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

F.B. 2241 Pg.

	Job	Description
		LOS ROBLES AVE. - 0075.26
	Align.	Survey of align. along foothills from Workman Mill Rd. & Mission Mill Rd. to Los Robles Ave. & Turnbull Cyn. Rd. (cont'd on pg. 43)
	B.M.	Bench Levels (Cont'd on pg.131)
0	Align.	Survey of align. & ranch lines fr. Workman Mill Rd. to Los Robles Ave. & 4th St. (cont'd on pg. 171)
7	B.M.	Bench Levels.
5	Align.	Survey of align. continued from above page 130.
2	Topog.	Loc. & elevations on tilt points & cont. points-Photogrammetric cont.
2	ELev.	Photogrammetric control lines for trig. levels.
1	B.M.	Bench Levels to photogrammetric control points.
5	ELev.	Loc. & profile for photogrammetric check.
6	Align.	From 7th Ave. to Turnbull Cyn. Rd.
4	Loc. Imp.	From 7th Ave. to Turnbull Cyn. Rd.

Microfilmed May '86

Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN 0075.26 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown 0134 68
Checked	Notes U.H.B. Date March April
Date	Indexed A. C. Johnson 8-15-57

F. B. 2241 PG. 5

PRELIMINARY SURVEY
OF
LOS ROBLES AVE
J. N. 0075.26

March – August 1957

Index pgs 6, 7, 8,

J. H. Brown chief
K M. Kapp transit
G. R. Merino } head chain
C. H Hill }
H. C. Reuter rear chain.

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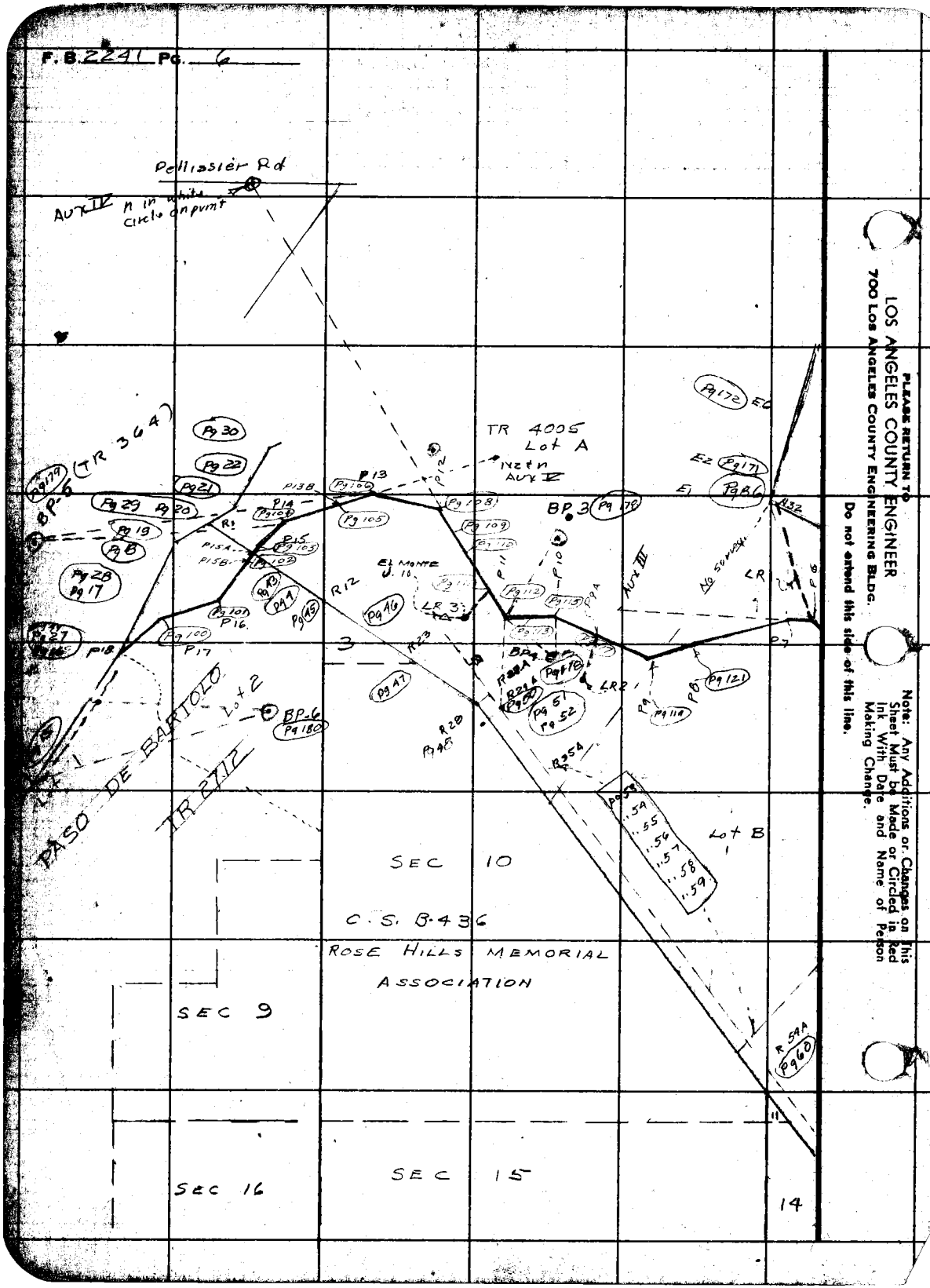
3096 S&E #247 1-

F.B. 2241 Pg. 6


Pellissier Rd
AUX II n in white circle on pvmt
(TR 364)
Pg 30
Pg 22
Pg 21
Pg 29
Pg 20
Pg 19
Pg 8
Pg 28
Pg 17
Pg 27
Pg 26
Pg 179
BP 6
P13B
P13
Pg 106
P14
Pg 104
P15A
P15B
P15
Pg 103
Pg 102
R1
Pg 105
Pg 108
Pg 109
Pg 110
TR 4005
Lot A
N12°W
AUX II
BP 3
Pg 178
P11
P10
Pg 172
E2
E1
Pg 171
Pg 86
R32
LR
P9
P8
AUX III
El Monte
U. 10.
R12
Pg 101
P16
Pg 100
P17
P18
Pg 99
Pg 98
Pg 97
Pg 96
Pg 95
Pg 94
Pg 93
Pg 92
Pg 91
Pg 90
Pg 89
Pg 88
Pg 87
Pg 86
Pg 85
Pg 84
Pg 83
Pg 82
Pg 81
Pg 80
Pg 79
Pg 78
Pg 77
Pg 76
Pg 75
Pg 74
Pg 73
Pg 72
Pg 71
Pg 70
Pg 69
Pg 68
Pg 67
Pg 66
Pg 65
Pg 64
Pg 63
Pg 62
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Pg 34
Pg 33
Pg 32
Pg 31
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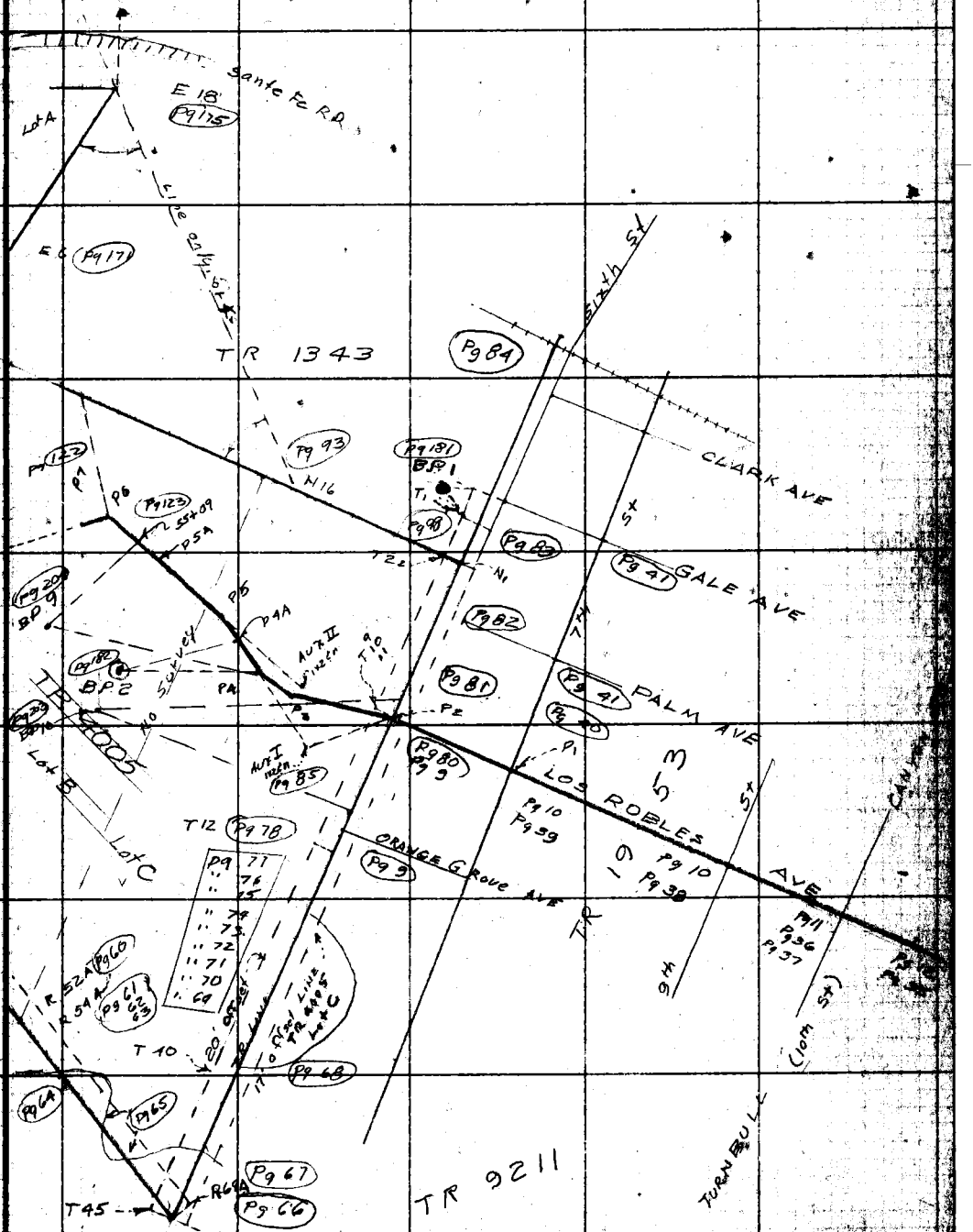
Pg 24
Pg 23
Pg 22
Pg 21
Pg 20
Pg 19
Pg 18
Pg 17
Pg 16
Pg 15
Pg 14
Pg 13
Pg 12
Pg 11
Pg 10
Pg 9
Pg 8
Pg 7
Pg 6
Pg 5
Pg 4
Pg 3
Pg 2
Pg 1
R3
R2
R1
R2A
R2B
R2C
R2D
R2E
R2F
R2G
R2H
R2I
R2J
R2K
R2L
R2M
R2N
R2O
R2P
R2Q
R2R
R2S
R2T
R2U
R2V
R2W
R2X
R2Y
R2Z
R3A
R3B
R3C
R3D
R3E
R3F
R3G
R3H
R3I
R3J
R3K
R3L
R3M
R3N
R3O
R3P
R3Q
R3R
R3S
R3T
R3U
R3V
R3W
R3X
R3Y
R3Z
R4A
R4B
R4C
R4D
R4E
R4F
R4G
R4H
R4I
R4J
R4K
R4L
R4M
R4N
R4O
R4P
R4Q
R4R
R4S
R4T
R4U
R4V
R4W
R4X
R4Y
R4Z

Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN 007526 Tape 135 101 0134 Std 84 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date March April 57
Date	Indexed A. C. Johnson

F. B. 2241 PG. 7



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76F3058 S&E #247 1-56

F.B. 2241 Pg. 8

LIST OF PAGE NUMBERS & CONTENTS

Pgs 5 to 8 = index
Pgs 9 To 12 = retracement ℄ existing Los Robles Ave
Pgs 13 & 14 = 13-blank (pg 14 ℄ El Monte G-11 4/58)
Pgs 15 to 22 = retracement of ℄ Workman Mill Road from Mission Mill Rd north to 5th Ave (proposed). ("W" line)
Pgs 23-24 Blank.
pgs 25 to 30 = Bench levels along above Workman Mill Rd.
Pgs 31 to 42 = Bench Levels from Hacienda Blvd To 7th St. via Los Robles Ave.
Pgs 43 to 66 = S line of RANCHO LA PUENTE & S line of TRACT 4005 ("R Line)
Pgs 66 to 78 = E line lot C TRACT 4005 ("T" line)
Pg 79 = BLANK
Pgs 80 = Ints. "P" line, & TRACT line at Los Robles Ave 1410' West of 7th Ave.
Pgs 81 to 83 = E line lot C (TR 4005) from Los Robles Ave N To TR. 1343.
Pgs 83 to 84 = ℄ 6th Ave from TR. 3309 To Clark Ave
pg 85 = Aux #I 1015' S/g from P 4 (addition made) 4/58
Pg 86 = S.W. Cor TR 1343. (west end "N Line; South end of "E" line & "N 32 = NE end of tie line to "P 6") Revised 4/58
Pg 87 = ~~BLANK~~ 4/8/58 TBM 68 & LR-1
Pg 88 - 98 = North line lots B & C TR 4005
Pg 99 - 126 = "P" from WORKMAN Mill ROAD (P18) to E line TR 4005 (P 2)
Pg 127 - 128 = "S" Line bet. "R 29A" & "P 11"
pg 129 & 130 = Sketch of additional angles use to check "p line over rough country & to calc. various ties.
Pg 130 = Details of Ed Co. Tower #10-2 & BM LR-3
Pg 131 - 168 = Bench levels on "P" Line incl. LR-1; LR-2 & LR-3
Pg 169 - 170 = BLANK.
Pg 171 - 175 = E line Lot A TR 4005 (E-2 To E-19) (Additions & Revisions Noted Pg 177 (Index)
Pg 176 = BLANK.
Pg 177 - 182 = LOCATION BP #1, #2, #3, #4, #5, #6,
Pg 183 - 190 = Verticle ∠s to BP #1, #2, #3, #4, #5, #6
Pg 191 - 202 = BENCH LEVELS (circuit #5 E end) (circuit #6 W end)

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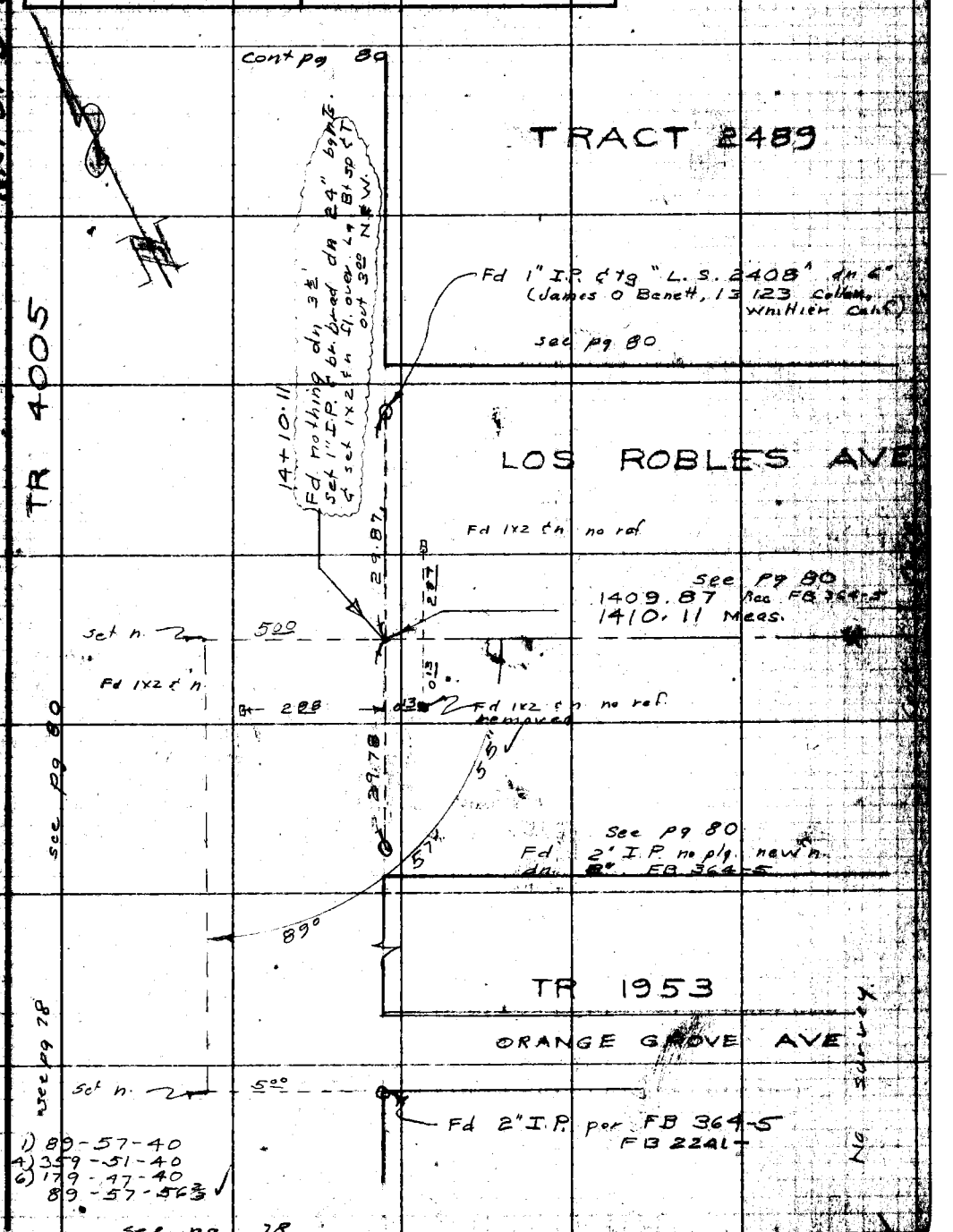
Map No. B-2704	JN0075-26 Tape 0134 Std 68 °F
Office Work T. H. BURNS	Surveyed by J. H. Brown
Checked	Notes J.H.B Date 11-29-56
Date	Indexed A. C. Johnson

F. B. 2241 Pg. 4

W.S. 37-D-3



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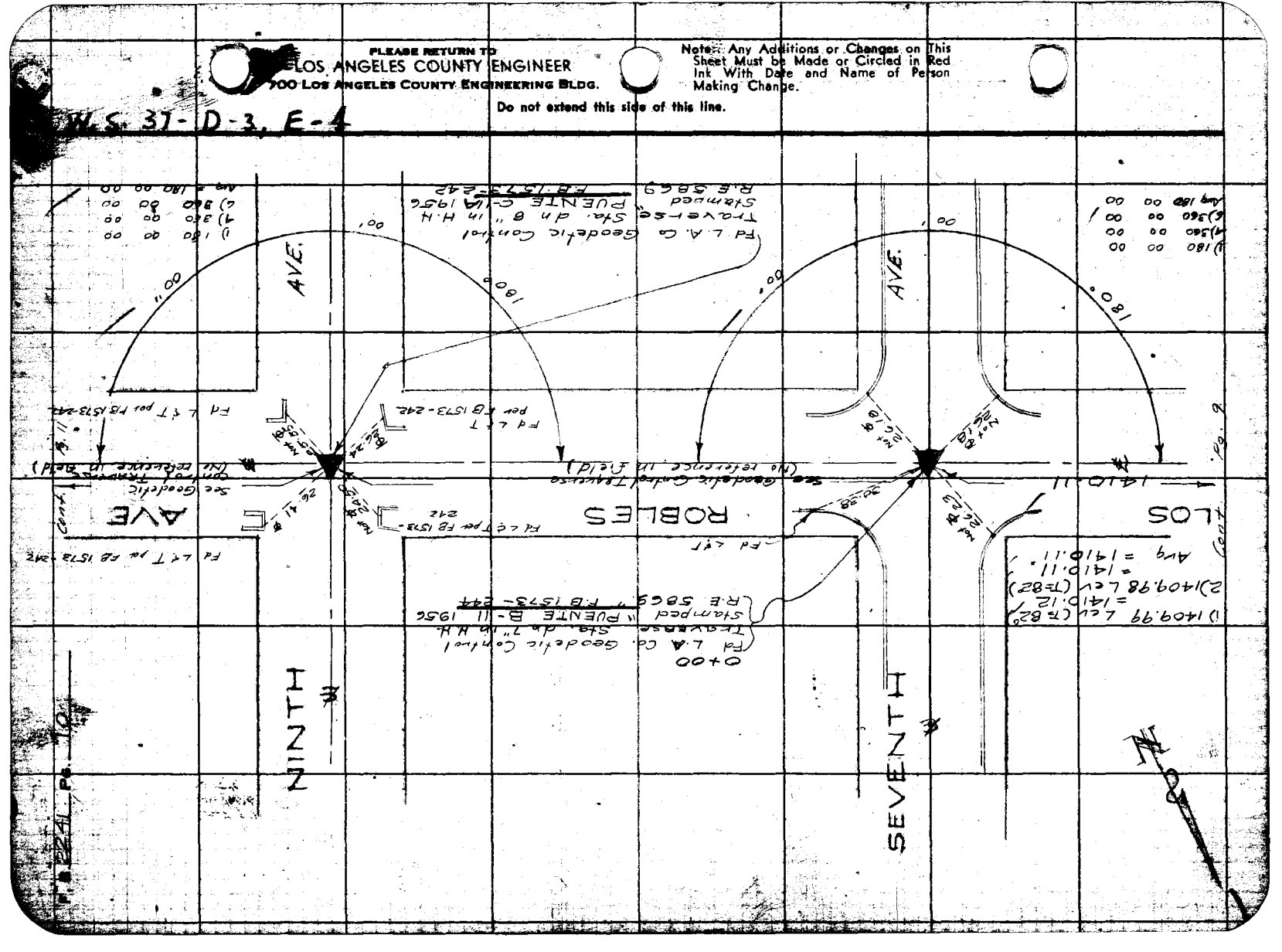
W.S. 37-D-3, E-4



76F3098 S&E #247 1-56

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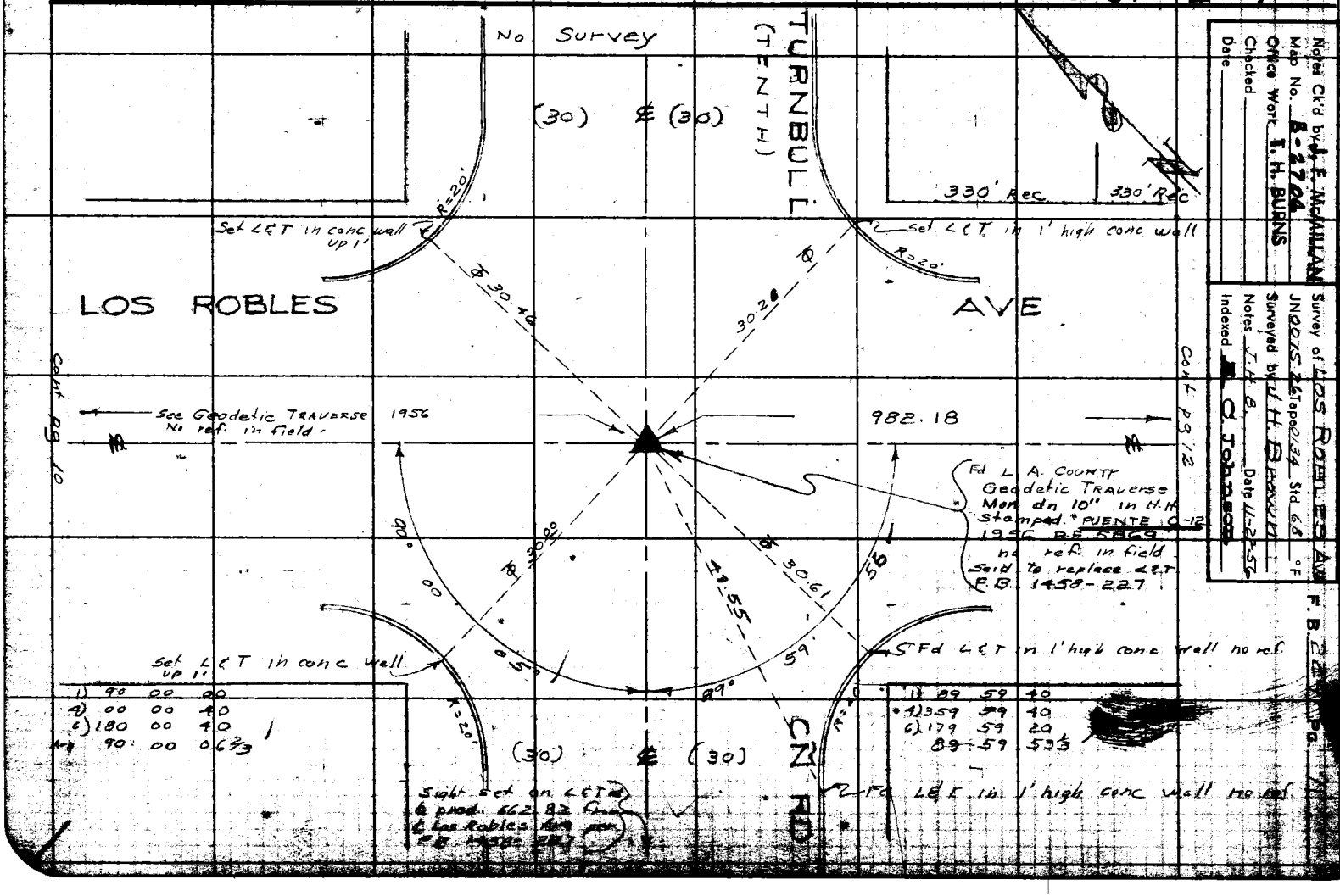
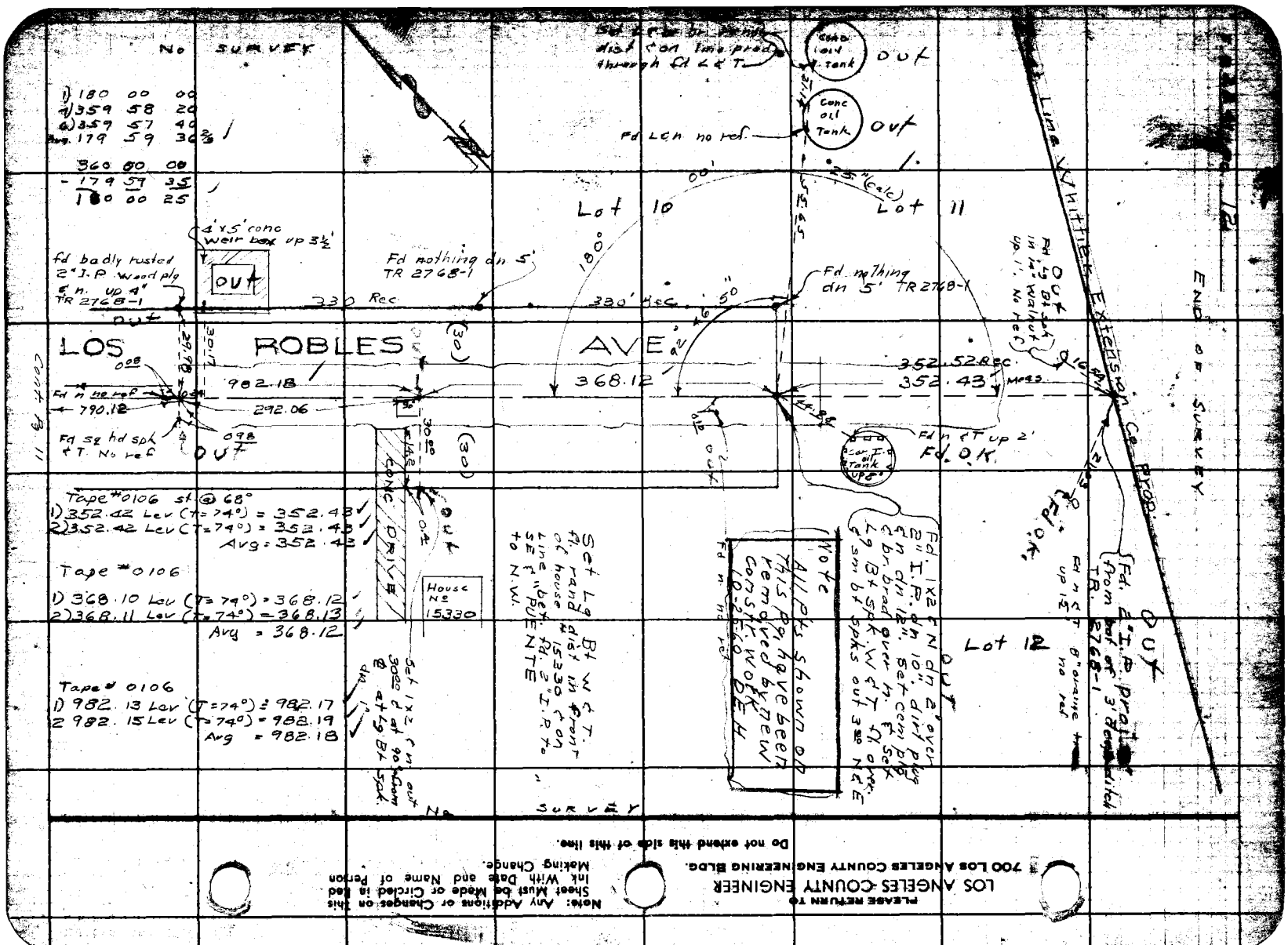
W.S. 37-E-4



Notes Ck'd by J. F. McMILLAN
Map No. B-2704
Office Work T. H. BURNS
Checked
Date

Survey of LOS ROBLES AVE
JN 0075.26 Tape 0134 Std 68 °F
Surveyed by J. H. Brown
Notes J.H.B. Date 11-27-56
Indexed C. Johnson

F.B. 22 Pg.



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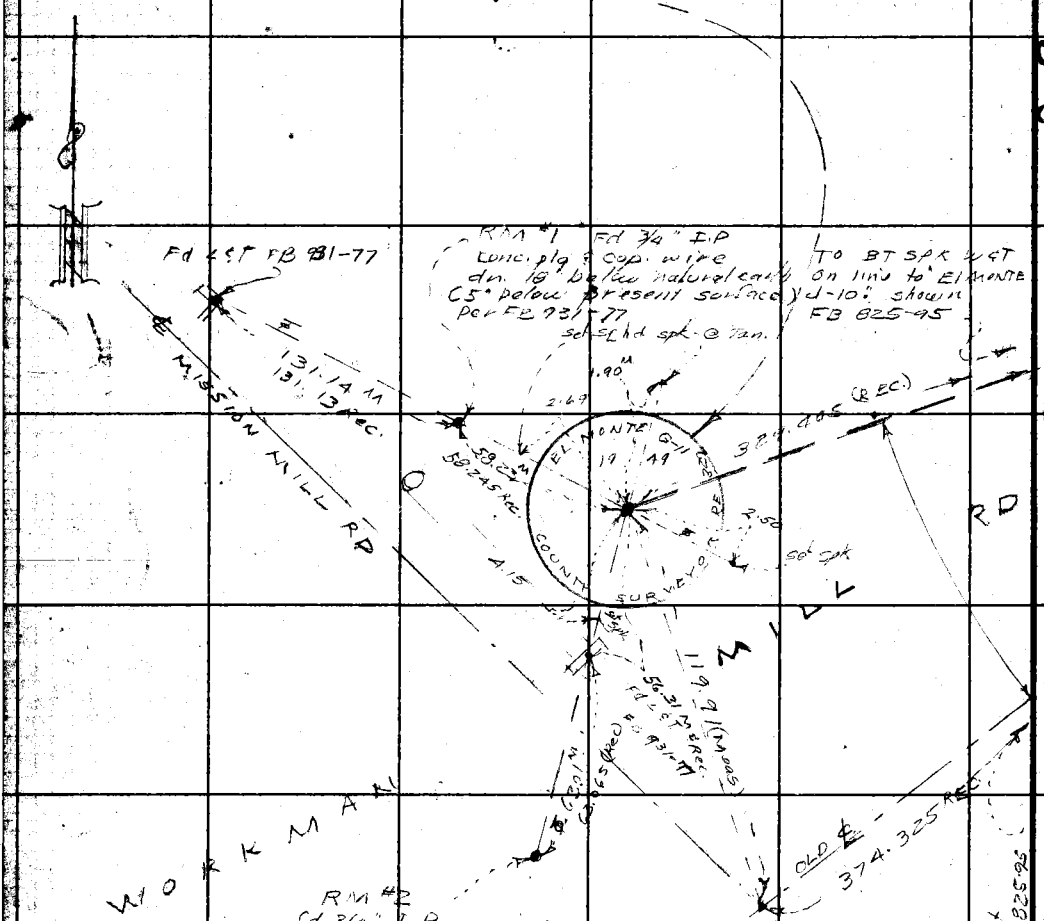
P.B. 2241 Pg. 14

EL MONTE G-11

Fd. std. L.A.Co. SURVEY CONTROL SYSTEM TRIAN. STA. dm. 1' per FB 931-77. Marked as shown below. set 2' sq conc. pad & H.N. fl. over.

W5137-B-3



Tape #29 s/d @ 94°
T= 66°

42.89	43.29
77.03	76.64
119.92	119.93
-.01	-.01
119.91	119.92

Avg = 119.915

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Notes Ck'd by J. F. McMILLAN	Survey of LOS ROBLES AVE
Map No.	JN 007526 Tape 0115 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 1-57
Date	Indexed E. C. Johnson

F. B. 2241 Pg. 12

W.S. 37-B-3

Note: see FB. 1876 for more thorough survey this Area July 1957.

N

MISSION MILL ROAD

END SURVEY

Fd. ct spk w. & T. fl. Marked with white paint "126+12 18/8C R.P. 79.55 ℄" No ref.

Fd sq hd spk & T fl. No ref.

Fd STATE OF CALIF. DIV. OF HWYS MON. dn 1/2" in H.H. No ref.

Fd 2x2 & n. dn. 3" FB 379-146 & 185

54.32

21.94

18.59

Set n.

(014)

RD

559.33

"P"

WORKMAN MILL

18.59

18.64

10.18

24.48

R

AUX VIII

Set nothing

Tape #0115 std @ 68°

① 559.33 Lev (T=66°) = 559.32

② 559.33 " " = 559.34

Avg = 559.33

Fd ch't & P.M. in conc. ret. wall marked with white paint "P.I. PROD. LINE ONLY"

① 1065.88 Lev (T=68°) = 1065.88

② 1065.89 Lev (T=68) = 1065.89

Avg = 1065.88

END SURVEY

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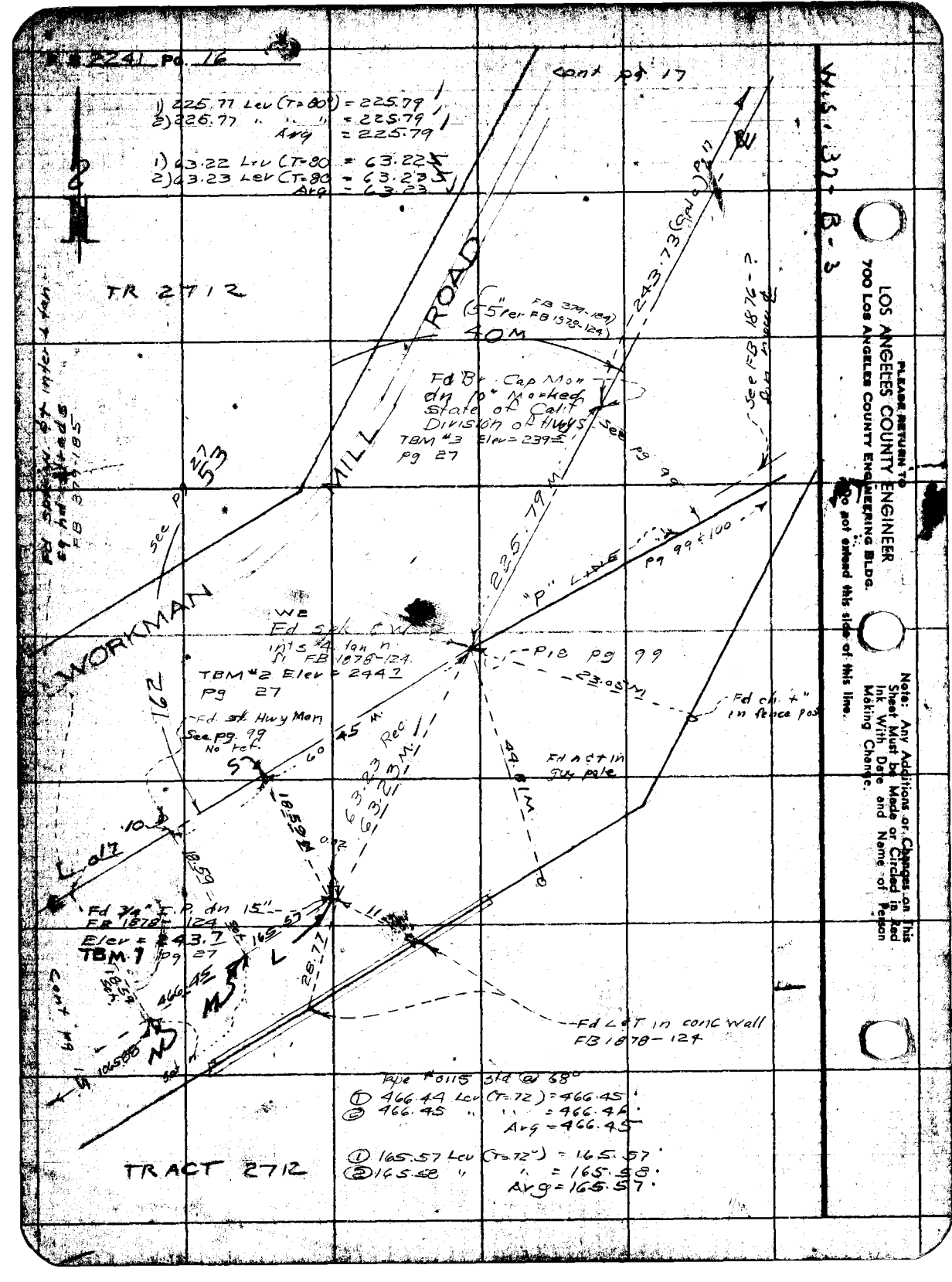

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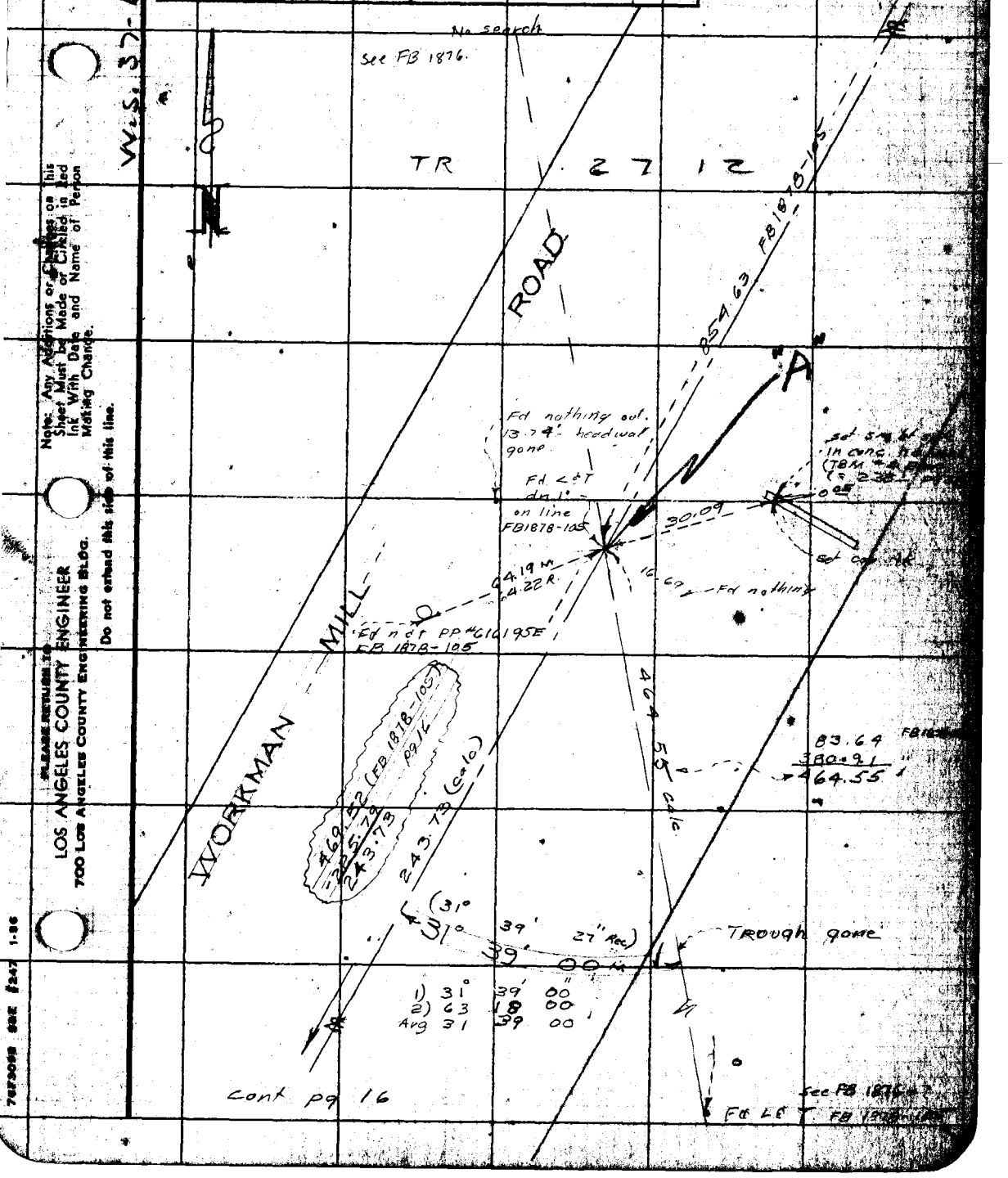
Map No.	JN 0075-26 Tape 0115 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 2-57
Date	Indexed R. C. Johnson

F. B. 2241 Pg



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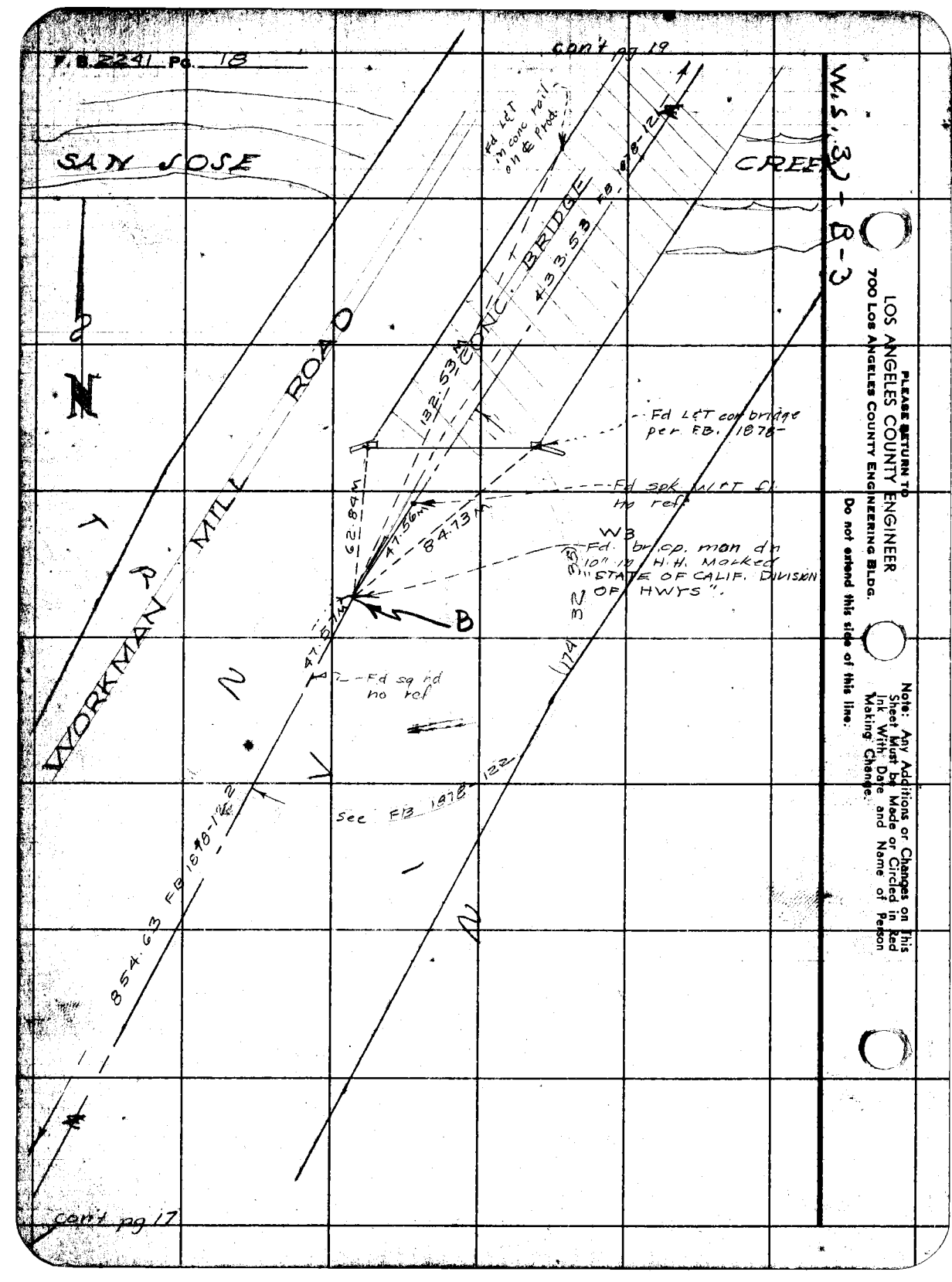
7673098 S&E #247 1-56

F.B. 2231 Pg. 18

cont pg 19

SAN JOSE



cont pg 17

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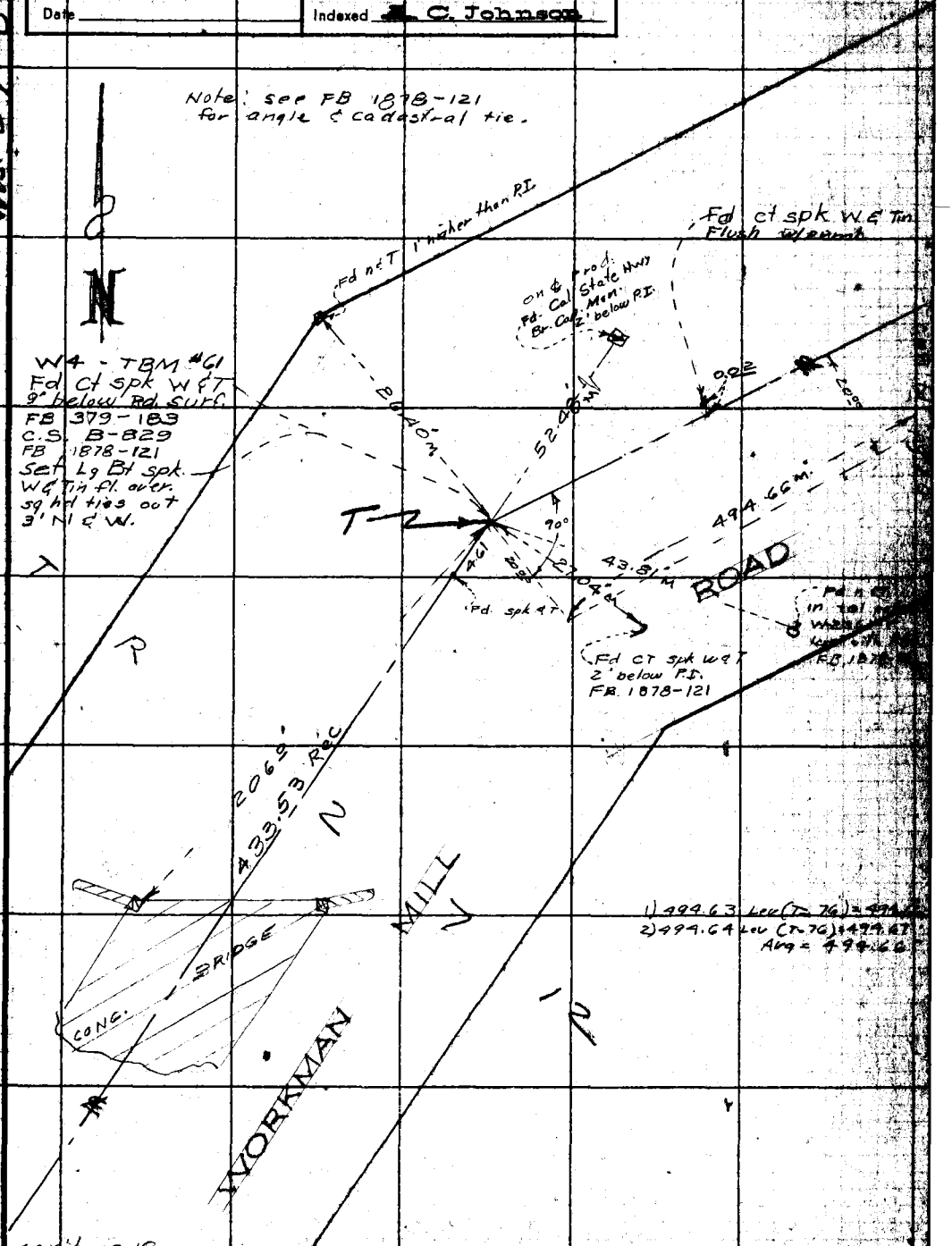
Map No.	JN 007526 Tape 0115 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 2-57
Date	Indexed C. Johnson

F. B 2241 Pg. 19

W.S. 37-B-3



con't pg 18

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76F3095 S&E #247 1-56

F.B. 2241 Pg. 20   TR 3629

8.50		
15.62		
8.93		
33.05		

sight on wrong pl

1) 65 56 40
4) 263 47 40
6) 35 41 20
Avg) 65 56 53⅓

sight on wrong pl

1) 175 21 30
4) 341 26 40
6) 332 10 00
Avg) 175 21 40

Re-run 7-8-57

1) 175 20 00
4) 341 20 00
6) 332 00 00
175 20 00

1) 184 38 30
4) 18 33 50
6) 27 50 50
Avg 184 38 28⅓

1) 451.05 Lev (T=76) = 451.07
2) 451.05 Lev (T=76) = 451.07
Avg = 451.07

Re chain 7-8-57

3) 451.06 (Lev)(Temp = 88°) = 451.12
4) 451.06 " " = 451.12
Avg = 451.12

Re-turn 4. 7-8-57

1) 65 58 00
4) 263 53 20
6) 35 50 10
Avg = 65 58 2⅔

W.S. 37-C-3

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Notes Ck'd by J. F. McMILLAN	Survey of LOS ROBLES AVE
Map No.	JN 0075.26 Tape 0115 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date Feb 57
Date	Indexed C. Johnson

F. B. 2241 PG. 27

W.S. 37-C-3

Inst. on wrong pt. [illegible]
1) 146 59 00
4) 227 56 50
6) 161 55 40
Avg 146 59 16⅔

Return ∡ on pt set.
7-8-57
1) 147 01 20
4) 228 05 40
6) 162 08 40
Avg: 147 01 26⅔

TR 364

N

WOORKMAN MILL ROAD

cont. pg 22

1020

468.33

52.46 set

25"

59

40.73 set

147°

146

9.38

10.00

16.30

Set N.&T. in Top 8x8 Guard Post

Fd nothing dn 8" per F.B. 825-97 FB 379-182

set 1" I.P. & Eng tg dn 18"

set 1x2 & n ft on 10ft offset line

102.22

Set N.&T. in Top 1"x8" Guard Post 25.17

Set N.&T. in Tel. P. W2035

TR 4005 Lot A

451.12 450.91 FB 825-97

Set N.&T. in 40" Euc. Tree up 35

1000

cont pg 20

1) 468.29 Lev (T=78°) = 468.32
2) 468.31 Lev (T=78) = 468.34
Avg = 468.33

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7EF3006 SBE #247 1-56

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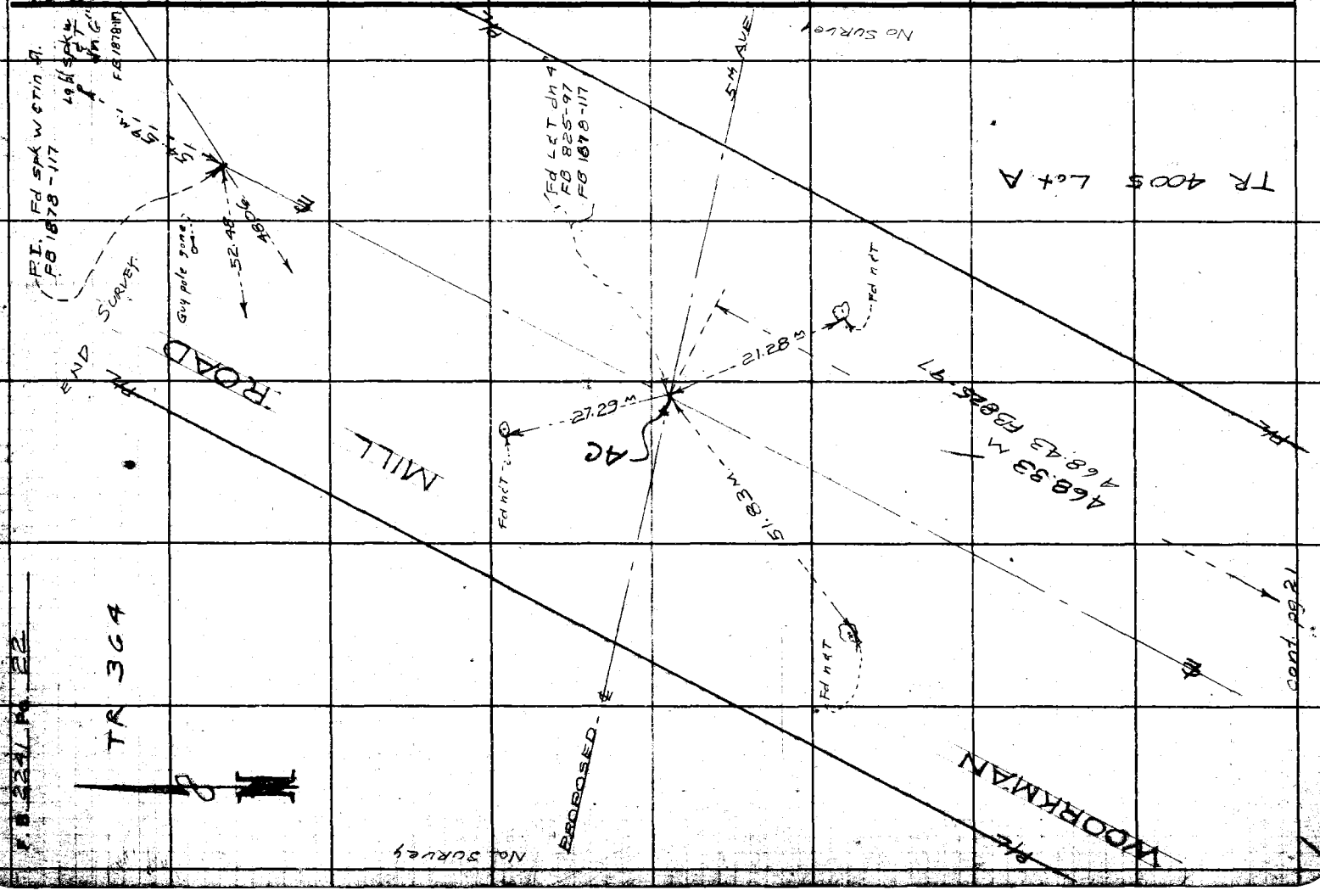
WS. 32-C-3



NOTES RED [illegible] JOB NO. 007526 SURVEY OF LOS ROBLES AVE

DATE [illegible] SURVEY BY J. H. Brown

NOTES CHKD J. F. McMILLAN NOTES BY J. H. B DATE 2-14-57

DATE [illegible] INDEXED ~~E. O. Johnson~~ DATE 2-15-57

F. B. [illegible] Pg. 25

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765420 S & E-333 4-54

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						BENCH LEVELS
						To bring Elevations
						To each end of "P" LINE
						Circuit #1 is on Workman
						Mill Road between BM 11-127 @
						Mission Mill Rd & BM 11-125 near
						Pelissier Dairy.
						Circuit #2 is from BM 38-13
						@ GALE AVE & HACIENDA VIA LOS ROBLES
						AVE to BM 42-4 @ GALE AVE & 7TH ST.
				J. H. Brown - note.		
				K. M. Kapp - Level		
				G. R. Mekino - Rods.		
				C. H. Hill		

768420 S & E-353 4-54

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Do not extend notes this side of this line Circuit # 1

JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE NOTES RED
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 2-14-57 NOTES CHKD
INDEXED C. Johnson DATE DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd B.M. 11-127	234.183				234.183	Fd. C.S. Mon Stamped "BM 11-127
+	6.099		6.013			1952 R.E. 63" per FB 1376-114"
⊼	240.282	+2.153	2.153	2.153		1952 Adj Elev. Workman Mill Rd
−	3.946		3.860			@ Mission Rd.
set T.P. 1	236.336				236.336	Fd. wire spk. in tel. P. #W-2347-Y
+	4.692		4.604			1º above gd.
⊼	241.028	+2.198	2.200	2.199		
−	2.494		2.404			
set T.P. 2	238.534				238.535	WORKMAN MILL RD set sm bt spk 1º above grd.
+	4.653		4.600			Tel. P W-2348-Y
⊼	243.187	+2.728	2.727	2.727		
−	1.925		1.873			
set T.P. 3	241.262				241.262	WORKMAN MILL RD set sm bt spk 0º above grd.
+	6.111		6.041			Tel. P. W-2349-Y
⊼	247.373	+1.309	1.310	1.309		
−	4.802		4.731			
set T.P. 4	242.571				242.571	WORKMAN MILL RD set sm bt spk. w edge E gutter.
+	5.318		5.181			
⊼	247.889	+0.963	0.962	0.962		
−	4.355		4.219			
set T.P. 5	243.534				243.533	WORKMAN MILL RD set bt spk fl. with top cb in
+	5.327		5.161			front of ROSE HILLS Adm. Bldg.
⊼	248.861	+1.323	1.321	1.322		
−	4.004		3.840			
set T.P. 6	244.857				244.855	WORKMAN MILL RD set sm bt spk. in pvmt E side.
+	5.782		5.649	5.599		5 of Entrance to ROSE HILLS
⊼	250.639	+1.931	1.936	1.933 1.934		CEMETARY Adm. Bldg.
−	3.851		3.713	3.665		
set T.P. 7	246.788				246.788	WORKMAN MILL RD set sm bt spk. pvmt. E side.

F.B. 2341 Pg. 26

76S420 S & E-353 4-54

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

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
set T.P. 7	246.788					~~set sm bt spk in pvmt~~ cont from
+	5.852		5.729			Last pg
⊼	252.640	+1.936	-1.935	1.935		
−	3.916		3.794			
set T.P. 8	248.724				248.723	WORKMAN MILL RD. set sq hd spk in pvmt E SIDE
+	5.892		5.736			
⊼	254.616	+1.292	1.294	1.293		
−	4.600		4.442			
set T.P. 9	250.016				250.016	WORKMAN MILL RD set sm bt spk in pvmt E side
+	5.595		5.502			
⊼	255.611	+2.632	2.632	2.632		
−	2.963		2.870			
set T.P. 10	252.648				252.648	WORKMAN MILL RD W. SIDE used top of tree guard sign - E.
+	1.094		0.920			cor' of flat metal.
⊼	253.742	-5.054	5.054	-5.054		
−	6.148		5.974			
set T.P. 11	247.594				247.594	WORKMAN MILL RD set sm bt spk E edge pvmt
+	1.322		1.109			
⊼	248.916	-3.849	3.851	-3.850		
−	5.171		4.960			
set T.B.M 1	243.745				243.744	WORKMAN MILL RD Fd 3/4" I.P. 15" below dirt shoulder
+	3.975		3.848			on ℄ prod. 63.23' SE of sm bt
⊼	247.720	+0.925	0.927	0.926		spk. see pg 16
−	3.050		2.921			
set T.B.M. 2	244.670				244.670	Fd Lg bt spk w ℄ T a P.I of
+	1.018		0.901			WORKMAN MILL RD per pg 16
⊼	245.688	-5.164	5.165	-5.164		
−	6.182		6.066			
set T.B.M 3	239.506				239.506	Fd. Brass cap Mon dn 10" in H.H.
						(cont next pg)

NOTES RED. JOB NO 0075.26 SURVEY OF LOS ROBLES AVE
DATE SURVEY BY J.H. Brown
NOTES CHKD. McMILLAN NOTES BY J.H.B. DATE 2-15-57
DATE INDEXED C. Johnson DATE

F.B. 224 Pg. 27

76S420 E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M. 3	239 506				239.506	(Cont fr. last pg.) on ℄ WORKMAN
+	3 205		3 088			MILL RD. See pg 16
⊼	242 711	-1 390	1 391	-1.390		
—	4 595		4 479			WORKMAN MILL RD
set TBM 4	238 116				238.116	set sm bt spk. in conc hd wall of
+	3 760		3 541			culvert running parallel to Workman
⊼	241 876	-1 170	1 172	-1.171		Mill Rd. (S end). See pg. 17
—	4 930		4 713			
set T.P. 12	236 946				236.945	WORKMAN MILL RD set sm bt spk in pvmt
+	3 468		3 642			
⊼	240 414	-0039	0 039	-0.039		
—	3 507		3 681			
set T.P. 13	236 907				236.906	WORKMAN MILL RD set sm bt spk. guy pole 927007E.
+	3 905		3 676			1ft above ground
⊼	240 812	-0717	0 714	-0.716		
—	4 622		4 390			
set T.BM. 5	236 190				236.190	Fd br. cap. Mon. in H.H. on ℄ WORKMAN
+	5 879		5 685			MILL RD marked "STATE OF CALIF.
⊼	242 069	+4 579	4 582	4.580		DIVISION OF HWYS." dn 10" below "B"
—	1 300		1 103			surface. (See pg. 18)
set T.P. 14	240 769				240.770	Fd L&T in N conc rail of conc bridge
+	1 080		0 925			over San Jose Creek @ WORKMAN MILL RD. See pg. 18
⊼	241 849	-1 390	1 390	-1.390		
—	2 470		2 315			
set T.B.M. 6	239 379				239.380	Fd Lg bt spk w/ a P.I. WORKMAN
+	3 819		3 737			MILL RD. Fl. (See pg. 19) "T"
⊼	243 198	-1 543	1 542	1.542		
—	5 362		5 279			
set T.B.M. 7	237 836				237.838	WORKMAN MILL RD NW SIDE Fd br. cap mon on ℄ prod 52E N of P.I. Marked "STATE OF CALIF (cont next pg)

JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE NOTES RED
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 2-14-57 NOTES CHKD
INDEXED R. C. Johnson DATE DATE

F.B. 2241 Pg. 28

76S420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TBM 7	237.836				237.838	cont from last pg
+	5 509		5 281			DIVISION OF HWYS". dn 10" ft
⊼	243 345	+3 211	3 212	3.211		surf. of pvmt @ P.I. See Pg. 19
−	2 298		2 069			
set T.P. 15	241 047				241.049	WORKMAN MILL RD E side
+	4 692		4 738			set bt spk. in tel. P. # W-2362-Y
⊼	245 739	+4 349	4 350	4.349		0.6 higher than pvmt @ ℄.
−	0 343		0 388			
set TBM 8	245 396				245.398	WORKMAN MILL RD @ S line
+	1 186		1 078			Ro. LA PUENTE. Fd "eye" bt.
⊼	246 582	-3 712	3 712	-3.712		(top one of 3) in conc gate post
−	4 898		4 790			N.W. P/L.
set T.P. 16	241 684				241.686	WORKMAN MILL RD @ S line Ro. LA
+	5 006		4 872			PUENTE. Fd sq. hd. spk. 8.50 ft
⊼	246 690	+0 502	0 503	0.502		S.E ℄ & fl. w. surf. of pvmt.
−	4 504		4 369			shown pg. 20
set T.P. 17	242 186				242.188	WORKMAN MILL RD SE SIDE
+	5 538		5 345			set sm bt spk fl w/ pvmt
⊼	247 724	+2 800	2 802	2.801		
−	2 738		2 543			
set T.P. 18	244 986				244.989	WORKMAN MILL RD E. side
+	3 109		2 978			set sm bt in tel. p. W-8035-Y
⊼	248 095	-2 179	2 181	-2.180		(Elev is 2.0' higher than pvmt at
−	5 288		5 159			a point 7' W. of P.I.)
set T.P. 19	242 807				242.809	
+	4 648		4 497			WORKMAN MILL RD SE SIDE
⊼	247 455	+1 290	1 289	1.289		set sm bt spk fl.
−	3 358		3 208			
set T.BM 9	244 097				244.098	WORKMAN MILL RD E SIDE Fd ct spk & W 2' above ground in Tel. P # W-1090-Y (cont next pg

NOTES RED ____ JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE.
DATE ____ SURVEY BY J.H. Brown
NOTES CHKD. McMILLAN NOTES BY J.H.B. DATE 2-15-57
DATE ____ INDEXED E. C. Johnson DATE ____

F.B. 2240 Pg. 29

768420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TBM 9	244 097					(cont from last pg) point
+	3 689		3508			is 0.6 greater Elev than surf. of pvmt
⊼	247.786	+1.609	1.607	+1.608		@ L&T ℄ ints 5th AVE. & Workman
—	5 298		5115		242.490	Mill Rd.
Fd. BM 11-125	242 488				242.472	WORKMAN MILL RD. 0.15 mi SW
						U.P.R.R. Fd cs. br. Cap. Mon dn 10"
						in H.H. stamped "BM 11-125 1952
						R.E. 63" FB 1376-112
			No adj necessary avg.			

JOB NO. 007526 SURVEY OF LOS ROBLES AVE NOTES RED
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 2-16-57 NOTES CHKD
INDEXED C. Johnson DATE DATE

P.B. 234 PG. 30

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 CIRCUIT # 2

NOTES RED _____ JOB NO. 207526 SURVEY OF Los Robles Ave
DATE _____ SURVEY BY W.H.R. & C.J.
NOTES C.J. & P. McCALLAM NOTES BY W.H.R. DATE 2-19-57
DATE _____ INDEXED _____ DATE _____

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd BM 38-13	331 845				331 845	HACIENDA BLVD & DALE AVE Fd BM 38-13 a Std C & X mon in H.H.
+	6 400		6328			Marked "County Surveyor R.E. 217."
=	338 245	+2370	2371	2.370		92' N ℄ in I/s. PB 1359-19
−	4 030		3957		334.215	
Set T.P. 20	334 215					HACIENDA BLVD
+	5 938		5878			Fd sm bt spk & red tag E side pvmt fl.
=	340 153	+1911	1912	1.911		
−	4 027		3966			
Set T.P 21	336 126				336.126	HACIENDA BLVD Fd sm bt spk & red tag E side pvmt fl.
+	6 275		6202			
=	342 401	+2200	2198	2.199		
−	4 075		4004			
Set T.P. 22	338 326				338.325	HACIENDA BLVD Fd sm bt spk & red tag E side pvmt fl.
+	6 221		6105			
=	344 547	+2356	2355	2.355		
−	3 865		3750			
Set T.P 23	340 682				340.680	HACIENDA BLVD Fd sm bt spk & red tag E side pvmt fl.
+	5 849		5752			
=	346 531	+1996	1995	1.995		
−	3 953		3757			
Set T.P 24	342 678				342.675	HACIENDA BLVD Fd sm bt spk & red tag E side pvmt fl.
+	6 040		5889			
=	348 718	+2450	2449	2.449		
−	3 590		3440			
Set T.P. 25	345 128				345.124	HACIENDA BLVD Fd sm bt spk & red tag E side pvmt fl.
+	6 653		6585			
=	351 781	+2895	2895	2.895		
−	3 758		3690			
Set T.P. 26	348 023				348.019	HACIENDA BLVD Fd sm bt spk & red tag E side pvmt fl.

F.B. 2[illegible] P. [illegible]

76S420 S & E-353 4-54

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Do not extend notes this side of this line

CIRCUIT #2

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. 26	348 023				348.019	HACIENDA BLVD Fd sm. bt spk & red rag E side pvmt fl.
+	6 349		6 259			
⊼	354 372	+2 791	2 789	2.790		
−	3 558		3 470			
T.P. 27	350 814				350.819	
+	5 203		5 154			HACIENDA BLVD fd sm bt spk & red rag E side pvmt fl.
⊼	356 017	+0 771	0 772	0.771	351.580	
−	4 432		4 382			
BM 38-12	351 585				351.566	Fd Std C.S. level Mon with button dn 10" H.H. Stamped "BM 38-12 1954 FB 1359-18 1954 Adj.
Note: Circuit #2 ended because no check.						
Circuit #3. from BM 38-11 to BM 38-12.						
BM 38-11	403 311				403.311	HACIENDA BLVD & PUENTE RD. Fd. C.S. Mon Stamped T RE 2177" FB 1359-17 1954 Adj.
+	3 461		3 343			
⊼	406 772	-4 276	4 277	-4.276		
−	7 737		7 620			
T.P. 28	399 035				399.035	HACIENDA BLVD. Fd sm. bt. spk. & red rag E side pvmt fl. no ref
+	~~2 565~~		2 490	2352		
⊼	401 387 ~~401 600~~	~~-5 004~~ -5 009	5 010	-5.009 5009		
−	~~7 569~~		7 500	7361		
T.P. 29	~~394 031~~ 394 026				394.026	HACIENDA BLVD Fd sm bt spk & red rag E side pvmt fl. no. ref
+	2 345		2 248			
⊼	396 371	-5 190	5 193	-5.192		
−	7 535		7 441			
T.P. 30	388 836				388.834	HACIENDA BLVD Fd sm bt spk & red rag E side pvmt fl. no ref
+	2 502		2 349			
⊼	391 338	-4 923	4 923	-4.923		
−	7 425		7 272			
T.P. 31	383 913				383.911	HACIENDA BLVD fd sm bt spk & red rag E side pvmt fl.

JOB NO. 0075.26 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 2-19-57 NOTES CHKD
INDEXED L. C. Johnson DATE DATE

F.B. 241 Pg. 32

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 CIRCUIT #3
CHECK BET BM 38-11 & BM 38-12

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. 31	383 913					(cont fr last pg)
+	2 428		2 289			
⊼	386 341	-5 120	5 122	-5.121		
−	7 548		7 411			
set T.P. 32	378 793				378.790	Fd sm bt spk & red rag E side
+	~~2 613~~	-5 115	2 542	2 435		Hacienda Blvd. No ref. fl.
⊼	381 228 ~~381 406~~	~~-5 109~~	5 118	-5.115 5 115		
−	~~7 722~~		7 660	7 550		
set T.P. 33	~~373 684~~ 373 678				373.675	Fd sm bt spk & red rag. E side
+	2 739		2 609			Hacienda Blvd. No ref. fl.
⊼	376 417	-4 430	4 432	-4.431		
−	7 169		7 041			
set T.P. 34	369 248				369.244	Fd sm bt spk & red rag. E side
+	2 807		2 659			Hacienda Blvd. No ref. fl.
⊼	372 055	-4 312	4 311	-4.311		
−	7 119		6 970			
set T.P. 35	364 936				364.933	Fd sm bt spk & red rag. E side
+	2 942		2 860			Hacienda Blvd. No ref. fl.
⊼	367 878	-3 917	3 918	-3.917		
−	6 859		6 778			
set T.P. 36	361 019				361.016	Fd sm bt spk & red rag. E side
+	2 870		2 721			Hacienda Blvd. No ref. fl.
⊼	363 889	-4 059	4 059	-4.059		
−	6 929		6 780			
set T.P. 37	356 960				356.957	
+	2 858		2 742			Fd sm bt spk & red rag. E side
⊼	359 818	-4 022	4 025	-4.024		Hacienda Blvd. No ref. fl.
−	6 880		6 767			
set T.P. 38	352 938				352.933	Fd sm bt spk & red rag. E side
						Hacienda Blvd. No ref. fl. (cont next pg.

NOTES RED. JOB NO. 2075.26 SURVEY OF Los Robles Ave
DATE SURVEY BY J. H. Brown
NOTES CHKD. M. MILLAN NOTES BY J. H. B. DATE 2-19-57
DATE INDEXED. C. Johnson DATE

F. B. 2241 Pg. 38

765420 S & E-353 4-54

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JOB NO 20752-26 SURVEY OF Los Robles Ave NOTES RED DATE
SURVEY BY L.H. Brown DATE NOTES CHKD
NOTES BY T.H.B. DATE 2-19-57 DATE
INDEXED E. C. Johnson DATE

F. B. 224 Pg. 34

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. 38	352.938					cont fr. last pg.
+	3.762		3.627			
=	356.700	-1.368	1.365	-1.365		
−	5.130		4.992		351.568	No adj. necessary eng.
Set BM 38-12	351.570				351.566	Fd. std. C.S. level Mon. with button dtd 10" in H.H. Stamped BM 38-12 1954 R.E. 63" FB. 1357-18 1954 Adj. THREE PALMS AVE, 80± W of Hacienda Blvd
+	6.269		6.088			
=	357.839	+2.204	2.205	2.204		
−	4.065		3.883			
Set T.P. 39	353.774				353.772	set sm. bk. spk. S side THREE PALMS AVE. fl.
+	4.621		4.525			
=	358.395	-1.080	1.082	-1.081		
−	5.701		5.607			
Set T.P. 40	352.694				352.691	set sm. bk. spk. S side THREE PALMS AVE fl.
+	4.150		4.048			
=	356.844	-1.368	1.367	-1.367		
−	5.518		5.415			
Set T.P. 41	351.326				351.324	set sm. bk. spk. S side THREE PALMS AVE 5' E of W'ly P/L FARMSTEAD AVE fl.
+	5.165		5.002			
=	356.491	+0.640	0.644	0.642		
−	4.525		4.358			
Set T.P. 42	351.966				351.966	set 1x2 fl.
+	5.332		5.078			
=	357.298	+2.280	2.282	2.281		
−	3.052		2.796			
Set T.P. 43	354.246				354.247	PPH 780438-E sm. bk. spk. up 16" about 100± S THREE PALMS AVE on W side DUNSWELL.
+	4.910		4.977			
=	359.156	+4.610	4.611	4.610		
−	0.300		0.368			
Set T.P. 44	358.856				358.857	Top of 3/4" fence post W of W P/L Dunswell & 200 S of 3 PALMS Ave.

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Do not extend notes this side of this line CIRCUIT #3

NOTES RED. JOB NO. 0275.26 SURVEY OF LOS ROBLES AVE
DATE SURVEY BY W.H. Brown
NOTES C'K'D. McMILLAN NOTES BY W.H.B. DATE 2-19-57
DATE INDEXED C. Johnson DATE

F.B. 2241 Pg. 36

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP 44	358 856				358.857	cont from last pg
+	2 349		2 106			
⊼	361 205	- 0073	0 076	-0.075		
−	2 422		2 182			
Set T.P. 45	358 783				358.782	sm bt spk. in 4x4 fence post (destroyed)
+	5 345		5 247			
⊼	364 128	+2 317	2 318	2.317		
−	3 028		2 927			
Set T.P. 46	361 100				361.099	sm bt spk E side KWIS AVE 50'
+	5 923		5 862			N of SIGMAN AVE
⊼	367 023	+ 1 133	1 134	1.133		
−	4 790		4 728			
Set T.P. 47	362 233				362.232	sm bt spk ■ S side SIGMAN AVE 7'
+	5 284		5 175			E of E P/L ✱15460
⊼	367 517	- 0 013	0 013	-0.013		
−	5 297		5 188			
Set T.P. 48	362 220				362.219	sm bt spk S side SIGMAN AVE -
+	5 005		4 926			5' E of W end house ✱ 15436
⊼	367 225	+ 0 059	0 057	0.058		
−	4 946		4 869			
Set T.P. 49	362 279				362.277	sm bt spk S side SIGMAN AVE
+	4 343		4 767			50' E of W P/L ✱ 15410
⊼	367 127	- 0 600	0 599	-0.599		
−	5 448		5 366			
Set TBM. 10	361 679				361.678	Fd 2" I.P. proj. 8" used highest part
+	8 348		8 278			rim S side. Shown pg 12
⊼	370 027	+5 336	5 336	5.336		& Prod LOS ROBLES AVE.
−	3 012		2 942			
Set T.P. 50	367 015				367.014	sm bt spk up 12 PP ✱ 9405 30-E.
						N side LOS ROBLES AVE.

768410 S & E-353 4-54

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CIRCUIT #3

JOB NO. 0275-26 SURVEY OF Los Robles Ave NOTES RED
SURVEY BY W.H. Brown DATE NOTES CHKD
NOTES BY W.H.B DATE 2-19-57 DATE
INDEXED K.C. Johnson DATE

F.B. 224 Pg. 36

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
set T.P. 50	367 015				367.014	cont fr. last pg
+	3 820		3 763			
⊼	370 835	-1612	1 612	-1.612		
−	5 432		5 375			
set TBM 11	365 403				365.402	LOS ROBLES AVE 55.65' N'ly ℄
+	5 812		5 645			Lt N top conc oil storage tank.
⊼	371 215	+0 249	0 249	0.249		shown pg 12
−	5 563		5 396			
set TP 51	365 652				365.651	Los ROBLES Ave N side set sm bt spk
+	5 685		5 618	4 378		opp driveway No. ± 15356. in
⊼	371 337	+1 065	1 066	1.066		pvmt.
−	4 620		4 552	3 913		
set TP 52	366 717				366.717	Los Robles Ave N side set sm. bt spk
+	5 941		5 838			in pvmt
⊼	372 658	+1 488	1 489	1.488		
−	4 453		4 349			
set TP 53	368 205				368.205	Los Robles Ave N side set sm
+	5 992		5 830			bt spk in pvmt opp pp# 1892406
⊼	374 197	+2 428	2 426	2.427		
−	3 564		3 404			
set T.P. 54	370 633				370.632	Los Robles Ave N side. set sm
+	7 078		6 995			bt spk. fl w/ pvmt.
⊼	377 711	+4 183	4 180	4.181		
−	2 895		2 815			
set T.P. 55	374 816				374.813	Los Robles Ave N side 200'± E
+	7 603		7 550			of TURNBULL CN Rd. Sm bt spk in
⊼	382 419	+3 058	3 058	3.058		pvmt. fl.
−	4 545		4 492			
set TBM 12	377 874				377.871	Los Robles Ave & TURNBULL CN Rd.
						cont next pg.

76S420 S & E-353 4-54

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CIRCUIT # 3

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TBM 12	377 874				377.871	cont frrpg 36
+	6 808		6 769			Fd G.S Mon @ ℄ ints in H.H.
⊼	384 682	+3 036	3 036	3.036		0° below surf. conc. pvmt. see pg 11
−	3 772		3 733			
Set TBM 13	380 910				380.907	LOS ROBLES AVE & TURNBULL CT
+	6 145		6 060			Rd. fd <+T >I S of SE cr.
⊼	387 055	+3 033	3 034	3.033		ref. 47.55 s/g ℄ ints pfr pg 11
−	3 112		3 026			
Set T.P. 56	383 943				383.940	LOS ROBLES Ave 200' ± W of
+	7 192		7 110			TURNBULL CT RD. set sm bt spk
⊼	391 135	+3 850	3 848	3.849		fl pvmt S side
−	3 342		3 262			
Set T.P. 57	387 793				387.789	Los ROBLES Ave S. side set
+	6 852		6 765			sm bt spk fl pvmt
⊼	394 645	+3 502	3 500	3.501		
−	3 350		3 265			
Set T.P. 58	391 295				391.290	Los ROBLES Ave S side set sm
+	7 063		6 999	6 909		bt spk fl in pvmt
⊼	~~398 348~~ 398 204	+4 175	4 191	4.190		
−	~~2 868~~		2 808	2 719		
Set T.P. 59	~~395 480~~ 395 485				395.480	Los ROBLES AVE N side set
+	7 329		7 265			sm bt spk fl. in pvmt
⊼	402 814	+4 639	4 638	4.638		
−	2 690		2 627			
Set T.P. 60	400 124				400.118	Los ROBLES Ave S side set sm
+	7 108		6 987			bt spk fl. in pvmt
⊼	407 232	+4 308	4 308	4 308		
−	2 800		2 679			
Set TBM 14	404 432				404.426	Los ROBLES AVE & 9th St 40'± NE ℄ ints
						Fd L & n SE cor conc weir box up 2°
						cont hex + pg

NOTES RED _____ JOB NO. 2075.26 SURVEY OF LOS ROBLES AVE
DATE _____ SURVEY BY J.H. Brown
NOTES CHKD. McMILLAN NOTES BY J.H.B DATE 2-20-57
DATE _____ INDEXED J. C. Johnson DATE _____

F.B. 2241 PG. 37

765420 S & E-353 4-54

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JOB NO 2025-26 SURVEY OF Los Robles Ave NOTES RED
SURVEY BY W.H. Bloom DATE
NOTES BY W.H.B DATE 2-21-57 NOTES CHKD.
INDEXED A.C. Johnson DATE DATE

F.B. 2241 Pg. 38

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TBM 14	404 432				404.426	cont f. last pg
+	4 969		4 523			
⊼	408 901	-0284	0 286	-0.285		
−	4 753		4 807			C11A.
Set TBM 15	404 148				404.141	Los Robles Ave ± 9th St. ± 1 ft S of C.S Mon 1½ H.N. 12 ft below st. surf
+	8 721		8 580			
⊼	412 869	+5813	5 813	5.813		
−	2 908		2 767			
Set T.P. 61	409 961				409.954	Los Robles Ave 200'± W of 9th St S side set sm bt spk. fl in pvmt.
+	7 660		7 469			
⊼	417 621	+5089	5 087	5.088		
−	2 571		2 402			
Set T.P. 62	415 050				415.042	Los Robles Ave app. drive to No 14919 S side sm bt spk A pvmt
+	6 790		6 528			
⊼	421 840	+3422	3 423	3.422		
−	3 368		3 105			
Set T.P. 63	418 472				418.464	Los Robles Ave 50'± W of pole in drive @ 14906 sm bt spk A pvmt S. side
+	6 915		6 842			
⊼	425 387	+3600	3 598	3.599		
−	3 315		3 244			
Set T.P 64	422 072				422.063	Los Robles Ave S. side set sm bt spk fl. pvmt
+	6 742		6 548			
⊼	428 814	+3714	3 716	3.715		
−	3 028		2 832			
Set T.P. 65	425 786				425.786	Los Robles Ave S. side 55'± E of E end No 14707 set sm bt spk A pvmt S. side
+	6 640		6 496			
⊼	432 426	+2930	2 931	2.930		
−	3 710		3 565			
Set T.P. 66	428 716				428.708	Los Robles Ave S side @ W edge drive to House set sm bt spk fl pvmt cont next pg

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Do not extend notes this side of this line Circuit #3

NOTES RED. JOB NO. 007526 SURVEY OF LOS ROBLES AVE
DATE SURVEY BY W.H. Braun
NOTES CHKD. MacMILLAN NOTES BY W.H.B DATE 2-21-57
DATE INDEXED C. Johnson DATE

F.B. 2241 Pg. 37

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. 66	428 716				428.708	(cont fr last pg)
+	6 125		5987			
⊼	434 841	+ 1 529 ✓	1 529 ✓	1.529		
−	4 596		4 458			
set T P 67	430 245				430.237	Los ROBLES AVE ℄ fd spk ⊼ T
+	5 586		5 406			painted, "⊙10" with white paint (Geodetic
⊼	435 831	+ 1 038 ✓	1 039 ✓	1.038		ch pt ?) fl.
−	4 543		4 367			
set TBM 16	431 283				431.275	Los ROBLES Ave. 30± ft N ℄ . . opp
+	6 498		6 359			No # 14728. sm bk spk & L in top
⊼	437 781	+ 0.784 ✓	0 784 ✓	0.784		conc. weir box (SE cor).
−	5 714		5575			
set T.P. 68	432 067				432.059	Los ROBLES Ave ℄ fd spk & T
+	5 858		5 782			white paint "⊙11" fl. punch.
⊼	437 925	+ 1 597 ✓	1 600 ✓	1.598		(Geod Trav ch. pt ??)
−	4 261		4 182			
set T.P. 69	433 664				433.657	Los ROBLES Ave S. side sm bk.
+	7 121		7 029			spk. fl. punch.
⊼	440 785	+ 4379 ✓	4 379 ✓	4.379		
−	2 742		2 650			
set T.P. 70	438 043				438.036	Los ROBLES Ave S side @ drive
+	6 750		6 639			to House set sm. bk spk. fl. punch.
⊼	444 793	+ 3 71 ✓	3 710 ✓	3.711		
−	3 038		2 929			
set T.P 71	441 755				441.747	Los ROBLES Ave N side 215± ft
+	6 818		6 663			E of 7TH Ave. sm bk spk fl punch.
⊼	448 573	+ 1 47 ✓	1 468 ✓	1.469		
−	5 348		5 195			
set TBM 17	443 225				403.216	Los ROBLES Ave & 7TH Avenue ℄ mts
						Fd C.S. Mon in H.H. 6" below surf. mmt.
						(cont next pg) Puente B-11

765420 S & E-353 4-54

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JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE NOTES RED
SURVEY BY C. H. BLEWETT DATE NOTES CHKD
NOTES BY K.M.K. DATE 2-21-57 DATE
INDEXED C. Johnson DATE

F.B. 2241 Pg. 40

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Set T.B.M. 17	443.225				443.216	See last page
+	5.126		5.038			
⊼	448.351	+ 2.006 ✓	2.006 ✓	2.006		
—	3.120		3.032			
Set T.B.M. 18	445.231				445.222	Set Los Robles Ave. & 7th Ave., N.E. Cor. Bf. Spk. in top of weir box (N.E. Cor.)
+	0.316		0.256			
⊼	445.547	- 7.235 ✓	7.237 ✓	- 7.236		
—	7.551		7.493			
Set T.P. 72	437.996				437.986	Set 7th Ave. (W. side) Bf. Spk. in top of cb.
+	0.380		0.242			
⊼	438.376	- 9.819 ✓	9.820 ✓	- 9.819		
—	10.199		10.062			
Set T.P. 73	428.177				428.167	Set 7th Ave. (W. side) Bf. Spk. in conc. joint of St.
+	1.665		1.578			
⊼	429.842	- 6.222 ✓	6.222 ✓	- 6.222		
—	7.887		7.820			
Set T.P. 74	421.955				421.945	Set 7th Ave. (W. side) Bf. Spk. in top of cb.
+	1.065		1.020			
⊼	423.020	- 7.168 ✓	7.168 ✓	- 7.168		
—	8.233		8.188			
Set T.P. 75	414.787				414.777	Set 7th Ave. (W. side) Bf. Spk. in conc. joint of St.
+	1.775		1.746			
⊼	416.562	- 7.018 ✓	7.016 ✓	- 7.017		
—	8.793		8.762			
Set T.P. 76	407.769				407.760	Set 7th Ave. (W. side) Bf. Spk. in conc. joint of St.
+	2.062		2.022			
⊼	409.831	- 4.767 ✓	4.767 ✓	- 4.767		
—	6.829		6.789			
Set T.P. 77	403.002				402.993	Set 7th Ave. (W. side) Bf. Spk. in top of conc. cb.

765420 S & E-353 4-54

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NOTES RED _____ JOB NO. 0275.26 SURVEY OF Los Angeles Aqueduct
DATE _____ SURVEY BY Z. H. Brown
NOTES CHKD McMILLAN NOTES BY Kim. K. DATE 2-25-57
DATE _____ INDEXED C. J. Spurgeon DATE _____
F.B. 2[illegible] P.B. [illegible]

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Set T.P. 77	403.002				402.993	See last page
+	3.047		2.990			
⊼	406.049	-1.022	1.023	-1.022		
−	4.069		4.013			
Set T.B.M. 19	401.980				401.971	Set Palm Ave. & 7th Ave., N.E. Cor. L & T. in middle of sdk. return
+	0.622		0.507			
⊼	402.602	-8.666	8.664	-8.665		
−	9.288		9.171			
Set T.P. 78	393.314				393.306	Set 7th Ave (W. side) Bt. Spk. in joint of conc. St.
+	1.778		1.740			
⊼	395.092	-6.917	6.919	-6.918		
−	8.695		8.659			
Set T.P. 79	386.397				386.388	Set 7th Ave. (W. Side) Bt. Spk. in joint of conc. St.
+	1.624		1.585			
⊼	388.021	-6.731	6.728	-6.729		
−	8.355		8.313			
Set T.P. 80	379.666				379.659	Set 7th Ave. (W. side) Bt. Spk. in joint of conc. St.
+	1.783		1.738			
⊼	381.449	-6.939	6.937	-6.938		
−	8.722		8.675			
Set T.P. 81	372.727				372.721	Set 7th Ave. (W. Side) Bt. Spk. in joint of conc. St.
+	1.553		1.499			
⊼	374.280	-7.015	7.012	-7.013		
−	8.568		8.511			
Set T.P. 82	365.712				365.708	Set 7th Ave. (W. side) Bt. Spk. in joint of conc. St.
+	1.571		1.526			
⊼	367.283	-4.907	4.909	-4.908		
−	6.478		6.435			
Fd. BM 42-4	360.805				360.800	Fd. BM 42-4. Elev. 360.780 F.B. 1363-180
		No adj. necessary			360.780	Galt Ave. on approx. ℄, 100.2 ± SEly fr. ⊕

Notes Ck'd by J. F. McMILLAN	Survey [illegible] Robles Ave. F. B. 2241 Pg. [illegible]
Map No.	JN 0075.26 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 3-57
Date	Indexed E. C. Johnson 8-15-57

RANCHO LA PUENTE TR. 4005 Lot A

W.S. 37-C3

cont pg 20

SAN-JOSE-CREEK

To R2

dint road in side of hill.

285.52 cac.

R3 — 1707.85 set 1x2 ¢n on line

62.19

① 65.06 @ 17°04'30" (T=78°) = [illegible]
② 65.16 @ 17°22'20" (T=78) = [illegible]
Avg = [illegible]

R4
set 1" I.P. ¢ tg dn 24" on line set 1x2 ¢n fl. over

set (2) ns in fence post (#1 plumb [illegible] near line

Top small knoll.

R-4

80.46

① 80.48 Lev (T=56°) = 80.[illegible]
② 80.47 Lev (T=56°) = [illegible]
Avg = [illegible]

R5 — set 1x2 ¢n on line

1707.68 per C.S. B-839; 1707.02 per TR 2712

296.74
78.22
278.72

278.73

"P" line see [illegible]

281.18-01 = 281.17 @ 7°34' = 278.72
281.01-01 = 281.00 @ 7°16' = 278.74
Avg = 278.73

(P 15B)
1" I.P. ¢ Eng. tg per pg 102

Ascending

6-1-57 Removed

~~① 299.95 @ 8°07' (T=58°) = 296.96~~
~~② 299.70 @ 7°43 (T=58°) = 296.93~~
~~Avg = 296.94~~

62.87

Lot 2 TR 2712

set sq hd. in pump fl. on line

28.41

To R12

RANCH PASO de BARTOLO

31.86 + 12.12 + 18.89 = 62.87 (T=80) @ Lev = 62.87
63.44 @ 80) = 63.44 @ 7° 38' 30" = 62.876
Avg = 62.87

T=80

①	②
28.42	12.34
00.00	16.07
28.42	28.41

Avg = 28.41

cont pg 44 Tap

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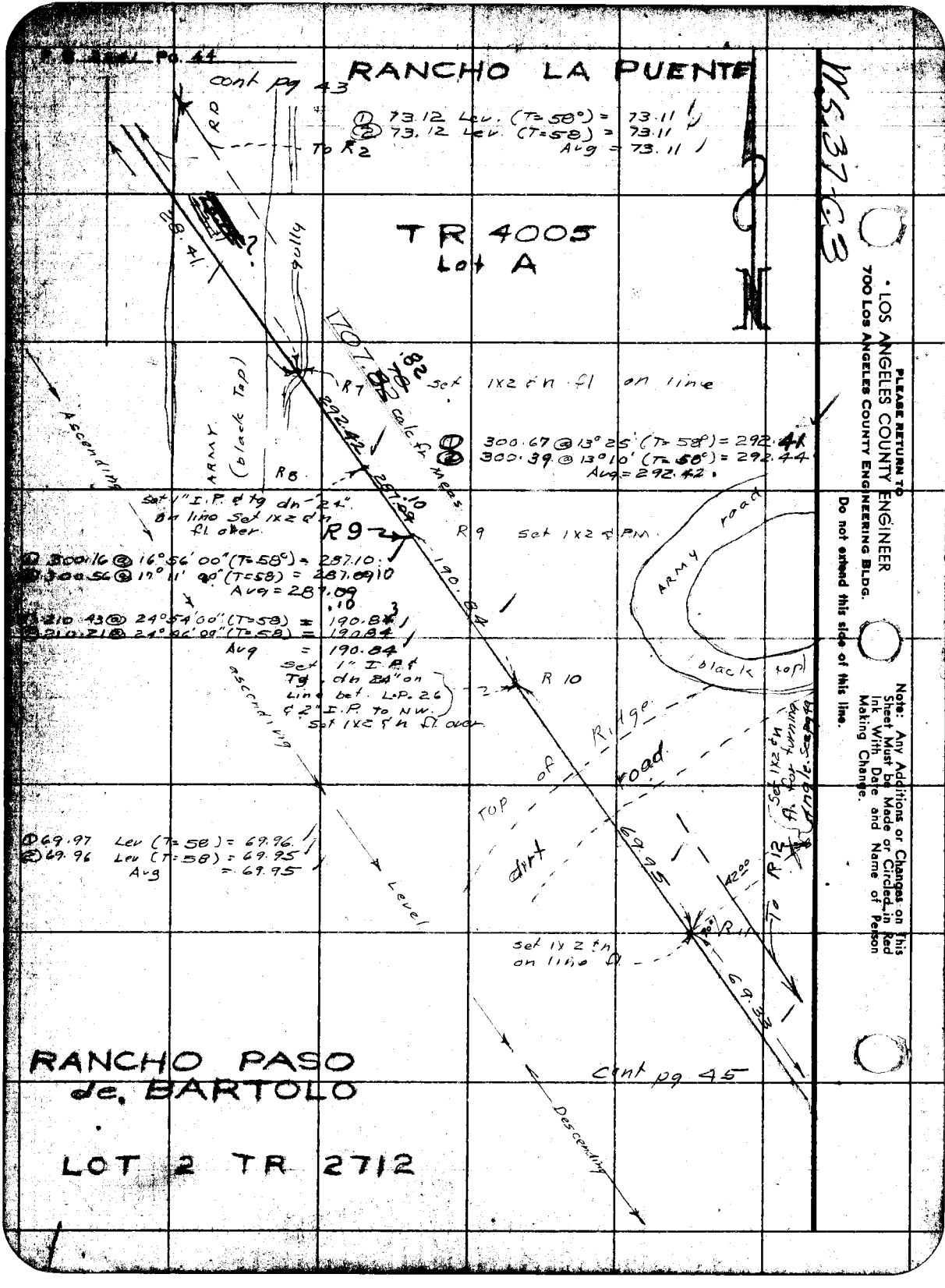

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Notes Ck'd by J. F. McMILLAN
Map No.
Office Work
Checked
Date

Survey of Los Robles Ave F. B. 2247 Pg. 22
JN 00725.26 Tape 101 Std 84 °F
Surveyed by H. B. Power
Notes J.H.B Date 3-57
Indexed K. C. Johnson

WS 37-G3

cont 19+77 To R12

① 75.[illegible] @ 23°21'00" (T=60°) = 69.24
② 75.78 @ 23°53'00" (T=60°) = 69.26
Avg = 69.25
0.08 Lev (T=60°)
69.33

R12 Fd Bottom of 2" I.P. Loose & Leaning. Distance shown at point pipe enters ground.

TR 4005
Lot A

69.33 m. descending

1707.82 (Calc. for Meas.)

0.42 Lev

set n on line

Top of 2" I.P. 5' above ground. C.S.B 823; TR. 2712.

① 299.76 Lev (T=66) = 299.72
② 299.78 Lev (T=66) = 299.74
Avg = 299.73

Level

299.73 m.

Draw

R13 Set 1x2 sn on line on sidehill

1707.82 (Calc. for Meas.)

34.36 m. ascending

R14 Set 1x2 sn fl on line

① 39.58 @ 29°45'00" (T=68) = 34.36
② 39.90 @ 27°57'00" (T=68) = 34.36
③ 39.25 @ 28°54'00" (T=68) = 34.36
Avg = 34.36

Ascend

R15 Set 1x2 sn fl on line

44.32 m.

Level

Small ridge

Top of knoll

Descend

Airtape made by

cont pg 46

1) 44.33 Level (T=64°) = 44.32
2) 44.33 " " = 44.32
Avg. = 44.32

1) 45.00 @ 27°37'20" (T=64°) = 39.92
2) 43.78 @ 24°15'00" " = 39.91
Avg. = 39.91

RANCHO PASO de BARTOLO

LOT 2 TR 2712

FRACT. SEC. 3 T. 2 S. R. 11 W.

285.52 ~~49~~
62.19
60.46
~~246.94~~ 278.73
~~73.11~~ 62.87
292.~~49~~ 28.41
287.~~99~~
190.84
69.95
69.33
1707.82 ~~78~~

Top

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RANCHO LA FUENTE

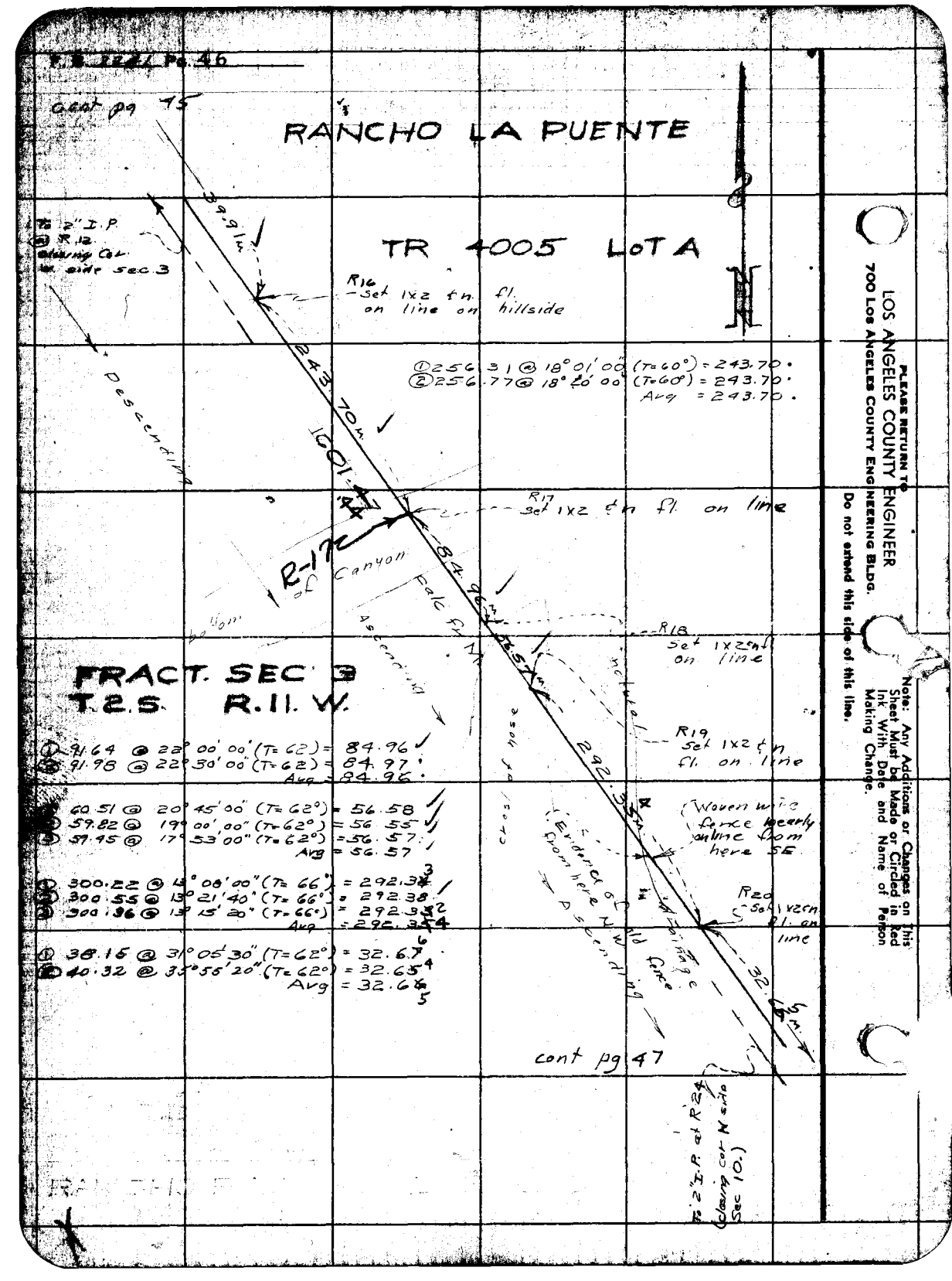
7672088 98E

F.B. 1221 Pg. 46

cont pg 45

RANCHO LA PUENTE

TR 4005 LOT A



① 256.31 @ 18° 01' 00" (T=60°) = 243.70'
② 256.77 @ 18° 40' 00" (T=60°) = 243.70'
Avg = 243.70'

FRACT. SEC. 3 T.2.S. R.11.W.

① 91.64 @ 22° 00' 00" (T=62°) = 84.96
② 91.98 @ 22° 30' 00" (T=62°) = 84.97'
Avg = 84.96'

① 60.51 @ 20° 45' 00" (T=62°) = 56.58
② 59.82 @ 19° 00' 00" (T=62°) = 56.55
③ 59.95 @ 17° 53' 00" (T=62°) = 56.57
Avg = 56.57

① 300.22 @ 4° 08' 00" (T=66°) = 292.38
② 300.55 @ 13° 21' 40" (T=66°) = 292.38
③ 300.36 @ 13° 15' 20" (T=66°) = 292.32
Avg = 292.36

① 38.16 @ 31° 05' 30" (T=62°) = 32.67
② 40.32 @ 35° 56' 20" (T=62°) = 32.65
Avg = 32.66

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

Survey of Los Robles Ave
JN 0075-24 Tape 101 Sta 0+ °F
Surveyed by F.M. Gregory
Notes T.V.R. Date 7-57
Indexed R. C. Johnson

F. B. 2241 Pg 47

299.73
34.56
44.32
39.91
243.70
84.96
56.57
292.35
32.64
85.92
94.69
224.50
59.87
7.92
1601.77
.77

WS 37-63

cont pg 46

Set n. near line

barbed wire fence

32.68 M.

Ascending

Brushy draw.

To R2 @ 2'12.R

closing cor W side Sec 3.

1601.77

woven wire fence nearly on Gain

85.92 M.

RANCHO LA PUENTE TRACT 4005 Lot A

FRAC SEC 3

R21 Set 1x2 ch fl. on line

94.69

2.22

R22 set 1x2 ch fl. on line

(T=60°) Lg St.

① 97.64 @ 14° 04' 00" = 94.78
② 98.05 @ 14° 59 00" = 94.77
③ 97.48 @ 13° 44' 00" = 94.68
Avg = 94.70

94.70 TRACK

.69

① 235.34 @ 17° 25' 00" = 224.51
② 236.21 @ 18 05 00" = 224.50
(T=60) Avg = 224.50

224.50 M.

Ascending

T 2 S. R. 11. W

① 61.92 @ 14° 43' 00" (T=60) = 59.88
② 61.30 @ 12° 21' 40" (T=60) = 59.87
Avg = 59.87

59.87 M.

Ascending

R23 Set 1x2 ch fl. on line

① 7.92 Lev (T=60) = 7.92
② 7.92 Lev (T=60) = 7.92.
Avg = 7.92.

7.92 M.

R24 Fd 2" I.P. upset (dist given to ctr. @ ground) Closing cor. Leaning used ctr at point 1.95 from top.

269.55

FRAC. SEC 10

273.96 @ 10° 16' 00" (T=68) = 269.54.
274.03 @ 10° 20' 00" (T=68) = 269.56.
Avg = 269.55

Ranch Line by occupation

T 2 S. R. 11. W

cont pg 48

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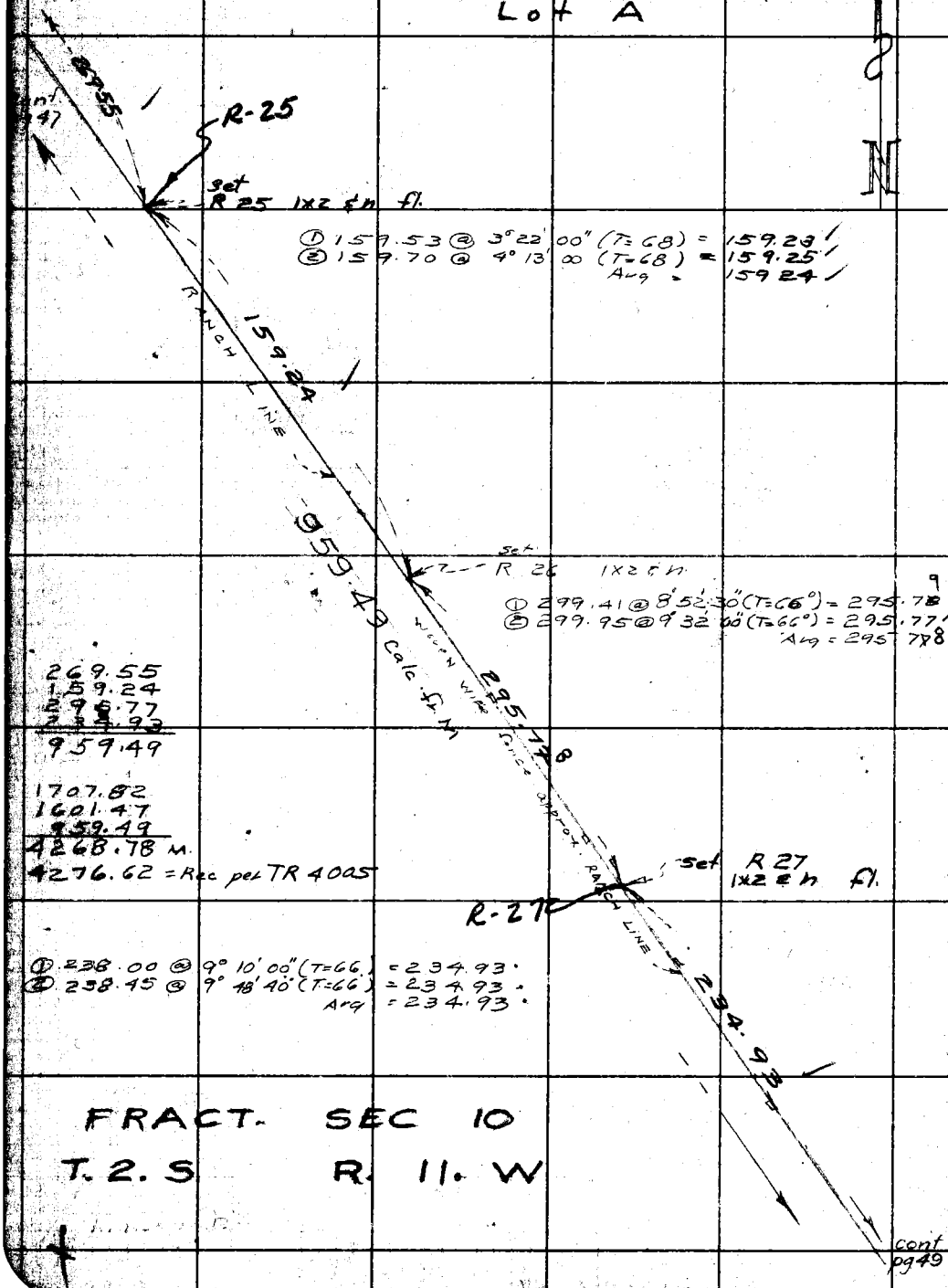
TOPSOBS SEE #841 1-38

RANCHO LA PUENTE
TRACT 4005
Lot A



① 159.53 @ 3°22'00" (T=68) = 159.23
② 159.70 @ 4°13'00 (T=68) = 159.25
Avg = 159.24

① 299.41 @ 8°52'30" (T=66°) = 295.78
② 299.95 @ 9°32'00" (T=66°) = 295.77
Avg = 295.778

269.55
159.24
295.77
234.93
959.49

1707.82
1601.47
959.49
4268.78 M.
4276.62 = Rec per TR 4005

① 238.00 @ 9° 10' 00" (T=66) = 234.93
② 238.45 @ 9° 48' 40" (T=66) = 234.93
Avg = 234.93

FRACT. SEC 10
T. 2. S R. 11. W

cont pg 49

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Map No.
Office Work
Checked
Date

Survey of Lot Packer Area
JN 2075-26 Tape 101 Std 84 °F
Surveyed by T. H. Brewer
Notes T. H. B. Date 3-57
Indexed C. Johnson

F. B. 223' Pg 48

RANCHO LA PUENTE

N 53 37 E 3

Cont. Pg 48

14.2 ch N 42° E from R11 see Pg 44

Set 1x2 ch. on dist. ridge by producing line from SE Cor TR 4005 thru R 30A

① 18° 15' 20"
② 73° 01' 40"
③ 109° 32' 40"
18 15 26 ✓

Knoll

TR. 4005 Lot A

Set R 30 351.84

1x2 ch jnts
① 111.20 @ 1° 21' 20" (T=66) = 111.16'
② 111.30 @ 1° 01' 20" (T=66) = 111.15'
Avg = 111.15'

Set 1x2 ch 42.00 dist from jnt between R28 & R11

Fd stone marked "L P 26" E side per TR 4005 CS B-839 Fd to be on line of angle @ R28 NE of Cor of Lot A

R28A - Set 1x2 ch ff on line @ 90° to R28.

① 57.12 @ 1° 18' 10" (T=66) = 56.00'
② 57.81 @ 14° 19' 20" (T=66) = 56.00'
Avg = 56.00'

Fd 2½" I.P. up 3½' Leaning Southerly used ctr at same Elev as top of stone; 8½' below top of pipe. Marked "L.P 26" on E side. Used for line as shown C.S.B-839 Noted No Record in field as to who set pipe.

Ascending

Woven wire fence approx Ranch Line

Ascending

Ranch Line

Same

Top of pipe

Stone marked "L.P 26"

Section through pipe at Elev of stone

Section thru pipe at ground

35" calc

Ranch Line

Ranch Line by occupation

Ascending

DETAIL

180° 00' 00"
- 18 15 25
161° 44' 35"

(T = 66°)
① 242.10 @ 20° 20' 00" = 226.98'
② 241.36 @ 19° 52' 40" = 226.95'
Avg = 226.96'

1A 34.44 calc Fr. M.

226.96 M

22.13

Set ⅝

cont. pg 50

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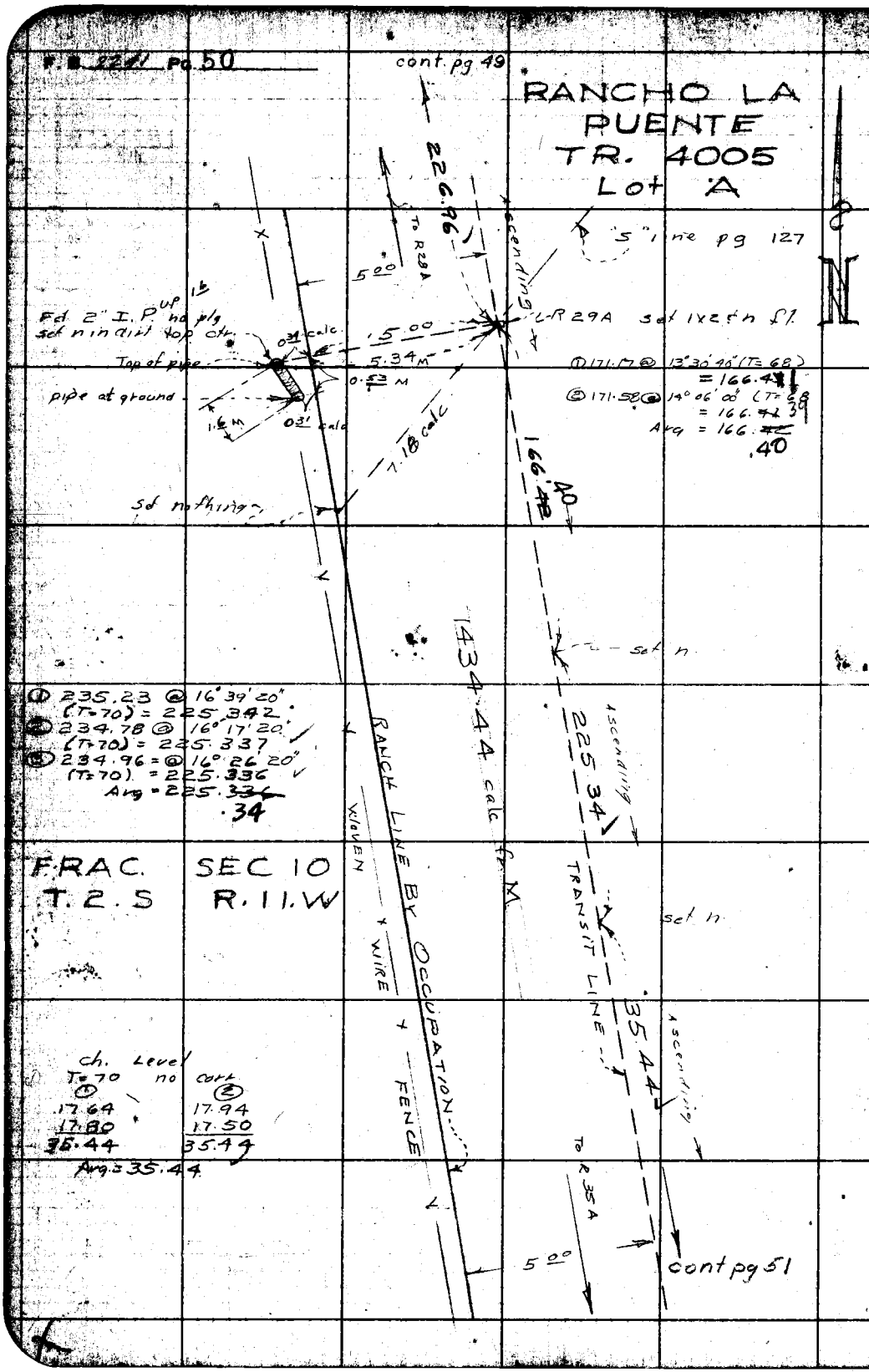
PLEASE RETURN TO

Tapecon see Part 1-56



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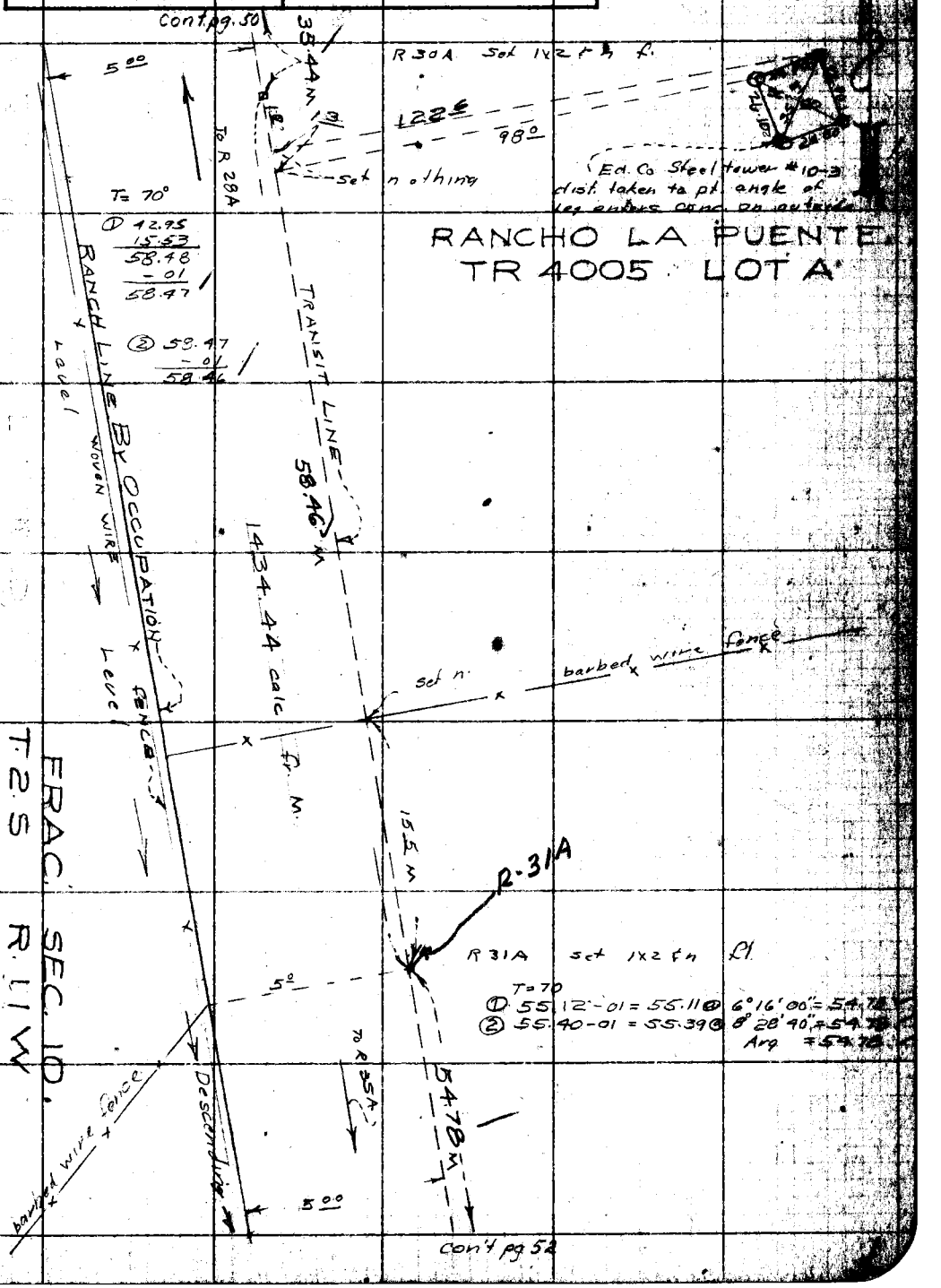
Map No.	JN 0075-26 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 3-57
Date	Indexed K. C. Johnson

F. B. 2241 Pg. 51



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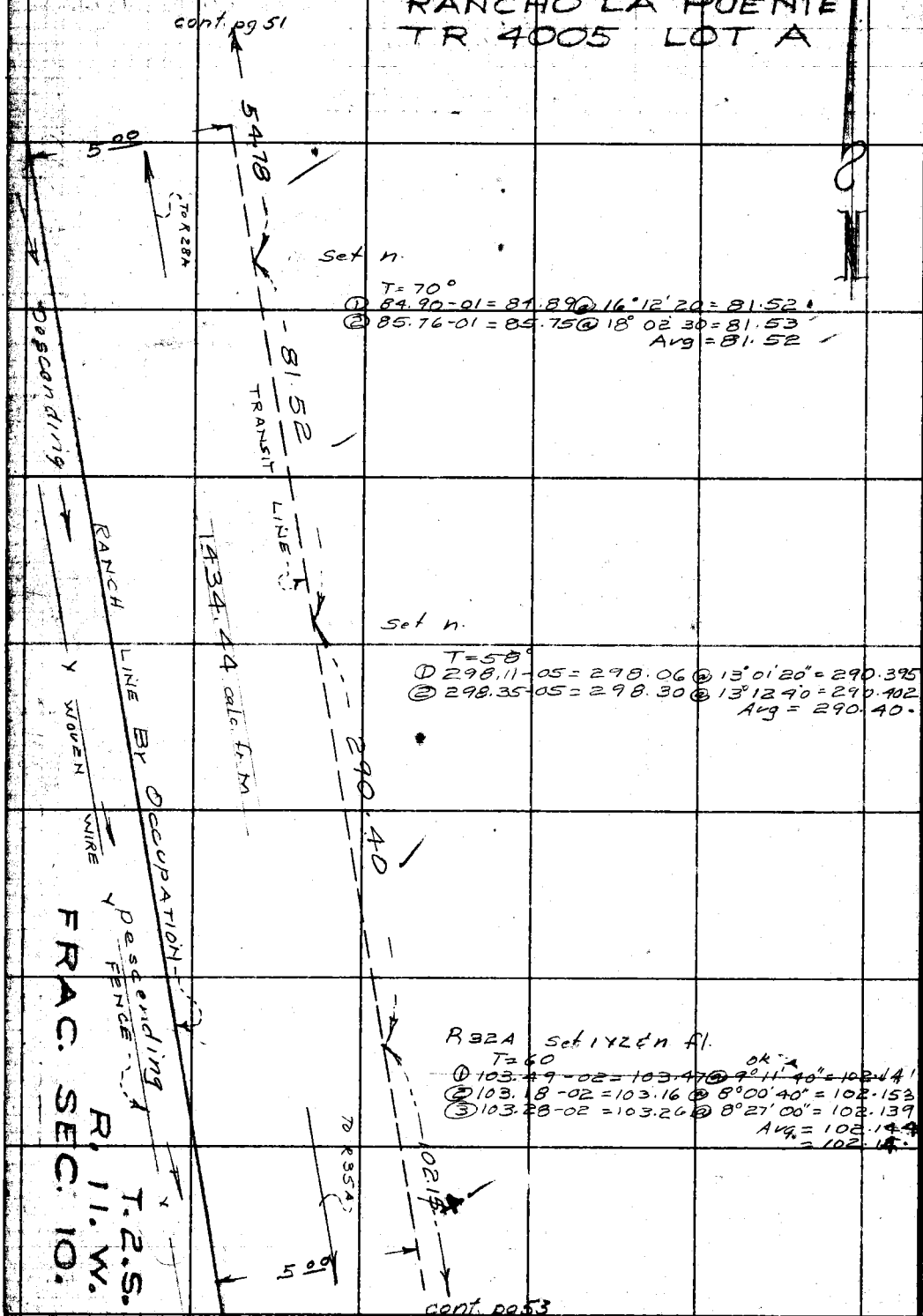
76F309S S&E #247 1-56

RANCHO LA PUENTE
TR 4005 LOT A

cont. pg 51



cont. pg 53

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Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 3-57
Date	Indexed C. Johnson

F. B. 2241 Pg. [illegible]

N.S. 37-C3

Cont. pg. 52

RANCHO LA PUENTE
TRACT 4005 LOT A

N

5 00

To R 28A

102.14 M

R-33A

R 33A set 1x2 in fl.

T=62.
73.56-01 = 73.55
73.55 @ 15° 25' 20" = 70.902
74.25-01 = 74.24
74.24 @ 17° 12' 40" = 70.916
Avg = 70.909
= 70.91

Wovn wire Fence

Ranch Line By Occupation

Descend

70.91 M

TRANSIT LINE

1434.43 calc. fr. M.

R 34A set 1x2 in fl.

T=60°
129.33-02 = 129.31
129.31 @ 19° 16' 00 = 122.068
130.02-02 = 130.00
130.00 @ 20° 08' 30" = 122.050
Avg = 122.059

122.06 M

Rec. per TR. 4005 = 1447.94
Prop. Correction to Meas = + 0.55
1448.49
1434.47 M
14.02

dirt road

R 35A set 1x2 in fl.

T=60

256.87-04 = 256.83
256.83 @ 20° 54' 40" = 239.914
257.53-04 = 257.49
257.49 @ 21° 17' 20" = 239.919
Avg = 239.916
.92

Made thorough search this area fd no evidence of 2" I.P. per TR 4005

Set nothing

14.5

Lot line 3

239.92 M

4215.56 calc. fr. M.

Lot B

5 00

To R52A

FRAC. SEC. 10. T. 2. S. R. 11. W.

cont. pg. 54

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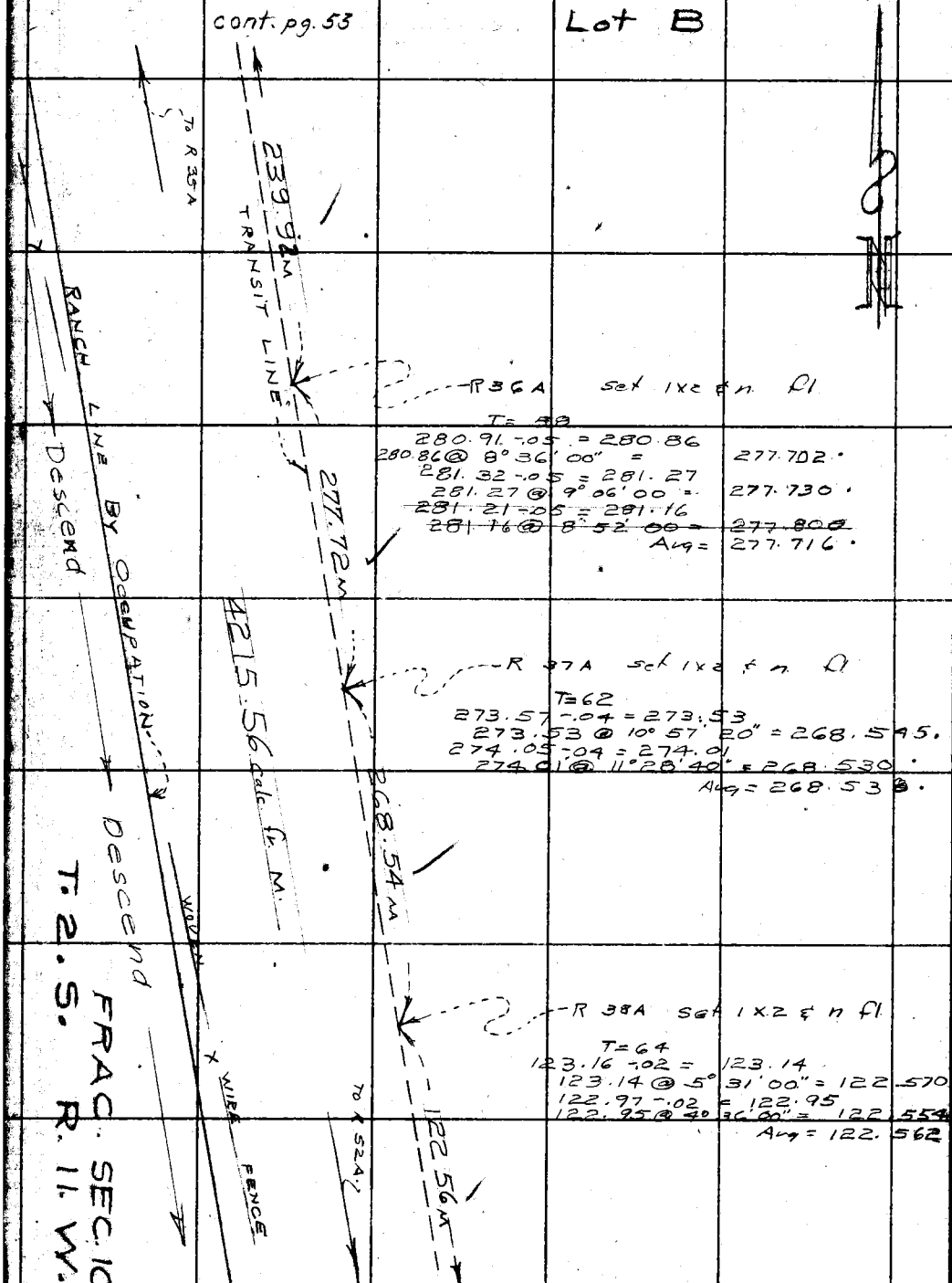
76F3098 S&E #247 1-56

F. B. 2241 Pg. 54

RANCHO LA PUENTE
TR 4005
Lot B

cont. pg. 53



R 36A set 1x2 & n. fl

T= 58
280.91 -.05 = 280.86
280.86 @ 8° 36' 00" = 277.702
281.32 -.05 = 281.27
281.27 @ 9° 06' 00" = 277.730
~~281.21 -.05 = 281.16~~
~~281.16 @ 8° 52' 00" = 277.800~~
Avg = 277.716

R 37A set 1x2 & n. fl

T=62
273.57 -.04 = 273.53
273.53 @ 10° 57' 20" = 268.545
274.05 -.04 = 274.01
274.01 @ 11° 28' 40" = 268.530
Avg = 268.538

R 38A set 1x2 & n fl

T=64
123.16 -.02 = 123.14
123.14 @ 5° 31' 00" = 122.570
122.97 -.02 = 122.95
122.95 @ 4° 36' 00" = 122.554
Avg = 122.562

FRAC. SEC. 10
T. 2. S. R. 11. W.

cont. pg. 55

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Map No.	JN 0075-26 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 3-57
Date	Indexed C. Johnson

F. B. 2241 Pg. 55

cont. pg. 54

RANCHO LA PUENTE
TR 4005

Descend.

To R 35A

122.56

R 39 A set 1x2 ℄n fl
T=68

① 238.18 / 0.50 / 238.68 / -02 / 238.66

② 238.67 / 0.00 / 238.67 / -02 / 238.65

Avg = 238.65

RANCH LINE BY OCCUPATION

TRANSIT LINE

238.65

4215.56 calc fr M

Level

R 40 A set 1x2 ℄n fl

278.42

Level

WOVEN WIRE

R 41 A Set 1x2 ℄n fl

① T=66°

278.46 / 0.00 / 278.46 / -.03 Temp Corr. / 278.43

② 278.07 / 0.38 / 278.45 / -03 / 278.42

Avg = 278.42

T=64
① 181.62 - 02 = 181.60
181.60 @ 16°05'00" = 174.492
2 181.97 - 02 = 181.95
181.95 @ 16°26'00 = 174.517
Avg = 174.504

FRAC. SEC. 10.
T. 2. S R. 11. W.

Ascend

fence

174.50

To R 52A

cont. pg 56

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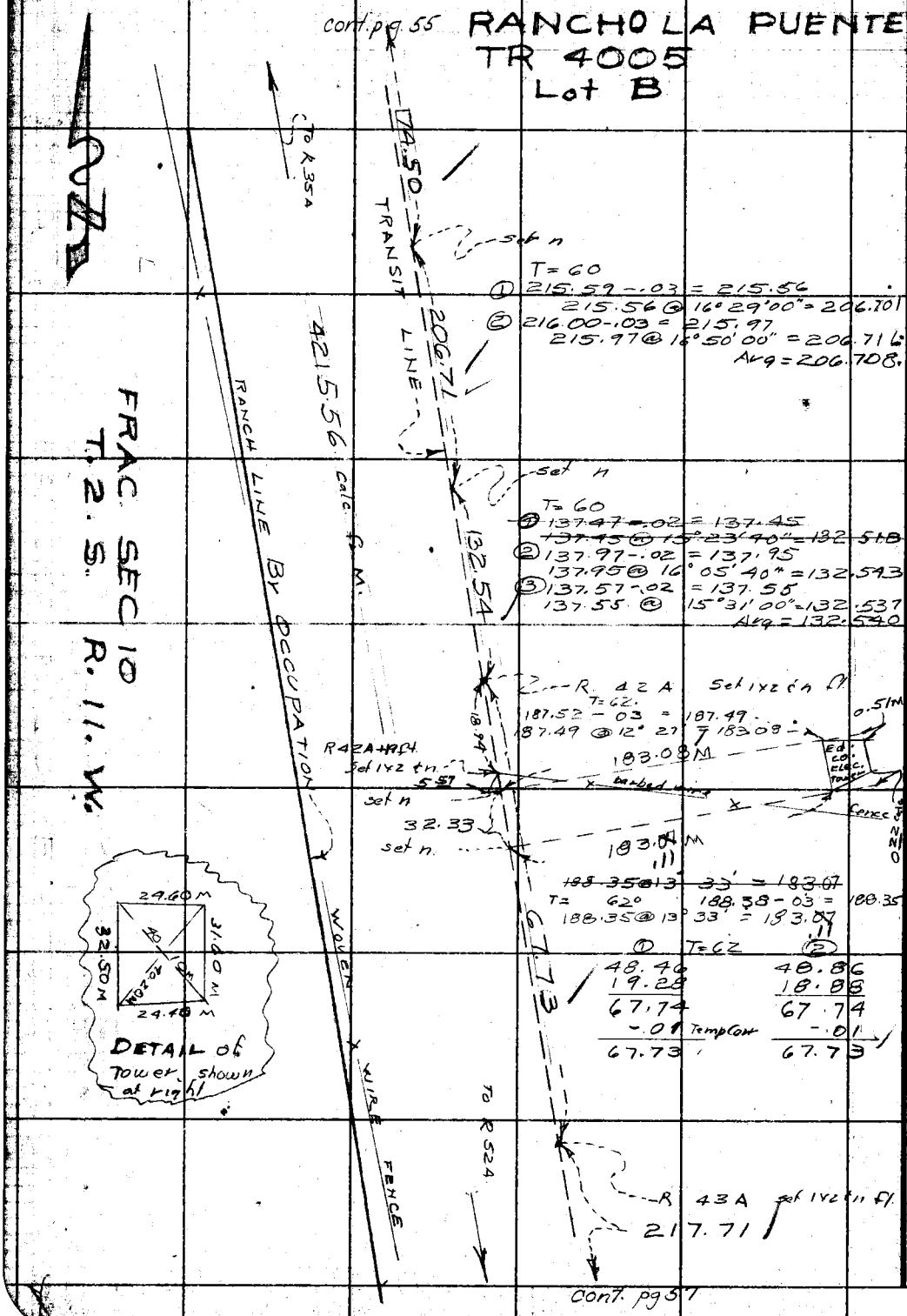
76F3088 S&E #247 1-56

F.B. 2241 Pg. 56

cont. pg. 55

RANCHO LA PUENTE
TR 4005
Lot B



FRAC. SEC 10
T. 2. S. R. 11. W.

set n

T = 60
① 215.59 - .03 = 215.56
215.56 @ 16° 29' 00" = 206.701
② 216.00 - .03 = 215.97
215.97 @ 16° 50' 00" = 206.716
Avg = 206.708.

set n

T = 60
~~① 137.47 - .02 = 137.45~~
~~137.45 @ 15° 23' 40" = 132.518~~
② 137.97 - .02 = 137.95
137.95 @ 16° 05' 40" = 132.543
③ 137.57 - .02 = 137.55
137.55 @ 15° 31' 00" = 132.537
Avg = 132.540

~~188.35 @ 13° 33' = 183.07~~
T = 62°
188.38 - 03 = 188.35
188.35 @ 13° 33' = 183.07

① T=62	②
48.46	48.86
19.28	18.88
67.74	67.74
-.01 Temp Corr	-.01
67.73	67.73

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Cont. pg 57

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Office Work	Surveyed by J. H. Brown
Checked	Notes J-H-B Date 3-57
Date	Indexed A. C. Johnson

F. B. 2241 Pg. 57

cont pg. 56

T=68
~~232.94 - 02 = 232.92~~
~~232.92 @ 20° 50' 40" = 217.675~~
233.63 - 02 = 233.61
233.61 @ 21° 16' 00" = 217.702
233.38 - 02 = 233.36
233.36 @ 21 06 00 = 217.714
Avg = ~~217.708~~ 217.71

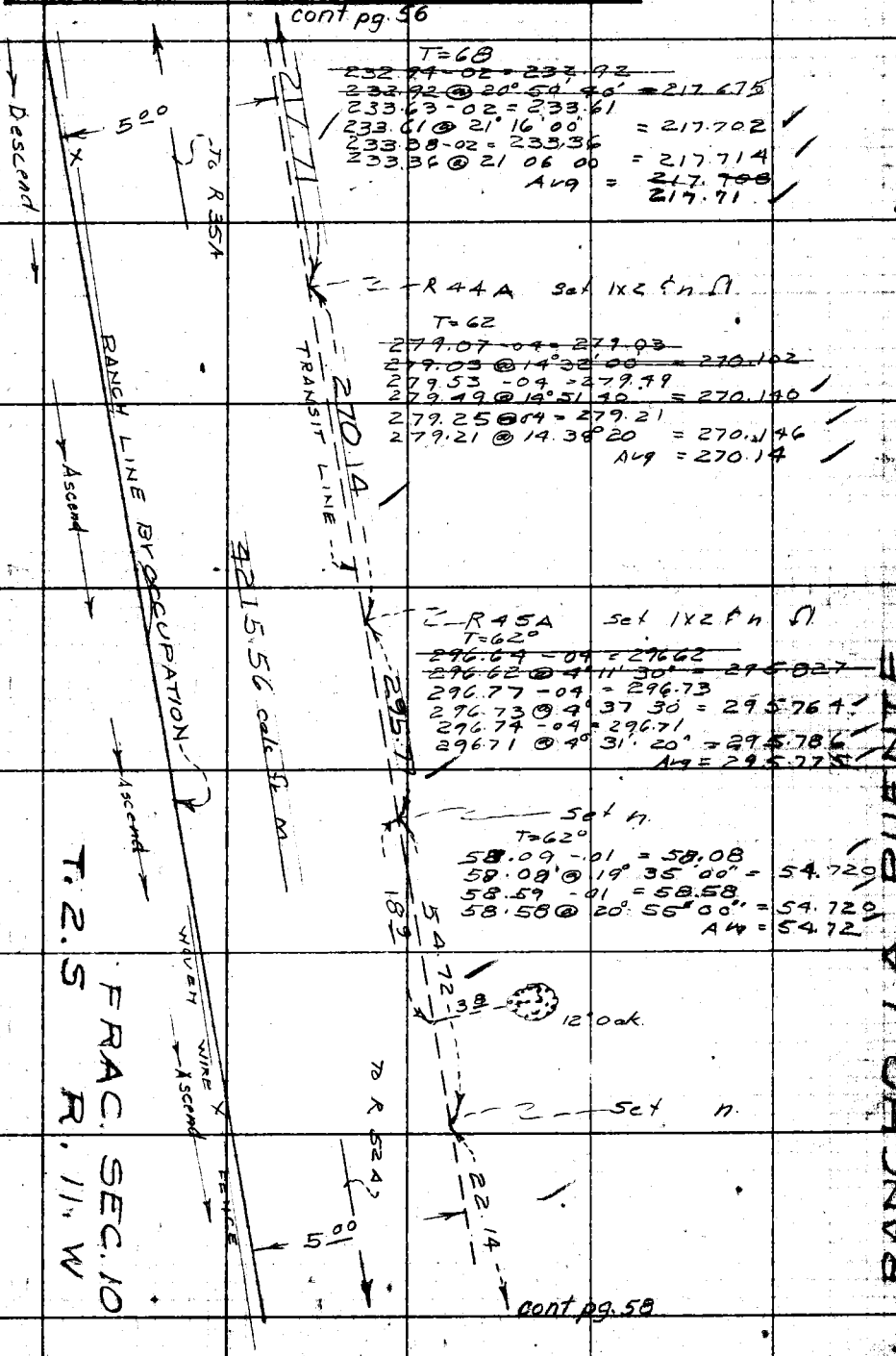
R 44 A set 1x2 & n Ω

T=62
~~279.07 - 04 = 279.03~~
~~279.03 @ 14° 32' 00" = 270.102~~
279.53 - 04 = 279.49
279.49 @ 14° 51 40 = 270.140
279.25 @ 04 = 279.21
279.21 @ 14 38 20 = 270.146
Avg = 270.14

R 45 A set 1x2 & n Ω
T=62°
~~296.64 - 04 = 296.62~~
~~296.62 @ 4° 11' 30" = 295.827~~
296.77 - 04 = 296.73
296.73 @ 4° 37 30 = 295.764
296.74 - 04 = 296.71
296.71 @ 4° 31' 20" = 295.786
Avg = 295.775

Set n.
T=62°
58.09 - .01 = 58.08
58.08 @ 19° 35' 00" = 54.720
58.59 - .01 = 58.58
58.58 @ 20° 55' 00" = 54.720
Avg = 54.72

Set n.



cont pg. 58

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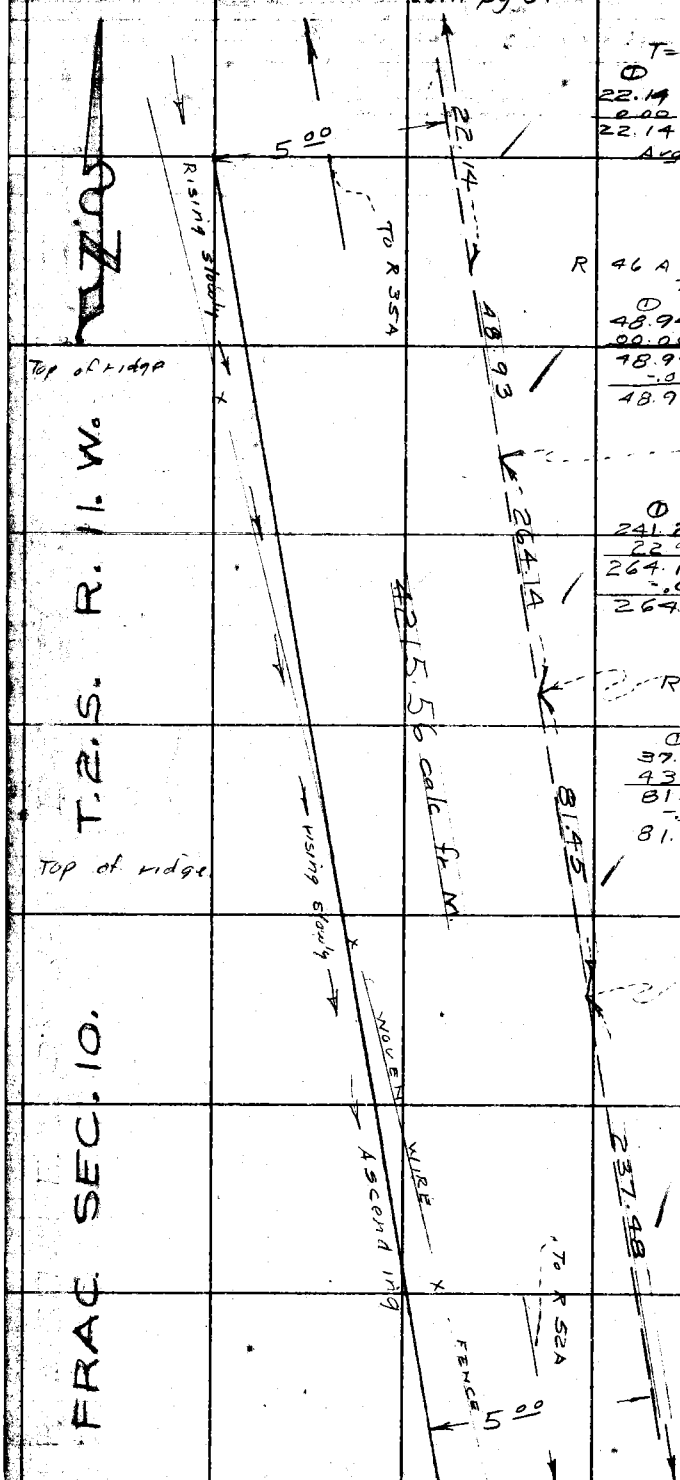
76F3025 S&E #247 1-56

F. B. 2241 Pg. 58

cont pg 57



T = 62 No cor.

①	②
22.14	10.39
0.00	11.76
22.14	22.15

Avg = 22.14

R 46 A set 1x2 in fl.

T = 62

①	②
48.94	30.43
00.00	18.51
48.94	48.94
-.01 Temp. cor	-.01
48.93	48.93

set n

T = 68

①	②
241.27	242.48
22.90	21.70
264.17	264.18
-.03 Temp cor	-.03
264.14	264.15

Avg = 264.14

R. 47 A set 1x2 in fl.

T = 68

①	②
37.54	38.08
43.93	43.38
81.47	81.46
-.01	-.01
81.46	81.45

Avg = 81.45

R 48 A set 1x2 in fl.

T = 68

237.94 - .03 = 237.91

237.91 @ 3° 28' 30" = 237.473

238.11 - .03 = 238.08

238.08 @ 4° 01' 20" = 237.495

Avg = 237.484

cont pg. 59

RANCHO LA PUENTE

TR 4005 Lot B

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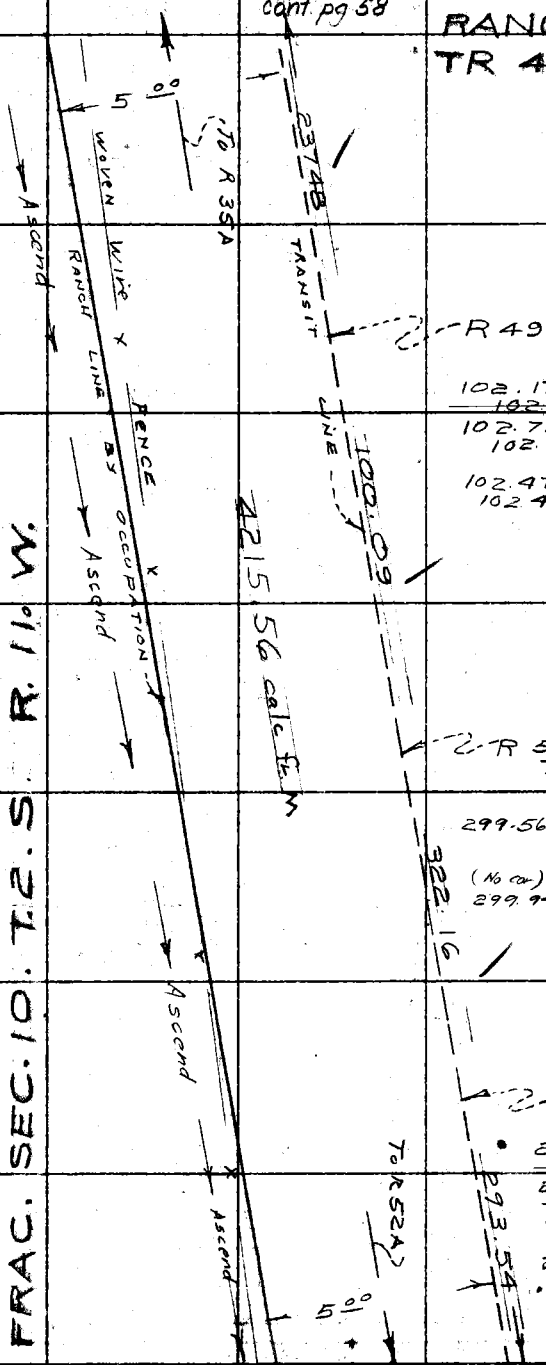
Map No.	JN 007526 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 3-57
Date	Indexed E. C. Johnson

F. B. 2841 Pg. 58

cont. pg 58

RANCHO LA PUENTE
TR 4005 LOT B



R 49 A set 1X2 ¢ n fl

T = 66

102.17 - 01 = 102.16
~~102.16 @ 11° 33' 40" = 100.109~~ 087
102.75 - 01 = 102.74
102.74 @ 13° 00' 00" = 100.~~087~~ 107

102.47 - 01 = 102.46
102.46 @ 12° 21' 00" = 100.089
Avg = 100.09

R 50 A set 1X2 ¢ n fl
T = 66

① Level (No temp. Corr.) 31.87
299.56 - 04 = 299.52 @ 14° 15' 00" = 290.30
322.17

② (No cor) Level 14.28 + 17.60 = 31.88
299.94 - 04 = 299.90 @ 14° 33' 00" = 290.28
322.16
Avg = 322.16

R 51A set 1X2 ¢ n fl

T = 66

297.07 - 03 = 297.04
~~297.04 @ 8° 48' 00" = 293.543~~
297.37 - 03 = 297.34
~~297.34 @ 9° 12' 00" = 293.515~~
297.37 - 03 = 297.34
297.34 @ 9° 10' 20" = 293.538
296.88 - 03 = 296.85
296.85 @ 8° 34' 20" = 293.534
Avg = 293.536

cont. pg. 60

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76F3098 SEE #247 1-56

cont pg. 59

RANCHO LA PUENTE

IR 4005

Lot B

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N 53° 32' E 4215.56 calc ft

TO (R25A

Barbed wire fence

Lot line

rolling

79.38 (T=72°) = 79.32
79.32 @ 14°40'20" = 76.733
79.75 (T=72°) = 79.74
79.74 @ 15°50'00" = 76.715
Avg = 76.72

Lot C

① (T=72)
82.57
73.42 Transpose
105.99 = -01
Avg = 105.98 -01 = 105.97

② 33.52 / 72.45 / 105.97

① T=72 ② 15.06 / 33.51 / 51.57 / Avg = 51.58 no cor

18.54 / 33.05 / 51.59

① T=72 ③ 29.09 / 20.24 / 49.33 / Avg = 49.33 no cor

29.70 / 19.63 / 49.33

Ed. Co. Sheet Tenier 11-2

24.1 / 24.1 / 23.9 / 34°12' / 34°00' / 24.1

Ascend

Ranch line Br occupation

Rec. per TR 4005
41 54.44
Prop Br = +1.65
Rec Meas = 41 56.09
+ 14.02
+ 46.11
4216.22

89.34
-5.47
83.87

105.97 / 23.96 / 76.72 / 51.58 / 53.55

R52A
Set Ikzen

51.90 (T=74) = 51.906
51.90 @ 16°24'20" = 49.784
52.45 (T=74) = 52.454
52.45 @ 18°23'20" = 49.782
Avg = 49.78

dirt 10'

49.786

900.35

SEC. 10
T. 2 S.
R. 11 W
FRAC.

T=68

① 33.30 / 11.45 / 44.75 / 11.21 / 33.54

② 33.57 / 10.73 / 44.30 / 00.304 / 44.604 / 81.30

Ascend

66.504 = Avg

R53A
Set Ikzen

① T=70
38.69
18.11
56.80
Avg = 56.80 -01 = 56.79

② 39.34 / 17.46 / 56.80

33.87

56.79

40

6.40

4.21

Fd 2" I.P proj 2' Set n in ctr of top.

Level

Set n.

R54A Set Ikzen A

294.62 (T=70) = 299.59
@ 9°35'00" = 290.479
294.38 (T=70) = 294.35
@ 9°17'20" = 290.290
Avg = 290.484

299.48

To R58A

① 37° 22' 00"
② 149 27 40
③ 224 11 20
Avg = 37 21 53½

40

5.99

37°

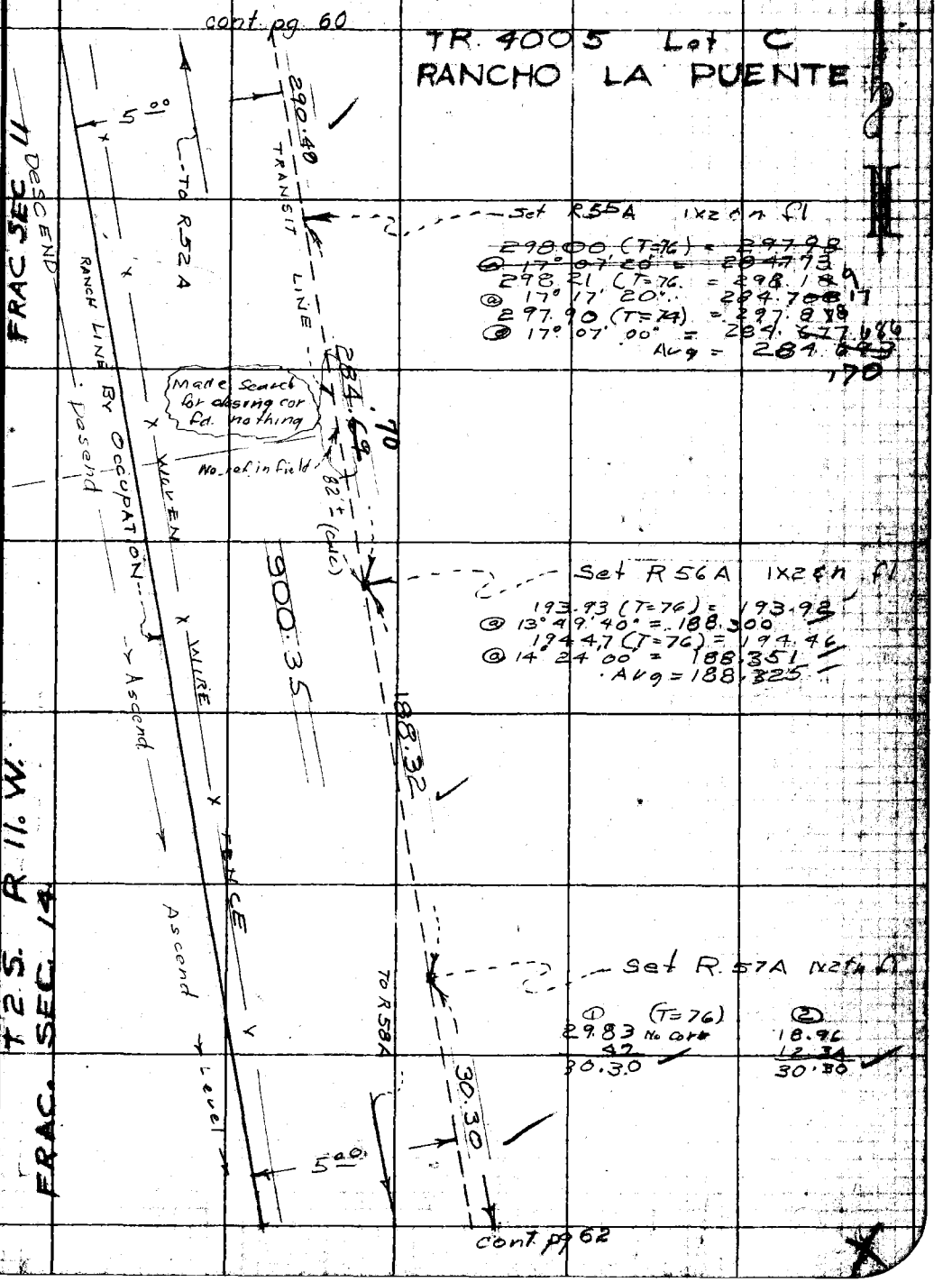
SEC. 11
FRAC.
Fd 1¼" I.P
up. 8" Set n
Ub. ctr. No ref.

Descend

cont pg. 61

Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN0075-26 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 3-57
Date	Indexed J. C. Johnson

F. B. 2241 Pg. 61



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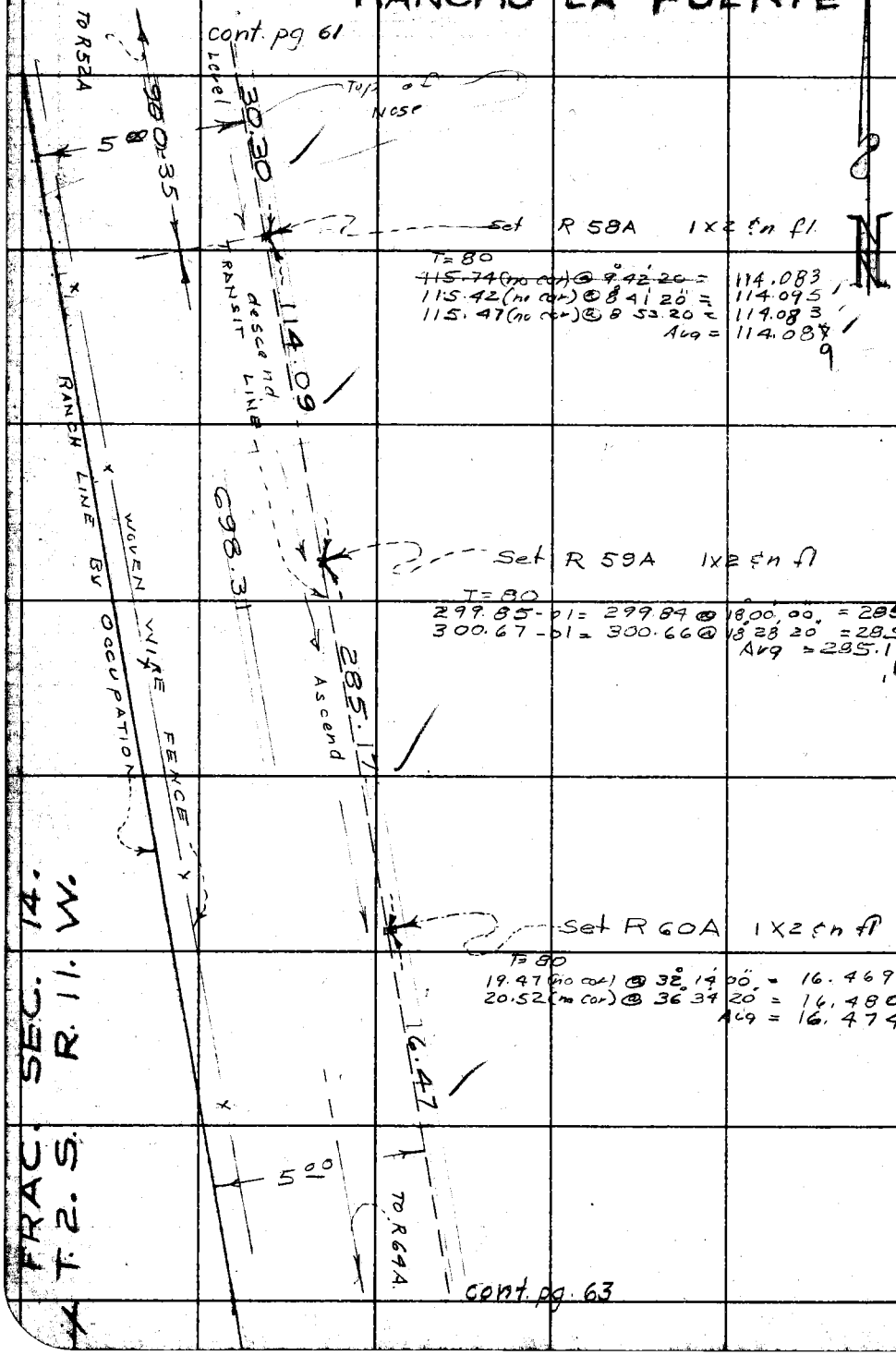
LOS ANGELES COUNTY ENGINEERING DIVISION
700 Los Angeles County Engineering Bldg.

F.B. 2241 Pg. 62

TRACT 4005 Lot C
RANCHO LA PUENTE



FRAC. SEC. 14.
T. 2. S. R. 11. W.

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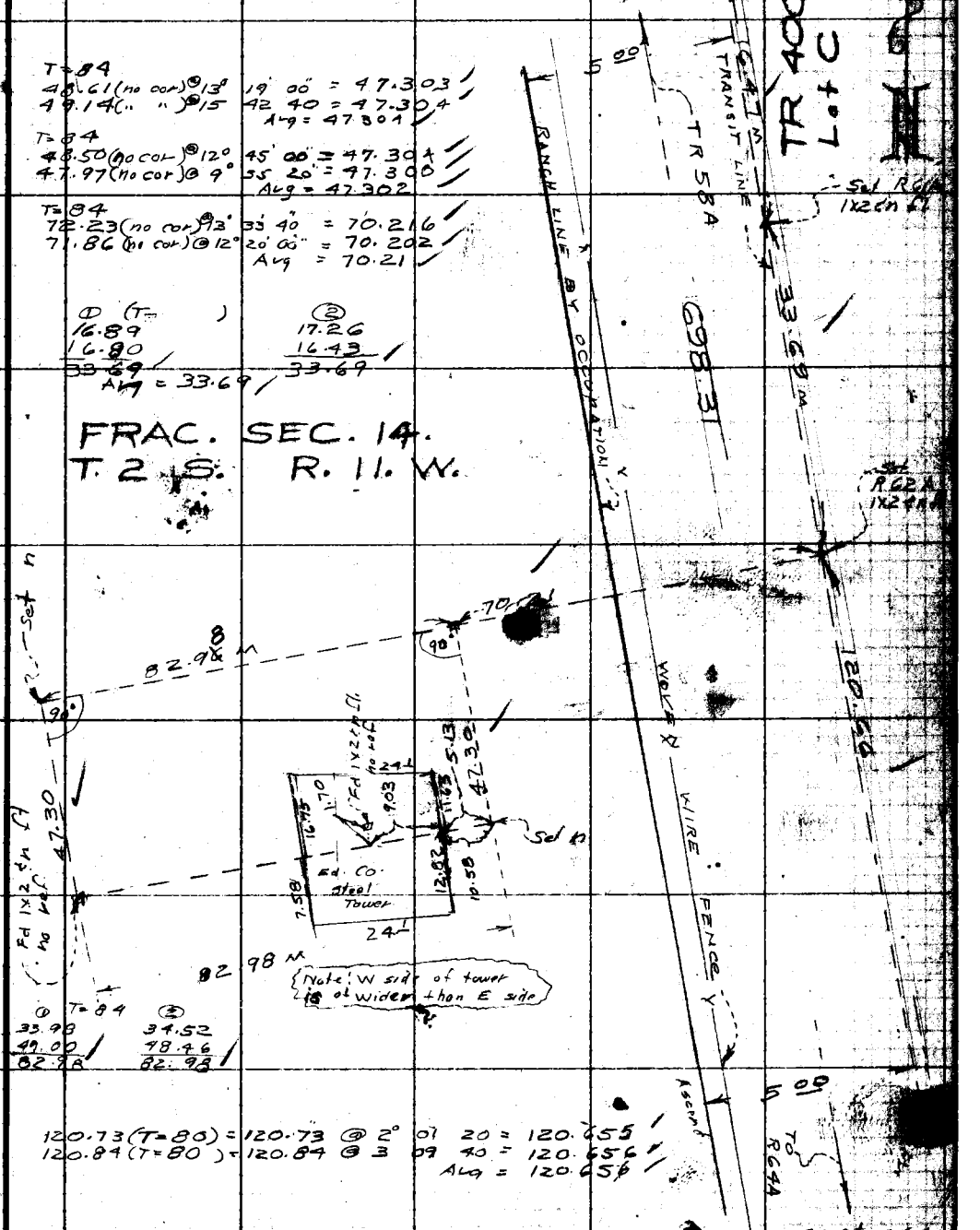
Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN 007526 Tape 101 Std. 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 3-57
Date	Indexed J. C. Johnson

F. B. 2241 Pg. 63

RANCHO LA PUENTE

cont. pg. 62



T=84
48.61 (no cor) @ 13° 19' 00" = 47.303
49.14 (" ") @ 15 42 40 = 47.304
Avg = 47.304

T=84
48.50 (no cor) @ 12° 45' 00" = 47.304
47.97 (no cor) @ 9° 55 20 = 47.300
Avg = 47.302

T=84
72.23 (no cor) @ 13° 33' 40" = 70.216
71.86 (no cor) @ 12° 20' 00" = 70.202
Avg = 70.21

① (T=)	②
16.89	17.26
16.80	16.43
33.69	33.69

Avg = 33.69

FRAC. SEC. 14.
T. 2 S. R. 11. W.

① T=84	②
33.98	34.52
49.00	48.46
82.98	82.98

120.73 (T=80) = 120.73 @ 2° 01 20 = 120.655
120.84 (T=80) = 120.84 @ 3 09 40 = 120.656
Avg = 120.656

cont pg 64

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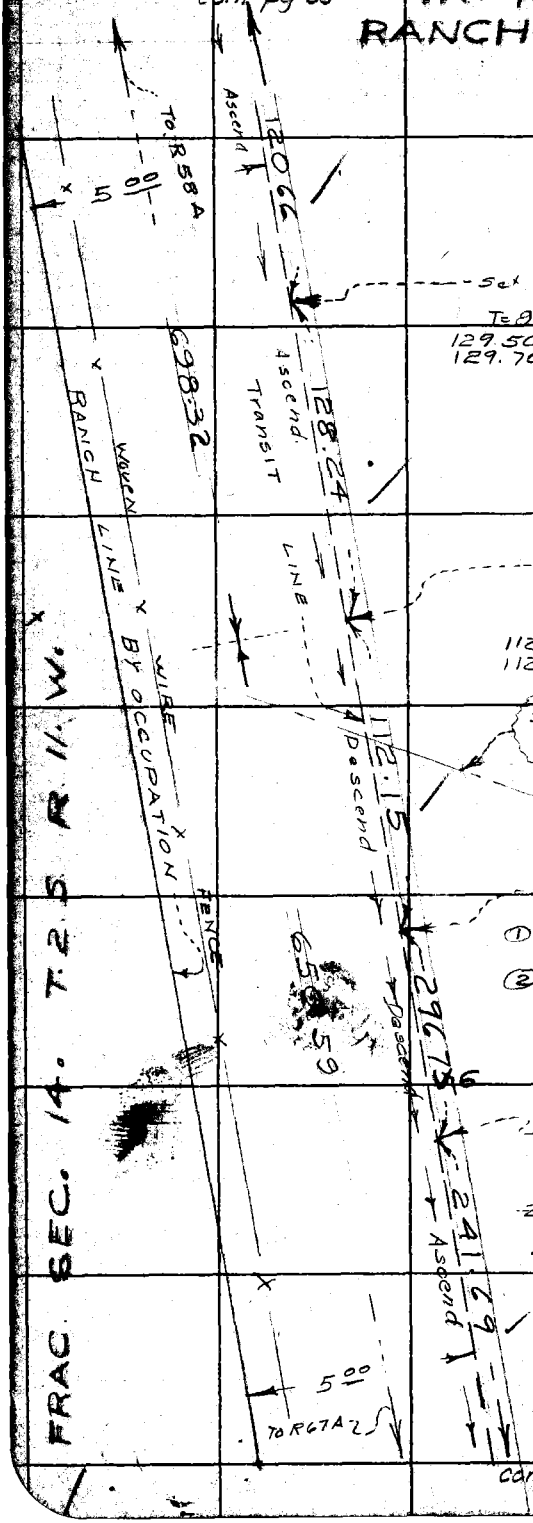
76F3095 S&E #247 1-56

F.B. 2241 Pg. 64

cont pg 63

TR 4005 Lot C
RANCHO LA PUENTE

W.5.37-04



Set R 63A 1x2 & n fl

T=80
129.50 (no cor) @ 8 00 00" = 128.240
129.70 (no cor) @ 8 35 20 = 128.246
Avg = 128.243

Set R 64A 1x2 & n fl
(high part of hill)

T=80
112.85 (no cor) @ 6° 24' 00" = 112.147
112.70 (no cor) @ 5° 37' 00" = 112.159
Avg = 112.153

Skyline Dr per FB 365-63-64
FB 369-70-71
Made thorough search for points
Fd. nothing

Set R 65A 1x2 & n fl

① {296.79 (T=66) = 296.76
{296.76 @ 00 41 00 = 296.74

② 295.50
1.30
296.80
-.03 Temp cor
296.77

③ 296.80
0.00
296.80
-.03
296.77

Avg = 296.75

Set R 66A 1x2 & n fl

~~243.14 (T=66) = 243.11~~
~~243.11 @ 6° 17' 00" = 241.650~~
243.31 (T=66) = 243.28
243.28 @ 6° 33' 40" = 241.687
243.22 (T=66) = 243.19
243.19 @ 6° 22' 40" = 241.685
Avg = 241.686

cont pg. 65

FRAC. SEC. 14. T.2.S. R.11.W.

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Map No.	JN 007526 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 3-57
Date	Indexed E. C. Johnson

F. B. 2241 Pg. [illegible]

cont pg. 64

RANCHO LA PUENTE
TR 4005 Lot C

Set R 67A 1x2 ¢ n fl

225.63 (T=68) = 225.61
225.61 @ 9 35 40 = 222.454
225.36 (T=68) = 225.34
225.34 @ 9 07 40 = 222.486
Avg = 222.470

Fd 2" I.P. (broken) used ctr at bot. of pipe & reset top fl. over. Set n in dirt plg. (Could not find any other points to prove if it is ROST 41A per FB 365-63; FB 369-71-72)

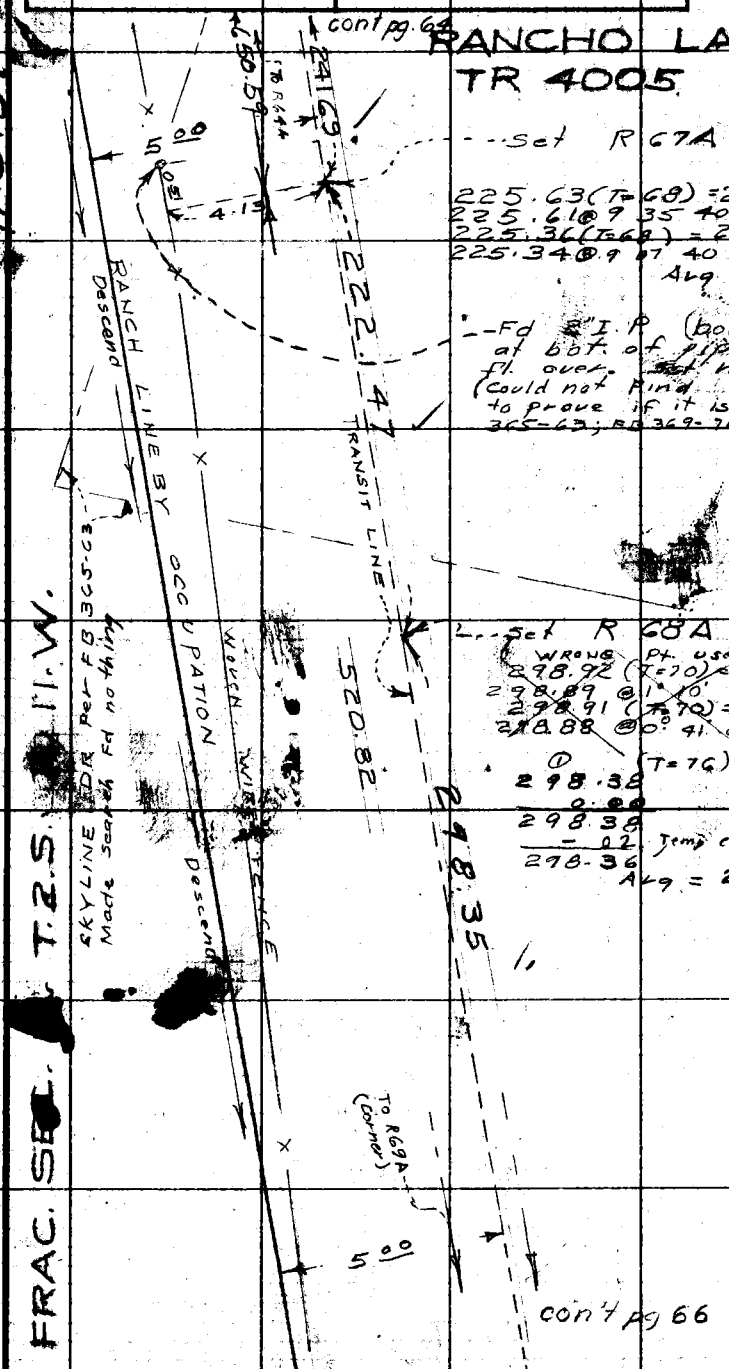
Set R 68A 1x2 ¢ n fl

WRONG Pt. used
298.92 (T=70) = 298.89
298.89 @ 1° 10' 20" = 298.857
298.91 (T=70) = 298.88
298.88 @ 0° 41' 00" = 298.821

(T=76)

①	②
298.38	297.93
0.00	0.44
298.38	298.37
− .02 Temp cor	− .02
298.36	298.35

Avg = 298.35



con't pg 66

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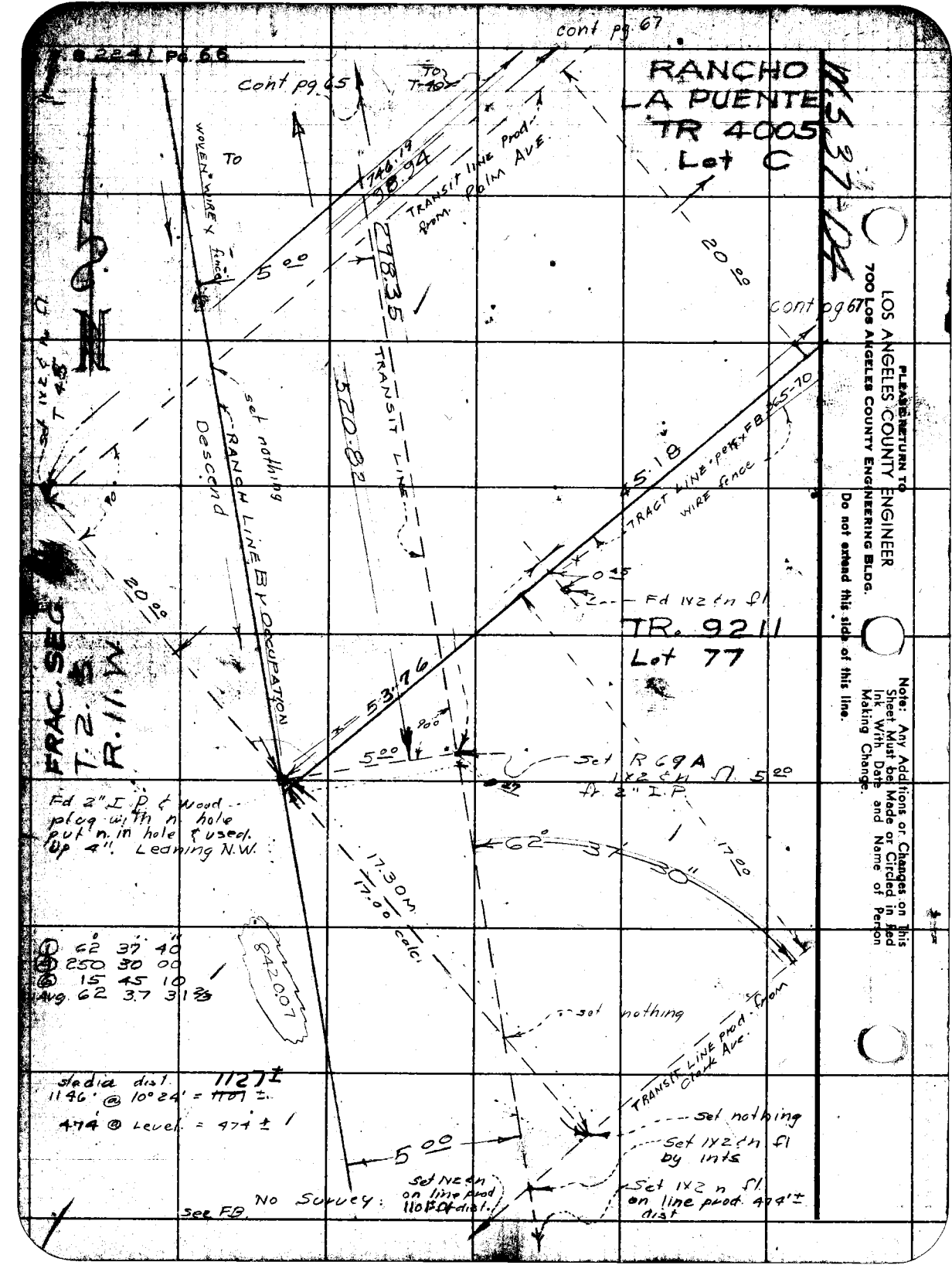

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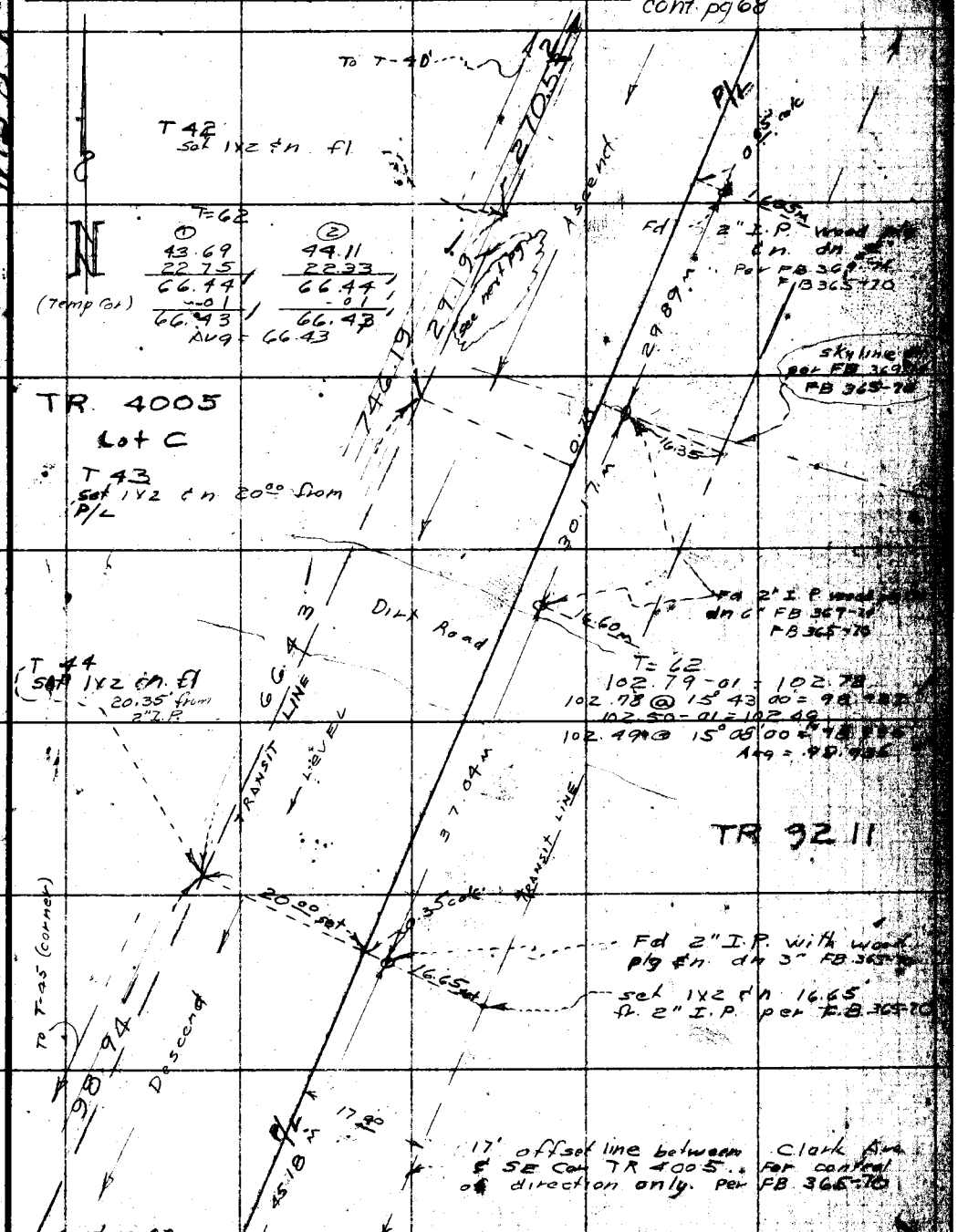
Date	Indexed A. C. Johnson

F. B. 224 Pg. 67

W.537-04

cont. pg 68



cont pg 66

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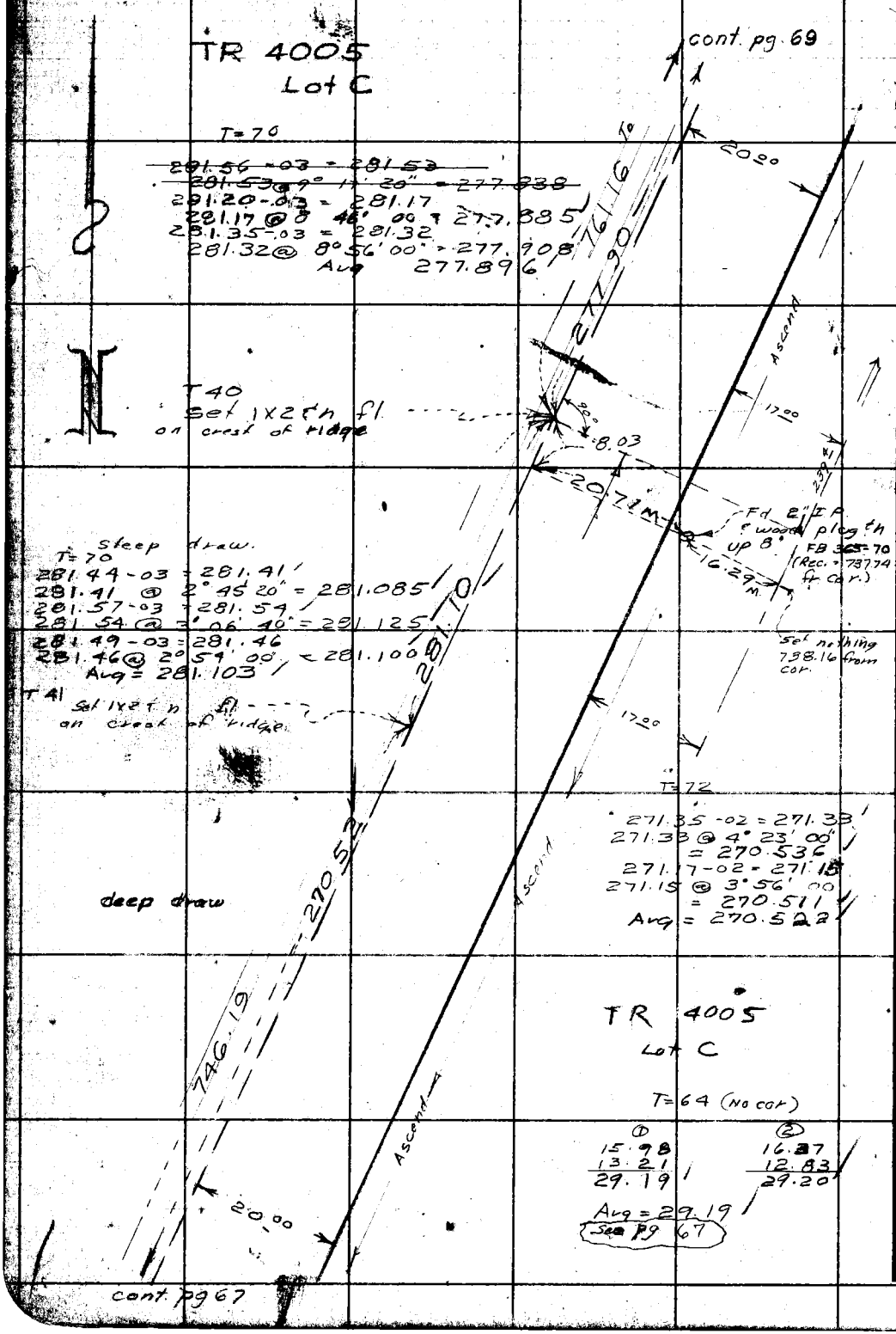

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W.S. 37-D4

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Date	Indexed C. Johnson

F. B. 2241 Pg. 65

cont pg. 70

T=82
131.16 - 02 = 131.14
131.14 @ 11° 38' 00" = 128.446
131.58 - 02 = 131.56
131.56 @ 12° 31' 00" = 128.432
Avg = 128.439

To T 34

20 00

17 00

128.44

TR 4005
Lot C

N

Set T 38
1½ ± in fl.

T=62
80.40 - 01 = 80.39
80.39 @ 8° 24' 00" = 79.528
81.02 - 01 = 81.01
81.01 @ 10° 53' 20" = 79.551
80.79 - 01 = 80.78
80.78 @ 10° 02' 00" = 79.545
Avg = 79.541

121.16
79.54

T 39
Set 1½ ± in fl

To T-40

277.90

TRANSIT LINE

TRACT LINE

Transit Line

TR 4005
Lot C

Wiggle pt.
Set 1½ ± in.

20 00

17 00

239.4

cont pg 68

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787-3068 SAE #247 1-56

T=62
81.81 - 01 = 81.80
81.80 @ 28° 12' 40" = 72.083
82.68 - 01 = 82.67
82.67 @ 29° 20' 40" = 72.062
Avg = 72.052

TR 4005 Lot C

cont. pg. 71

To T34

20.00

.80
161.19

T35
set 1x2 th fl.

761.16
72.05

T36
set 1x2 th fl.

T=62
43.19-01=43.18 @ 16° 20' 20" = 41.436
43.82-01=43.81 @ 18° 56' 40" = 41.437
Avg = 41.436

41.44
TRANSIT LINE

T37 set 1x2 th fl.

TRACT LINE

17' off set transit line of sight to clark ave

TR 4005 Lot C

20.00

To T40

128.44

cont. pg 69

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Date	Indexed A. C. Johnson

F. B. 2241 PG. 71

cont. pg 72

TR 4005 Lot C

TO T 27

147.67 M

20 00

Ascend

T 32 Set 1x2 & n fl

T=62

①	②
34.07	34.60
53.26	52.72
87.33	87.32
-.01 (Temp Cor)	.01
87.32	87.31

Avg = 87.31

908.23

87.31 M

Level

T 33 Set 1x2 & n fl

T=58

227.94 - 04 = 227.90
227.90 @ 3 27 00 = 227.487
227.85 - 04 = 227.81
227.81 @ 2° 51' 40" = 227.526
227.87 (T=60) - 04 = 227.83
227.83 @ 3 03 40 = 227.595
Avg = 227.506

227.51 M

Descend

of sight to CLARK AVE

T 34 Set 1x2 & n fl

T=60

173.17 - 03 = 173.14
173.14 @ 20° 51' 40" = 161.790
173.97 - 03 = 173.94
173.94 @ 21° 32' 00" = 161.800
Avg = 161.795

TRANSIT LINE

TRACT LINE

Ascend

TRANSIT LINE

TO T 40

761.16

161.80

20 00

TR 4005
Lot C

cont. pg 70

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76F3098 S&E #247 1-56

F.B. 2241 Pg. 72

TRACT 4005
Lot C

cont. pg 73

40" oak

N

T29
Set 1x2 & n fl.

T=72
131.73 - 01 = 131.72
131.72 @ 18° 06' 00" = 125.202
132.17 - 01 = 132.16
132.16 @ 18 38 40 = 125.224
Avg = 125.213

T.30
Set 1x2 & n fl

T=58
176.80 - 03 = 176.77
176.77 @ 22 15 40 = 163.595
~~177.18 - 03 = 177.09~~
~~177.09 @ 22 34 20 = 163.594~~
176.60 - 03 = 176.57
176.57 @ 22 06 00 = 163.597
Avg = 163.596

T31
Set 1x2 & n fl.

T=58
154.14 - 03 = 154.11
154.11 @ 16° 37' 20" = 147.670
154.52 - 03 = 154.49
154.49 @ 17° 05' 00" = 147.674
Avg = 147.672

51.08
21±
22±
125.21
163.60
908.23
147.67
20.00
Ascend
Ascend
Ascend
Ascend

TR. 4005
Lot C

cont pg. 71

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Date	Indexed A. C. Johnson

F. B. 2241 PG. 73

cont. pg. 74

TRACT 4005
Lot C

T25
set 1x2 tn fl. (top steep slide)

T=80
193.54 - 01 = 193.53
193.53 @ 30° 48' 40" = 166.215
192.45 - 01 = 192.44
192.44 @ 30° 16' 20" = 166.208
Avg = 166.212

T26
set 1x2 & n fl
(crest small steep ridge)

T=72
~~108.40 - 01 = 108.39~~
~~108.39 @ 30° 40' 40"~~
~~= 93.220~~
109.94 - 01 = 109.93
109.93 @ 31° 56' 30"
= 93.285
109.07 - 01 = 109.06
109.06 @ 31° 13' 00"
= 93.271
Avg = 93.278

T27
set 1x2 & n fl
(bot of hill)

Twin oak
44"
32"

T=72
105.35 | 105.86
0.52 | 0.00
105.87 | 105.86
- .01 Temp Cor | - .01
105.86 | 105.85
Avg = 105.85

T28
set 1x2 & n fl.

T=70 (no cor)
53.48 @ 17 15 00 = 51.075
53.90 @ 18 37 00 = 51.080
Avg = 51.078

TRACT 4005
Lot C

cont pg. 72

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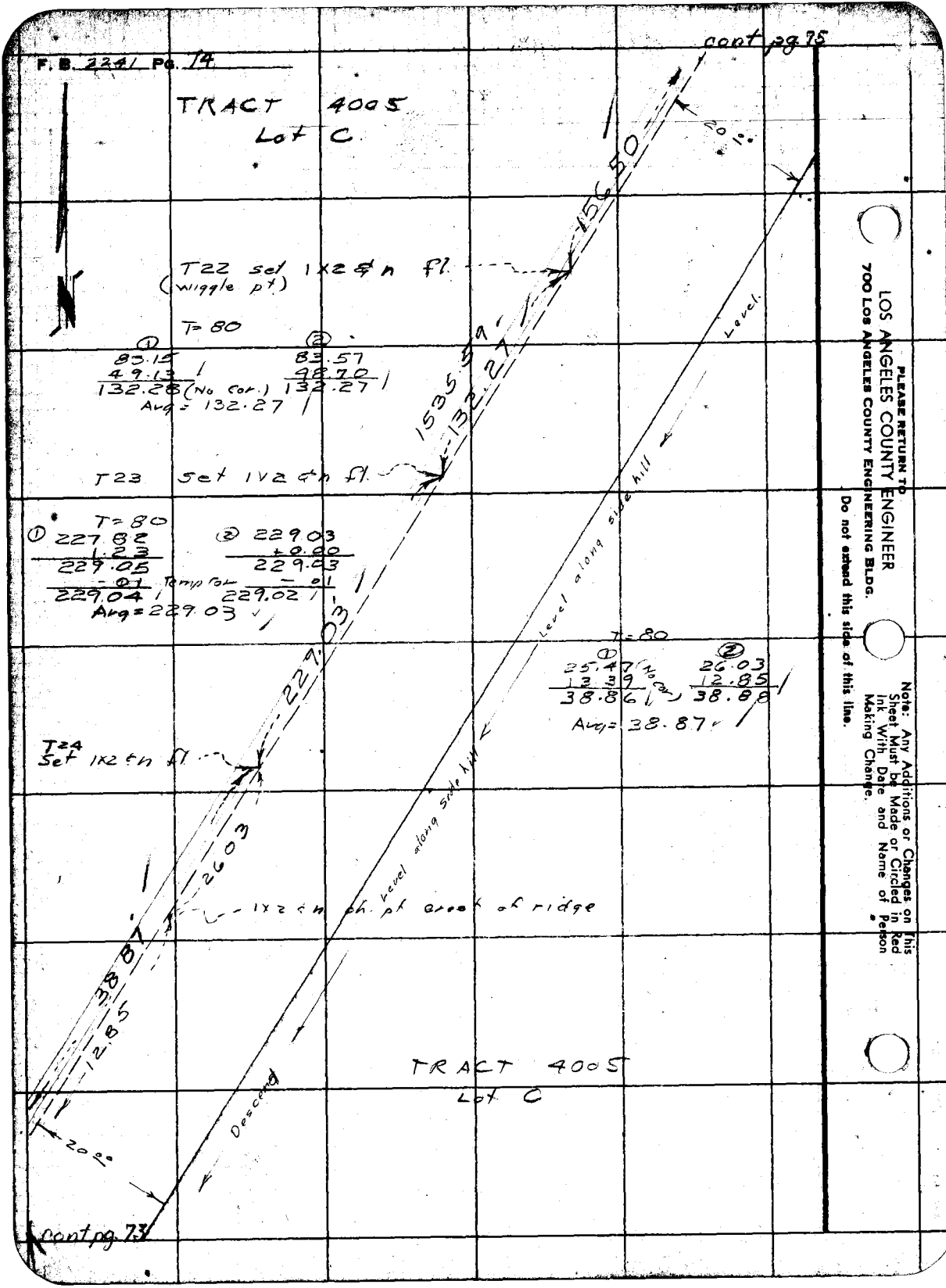

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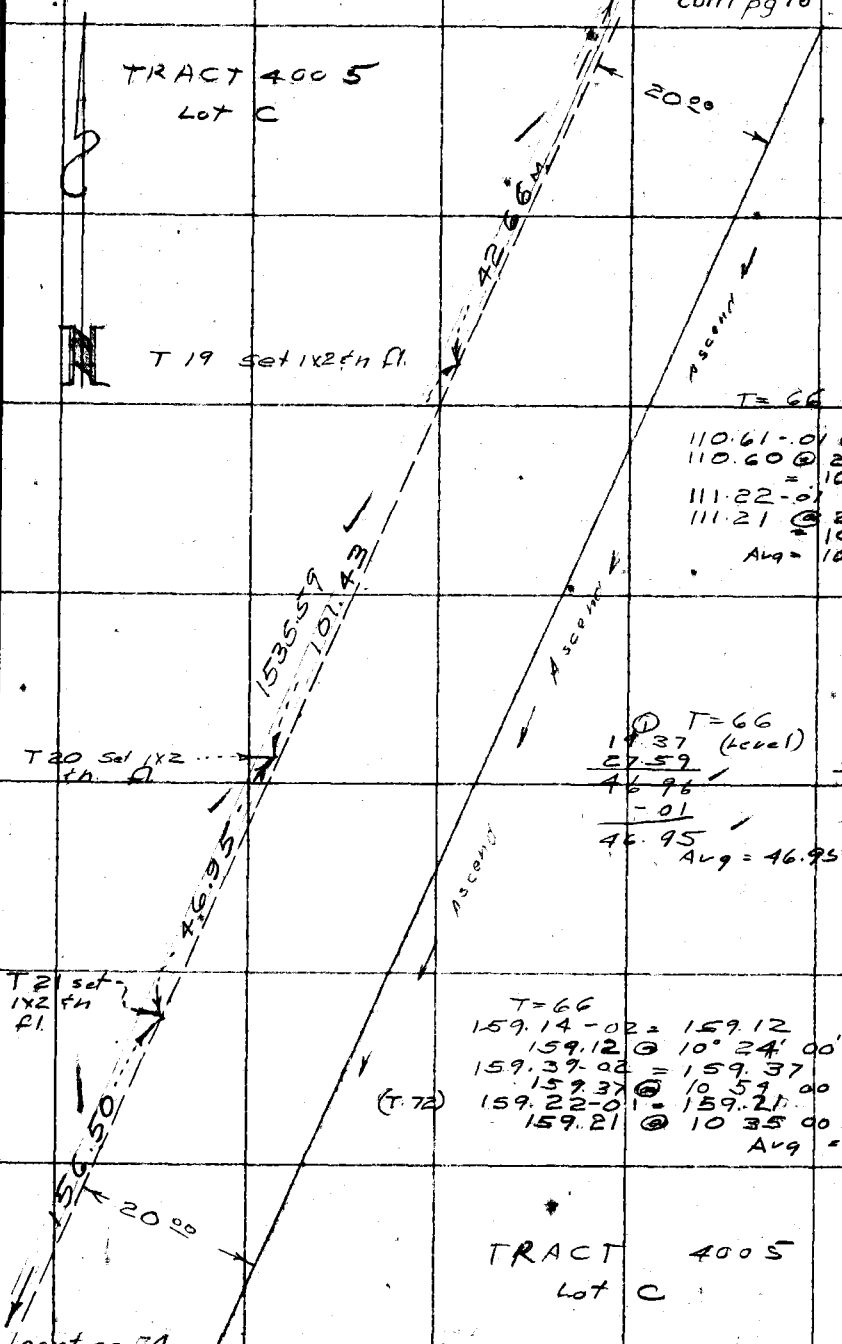
Map No.	JN 0075.26 Tape 101 Std. 84 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date 4-57	
Date	Indexed K. C. Johnson	

cont pg 76



T = 66

110.61 - .01 = 110.60
110.60 @ 23° 30' 40" = 101.420
111.22 - .01 = 111.21
111.21 @ 24° 12' 00" = 101.437
Avg = 101.428

① T = 66 (Level)
19.37
27.59
46.96
- .01
46.95

② 19.77
27.19
46.96
- .01
46.95

Avg = 46.95

T = 66
159.14 - .02 = 159.12
159.12 @ 10° 24' 00" = 156.506
159.39 - .02 = 159.37
159.37 @ 10 54 00 = 156.495
(T. 72) 159.22 - .01 = 159.21
159.21 @ 10 35 00 = 156.502
Avg = 156.504

cont pg. 74

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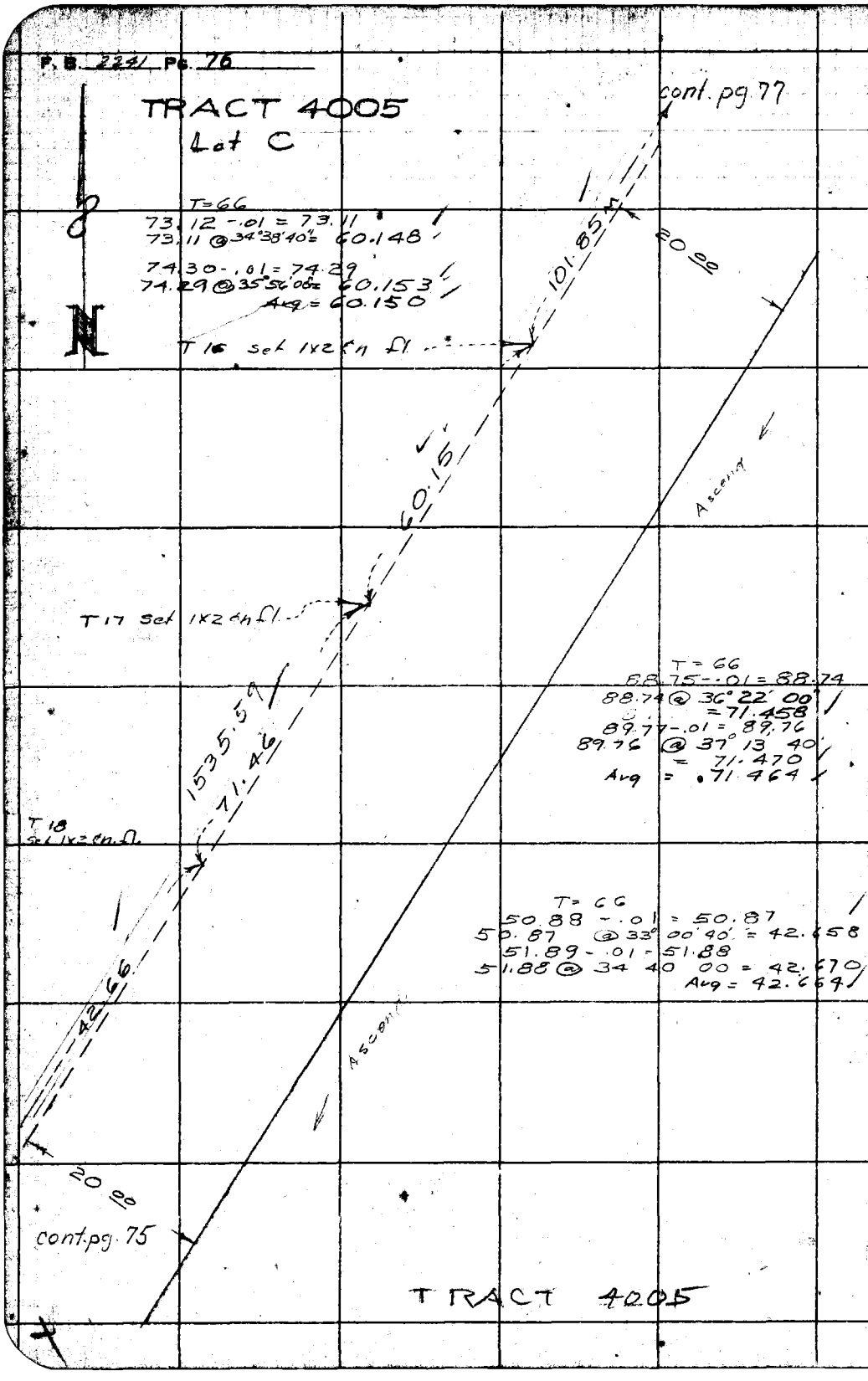

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Map No.	JN 0075 26 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
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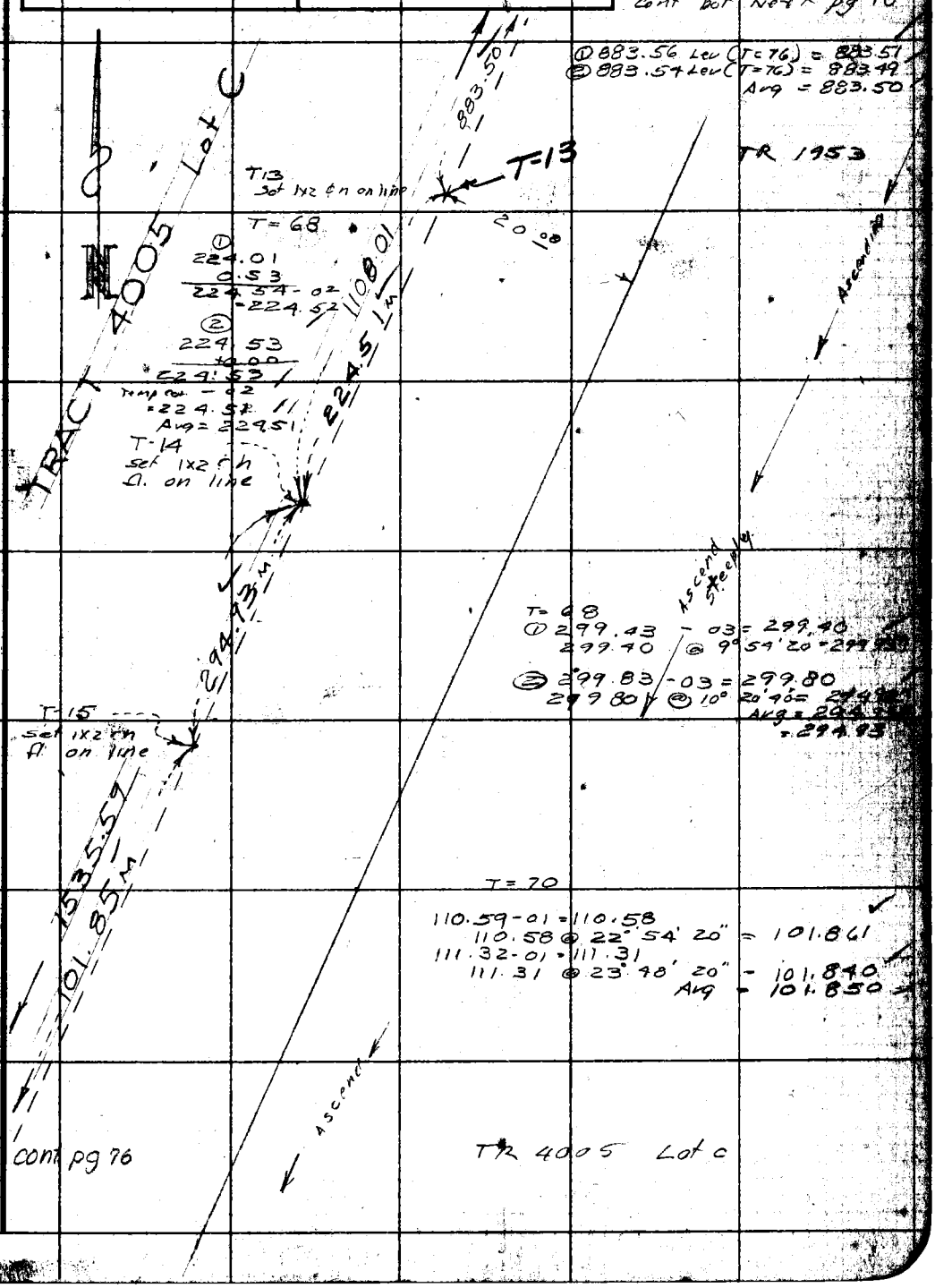
Date	Indexed K. C. Johnson

F. B. 2241 Pg. 77

cont bot next pg 78



cont pg 76

TR 4005 Lot c

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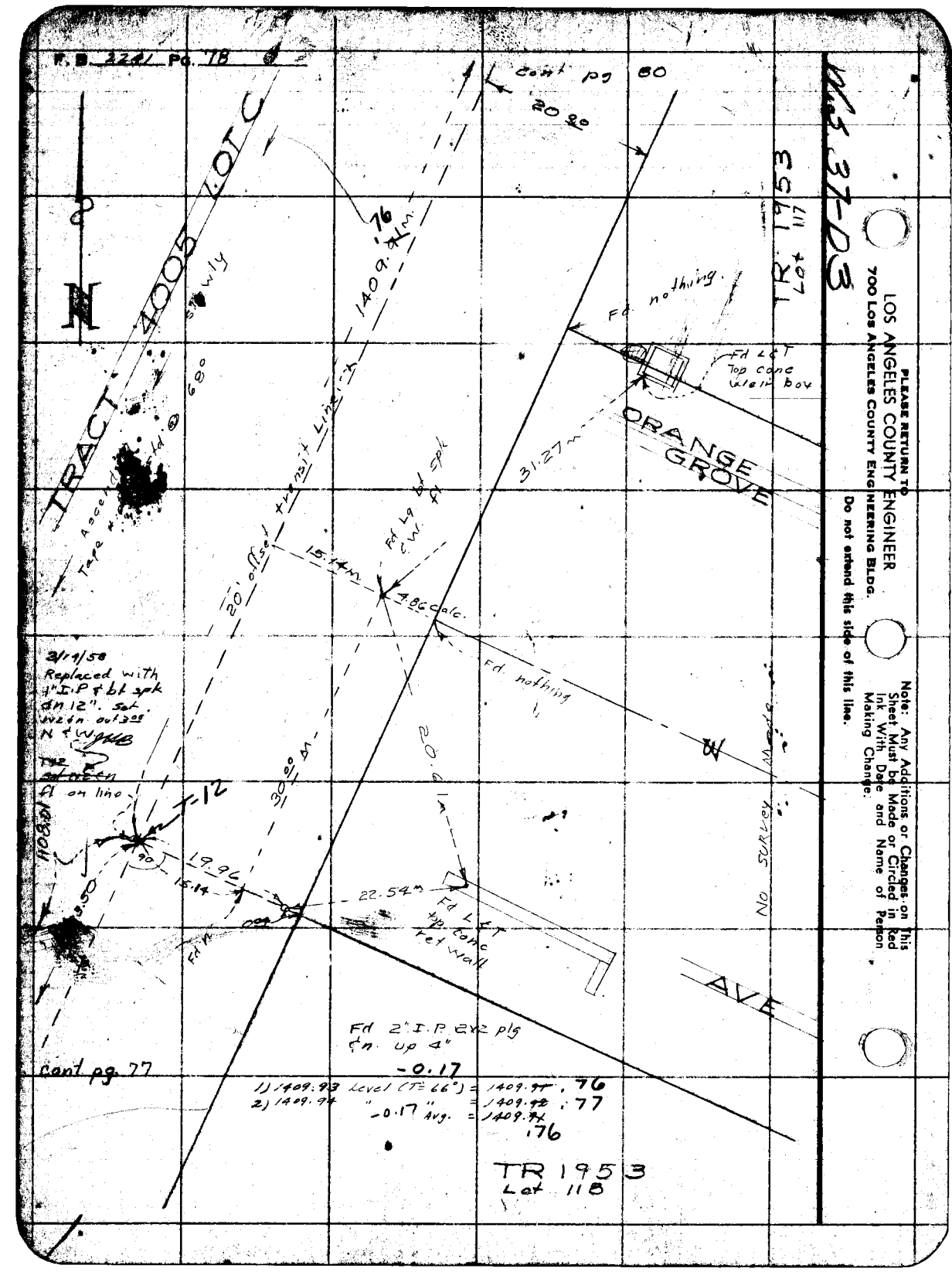
M.B. 324/ Pg. 78



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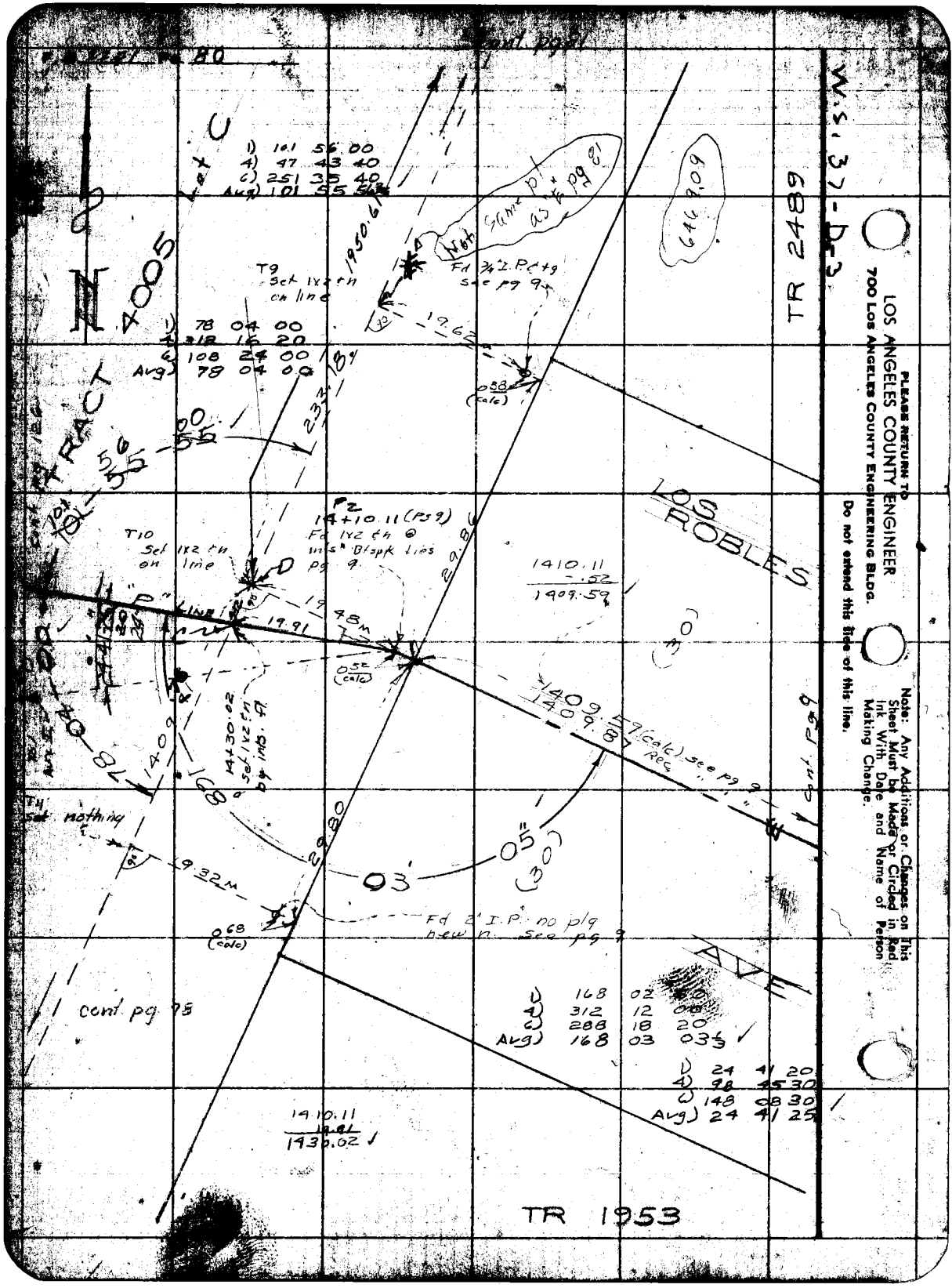

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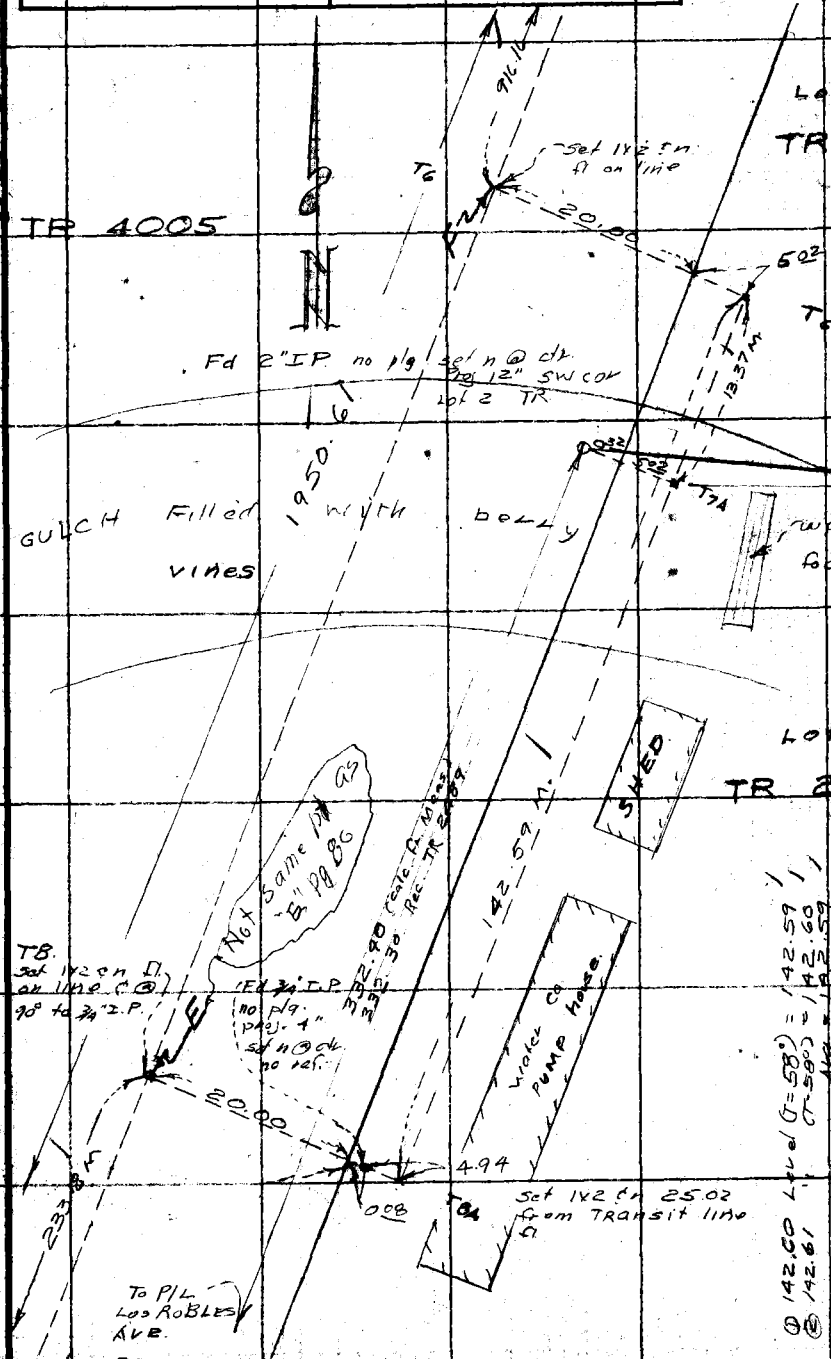
Map No.	JN 007526 Tape 0115 Std 68 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B Date 3-57	
Date	Indexed K. C. Johnson	

cont. pg 82

WS 37-D3



① 142.60 Level (T=58°) = 142.59
② 142.61 " (T=58°) = 142.60
Avg = 142.59

① 13.37 Level (T=58) = 13.37
② 13.37 " (T=58) = 13.37
Avg = 13.37

① 233.19 Level (T=58) = 233.17
② 233.21 Level (T=58) = 233.19
Avg = 233.18

cont pg 80

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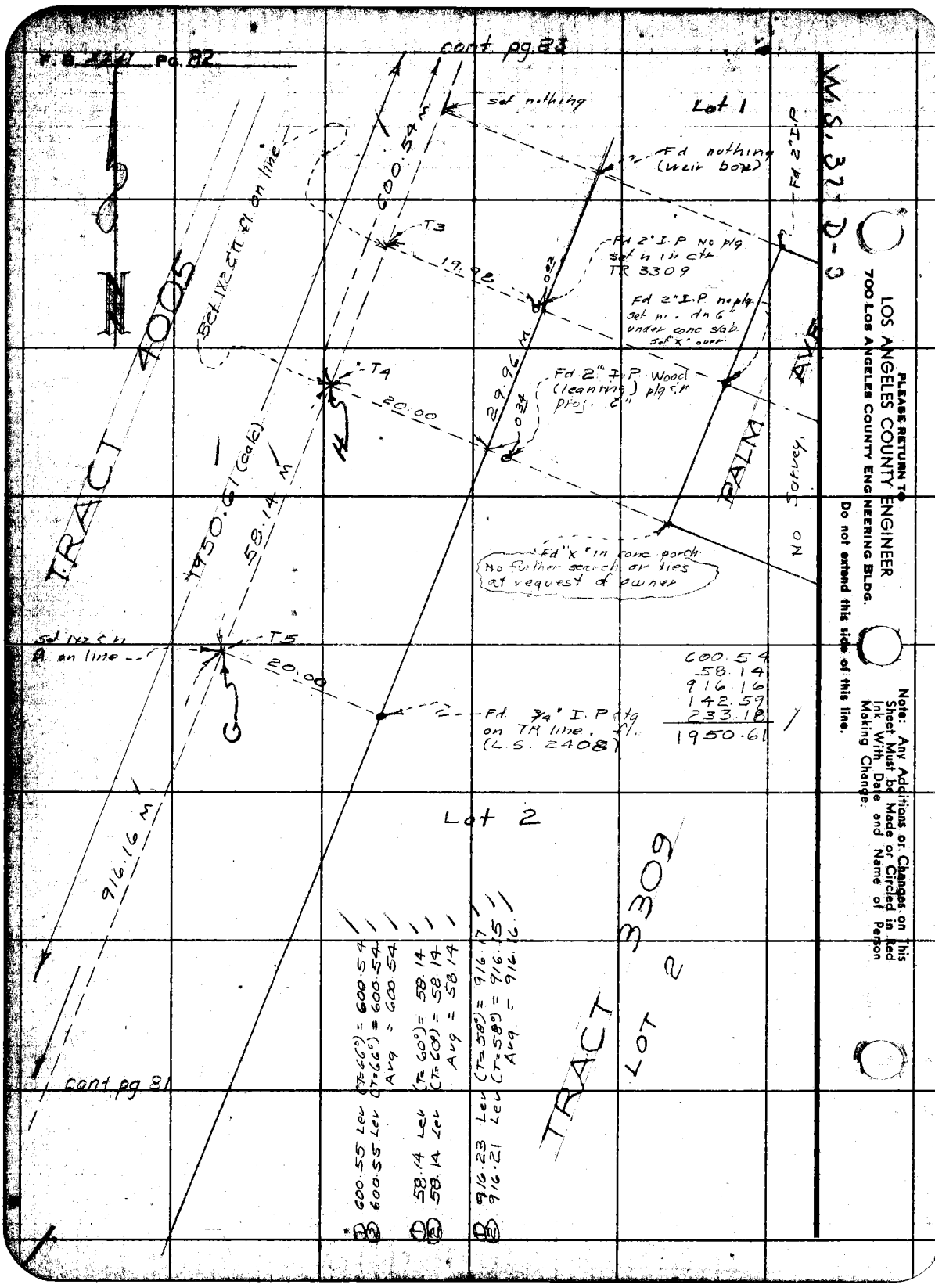

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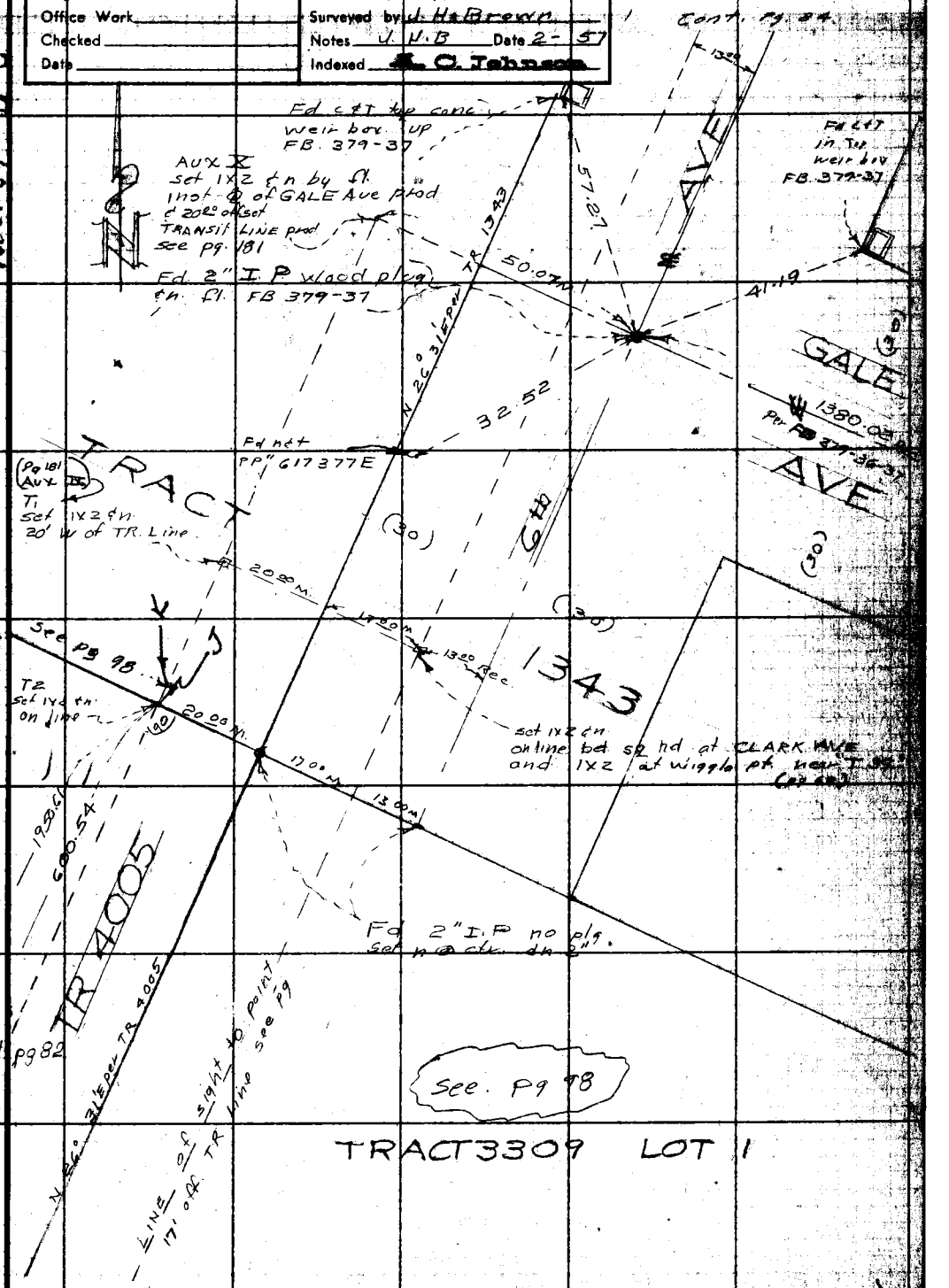
Map No.	JN 007526 Tape 0115 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 2-57
Date	Indexed L. C. Johnson

F. B. 2241 Pg. 83



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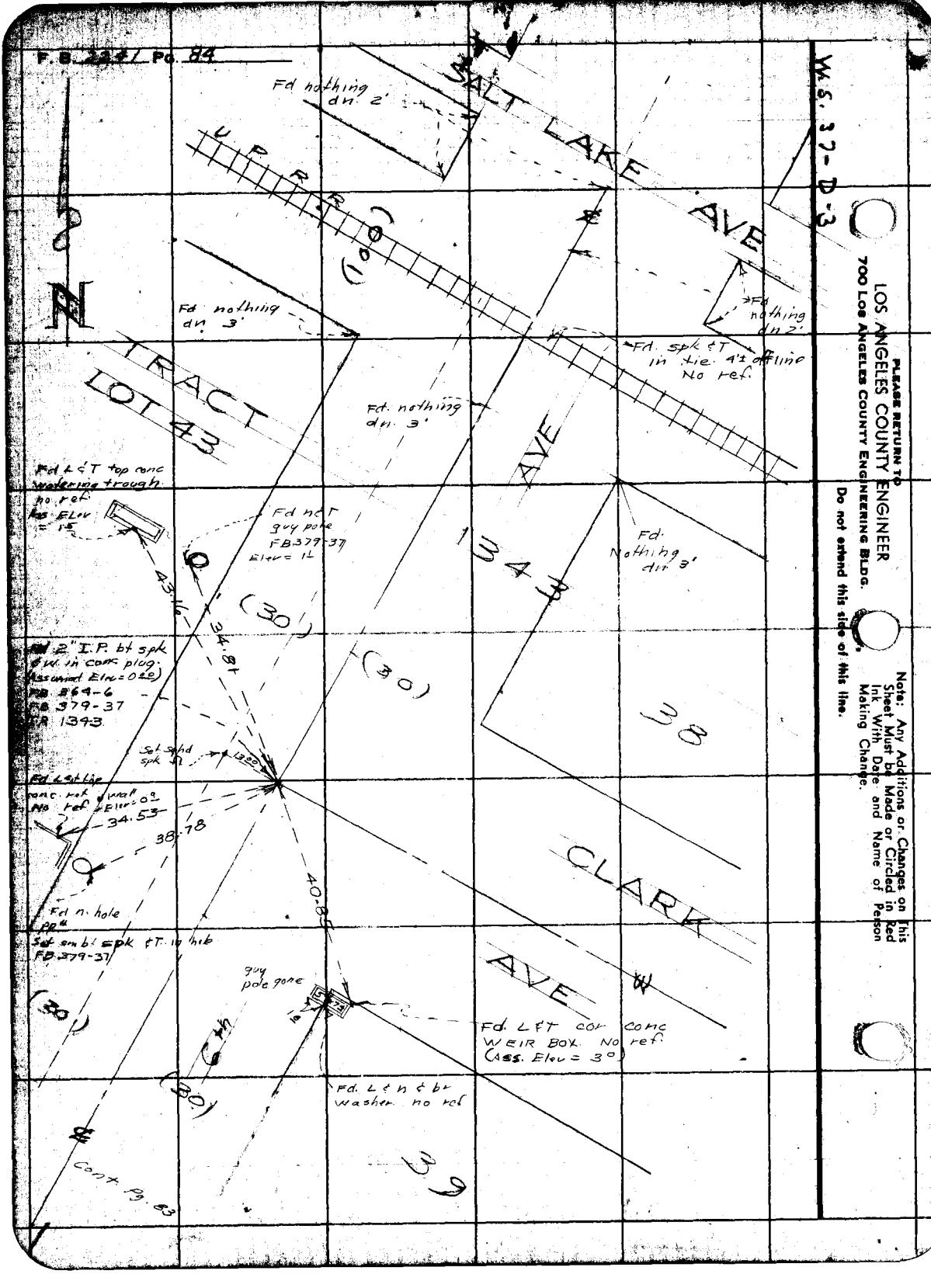

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Map No.	JN 0075.26 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J.H.B. Date 5-57
Date	Indexed L. C. Johnson

F. B. 2241 Pg. 85

TR 4005 LOT C

1) 112 58 00
4) 91 52 30
6) 317 49 00
112 58 10

1) 103 23 50
4) 53 36 00
6) 260 24 50
103 24 00

To P4 & P5
Pg. 125 & 126

To P6 Pg. 123

112° — 58'
103° — 24'
9° 34' 05" (calc)
10° 05' 04"

Au x I

To P2 Pg. 80

Set 1x2 & n on ridge 1015' ± Sly fr. P4.
(Replaced with capped 1" I.P. dn 6 March 1958)

58.47.14
95 68 77
1278.37

45 68.77
33 91.44
1177 33

P6

P5

P4

P3

P2

1958.91 Calc.

Au x I

(Pg 123) 16° 40' 35"

.286 965 78
sin 16° 40' 35"
sin 90° 34' 00"
(.166 195 09)
x 1278.37 = 2207.34
− 1177.33
= 1030.01

(.511 305 59)
sin 30 45 03
sin 103 24 04
(.972 771 38)
x 1958.91 = 1029.37

Avg = 1029.69

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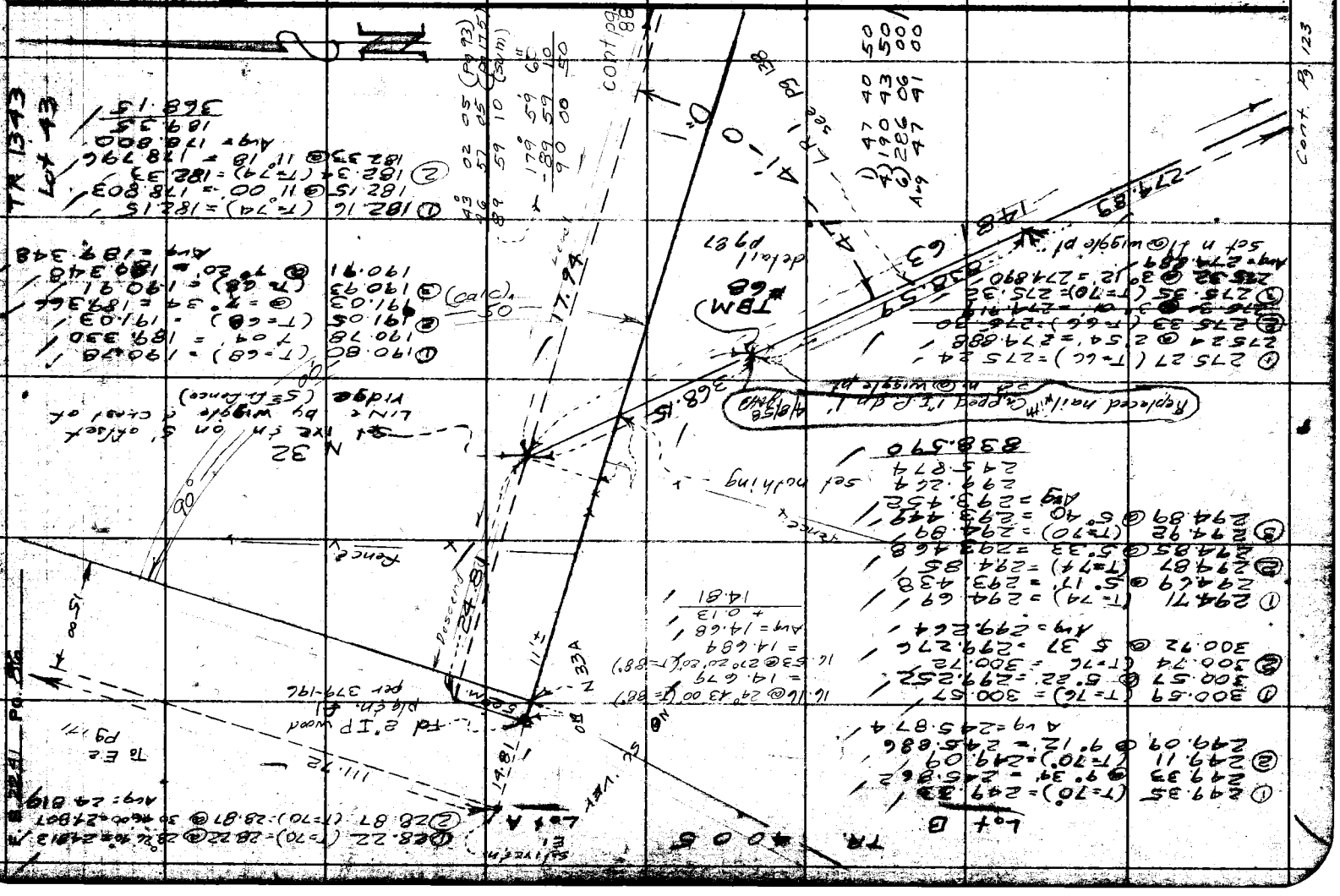
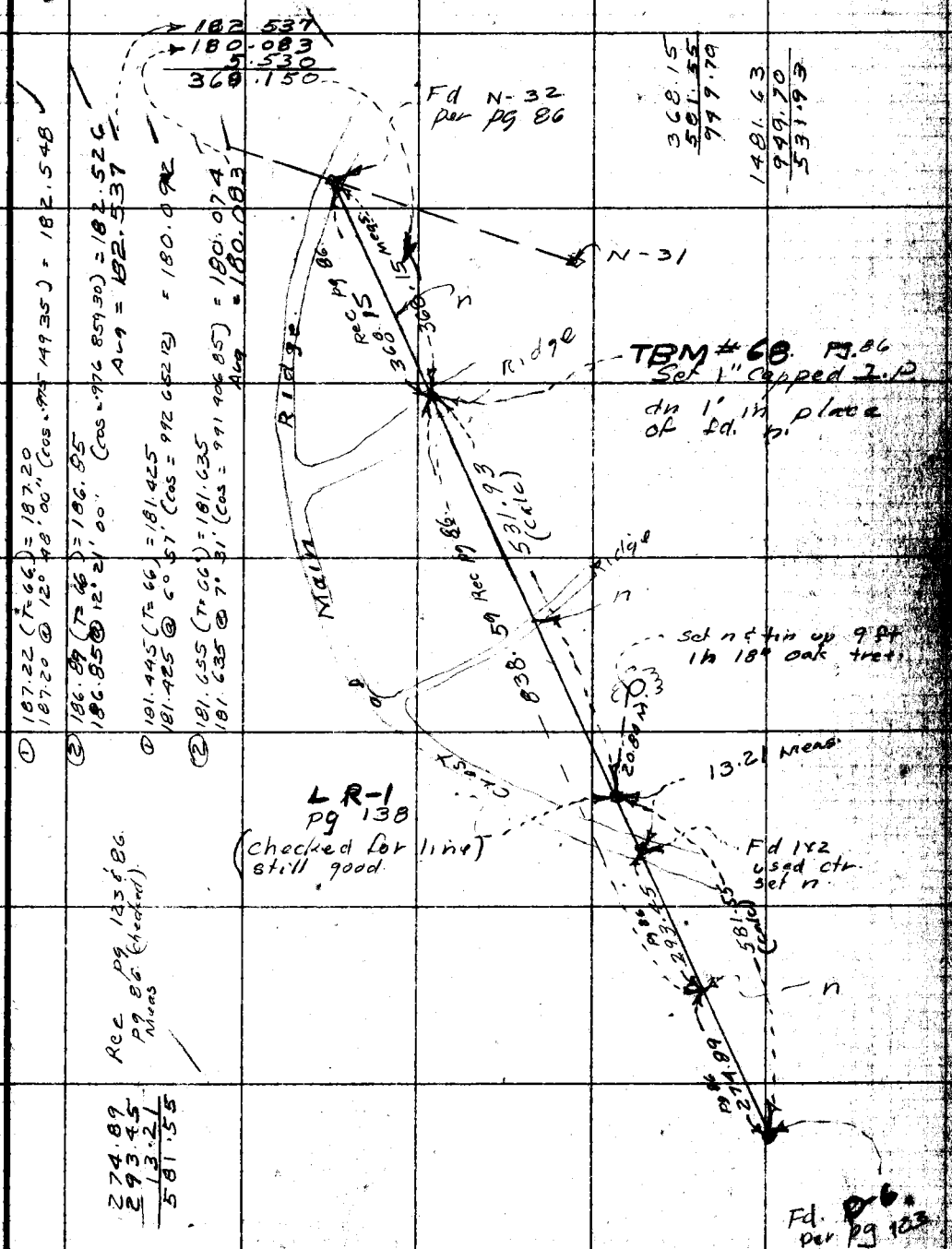
W.S. 37-D3



Notes Ck'd by F. McMILLAN	Survey of Los Robles Ave
Map No.	JN 0075-28 Tape 84 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 4/8/58
Date	Indexed

F. B. 2241 Pg. 87



① 187.22 (T=66) = 187.20
187.20 @ 12° 48' 00" (cos = .975 149 35) = 182.548

② 186.89 (T=66) = 186.85
186.85 @ 12° 21' 00" (cos = .976 859 30) = 182.526
Avg = 182.537

① 181.445 (T=66) = 181.425
181.425 @ 6° 57' (cos = 992 652 12) = 180.092

② 181.655 (T=66) = 181.635
181.635 @ 7° 31' (cos = 991 406 85) = 180.074
Avg = 180.083

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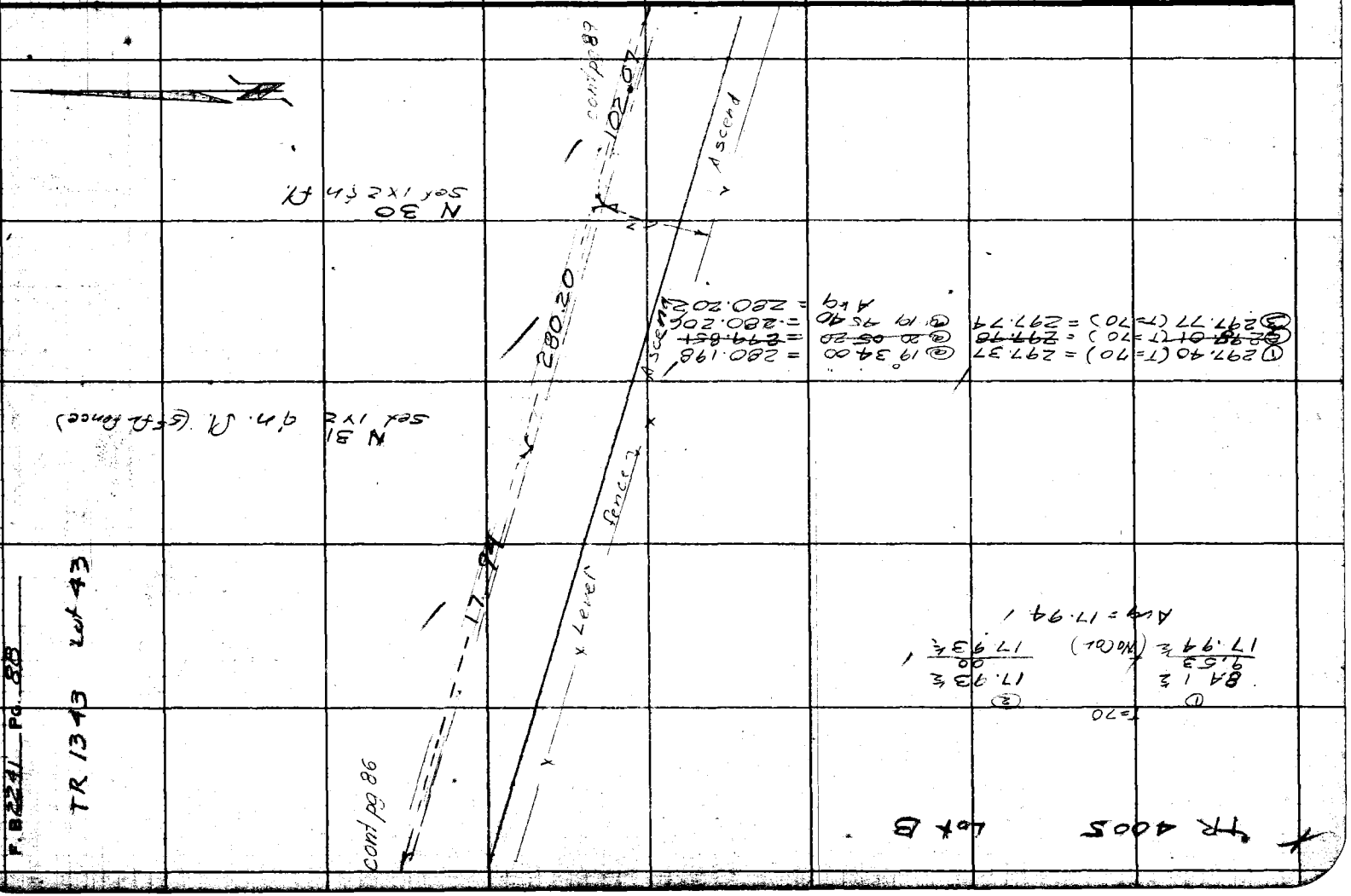
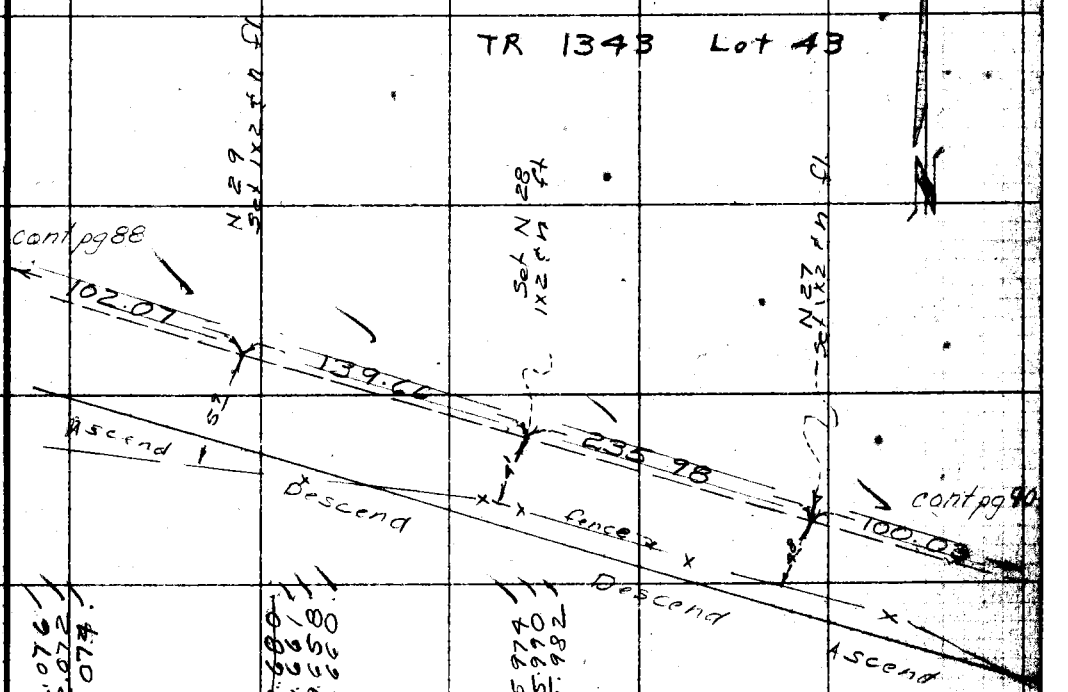


Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN0075-26 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-57
Date	Indexed C. Johnson

F. B. 2241 PG. 87



① 102.62 (T=70) = 102.61 @ 5° 51' = 102.076
② 102.54 (T=70) = 102.53 @ 5° 25' = 102.072
Avg = 102.074

① 141.32 (T=76) = 141.31 @ 8° 41' = 139.680
② 141.09 (T=76) = 141.08 @ 8° 08' = 139.661
③ 141.25 (T=74) = 141.24 @ 8° 35' = 139.658
Avg = 139.660

① 237.36 (T=72) = 237.34 @ 6° 09' = 235.974
② 237.69 (T=70) = 237.67 @ 6° 49' = 235.990
Avg = 235.982

TR 4005 Lot B

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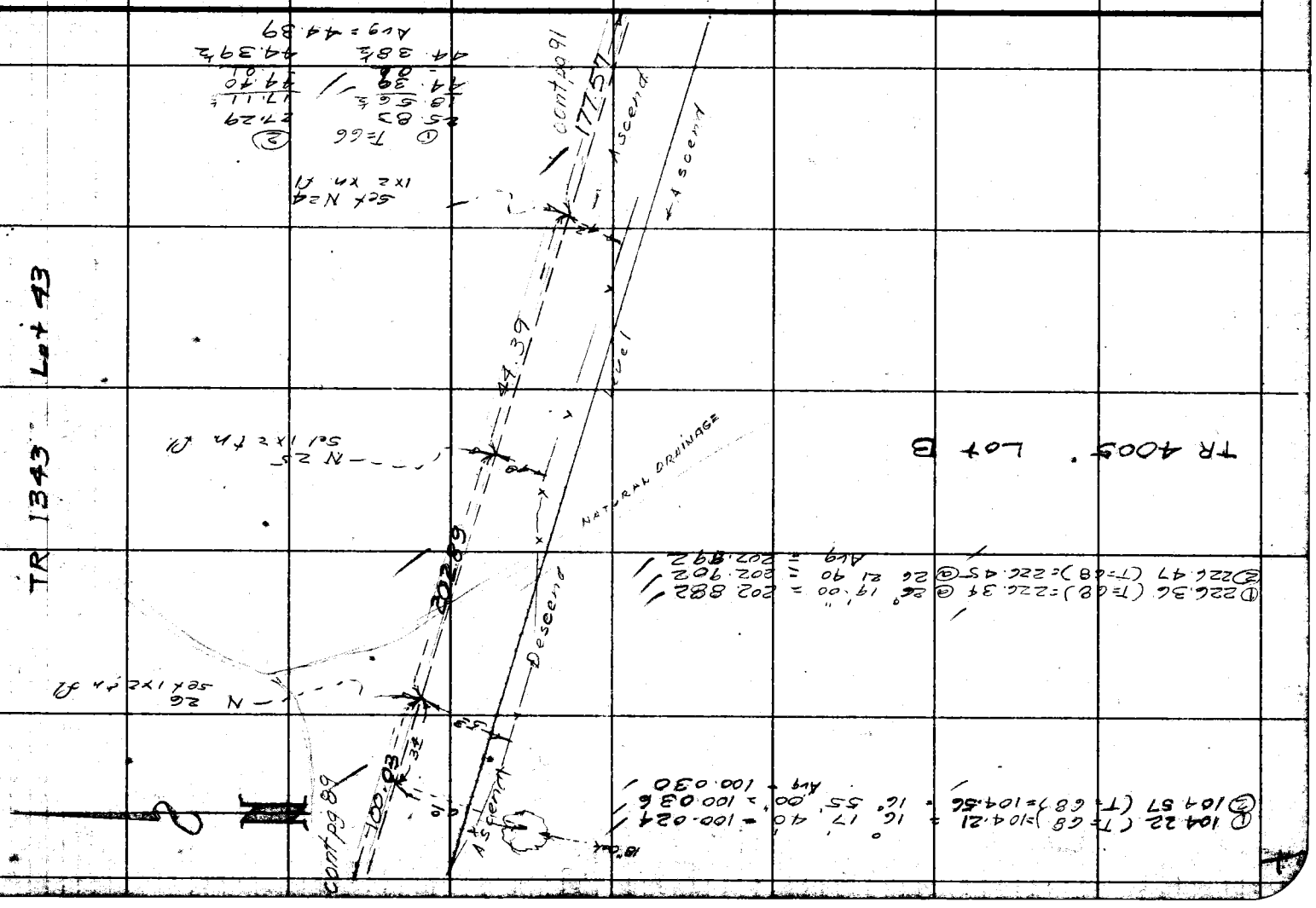
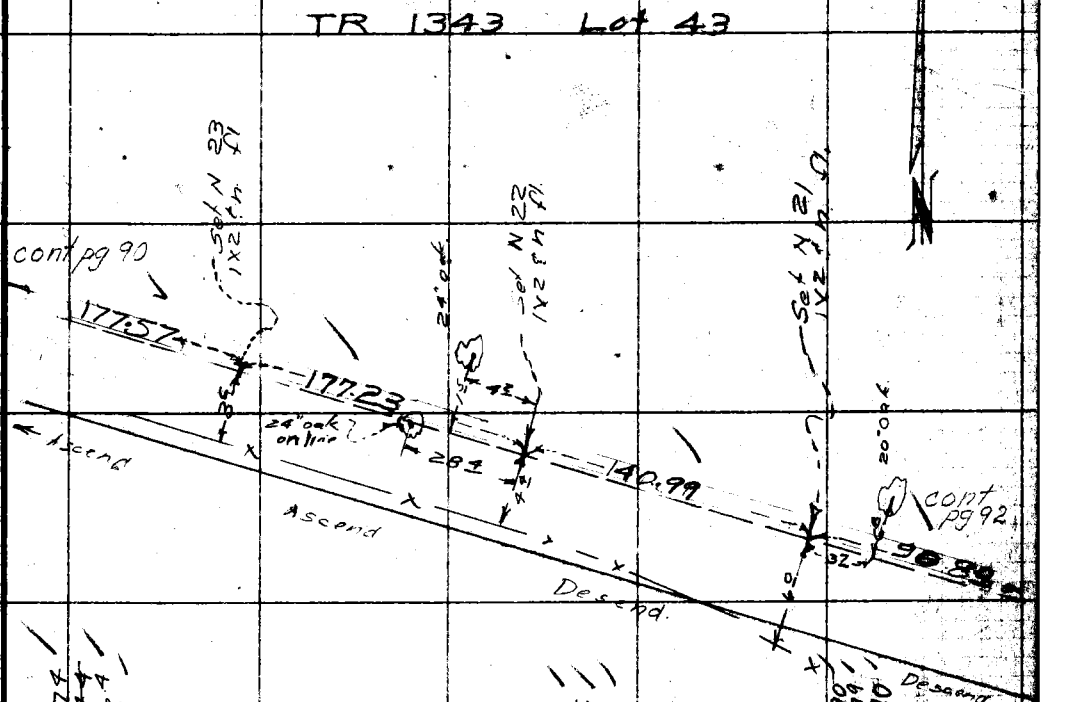


Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN 007526 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-57
Date	Indexed C. Johnson

F. B. 2241 PG. 91

TR 1343 Lot 43



① 184.22 (T=70) = 184.20 @ 15° 24' 50" = 177.574
② 184.67 (T=66) = 184.65 @ 15° 50' 00" = 177.644
③ 184.41 (T=68) = 184.39 15 38 20 = 177.564
Avg = 177.569

TR 4005 Lot B

① 177.95 (T=62) = 177.92 @ 5° 04' 40" = 177.222
178.13 (T=62) = 178.10 @ 5° 36' 40" = 177.247
Avg = 177.234

① 145.54 (T=62) = 145.52 @ 14° 20' 00" = 140.990
② 145.76 (T=62) = 145.74 @ 14° 40' 10" = 140.989
Avg = 140.990

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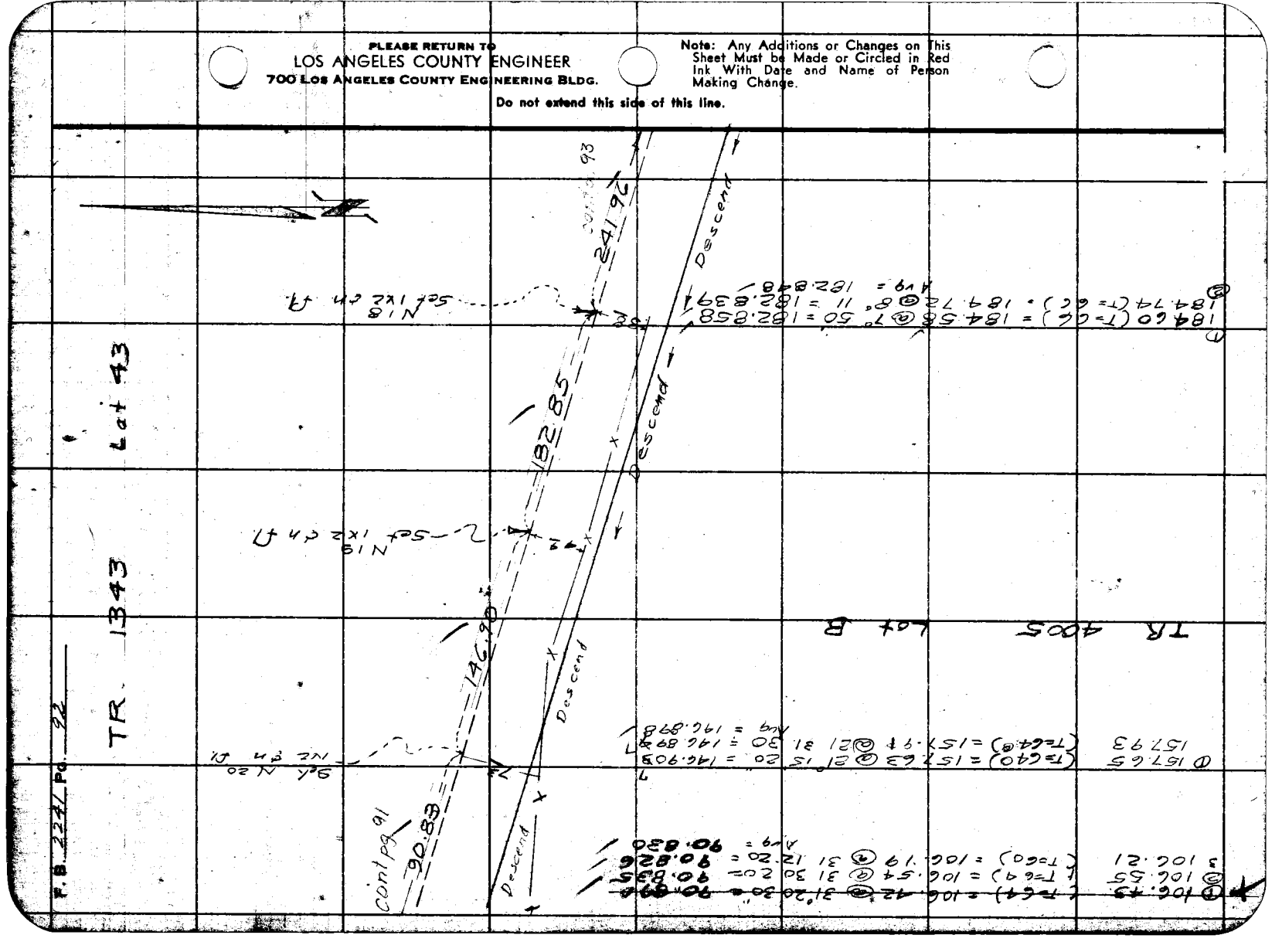
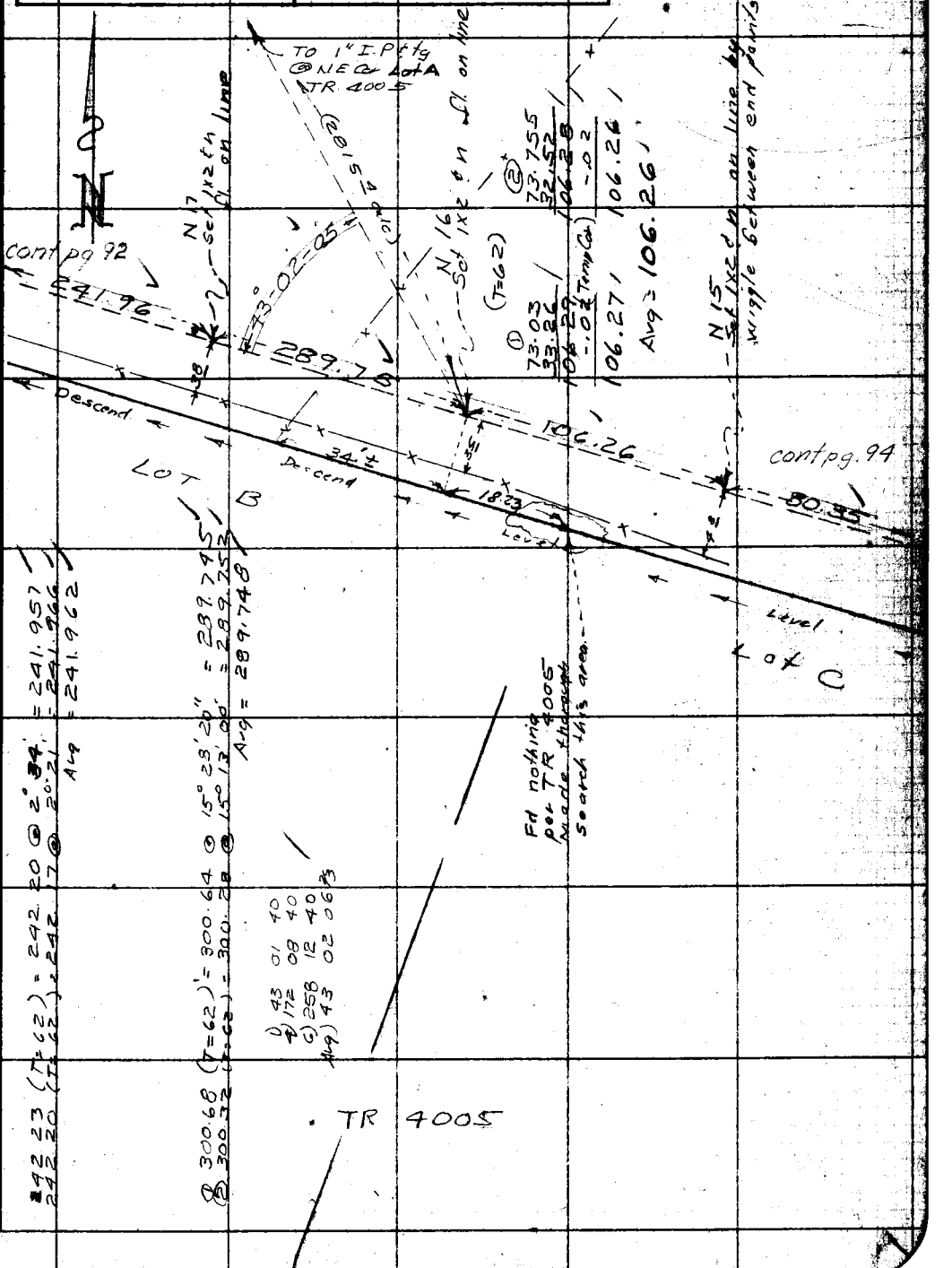


Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN 0075 24 Tape 101 Std 84 °F
Office Work	Surveyed by J. N. Brown
Checked	Notes J. H. B. Date 5-6-57
Date	Indexed A. C. Johnson

F. B. 2241 PG. 93

T 1343 Lot 43

W.S. 37-D3



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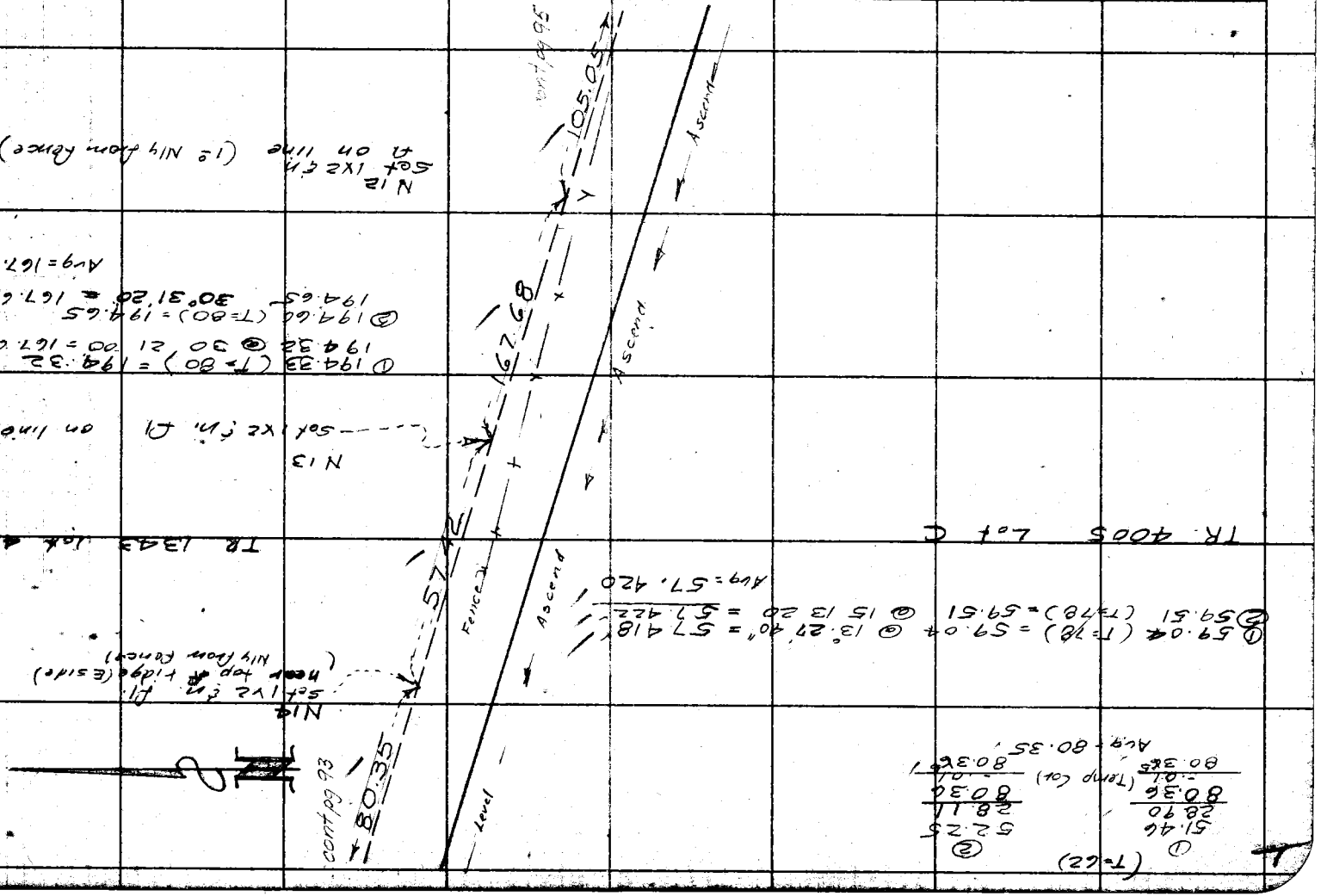
F. B. 2241 Pg. 24



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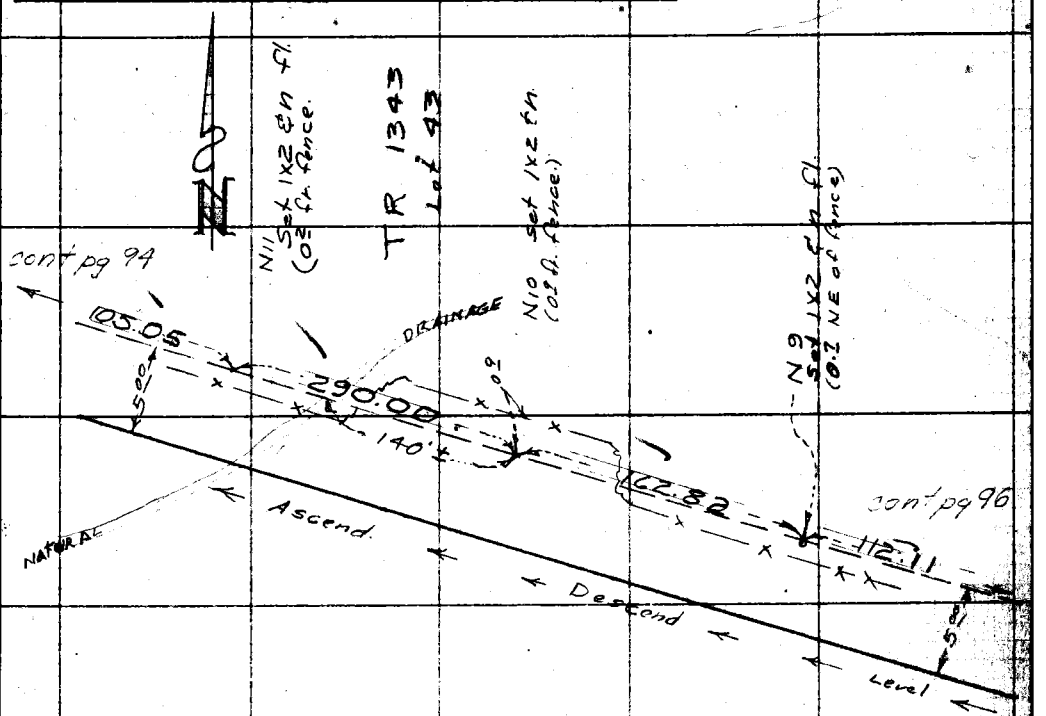
Map No.	JN 0075.26 Tape 101 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 5-2-57
Date	Indexed E. A. Johnson

F. B. 2241 Pg. 95



① ~~120.53~~ (T=74) = 120.53
~~120.52~~ @ 29° 22' 00" = 105.033

② 121.28 (T=74) = 121.27
121.27 @ 29° 58' 00" = 105.058

③ ~~120.98~~ (T=74) = ~~120.97~~
~~120.97~~ @ 29° 42' 20" = ~~105.073~~

④ 121.60 (T=74) = 121.59
121.59 @ 30 14 00 = 105.052

Avg = 105.054

TR 4005 Lot C

① 292.98 (T=74) = 292.96
292.96 @ 8° 10' = 289.989

② 293.22 (T=74) = 293.20
293.20 @ 8° 28' = 290.003

Avg = 289.996

① 165.29 (T=74) = 165.28
165.28 @ 9° 54' = 162.819

② 164.87 (T=74) = 164.86
164.86 @ 9° 01' = 162.823

Avg = 162.821

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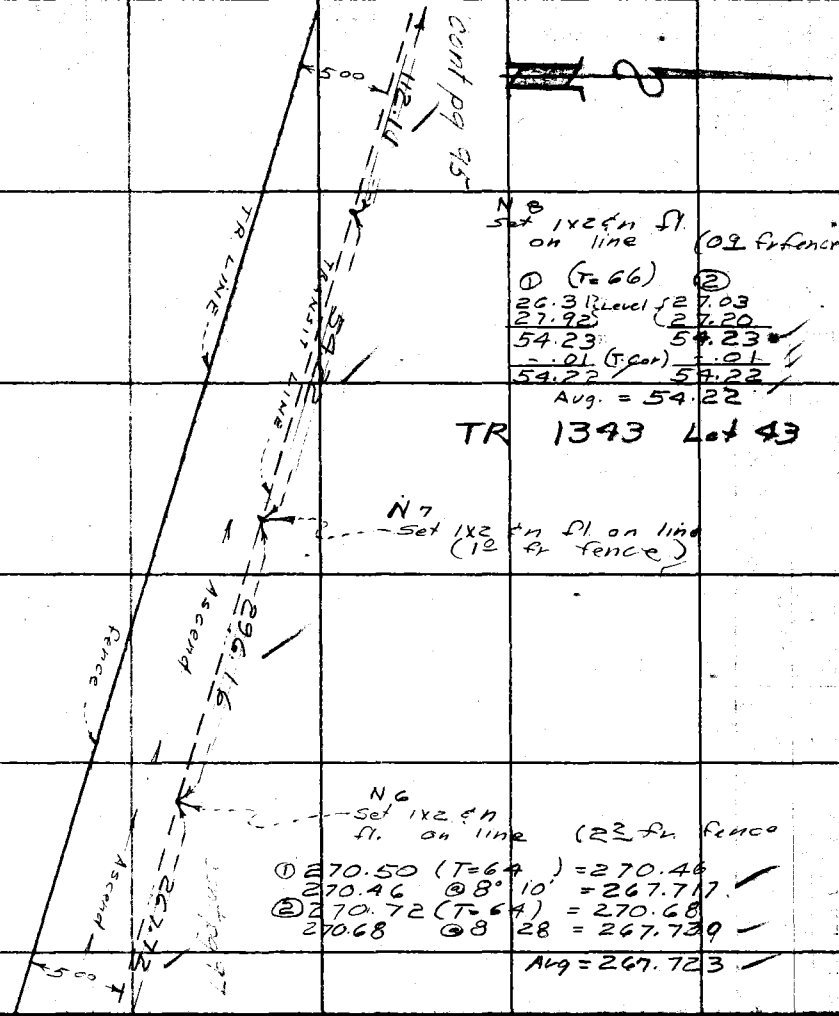
① 113.44 (T=70) = 113.43
113.43 @ 8° 44' = 112.115

② 113.22 (T=70) = 113.21
113.21 @ 8° 01' = 112.104
Avg = 112.110

TR 4005 Lot C

① 299.36 (T=64) = 299.32
299.32 @ 8° 21' = 296.147

② 299.58 (T=64) = 299.54
299.54 @ 8° 36' = 296.172
Avg = 296.160



N 8
Set 1x2 & n fl. on line (0.9 fr fence)

① (T=66) ②
26.3 Level 27.03
27.92 27.20
54.23 54.23
-.01 (T. cor) -.01
54.22 54.22
Avg. = 54.22

TR 1343 Lot 43

N 7
Set 1x2 & n fl. on line (1.0 fr fence)

N 6
Set 1x2 & n fl. on line (2.2 fr. fence

① 270.50 (T=64) = 270.46
270.46 @ 8° 10' = 267.717

② 270.72 (T=64) = 270.68
270.68 @ 8 28 = 267.739

Avg = 267.723

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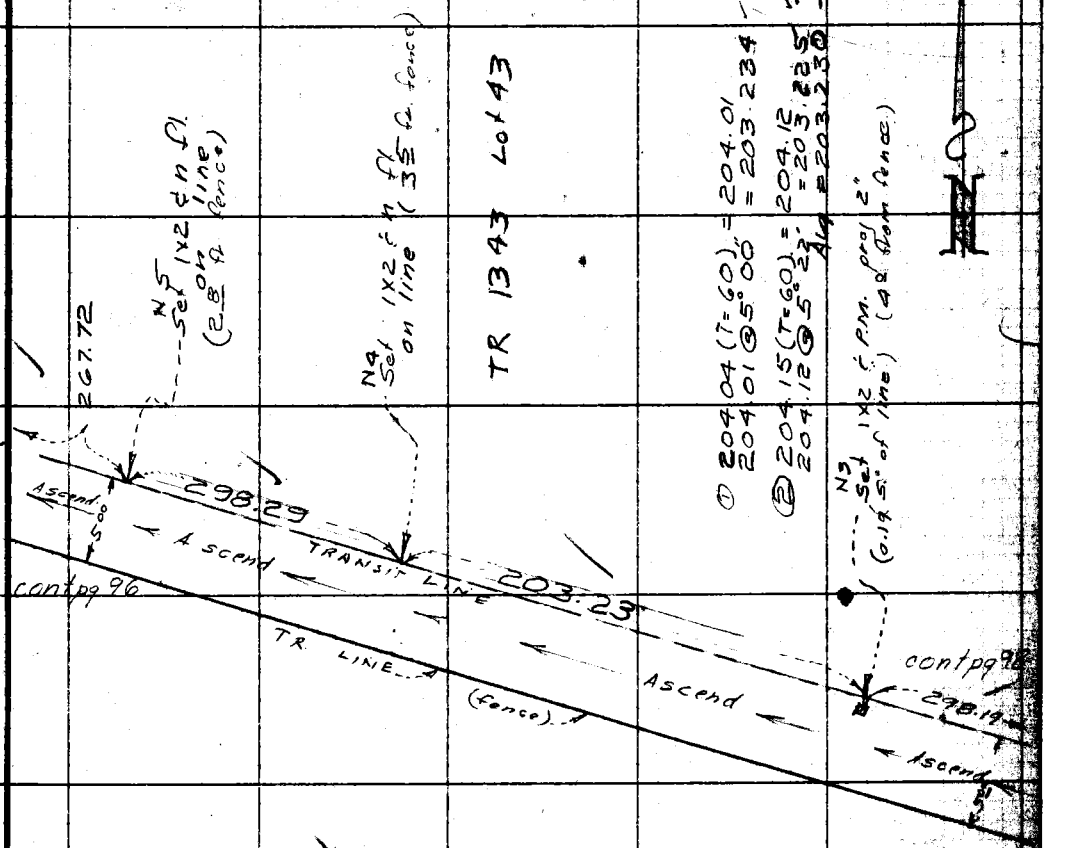
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-2-57
Date	Indexed E. C. Johnson

F. B. 2241 Pg. [illegible]



TR 4005 Lot C

① 299.83 (T=60) = 299.78
299.78 @ 5° 47' = 298.254

② 300.08 (T=60) = 300.03
300.03 @ 6° 09' = 298.303

③ 299.97 (T=60) = 299.92
299.92 @ 6 00 = 298.277
Avg = 298.290

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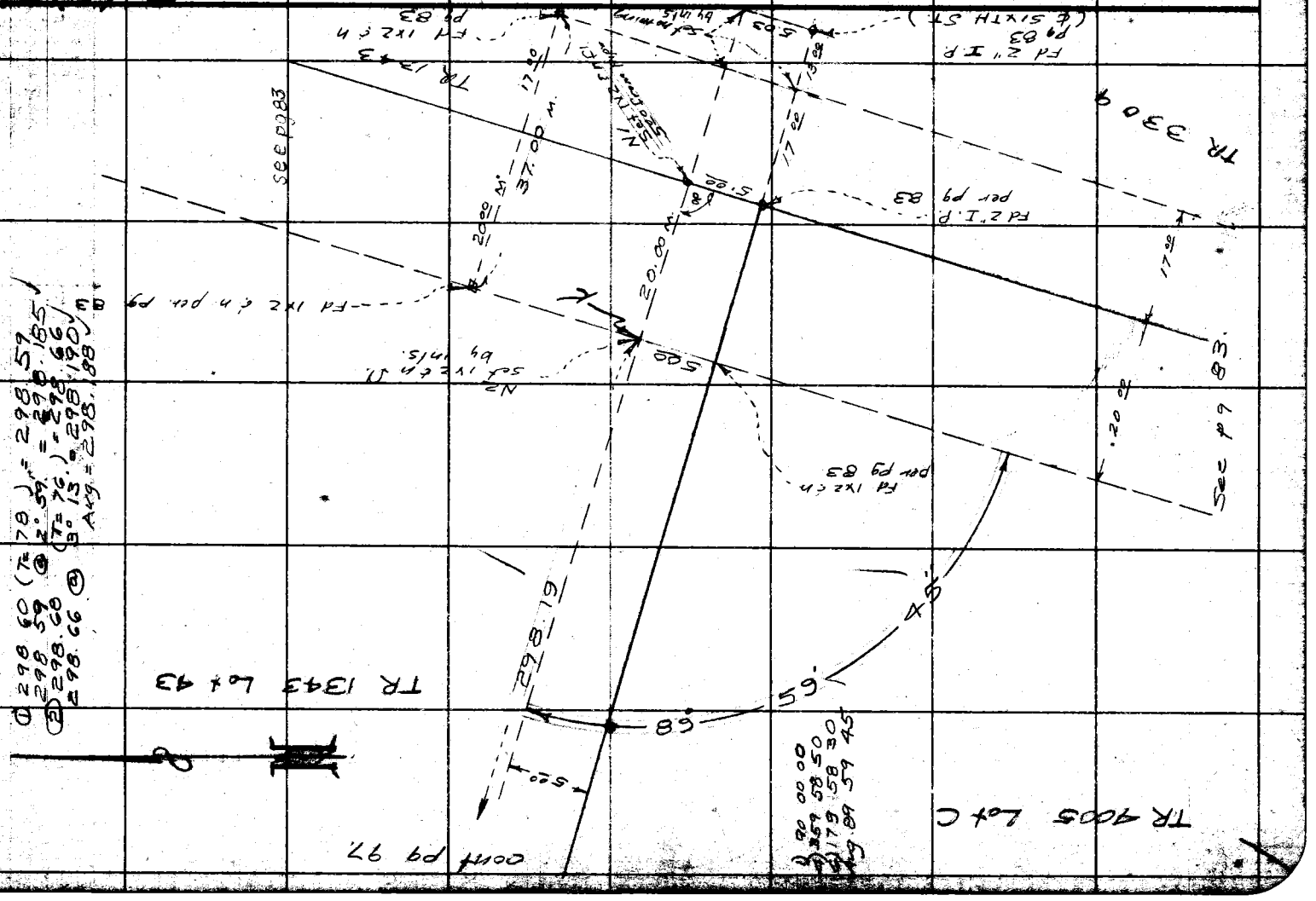

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Map No.	JN 0075.26 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-27-57
Date	Indexed A. C. Johnson

F. B. 2241 Pg. 97

W.S. 37-B-1

Note. This ANGLE Pt ALSO SHOWN PG. 16.

1) 162 53 40
2) 291 34 50
3) 257 22 00
Avg 162 53 40

1) 18-19-30
2) 73 18 20
3) 109 57 30
Avg = 18 19 35

cont pg 17

169+61.38
Set 1/2 d.n. ft. on line

ROAD

18-19-35

Fd 2x2 tn dn. 6" no ref.

Fd 2x2 tn no ref.

37.85 Φ

Φ 106.74

171+81.58
W2 = P 18
Fd. ct spk. & w. ints 4 tan n per pg 16

MILL

3/4" I.P. dn 15"
Pg 16 FB 1876 - ?

Fd. State Hwy Mon dn 9" conc. pad over 4 tan. schd. strads. see pg 16 see FB 1876

WORKMAN (old ℄)

cont pg 16

167+11.28
2+50.10
169+61.38
2+20.20
171+81.58
0.10

(T=64)
① 115.69
109.54
220.23
-.03
220.20
Avg.: 220.20

② 116.75
103.48
220.23
-.03
220.20

① 250.87 (T=64) = 250.84 @ 4° 25 = 250.095
② 251.03 (T=64) = 251.00 @ 9° 50 = 250.107
Avg = 250.101

1) 178 46 40
2) 355 06 40
3) 352 40 00
Avg = 178 46 40

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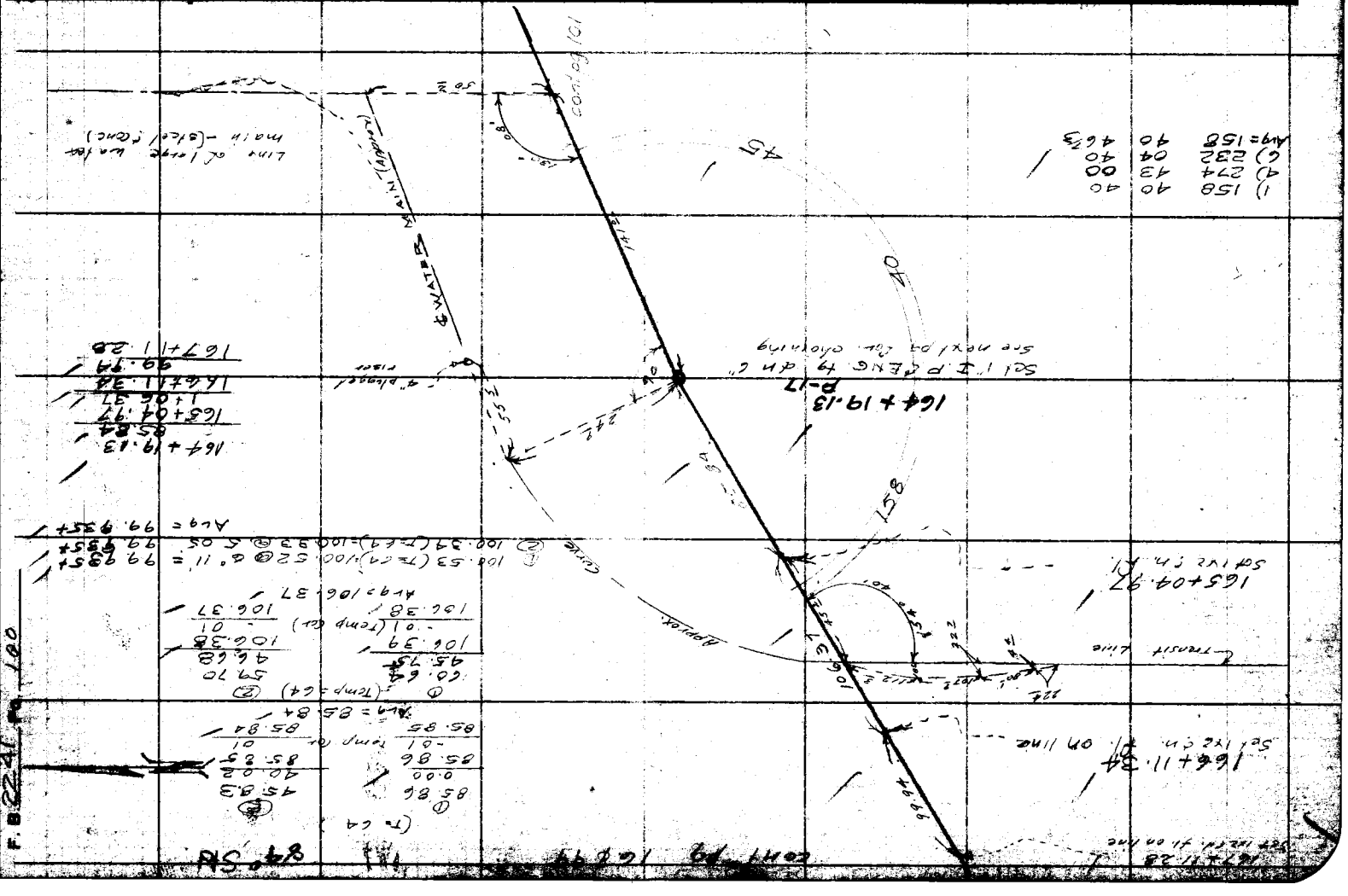
W.S. 37-B3



F.B. 2241 P. 100

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Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-57
Date	Indexed A. C. Johnson

F. B. 2241 Pg. 101

W.S. 37-C3

cont pg 102

T=70

①	②
25.04	26.11
20.49	19.42
17.47	18.43
22.22	21.26
21.56	22.47
17.89	16.98
124.67	124.67
-01 Temp Cor	-01
124.66	124.66

Avg = 124.66

1)	141	56	20
4)	207	45	40
6)	131	38	20
Avg	141	56	23⅓

T=82

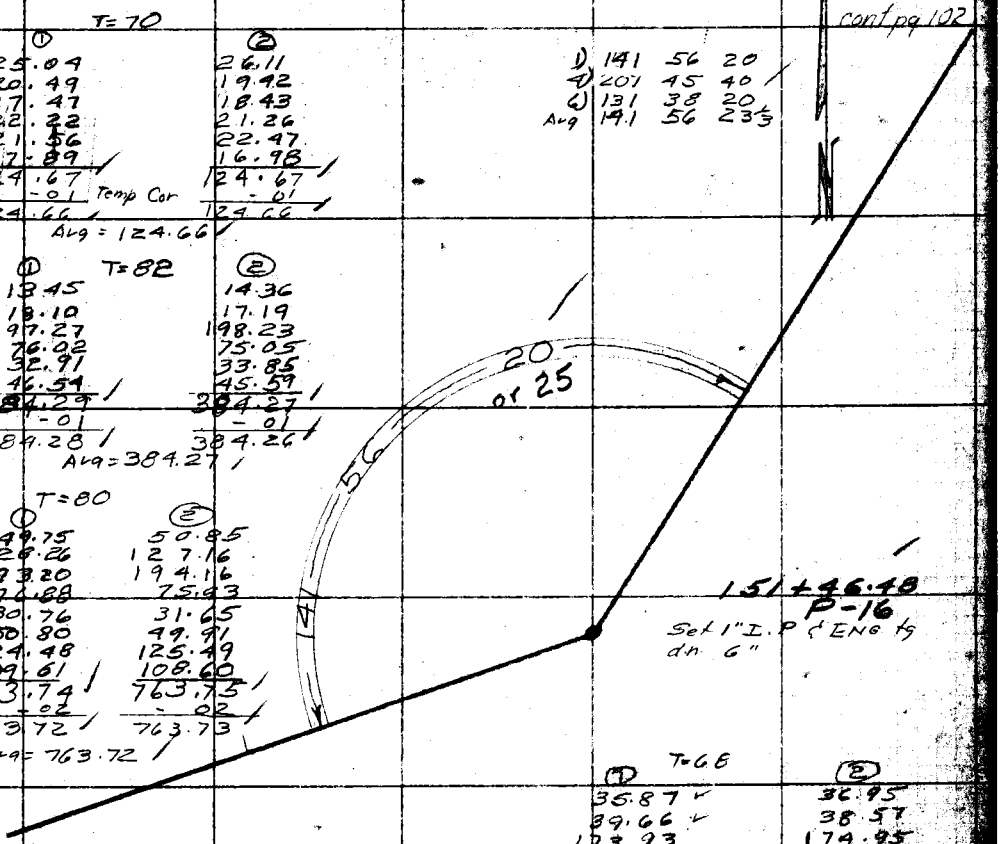
①	②
13.45	14.36
18.10	17.19
197.27	198.23
76.02	75.05
32.91	33.85
46.54	45.59
384.29	384.27
-01	-01
384.28	384.26

Avg = 384.27

T=80

①	②
49.75	50.85
128.26	127.16
193.20	194.16
76.88	75.93
30.76	31.65
50.80	49.91
124.48	125.49
109.61	108.60
763.74	763.75
-02	-02
763.72	763.73

Avg = 763.72



151+46.48
P-16
Set 1" I.P & ENG tg
dn 6"

T=68

①	②
35.87	36.95
39.66	38.57
173.93	174.95
12.82	12.76
67.05	67.02
28.75	28.76
28.09	28.19
17.55	16.51
403.72	403.71
-04	-04
403.68	403.67

Avg = 403.67

cont pg 100

147+42.81
4 03.67
151+46.48
1 24.66
3 84.27
7 63.72
164+19.13

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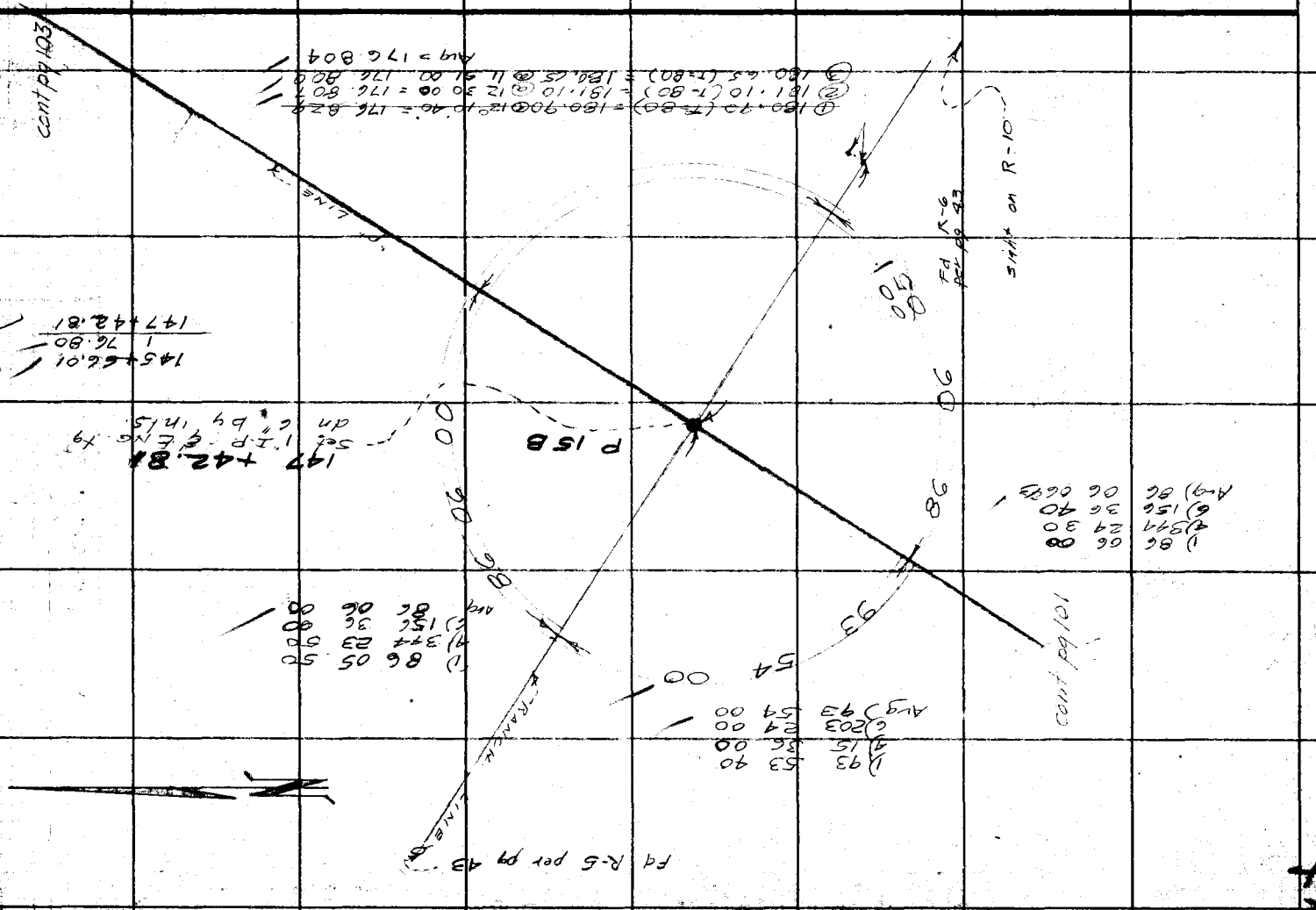

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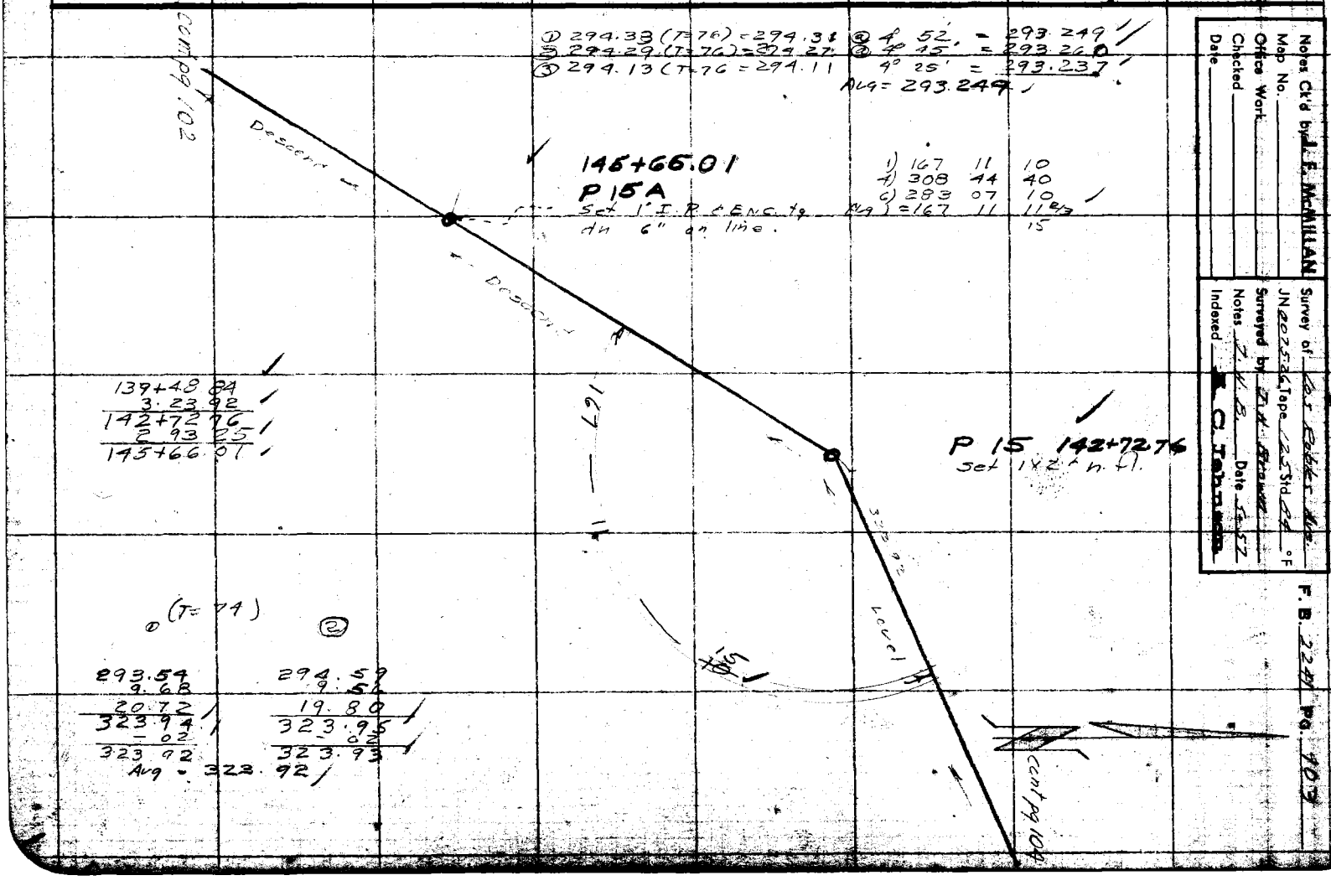

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Map No.
Office Work
Checked
Date

Survey of Los Robles Ave.
JN 0075.26 Tape 125 Std 84 °F
Surveyed by J. H. Brown
Notes J. H. B. Date 5-57
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F. B. 2241 Pg. 903

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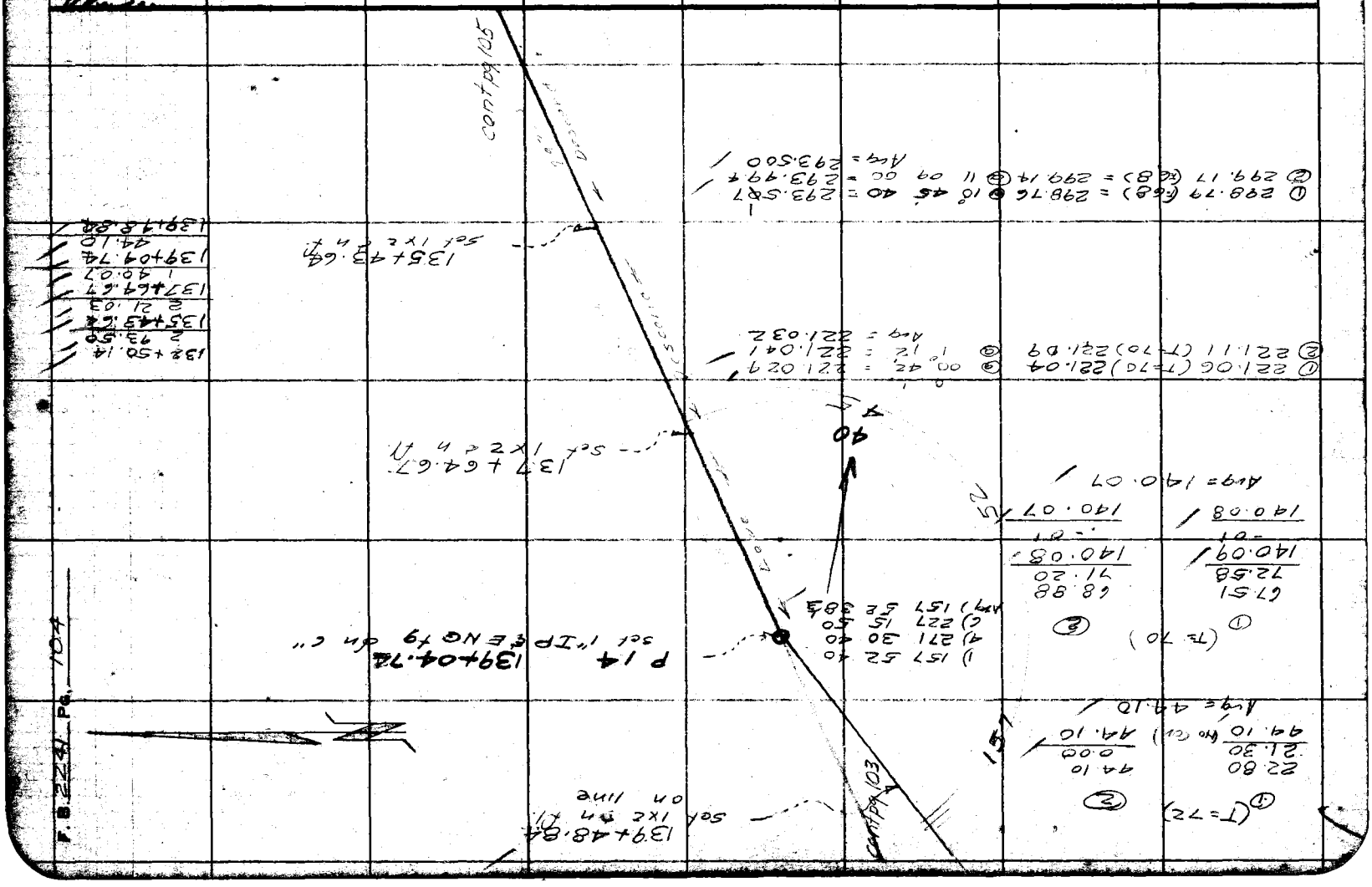

F.B. 2241 PG. 104

76F309S S&E #247 1-56

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Office Work
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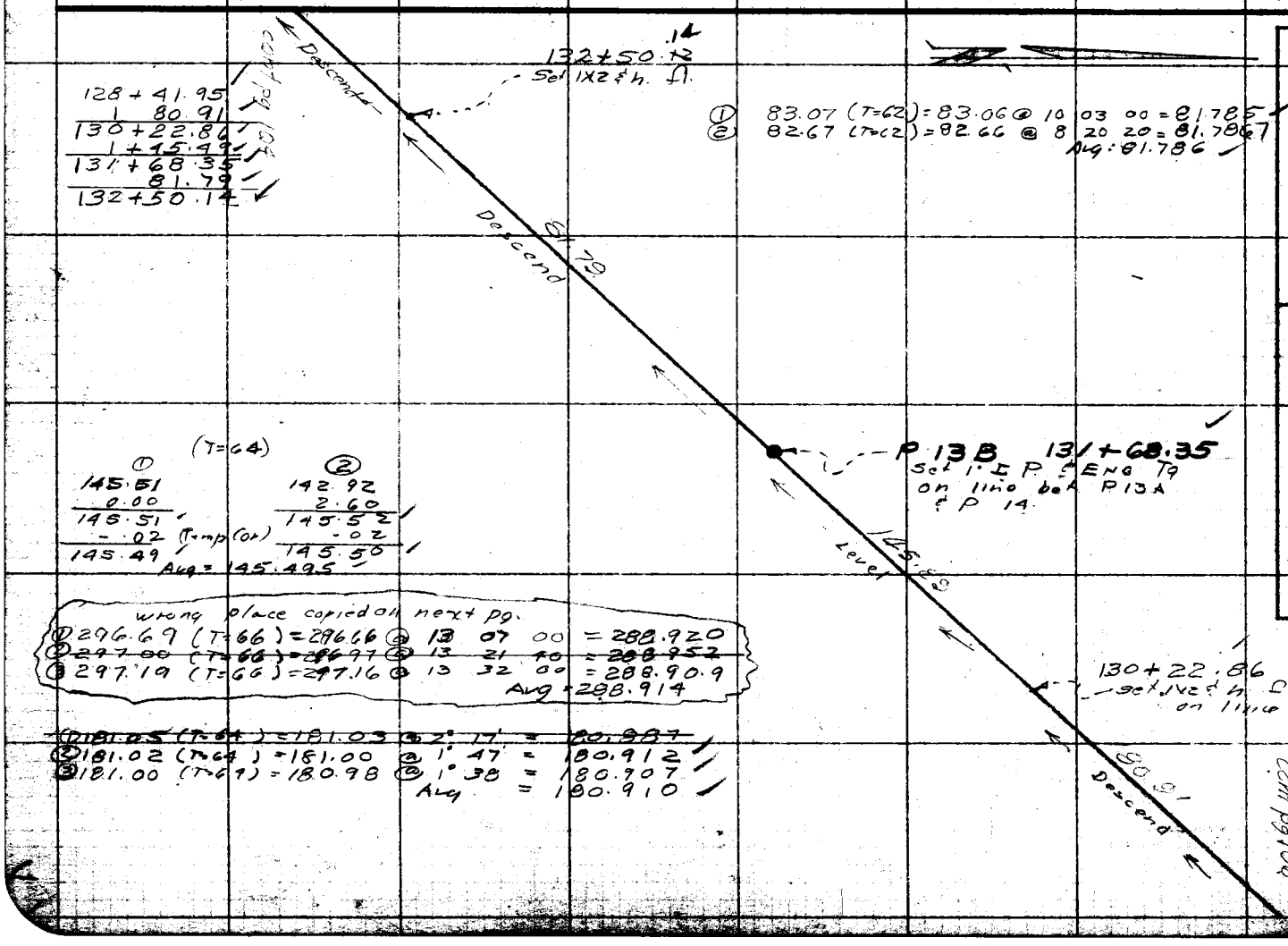
Date

Survey of Los ROBLES AVE
JN 0075.26 Tape 125 Std 84 °F
Surveyed by H. Brown
Notes J. H. B. Date 5-24-57
Indexed R. C. Johnson

F. B. 2241 Pg. 106



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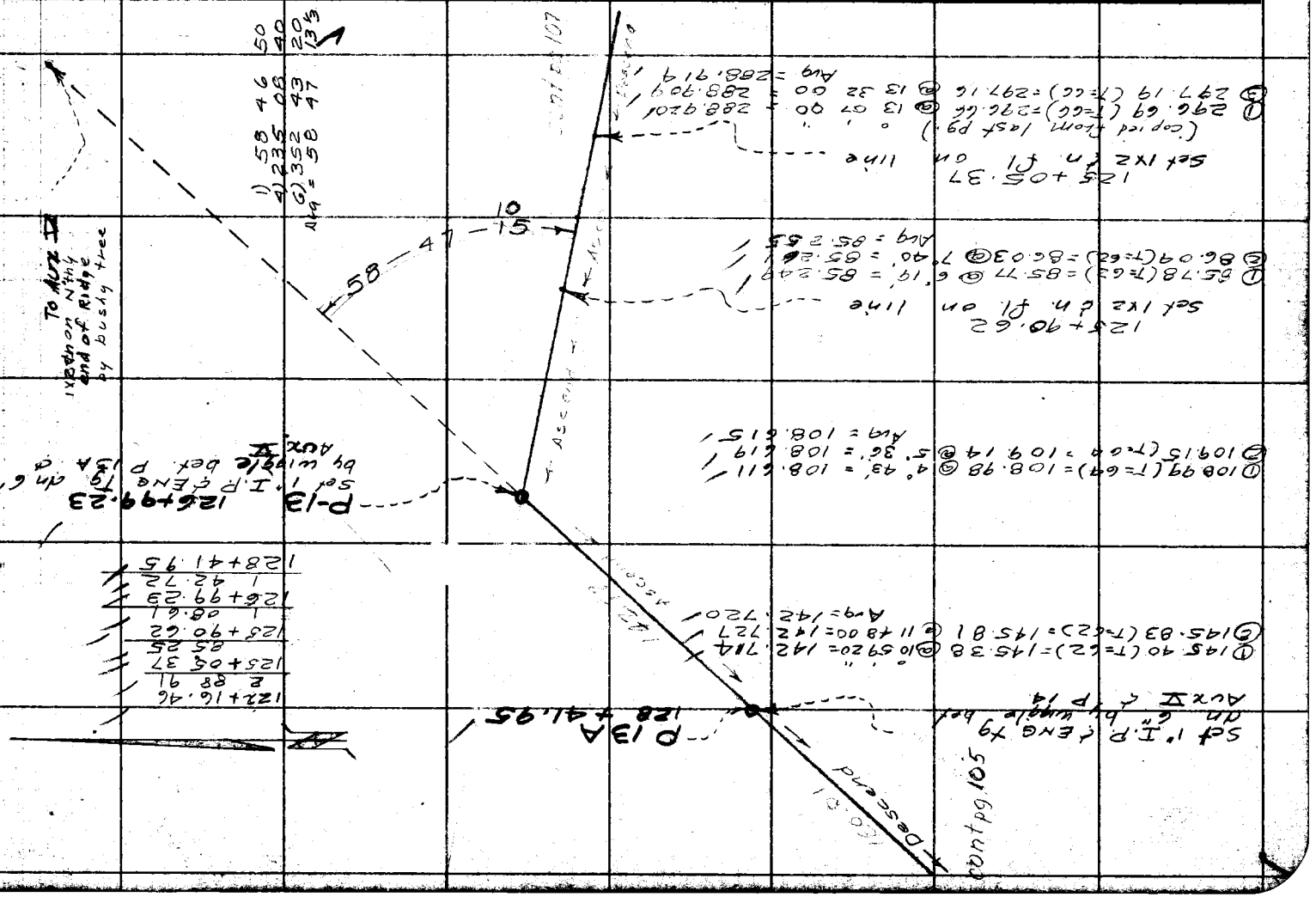
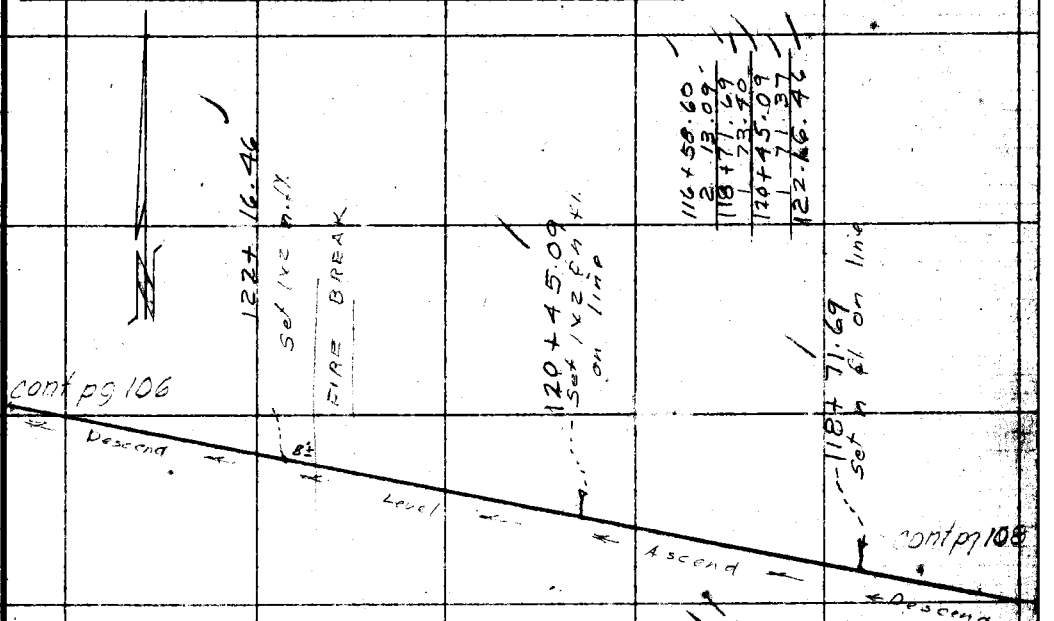
WS.37-C3



Notes Ck'd By J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN 0075-26 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-23-57
Date	Indexed K. C. Johnson

F. B. 2241 Pg. 107



TR 4005

(T=74)

① 163.49
7.89
171.38
-.01 Temp Cor.
171.37
Avg = 171.37

171.38
0.00
171.38
-.01
171.37

180.68 (T=70) = 180.60 @ 16° 13' 20" = 173.409
180.97 (T=70) = 180.95 @ 16 36 40 = 173.398
Avg = 173.403

① 219.09 (T=68) = 219.07 @ 13° 25' 00" = 213.091
② 219.71 (T=68) = 219.69 @ 19 05 00 = 213.086
Avg = 213.088

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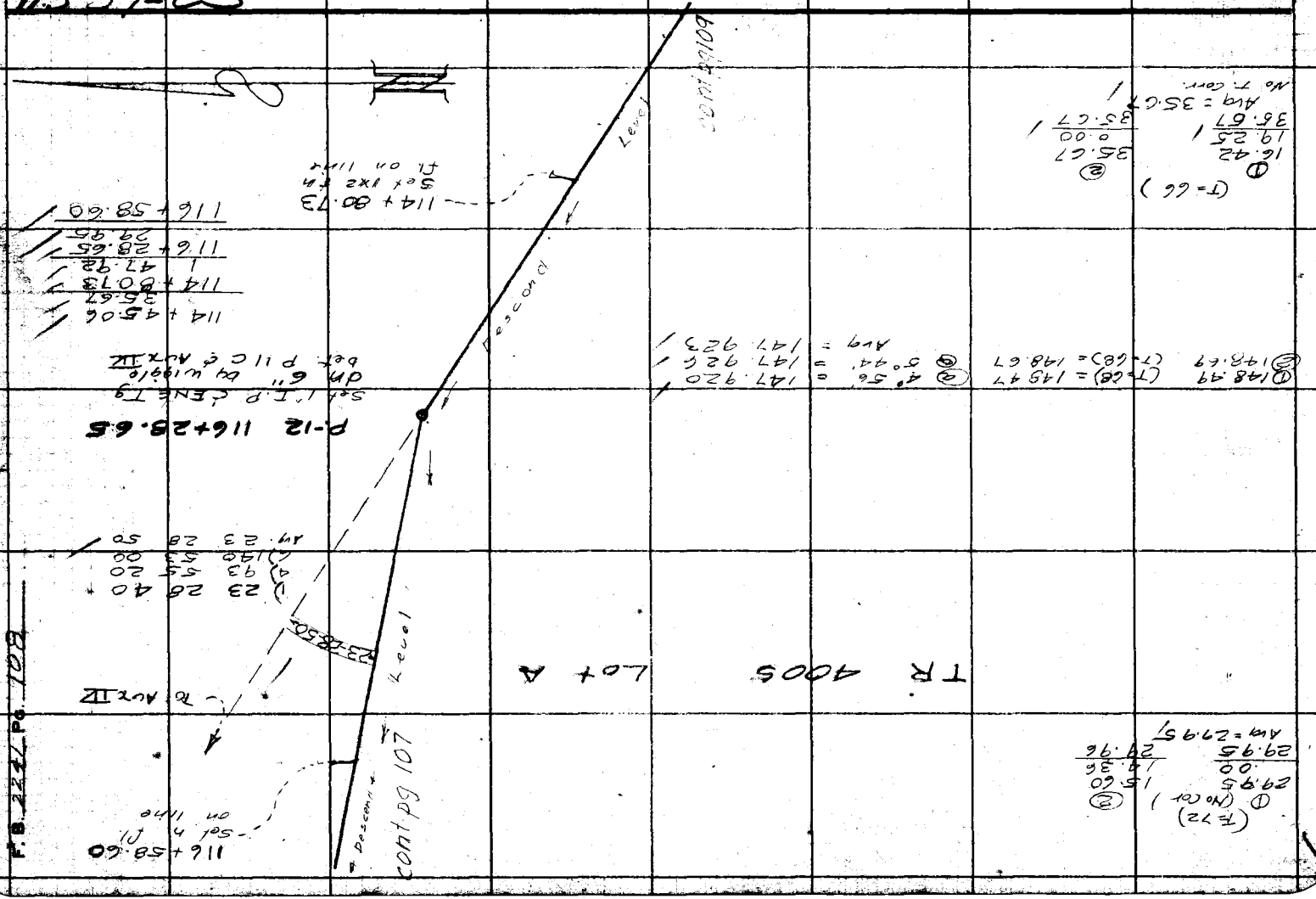
W.S. 37-C3



76F309S S&E #247 1-56

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TR 4005 Lot A

Cont pg 108

Level

114+45.06

P 11-C
Set 1" I.P. & ENG Tg dn 6" on line bet P 11 & Aux IV

① (T = 70) ②
14.21 28.30
14.09 No T. Corr. 0.00
28.30 28.30
Avg. = 28.30

① 68.26 (T=66) = 68.25 @ 10 47 40 = 67.042
68.55 (T=66) = 68.54 @ 12 01 40 = 67.035
Avg. = 67.038

114+16.76
Set 1x2 & n fl. on line

Ascend

① 159.66 (T=66) = 159.64 @ 16° 58' 20" = 152.687
② 160.31 (T=68) = 160.29 @ 17 41 20 = 152.712
③ 160.15 (T=70) = 160.14 17 32 00 = 152.700
Avg = 152.700

113+49.72
Set 1x2 & n fl. on line

111 + 97.02
52.70
113 49.72
67.04
114+16.76
28.30
114+45.06

Ascend

Cont pg 110

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

Survey of Los Angeles Ave
JN 0075-26 Tape 125 Std 84 °F
Surveyed by H. Brown
Notes U.H.B. Date 5-22-57
Indexed J. C. Johnson

F.B. 224 Pg. 104

F.B. 2241 PG. 110

BM.LR.3 → see pg 154

①
40.47 @ 28°29'00" = 35.571
77.37 @ 21°27'40" = 72.024
181.70 @ 21°57'30" = 168.519
88.25 @ 4°13' = 88.011
83.53 @ Level = 83.530
297.88 @ 5°16' = 296.622
24.66 @ Level = 24.660
Total = 768.938
Temp = 102 + 0.090 = Temp cor
769.028

②
39.69 @ 26°21'20" = 35.564
76.97 @ 20°36'20" = 72.096
182.41 @ 22°30'40" = 168.511
88.91 @ 5°25' = 88.020
83.59 @ Level = 83.590
298.00 @ 5°32'30" = 296.607
24.67 @ Level = 24.670
Total 768.958
+ 0.090
Total 769.048

769.015 Avg = 769.037. 769.045
APPLY CORR'N TO SLOPE not HOR.
769.03 OK

① 54.45 (T=62) = 54.44 @ 15°42'00" = 52.409
② 54.91 (T=62) = 54.90 @ 17°19'40" = 52.409
Avg = 52.409

①
24.660
296.622
10.980
332.262 Total
+ .04 Temp cor
332.30 Avg

②
24.67
296.607
10.980
332.257
+ .04
332.30

769.04
44.46
fd 2" I.P.

P 11B 111+97.02
Set 1" I.P. ¢ ENG tg
dn 6"

TR 4005
Lot A
52.41
slide
Ascend

111 + 44.61
Set 1x2 fl on line

① 206.78 (T=66) = 206.76 @ 17°01'40" = 197.697
② 207.61 (T=66) = 207.59 @ 17°45'00" = 197.708
Avg = 197.702

197.70

108 + 07.45
1 39.46
109 + 46.91
1 97.70
111 + 44.61
52.41
111 + 97.02

① (T=60) ②
139.48 / 8.00
0.00
139.48 / 131.49
139.49
-.02 Temp cor / -.02
139.46 / 139.47
Avg = 139.46

109+46.91
Set 1x2 EN fl on line
Crest small sharp ridge

139.46

Drainage — BOTTOM OF CANYON
Level

N

cont pg 109

cont pg 111

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76F3095 S&E #247 1-56

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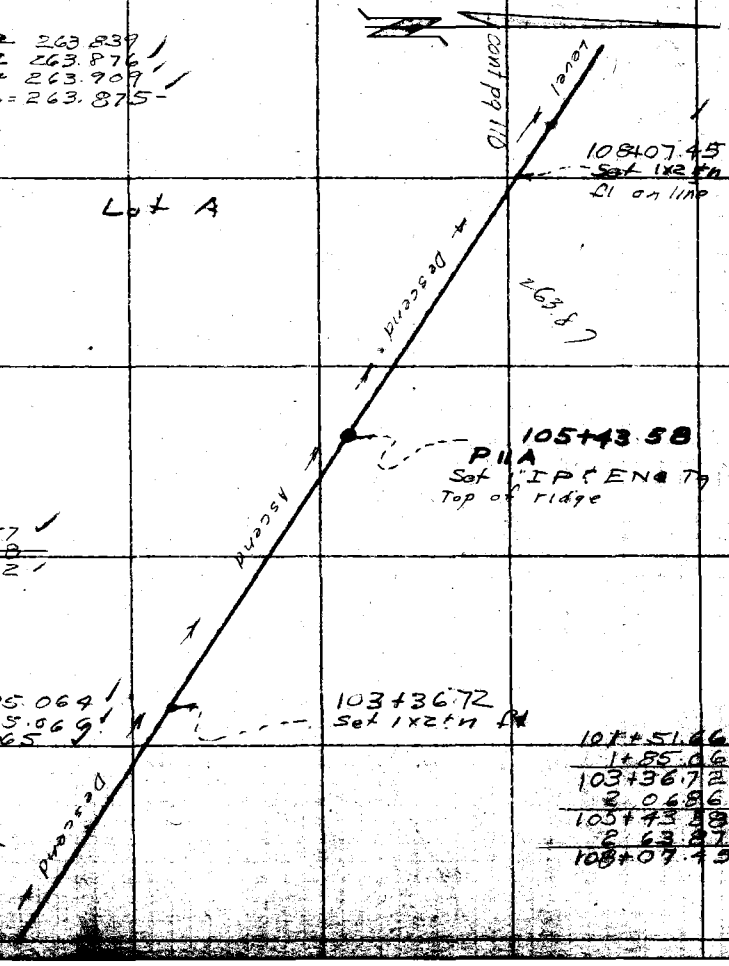
Office Work
Checked
Date

Survey of Los Robles Ave.
JN 0075.26 Tape 125 Std 84 of
Surveyed by [illegible]
Notes J. H. B. Date 5-57
Indexed [illegible] C. Johnson

F. B. 2241 Pg. [illegible]

~~① 299.31 (T=70) = 299.28 @ 28° 10' 00" = 263.839~~ 263.839
② 298.26 (T=70) = 298.23 @ 27 46 20 = ~~263.889~~ 263.876
③ 298.68 (T=70) = 298.65 @ 27 54 40 = ~~263.909~~ 263.909
Avg = ~~263.899~~ Avg = 263.875

TR 4005 Lot A



① 212.76 (T=76) = 212.75 @ 13 31 00 = 206.857
~~② 213.16 (T=76) = 213.15 @ 13 34 00 = 206.908~~
③ 212.86 (T=76) = 212.85 @ 13 37 20 = 206.862
Avg = 206.860

① 197.14 (T=74) = 197.13 @ 20 09 00 = 185.064
② 197.84 (T=74) = 197.83 @ 20 41 40 = 185.069
Avg = 185.065

101+51.66
1+85.06
103+36.72
2 06.86
105+43.58
2 63.87
108+07.45

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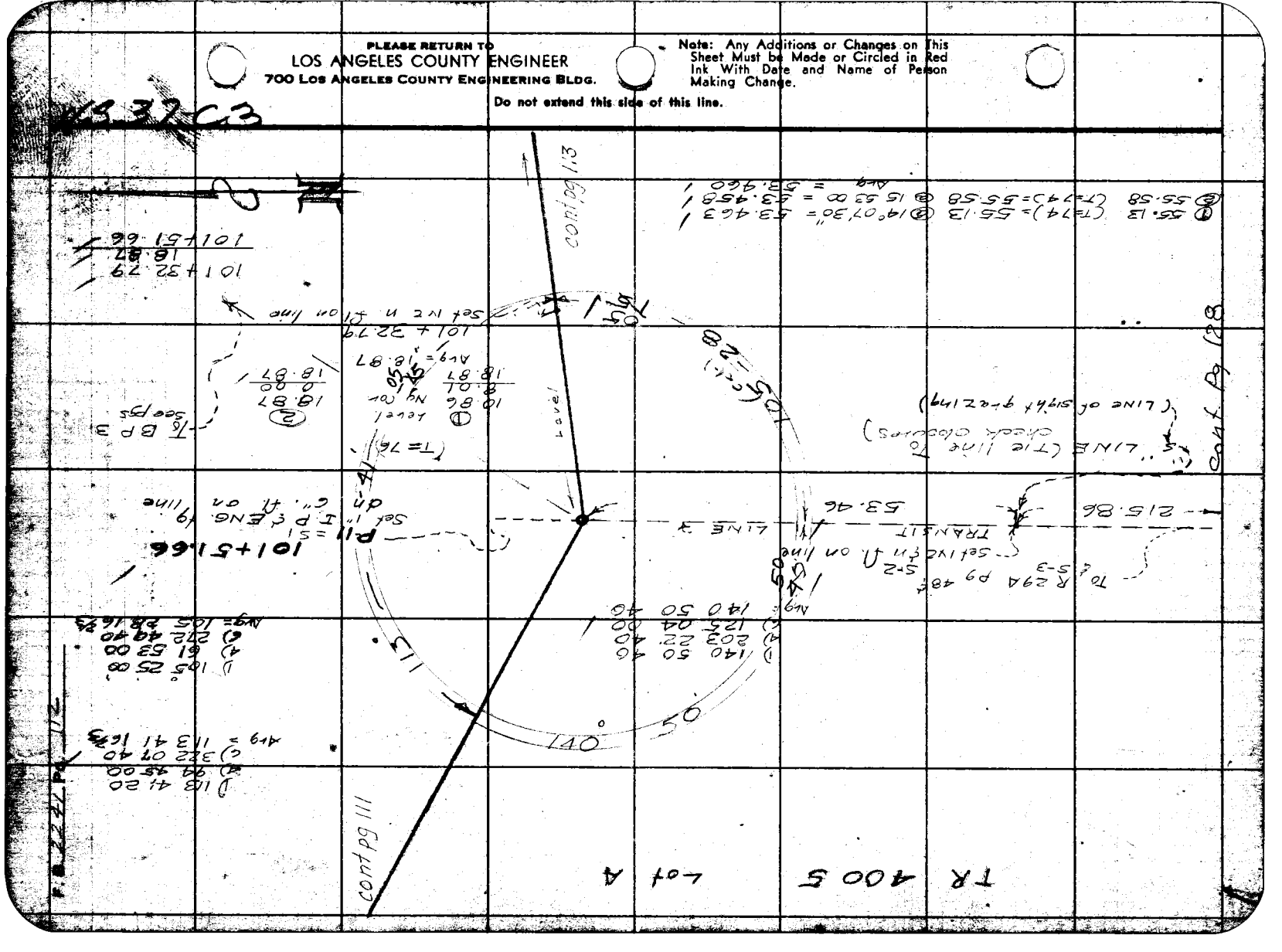

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Survey of Los Robles Ave
JN 0075.26 Tape 125 Std 84 °F
Surveyed by J. H. Brown
Notes J. H. B. Date 5-57
Indexed J. C. Johnson

F. B. 2241 Pg. 179

cont pg 112

N

101 + 32.79 ✓
Set 1x2 & n. fl. on line

① 175.96 (T=76) = 175.95 @ 13° 59' 00" = 170.736 ✓
② 176.48 (T=76) = 176.47 @ 14 34 20 = 170.793 ✓
~~③ 176.08 (T=76) = 176.17 @ 14 08 00 = 170.837~~ ✓
④ 176.49 (T=76) = 176.48 @ 14 37 20 = 170.764 ✓
Avg = 170.764 ✓

① 237.64 (T=66°) = 237.61 @ 3° 51' = 237.074 ✓
② 237.78 (T=66) = 237.75 @ 4° 21' = 237.065 ✓
Avg = 237.070 ✓

99 + 62.03
Set 1x2 & n fl. on line

① 47.15 (T=72°) = 47.15 @ 32° 22' 40" = 39.820 ✓
② 47.89 (T=72°) = 47.89 @ 33 44 00 = 39.827 ✓
Avg = 39.824 ✓

TR 4005
Lot A

P-10A 97 + 24.96
Set 1" I.P. & ENG. tg dn 6 on line

96+85.14 ✓
39.82 ✓
97+24.96 ✓
2 37 07 ✓
99+62.03 ✓
1 70.76 ✓
101 32.79 ✓

cont pg 114

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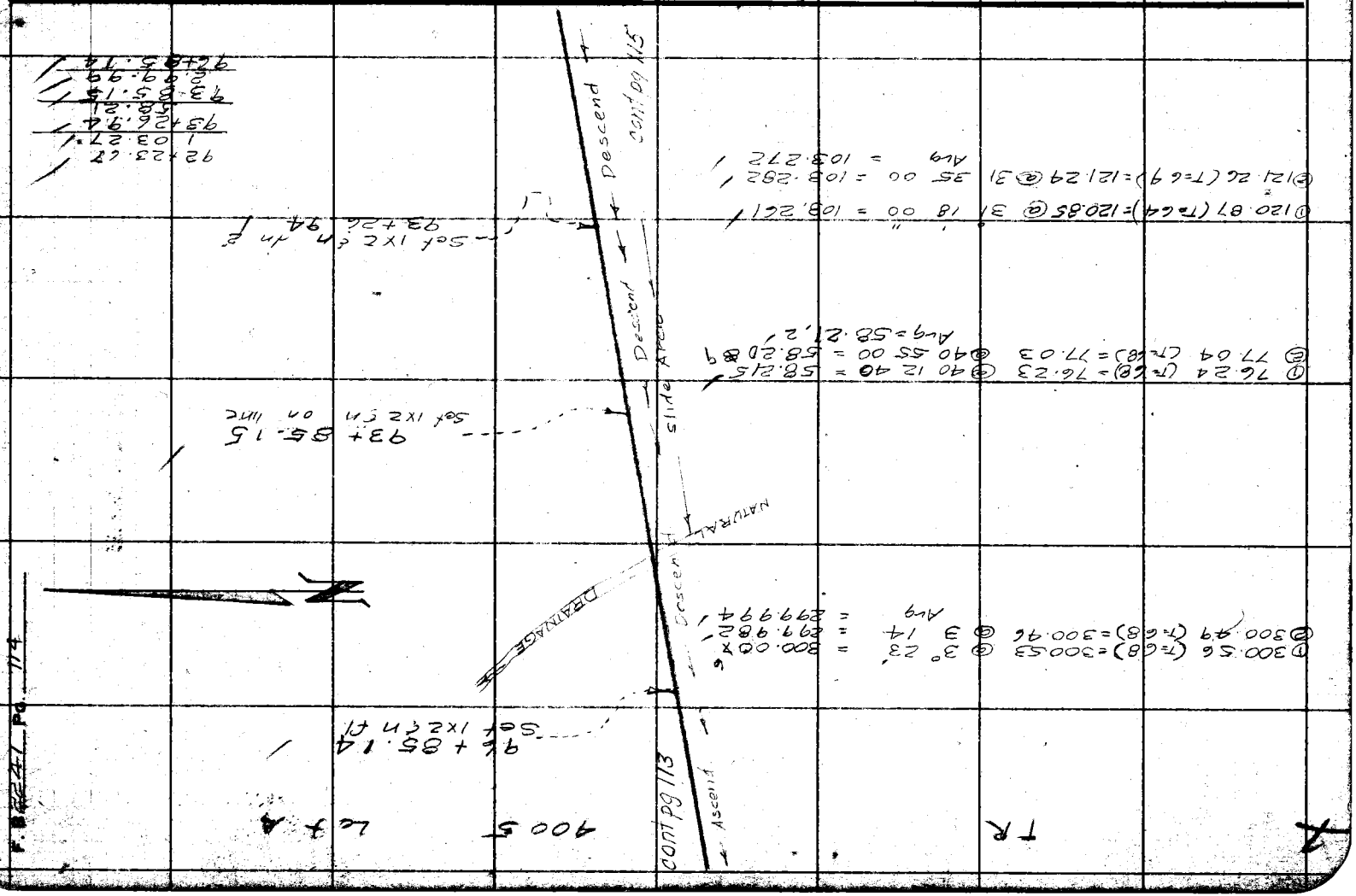
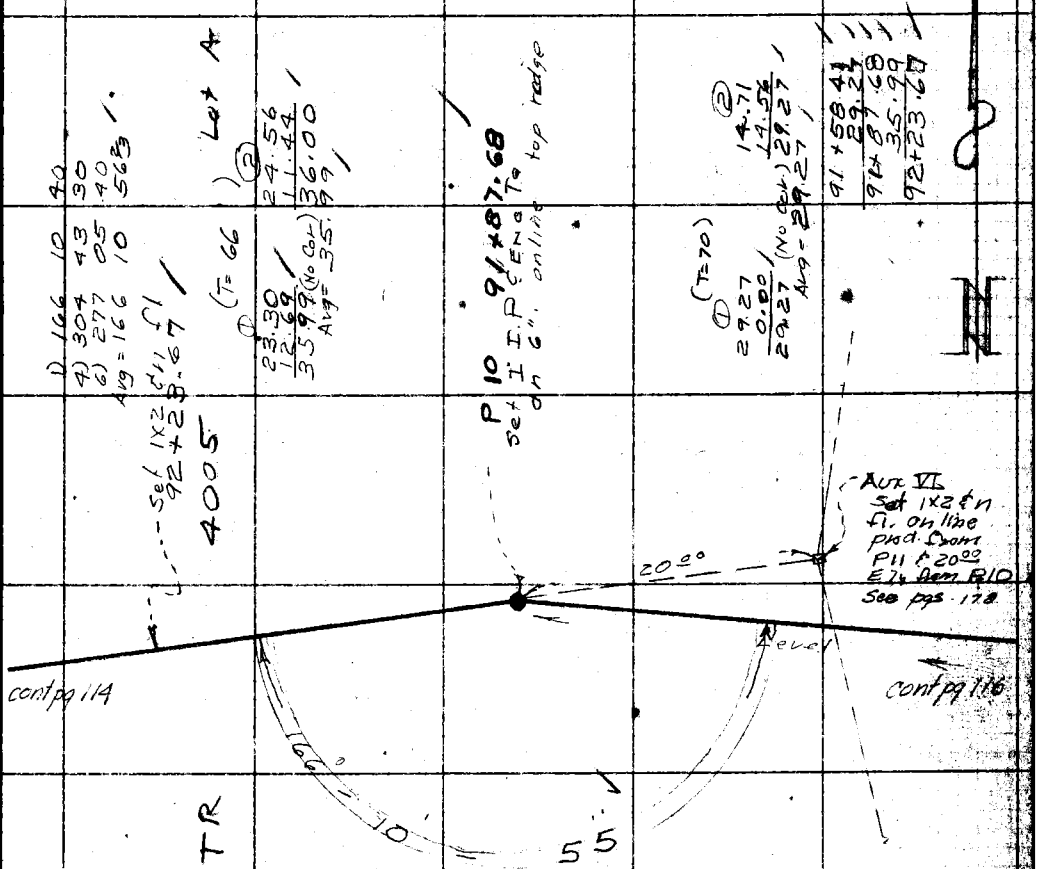
F. B. 62247 Pg. 114



Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN 0075-26 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-20-57
Date	Indexed E. C. Johnson

F. B. 2241 Pg. 115

W537-C3



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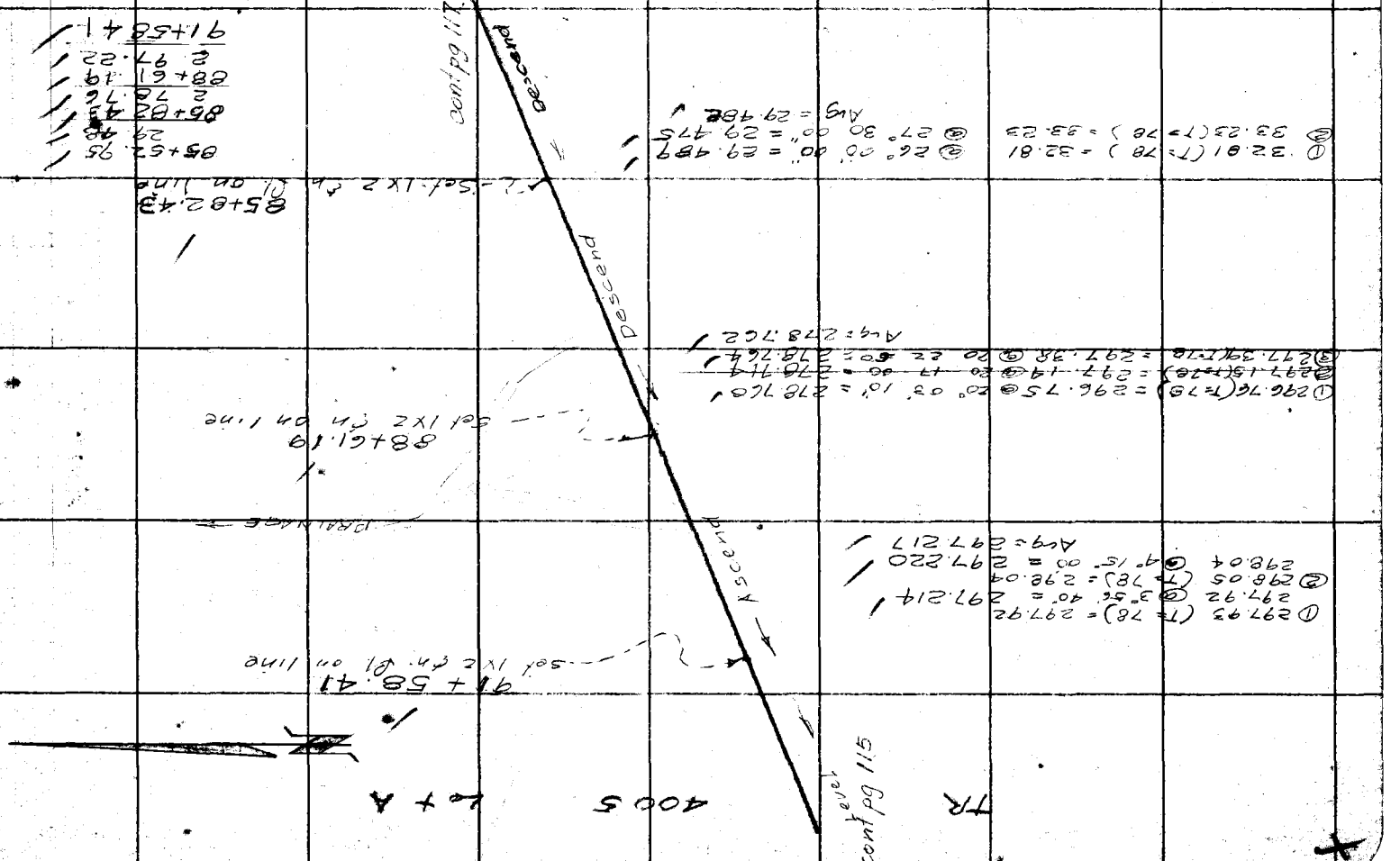
F. B. 2224 Pg. 116



① 296.76 (T= 78) = 296.75 @ 20° 03' 10" = 278.760
② 297.19 (T= 78) = 297.14 @ 20° 17' 00" = 278.714
③ 277.39 (T= 78) = 297.38 @ 20° 22' 00" = 278.264
Acq = 278.762

① 297.93 (T= 78) = 297.92
② 298.05 (T= 78) = 298.04
297.92 @ 3° 56' 40" = 297.214
@ 4° 15' 00" = 297.220
Acq = 297.217

① 32.81 (T= 78) = 32.81
③ 33.23 (T= 78) = 33.23
@ 26° 30' 00" = 29.487
@ 27° 30' 00" = 29.475
Acq = 29.486

Soil Ixz Cn on line

76F3098 S&E #247 1-56

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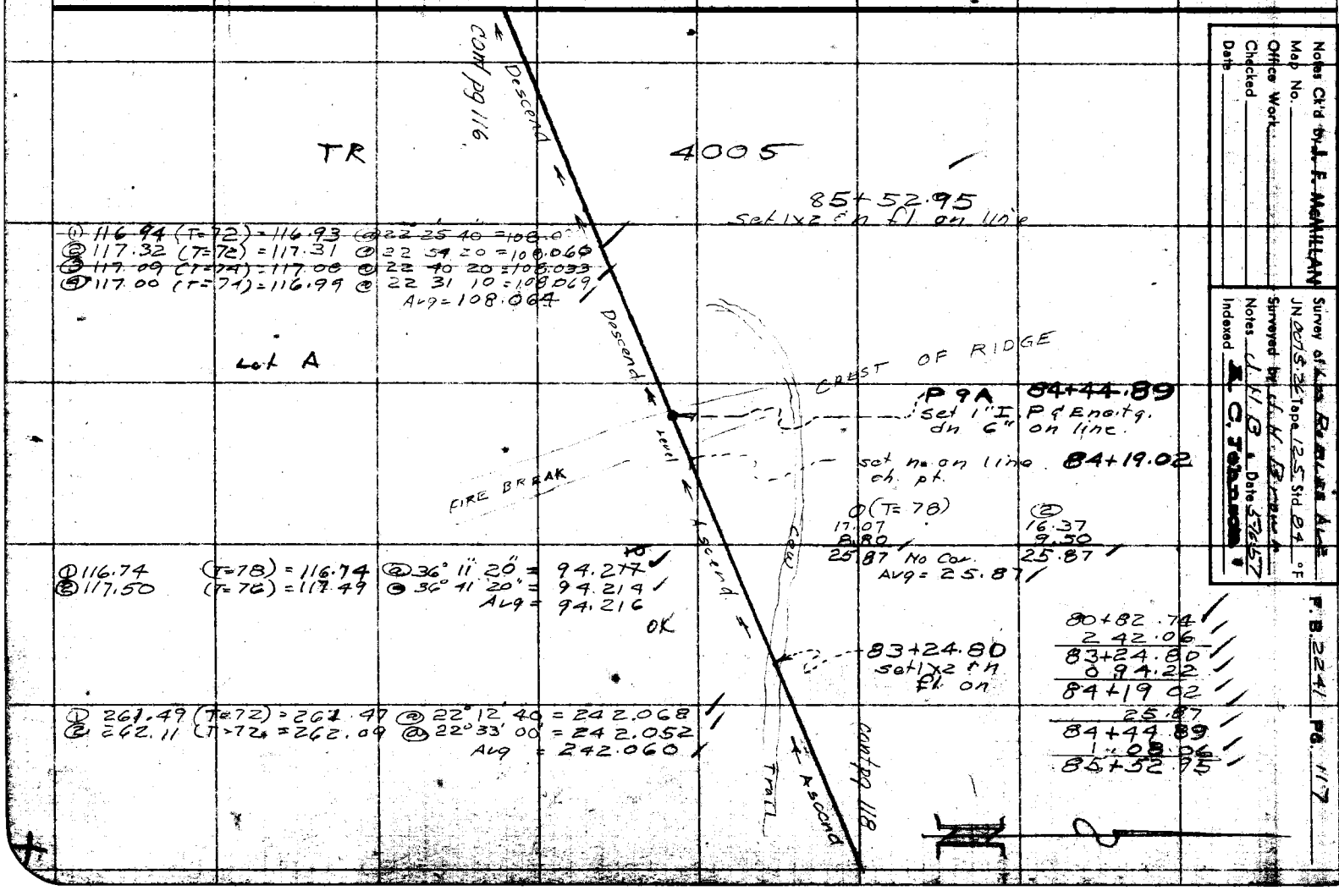
Office Work
Checked
Date

Survey of Los Angeles Ave
JN 0075.26 Tape 125 Std 84 °F
Surveyed by J. H. Brown
Notes J. H. B. Date 5-26-57
Indexed E. C. Johnson



P. B. 2241 Pg. 117

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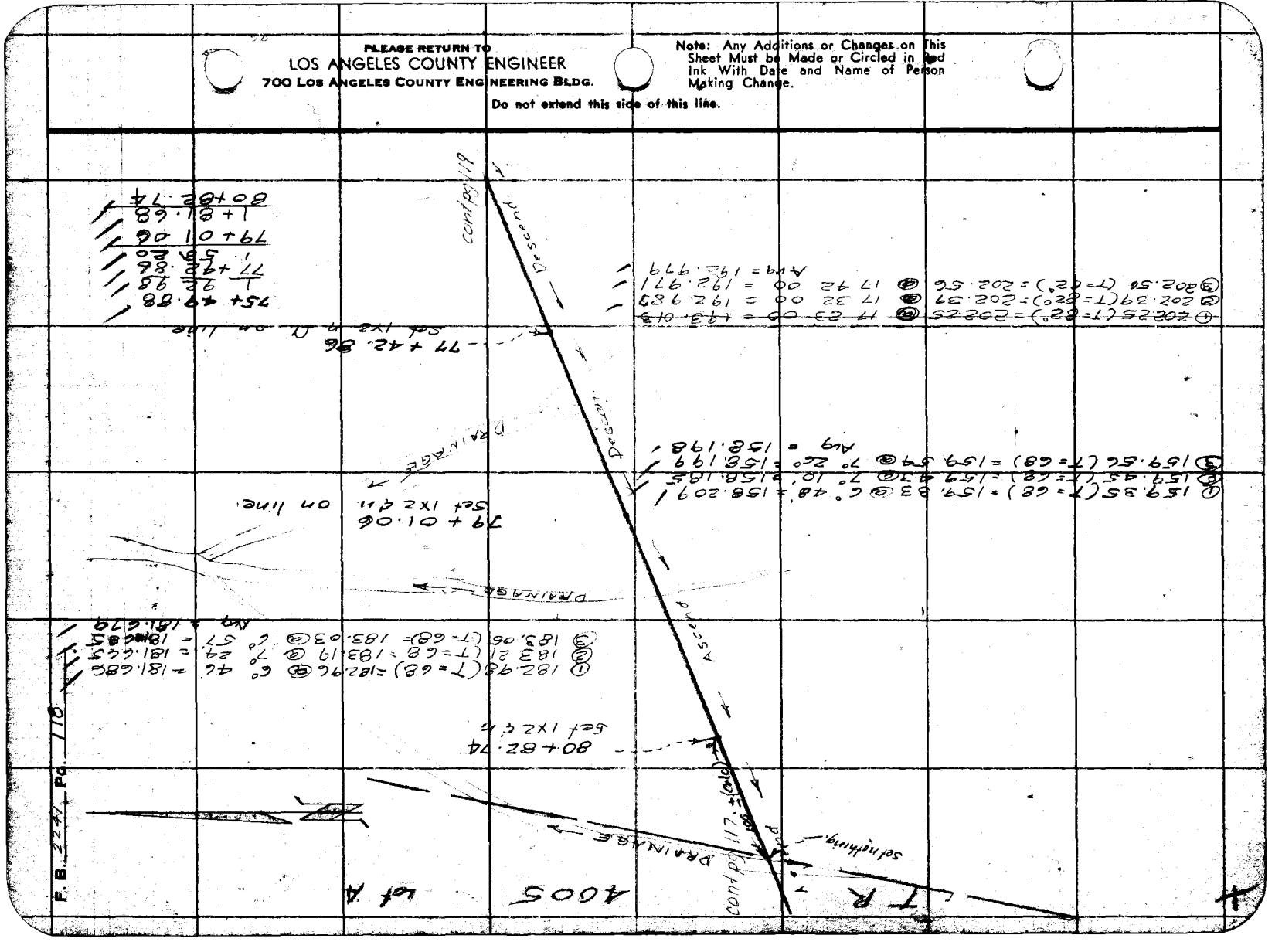

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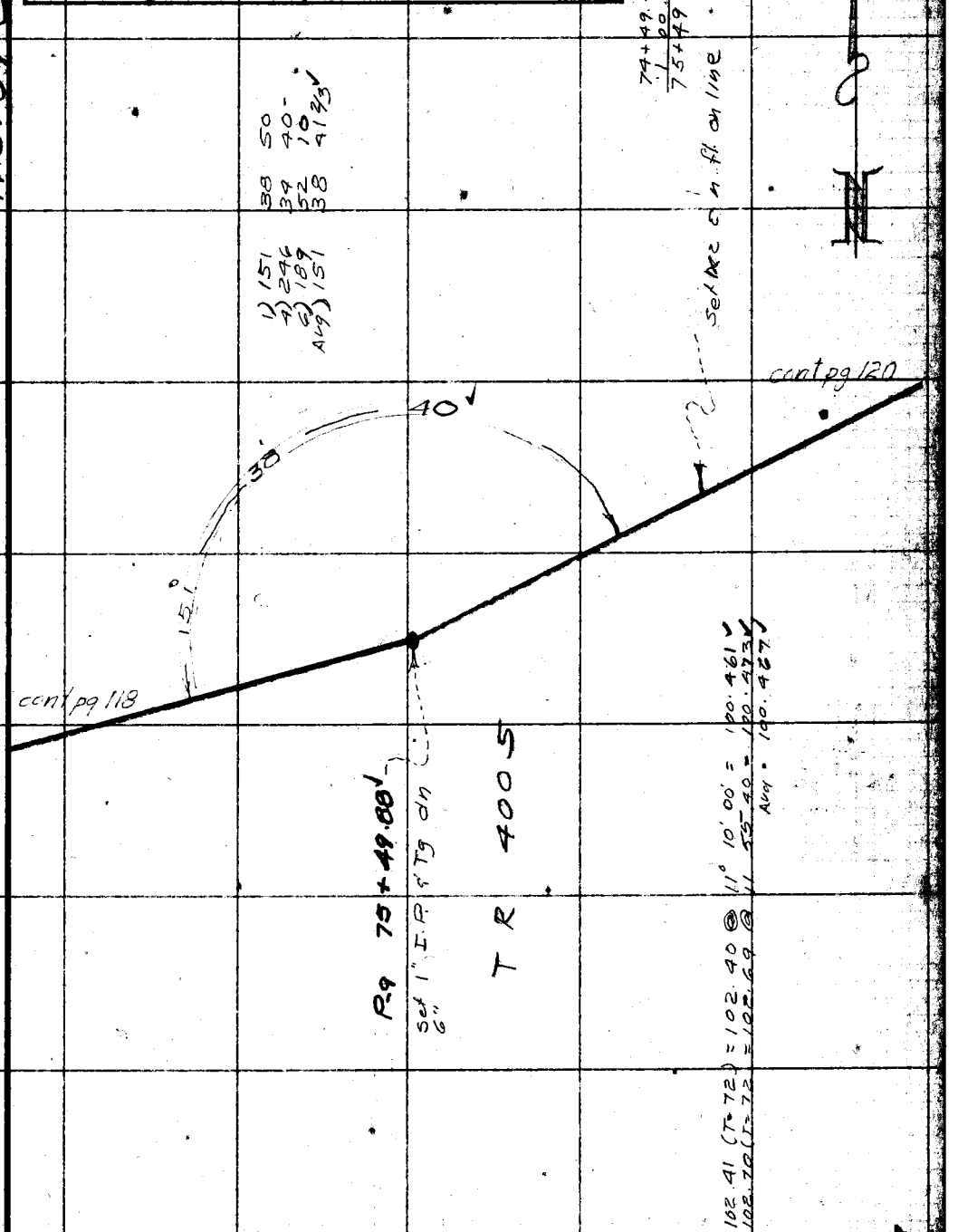
Map No.	JN 0075 26 Tape 125 Std 84 °F.
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5-57
Date	Indexed A. C. Johnson

F. B. 2241 PG. 119

W.S. 37-C3



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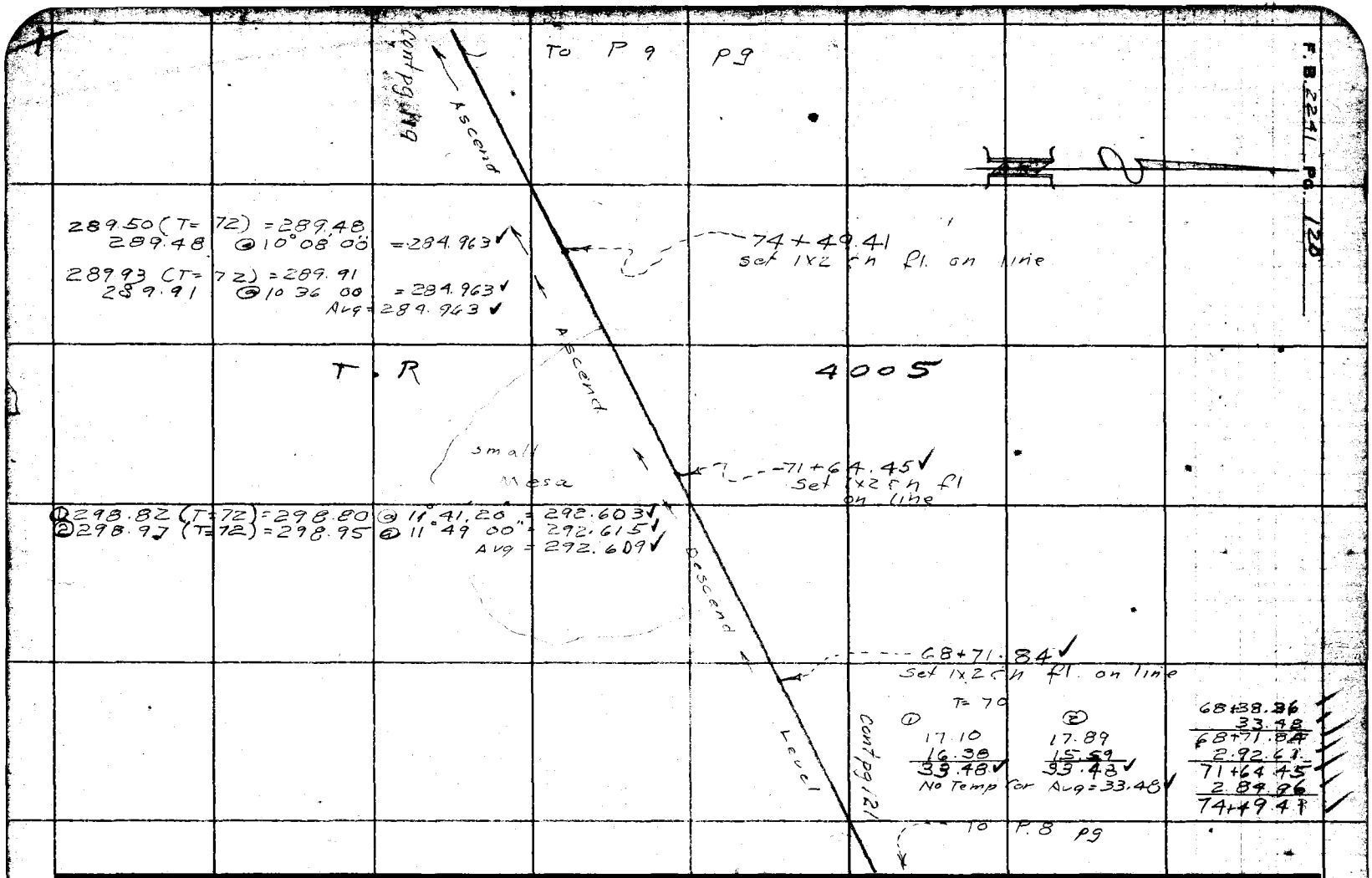

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W.S. 37-D3

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Date

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JN 0075.26 Tape 125 Std 84 °F
Surveyed by J. H. [illegible]
Notes J. H. R. Date 5-57
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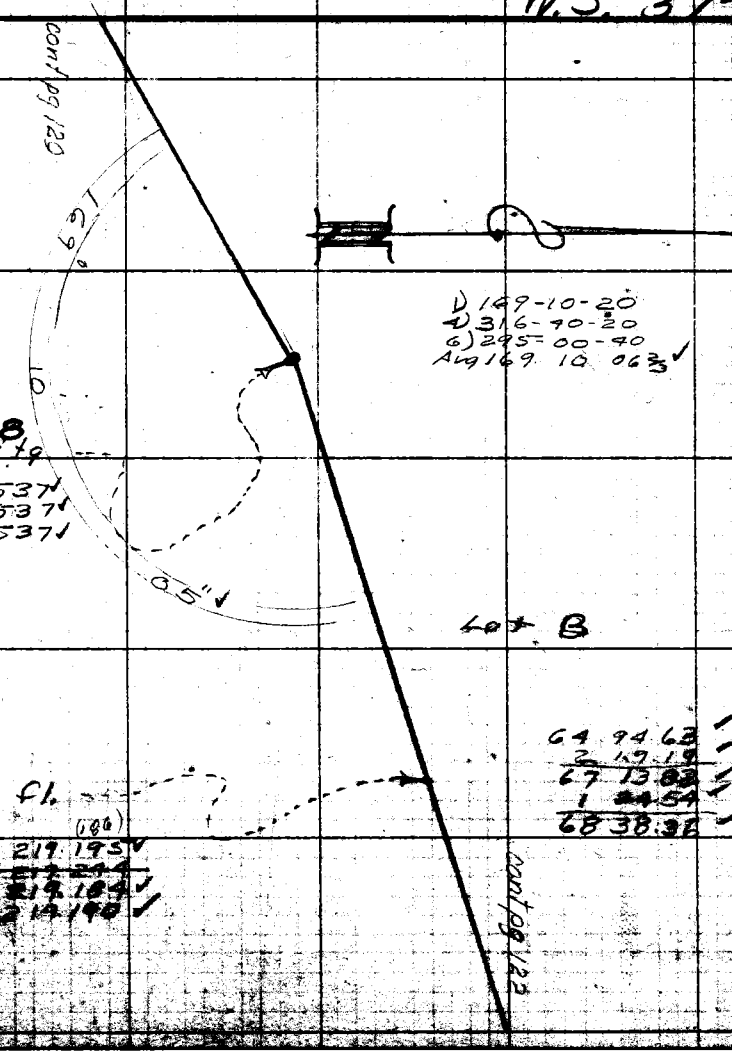
F. B. 2241 Pg. 121



1) 169-10-20
4) 316-40-20
6) 295-00-40
Avg 169 10 06 2/3

68+38.36' P8
Set 1" I.P. conc. plg c/tg
dn 6"
① 126.20 (T=68) = 126.19 @ 9° 17' = 124.537
② 126.52 (T=68) = 126.51 @ 10° 08' = 124.537
Avg = 124.537

TRACT 4005

Lot B

64 94.63
2 19.19
67 13.82
1 24.54
68 38.36

67+13.82' Set 1x2 ℄ fl.

(186)
① 219.39 (T=70) = 219.37 = 2° 10' = 219.195
~~② 219.44 (T=70) = 219.42 = 2° 18' = 219.244~~
③ 219.46 (T=68) = 219.44 = 2° 46' = 219.184
Avg = 219.190

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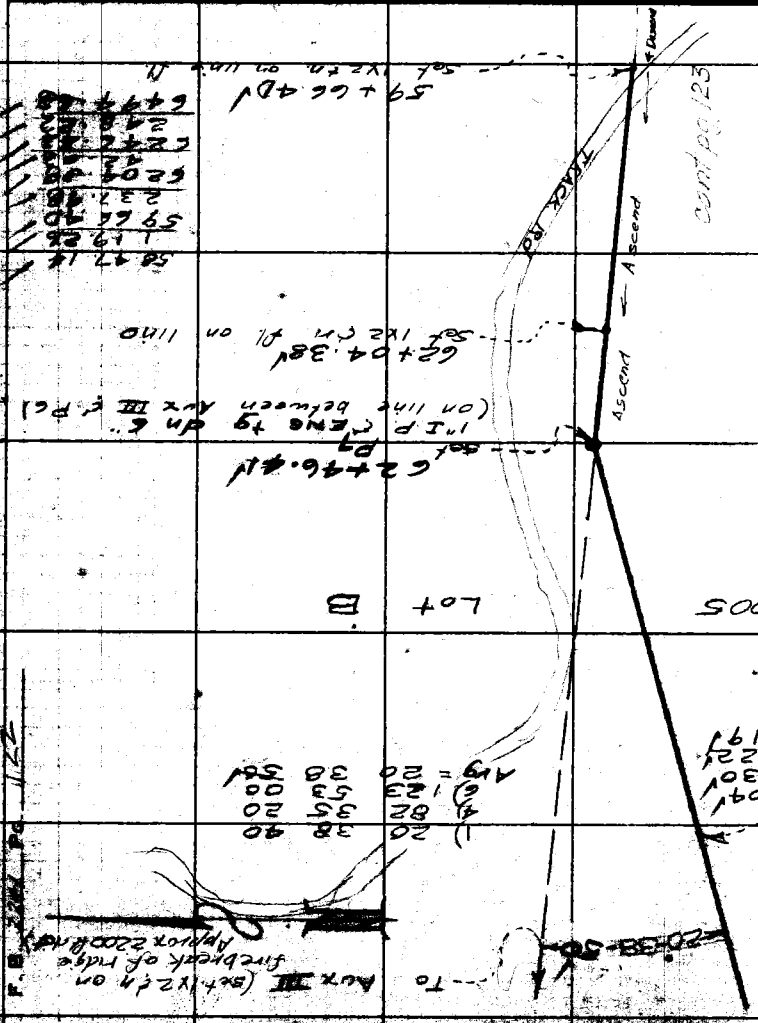
W.S. 37-03



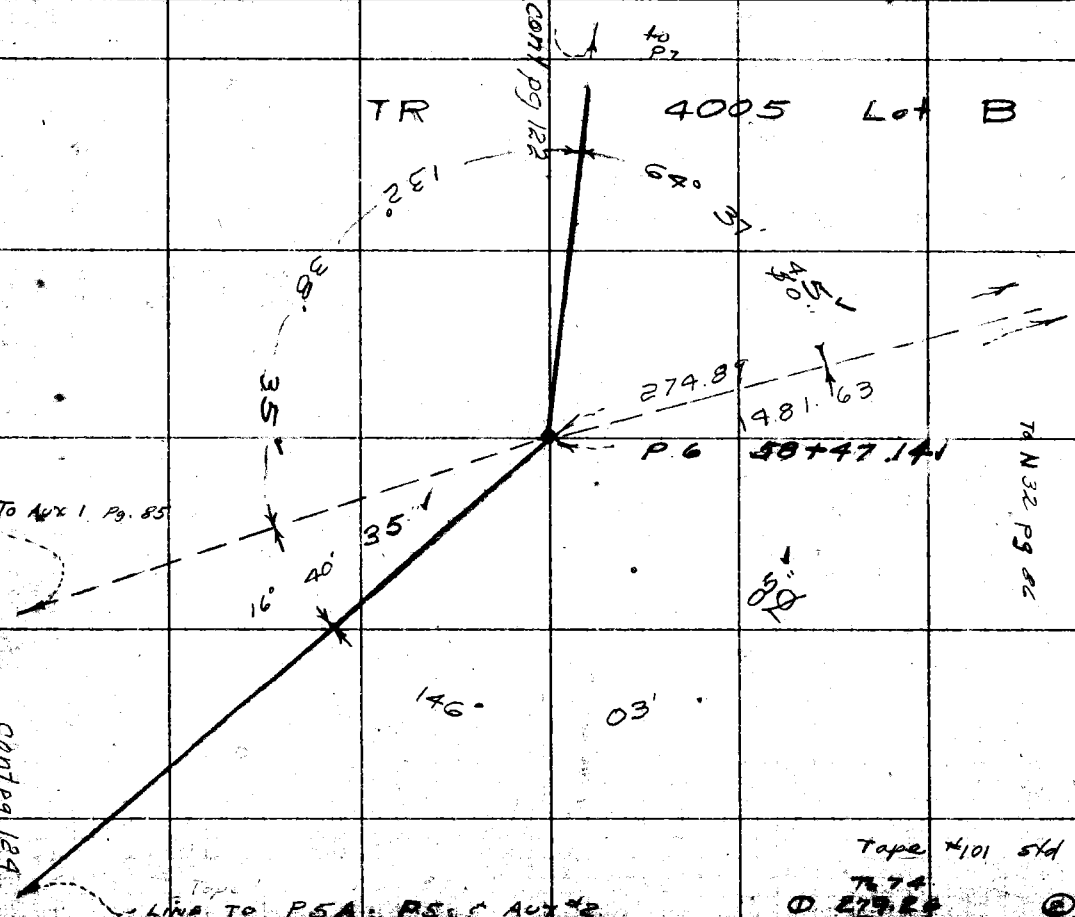
Notes Ck'd by J. E. McMILLAN	Survey of Los Robles Ave
Map No.	JN 0075-26 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 5 57
Date	Indexed A. C. Johnson

F. B. 2241 Pg. 14

WS 37-03

1) 146 03 00
4) 224 12 40
6) 156 19 00
Avg 146 03 10

1) 16 40 40
4) 66 42 20
6) 100 03 50
Avg. 16 40 38½



1) 132 38 40
4) 170 34 20
6) 75 51 20
Avg 132 38 33½

1) 64 38 00
4) 258 31 20
6) 27 47 00
Avg 64 37 50

Tape #101 Std @ 84°

To N 32 pg 86

4005 Lot B

TR

cont pg 122

cont pg 124

To Aux 1 Pg. 85

Line to P5A; P5; & Aux #2

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F.B. 2262 Pg. 124

cont pg 123

WS 37+03

52+98.96
2 10.91
55 09.87

55+09.87
Set 1x2 cm ft.
(wiggle pt.)

T=74

①	②
89.59	90.58
121.33	120.35
210.92	210.93
-01	-01
210.91	210.92

Avg = 210.91

PSA

52+98.96
Set 1" I.P. cem plg ℄ LA Co Eng tg dn 6" on line between PSA ℄ Aux #2

PS 45+68.77

Set 1" I.P. cem plg ℄ LA Co Eng tg dn 6", on line between PSA ℄ Aux #2

Lot 8 TR 4005

(Less) (T= 76)

①	②
16.85	30.99
MAS	0.00
31.00 No Temp Cor.	30.99

Avg = 30.99

3)	153	45	40
4)	253	02	00
5)	202	33	00
Avg	153	45	30

① 298.20 (T= 76) = 298.18
298.18 @ 2° 44' = 297.840

② 298.30 (T=76) 298.28
298.28 @ 3°02' = 297.862

③ 298.15 (T=76) = 298.13
298.13 @ 2° 30' = 297.823

Avg = 297.842

① 270.86 (T= 78) = 270.85
270.85 @ 3°49' = 270.249

② 270.98 (T=78) = 270.97
270.97 @ 4° 08' = 270.265

Avg = 270.257

①	132.14	(T=76) = 133.13		41.06.49	
②	133.13	10 02 40		4 62.28	
③	133.45	(T=76) = 133.44		45 68.77	cont pg 125
④	133.44	10 [illegible] 40		2 97.84	
⑤	132.61	(T=76) = 133.60 @ 11° 05' 00"		2 70.26	
				1 31.10	
				30.99	
				58+98.96	

131.090

131.108

131.108 Avg = 131.102

Lot 8 TR 4005

Set 1x2 cm ft. 12.4' ± Aux #2 on ridge

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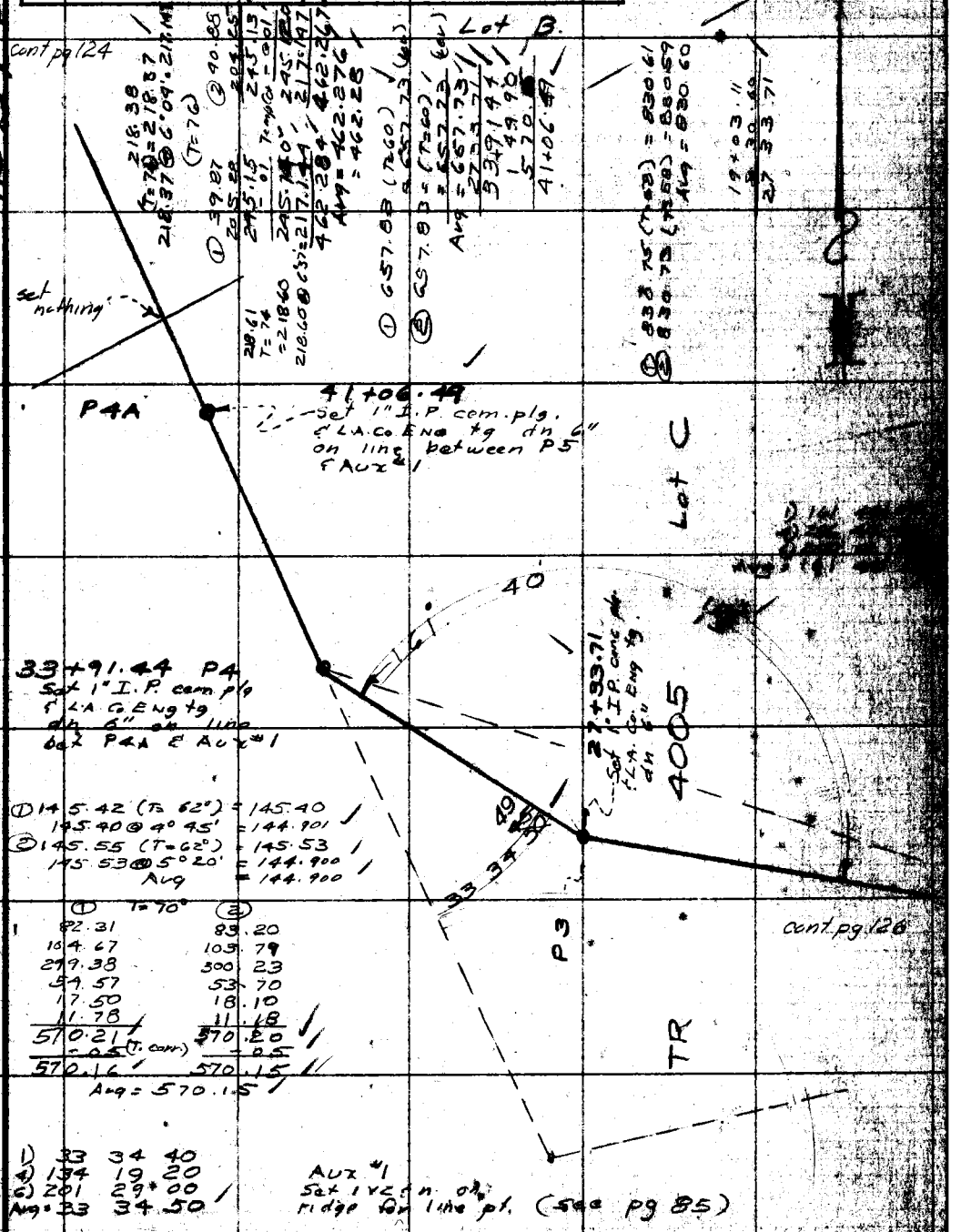
Map No.	JN 0075.26 Tape 125 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes J.H.B. Date 5-57
Date	Indexed E. C. Johnson



① 145.42 (T = 62°) = 145.40
145.40 @ 4° 45' = 144.901
② 145.55 (T = 62°) = 145.53
145.53 @ 5° 20' = 144.900
Avg = 144.900

① T = 70°	②
82.31	83.20
104.67	103.79
299.38	300.23
54.57	53.70
17.50	18.10
11.78	11.18
570.21	570.20
-.05 (T. corr)	-.05
570.16	570.15

Avg = 570.15

1) 33 34 40
4) 134 19 20
6) 201 29 00
Avg = 33 34 50

Aux #1
Set 1 1/2 in. on ridge for line pt. (see pg 85)

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76F3095 S&E #247 1-56

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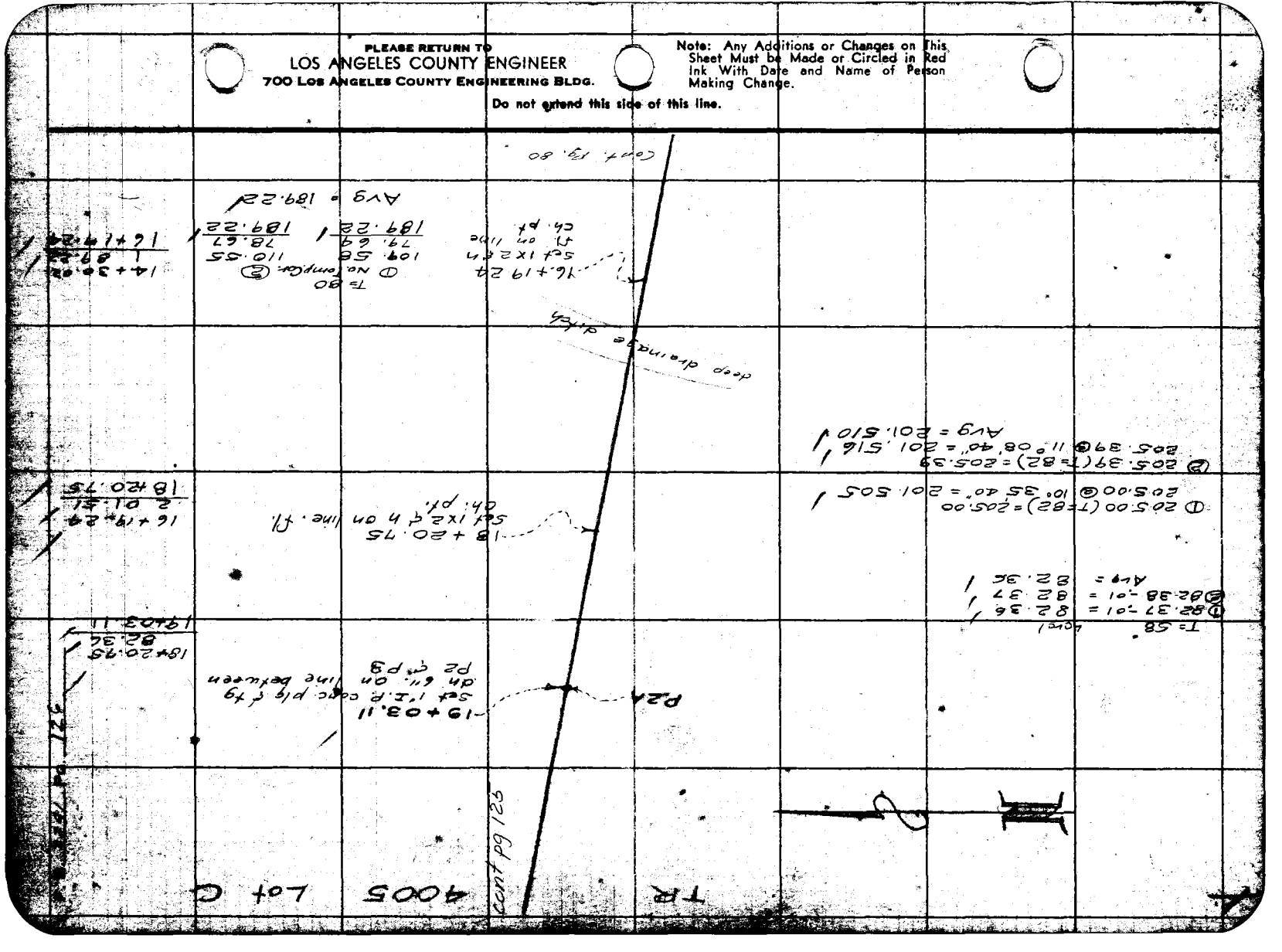
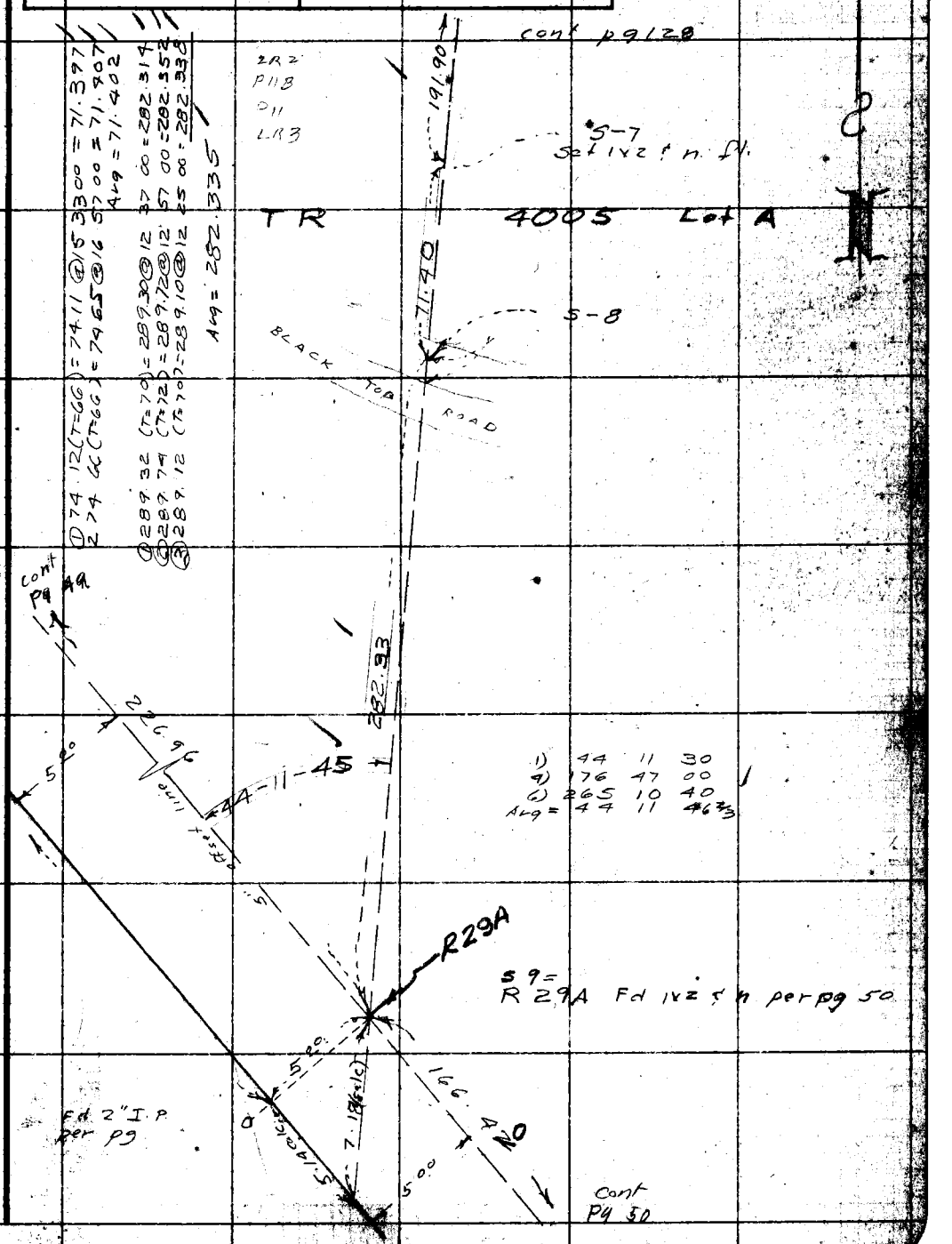


Notes Ck'd by J. F. McMILLAN	Survey of Los Robles Ave
Map No.	JN0075.26 Tape 125 Std 84 °F
Office Work	Surveyed by J. N. Brown
Checked	Notes J. H. B Date 5-22-27
Date	Indexed A. C. Johnson

F. B. 2241 Pg. 127



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 S&E #247 1-56

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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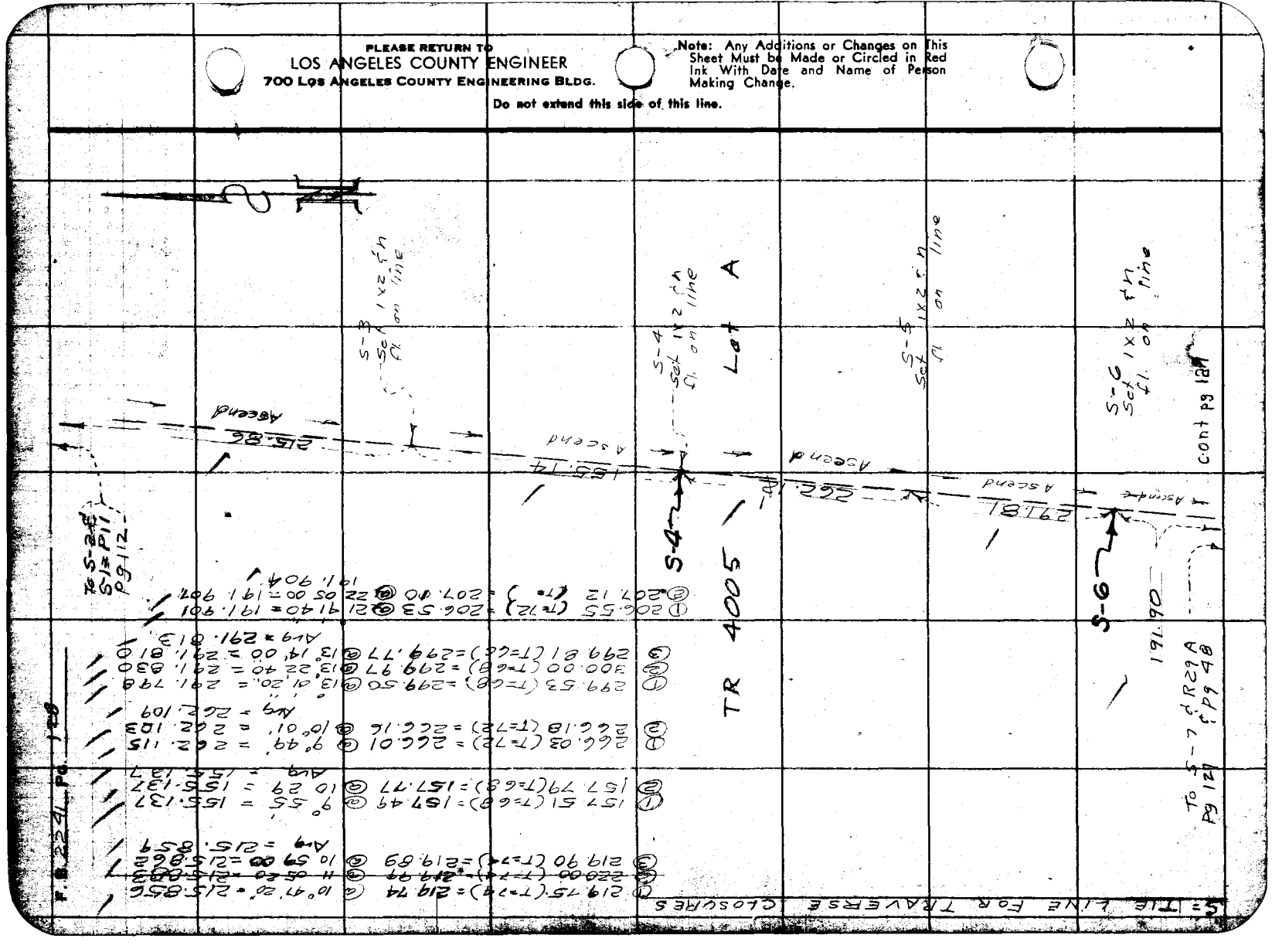
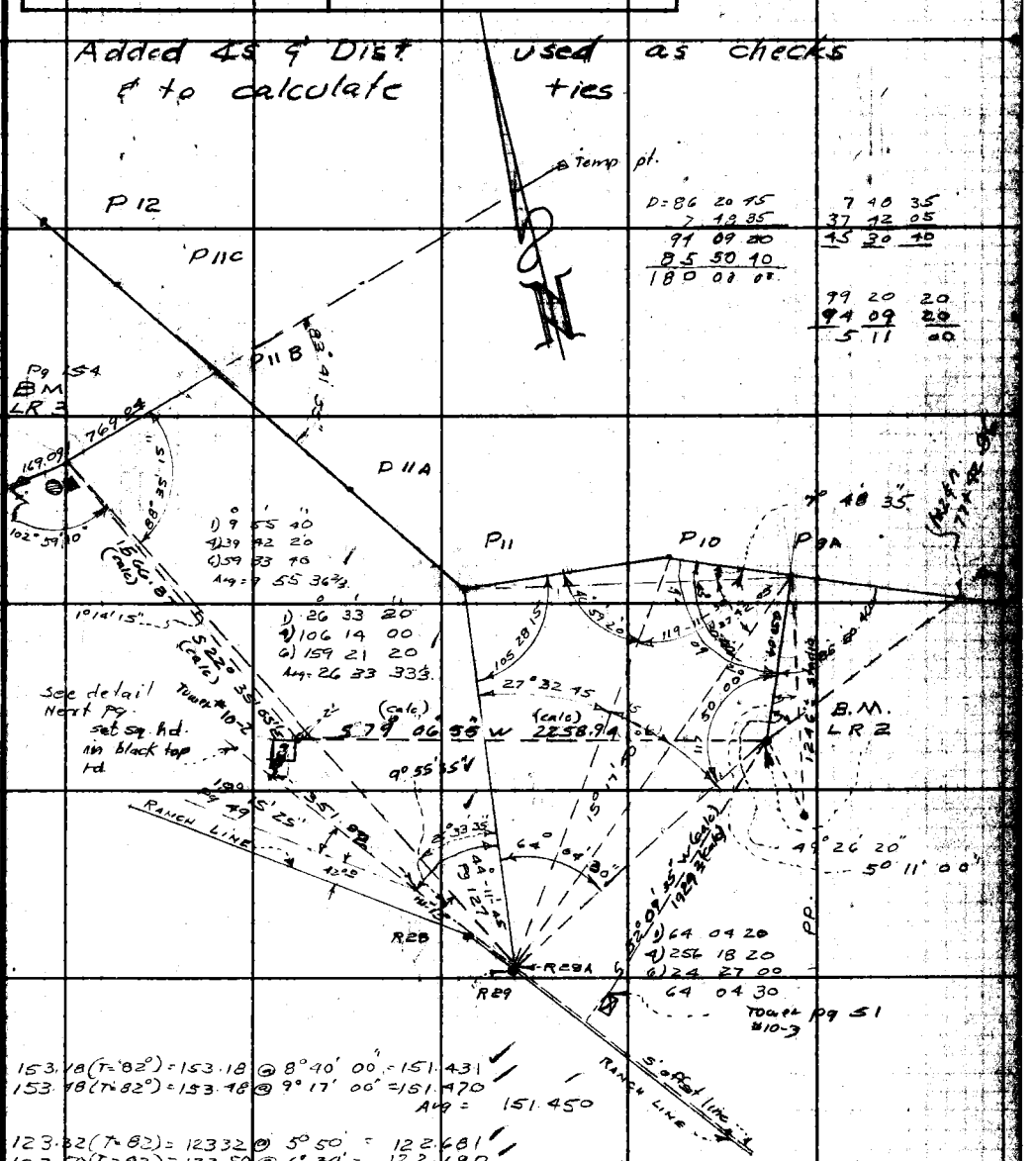


Notes Ck'd by J. F. McMILLAN	Survey of LOS ROBLES AVE.
Map No.	JN 0075.26 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 7-57
Date	Indexed K. C. Johnson

F. B. 2241 PG. 129

Added 45 ¢ Dist used as checks & to calculate ties



D = 86 20 45
7 48 35
94 09 20
85 50 40
180 00 00

7 48 35
37 42 05
45 30 40

99 20 20
94 09 20
5 11 00

153.18 (T = 82°) = 153.18 @ 8° 40' 00" = 151.431
153.48 (T = 82°) = 153.48 @ 9° 17' 00" = 151.470
Avg = 151.450

123.32 (T = 82) = 123.32 @ 5° 50' = 122.681
123.50 (T = 82) = 123.50 @ 6° 34' = 122.690
Avg = 122.686

① T = 82 (Level) ②

39.52
38.18
77.70

40.19
37.51
77.70

Avg = 77.700
351.836

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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 S&E #247 1-56

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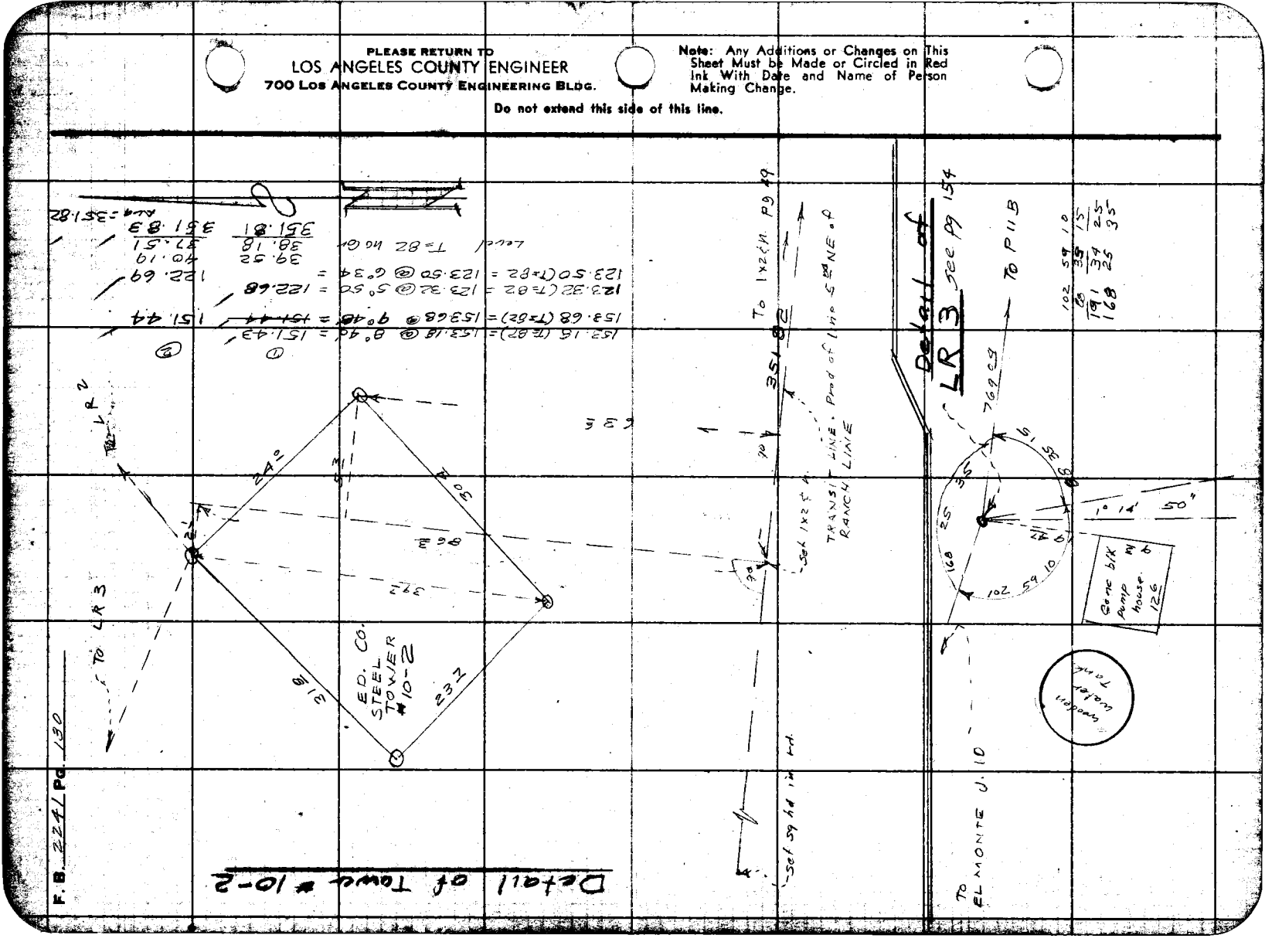

Detail of Tower #10-2

F. B. 2241 Pg. 137

NOTES RED. JOB NO. 0075.26 SURVEY OF Los Robles Ave
DATE SURVEY BY K.M. Kapp
NOTES CHKD. C RG NOTES BY K.M.K. DATE 6-3-57
DATE INDEXED L. C. Johnson DATE 8-15-57

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 S & E-353 4-54

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
					6-3-57 K. M. Kapp G. Merino C. H. Hill H. C. Rooker	LOS ROBLES AVE. 0075.26 BENCH LEVELS for P LINE CIRCUIT #4

765420 S & E-353 4-54

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JOB NO. 207526 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY K.M.K. DATE
NOTES BY K.M.K. DATE 6-3-57 NOTES CHKD.
INDEXED C. Johnson DATE DATE
F.B. 2241 Pg. 32

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd. TBM 17	443.225				443.216	Fd. TBM 17 Elev. 443.216 (443.225) F.B. 2241-39
+	4.703		4.991	4.867		Los Robles Ave. & 7th Ave., E. Inter.
T	447.928	+ 2.004 ✓	2.013 ✓	2.008 ✓ 2.002		C.S. Mon. in H.H. 6" dm.
−	2.699		2.978	2.861		
Fd. TBM 18	445.229				445.224	Fd. TBM 18 Elev. 445.231 F.B. 2241-40
+	5.775		5.605			Los Robles Ave. & 7th Ave., N.E. Cor.
T	451.004	+ 1.546 ✓	1.543 ✓	1.544		St. Spk. in top of weir box (N.E. Cor.)
−	4.229		4.062			
T.P.	446.775				446.768	
+	6.518		6.405			
T	453.293	+ 2.927 ✓	2.924 ✓	2.926		
−	3.591		3.481			
T.P.	449.702				449.694	
+	6.886		6.475			
T	456.588	+ 3.777 ✓	3.776 ✓	3.776		
−	3.109		2.699			
T.P.	453.479				453.470	
+	7.385		7.241			
T	460.864	+ 4.822 ✓	4.821 ✓	4.821		
−	2.563		2.420			
T.P.	458.301				458.291	
+	7.631		7.363	7.502		
T	465.932	+ 5.448 ✓	5.444 ✓	5.447 ✓ 5.446 ✓		
−	2.183		1.919	2.053		
T.P.	463.749				463.738	
+	7.250		7.389	7.510		
T	470.999	+ 5.081 ✓	5.119 ✓	5.983 ✓ 5.899 ✓		
−	2.169		2.270	2.431		
T.P.	468.830				468.821	

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	468.830				468.821	
+	7.960		7.745			
π	476.790	+ 3.162	3.162	3.162		
−	4.798		4.583			
Set TBM 20	471.992				471.983	Set TBM 20 F.B. 2241 − 9 = (P2)
+	5.769		6.021	5.538		Los Robles Ave. & Tract Line, ℄ Inter.
π	477.761	+ 0.449	0.442	0.446 0.447		1" I.P. Pl. & Nail dn. 24"
−	5.320		5.579	5.091		
Set TBM 21	472.441				472.429	Set TBM 21
+	5.288		5.038			Los Robles Ave. (S. Side) 110' ± E. of Tr. Line
π	477.729	+ 2.199	2.202	2.200		Bt. Spk. in conc. walk to Ho. #14410
−	3.039		2.836			
T.P.	474.640				474.629	
+	5.230		4.997			
π	479.870	+ 3.845	3.846	3.845		
−	1.385		1.151			
T.P.	478.485				478.474	
+	7.085		7.233			
π	485.570	+ 4.024	4.021	4.022		
−	3.061		3.212			
T.P.	482.509				482.496	
+	11.303		10.973			
π	493.812	+ 10.446	10.446	10.446		
−	0.857		0.527			
T.P.	492.955				492.942	
+	11.903		11.668	11.843		
π	504.858	+ 10.610	10.601	10.608 10.612		
−	1.293		1.067	1.231		
T.P.	503.565				503.550	

NOTES RED. ____ JOB NO. 0075.26 SURVEY OF Los Robles Ave.
DATE ____ SURVEY BY K.M. Kapp
NOTES CHKD. CEG NOTES BY K.M.K. DATE 6-3-57
DATE ____ INDEXED. L. C. Johnson DATE ____

F.B. 2241 Pg. 133

768420 S & E-353 4-54

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JOB NO. 0275.26 SURVEY OF Los Robles Ave. NOTES RED. DATE
SURVEY BY K.M. Kapp DATE
NOTES BY K.M.K. DATE 6-8-57 NOTES CHKD
INDEXED A. C. Johnson DATE

F.B. 2241 PG. 134

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	503.565				503.550	
+	11.889		11.674			
⇈	515.454	+10.656	10.656	10.656		
−	1.233		1.018			
T.P.	514.221				514.206	
+	11.198		10.568			
⇈	525.419	+8.860	8.662	8.861		
−	2.338		1.706			
T.P.	523.081				523.067	
+	8.464		8.628			
⇈	531.545	+3.660	3.660	3.660		
−	4.804		4.468			
Set TBM 22	526.741				526.727	Set TBM 22 F.B. 2241 + 126 (P2A)
+	10.336		10.169	2.707		P2A on P Line
⇈	537.077	+4.383	4.396	4.388		1" I.P. P.L. & Eng'r. Tag dn 6"
−	5.453		5.773	5.321		
T.P.	531.124				531.115	
+	8.051		7.765			
⇈	539.175	+4.977	4.976	4.976		
−	3.074		2.789			
T.P.	536.101				536.091	
+	6.280		6.100			
⇈	542.381	+1.691	1.692	1.691		
−	4.589		4.408			
T.P.	537.792				537.782	
+	9.155		8.913			
⇈	546.947	+7.896	7.896	7.897		
−	1.259		1.015			
T.P.	545.688				545.679	

76S420 S & E-353 4-54

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NOTES RED. JOB NO. 207526 SURVEY OF Los Robles Ave.
DATE SURVEY BY K.M.K. & D.D.
NOTES CHKD. C.C.G. NOTES BY K.M.K. DATE 6-4-57
DATE INDEXED K. C. Johnson DATE

F.B. 2241 Pg. 135

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	545.688				545.679	
+	6.370		6.367			
=	552.258	+0.999✓	1.002✓	1.001		
−	5.571		5.365			
Set TBM 23	546.687				546.680	Set TBM 23 F.B. 2241 - 125 (P3) ✓
+	10.076		10.333	9.989		P3 on P Line
=	556.763	+5.194✓	5.172✓	5.187 5.194✓		1" I.P. Pl. & Engr. Tag dn. 6"
−	4.882		5.161	4.795		
T.P.	551.881				551.867	
+	11.965		11.761			
=	563.569	+11.188✓	11.188✓	11.183		
−	0.800		0.573			
T.P.	563.069				563.055	
+	2.331		2.089			
=	565.400	+0.364✓	0.364✓	0.384		
−	1.947		1.705			
Set TBM 24	563.453				563.439	Set TBM 24 F.B. 2241 - 125 (P4) ✓
+	10.835		10.573			P4 on P Line
=	574.338	+9.340✓	9.342✓	9.341		1" I.P. Pl. & Engr. Tag dn. 6"
−	1.545		1.231			
T.P.	572.793				572.780	
+	8.781		8.772	8.627		
=	581.574	+7.417✓	7.413✓	7.420✓		
−	1.364		1.359	1.207		
T.P.	580.210				580.197	
+	16.135		10.530			
=	590.945	+8.255✓	8.254✓	8.255		
−	2.479		2.276			
T.P.	588.466				588.452	

765420 S & E-353 4-54

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JOB NO. 2275.26 SURVEY OF Los Robles Ave. NOTES RED ____ DATE ____
SURVEY BY K.M. Kapp NOTES CHKD ____ DATE ____
NOTES BY K.M.K. DATE 6-5-57 C. Johnson DATE ____
INDEXED ____ DATE ____

F.B. 2241 Pg. 136

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	588.466				589.452	
+	8.390		8.124			
=	596.856	+6.325 ✓	6.324 ✓	6.324		
−	2.065		1.800			
Set TBM 25	594.791				594.776	Set TBM 25 F.B. 2241 - 125 (P.4A)
+	11.909		11.307	11.318		P.4A on P Line
=	606.700	+8.456 ✓	8.480 ✓	8.495 ✓		1" I.P. Pl. & Engr. Tag dn. 6"
−	3.423		2.827	2.901		
T.P.	603.277				603.261	
+	11.891		11.759			
=	615.168	+9.766 ✓	9.764 ✓	9.765		
−	2.125		1.995			
T.P.	613.043				613.026	
+	12.005		11.847			
=	625.048	+11.440 ✓	11.439 ✓	11.439		
−	0.565		0.408			
Set TBM 26	624.483				624.465	Set TBM 26 F.B. 2241 - 124 (P5)
+	9.639		9.472	9.205		P5 on P Line
=	634.122	−0.260 ✓	0.265 ✓	−0.260 ✓		1" I.P. Pl. & Engr. Tag dn. 6"
−	10.099		9.737	9.465		
T.P.	624.223				624.203	
+	11.729		11.283	12.006		
=	635.952	+8.408 ✓	8.398 ✓	8.405 ✓		
−	3.321		2.885	3.596		
T.P.	632.631				632.608	
+	11.226		11.569	11.078		
=	643.857	+10.641 ✓	10.647 ✓	10.642 ✓		
−	0.585		0.922	0.440		
T.P.	643.272				643.250	

765420 S & E-353 4-54

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NOTES RED. JOB NO. 20752 SURVEY OF Los Robles Ave.
DATE SURVEY BY K.M. Kapp
NOTES CHKD. C.E.G. NOTES BY K.M.K. DATE 6-3-57
DATE INDEXED. C. Johnson DATE

F.B. 2241 Pg. 137

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	643.272				643.250	
+	11.662		11.488			
=	654.934	+11.149	11.146	11.147		
−	0.513		0.342			
T.P.	654.421				654.397	
+	11.626		11.337			
=	656.047	+10.824	10.823	10.823		
−	0.802		0.514			
T.P.	665.245				665.220	
+	11.716		11.334			
=	676.961	+9.660	9.660	9.660		
−	2.056		1.674			
T.P.	674.905				674.880	
+	11.514		11.452			
=	686.419	+11.098	11.100	11.099		
−	0.416		0.352			
T.P.	686.003				685.979	
+	8.578		8.122			
=	694.581	+4.058	4.058	4.038		
−	4.520		4.064			
Set TBM 27	690.061				690.037	Set TBM 27 F.B. 2241-124 (P54)
+	6.153		5.728			P54 on P Line
=	696.214	+1.495	1.498	1.496		1" I.P. Pl. S Engr Tag dn. 6"
−	4.658		4.230			
T.P.	691.556				691.533	
+	3.721		3.370	3.152		
=	695.277	−0.684	0.679	−0.682		
−	4.405		4.049	3.834		
T.P.	690.872				690.851	

765420 S & E-353 4-54

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JOB NO. 2675.26 SURVEY OF Los Robles Ave. NOTES RED. DATE
SURVEY BY K.M. K&E NOTES CHKD
NOTES BY K.M.K. DATE 6-5-57 C. Johnson DATE
INDEXED DATE

F.B. 2241 Pg. 138

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	690.872				690.851	
+	5.048		4.568			
⊼	695.920	-0.560	0.561	-0.560		
−	5.608		5.129			
Set TBM 28	690.312				690.291	Set TBM 28 F.B. 2241-123 (P6)
+	9.580		9.366			P6 on P Line
⊼	699.892	+6.562	6.884	6.883		1" I.P. R.I. & Eng'r. Tag dn. 6"
−	2.698		3.482			
T.P.	697.194				697.174	
+	7.060		9.389	8.913		
⊼	706.254	-0.005	0.010	-0.007 0.203		
−	7.065		9.399	8.924		
T.P.	697.189				697.167	
+	0.376		0.219			
⊼	697.565	-11.076	11.076	-11.076		
−	11.452		11.295			
T.P.	686.113				686.091	
+	0.622		0.656	0.802		
⊼	686.735	-11.036	11.032	-11.035 11.037		
−	11.658		11.653	11.839		
Set BM LR1	675.077				675.056	Set BM LR1 F.B. 2241-86
+	9.916		10.424			On line between P6 & N32
⊼	684.993	+9.340	9.338	9.339		Approx. 580' Northwesterly from Saddle (96)
−	0.576		1.086			on "S" shaped ridge, and 21' South Easterly
T.P.	684.417				684.395	from 14" Oak Tree, Brass Cap, Mon. &
+	6.624		6.289			Bolt marked: County Engineer RE 5869
⊼	691.041	+1.657	1.659	1.658		BM LR1 (Set Flush). This Ridge is
−	4.967		4.625			approx. 3300' S'ly from a R.R. bridge over
T.P.	686.074				686.053	San Jose Creek & 1420' E'ly from E end
						of spillway at Whittier Narrows dam & San
						Gabriel River.

769420 S & E-353 4-54

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NOTES RED _____ JOB NO. 207526 SURVEY OF Los Robles Ave.
DATE _____ SURVEY BY K.M. Kapp
NOTES CHKD. C.R.G. NOTES BY K.M.K. DATE 6-6-57
DATE _____ INDEXED J. O. Johnson DATE _____

F.B. 2241 PG. 137

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	686.074				686.053	
+	6.680		7.111	6.929		
T	692.754	+4.243✓	4.239✓	4.242 ~~4.243~~✓		
−	2.437		2.872	2.684		
Fd TBM 28	690.317				690.295	Fd. TBM 28 F.B. 2241-123 (P6)
+	8.642		8.343			P.C. on P Line
T	698.959	+7.004✓	7.003✓	7.003		1" I.P. At 5' Engr. Tag on 6"
−	1.638		1.340			
T.P.	697.321				697.298	
+	11.225		11.063	11.315		
T	708.546	+7.136✓	7.129✓	7.133 ~~7.133~~✓		
−	4.089		3.959	4.182		
T.P.	704.457				704.431	
+	5.115		4.901			
T	709.572	−5.456✓	5.456✓	−5.456		
−	10.571		10.357			
Set TBM 29	699.001				698.975	Set TBM 29 F.B. 2241-122 (P7)
+	11.839		11.655			P.T. on P Line
T	710.890	+10.030✓	10.032✓	10.031		1" I.P. At 5' Engr. Tag On 6"
−	1.859		1.623			
T.P.	709.031				709.006	
+	11.242		11.403			
T	720.273	+10.244✓	10.244✓	10.244		
−	0.998		1.159			
T.P.	719.275				719.250	
+	11.633		11.437			
T	730.908	+10.886✓	10.888✓	10.887		
−	0.747		0.549			
T.P.	730.161				730.137	

765420 S & E-353 4-54

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JOB NO. 007526 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY K.M. Kapp DATE NOTES CHKD
NOTES BY K.M.K. DATE 6-6-57 DATE
INDEXED X C. Johnson DATE

F.B. 2241 Pg. 140

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	730.161				730.137	
+	11.968		11.642			
⇈	742.129	+11.179✓	11.178✓	11.178		
−	0.789		0.464			
T.P.	741.340				741.315	
+	11.258		11.503			
⇈	752.598	+10.843✓	10.843✓	10.843		
−	0.415		0.660			
T.P.	752.183				752.158	
+	9.892		10.192			
⇈	762.075	+8.859✓	8.859✓	8.859		
−	1.033		1.333			
Set TBM 30	761.042				761.017	Set TBM 30 F.B. 2241-121 (PB)
+	5.739		5.832			PK on P Line
⇈	766.781	−2.089✓	2.091✓	-2.090		) "I.P.P. & Eng'r. Tag dn. 6"
−	7.828		7.923			
T.P.	758.953				758.927	
+	9.983		10.404	10.237		
⇈	768.936	+6.232✓	6.224✓	6.220 6.234✓		
−	3.751		4.180	4.005		
T.P.	765.185				765.157	
+	4.350		4.116			
⇈	769.535	+1.810✓	1.813✓	1.812		
−	2.540		2.297			
T.P.	766.995				766.969	
+	8.133		7.800			
⇈	775.128	+3.052✓	3.053✓	3.052		
−	5.081		4.747			
Set TBM 31	770.047				770.021	Set TBM 31 See next pg. for descrip.

769420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Set TBM 31	770.047				770.021	Set TBM 31 F.B. 2241-119 (P9)
+	3.614		3.924	3.721		P9 on P Line
π	773.661	+3.433	3.424	3.429 3.431		1" I.P. Pl. & Eng'r. Tag dn. 6"
−	0.181		0.500	0.290		
T.P.	773.480				773.450	
+	11.688		11.949			
π	785.168	+10.794	10.798	10.798		
−	0.889		1.151			
T.P.	784.279				784.249	
+	11.586		11.830			
π	795.865	+9.157	9.160	9.158		
−	2.429		2.670			
T.P.	793.436				793.406	
+	10.845		11.533			
π	804.281	+7.684	7.684	7.684		
−	3.161		3.849			
T.P.	801.120				801.090	
+	11.198		11.291			
π	812.318	+10.667	10.664	10.665		
−	0.531		0.627			
T.P.	811.787				811.755	
+	11.065		10.607	10.995		
π	822.852	+10.335	10.329	10.334 10.337		
−	0.730		0.278	0.658		
T.P.	822.122				822.089	
+	5.077		4.858			
π	827.199	+4.529	4.531	4.530		
−	0.548		0.327			
T.P.	826.651				826.619	

NOTES RED _____ JOB NO. 007526 SURVEY OF Los Robles Ave.
DATE _____ SURVEY BY K.M. Kapp
NOTES CHKD. CRG NOTES BY K.M.K. DATE 6-7-57
DATE _____ INDEXED K. C. Johnson DATE _____

F.B. 2241 PG. 141

76S420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	826.651				826.619	
+	10.225		9.746			
π	836.876	+8.336	8.337	8.336		
−	1.889		1.409			
T.P.	834.987				834.955	
+	11.393		11.493			
π	846.380	+10.663	10.664	10.663		
−	0.730		0.829			
T.P.	845.650				845.618	
+	11.070		11.354			
π	856.720	+10.495	10.495	10.495		
−	0.575		0.859			
T.P.	856.145				856.113	
+	11.095		11.274	11.276		
π	867.240	+10.432	10.423	10.429 10.433		
−	0.663		0.851	0.843		
T.P.	866.577				866.542	
+	11.367		11.590			
π	877.944	+10.898	10.899	10.898		
−	0.469		0.691			
T.P.	877.475				877.440	
+	11.242		11.351			
π	888.717	+10.647	10.647	10.647		
−	0.595		0.704			
set TBM 32	888.122				888.087	set TBM 32 F.B. 2241-117 (P9A)
+	11.848		11.982			P9A on P Line
π	899.970	+11.219	11.219	11.219		1" I.P. Pl. & Eng'r. Tag dn. 6"
−	0.629		0.763			
T.P.	899.341				899.306	

JOB NO. 0075.26 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY K.M. Kapp DATE
NOTES BY K.M.K. DATE 6-7-57 NOTES CHKD.
INDEXED K. C. Johnson DATE DATE

F. B. 2241 PG. 142

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	899.341				899.306	
+	9.550		9.831			
π	908.891	+ 6.663	6.661	6.662		
−	2.887		3.160			
T.P.	906.004				905.968	
+	11.222		11.201			
π	917.226	+10.532	10.532	10.532		
−	0.690		0.669			
T.P.	916.536				916.500	
+	11.611		11.849			
π	928.147	+10.490	10.490	10.490		
−	1.121		1.359			
T.P.	927.026				926.990	
+	11.212		11.476			
π	938.238	+10.624	10.626	10.625		
−	0.588		0.850			
T.P.	937.650				937.615	
+	11.434		11.765			
π	949.084	+10.639	10.641	10.640		
−	0.795		1.24			
T.P.	948.289				948.255	
+	11.904		11.593			
π	960.193	+11.369	11.369	11.369		
−	0.535		0.224			
T.P.	959.658				959.624	
+	10.268		10.511			
π	969.926	+9.285	9.285	9.285		
−	0.983		1.226			
set BM LR2	968.943				968.909	set BM LR2 See next pg. for descrip.

NOTES RED. ____ JOB NO. 00752.6 SURVEY OF Los Robles Ave.
DATE ____ SURVEY BY K.M. Kapp
NOTES CHKD. CRG NOTES BY K.M.K. DATE 6-10-57
DATE ____ INDEXED [illegible] C. Johnson DATE ____

F.B. 2241 PG. 143

765420 S & E-353 4-54

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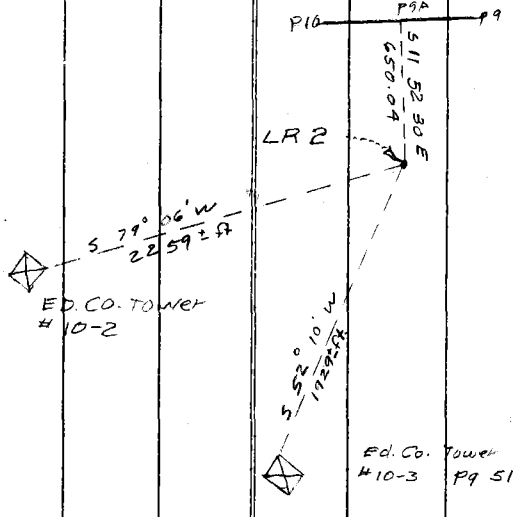
JOB NO. 402526 SURVEY OF Los Robles Ave. NOTES RED.
SURVEY BY K.M. Kapp DATE NOTES CHKD.
NOTES BY K.M.K. DATE 6-13-57
INDEXED C. Johnson DATE
F.B. 2241 Pg. 144

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Set BM LR2	968.943				963.909	Set BM LR2 F.B. 2241-129
+	0.703		5.819			Elev =
T	969.646	-10.934	10.933	-10.933		Set a std L.A.Co. Mon. on bench of a ridge N of Nike Station. Approx.
—	11.637		11.777			5300' S 41° W. from a R.R. bridge over San
T.P.	958.009				957.976	Jose Creek & 11400' E'ly from E end
+	0.632		0.674			of spillway at Whittier Narrows Dam
T	958.641	-10.716	10.716	-10.716		& San Gabriel River
—	11.346		11.390			
T.P.	947.293				947.260	
+	1.109		1.530			
T	948.402	-10.328	10.331	-10.331		
—	11.437		11.861			
T.P.	936.965				936.929	
+	0.270		0.572			
T	937.235	-11.198	11.197	-11.197		
—	11.468		11.769			
T.P.	925.767				925.732	
+	1.948		2.167			
T	927.715	-9.590	9.590	-9.590		
—	11.538		11.697			
T.P.	916.177				916.142	
+	0.894		0.970			
T	917.071	-10.661	10.661	-10.661		
—	11.555		11.631			
T.P.	905.516				905.481	
+	0.483		0.590			
T	905.999	-11.052	11.051	-11.051		
—	11.535		11.641			
T.P.	894.464				894.430	



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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	894.464				894.430	
+	0.541		0.604			
π	895.005	-10.678	10.680	-10.679		
−	11.219		11.284			
T.P.	883.786				883.751	
+	0.442		0.493			
π	884.228	-10.887	10.887	-10.887		
−	11.329		11.380			
T.P.	872.899				872.864	
+	0.547		0.632			
π	873.446	-11.078	11.080	-11.079		
−	11.625		11.712			
T.P.	861.821				861.785	
+	0.584		0.729			
π	862.405	-10.937	10.934	-10.936		
−	11.521		11.663			
T.P.	850.884				850.849	
+	0.593		0.684			
π	851.477	-10.796	10.795	-10.795		
−	11.389		11.479			
T.P.	840.088				840.054	
+	0.394		0.449			
π	840.482	-11.205	11.204	-11.204		
−	11.599		11.653			
T.P.	828.883				828.850	
+	0.469		0.570			
π	829.352	-11.033	11.033	-11.033		
−	11.502		11.603			
T.P.	817.850				817.817	

NOTES RED ____ JOB NO. 001576 SURVEY OF Los Robles Ave.
DATE ____ SURVEY BY K.M. Karr
NOTES CHKD. CRG NOTES BY K.M.K. DATE 6-11-57
DATE ____ INDEXED ____ C. Johnson DATE ____

F. B. 2241 PG. 145

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	817.850				817.817	
+	0.484		0.648			
π	818.334	-11.246	11.245	-11.245		
−	11.730		11.893			
T.P.	806.604				806.572	
+	0.190		0.286			
π	806.794	-11.108	11.109	-11.108		
−	11.298		11.395			
T.P.	795.496				795.464	
+	0.308		0.529			
π	795.804	-11.275	11.274	-11.274		
−	11.583		11.803			
T.P.	784.221				784.190	
+	0.461		0.519			
π	784.682	-10.935	10.935	-10.935		
−	11.396		11.454			
T.P.	773.286				773.255	
+	0.702		0.809			
π	773.988	-10.918	10.918	-10.918		
−	11.620		11.727			
T.P.	762.368				762.337	
+	0.597		0.640			
π	762.965	-10.945	10.944	-10.944		
−	11.542		11.584			
T.P.	751.423				751.393	
+	0.758		0.887			
π	752.181	-7.320	7.321	-7.320		
−	8.078		8.208			
Set TBM 33	744.103				744.073	Set TBM 33 See next pg. for descrip.

JOB NO. 0075.26 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY K.M. Kapp DATE
NOTES BY K.M.K. DATE 6-11-57 NOTES CHKD
INDEXED E. C. Johnson DATE DATE

F. B. 2241 PG. 146

769420 S & E-353 4-54

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NOTES RED. JOB NO. 207126 SURVEY OF Los Robles Ave.
DATE SURVEY BY K.M.K. R.P.
NOTES CHKD. C.R.G. NOTES BY K.M.K. DATE 6-16-57
DATE INDEXED C. Johnson DATE

F.B. 2241 Pg. 147

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Set TBM 33	744.103				744.073	Set TBM 33 F.B. 2241 - 115 (P10)
+	0.604		0.662			P10 on P Line
=	744.707	-11.156	11.154	-11.155		1" I.P. Pl. & Engr. Tag dn. 6"
-	11.760		11.816			
T.P.	732.947				732.918	
+	0.601		0.759			
=	733.548	-11.066	11.065	-11.065		
-	11.667		11.824			
T.P.	721.881				721.853	
+	0.991		0.840			
=	722.872	-10.750	10.749	-10.749		
-	11.241		11.587			
T.P.	711.131				711.104	
+	0.262		0.449			
=	711.393	-10.913	10.912	-10.912		
-	11.175		11.361			
T.P.	700.218				700.192	
+	0.273		0.471			
=	700.491	-11.031	11.033	-11.032		
-	11.304		11.504			
T.P.	689.187				689.160	
+	0.293		0.494			
=	689.480	-11.356	11.388	-11.388		
-	11.681		11.882			
T.P.	677.799				677.772	
+	1.107		1.730			
=	678.906	-10.128	10.128	-10.128		
-	11.235		11.858			
T.P.	667.671				667.644	

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JOB NO. 0075.26 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY K.M. Kapp DATE
NOTES BY K.M.K. DATE 6-12-57 NOTES CHKD.
INDEXED E. Johnson DATE
DATE

F.B. 2241 Pg. 148

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	667.671				667.644	
+	0.270		0.684			
=	667.941	-10.807	10.807	-10.807		
−	11.077		11.491			
T.P.	656.864				656.837	
+	0.253		0.344			
=	657.117	-11.147	11.147	-11.147		
−	11.400		11.491			
T.P.	645.717				645.690	
+	0.519		0.534			
=	646.236	-11.002	11.002	-11.002		
−	11.521		11.536			
T.P.	634.715				634.688	
+	0.230		0.304			
=	634.945	-11.559	11.562	-11.560		
−	11.781		11.866			
T.P.	623.156				623.129	
+	0.397		0.220			
=	623.553	-11.312	11.314	-11.313		
−	11.709		11.534			
T.P.	611.844				611.816	
+	0.503		0.516			
=	612.347	-10.668	10.667	-10.667		
−	11.171		11.183			
T.P.	601.176				601.148	
+	0.439		0.433			
=	601.615	-11.375	11.374	-11.374		
−	11.814		11.807			
T.P.	589.801				589.774	

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	589.801				589.774	
+	0.381		0.385			
π	590.182	-11.212	11.212	-11.212		
−	11.593		11.597			
T.P.	578.589				578.562	
+	0.818		0.975			
π	579.407	-10.641	10.640	-10.640		
−	11.459		11.615			
T.P.	567.948				567.922	
+	0.291		0.468			
π	568.239	-11.382	11.383	-11.382		
−	11.673		11.851			
T.P.	556.566				556.540	
+	0.214		0.451			
π	556.780	-10.978	10.978	-10.978		
−	11.192		11.429			
T.P.	545.588				545.562	
+	0.379		0.586			
π	545.967	-11.021	11.019	-11.020		
−	11.400		11.605			
T.P.	534.567				534.542	
+	9.460		9.319			
π	544.027	+2.570	2.571	2.570		
−	6.890		6.748			
T.P.	537.137				537.112	
+	11.231		11.460	11.215		
π	548.368	+9.700	9.705	9.703 9.703		
−	1.531		1.755	1.512		
T.P.	546.837				546.815	

NOTES RED ____ JOB NO. 007526 SURVEY OF Los Robles Ave.
DATE ____ SURVEY BY K.M. Kapp
NOTES CHKD. CRG NOTES BY K.M.K. DATE 6-12-57
DATE ____ INDEXED K. C. Johnson DATE ____

F. B. 2241 PG. 149

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JOB NO. 007516-6 SURVEY OF Los Robles Ave. NOTES RED. DATE
SURVEY BY K.W.K. & E.P. NOTES CHKD.
NOTES BY K.W.K. DATE 4-13-57 DATE
INDEXED A. C. Johnson DATE

F.B. 224 / Pg. 150

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	546.837				546.815	
+	11.339		11.349			
=	558.167	+11.042	11.040	11.040		
−	0.290		0.309			
T.P.	557.877				557.855	
+	11.616		11.904			
=	569.493	+10.577	10.576	10.576		
−	1.039		1.328			
T.P.	568.454				568.431	
+	11.330		11.585			
=	579.784	+11.092	11.092	11.092		
−	0.538		0.423			
T.P.	579.246				579.523	
+	11.155		11.364			
=	590.701	+10.458	10.456	10.457		
−	0.697		0.386			
T.P.	590.004				589.990	
+	11.513		11.618			
=	601.517	+11.230	11.231	11.230		
−	0.283		0.467			
T.P.	601.234				601.210	
+	11.567		11.760			
=	612.801	+11.203	11.200	11.202		
−	0.364		0.560			
T.P.	612.437				612.412	
+	11.603		11.362			
=	624.040	+11.239	11.241	11.040		
−	0.564		0.521			
T.P.	623.476				623.452	

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	623.476				623.452	
+	9.384		9.603			
π	632.860	+7.936	7.938	7.937		
−	1.448		1.665			
Set TBM 34	631.412				631.389	Set TBM 34 F.B. 2241-113 (P10A)
+	1.164		1.422			P10A on P Line
π	632.576	−8.007	8.007	−8.007		1" I.P. Pl. & Engr. Tag dn. 6"
−	9.171		9.429			
T.P.	623.405				623.382	
+	0.242		0.572			
π	623.647	−11.048	11.049	−11.048		
−	11.290		11.621			
T.P.	612.357				612.334	
+	10.199		10.769	10.525		
π	622.556	+9.980	9.987	9.982 9.980		
−	0.219		0.782	0.545		
T.P.	622.337				622.316	
+	11.439		11.560			
π	633.776	+10.991	10.992	10.991		
−	0.448		0.568			
T.P.	633.328				633.307	
+	11.018		11.040			
π	644.346	+10.496	10.497	10.496		
−	0.522		0.543			
T.P.	643.824				643.803	
+	10.493		10.729			
π	654.317	+9.762	9.760	9.761		
−	0.731		0.769			
T.P.	653.586				653.564	

NOTES RED. _____ JOB NO. 0075.26 SURVEY OF Los Angeles Ave.
DATE _____ SURVEY BY K.M. Karp
NOTES CHKD. CRG NOTES BY [illegible] DATE 6-23-57
DATE _____ INDEXED J. C. Johnson DATE _____

F.B. 2241 PG. 151

76S420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	653.586				653.564	
+	9.970		10.124			
π	663.556	+7.885	7.888	7.886		
−	2.085		2.236			
Set TBM 35	661.471				661.450	Set TBM 35 F.B. 2241-112 (P11)
+	0.273		0.363			P11 on P Line
π	661.744	−11.200	11.199	−11.199		1" I.P. Pl. & Eng'r. Tag. dia. 6"
−	11.473		11.562			
T.P.	650.271				650.251	
+	0.428		0.689			
π	650.699	−11.089	11.089	−11.089		
−	11.517		11.778			
T.P.	639.182				639.162	
+	0.309		0.465			
π	639.491	−11.365	11.365	−11.365		
−	11.674		11.830			
T.P.	627.817				627.797	
+	0.616		0.338			
π	628.433	−10.961	10.961	−10.961		
−	11.577		11.299			
T.P.	616.856				616.836	
+	7.355		7.132			
π	624.211	+6.748	6.745	6.746		
−	0.607		0.387			
T.P.	623.604				623.582	
+	10.681		11.189			
π	634.285	+9.894	9.891	9.892		
−	0.787		1.298			
T.P.	633.498				633.474	

JOB NO. 0075.26 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY K.M. Kapp DATE
NOTES BY K.M.K. DATE 6-13-57 NOTES CHKD.
INDEXED K. C. Johnson DATE DATE

F.B. 2241 Pg. 152

76S420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	633.498				633.474	
+	11.443		11.609			
π	644.941	+9.056	9.056	9.056		
−	2.387		2.553			
Set TBM 36	642.554				642.530	Set TBM 36 F.B. 2241 - 111 (P11A)
+	11.024		11.175			P11A on P Line
π	653.578	+10.342	10.339	10.340		1" I.P.Pl. & Eng'r. Tag dn. 6"
−	0.682		0.836			
T.P.	652.896				652.870	
+	11.312		11.413			
π	664.208	+10.952	10.951	10.951		
−	0.360		0.462			
T.P.	663.848				663.821	
+	11.656		11.891			
π	675.504	+10.778	10.779	10.778		
−	0.878		1.112			
T.P.	674.626				674.599	
+	11.385		11.780			
π	686.011	+10.750	10.752	10.751		
−	0.635		1.028			
T.P.	685.376				685.350	
+	11.126		11.244			
π	696.502	+10.548	10.546	10.547		
−	0.578		0.698			
T.P.	695.924				695.897	
+	9.635		9.943			
π	705.559	+5.467	5.467	5.467		
−	4.168		4.476			
T.P.	701.391				701.364	

NOTES RED. JOB NO. 007526 SURVEY OF Los Robles Ave.
DATE SURVEY BY K.M. Kapp
NOTES CHKD. CRG NOTES BY K.M.K. DATE 6-14-57
DATE INDEXED C. Johnson DATE

F.B. 2241 PG. 153

768420 S & E-353 4-54

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

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

Do not extend notes this side of this line

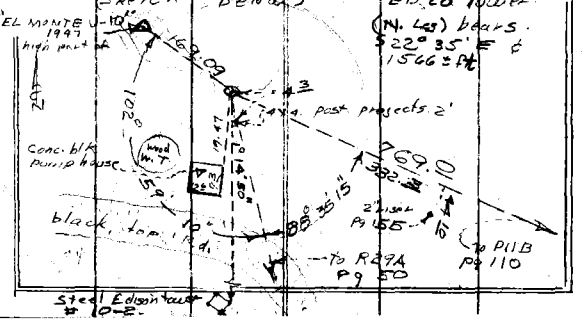
JOB NO 207526 SURVEY OF Los Angeles Area NOTES RED. DATE
SURVEY BY J.H. Brown NOTES CHKD. DATE
NOTES BY K.M.K. DATE 6-17-57 DATE
INDEXED A. C. Johnson DATE

F.B. 2241 Pg. 154

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.
T.P.	701.391				701.364
+	11.143		11.355		
⇈	712.534	+10.607	10.808	10.807	
−	0.336		0.547		
T.P.	712.198				712.171
+	11.436		11.851		
⇈	723.636	+11.121	11.121	11.121	
−	0.317		0.730		
T.P.	723.319				723.292
+	11.681		11.912		
⇈	735.000	+10.779	10.768	10.769	
−	0.911		1.144		
T.P.	734.089				734.061
+	11.895		11.237		
⇈	745.984	+10.141	10.144	10.142	
−	1.754		1.093		
Set + BM LR3	744.230				744.203
+	1.649		1.396		
⇈	745.879	−9.141	9.139	−9.140	
−	10.790		10.535		
T.P.	735.089				735.063
+	1.673		1.252		
⇈	736.762	−9.634	9.634	−9.634	
−	11.307		10.886		
T.P.	725.455				725.429
+	1.549		1.118		
⇈	726.999	−10.194	10.195	−10.194	
−	11.738		11.313		
T.P.	715.261				715.235

DESCRIPTION

Set + BM LR3
a standard LA Co. BM (with bottom) flush.
About 8700' E of east gate of Whittier Narrows Dam & about 4300' SW of RR bridge over San Jose Creek.
(Sketch below)



76S420 S & E-353 4-54

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

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	715.261				715.235	
+	2.450		2.091			
π	717.711	-2.240	2.241	-2.240		
−	4.690		4.332			
T.P.	713.021				712.995	Fd. 2" I.P. up 3" No Ref.
+	1.723		1.361			(May be riser from water line
π	714.744	-9.723	9.721	-9.722		
−	11.446		11.082			
T.P.	703.298				703.273	
+	2.444		2.028			
π	705.742	-8.622	8.622	-8.622		
−	11.066		10.650			
T.P.	694.676				694.651	
+	2.019		1.663			
π	696.695	-9.717	9.719	-9.718		
−	11.736		11.382			
T.P.	684.959				684.933	
+	1.664		0.716			
π	686.623	-9.931	9.931	-9.931		
−	11.595		10.647			
T.P.	675.028				675.002	
+	1.103		1.405			
π	676.131	-9.891	9.891	-9.891		
	10.994		11.296			
T.P.	665.137				665.111	
+	1.610		0.925			
π	666.747	-9.802	9.801	-9.801		
−	11.412		10.726			
T.P.	655.335				655.310	

NOTES RED _____ JOB NO. 007526 SURVEY OF Los Robles Ave.
DATE _____ SURVEY BY J. H. Brown
NOTES CHKD. CRG NOTES BY K.M.K. DATE 6-17-57
DATE _____ INDEXED [illegible] C. Johnson DATE _____

F. B. 224 / Pg. 155

76S420 S & E-353 4-54

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

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	655.335				655.310	
+	0.737		1.334			
π	656.072	-10.365	10.363	-10.364		
−	11.102		11.697			
T.P.	644.970				644.946	
+	0.261		0.962			
π	645.231	-10.416	10.418	-10.417		
−	10.677		11.380			
T.P.	634.554				634.529	
+	4.154		4.015			
π	638.708	-5.849	5.851	-5.850		
−	10.003		9.866			
T.P.	628.705				628.679	
+	1.464		1.074			
π	630.169	-9.935	9.936	-9.935		
−	11.399		11.010			
T.P.	618.770				618.744	
+	0.732		1.236			
π	619.502	-10.530	10.530	-10.530		
−	11.262		11.766			
T.P.	608.240				608.214	
+	1.746		1.662			
π	609.986	-9.455	9.454	-9.454		
−	11.201		11.116			
T.P.	598.785				598.760	
+	2.322		1.948			
π	601.107	-8.391	8.390	-8.390		
−	10.713		10.338			
T.P.	590.394				590.370	

JOB NO. 007526 SURVEY OF Los Robles Ave. NOTES RED.
SURVEY BY J.H. Brown DATE
NOTES BY K.M.K. DATE 6-17-57 NOTES CHKD.
INDEXED A.C. Johnson DATE DATE

F.B. 2241 PG. 156

76S420 S & E-353 4-54

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

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	590.374				590.370	
+	2.639		3.083			
π	593.033	-6.504	6.505	-6.504		
−	9.143		9.588			
Set TBM 37	583.890				583.866	Set TBM 37 F.B. 2241-110 (P11B)
+	9.674		9.449			P11B on P. Line
π	593.564	+6.504	6.504	6.504		1" I.P. Pl. & Engr. Tag dn 6"
−	3.170		2.945			
T.P.	590.374				590.370	
+	10.7[illegible]		10.462			
π	601.110	+8.389	8.389	8.389		
−	2.327		2.073			
T.P.	598.7[illegible]				598.759	
+	11.210		11.054			
π	609.993	+9.453	9.452	9.452		
−	1.757		1.632			
T.P.	608.236				608.211	
+	10.833		10.973			
π	619.069	+10.537	10.535	10.536		
−	0.296		0.438			
T.P.	618.773				618.747	
+	11.725		11.323	11.168		
π	630.498	+9.933	9.937	9.935 9.934		
−	1.792		1.386	1.234		
T.P.	628.706				628.682	
+	10.730		10.467			
π	639.436	+9.602	9.602	9.602		
−	1.128		0.865			
T.P.	638.308				638.284	

NOTES RED _____ JOB NO. 007516 SURVEY OF Los Robles Ave.
DATE _____ SURVEY BY J.H. Brown
NOTES CHKD. CRG NOTES BY K.M.K. DATE 6-17-57
DATE _____ INDEXED J. C. Johnson DATE _____

F.B. 2241 PG. 157

765420 S & E-353 4-54

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

JOB NO. 027526 SURVEY OF Los Feliz Ave. NOTES RED
SURVEY BY J. H. Brown DATE
NOTES BY L. C. Johnson DATE 6-24-57 NOTES CHKD
INDEXED DATE

F.B. 2241 Pg. 158

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	638.305				638.284	
+	11.189		10.126	10.680		
T	649.497	+10.687	10.682	10.684		
−	0.502		0.776	0.395		
T.P.	648.995				648.970	
+	7.637		7.017			
T	656.632	+3.308	3.297	3.300		
−	4.333		3.718			
Set TBM 38	652.297				652.270	Set TBM 38 F.B. 2241-109 (P 110)
+	2.446		2.275			P 110 on P Line
T	654.743	−8.909	8.909	−8.909		1" I.P. P.L. & Engr. Tag dn. 6"
−	11.355		11.184			
T.P.	643.388				643.361	
+	2.267		2.067			
T	645.657	−9.545	9.543	−9.544		
−	11.819		11.612			
Set TBM 39	633.643				633.817	Set TBM 39 F.B. 2241-108 (P 12)
+	2.236		2.376			P 12 on P Line
T	636.079	−8.496	8.496	−8.496		1" I.P. P.L. & Engr. Tag dn. 6"
−	10.732		11.072			
T.P.	625.347				625.321	
+	2.713		2.923			
T	628.060	−8.445	8.447	−8.446		
−	11.158		11.310			
T.P.	616.902				616.875	
+	3.768		3.253	3.262		
T	620.670	−7.546	7.551	7.343		
−	11.314		10.209	11.209		
T.P.	609.356				609.327	

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	609.356				609.327	
+	4.137		3.953			
π	613.493	-7.226	7.224	-7.225		
−	11.363		11.177			
T.P.	602.130				602.102	
+	1.532		1.195			
π	603.662	-9.952	9.952	-9.952		
−	11.484		11.147			
T.P.	592.178				592.150	
+	1.270		1.108			
π	593.448	-9.586	9.587	-9.586		
−	10.856		10.695			
T.P.	582.592				582.564	
+	3.179		3.676			
π	585.771	-7.476	7.476	-7.476		
−	10.655		11.152			
T.P.	575.116				575.088	
+	2.151		2.362			
π	577.267	-8.763	8.761	-8.762		
−	10.914		11.123			
T.P.	566.353				566.326	
+	0.807		0.993			
π	567.160	-9.685	9.683	-9.684		
−	10.492		10.676			
T.P.	556.668				556.642	
+	0.736		0.906			
π	557.404	-10.322	10.321	-10.321		
−	11.058		11.227			
T.P.	546.346				546.321	

NOTES RED ____ JOB NO. 007526 SURVEY OF Los Robles Ave.
DATE ____ SURVEY BY J.H. Brown
NOTES CHKD. CRG NOTES BY R.M.R. DATE 6-24-57
DATE ____ INDEXED C. Johnson DATE ____

F. B. 2241 PG. 159

765420 S & E-353 4-54

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

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Do not extend notes this side of this line

JOB NO 0275.26 SURVEY OF Los Feliz Ave. NOTES RED. DATE
SURVEY BY T. H. Brown NOTES CHKD. DATE
NOTES BY K. C. Johnson DATE 6-24-57
INDEXED DATE

F.B. 2241 Pg. 160

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	546.346				546.321	
+	0.332		0.451			
⇈	546.678	-8.243	8.245	-8.244		
−	8.575		8.696			
T.P.	538.103				538.077	
+	0.908		0.817			
⇈	539.011	-10.862	10.863	-10.862		
−	11.770		11.680			
Set TBM 40	527.241				527.215	Set TBM 40 F.B. 2241-107 (P12A)
+	1.804		2.268			P12A on P Line
⇈	529.045	-9.625	9.626	-9.625		1" I.P. P.K. & Engr. Tag dg. 6"
−	11.429		11.894			
T.P.	517.616				517.590	6-25-57: Checked Level for adjust-
+	0.465		0.425	1.547		ment. Checked out at .002 @ 300'
⇈	518.081	-10.134	10.135	-10.136		
−	10.599		10.563	11.682		
T.P.	507.482				507.454	
+	3.244		3.078			
⇈	510.726	-6.909	6.911	-6.910		
−	10.153		9.989			
T.P.	500.573				500.544	
+	2.333		2.306	2.824		
⇈	502.906	-8.513	5.309	-8.309		
−	10.646		10.609	11.136		
T.P.	492.260				492.235	
+	1.666		1.950			
⇈	493.926	-9.551	9.554	-9.552		
−	11.217		11.504			
T.P.	482.709				482.683	

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	482.709				482.683	
+	1.014		1.256			
π	483.723	-10.255	10.256	-10.255		
−	11.269		11.512			
T.P.	472.454				472.428	
+	1.629		1.233			
π	474.083	-9.883	9.884	-9.883		
−	11.512		11.117			
T.P.	462.571				462.545	
+	0.746		1.113			
π	463.317	-4.976	4.974	-4.975		
−	5.722		6.087			
Set TBM 41	457.595				457.570	Set TBM 41 F.B. 2241-106 (P13)
+	11.374		11.097			P13 on P Line
π	468.971	+10.476	10.476	10.476		1" I.P. Pl. & Eng'r. Tag dn. 6"
−	0.900		0.621			
T.P.	468.071				468.046	
+	11.088		11.479			
π	479.159	+10.314	10.314	10.314		
−	0.774		1.165			
T.P.	478.385				478.360	
+	11.005		10.633			
π	489.390	+9.647	9.649	9.648		
−	1.358		0.984			
Set TBM 42	488.032				488.008	Set TBM 42 F.B. 2241-106 (P13A)
+	11.104		11.768			P13A on P Line
π	499.136	+0.367	0.366	0.366		1" I.P. Pl. & Eng'r. Tag dn. 6"
−	10.737		11.402			
T.P.	488.399				488.374	

NOTES RED ____ JOB NO. 0075.26 SURVEY OF Los Robles Ave.
DATE ____ SURVEY BY J.H. Brown
NOTES CHKD. CRG NOTES BY K.M.R. DATE 6-25-57
DATE ____ INDEXED X C. Johnson DATE ____

F.B. 2241 PG. 161

765420 S & E-353 4-54

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

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JOB NO 2075.26 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY T. H. Brown DATE
NOTES BY K.M.K. DATE 6-25-57 NOTES CHKD
INDEXED K. C. Johnson DATE

F.B. 2241/Pg. 162

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	488.391				488.374	
+	2.216		2.431			
T	490.615	-9.432	9.435	-9.433		
−	11.648		11.866			
Set TBM 43	478.967				478.941	Set TBM 43 F.B. 2241, 105 (R13 B)
+	1.602		2.066			F13 B on [illegible] Sw ⊕
T	480.567	-9.688	9.687	-9.687		1" I.P.C. & Engr. Tag dia. 6"
−	11.288		11.753			
T.P.	469.279				469.254	
+	1.444		1.960			
T	470.723	-9.721	9.719	-9.720		
−	11.165		11.679			
T.P.	459.558				459.534	
+	3.777		4.343	-4.417		
T	463.335	-7.415	7.421	-7.416		
−	11.192		11.764	11.553		
T.P.	452.143				452.118	
+	0.723		1.044			
T	452.866	-10.328	10.331	-10.330		
−	11.051		11.375			
T.P.	441.815				441.788	
+	1.175		0.932			
T	442.990	-10.373	10.571	-10.572		
−	11.748		11.503			
T.P.	431.242				431.216	
+	0.445		0.722			
T	431.687	-10.542	10.539	-10.540		
−	10.987		11.271			
T.P.	420.700				420.676	

76S420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	420.700				420.676	
+	2.531		2.118			
π	423.231	-9.277	9.278	-9.277		
−	11.835		11.396			
Set TBM 44	411.423				411.399	Set TBM 44 F.B. 2241-104 (P14)
+	11.496		11.764			P14 on P Line
π	422.919	+3.249	3.247	3.248		1" I.P. Pl. & Eng'r. Tag dn. 6"
−	8.247		8.517			
T.P.	414.672				414.647	
+	4.311		4.049			
π	418.983	-5.932	5.933	-5.932		
−	10.243		9.982			
T.P.	408.740				408.715	
+	6.270		6.187			
π	415.010	+1.795	1.795	1.795		
−	4.474		4.392			
Set TBM 45	410.536				410.510	Set TBM 45 F.B. 2241-103 (P15)
+	5.399		5.009			P15 on P Line
π	415.935	-5.838	5.836	-5.837		1" I.P. Pl. & Eng'r Tag dn. 6"
−	11.237		10.845			
T.P.	404.698				404.673	
+	4.489		4.284			
π	409.187	-6.753	6.750	-6.751		
−	11.242		11.034			
T.P.	397.945				397.922	
+	1.889		1.590			
π	399.834	-9.323	9.320	-9.322		
−	11.212		10.910			
Set TBM 46	388.622				388.600	Set TBM 46 See next pg. for descrip.

NOTES RED ____ JOB NO. 007526 SURVEY OF Los Robles Ave.
DATE ____ SURVEY BY J.H. Brown
NOTES CHKD. C.R.G. NOTES BY K.M.K. DATE 6-26-57
DATE ____ INDEXED J. C. Johnson DATE ____

F.B. 2241 PG. 163

768420 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	ADJ. ELEV.	DESCRIPTION
Set TBM 46	388.622				388.600	Set TBM 46 F.B. 2241-103 (P15A)
+	5.395		5.228			P15A on P Line
π	394.017	-5.661	5.661	-5.661		1" I.P. Pl. & Eng'r. Tag dn. 6"
—	11.056		10.389			
T.P.	382.961				382.939	
+	2.105		1.800			
π	385.066	-8.749	8.747	-8.748		
—	10.854		10.547			
T.P.	374.212				374.191	
+	0.632		0.962	1.010		
π	374.844	-10.779	10.786	-10.781 10.778		
—	11.411		11.748	11.788		
T.P.	363.433				363.410	
+	1.195		1.673			
π	364.628	-8.680	8.679	-8.679		
—	9.875		10.352			
T.P.	354.753				354.731	F.B. 2241-43 (R6)
+	4.045		3.325			R6 on Rancho Line
π	358.798	-5.237	5.235	-5.237		1X2 & N. flush
—	4.282		9.063			
Set TBM 47	349.516				349.494	Set TBM 47 F.B. 2241-102 (P15B)
+	11.729		11.644			P15B on P Line & Inter. Rancho Line
π	361.245	+10.761	10.759	10.760		1" I.P. Pl. & Eng'r. Tag dn. 6"
—	0.968		0.885			
T.P.	360.277				360.254	F.B. 2241-43
+	11.144		11.721	9.163		62 ± S. Easterly fr. P15B
π	371.421	+2.472	2.476	2.474 2.473		Sq. ad. spk. in N. edge pvt. (Army Rd.)
—	8.672		9.245	8.710		
T.P.	362.749				362.728	

JOB NO. 2075.26 SURVEY OF Los Robles Ave. NOTES RED. DATE
SURVEY BY J.H. Brown
NOTES BY K.M.K. DATE 6-26-57 NOTES CHKD. DATE
INDEXED R.C. Johnson DATE

F.B. 2241 PG. 164

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

NOTES RED _____ JOB NO. 022516 SURVEY OF Los Angeles Ave.
DATE _____ SURVEY BY J.H. Brewer
NOTES CHKD C.R.G. NOTES BY C.W.K. DATE 5-24-57
DATE _____ INDEXED J. C. Johnson DATE _____

F.B. 2241 Pg. 165

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	362.749				362.728	
+	10.519		9.083			
=	373.268	+5.584	5.583	5.583		
−	4.935		3.500			
Set TBM 48	368.333				368.311	Set TBM 48 F.B. 2241-101 (P16)
+	0.933		1.238			P16 on P line
=	369.266	−5.177	8.975	−8.976		1" I.P. Pl. & Sight Tag dig. 6"
−	9.910		10.213			
T.P.	359.355				359.335	
+	5.493		5.208			
=	364.848	−5.745	5.745	−5.745		
−	11.238		10.953			
T.P.	353.611				353.590	
+	4.211		4.032			
=	357.822	−6.986	6.985	−6.985		
−	11.197		11.017			
T.P.	346.625				346.605	
+	2.227		2.396			
=	348.852	−9.353	9.351	−9.352		
−	11.580		11.747			
T.P.	337.272				337.253	
+	1.294		1.146	1.523		
=	336.566	−9.662	9.678	−9.668		
−	10.956		10.824	11.188		
T.P.	327.610				327.585	
+	2.994		2.244			
=	330.104	−8.998	8.998	−8.998		
−	11.492		11.242			
T.P.	318.612				318.587	

768420 S & E-353 4-54

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LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	318.612				318.587	
+	0.663		0.874			
π	319.275	-9.403	9.404	-9.403		
−	10.066		10.278			
T.P.	309.209				309.184	
+	0.832		0.938			
π	310.041	-9.894	9.892	-9.893		
−	10.726		10.830			
T.P.	299.315				299.291	
+	2.438		2.531			
π	301.753	-7.780	7.778	-7.779		
−	10.218		10.317			
T.P.	291.535				291.512	
+	0.507		0.589			
π	292.042	-9.653	9.655	-9.654		
−	10.160		10.244			
T.P.	281.882				281.858	
+	4.650		4.220			
π	286.532	-1.970	1.970	-1.970		
−	6.620		6.190			
Set TBM 49	279.912				279.888	Set TBM 49 F.B. 2241-100 (P17)
+	1.155		0.887			P17 on P Line
π	281.067	-10.393	10.393	-10.393		1" I.P. Pl. & Engr. Tag dn 6"
−	11.548		11.280			
T.P.	269.519				269.495	
+	1.689		1.393			
π	271.208	-9.583	9.586	-9.584		
−	11.272		10.979			
T.P.	259.936				259.911	

JOB NO. 0075.26 SURVEY OF Los Robles Ave. NOTES RED.
SURVEY BY J.H. Brown DATE
NOTES BY K.M.K. DATE 6-26-57 NOTES CHKD.
INDEXED K. C. Johnson DATE DATE

F. B. 2241 Pg. 166

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	259.936				259.911	
+	2.463		2.213			
π	262.399	-9.114	9.113	-9.113		
—	11.577		11.326			
T.P.	250.822				250.798	
+	0.231		1.083			
π	251.053	-8.813	8.813	-8.813		
—	9.044		9.896			
T.P.	242.009				241.985	F.B. 2241-99
+	6.461		6.256			542.25 S. westerly fr. P.17 on P line
π	248.470	+2.618	2.617	2.617		1X2 & N. flush
—	3.843		3.639			
Fd. TBM 2	244.627				244.602	Fd. TBM 2 Elev. 244.670 F.B. 2241-27
+	5.047		4.864			P.I. of Workman Mill Rd. per Pg. 16
π	249.674	-0.917	0.918	-0.917		Lg. Bt. spk. W. & T. in E. edge of pvt. (P.18)
—	5.864		5.782			
Fd. TBM 1	243.710				243.685	Fd. TBM 1 Elev. 243.745 F.B. 2241-27
+	4.071		3.837			Workman Mill Rd. (E. Side) on ℄ Prod.
π	247.781	-2.112	2.114	-2.113		63.23' S.E. of sm. bt. spk. see pg. 16
—	6.185		5.951			3/4" I.P. 15" below dirt shoulder
T.P.	241.598				241.572	
+	1.602		1.882	1.682		
π	243.200	-3.526	3.531	-3.528 3.527		
—	5.128		5.413	5.209		
Fd. TBM 4	238.072				238.044	Fd. TBM 4 Elev. 238.116 F.B. 2241-28
						Workman Mill Rd. (E. Side)
						Sm. bt. spk. in conc. hd. wall of culvert
						running parallel to Workman Mill Rd.
						(S. end)

No Adj [illegible]

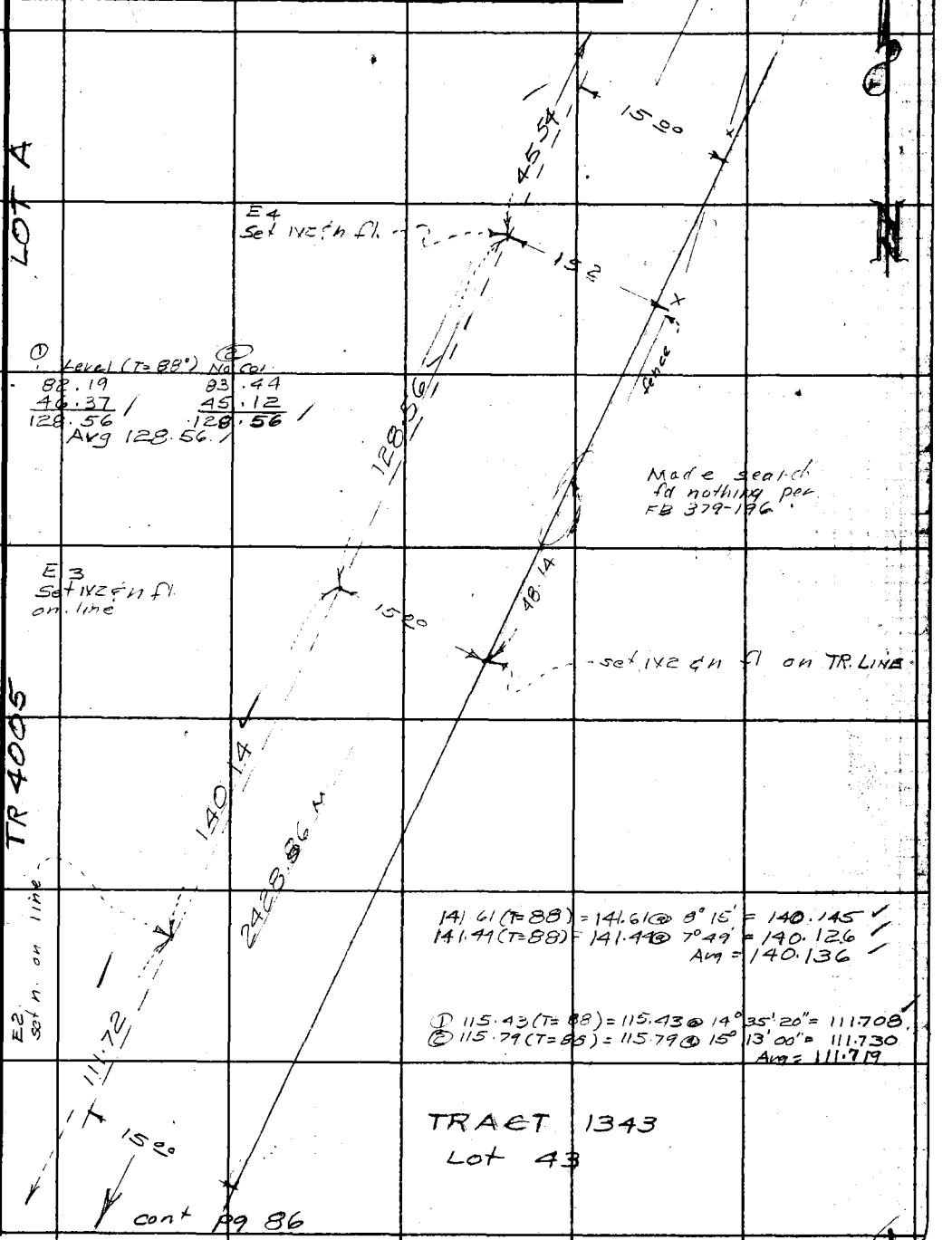
NOTES RED ____ JOB NO. 0075.26 SURVEY OF Los Robles Ave.
DATE ____ SURVEY BY J.H. Brown
NOTES CHKD. CRG NOTES BY K.M.K. DATE 6-26-57
DATE ____ INDEXED E. C. Johnson DATE ____

F.B. 2241 Pg. 167

Notes Ck'd by	Survey of Los Robles Ave
Map No.	JN 007526 Tape 125 Std 84 °F
Office Work	Surveyed by J.H. Brown
Checked J. F. McMILLAN	Notes J.H.B. Date 7-18-57
Date	Indexed E. C. Johnson 8-15-57

F. B. 2241 PG. 171

cont pg 172



① Level (T=88°) ② No Col

82.19	83.44
46.37	45.12
128.56	128.56

Avg 128.56

141.61 (T=88) = 141.61 @ 8° 15' = 140.145
141.44 (T=88) = 141.44 @ 7° 49' = 140.126
Avg = 140.136

① 115.43 (T=88) = 115.43 @ 14° 35' 20" = 111.708
② 115.79 (T=88) = 115.79 @ 15° 13' 00" = 111.730
Avg = 111.719

TRACT 1343
Lot 43

cont pg 86

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

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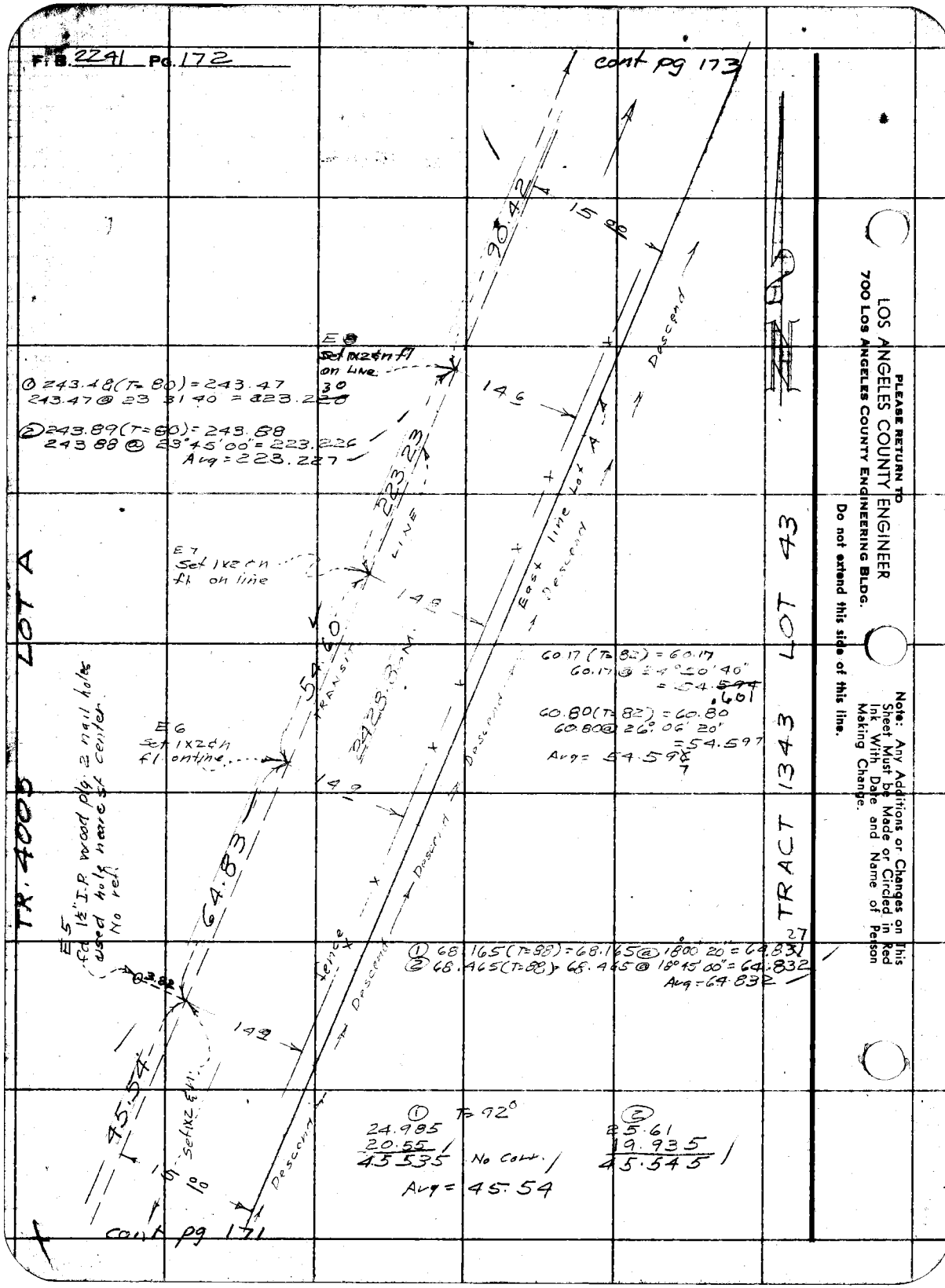
76F3095 S&E #247 1-56

F.B. 2241 Pg. 172



76F3098 S&E #247 1-56

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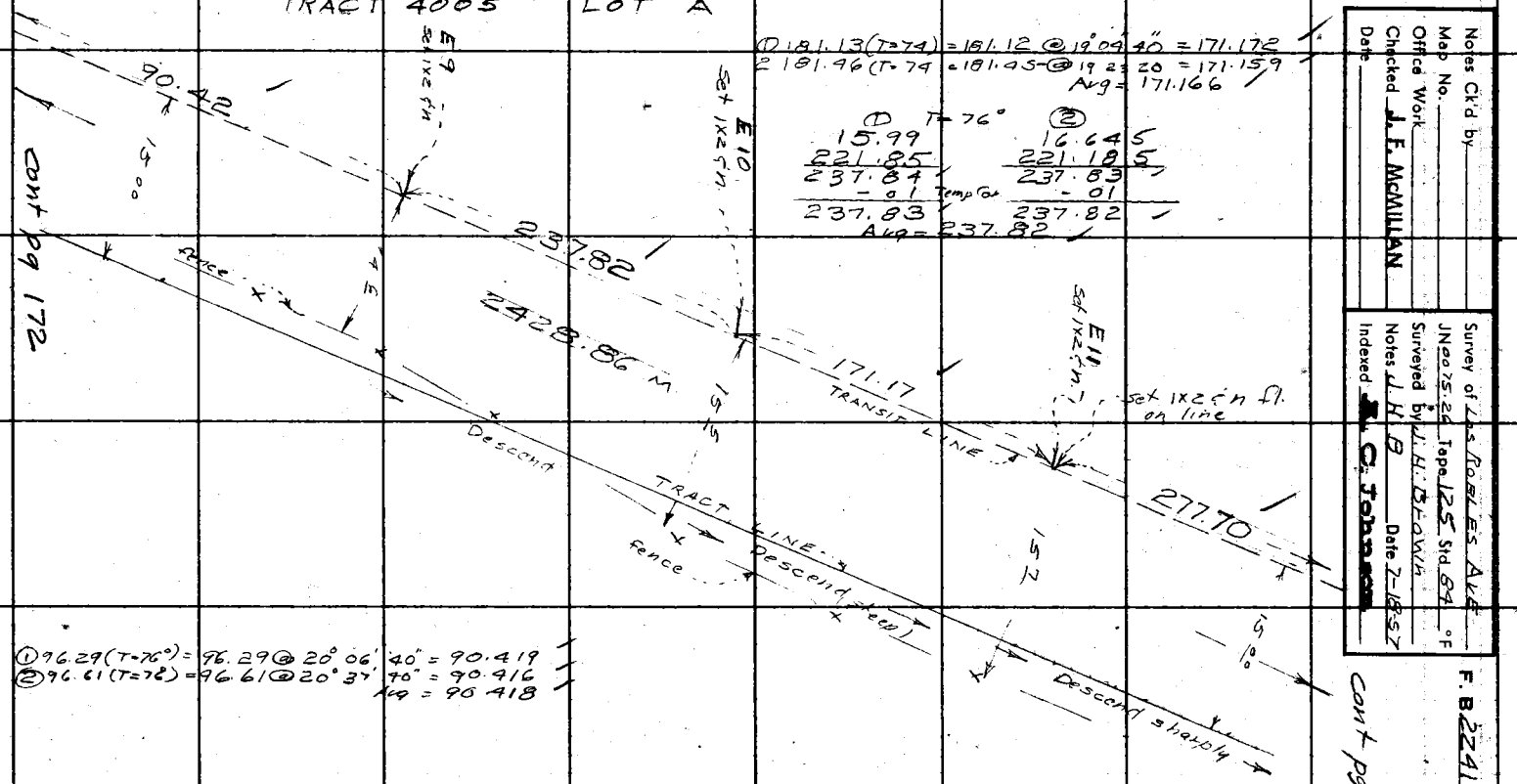
TRACT 4005 LOT A



① 181.13(T=74) = 181.12 @ 19°09'40" = 171.172
② 181.96(T=74) = 181.95 @ 19°23'20" = 171.159
Avg = 171.166

T = 76°

①	②
15.99	16.645
221.85	221.185
237.84	237.83
-.01 Temp Cor	-.01
237.83	237.82
Avg = 237.82	

① 96.29(T=76°) = 96.29 @ 20°06'40" = 90.419
② 96.61(T=76°) = 96.61 @ 20°37'10" = 90.416
Avg = 90.418

TRACT 1343 LOT 43

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

Survey of Los Angeles Area
JN 20 75.24 Tape 125 Std 64 °F
Surveyed by W. H. Brown
Notes J H B Date 7-18-57
Indexed W. C. Johnson

F. B. 2241 PG. 172

cont pg 175

cont pg 173

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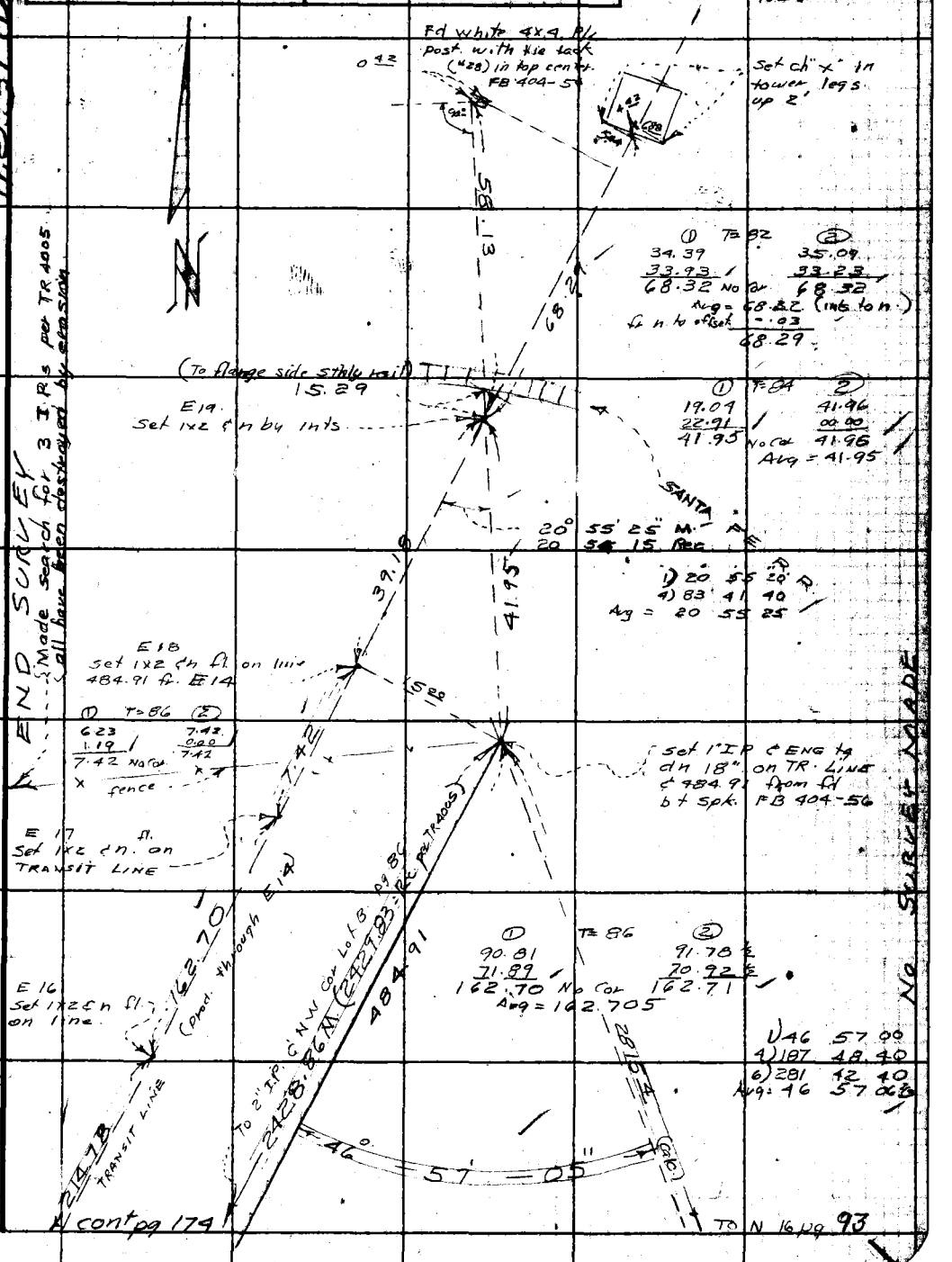
Notes Ck'd by	Survey of Los Robles Ave	F. B. 2241 Pg. 175
Map No.	JN 0075.26 Tape 125 Std 8.4 °F	END SURVEY
Office Work	Surveyed by J. H. Brown	
Checked J. F. McMILLAN	Notes J. H. B. Date 7-18-58	
Date	Indexed C. Johnson	



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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

Notes Ck'd by	Survey of Los Robles Ave
Map No.	JN 0075 26 Tape 125 Std 84 °F
Office Work	Surveyed by H. H. Brown
Checked J. F. McMILLAN	Notes J H B Date 7-3057
Date	Indexed R. C. Johnson 8-15-57

F. B. 2241 Pg. 177

HORIZONTAL ANGLES FOR LOCATION OF "TILT" CONTROL POINTS FOR PHOTOGRAMMETRY

Brown - note Kapp - T
Hill & Reuter - targets

July 1957

BP 1	pg 181	9/14/58
BP 2	pg 182.	9/11/58
BP 3	pg 178	9/24/58
BP 4	pg 178	
BP 5	pg 179	9/25/58
BP 6	pg 180	
March & April 1958	Brown-Kapp-Reuter-Nunez	
BP 7	pg 205	
BP 8	pg 210	
BP 9	pg 204	
BP 10	pg 203	
T-12	pg 78	
TBM 6	pg 19 & 28 & 202 ("T")	
AUX V	pg 212	
TBM #1	pg 209	
TBM 63	pg 203	
TBM 64	pg 203	
"V"	pg 21	
"AC"	pg 22	
"AB"	pg 211	
"Z"	pg 211	
AUX VII	pg 206	
AUX VIII	pg 206	
TBM 65	pg 207	
TBM 66	pg 208	
TBM 67	pg 211	
TBM 68	pg 87	
TBM 69	pg 202 also TBM #6 ("T") pgs 28 & 19	

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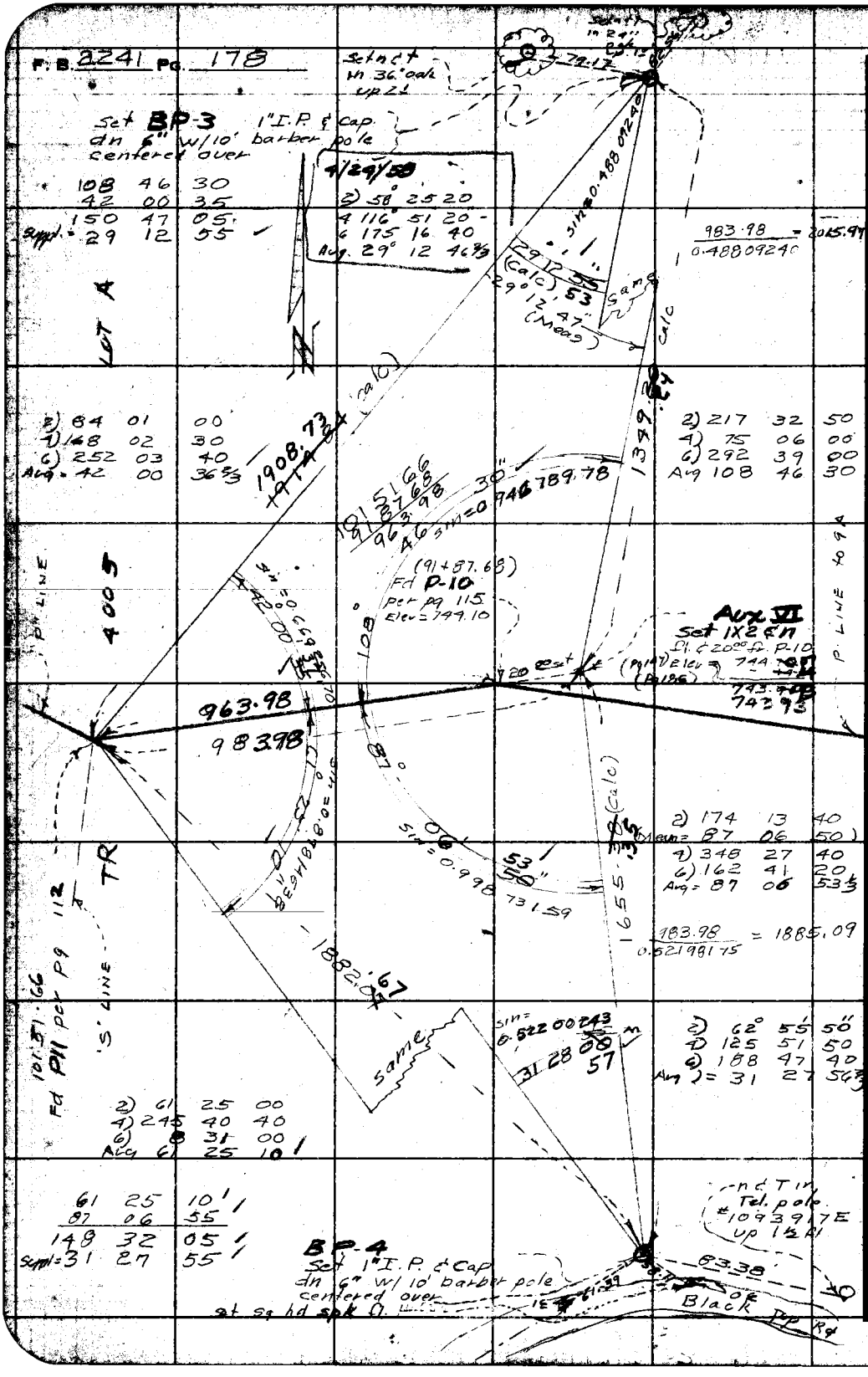
76F3088 S&E #247 1-56



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

Survey of Los Robles Ave F. B. 2291 Pg. 79
JN0075 & Tape 125 Std 84 °F
Surveyed by H. N. Brown
Notes H. H. B Date 7-57
Indexed E. 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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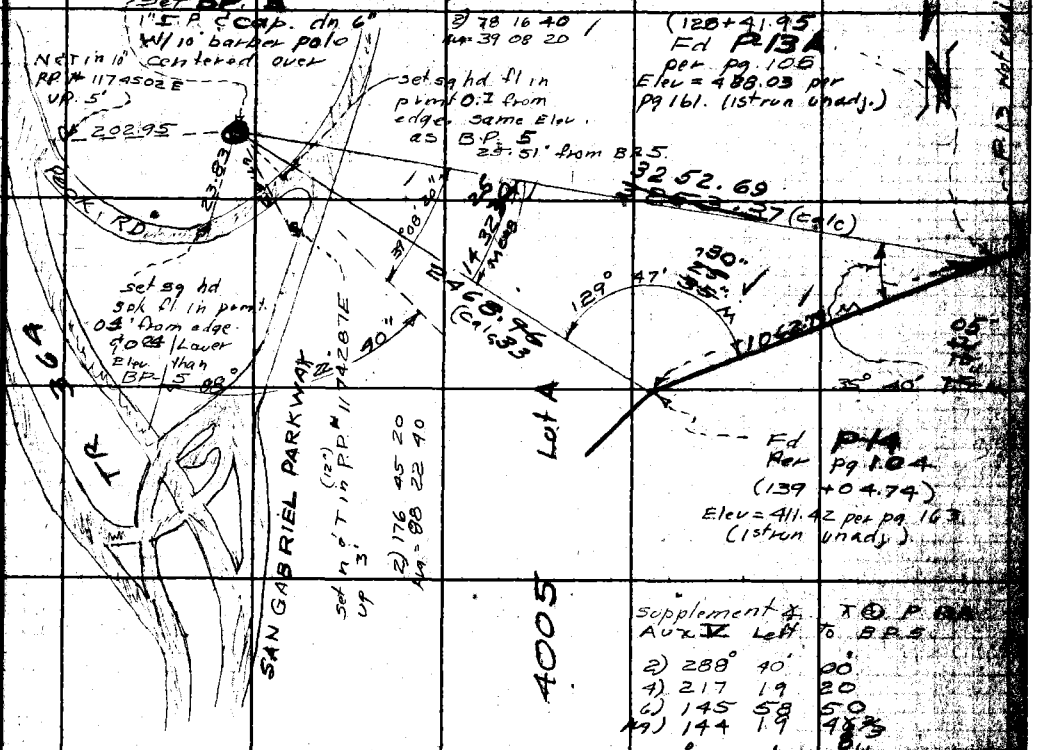

Supplement & TOPOA
Aux IV Left to BP 5

2)	288°	40'	00"
4)	217	19	20
6)	145	58	50
Avg	144	19	48⅓
	179°	59'	60"
	144	19	48⅓
	35	40	13⅓

calc ∠ at BP-5
35 40 13⅓
129 47 33⅓
165 27 46⅔
14 32 31⅓ = ∠0 BP 5
180 00 18

2)	259	35	10
4)	159	10	00
6)	58	45	20
Avg	129	47	33⅓ ✓

P 14 c 139+04.74 ✓
P 13A = 128+41.95 ✓
Dist = 10 62.79 ✓

Suppl. =

1062.79
Sin 14° 32' 15" = 4233.994
(0.251013600)

Sin 129° 47' 35" × 4233.994 = 3253.37
(0.766 39213)

Sin 35° 40' 15" × 4233.994 = 2468.96
(0.583 127 74)

2)	29°	05'	00"
4)	58	10	00
6)	87	15	10
Avg	14	32	31⅓ ✓

Rev 9/22/58

2)	29	05	00
4)	58	10	00
6)	87	15	00
Avg =	14	32	30

PURPOSE SAE #247 1-58

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7EF3098 S&E #247 1-56

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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 this side of this line.

Notes Ckd by
Map No.
Office Work
Checked J. F. McMILLAN
Date

Survey of Los Angeles Area
JN 20 75 76 Tape 125 Std 84 °F
Surveyed by U.H.B. Brown
Notes U.H.B. Date 2-57
Indexed J. F. McMillan

F. B. 224 Pg. 131

TR. 1343 LOT 43

Elev = 443.354 (1st run unadj.) pg 193
Fd 1X2 C.M.
AUX II = T1 pg 83

2)	95	05	10
4)	190	10	10
6)	285	15	20
	47	32	33½ ✓

2)	150°	9[illegible]	20
4)	301	32	40
6)	92	19	00
	75	23	10

Mcag 9/19/58 J.F.M.
set BP 1
1" capped I.P dn 6" w/10' barber pole centered over

2)	57	04	05
4)	47	32	35
6)	104	36	40
	75	23	20
	180	00	00

2)	114°	08'	00"
4)	228	16	20
6)	342	24	40
Avg	57	04	06⅔ ✓

520.42 M. 1½" I.P. pg 98
284.60 M.
451.39 M. (calc)
396.19' M (calc)
not to scale
N 57-04-05 E
0.9839 3½ 07
520.42
810.01 M.
810. per TR. 1343
520.42 / 0.967 660.27 = 537.781

AUX I
per pg 83
Elev = 389.866 pg 192 (1st run unadj.)

① T = 90°
320.405
+ 01
520.415 ✓
Avg = 520.42 ✓

② 520.42
+ 01
520.43 ✓

T = 98°

① 215.82½
68.75½
284.58 ✓
+ 03 Temp Cor
284.61 ✓
Avg = 284.60

② 216.41
68.16 ✓
284.57 ✓
+ 03
284.60 ✓

2)	179	58	40
4)	359	57	50
6)	179	56	20
Avg	89	59	23⅓

Fd 2" I.P. per pg. 83

END SURVEY

see pg 84

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

Survey of Los Robles Ave
W.O. 2875 2C Tape No. Std. °F
Surveyed by J. H. Brown
Notes J. H. B Date 7-30-57
Indexed J. C. Johnson

F. B. 224 Pg. 183

VERTICAL ANGLES TO ESTABLISH ELEVATIONS OFF "P" LINE AS CONTROL POINTS FOR "TILT" IN PHOTOGRAMMETRY

Brown - notes Kapp T
Hill & Recker - setting targets

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F.B. _____ HG _____ H.I. + _____

TRANSIT AT STATION _____

Sight on	+ Vertical Angle	Horizontal Distance	+ Vertical + Curvature - Distance Correction	Difference - Elevation Adjusted Diff. Elev.
			BP 1 pg 220	
			BP 2 pg 216	
			BP 3 pg 221	
			BP 4 pg 194	
			BP 5 pg 186 - 220	
			BP 6 pg 189	
			Aux I pg 215, 216	
			Aux IV pg 219	
			Aux VII pg 185	
			Aux VIII pg 188, 187, 189, 190	
			Aux VIII pg 188, 187, 189, 214	
			Aux XI pg 184, 191 - 196	
			Aux X pg 184, 191 - 196	
			P 11 pg 185	
			P 12 pg 218	
			P 13 pg 219	
			P 13A pg 189	
			P 14 pg 186	
			P 16 pg 185 - spirit Leads Circuit #12 pg 241 TBM 48	
			P 17 pg 190 TBM 49 pg 240	
			P 4 pg 190, 218, 222	
			P FA pg 190	
			P 5 pg 217	
			Aux I pg 215, 216	
			TBM 60 - 61 pg 198 (Pollisser Dairy)	
			TBM 62 pg 228	
			TBM 63 pg 214	
			TBM 64 pg 213, 222	
			TBM 65 } circuit #11	
			TBM 66 } circuit #11	
			TBM 67 pg 235 circuit #10	
			TBM 68 pg 231 circuit #9	
			TBM 69 pgs. 202 -	
			BP 7 pg 215, 214, 190	
			BP 8 pg 241 - 246 circuit #12	
			BP 9 pg 214, 217	
			BP 10 pg 213	

Orange Grove Ave #8 pg 225-230
Woodland
Workman Mill proposed.

76F3095 S&E #247. 8-54

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TRANSIT AT STATION AUX IX F.B. 2241 PG 181 H.I. + 5.38

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP1	10.00	D + 11° 25' 00" R 11° 24' 40" Avg 11° 24' 50" .201 887 65	451.39	+ 91.13 - 4.62 86.51			
BP1	4.00	D + 10° 40' 00" R + 10 40 00 Avg + 10° 40' 00" .188 349 47		+ 85.02 + 1.38 86.40			
TRANSIT AT STA. AUX X FB 2241 PGs. 181 H.I + 5.47							
BP1	10.00	D + 20 20 00 R + 20 20 00 Avg + 20 20 00 .370 572 55	396.79	+ 147.04 - 4.53 + 142.51			
BP1	6.00	D + 19 49 40 R + 19 49 40 Avg + 19 49 40 .360 569 91		+ 143.07 - 0.53 + 142.54			
TRANSIT AT STA. BP #4 FB 2241 PG 178 H.I + 5.77							
P11	5.47	D 12° 31' 00" R 12 30 40 Avg 12 30 50 (Tan = .221 949 00)	18 82.67	- 417.86 + 0.30 - 417.56			
AUX XI	5.62	D 11° 26' 00" R 11 26 20 Avg. 11 26 10 Tan = .202 286 48	16 55.35	- 334.85 + 0.15 - 334.70			

F.B. 2241 PG 184

76F309S S&E #247. 8-54

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TRANSIT AT STATION P 11 F.B. 2241 PG 112 H.I. +5.35

Sight on	Rod	± Vertical ∠ Angle	Horizontal Distance	± Vertical ∠ Distance	± Curvature Correction	± Difference = Elevation	Adjusted Diff. Elev.
BA3	9 00	D - 7° 46' 20" R - 7° 46' 00" Avg = 7° 46' 10"	1908.73 (Tan = .136439 69)	- 260.43 - 3.65 - 264.08			
	1 00	D - 8° 01' 00" R - 8° 00' 40" Avg = 8° 00' 50"	(Tan = .140788 03)	- 268.73 + 4.35 - 264.38			
BP4	10 00	D + 12 37 20 R + 12 37 40 Avg 12 37 30	1882.67 (Tan = .222398 465)	+ 421.69 - 4.65 417.04			
	8 00	D + 12° 35' 00" R + 12° 35' 00" Avg + 12° 35' 00"	(Tan = .222122 08)	+ 420.25 - 2.65 417.60			
TRANSIT AT STATION AUX VI FB 2241 PG 115; H.I. +5.20							
BP3	10 00	D - 14° 13' 20" R - 14° 13' 00" Avg 14° 13' 10"	1349.24 (Tan = .253 400 04	- 341.90 - 4.80 346.70			
	1 00	D - 14° 33' 20" R - 14° 33' 40" Avg 14° 33' 30"	(Tan = 259 704 08	- 350.40 + 4.20 346.20			
BP4	10 00	D + 11° 35' 00" R + 11° 35' 20" Avg 11° 35' 10"	1655.35 (Tan = .205 017 90	+ 339.38 - 4.80 334.58			
	2 00	D + 11° 20' 20" R 11° 20' 00" Avg 11° 20' 10" Tan = .200 475 22		+ 331.86 + 3.20 335.06			

Note AUX VI is 1x2 ft on line prod from P-11 through P-10 and is 20 00 Ely. from P-10 Elev = 744.07 - .14

TRANSIT @ P-10 H.I. = +5.70 + Rod on Aux VI = 5.82
@ AUX VI H.I. = 5.20 + Rod on P10 = 5.04

AUX VI is 0.14' Lower than P-10 = 743.93 Elev.

744.07 - 1.4 = 743.93

Diff Elev = -0.12
" " = -0.16
Avg = -0.14

Survey of: Pebbles Acres
W. O. 0075-24 Hope No. Sr'd. of
Surveyed by: J. H. B. Date 7-29-57
Notes: J. H. B.
Indexed: J. C. Johnson

Checked by: F. McMILLAN
Date
Map No.
Office Work

F.B. 2241 Pg. 112

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TRANSIT AT STATION P 13A F.B. 2241 PG 106 161 H.I. + 5.53

Sight on Rod	± Vertical ∠ Angle	Horizontal Distance	± Vertical ± Distance	± Curvature Correction	± Difference = Elevation	Adjusted Diff. Elev.
BP5 9.00	D - 4° 22 30	3252.69	- 248.69			
	R - 4° 22 10		- 3.47			
	Avg - 4 22 20		252.16			
	Tan = 0.076 458 14					
BP5 2.00	D - 4 30 20		- 256.15			
	R - 4 30 00		+ 3.53			
	Avg - 4 30 10	(Tan = .078 75049	252.62			
TRANSIT AT STATION P 14 FB 2241 PG 104 163 H.I. + 5.31						
BP5 9.00	D - 3° 58 30	2468.33	- 171.58			
	R - 3 58 40		- 3.69			
	Avg - 3 58 35	(Tan = 069 512 72	175.27			
BP-5 2.00	D - 4° 07' 00"		- 177.53			
	R - 4° 06' 40"		+ 3.31			
	Avg 4° 06' 50"	(Tan = 071 927 55)	174.22			
TRANSIT AT STATION BP 5 FB 2241 PG 179 H.I. + 5.68						
P13A 9.00	D + 4° 28 20	3252.69	+ 254.41			
	R + 4° 28 20		- 3.32			
	Avg + 4 28 20	(Tan = 078 21391	251.09			
P13A 5.00	D + 4° 24' 00"		+ 250.44			
	R + 4 24 20		- 3.68			
	Avg + 4° 24 10		251.12			
	(Tan = .076 99459					

F.B. 2241 PG 196

F. B. 2241 Pg. 187

Profile No. | Notes Red. | Plotted | Job No 2075-26 | Division No.
Date | Date | Survey of Los Robles Ave
X-Sec. No. | Notes Chkd. | Checked F. McMILLAN | Survey by J. H. B | Notes J. H. B Date 7-25-57
Date | Date | Map No. | Indexed E. C. Johnson Date 8-15-57

BENCH LEVELS
PICK-UP
TO ESTABLISH ELEVATIONS
ON AUX VII , AUX VIII
and an I.P. at N W Cor of
HILE TRACT.

Brown-notes Kapp-T
Hill & Reuter — rods

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

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76298 S & E #307—7-55

76298 S & E #307—7-55

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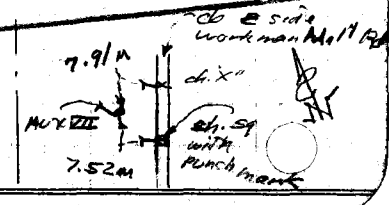
STATION	B. S.	H. I.	F. S.	ELEV.	
TP 5	5 57	249 10		243 53	Fd sm bt spk in top of curb (seam) per pg 26 (Elev = 243.534 (1st run unadj. 243.533
T.P.	6 21	250 90	4 41	244 69	sq hd spk
TP 7	5 96	252 73	4 13	246 77	Fd sm bt spk in pvmt per pg 26 Elev = 246.788 (1st run Unadj.)
set Aux VII			4 08	248 65	sq hd spk. & T.
			0 24	252 49	1½" I.P. N W COR HILE TR
Fd Aux VII	4 16	252 81	4 08	248 65	Fd. (above)
TP 7	4 08	250 86	6 03	246 78	
TP 6	4 17	249 03	6 00	244 86	Fd sq hd spk. per pg 26
TP 5			5 48	243 55	Fd (above) O.K.
TP. 1	5 44	241 78		236 34	Fd. wire spk Tel. pole # W 2347-Y Elev = 236.336 (1st run unadj.) pg 26
set Aux VIII			6 45	235 32	set n 18.59' from old ℄ WORKMAN MILL RD per pg 15
TP. 3	0 51	241 77		241 26	Fd sm bt spk Tel. Pole # W 2349-Y Elev = 241.262 (1st run unadj.) pg 26.
Aux VIII			6 45	235 32	set n. (above.)

4/2/58 checked ~~bot~~ TP1 & Aux VIII fd Aux VIII = 235.314.

Aux VIII Aver = 235.32

4/2/58 checked Aux VII & fd. to be same as above set elevation in on cb because destruction of Aux VII appears imminent (Telephone line)

Aux VII	5 122	253 776		248 654	
Ch. ☐ on cb			4 880	248 896	



F. B. 2241 Pg. 188 Job No. 0075.26 Division No. Notes Red. Plotted No. Profile
Survey of Los Robles Ave Date Date X-Sec.
Survey by H. H. Brown Notes U. H. B. Notes Chkd Checked No.
Indexed C. Johnson Date Date

76F309S S&E #247. 8-54

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TRANSIT AT STATION AUX VII F.B. 2241 PG 180 H.I. + 5.36

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP6	9 00	D + 5° 32' 40" R + 5° 32' 20" Avg. 5° 32' 30"	2921.20 (Tan = .097 023 09	+ 283.42 - 3.64 279.78			
	3 00	D + 5° 26' 20" R + 5° 26' 00" Avg. 5° 26' 10"	(Tan = .095 163 76	+ 277.99 + 2.36 280.35			
TRANSIT AT STATION AUX VIII FB 2241 PG 180 H.I. + 5.56							
BP6	9 00	D + 4° 12' 40" R + 4° 12' 20" Avg + 4° 12' 30"	4025.62 (Tan = .073 581 64	+ 296.21 - 3.44 292.77			
	2 00	D + 4° 06' 40" R + 4 06 20 Avg + 4° 06 30	(Tan = .071 827 09	+ 289.15 + 3.56 292.71			
TRANSIT @ STA BP6 FB 2241 PG 180 H.I. + 5.48							
AUX VIII (8)	8.45	D - 4° 07' 00" R - 4° 07' 20" Avg - 4° 07' 10"	4025.62 (Tan .072 022 01)	- 289.93 - 2.97 292.90			
AUX VII (7)	5.24	D - 5 28 40 R - 5 28 40 Avg - 5 28 40 (Tan = .095 897 62)	2921.20	- 280.14 + 0.24 279 90			

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

Survey of Los Robles Ave
W. O. 075-26 Tape No. Sta'd. °F
Surveyed by J. H. Brown
Notes J. H. B. Date 7-24-57
Indexed J. C. Johnson

F.B. 2241 PG 189

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TRANSIT AT STATION P 4 F.B. 2241 PG 125, H.I. + 6.15

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP 2	9 00	D + 12° 25' 00"	989.26	+ 217.80			
		R + 12° 25' 00"		- 5.95			
		Avg + 12 25 00		211.85			
		.220 169 22					
	2 00	D + 12° 02 00		+ 210.98			
		R + 12° 02 00		+ 4.15			
		Avg + 12° 02 00		215.03			
		.213 164 69					

TRANSIT AT STATION P 4A FB 2241 Pg 125 HI + 6.06

BP 2	10 00	D + 8° 07 00"	1314.32	+ 187.45			
		R + 8° 07 00"		- 3.97			
		Avg 8° 07 00		183.51			
		.142 617 81					
	2 00	D + 7° 46' 40"		+ 179 68			
		R + 7° 47 00"		+ 4.66			
		Avg 7° 46' 50"		183.64			
		.136 636 78					

TRANSIT AT STATION AUXILIARY FB 2241 PG 206 HI + 5.53

BP 7	10 00	D + 1°-18'-00"	1612.46	+ 36.67			
		R + 1°-18'-20"		- 5.47			
		Avg + 1°-18'-10"		31.20			
		(Tan = .0227 41679)					
	4 00	D + 1°-05'-40"					
		R + 1°-05'-40"		+ 30.80			
		Avg 1°-05 40		+ 1.53			
		Tan = .0191 0395		32.33			

F.B. 2241 Pg 190

76S420 S & E-353 4-54

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NOTES RED ____ JOB NO. 0075.26 SURVEY OF Los Robles Ave
DATE ____ SURVEY BY J.H. Brown
NOTES CHKD. ____ NOTES BY J.H.B. DATE 7-29-57
DATE ____ INDEXED J. C. Johnson DATE ____

F.B. 2241 Pg. 191

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	BENCH LEVELS TO ESTABLISH ELEVATIONS ON AUX IX & AUX X					
	Brown - notes		Kapp T			Hill rod #5 Reuter Rod #6
			CIRCUIT #5			
Fd BM 42-4	~~5 312~~	+0595	5231	5148	360 780	Fd BM 42-4 Elev = 360.780 (1954 adj)
	~~366 072~~	~~+0.584~~	0596	+0.596 0595		Gale Ave & 7th Ave on Approx ℄
	4 728		4635	4553		Gale Ave, 100.8' SE'ly fr. ℄ ints
	361.375 ~~361 364~~					County Surveyor Mon. Stamped
						"BM 42-4 1954 R.E. 63" - 10"
						below surface in H.H. F.B. 1363-180
set TBM 50	361.375		3212		361 376	set Fd. Bt spk. SE Cb Ret. middle
	3 309		2778			orange point "TBM 63 W" no ref.
	364 684	- 2779	5990	-2.778		
	6 088					
set TBM 51	358 596		7828		358 598	set Fd C.S. Mon in H.H. ℄ ints
	7 962	+3 852	3851	+3.852		Gale Ave & 7th Ave. (no ref.)
	366 558		3977			
	4 110					
TP	362.448			+4.449	362 450	bt spk S side Gale Ave
	6 648		6515	6719		
	369 096	+.4450	4457	4448		
	2 198		2058	2271		
T.P	366 898				366 898	bt spk S side Gale Ave

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	366898				366.899	bt spk (Last pg)
+	7900	/	7779	/		
⊼	374798	+4172	4174	+4.173		
−	3728		3605			
T.P	371070				371.072	bt spk S side pvmt Gale Ave
+	9243	/	9360	/		
⊼	380313	+8914	8912	+8.913		
−	0329		0448			
T.P	379984				379.985	bt spk N side pmt Gale Ave
+	9852	/	9778	/		
⊼	389836	+7335	7333	+7.334		
−	2517		2445			
T.P	387319				387.319	bt spk S side pvmt Gale Ave
+	5191	/	5085	/		
⊼	392510	-0341	0341	-0.341		
−	5532		5426			
set TBM52	386978				386.978	set Fd 2" I.P ℄ ints Gale Ave
+	3598	/	3421	/		per pg 83
⊼	390576	+0020	0019	+0.020		
−	3578		3402			
set TBM53	386998				386.998	set Fd L&T SWcor conc weir box
+	3742	/	3639	/		57.27 ft N of TBM 53 shown pg 83
⊼	390740	+0368	0366	+0.367		Marked with orange colored paint
−	3374		3273			"TBM 59W" no ref.
set TBM54	387366				387.365	set Fd 1x2 & n @ Aux X pg 83, 181
+	9567	/	9647			
⊼	396933	+9259	9259	+9.259		
−	0308		0388			
T.P.	396625				396.624	1x2 & n.

JOB NO. 0075.26 SURVEY OF Los Robles Ave NOTES RED
SURVEY BY J. H. Brown DATE J. T. McMILLAN
NOTES BY J. H. B. DATE 7-29-57 NOTES CHKD.
INDEXED A. C. Johnson DATE DATE

F. B. 224 / Pg. 192

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	396625				396.624	cont ⌂ last pg
+	10629		10737			
⊼	407254	+10208	10210	+10.209		
−	0421		0527			
T.P.	406833				406.833	1x2 on hillside
+	11550		11765			
⊼	418383	+11309	11310	+11.310		
−	0241		0455			
T.P.	418142				418.143	1x2 on hillside
+	11538		11707			
⊼	429680	+10894	10897	+10.896		
−	0644		0810			
T.P.	429036				429.039	1x2 on hillside
+	9409		9583			
⊼	438445	+9004	9004	+9.004		
−	0405		0579			
T.P.	438040				438.043	1x2 on hillside
+	~~8943~~	+5314	8802	8665		
⊼	~~446983~~	~~+5319~~	5313	+5.314 5314		
−	~~3624~~		3489	3351		
set TBM 55	443354				443.357	set 1x2 ⌂ in ⊙ AUX IX = T1 pg 83
+	1017		0928			
⊼	444371	-9046	-9044	-9.045		
−	10063		9972			
T.P.	434308				434.312	1x2 on hillside
+	4673		4772			
⊼	438981	-0477	-0479	-0.478		
−	5150		5251			
T.P.	433831				433.834	1x2 on hillside

NOTES RED. JOB NO. 0075.26 SURVEY OF Los Robles Ave
DATE SURVEY BY J.H. Brown
NOTES CHKD. NOTES BY J.H.B. DATE 7-29-57
DATE INDEXED J. C. Johnson DATE

F.B. 2241 PG. 193
J. F. McMILLAN

768420 S & S-283 4-54

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JOB NO. 007526 SURVEY OF Los Roble Ave NOTES RED
SURVEY BY L.H.B. DATE
NOTES BY J.A.B. DATE 7-29-57 NOTES J.C. McMILLAN DATE
INDEXED J. C. Johnson DATE

F.B. 2291 Pg. 194

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	433831				433.834	cont from Last pg
+	7144	/	7092			
−	440975	+1436	1437	+1.436		
⊼	5708		5655			
set T.B.M 56	435267				435.270	set Fd. 2" I.P. E line TR. 1343' TR 4005
+	11896	+10731	11988	11888		pg 83. dn 2"
⊼	447163	+10730	10730	10731		
−	1158		1258	1157		
T.P	445998				446.000	1x2 on hillside
+	10740	+10212	10962			
⊼	456738		10214	+10.213		
−	0528		0648			
T.P.	456210				456,213	1x2 stk on hillside
+	11805	/	11695			
⊼	468015	+9217	9217	+9.217		
−	2588		2478			
T.P.	465427				465.430	set on top cont. wall boo
+	6658	/	6682			
⊼	472085	+1210	1212	+1.211		
−	5448		5470			
TBM 57	466637				466.641	set Fd 2" I.P. ODA T shown pg 82
+	7874	/	7755			used A (lower side)
⊼	474511	-2559	-2558	-2.558		ground 2' NW is 0.13' Lower.
−	10433		10313			
T.P.	464078				464.083	1x2 on hillside
+	6807	/	6688			
⊼	470885	+2728	2727	+2.728		
−	4079		3961			
T.P.	466806				466.811	1x2 on hillside

768420 S & E-383 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	466806				466.811	1x2 cont fr last pg
+	2706	/	2832			
⊼	469512	-8727	8726	/ +8.726		
—	11433		11558			
T.P.	458079				458.085	1x2
+	6749	/	6668			
⊼	464828	+5620	5620	/ +5.620		
—	1129		1048			
T.P.	463699				463.705	1x2
+	8318	/	8222	/		
⊼	472017	+3610	3612	+3.611		
—	4708		4610			
T.P.	467309				467.316	1x2
+	4943	/	4855	/		
⊼	472252	+1071	1072	+1.072		
—	3972		3783			
set T.B.M	468380				468.388	set Fd 3/4" I.P. 20.08 fr T8 per pg 81
58 +	6760	/	6589	/		
⊼	475140	+4538	4539	+4.538		
—	2222		2050			
T.P.	472918				472.926	1x2
+	5838	/	5976	/		
⊼	478806	-0915	0914	-0.914		
—	6803		6890			
Fd TBM 20	472003				472.012	Fd. TBM 20 Elev = 471.992 (1st run unadj.) pg 133.
+	5352	/	5290			
⊼	477355	+0441	0440	/ +0.440		P2 pg 80 1" I.P. dn 24
—	4911		4850			near ints. TR LINE & ℄ Los Robles Ave
Fd TBM 21	472444				472.452	Fd TBM 21 Elev = 472.441 (1st run unadj) pg 133. Bt spk in walk to No. # 14410

NOTES RED. JOB NO. 007526 SURVEY OF Los Robles Ave
DATE SURVEY BY J.H. Brown
NOTES CHKD McMILLAN NOTES BY J.H.B. DATE 7/29/57
DATE INDEXED C. Johnson DATE

F.B. 2241 Pg. 195

F. B. 2241 Pg. 197

NOTES RED. • JOB NO. 0075.26 SURVEY OF LOS ROBLES Ave.
DATE SURVEY BY J. H. Brown
NOTES CHKD M. MILLAN NOTES BY J. H. B. DATE 8-2-57
DATE INDEXED C. Johnson DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
					CIRCUIT #6	0075.26 LOS ROBLES AVE. BENCH LEVELS from BM 11-125 to FLOOD CONTROL MON. BM 99-610 8-2-57 J.H. Brown K.M. Kapp C.H. Hill H.C Router

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765420 S ★ E-353 4-54

765420 S & E-353 4-54

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JOB NO 2225.26 SURVEY OF 405 ROBLES AVE. NOTES RED
SURVEY BY J.H.E. DATE J.F. McMILLAN
NOTES BY J.H.E. DATE 8-2-57 NOTES CHKD
INDEXED C. Johnson DATE
F.B. 2224/Pg. 198

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd BM 11-125	242.472				242.472	Fd BM 11-125 Elev = 242.472 FB 1376-112
+	5682	/	5427			Workman Mill Rd. 0.45 mi. SW. U.P.R.R.
⅄	248.154	+3174	31.75			C.S. br. Sap Mon. dr. 10" in H.H., Stamped
-	2508		2252			"BM 11-125 1952 R.E. 63"
set T.P	245646				245.646	set bt spk in tel. P. No # UP 1/2
+	1749	/	1865			
⅄	247395	-1578	-1578			
-	3327		3443			
TBM 9	244068				244.068	Fd Ct spk + W 2' above ground Elev = 244.097 (Not Known Yet) Tel P. # 1090-Y
Fd BM 11-125	242 472				242.472	Fd BM 11-125 see above.
+	~~6793~~		7416	7554		
⅄	~~249.265~~	~~-0385~~	0.391	-0393		
-	~~7178~~		7025	7161		
set TBM #59	~~242.087~~ 242.079				242.079	set Fd spk w ⊄ T dn 1 ft. 54.59' on ℄ prod. to North. pg 22
+	5135	/	5052			
⅄	247.22~~3~~ 14	+0.693	0.691			
-	4442		4361			
T.P.	242.7~~80~~ 72				242.771	set B.T. spk in N. side P.P. #927019E up 1' on N. side Workman Mill Rd.
+	2118	/	2042			
⅄	244.87~~2~~ 9	+1.559	1.560			
-	0559		0462			
T.P.	244.33~~2~~ 1				244.331	set B.T. spk. in N. side P.P. #927020E up 1' on N. side Workman Mill Rd.
+	1913	/	1878			
⅄	246.25~~5~~ 23	+1.508	1.508			
-	0405		0270			
T.D	245.8~~49~~ 77				245.839	set Lg B.T. spk 1' N. side P.P. #619732E up 1' N side WORKMAN MILL Rd. at Pellissier Dairy

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	245.839				245.839	See Last pg
+	3.569		3508			
π	249.408	-1309	-1309			
−	4.878		4817			
TBM #60	244530				244.530	Set TBM #60 Elev.
	4772		4646			Set 1g Bt spk in conc curb at
	249302	-2717	2716			base of ret wall bet Pellisier
	7489		7362			Dairy Farms Building & driveway
~~TBM~~	~~241821~~					to front entrance. 6' NE of SW end
						Middle of 10" wide curb up. 0.5
						above driveway
TBM #61	241813				241.814	Set TBM #61 Elev.
+	4962		4909			
π	246775	+4024	+4024			Fd brass cap Flood Control Mon
−	0938		0885			stamped "BM 99-610". Fl. with
						top of conc. at NW end of 2'
						culvert. 2.1' SW of center of pipe
						& 8" SE of NW edge. No ref
T.P.	245837				245.838	Bt spk PP# 619732E
+	0460		0450			See above Pg. 198
π	246297	-1.508	1508			
−	1968		1958			
T.P.	244329				244.330	BT spk PP# 927020E
+	0868		0770			See above Pg. 198
π	245197	1.555	1.556			
−	2423		2326			
T.P.	242774				242.774	BT spk PP# 927019E
						shown pg. 198

NOTES RED. JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE.
DATE SURVEY BY J. H. Brown
NOTES CHKD. McMILLAN NOTES BY J. H. B. DATE 8-5-57
DATE INDEXED C. Johnson DATE

F. B. 2241 Pg. 199

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	242774				242.774	cont fr. last pg
+	4396		4202			
⊼	247170	-0.692	0690			
−	5088		4892			
TBM 59 ~~T.P.~~	242082				242.084	Bt. spk. in conc. dn. 6"
+	7470		7368			See Pg. 22
⊼	249552	+0.390	0391			
−	7080		6977			
Fd BM. 11-125	242472				242.474	B.M. 11-125 Elev. 242.472 F.B 2241-198
+	5615		5557			for descrip. FB 1376-112
⊼	248087	+1.593	1596			
−	4022		3961			
Fd TBM 9	244065				244.068	Fd TBM 9 Elev = 244.097 (1st
+	3458		3302			run unadj.) per pg 29
⊼	247523	-1.289	1289			Lg. bt. spk. in Tel. P. #W-1090-Y
−	4747		4591			
Fd TP 19	242776				242,779	Fd sm bt spk in pmt per pg 29.
						Elev = 242.807 1st run unadjus +

(Note: BM 11-125 appears to be rising.

JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE. NOTES RED.
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 8-5-57 NOTES CHECKED
INDEXED C. Johnson DATE DATE

F.B. 2241 Pg. 200

NOTES RED. JOB NO. 2075-26 SURVEY OF LOS ROBLES AVE.
DATE SURVEY BY J.H. Brown
NOTES CHKD. J.P. McMILLAN NOTES BY J.H.B. DATE 8-5-57
DATE INDEXED A. C. Johnson DATE

F. B. 2241 PG. 201

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DESCRIPTION	BENCH LEVELS Set Elevation on Flood Control MON. "BM 99 F 48."
ADJ. ELEV.	J.H. Brown K.M. Kapp C.H. Hill H.C. Reuter
3RD RUN	Aug. 5, 1957
2ND RUN	CIRCUIT #7
DIFF.	
1ST RUN	
B.M.	

76S420 S & E 253 4-54

768420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd TBM7	237.836				237.838	Fd TBM #7 Elev = 237.~~836~~ 838 (1st run unadj)
+	5141	/	5091			pg. 28 & 29
⊼	242977	+1.532	1533	+1.532		Workman Mill Rd NW side Fd
−	3609		3558			brass capp Mon on ℄ Prod
						52.5 N'thy from P.I. as shown pg 28
						Marked "STATE OF CALIF DIV. OF
						HWYS." dn 10' below surface of
						road at P.I.
Fd TBM6	239368				239.370	Fd TBM #6 Elev = 239.379 (1st run unadj)
+	3545	/	3488			pg 23 (TBM #'T' pg 239)
⊼	242913	-2583	-2582	-2.582		Fd Lg Bt spk w CT @ PI
−	6128		6070			WORKMAN MILL RD ft. per
	~~236785~~					pgs 19 & 28.
Fd TBM ~~61~~ 69	236785				236.788	Fd. br. cap. Mon
+	5127	/	5175			Workman Mill Rd NW side
⊼	241912	+3979	3977	+3.978		in W end of headwall on N side
−	1148		1198			San Jose Creek. Std FLOOD
Fd TP	240764				240.766	CONTROL MON stamped "BM 99F48
						No ref.
						— LGT in conc rail

RERUN 4/58 / See circuit #11 pgs 239 & 240

JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE. NOTES RED
SURVEY BY J. H. Brown DATE
NOTES BY J. H. B. DATE 8-5-57 NOTES CHKD
INDEXED C. Johnson DATE DATE

B. 2241 Pg. 202

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

Survey of LOS ROBLES AVE
JN 007526 Tape 84 Std 84 °F
Surveyed by J. H. Brown
Notes J. H. B. Date 3/26/58
Indexed A. O. Johnson 5-9-58

F. B. 2241 Pg. 203

TRANSIT @ BP 10 Elev =

① 273.68 (T = 80) = 273.67
@ {38° 12 00" / -38 12 20} -38 12 10 Sin = (.61844649)
Cos = (.78582691)
Horizontal dist = 215.057

② 273.07 (T = 80°) = 273.06
@ {38° 02 40 / -38 03 00} = 38°02 50 Sin = .61631073
(Cos = .78750307)
Horizontal dist = 215.043

③ 272.47 (T = 80) = 272.46
@ {-37° 51 40 / -37 52 00} -37 51 50 Sin = .61378775
(cos = .78947109 mean ① ② .054 (calc))
Horizontal dist = 215.10
vert diff (tape) - 167.20
= .0.95
vert diff (points) = - 168.15

Avg diff Elev = 168.22
Avg Hor. dist ① & ② = 215.050

⊼ =	+ 5.05
(Rod on 1x2 + n =	- 4.00
⊼ - Rod	+ 1.05
diff elev tape =	- 169.25
vert diff (below 1x2 + n)	- 168.20
⊼ =	+ 5.05
Rod on 1x2 + n	- 5.00
⊼ - Rod	+ 0.05
diff elev tape =	- 168.30
vert diff (below 1x2 + n) =	168.25
⊼ =	+ 5.05
Rod on 1x2 + n	- 6.10
⊼ - Rod =	- 1.05

② 119 48 50
④ 239 37 40
⑥ 359 26 40
Avg 59 54 26⅔

233.18 Rec / - 29.86 Rec / 203.32 Total Rec
118.21 M / 85.10 M / 203.31 M
Set n @ 90°

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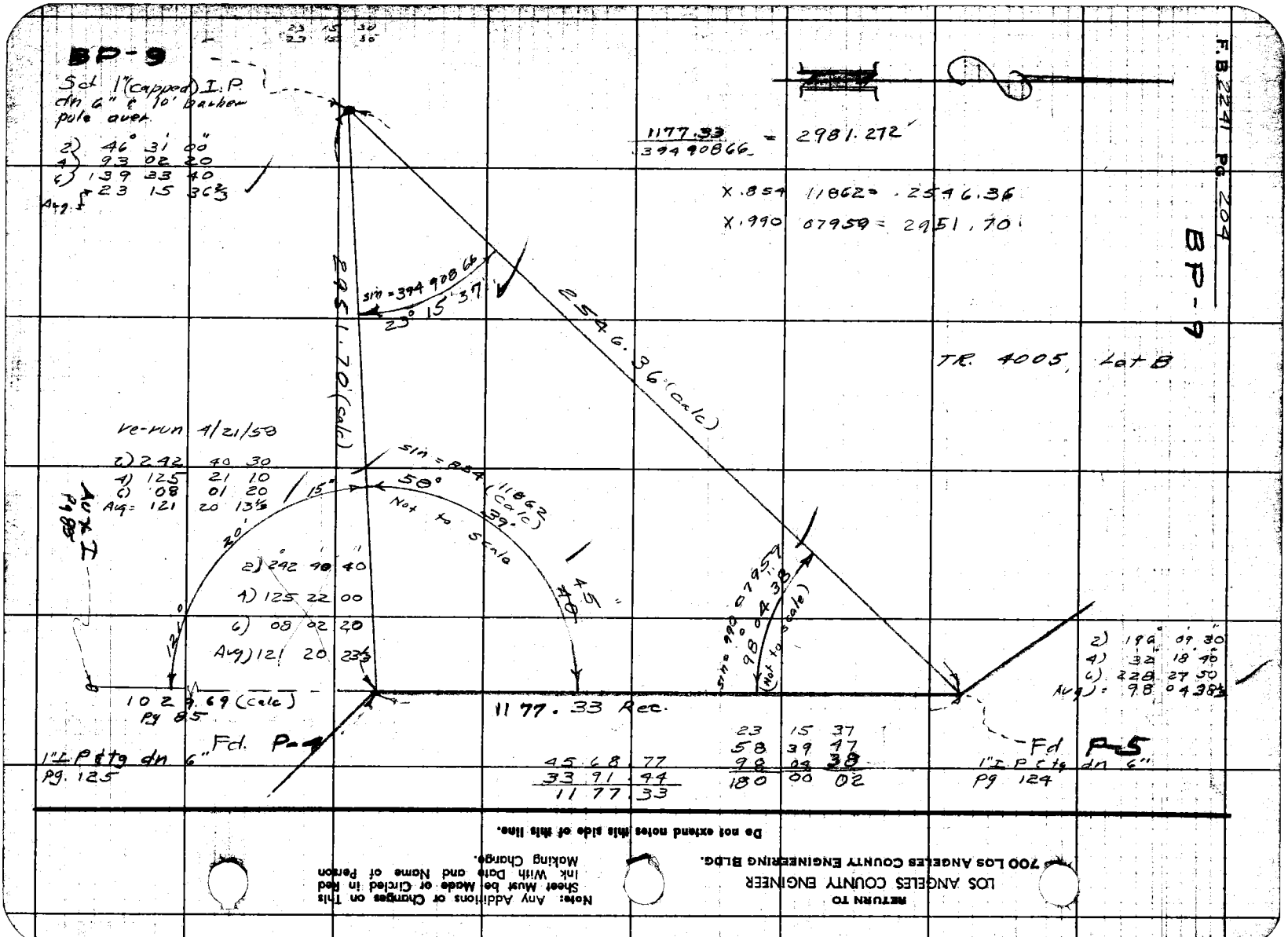

F.B. 2241 PG 204
BP-9
BP-9
Set 1" (capped) I.P. dn 6" & 10' barber pole over
2) 46° 31' 00"
4) 93 02 20
6) 139 33 40
Avg. 23 15 36⅔
23 15 30
23 15 36
1177.33 / .39490866 = 2981.272
X .854 11862 = 2546.36
X .990 07959 = 2951.70
sin = 394 908 66
23° 15' 37"
2951.70 (calc)
2546.36 (calc)
TR. 4005, Lot B
Re-run 4/21/58
2) 242 40 30
4) 125 21 10
6) 08 01 20
Avg = 121 20 13⅓
Aux I Pg 85
sin = .854 (11862 calc)
58°
39°
15"
20'
Not to scale
45"
40"
2) 242 40 40
4) 125 22 00
6) 08 02 20
Avg) 121 20 23⅓
sin = 990 07959
98 04 38
(Not to scale)
2) 196 09 30
4) 32 18 40
6) 228 27 50
Avg) = 98 04 38⅓
1029.69 (calc)
Pg 85
1177.33 Rec.
Fd. P-4
1" I.P. & tg dn 6"
Pg. 125
45 68 77
33 91 44
11 77 33
23 15 37
58 39 47
98 04 38
180 00 02
Fd P-5
1" I.P. & tg dn 6"
Pg 124
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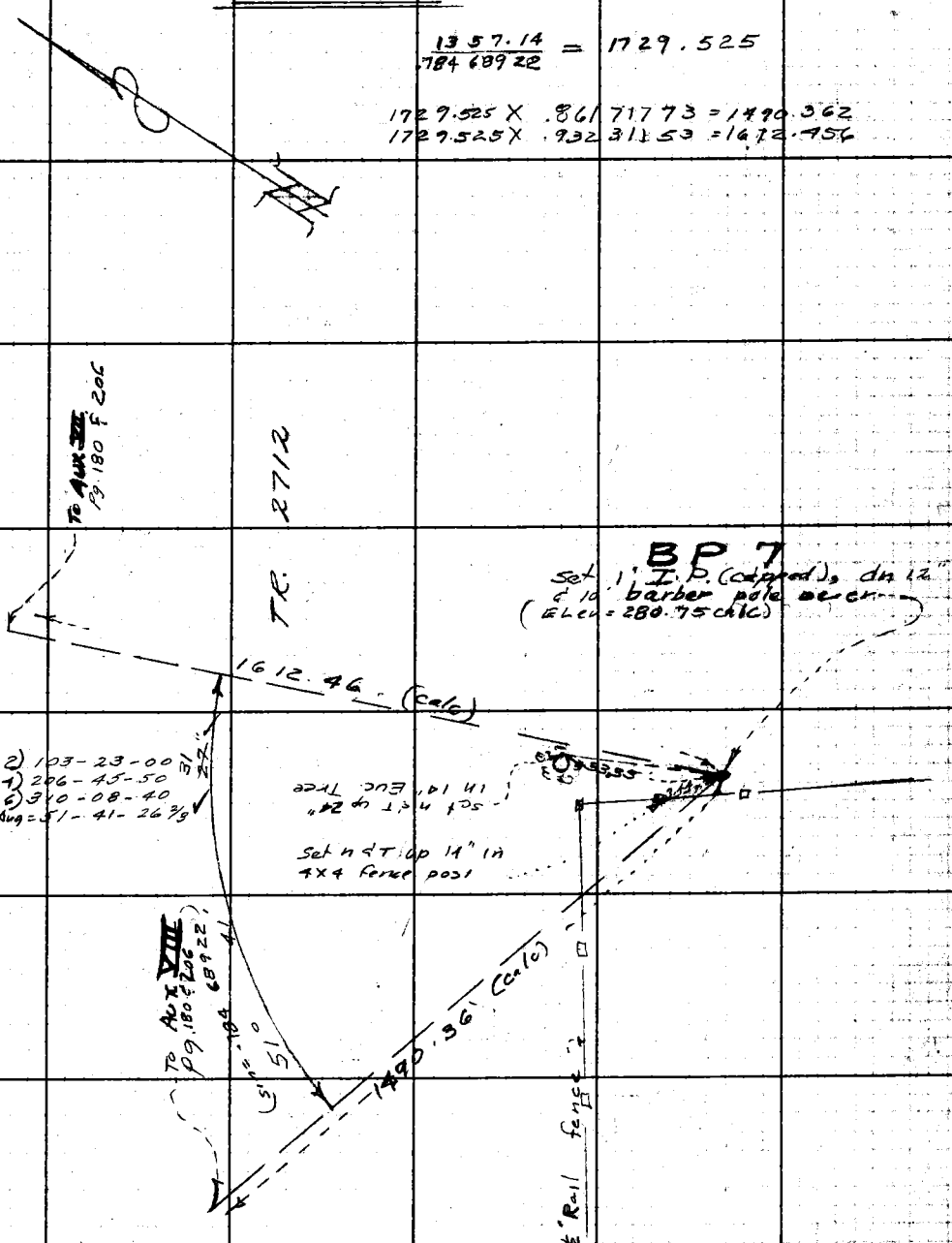
Notes Ck'd by	Survey of Los Robles Ave
Map No.	JN 0075-26 Tape 84 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked J.F.McM.	Notes J. H. B Date 3/31/58
Date	Indexed A. C. Johnson

F. B. 2241 PG. 205

BP 7

$\frac{1357.14}{.784\ 689\ 22} = 1729.525$

1729.525 X .861 717 73 = 1490.362
1729.525 X .932 311 53 = 1612.456



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F. B. 2241 PG 206

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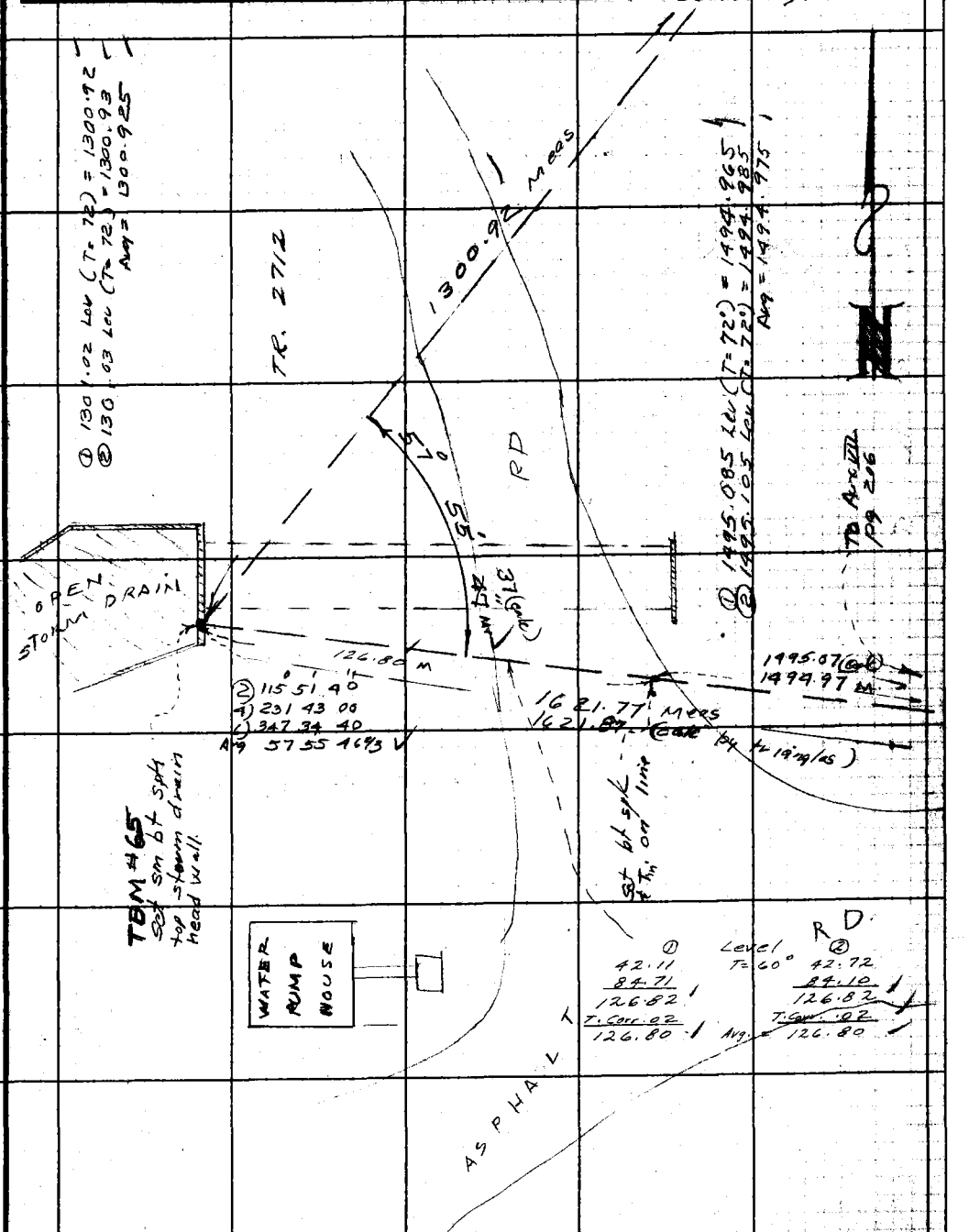
Map No.	JN 0075.26 Tape 84 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked J F McM	Notes J. H. B. Date 4/58
Date	Indexed ~~E. O. Johnson~~

F. B. 2241 Pg. 207

Cont. Pg. 208



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F.B. 2241 Pg. 208

① 1078.90 Lev (T=60) = 1078.73
② 1078.90 Lev (T=60) = 1078.73
Avg = 1078.73

Fd L&T in conc. base of signal control vault north

4.54 M.

To TBM #1 Pg. 209

TR. 2712

1078.73 (M.)

1019.27

Set 1" (capped) I.P. dp 12" below surface of sub-grade. on Line bet L&T & TBM #65

TBM #66

2) 221 33 30
4) 83 06 40
6) 304 40 20
Avg 110 46 43⅓

To 3/4" I.P. (TBM #1) 18.59 E of ℄ WORKMAN MILL RD pg 209

Re-Run

2) 221 33 20
4) 83 07 00
6) 304 40 40
Avg 110 46 46⅔

2) 77 02 40
4) 154 05 00
6) 231 07 40
Avg 38 31 16⅔

43"
47
38° 31
110°
110
46
46
30" (calc)
72° 15'
1442.997
1442.970
1442.95
1442.951

1300.92 (M.)

1078.73 X sin 93° 11' 52"
sin 48° 16' 52" = 1442.997

900.09 X sin 93° 11' 52
sin 38° 31' 15" = 1442.970

1621.87 X sin 57° 55' 37"
sin 72 15 30 = 1442.95

1300.92 X sin 57° 55' 37'
sin 49° 48' 53" = 1442.951

To TBM 65 pg 207

U.P.R.R.

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Notes Ck'd by	Survey of Los Robles Ave
Map No.	JN 007.5.22 Tape 84 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked JFMcM	Notes J.N.B. Date 4/58
Date	Indexed C. Johnson

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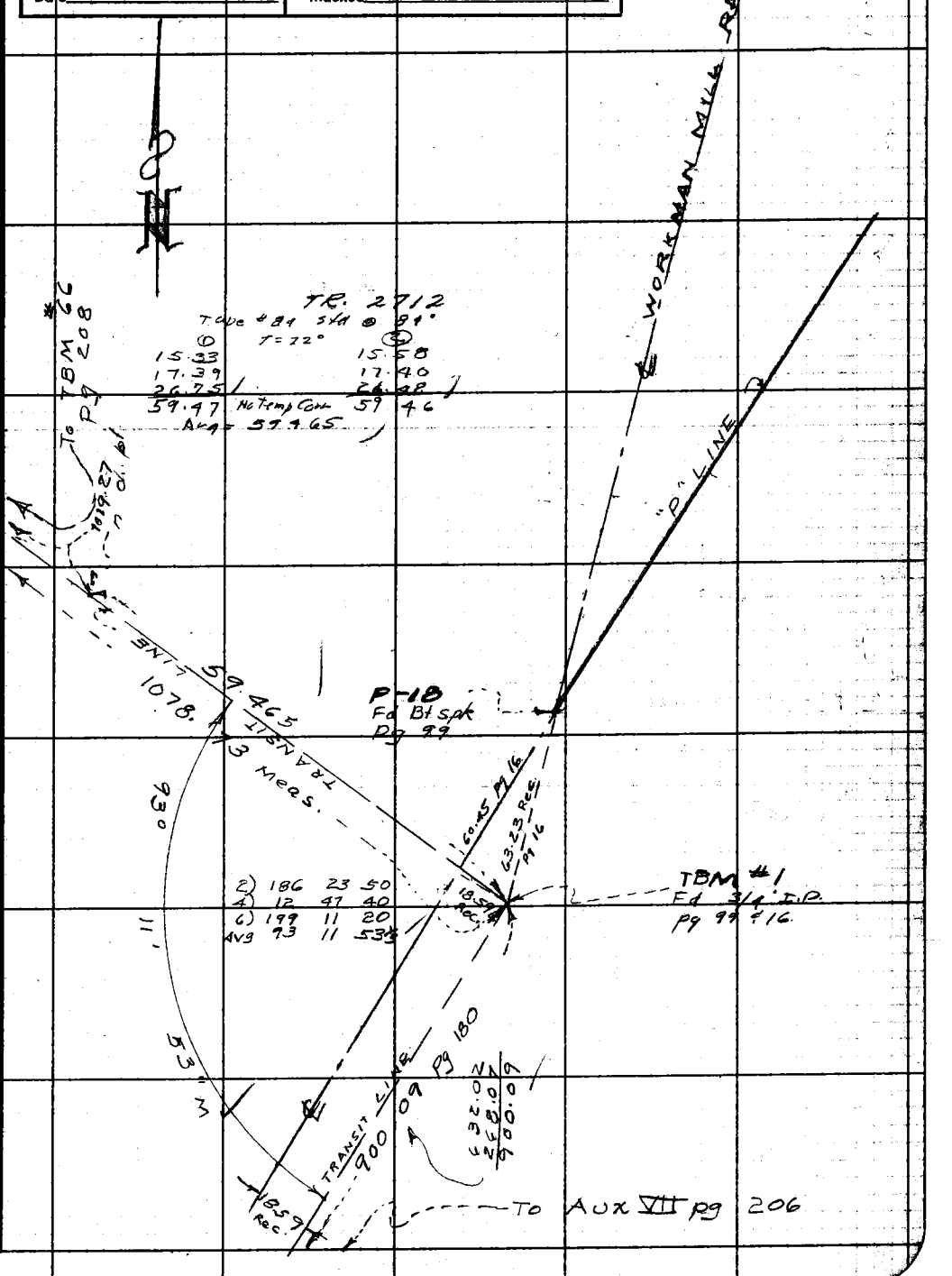
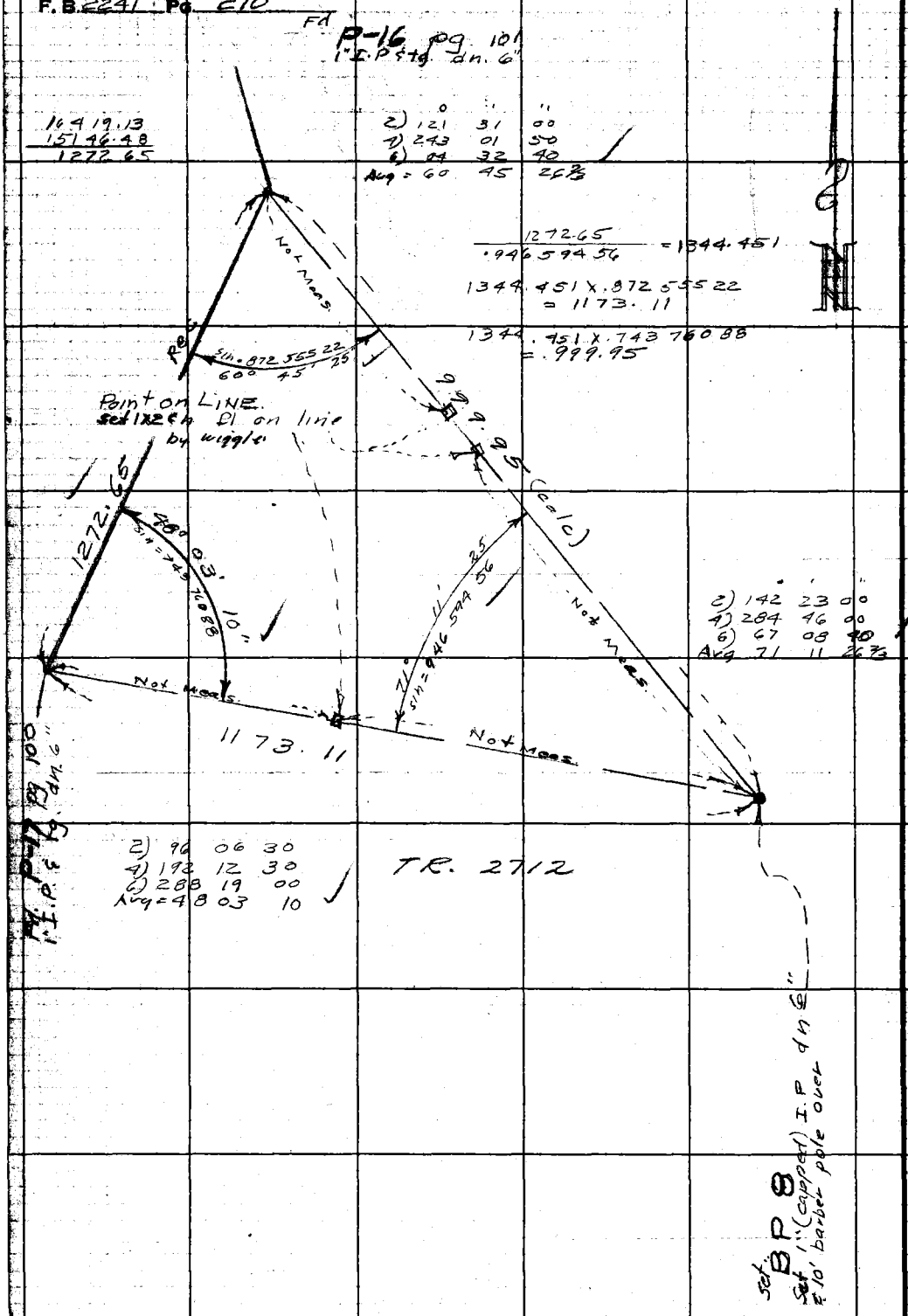


F.B. 2241 Pg. 210



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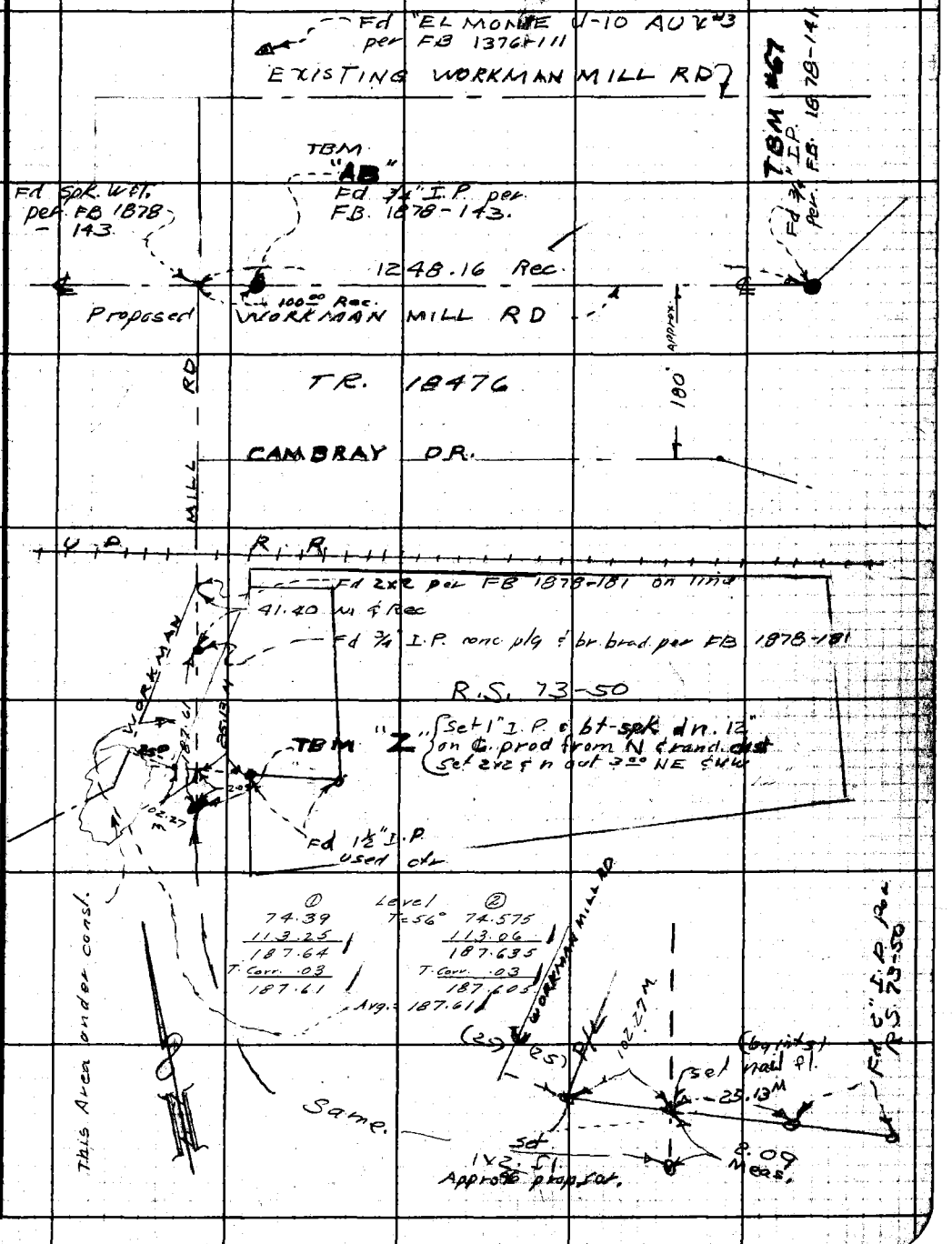
Notes Ck'd by	Survey of Los Robles Ave
Map No.	JN 0075.26 Tape 125 Std 84 °F
Office Work	Surveyed by J. H. Brown
Checked J F McM	Notes J. H. B Date 7/58
Date	Indexed K. C. Johnson

F. B. 2241 PG. 211



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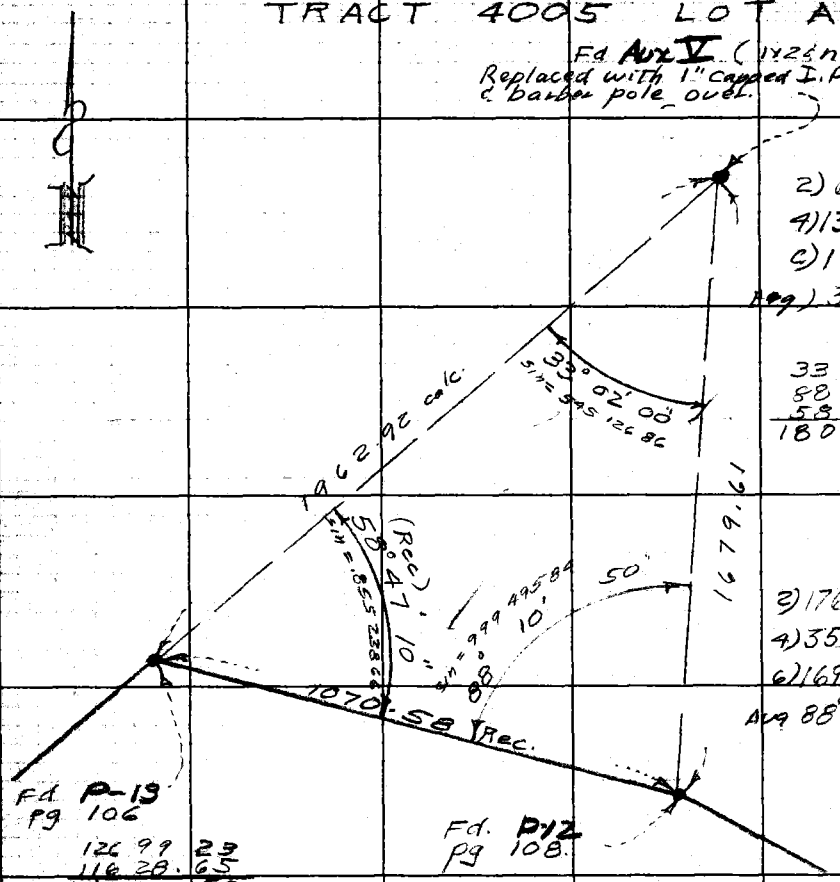
76F309S CE #247—3-57

F.B. 2241 Pg. 212

TRACT 4005 LOT A

Fd Aux V (1x2 in. flush.
Replaced with 1" capped I.P. dn 1'
c barber pole over.



33 02 00
58 10 50
58 47 10
180 00 00

126 99 23
116 28.65
10 70 58

1070.58 / .545 126 86 = 1963.910

1963.91 X .999 495 84 = 1962.92
1963.91 X .855 238 66 = 1679.61

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76F309S S&E #247. 8-54

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726 LOS ANGELES COUNTY
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TRANSIT AT STATION BP 10 F.B. 2241 PG 203 H.I. + 5.05

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
TBM 64	9.00	D - 7° 22' 40" R - 7° 22' 40" Tan = 0.12948275 Avg. 7° 22' 40"	3137.14	- 406.21 - 3.95 410.16			
	6.00	D - 7° 26' 00" R - 7° 26' 20 tan = 0.13051826 Avg 7° 26 10		- 409.45 - 0.95 410.40			
TBM 63	9.00	D - 7° 24' 20" R - 7° 24' 40" Avg 7° 24' 30" Tan = 0.130025 23	2721.13	- 353.81 - 3.95 357.76			
	4.00	D - 7° 31' 00" R - 7° 31' 00" Avg - 7° 31' 00" Tan = 0.131 94844		- 359.05 + 1.05 358.00			
TRANSIT AT STA TBM 64 FB 2241 Pg 203 H.I. + 5.85							
BP 10	10.00 see pg 222	D + 7° 32' 00" R + 7° 32' 00" (Tan = .13224440) Avg 7° 32 00	3137.14	+ 414.87 - 4.15 410.72			
	4.00	D + 7° 25' 20" R + 7° 25 00 Avg + 7° 25 10 (Tan = .130 221 59)		+ 408.52 + 1.85 410.37			

RE-RUN on pg. 222

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

Survey of Los Angeles Ave
W. 8.075 Tape No. Sr'd. 84 of
Surveyed by J.H.B. - H.C.R. Date 4/58
Indexed K. C. Johnson

F.B. 2241 PG. 213

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TRANSIT AT STATION TBM 62 F.B. 2241 PG 203 H.I. + 6.61

Sight on	Rod	Vertical Distance	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP10	9 40	D + 7° 32' 40" R + 7° 32' 40" Avg + 7° 32' 40" TAN = 0.132 441 73	2721.13	+ 360.39 - 2.39 358.00			
	2 00	D + 7° 24' 00" R + 7° 23' 50" Avg + 7° 23' 55" (TAN = 0.129 852 67)		+ 353.35 + 4.61 357.96			

TRANSIT AT STATION AUX VII FB 2241 PG 206 H.I. = 5.38

BP7	9 00	D + 1° 53' 20"	1490.36				
		R + 1° 53' 00" Avg + 1° 53' 10" TAN = .032 930 74		+ 49.08 - 3.62 45.46			
	4 00	D + 1° 41' 40" R + 1° 41' 20" (TAN = 0.029 533 73) Avg 1° 41' 30"		+ 44.02 + 1.38 45.40			

TRANSIT AT STATION BP9 FB 2241 PG 204 HI + 5.77

BP5	9 00	D - 10° 38' 40" R - 10° 39' 00" TAN = 0.187 998 10 Avg -10 38 50	2546.23	- 478.69 - 3.23 481.92			
	1 00	D - 10° 49' 00" R - 10° 49' 20" Avg - 10 49 10 TAN = 0.191 111 94		- 486.62 + 4.77 481.85			

F.B. 2241 PG 2/4

76F209S S&E #247. 8-54

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TRANSIT AT STATION BP 7 F.B. 2241 PG 207 H.I. + 5.75

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
Aux VII	10.00	D - 1° 00' 00" R - 1° 00' 00" Avg - 1° 00' 00" (Tan = .01745507	1612.46	- 28.15 - 4.25 32.40			
	4.00	D - 1° 12' 00" R - 1° 12' 20" (Tan = .02099551) Avg - 1° 12' 10"		- 33.85 + 1.75 - 32.10			
TRANSIT AT STATION BP 7 FB 2241 PG 207 H.I. 5.71							
Aux VIII	9.00	D - 1° 37' 20" R - 1° 37' 20" Avg - 1° 37' 20" Tan = .02832069	1490.36	- 42.21 - 3.29 45.50			
	5.00	D - 1° 46' 40" R - 1° 46' 40" Avg - 1° 46' 40 Tan = .03103810		- 46.26 + 0.71 - 45.55			
TRANSIT AT STATION AUX I F.B. 2241 PG. 85 H.I. + 6.02							
P4	-9.00	D. - 8° 39' 00" R. - 8° 39' 00" Avg. = 8° 39' 00" Tan = .15212953	1029.69	- 156.66 - 2.98 - 159.64			
	-1.00	D. - 9° 05' 00" R. - 9° 05' 20" Avg. = 9° 05' 10" Tan = .15992541		- 164.67 + 5.02 159.65			

Elev = 563.439
pg 135

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

Survey of Los Robles Ave
W. O. Tape No. Str'd. 84 °F
Surveyed by W. H. Brown
Notes J. H. B. Date 4/58
Indexed A. O. Johnson

F.B. 2241 PG. 215

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Do not extend notes this side of this line.

TRANSIT AT STATION AUX. I F.B. 2241 PG 85 H.I. + 6.02

Sight on	Rod	+ Vertical ± Angle	Horizontal Distance	+ Vertical − Distance	+ Curvature Correction	± Difference − Elevation	Adjusted Diff. Elev.
P5	9 00	D. -2° 28' 20"	2209.07	- 95.40			
		R. -2° 28' 40"		- 2.98			
		Avg. = 2° 28' 30"		-98.38			
(Elev = 624.413 PI +8+)		Tan. 0.043 223 79					
	1 00	D. -2° 41' 20"		-103.54			
		R. -2° 41' 00"		+5.02			
		Avg. = 2° 41' 10"		-98.52			
		Tan = 0.046 915 86					

TRANSIT AT STATION BP-2 FB 2241 PG 182 H.I. 5.40

P4A	6.07	D - 7° 54' 00"	1314.32	-182.38			
		R - 7° 54' 00"		- 1.47			
		Avg = 7° 54' 00"		-183.85			
		Tan = .138761 47					
	2 88	D. - 8° 02 40		185.82			
		R. - 8° 03' 00"		+ 2.52			
		tan = .141 381 90		183.30			
		Avg. = 8° 02 50					
P4	9 00	D - 12° 03' 20"	999.26	- 211.33			
		R - 12° 03' 40"		- 3.60			
		Avg 12° 03' 30"		214.93			
		Tan = .213 620 90					
	1 00	D - 12° 30' 20"		-219.46			
		Rt - 12° 30' 40"		+ 4.40			
		Avg - 12° 30 30"		215.06			
		Tan = .222 184 41					
(Elev = 543.439 PG 135)							

F.B. 2241 Pg. 216

76F3095 SAE #247. B-4

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TRANSIT AT STATION BP 9 F.B. 2241 PG 204 H.I. +5.77

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
P4	9 00	D - 10 22 00 R - 10 21 40 Avg - 10° 21' 50" Tan = .182 982 93	2951.47	-539.77 - 3.23 543.00			
	1 00	D - 10 30 46 R - 10 31 00 Avg - 10° 30' 50" Tan = 185 599 79		547.76 + 4.77 542.99			
TRANSIT AT	STATION	D 5	FB 2241	PG 204, 124 136		H.I + 5.53	
AUX I	9 00	D + 2° 38' 40" R + 2° 38' 40" Tan = 046 187 07 Avg + 2° 38' 40"	2207.07	+ 101.94 - 3.47 98.47			
	2 00	D + 2° 28' 00" R + 2° 27' 40" Avg + 2° 27' 50" Tan = 043 029 50		91.97 3.53 + 98.50			
BP 9	9 00	D + 10° 47' 50" R + 10° 48 00" Avg + 10° 47' 55" Tan = .190 735 07	2546.23	+ 485.66 - 3.47 482.19			
	2 00	D + 10° 38' 40" R + 10° 38' 40" Avg + 10° 38' 40" Tan = 187 947 89		+ 478.56 + 3.53 482.09			

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

Survey of Los Angeles Aux
W. O. Tape No. Sr'd. 24 of
Surveyed by H. H. Brown
Notes Date 4/58
Indexed L. O. Johnson

F.B. 2241 PG. 217

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TRANSIT AT STATION P4 F.B. 2241 PG 209, 135 H.I. +5.83

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
BP9	9.00	D + 10° 28' 40"	2951.47	+545.84			
		R + 10° 28' 40"		- 3.17			
		Avg + 10° 28' 40"		+542.67			
		Tan = .184 937 91					
	2.00	D + 10° 21' 00"		+539.03			
		R + 10° 21' 20"		+ 3.83			
		Avg + 10° 21' 00"		+542.86			
		Tan = 182 632 49					
AZI	9.00	D + 8° 58' 40"	1029.69	+162.73			
		R + 8° 59' 00"		- 3.17			
		Avg + 8° 58' 50"		159.56			
		Tan = 158 036 68					
	2.00	D + 8° 36' 00"		+156.78			
		R + 8° 36' 20"		+ 3.83			
		Avg + 8° 36' 10"		+159.61			
		Tan = 151 285 38					
TRANSIT AT STATION P12 FB 2241 PG 212, 108, 158 H.I 3.34							
AUX IC	9.00	D - 8° 13' 00"	1679.61	-242.62			
		R - 8° 13' 20"		- 3.66			
		Avg - 8° 13' 10"		246.28			
		Tan = .144 448 69					
	2.00	D - 8° 27' 40"		-249.95			
		R - 8° 28' 00"		+ 3.34			
		Avg - 8° 27' 50"		246.61			
		Tan = .148 806 73					

F.B. 2241 Pg. 212

76F309S S&E #247. 8-54

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TRANSIT AT STATION Aux V F.B. 2241 PG 212 H.I. +5.35

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
P12	9.00	D+ 8°28'30"	1679.61	+250.23 -			
		R+ 8°28'20"		- 3.65 -			
		Avg+ 8°28'25"		246.58 -			
		Tan = 148 980 18					
	3.00	D+ 8°16'40"		244.28 -			
		R+ 8°16'20"		+ 2.35 -			
		Avg+ 8°16'30"		246.63 -			
		tan = 145 43864					
P13	9.00	D+ 2°09'20"	1962.92	+ 73.98 -			
		R+ 2°09'40"		- 3.65 -			
		Avg+ 2°09'30"		+ 70.33 -			
		tan = .03768785					
	5.00	D+ 2°02'20"		+ 69.98 -			
		R+ 2°02'40"		+ 0.35 -			
		Avg+ 2°02'30"		+ 70.33 -			
		tan = .035 64889					

TRANSIT AT STATION P-13 FB 2241 PG 161 212, 106 H.I 5.19

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
Aux V	9.00	D- 1°56'30"	1962.92	- 66.50 -			
		R- 1°56'20"		- 3.81 -			
		Avg- 1°56'25"		- 70.31 -			
		Tan = 033 87725					
	1.00	D - 2°10'20"		- 74.36 -			
		R - 2°10'00"		+ 4.19 -			
		Avg- 2°10'10"		70.17 -			
		Tan = .037 98205					

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

Survey of Los Robles Ave
W. 8 73.24 Tape No. Std. 84 of
Surveyed by H. H. Brown
Notes J. H. B. Date 4/58
Indexed N. C. Johnson

F.B. 2241 PG. 219

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TRANSIT AT STATION BP #1 F.B. 2241 PG 181 184 H.I. +5.19

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
Aux IX (pg 184)	11.00	D-10°08'20" R-10°08'00" Avg-10°08'10" Tan=.178 777 45	451.39	-80.70 -5.81 86.59			
	2.00	D-11°15'00" R-11°14'40" Avg-11°14'50" Tan=.198 861 97		-89.76 +3.19 86.57			
Aux X (pg 184)	11.00	D-19°01'00" R-19°01'00" Tan=.344 653 03 Avg-19°01'00"	396.79	-136.75 -5.81 142.56			
	1.00	D-20°17'40" R-20°17'40" AVG 20 17 40 Tan=.369 800 99		-146.73 +4.19 -142.54			

TRANSIT AT STA BP 5 FB 2241 PG 179-186 HI=+5.68

P14	9.00	D 4° 07' 20" R 4° 07 40 Avg 4° 07 30 Tan=.072 11948	2468 33	+178.01 -3.32 174.69			
	3.00	D 3° 59' 20" R 3 59 00 Avg 3 59 10 Tan=.06968323		172.00 +2.68 174.68			

F.B. 2241 PG 220

76F309S S&E #247. 8-54

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TRANSIT AT STATION BP 3 F.B. 2241 PG 178 H.I. + 509

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
P 11	9.00	D = +7° 59' 00" R = +7° 59 20 Avg = +7° 59 10" Tan = .140 29365	1908.73	+ 267.78 - 3.91 263.87			
	2.00	D = +7° 46' 40" R = +7° 47' 00" Avg = +7° 46' 50" Tan = .136 637 24		+ 260.80 + 3.09 263.89			
Aux VI	6.00	D = +14° 26' 00" R = +14° 26' 00" Avg = +14° 26' 00" Tan = .257 376 58	1349.24	+ 347.26 - 0.91 346.35			
	12.00	D = +14° 40' 40" R = +14° 40' 20" Avg = +14° 40 30 Tan = .261 878 77		+ 353.34 - 6.91 346.43			

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

Survey of Los Robles Ave
W. O. 27826 Tape No. Std. °F
Surveyed by W. H. Brown
Notes J. H. B. Date 4/24/58
Indexed C. Johnson

F.B. 2241 PG. 221

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TRANSIT AT STATION (R-Run) IBM "64" F.B. 2241 PG 203; 213 H.I. +6.07

Sight on	Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	Difference Elevation	Adjusted Diff. Elev.
BPNO	10 00	D+ 7°31'00"	3137.14	+414.10			
		R+ 7°31'20"		- 3.93			
		Avg+ 7°31'10"		410.17			
		Tan=131 99277					
	5 00	D+ 7°25'20"		+408.84			
		R+ 7°25'40"		+ 1.07			
		Avg+ 7°25'30"		409.91			
		Tan=130 32156					
TRANSIT AT STA P4 FB 2241 PG 209, 125, 135 H.I. + 5.65							
BP9	1 00	D+ 10°28'40"	2951.70	+515.81			
		R+ 10°28'30"		- 3.35			
		Avg+ 10°28'35"		512.46			
		Tan=184 91284					
	3 00	D+ 10°22'20"		+540.41			
		R+ 10°22'40"		+ 2.65			
		Avg+ 10°22'30"		+543.06			
		Tan=183 08395					
AOX I	9 00	D+ 9°00'00"	1029.69	+163.09			
		R+ 9°00'00"		- 3.35			
		Avg+ 9°00'00"		159.74			
		Tan=158 38445					
	5 00	D+ 8°47'00"	1029.69	+159.15			
		R+ 8°47'20"		+ 0.65			
		Avg+ 8°47'10"		159.80			
		Tan=154 55918					
	B 00	D+ 10-28-10	2951.70	+543.39			
		R+ 10-28-30		- 2.35			
		Avg 10-28-20		543.24			
		Tan=184 83763					

F.B. 2241 Pg 222
B p. 9

76F3095 CE #247—3-57

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TRANSIT AT STATION P-16 F.B. 2241 PG 254 H.I.+ 5.54

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+ Difference - Elevation	Adjusted Diff. Elev.
check pt ③	3.00	D) -1° 50' 00" R) -1° 50' 00" Avg 1° 50' 00" Tan = .03201	498.51	- 15.96 + 2.54 - 13.42			
	6.00	D) -1° 29' 20" R) -1° 29' 00" Avg) 1° 29' 10" Tan = .02594		- 12.93 - 0.46 - 13.39			
	π @	Check pt ③		FB 2241	Pg 254	H-I+ 5.24	
P-16	10.00	D) + 2° 05' 20" R) + 2° 05' 40" Avg) + 2° 05 30 Tan = .03653	498.51	+ 18.21 - 4.76 + 13.45			
	2.00	D) + 1° 10' 20" R) + 1° 10' 20" Avg) 1° 10 20" Tan = .02046		+ 10.20 + 3.24 + 13.44			
	π @	P-8		FB 2241	Pg. 257	H.I + 5.88	
check pt ②	5.04	-D) 1° 38' 00 -R) 1° 37' 40" Avg) 1° 37' 50 Tan = .02846	1080.7	- 30.75 + .84 - 29.91			
	Top of stk	-D) 1° 54' 40" -R) 1° 54' 20" Avg) 1° 54' 30" Tan = .03332		- 36.01 + 5.88 30.13			

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

Survey of Los Robles Ave
JN 0075.26 Tape — Std — °F
Surveyed by H. H. Brown
Notes J. H. B. Date 8-58
Indexed

F.B. 2241 PG 223

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TRANSIT AT STATION check P-2 F.B. 2241 PG 257 H.I. + 5.18

Sight on	-Rod	+ Vertical - Angle	Horizontal Distance	+ Vertical - Distance	+ Curvature Correction	+Difference - Elevation	Adjusted Diff. Elev.
P-3	3.00	D) +1° 28' 20"	1000.7	+ 27.82			
		R) +1 28 40		+ 2.18			
		Avg) +1 28 30		30.00			
		Tan = .02574					
	1.00	D) +1° 22' 20"		+ 25.94			
		R) +1° 22' 40"		+ 4.18			
		Avg) +1° 22' 30"		30.12			
		Tan = .02400					
	At @	STA. P-4	FB 2241	Pg. 258		H.I. 6.14	
check P-1	6.00	D) +2° 26' 40"	875 ℄	+ 37.43			
		R) +2 27 00		+ 0.14			
		Avg) 2° 26' 50"		+ 37.57			
		Tan = .04275					
	3.00	D) +2° 15' 00"		+ 34.40			
		R) +2° 15' 00"		+ 3.14			
		Avg) +2° 15' 00"		37.54			
		Tan = .039290 11					
	At @	STA. Check P-1	F.B. 2241	Pg. 258		H.I. = 4.82	
P-4	6.21	D) -2° 21' 20"	875 ℄	- 35.98			
		R) -2° 21' 00"		- 1.39			
		Avg) 2° 21' 10"		- 37.37			
		Tan = 041 086 82					
	3.66	D) -2° 31' 40"		- 38.61			
		R) -2° 31' 20"		+ 1.16			
		Avg) -2° 31' 30"		- 37.45			
		Tan = 044 098 12					

F.B. 2241 Pg. 224

F. B. 2341 PG. 225

NOTES RED. JOB NO. 007526 SURVEY OF Los Robles Ave.
DATE SURVEY BY J. H. Brown
NOTES CHKD. NOTES BY J. H. B. DATE 4/11/58
DATE D. F. McMILLAN INDEXED A. C. Johnson DATE 5-9-58

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

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76S420 S & E-353 4-54

DESCRIPTION	BENCH LEVELS TO ESTABLISH ELEVATIONS FOR PHOTOGRAMMETRIC CONTROL ON TBM 62 - T-12 - TBM 63 - TBM 64 Circuit # 8 April 11 & 14, 1958
ADJ. ELEV.	Brown - notes
3RD RUN	Kapp - Brunson Level # 551911
2ND RUN	NUNEZ - Rod # 21
DIFF.	Reuter Rod # 22
1ST RUN	
B.M.	

JOB NO. 007526 SURVEY OF Los Robles Ave. NOTES RED.
SURVEY BY J. U. Brown DATE J. F. McMILLAN
NOTES BY J. H. B. DATE 4-14-58 NOTES CHKD.
INDEXED R. C. Johnson DATE DATE

F. B. 2241 PG. 226

76S420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Circuit DESCRIPTION #8
Fd TBM #58	468.388					TBM #58 Elev = 468.388 Adj pg 195
+	8.122		7.969			9' west and on prod of NW end
⊼	476.510	+2.970	+2.969	+2.970		of corr. Iron pump house (Vallecico
−	5.152		5.000			Water Co)
Set TBM 64	471.358				471.358	1" capped Iron pipe 8" below ground
+	7.027		7.248			surface on fence line 27°, w
⊼	478.385	+0.657	+0.656	+0.656		of circular water tank. (Vallecico
−	6.370		6.592			Water Co
Fd TBM 20	472.015				472.014	TBM 20 Adj Elev = 472.012 pg 195 / 471.983 pg 133
+	10.331		10.398			1" I P 2' below ground surface.
⊼	482.346	+8.178	+8.178	+8.178		1.77 N of n edge gate post between
−	2.153		2.220			2 gates near ℄ Los Robles Ave.
						at TRact line.
+ P	480.193				480.192	1X2 25' W of fence line
+	9.425		9.389			250± S of Los Robles Ave
⊼	489.618	+8.315	+8.314	+8.314		
−	1.110		1.075			
TP	488.508				488.506	1X2 145± west of fence
+	10.988		10.887			(TR LINE) & 50± S fence
⊼	499.496	+7.337	+7.337	+7.337		
−	3.651		3.550			
T.P.	495.845				495.843	1X2
+	11.382		11.267			
⊼	507.227	+10.291	+10.290	+10.290		
−	1.091		0.977			
T.P	506.136				506.133	1X2
+	9.232		9.122			
⊼	515.368	+7.977	7.980	+7.978		
−	1.255		1142			
T.P.	514.113				514.111	1X2

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NOTES RED. JOB NO. 0075.26 SURVEY OF Los Robles Ave
DATE SURVEY BY J.H. Brown
NOTES CHKD. J.F. McMILLAN NOTES BY J.H.B. DATE 4-14-58
DATE INDEXED C. Johnson DATE

F. B. 2241 PG. 227

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION #8
T.P	514.113				514.111	T.P cont from bot' pg. 226
+	8.563		8.377			
⊼	522.676	+7.485	+7.487	+7.486		
−	1.078		0.890			
T.P	521.598				521.597	1x2
+	7.079		6.960			
⊼	528.677	+2.217	+2.216	+2.216		
−	4.862		4.744			
set TBM 63	523.815				523.813	1" capped Iron pipe dn. 18"
+	8.412		8.600			on TR. LINE. 10½' E of fence
⊼	532.227	+7.600	+7.601	+7.600		117.0± N of ℄ of ORANGE
−	0.812		0.999			GROVE AVE
set T.P	531.415				531.413	L&T SW cor of conc weir box
+	4.454		4.362			up 29"; 22' N of ℄ ORANGE GROVE AVE
⊼	535.869	−0.848	−0.848	−0.848		4' E of TRACT LINE see pg 78
−	5.302		5.210			
set TBM "T"	530.567				530.565	1" I.P (capped) dn. 16" shown
+	5.543		5.458			as T-12 pg 78.
⊼	536.110	−0.811	−0.812	−0.812		
−	6.354		6.270			
set T.P	529.756				529.753	L&T in conc headwall E of TR
+	0.635		0.548			LINE & S side ORANGE GROVE AVE
⊼	530.391	−8.172	−8.173	−8.172		1.5' from W end of headwall
−	8.807		8.721			
set T.P	521.584				521.581	bt spk in pvmt 1' S of N edge
+	1.310		1.248			50' ± E of PP # 421302 E
⊼	522.894	−5.739	5.740	−5.740		
−	7.049		6.988			
set T.P.	515.845				515.841	bt spk in pvmt (1' S of N edge)
						50' ± W PP # 421304 E

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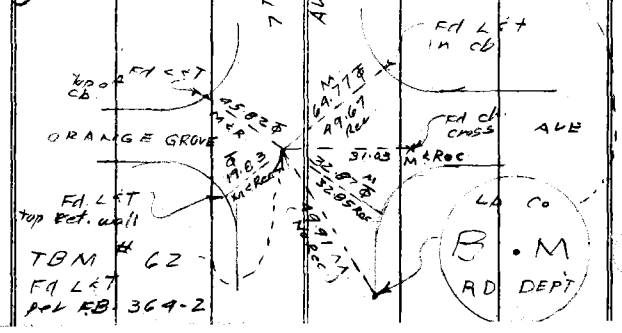
JOB NO. 8075.26 SURVEY OF 403 ROBLES AVE NOTES RED
SURVEY BY CL H-B + Count DATE J. F. McMILLAN
NOTES BY H. C. Johnson DATE 4/14/58 NOTES CHKD
INDEXED DATE

F.B. 2241 Pg. 228

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	515.845		4/11/58 PM	check AM 4/14/58	515.841	TP. cont from last pg.
+	4.148		4.081	4.068		
∧	519.993	-3.194	3.195	3.198		
set −	7.342		7.276	7.266		
T.P.	512.651			-3.190	512.645	Lg bt spk & tw opposite
+	0.598		0.517	0.605		pp # 421305E (1'S of N edge pvmt)
∧	513.249	-9.540	9.531	9.540		
set −	10.138		10.078	10.145		
T.P.	503.111				503.105	sm bt spk opp pp #421307E
+	3.765		3.670			(1'S of N edge pvmt)
∧	506.876	-3.194	3.192	-3.193		
set −	6.959		6.862			
T.P.	499.917				499.912	sm bt spk. 1'w of TBM #62
+	3.447		3352			(1'S of N edge pvmt.
∧	503.364	+2.372	2.371	+2372		
set −	1.075		0.981			
TP	502.289				502.289	L, tg & M ORANGE AVE & 7th Ave
+	1.990		1.960			S.E. Cor. 6.4' S of S curb ret.
∧	504.279	-4.567	4.567	-4.567		Tg shown below
−	6.557		6.527			
Set TBM #62	497.722				497.717	



Cont pg 229.

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NOTES RED ____ JOB NO. 007526 SURVEY OF LOS ROBLES AVE
DATE 11-F-[illegible] SURVEY BY J. H. Brown
NOTES CHKD. ____ NOTES BY U.H.B. DATE 9/14/58
DATE ____ INDEXED ____ DATE ____

F.B. 2241 PG. 229

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Circuit DESCRIPTION # 8
set TBM #62	497.722				497.717	cont from last pg.
+	1.563		1.513			
⊼	499.285	-6.978	6.976	-6.977		
−	8.541		8.489			
set TP	490.744				490.740	bt spk in seam bet. pvmt & gut
+	0.530		0.462			W side 7th Ave. 25' N of
⊼	491.274	-8.622	8.623	-8.622		N driveway to Ho # 1661
−	9.152		9.085			
set T.P.	482.122				482.118	7th AVE W side bt spk in
+	1.832		1.766			seam bet gut & pvmt. opp Middle
⊼	483.954	-6.830	6.828	-6.829		of Ho. # 1634.
−	8.662		8.594			
set T.P.	475.292				475.289	7th AVE W side bt spk in
+	1.308		1.258			seam bet gut & pvmt opp point
⊼	476.600	-7.673	7.671	-7.672		35' S pp # 80512 E
−	8.981		8.929			
set T.P.	467.619				467.617	7th AVE W. side bt. spk in
+	1.290		1.238			seam bet gut & pvmt. 29'
⊼	468.909	-7.670	7.669	-7.670		N of tel. pole (No Number)
−	8.960		8.907			(about 135' S Trans. Pole # 80553)
set T.P.	459.949				459.947	
+	1.519		1.463			7th AVE W side bt spk in
⊼	461.468	-7.743	7.742	-7.742		seam bet gut & pvmt 75'
−	9.262		9.205			N of pt. opp. TRANS P. # 80553
set T.P.	452.206				452.205	
+	1.343		1.289			7th Ave W side bt spk in
⊼	453.549	-6.578	6.580	-6.579		seam bet gut & pvmt opp a
−	7.921		7.869			pt 2' S of P.P. # 80541E
set T.P.	445.628				445.626	7th AVE & Los Robles Ave SW cor
						cut spk in seam of cb. Middle Cbrct.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	445.628				445.626	cont from last pg.
+	2.488	/	2.417 /			
⊼	448.116	-0.401	0.401	-0.401		
—	2.889		2.818		/	
Fd TBM 18	445.227				445.225	TBM 18 Adj. Elev = 445.222 7th Ave. N.E. Cor Dt spk. to weir box (N.E Cor) pg 40
+	3.478	/	3.418 /			
⊼	448.705	-2.005	2.005	-2.005		
—	5.483		5.423		/	
Fd. TBM 17	443.222				443.220	TBM 17 Adj Elev = 443.216 pg 39 PUENTE B-11 ??? LOS ROBLES AVE & 7th St. C.S. MON in H.H. at ℄ ints pg. 39.

O.K.

CIRCUIT NO 9 FOLLOWS
(which establishes Elevation on)
TBM # 68
from TBM # 28 (P-6) ; LR-1 ; & TBM # 29 (P-7)

Brown - notes - Kapp ⊼ - Nunez - rod # 21 - Reuter - rod # 22

April 8, 1958

JOB NO. 1075 26 SURVEY OF Los Robles Ave NOTES RED
SURVEY BY J. H. Brown DATE J. F. McMILLAN
NOTES BY J. H. B DATE 4/14/58 NOTES CHKD.
INDEXED C. Johnson DATE DATE

F. B. 2241 PG. 230

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION #9
Fd TBM #28	690 291				690.291	TBM #28 Elev = 690.291 FB 2241-138
+	+ 1.912		1.613			(P-6) pg. 128 1 I.P. & Eng tg dn 6"
⊼	692 203	-8.515	8.516	-8.516		in a saddle at the head of a ch
−	10.427		10.129			going w fr Los Robles & on a
						ridge going NE fr NIKE STA.
set T.P	681.776				681.775	1x2 Sn on nose of ridge N
+	10.829		10.776			of saddle.
⊼	692.605	+0.454	0.453	+0.454		
−	10.375		10.323			
set T.P	682.230				682.229	1x2 on hump of sharp "S" shape
+	2.838		2783			ridge
⊼	685068	-7.174	7.174	-7.174		
−	10.012		9957			
Fd BM LR-1	675.056				675.055	BM LR-1 Elev = 675.056 FB 2241-138
+	8.915		8.909			pre-cast BM Mon. flush
⊼	683971	+6.556	6.557	+6.556		on "S" shaped ridge 580' N of
−	2359		2352			TBM #28 (above) 925' S lg from a
						fence along N line of TR. 4005 &
						21
set T.P	681612				681.611	
	6622		6462			
	688234	+2.925	2.926	+2.926		
	3697		3536			
set TBM #68	684537				684.537	TBM #68 Elev =
	3831		3670			1" capped I.P. on E side of "S" shaped
	688368	-2.922	2.922	-2.922		ridge 50' from crest. 20' w of
	6753		6592			wild current bush. 363' S lg from
T.P.	681615 see next pg.					pt N line of TR 4005 (Fence) crosses
						ridge 1,113' N. of saddle (TBM 28 above)
					681.615	(1x2)

NOTES RED _____ JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE.
DATE _____ SURVEY BY J.H. Brown
NOTES CHKD. D.F. McMILLAN DATE 4-21-58
DATE _____ NOTES BY J.H.B. C. Johnson DATE _____
INDEXED _____

F.B. 2241 PG. 231

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JOB NO. 0075.26 SURVEY OF Los Angeles Ave. NOTES RED. DATE
SURVEY BY T.H. Brown DATE J.T. McMILLAN
NOTES BY T.H.B. DATE 4-21-58 NOTES CHKD.
INDEXED C. Johnson DATE DATE

F.B. 2241 Pg. 232

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION # 9
T.P	681.615				651.615	
+	2.972	1	2.971			
T	684.587	-6.558	6.556	-6.557		
—	9.530		9.553			
Fd. BM LR-1	675.057				675.058	BM LR-1 Elev. = 675.056 F.B. 2241-138 See last Pg. for descrip.

OK.

F. B. 2291 Pg. 233

NOTES RED. JOB NO. 007526 SURVEY OF Los Robles Ave
DATE SURVEY BY J. H. Brown
NOTES INKED McMILLAN NOTES BY J. H. B DATE 3-25-58
DATE INDEXED L. C. Johnson DATE

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						BENCH LEVELS
						To Points "Z" & "AB" & TBM #67
						for additional
						Photogrametric
						Control
						circuit #10
						Brown notes
					Kapp - Dumpy Level Bronson # 55191 1	
					Nunez - rod # 283	
					Reuter - rod # 282	

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JOB NO. 0075.26 SURVEY OF Los Robles Ave NOTES RED. DATE J. F. McMILLAN
SURVEY BY J. H. Brown NOTES CHKD
NOTES BY J. H. B. DATE 3/25/58 DATE
INDEXED C. Johnson DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION #10
Fd BM 11-124	250.295				250.295	BM 11-124 Elev = 250.295
+	4.069	/	3.997	/		(1952 adj.) F.B. 1376-111
⊼	254.364	-0.282	0.281	-0.282	/	Near the intersection of Work-
−	4.351		4.278			man Mill Rd & Pellissier Rd
						52' E'ly fr. ℄ Workman Mill Rd. prod N'ly
						& 11' N'ly fr ℄ Workman Mill Rd
						(to East). A std L.A. Co.
						triangulation Mon in H.H. down 16"
						Marked "EL MONTE J-10 AUX 3
						1948 COUNTY SURVEYOR
					/	R.E. 329"
set T.P	250.013				250.013	Lg bt spk & tin on E edge
+	5.039	/	4.973	/		of black top. Workman Mill
⊼	255.052	-0.683	0.685	-0.684		Rd
−	5.722		5.658		/	
set Z'	249.330				249.329	1" I.P. dn 26" on proposed ℄
+	5.799	/	5.712	/		Workman Mill Rd. 100.00 E'ly
⊼	255.129	+3.819	3.819	+3.819		from ℄ existing Workman Mill
−	1.980		1.893		/	Rd per FB 1578-141
set T.P.	253.149			chk dc 9/15/58	253.148	
+	3.458	/	3.109	3.629		Bt spk. (Fd. no ref) E side
⊼	256.607	-0.796	0.798	0.799	/	pp #616172E (East side Workman Mill Rd.)
−	4.254		3.907	4.428	/	
set T.P.	252.353			(Avg -0.797)	252.351	Lg Bt spk & tin (Fd. no ref) at approx
+	5.112	/	5.058	/		℄ ints Cambray drive & Gala ST.
⊼	257.465	+0.550	0.551	+0.550		flush
−	4.562		4.507		/	
set T.P	252.903				252.901	Lg Bt spk & T. approx ℄ ints
						CAMBRAY DR. & DELA ST.
						No ref

F.B. 2241 Pg. 234

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NOTES RED _____ JOB NO. 8075 2.6 SURVEY OF Los Angeles Alley
DATE 10-1-54 LANSURVEY BY H. B. Evans
NOTES CHECKED BY H. B. DATE 4/15/58
DATE _____ INDEXED _____ DATE _____

F.B. 2241 PG. 235

CIRCUIT #10

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	252.903				252.901	cont'd. last pg.
+	5.156		5.051			
∑	258.059	+0.746	0.743	+0.744		
−	4.410		4.338			
set T.P	253.649				253.645	Lg BK spk & tin Approx ℄ Int's
+	5.633		5.568			CAMBRAY DR & HOLFORD ST
∑	259 282	+1.343	1.344	+1.344		
−	4.290		4 224			
set T.P	254.992				254.989	Lg BK spk & tin at Approx P.I
+	5.502		5.776			CAMBRAY DR.
∑	260.494	+2.940	2.939	+2.940		
−	2.562		2.837			
T.P	257.932				257.929	1x2. 40'± N P.I Cambray dr (removed.)
+	5.537		5.749			
∑	263.469	+2.795	2.797	+2.796		
−	2.742		2.952			
T.P.	260.727				260.725	1x2 in field
+	5.969		5.750			(removed)
∑	266.696	+0.190	0.191	+0190		
−	5.779		5.559			
set TBM "67	260.917				260.915	P.I. proposed workman Mill Rd
+	4.691		4.692			1298.6' Elg from ℄ Existing Workman Mill Rd
∑	265 558	-0.008	0.008	-0.008		180'± N'ly from CAMBRAY DR.
−	4.649		4.700			3/4" I.P. dn 30" per pg. 21
T.P	260909				260.907	& FB 1878-141
	4.632		4.408			1x2 in field
	265541	+0.709	0.709	+0.709		(removed)
	3.923		3.699			
T.P	261.618				261.616	1x2 in field (removed)

JOB NO. 0075.26 SURVEY OF Los Robles Ave. NOTES RED.
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 4-15-58 NOTES CHKD. L.F. McMILLAN
INDEXED J. C. Johnson DATE DATE

F. B. 2241 Pg. 236

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Circuit DESCRIPTION #10
set T.P	261.618				261.616	cont fr last pg.
+	1.568		1.485			
⊼	263.186	-3.193	3.194	-3.194		
−	4.761		4.679			
set TBM 70	258.425				258.422	TBM 70
+	2.830		2.917			U.P.R.R. S. Side 200'± E of
⊼	261.255	-2.793	2.791	-2.792		E end CAMBRAY ST ch □
−	5.623		5.708			in conc. abuttment of bridge
T.P.	255.632				255.630	1'N. of S. end of West ABUTTMENT
+	3.228		3.319			1x2 S side of tracks
⊼	258.860	-2.527	2.528	-2.528		(removed)
−	5.755		5.847			
T.P	253.105				253.102	rock in peak of conc culvert
+	5.749		5.612			under U.P.R.R. S end culvert #14.16
⊼	258.854	+1.207	1.205	+1.206		
−	4.542		4.407			
T.P.	254.312				254.308	1x2 (removed)
+	2.433		2.317			
⊼	256.745	-2.269	2.270	-2.270		
−	4.702		4.587			
T.P	252.043				252.038	rock in peak of S. end of conc. culvert
+	4.973		4.880			#14.06 S side U.P.R.R.
⊼	257.016	+2.675	2.678	+2.676		
−	2.298		2.202			
T.P.	254.718				254.714	bt sp S end tie opposite
+	2.942		2.749			pp # E 31 F
⊼	257.660	-0.400	0.403	-0.402		
−	3.342		3.148			
T.P	254.318				254.312	spk in S end of tie 12' W of
						prod of W legs of Tower # M-0 T4

768420 S & E-353 4-54

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LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Circuit DESCRIPTION # 10
T.P	254.318				254.312	cont. fr. Last pg.
+	2.901	/	2661 /		/	
⊼	257.219	-1.329	1.328	-1.328		
−	4.230		3989		/	
set T.BM	252.989				252.984	Workman Mill Rd & U.P. RR
#71 +	3.940	/	4071 /			P.K. in conc. headwall culvert #
⊼	256.929	+0.130	0.130	+0.130		13.95 S end. shown as tie
−	3.810		3.941		/	to P.I. F.B. 1878-126
set T.P	253.119				253.114	WORKMAN MILL RD S.E.
+	2.842	/	3.101 /			side. bt spk in Trans Pole
⊼	255.961	-3.056	3.056	-3.056		# 61612 8 E. up 16" west side
−	5.898		6.157		/	
set TBM "Z"	250.063				250.058	WORKMAN MILL RD. E. side
+	4.009	/	3.882 /			129.01 S. of 1st P.I. S of R.R. (FB 1878-126)
⊼	254.072	-1.619	1.617	-1.618		and on sly prod of tangent to
−	5.628		5.499			North about 102 E of EP/L of
?	~~248.444~~				/	WORKMAN MILL RD & 4 ft S.
set TP	248.444				248.440	of old fence line 1" I.P. & Bt. spk. dn. 12"
+	0.522	/	0.388 /			WORKMAN Mill SE side
⊼	248.966	-4.556	4.557	-4.556		bt spk tel pole # W 7239 Y
−	5.078		4.945		/	up 16" NW side
T.P.	243.888				243.884	WORKMAN MILL RD SE SIDE
+	3.145	/	3.408 /			Bt spk tel p. W 7241 Y. up 19"
+	247.033	+0.365	0.366	+0.366		(S end of conc. headwall is 6½' NE
−	2.780		3.042		/	& 0.50 Lower. than T.P.)
T.P.	244.253				244.250	WORKMAN MILL RD SE side
						bt spk. up 24" in tel.p. # W 2317 Y.
						W side.

NOTES RED _____ JOB NO. 0075.26 SURVEY OF Los Robles Ave.
DATE _____ SURVEY BY J. H. Brown
NOTES BY J. H. B. DATE 4-15-58
DATE _____ INDEXED _____ DATE _____

F.B. 2241 PG. 237

768420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	circuit DESCRIPTION #13
T.P.	244.253				244.250	cont. fr. Last pg.
+	2.444		2322			
⊼	246.697	-2.418	2419	-2.418		
—	4.862		4741			
Fd TBM. 61	241.835				241.832	TBM #61 Adj Elev = 241.814 pg 199
+	4867		5237			WORKMAN MILL RD NW side
⊼	246702	+2.715	2.715	+2.715		FD. CONT. MON. marked BM 79-610 in
—	2152		2522			conc. headwall of culvert. NE of
						curved drive to Pellissier Dairy Farms.
Fd. TBM 60	244.550				244.547	TBM #60 Adj Elev = 244.530 pg 199
						bt spk in conc. sh. by planter & 3½'
						sty from porch in front of
						"Pellissier Dairy Farms" Bldg.

OK [illegible]

END OF CIRCUIT

Following is ELEV. OF BT SPK W & T @ P.I. N. of 5th AVE on WORKMAN MILL RD

this pt. Labeled "AC" FB 1878-117 but is not same point as is labeled "A.C." in FB 2241-22 which elev is shown pg. 240

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Fd TBM 59	242.084					TBM 59 Elev = 242.084 pg 200
+	6.470		6549			Elev = 242.079 pg 198
⊼	248.554	+1.387	1386	+1.386		
—	5083		5163			
T.P.	243.471				243.470	TP bt spk w & t in @ 1st P.I. N.
+	4.957		5109			of 5th in WORKMAN MILL RD
⊼	248.458	-1.386	1387	-1.386		fl.
—	6373		6496			
TBM 59	242.085				242.084	TBM 59 Elev. = 242.084 F.B. 2241-200

(70)

JOB NO. 0075.26 SURVEY OF Los Robles Ave. NOTES RED
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 4-15-58 NOTES CHK'D McMILLAN
INDEXED C. J. CARSON DATE DATE

F.B. 2241 PG. 238

76S420'S & E-353 4-54

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NOTES RED ____ JOB NO. 007526 SURVEY OF Los Robles Ave
DATE ____ SURVEY BY J.H. Brown
NOTES CHKD. ____ NOTES BY J.H.B. DATE 7-16-58
DATE ____ INDEXED S. C. Johnson DATE ____

F. B. 2241 PG. 239

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION # 11
Fd TBM #7	237.838				237.838	TBM #7 Elev = 237.838
+	5489	/	5572 /			Adj pg. 28 WORKMAN MILL
⊼	243327	+1.520	1.531	+1.530		RD. NW side Fd br cap
−	3959		4041			MON on ℄ prod. 52½ ft. N
						of P.I. Marked "State of
						Cal. Div. OF HWYS." dn 1'
Set TBM "T"	239368				239.368	TBM "T" = TBM #6 Adj Elev = 239.380 pg 28 Adj Elev = 239.370 pg 202
+	4452	/	4630 /	+		WORKMAN MILL RD 1st P.I
	243820	+2.583	2.582	2.582		North of SAN Jose Creek bridge
−	1.869		2048		/	bt spk & w ft.
T.P.	241.951				241.950	WORKMAN MILL RD W side
+	2739	/	2640 /	+		bt spk in most NThly 12x12
	244.690	+0.311	0.312	0.312		guard rail post.
−	2428		2328		/	
T.P.	242.262				242.262	WORKMAN MILL RD E side
+	3482	/	3404 /	+		bt spk in 12x12 guard rail
	245.744	+3.134	3.136	3.135		post. 10' N of tel.p. W-347-Y
−	0348		0268		/	
Fd TBM #8	245396				245.397	TBM #8 Elev = 245.398 Adj
+	0.876	/	0970 /	−		pg 29 WORKMAN MILL RD
	246.272	−3.215	3.216	3.216		NW side at RANCH LINE top
−	4.091		4186			eye bolt in conc. gate post
					/	N of P.I.
Fd TP 17	242.181				242.181	TP 17 Elev = 242.188 pg 29
+	5510	/	5369 /			WORKMAN MILL RD E side
	247691	+2.747	2.746	+2.746		bt spk in pvmt
−	2763		2623		/	
Fd TP 18	244928				244.927	TP 18 Elev = 244.989 pg 29
						bt spk in tel.p. W-8035-Y
						cont next pg

769420 S & E-363 4-54

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JOB NO 60735-26 SURVEY OF Los Angeles Co. NOTES RED.
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 4-16-58 NOTES J.H. McMillan
INDEXED J.C. Johnson DATE

F.B. 2241 Pg. 240

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION # 11
TP 18	244.928				244.927	conv ft. Last pg.
+	4378	/	4318			
⊼	249.306	-2320	2.319	-2320		
—	6698		6637		/	
Set TBM "V"	242.608				242.607	TBM "V" Elev =
+	5101	/	5273			WORKMAN MILL RD 1" I.P.
⊼	247.709	+0.209	0.207	+0.208		Stg dn 20' @ P.I. per pg 21
—	4892		5066		/	
Fd. TP 19	242817				242.815	TP #19 Elev = 242.809 pg 29
+	4923	/	4777			WORKMAN MILL RD E side
⊼	247.740	+0.181	0.182	+0.182		bt spk in pvmt (bent out) 20'
—	4742		4595		/	SW of SLOW ↑ warning sign
Set TBM "AC"	242.998				242.997	TBM "AC" Elev =
+	4.910	/	4.705			(FB 2241-22)
⊼	247.908	+1.065	1.064	+1.064		WORKMAN MILL Rd @ ℄ Invs
—	3.845		3.641		/	with (PPOP) 5th Alco. L & T dn 4"
Fd TBM #9	244.063				244.061	(Not same pt. as labeled AC FB 1878-117) yes: it is
+	3.860	/	3.722			TBM #9 ELEV = 244.098 pg 29
⊼	247.923	+1.610	1.611	+1.610		cl spk in Tel pole #W-1090-F
—	2.250		2.111		/	
Fd. TP.	245.673				245.671	TP Elev = 245.646 pg 198
+	~~2.725~~		2553	2698		Bt. spk. in Tel. Pole No #
⊼	~~248.398~~	-3.169	3.169	(3.169)		UP 12
—	~~5.867~~		5722	5867	/	
Fd BM 11-125	242 504				242.502	BM #11-125 Elev = 242.472 FB 1376-12
+	6.397	/	6.611			Elev = 242.496 Adj pg 30
⊼	248.901	-0.390	0.391	-0.390		WORKMAN MILL RD. 0.15 mi SW of
—	6.787		7.002		/	U.P. R.R. Bt Cap. Mon dn 10" in H.H.
	~~243.214~~					stamped "BM 11-125 1952 R.E. C3"
Fd. TBM #59	242.114				242.112	TBM #59 ELEV = 242.084 Bt spk N of P.I dn 6" pg 200

Ed Chavez Co. Surv. Dept.

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NOTES RED. JOB NO. 607526 SURVEY OF Los Angeles Co.
DATE SURVEY BY J. W. Brown
NOTES BLUE. NOTES BY J. W. B DATE 4/17/58
DATE C. Johnson DATE
INDEXED

F. B. 2241 PG. 241

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION #12
CIRCUIT NO. 12						TO ESTABLISH
ELEVATION ON						B.P. 8.
Brown - notes		Kapp		Brunson	dumpy level # 35 1911	
	Nonez	+01 + 21			Reeder rod # 22	
Ed TBM 43	368.311				369.311	TBM 48 (P-16) Elev = 363.311 pg 165
+	11.406	/	11.568			1" I.P. P.L.E. Eng's. Tag dn. 6'
=	379.717	+10.609	10.610	+10.610		
−	0.791		0.958		/	
T.P.	378.920				378.721	IX2
+	11.312	/	11.159			
=	390.232	+10.752	10.754	+10.753		
−	0.560		0.405		/	
T.P.	389.672				389.674	IX2
+	11.598	/	11.378			
=	401.260	+10.592	10.591	+10.592		
−	0.996		0.787		/	
T.P.	400.264				400.266	IX2
+	11.745	/	11.961			
=	412.009	+10.972	10.973	+10.972		
−	0.773		0.988		/	
T.P.	411.236				411.238	IX2 by fence +E iron post 20' of white wood post + 5' N of fence
+	10.366	/	10.465			
=	421.602	+9.614	9.616	+9.615		
−	0.752		0.549		/	
T.P.	420.850				420.853	IX2 opposite +S.L. iron post W of white wood post + 15' S. of fence

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JOB NO 8075.26 SURVEY OF Las Robles Acres NOTES RED
SURVEY BY L.N. Brown DATE
NOTES BY E.L.B. DATE 7/16/58 NOTES CHK'D McMILLAN
INDEXED C. Johnson DATE

F.B. 2241 Pg. 242

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION # 12
Set T.P	420.950				420.953	1X2 Cent. Ln. East pg
+	10.945	/	10.938			
⊼	431.795	+10.976	10.473	+10.474		
−	0.969		0.955		/	
Set T.P	431.826				431.827	1X2
+	10.926	/	11.032			
⊼	442.251	+10.100	10.907	+10.903		
−	0.520		0.628		/	
Set T.P	441.734				441.735	1X2
+	11.447	/	11.621			
⊼	453.181	+10.899	10.915	+10.910		
−	0.538		0.711		/	
Set T.P.	452.643				452.645	1X2 Cent. Ln. East pg W of 8X8 wooden mkr
+	11.712	/	11.561			
⊼	464.355	+10.654	10.655	+10.651		
−	1.059		0.903		/	
Set T.P	463.297				463.299	1X2
+	10.561	/	10.809			
⊼	473.858	+10.352	10.951	+10.352		
−	0.209		0.455		/	
Set T.P.	473.649				473.651	1X2
+	9.328	/	9.477			
⊼	482.977	+7.030	7.029	+7.030		
−	2.299		2.413		/	
Set B.P #8	480.679				480.681	on crest of ridge. East of Oak-man Mill Rd. about 1 5/8 from steel tower

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NOTES RED. JOB NO. 2075.26 SURVEY OF Los Angeles Aqueduct
DATE SURVEY BY H. Ryan
NOTES BY H. McMillan DATE 4-17-59
DATE INDEXED DATE
F.B. 2341 PG. 243

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Set BP # 8	480.679				480.681	Conc. Br. No. 1+09
+	1.398		1.398			
⊼	481.977	-10.014	10.012	-10.013		
—	11.312		11.220			
Set T.P	470.665				470.668	1X2 W. edge of Steel Pile
+	0.289		9.408			
⊼	479.934	-9.072	9.073	-9.072		
—	7.311		9.43			
Set T.P.	461.573				461.596	
+	1.523		1.548			
⊼	462.878	-6.764	6.762	-6.763		
—	8.447		8.010			
Set T.P	454.829				454.833	1X2 FH W edge of bolt 8.09 SP-17
+	1.848		4.750			
⊼	451.677	-5.055	5.055	-5.055		
—	9.903		9.905			
Set T.P	449.774				449.778	1X2 FH E side of bolt
+	1.975		1.755			
⊼	451.644	-8.041	8.040	-8.040		
—	9.916		9.795			
FdTP	441.733				441.738	1X2 Elev = 441.735 pg. 242
+	0.937		1.028			
⊼	442.670	-10.410	10.410	-10.410		
—	11.347		11.438			
Fd TP	431.323				431.328	1X2 FH Elev = 431.327 pg 242
+	0.663		0.568			
⊼	431.986	-10.474	10.473	-10.474		
—	11.137		11.041			
Fd T.P.	420.849				420.854	1X2 Elev = 420.853 pg 241

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JOB NO. 007526 SURVEY OF Las Robles Ave. NOTES RED
SURVEY BY U.H.B. Brown DATE
NOTES BY U.H.B. DATE 7/12/58 NOTES BLUE McMILLAN
INDEXED C. J. Gonzales DATE

F.B. 2241 Pg. 244

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION #12
T.P	420.849				420.854	cont from last pg
+	0.453	/	0.709			
⊼	421.302	-9.617	9.617	-9.617		
—	10.070		10.326		/	
Fd T.P	411.232				411.237	142 ELEV = 411.238 pg 241
+	1.502	/	1.780	-9.846		
⊼	412.734	-9.847	9.848	(Adjust 4/17/68 A.M.)		
—	11.349		11.628		/	
Set T.P	401.385				401.389	1X2
+	0.433	/	0.663	2.236		
⊼	401.818	-7.827	7.82	-7.826	/	
—	8.260		8.494	10.062	/	
Set T.P.	393.558				393.563	5X 30' N in base of fence post C.R. tie)
+	0.562	/	0.777			
⊼	394.120	-10.401	10.402	-10.402		
—	10.963		11.179		/	
Set T.P.	383.157				383.161	1X2 2' S of 3rd iron post W of P.R. tie N 30° W
+	0.369	/	0.597			
⊼	383.526	-9.613	9.611	-9.612		
—	9.989		10.208		/	
Set T.P.	373.544				373.549	5X 5X in wooden fence post (R.R. tie)
+	0.822	/	0.616			
⊼	374.366	-10.333	10.339	-10.333		
—	11.100		11.035		/	
Set T.P	363.206				363.211	1 X 2 0' S of fence
+	0.739	/	0.897			
⊼	363.945	-10.271	10.271	-10.271		
—	11.010		11.159		/	
Set T.P.	352.935				352.940	1X2 1' S of fence & about 8' E of 3rd wooden fence post.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION #12
T.P.	352.935				352.940	cont [illegible]
+	0.980		1.035			
⊼	353.315	-10.369	10.371	-10.370		
—	11.249		11.406			
Set T.P.	342.566				342.570	1X2 2 S of fence
+	0.553		0.728			
⊼	343.119	-10.089	10.089	-10.089		
—	10.642		10.817			
Set T.P.	332.477				332.481	1X2 10' S of fence
+	0.621		0.893			
⊼	333.098	-10.276	10.276	-10.276		
—	10.977		11.169			
Set T.P.	322.201				322.205	1X2 bet fence & [illegible]
+	0.960		1.098			opposite 3 wooden [illegible]
⊼	323.161	-9.457	9.455	-9.456		
—	10.417		10.553			
Set T.P.	312.744				312.749	1X2 in field
+	0.628		0.752			
⊼	313.372	-9.542	9.541	-9.542		
—	10.170		10.293			[illegible] 1st
Set T.P.	303.202				303.207	[illegible] E of [illegible]
+	0.288		0.524			
⊼	303.490	-9.099	9.098	-9.098		
—	9.387		9.622			
Set T.P.	294.103				294.109	1X2 10' SE of a [illegible]
+	0.918		0.761			
⊼	295.021	-3.911	3.912	-3.912		
—	4.829		4.673			
Set T.P.	290.192				290.197	1X2 [illegible] on line bet P-16 & P-17 @ into with pipe line [illegible] S from [illegible] N.

NOTES RED. JOB NO. 007526 SURVEY OF Los Angeles Ave
DATE SURVEY BY H. H. Brown
NOTES CHKD. [illegible] NOTES BY [illegible] DATE 4/17/58
DATE INDEXED [illegible] DATE

F. B. 2241 PG. 245

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION #12
T.P	290.192				290.197	cont. ⊥ pg 345
+	0.949	/	1.229	/		
⊼	291.141	-10.305	10.304	-10.304		O.K.
—	11.254		11.533		/	
Fd TBM 49	279.887				279.893	TBM #49 (P-17) Elev = Adj pg 166 279.888
						1" I.P. M. & Engr. Tag dn. 6"

END CIRCUIT NO 12

Following is

CIRCUIT # 13

TO ESTABLISH ELEVATIONS ON "TBM 65" "TBM 66" & "EL MONTE G-11"

also, in combination with circuit #11 will provide a complete check on circuit No. 1

Also CIRCUIT #13 + Circuit #11 + Circuit #6 + Circuit #10 provides a complete check from BM 11-127 thru BM 11-125 to BM 11-124

JOB NO. 007526 SURVEY OF Los Robles Ave NOTES RED
SURVEY BY J. H. Brown DATE 4/17/58 NOTES CHKD. McMILLAN
NOTES BY J. H. B. DATE
INDEXED C. Johnson DATE

F.B. 8241 PG. 246

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Circuit DESCRIPTION # 13
BM 11-127	234.183				234.183	BM 11-127 Elev = 234.183 Adj 1952
+	5.907		6.157			FB 1376-114
⊼	240090	+1.133	1.129	+1.131		WORKMAN MILL RD & MISSION
−	4.774		5.028			MILL RD 12' S E'ly 1'N'ly from
						℄ ints. std. L.A. Co Survey Mon
						dia 10" in H.H. Marked "BM 11-127
						1952 RE.63"
Aux VIII	235.316				235.314	11 18.5' E of ints std ℄
+	4.688		4.516			WORKMAN MILL RD & MISSION
⊼	240.504	-0.531	0.532	-0.532		MILL RD.
−	5.219		5.243			
EL MONTE G-11	234.785				234.782	EL MONTE G-11. brass tablet in conc
+	4.757		5.336			WORKMAN MILL RD W side
⊼	239.742	-5.915	5.916	-5916		75' N of MISSION MILL RD &
−	10.872		11.252			103' W of old ℄ WORKMAN MILL FB 931-177
EL MONTE G-11 RM #1	228.870				228.866	RM #1 1' I.P. in conc dia 5'
+	5.526		0.675			WORKMAN MILL RD & MISSION MILL west side
⊼	234.396	+1.203	1.203	+1.203		RR 55' N of ℄ MISSION FB 931-177
−	4.323		4.472			E of a L&T in 7 shaped conc. hdwd
T.P.	230.073				230.069	L&T in 7 shaped headwall N side
+	0.877		0.699			MISSION MILL RD & W of Workman
⊼	230.950	-5.725	5.728	-5.726		MILL RD.
−	6.602		6.427			
T.P.	224.348				224.343	1X2 in field (removed)
+	3.657		3.500			
⊼	228.005	-1.332	1.332	-1.332		
−	4.989		4.832			
T.P.	223.016				223.011	1X2 in field (removed)

NOTES RED. JOB NO. 0075.26 SURVEY OF Los Angeles Ave
DATE SURVEY BY J.H. Brown
NOTES CHKD. J.H. MILLARD NOTES BY H.H.B. DATE 4/18/58
DATE INDEXED R. C. Johnson DATE

F.B. 2241 PG. 247

F. B. 2241 Pg. 248

JOB NO. 0075.26 SURVEY OF Los Robles Ave NOTES RED.
SURVEY BY J. W. Brown DATE
NOTES BY J. W. B. DATE 4/17/58 NOTES CK. McMILLAN
INDEXED C. Johnson DATE DATE

768420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION #13
T.P	223.016				223.011	cont fr. last pg.
+	4309		4.210			
⊼	227.325	-0.793	0.792	-0.792		
−	5102		5.002			
set T.P.	222.223				222.219	1x2 in field (removed)
+	5260		5.129			
⊼	227483	+0.741	0.739	+0.740		
−	4519		4390			
set T.P.	222964				222.957	1x2 in field (removed)
+	4337		4472			
⊼	227294	+3.777	3.780	+3.778		
−	0553		0692			
set T.P.	226741				226.737	bt spk top wooden (5x6) fence
+	3892		4052			post on SE R.L. U.P.R.R. 40' NE
⊼	230583	-4.441	4443	-4442		[illegible] E 17 F
−	8283		8495			
set T.P.	222300				222.295	[illegible] over foundation bt in SW
+	8309		8418			side of old house foundation
⊼	230609	+2.826	2.828	+2.827		15' W of S cor
−	5483		5590			
set T.P	225126				225.122	bt spk in pvmt ft. on prod (NE) of
+	5.228		5143			S.E. side of conc. siphon. 7.0' NE
⊼	230354	+0.029	0.028	+0.028		of E cor
−	5199		5115			
set T.P.	225155				225.150	bt spk ctin in pvmt. 1' NW of SE edge
+	1213		1002			on line bet TBM 65 & AUX VII
⊼	226368	-8.335	8.333	-8.334		127' E of TBM 65. 85' NE
−	9548		9335			of TRANS. P. # 914438 E.
set TBM #65	216820				216.816	TBM 65
						desc. next pg.

765420 S & E-353 4-54

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NOTES RED _____ JOB NO. 20725.26 SURVEY OF Los Robles Ave
DATE _____ SURVEY BY J. H. Bryant
NOTES C.F.K.B. McMILLAN NOTES BY J. H. B. DATE 4/19/50
DATE _____ INDEXED K. O. Johnson DATE _____

F. B. 2241 PG. 249

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Circuit DESCRIPTION #13
Set TBM #65	216820				216.816	TBM 65
+	~~9729~~	~~9349~~	9689	~~9996~~		LET in conc. head wall of
=	226749	~~+8346~~	8350	+8347		storm drain about 30'SW of
−	~~1583~~		1339	1559		U.P.R.R. track. 60'N of N.W. cor
				+8350		water pump house, head "Y" in road
						(Calc. 2 Base Mills Cemetery ASS)
Set T.P.	225169				225.166	6" spk in pvmt 1' fr SE edge
+	5060		4.958			of pvmt. 20' W of spk in fence
=	230229	+0.491	0.489	+0.490		running North from "Y" in road.
−	4569		4.469			
Set T.P.	225.660				225.656	set 1x2 in field (removed)
+	5.728		5.811			
=	231.388	+1.360	1.362	+1.361		
−	4.368		4.449			
T.P.	227.020				227.017	1x2 in field (removed)
+	8.393		8.465			
=	235.403	+5.638	5.640	+5.639		
−	2.745		2.825			
Set T.P.	232.658				232.656	6" spk. in west end R.R. tie (west side)
+	3.982		4.252			12'S. of Tel. Pole No # (1st pole N of E 11th)
=	236.640	+1.331	1.329	+1.330		
−	2.651		2.923			
Set T.P.	233.989				233.986	6" spk. in west end of R.R. tie 170' S'ly
+	3.693		3.991			fr. original control point.
=	237.682	−1.699	1.697	−1.695		
−	5.392		5.688			
Set TBM 66	232.290				232.288	TBM 66
						U.P.R.R. E side 5'SW. of L.S.4 in
						base of Elec. Vault & 6½' E'ly of E
						rail of track.

768420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	CIRCUIT DESCRIPTION # 13
set TBM 66	232.290				232.288	TBM 66
+	6.767		6927			cont. fr. last pg.
⊼	239.057	+4.229	4231	+4.230		
−	2.538		2696			
set T.P	236.519				236.518	bt. spk in tie E end 30'
+	4.715		4572			S. of fence line E. Produced west.
⊼	241.234	+1217	1220	+1.218		
−	3.498		3352			
set T.P.	237.736				237.736	bt spk in tie E end 10' S. tel p.
+	3.787		3951			E 21 F
⊼	241.523	+1.162	1.159	+1160		
−	2.625		2792			
set T.P.	238.898				238.896	bt spk in tie E end 14' S of
+	4.369		4329			1st tel. pole S of SAN JOSE Creek
⊼	243.267	+1.157	1.156	+1.156		
−	3.212		3173			
set T.P.	240.055				240.052	Existing bt spk in 4X6 running
+	4.932		5111			along top of bridge ties barrelled
⊼	244.987	−1.036	1.034	−1.035		to E rail 55' N of S E end of
−	5.968		6145			bridge
set T.P.	239.019				239.017	LKT in conc. abutment N W cor.
+	2.725		2522			bridge over SAN JOSE CREEK
⊼	241.744	−5908	5.908	−5.908		U.P. R.R. No ref 4' SE of
−	3.633		8430			NW end of abutment N side of creek
set T.P.	233.111				233.109	1X2 in field (removed)
+	4.319		4211	4338		
⊼	237.430	+0.698	0.693	0.696		
−	3.621		3518	3642		
T.P.	233.809					1X2 in field (removed)
				+0.697	233.806	

JOB NO. 0075.26 SURVEY OF Los Robles Ave NOTES RED
SURVEY BY J. H. Brown DATE
NOTES BY J. H. B. DATE 4/18/52 NOTES CHKD J. F. McMILLAN
INDEXED C. Johnson DATE DATE

F. B. 2241 PG. 250

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	Circuit DESCRIPTION #13
T.P.	233.809				233.806	Cont fr. pg 250
+	6.309		6.166			
⊼	240.118	+4.052	4.054	+4.053		
—	2.257		2.112			
Fd. TBM #7	237.861				237.859	TBM #7 Elev = 237.838 adj pg 28 WORKMAN MILL RD W. Side, "STATE OF CAL DIV OF HWY" br. capped conc. mon 52.48' N of 1st P.I North of SANJOSE CREEK.

O.K.

NOTES RED. JOB NO. 0075.26 SURVEY OF LOS ROBLES AVE.
DATE SURVEY BY J. H. Brown
NOTES CHKD. McMILLAN NOTES BY J. H. B. DATE 4/18/58
DATE INDEXED L. C. Johnson DATE

F. B. 2241 PG. 251

F. B. 2241 Pg. 252

JOB NO. 0275-26 SURVEY OF LOS ROBLES AVE. NOTES RED.
SURVEY BY J.H. Brown DATE
NOTES BY J.H.B. DATE 4-18-58 NOTES CHKD.
INDEXED DATE DATE

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

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765420 S & E-353 4-54

Notes Ck'd by C. R. GOSS	Survey of Los Robles Ave
Map No.	JN 027524 Tape 125 Std 89 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B. Date 8-58
Date	Indexed C. Johnson 9-2-58

F. B 2241 Pg. 253

PROFILE LINES
used to check
SURV. DIV. FILE MAP 96-16

Aug 18 - 28 1958

					diagram page	spirit levels	check elev.
1	P-3	S¼	400'	to check pt Ⓓ	258	266-267	224
1	P-9	NW¼	883	to check pt Ⓔ	257	262-265	223-224
1	P-11A			to P-11B	256		MAP 96-16
1	P-14			to "AC"	255		Map 96-16
	P-17	NE¼		to check pt 3	254	259-261	223

PARTY

J. H. Brown ch. — K. M. Kapp
B. Nunez — chainmen — H. C. Reutch J.H.

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76F3098 CE #247—3-57

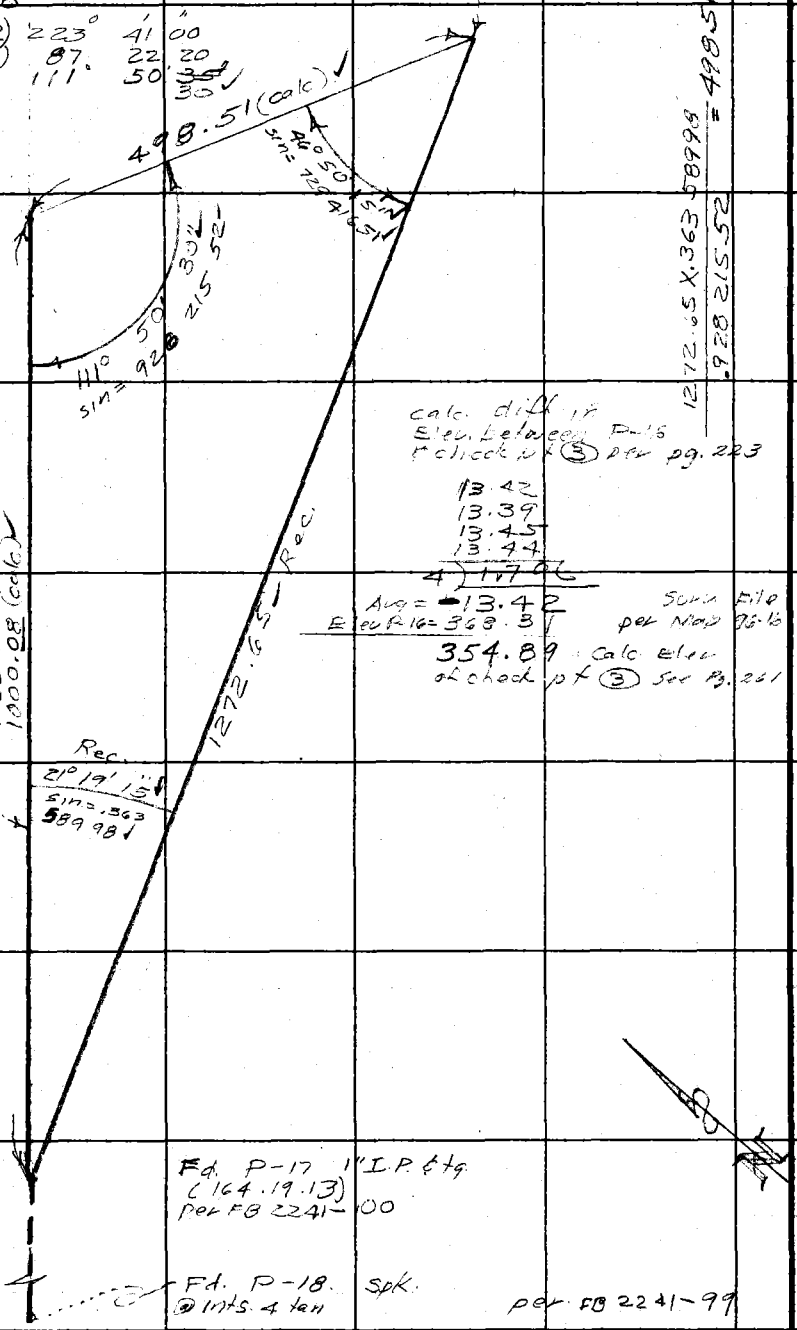
F.B. 2241 Pg. 254

Closure
46 50 15
21 19 15
111 50 ~~35~~ 0
180 00 ~~05~~ 00

2) 93-40-20
4) 187-21-00
Avg) 46-50-15 ✓

Rec (151+46.48) to rig W. on "P" LINE
Fd P-16 1" I.P. ctg. per FB 2241-101

2) 223° 41' 00"
4) 87 22 20
Avg 111° 50' ~~35~~ 30 ✓



Check pt (3)
10+00

1272.65 X .363 589 98 = 498.51
.928 215.52

calc. diff in Elev. between P-16 & check pt (3) per pg. 223

13.42
13.39
13.45
13.44
4) 1.70
Avg = -13.42
Elev P-16 = 368.31
354.89 Calc. Elev. of check pt (3) See Pg. 261

Surv File per Map 96-16

1272.65 X .729 416.51 = 1000.08
.928 215.52

Line produced from P-18 thru P-17 NE¼ for 1,000 ft. set 1½ in ft on line each 50' sta.

1000.0 set
1000.08 (calc) ✓

0+00
going NE

Fd. P-17 1" I.P. ctg. (164.19.13) per FB 2241-100

Fd. P-18 spk. @ ints. 4 tan per FB 2241-99

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Notes Ck'd by C. R. GOSS	Survey of Los Robles Ave
Map No.	JN 0025 26 Tape 125 Std 84 °F
Office Work	Surveyed by J.N. Brown
Checked	Notes J.N.B Date 8-52
Date	Indexed C. Johnson

F. B. 224 Pg. 212

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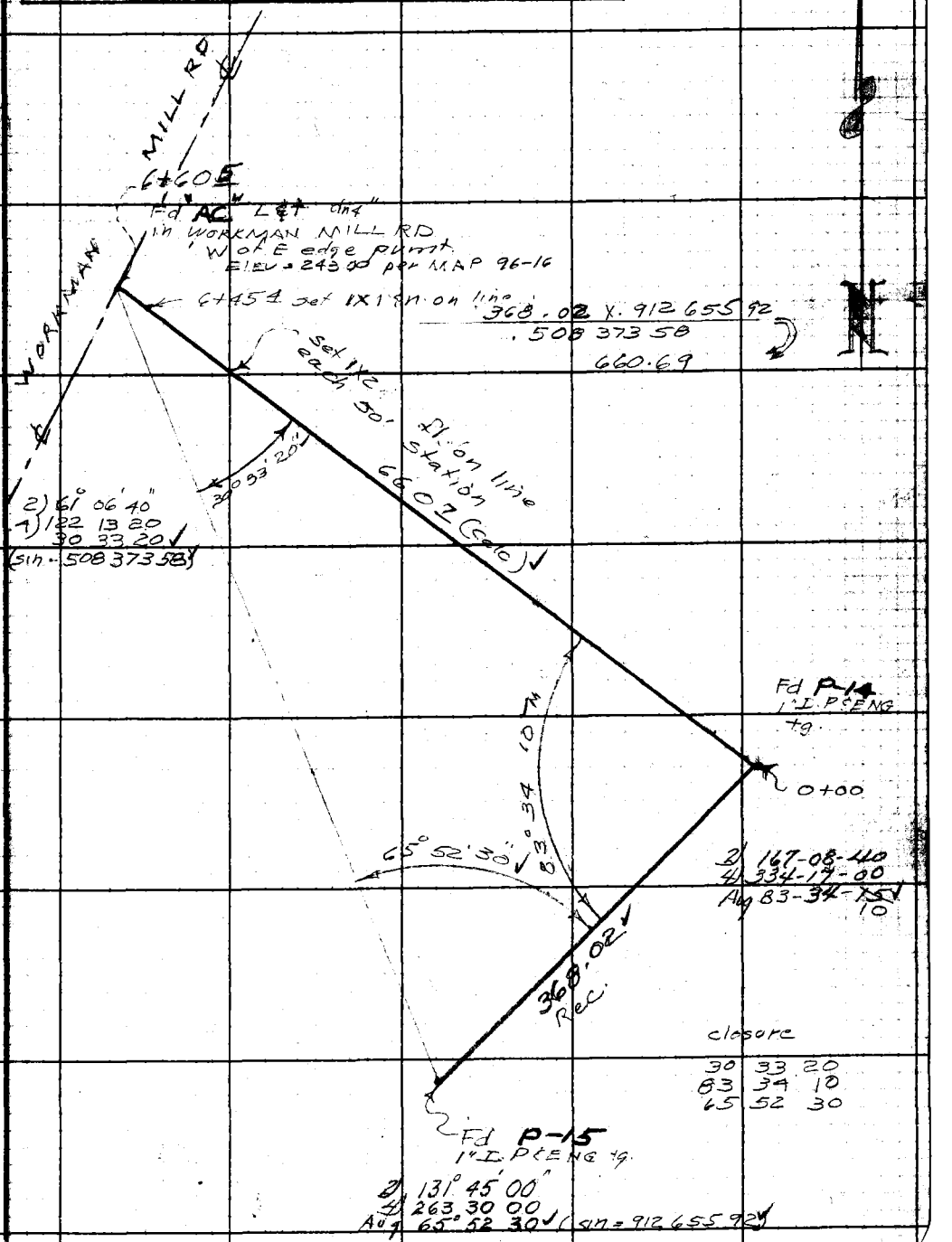
78P3095 CE #247—3-57



F. B. 241 Pg. 256

Fd. P-11-B

Fd. 1" I. P. & ENG. Tg per pg. 110

Fd 1X2 & n per pg. 110

Fd 1X2 & n per pg. 110

Fd 1X2 & n pg. 111

Fd P-11A 1" I. P. ENG Tg. per pg. 111

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Notes Ck'd by C. R. GOSS	Survey of Los Robles Ave	F. B. 2241 Pg. 257
Map No.	JN 0075-26 Tape 125 Std 84 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date 8-58	
Date	Indexed C. Johnson	

Elev P-8 = 761.02 per map 96-16 diff Elev from P-8 to check pt ② as calc. pg 223 & 224
- 30.06
Elev check pt 2 = 730.96 calc ft. P-8
" " " " = 731.00 per pg 265
check pt ② Set 1x2 tn fl on high pt of ridge

= -29.91
-30.13
-30.00
-30.12
+ 1 -.26
Avg = -30.06

8+83 ③

2) 81 54 30
4) 163 49 00
Avg. 40 57 ~~15~~ 10

$\frac{711.52 \times 995\ 518\ 52}{.655\ 436\ 79} = 1080.70$

N

Sin = .655 436 79
40° 57' 10"

1080.70 (calc)

Set 1x2 flush on transit line each 50' sta between P-9 & 7+90.13 ~~check pt ②~~ (Except set nothing @ 8+00 or 8+50)

Fd P-8 1" I.P. & ENG Tg. Pg. 121

Set 1x2 tn on line at 8+31.7 (top of rock ledge)

883.4 Avg bot. Meas & Calc.

883.5 calc

$\frac{711.52 \times .813\ 847\ 98}{.655\ 436\ 79} = 883.49$

84°
Sin = .995 518 52
25"

54° 28' 25"
Sin = .813 847 98

2) 169 09 10
4) 338 18 00
Avg = 84 34 ~~30~~ 25

711.52 Rec.

2) 108 57 00
4) 217 54 00
Avg 54 28 ~~30~~ 25

0+00
Fd P-9
1" I.P. & ENG Tg.
Pg. 119

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76F3095 CE #247—3-57

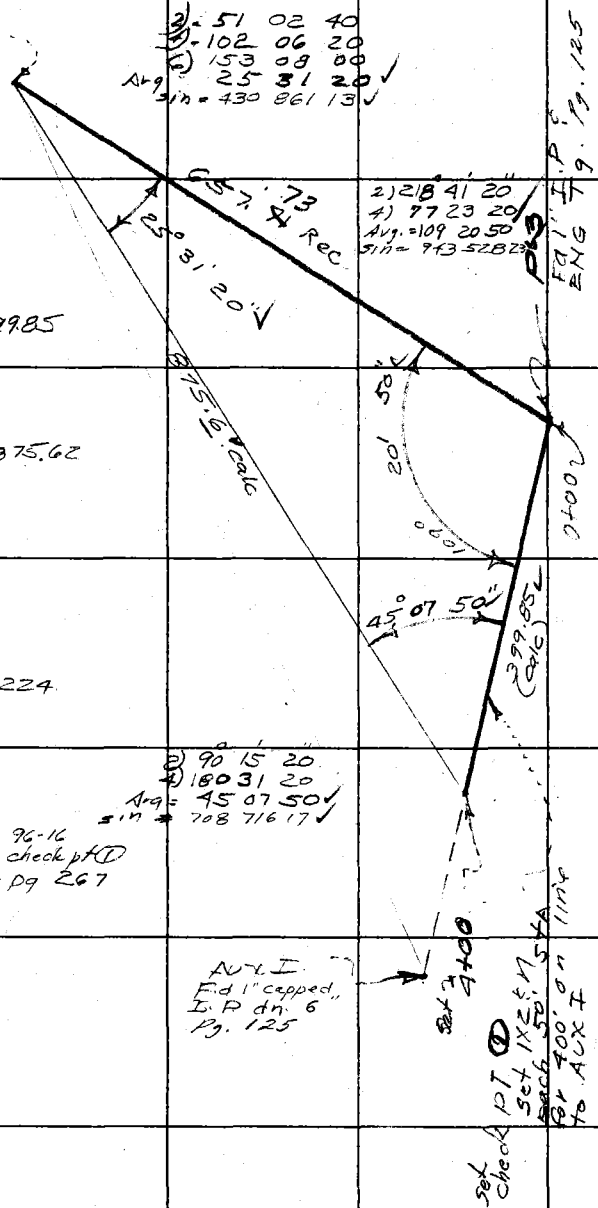
F. B. 2241 Pg. 258

Closure

25 31 20
109 20 50
45 07 50
180 00 00 ✓

P-4
Fd 1" I.P &
ENG. tg.
Pg. 125

2) 51 02 40
4) 102 06 20
6) 153 08 00
Avg 25 31 20 ✓
sin = 430 861 13 ✓



$$\frac{657.71 \times 430\ 861\ 13}{708\ 716\ 17} = 399.85$$

$$\frac{657.71 \times 943\ 528\ 23}{708\ 716\ 17} = 875.62$$

diff in elev. from P-4
to check pt ① calc. pg. 224

+ 37.57
+ 37.54
+ 37.37
+ 37.45
4 203
37.51 Avg.
Elev P-4 563.44 per Map 96-16
600.95 Calc. Elev check pt ①
600.93 Meas per pg 267

2) 90 15 20
4) 180 31 20
Avg = 45 07 50 ✓
sin = 708 716 17 ✓

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76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
PROFILE from P-17 NE'ly to check pt ③ as shown pg 254						
P-17	8 96	288 85		279 89	P-17. Elev = 279.89 per SURV. DIV. FILE	
—	—	—	—	—	MAP 96-16. (1" I.P. & ENG tg. dn 6")	
0+13			89	2799	break ground	
0+50			10 70	278 15	1x2 & n fl.	
0+74			140	2748	break edge road ground	
1+00			147	2741	1x2 in road fl.	
1+3-			149	2739	break edge of road ground	
1+50			152	2736	ground	
1+68			162	2726	thread of drainage ground	
1+76			142	2746	break ground	
2+00			967	279 18	1x2 in fl.	
2+07			87	2801	Top of bank W edge of cut ground	
2+22			122	2766	toe of slope W side " " "	
2+38			126	2762	" " " E " " " "	
2+50			655	282 30	1x2 in bank fl.	
2+54			51	2837	Top of bank E side of cut ground	
3+00			731	281 54	1x2 & n fl.	
3+50			842	280 43	1x2 & n fl.	
3+56		288 85	84	2804	bot of drainage	
					cont next pg	

Profile Notes Red. ____ Plotted ____ Job No. 0075.26 Division No. ____ F. B. 2241 Pg. 259
No. ____ Date ____ Date ____ Survey of Los Robles Ave
X-Sec. Notes Chkd. ____ Checked C. R. GOSS Survey by J. H. Brown Notes J. H. B. Date 8-58
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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F. B. 2241 Pg. 260 Job No. 2275.26 Division No. Notes Red. Plotted Profile
Survey of Las Robles Ave Date 8-28-58 No. X-Sec.
Survey by W. H. Brown Notes by N. B. Notes Chkd. Checked C. R. GOSS
Indexed C. Johnson Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		289 85			cont fr last pg	
3+95			71	289 17	break ground	
T.P. 4+00	10 93	294 35	5 43	288 42	1X2 fn fl.	✓
4+50			4 13	290 22	1X2 fn fl	✓
4+84			1 2	293 2	ground	
5+00			1 71	292 64	1X2 fn fl.	✓
5+36			6 4	2880	break ground	✓
T.P. 5+50	0 66	285 09	9 92	284 43	1X2 fn fl.	✓
T.P. 5+79	0 38	273 84	11 63	273 46	1X2 fl	
T.P. 6+00	0 07	263 86	10 05	263 79	1X2 fn fl	✓
6+18			10 36	25330	1X2 fl brown so. side drainage	✓
6+27			11 °	2529	ground middle of stream	✓
6+37			10 59	25327	1X2 break N. side drainage	
T.P. 6+50	11 56	273 58	1 34	272 02	1X2 fn	✓
6+60			6 5	2671	so side of black-top berm (dirt)	
6+619			578	26780	spk top of berm	
6+63			676	26682	Middle of gutter	
6+66½			6 07	26751	So edge pvmt.	
6+71½			578	26780	middle of pvmt	✓
6+77½		273 58	533	26805	N edge pvmt.	

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
6+77		273 58			cont'd fr pg. 260	
6+85			5 8	2678	break at bot of bank N side of road	
T.P. 6+95 bench	11 77	282 94	1 51	272 07	1X2. 13' N.W. from line	
6+93			8 4	2754	Top of bank	
7+00			4 49	27935	1X2 fn fl	
T.P. 7+07	12 03	294 92	0 95	282 99	1X2 fl	
T.P. 7+27	11 54	306 13	0 33	294 59	1X2 fl	
T.P. 7+41	10 98	316 56	0 55	305 58	1X2 fl	
T.P. 7+50	11 26	323 75	4 07	312 49	1X2 fn fl	
7+60			05	323 3	top of bank ground	
T.P. 7+62	11 51	335 14	0 12	323 63	1X2 fn fl	
8+00			3 07	33207	1X2 fn	
T.P. 8+15	11 34	346 12	0 96	334 28	1X2 fl	
8+50			6 90	339 22	1X2 fn fl	
9+00	11 14	355 72	1 54	344 58	1X2 fn fl	
9+50			6 94	34878	1X2 fn fl. break	
10+00			0 70	355 02	1X2 fn fl. See pg. 254 for calc. Elev.	

Profile Notes Red. Plotted. Job No. 207526 Division No.
No. Date Date Survey of Los Robles Ave F. B. 2241 Pg. 261
X-Sec. Notes Chkd. Checked C. R. GOSS Survey by W. N. Brown Notes W. W. H. Date 8-58
No. Date Date Map No. Indexed C. Johnson

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
PROFILE	from	P-9	N	lg to check pt	(2) pg. 119	
Fd. P-9	049	770 51		770 02	P-9 Elev = 770.02 per SURV. DIV. FILE MAP 96-16 & F.B. 2241-141	
T.P. 0+22	059	759 72	11 38	759 13	1"I.P. & Eng tg dn 6"	
T.P. 0+44	086	748 85	11 73	747 99	1X1 on line fl	
0+48			26	746 2	cow trail 18" wide	ground
0+50			3 06	745 79	1X2 & n on line fl.	
T.P. 0+77	049	737 64	11 70	737 15	1X1 on line fl	
1+00			7 42	730 22	1X2 & n on line fl	
T.P. 1+13	051	726 50	11 65	725 99	1X1 on line fl	
1+24			53	721 2	cow trail 24" wide	ground
T.P. 1+38	011	715 09	11 52	714 98	1X1 on line fl	
1+41			12	713 9	cow trail 18" wide	ground
1+50			5 45	709 64	1X2 & n 0.5 Slg fr N. edge of cow trail	fl
T.P. 1+63	024	703 61	11 72	703 37	1X1 on line fl.	
1+80			92	694 4	cow trail 18" wide	ground
T.P. 1+85	065	692 58	11 68	691 93	1X1 on line fl.	
2+00			8 88	683 70	1X2 & n fl on line	(S. edge of cow trail)
T.P. 2+06	021	680 80	11 99	680 59	1X1 on Line fl.	
2+11			31	677 7	cow trail 18" wide	
T.P. 2+26			11 23	669 57	1X1 on line fl.	

F. B. 2241 Pg. 262 Job No. 007526 Division No. Notes Red. Plotted Profile
Survey of Los Robles Ave Date Date No.
Survey by H. Brown Notes H. B. Checked C. R. GOSS X-Sec.
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.(2+26)	0 39	669 96		669 57	cont fr last pg.	
T.P. (2+44)	090	659 20	11 66	658 30	1X1 on line ℄	
2+50			4 14	655 06	1X2 fn on line ℄.	
2+61			10 °	649 2	cow trail 15" wide (ground)	
T.P. (2+95)	0 04	647 30	11 94	647 26	1X1 on line ℄.	
T. P.(2+95)	012	635 69	11 73	635 57	1X1 on line ℄.	
3+00			8 34	627 35	1X2 fn on line ℄ (cow trail 1' wide)	
T.P.(3+06)	0 09	624 25	11 50	624 19	1X1 on line ℄	
T.P. (3+27)	012	612 53	11 87	612 41	1X2 (broken) on line ℄.	
T. P. (3+46)	011	600 73	11 91	600 62	1X2 on line ℄.	
3+50			2 31	598 93	1X2 fn on line ℄.	
T. P.(3+65)	0 66	589 30	12 09	588 64	1X1 on line ℄	
T.P.(3+86)	047	577 93	11 85	577 45	1X1 on line ℄	
4+00			7 64	570 28	1X2 fn on line ℄.	
T. P. (4+09)	0 21	566 54	11 59	566 33	1X1 on line ℄	
T.P.(4+36)	035	554 97	11 72	554 62	1X1 on line ℄. (cow trail 12" wide)	
4+46			3 ±	551.8	break ground	
4+50			358	551 39	1X2 fn ℄ o	
4+93			7 3	547 7	break ground	
T. P 5+00			9 10	545 87	1X2 f n. on line ℄.	

Profile Notes Red. Plotted Job No. 005:26 Division No. F. B. 22241 Pg. 243
No. Date Survey of Los Robles Ave Date 8-58
X-Sec. Notes Cbkd. Checked C. R. GOSS Survey by W. H. Brown Notes W. H. B. Date
No. Date Map No. Indexed K. C. Johnson

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P. 5+00	0 51	546 38		545 87	cont fr last pg.	
5+05			2 9	5435	break ground	
T.P. 5+16	0 97	535 49	11 86	531 52	1X2 on line fl.	
T.P. 5+26	9 04	533 67	10 86	524 63	1X2 on line fl.	
5+29.5			11 31	522 36	1X2 & n. on line fl.	thread of dry stream
5+38			6 8	5269	break ground	
T.P. 5+50	11 40	543 30	1 77	531 90	1X2 & n. on line fl.	
5+63			6 0	53[illegible]3	break ground	high part bet. two drainages
5+77			7 51	535 8	1X2 on line fl. break	thread of drainage.
T.P. 5+88	11 10	553 08	1 32	541 98	1X2 on line fl.	
5+94			4 6	5485	break ground	Top of bank.
T.P. 6+00	11 81	562 59	2 30	550 78	1X2 & n. on line fl.	
6+12			8 5	5541	break ground (fence line)	
T.P. 6+50	10 85	573 33	0 11	562 48	1X1 on line fl.	
T.P. 6+81	11 43	584 74	0 02	573 31	1X1 on line fl. break	
T.P. 7+00	11 16	595 67	0 23	584 51	1X2 on line fl.	
T.P. 7+15	11 16	606 58	0 25	595 42	1X1 5° West of line fl.	
T.P. 7+32	11 10	617 66	0 02	606 56	1X1 on line fl.	
7+42			7 9	6098	break ground	
7+50			6 16	611 50	1X1 on line fl.	
T.P. 7+71			0 45	617 21	1X1 on line fl.	

F. B. 2241 Pg. 264 Job No. 007526 Division No. Notes Red. Plotted No. Profile
Survey of Los Robles Ave Date 8-58 Date X-Sec.
Survey by J. H. Brown Notes Kim Kapp Checked C. R. GOSS
Indexed C. Johnson Date Date No.

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Profile Notes Red_____ Plotted_____ Job No. 007526 Division No._____
No._____ Date_____ Date_____ Survey of Las Bolsas Ave
X-Sec. Notes Chkd._____ Checked C. R. GOSS Survey by W.W.B. Jones Notes by E.M.S. Date 4-58
No._____ Date_____ Date_____ Map No._____ Indexed C. R. G. Job Date

F. B. 2241 P.B. 265

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P. 7+71	12 17	629 38		617 21	Cont. fr. last pg.
7+75			10 75	618 63	1X2 on line fl. break
T.P. 7+87	5 29	633 72	0 95	628 43	1X1 on line fl.
7+90			3 12	630 60	1X2 on line fl. break base of cliff
8+31.2			(calc)	~~686.98~~ 681.7	681.3 See pg. 257 & see Line A, B & C below.
8+83.2			(calc)	731.0	See pg. 257 & see line B. below
T.P.	0 12	622 60	11 18	622 54	lath
T.P. 7+50	0 66	612 16	11 16	611 50	1X1 on line fl.
T.P.	0 73	601 30	11 59	600 57	lath
T.P.	1 08	591 31	11 07	590 23	lath
T.P. 7+00			6 80	584 51	1X2 on line fl. See pg. 264 for Elev. = 584.51

A — Elev = 550.78 pg 264 — 6+00 + 231.7 = 8+31.7 — COS: .87123761

T @ 6+00 — H.I. = 4.78 = Rod — diff = 0

265.91 (Meas) (@ 7.0°) = 265.91' — 265.91 @ 29° 23' 50" (Sin = .490 861 52) = 130.47 — 6+00 + 130.47 + 50.78 = 681.25 — 681.30

265.91 X (Cos 29° 23' 50") = 231.69 Hor. Dist.

D = + 29 23 40
R = - 29 23 00
Avg = 29 23 50

B — Elev: 584.51 + 4.55 = 589.06 — H.I. = 4.55 = Rod — diff = 0 — 7+00 + 183.3 = 8+83.3

7+00 @ (Meas) 234.68 (@ 7.0°) = 234.68' — 234.68 @ 38° 37' 30" (Sin = .624 220 54) = 146.49 — 146.49 + 584.51 = 731.00 — 725.55 — 731.00

234.68 X (Cos 38° 37' 30") = 183.34' Hor. dist.

D = + 38° 37' 20"
R = - 38° 37' 40"
Avg = 38 37 30

C — @ 8+53.3 — H.I. = 5.36 = Rod — diff = 0 — 8+83.3 − 51.1 = 8+31.2 — + 731.00 (from B)

(Meas) 71.78 (@ 82) = 71.78' — 71.78 @ 43° 49' 30" (Sin = .692 458 04) = 49.64 (calc) — COS: .721 45815

71.78 X (Cos 43° 49' 30") = 51.7' Hor. dist.

+ 682.06 (calc)
681.25 (from A)

D = - 43 49 20
R = - 43 49 40
Avg = - 43 49 30

Mean = 681.66 — 681.30

~~731.00~~ ~~735.55~~ -49.70 + 5.36

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	
PROFILE from P-3 S'lg toward Aux I for dist 400' Pg. 125					
0+00	2 14	548 82		546 68	P-3 Elev = 546.68 per SUR FILE MAP 96-16 & F.B. 2241-135 1" I.P. & Eng tg dn 6"
0+50			4 28	544 54	1x1 on line fl.
0+74 3			6 18	542 64	1x1 on line fl. break
0+86 T.P.	0 47	537 60	11 49	537 33	1x1 on line fl.
0+91			3 8	534 0	18" cow trail ground
0+98			6 9	530 9	18" cow trail ground
1+00			7 68	530 12	1x1 on line fl.
1+09 T.P.	0 16	526 24	11 72	526 08	1x1 on line fl. 24" cow trail
1+17			3 92	522 32	1x1 on line fl. bot. brk.
1+32			6 2	520 0	brk. ground
1+43			13 0	513 2	brk. ground
1+50			14 4	511 8	brk. ground top edge bank
1+54			20 8	505 4	thread of stream (dry) ground
1+78			6 3	519 9	brk. ground top of bank
2+00			5 81	520 43	1x1 on line fl.
2+09			5 3	520 9	brk. ground toe of fill
2+12			4 1	522 1	brk. ground top of fill
2+27			3 8	522 4	brk. ground S. edge dirt road
2+29			1 6	524 6	brk. ground top of cut to road

F. B. 2241 Pg. 266 Job No. 0075.26 Division No. Notes Red. Plotted Profile
Survey of Los Roble Ave Date 8-25-58 Date No.
Survey by J. H. Brown Notes K. M. Kapp Notes Chkd. Checked C. R. GOSS X-Sec.
Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
		526 24				
2+31 T.P.	10 69	536 19	0 74	525 50	See last pg.	
2+50			3 07	533 12	1x1 on line fl.	
2+55 T.P.	11 46	547 29	0 36	535 83	1x1 " " "	
2+61			8 6	538 7	18" cow trail grd.	
2+71 T.P.	11 32	558 38	0 23	547 06	1x1 on line fl.	
3+00			2 65	555 73	" " " "	
3+06 T.P.	12 36	570 54	0 20	558 18	" " " "	
3+38 T.P.	11 82	582 26	0 10	570 44	" " " "	
3+50			5 93	576 33	" " " "	
3+61 T.P.	12 16	593 87	0 55	581 71	" " " "	
3+88 T.P.	12 12	605 30	0 69	593 18	" " " "	
4+00			4 37	600 93	1x1 and nail on line fl.	

Profile Notes Red. ____ Plotted ____ Job No. 2075 26 Division No. ____ F. B. 2241 Pg. 267

No. ____ Date ____ Date ____ Survey of Los Angeles Ave

X-Sec. Notes Chkd. ____ Checked C. R. GOSS Survey by H. H. Brown Notes KMK Date 8-25-58

No. ____ Date ____ Date ____ Map No. ____ Indexed ~~X~~ C. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
PROFILE from P-14 N W'ly to "AC"						
	0 44	411 84		411 40	P-14 Elev = 411.40 Per 1" I.P. & ENG tg dn. 6"	SURV. DIV. FILE MAP 96-16
T.P. 0+21	0 30	400 89	11 25	400 59	1X1 fl. on line	
T.P. 0+36	0 81	390 09	11 61	389 28	1X1 fl. on line	
T.P. 0+50	0 61	379 57	11 13	378 96	1X1 fl. on line	
T.P. 0+67	0 88	368 97	11 48	368 09	1X1 fl. on line	
T.P. 0+82	0 03	357 77	11 23	357 74	1X1 fl on line	
T.P. 1+00	0 17	346 07	11 87	345 90	1X1 fl on line	
T.P. 1+20	0 23	334 93	11 37	334 70	1X1 fl on line	
T.P. 1+42	0 89	324 80	11 02	323 91	1X1 fl on line	(break to edge of old road)
1+50			4 86	319 94	1X1 fl on line	
1+56			78	317 0	ground E edge old road	
1+65			93	315 5	" W edge " "	
T.P. 1+70	0 06	313 49	11 37	313 43	1X1 fl on line	
1+72			1[illegible]	312 5	ground 15" [illegible] trail	
T.P. 2+00	1 09	303 92	10 66	302 83	1X1 fl on line	
T.P. 2+28	0 44	294 58	9 78	294 14	1X1 fl on line top of bank E side of road.	
2+31			40	290 6	ground bot " " " " " "	
2+42			49	289 7	ground W edge of road	
T.P. 2+45			77	286 9	ground E edge of trail	
2+50			8 72	285 86	1X1 fl in trail	

F. B. 2241 Pg. 268

Job No. 007526 Division No. Notes Red. Plotted Profile

Survey of Los Robles Ave Date 8-26-58 Date No.

Survey by J. H. Brown Notes J. H. B. Notes Chkd. Checked C. R. Gass X-Sec.

Indexed C. Johnson Date Date No.

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STATION	S. S.	H. I.	F. S.	ELEV.		
T.P. 2+50	1 57	287 43		285 86	cont fr. bot pg. 268	
2+54			24	2850	ground w edge trail	
2+60			55	2819	ground top of bank	(Red = 11.69 + .75 = 12.44
T.P. 2+68	085	275 84	12 44	274 99	1X1 fl bot of bank	Send of E. side of water main trestle
2+71			081	275 03	top of center of water	(Iron 4' dia) Main
2+81			34	2724	ground slight ridge bet cut for pipe & slope of hill	
T.P. 2+91	072	265 44	11 12	264 72	1X1 fl on line	
3+00			651	258 93	1X1 fl. on line	
T.P. 3+09	026	254 62	11 08	254 36	1X1 fl on line	
3+24			84	2462	top of bank	
T.P. 3+27	036	243 64	11 34	243 28	1X1 fl on line	
3+35			51	2385	break ground	
3+41			58	2378	trail	
3+46			63	2373	top of bank ground	
T.P. 3+50	001	234 47	918	234 46	1X2 fl on line	break.
T.P. (approx) 3+65	219	226 69	997	224 50	1X1 5' S of line (Approx)	
3+63			55	2212	break ground	
3+74			67	2200	break ground	top of channel
3+75			76	2191	E edge of channel	bot bank
3+78.5			81	2186	thread of stream	
3+82			75	2192	wedge of channel	

Profile Notes Red. ____ Plotted ____ Job No. 007526 Division No. ____ F. B. 2241 Pg. 269
No. ____ Date ____ Date ____ Survey of Los Robles Ave
X-Sec. Notes Chkd. ____ Checked C. R. GOSS Survey by J. H. Brown Notes J. H. R. Date 8-26-58
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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F. B. 2241 Pg. 270 | Job No. 027526 Division No. | Notes Red. | Plotted | No. | Profile
Survey of Los Angeles Ave | Date | Date | No. | X-Sec.
Survey by W.H. Brown Notes C.H.B. | Notes Chkd. | Checked C. R. Goss
Indexed C. Johnson Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		226 69				
3+84			66	2201	top of bank W side stream	
3+92			53	2214	break ground	
4+00			486	22181	1X2 ft. on line	
4+50			568	22101	1X1 ft. on line	
4+63			49	2218	ground break	
4+67			32	2235	ground break	
4+80			28	2239	ground break	
4+91			16	2251	ground "	
T.P. 5+00	11 71	23664	176	22493	1X1 ft on line	
5+19			108	2258	ground break	
5+29			116	2250	" "	
5+40			106	2260	" "	
5+50			1061	22603	1X1 ft on line	
5+63			105	2261	ground break top of fill	
5+95			13	2353	" " in slope of fill	
T.P. 6+00	11 29	24783	010	23654	1X1 ft on line	
6+04			105	2373	ground break.	
6+22			54	2424	" "	
6+30			48	2430	" "	
6+37			55	2423	dirt path for E. side workman Mill Rd	
6+59			466	24317	E edge of pvmt, workman Mill Rd. E side (W edge of 25' black top shoulder)	

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
6+00		247 83			cont fr pg 270	
TBM #9	3 79	247 76	386	243.97	spk in p.p.	
"AC"			4 85	242.91	Fd L&T in workman Mill Rd 1 ± W of	
					E edge of pvmt. (w edge of E shoulder)	
					Elev L&T = 243.00	per Map 96-16.

Profile Notes Red. ____ Plotted ____ Job No. 007526 Division No. ____ F. B. 2241 Pg. 271
No. ____ Date ____ Date ____ Survey of Los Robles Ave
X-Sec. Notes Chkd. ____ Checked C. R. GOSS Survey by J. H. Brown Notes J.H.B. Date 8-26-58
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
PROFILE from P-11A NW					(Note: shots taken each 50 not on even 50 plusses ly to P-11B due to starting with wrong plus)	
105+43.58	0.87	643.40		642.53	P-11A Elev 642.53 per Map 96-16 & F.B. 2241-111 1" I.P. TENG tg dn 6"	
105+45			05	6429	ground break	
105+58			91	6343	ground 24" cow trail	
T.P. 105+64.0	1.88	633.39	11.89	631.51	1X1 fl on line	
T.P. 105+78.1	1.91	624.12	11.18	622.21	1X2 fl on line	
T.P. 105+89.7	0.19	613.49	10.82	613.30	1X1 fl on line	
105+94			28	6107	ground	
T.P. 106+06.0	0.21	601.86	11.64	601.65	1X1 fl on line	
T.P. 106+21.3	1.17	591.65	11.38	590.48	1X1 fl on line	
106+34.7			101	5816	ground cow trail	18" wide (break)
T.P. 106+36.6	0.34	580.43	11.56	580.09	1X1 fl. on line	
106+44			43	5761	ground	
T.P. 106+53.5	0.53	569.21	11.75	568.68	1X1 fl on line	
106+58			46	5646	ground break	
T.P. 106+66.2	0.70	558.36	11.55	557.66	1X1 fl on line	
T.P. 106+84.0	0.57	547.42	11.51	546.85	1X1 fl on line	
106+94			66	5408	ground	
106+96			83	5391	ground break	
T.P. 107+06.1			11.54	535.88	1X2 fl. on line	break

F. B. 2241 Pg. 272 Job No. 007526 Division No. Notes Red. Plotted No. Profile
Survey of Los Robles Ave. Date 8-28-58 Date No. X-Sec.
Survey by J. H. Brown Notes J. H. B. Notes Chkd. Checked C. R. GOSS
Indexed C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	
T.P. 107+06 1	063	536 51		535 88	cont. fr pg 272
107+14			5 2	531 3	ground (break)
T.P. 107+29 6	050	525 42	11 59	524 92	1X1 fl on line
107+33			0 9	524 5	ground break
107+40			4 7	520 7	ground break
107+44			6 3	519 1	ground
T.P. 107+62 9	1 66	515 63	11 45	513 97	1X1 fl on line
107+94			8 3	507 3	ground
Fd 108 07 45			10 43	505 20	1X2 Sn 108+07.45 on "P" line pg. 111 this book
T.P. 108+11 0	097	505 35	11 25	504 38	1X1 fl on line
108+50			10 3	495 1	ground
T.P. 108+54 8	909	503 48	10 96	494 39	1X1 fl on line
108+64			10 9	492 6	ground break
108+74			18 71	484 77	1X1 fl on line Rod = 8.09 + 10.62
108+86			27 82	475 66	1X1 fl. on line Rod = 809 + 10.62 + 9.11
108+88			28 6	474 9	break top bank. Rod = 8[illegible] + 9.11 + 0 8
109+00			38 6	464 9	bot. bank east edge of dry stream Rod 28 6 + 10 0
109+01 5			38 8	464 7	thread Rod = 28 6 + 10 2
109+03			38 5	465 0	bot bank w. edge of stream Rod = 28 6 + 9 9
109+06			32 8	470 7	top bank w side of stream Rod = 28 6 + 4 2
109+12			31 7	471 8	bot of slide. Rod = 28 6 + 3 1
T.P. 109+38	11 01	512 65	1 84	501 64	1X2 5½' s of line & approx. 109+38
Fd T.P. 109+46 91			6 67	505 98	1X2 ch fl on line top of slide top of ridge

Profile Notes Red. ____ Plotted ____ Job No. 07526 Division No. ____ F. B. 2241 Pg. 273
No. ____ Date ____ Date ____ Survey of Los Robles Ave
X-Sec. Notes Clkd. ____ Checked C. R. Goss Survey by J. H. Brown Notes 11-19 Date 8-28-59
No. ____ Date ____ Date ____ Map No. ____ Indexed K. C. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
Fd T.P. 109+46.91	1.92	507.90		505.98	cont fr. last pg	(273) F.B. 2241-110
109+50			20	505.9	ground @ fence line break	
T.D. 109+84.8	0.59	497.54	10.95	496.95	1X1 fl. on line	
110+00			22	495.3	ground	
110+04			27	494.8	ground break top	
110+07			51	492.4	ground break bot	
110+32			76	489.9	ground break	
110+43			87	488.3	ground bot bank thread stream (dry)	
110+50			64	491.1	ground top break	
110+67			43	493.2	ground bot of slide	
T.P. 110+73.1	10.99	508.20	0.33	497.21	1X1 fl. on line	
T.D. 110+88	5.19	513.14	0.25	507.95	1X1 fl. on line	
T.P. 110+92.6	2.90	513.79	2.25	510.89	1X2 fl. on line break in slide	
109+46.91			7.80	505.99	1X2 sm. Elev. 505.98 above	

⊼ @ 109.46.91 HI = 4.31 = Rod HOR dist = 111 44.61 − 109 46.91 = 1 97.70

Rod on 111+44.61

V.A. = + D = 18° 18' 00" + R = 18° 18' 20" + Avg = 18° 18' 10" Tan = .03307822 VERT DIST = + 65.39

⊼ @ 111+44.61 HI = 4.11 = Rod Hor dis

Rod @ 109.46.91

V.A. = − D 18° 18' 00" − R 18° 18' 00" Avg = 18° 18' 00" Tan = .03307184 Vert dist = − 65.38

Elev of 109+46.91 = 505.98 (above)

Mean vert dist = 65.39 (calc)

111+44.61 571.37 (calc) cont pg 275

F. B. 2241 Pg. 274

Job No. 007526 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of Los Robles Ave Date ____ Date ____ No. ____

Survey by W. H. Brown Notes W. H. B. Notes Chkd. ____ Checked C. R. GOSS X-Sec. ____

Indexed C. Johnson Date 8-28-58 Date ____ Date ____ No. ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
111+44.61	7 08	578 45		571 37	cont ft pg 274. break top of slide.	
	10 52	585 40	3 57	574 88	ground. T.P.	
P-11-B 111+97.02			1 60	583 80	P-11-B Elev = 583.87 1" I.P & Eng tg dn 6	Map 96-16 & F.B. 2241-110

Profile Notes Red. ____ Plotted ____ Job No. 0075-26 Division No. ____ F. B. 2241 Pg. 275
No. ____ Date ____ Date ____ Survey of Los Robles Ave
X-Sec. Notes Chkd. ____ Checked C. R. GOSS Survey by L. H. Brown Notes L.H.B. Date 8-28-58
No. ____ Date ____ Date ____ Map No. ____ Indexed X C. Johnson Date ____

Notes Ck'd by Miller
Map No. R 2704
Office Work T. H. BURNS
Checked W. J. BRENNER
Date APRIL, 1960

Survey of Los Robles Ave
JN 0075.26 Tape 074 Std 68 °F
Surveyed by Dougherty
Notes Jack D. Date 2-29-60
Indexed C. Johnson 3-7-60

F. B. 2241 PG. 277

J.N. 0075.26

Los Robles Ave.

℄ Survey from the Westerly Line of Tr# 1953 east to Turnbull Cn. Rd.

2-29-60

Dougherty
Newman
Sandoval
Adams

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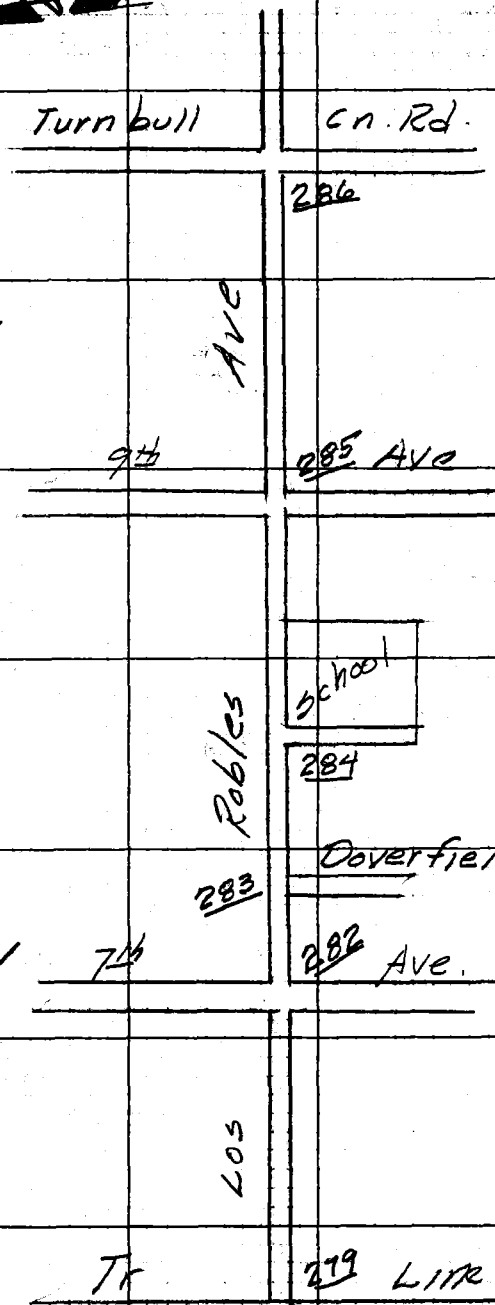
76P309S CE #247 3-57

F. B. 2241 Pg. 278



& Index

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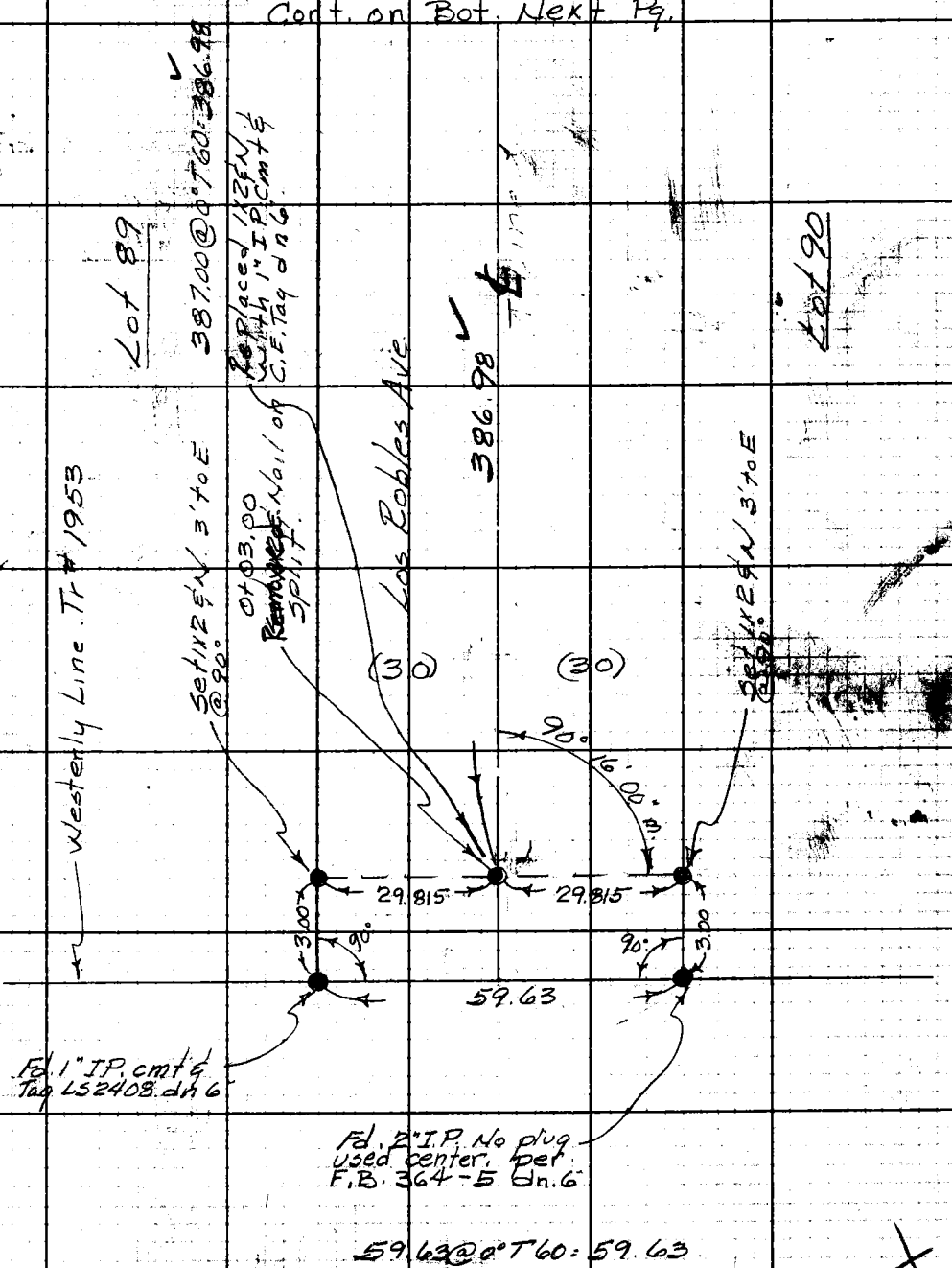
Notes Ck'd by Miller	Survey of Los Robles Ave
Map No. CSB 2704	JN 0075.26 Tape 074 Std 68° °F
Office Work S. H. BURNS	Surveyed by Dougherty
Checked W. J. BRENNER	Notes Dougherty Date 2-29-60
Date APRIL 1960	Indexed C. Johnson

F. B. 2241 Pg. 279

Cont. on Bot. Next Pg.



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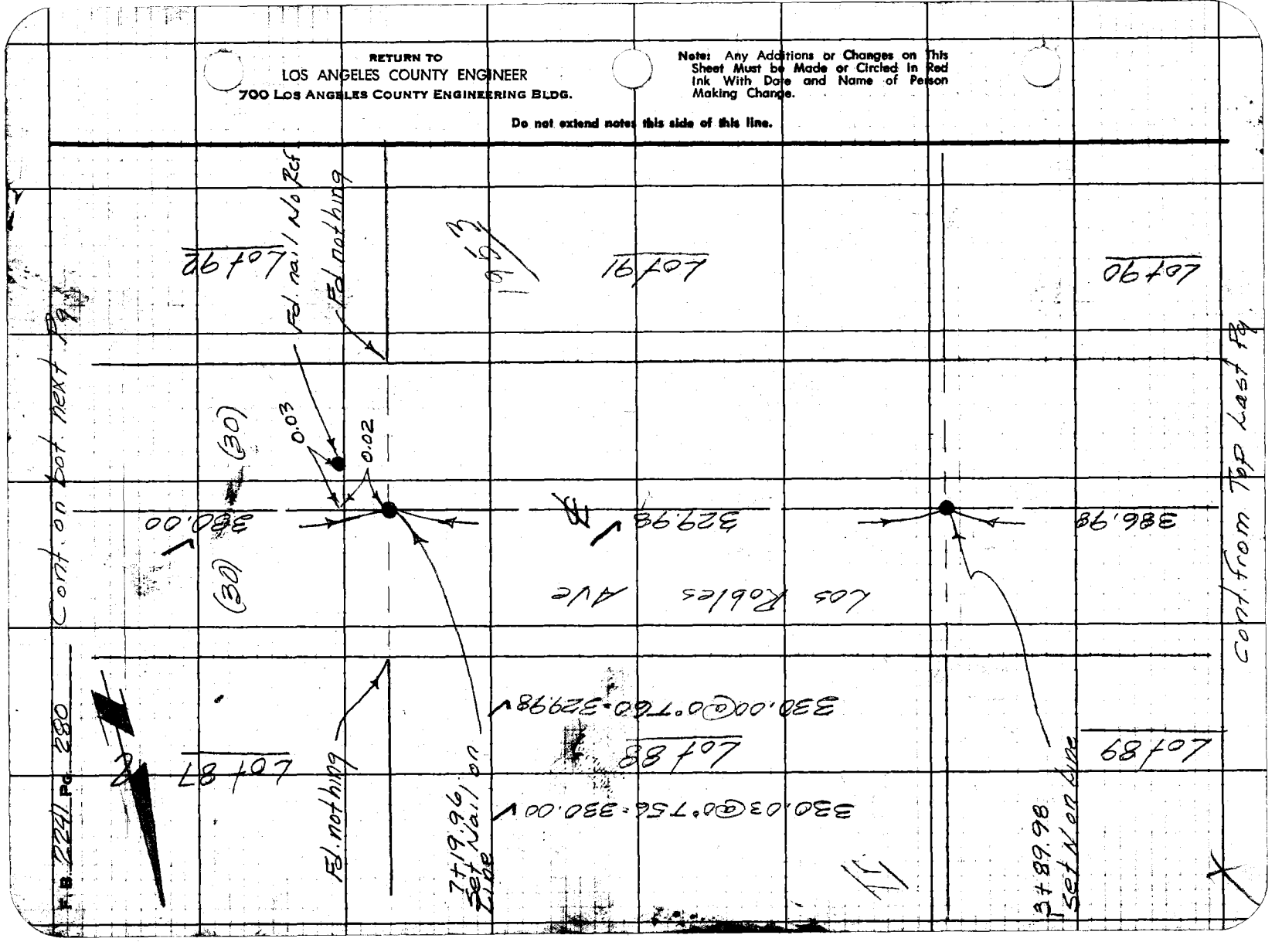
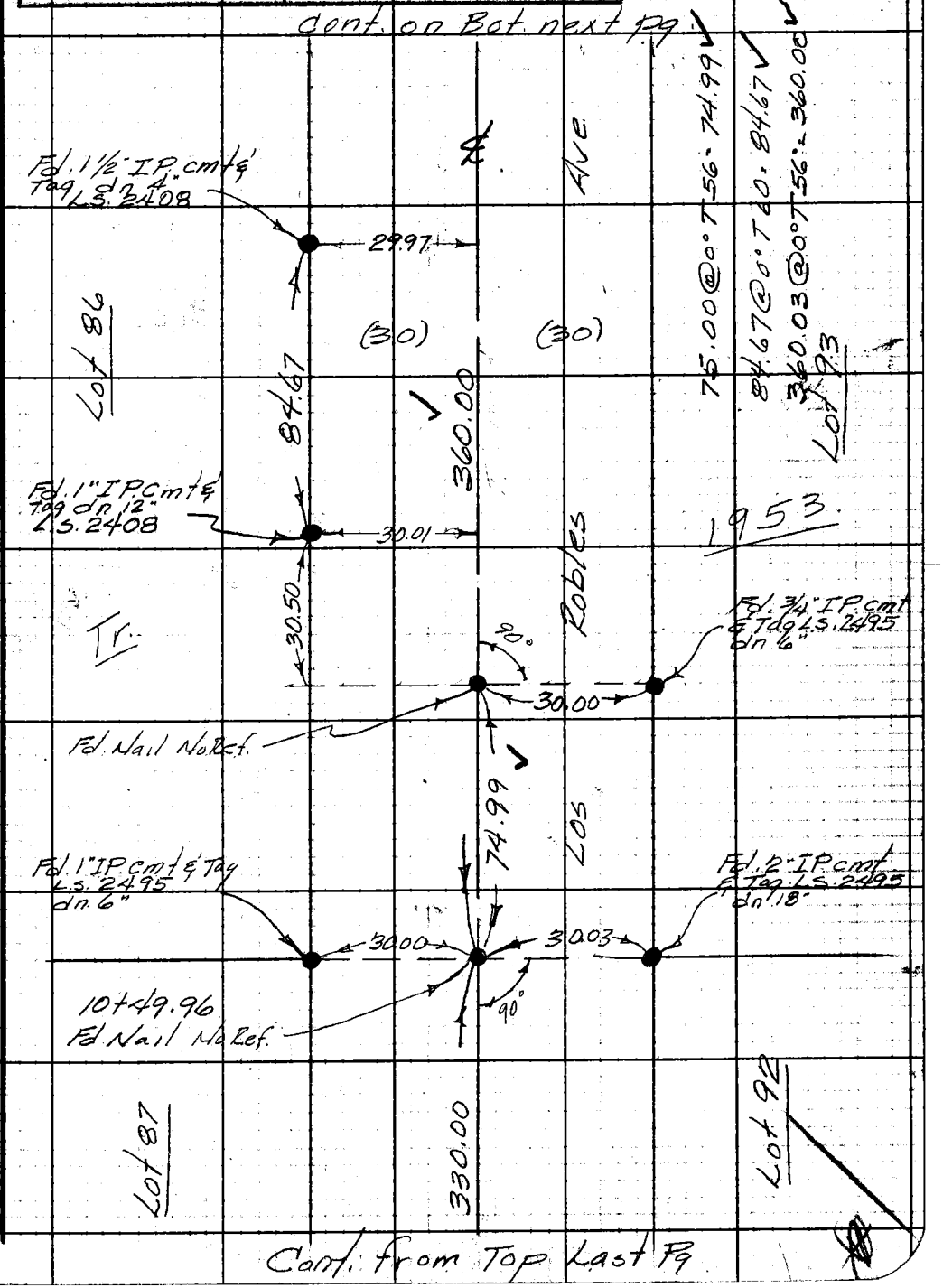


Notes Ck'd by Miller
Map No. CSB 2704
Office Work T. H. BURNS
Checked W. J. BRENNER
Date APRIL 1960

Survey of Los Robles Ave
JN 0075.26 Tape 074 Std 68 °F
Surveyed by Dougherty
Notes Dougherty Date 2-29-60
Indexed C. Johnson

F. B. 2241 Pg. 281



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W.S. 37 P-3

76F3099 CE #247—3-57

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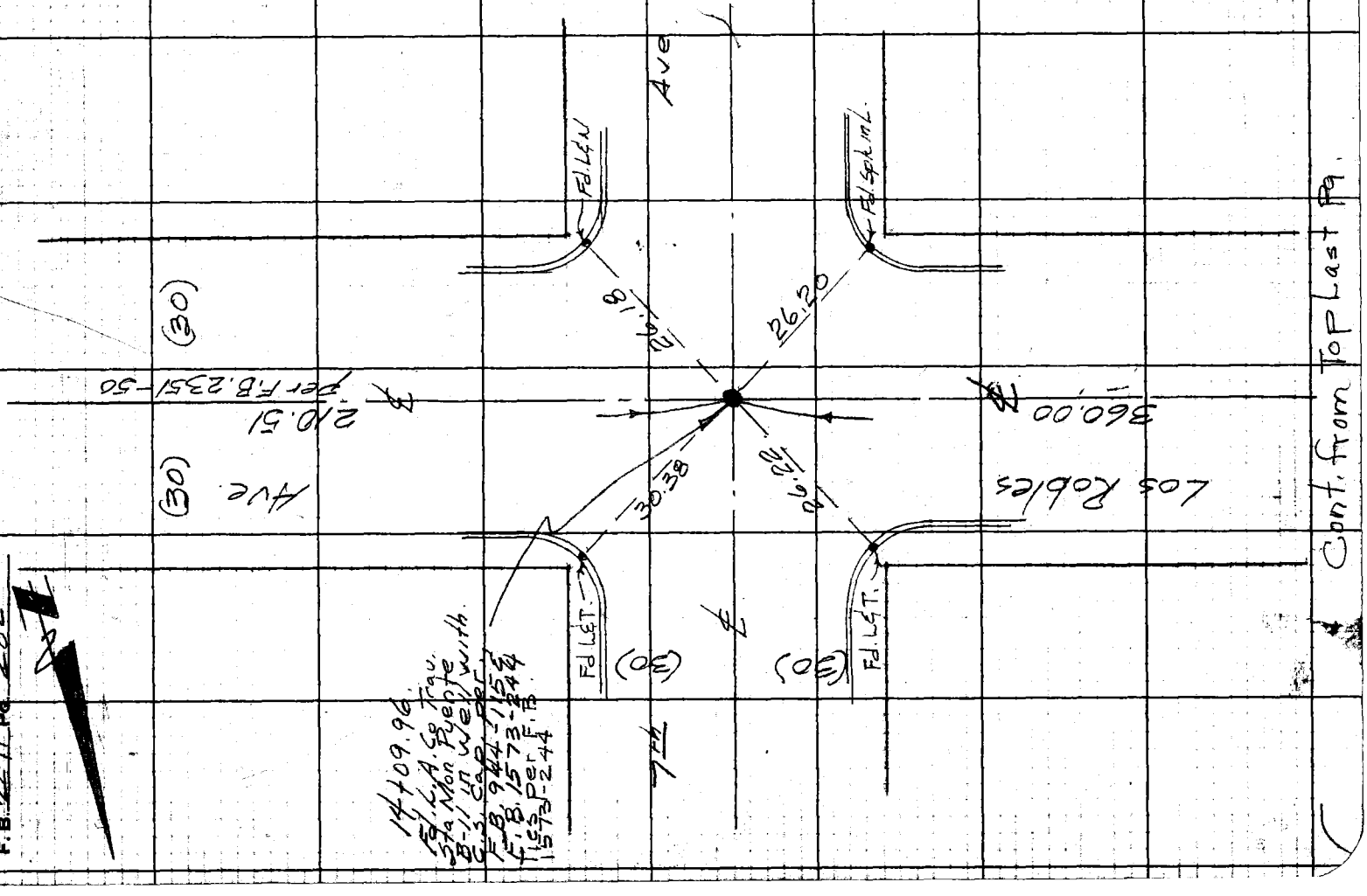
W.S. 37 - D-3



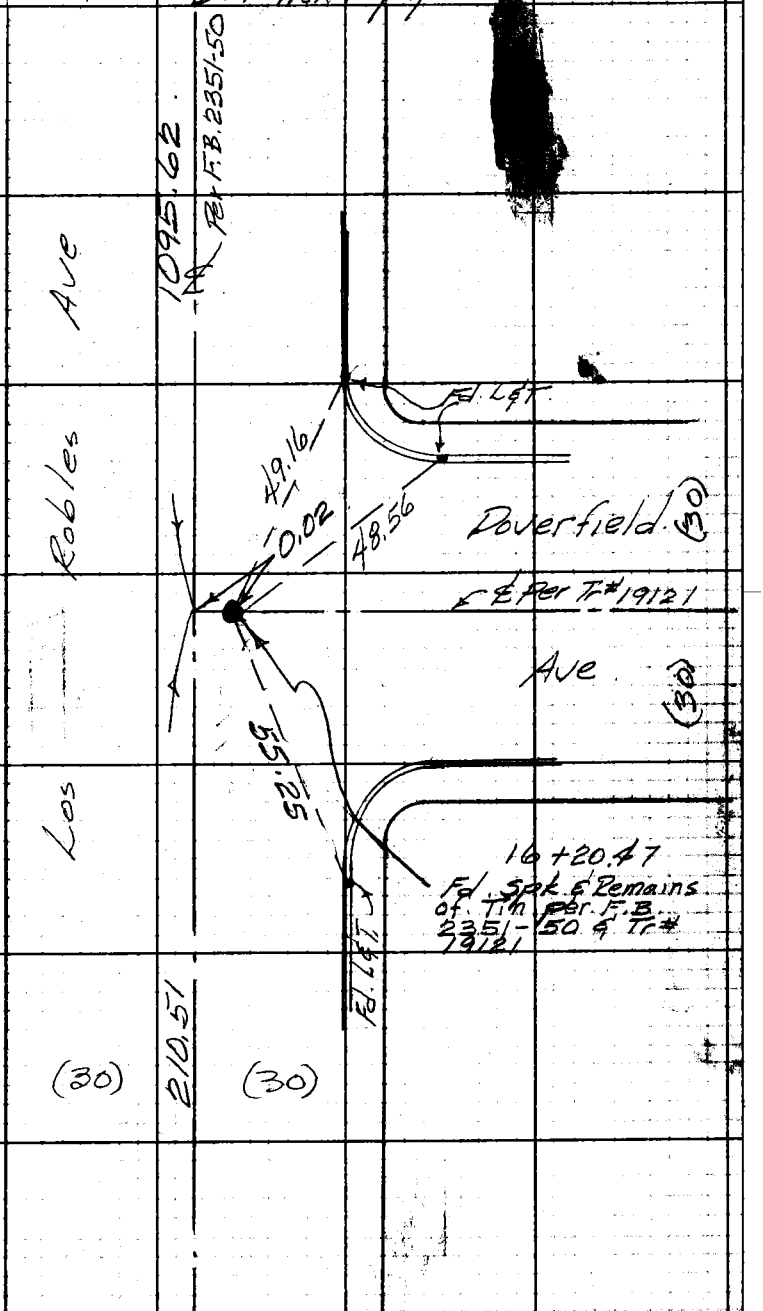
Notes Ck'd by Miller
Map No. CSB 2704
Office Work T. H. BURNS
Checked W. J. BRENNER
Date APRIL 1960

Survey of Los Robles Ave
JN 0075.26 Tape 074 Std 68 °F
Surveyed by Dougherty
Notes Dougherty Date 3-1-60
Indexed A. C. Johnson

F. B. 224[illegible]83

W.S. 37-D-3

Cont. on Bot next Pg



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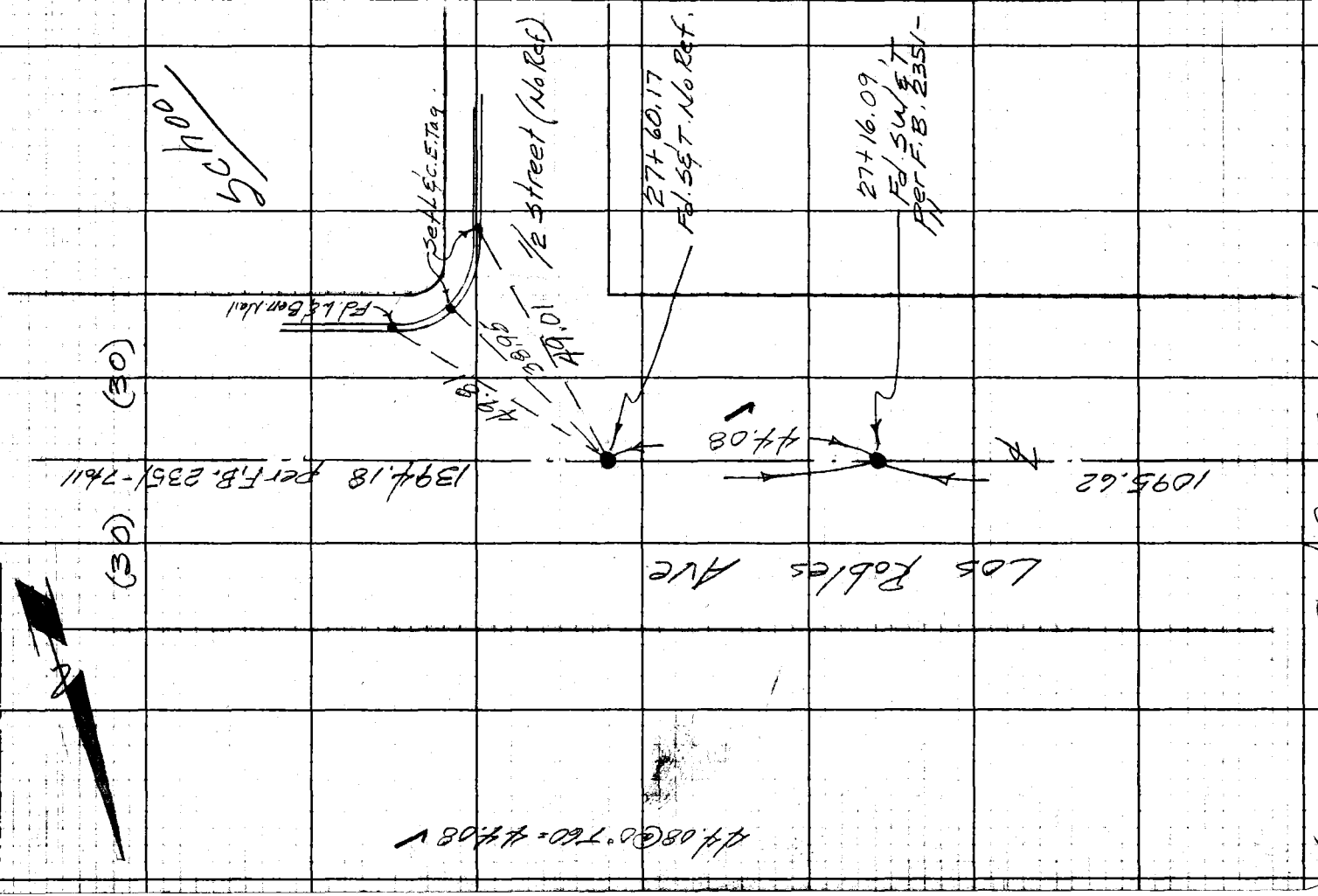
W.S. 32-D-3



Notes Ck'd by Miller	Survey of Los Robles Ave
Map No. CSB 2704	JN 0075.26 Tape 074 Std 68 °F
Office Work T. H. BURNS	Surveyed by Dougherty
Checked W. J. BRENNER	Notes Jack C. Johnson Date 3-1-60
Date APRIL 1960	Indexed

F. B. 2241 Pg. 285

W.S. 32-E-4

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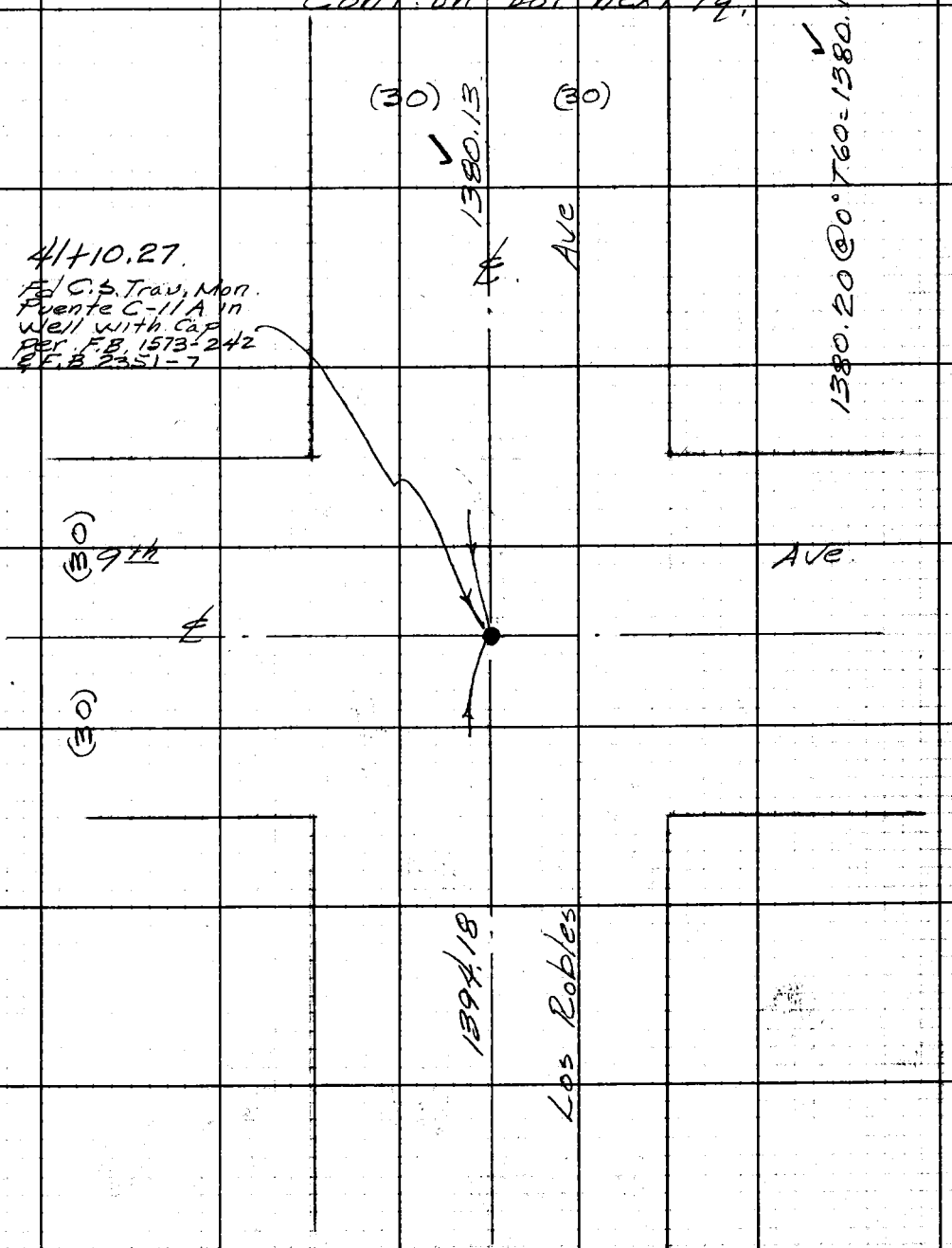

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F.B. 2241 Pg. 286.

W.S. 32-E-4

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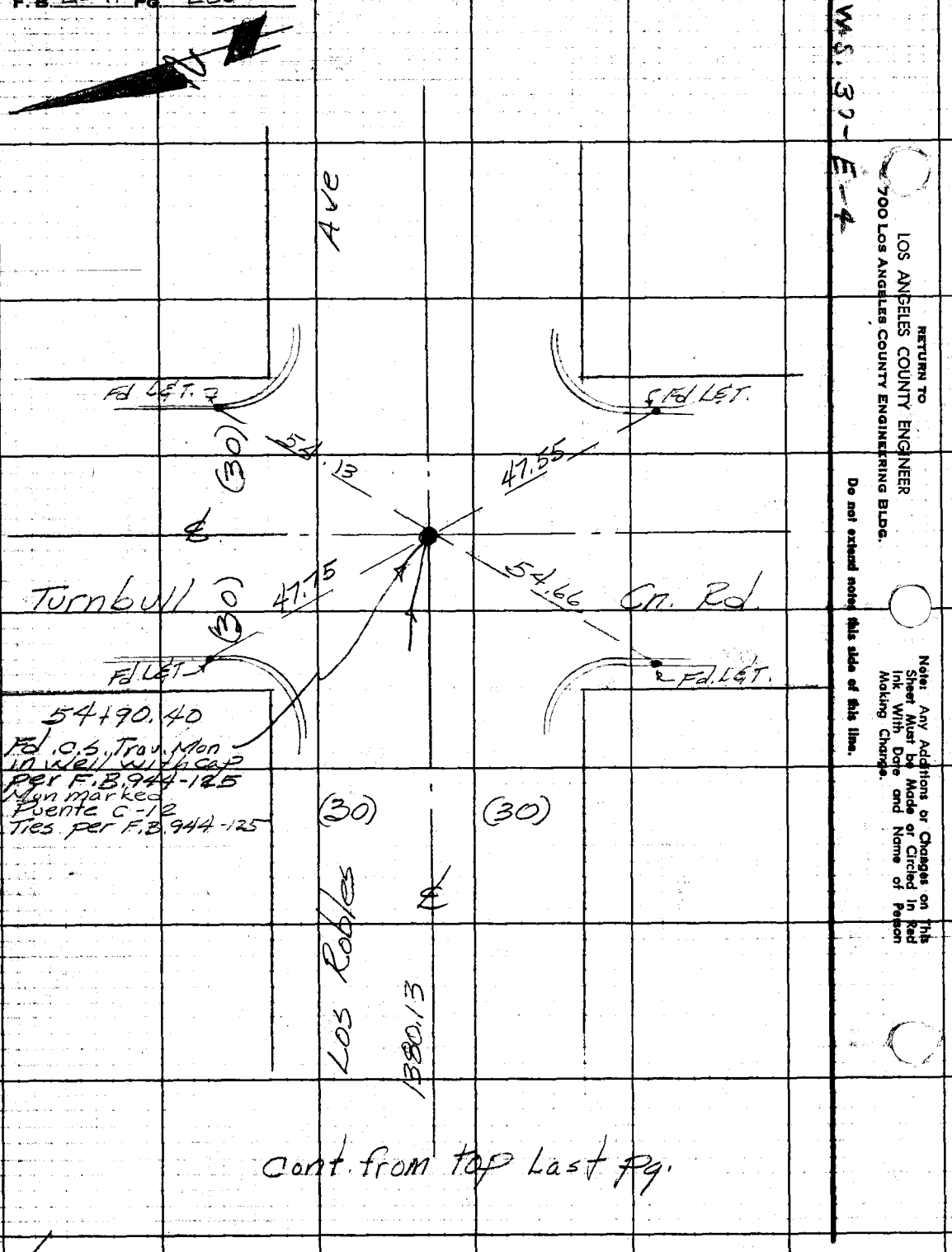

Notes Ck'd by	Survey of Los Robles Ave
Map No. B-2706	JN 0075.26 Tape Std °F
Office Work T. H. BURNS	Surveyed by Dougherty
Checked	Notes Vuck Date 3-1-60
Date	Indexed A. C. Johnson 3-7-60

F. B. 2241 PG. 287

J.N. 0075.26.

Los Robles Ave.

Location of improvements from the Westerly Line of Tr 4953 east to Turnbull Canyon Road.

3-1-60

Dougherty
Newman
Sandoval
Adams.

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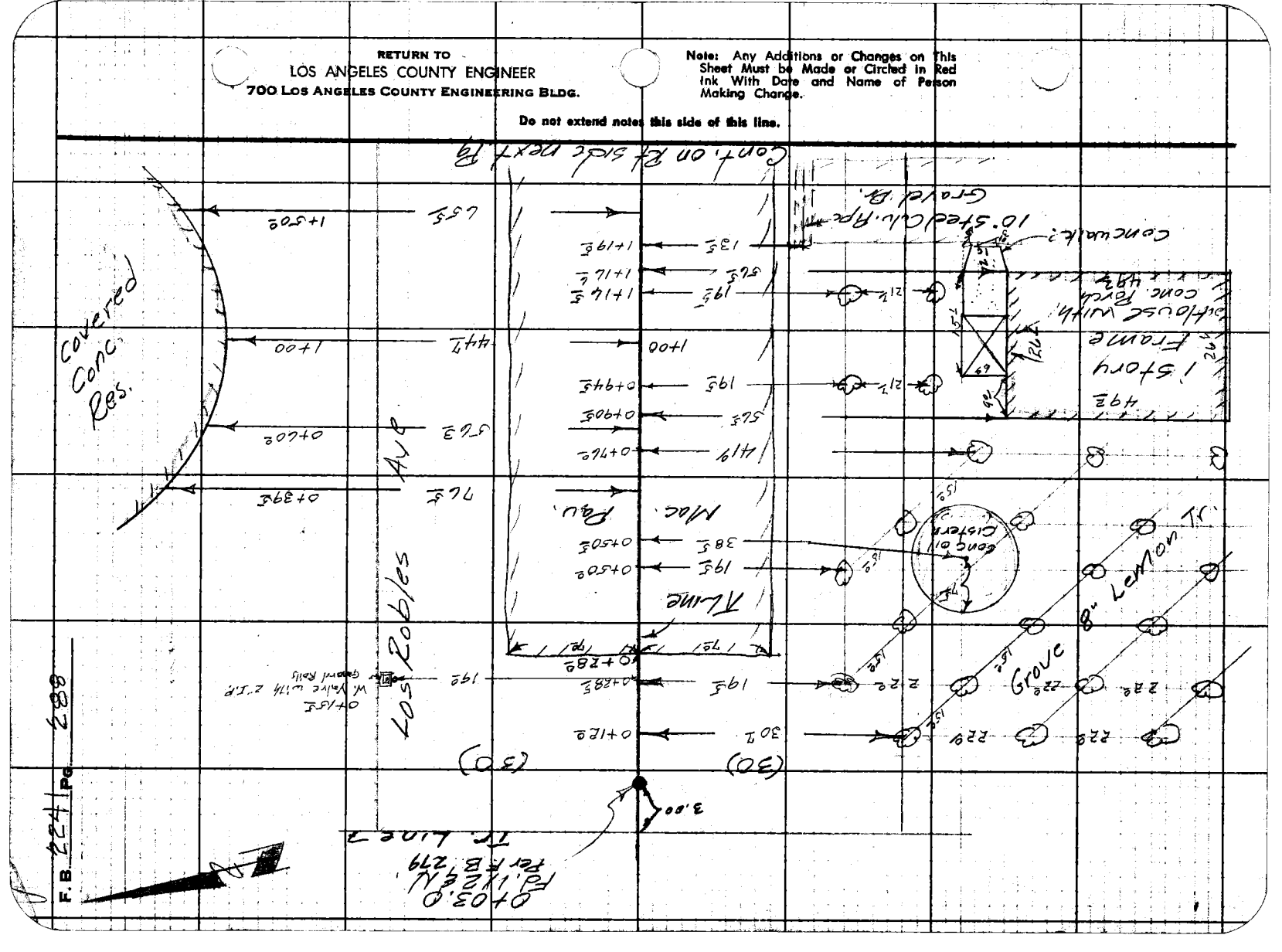
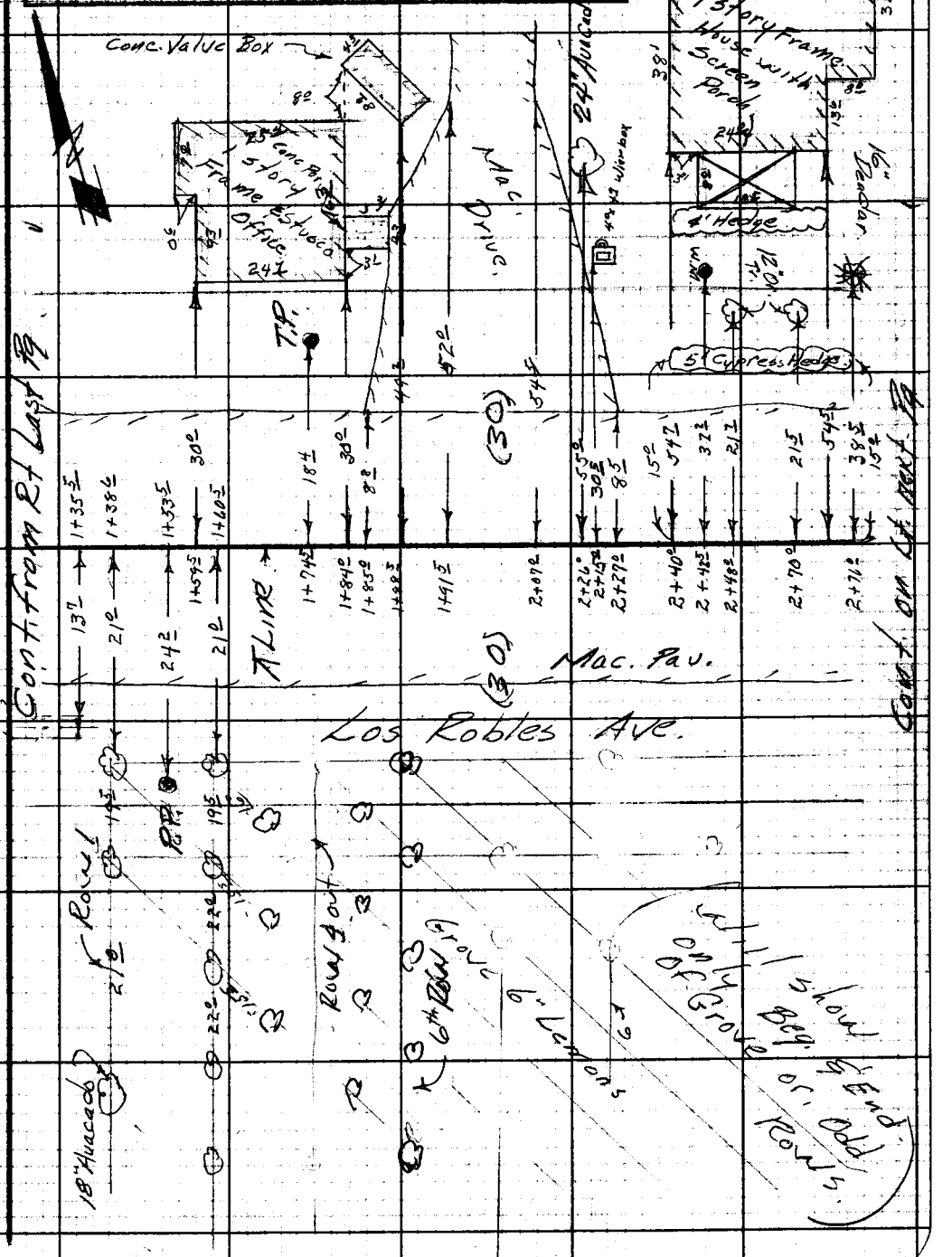
F.B. 2241 Pg 88



Notes Ck'd by	Survey of Los Robles Ave
Map No. B - 2704	JN 0075.26 Tape Std °F
Office Work T. H. BURNS	Surveyed by Dougherty
Checked	Notes Jack Date 3-1-60
Date	Indexed A. C. Johnson

F. B. 2241 Pg. 289



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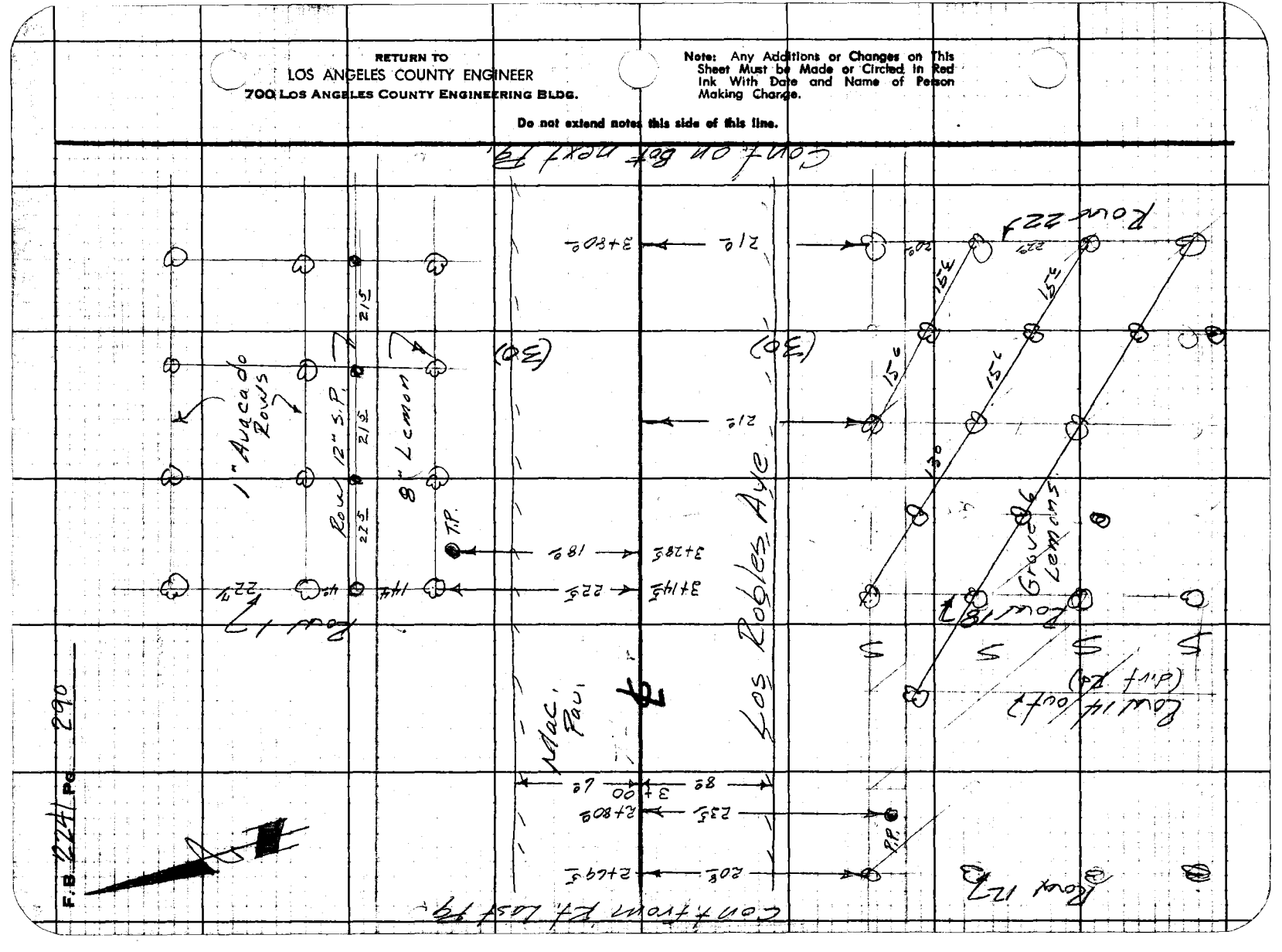

Notes Ck'd by	Survey of *Los Robles Ave.*	F. B. *2241* Pg. *291*
Map No. *B-2704*	JN *0075.26* Tape ___ Std ___ °F	
Office Work *T. H. BURNS*	Surveyed by *Dougherty*	
Checked	Notes *Jack* Date *3-1-60*	
Date	Indexed *A. C. Johnson*	

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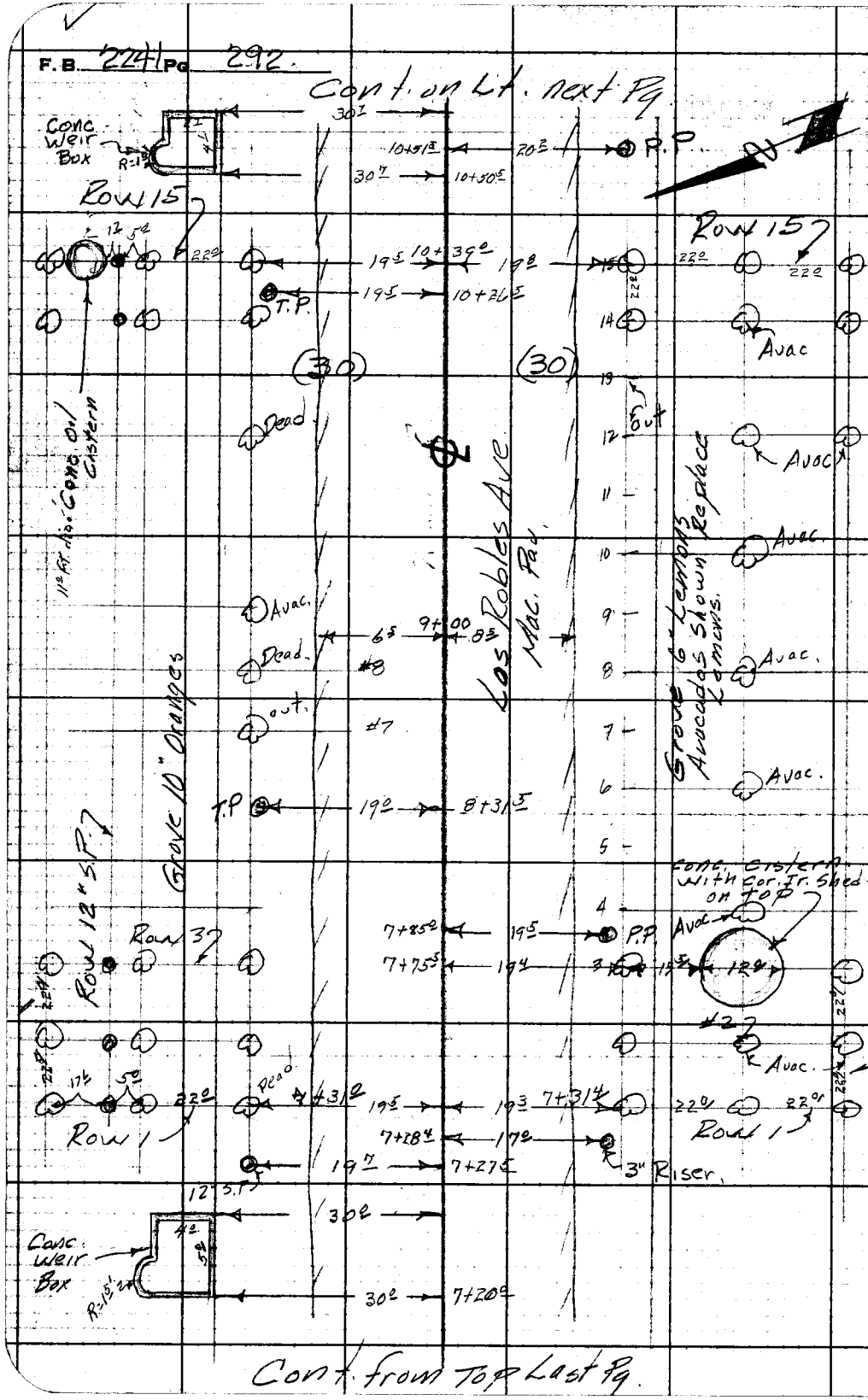
F.B. 2241 Pg 292.



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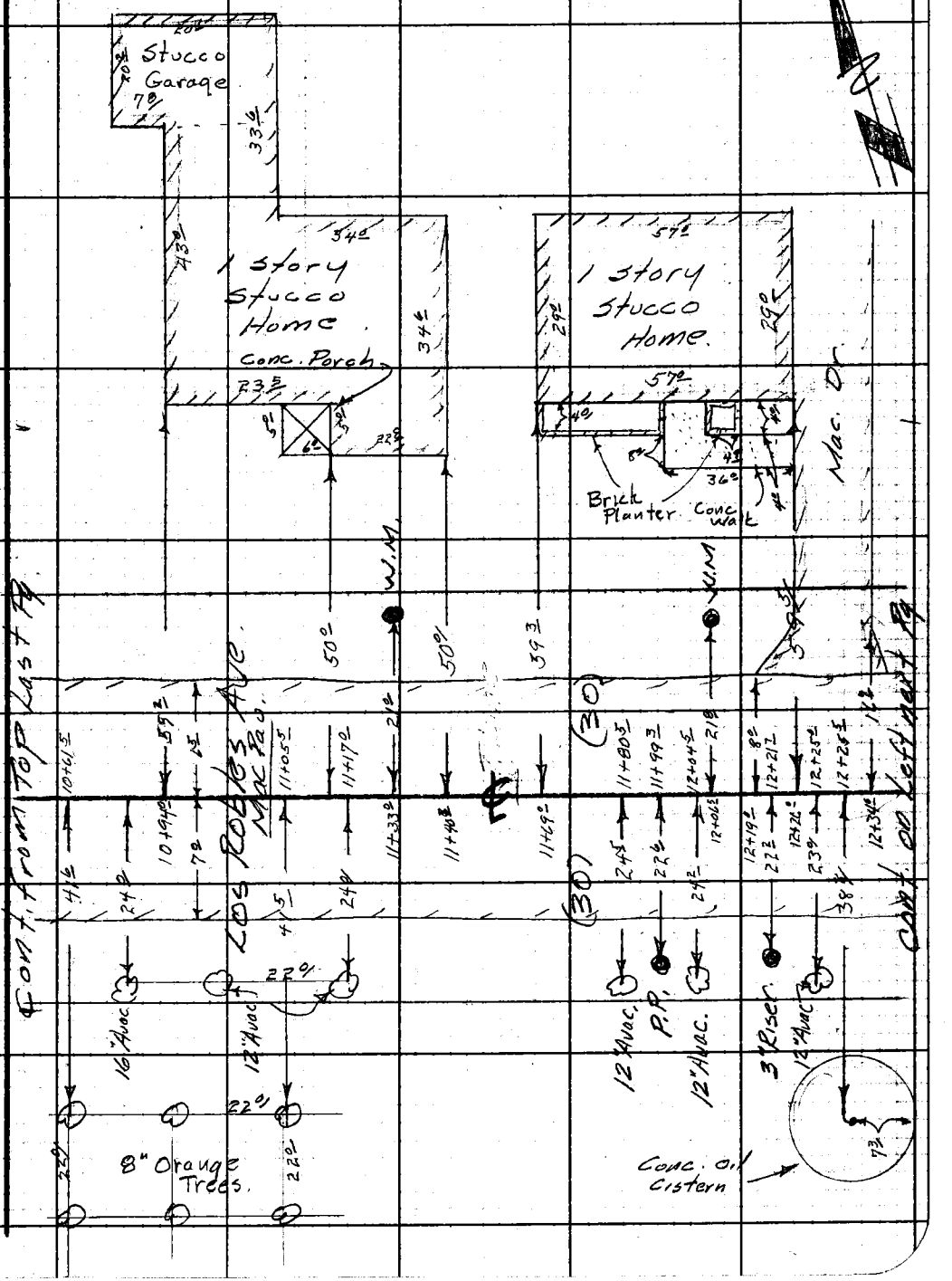
Notes Ck'd by	Survey of Los Robles Ave.
Map No. B-2704	JN 0075,26 Tape Std °F
Office Work T. H. BURNS	Surveyed by Dougherty
Checked	Notes Jack Date 3-1-60
Date	Indexed A. C. Johnson

F. B. 2241 PG. 293



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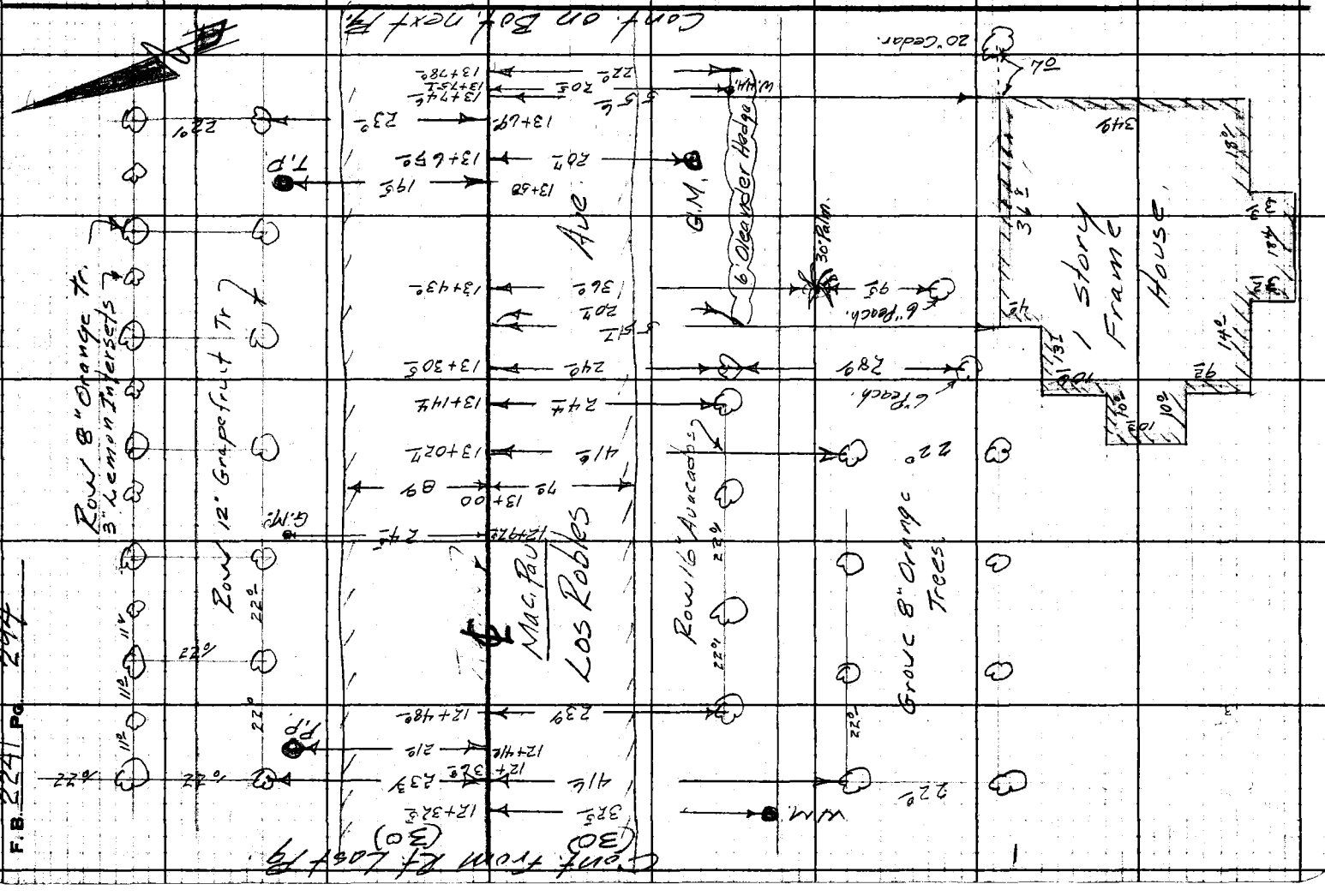
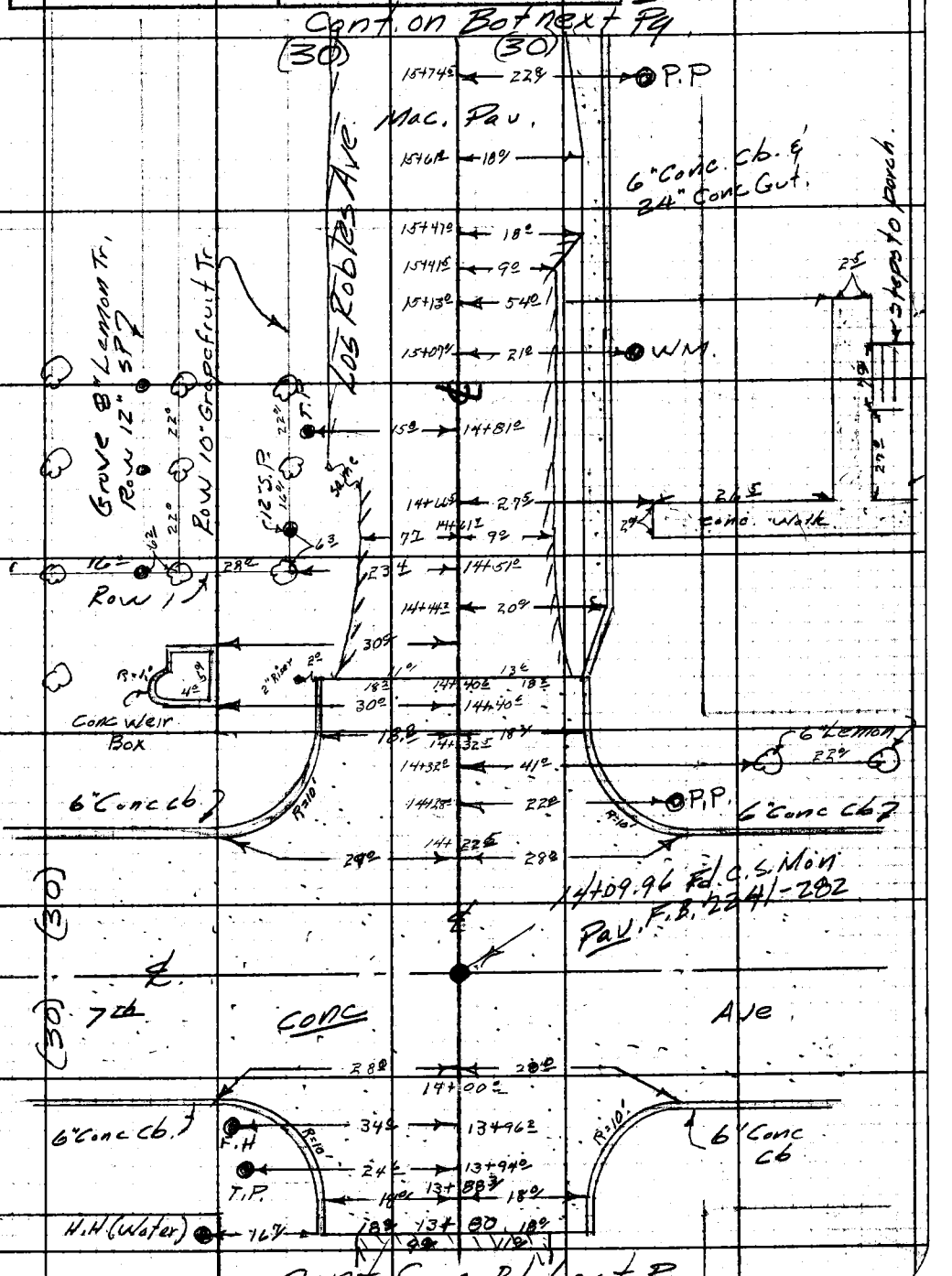


Notes Ck'd by	Survey of Los Robles Ave	F. B. 2241 Pg. 295
Map No. B-2704	JN 0075.26 Tape Std °F	
Office Work T. H. BURNS	Surveyed by Dougherty	
Checked	Notes Jack Date 3-2-60	
Date	Indexed A. C. Johnson	



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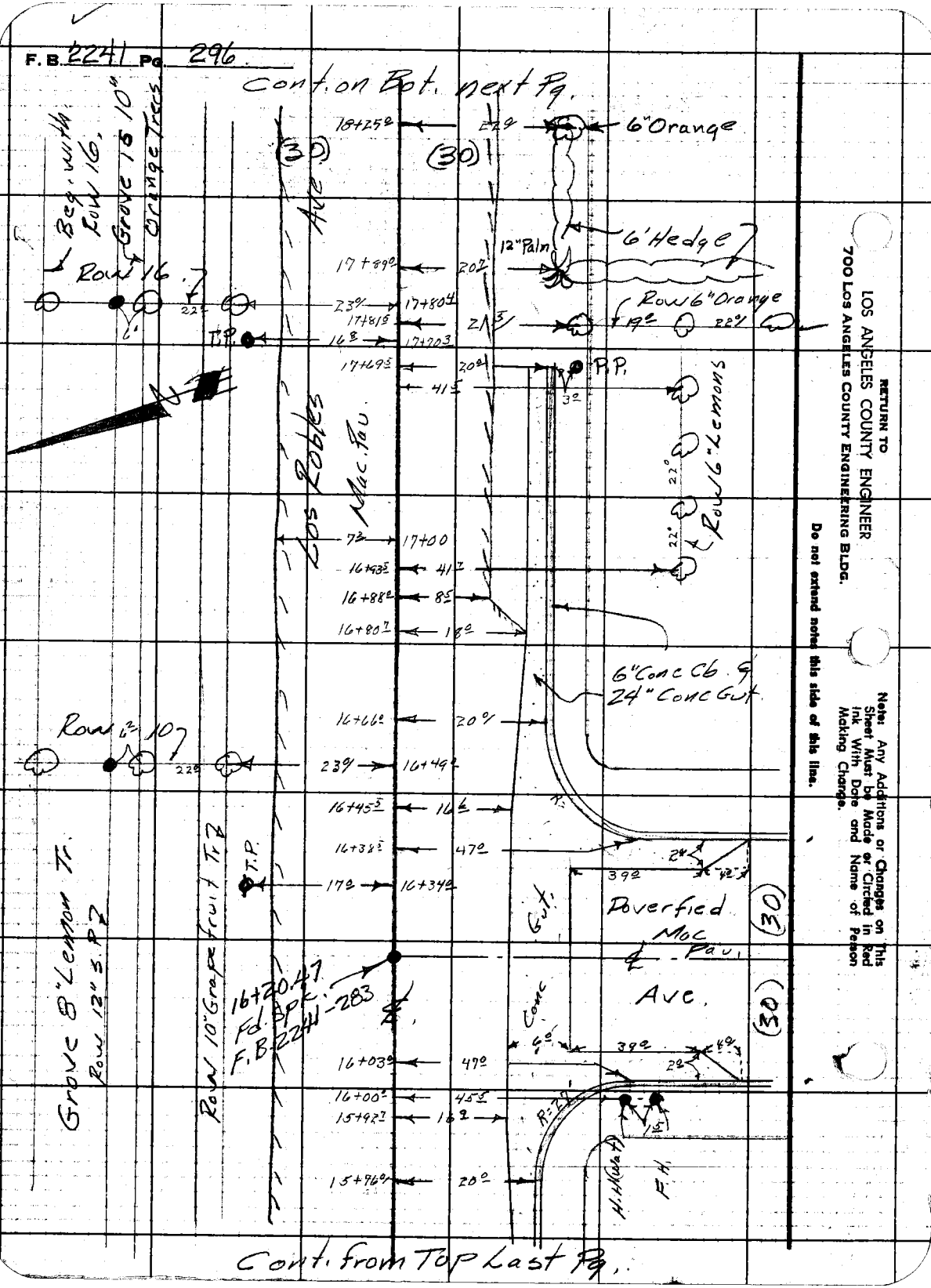
76F3098 CE #247—3-57

F.B. 2241 Pg. 296



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8-86

Notes Ck'd by	Survey of Los Robles Ave
Map No. B-2704	JN 0075.26 Tape Std °F
Office Work T. H. BURNS	Surveyed by Dougherty
Checked	Notes Jack. Date 3-2-60
Date	Indexed A. C. Johnson

F. B. 2241 PG. 297

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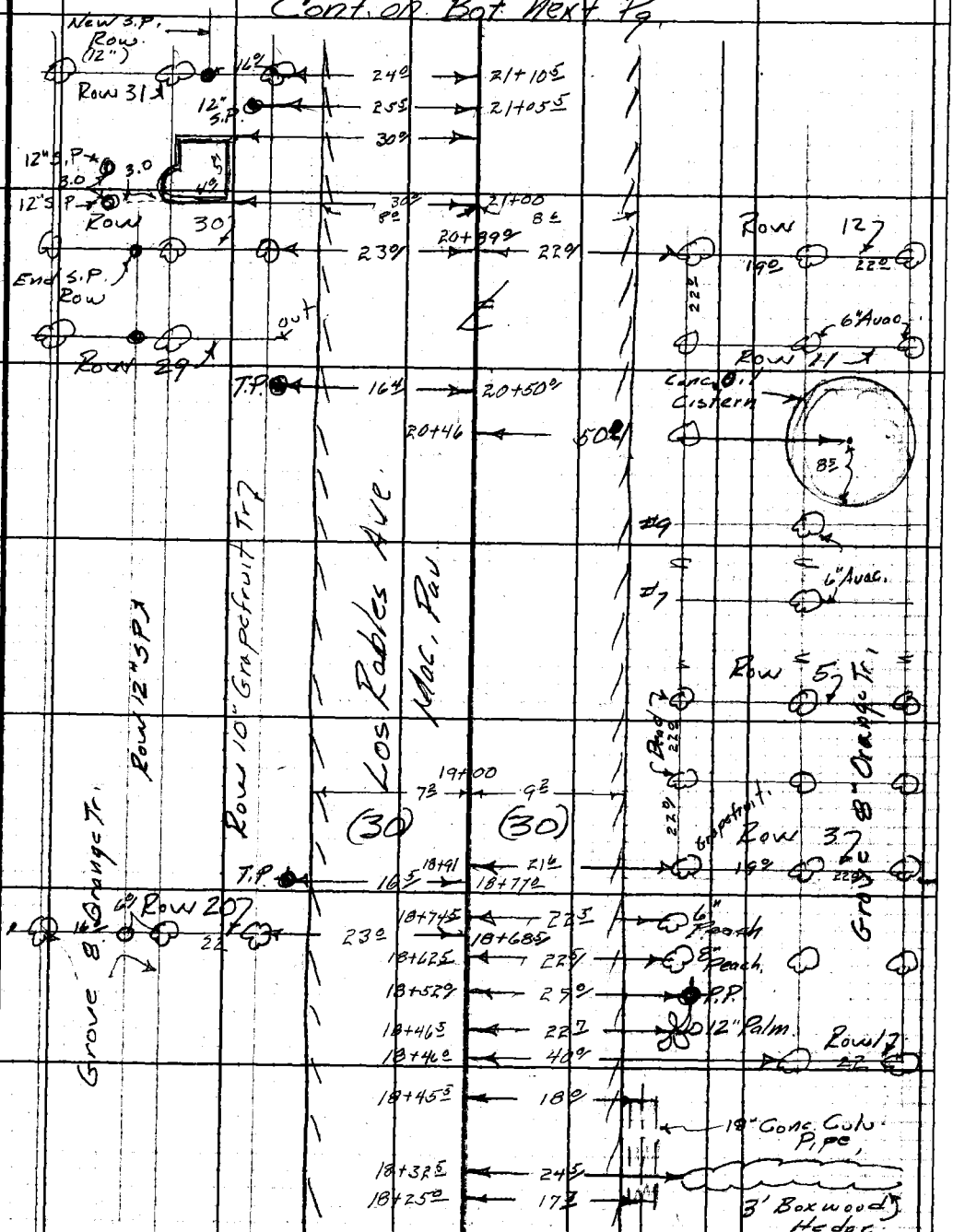

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76F3095 CE #247 3-57

F.B. 2241 Pg. 298

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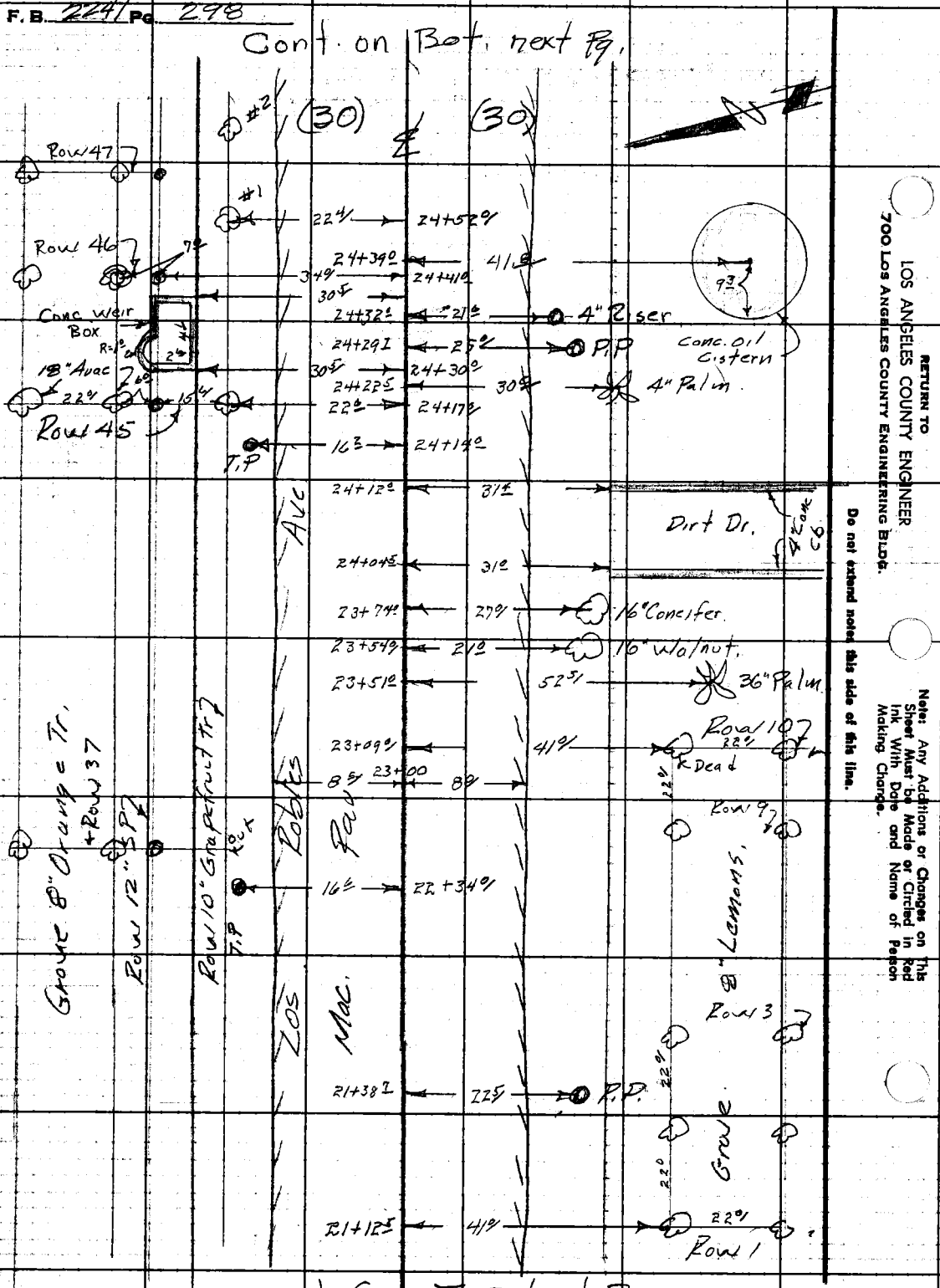

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Notes Ck'd by	Survey of Los Robles Ave.	F. B. 2241 Pg. 299
Map No. B-2704	JN 0075.26 Tape Std °F	
Office Work T. H. BURNS	Surveyed by Dougherty	
Checked	Notes Jack Date 3-2-60	
Date	Indexed A. C. Johnson	

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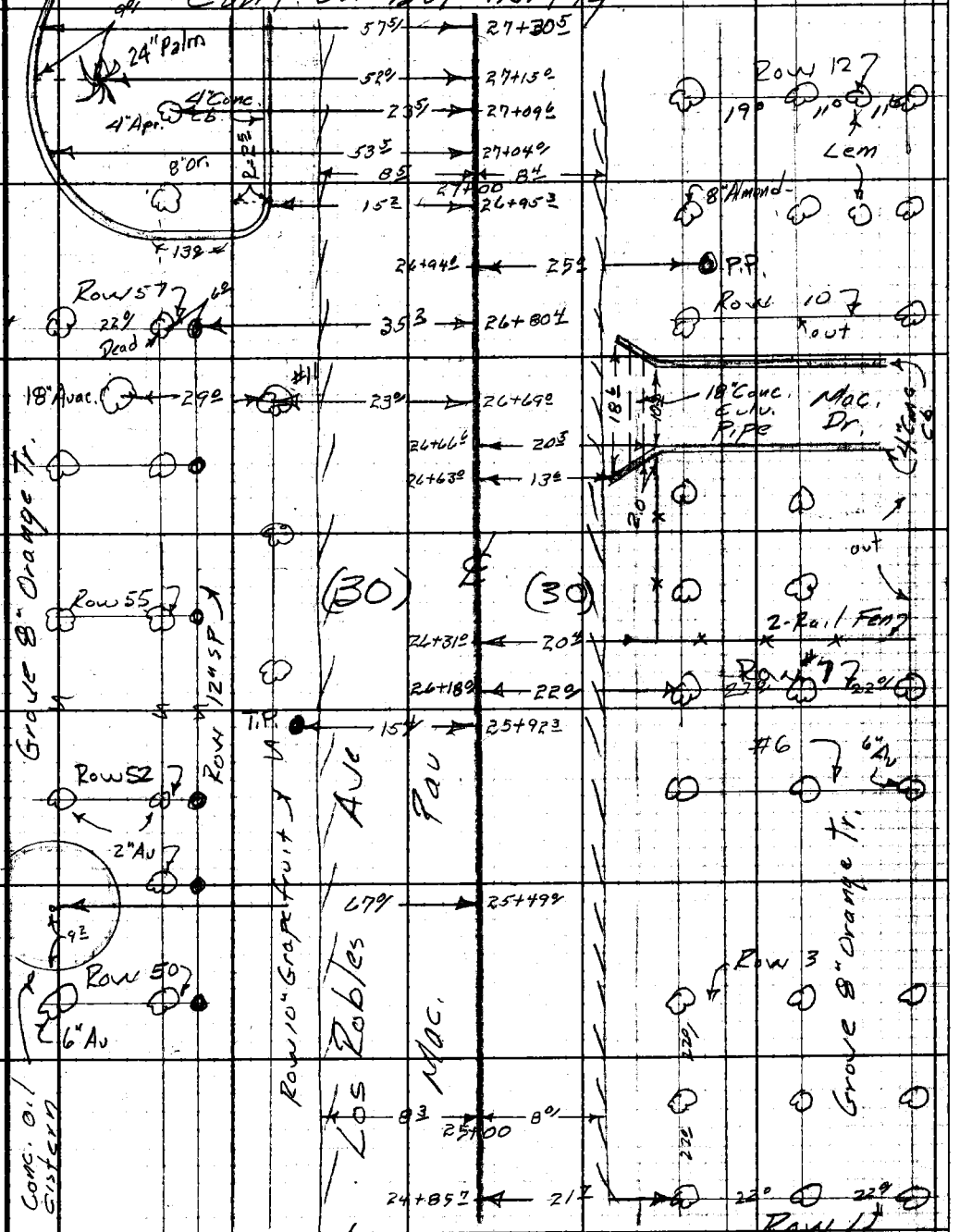

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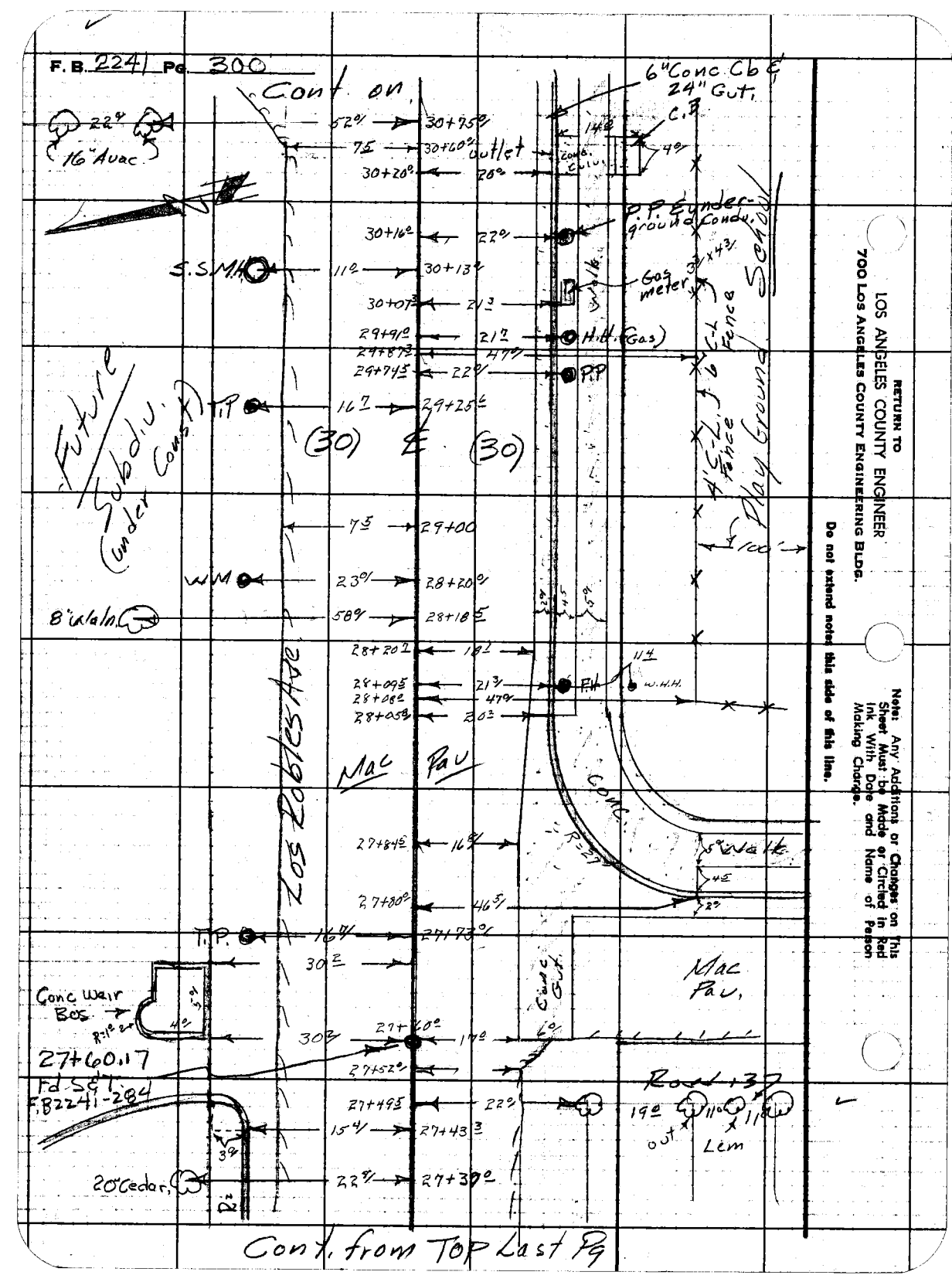
76F309S CE #247—3-57

F.B. 2241 Pg. 300



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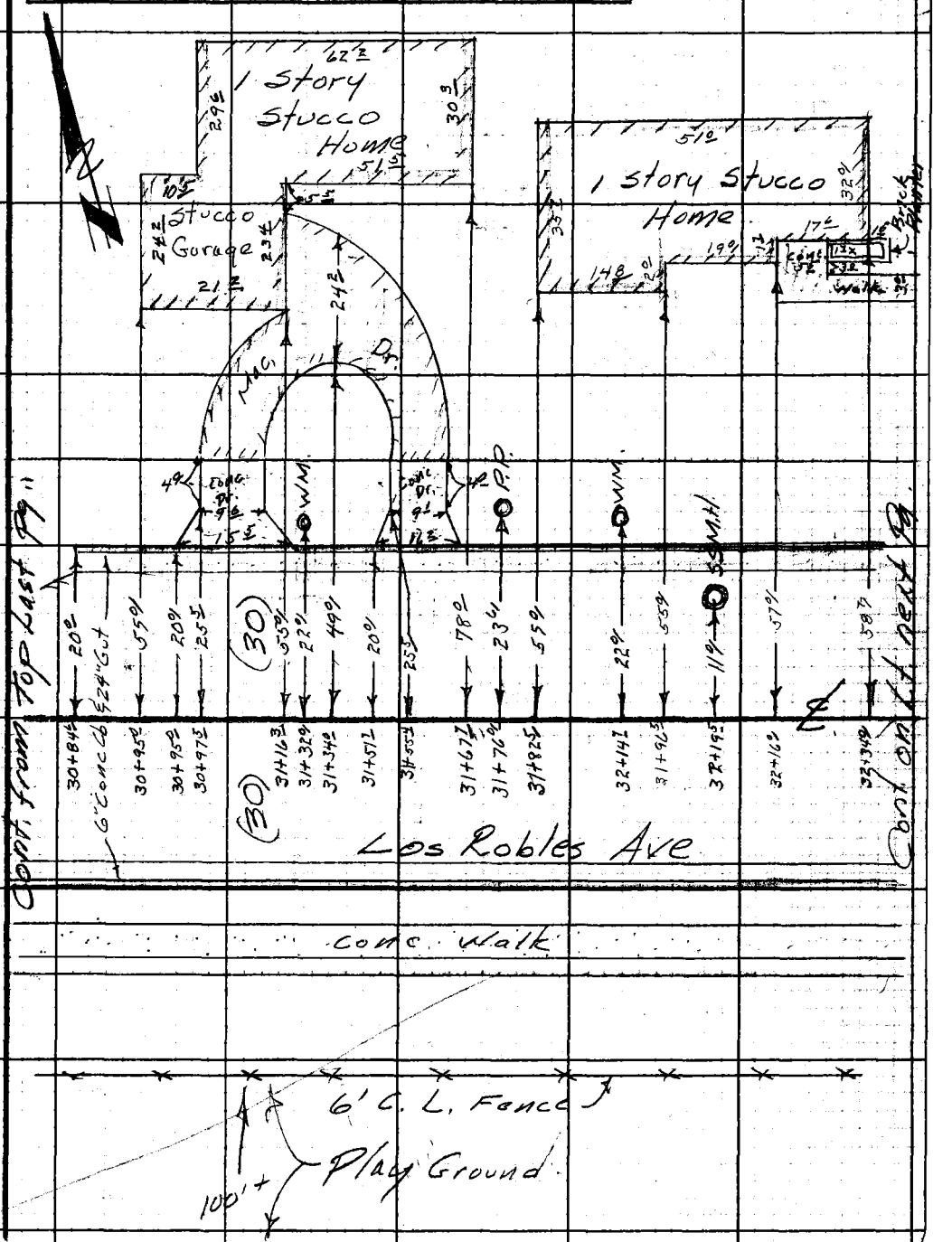
Notes Ck'd by	Survey of Los Robles Ave	F. B. 2241 Pg. 301
Map No. B-2704	JN 0075.26 Tape Std. °F	
Office Work T. H. BURNS	Surveyed by Dougherty	
Checked	Notes Jack Date 3-2-60	
Date	Indexed A. C. Johnson	



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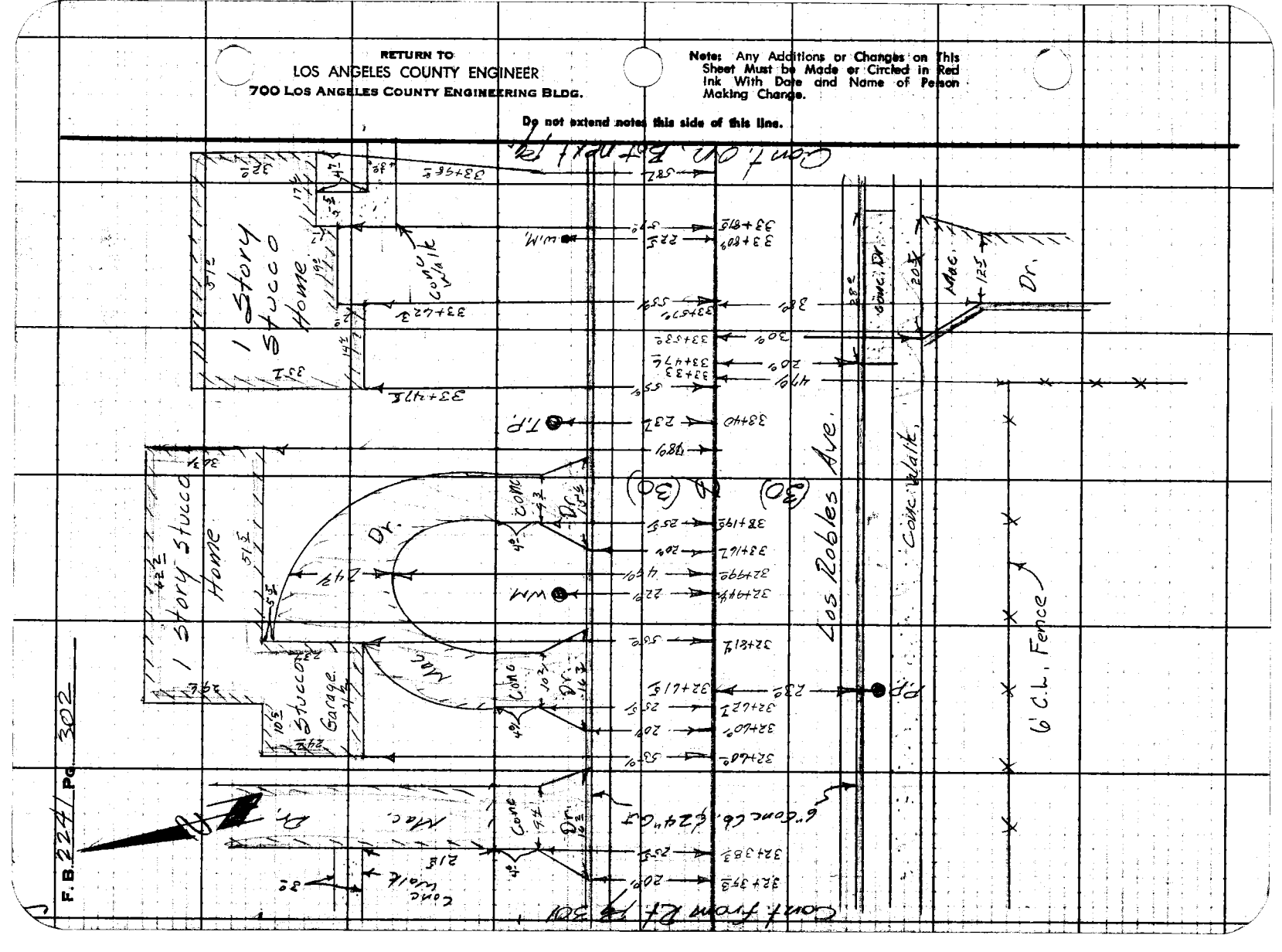
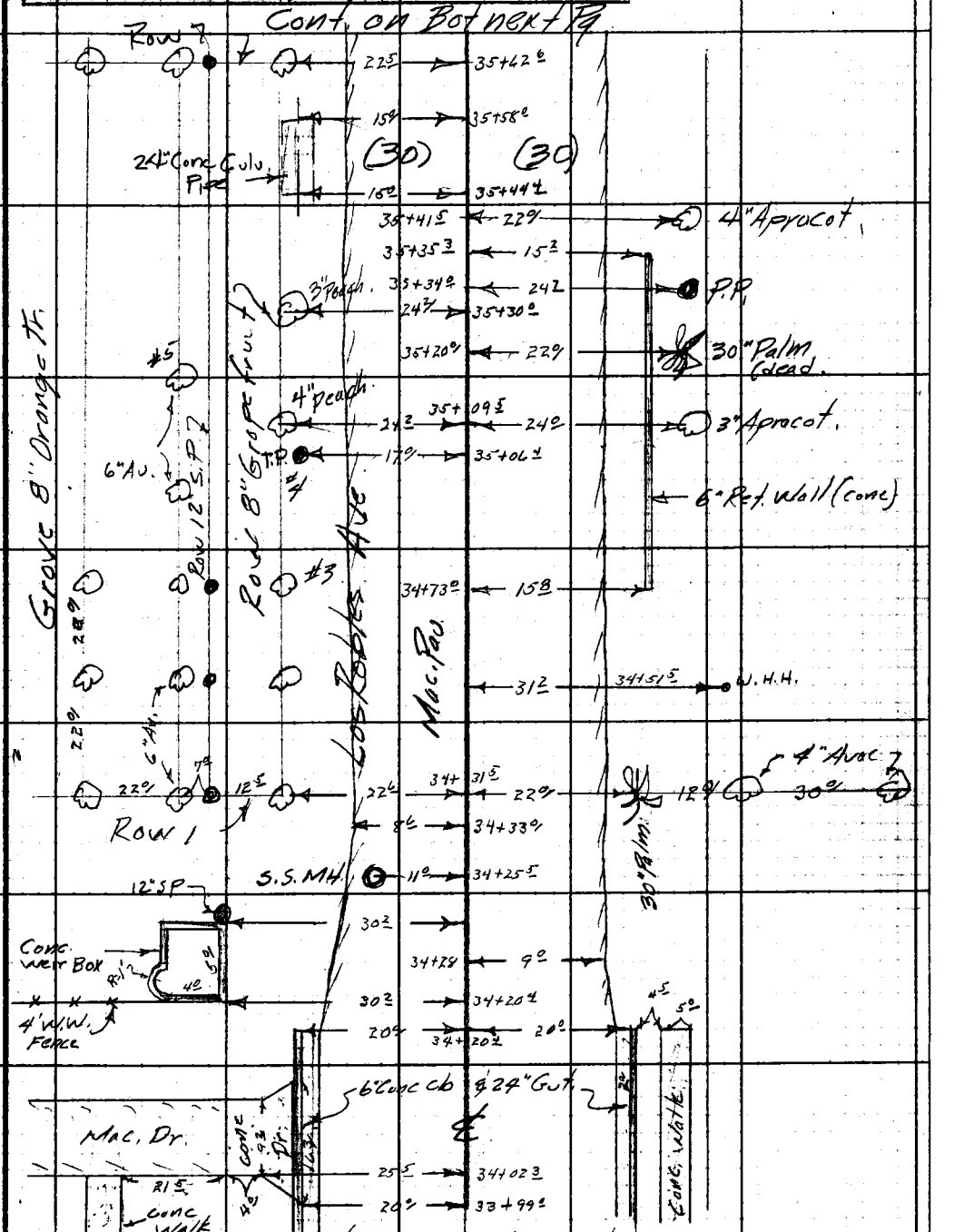


F.B. 224 Pg. 302

Notes Ck'd by	Survey of Los Robles Ave	F. B. 2241 Pg. 303
Map No. B-2704	JN 0075.26 Tape Std °F	
Office Work T. H. BURNS	Surveyed by Dougherty	
Checked	Notes Jack Date 3-3-60	
Date	Indexed	



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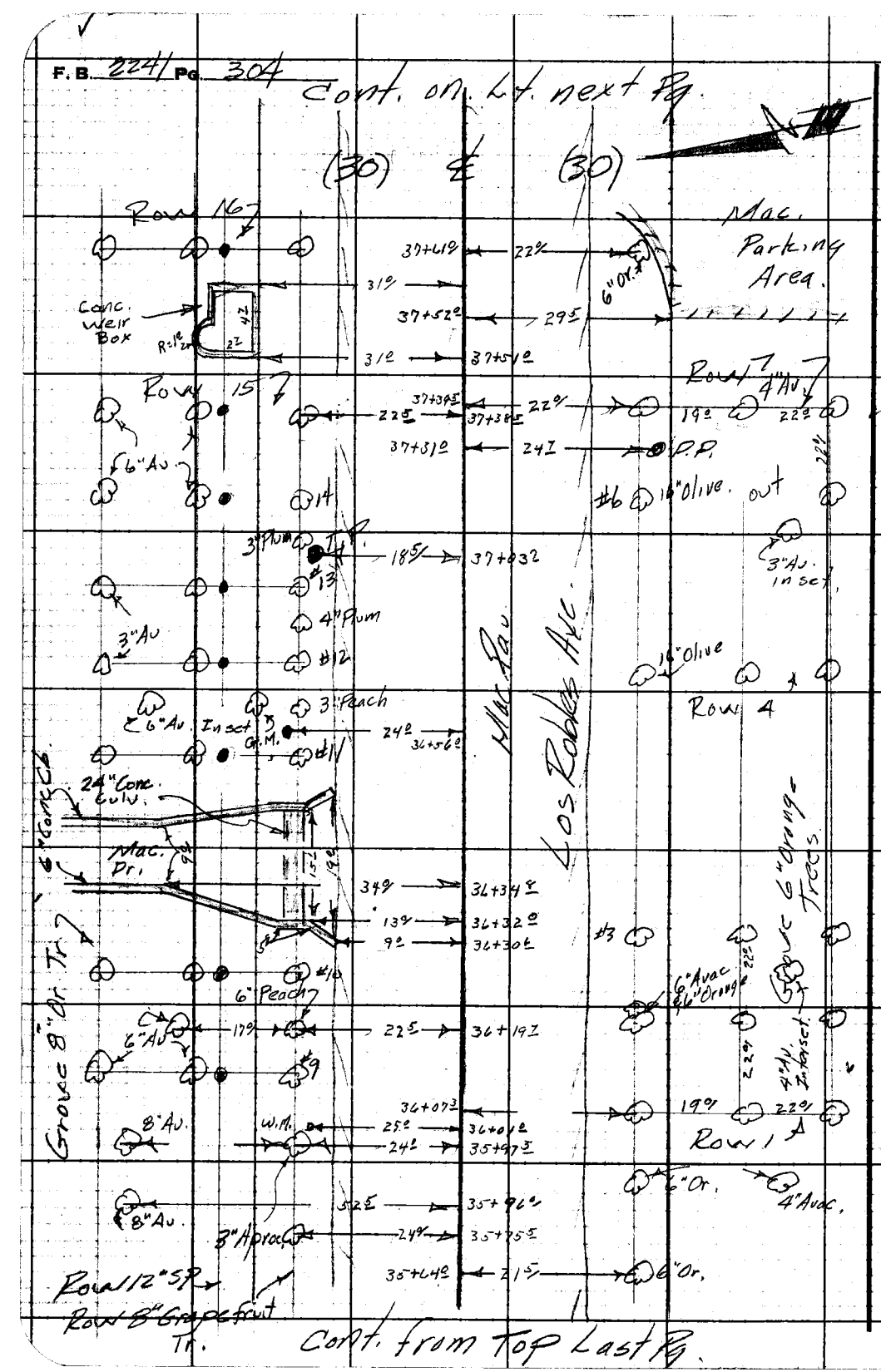
76F309S CE #247—3-57

F.B. 2241 Pg. 304

Cont. on Lt. next Pg.



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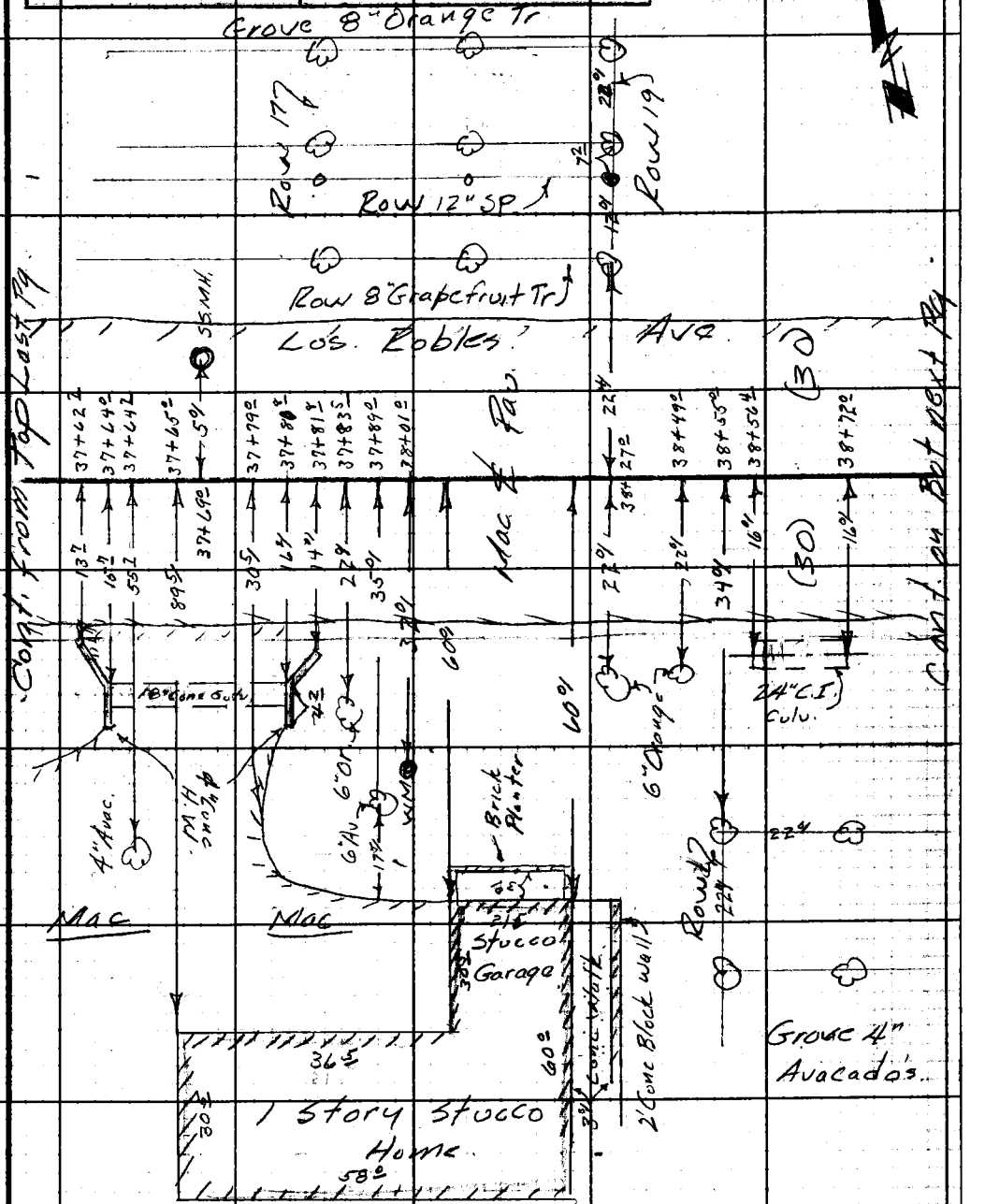
Notes Ck'd by	Survey of Los Robles Ave.
Map No. B-2704	JN 0075.26 Tape Std °F
Office Work T. H. BURNS	Surveyed by Dougherty
Checked	Notes Jack Date 3-3-60
Date	Indexed A. C. Johnson

F. B. 2241 PG. 305



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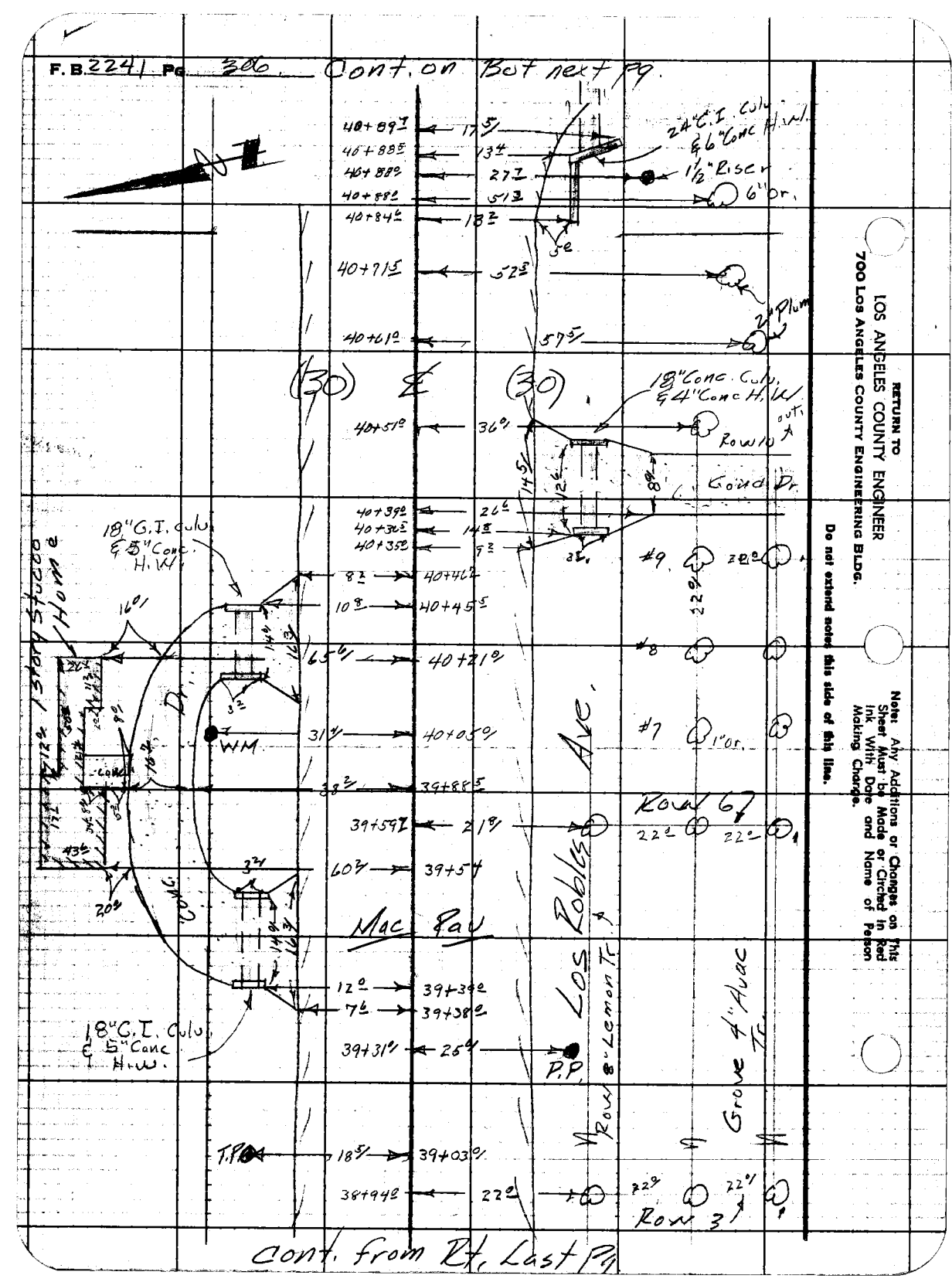
76F3099 CE #247—3-57

F.B. 2241 Pg. 306 Cont. on Bot next Pg.



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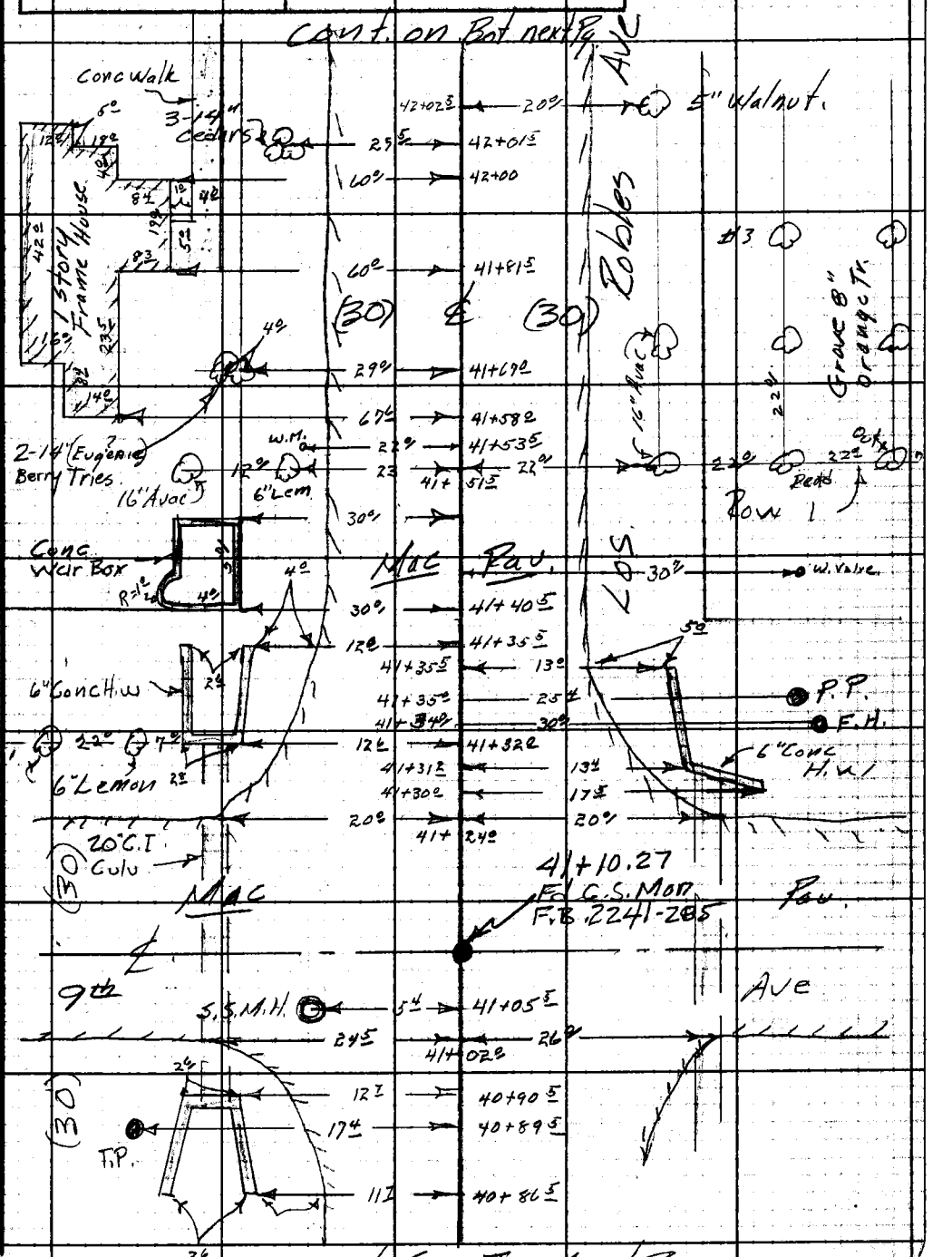
Notes Ck'd by	Survey of Los Robles Ave
Map No. B-2704	JN 0075.26 Tape Std °F
Office Work T. H. BURNS	Surveyed by Dougherty
Checked	Notes Jack Date 3-3-60
Date	Indexed C. Johnson

F. B. 2241 PG. 307

Cont. on Bot next Pg



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76F3095 CE #247—3-57

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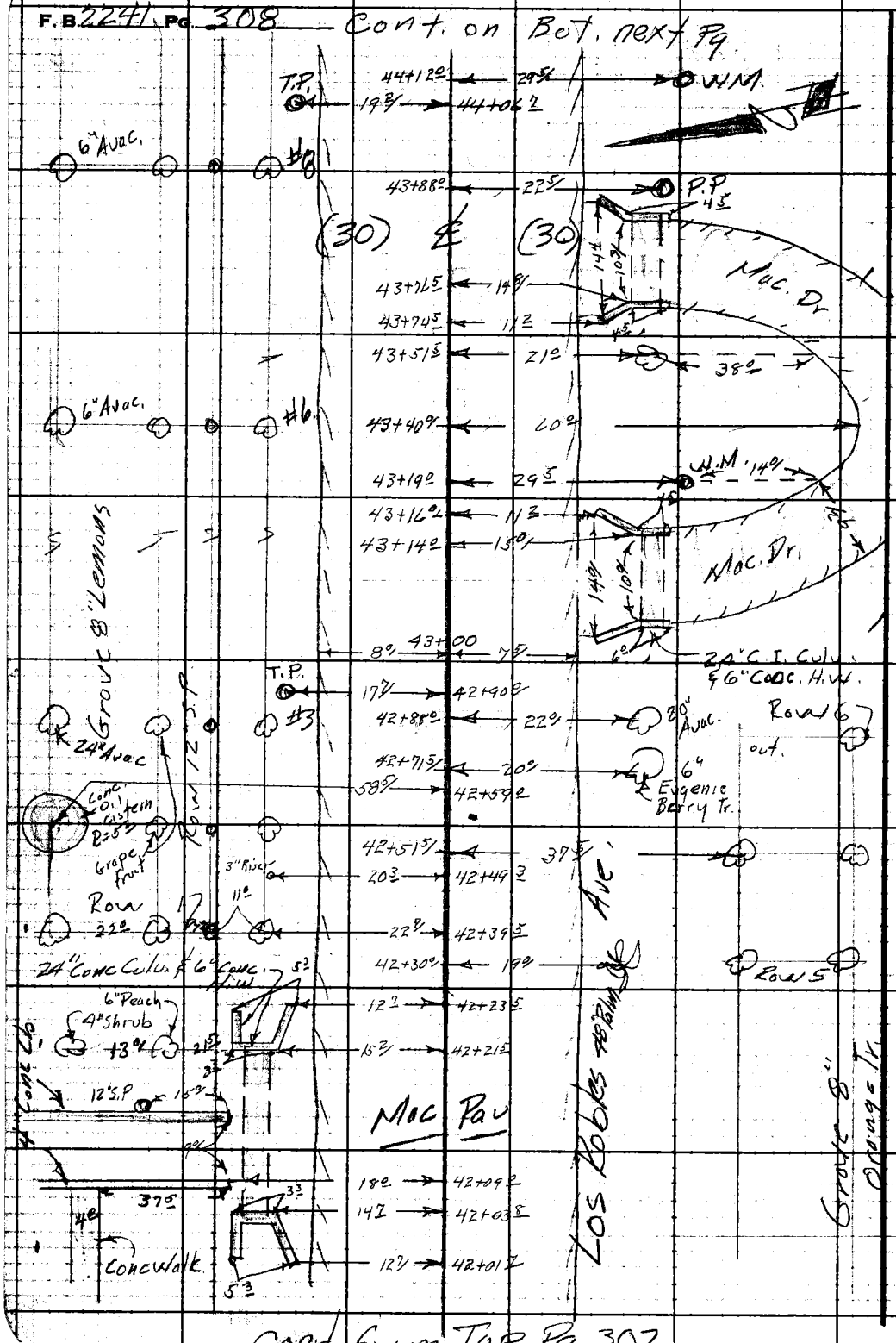

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Notes Ck'd by	Survey of Los Robles Ave	F. B. 2241 Pg. 309
Map No. B - 2704	JN 0075.26 Tape Std °F	
Office Work T. H. BURNS	Surveyed by Dougherty	
Checked	Notes Jack Date 3-3-60	
Date	Indexed A. C. Johnson	

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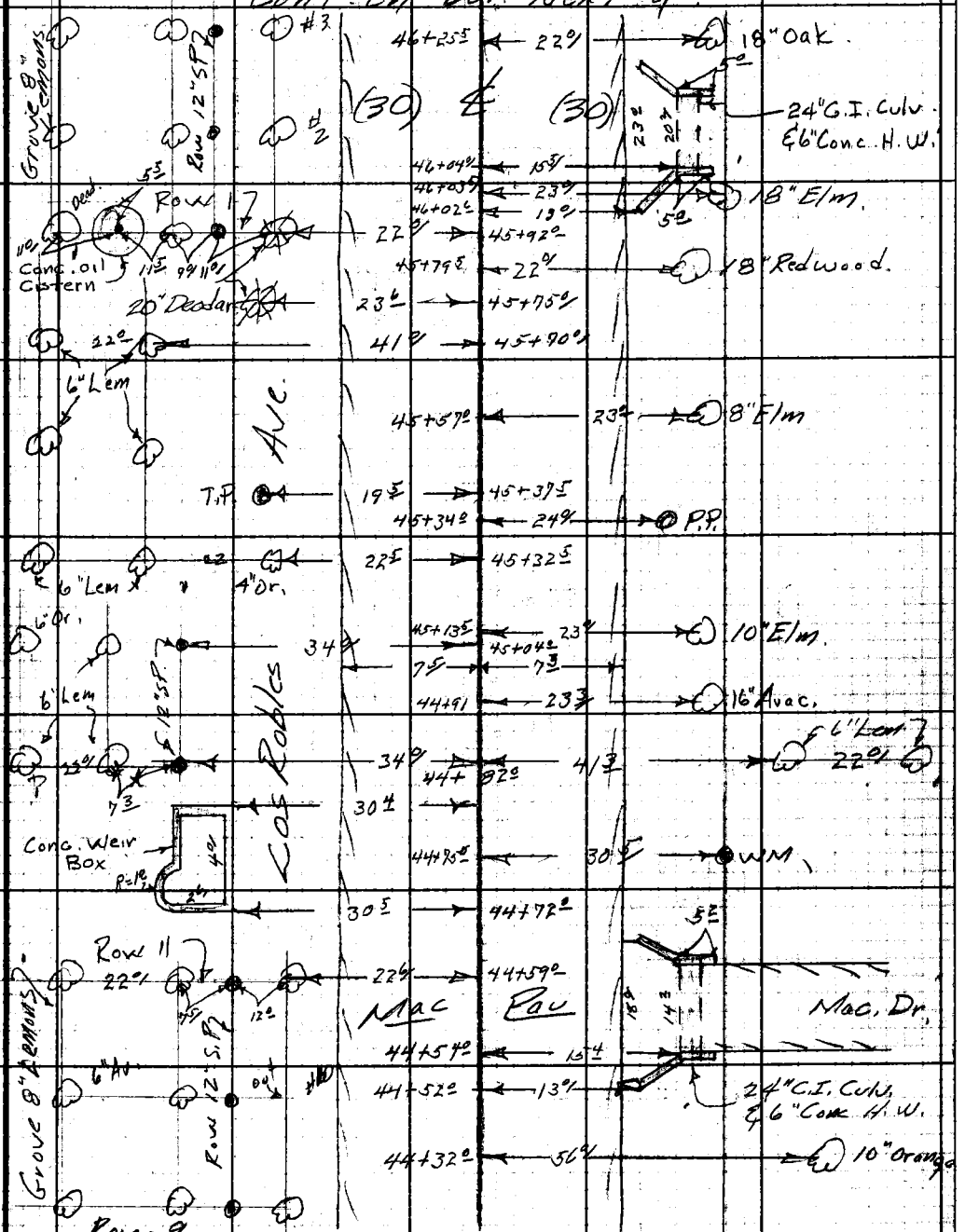

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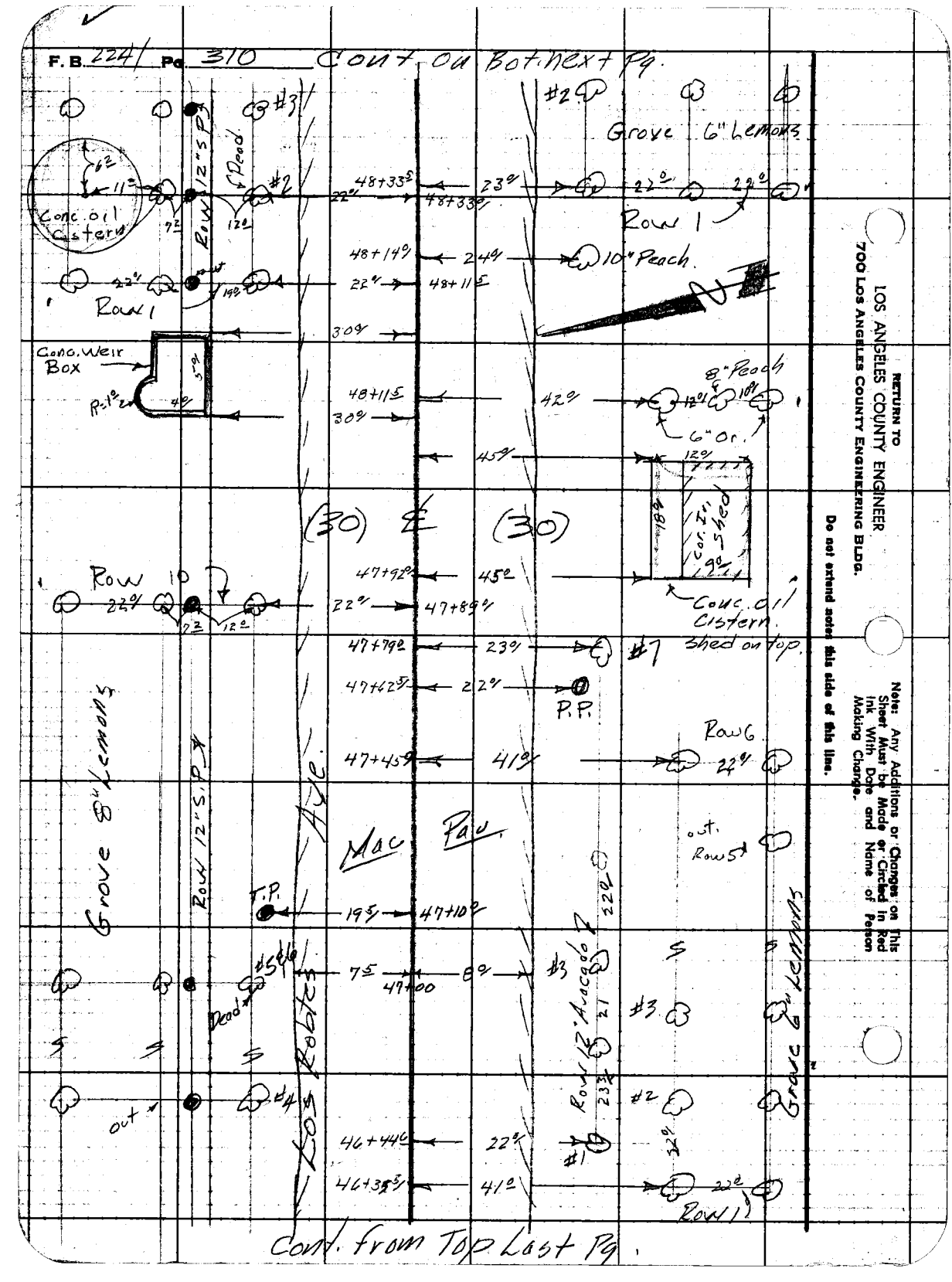
76F3098 CE #247 3-57

F. B. 224/ Pg. 310 Cont. on Bot. next Pg.



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Notes Ck'd by
Map No. B-2704
Office Work J. H. BURNS
Checked
Date

Survey of Los Robles Ave
JN 0075.26 Tape Std °F
Surveyed by Dougherty
Notes Jack Date 3-4-60
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F. B. 2241 Pg. 311

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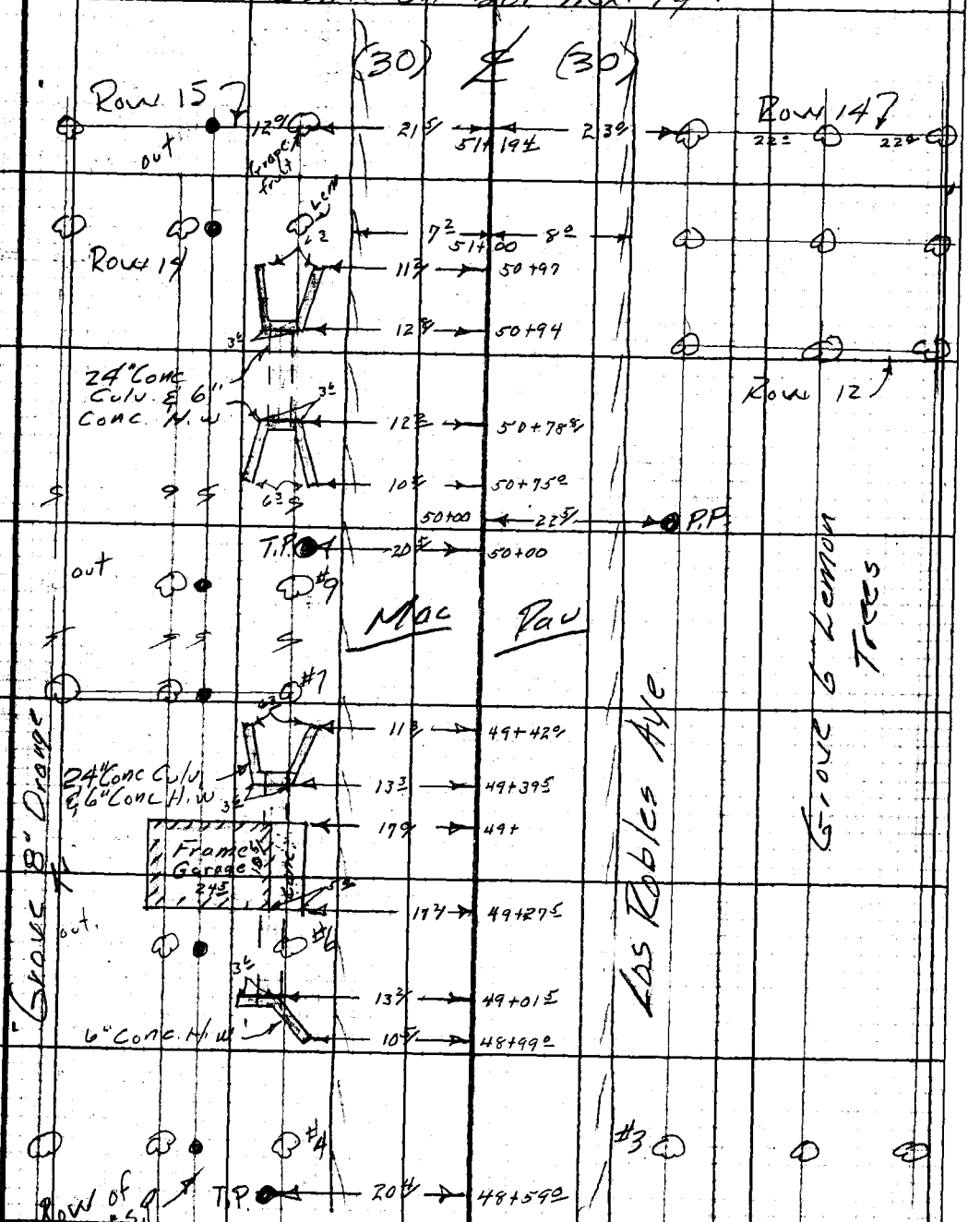

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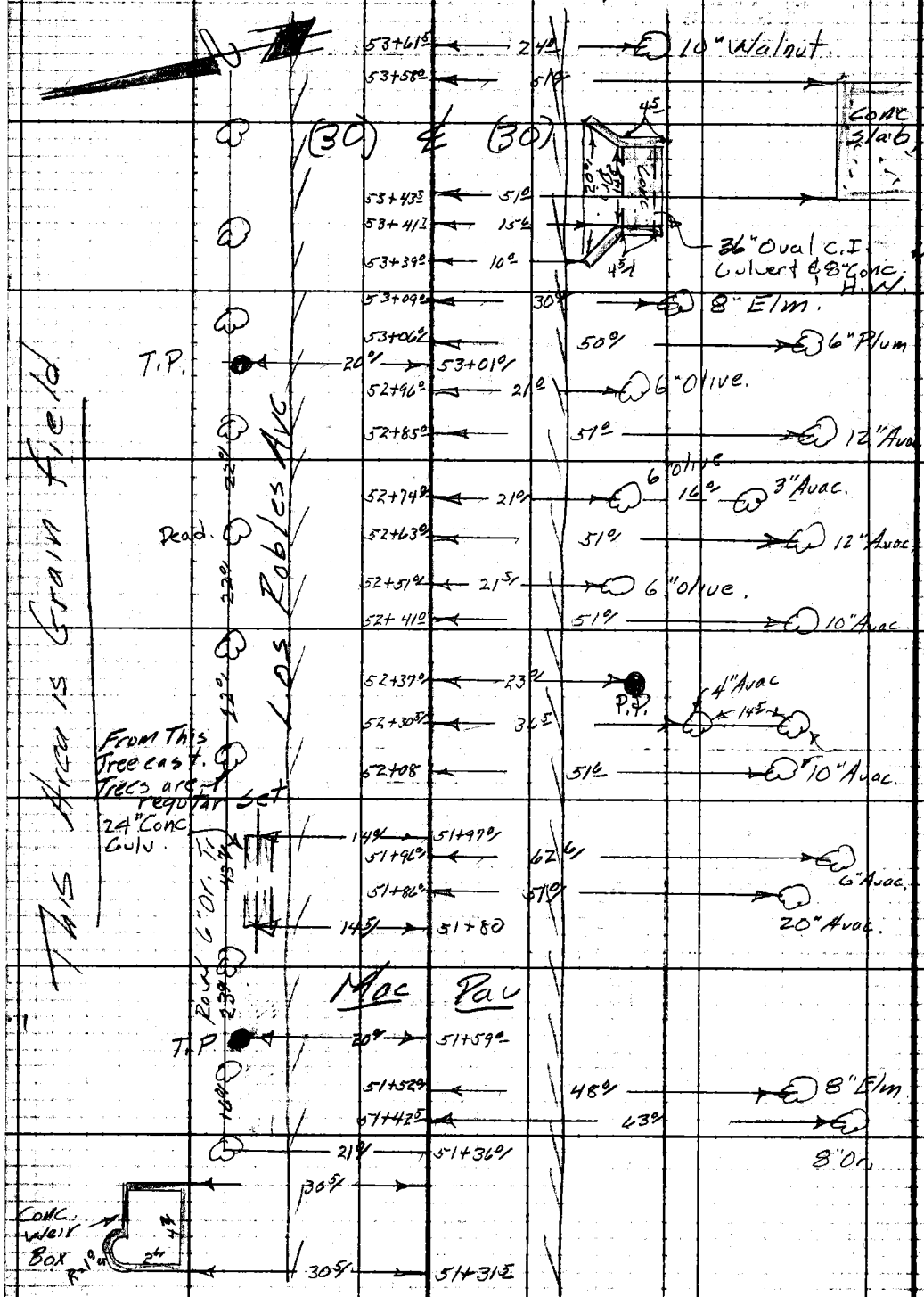
76F309S CE #247—3-57

F.B. 2241 Pg. 312 Cont. on Lt. Pg. 313



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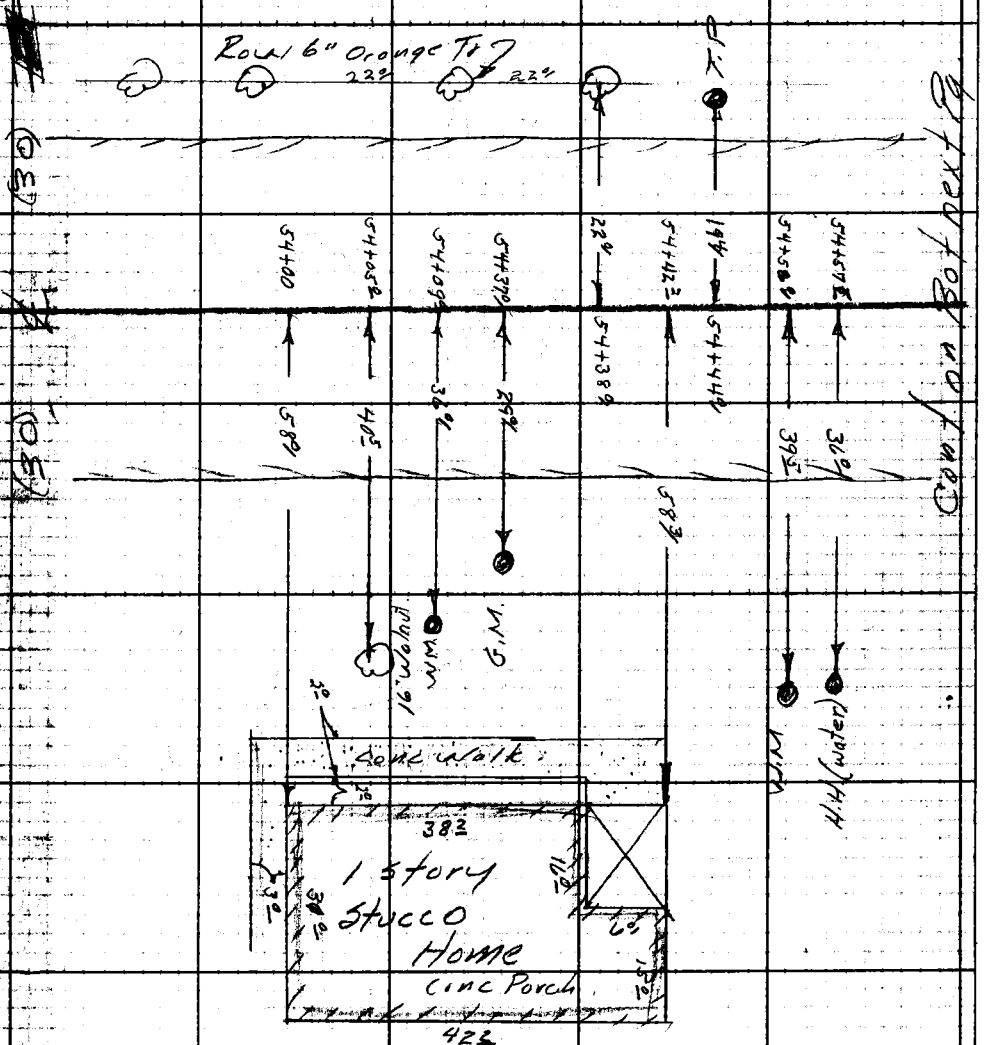
Notes Ck'd by	Survey of Los Robles Ave
Map No. B-2704	JN 0075.26 Tape Std. °F
Office Work T. H. BURNS	Surveyed by Dougherty
Checked	Notes Jack Date 3-4-60
Date	Indexed A. C. Johnson

F. B. 2241 Pg. 313

Grain Field



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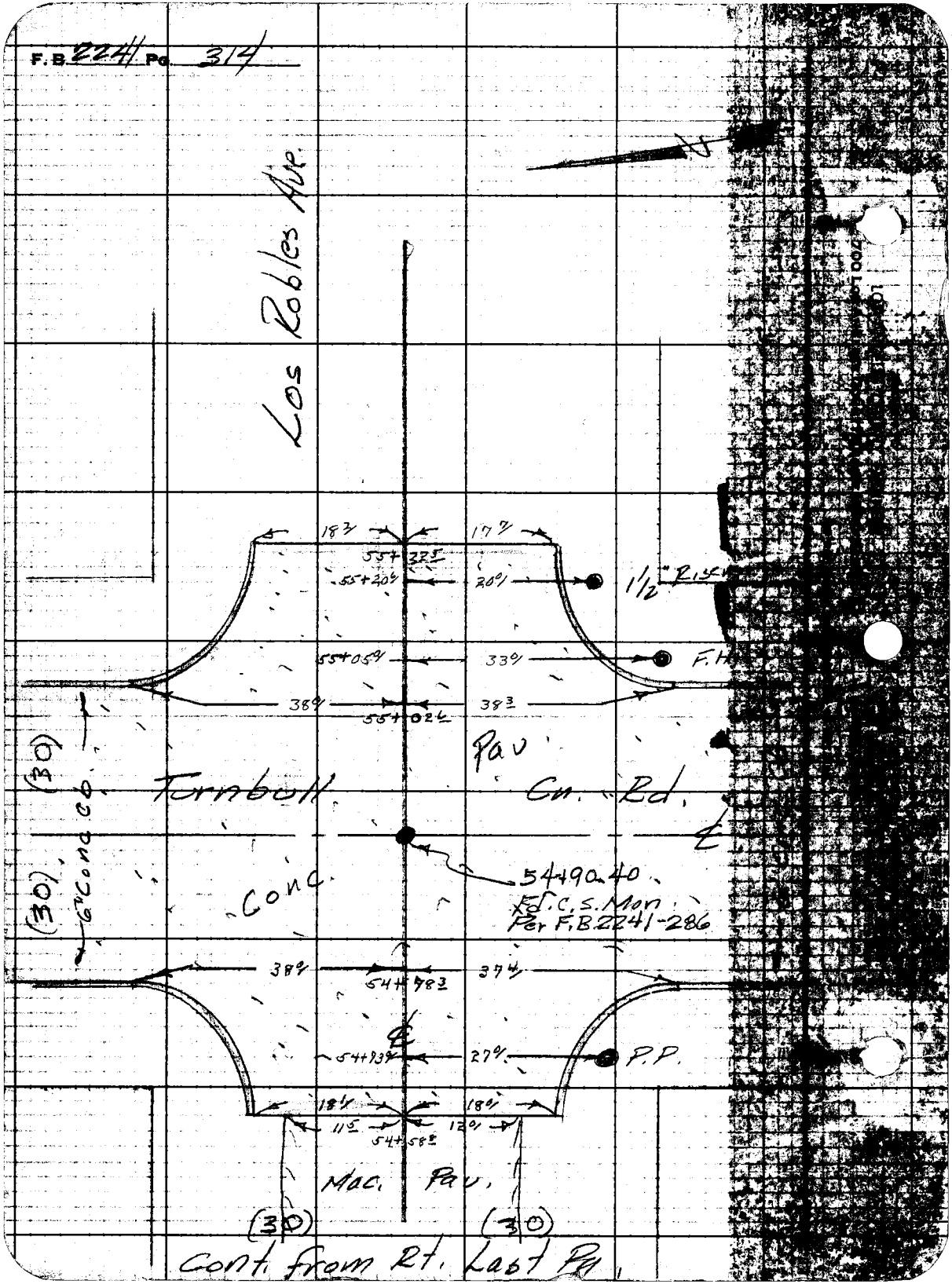
7673DES CE #247—3-57

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