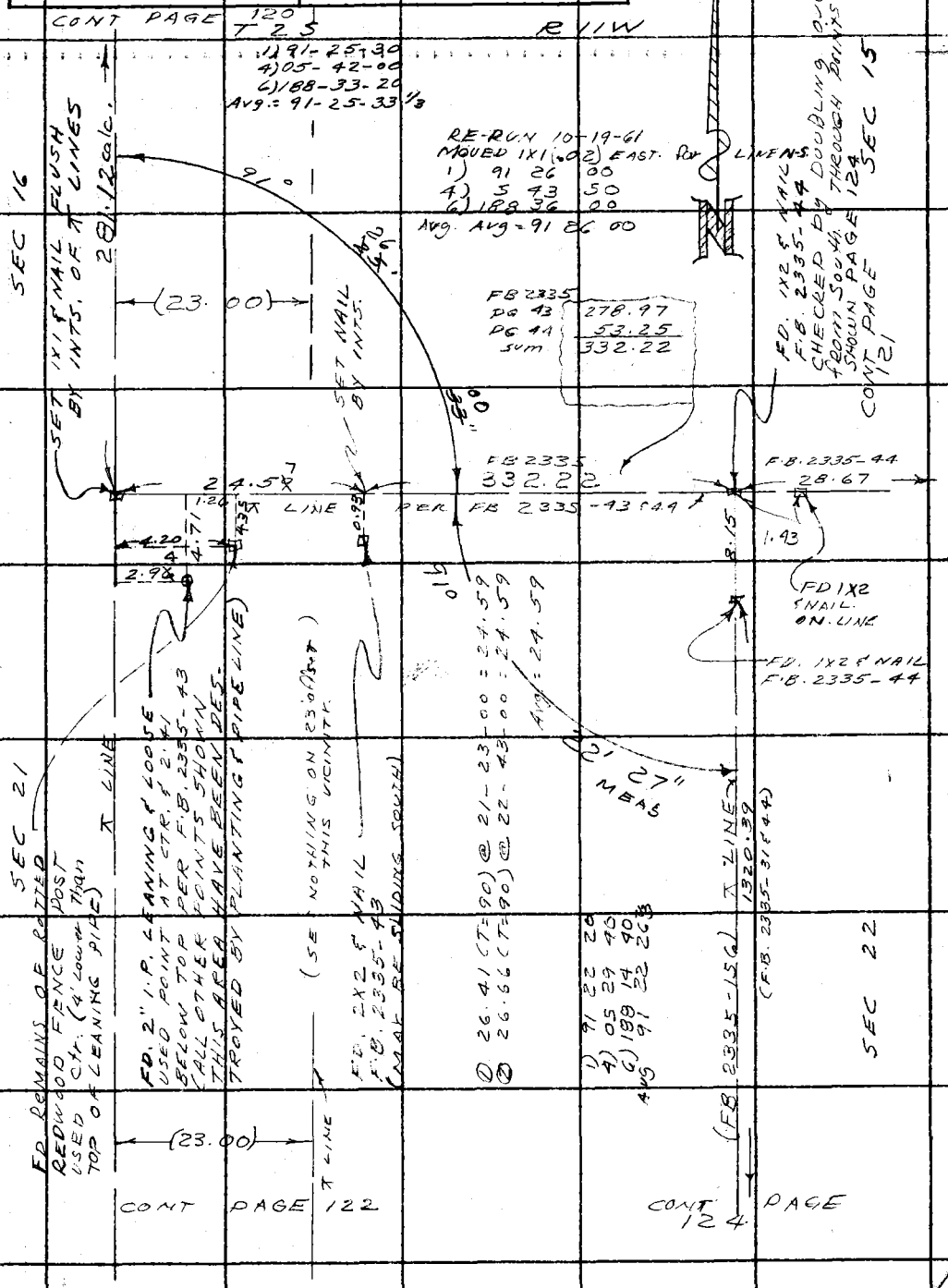
76F309S CE # 310 3-61

Notes Ck'd by	Survey of HADLEY ST EXT	F. B. 2373 PG. 119
Map. No.	JN 0075.51 Tape 0146 Std 68 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes K.M. K.& J.H.B. Date 10-61	
Date	Indexed H. E. OTT	



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76F309S CE # 310 3-61

F. B. 2373 PG 120 T 2 S R 11 W.

SEC 16

SEC 15

END THIS SURVEY

24.59 Pg. 119
332.22 " "
28.67 " " & 121
27.49 " "
412.97

Pg - 121
412.97
SIN 54 46 55 X SIN 33° 47' 17"
(816 96321) .55612237
281.12

N

SET NAIL BY INTS.

K LINE

FD. 1X2 & NAIL UP 2' (USED AS TIE TO TRANSIT LINE)

SET NAIL 23.00 OFF TRANSIT LINE FOR CHECKING LINE AT BEVERLY SEE Pg. 122 & 123

6.39

23.00

LINE OF SIGHT

54° 46' 55"

281.12 Calc

1) 54-46-50
4) 219-07-40
Avg.: 54-46-55

CONT PAGE 121

(23.00)

CONT LAST PAGE 119

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Map No.	JN0075.51 Tape 9146 Std. 68 °F
Office Work	Surveyed by J.H. BROWN
Checked	Notes J.H.B. Date 10-61
Date	Indexed

H. E. OTT

F. B. 2373 PG. 121

SEC 15 T 25 R 11W

FD 1X2 & NAIL ON LINE BETWEEN BP-1 & POINTS PER FB 2335 FD IN VICINITY USED TO EXTEND LINE TO WEST.

CONT. PG. 120

(PAGE 119) 91° 25 33
(PAGE 120) 54 46 55
SUM. 146 12 28
~~SUPPL. 33 47 32 CALC~~
33 47 17 MEAS

1) 33 47 10
4) 135 09 00
6) 202 43 40
AVG = 33 47 16 2/3

LINE OF SIGHT

FD 2X2 & NAIL FLUSH FB 2335-45

0.81

28.67 FB 2335-45 & MEAS.

27.49 MEAS.

3.59 M.

4.11 MEAS

34.80 MEAS

0.90

LINE

FD. 2X2 & NAIL FLUSH FB. 2335-45 (H-15)

FD NAIL FB 2335-45

FD. BP-1 FB 2335-155 & 46 CHECKED NEARBY POINTS USED FOR BACKSIGHT TO EXTEND LINE TO WEST.

N

2335-46

CONT FB

FD. 1X2 & NAIL FLUSH

FD NAIL FB 2335-45

CONT PAGE 119

NW 1/4 of NW 1/4 SEC 22 T 25 R 11W

NOTE: THERE ARE SEVERAL SURVEY POINTS IN THIS AREA WHICH WERE WIGGLE POINTS FOR TRIANGULATION THAT WAS ABANDONED & STRADDLERS & INTERSECTION POINTS SET BY THIS PARTY & OTHERS FOR WHICH NO REFERENCE EXISTS. THEY ARE SHOWN ON THESE PAGES. TO MAKE IDENTIFICATION OF THE POINTS WE USED MORE POSITIVE.

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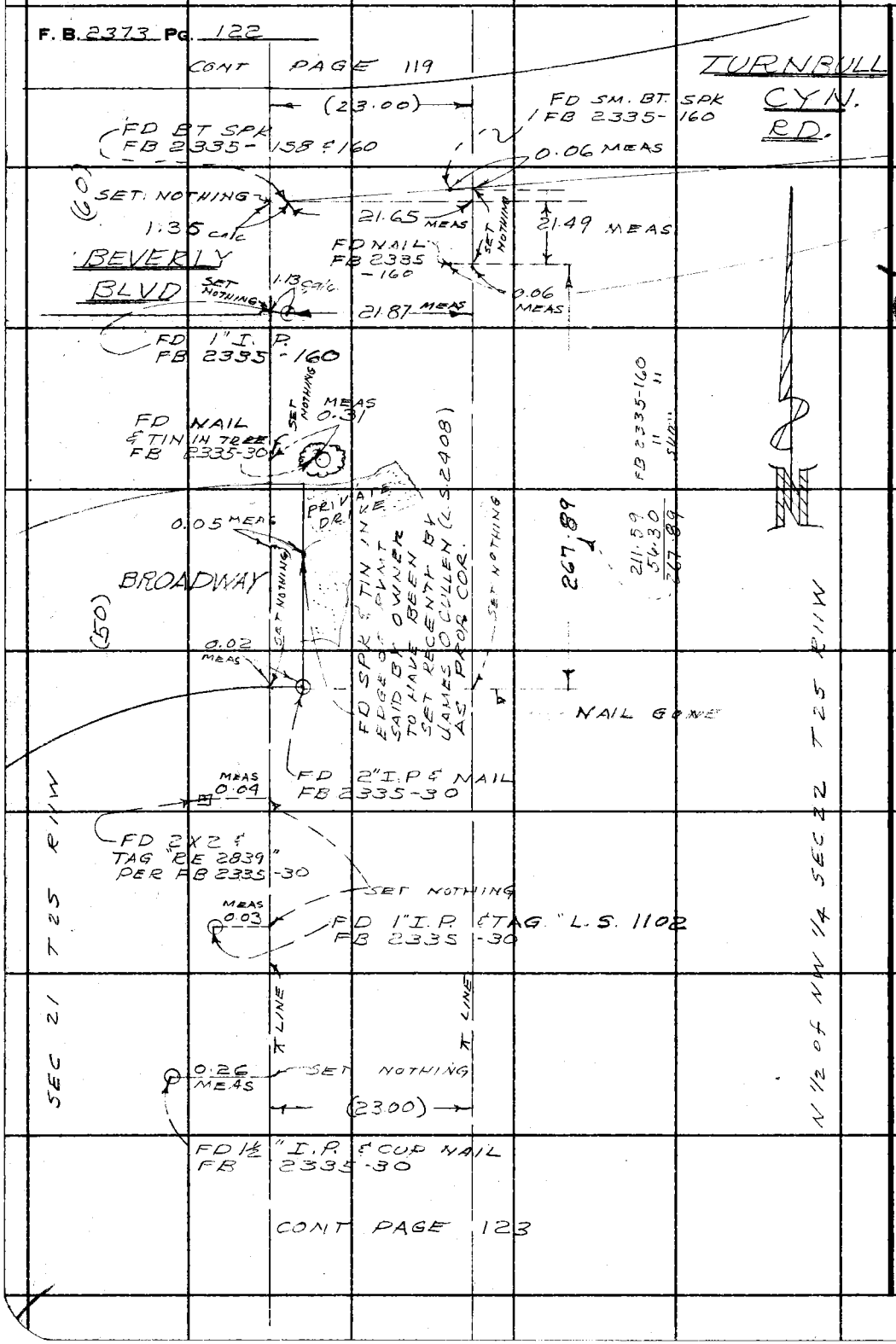
76F309S CE # 310 3-61

F. B. 2373 Pg. 122



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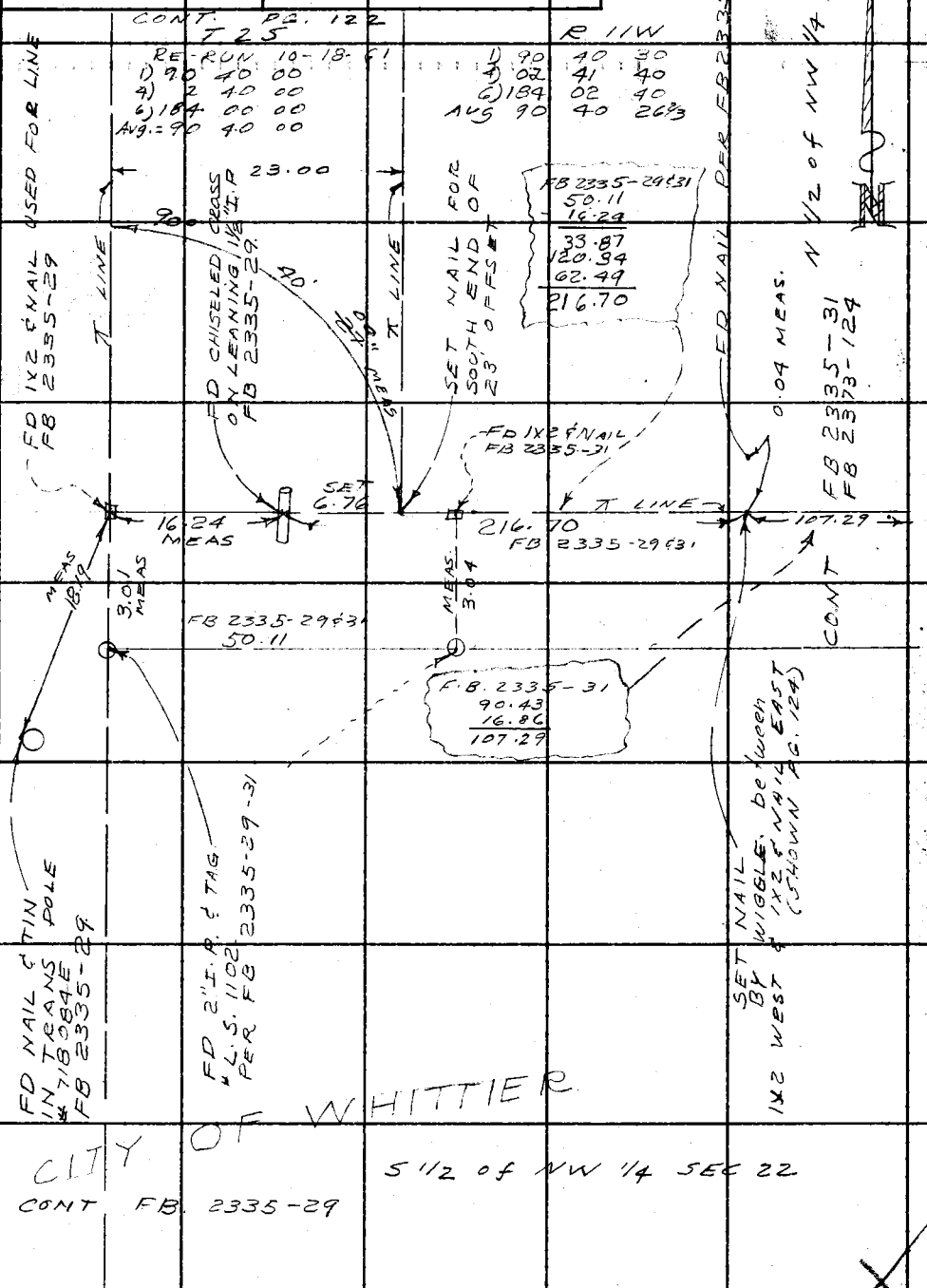
Notes Ck'd by	Survey of HADLEY ST EXT	F. B. 2373 PG. 123
Map No.	JN 0075.51 Tape 0146 Std 68 °F	
Office Work	Surveyed by J H BROWN	
Checked	Notes J H B Date 10-61	
Date	Indexed H. E. OTT	



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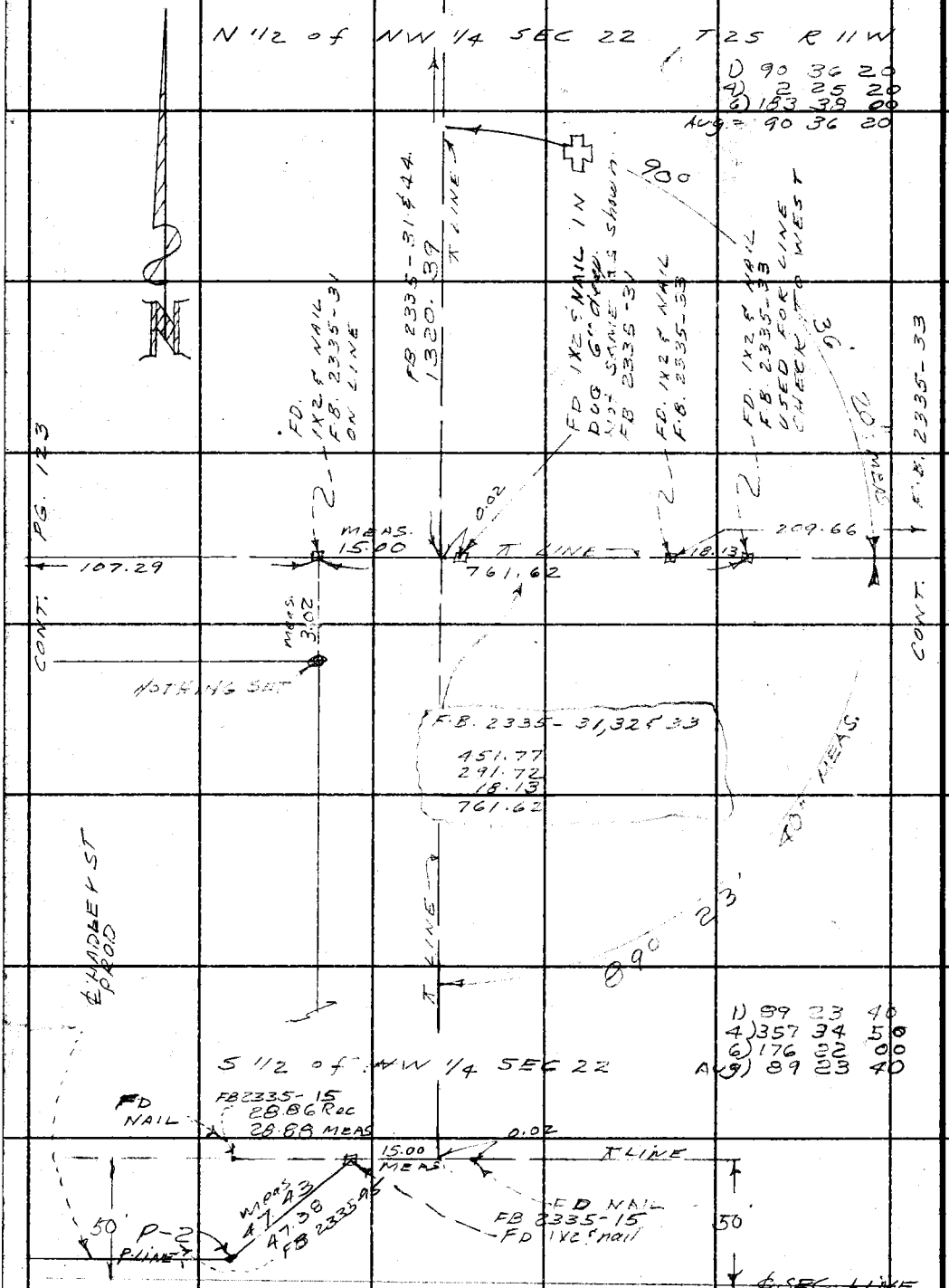
76F309S CE # 310 3-61

F. B. 2373 PG. 124

CONT. PG. 119

N 1/2 of NW 1/4 SEC 22 T25 R11W

1) 90 36 20
4) 2 25 20
6) 183 39 00
Avg = 90 36 20



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Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.
Map No.	JN 0075.51 Tape 121 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 1-62
Date	Indexed H. E. OTT JUN 24

F. B. 22713 Pg. 125

HADLEY ST. EXT.
PROPOSED CENTER LINE from
HILL ST (WHITTIER)
to
LUITWIELER R.D.

J.N. 0075.51 Jan. 1962

PARTY:

J. H. Brown
K. M. Kapp
R. F. Siemann
R. A. Moore

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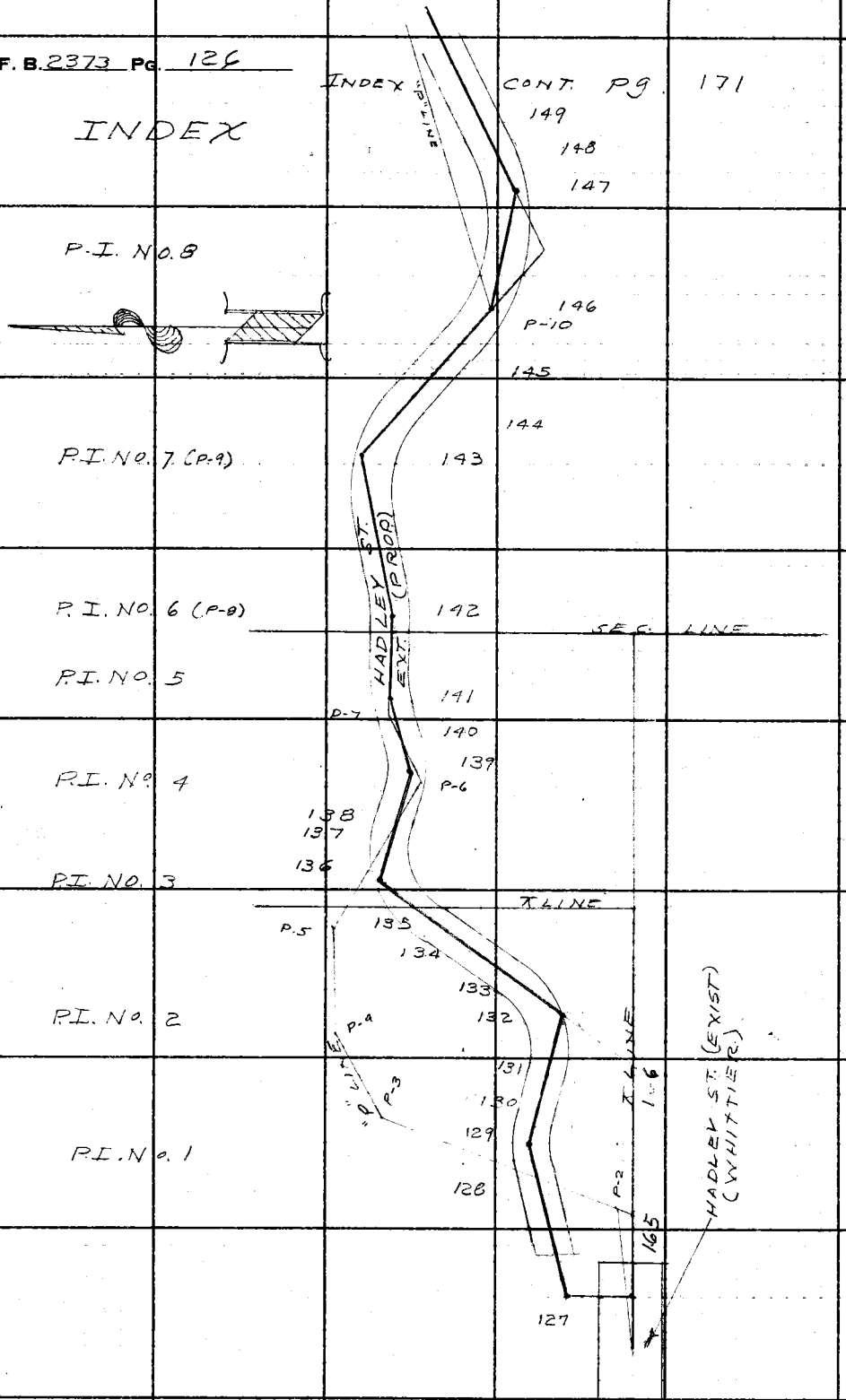
76F309S CE # 310 9-61

F. B. 2373 Pg. 126

INDEX



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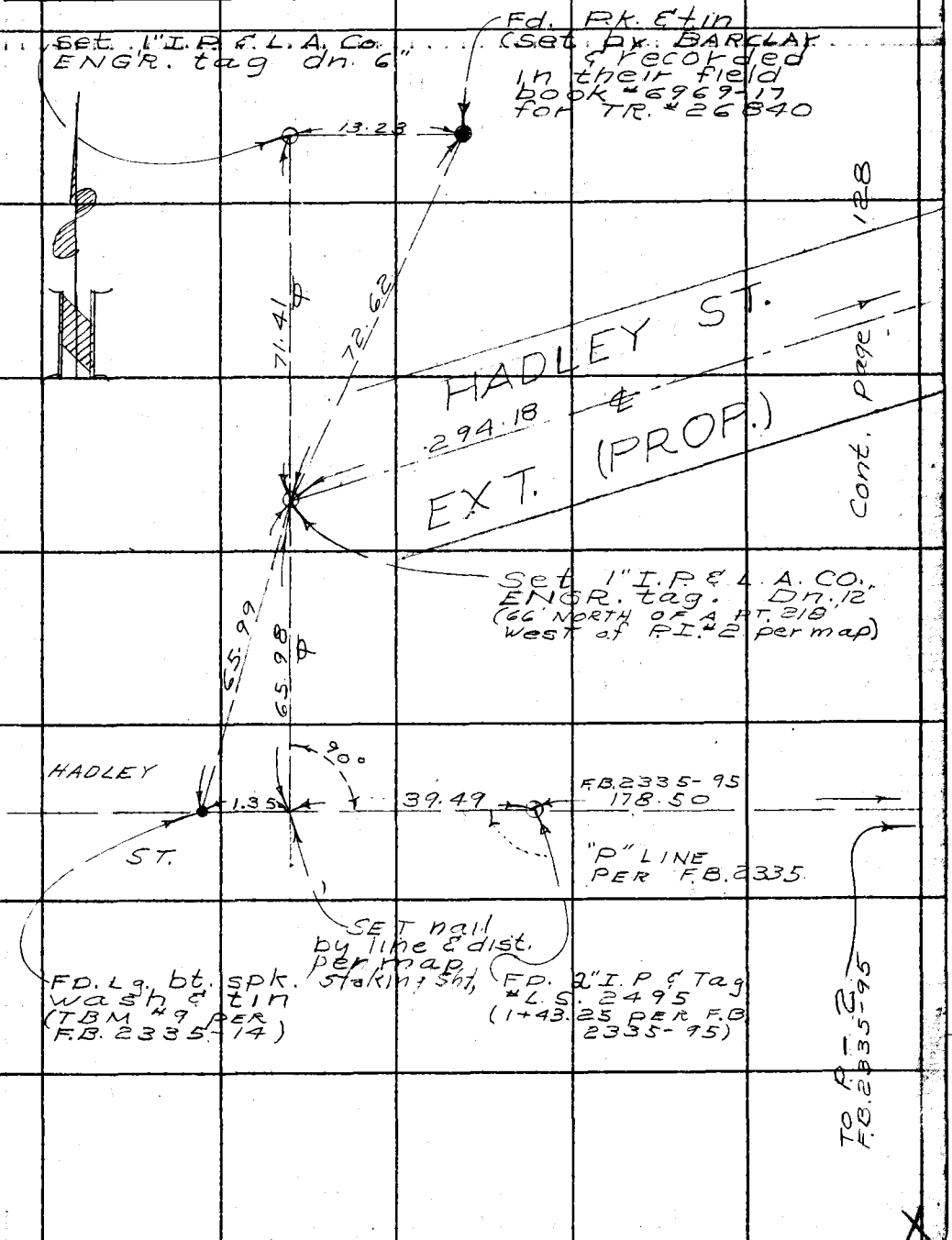
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 127
Map No.	JN 0075.51 Tape 0146 Std 68 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes J. H. B. Date 10-61	
Date	Indexed H. E. OTT	



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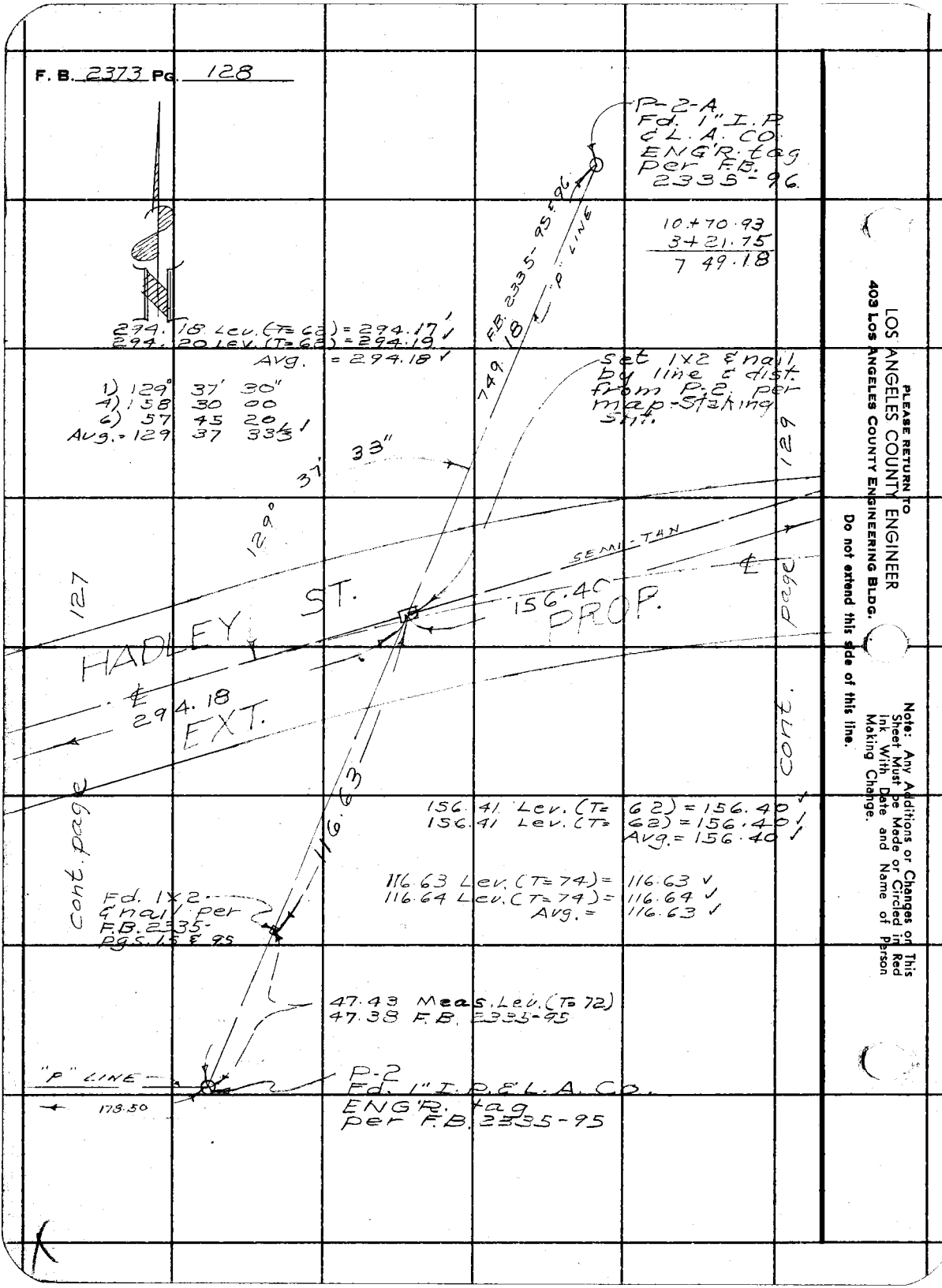
76F309S CE # 310 3-61

F. B. 2373 Pg. 128



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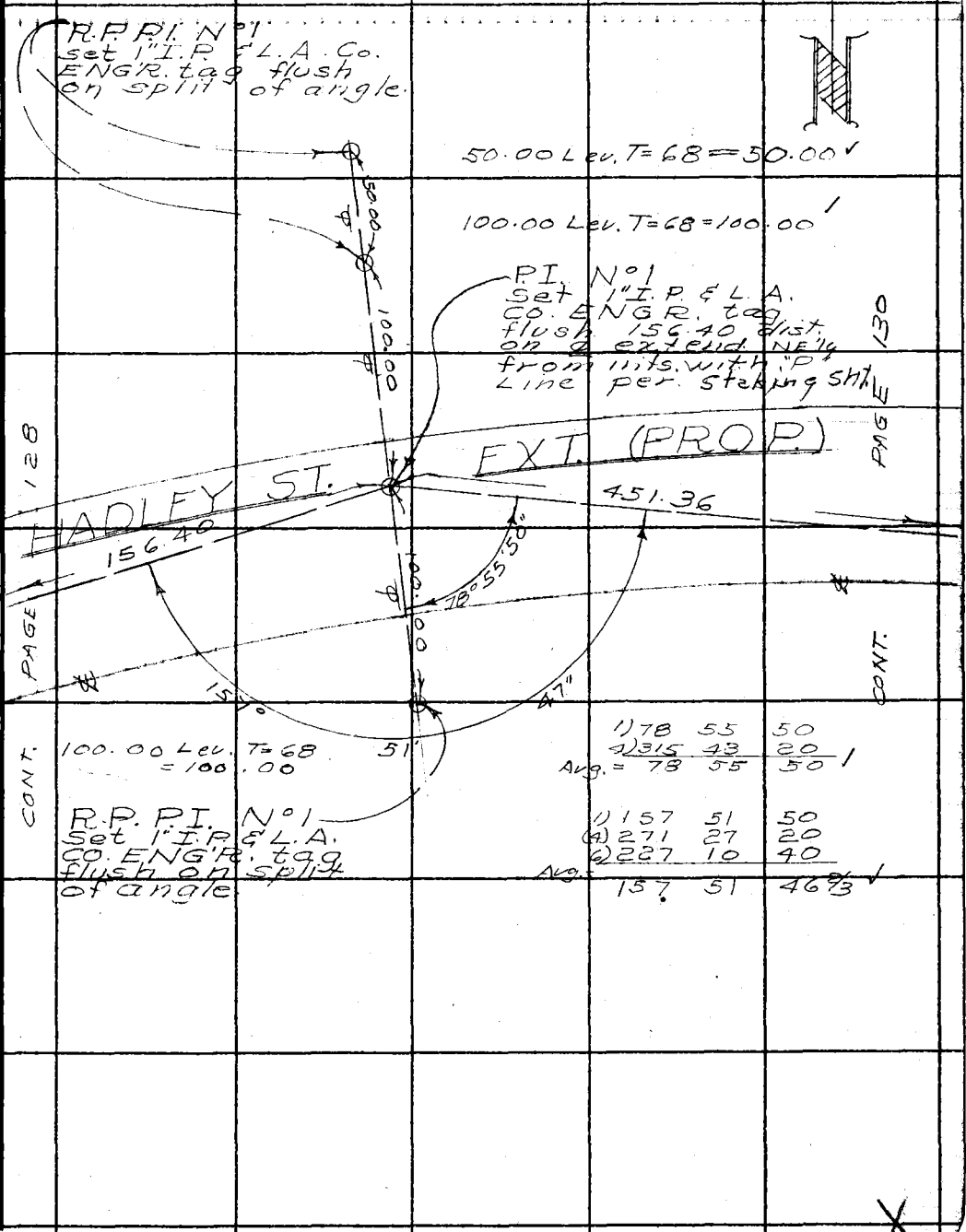
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.
Map. No.	JN 2075-SL Tape 0146 Std 68 °F
Office Work	Surveyed by J.H. BROWN
Checked	Notes J. H. B. Date 10-61
Date	Indexed H. E. OTT

F. B. 2373 PG. 129



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76F3088 CE # 310 3-61

F. B. 2373 Pg. 130

TAPE # 121 STd. @ 84°

206.84 (T=74) @ 15°40'40" = 199.14
207.13 (T=74) @ 15°57'00" = 199.15 } Avg. = 199.14

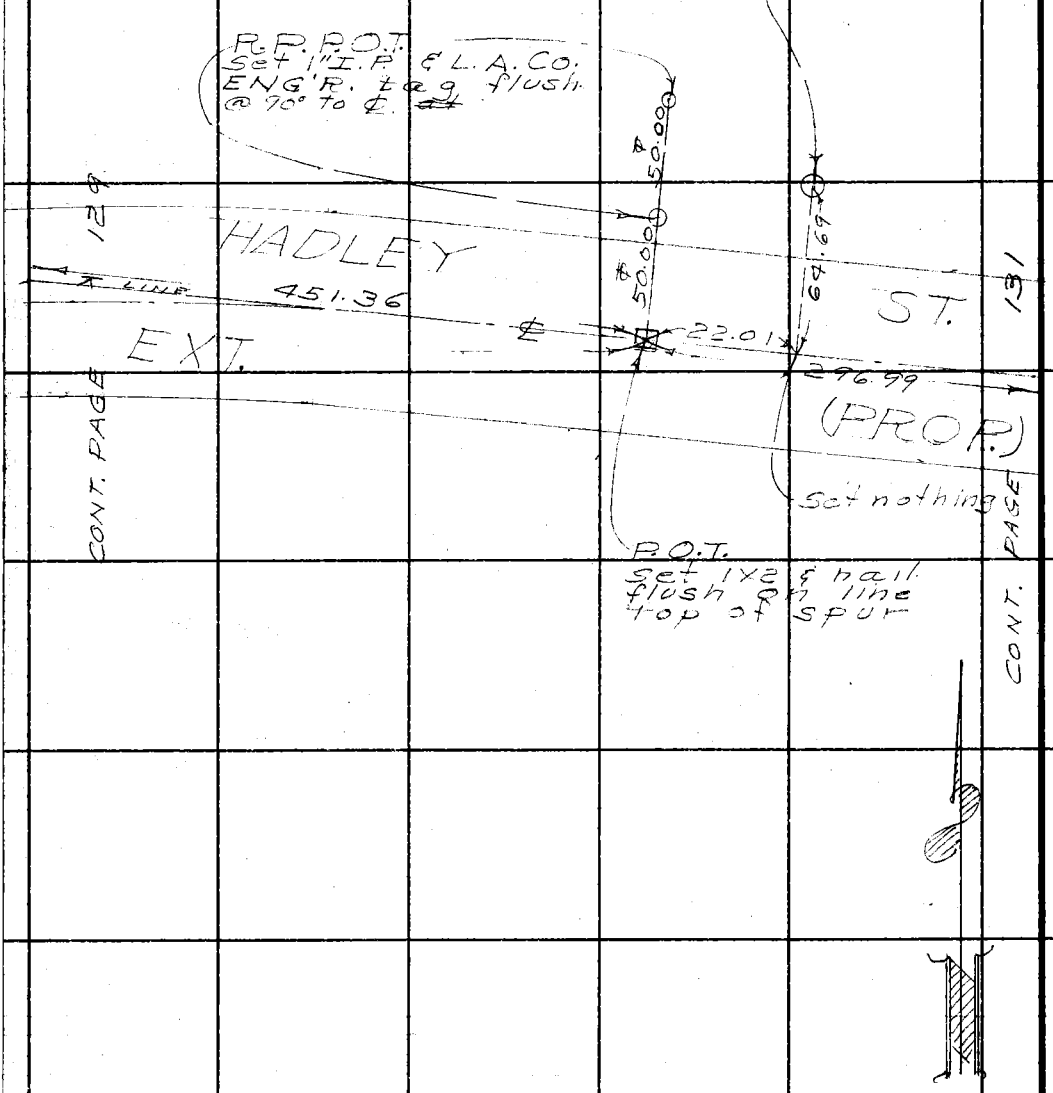
193.02 (T=76) @ 20°47'20" = 180.44
192.74 (T=76) @ 20°33'40" = 180.45 } Avg. = 180.44

71.90 (T=74) @ 3° 22' = 71.78
17.84 + 53.94 (T=74) @ Lev. = 71.78 } Avg. = 71.78

Sum = 451.36

50.00 Lev. (T=78.) = 50.00

50.00 Lev. (T=78) = 50.00



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Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.
Map No.	JN 2075 Tape 121 Std 84 °F
Office Work	Surveyed by J.H. BROWN
Checked	Notes J.H.B. Date 10-61
Date	Indexed H. E. OTT

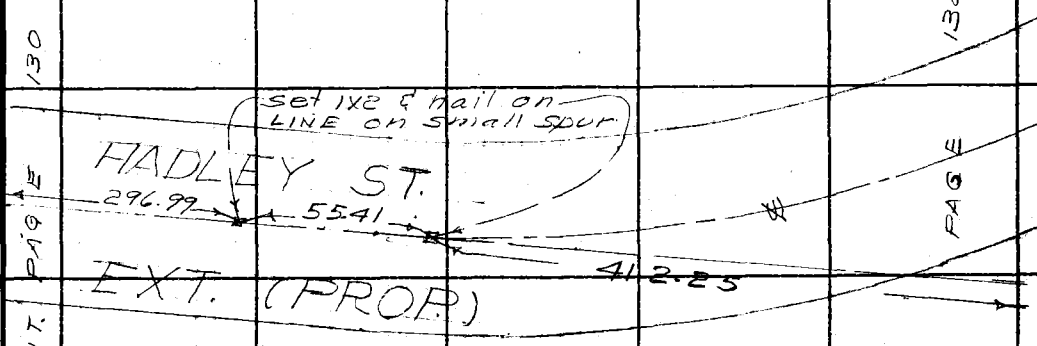
F. B. 2378 PG. 131

298.77 (T=76) @ 6°12' = 297.00
298.65 (T=76) @ 6°01' = 296.98
Avg. = 296.99

55.41 Lev. (T=78) = 55.41
55.41 Lev. (T=78) = 55.41 } Avg. = 55.41

296.57 (T=74) @ 7°16' = 294.17
296.44 (T=74) @ 7°04' = 294.17 } Avg. = 294.17

124.40 (T=74) @ 18°20'00" = 118.08
124.16 (T=74) @ 17°59'20" = 118.08 } Avg. = 118.08
Sum 412.25



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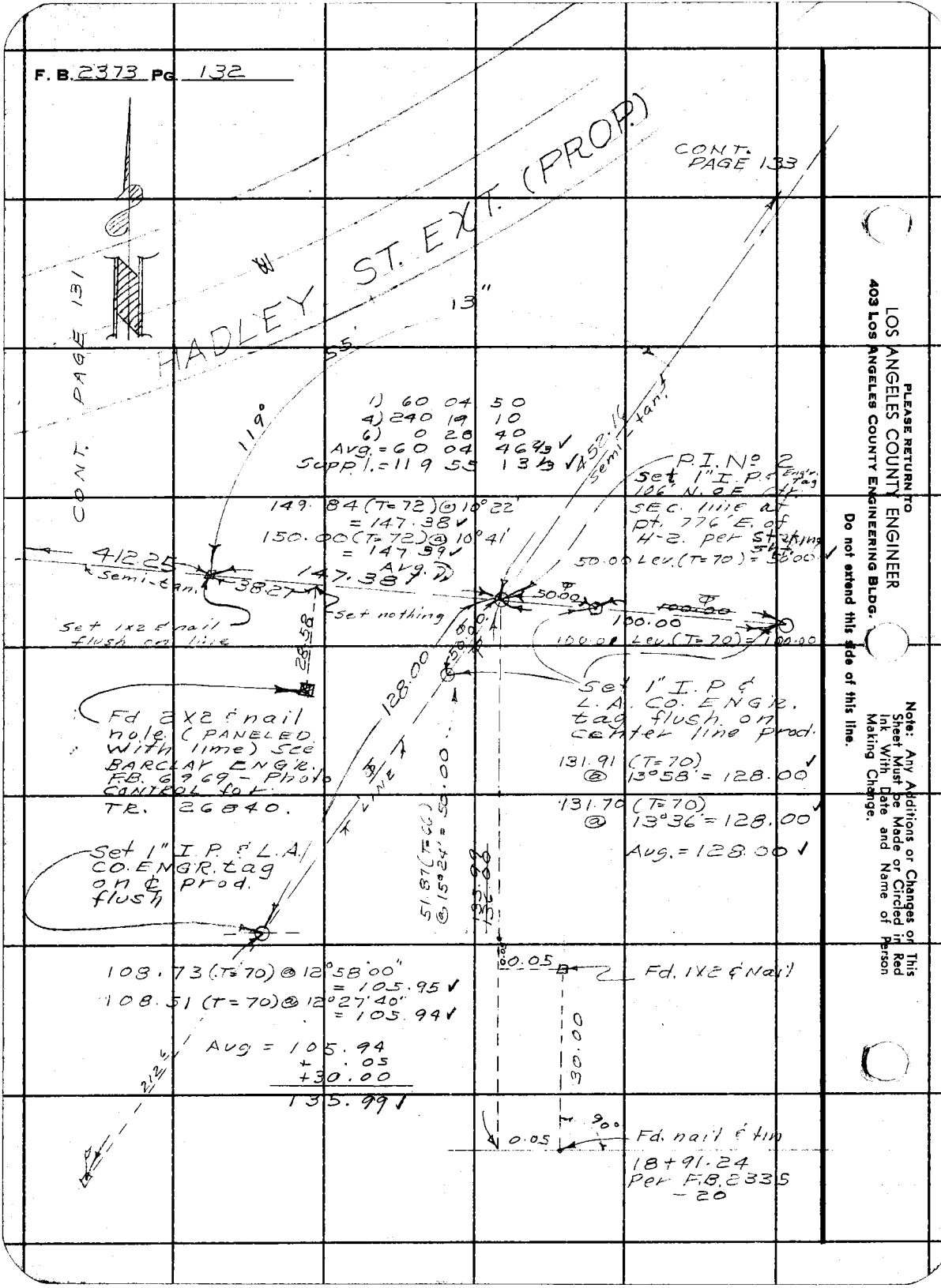
76F308S CE # 310 2-61

F. B. 2373 PG. 132



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Map No.	JN 0075.51 Tape 121 Std 84 °F
Office Work	Surveyed by U. H. BROWN
Checked	Notes U. H. B. Date 10-61
Date	Indexed H. E. OTT

F. B. 2373 Pg. 133

CONT. PAGE 134

270.80 (T=66) @ 6°15' = 269.16 ✓
270.90 (T=66) @ 6°26' = 269.16 ✓
Avg. = 269.16 ✓

HADLEY ST. EXT. (PROP.)

269.16

Set 1x2 & nail flush on line

294.14

294.59 (T=64) @ 3°02' = 294.14 ✓
294.51 (T=64) @ 2°41' = 294.15 ✓
Avg. = 294.14 ✓

Set 1x2 & nail flush on line

PAGE 132

133.79 (T=64) @ 4°47' = 133.30 ✓
133.72 (T=64) @ 4°30' = 133.29 ✓ Avg. = 133.30 ✓

237.44 (T=62) @ 4°30' = 236.68 ✓
237.50 (T=62) @ 4°42' = 236.67 ✓ Avg. = 236.68 ✓

CONT.

SEMI-TAN 452.16

83.69 (T=70) @ 10°51'00" = 82.18 ✓
83.87 (T=70) @ 11°27'20" = 89.19 ✓ Avg. = 82.18

TOTAL 452.16 ✓

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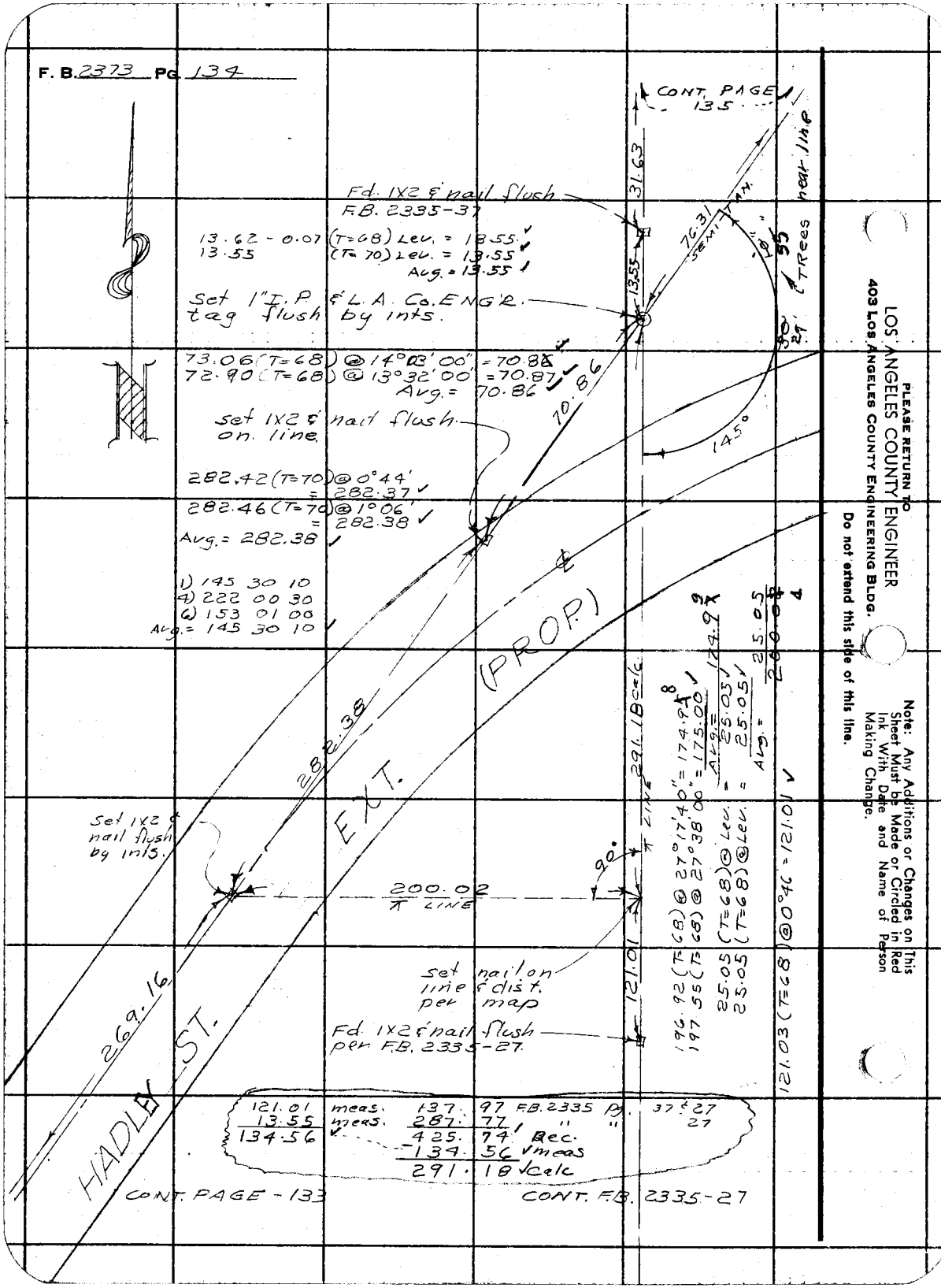
76F3095 CE # 310 3-61

F. B. 2373 Pg. 134



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Notes Ck'd by	Survey of HADLEY ST. EXT.
Map No.	JN 0075-51 Tape 121 Std 89 °F
Office Work	Surveyed by J H BROWN
Checked	Notes J. H. B. Date 12-61
Date	Indexed

F. B. 2373 Pg. 135

H. E. 011

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93.88 (T=60) @ 10°24' = 92.33 ✓
93.78 (T=60) @ 10°06' = 92.32 ✓ Avg. = 92.32

168.36 (T=60) @ 4°49' = 167.74 ✓
168.32 (T=60) @ 4°36' = 167.75 ✓ Avg. = 167.74 ✓
260.06 ✓

49.50 (T=68) @ 30°21'00" = 42.71 ✓
7.19 (L=74) Lev. = 7.19 ✓
49.90 ✓
50.05 ✓
99.95 ✓

52.70 (T=68) @ 18°13'40" =

101.66 (T=74) @ 24°08'20" = 92.76 ✓

Set nail & tin in 3" tree.

55.01 (T=68) Lev. = 55.00 ✓
55.01 (T=68) Lev. = 55.00 ✓
Avg. = 55.00

P.S.A. 2335-104

TO F.B.

260.06

℄ LINE

R.P.P.I.
Set 1" I.P. & ENGR. tag flush on ℄ LINE per map C.55 North of H.A. used for line to East

R.P.P.I.
Set 1" I.P. & L.A. Co. ENGR. tag flush on LINE

Shown on ℄ LINE PAGE 136

46.57 ✓
46.57 ✓
46.57

50.05 92.76 42.71 ℄ LINE 7.19

Shown (Semi-Tan) PAGE 136

1) 89° 18' 20"
4) 357 13 40
6) 175 50 20
Avg. 89 18 23 ✓

89° 18' 23"

55.00

P.I. No. 3
Set 1" I.P. flush on Line to P.I. No. 4 & 100' East of ℄ Line per Staking Sht (Also Shown Pg. 136)

46.58 (T=60) Lev. = 46.58 ✓
46.58 (T=60) Lev. = 46.58 ✓
Avg. = 46.58

Fd. nail & tin F.B. 2335-37

Rec. 10.86 10.94 Meas.

105.06 (T=68) @ 17°25'00" = 100.23 ✓

105.46 (T=68) @ 18°06'00" = 100.23 ✓
Avg. = 100.23

100.23

31.63 ✓
31.63 ✓
31.63

H.A. Fd. std. L.A. Co. B.M. F.B. 2335-37

0.02

76.32 (T=70) Lev. = 76.31 ✓
76.33 (T=70) Lev. = 76.32 ✓
Avg. = 76.31 ✓

46.57

Set 1x2 6" nail flush on line.

Fd. 1x2 6" nail. F.B. 2335-37

31.64 (T=58) Lev. = 31.63 ✓
31.64 (T=58) Lev. = 31.63 ✓
Avg. = 31.63

31.63

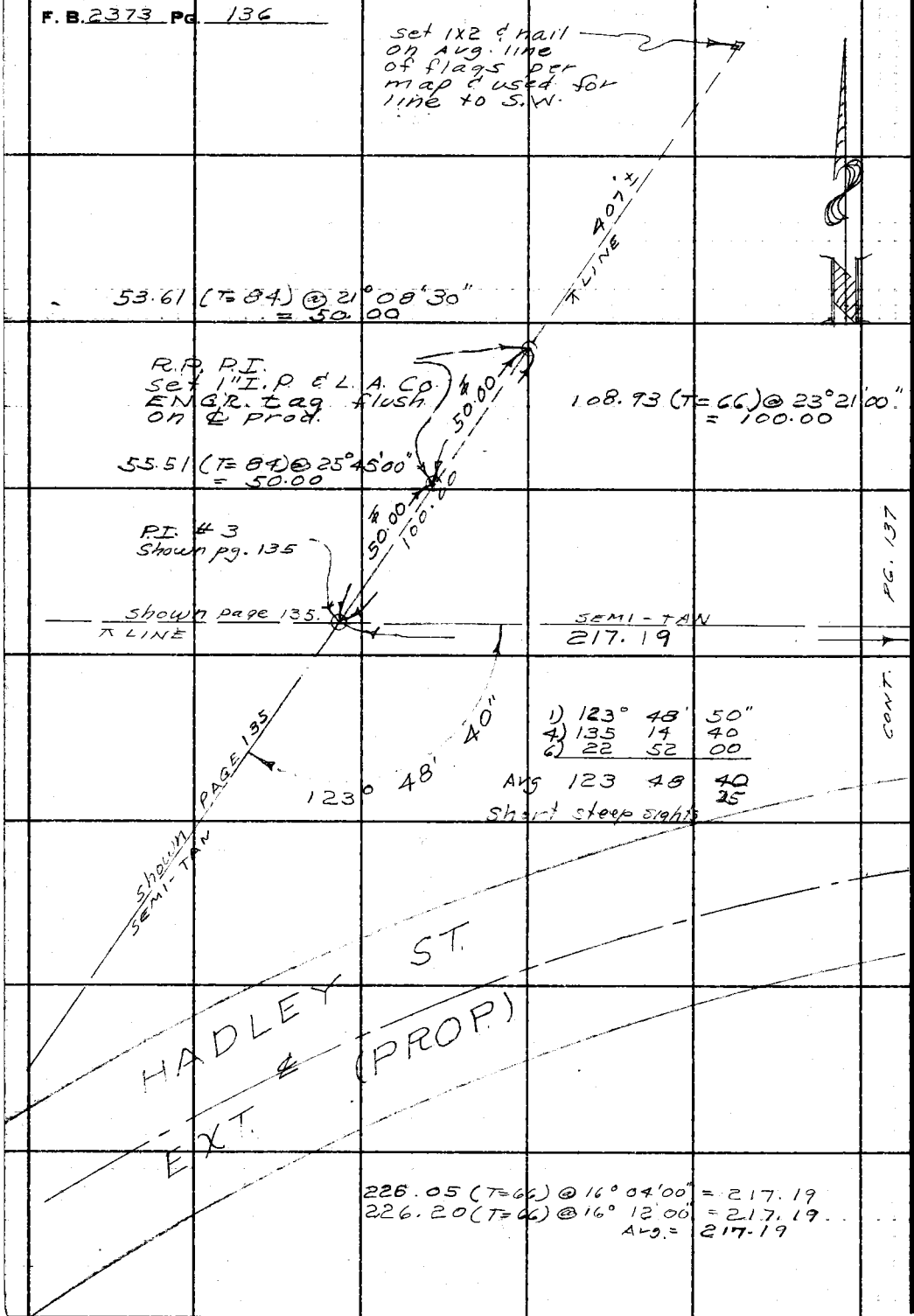
76.31

CONT. PAGE 134

HADLEY ST. ℄ EXT. (PROP.)

76F3095 CE # 310 3-61

F. B. 2373 Pg. 136



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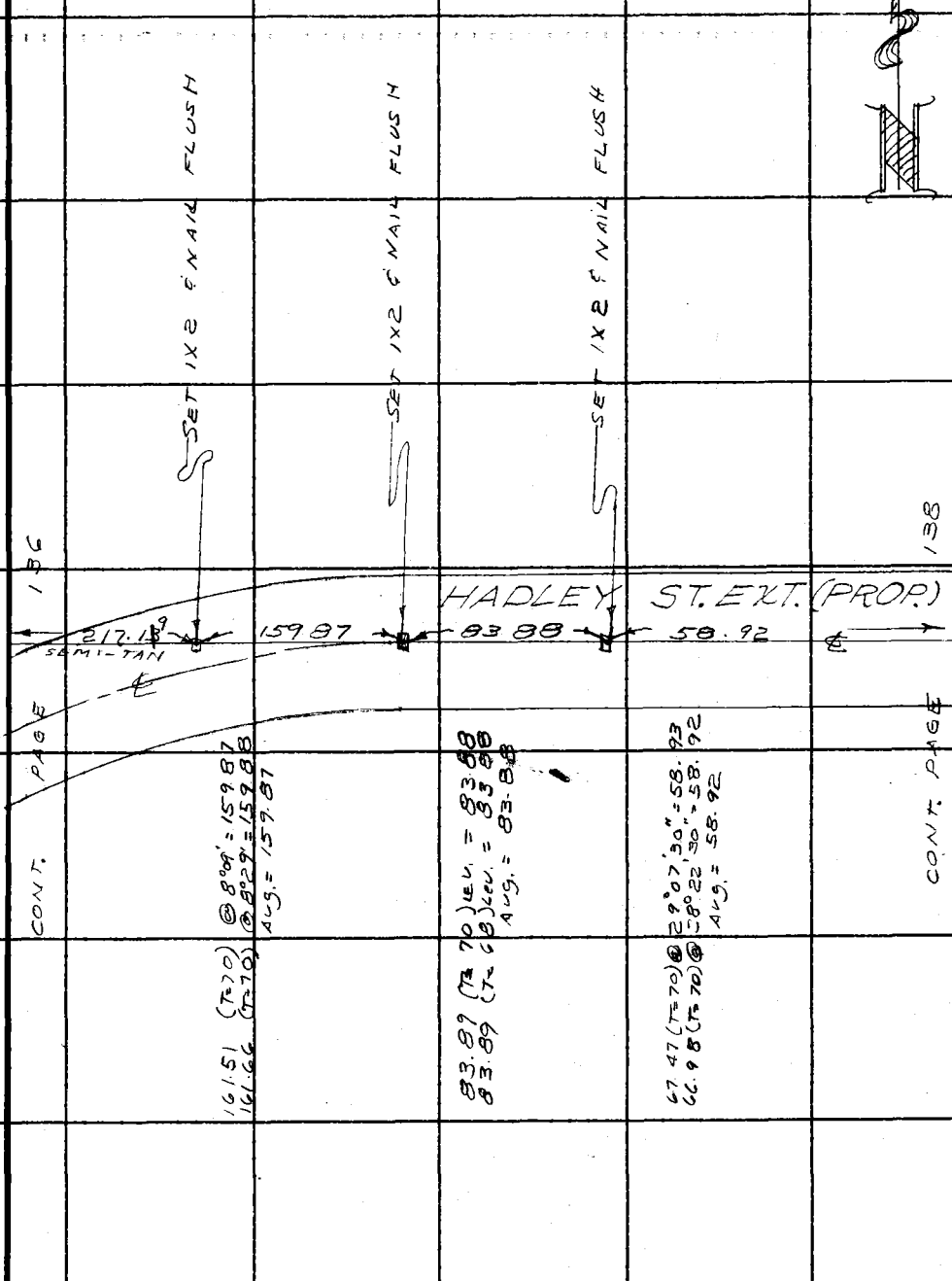
Notes Ck'd by J. A. A	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 137
Map No.	JN0075.S1 Tape 121 Std 84 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes J. H. B. Date 10-30-61	
Date	Indexed H. E. OTT	



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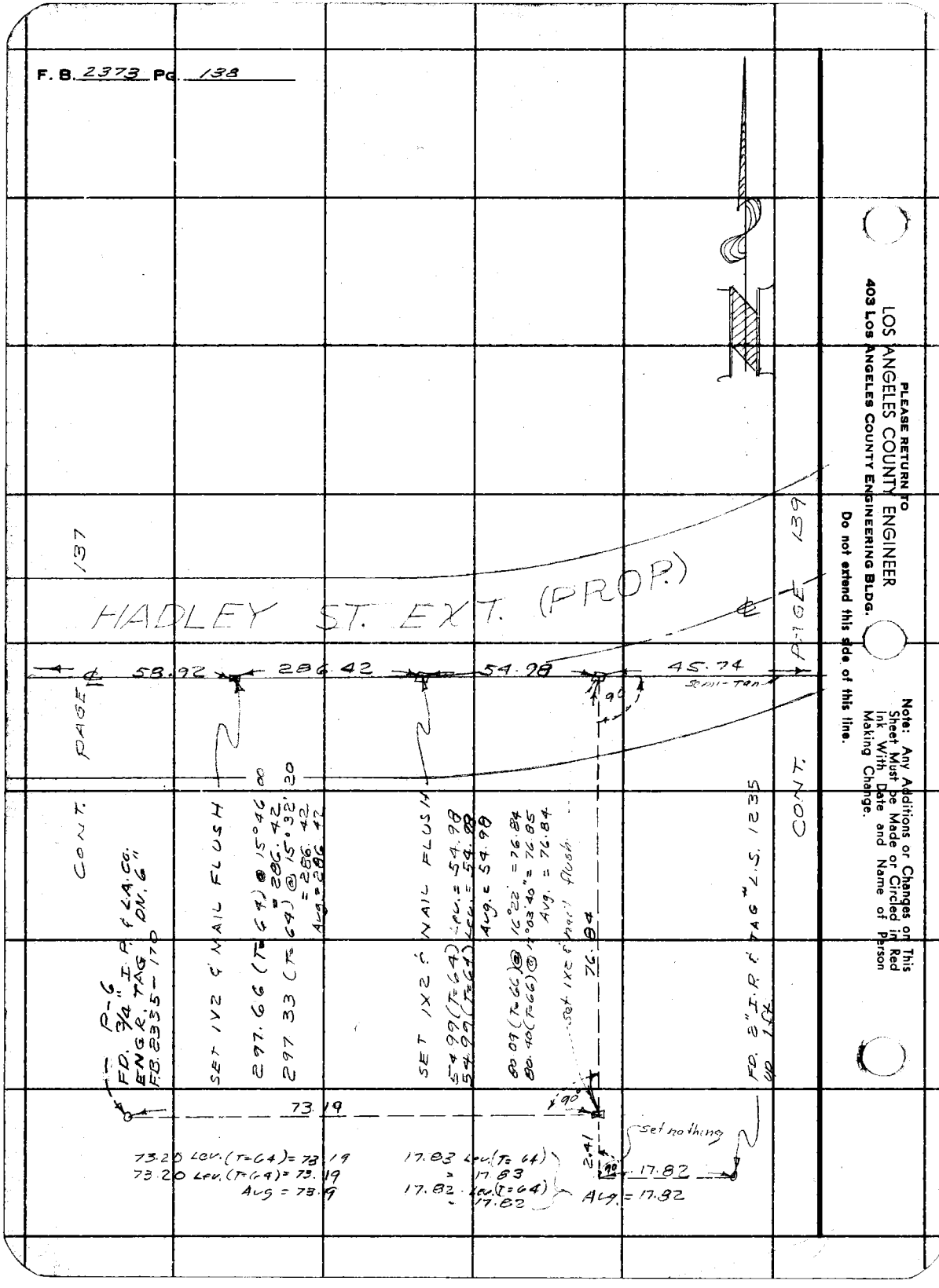
76F309S CE # 310 3-61

F. B. 2373 Pg. 138



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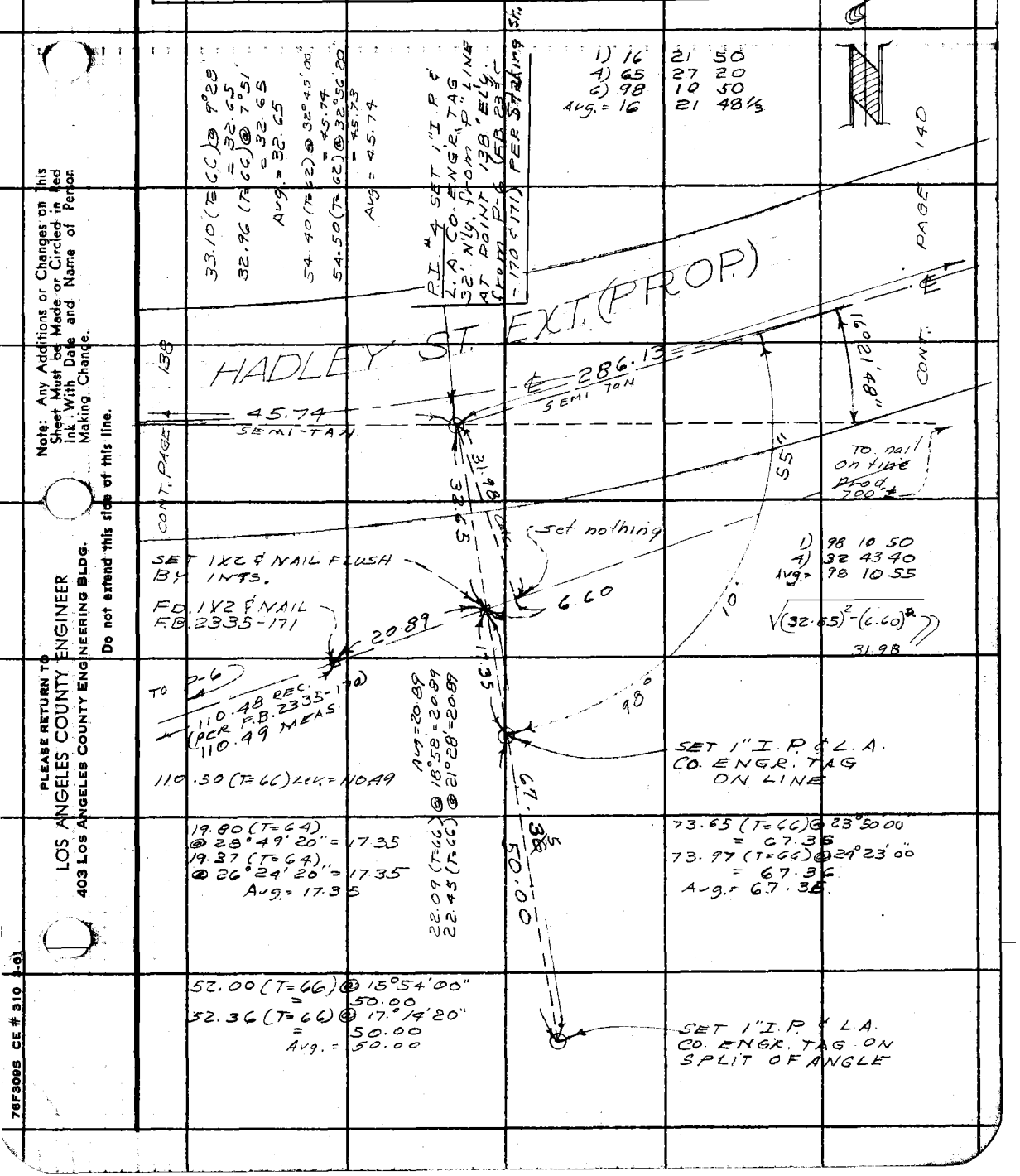
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 139
Map No.	JN 0075-51 Tape 121 Std 84 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes J. H. B. Date 10-31-61	
Date	Indexed H. E. OTT	



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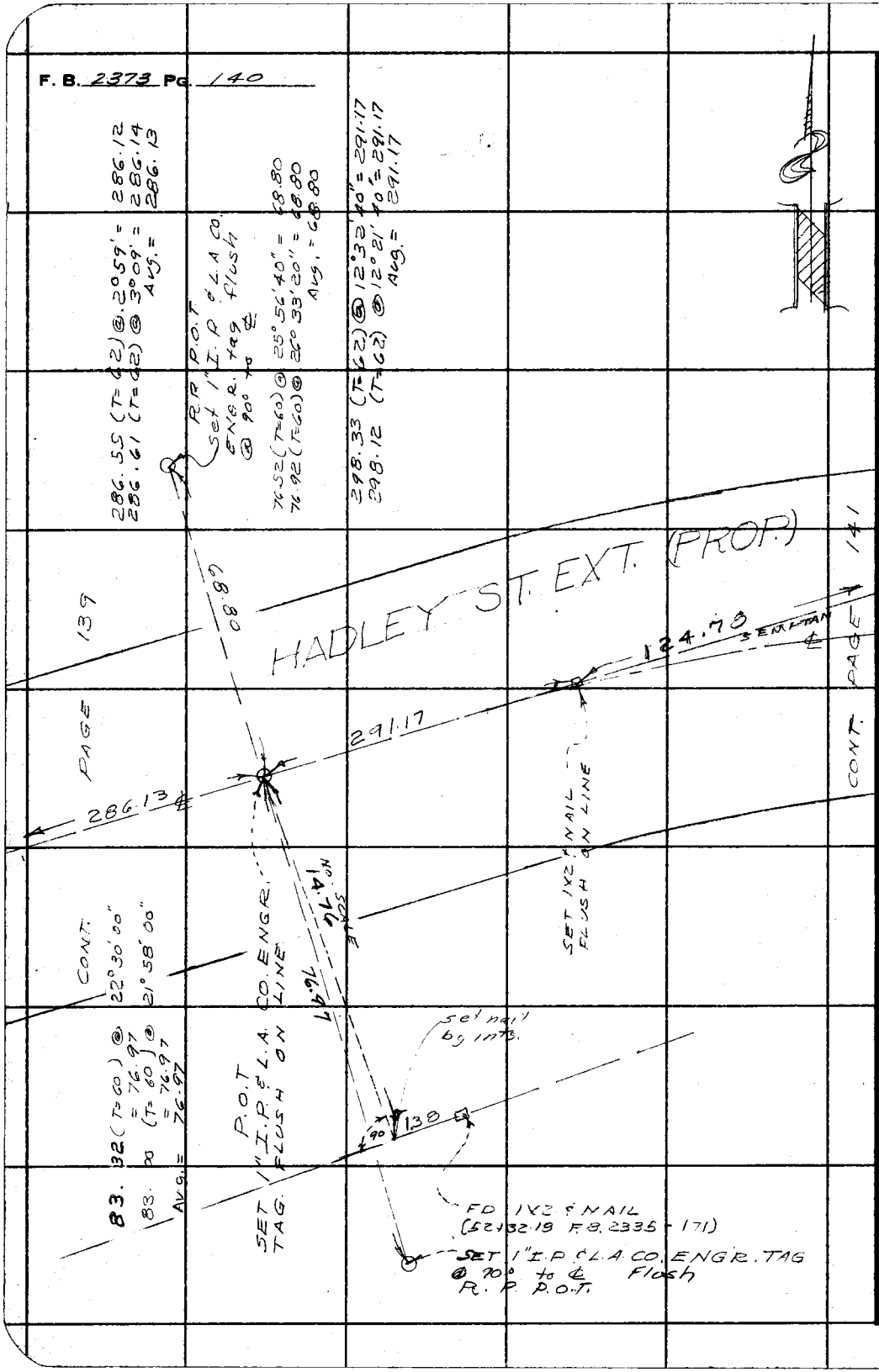
76F309S CE # 310 3-61

F. B. 2373 PG. 140



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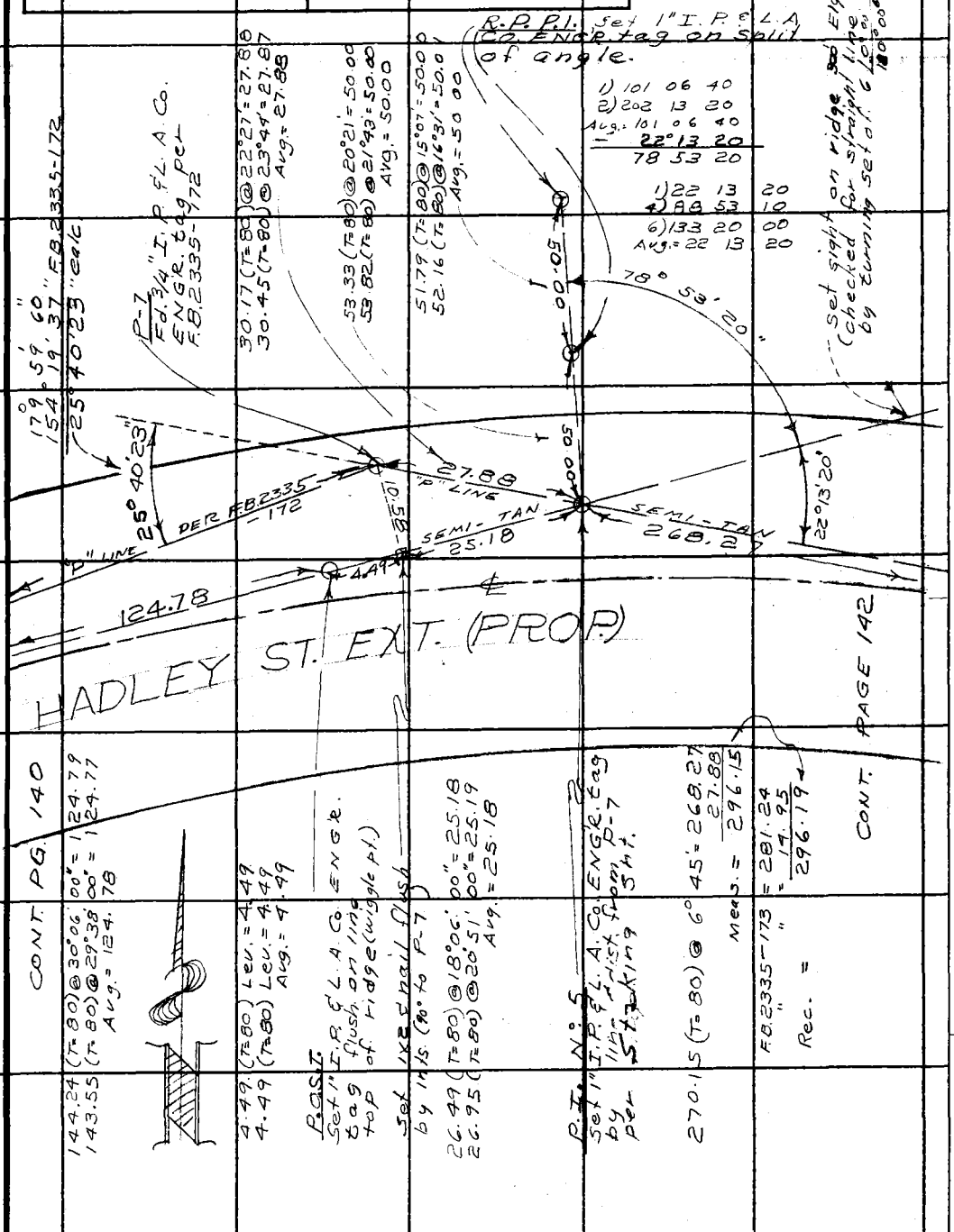
Map No.	JN 0075-51 Tape 121 Std 84 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. N. B. Date 11-61	
Date	Indexed H. E. OTT	



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F. B. 2373 Pg. 142

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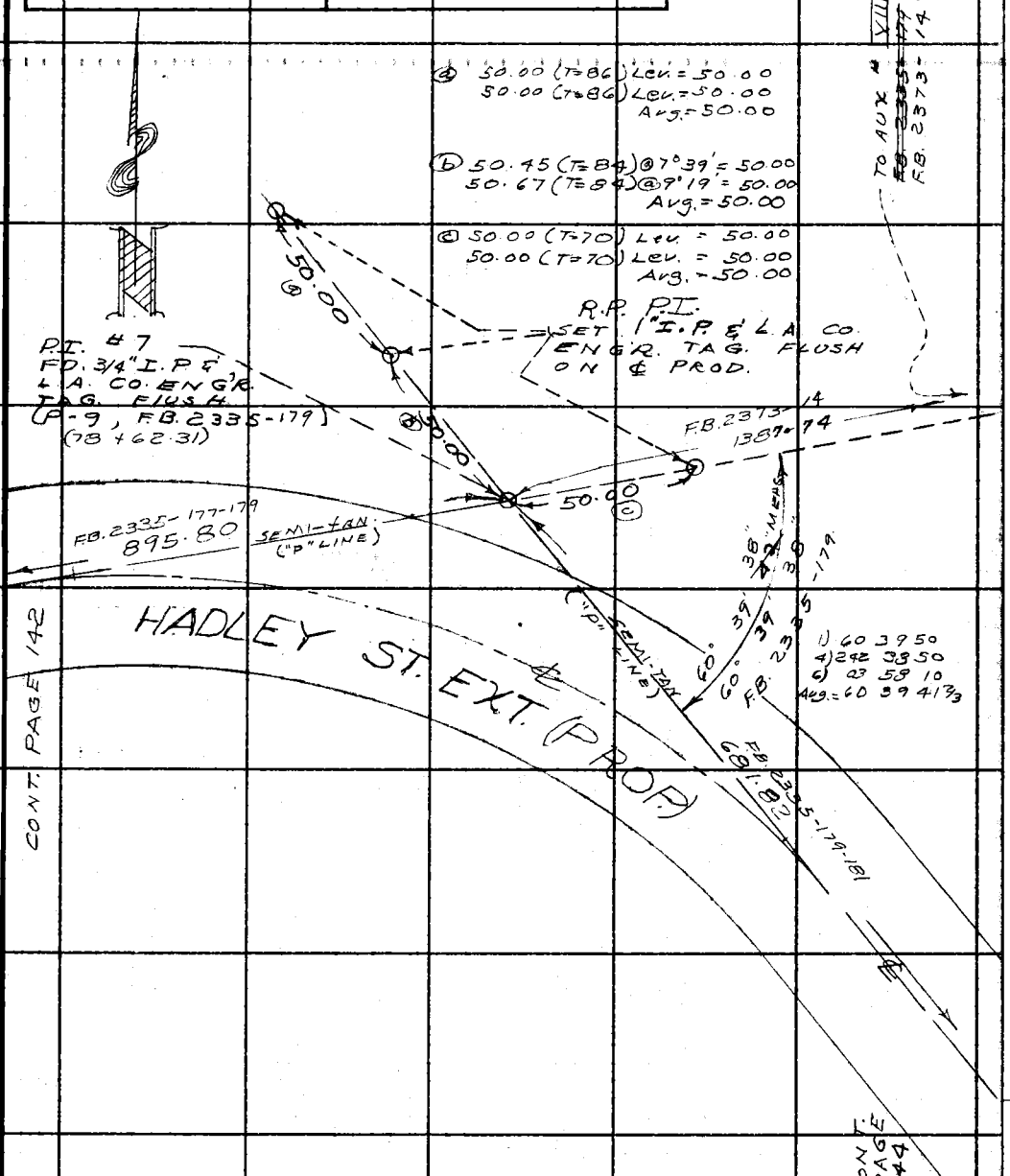
Map No.	JN 0075.54 Tape 121 Std. 84 °F
Office Work	Surveyed by J. H. BROWN
Checked	Notes J. H. B. Date Dec. 61
Date	Indexed H. E. OTT

F. B. 2373 PG. 143



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76F3095 CE # 310 3-61

F. B. 2373 Pg. 144

85+44.13
78+62.31
.6 81.82

CONT. PAGE 143

HADLEY ST. EXT.

FB. 2335-179-181
6 81.82

R.O.T. (P-9A.)
Fd. 3/4" I.D. 5'
L.A. Co. ENGR.
tag dn. 6"
per. FB. 2335-181
(85+44.13)

FB. 2335-181-182
8 67.59

(PROP.)

CONT. PAGE 145

94+11.72
85+44.13
8 67.59

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Map No.	JN 0075.51 Tape 121 Std 89 °F
Office Work	Surveyed by J H Brown
Checked	Notes J. H. B. Date DEC. 61
Date	Indexed H. E. OTT

F. B. 2373 PG. 145

CONT. PG. 144

HADLEY ST. EXT.

℄ ("P" LINE) @ 67.59 FB 2335-181-182

69.61 (T=68) @ 11° 21' 40" = 68.24
69.72 (T=68) @ 11° 51' 00" = 68.22
Avg. = 68.23

Set 1" I.P. & L.A. Co. ENGR. tag flush @ 90° to SEMI-TAN

68.23

(P-9B) P.O.S.T.
Fd. 3/4" I.P. & L.A. Co. ENGR. tag Dn. 1 ft. per FB 2335-182 (94+11.72)

50.61

(PROP.)

579.10 ("P" LINE) SEMI-TAN FB 2335-182-184

Set 1" I.P. & L.A. Co. ENGR. TAG. flush @ 90° to SEMI TAN

51.37 (T=68) @ 9° 51' = 50.60
51.46 (T=68) @ 10° 22' = 50.61
Avg. = 50.61

99+90.82
94+11.72
579.10

CONT. PG. 146

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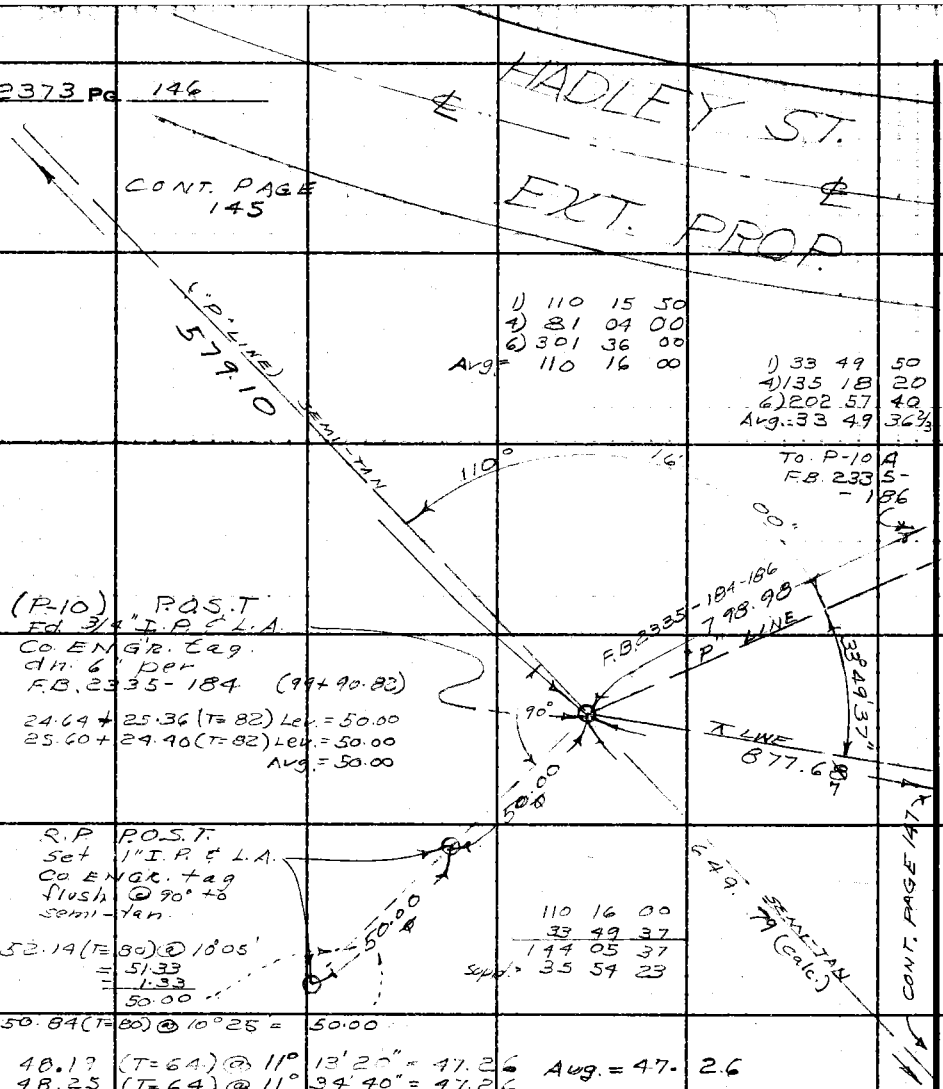
76F3095 CE # 310 3-61

F. B. 2373 Pg. 146



1) 110 15 50
4) 81 04 00
6) 301 36 00
Avg = 110 16 00

1) 33 49 50
4) 135 18 20
6) 202 57 40
Avg. = 33 49 36⅔

To P-10 A
F.B. 2335-186

(P-10) P.O.S.T.
Fd. 3/4" I.P. & L.A.
Co. ENGR. tag
dn. 6' per
F.B. 2335-184 (99+90.82)

24.64 + 25.36 (T=82) Lev. = 50.00
25.60 + 24.40 (T=82) Lev. = 50.00
Avg. = 50.00

R.P. P.O.S.T.
Set 1" I.P. & L.A.
Co. ENGR. tag
flush @ 90° to
semi-tan

52.14 (T=80) @ 10°05'
= 51.33
= 1.33
50.00

110 16 00
33 49 37
144 05 37
Supp. = 35 54 23

50.84 (T=80) @ 10°25' = 50.00

48.19 (T=64) @ 11° 13' 20" = 47.26 Avg. = 47.26
48.25 (T=64) @ 11° 34' 40" = 47.26

290.47 (T=62) @ 15° 23' 40" = 280.01 Avg. = 280.01
290.45 (T=62) @ 15° 22 40 = 280.01

289.58 (T=66) @ 3° 39' = 288.96 Avg. = 288.95
289.49 (T=66) @ 3° 26' = 288.94

261.87 (T=66) @ 3° 10' = 261.44 Avg. = 261.45
261.93 (T=66) @ 3° 19' = 261.46

SUM = 877.68

$\frac{877.68 \times \sin 47° 19' 27''}{\sin 96° 46' 10''}$ (.735 200 57) (.993 028 51) = 649.79

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Office Work	Surveyed by J. H. BROWN
Checked	Notes J. H. B. Date 12-61
Date	Indexed H. E. OTT

F. B. 2373 PG. 147

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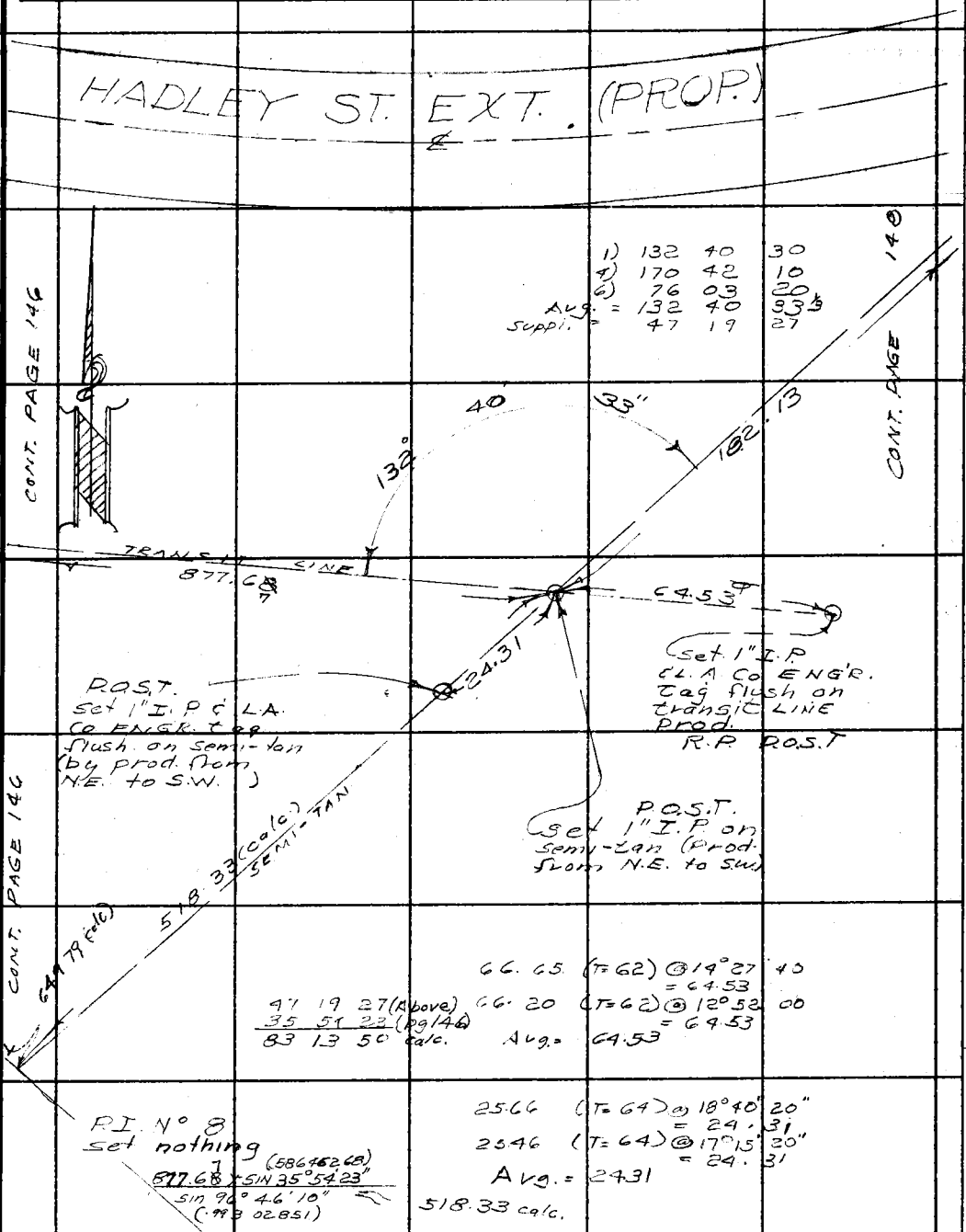


76F309S CE # 310 8-61

F. B. 2373 Pg. 148

33.69 (T=62) @ 12° 56' 20" = 32.83 ✓
35.53 (T=62) @ 11° 38' 20" = 32.84 ✓
Avg. = 32.84 ✓

63.59 (T=64) Lev. = 63.58 ✓
63.60 (T=64) Lev. = 63.59 ✓
Avg. = 63.58 ✓

96.42 ✓

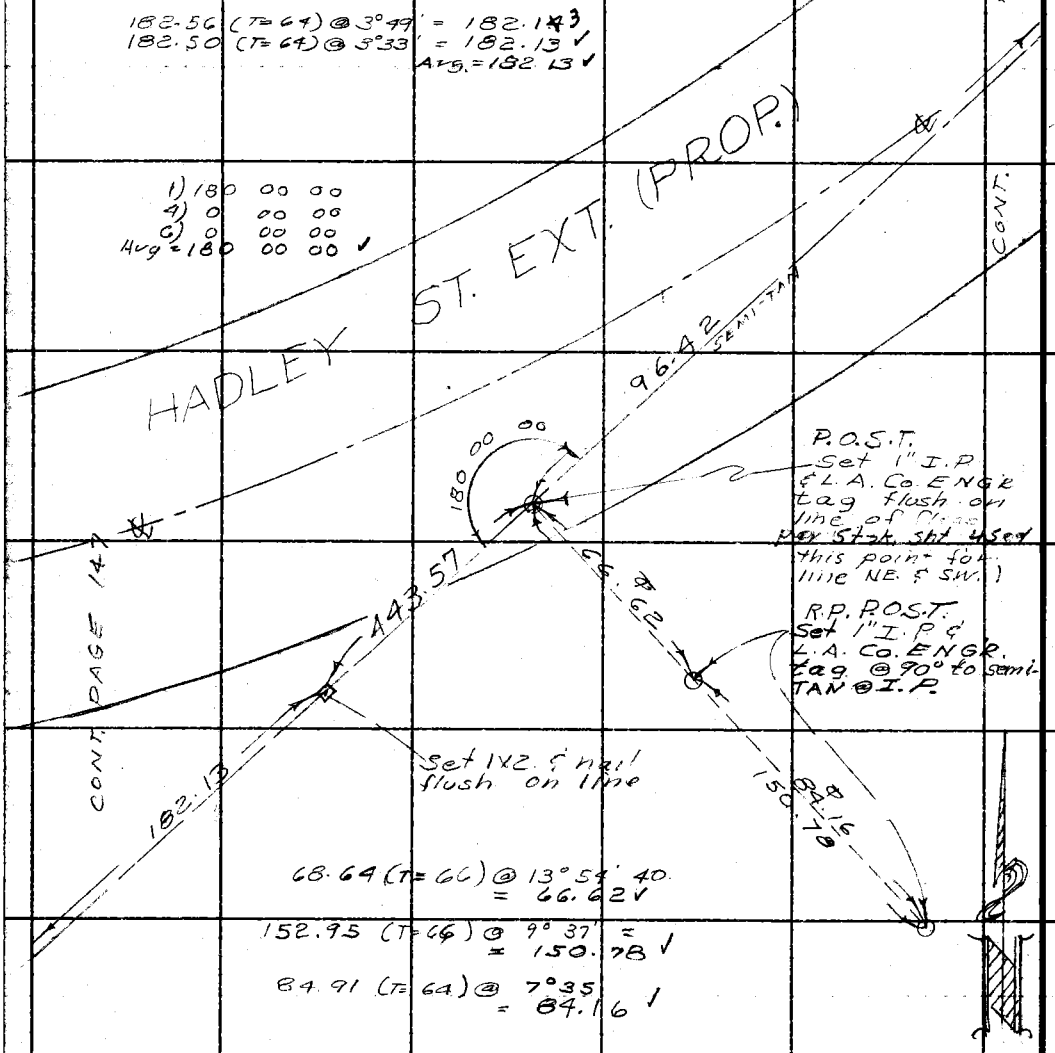
149.80 (T=66) @ 8° 19' = 148.26 ✓
149.78 (T=66) @ 8° 07' = 148.26 ✓
Avg = 148.26 ✓

295.55 (T=68) @ 2° 11' = 295.31 ✓
295.52 (T=68) @ 2° 01' = 295.31 ✓
Avg. = 295.31 ✓

SUM = 443.57 ✓

182.56 (T=64) @ 3° 49' = 182.13 ✓
182.50 (T=64) @ 3° 33' = 182.13 ✓
Avg. = 182.13 ✓

1) 180 00 00
2) 0 00 00
3) 0 00 00
Avg = 180 00 00 ✓



68.64 (T=66) @ 13° 54' 40" = 66.62 ✓

152.95 (T=66) @ 9° 37' = 150.78 ✓

84.91 (T=64) @ 7° 35' = 84.16 ✓

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Notes Ck'd by J. A. A	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 149
Map No.	JN 0075.51 Tape 121 Std 84 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date 12-61	
Date	Indexed H. E. OIT	

191.90 (T=52) @ 16° 37' 40" = 183.84 ✓
192.11 (T=52) @ 16 49 00 = 183.86 ✓ } Avg = 183.85 ✓

94.56 (T=50) @ 15° 17' 40" = 91.19 ✓
94.33 (T=50) @ 14° 45 40" = 91.20 ✓ } Avg = 91.19 ✓

130.34 (T=50) @ 10° 39' 20" = 128.06 ✓
130.51 (T=50) @ 11° 03' 30" = 128.06 ✓ } Avg = 128.06 ✓

Sum = 403.10 ✓

1) 179 59 40
4) 359 58 30
6) 359 57 40 ✓
Avg = 179 59 36⅔ ; sepl = 0° 0' 23"

1) 76 29 30
2) 152 59 00
Avg. = 76 29 30 ✓

P-10-C Fd. ¾ I.P. & L.A. CO. ENGR. tag down 1 ft. per F.B. 2335-192

90°

118.32

100.92 (T=54) @ 4° 14' = 100.62 ✓
100.96 (T=56) @ 4° 35' = 100.62 ✓
Avg. = 100.62 ✓
17.70 Lev.
118.32 ✓

76° 29' 30"

403.10

150

CONT. PAGE

126.32 (T=56) @ 6° 32' = 125.48 ✓
126.36 (T=56) @ 6° 44' = 125.47 ✓
Avg. = 125.47 ✓

00"

Set 1x2 & nail flush by INTS.

1) 180 00 00
4) 0 00 00
6) 0 00 00
Avg = 180 00 00 ✓

00

125.47

SEMI-TAN

180

wiggle pt. set 1x2 & nail flush on line

HADLEY ℄ ST. EXT. (PROP.)

738.48

CONT. PAGE 148

291.91 (T=58) @ 0° 46' = 291.83 ✓
291.89 (T=58) @ 0° 37' = 291.82 ✓
Avg. = 291.83 ✓

148.87 (T=56) @ Lev. = 148.84 ✓
148.87 (T=56) @ Lev. = 148.84 ✓
Avg. = 148.84 ✓

96.42

Set 1x2 & nail on Line

298.05 (T=60) @ 2° 06' = 297.80 ✓
~~297.94~~ (T=60) @ 2° 13' = 297.82 ✓
298.09 (Re-pull)
Avg. = 297.81 ✓

SUM = 738.48 ✓

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76F309S CE # 310 3-61

F. B. 2373 PG. 150

1) 75 43 00
4) 302 52 20
6) 94 18 30
Avg. 75 43 05 ✓

1) 13° 30' 30"
4) 54° 02' 00"
6) 81° 03' 00" ✓
Avg. = 13 30 30 ✓

TO P.I. #9 (Nothing set)

108.37 (T=50) @ 9°59' = 106.71 ✓
108.22 (T=50) @ 9°29' = 106.72 ✓ Avg. = 106.72 ✓

24.94 (T=52) @ Lev. = 24.93 ✓
24.95 (T=52) @ Lev. = 24.94 ✓
Avg. = 24.93 ✓

Set 1" I.P. & L.A. Co. ENGR. tag flush by ints.

128.09

TO P.11 F.B. 2335-194

Fd. 1X2 & L.A. Co. ENGR. tag per F.B. 2335-193 REPLACED with 1" I.P. & L.A. Co. ENGR. tag flush

106.72

13° 30' 30"

103.33

P-LINE F.B. 2335-193

24.93

75° 43' 05"

~~104.25 (T=50) @ 7° 31" = 103.33~~
~~104.33 (T=50) @ 7° 52" = 103.33~~
~~Avg. = 103.33~~

Set 1" I.P. & L.A. Co. ENGR. tag flush by ints.

RE-DULL 12-27-61
103.83 (T=70) @ 4°59' = 103.44 ✓
103.77 (T=70) @ 4°32' = 103.44 ✓
Avg. = 103.44 ✓

132.72 (T=70) @ 15° 09' 00 = 128.10 ✓
132.86 (T=70) @ 15° 23 20 = 128.09 ✓
Avg. = 128.09

403.10

SEMI-TAN

90°

46' 27"

1) 90 46 20
4) 03 05 50
6) 184 38 40
Avg. = 90 46 26 ✓

CONT. PAGE 149

℄ LINE

314.49

HADLEY ST. EXT. (PROP.)

219.88 (T=50) @ 10° 33' 40" = 216.09 ✓ Avg. = 216.08 ✓
219.75 (T=50) @ 10° 25' 40" = 216.07 ✓

100.23 (T=50) @ 10° 30' 00" = 98.42 ✓ Avg. = 98.41 ✓
100.37 (T=50) @ 11° 17' 20" = 98.41 ✓

314.49 ✓ CONT. PAGE 151

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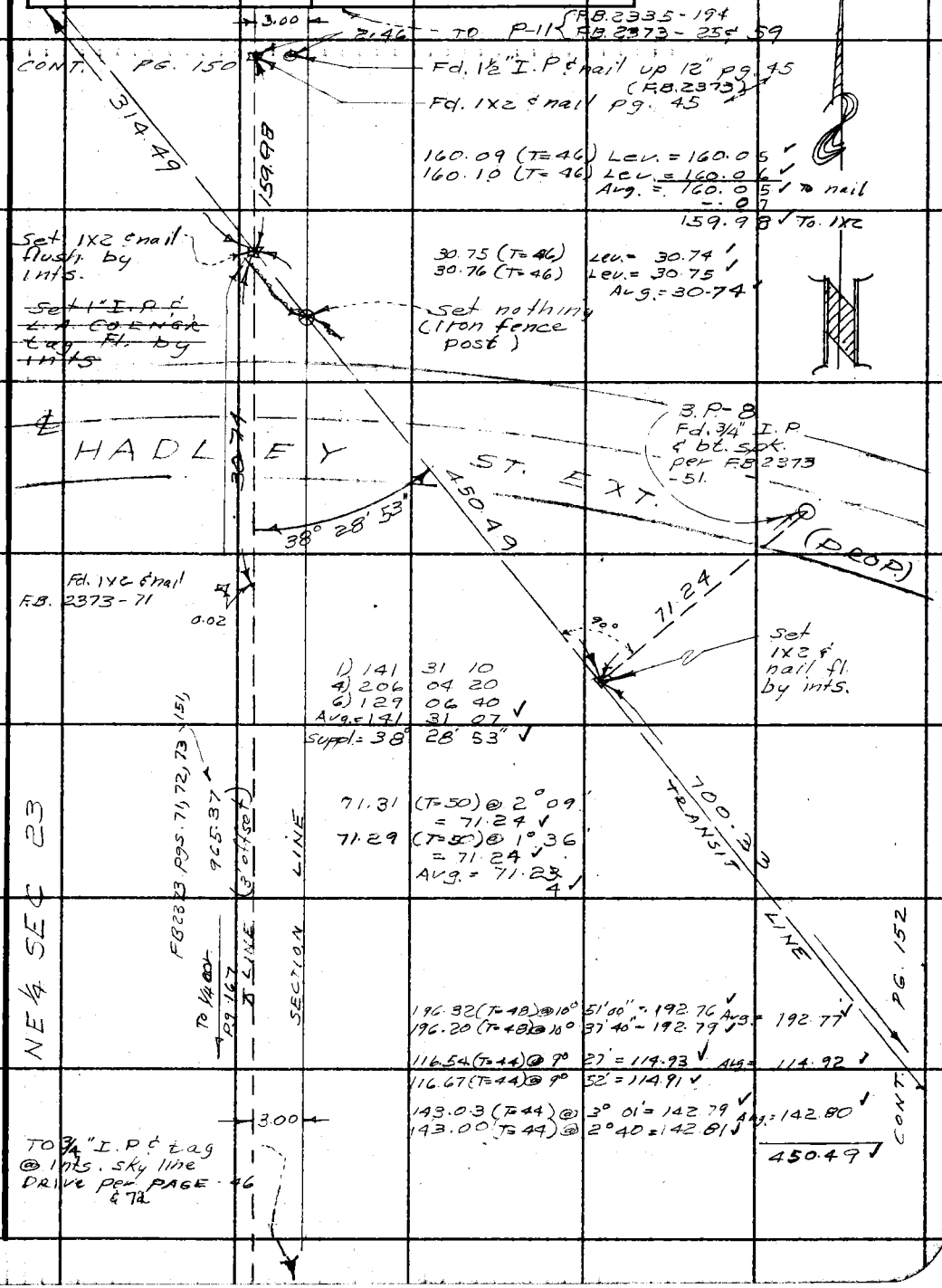
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 151
Map No.	JN 0075.51 Tape 121 Std. 84 °F	NW 1/4 SEC-24
Office Work	Surveyed by J.H. Brown	
Checked	Notes J.H.B. Date 12-61	
Date	Indexed H. E. OTT	



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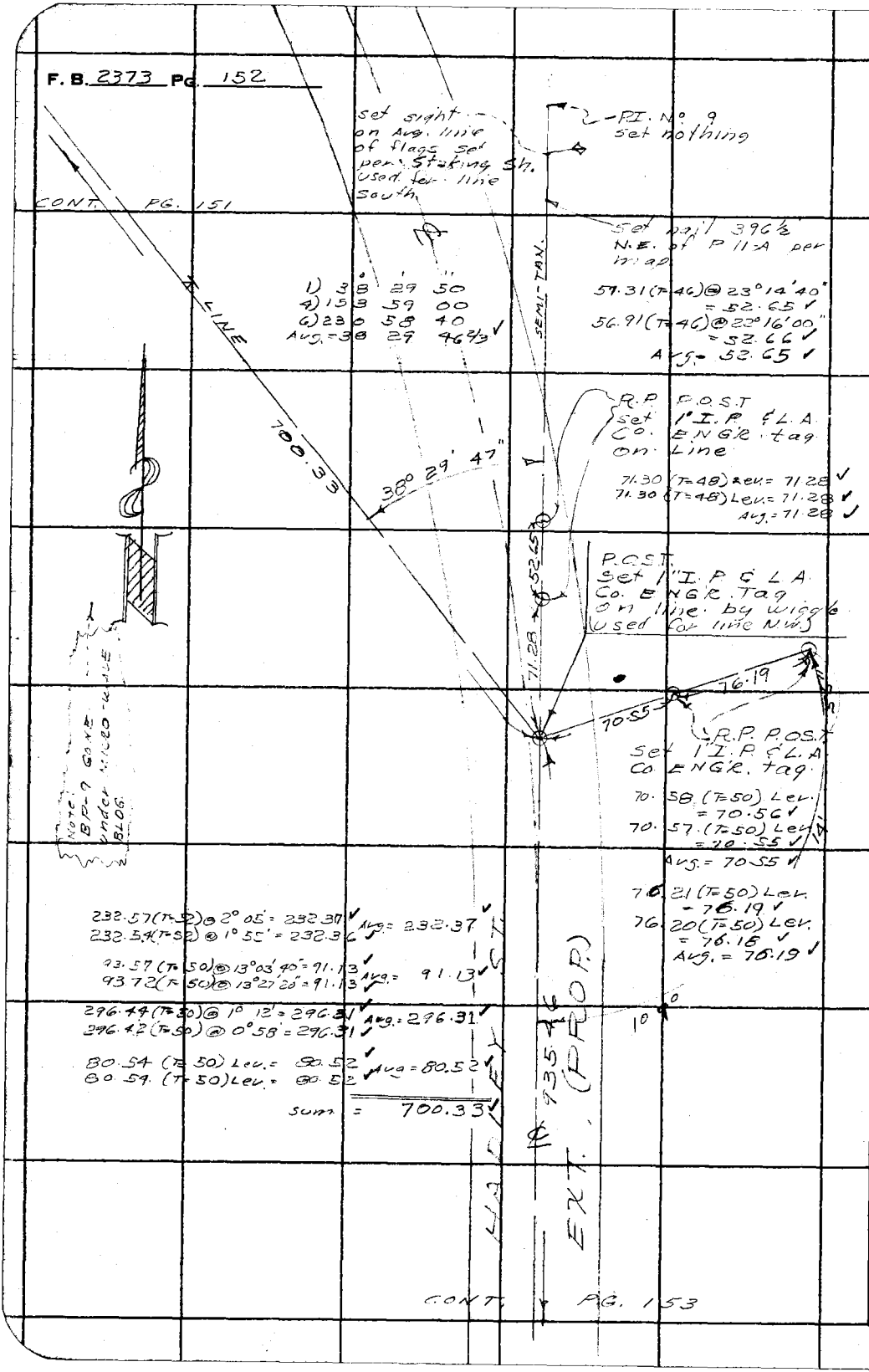
76F309S CE # 310 3-61

F. B. 2373 Pg. 152



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Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 153
Map No.	JN 0075.51 Tape 121 Std 84 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date 12-61	
Date	Indexed H. E. OTT	

CONT. PG. 152

HADLEY ST. EXT. (PROP.)

935.46

109.51 (T=54) @ 4° 08' = 109.21 ✓
109.59 (T=54) @ 4° 38' = 109.21 ✓ } Avg. = 109.21 ✓

233.04 (T=54) @ 4° 02' = 232.41 ✓
233.11 (T=54) @ 4° 15' = 232.42 ✓ } Avg. = 232.42 ✓

297.48 (T=54) @ 3° 36' = 296.83 ✓
297.39 (T=54) @ 3° 24' = 296.81 ✓ } Avg. = 296.82 ✓

297.21 (T=52) @ 1° 48' = 297.00 ✓
297.20 (T=52) @ 1° 41' = 297.01 ✓ } Avg. = 297.0~~1~~0 ✓

935.4~~6~~5

1) 69° 05' 30"
4) 276° 22' 00"
Avg. = 69 05 30 ✓

Fd. WHITE TOP 2X2 ¢n. appr. center STEEL TOWER No. 13-4

69° 05' 30"

143.98

P.O.T. Set 1" I.P. & L.A. CO. ENG'R. tag flush on line

T=
74.54 (52) @ 15° 54' 40" = 71.67 ✓
74.30 (52) @ 15° 15' 00" = 71.66 ✓ } Avg. = 71.66 ✓

72.58 (T=52) @ 4° 42' = 72.32 ✓
72.51 (T=52) @ 4° 00' = 72.31 ✓ } Avg. = 72.32 ✓

143.98 ✓

504.69

CONT. PG. 154

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3095 CE # 310 3-61

F. B. 2373 PG. 154

Cont. Bot. Pg. 153

14.02 (T=50) @ L.C.V. = 14.02 } Avg. = 14.02
14.02 (T=50) @ L.C.V. = 14.02

270.92 (T=52) @ 20° 15' 00" = 254.12 } Avg. = 254.13
270.50 (T=52) @ 20° 00' 00" = 254.13

193.72 (T=54) @ 18° 42' 00" = 183.46 } Avg. = 183.44
194.04 (T=54) @ 19° 00' 00" = 183.43

53.88 (T=50) @ 9° 40' = 53.11 } Avg. = 53.10
53.73 (T=50) @ 8° 41' = 53.10

504.69

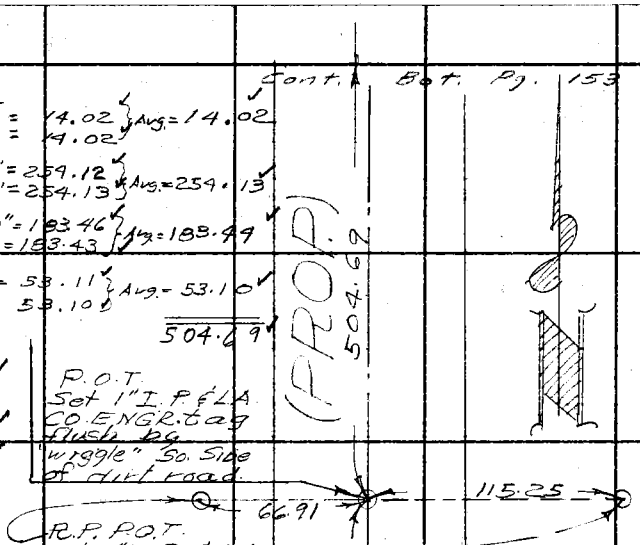
67.76 (T=50) @ 9° 01' = 66.90

67.63 (T=50) @ 8° 15' = 66.91

Avg. = 66.91

P.O.T.
Set 1" I.P. & L.A. CO. ENGR. tag flush by "wiggle" So. side of dirt road.

R.P. P.O.T.
Set 1" I.P. & L.A. CO. ENGR. tag @ 90° to ℄.



R.P. P.O.T.
Set 1" I.P. & L.A. CO. ENGR. tag flush @ 90° to ℄.

288.14 (T=50) @ 7° 02' = 285.91 } Avg. = 285.91
288.27 (T=50) @ 7° 15' = 285.91

130.51 (T=49) @ 9° 11' = 128.81 } Avg. = 128.82
130.60 (T=49) @ 9° 24' = 128.82

414.73

115.31 (T=48) @ 1° 22' = 115.21

115.30 (T=48) @ 0° 54' = 115.26

Avg. = 115.25

EXIT ST.
414.73

TO B.P.D. FB 2373-53 & PG-19

P.O.T.
Set 1X2 & nail by ints.

℄ LINE

℄ LINE

65°

05' 10"

HADLEY

510.50

40° 01' 29"

SEMI-TAN.

TO B.P.D. FB 2373-53 & PG-19

1) 65 05 00
4) 260 20 50
6) 390 31 00
Avg. = 65 05 10

To nail 0.47 N. of SEC. COR. / PAGE 170

1) 40 01 30
4) 160 05 40
6) 240 08 40
Avg. = 40 01 26½

Cont. To Pg. 155

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Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 155
Map No.	JN 0075 51 Tape 121 Std 84 °F	
Office Work	Surveyed by J.H. BROWN	
Checked	Notes J. N. B. Date 12-61	
Date	Indexed H. E. OTT	

Cont. Bot. Pg. 154

53.24
57.34
290.04
109.88
510.50

Line of sight to B.P.-10 PAGE 169

53.25 (T=68) Lev. = 53.24
53.25 (T=68) Lev. = 53.24
Avg. = 53.24

58.08 (T=72) @ 9° 06' = 57.35
57.91 (T=72) @ 8° 03' = 57.34
Avg. = 57.34

290.08 (T=72) @ 0° 35' = 290.04
290.05 (T=72) @ Lev. = 290.03
Avg. = 290.04

110.13 (T=72) @ 3° 44' = 109.89
110.19 (T=72) @ 4° 12' = 109.88
Avg. = 109.88

1) 43 52 40
4) 175 31 00
6) 263 16 40
Avg. = 43 52 46⅔

1) 71 27 20
4) 285 49 20
6) 68 43 40
Avg. = 71 27 16⅔

1) 120 01 10
4) 120 05 20
6) 0 08 20
Avg. = 120 01 23⅓

510.50

HADLEY ST. EXT. (PROP.)

43° 52' 47"

120° 01' 23"

17"

27"

71°

T. LINE 69.37

630.70

89.82

SEMI-TAN

R.P. P.O.S.T. Set 1" I.P. & L.A. Co. ENGR. TAG. on semi-tan prod.

P.O.S.T. Set 1" I.P. & L.A. CO. ENGR. tag on line of flags per staking ~~map~~ used for line

LINE OF SIGHT TO nail 0.47' N. of SEC. COR. page 170

93.11 (T=72) @ 15° 14' 30" = 89.83
92.80 (T=72) @ 14° 31' 40" = 89.82
Avg. = 89.82

71.37 (T=72) @ 13° 33' 00" = 69.37
71.83 (T=72) @ 15° 00' 00" = 69.37
Avg. = 69.37
P.I. No. 10
SET NOTHING

Cont. Lt. Pg. 156

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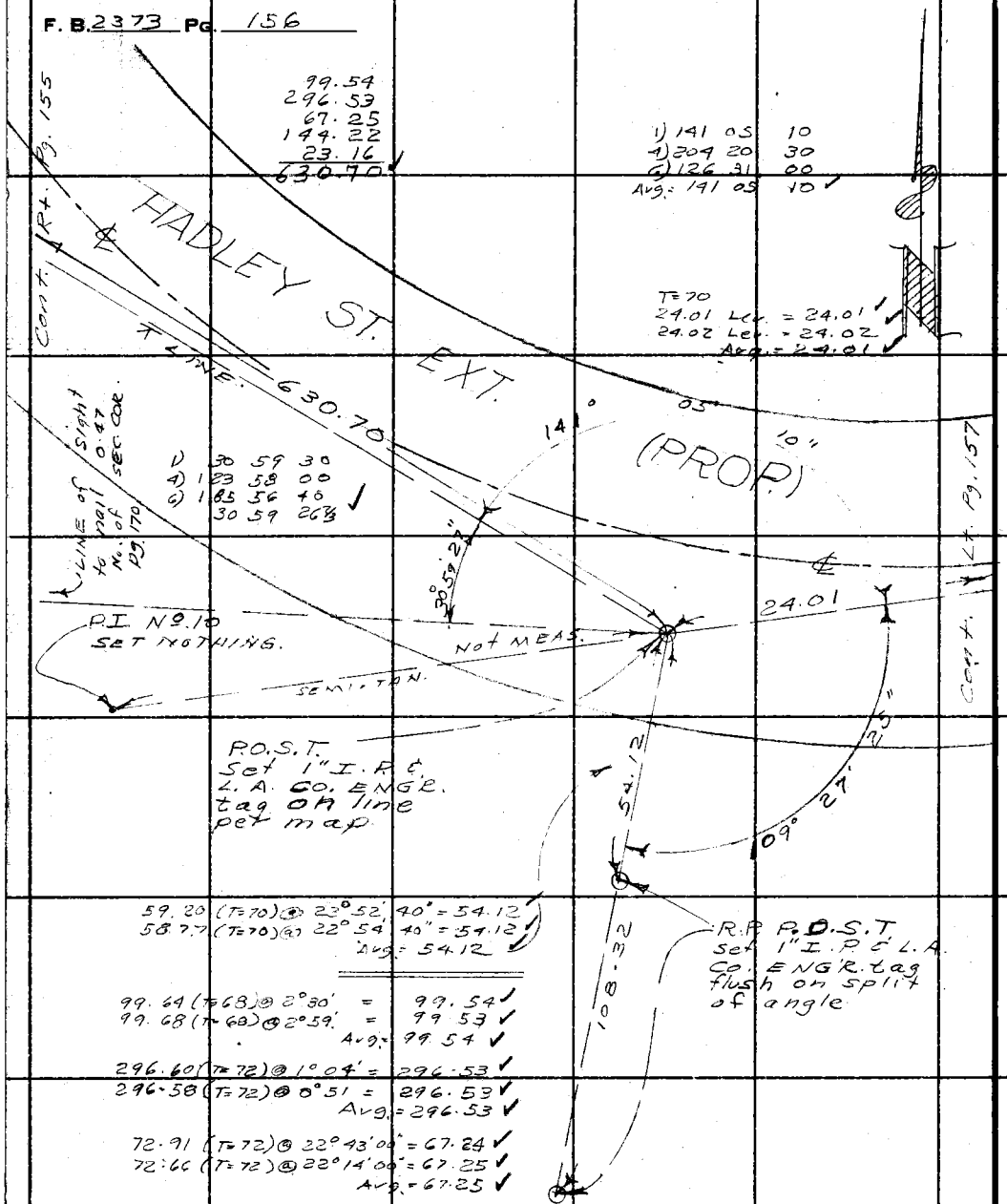
76F309S CE # 310 3-61

F. B. 2373 Pg. 156



99.54
296.53
67.25
144.22
23.16
630.70 ✓

1) 141 05 10
2) 204 20 30
3) 126 31 00
Avg.: 141 05 10 ✓

T=70
24.01 Lev. = 24.01 ✓
24.02 Lev. = 24.02 ✓
Avg. = 24.01 ✓

1) 30 59 30
2) 183 58 00
3) 185 56 40
30 59 26⅔ ✓

59.20 (T=70) @ 23°52' 40" = 54.12 ✓
58.77 (T=70) @ 22°54' 40" = 54.12 ✓
Avg. = 54.12 ✓

99.64 (T=68) @ 2°30' = 99.54 ✓
99.68 (T=68) @ 2°39' = 99.53 ✓
Avg. = 99.54 ✓

296.60 (T=72) @ 1°04' = 296.53 ✓
296.58 (T=72) @ 0°51' = 296.53 ✓
Avg. = 296.53 ✓

72.91 (T=72) @ 22°43'00" = 67.24 ✓
72.66 (T=72) @ 22°14'00" = 67.25 ✓
Avg. = 67.25 ✓

145.07 (T=70) @ 6°10' = 144.22 ✓
145.15 (T=70) @ 6°26' = 144.23 ✓
Avg. = 144.22 ✓

117.44 (T=70) @ 22°42'00" = 108.33
117.06 (T=70) @ 22°16'00" = 108.32
Avg. = 108.32

23.16 (T=72) @ Lev. = 23.16 ✓
12.96+ 10.20 (T=72) Lev. = 23.16 ✓
Avg. = 23.16 ✓

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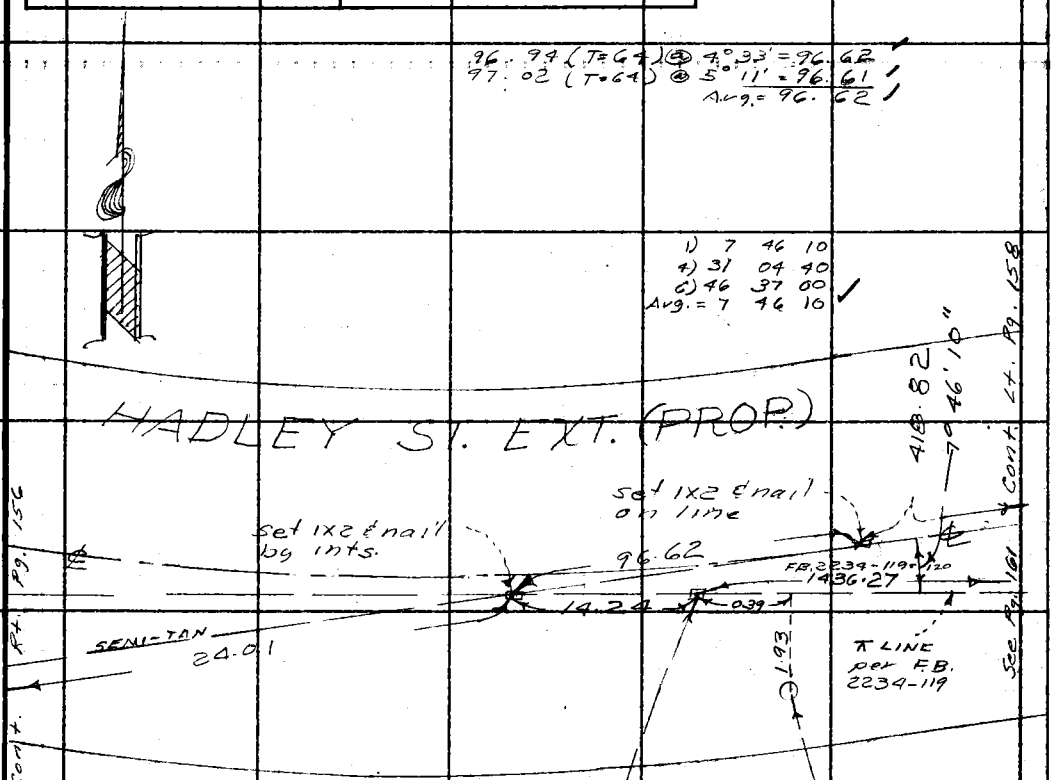
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 Pg. 157
Map No.	JN 0075 SL Tape 121 Std. 84 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes J. H. B. Date 11-61	
Date	Indexed H. E. OTT	

96.94 (T=64) @ 4°33' = 96.62
97.02 (T=64) @ 5°11' = 96.61
Avg. = 96.62

1) 7 46 10
4) 31 04 40
6) 46 37 00
Avg. = 7 46 10



440.02
561.61
434.64
1436.27

FB. 2234-119 & 120

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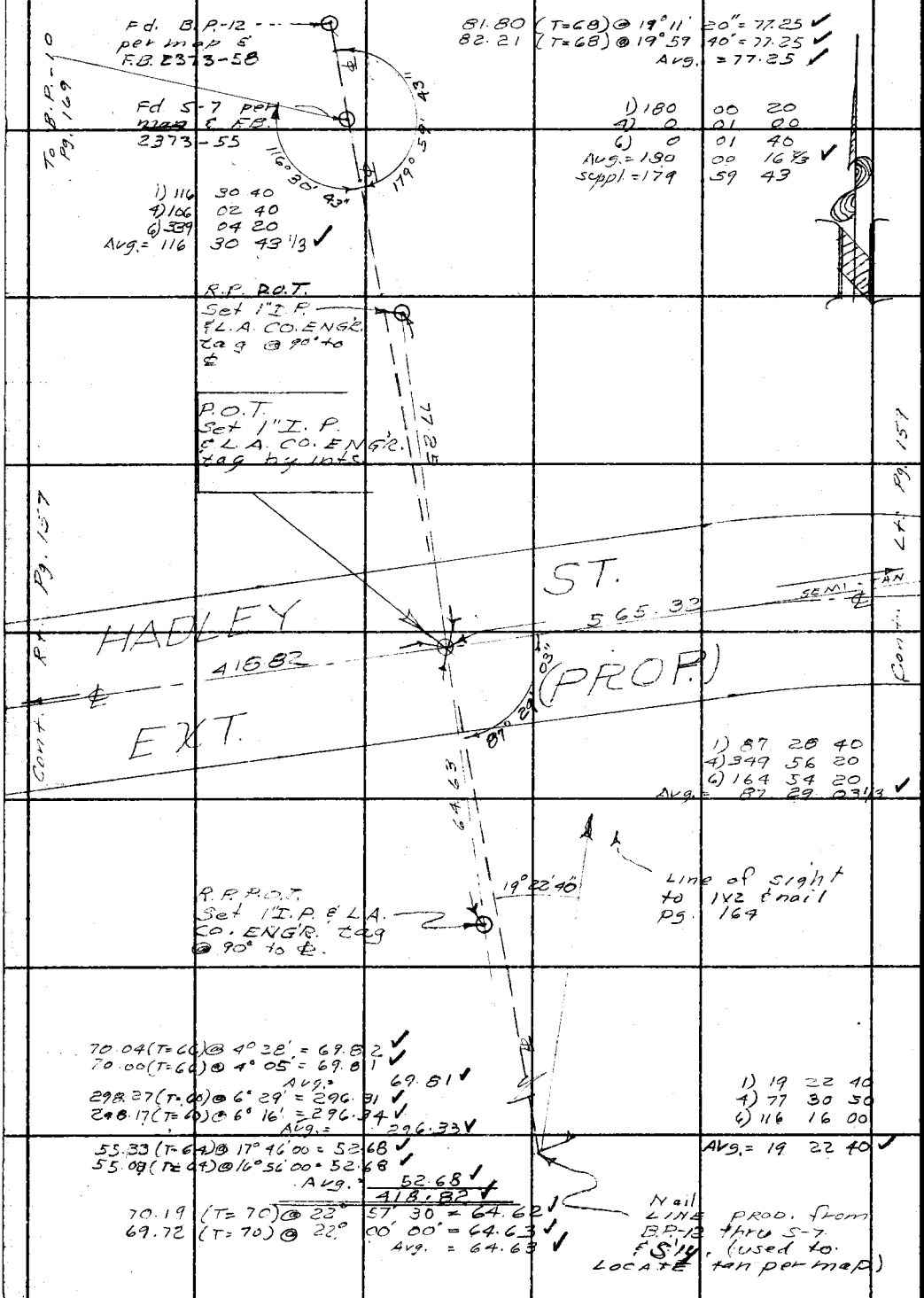
F. B. 2373 PG. 158



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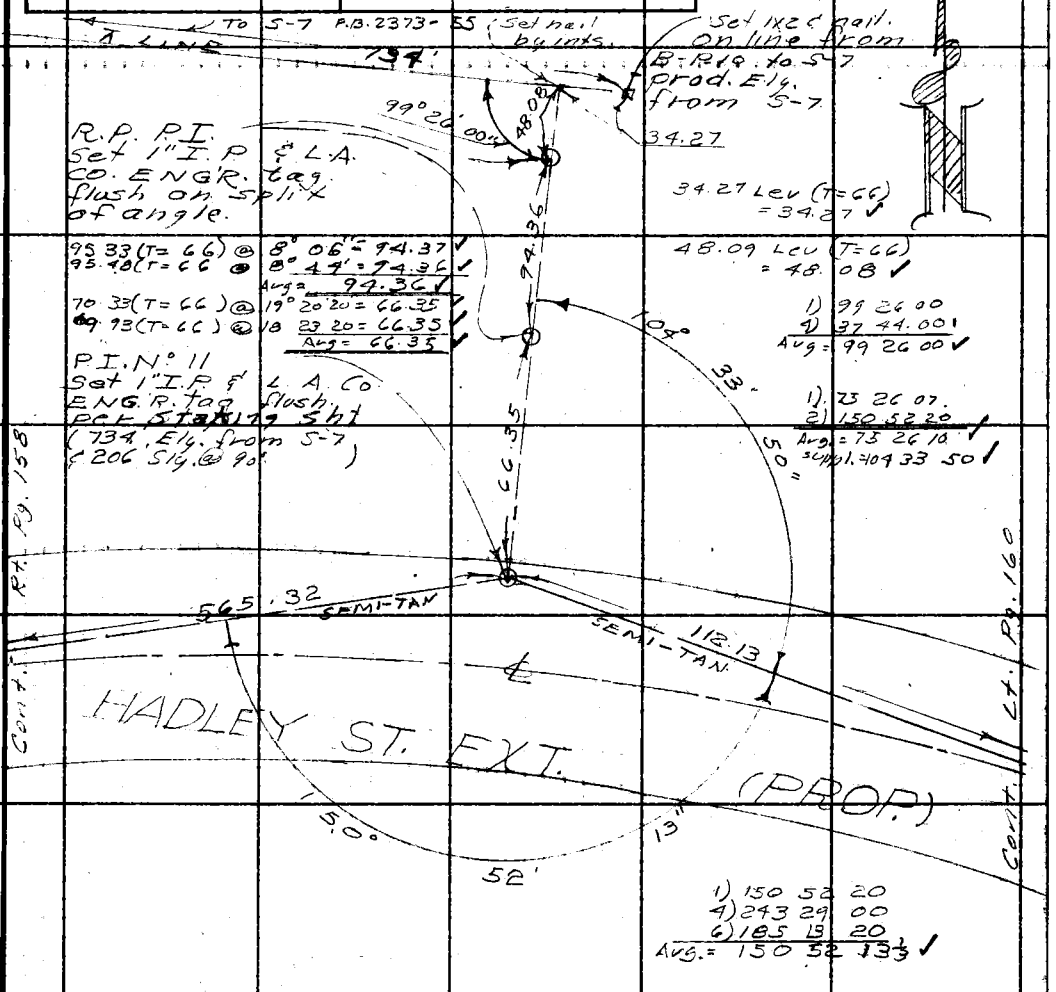
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 159
Map No.	JN 2075.51 Tape 121 Std. 99 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes J. H. B. Date Nov. 1961	
Date	Indexed H. E. OTT	



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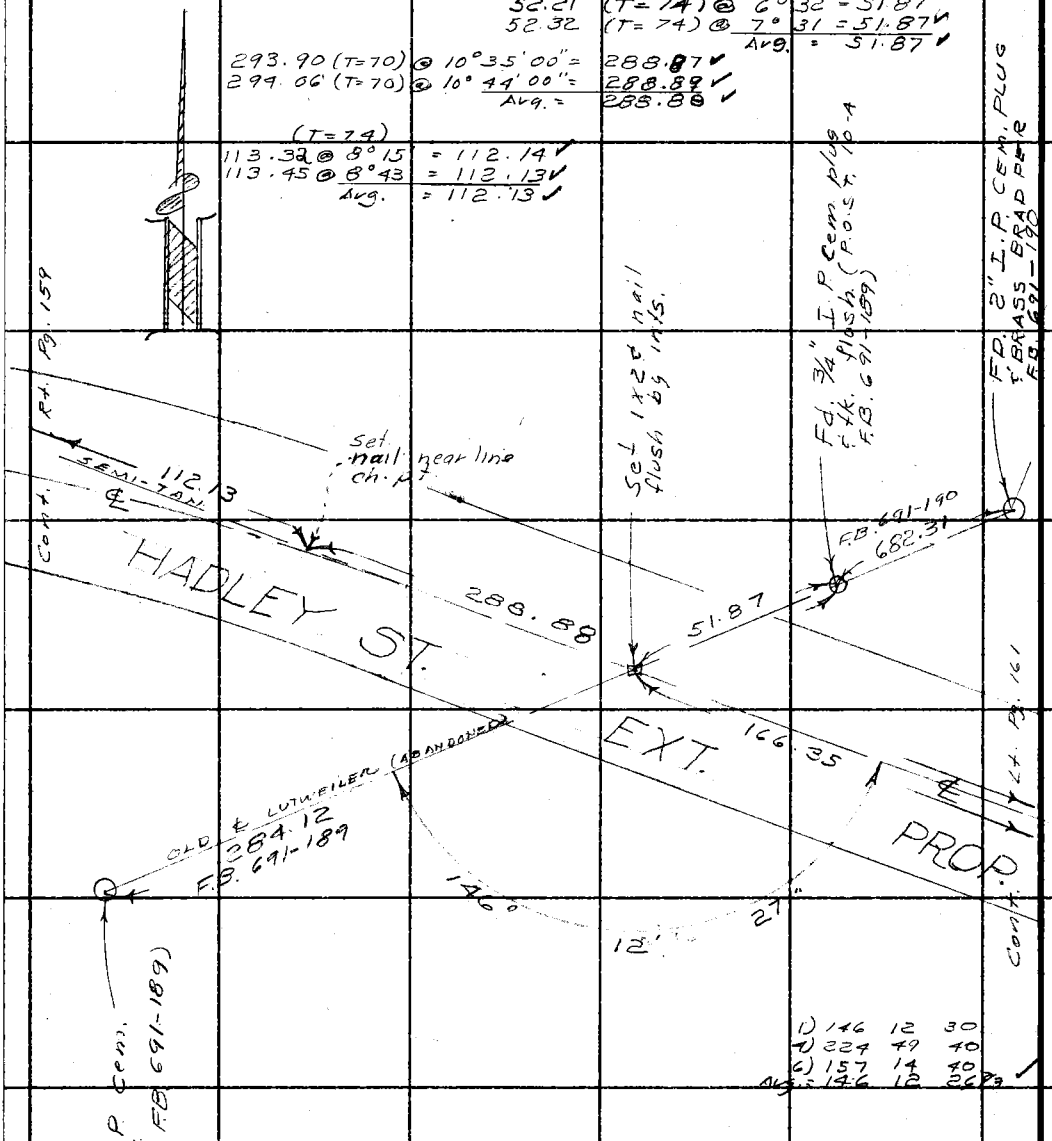
76F3095 CE # 310 3-61

F. B. 2373 Pg. 160

52.21 (T=74) @ 6° 32' = 51.87 ✓
52.32 (T=74) @ 7° 31 = 51.87 ✓
Avg. = 51.87 ✓

293.90 (T=70) @ 10° 35' 00" = 288.87 ✓
294.06 (T=70) @ 10° 44' 00" = 288.89 ✓
Avg. = 288.88 ✓

(T=74)
113.32 @ 8° 15' = 112.14 ✓
113.45 @ 8° 43 = 112.13 ✓
Avg. = 112.13 ✓



1) 146 12 30
4) 224 49 40
6) 157 14 40
Avg. = 146 12 26 2/3 ✓

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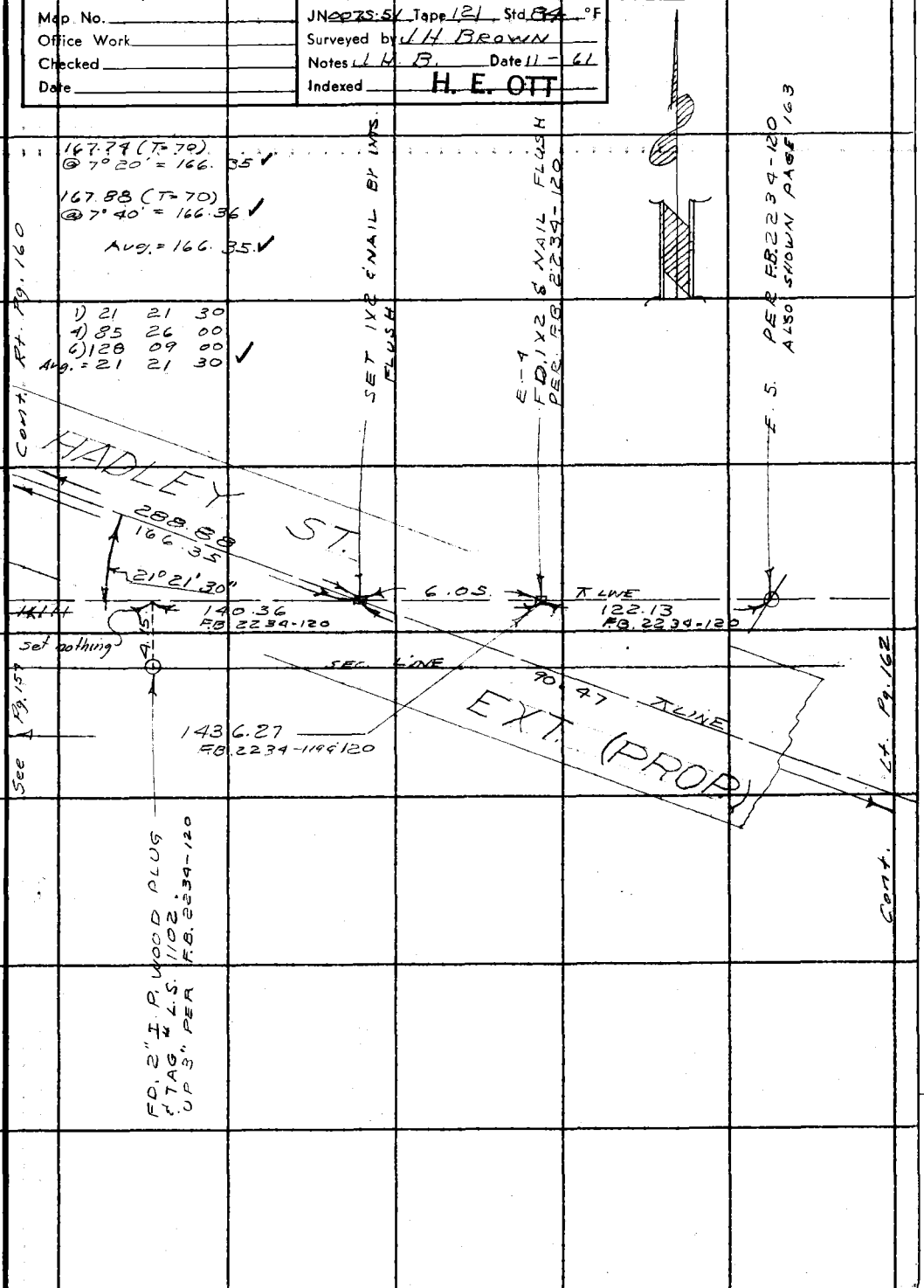
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 161
Map No.	JN 0075-51 Tape 121 Std 84 °F	
Office Work	Surveyed by J H BROWN	
Checked	Notes J. H. B. Date 11-61	
Date	Indexed H. E. OTT	



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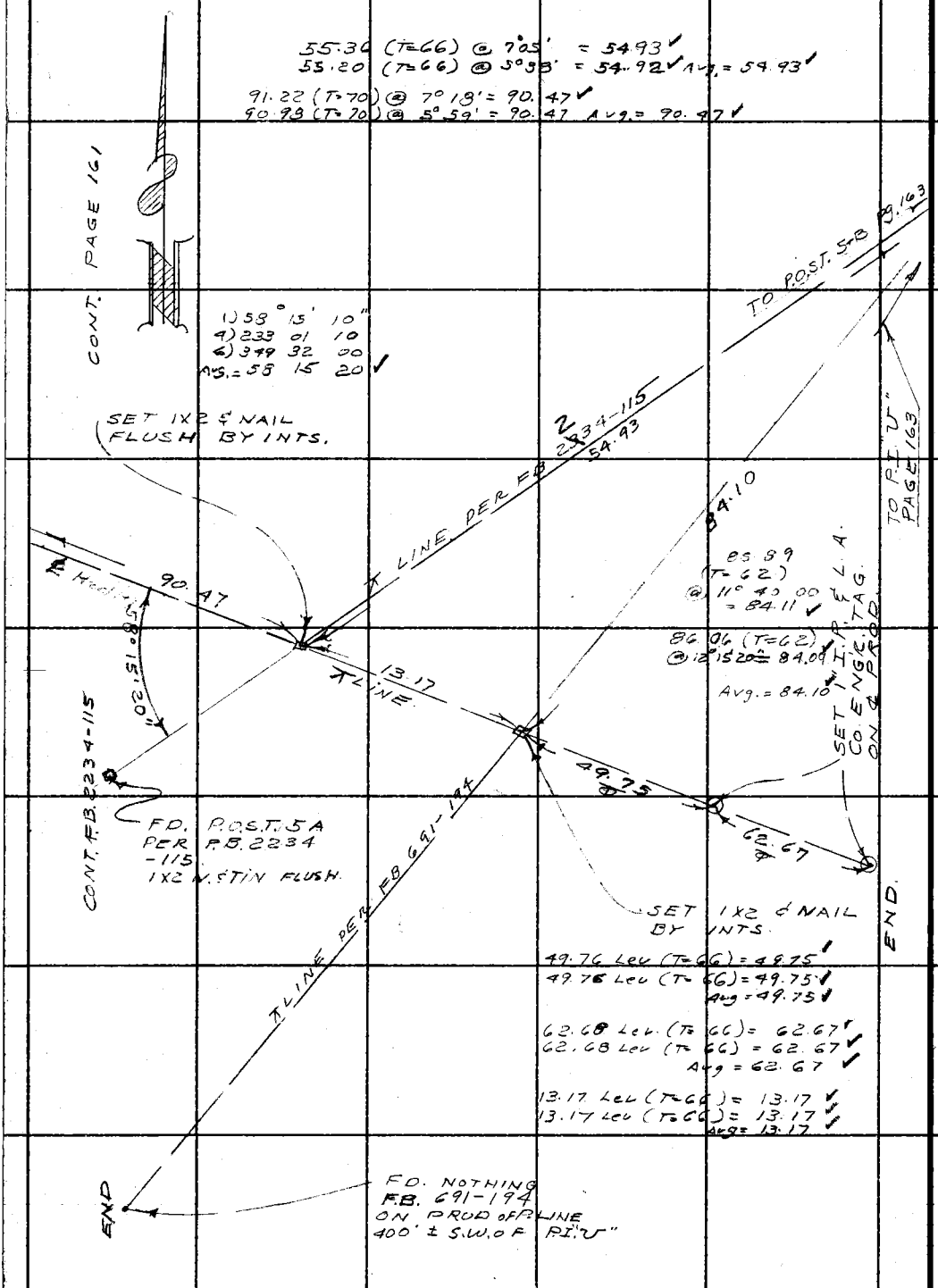
76F309S CE # 310 3-61

F. B. 2373 PG. 162.



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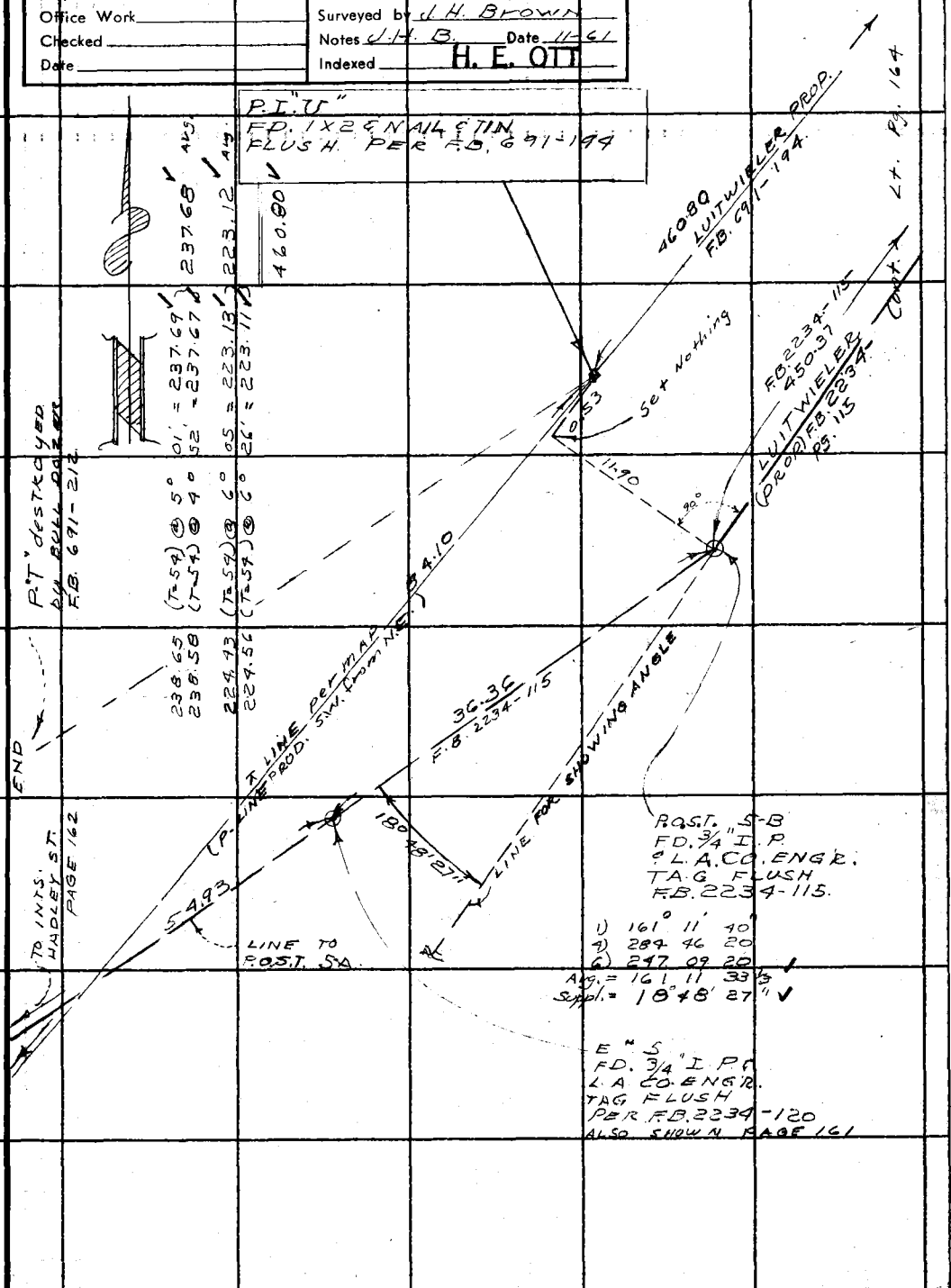
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 PG. 163
Map No.	JN 0075-51 Tape 121 Std 84 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes J. H. B. Date 11-61	
Date	Indexed H. E. OTT	



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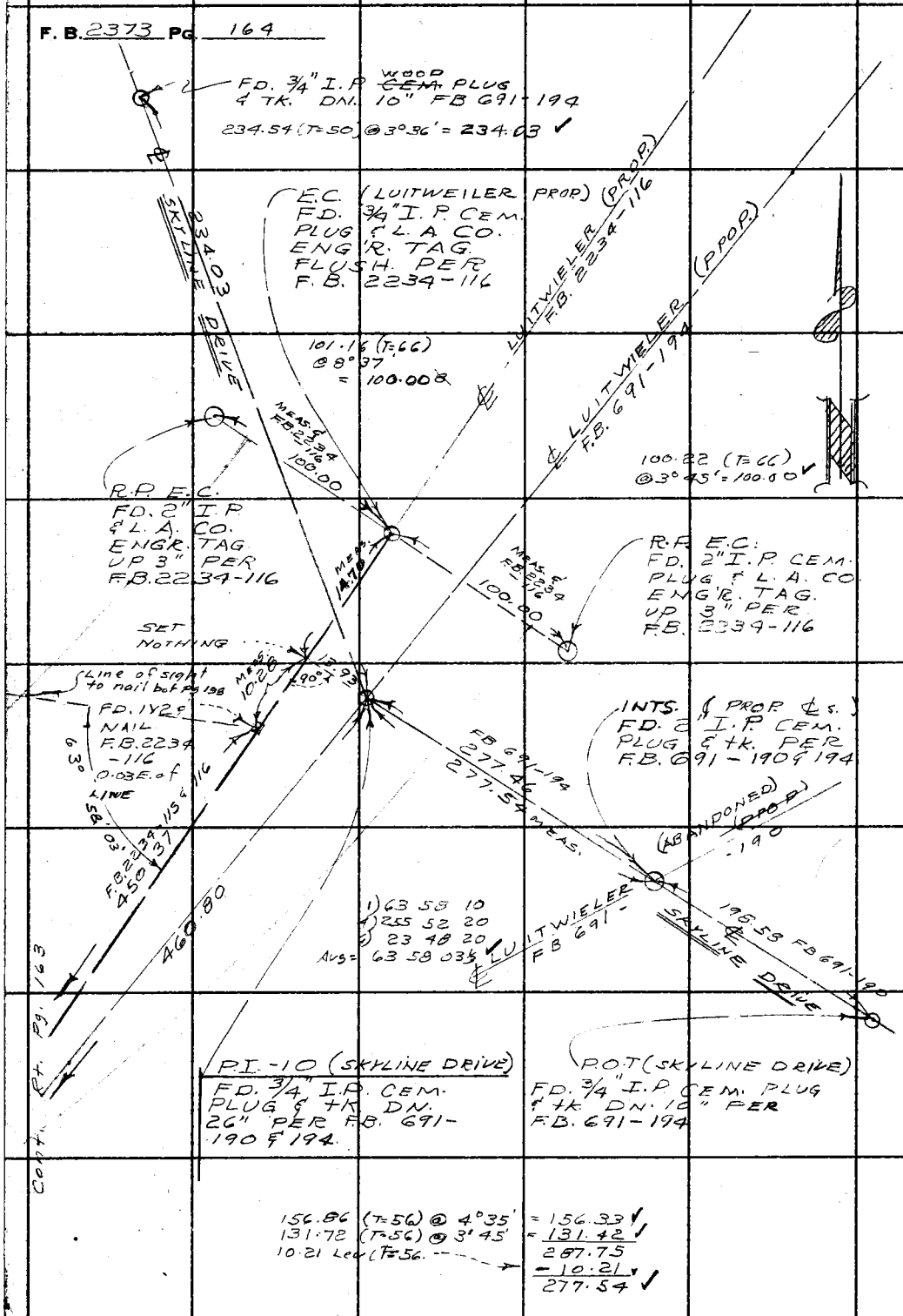
F. B. 2373 PG. 164



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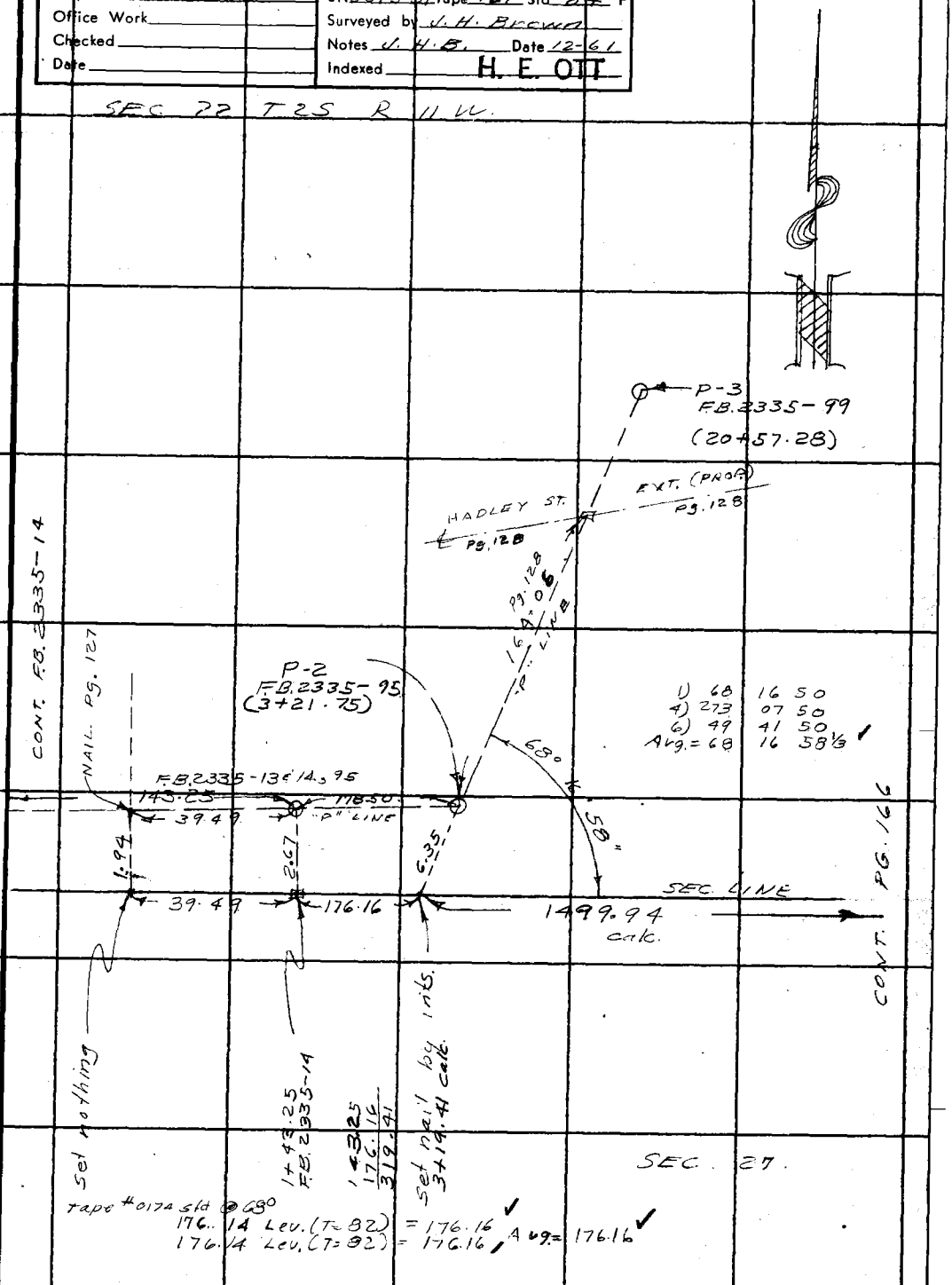
Notes Ck'd by J. AJA	Survey of HADLEY ST. EXT.	F. B. 2373 Pg. 165
Map No.	JN0075.51 Tape 121 Std 84 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date 12-61	
Date	Indexed H. E. OTT	

SEC 22 T2S R 11 W.



tape #0174 std @ 68°
176.14 Lev. (T=82) = 176.16
176.14 Lev. (T=82) = 176.16 Avg. = 176.16

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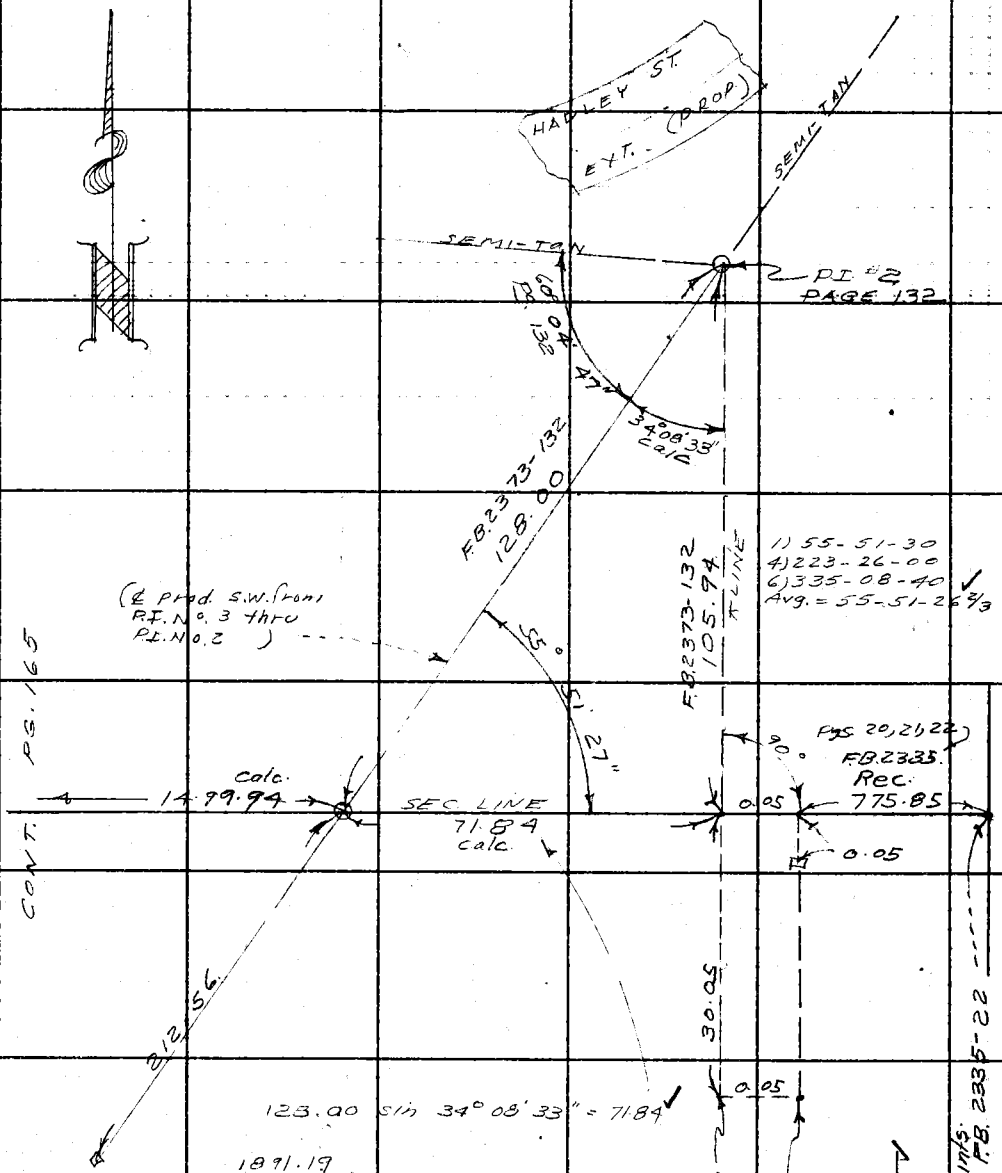
76F309S CE # 310 3-61

F. B. 2373 PG. 166

SEC. 22 T2S R 11W.



1891.19
- 319.41
1571.78
- 71.84
1499.94

212.59 (T=64) Lev. = 212.56
212.59 (T=64) Lev. = 212.56
Avg = 212.56

SEC. 27

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Notes Ck'd by J. AJA	Survey of SECTION LINES	F. B. 2373 PG. 167
Map No.	JN 0302.01 Tape 121 Std 84 °F	
Office Work	Surveyed by J.H. Brown	
Checked	Notes J.H.B. Date 12-61	
Date	Indexed	

H. E. OTT

WS 37D-5

CONT PAGE 151

NE 1/4 SEC 23
T 2 S

NW 1/4 SEC 24
R 11 W

Note: F.B. 2373-52 shows this angle to be. 180 00 20. However it was turned to a sight that was about 100' south

(by parallel lines.)
359 59 60
-180 00 20
179 59 40 calc.

FB2373-71, 72, 73, 151.
965.37
3' offset LINE

SEC. LINE

179°

59'

1/4 COR.

Fd. old nail @ 90° To 1" I.P. replaced with 1X2 & nail.

3.00

Fd. 1" I.P. & L.A. Co. ENGR. tag. Dn. 6" per F.B. 2373-47 & 73

1) 180 00 20
4) 0 01 20
6) 0 02 00
Avg. = 180 00 20 ✓

89.83 (T=66) @ 20°17'40" = 84.24 ✓
89.51 (T=66) @ 19°45'20" = 84.23 ✓
Avg. = 84.24 ✓

20"

84.24

0.01

00'

SET 1X2 & nail (wiggle pt)

SET PENCIL Mark on LINE Prod. from North

180°

ANGLE

56.96 (T=72) Lev. = 56.96 ✓
56.96 (T=72) Lev. = 56.96 ✓
Avg. = 56.96 ✓

LINE of sight for 3' offset LINE 56.96

SEC. LINE

SE 1/4 SEC 23

SW 1/4 SEC 24

0.01

CONT. PG. 168

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76F309S CE # 310 3-61

F. B. 2373 PG. 168

CONT. PG. 167

SE 1/4 SEC. 23
T 2 S

SW 1/4
SEC. 24
R 11 W

Fd. 1X2 & nail flush
F.B. 2373-42, 52, 74

Fd. 2" I.P. wood plug & tag
L.S. 1102
F.B. 2373-47, 52, 74

47.01 (T=60) Lev. = 47.00
47.02 (T=60) Lev. = 47.01
Avg. = 47.00

Set 1X2 & nail @ 90° to 2X2 & on line

Fd. 2X2 & nail

298.61 (T=62) @ 11° 30' 00" = 292.58
298.53 (T=62) @ 11° 27' 00" = 292.55 } Avg. = 292.56

81.00 (T=62) @ 15° 23' 20" = 78.09
80.83 (T=62) @ 14° 57' 00" = 78.08 } Avg. = 78.09

224.89 (T=60) @ 11° 01' 40" = 220.70
224.83 (T=60) @ 10° 56' 00" = 220.71 } Avg. = 220.70

291.41 (T=66) @ 1° 48' = 291.24
291.38 (T=66) @ 1° 30' = 291.25 } Avg. = 291.24

161.05 (T=64) @ 9° 02' = 159.03
161.13 (T=64) @ 9° 13' = 159.03 } Avg. = 159.03

88.35 (T=64) Lev. = 88.34
88.34 (T=64) Lev. = 88.33 } Avg. = 88.34

SUM = 1129.96

Line of sight for angle

3' offset LINE

Section LINE

Fd. 1½" I.P. wood plug & nail (unstable used as brace to fence cor.)
F.B. 2373-47, 53

Set 1X2 & nail flush on line @ 90° to 1½" I.P. & nail

260.45 (T=64) @ 1° 50' = 260.29
260.47 (T=64) @ 2° 04' = 260.27
Avg. = 260.28

67.34 (T=64) Lev. = 67.33
67.35 (T=64) Lev. = 67.34
Avg. = 67.34

Sum = 327.62

CONT. PG. 169

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Notes Ck'd by J. AJA	Survey of SECTION LINES
Map No.	JN 0302.01 Tape 121 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 4-6-62
Date	Indexed

H. E. OTT

F. B. 2373 PG. 169

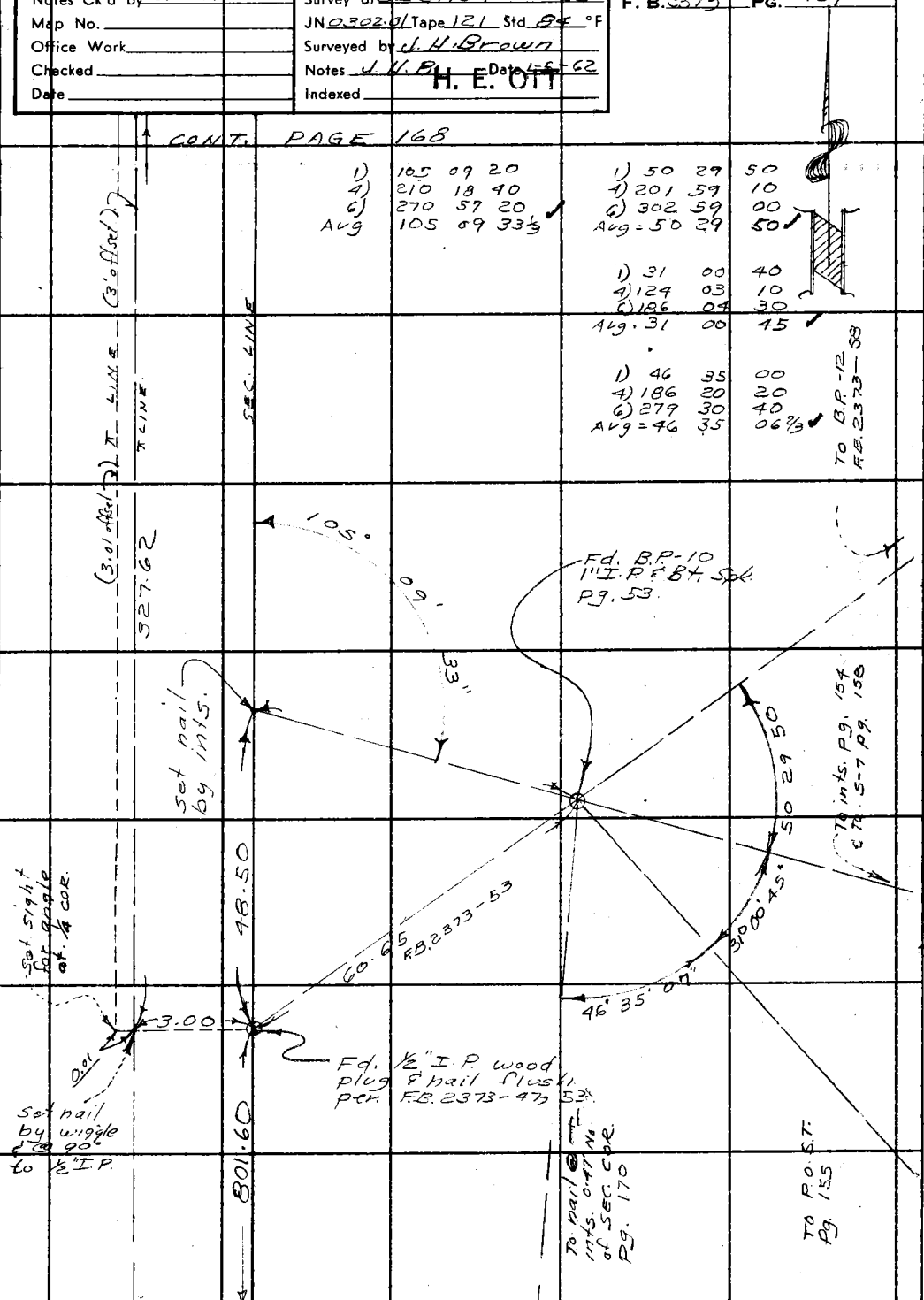
CONT. PAGE 168

1)	105	09	20
4)	210	18	40
6)	270	57	20
Avg	105	09	33⅓

1)	50	29	50
4)	201	59	10
6)	302	59	00
Avg =	50	29	50

1)	31	00	40
4)	124	03	10
6)	186	04	30
Avg.	31	00	45

1)	46	35	00
4)	186	20	20
6)	279	30	40
Avg =	46	35	06⅔



CONT. PG. 170

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76F309S CE # 310 3-61

F. B. 2373 PG. 170

SEC. 23

CONT. PAGE

SEC. 24

99.75 (T=66) @ 11°47'00" = 97.64 Avg = 97.64
99.63 (T=66) @ 11°26'00" = 97.64

299.82 (T=66) @ 18°17'00" = 284.65 Avg = 284.64
299.75 (T=66) @ 18°15'20" = 284.63

81.24 (T=66) @ 15°32'00" = 78.26 Avg = 78.26
81.12 (T=66) @ 15°15'00" = 78.25

107.09 (T=68) @ 29°54'40" = 92.82 Avg = 92.82
106.85 (T=68) @ 29°41'00" = 92.82

253.96 (T=70) @ 12°09'20" = 248.25 Avg = 248.24
254.11 (T=70) @ 12°19'20" = 248.24

SUM = 801.60

1) 02 45 30
4) 11 02 00
6) 16 33 00
Avg = 02 45 30

801.60
2° 45' 00'
TO BP 12 PG

0.13

COMPROMISE Cor.
Fd. 5" casing conc.
plug & spk.

Set nothing

LINE

LINE of sight

TO POINTS / PAGE

1) 88 56 00
4) 355 44 30
6) 173 36 40
Avg = 88 56 06⅔

127.16 (T=70) @ 19° 22' 20" = 119.95
126.70 (T=70) @ 18° 46' 06" = 119.95
Avg = 119.95

71.20 (T=70) @ 12° 25' 00" = 69.52
71.32 (T=70) @ 12° 33' 00" = 69.51
Avg = 69.51

119.95
189.46

189.46 SEC

330°

56'

07"

37 18 50 Adj.

24 38 40 Adj.

LINE of sight TO P.O.S.T. PG

1)

Set nail by wire

0.47

℄ LINE 0° 09' 00" PER FB. 223 7 -119

LINE of 519.87

TO. POST PG.

1) 0 09 00
4) 0 36 00
6) 0 54 00
Avg 0 09 00

SEC. COR.
Fd. 5" Casing
conc. plug &
spk. per

See FB. 2234 -119

1) 37 18 50
4) 149 15 50
6) 223 53 40
Avg = 37 18 56⅔

1) 24 38 30
4) 98 39 40
6) 147 52 00
Avg 24 38 40

SEC 26 T25 R11W SEC 25

W537 P-5

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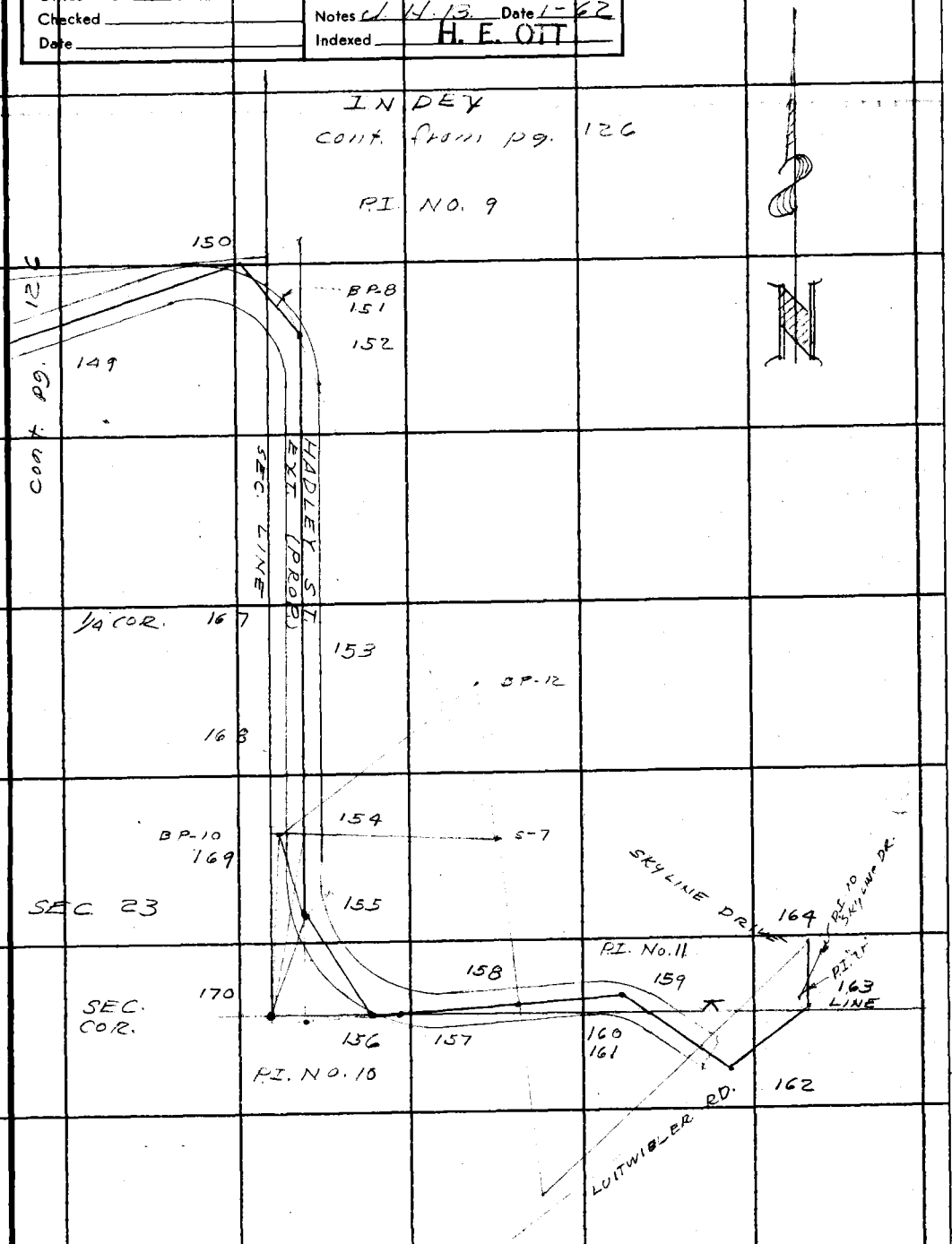
Notes Ck'd by J. AJA	Survey of HADLEY ST EXT
Map No.	JN 0075 S1 Tape 121 Std 8 4 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 1-62
Date	Indexed H. E. OTT

F. B. 3373 PG. 171



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76F309S CE # 310 3-61

Notes Ck'd by	Survey of Hadley St
Map No.	JN 0075.51 Tape Std °F
Office Work	Surveyed by J. Brown
Checked	Notes J.B. Date 11-7-62
Date	Indexed C. J. GALE NOV 14 62

F. B. 2373 PG. 173

J.N. 0075.51

Hadley Street

Recovery of Control points for Aerial Topography

11-7-62

Note

These pts have been shown as found on ground. No Transit-tape survey or Bench Level survey was made to determine any shift in position.

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76F309S S&E #241 1-56

F. B. 2373 PG. 174

For Index See F.B. 2373-647
or F.B. 2335-849
Attached. Control Map in
Aerial spec's shows pt. fd.

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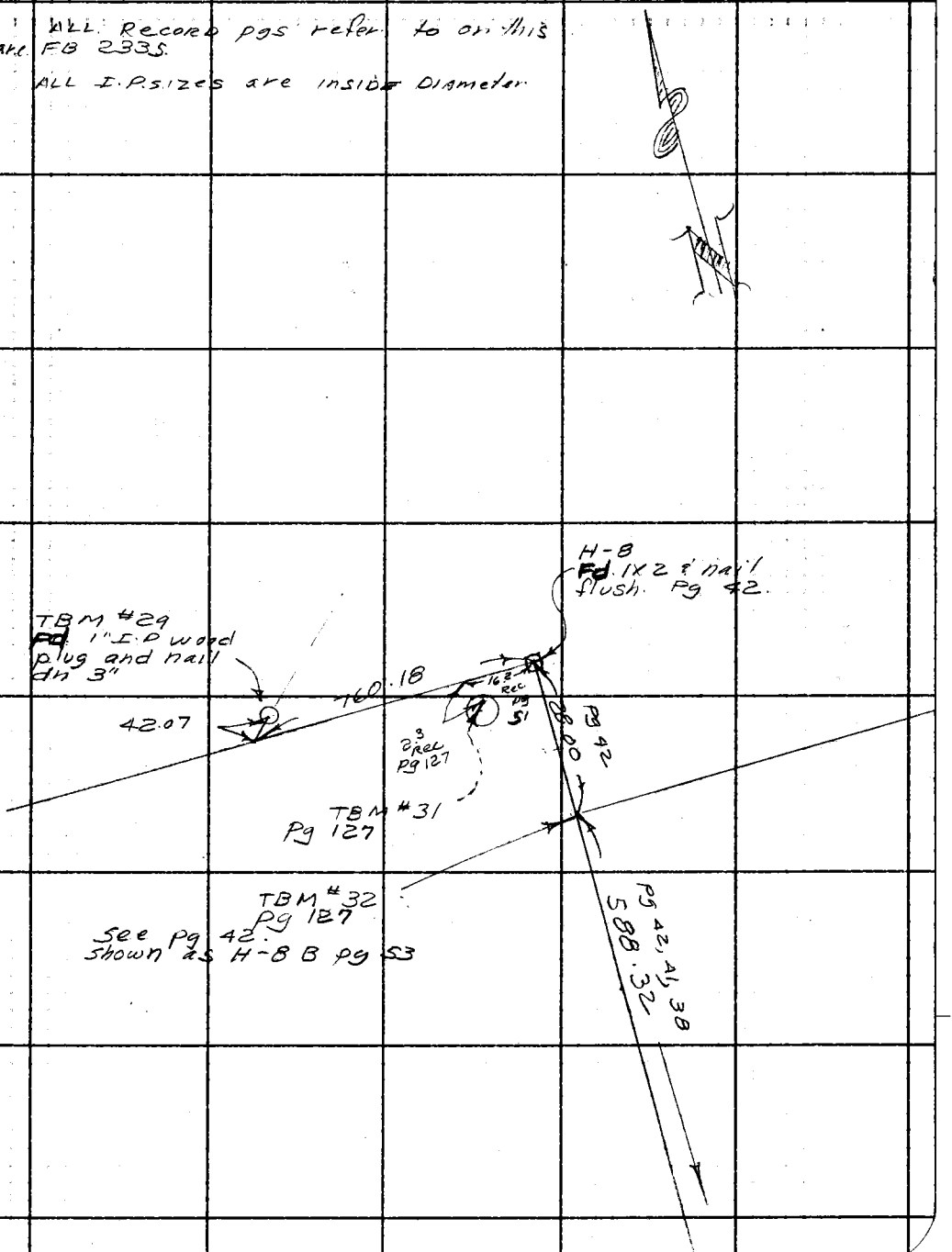
Notes Ck'd by	Survey of Hedley St	F. B. 2373 Pg. 175
Map. No.	JN 00751 Tape / Std °F	
Office Work	Surveyed by J. Brown	
Checked	Notes J. B Date 11-7-62	
Date	Indexed G. J. GALLI	

ALL Record pgs refer to on this and FB 2335.

ALL I.P. sizes are inside Diameter



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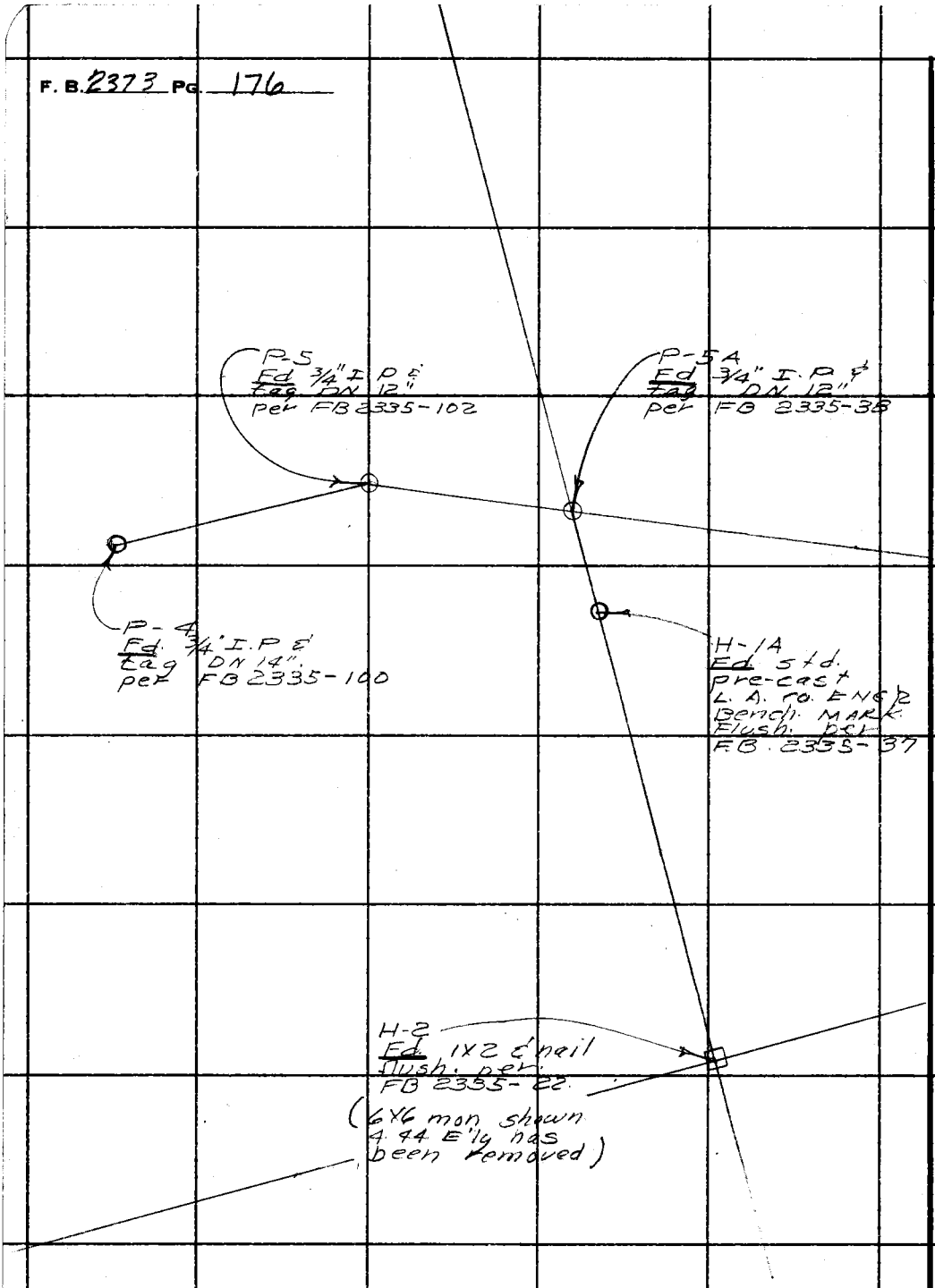
76F309S CE # 310 2-61

F. B. 2373 PG. 176



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Notes Ck'd by	Survey of Hadley St.	F. B. 2373 PG. 177
Map No.	JN 1025-51 Tape Std °F	
Office Work	Surveyed by J. Brown	
Checked	Notes J.B. Date 11-7-62	
Date	Indexed R. J. GALLI	

TBM. #53
Fd. 1" capped I.P.
DN 18" per.
FB 2335-57

P-7
Fd. 3/4" I.P. & ENGINEER
tag. DN 6"
per FB 2335-172

P-8
Fd. 3/4" I.P. &
ENG'R. tag.
DN 6" per
FB 2335-173

P-6
Fd. 3/4" I.P. & ENG'R
tag. DN 6". per
FB 2335-170

P-7A
Fd. 3/4" I.P. & ENG'R
tag. DN 6" per
FB 2335-173

BP-4
Fd. 3/4" I.P. & ENG'R
tag. DN. 12". per
FB. 2335-24
FB 2373-31

BP-3
Fd. 2" I.P. &
brass cap.
UP 4". per
FB 2335-62
FB 2373-31

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76F3095 CE # 310 3-61

F. B. 2373 PG. 178

H-14
Fd Std. pre cast
L.A. Co. B.M. Flush
Stamp "B.M. H-14
1958. R.E. 5869"
FB 2335-67

P-9
Fd 3/4" I.P. & ENGR
tag Dn. 6"
FB 2335-179

P-8 A
Fd 3/4" I.P. & ENGR
tag Dn. 2"
FB 2335-177

P-9 A
Fd 3/4" I.P. & ENGR
tag Dn. 6
FB 2335-181

BP-5
Fd capped 1"
I.P. Dn. 4"
per. FB 2373-32

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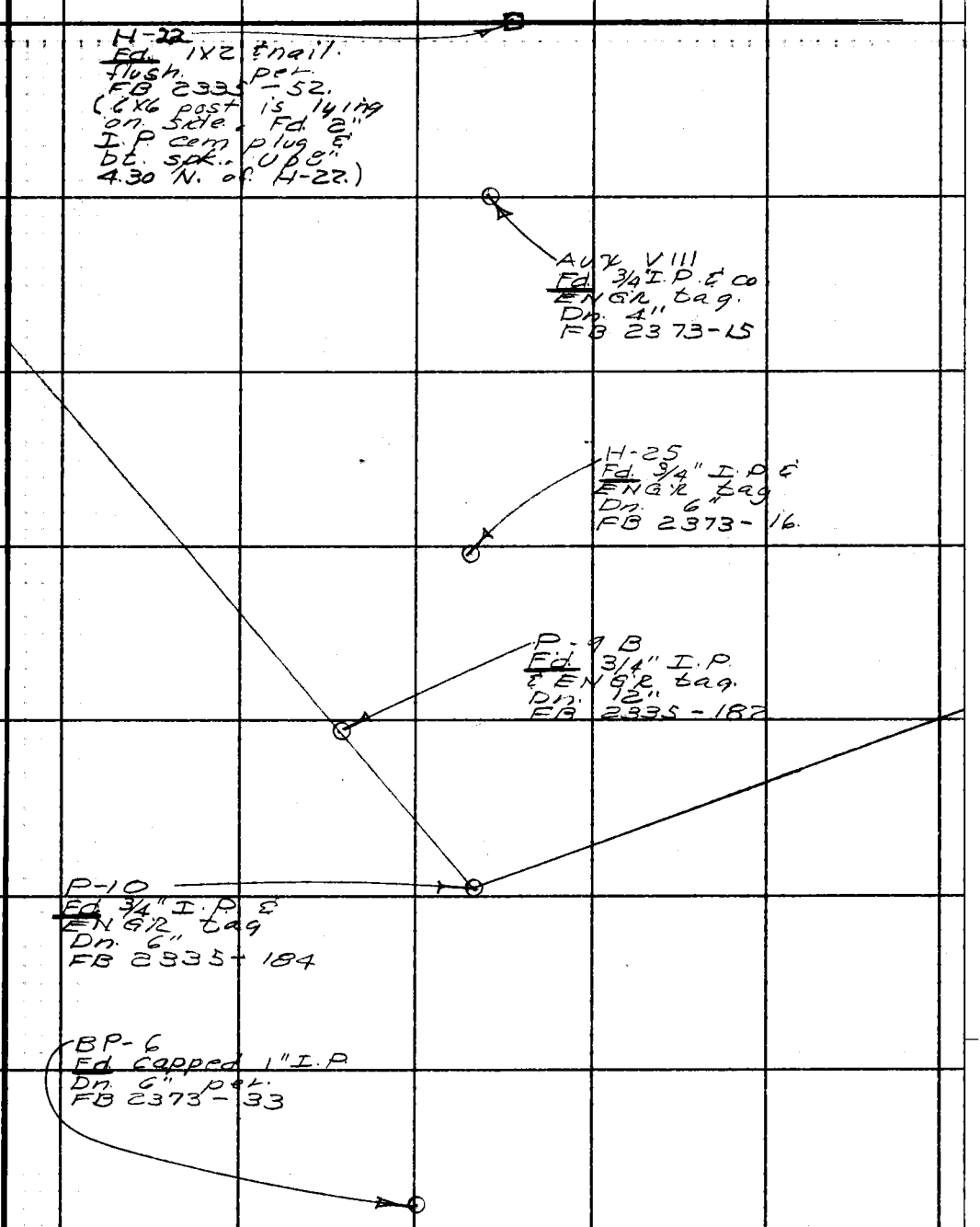
Notes Ck'd by	Survey of Hadley St	F. B. 2373 PG. 179
Map No.	JN 0075.5 Tape Std °F	
Office Work	Surveyed by J. Brown	
Checked	Notes V. B. Date 11-7-61	
Date	Indexed J. GALLI	



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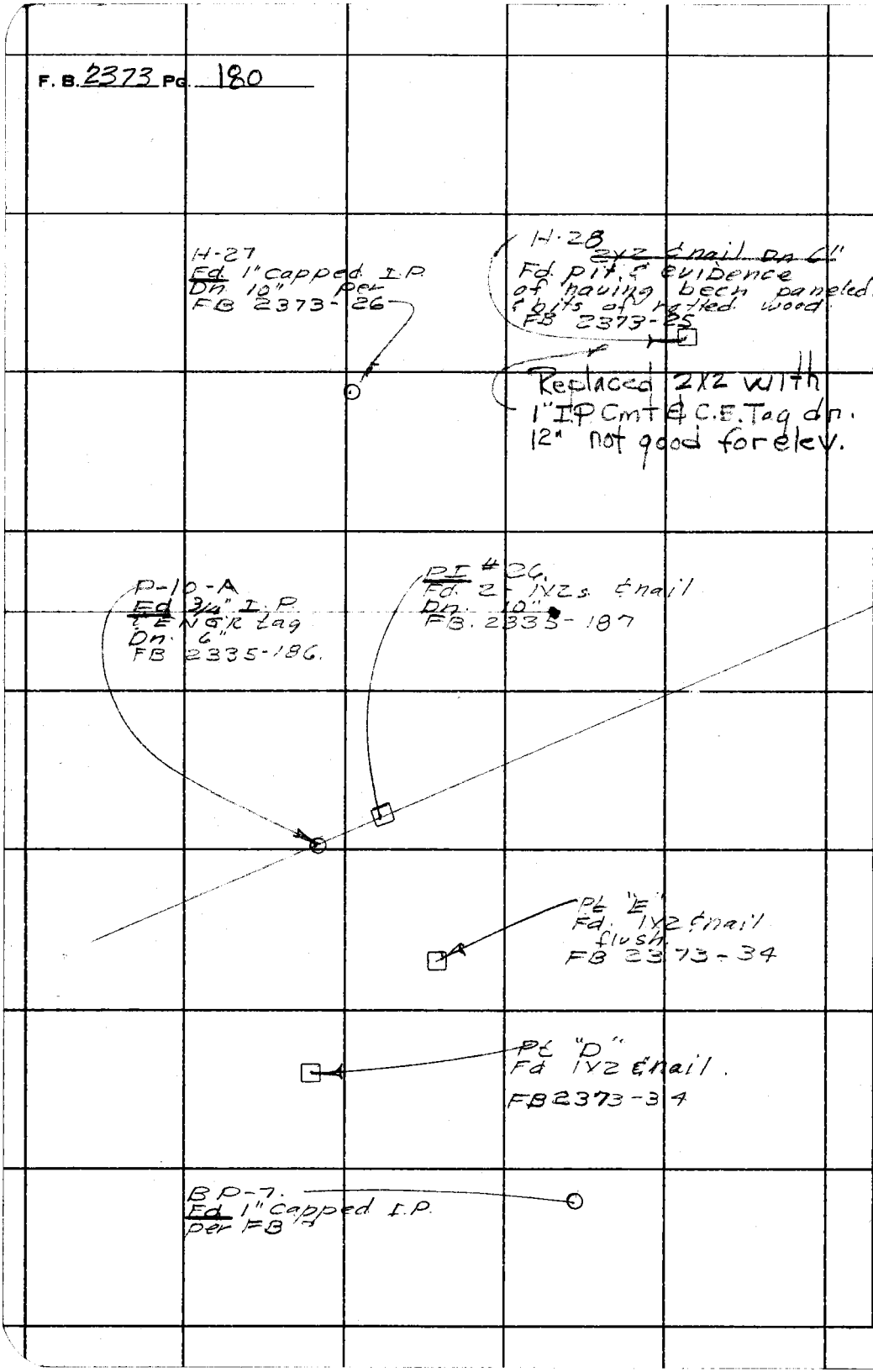
76F309S CE # 310 3-61

F. B. 2373 Pg. 180



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Notes Ck'd by	Survey of Hadley St.	F. B. 2373 PG. 181
Map No.	JN 0075 Shape Std °F	
Office Work	Surveyed by Brown	
Checked	Notes V. B. Date 11-7-62	
Date	Indexed E. J. GALLI	

P-11 A
Fd. 1" I.P & b"t spk
Dn 8" FB 2373-59

P-11
Fd. 3/4" I.P & ENGR
tag Dn. 4"
FB 2335-194

BP-8
Fd 1" I.P & bt
spk Dn. 8"
FB 2373-51

BP-11
Fd 1" I.P &
bt spk Dn. 10"
FB 2373-57

BP-9
Under Micro-wave
Station.

BP-12
Fd 1" I.P & bt spk
DN 4"
FB 2373-58

BP-10
Fd 1" I.P & bt spk
Dn. 10"
FB 2373-53

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76F3095 CE # 310 3-61

F. B. 2373 Pg. 182

S-5 EEC
Fd 1" I.P. & Cap.
FB 2373-83

P.O.T. 4
No Ref. in field.
Not Fd.

S-7
Fd 1" capped
I.P. flush.
FB 2373-55

Fd "EC"
FB 2373-164
FB 2932-105
TBM #22 FB 2932-197
This is pt which was
paneled. MAY 1959
See FB 2373-80

Fd PI-10
3/4" I.P. com
plug & tk
Dn 26"
FB 2373-64

Pt "U"
Fd 1 1/2, nail & tin
flush.
FB 2373-163

Fd POST 5-5
FB 2373-163

Fd E #5
FB 2373-163

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