Notes C by
M
Wk

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

F.B. 3109 Pg.

3109

	Job	Description
		W.W. DIST #29 FERNWOOD PEAK Z2A 2215.14
5	C.L.	C.L. Survey on Grandview Dr. from Sischo Dr. to P.I. opp. Lot 4 of Tr. #8859 Block 10
26	Loc.Imp	On the above.
34	Prof.	On the above.
47	Index	Observation drive
50	C.L.	C.L. Survey of Observation Dr. from Croydon Lane to Grandview Dr. & Stites Dr. & Montau Dr. from Observation Dr. to end of Streets
128	Loc.Imp	On Observation Dr.
142	Prof.	ON Observation Dr. E'ly of Croydon Lane
147	Loc.Imp	On Stites Drive
146	Prof.	On the above.
51	Loc.Imp	On Montau Dr.
55	Prof.	On the above.
		Microfilmed April '85
62	Index	Horseshoe Dr.
163-170	C.L.	C.L. retracement of Horseshoe Dr. from Fernwood Pacific Dr. to

76F3098.C0-F310-0165

F.B. 3109 Pg

Cul-de-sac.

181-184	Loc.Imp.	For pgs. 163-170 2215.14
185-189	Prof.	On the above.
191-196	Align.	Retracement of Tuna Cn. Rd. from P.I. #106 to P.I. #111 in Sec. 19 R16W, T1S. 0313.00
197-207	Loc.Imp.	& profile on the above. 2215.14
209-219	C.L.	Final C.L. of Tuna Cn. Rd. from P.I. 114 to P.I. 123.Sec. 13 T1S, R17W
220-	Angles	Angle check on Tuna Cn. Rd.
221-229	Prof.	Of Tuna Cn. Rd. from Reservoir Site E'ly of Jct.of Tuna Cn & Saddle Peak Rd., along Tuna Cn. Rd., NE to Jct. of Fernwood Pacific.
231-235	C.L.	C.L. Survey of Bainum Dr. & Grandview Dr., SW'ly from Fernwood Pacific Dr.
237-240	Loc.Imp.	On the above.
241-244	Prof.	On the above.

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Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109	Pg. 5
Map No.	JN 0303.00 Tape 138 Std 68° °F		
Office Work	Surveyed by F. E. Brooks		
Checked	Notes F. E. Brooks Date Jan-Feb 63		
Date	Indexed E. J. GALLI FEB 8 '69		

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J.N. 0303.00

ZII A

FERNWOOD PEAK

TOPANGA - EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

℄ Survey

on

GRANDVIEW DRIVE

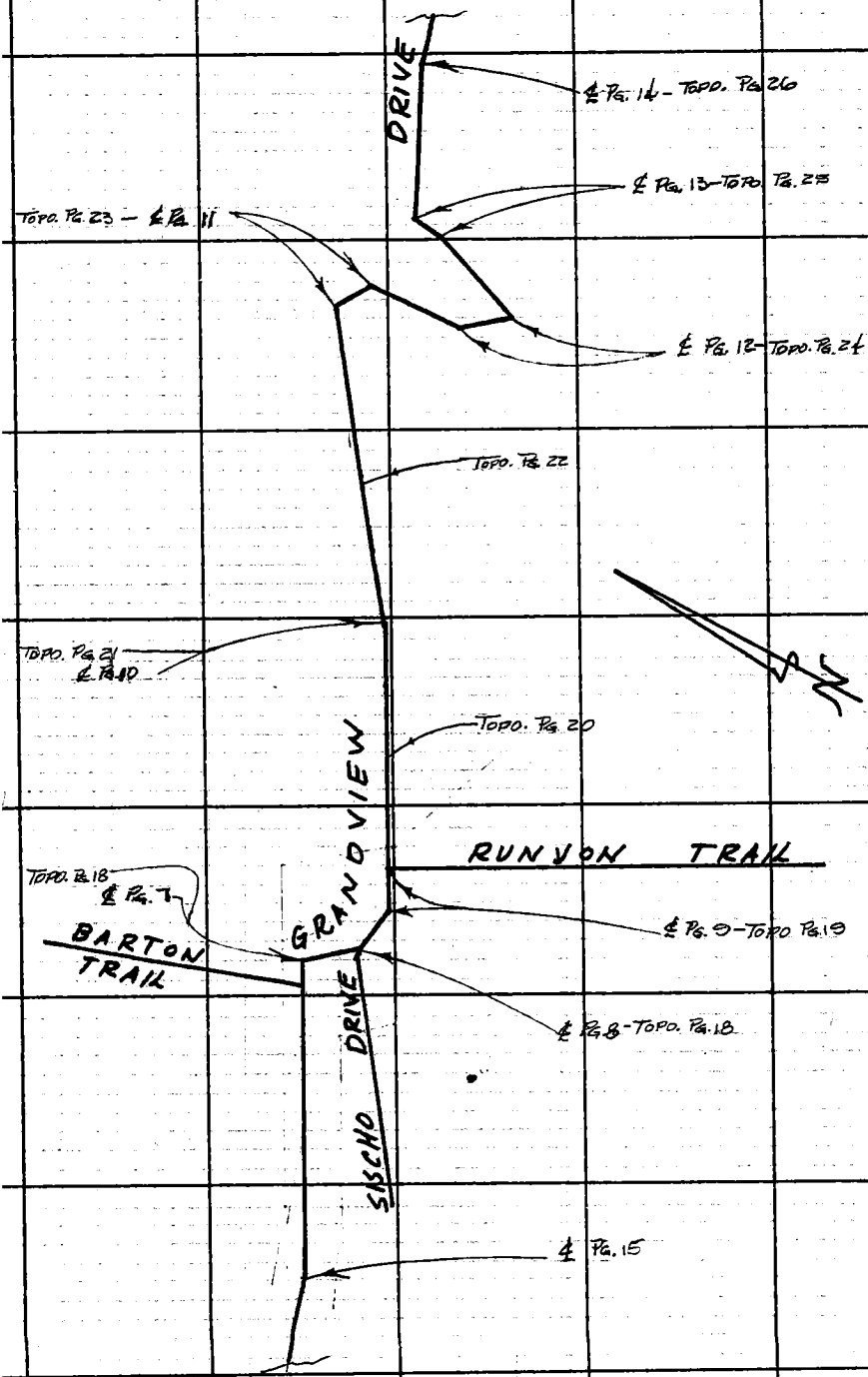
From Cischo Dr.

To P.I. opp. Lot 4 Tr 8859 Block 10

F.E. Brooks
K.M. Kapp
G.E. Cook
E. Martinez
C.G. Valdez

F. B. 3109 PG. 6

Cont Bot Pg 149 F.B. 3105



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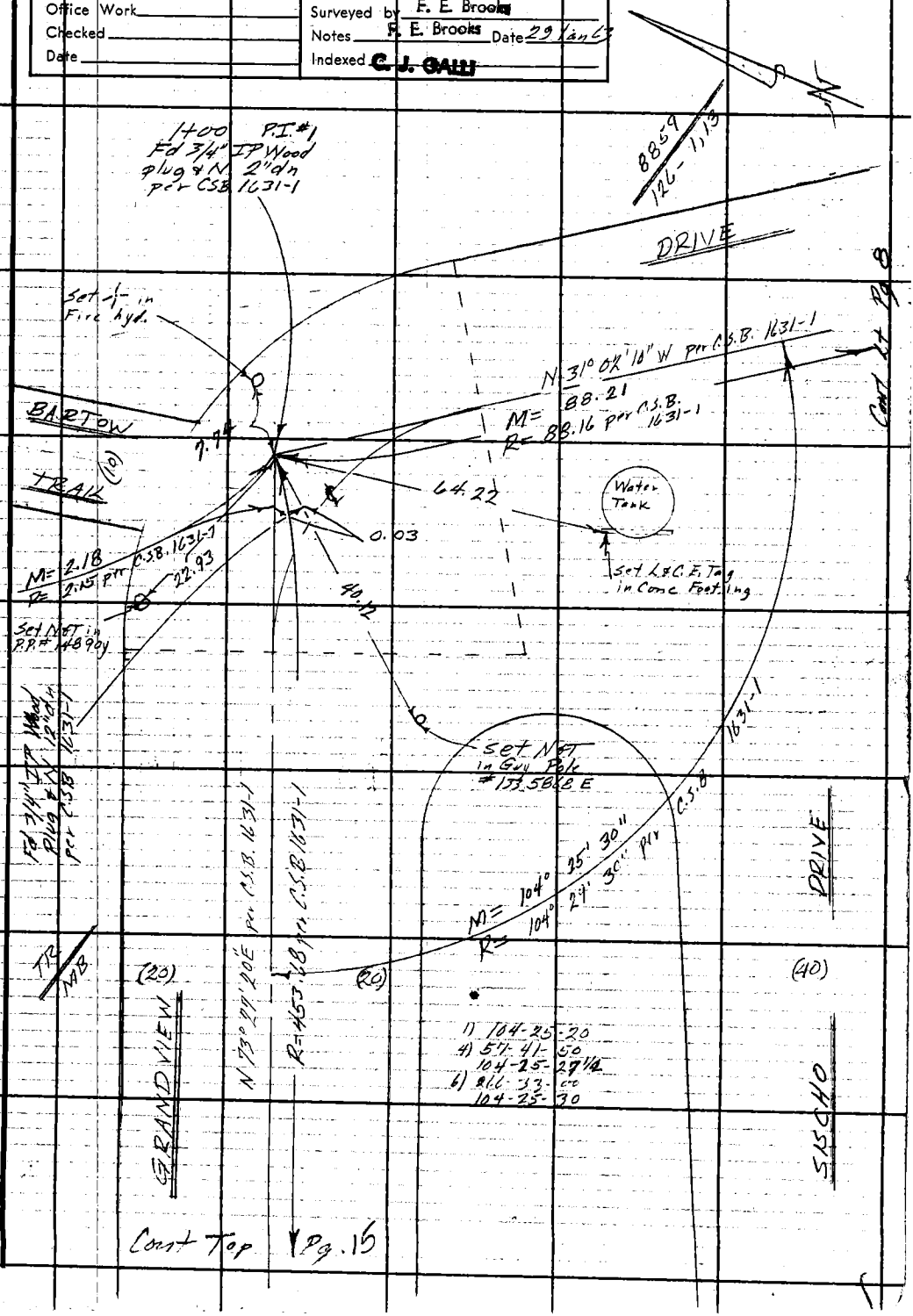
14

Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 Pg. 7
Map No.	JN 0307.00 Tape 138 Std. 84° °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 29 Jan 63	
Date	Indexed C. J. GALLI	



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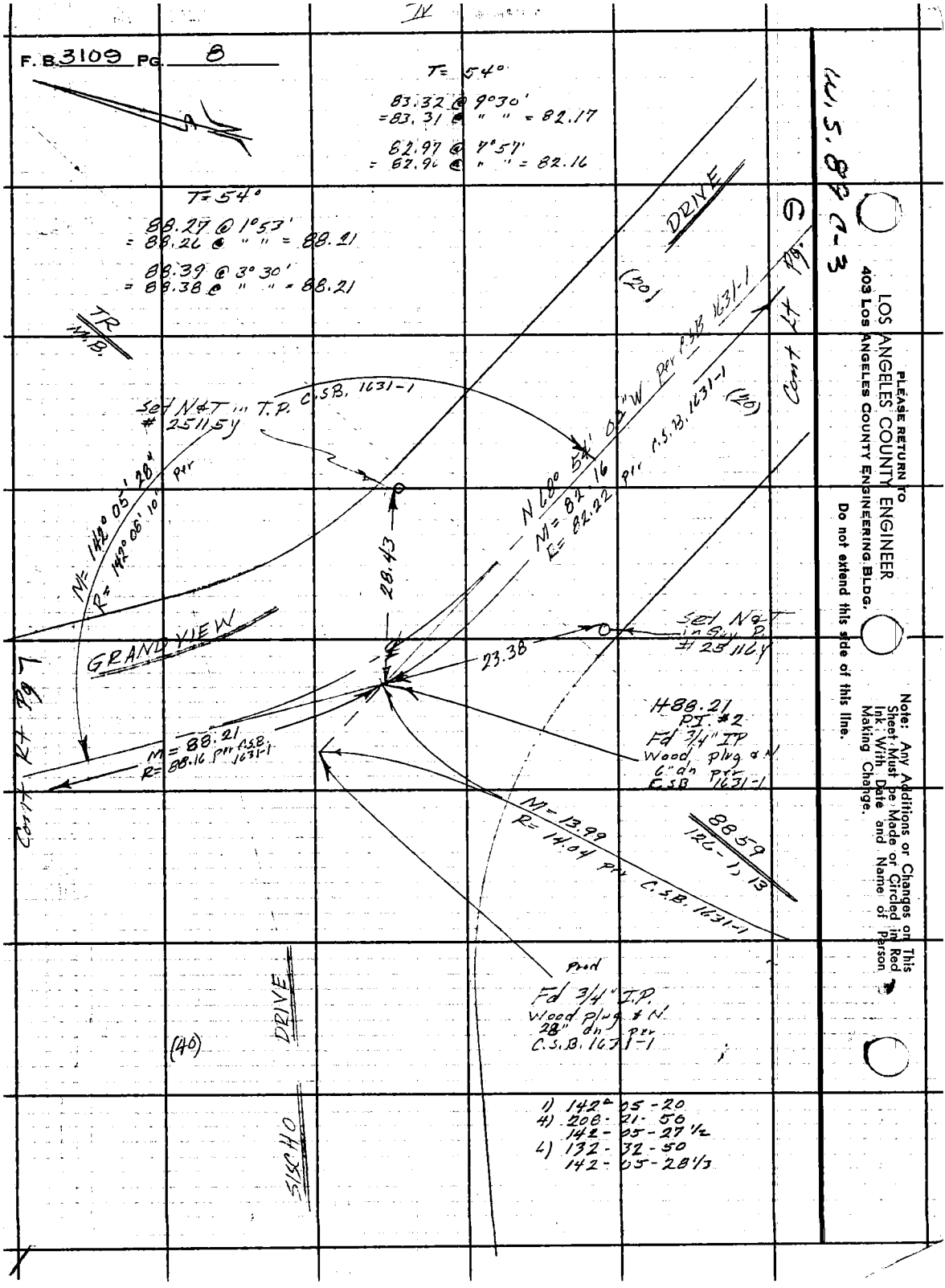
W. S. 8 C-3


F. B. 3109 PG. 8
T= 54°
83.32 @ 9°30'
=83.31 @ " " = 82.17
82.97 @ 7°57'
= 82.96 @ " " = 82.16
T=54°
88.27 @ 1°53'
= 88.26 @ " " = 88.21
88.39 @ 3°30'
= 88.38 @ " " = 88.21
TR
M.B.
DRIVE
(20)
Set N&T in T.P. C.S.B. 1631-1
25115Y
N 68° 54' 08" W per C.S.B. 1631-1
M= 82.16
R= 82.22 per C.S.B. 1631-1
(20)
Cont Rt Pg. 6
M= 142° 05' 28"
R= 142° 06' 10" per
28.43
GRAND VIEW
Set N&T in Guy P.
25116Y
23.38
H88.21
P.I. #2
Fd 3/4" IP
Wood plug & N
6" dn per
C.S.B. 1631-1
M= 88.21
R= 88.16 per C.S.B. 1631-1
Cont Rt Pg 7
M= 13.99
R= 14.04 per C.S.B. 1631-1
88.59
126-1, 13
Prod
Fd 3/4" I.P.
Wood plug & N
28" dn per
C.S.B. 1631-1
DRIVE
(40)
SISCHO
1) 142° 05 - 20
4) 208 - 21 - 50
142 - 05 - 27 1/2
6) 132 - 32 - 50
142 - 05 - 28 1/3
W.S. 89 C-3
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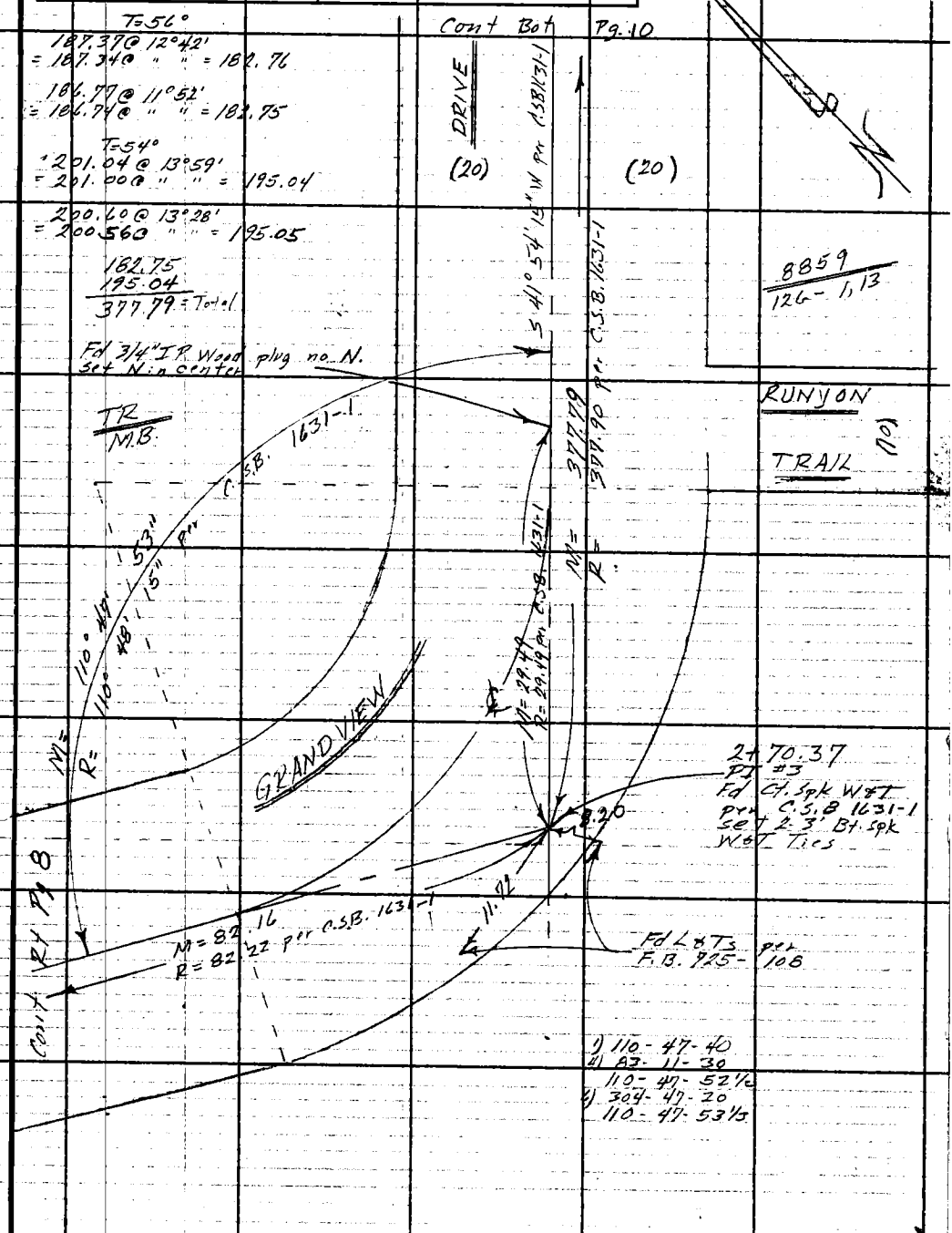
V

Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0303.00 Tape 138 Std 84° °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 29 Jan 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 9



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F. B. 3109 Pg. 10

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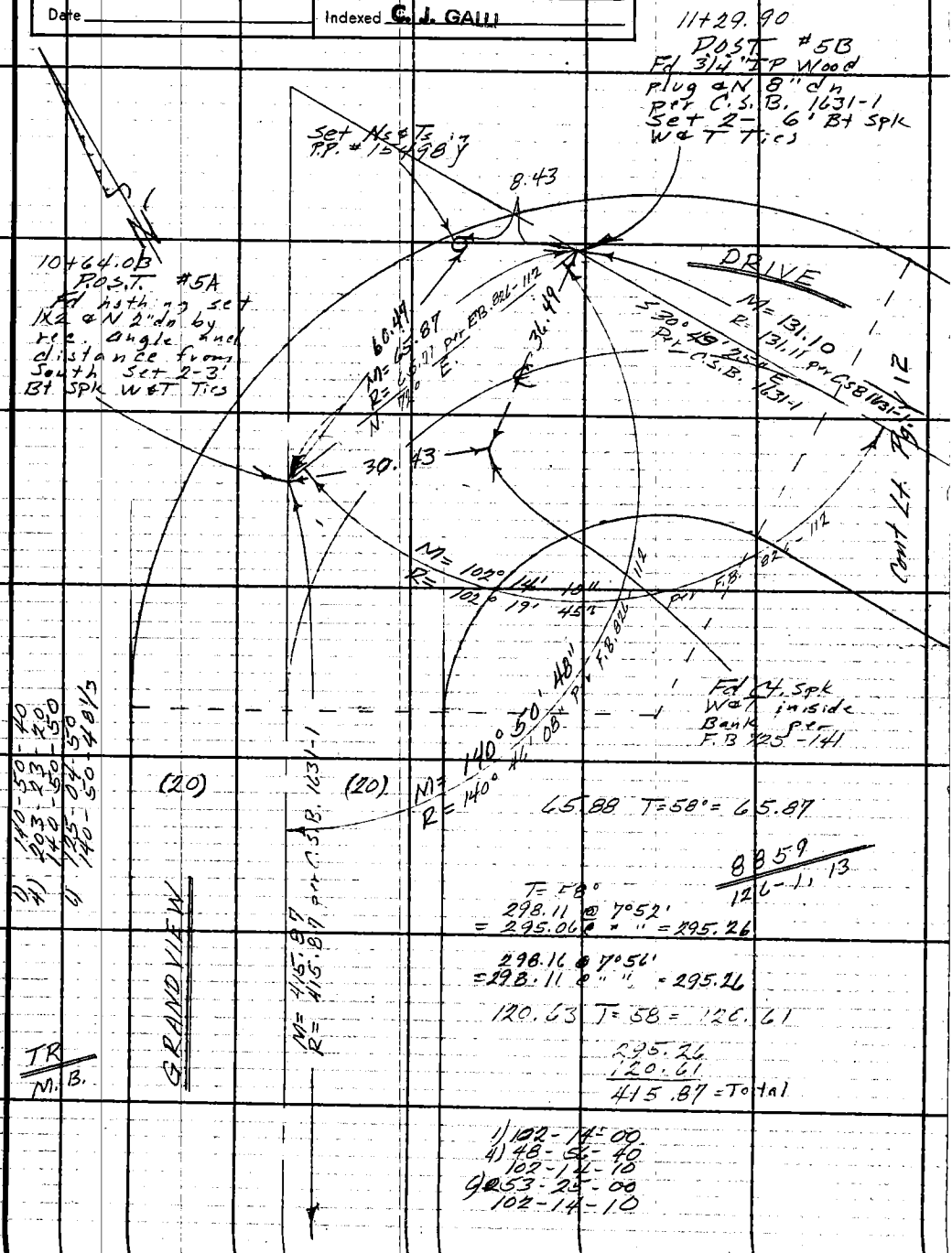
Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 Pg. 11
Map No.	JN 0303.00 Tape 138 Std 84 °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 30 Jan 63	
Date	Indexed C. J. GALLI	



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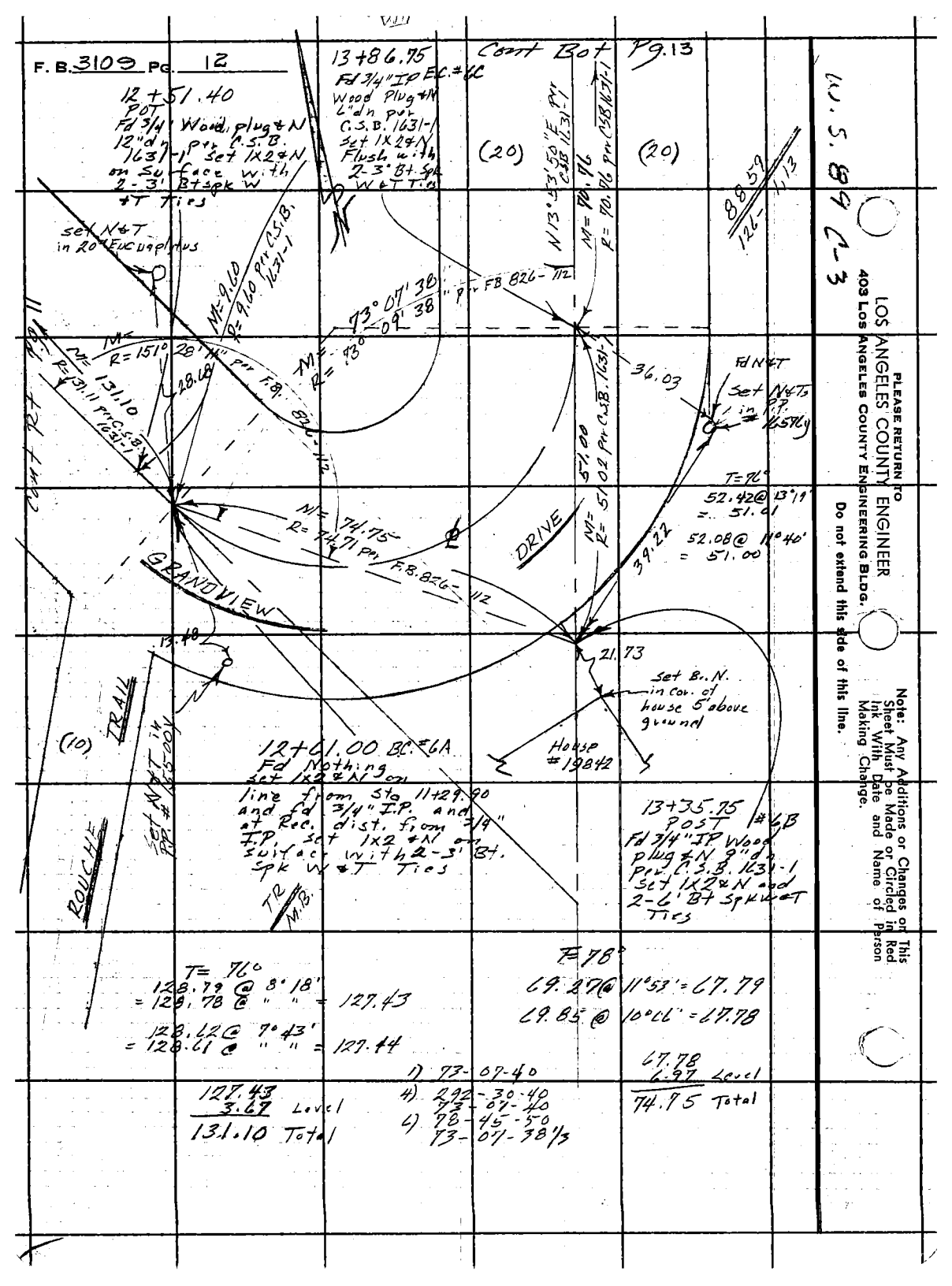
F. B. 3109 Pg. 12


12+51.40 POT Fd 3/4" Wood plug & N 12" d in 1631-1 Pvr C.S.B. Set 1X2 & N on Surface with 2-3' B+ spk W & T Ties
13+86.75 Fd 3/4" IP Ec. # 1C Wood Plug & N 6" d in Pvr C.S.B. 1631-1 Set 1X2 & N Flush with 2-3' B+ Spk W & T Ties
Court Bot Pg. 13
(20)
(20)
N 13° 53' 50" E C.S.B. 1631-1 Pvr
M = 90.76
P = 90.76 Pvr C.S.B. 1631-1
88.59
126-
U. S. 89 C-3
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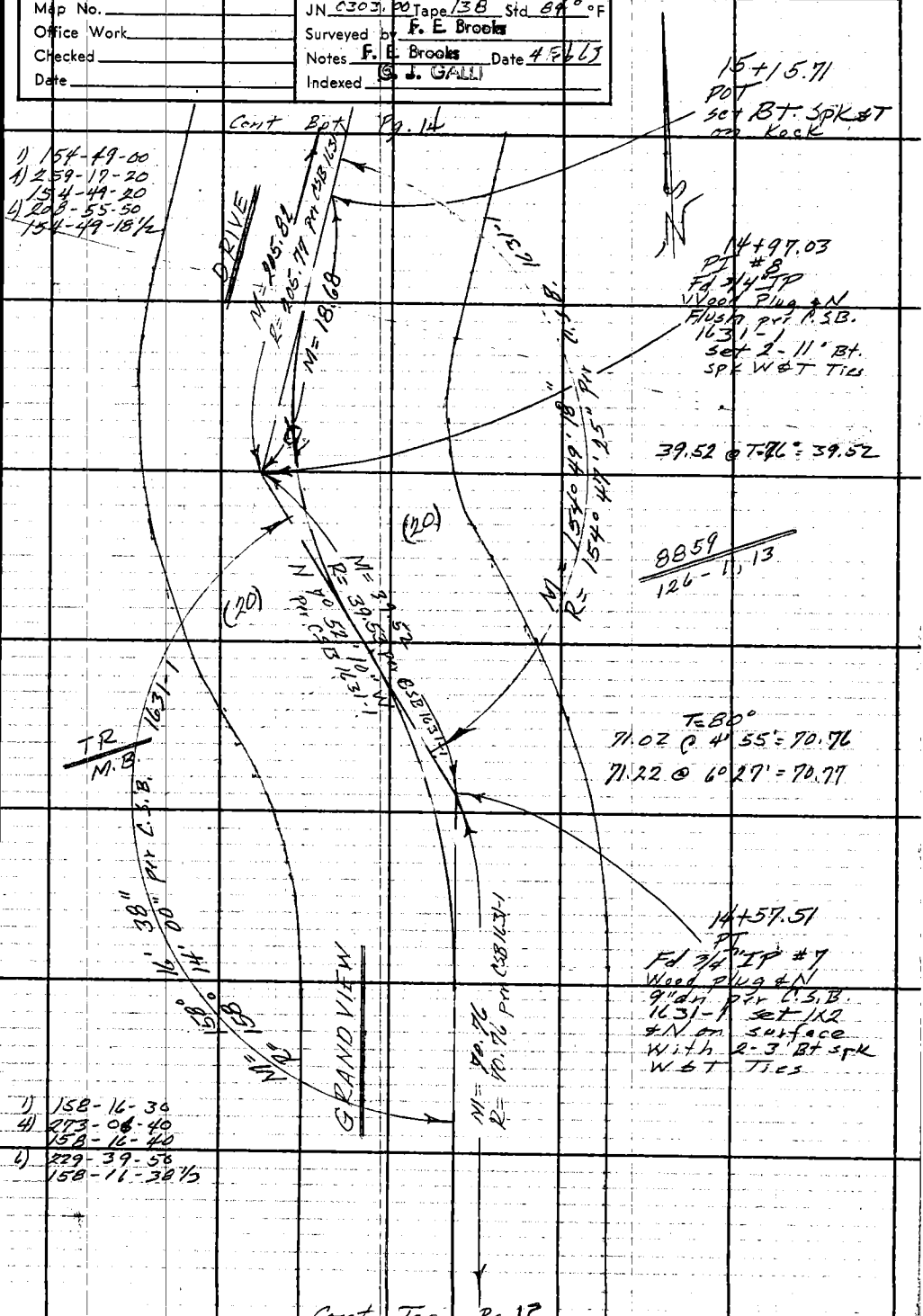
set N & T in 20" Euc up plus
M = 9.60
P = 9.60 Pvr C.S.B. 1631-1
73° 07' 38" Pvr F.B. 826-112
M = 73°
R =
M = 131.10
R = 131.11 Pvr C.S.B. 1631-1
R = 151° 28' M Pvr F.B. 826-112
28.18
Fd N & T Set N & T PP in # 1C Sty
36.03
T = 76°
52.42 @ 13°19' = 51.01
52.08 @ 11°40' = 51.00
39.22
51.00
R = 51.02 Pvr C.S.B. 1631-1
M = 74.75
R = 74.71 Pvr F.B. 826-112
GRANDVIEW
DRIVE
13.48
21.73
set B.N. in Cor. of house 5' above ground
House # 19842
(10)
TRAIL
set N & T in P.P. 0.5' on # 6A
ROUCHE
12+61.00 B.C. # 6A Fd Nothing set 1X2 & N on line from Sta 11+29.90 and Fd 3/4" I.P. and at Rec. dist. from 3/4" I.P. set 1X2 & N on Surface with 2-3' B+ Spk W & T Ties
TR M.B.
13+35.75 POST # 6B Fd 3/4" IP Wood plug & N 9" d Pvr C.S.B. 1631-1 Set 1X2 & N and 2-6' B+ Spk W & T Ties
T = 76°
128.79 @ 8°18' = 128.78 @ " " = 127.43
128.62 @ 7°43' = 128.61 @ " " = 127.44
T = 78°
69.27 @ 11°53' = 67.79
69.85 @ 10°44' = 67.78
1) 73-07-40
4) 292-30-40
73-07-40
4) 78-45-50
73-07-38 1/3
127.43
3.67 Level
131.10 Total
67.78
6.97 Level
74.75 Total

Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 Pg. 13
Map No.	JN 0303.00 Tape 138 Std 84° °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 4 Feb 63	
Date	Indexed G. J. GALLI	



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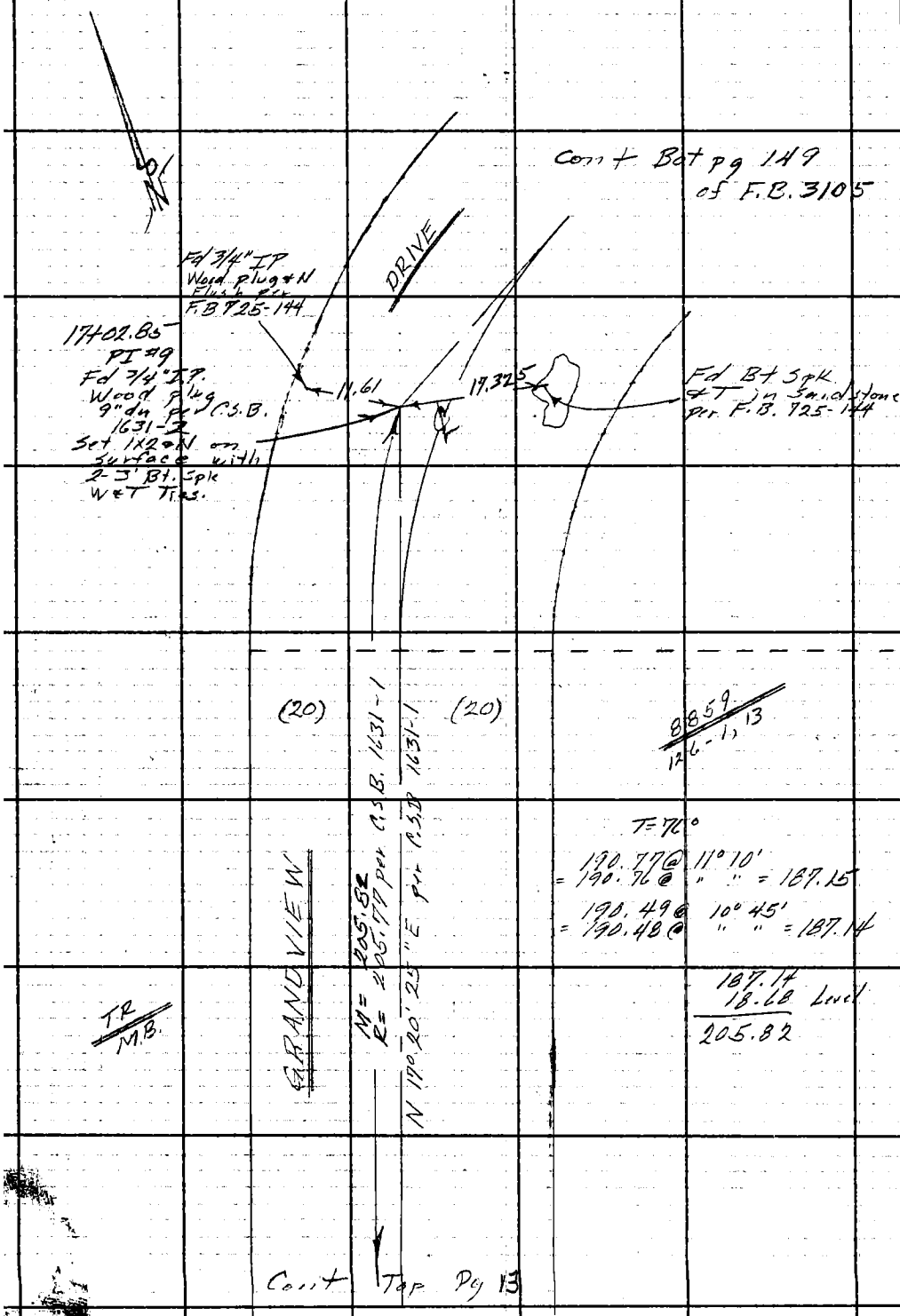
W.S. 89 C-3

F.B. 3109 Pg. 14



W. S. 87 C-3

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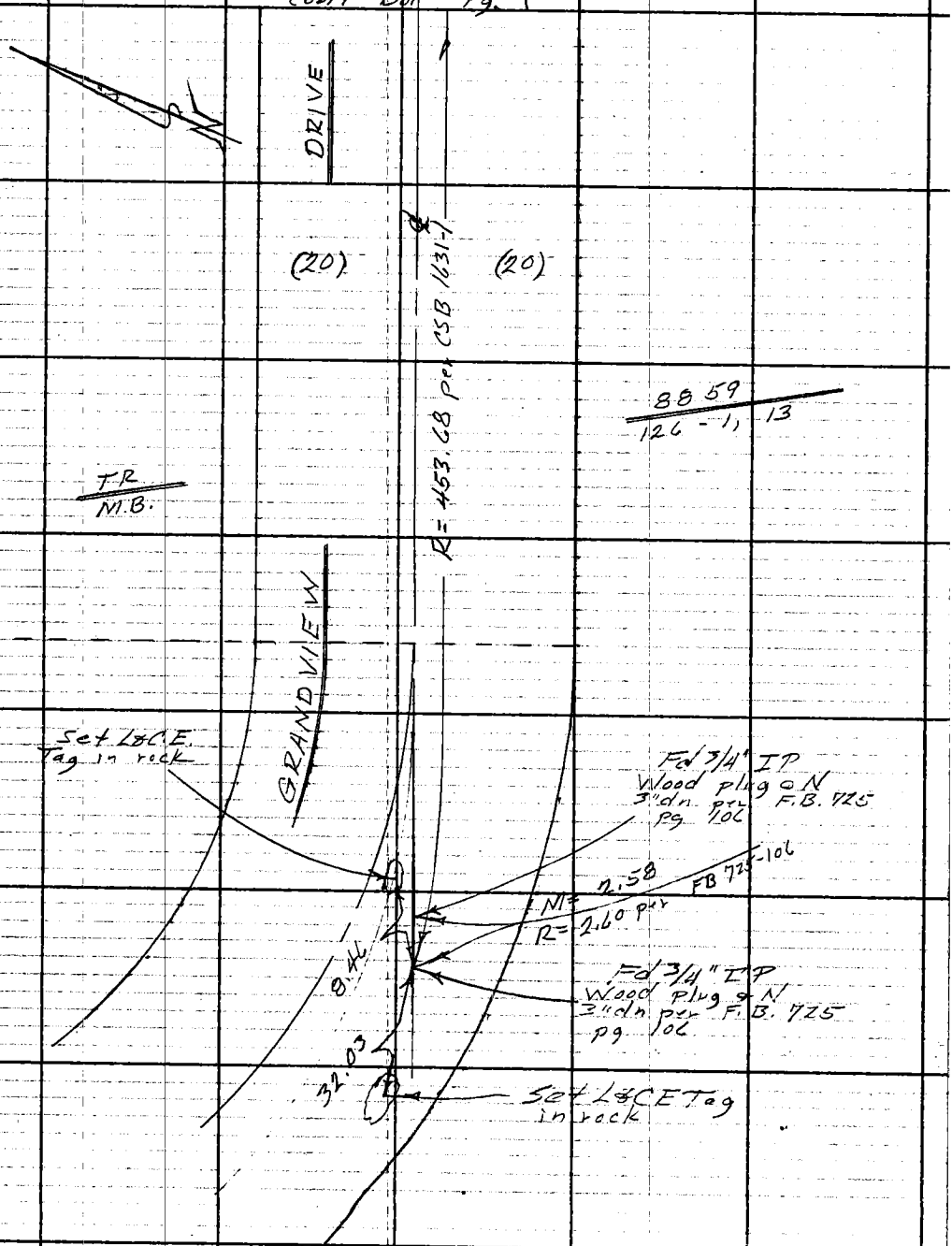
Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 PG. 15
Map No.	JN 0303.00 Tape 138 Std 84 °F	
Office Work	Surveyed by E. E. Brooks	
Checked	Notes E. E. Brooks Date 29 Jan 63	
Date	Indexed G. J. GALLI	

Cont Bot Pg. 7



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W.S. 89 C-3

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F. B. 3109 Pg. 16

Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 PG. 17
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date Feb 63	
Date	Indexed C. J. CALLI FEB 8 '63	

J.N. 2215.14

III A

FERNWOOD PEAK

TOPANGA - EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

Location of Improvements

in

GRANDVIEW DRIVE

From Sischo Dr.

To P.I. opp. Lot 4 of Tr. 6659 Block 10

F.E. Brooks
K.M. Kapp
E. Martinez
G.E. Cook
C.G. Valdez

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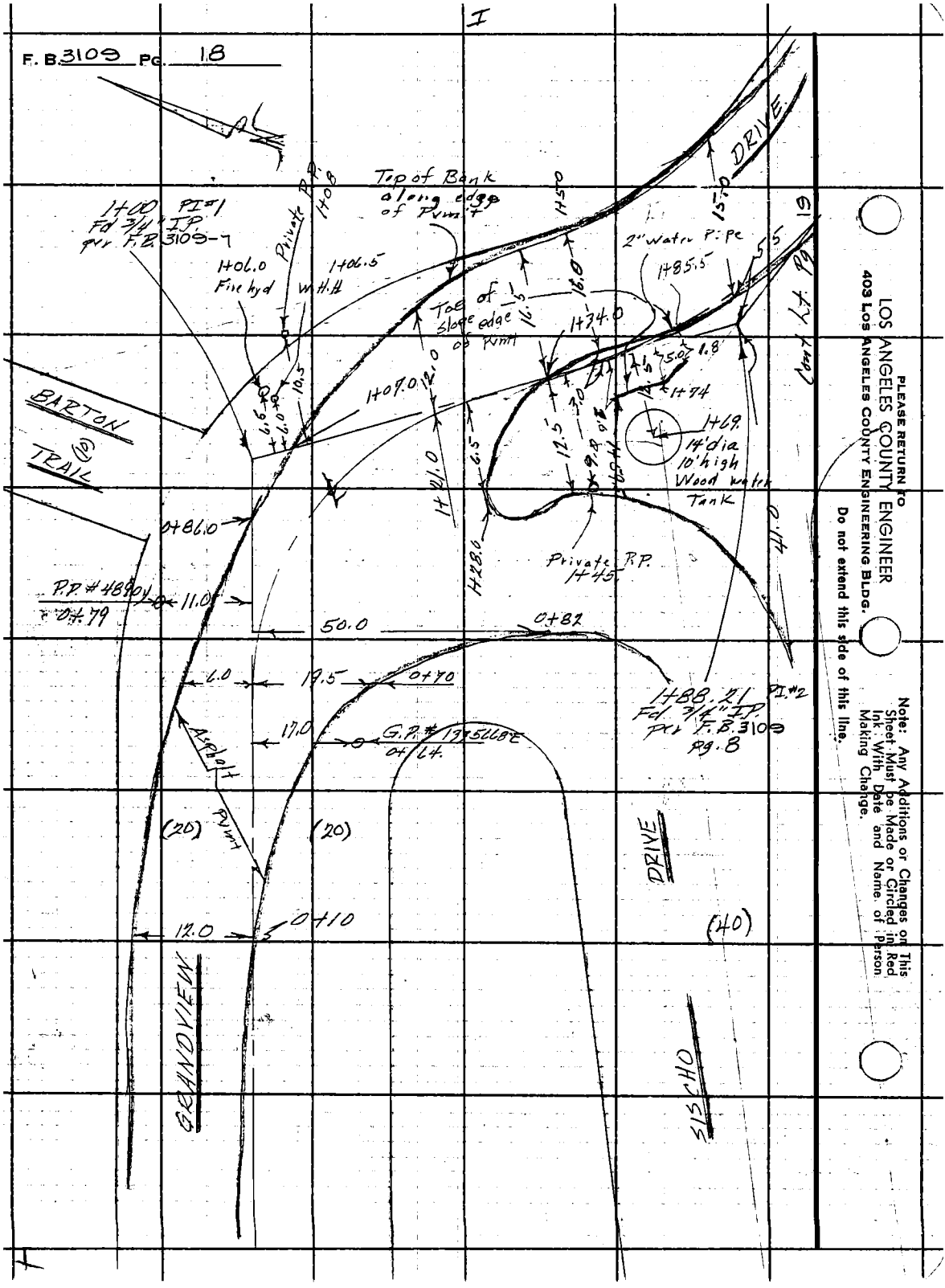

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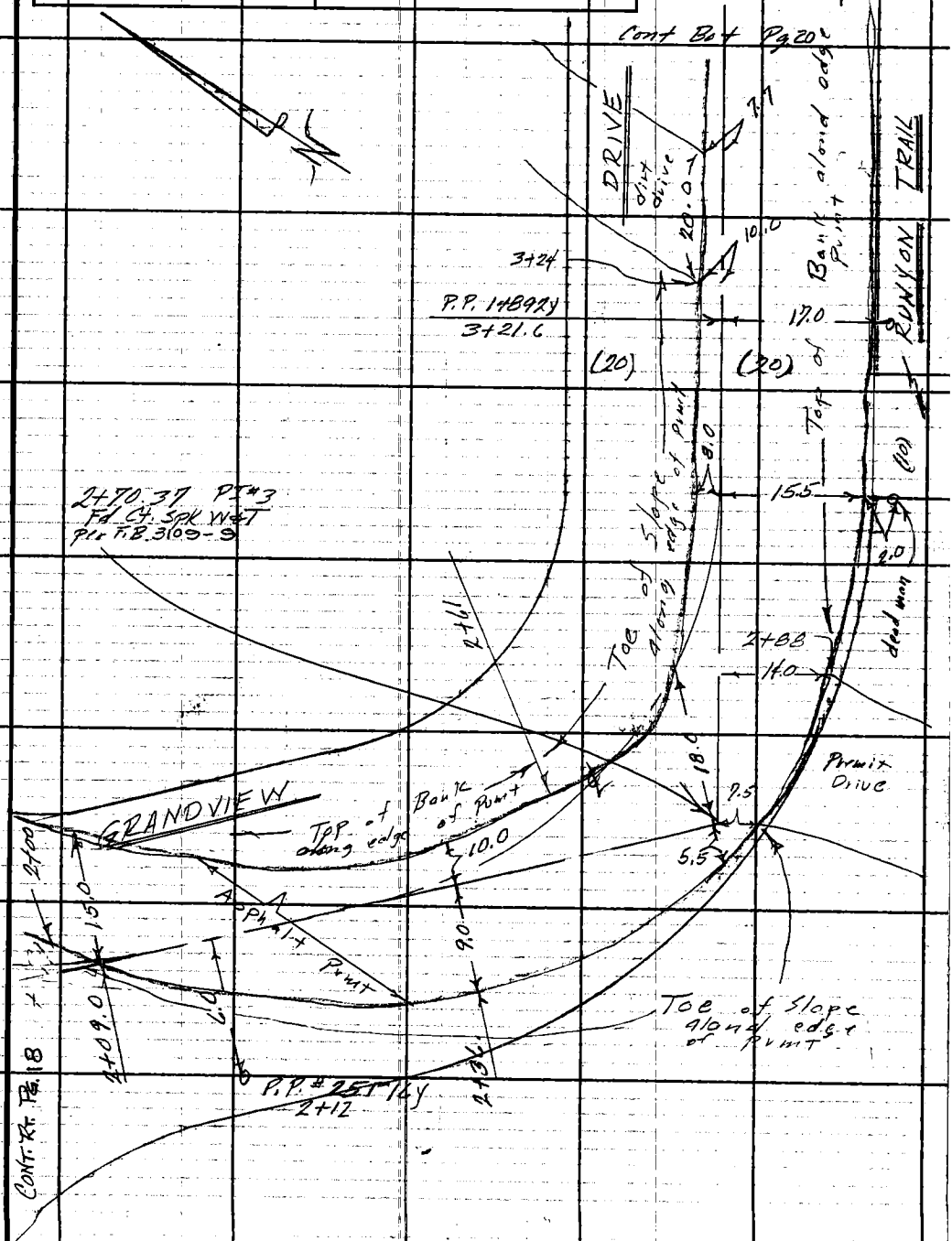
II

Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date Feb 63
Date	Indexed R. J. GALLI

F. B. 3109 PG. 19



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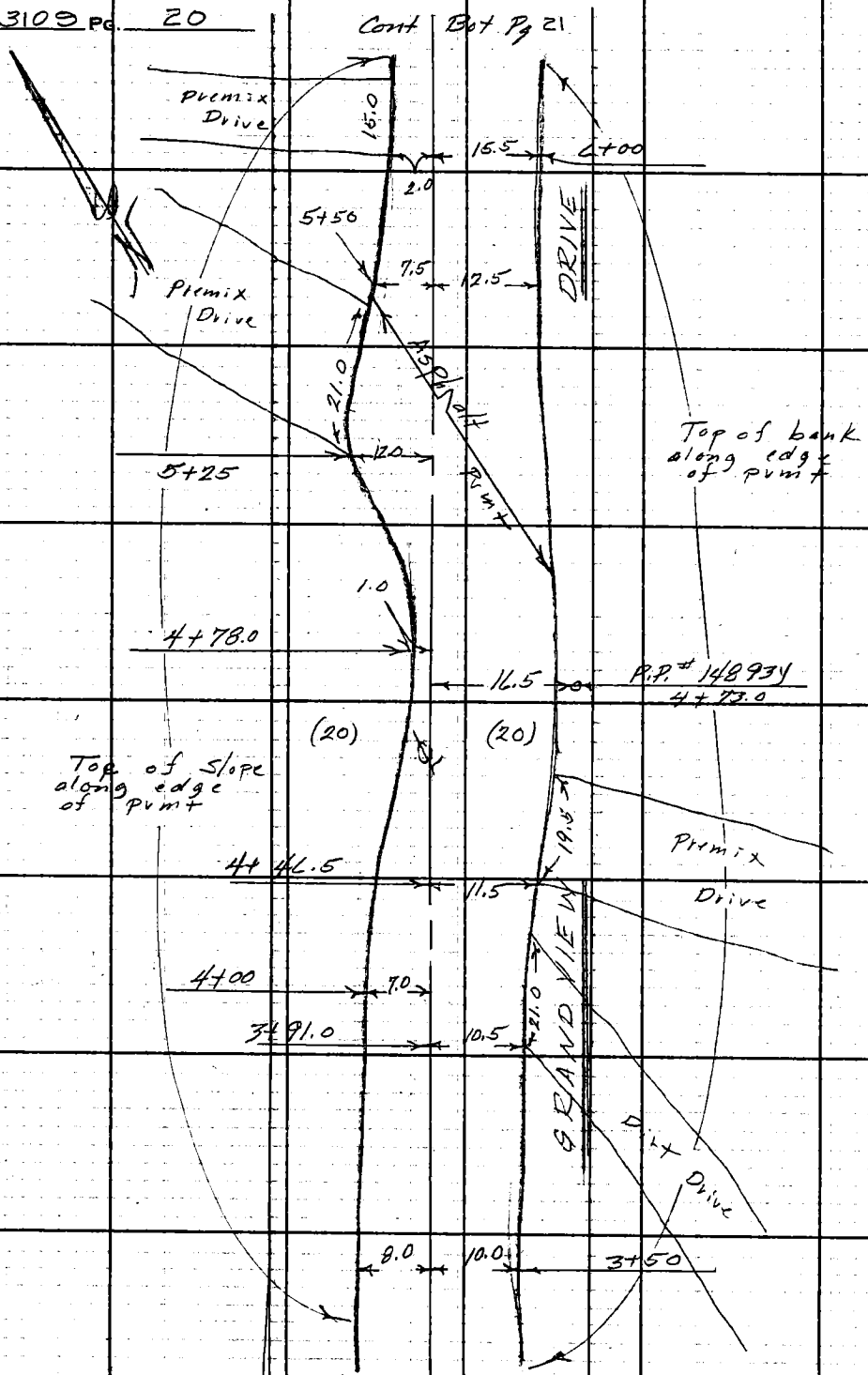
F. B. 3109 Pg. 20



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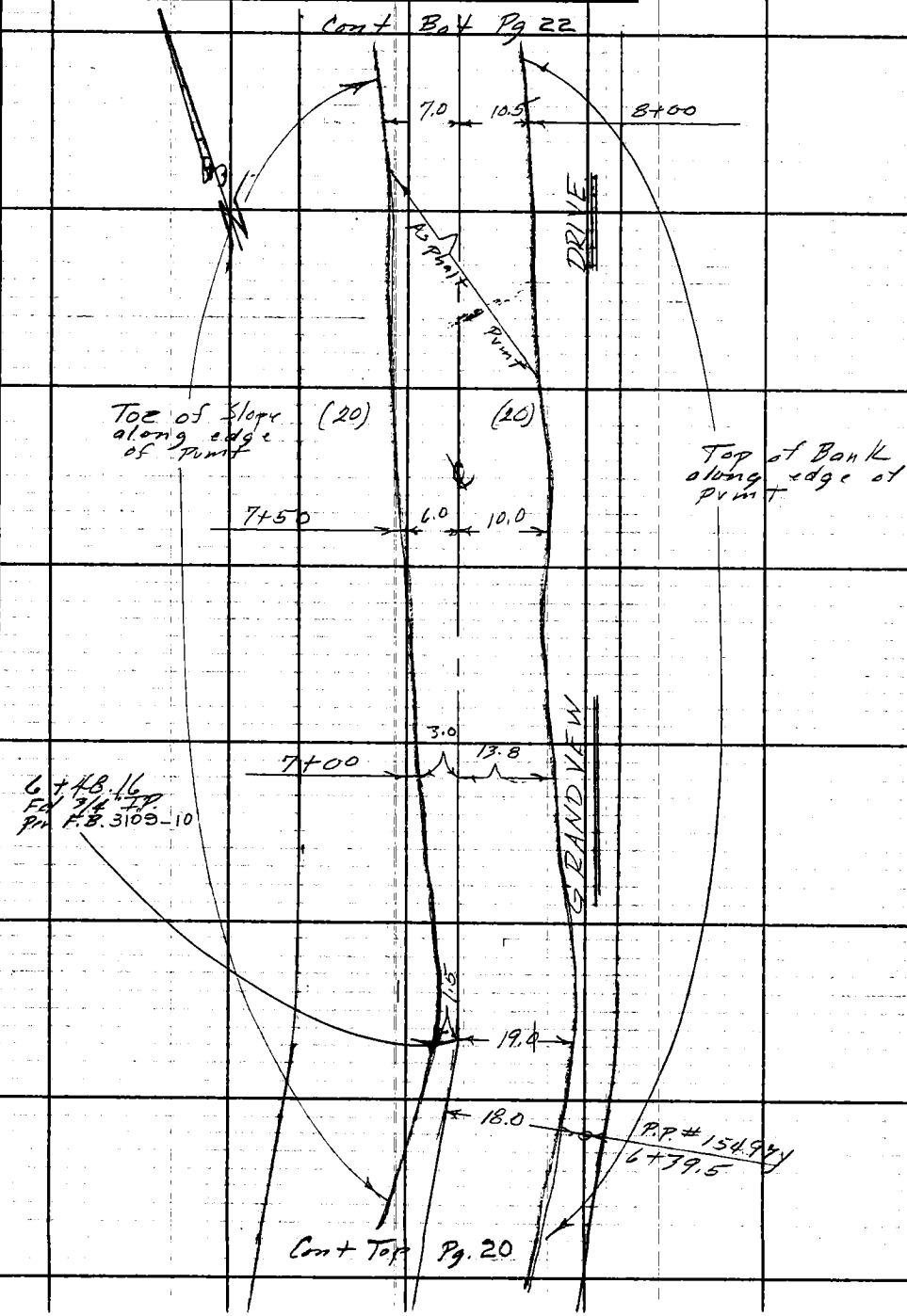
IV

Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 PG. 21
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date Feb 63	
Date	Indexed G. J. GALLI	



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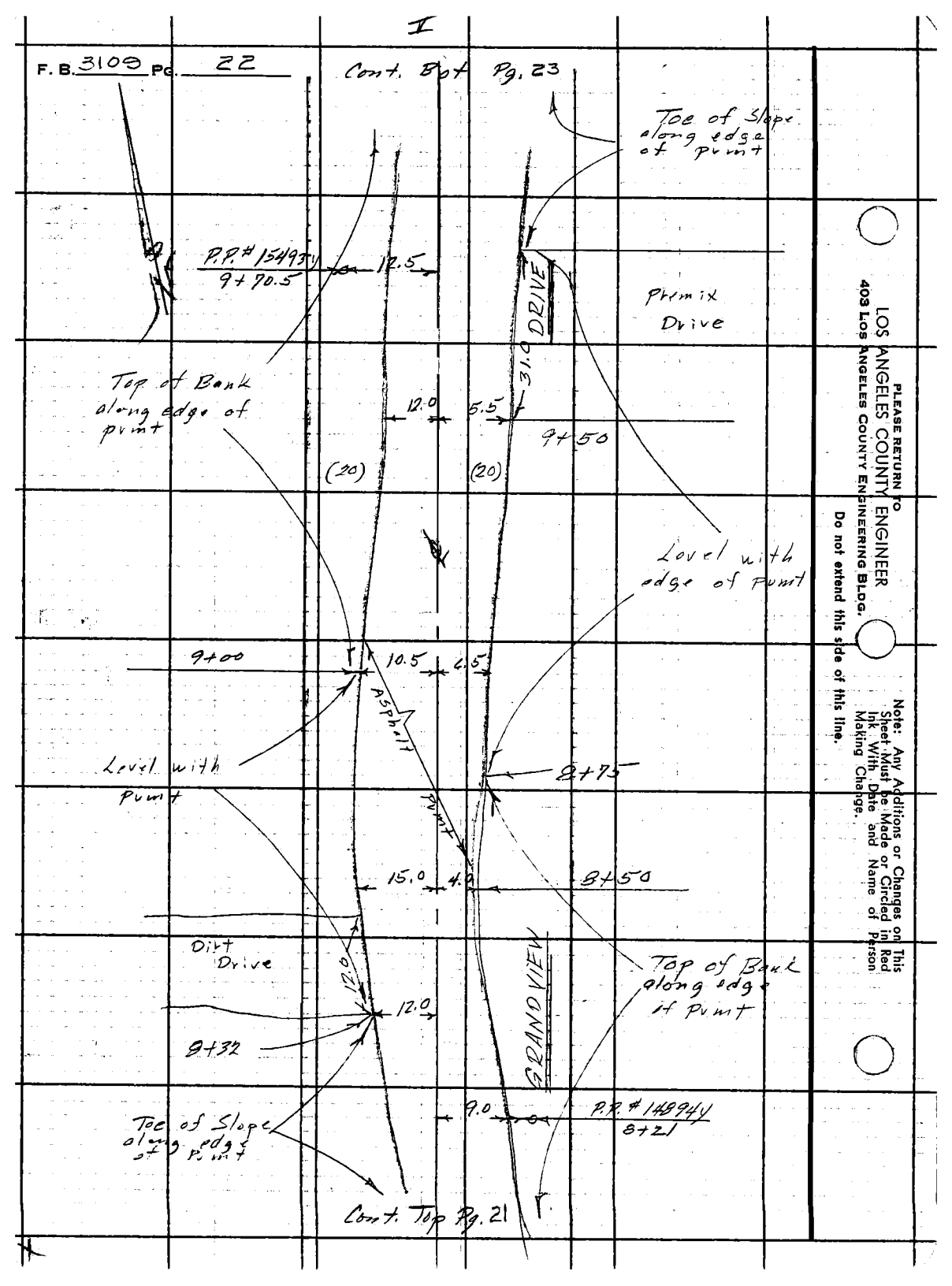
76F3095 CE # 310 3-61

F. B. 3109 Pg. 22



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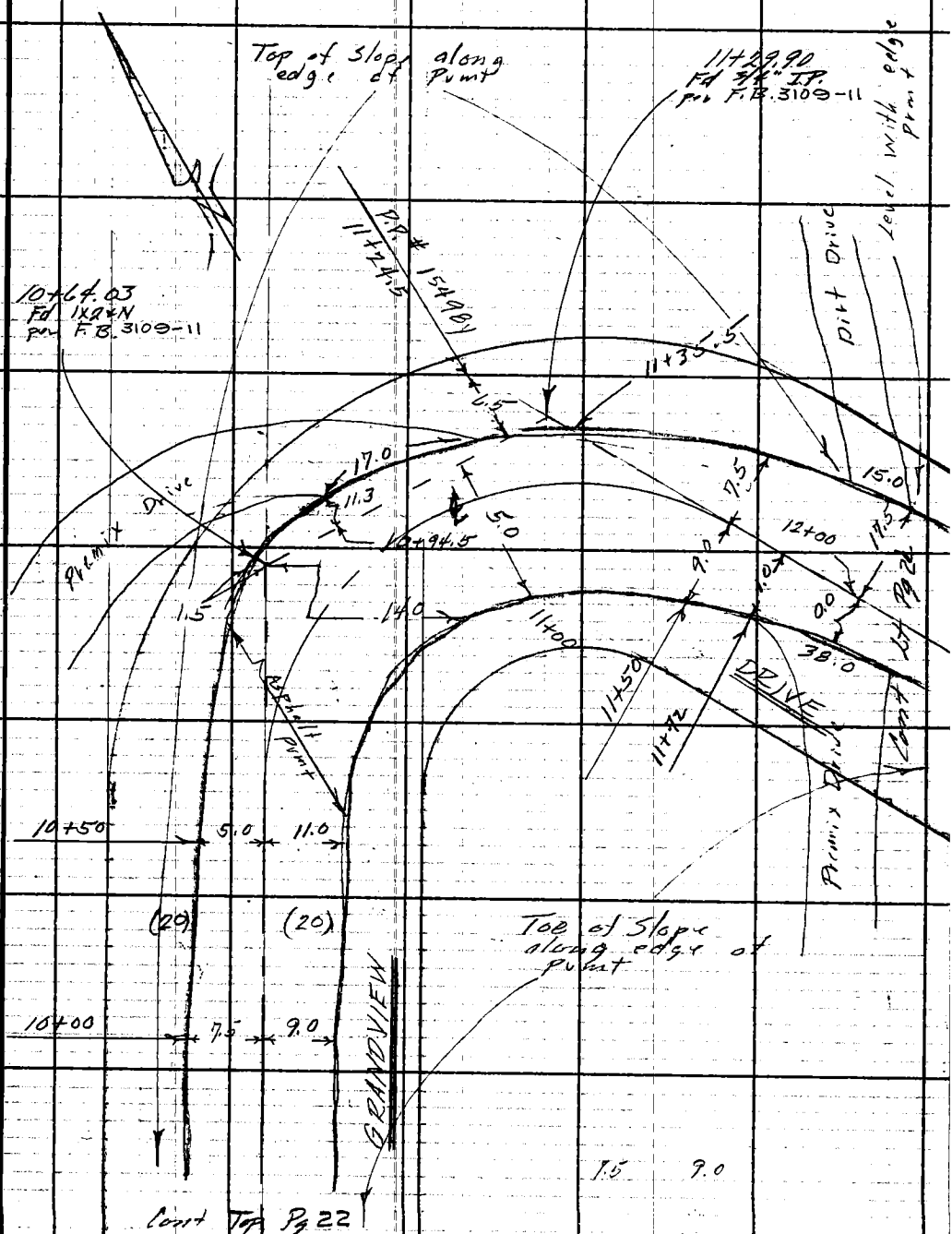
VI

Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 Pg. 23
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by E. E. Brooks	
Checked	Notes E. E. Brooks Date Feb 63	
Date	Indexed R. J. GALLI	



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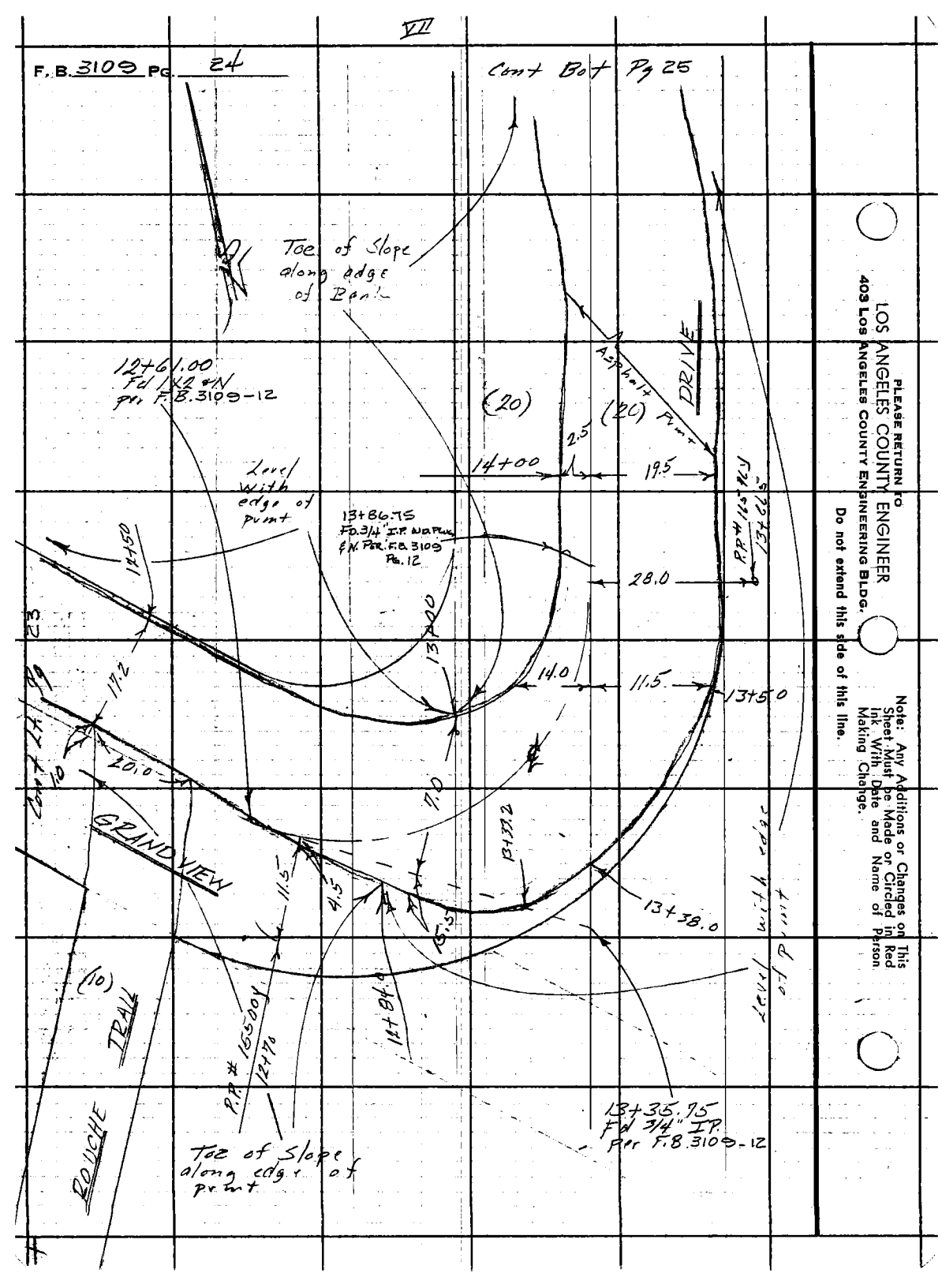
VII

F. B. 3109 Pg. 24



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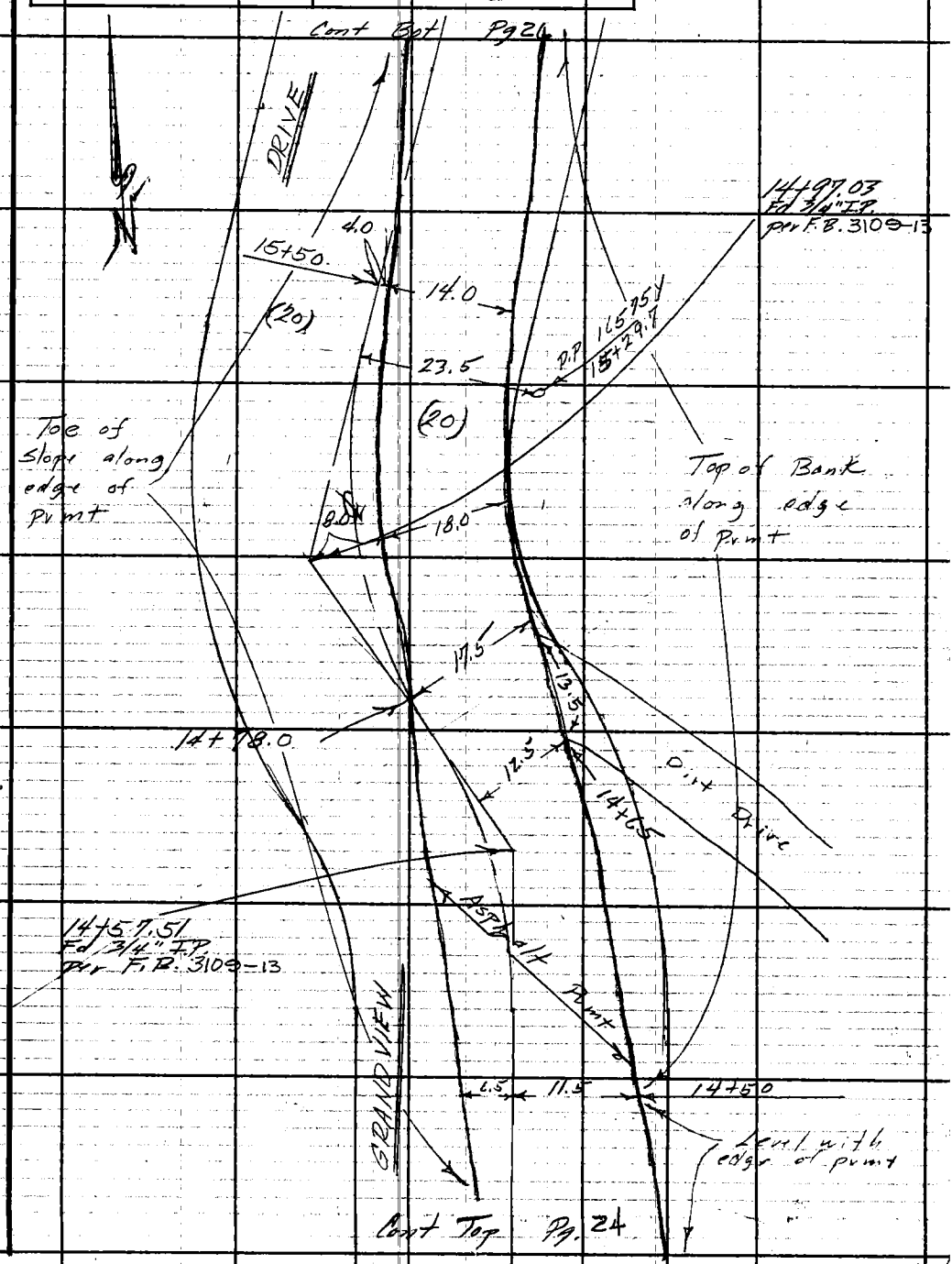
Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 PG. 25
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date Feb 63	
Date	Indexed R. J. GALLI	



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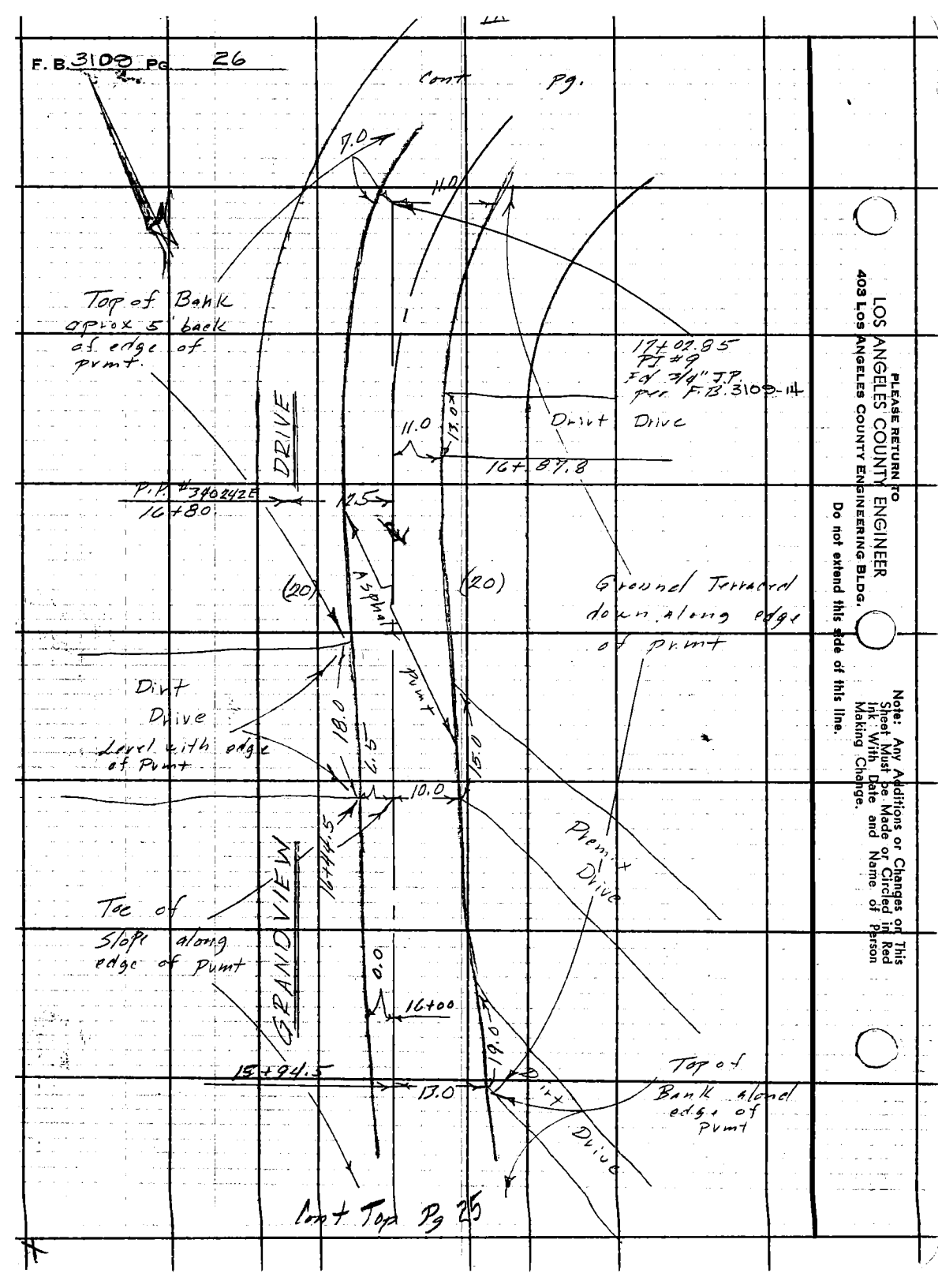
76F3095 CE # 310 3-61

F. B. 3109 Pg. 26



Cont Top Pg 25

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Profile No.	Notes Red. Date	Plotted Date	Job No. 2215.14 Division No. 11	F. B. 3109 Pg. 27
X-Sec. No.	Notes Chkd Austin Date 2-18-63	Checked Date	Survey of Fernwood Peak Survey by F. E. Brooks Notes K.M.K. Date 2-5-63 Map No. Indexed C. J. GALLI Date FEB 8 '63	

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700 Los Angeles County Engineering Bldg.

J. N. 2215.14

Z II A

FERNWOOD PEAK

TOPANGA - EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

Profile
on
GRAND VIEW DRIVE
from
Sischo Dr.
to
P.I. opp. Lot 4 of Tr. 8859 Block 10

STATION	B. S.	H. I.	F. S.	ELEV.
		F. E. Brooks K. M. Kapp E. Martinez G. E. Cook C. G. Valdez		

761-298 S & E #307—1-56

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
BM F-2	8 95	1293 49		1284 54	BM F-2 Elev. = 1284.541 F.B. 3108-23 Std. Brass Cap Mon. up 3" @ Ints. Fernwood Pacific Dr. & Bainum Dr. on N.W. Cor. middle of curve 2' N. of edge of Rd., 2" I.P. marker pipe up 4' - 1' South of B.M. Marked "F-2 R.E. 5869"
T.P.	10 68	1303 99	0 18	1293 31	
T.P.	4 83	1308 55	0 27	1303 72	
T.P.	0 38	1297 30	11 63	1296 92	
T.P.	0 87	1286 26	11 91	1285 39	
T.P. 0+10	0 73	1275 64	11 35	1274 91	S'ly. edge pvt. Grand View Dr. T/L
0+86 °			7 41	1268 23	N'ly. " " " " " "
1+00			8 45	1267 19	P.I. #1 Pg. 7 3/4" I.P. T/L
1+07 °			7 96	1267 68	N'ly. edge pvt. Grand View Dr. T/L
1+34 °			10 58	1265 06	S'ly. " " " toe of slope "
T.P.	2 10	1265 94	11 80	1263 84	
1+50			1 3	1264 6	T/L top of bank
1+82			3 6	1262 3	T/L " " "
1+88.21			6 08	1259 86	P.I. #2 Pg. 8 3/4" I.P. T/L toe of slope
2+00			7 0	1258 9	T/L

F.B. 3109 PG. 28 Job No. 2215.14 Division No. 11 Notes Red Plotted Profile
Survey of Fernwood Peak Date Date No.
Survey by F. E. Brooks Notes K.M. Kepp Notes Chkd Austin Checked X-Sec.
Indexed C. J. GALLI Date Date 2-18-63 Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
2+09.0 T.P.		1265 94	8 12	1257 82	N. w'ly edge pvt. Grand View Dr. T/L
2+50	0 93	1254 95	11 92	1254 02	T/L pvt.
2+70.37			3 81	1251 14	P.I. #3 Pg. 9 3/4" I.P. T/L
3+00			10 08	1244 87	T/L pvt.
T.P.	0 72	1243 98	11 69	1243 26	
3+50			9 23	1234 75	T/L pvt.
T.P.	1 04	1233 15	11 87	1232 11	
4+00			7 59	1225 56	T/L pvt.
T.P.	0 86	1222 28	11 73	1221 42	
4+50			6 95	1215 33	T/L pvt.
T.P.	0 84	1211 31	11 81	1210 47	
5+00			7 95	1203 36	T/L pvt.
T.P.	0 66	1200 22	11 75	1199 56	
5+50			8 66	1191 56	T/L pvt.
T.P.	0 44	1188 73	11 93	1188 29	
6+00			9 71	1179 02	T/L pvt.
T.P.	1 03	1177 85	11 91	1176 82	
6+48.16			9 39	1168 46	P.I. #4 Pg. 10 3/4" I.P. T/L
T.P.	0 77	1166 82	11 80	1166 05	
7+00			7 64	1159 18	T/L pvt.
T.P.	1 56	1156 71	11 67	1155 15	
7+50			6 00	1150 71	T/L pvt.

Profile Notes Red. Plotted Job No. 2215.14 Division No. 11 F.B. 3109 Pg. 29
No. Date Date Survey of Fernwood Peak
X-Sec. Notes Chkd Austin Checked Survey by F. E. Brooks Notes K.M.K. Date 2-5-63
No. Date 2-18-62 Date Map No. Indexed J. GALLI Date

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
—		1156 71			
T.P.	0 82	1145 63	11 90	1144 81	
8+00			1 95	1143 68	T/L pvt.
8+50			7 92	1137 71	T/L pvt.
9+00 T.P.	1 21	1135 04	11 80	1133 83	T/L pvt.
9+50			5 35	1129 69	T/L pvt.
10+00 T.P.	1 44	1125 06	11 42	1123 62	T/L pvt.
10+50			8 20	1116 86	T/L pvt.
10+64.03			9 72	1115 34	POST. #5A Pg. 11 1x2 & N. T/L
T.P.	1 99	1115 45	11 60	1113 46	
11+00			3 49	1111 96	T/L pvt.
11+24 5			4 00	1111 45	N'ly. edge pvt. Grand View Dr. T/L
11+29.90			4 59	1110 86	POST. #5B. Pg 11 3/4" I.P. T/L
11+35 5			4 60	1110 85	N'ly edge pvt. Grand View Dr. T/L
11+50			5 88	1109 57	T/L pvt.
12+00 T.P.	1 28	1105 10	11 63	1103 82	T/L pvt.
12+50			8 18	1096 92	T/L pvt.
12+61.00			10 14	1094 96	B.C. #6A Pg. 12 1x2 & N. T/L
T.P.	1 04	1094 95	11 19	1093 91	
13+00			6 55	1088 40	T/L pvt.
13+33 2			9 95	1085 00	S'ly. edge pvt. Grand View Dr. T/L

F. B. 3109 PG. 30 Job No 2215.14 Division No 11 Notes Red Plotted Profile
Survey of Fernwood Peak Date Date No.
Survey by F. E. Brooks Notes K.M. Kapp Notes Chkd Austin Checked X-Sec.
Indexed C. J. GALLI Date Date 2-18-63 Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
13+35.75		1094 95	10 36	1084 59	POST #6B Pg. 12 3/4" I.P. T/L
13+38 °			10 73	1084 22	5'ly. edge pvt. Grand View Dr. T/L
13+50 T.P.	0 76	1083 81	11 90	1083 05	T/L pvt.
14+00			9 40	1074 41	T/L pvt
T.P.	0 43	1072 27	11 97	1071 84	
14+50			5 84	1066 43	T/L pvt.
14+57.51			7 11	1065 16	P.I. #7 Pg. 13 1x2 & N. over 3/4" I.P. T/L
T.P.	5 80	1066 26	11 81	1060 46	
14+ 78 °			4 85	1061 41	W'ly. edge pvt. Grand View Dr toe of slope T/L
14+97.03			3 98	1062 28	P.I. #8 Pg. 13 3/4" I.P. T/L brk.
15+00			4 0	1062 3	T/L ground
"			7 90	1058 36	7 ° Rt (E'ly.) W'ly. edge pvt. toe of slope Grand View Dr.
T.P.	0 81	1055 22	11 85	1054 41	
15+50			1 7	1053 5	T/L ground
"			4 62	1050 60	5 ° Rt (E'ly.) W'ly. edge of pvt. toe of slope Grand View Dr.
16+00 T.P.	1 44	1044 69	11 97	1043 25	toe of slope T/L W'ly. edge pvt. Grand View Dr.
16+50			9 28	1035 41	T/L pvt.
T.P.	0 83	1033 76	11 76	1032 93	
17+00			7 98	1025 78	T/L pvt.
17+ 02.85			8 50	1025 26	P.I. #9 Pg. 14 pvt over 3/4" I.P. T/L
T.B.M.			8 80	1024 96	TBM See next Pg. for descrip.

Profile Notes Red ____ Plotted ____ Job No. 2215 14 Division No. 11 F. B. 3109 Pg. 31
No. ____ Date ____ Date ____ Survey of Fernwood Peak
X-Sec. Notes Chkd Austin Checked ____ Survey by F. E. Brooks Notes K.M.K. Date 2-5-63
No. ____ Date 2-18-63 Date ____ Map No. ____ Indexed C. J. CALL Date ____

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
TBM	4 95	1029 91 ✓		1024 96 ✓	TBM Grand View Dr. (E'ly side) 12.5 E'ly. from ℄ Grand View Dr. & 3.0 S'ly. from Guy Pole #15499 Y Bt. spk. & Tin in top of Sandstone Rock near House #19804
T.P.	10 41	1040 09 ✓	0 23	1029 68 ✓	
T.P.	10 44	1050 30 ✓	0 23	1039 86 ✓	
T.P.	8 27	1058 23 ✓	0 34	1049 96 ✓	
T.P.	11 20	1068 94 ✓	0 49	1057 74 ✓	
T.P.	11 59	1080 17 ✓	0 36	1068 58 ✓	
T.P.	9 63	1089 46 ✓	0 34	1079 83 ✓	
T.P.	10 07	1099 24 ✓	0 29	1089 17 ✓	
T.P.	10 16	1109 15 ✓	0 25	1098 99 ✓	
T.P.	9 92	1118 56 ✓	0 51	1108 64 ✓	
T.P.	11 74	1130 07 ✓	0 23	1118 33 ✓	
T.P.	10 77	1140 50 ✓	0 34	1129 73 ✓	
T.P.	11 57	1151 51 ✓	0 56	1139 94 ✓	
T.P.	11 87	1163 06 ✓	0 32	1151 19 ✓	
T.P.	11 74	1174 50 ✓	0 30	1162 76 ✓	
T.P.	11 34	1185 57 ✓	0 27	1174 23 ✓	

F. B. 3109 PG. 32 Job No. 2215.14 Division No. 11 Notes Red Plotted Profile
Survey of Fernwood Peak Date Date No.
Survey by F. E. Brooks Notes K. M. Kapp Notes Chkd Austin Checked X-Sec.
Indexed R. J. GALLI Date Date 2-18-63 Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
—		1185 57 ✓			
T. P.	11 99	1197 24 ✓	0 32	1185 25 ✓	
T. P.	11 25	1208 14 ✓	0 35	1196 89 ✓	
T. P.	11 34	1219 23 ✓	0 25	1207 89 ✓	
T. P.	11 37	1230 18 ✓	0 42	1218 81 ✓	
T. P.	11 16	1240 70 ✓	0 64	1229 54 ✓	
T. P.	11 28	1251 72 ✓	0 26	1240 44 ✓	
T. P.	10 56	1261 75 ✓	0 53	1251 19 ✓	
T. P.	10 10	1271 20 ✓	0 65	1261 10 ✓	
T. P.	11 01	1281 97 ✓	0 24	1270 96 ✓	
T. P.	11 85	1293 60 ✓	0 22	1281 75 ✓	
T. P.	10 31	1303 66 ✓	0 25	1293 35 ✓	
T. P.	5 78	1309 02 ✓	0 42	1303 24 ✓	
T. P.	0 57	1298 29 ✓	11 30	1297 72 ✓	
T. P.	1 50	1291 39 ✓	8 40	1289 89 ✓	
BM F-2			6 73	1284 66 ✓	BM F-2 Elev. = 1284.541 F.B. 3108-23
—					See Pg. for descrip.
BM F-2	0 54	1285 08 ✓		1284 54 ✓	BM F-2 Elev. = 1284.541 F.B. 3108-23
—					See Pg. for descrip.
T. P.	0 54	1273 80 ✓	11 82	1273 26 ✓	
T. P.	0 62	1262 58 ✓	11 84	1261 96 ✓	

Profile Notes Red. Plotted Job No. 2215 Division No. 14 11 F. B. 3109 Pg. 33
No. Date Date Survey of Fernwood Peak
X-Sec. Notes Chkd Austin Checked Survey by F. E. Brooks Notes K.M.K. Date 2-6-63
No. Date 2-18-63 Date Map No. Indexed S. J. GALLI Date

76L-298 S & E #307—1-56

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STATION	B. S.		H. I.		F. S.		ELEV.		
—			1262	58 ✓					
T.P.	1	12	1251	89 ✓	11	81	1250	77 ✓	
T.P.	0	45	1241	37 ✓	10	97	1240	92 ✓	
T.P.	0	40	1230	50 ✓	11	27	1230	10 ✓	
T.P.	3	29	1224	45 ✓	9	34	1221	16 ✓	
TBM					6	23	1218	22 ✓	TBM Elev. = 1218.182 F.B. 3108 + 23
									Bt. Spk. & W. up 8" in P.P. #340196
									2' N. of Guard Rail, N. side of Rd

F. B. 3109 PG. 34 Job No 2215.14 Division No. 11 Notes Red Plotted Profile
Survey of Fernwood Peak Date Date No.
Survey by F. E. Brooks Notes K. M. Kapp Notes Chkd Austin Checked X-Sec.
Indexed [illegible] Date Date 2-18-63 Date No.

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

F. B. PG.

Note

The Tangent dist. on Observation Drive per CSB M31-1 along lots 9-10-11 of Block 19 TR 8859 is long by 15.60 feet.

Angle shown on pg 124 F.B. 826 at POST on Stites Dr. is small by 5 degrees. The run up is shown on pg 125 F.B. 826. The intial angle is small by 5 degrees the run up of it is correct but the average of it is small by 5 degrees.

F. C. Brooks

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26F309S CE #310 6-62

Notes Ck'd by	Survey of Fern Wood Peak	F. B. 3109	Pg. 45
Map No.	JN 0303.00 Tape 138 Std 84 °F		
Office Work	Surveyed by F. E. Brooks		
Checked	Notes F. E. Brooks Date Feb 63		
Date	Indexed R. J. CALL MAR 7 '63		

J.N. 0303.00

ZD A

FERNWOOD PEAK

TOPANGA – EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

℄ Survey

on

OBSERVATION DRIVE

From Croydon Lane

To Grandview Drive

and ℄ Survey

on

STITES DR. and MONTAU DR.

From Observation Dr.

To end of streets.

F.E. Brooks

K.N. Kapp

G.E. Cook

E. Martinez

C.G. Valdez

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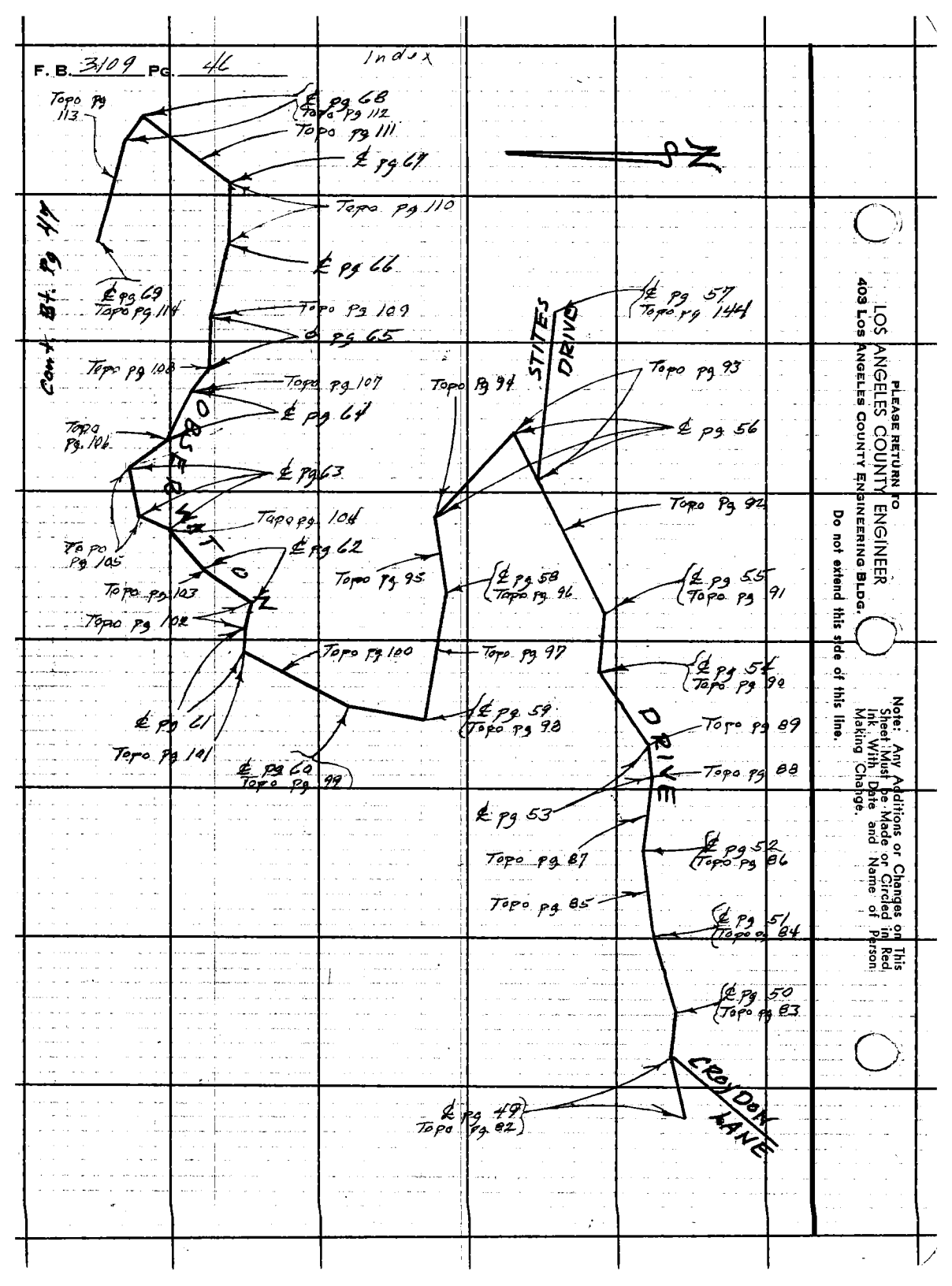
7GF3095 CE # 310 8-61

F. B. 3109 Pg. 46

Index



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Map No.		JN 0303.00 Tape 138 Std 84 °F	
Office Work		Surveyed by F. E. Brooks	
Checked		Notes F. E. Brooks Date Feb 63	
Date		Indexed E. J. GALLI	

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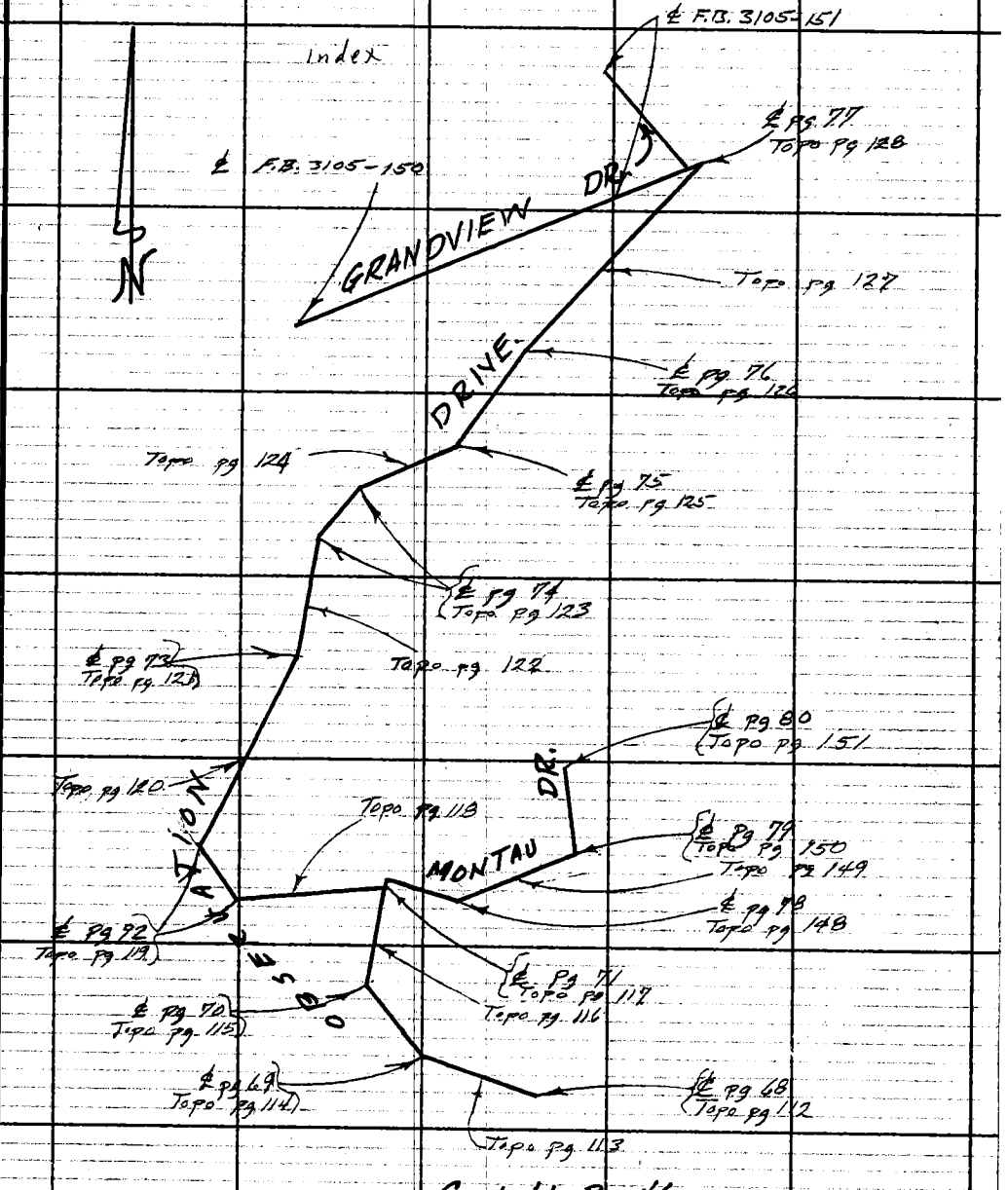
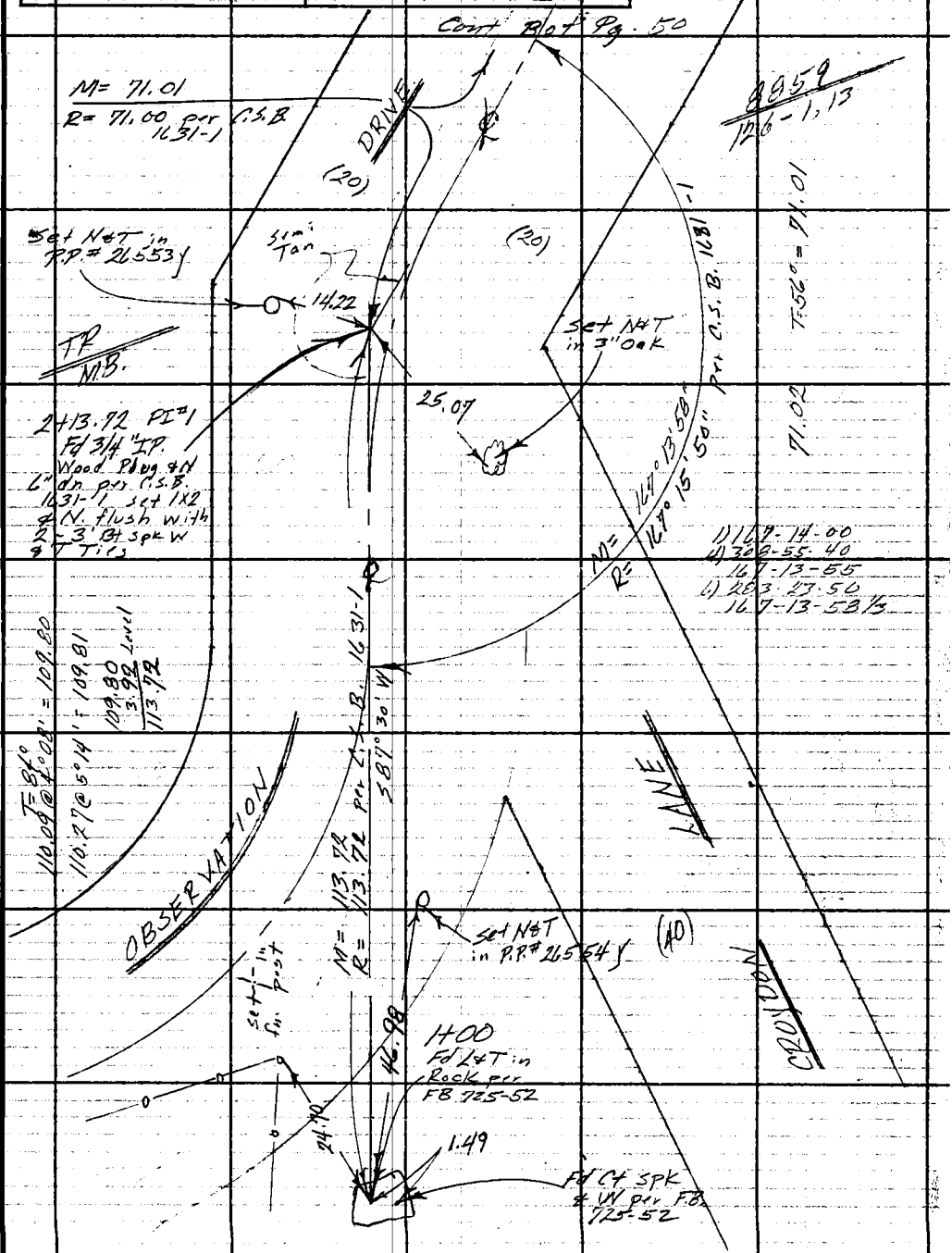


Cont 4 Pg 46

Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 1303.00 Tape 138 Std 84 °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 6 Feb 63
Date	Indexed C. J. GALLI MAR 7 '63

F. B. 3109 Pg. 49



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W.S. 89 C-4

76F309S CE # 310 3-61

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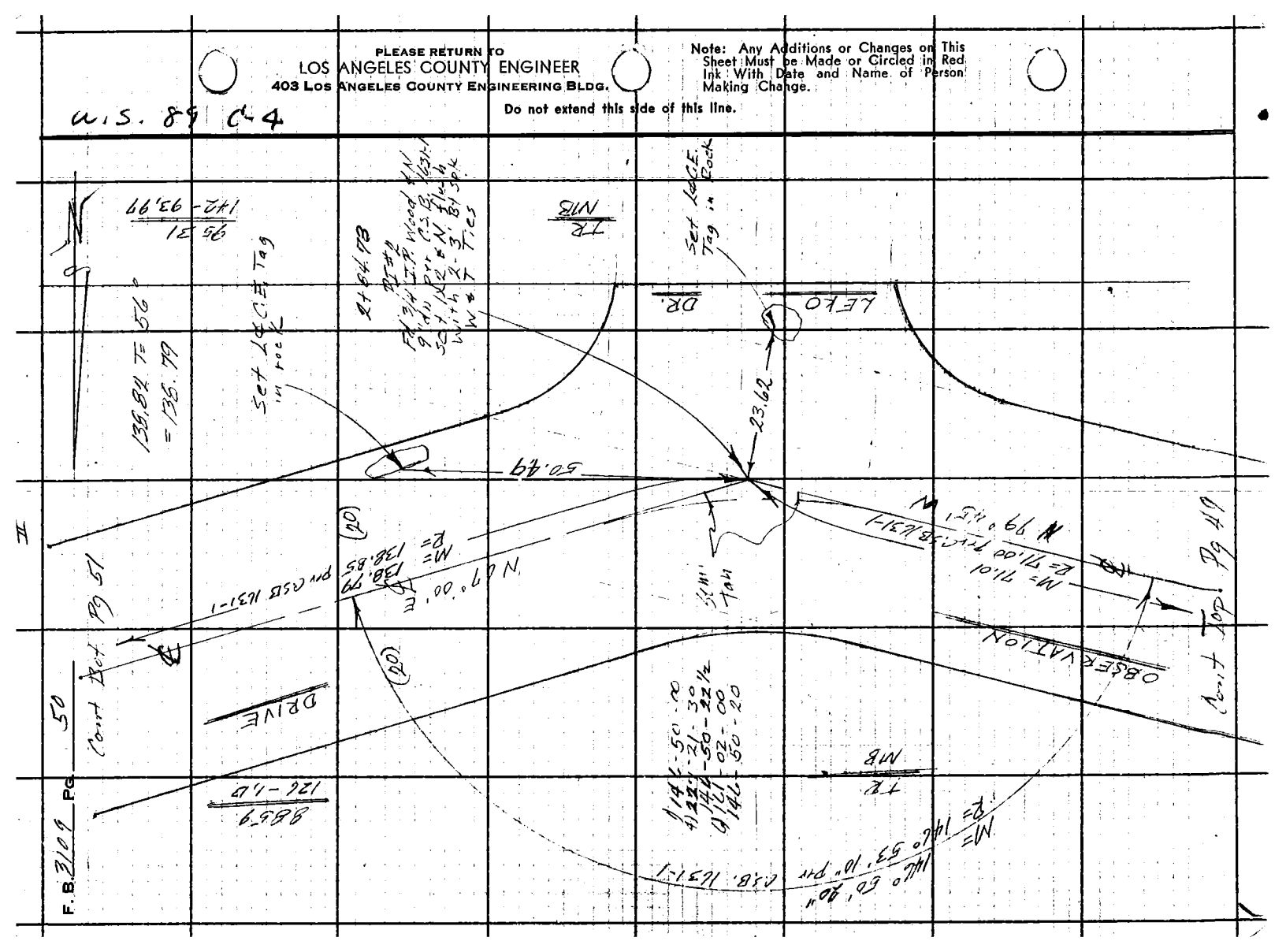
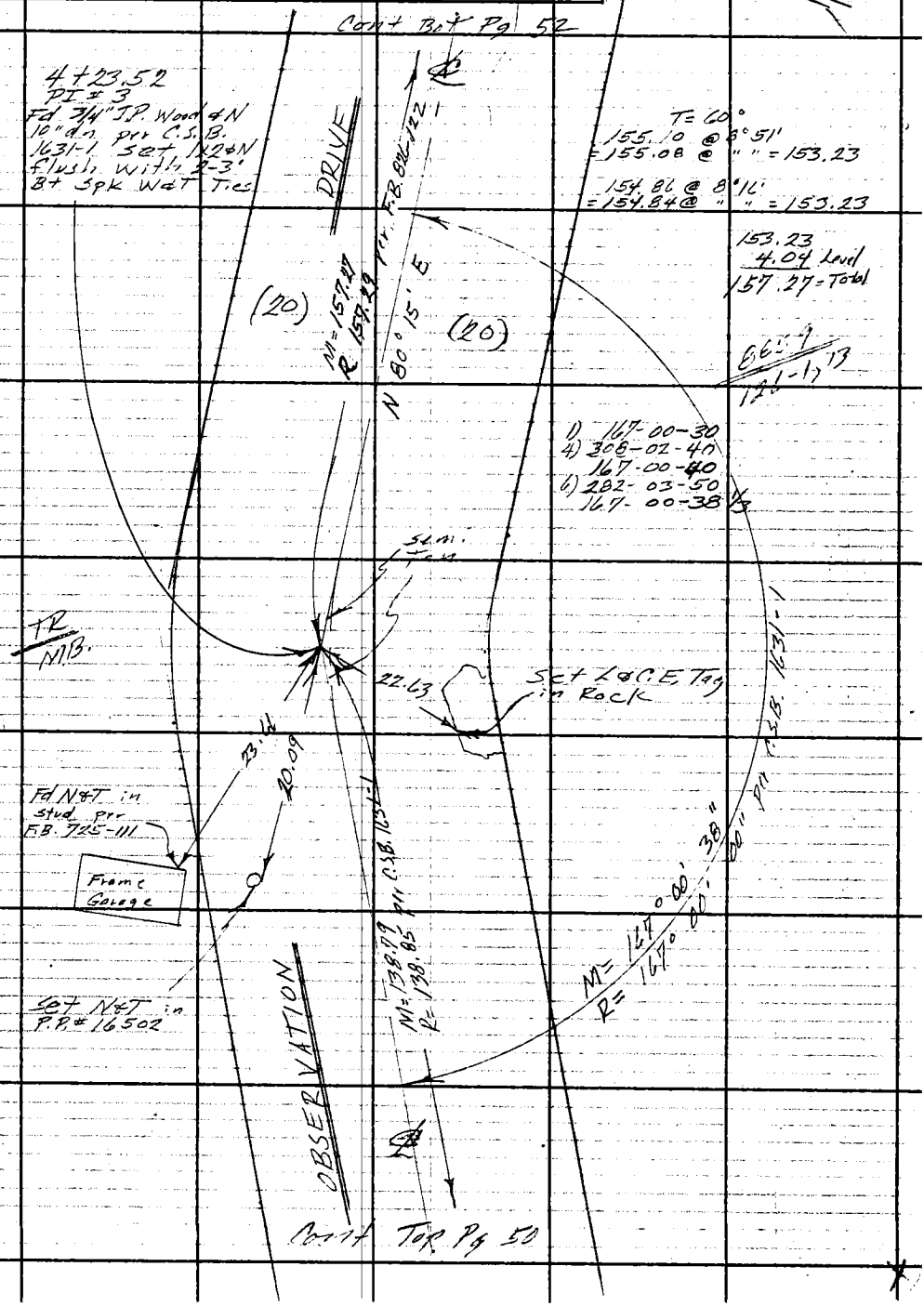
W.S. 89 C4



Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0307.00 Tape 138 Std 84° °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 8 Feb 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 51

Cont Bot Pg 52



Cont Top Pg 50

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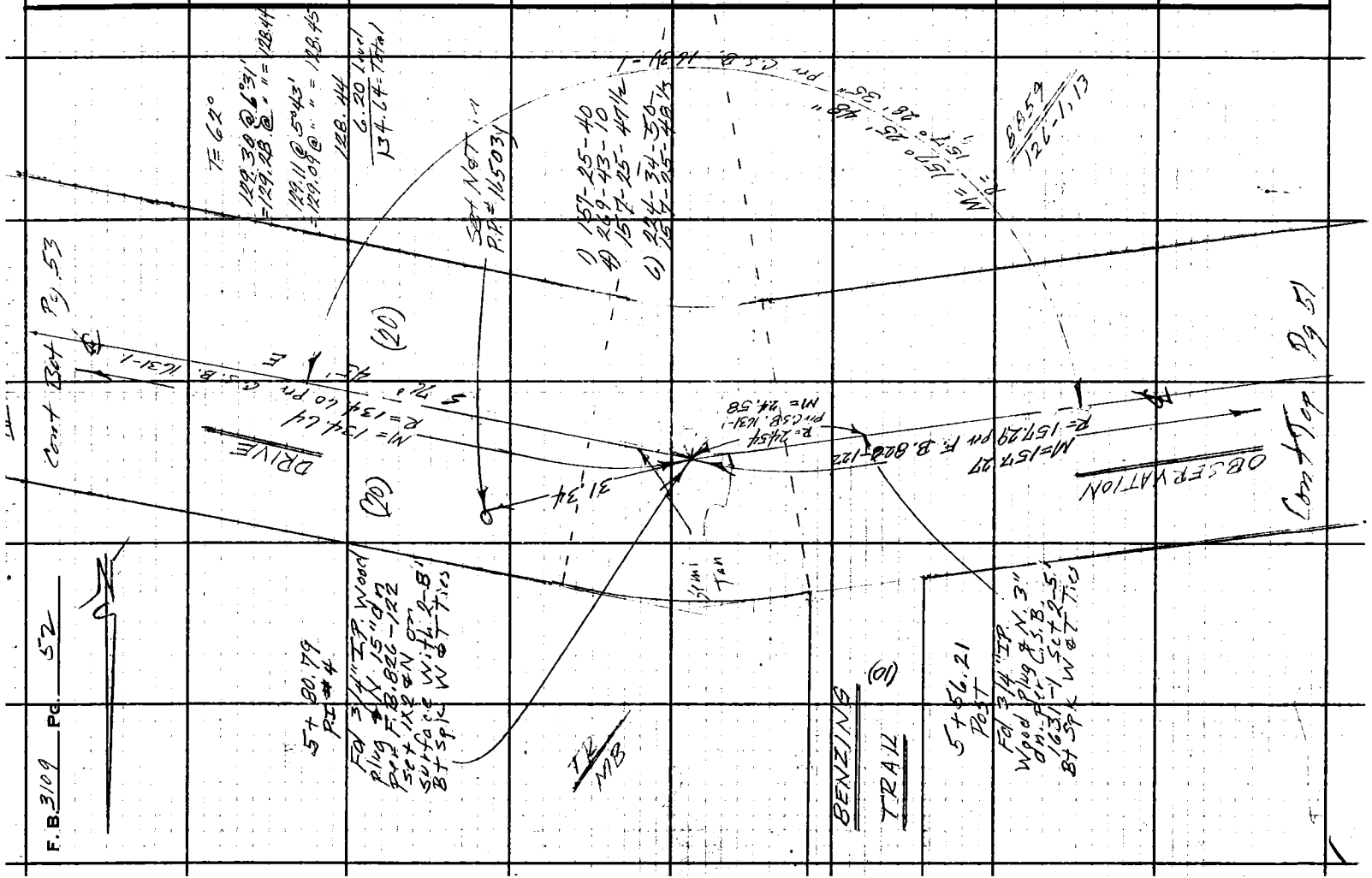
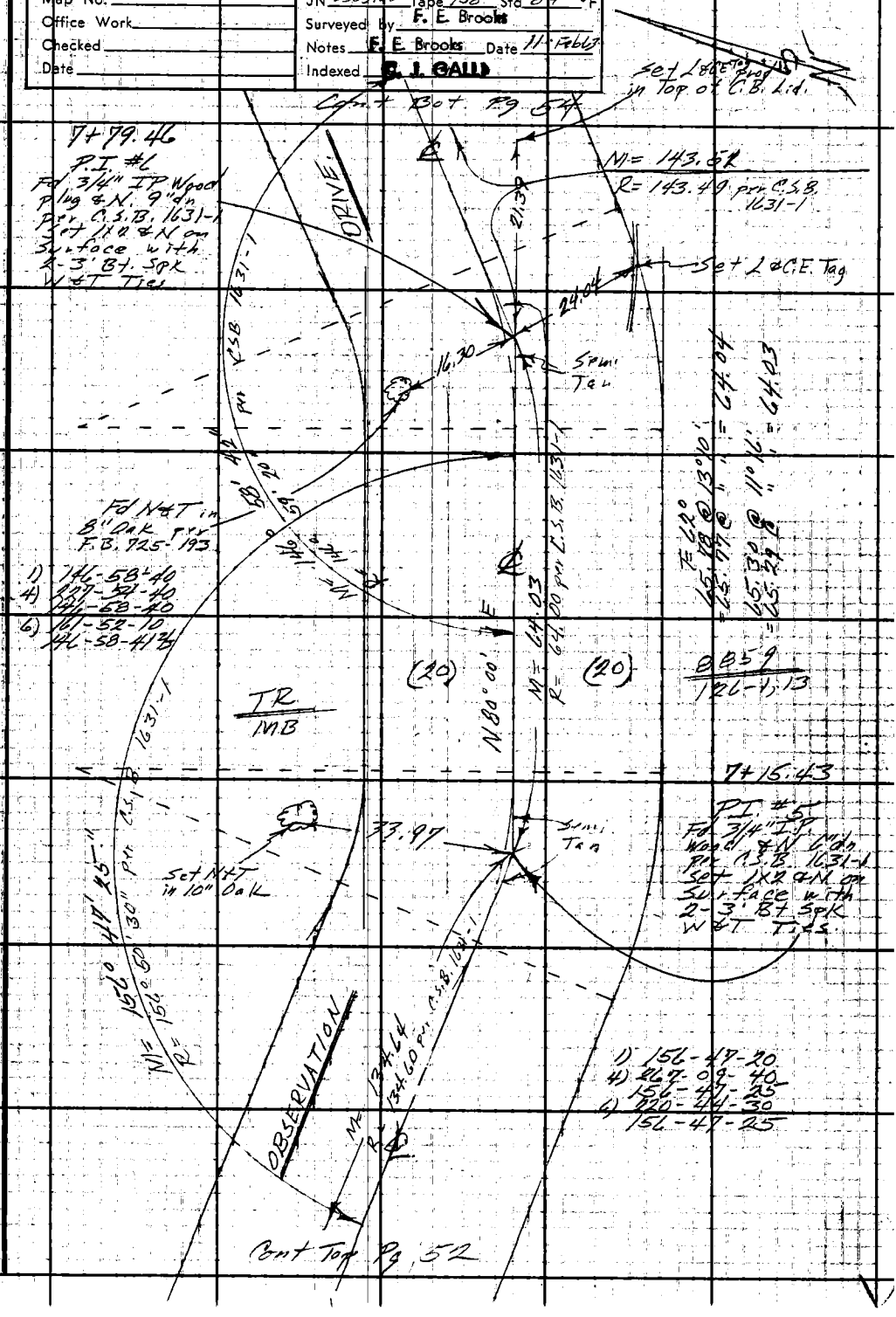
W.S. 89 C-4



V

Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0303.00 Tape 138 Std 84° °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 11-Feb63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 53



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U.S. 89 C-4

76F309S C.E. #310 6-62

F. B 3109 Pg. 54

Cont Bot Pg. 55

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Map No.	JN 0303.00 Tape 138 Std 68 °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 11 Feb 63
Date	Indexed C. J. GALL

F. B. 3109 PG. 55

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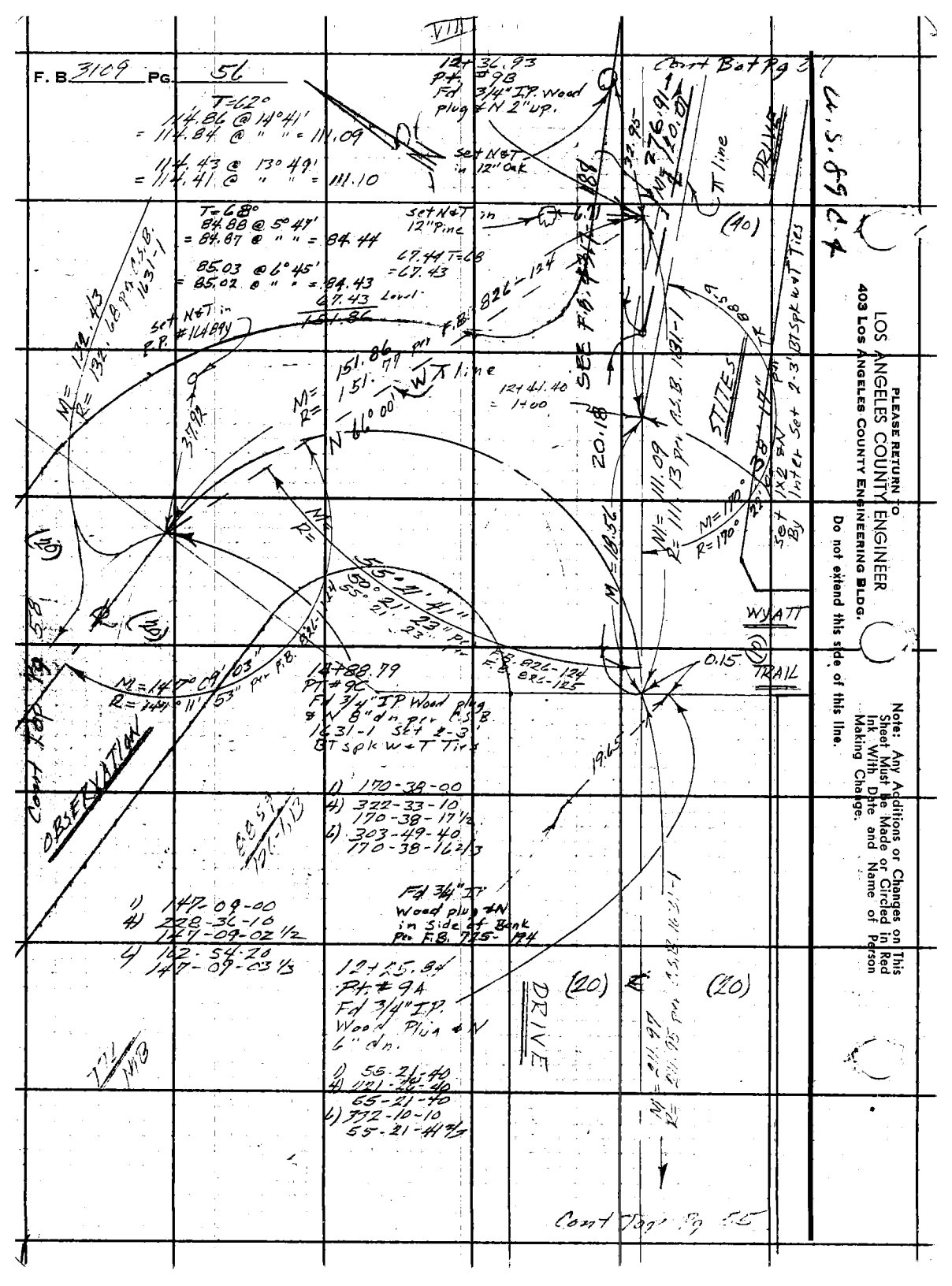
76F309S CE #310 6-62

W.S. 89 C-9


F. B. 3109 PG. 56
VIII
Cont Bot Pg 57
12+36.93
Pt. #9B
Fd 3/4" I.P. Wood plug & N 2" up.
T=62°
114.86 @ 14°41'
= 114.84 @ " " = 111.09
114.43 @ 13°49'
= 114.41 @ " " = 111.10
Set N&T in 12" Oak
T=68°
84.88 @ 5°47'
= 84.87 @ " " = 84.44
85.03 @ 6°45'
= 85.02 @ " " = 84.43
67.43 Level
151.86
Set N&T in 12" Pine
67.44 T=68
=67.43
Set N&T in P.P. #164894
M= 132.43
R= 132.68 per C.S.B. 1631-1
M= 151.86 per F.B. 826-124
R= 151.77
W T line
N 66°00'
12+41.40
= 1+00
SEE F.B. 826-124
20.18
M= 111.09
R= 111.13 per C.S.B. 1631-1
M= 170°
R= 170°
Set 1x2 & N Inter Set 2-3' BT Spk w&T Ties
STITES
DRIVE
π line
(40)
(20)
(20)
(10)
WYATT
TRAIL
0.15
M= 18.56
M=147°09'03"
R=147°11'53" per F.B. 826-124
55°21'41"
50°21'23" per F.B. 826-124
55°21'23" per F.B. 826-125
14+88.79
PT #9C
Fd 3/4" IP Wood plug & N 8" dn. per C.S.B. 1631-1 Set 2-3' BT spk w&T Ties
19.65
1) 170-38-00
4) 322-33-10
170-38-17 1/2
6) 303-49-40
170-38-16 2/3
Fd 3/4" IP Wood plug & N in Side of Bank per F.B. 725-194
1) 147-09-00
4) 228-36-10
147-09-02 1/2
6) 162-54-20
147-09-03 1/3
12+25.84
Pt. #9A
Fd 3/4" I.P. Wood Plug & N 6" dn.
1) 55-21-40
4) 121-28-40
55-21-40
6) 332-10-10
55-21-41 2/3
DRIVE
(20)
(20)
M= 211.97
R= 211.95 per C.S.B. 1631-1
OBSERVATION
Cont Top Pg 58
Cont Top Pg 55
U.S. 89 C.4
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IX

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

Survey of Fernwood Peak
JN 0303.00 Tape 138 Std 84 °F
Surveyed by F. E. Brooks
Notes F. E. Brooks Date 4 Feb 63
Indexed E. J. CALLI

F. B. 3109 Pg. 57

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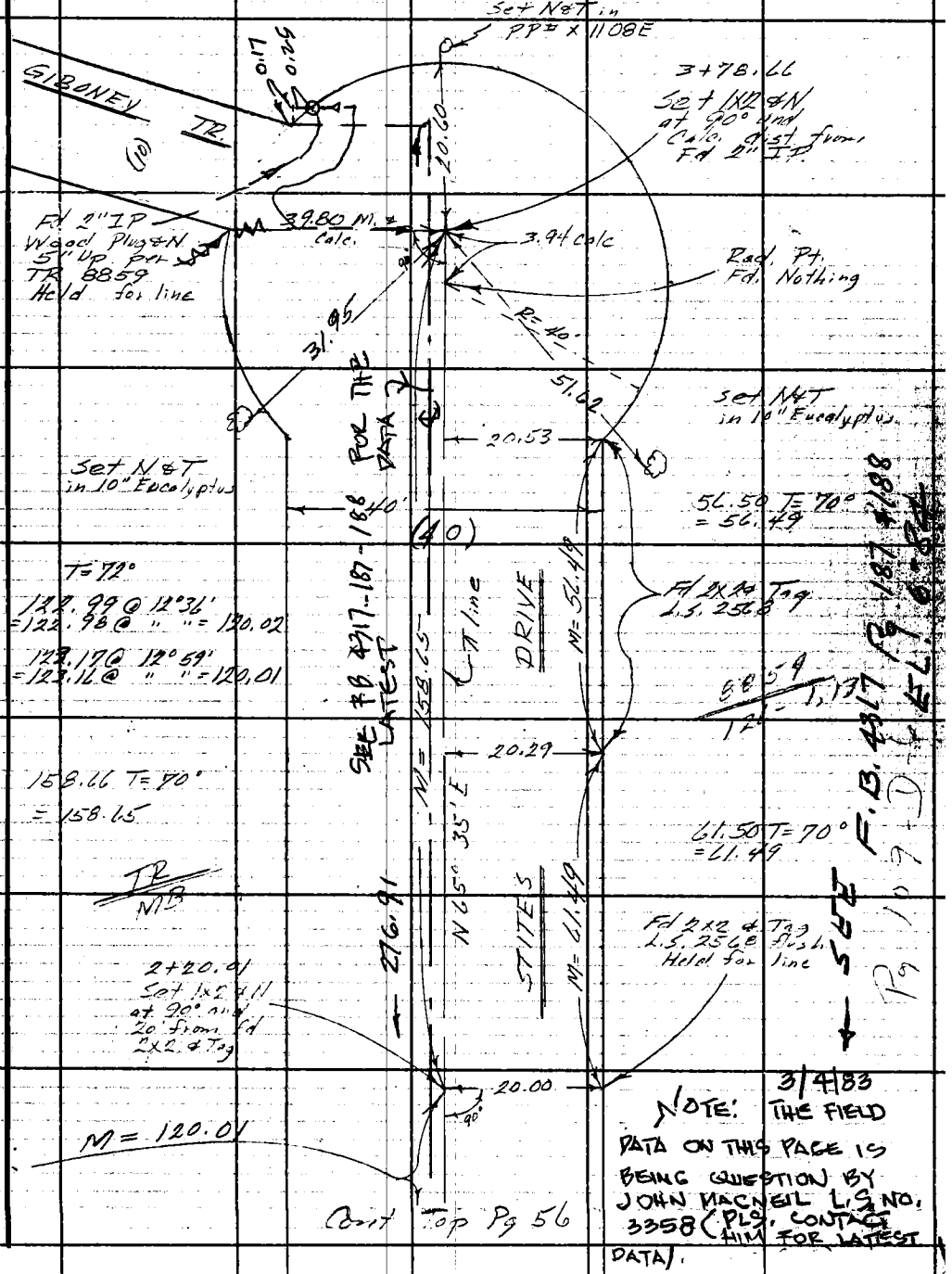
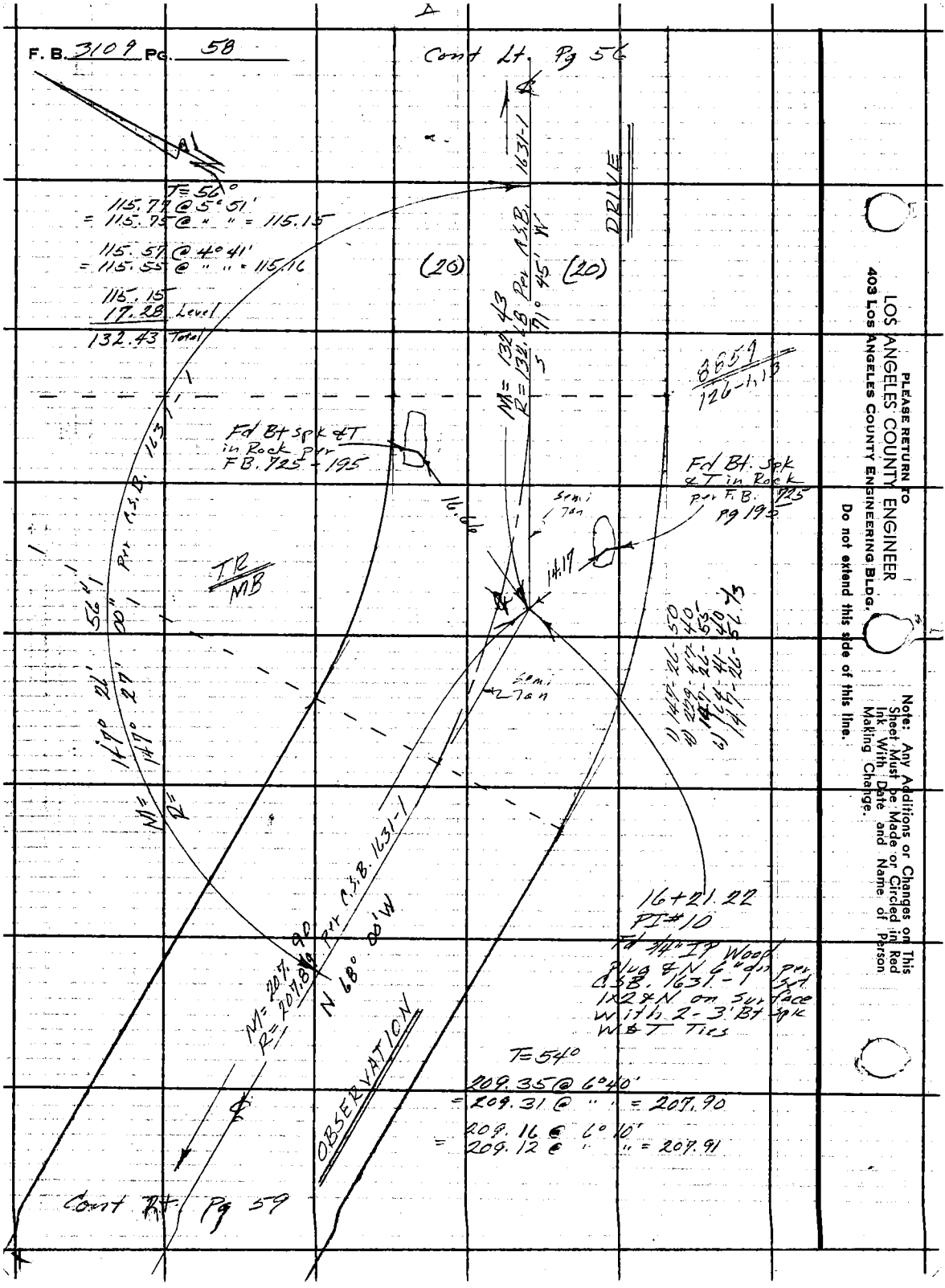


NOTE: 3/4/83 THE FIELD DATA ON THIS PAGE IS BEING QUESTION BY JOHN MACNEIL L.S. NO. 3358 (PLS, CONTACT HIM FOR LATEST DATA).

76F3095 CE # 310 3-61

F. B. 3109 Pg. 58



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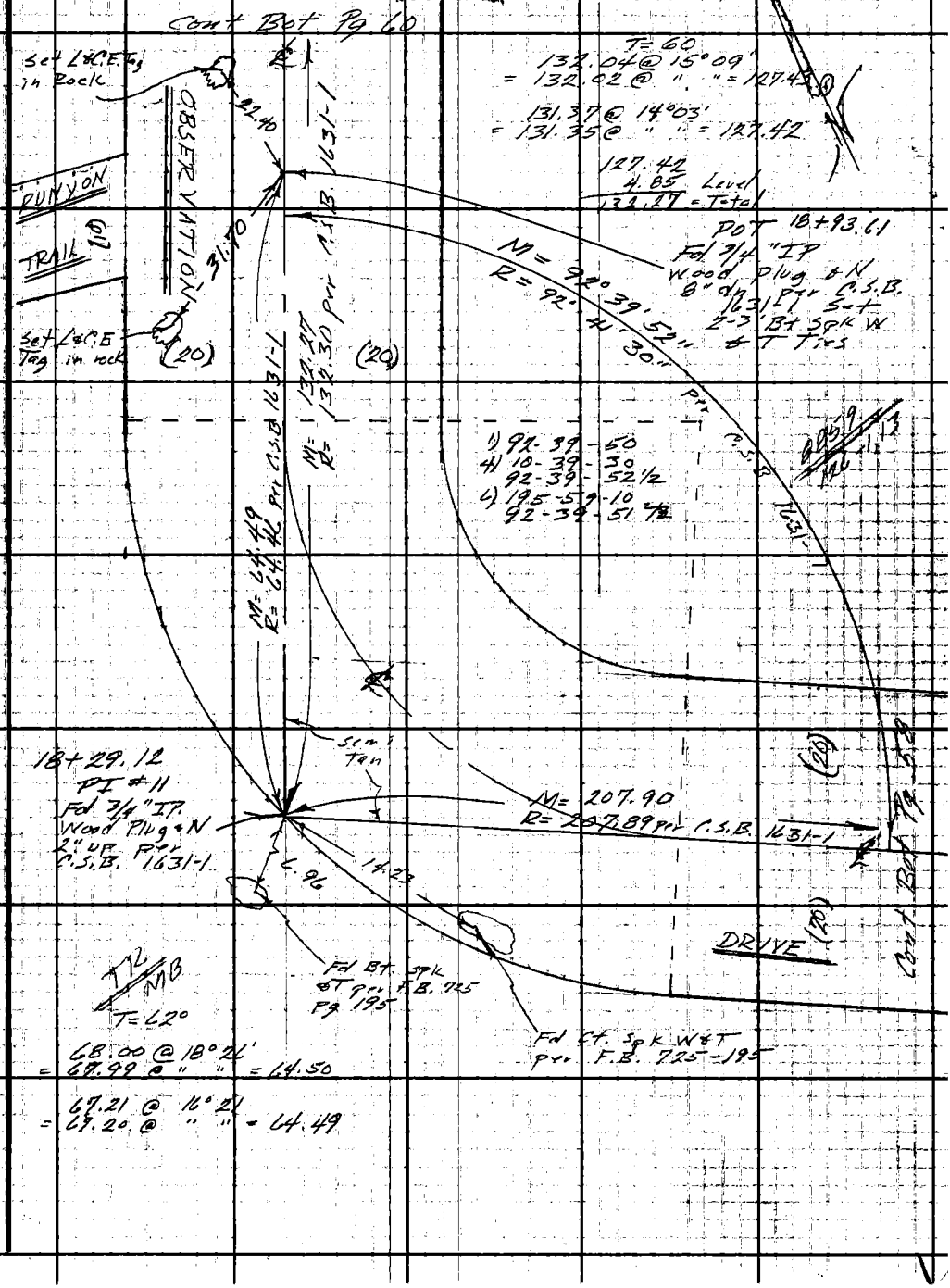
XI

Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 PG. 59
Map No.	JN 0303.00 Tape 138 Std 84 °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 15 Feb 63	
Date	Indexed R. J. BALLI	



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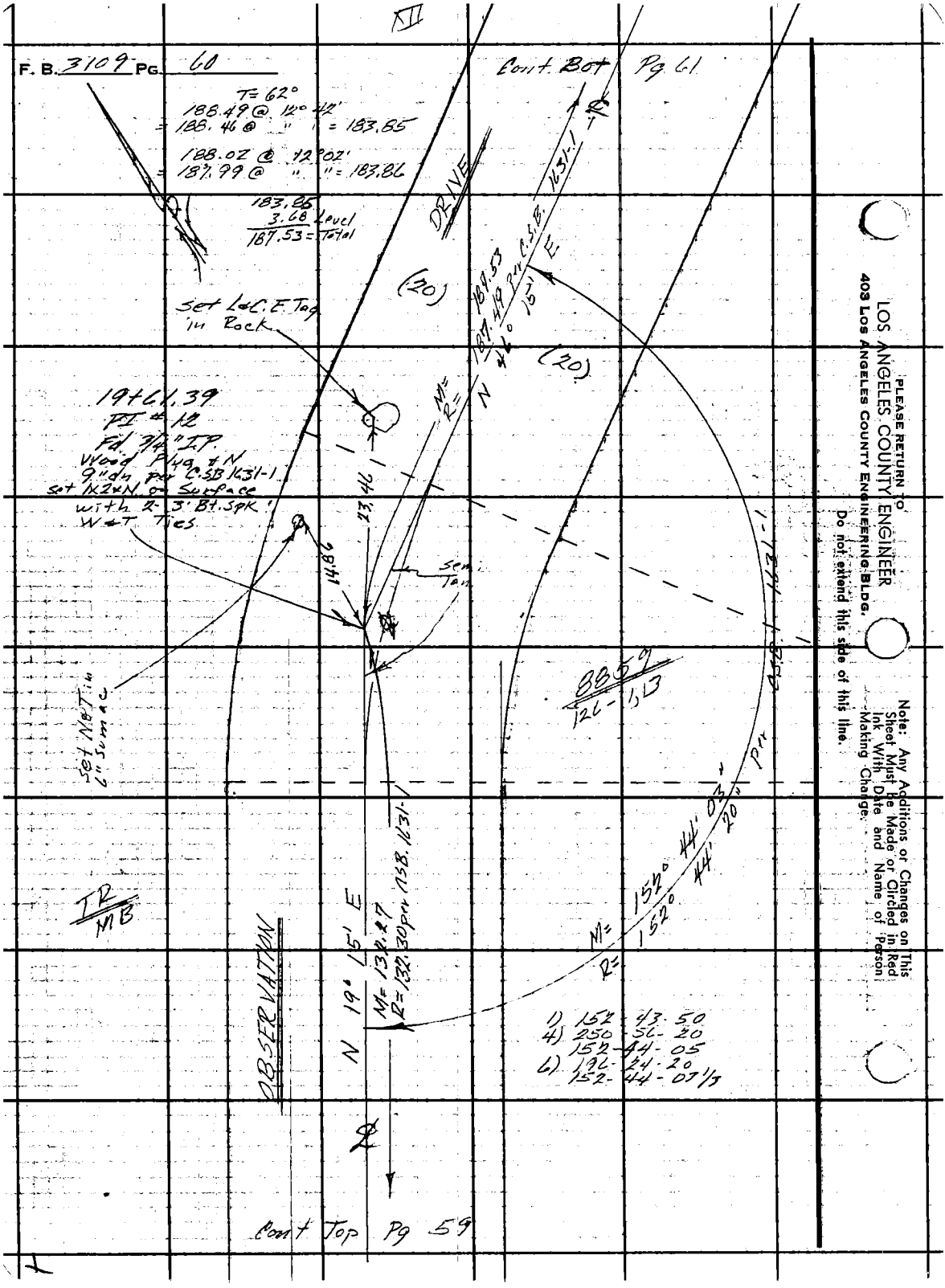
W.S. 89 C4

76F309S C.E. #310 6-62


F. B. 3109 PG. 60
Cont. Bot Pg 61
T= 62°
188.49 @ 12° 42'
= 188.46 @ " " = 183.85
188.02 @ 12° 02'
= 187.99 @ " " = 183.86
183.85
3.68 Level
187.53 = Total
DRIVE
(20)
(20)
Set L&C.E. Tag in Rock
19+61.39
PI # 12
Fd 3/4" I.P.
Wood Plug & N
9" dn per C.S.B. 1631-1
set 1x2x N on Surface
with 2-3' Bt. Spk
W&T Ties
23.46
14.82
Semi Tan
Set N&T in 6" Sumac
8859
126-1,13
TR
MB
OBSERVATION
N 19° 15' E
M= 132.27
R= 132.30 per CSB 1631-1
M= 152° 44' 03"
R= 152° 44' 20" per CSB 1631-1
1) 152-43-50
4) 250-56-20
152-44-05
6) 196-24-20
152-44-07 1/3
Cont Top Pg 59
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XIII

Notes Ck'd by	Survey of Fernwood Park
Map No.	JN 0303.00 Tape 138 Std 84° °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 15 Feb 63
Date	Indexed G. J. GALLI

F. B. 3109 PG. 61

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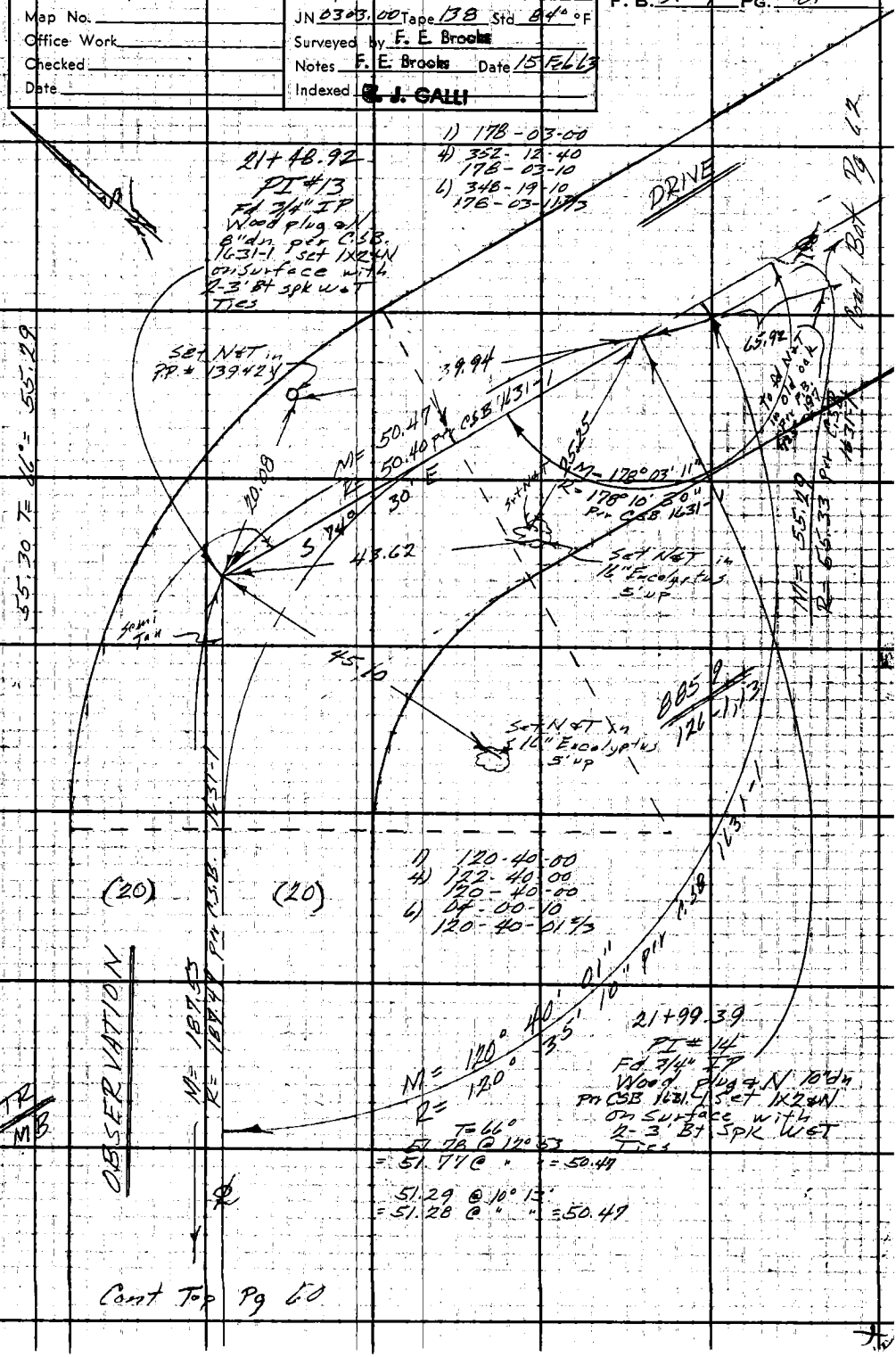
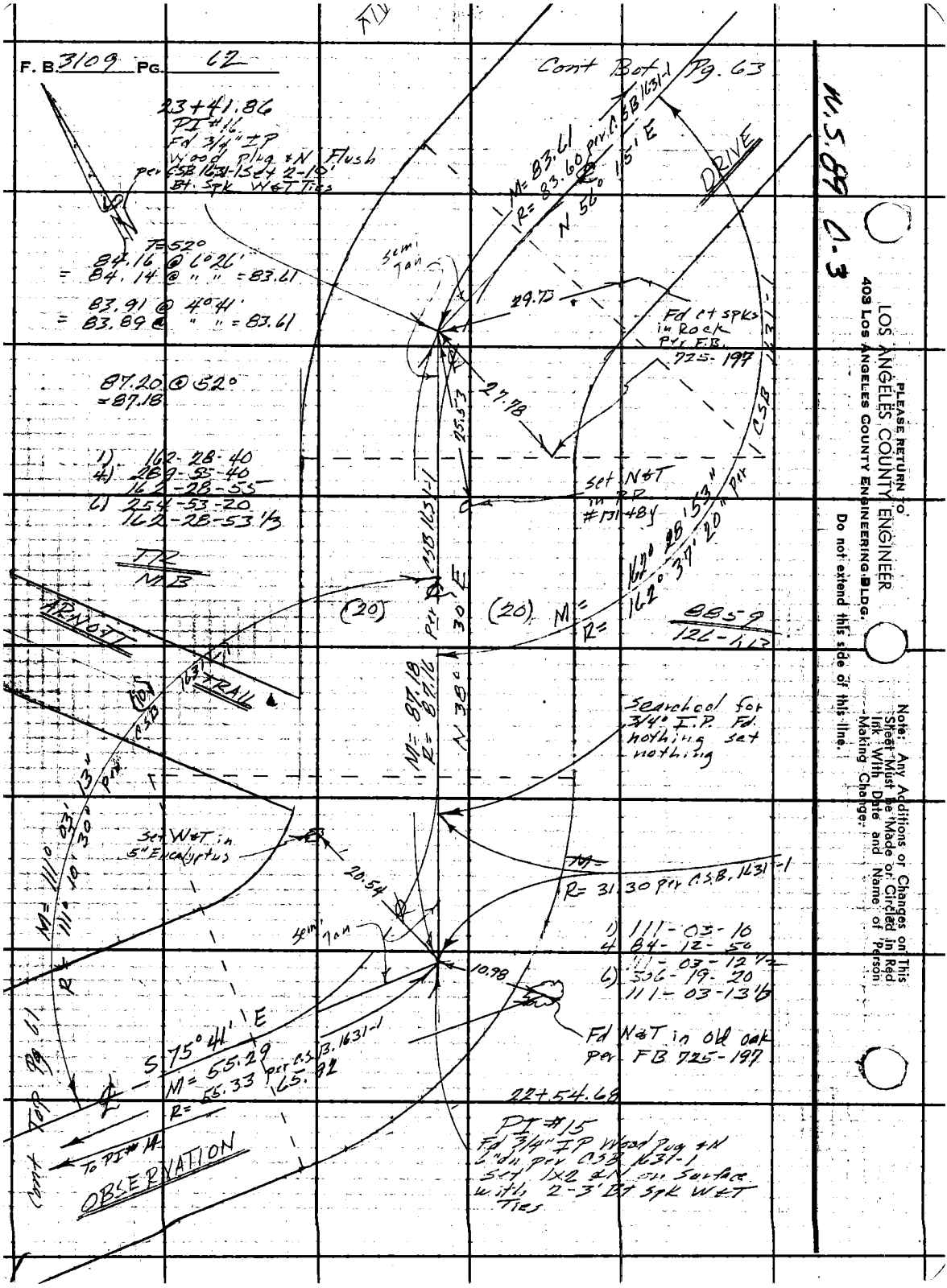
76F 3095 CE #310 8-62




F. B. 3109 PG. 62
Cont Bot Pg. 63
23+41.86
PI #16
Fd 3/4" IP
Wood Plug & N Flush
per CSB 1631-1 Set 2-10'
Bt. Spk W&T Ties
T=52°
84.16 @ 6°26'
= 84.14 @ " " = 83.61
83.91 @ 4°41'
= 83.89 @ " " = 83.61
87.20 @ 52°
= 87.18
1) 162-28-40
4) 289-55-40
162-28-55
6) 254-53-20
162-28-53 1/3
TR
MB
ARNOTT
TRAIL
(20)
(20)
M= 83.61
R= 83.60 per CSB 1631-1
N 56° 15' E
DRIVE
Semi Tan
29.73
Fd ct spks in Rock per F.B. 725-197
27.78
25.53
Set N&T in RR #131 48y
M= 162° 28' 53"
R= 162° 37' 20" per CSB 1631-1
M= 87.18
R= 87.16 per CSB 1631-1
N 38° 30' E
Searched for 3/4" I.P. Fd. nothing set nothing
Set W&T in 5" Eucalyptus
20.54
M= 111° 03' 13"
R= 111° 10' 30" per CSB 1631-1
M=
R= 31.30 per C.S.B. 1631-1
1) 111-03-10
4 84-12-50
111-03-12 1/2
6) 306-19-20
111-03-13 1/3
Semi Tan
10.98
Fd N&T in old oak per FB 725-197
S 75° 41' E
M= 55.29
R= 55.33 per C.S.B. 1631-1
65.92
22+54.68
PI #15
Fd 3/4" IP Wood Plug & N
6" dn per CSB 1631-1
Set 1x2 & N on Surface
with 2-3' Bt Spk W&T
Ties
To PI #14
OBSERVATION
Cont Top Pg 61
W.S. 89 C-3
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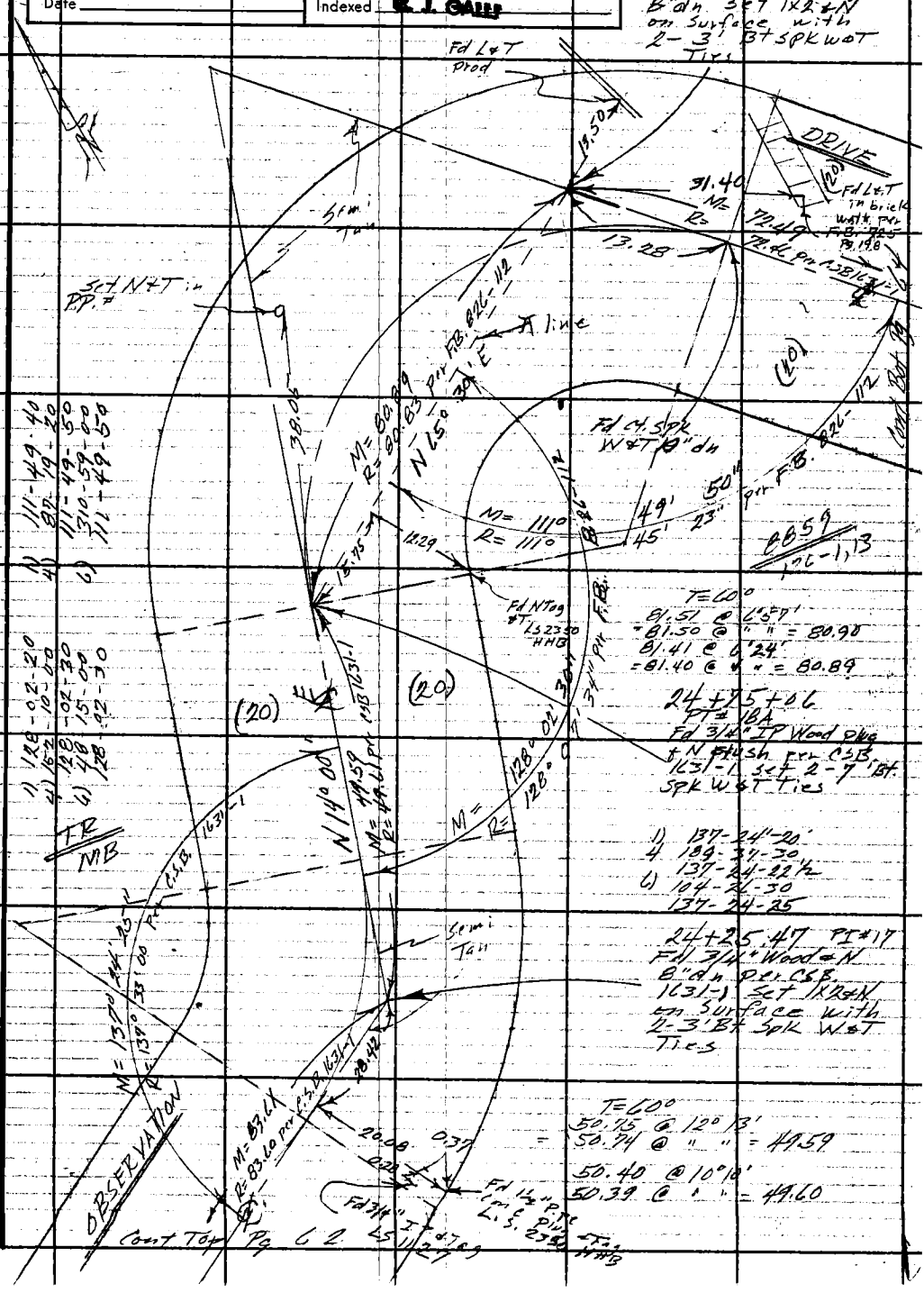
Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 PG. 63
Map No.	JN 0303.00 Tape 138 Std 84 °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 18 Feb 63	
Date	Indexed R. J. GALLI	



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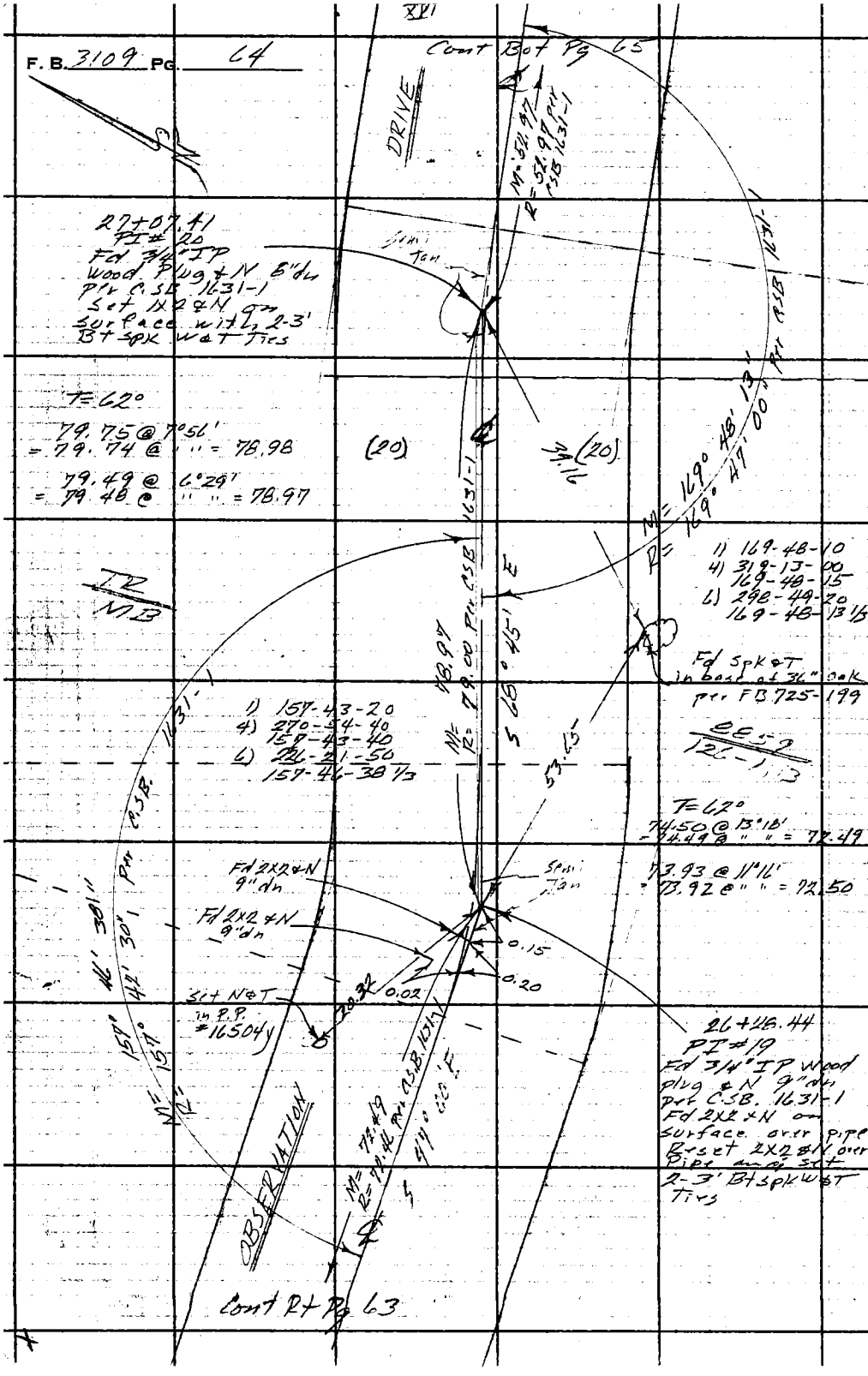
CW.S.89 C-3

76F3095 CE # 310 3-61

F. B. 3109 PG. 64



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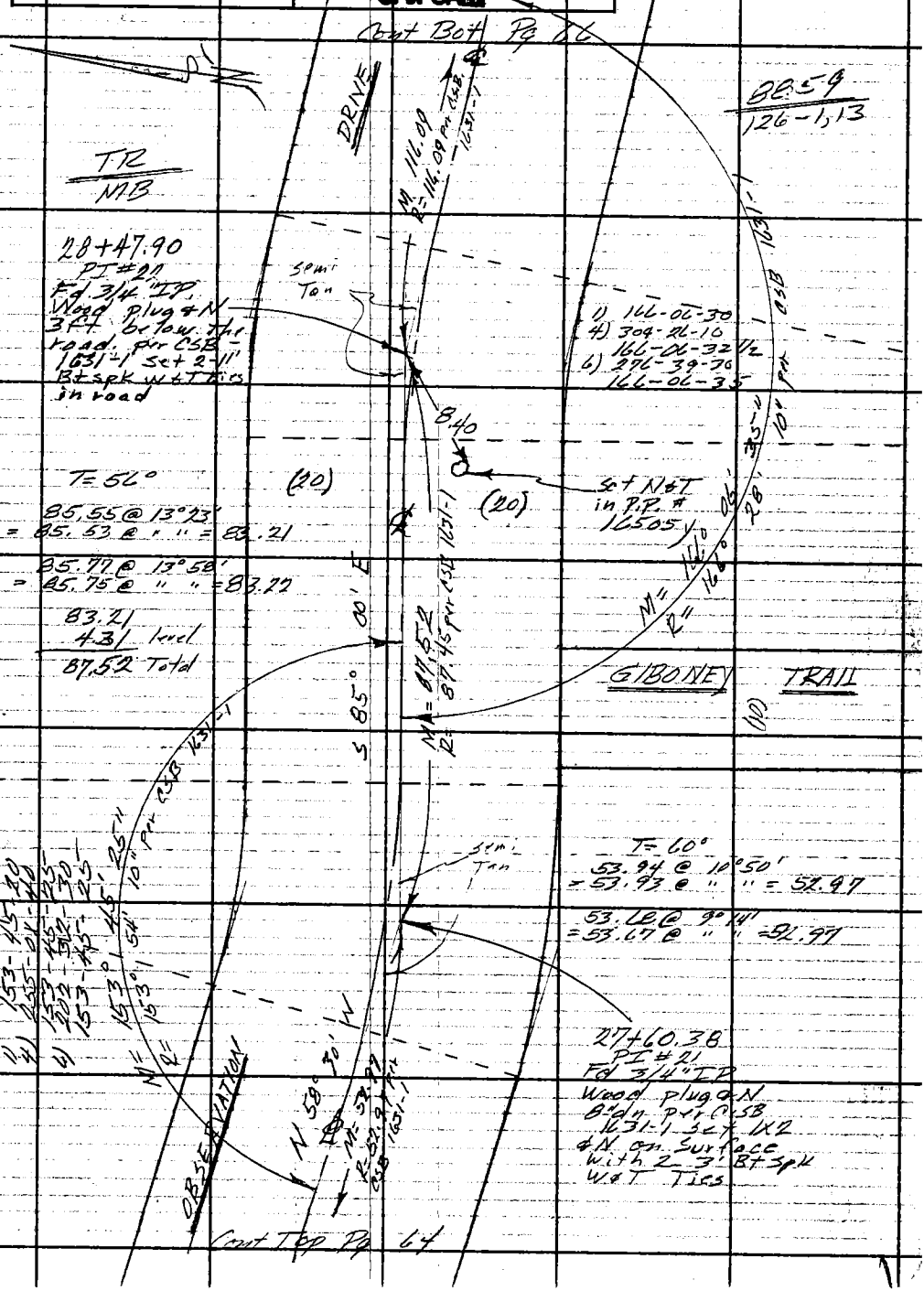
Notes Ck'd by	Survey of Fern Wood Peak	F. B. 3109 Pg. 65
Map No.	JN 0303.00 Tape 138 Std 84 °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 18 Feb 63	
Date	Indexed C. J. GALL	



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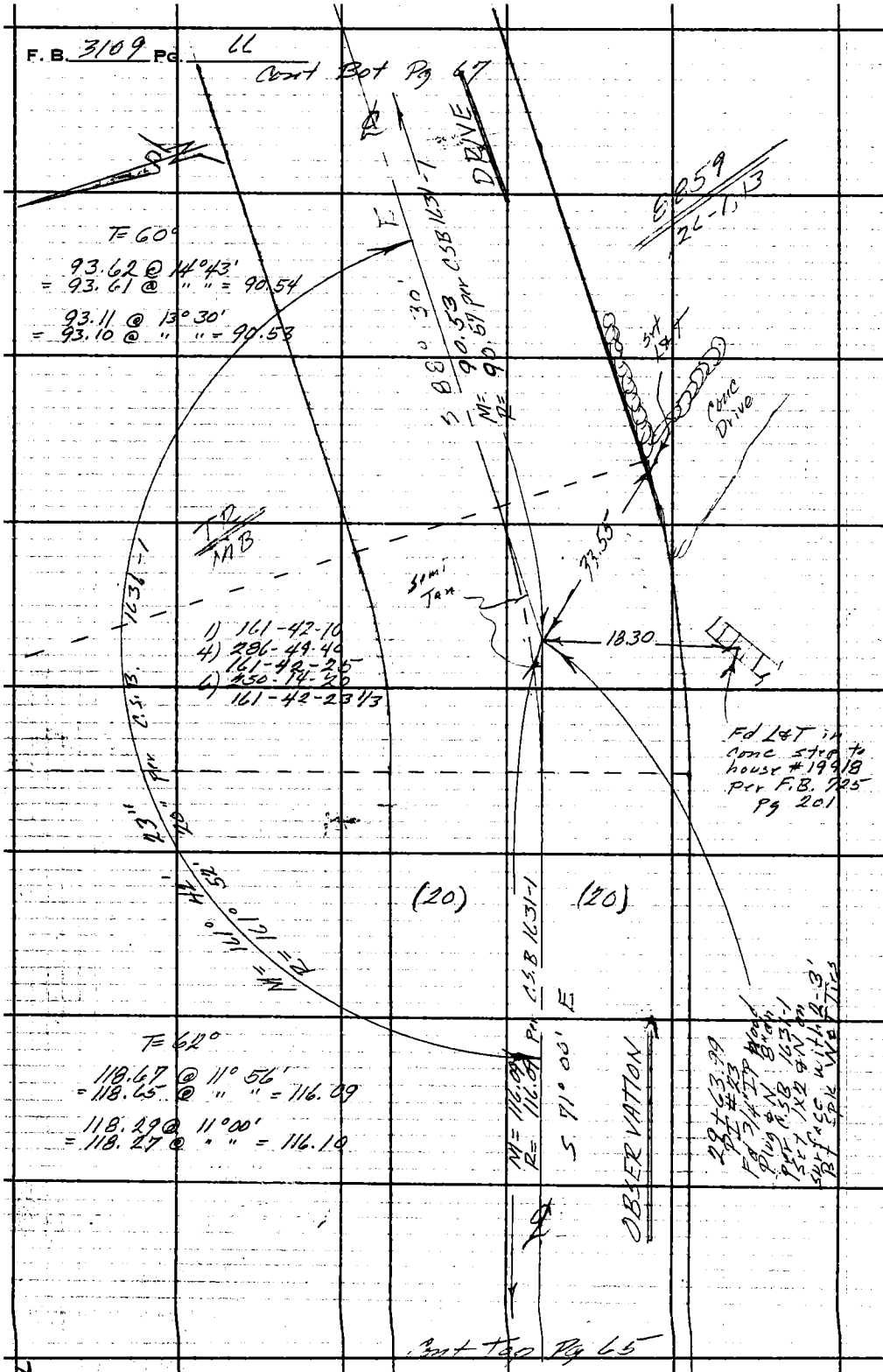
W.S. 89 C-3

76F3095 CE # 310 3-61

F. B. 3109 Pg. 66

Cont Bot Pg 67



Cont Top Pg 65

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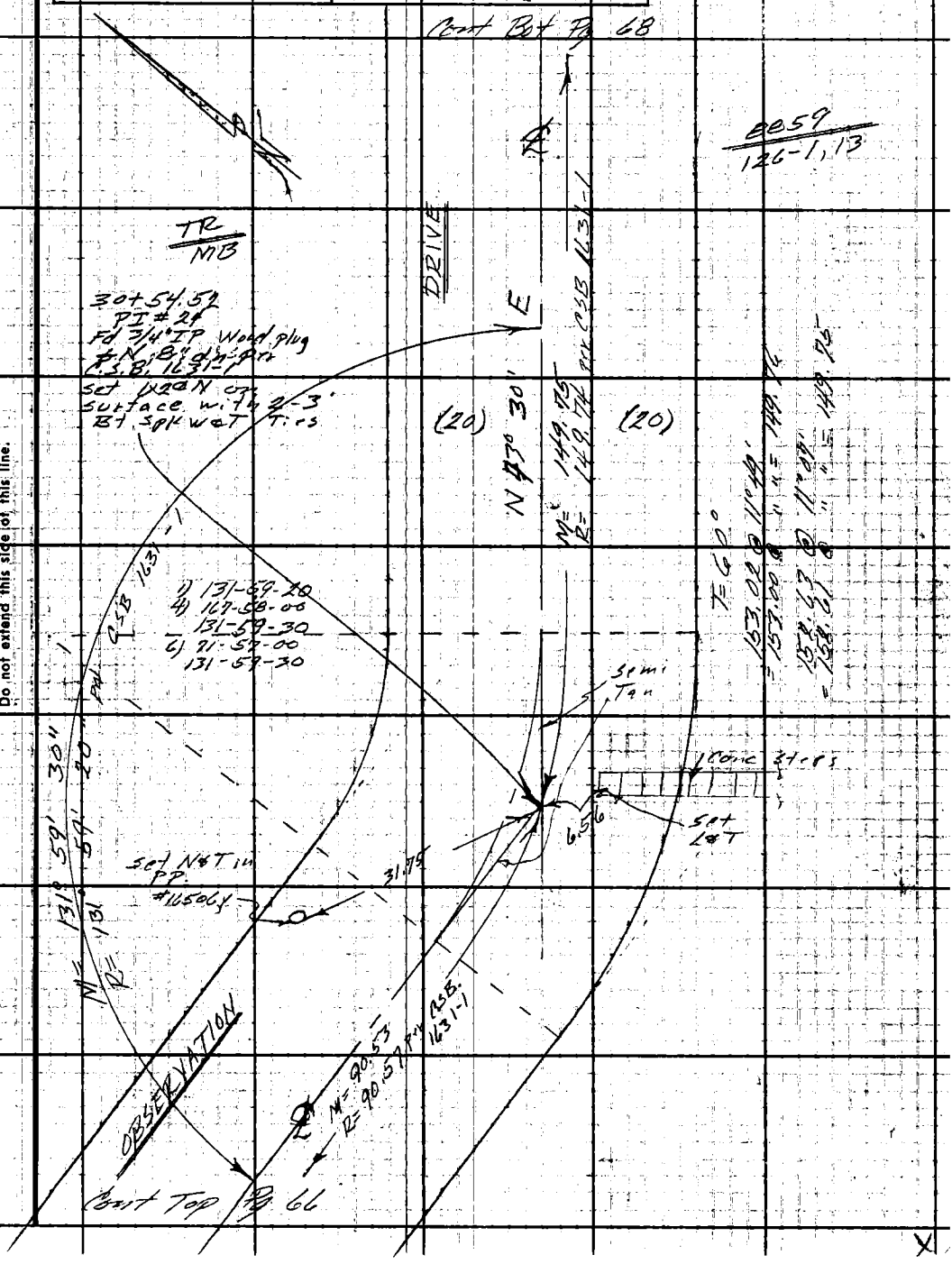
Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0303.00 Tape 138 Std 84 °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 19 Feb 62
Date	Indexed [illegible]

F. B. 3109 PG. 67

Cont Bot Pg 68



Cont Top Pg 66

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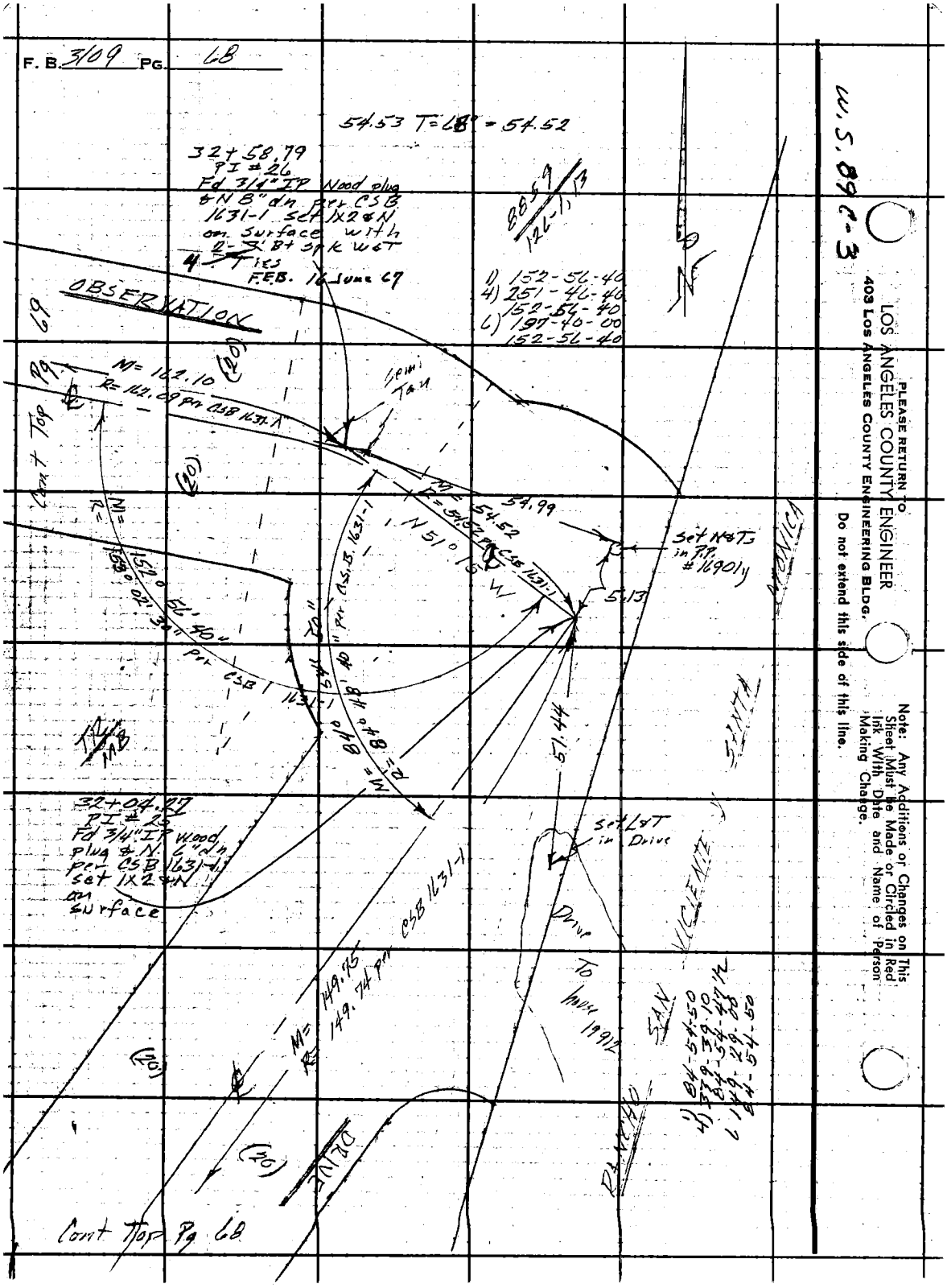
76F309S CE #310 6-62


F. B. 3109 PG. 68
54.53 T=68° = 54.52
32+58.79
PI #26
Fd 3/4" IP Wood plug
& N 8" dn per CSB
1631-1 set 1X2 & N
on surface with
2-3' Bt spk W&T
4 Ties
F.E.B. 16 June 67
8859
126-1,13
1) 152-56-40
4) 251-46-40
152-56-40
6) 197-40-00
152-56-40
OBSERVATION
69
Cont Top Pg
M= 162.10
R= 162.09 per CSB 1631-1
(20)
Semi Tan
M= 54.52
R= 54.52 per CSB 1631-1
N 51° 15' W
54.99
Set N&Ts in P.P. #16901y
5.13
M= 152° 56' 40"
R= 152° 02' 30" per CSB 1631-1
M= 84° 54' 20"
R= 84° 48' 40" per C.S.B. 1631-1
51.44
32+04.27
PI #25
Fd 3/4" IP wood
plug & N. 6" dn
per CSB 1631-1
set 1X2 & N
on surface
Set L&T in Drive
Drive
To house 19912
M= 149.75
R= 149.74 per CSB 1631-1
(20)
DRIVE
SAN VICENTE
SANTA MONICA
RANCHO
1) 84-54-50
4) 339-39-10
84-54-47½
6) 149-29-00
84-54-50
Cont Top Pg 68
W.S. 89 C-3
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Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0303.00 Tape 133 Std 84 °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 19 Feb 63
Date	Indexed G. J. GALLI

F. B. 3109 PG. 69

2.74

Cont Lt Pg 68

T=70°

163.48 @ 7° 26'
= 163.47 @ " " = 162.10

163.20 @ 6° 38'
= 163.19 @ " " = 162.10

8859
126-1,13

TR
MB

(20) (20)

DRIVE

M= 162.10
R= 162.09 per CSB 1631-1

N 79° 30' W

Set N&T in 12" Oak

Fd L&T per F.B. 725-203

34+20.89
PI #27
Fd 3/4" IP
Wood plug @ N
Flush per CSB 1631-1
Set 2 - 12" Bt. Spk
W&T Ties

1) 136-37-00
4) 186-28-00
136-37-00
6) 99-42-00
136-37-00

Semi Tan

20.91

2.74

M= 136° 37' 00"
R= 136° 37' 00" per CSB 1631-1

23.87

T=62°

115.79 @ 6° 41'
= 115.77 @ " " = 114.98

115.59 @ 5° 47'
= 115.57 @ " " = 114.98

114.98
3.11 Level
118.09 = Total

M= 118.09
R= 118.09 per CSB 1631-1

N 36° 00' W

Set N&T in P.P. # gone

Cont Bot Pg 70

OBSERVATION

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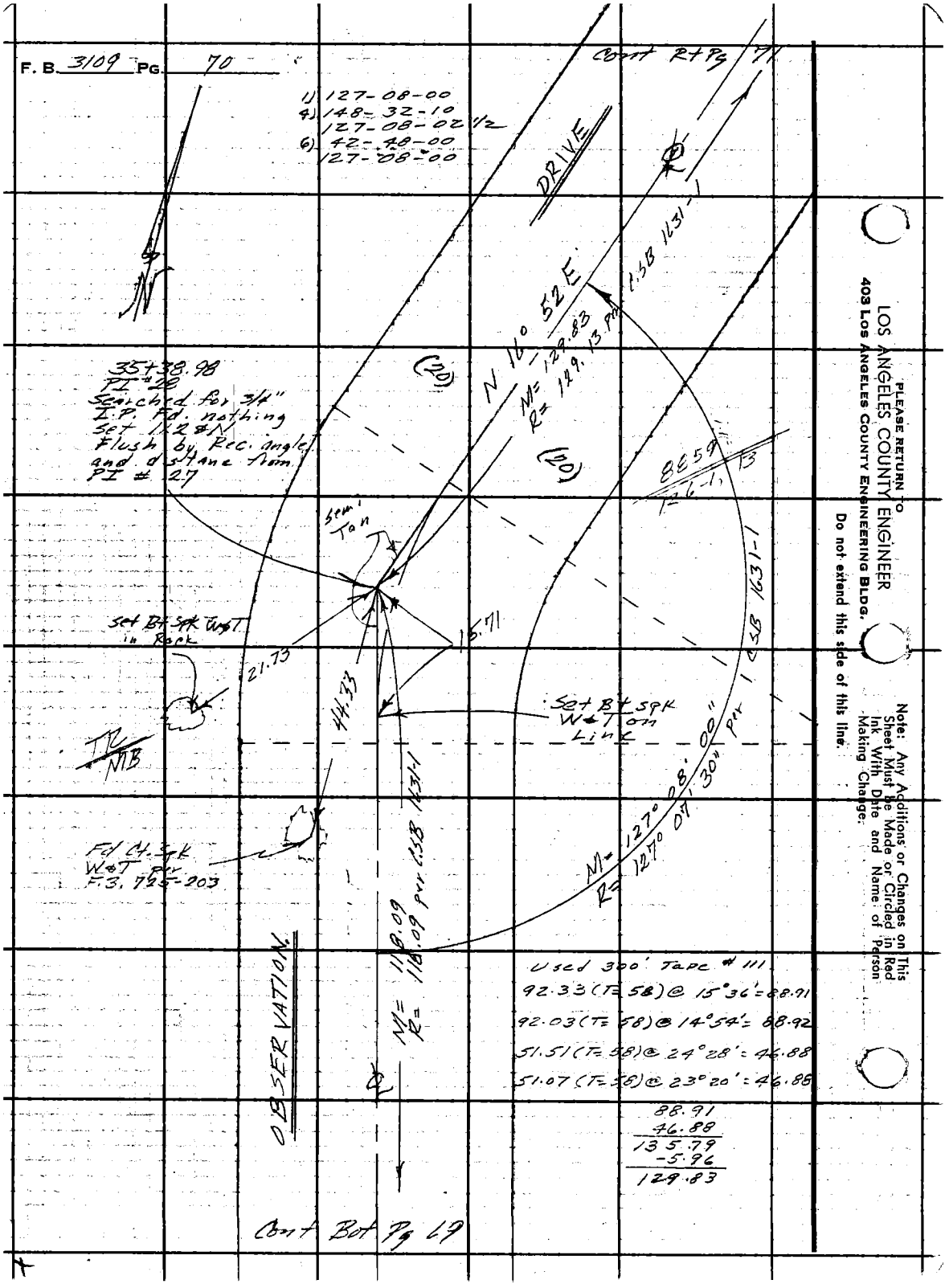
76F309S C.E. #310 6-62

F. B. 3109 PG. 70



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Notes Ck'd by	Survey of *Fernwood Peak*
Map No.	JN *0303.09* Tape *111* Std *84* °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes *F.E.B. & K.M.K.* Date *2-20-63*
Date	Indexed C. J. GAIN

F. B. *3109* PG. *71*

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76F 3095 C.E. #310 6-62

F. B. 3109 PG. 72

Cont Bot Pg 71

60.99 (T=60) @ Lev.=60.98

38+62.32
P.O.T.
Fd. 3/4" I.P. Wood
Pl. & N. dn. 12"
per CSB 1631-1
Set 2-3' Bt. Spk.
W. & T. Ties

TR
M/B

1) 119-27-00
4) 117-48-40
119-27-10
6) 356-42-30
119-27-08 1/3

1) 119-16-40
4) 117-07-05
119-16-20
6) 355-40-20
119-16-43 1/3

95.54 (T=60) @ 8°30' = 94.48
95.58 (T=60) @ 8°30' = 94.48

Cont Bot Pg 73

Fd. L. & T. in Rock Ledge per F.B. 725-208
M= 187.33
R= 187.38 per CSB 1631-1

39+23.30
E.C.
Fd. Cut Spk. W. & T.
dn. 9" per F.B. 725-208
CSB 1631-1 calls for 3/4" I.P.
Set 2-3' Bt. Spk. W. & T. Ties

W.S. 89 C-3

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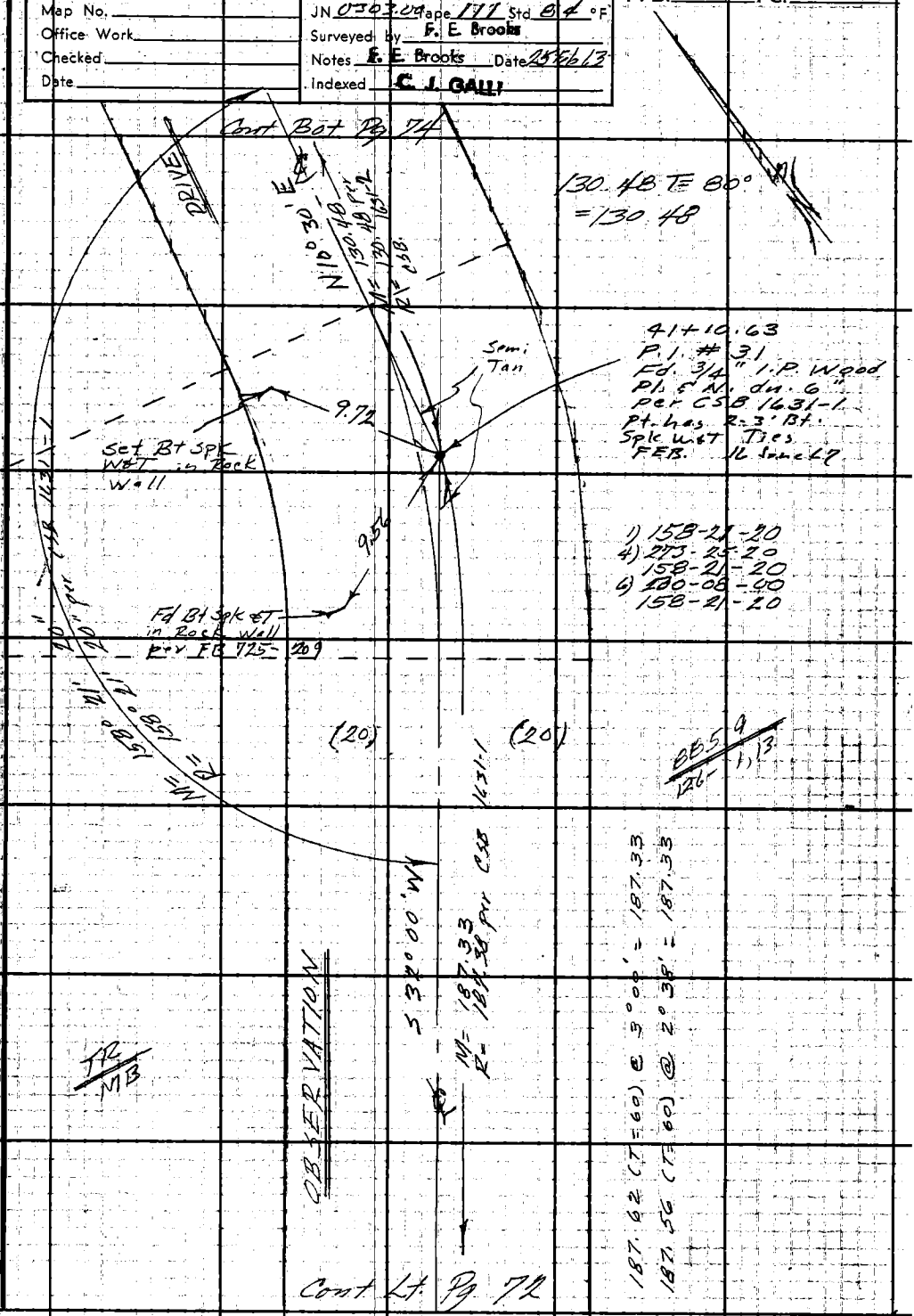
Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0303.00 Tape 177 Std 84 °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 25 Feb 13
Date	Indexed C. J. GALLI

F. B. 3109 PG. 73



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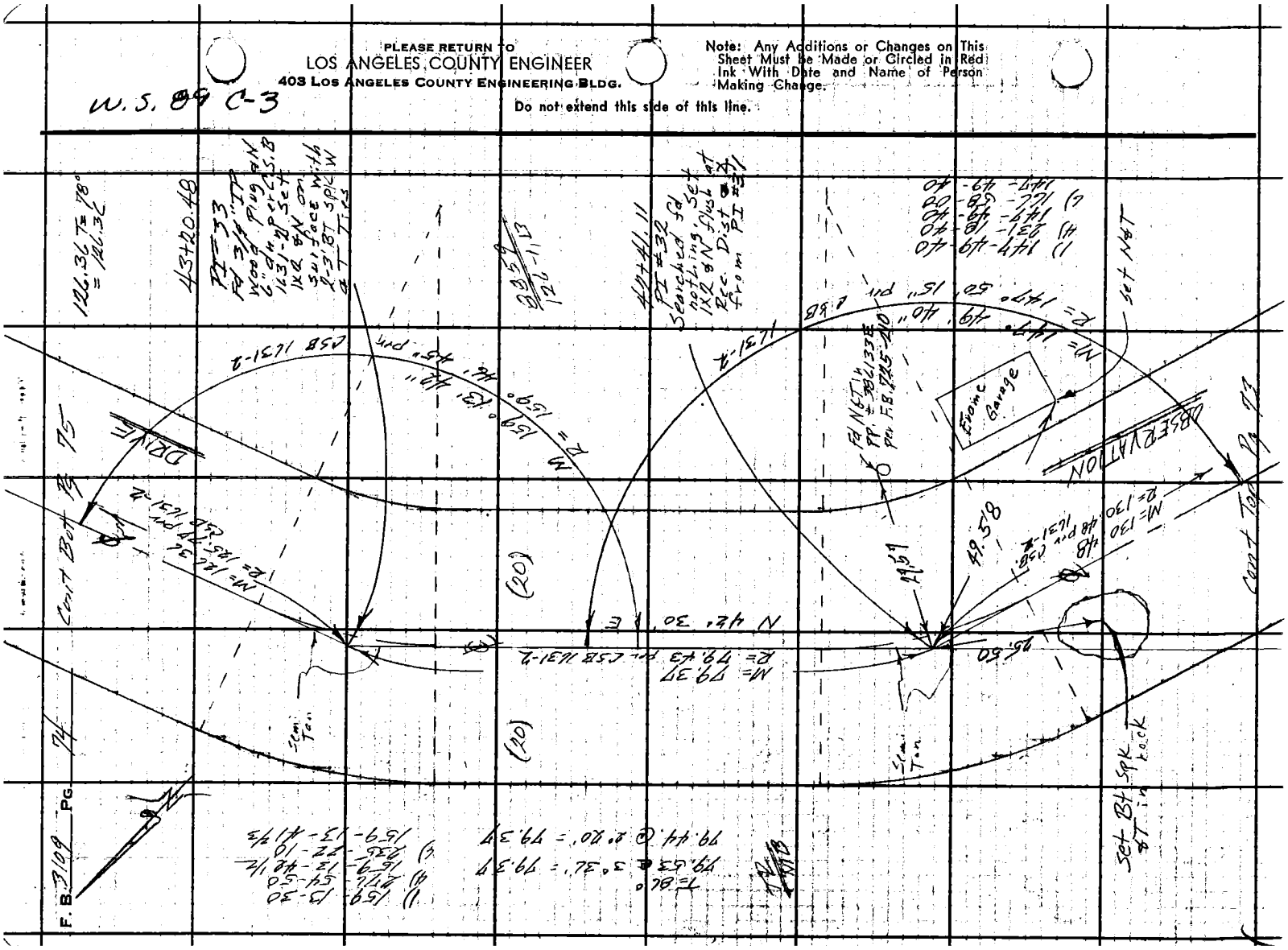
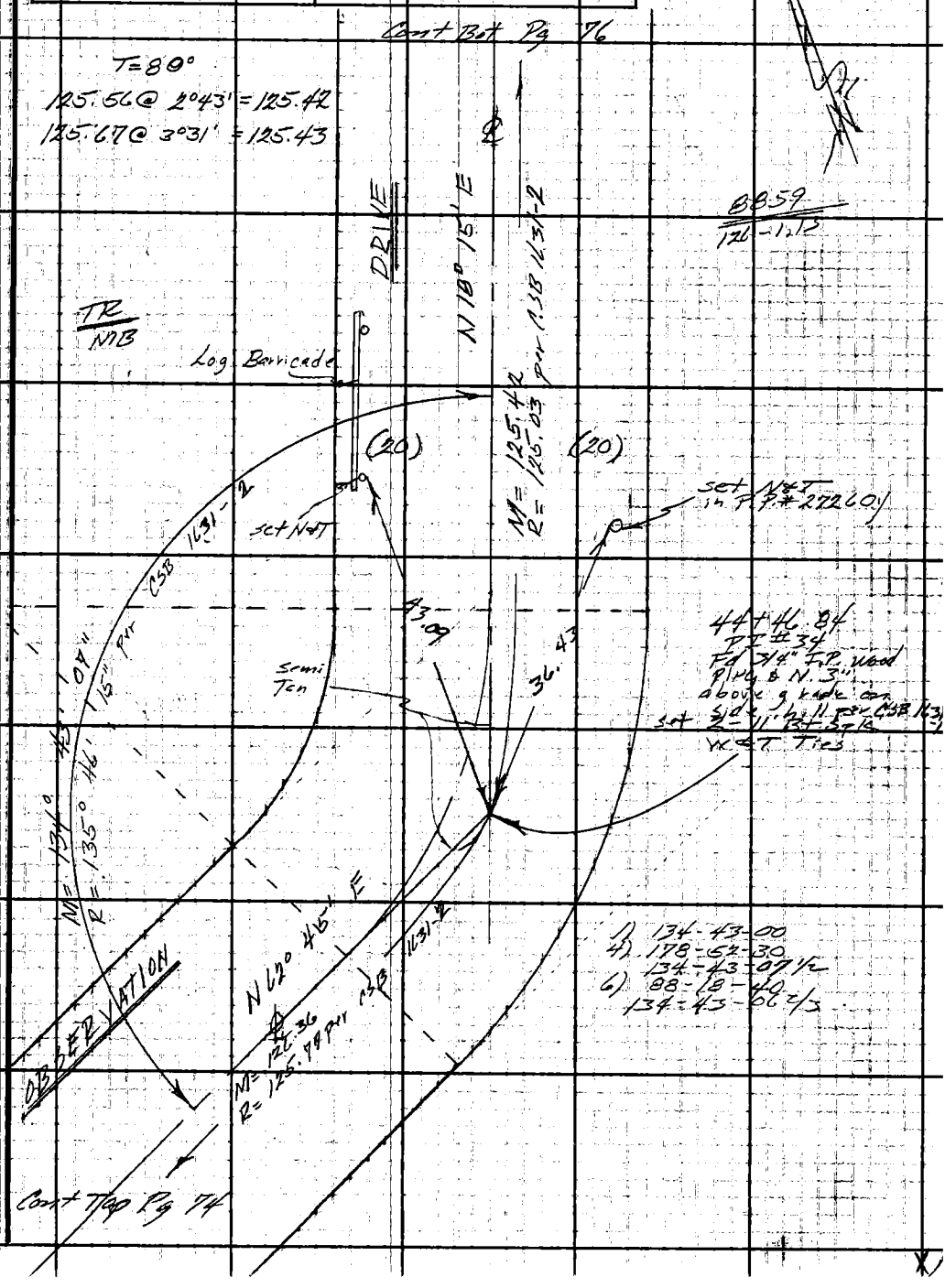
W.S. 89 C-3



Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0303.00 Tape 11.1 Std 84 °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 25 Feb 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 75



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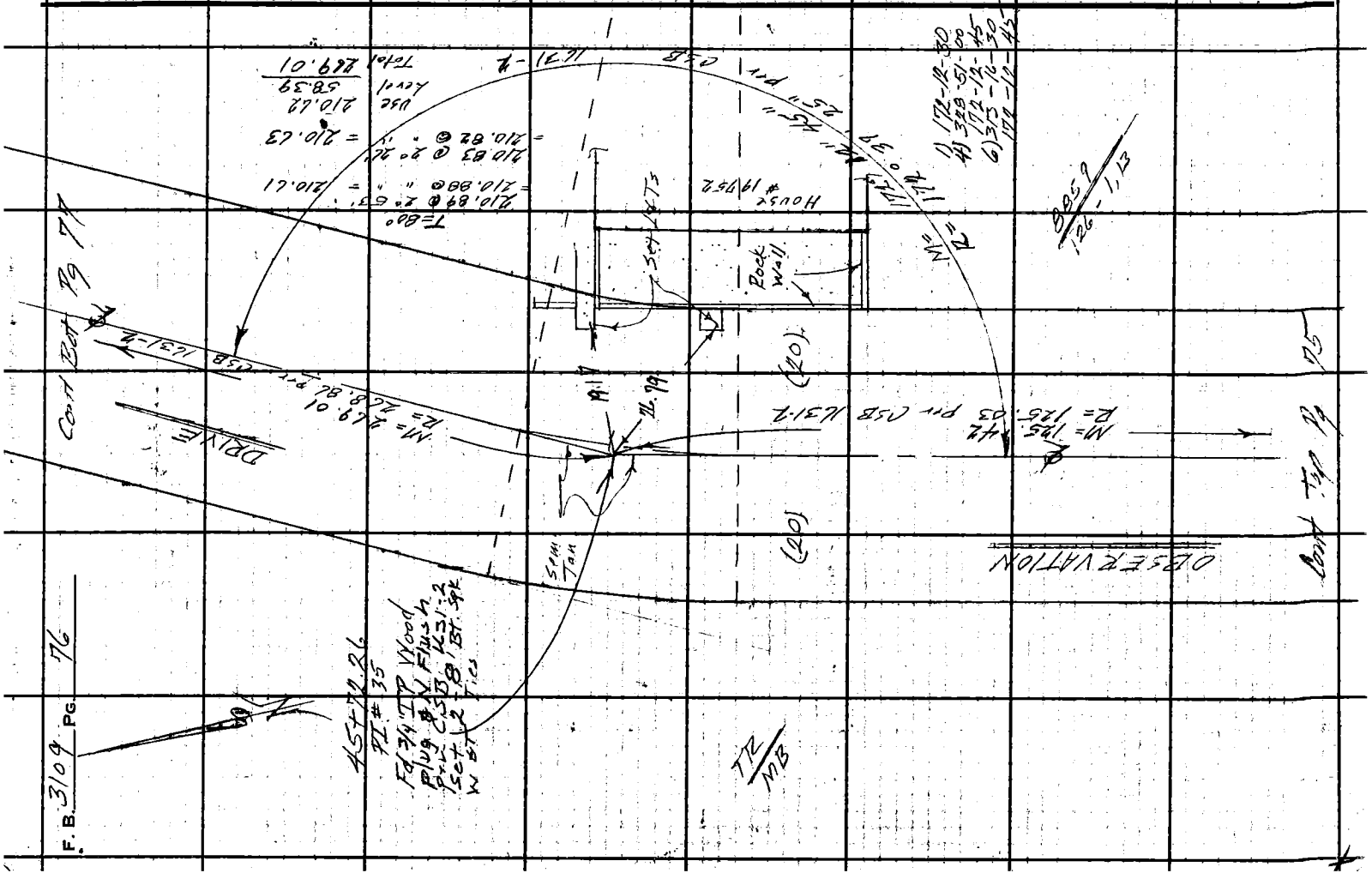
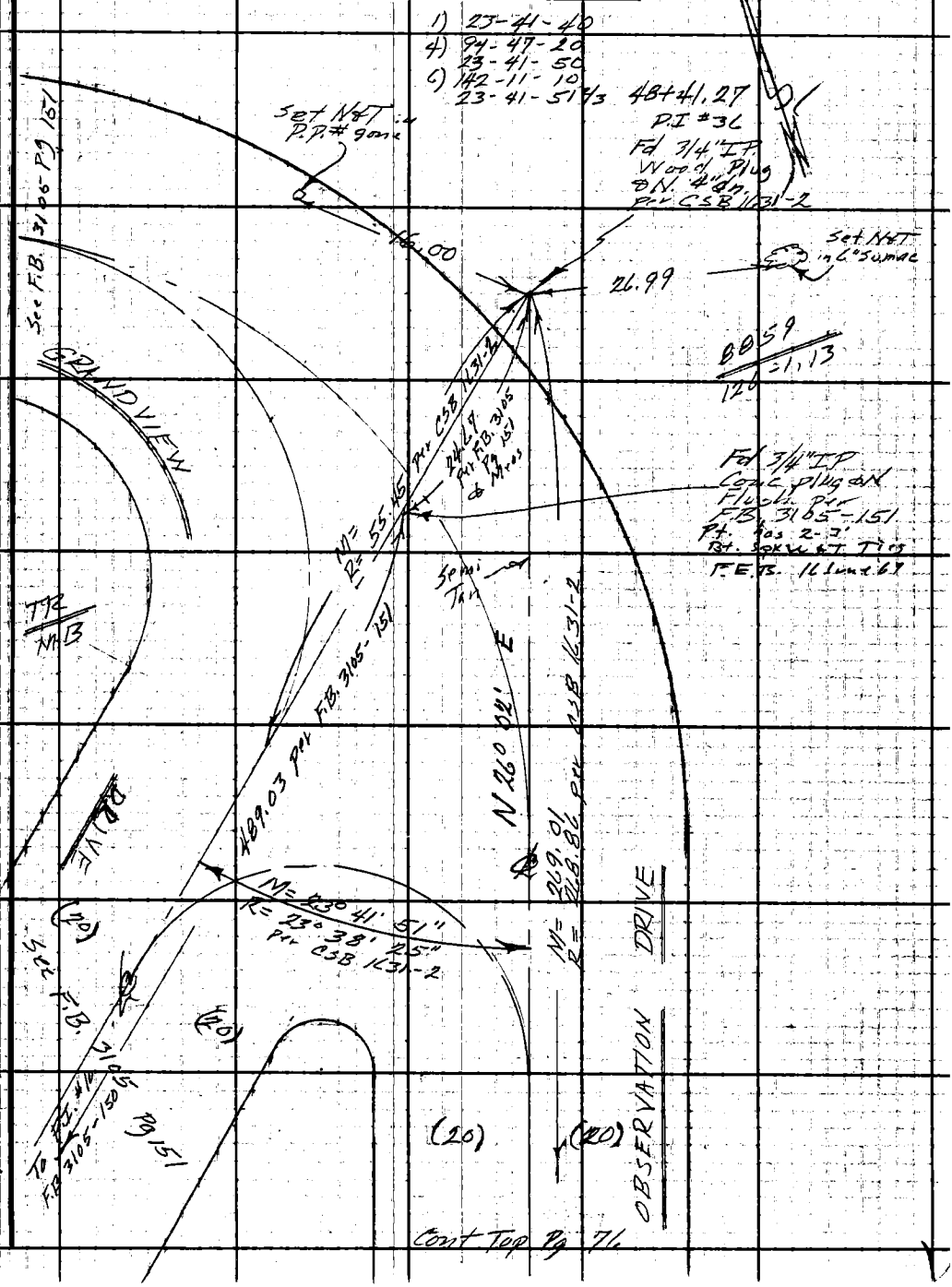


Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0303 00 Tape 111 Std 84 °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 25 Feb 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 77



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

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76 F 309S C.E. #3

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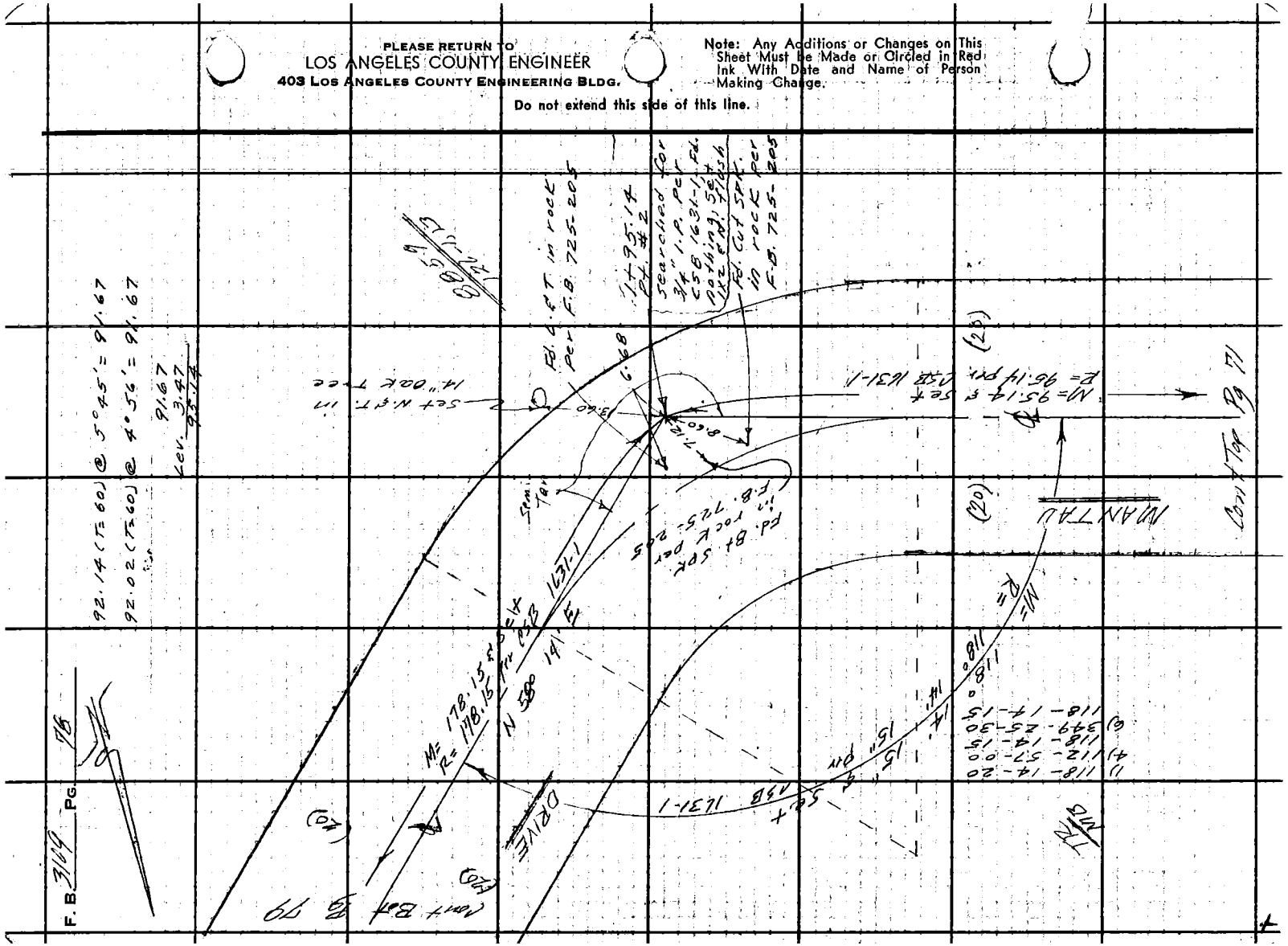
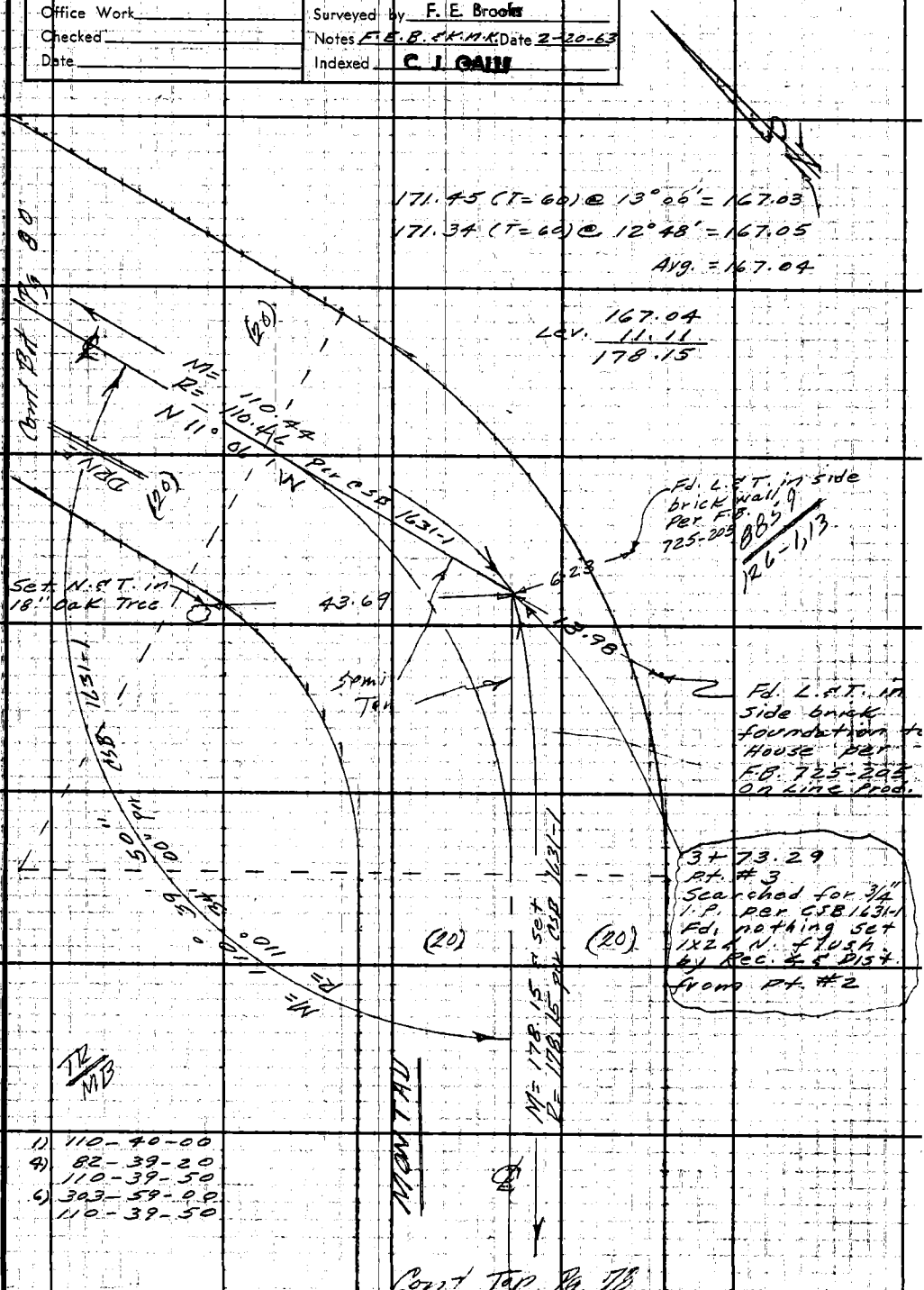


Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 0303.00 Tape 1KA Std 84 °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F.E.B. & K.M.K. Date 2-20-63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 79



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76F309S CE #310 4-62

F. B. 3109 PG. 80

Cont Top Pg 79

W.S. 89 C-3

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Notes Ck'd by	Survey of FERNWOOD PEAK	F. B. 3109 PG. 81
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E Brooks	
Checked	Notes F. E. Brooks CGV Date 2-26-63	
Date	Indexed E. J. CALLY MAR 7 '63	

J.N. 2215.14

Z II A

FERNWOOD PEAK

TOPANGA — EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

LOCATION OF IMPROVEMENTS

ON

OBSERVATION DRIVE

FROM — CROYDON LANE

TO — GRANDVIEW Drive

F.E. Brooks
K.M. Kapp
G.E. Cook
E. Martinez
C.G. Valdez

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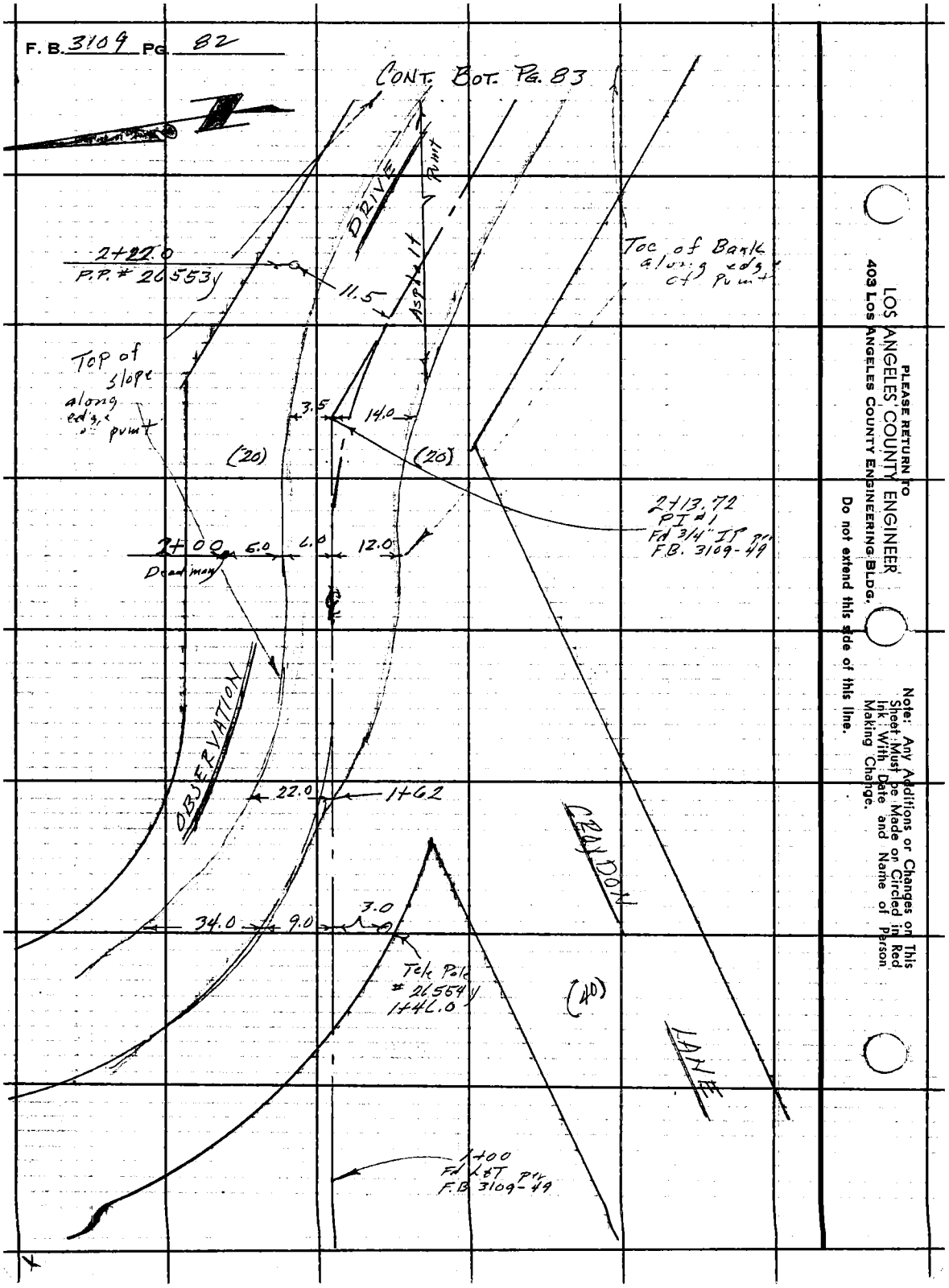
76F309S CE # 310 8-61

F. B. 3109 Pg. 82



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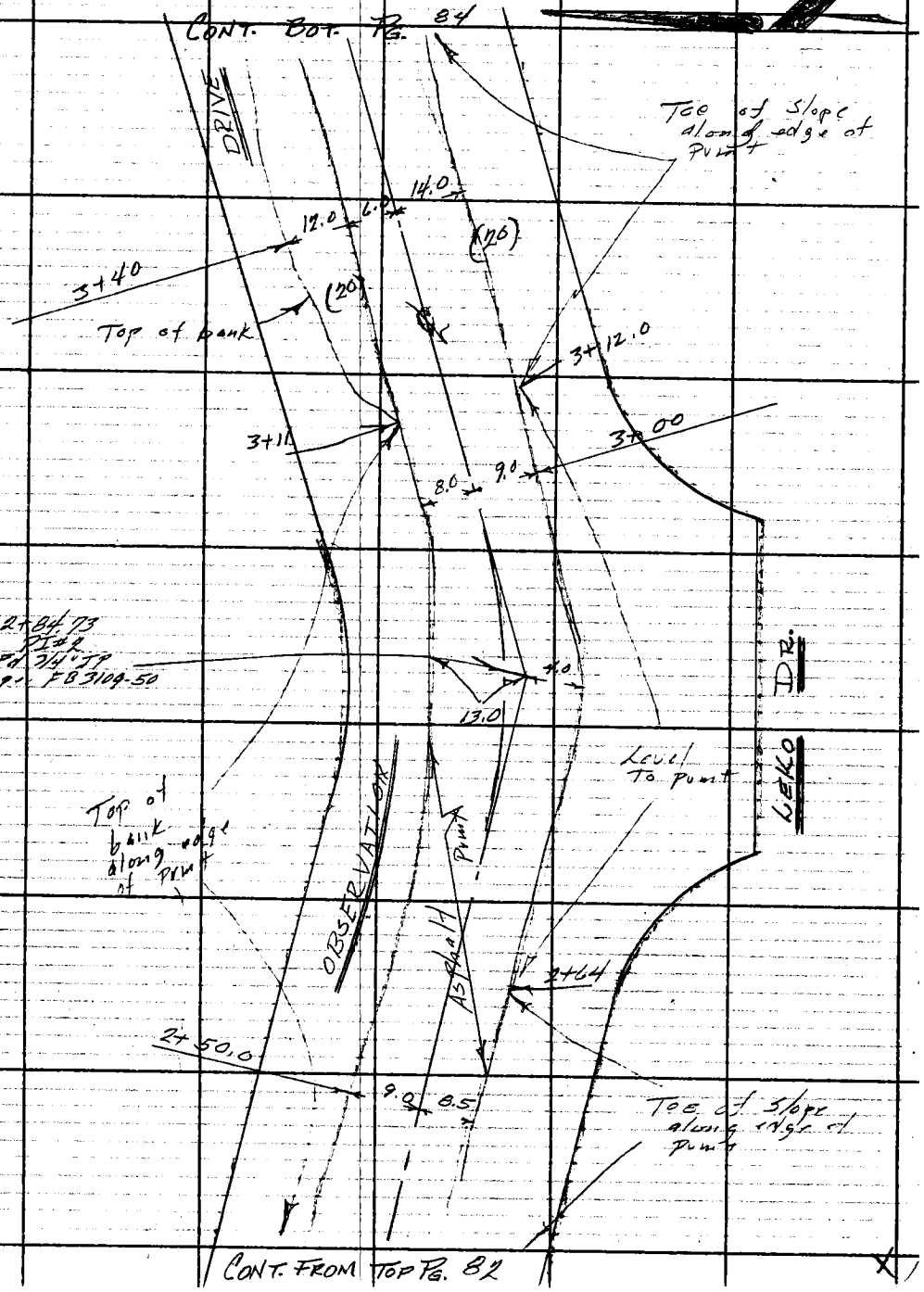
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of FERNWOOD PEAK
JN 2215.44 Tape Std °F
Surveyed by F. E. Brooks
Notes F. E. Brooks CGV Date 26 Feb 63
Indexed C. J. GALLI

F. B. B109 PG. 83

CONT. BOT. PG. 84



CONT. FROM TOP PG. 82

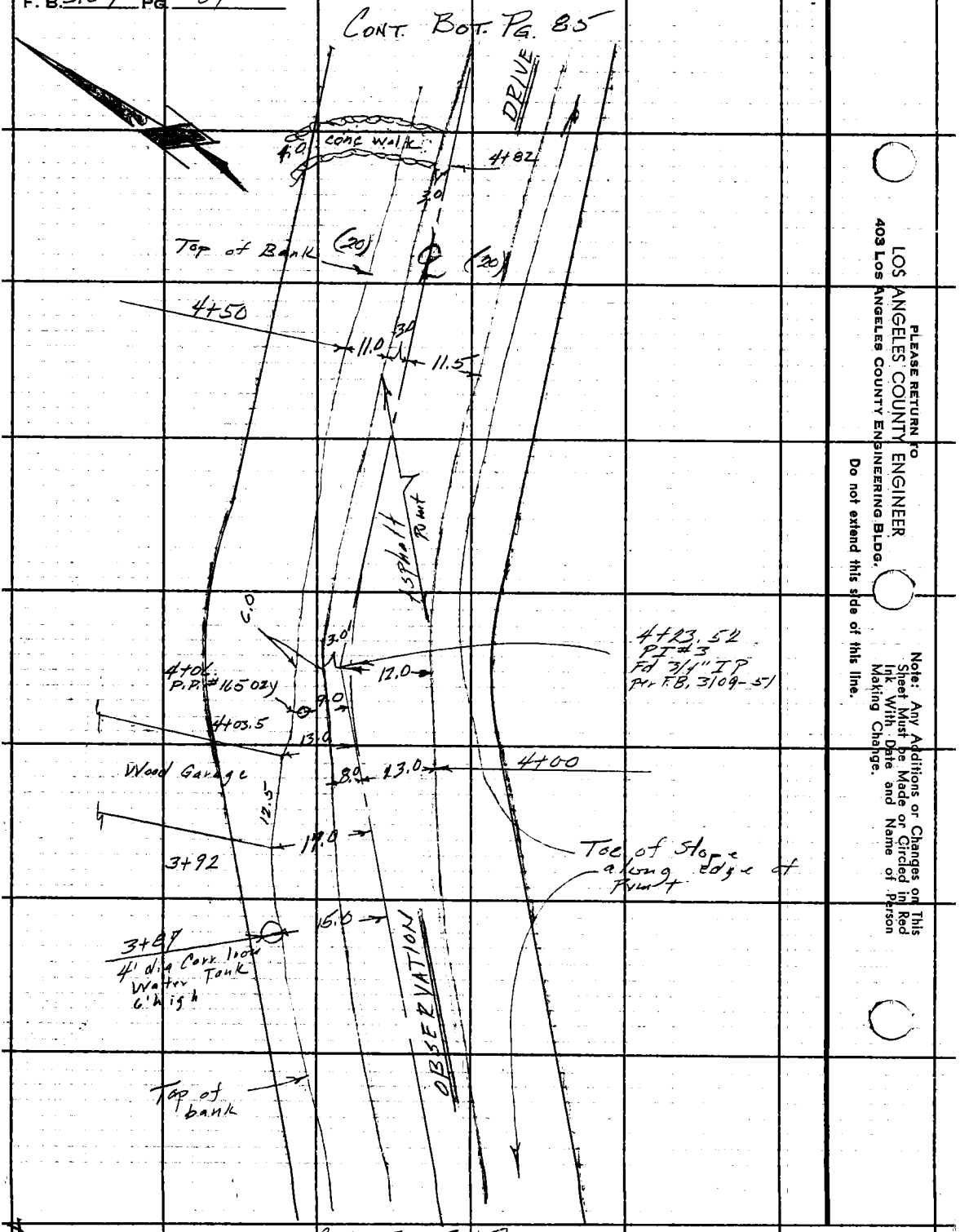
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

76F3095 CE # 310 3-61

F. B. 3109 Pg. 84



CONT. FROM TOP PG. 83

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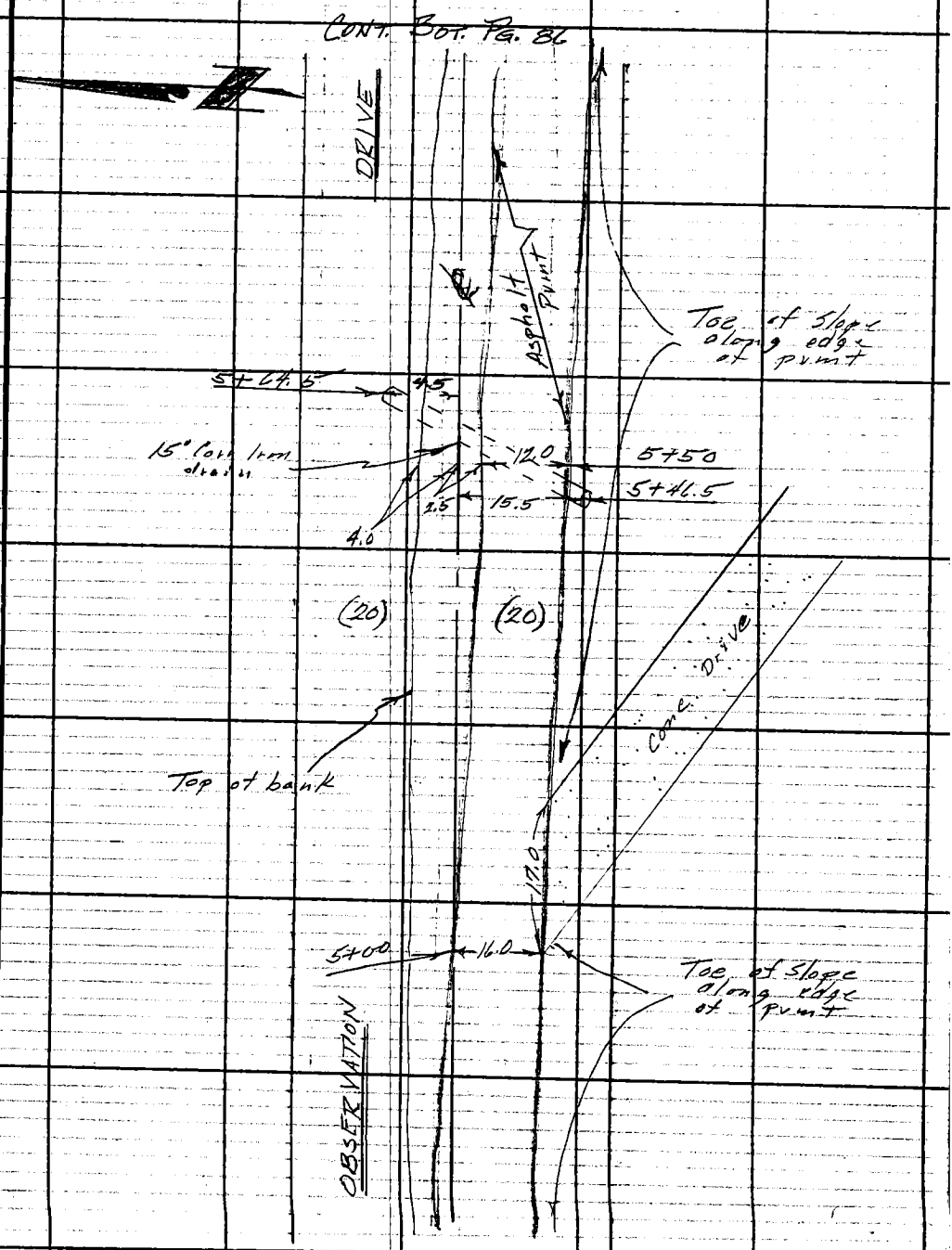
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Survey of FERNWOOD PEAK
JN 2215.14 Tape Std °F
Surveyed by F. E. Brooks
Notes F. E. Brooks CGV Date 26 Feb 63
Indexed G. J. GALLI

F. B. 3109 PG. 85

CONT. FROM PG. 86



CONT. FROM TOP PG. 84

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PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
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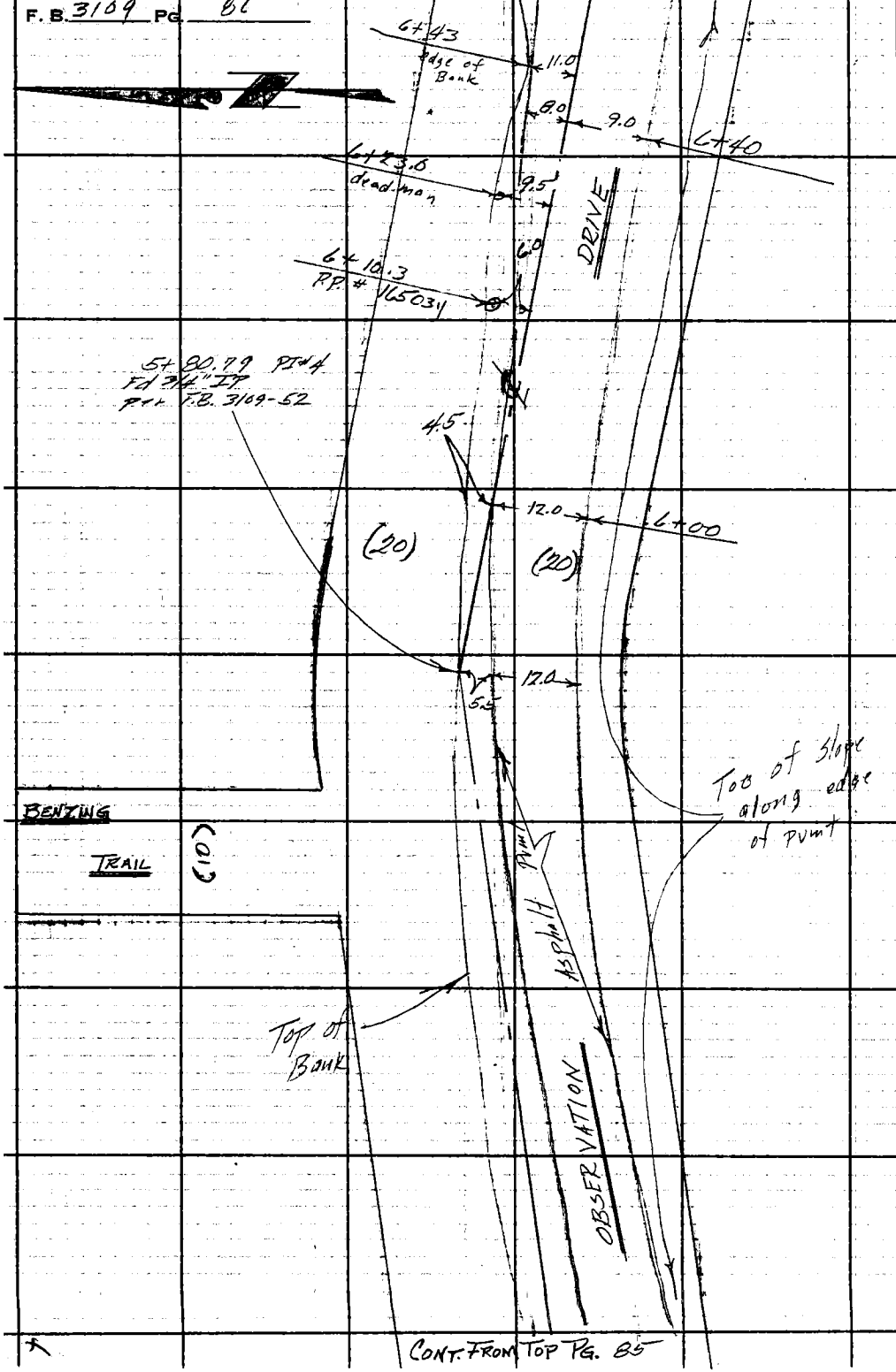
CONT. BOT. PG. 87

F. B. 3109 PG. 86



CONT. FROM TOP PG. 85

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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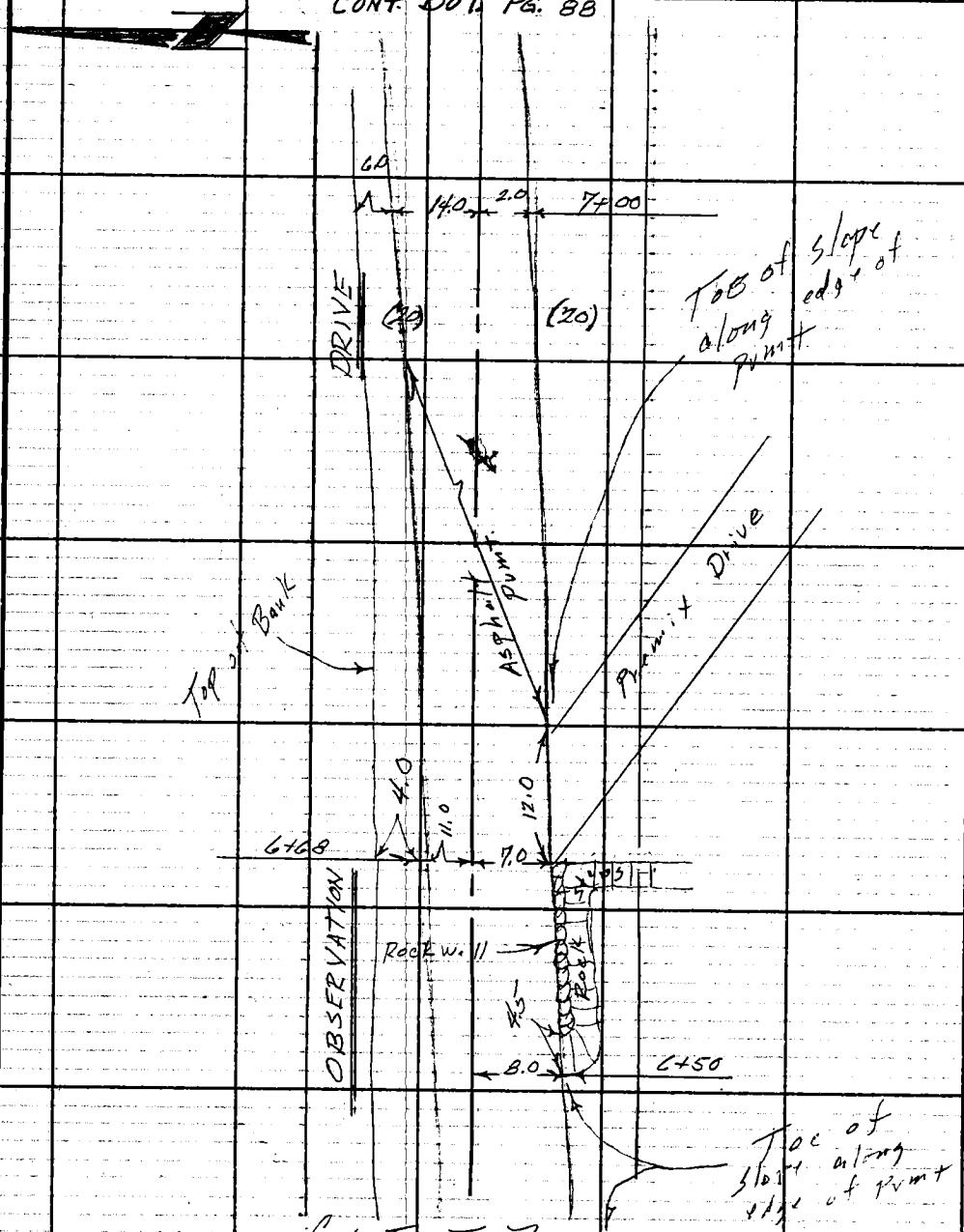
Notes Ck'd by	Survey of FERNWOOD PEAK
Map No.	JN 2215.46 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks CGV Date 26 Feb 63
Date	Indexed E. J. GALLI

F. B. 3109 PG. 87

CONT. BOT. PG. 88



CONT. FROM TOP 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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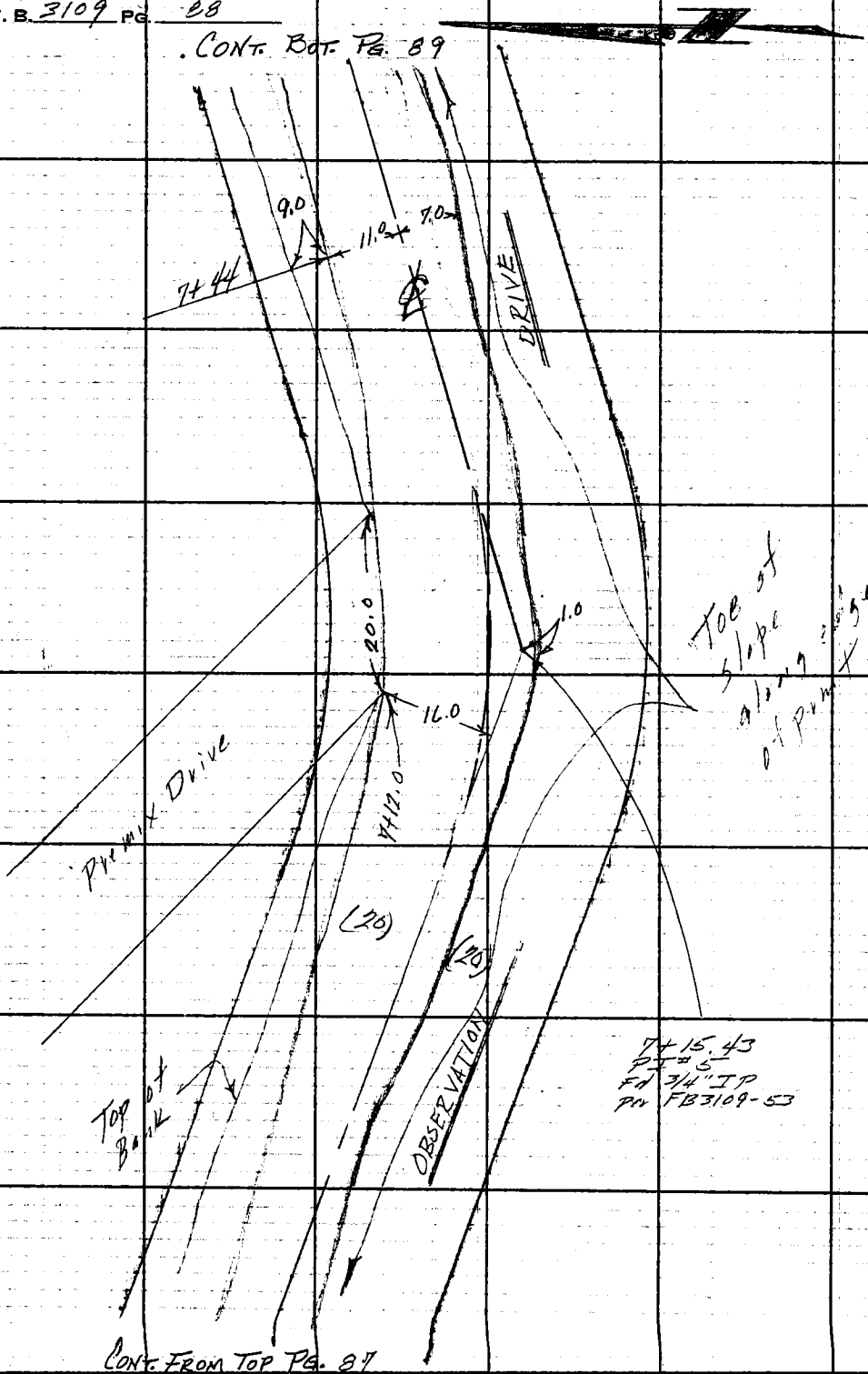
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
7 OF 3095 CE # 310 3-61

F. B. 3109 PG. 88

. CONT. BOT. PG. 89



CONT. FROM TOP PG. 87

LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

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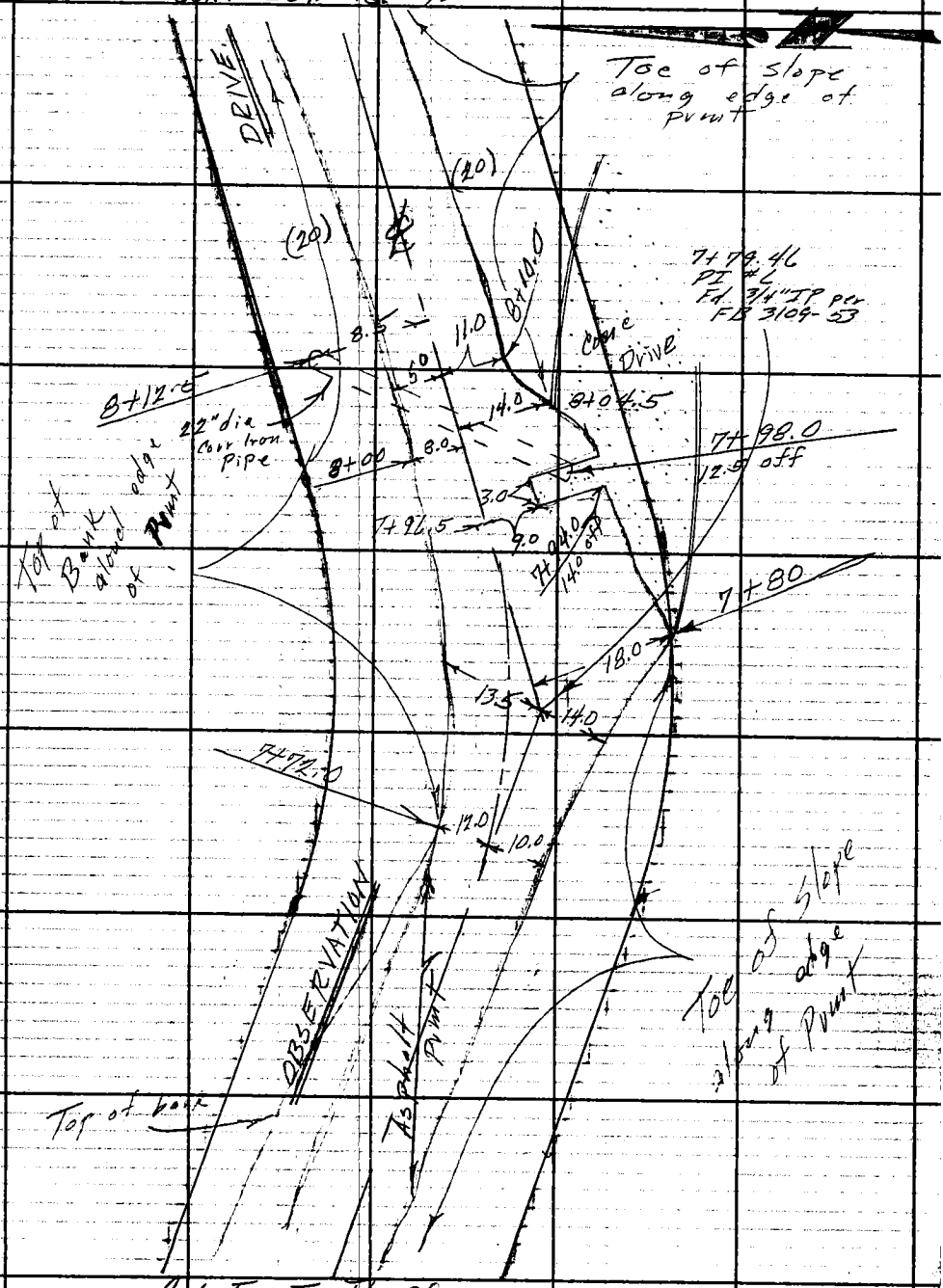
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Survey of FERNWOOD - PEAK
JN 2215.14 Tape Std °F
Surveyed by F. E. Brooks
Notes F. E. Brooks (FV) Date 2/26/63
Indexed E. J. GALLI

F. B. 3109 PG. 89

CONT. BOT. PG. 90



CONT. FROM TOP PG. 88

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

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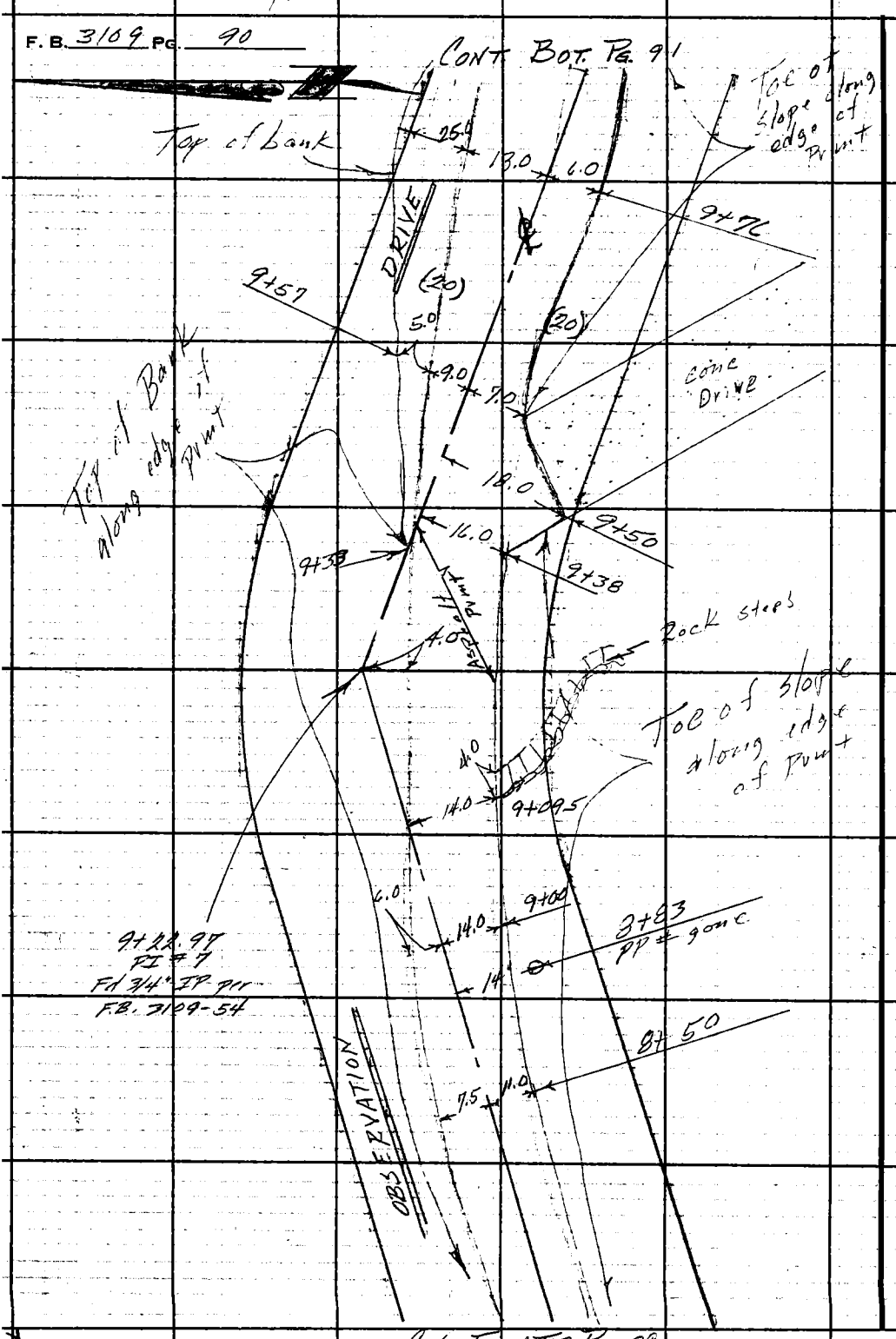
F. B. 3109 Pg. 90



CONT. FROM TOP Pg. 89

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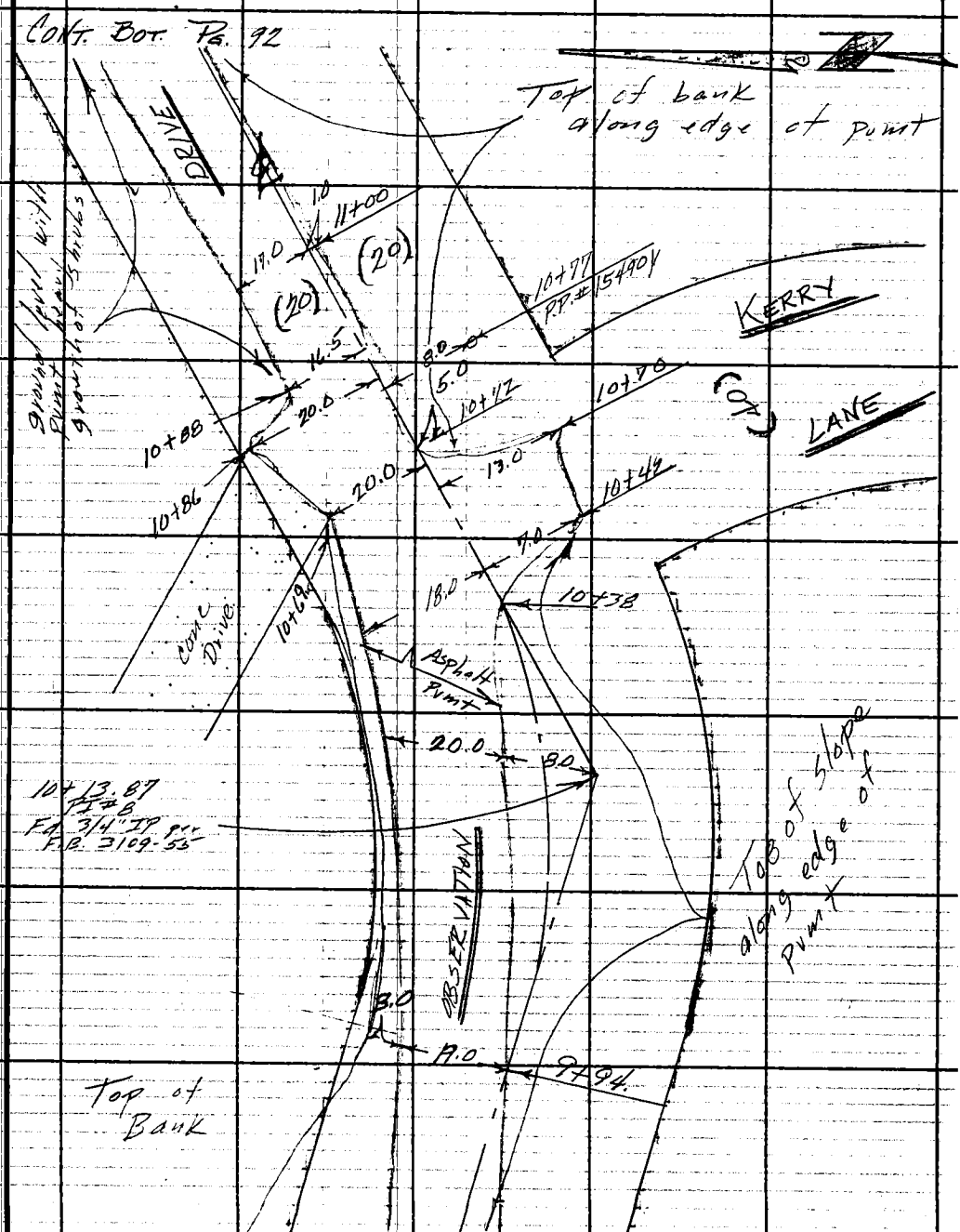
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of FERNWOOD PEAK	F. B. 3109 PG. 91
Map No.	JN 2215.14 Tape Std. °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks CGV Date 26 Feb 63	
Date	Indexed C. J. GALLI	



CONT FROM TOP PG. 90

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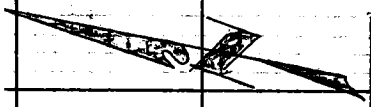
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 8-61

F. B. 3109 Pg. 92

CONT. BOT. PG. 93



(20) (20)

12+00 16.5 4.0

DRIVE

Toe of slope along edge of Pvmt

Asphalt Pvmt

Top of Bank along edge of pvmt

11+50 17.0 1.5

ground level with Pvmt & covered shrubs

OBSERVATION

CONT. FROM TOP PG. 91

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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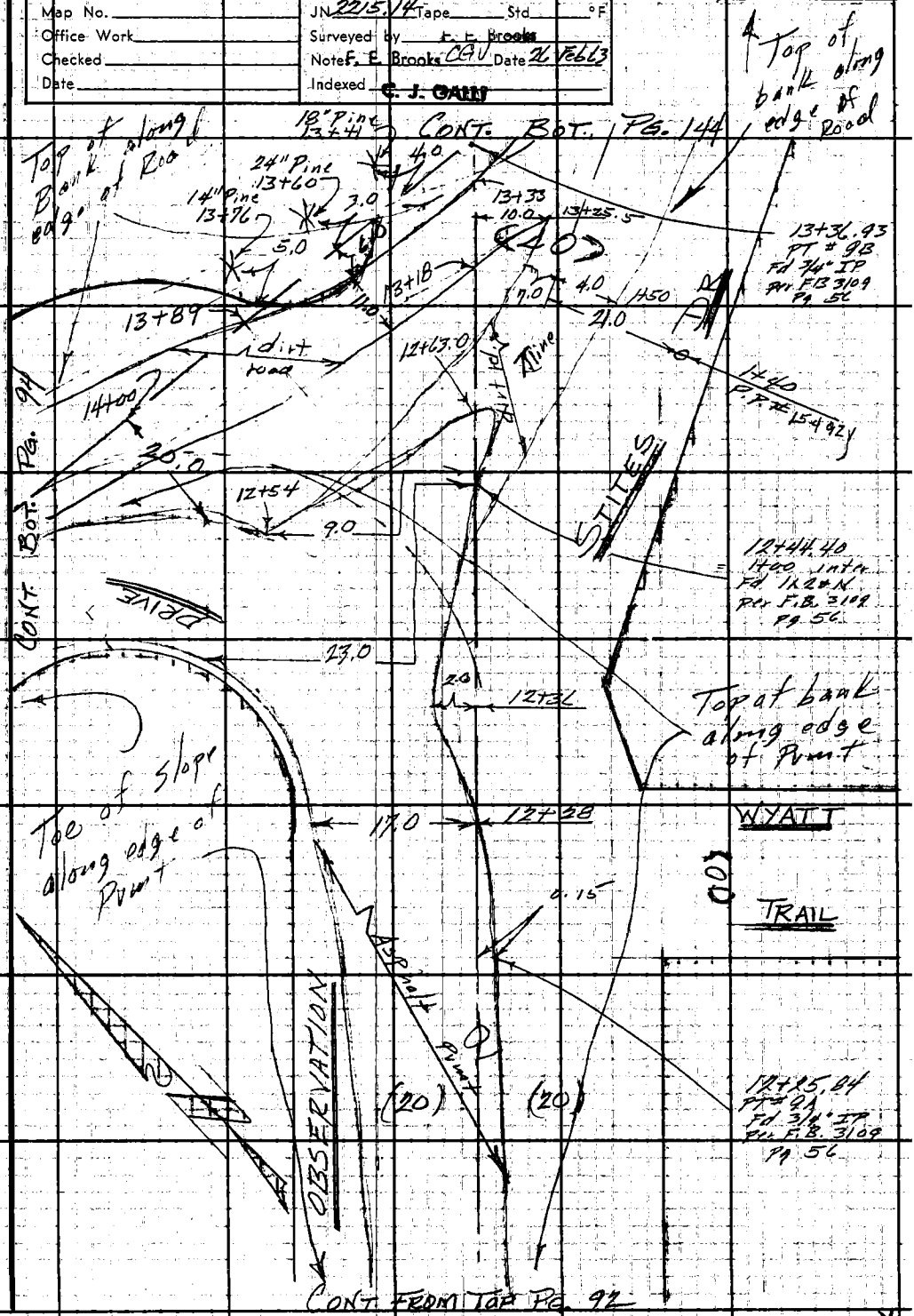
Notes Ck'd by	Survey of FERNWOOD PEAK
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Note F. E. Brooks CGV Date 26 Feb 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 93



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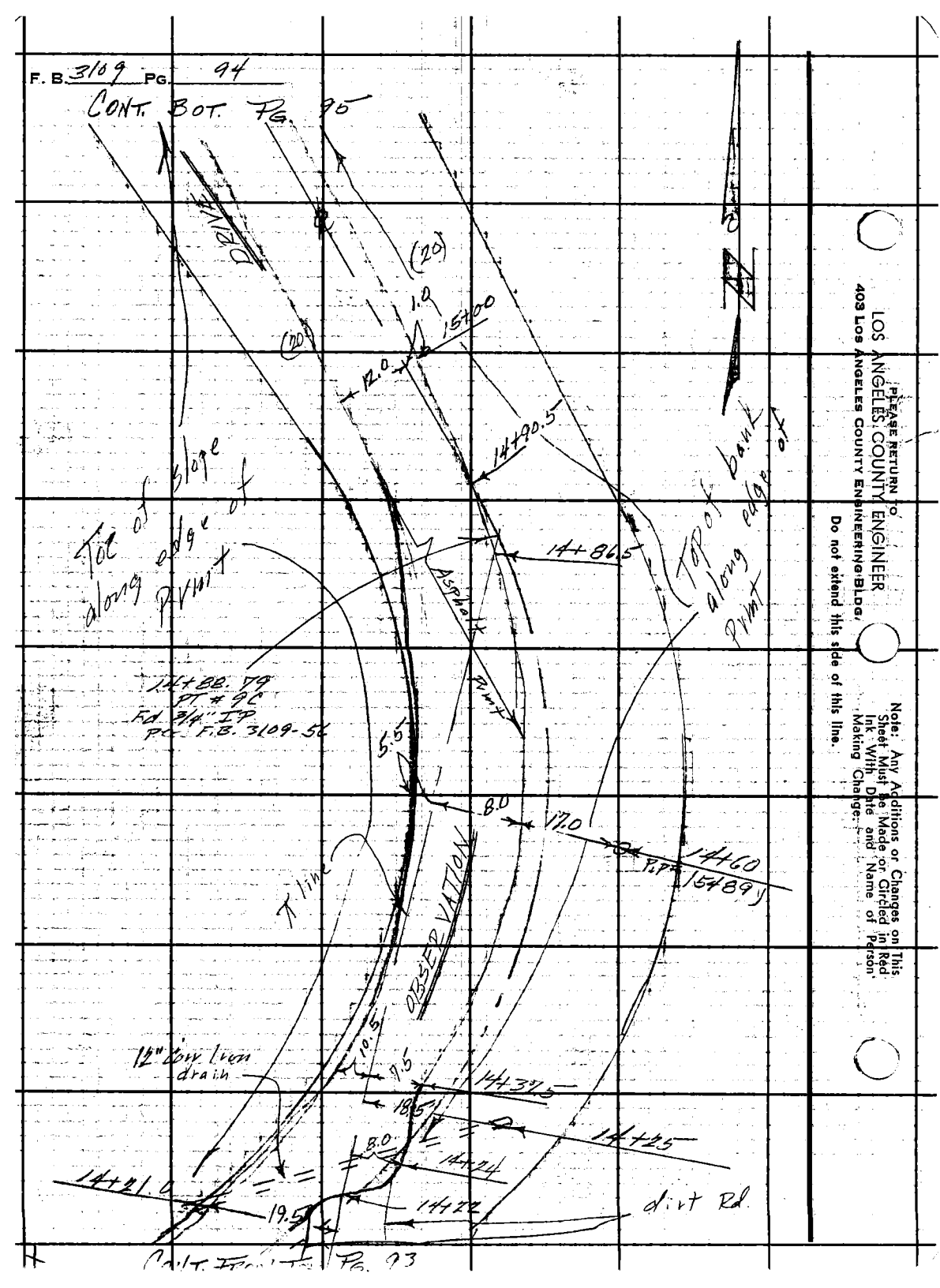
76F309S C.E. #310 6-62

F. B. 3109 PG. 94



LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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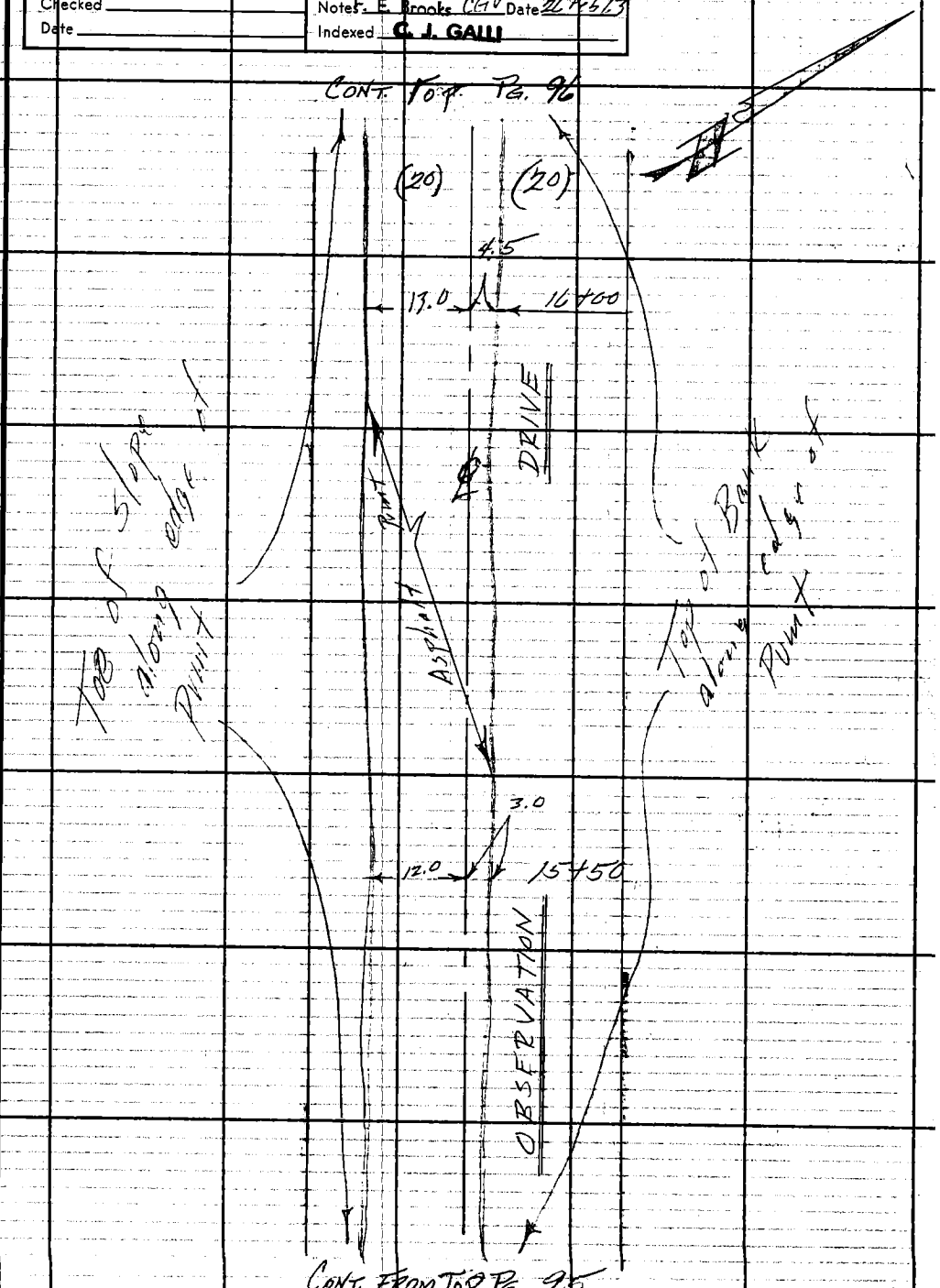
Notes Ck'd by	Survey of FERNWOOD PEAK
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks CGV Date 2-26-63
Date	Indexed C. J. GALLI

F. B. 310 P Pg. 95



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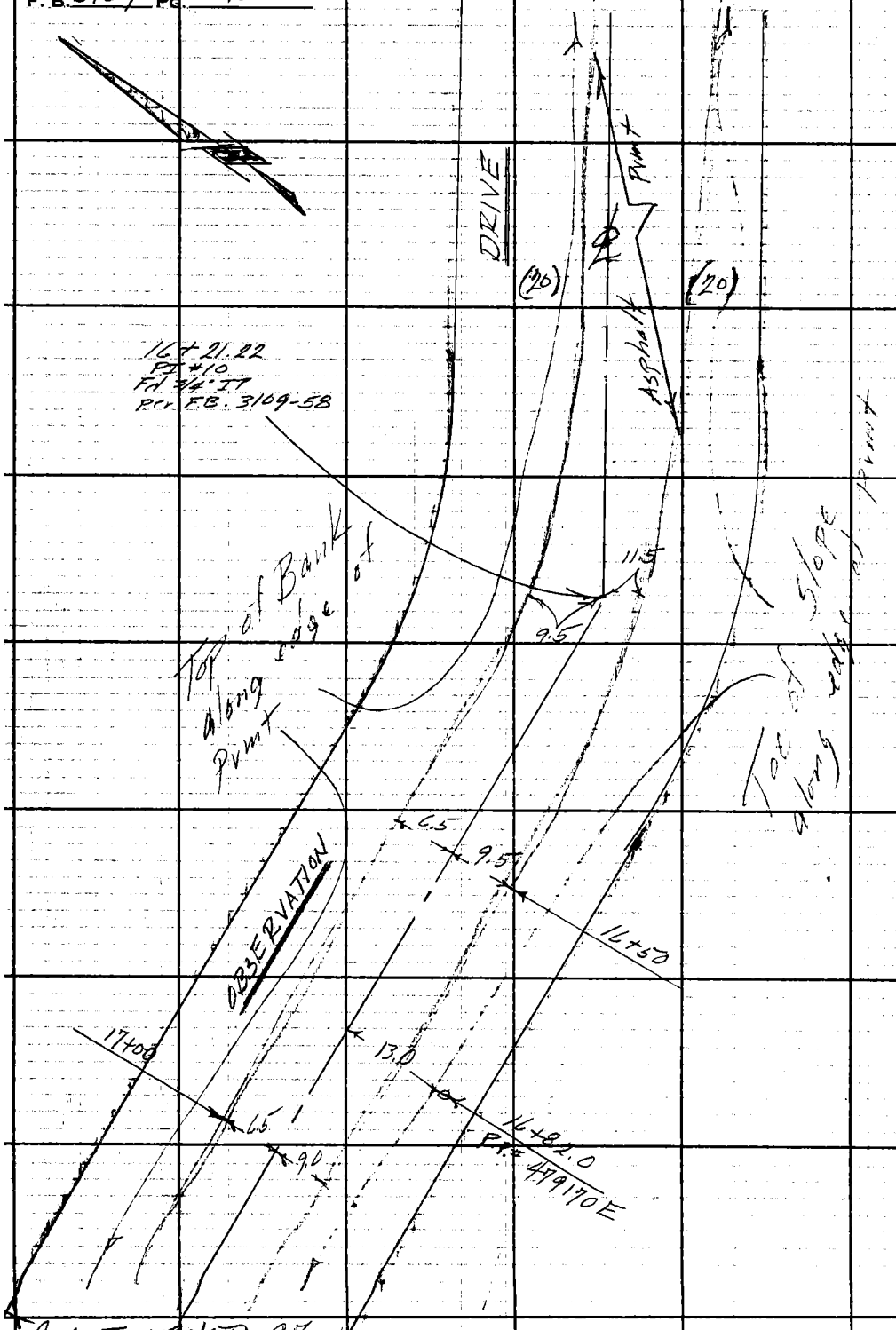
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 1-61

F.B. 3109 PG. 96

CONT. TOP PG. 95



CONT. FROM BOT PG. 97

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LOS ANGELES COUNTY ENGINEER
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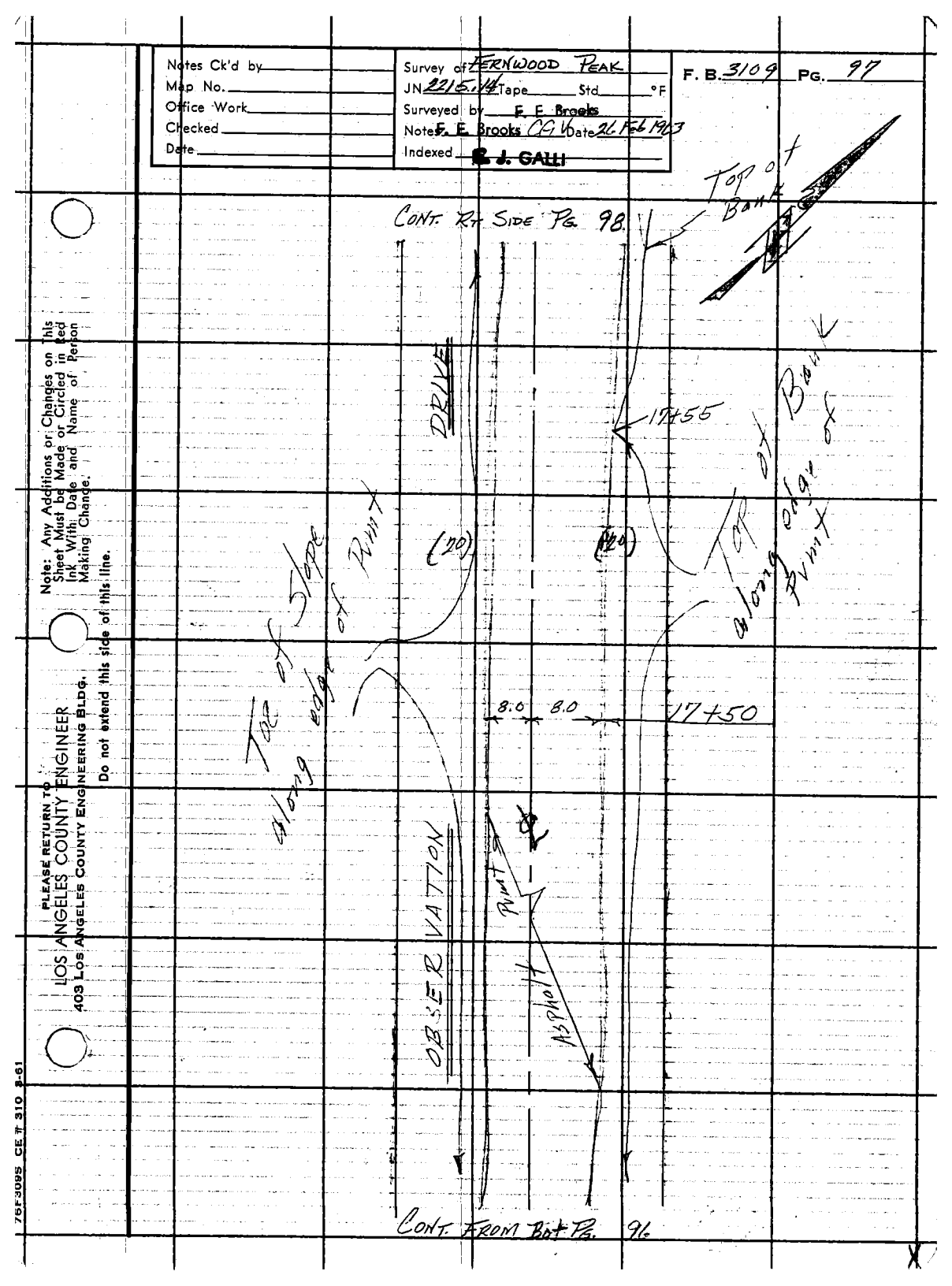
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of FERNWOOD PEAK
JN 2215.14 Tape Std °F
Surveyed by F. E. Brooks
Noted F. E. Brooks CA 4 Date 26 Feb 1963
Indexed E. J. GALLI

F. B. 3109 PG. 97



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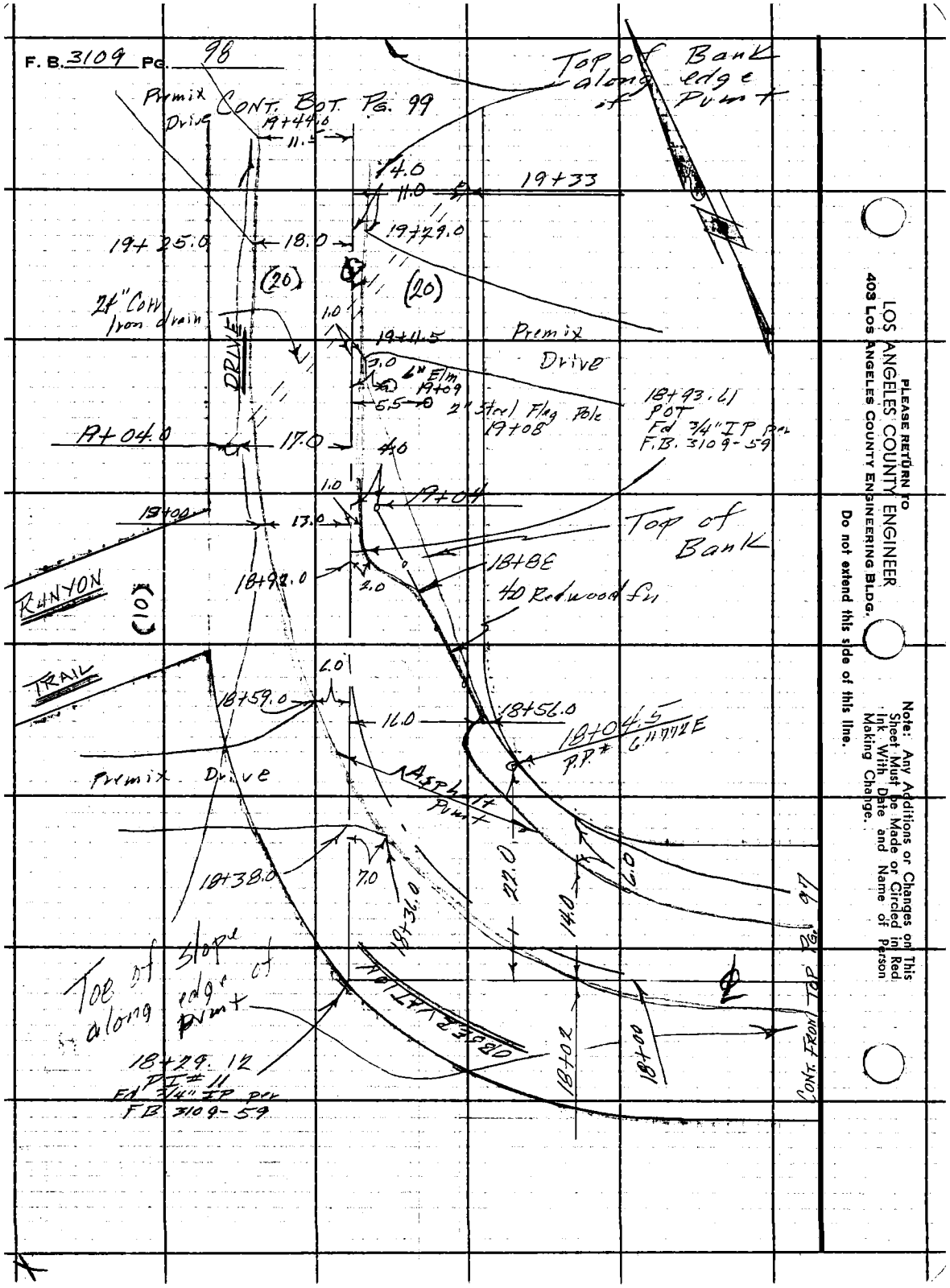
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE # 310 8-61

F. B. 3109 Pg. 98



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403 Los Angeles County Engineering Bldg.
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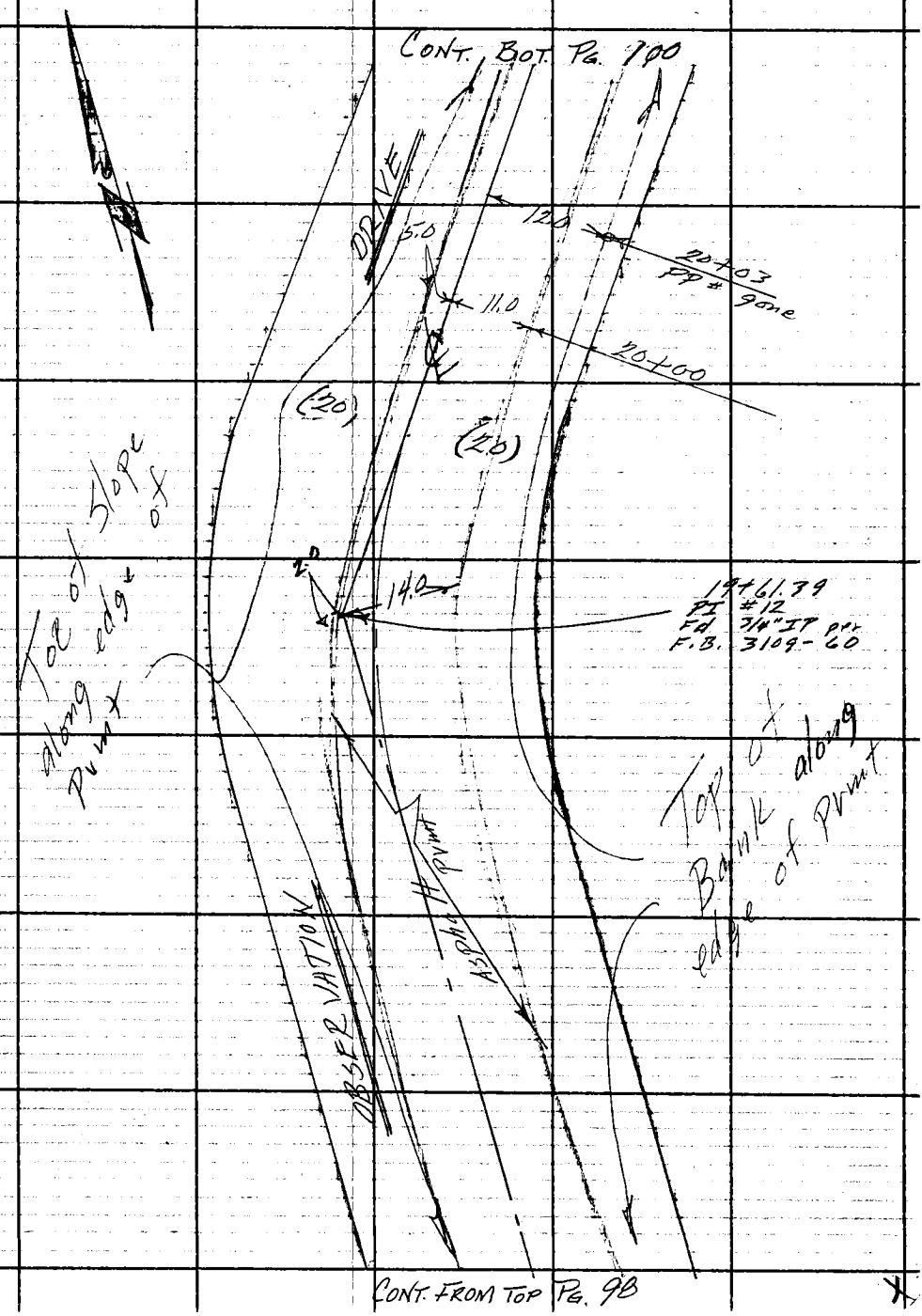
Notes Ck'd by	Survey of FERNWOOD PEAK	F. B. 3109 PG. 99
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks CGV Date 26 Feb 63	
Date	Indexed C. J. GALLI	



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

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76F3095 CE # 310-3-61

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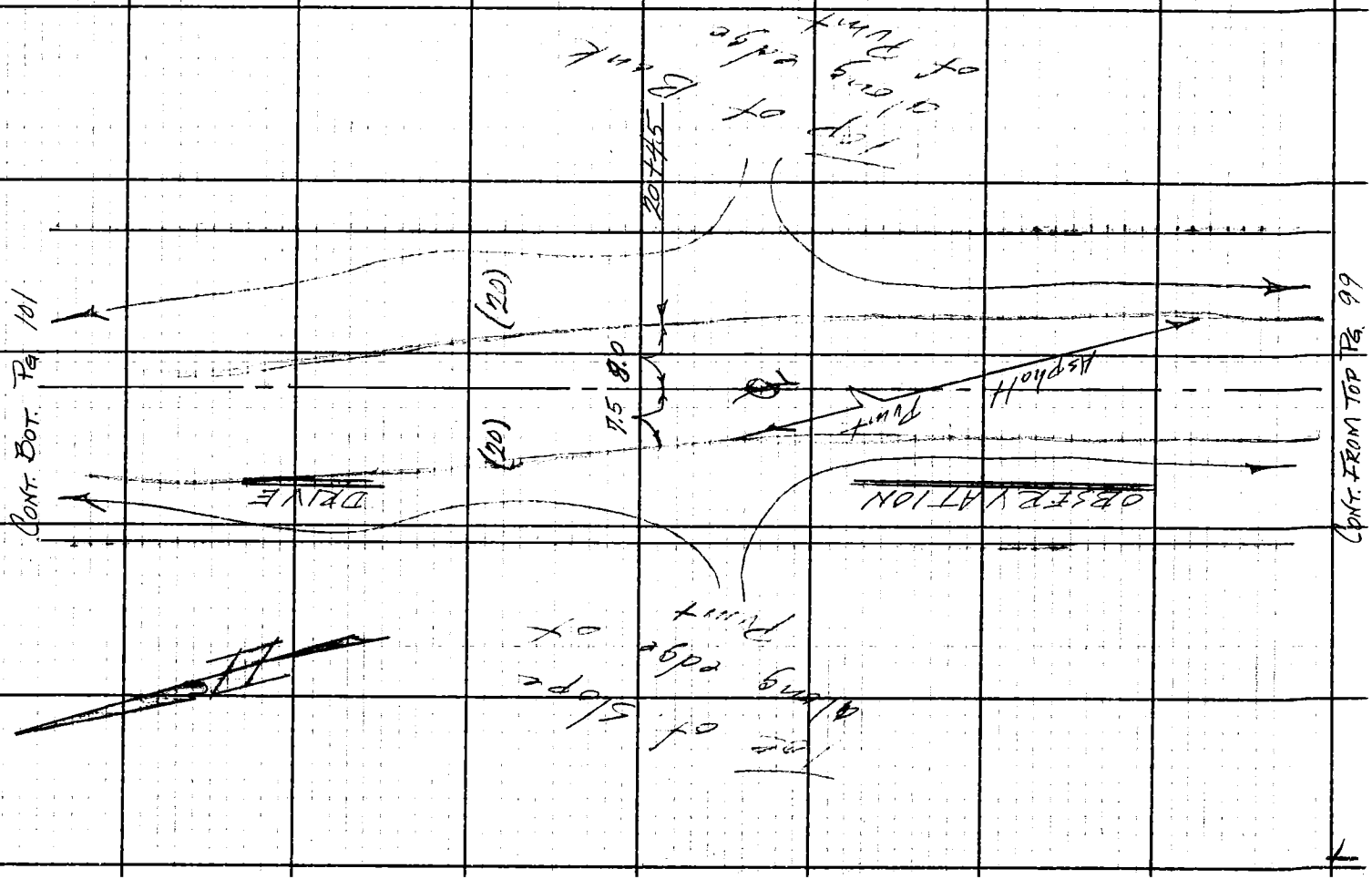

F. B. 3104 PG. 100

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

Survey of FERNWOOD PEAK
JN 2215-14 Tape Std °F
Surveyed by F. E. Brooks
Notes F. E. Brooks CG Date 27 Feb 63
Indexed C. J. CALLI

F. B. 3109 PG. 101

Top of Bank along edge of Pvmt

24" Coll from Drain

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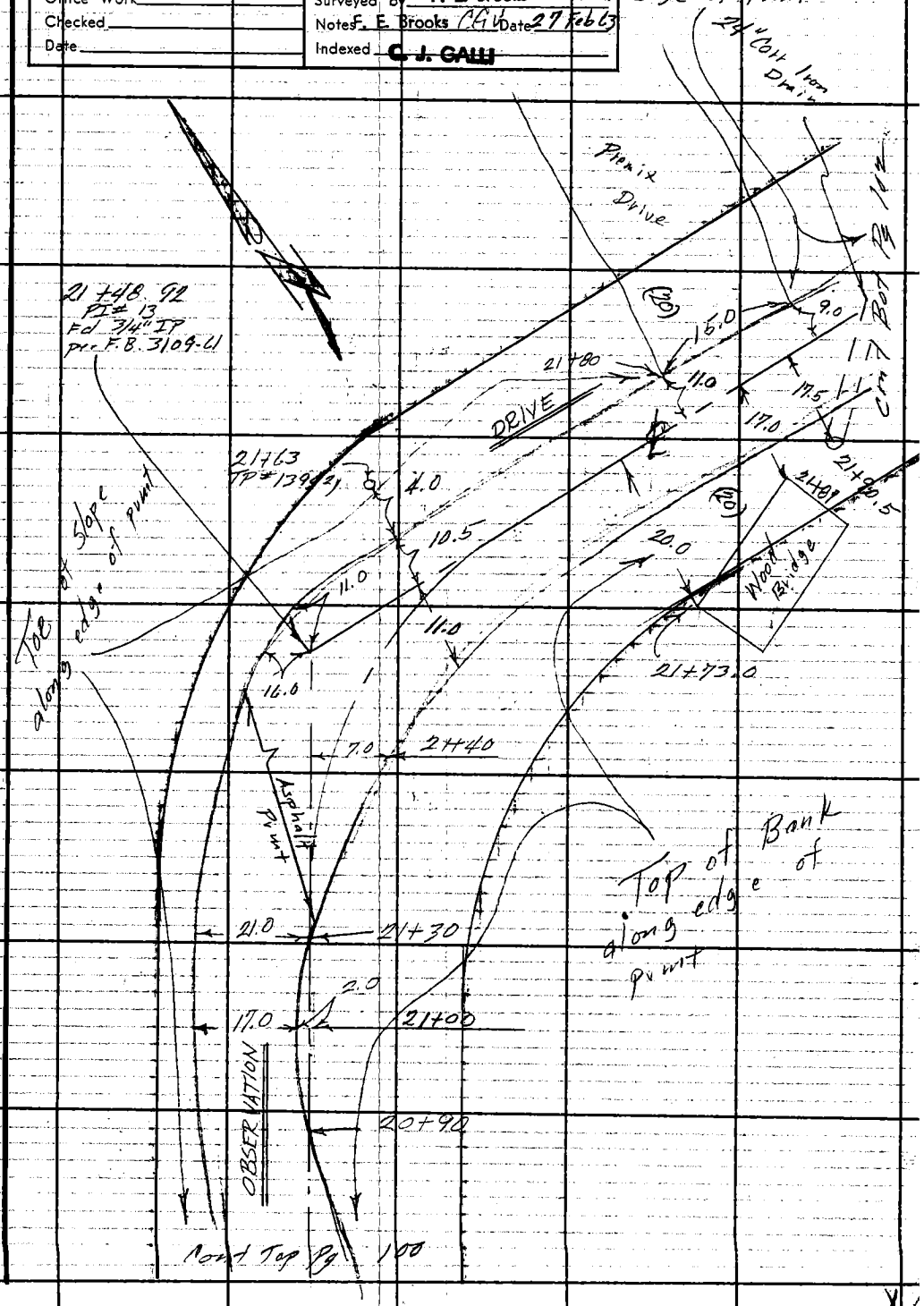
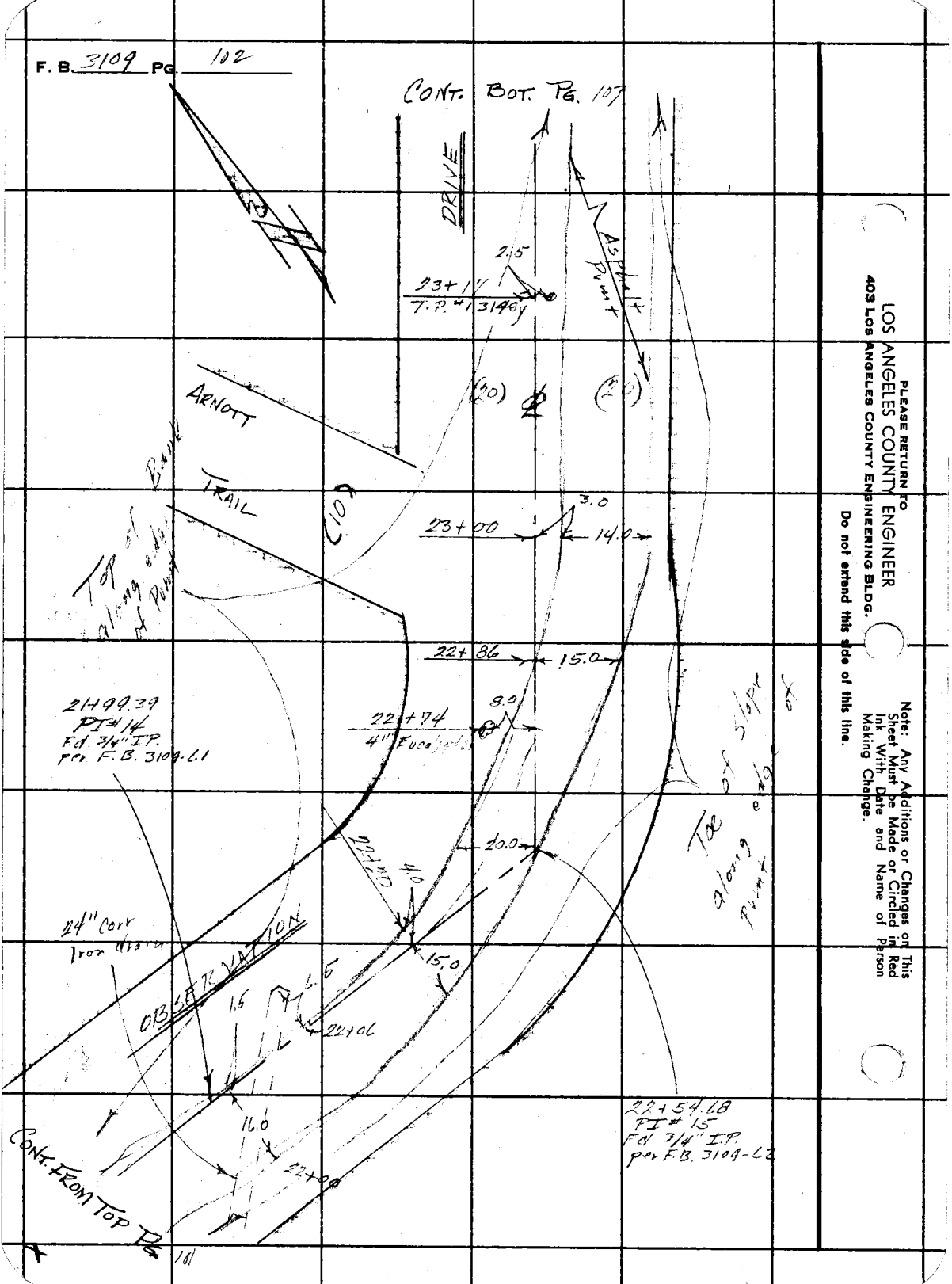
76F309S CE # 310 4-61



F. B. 3109 Pg. 102



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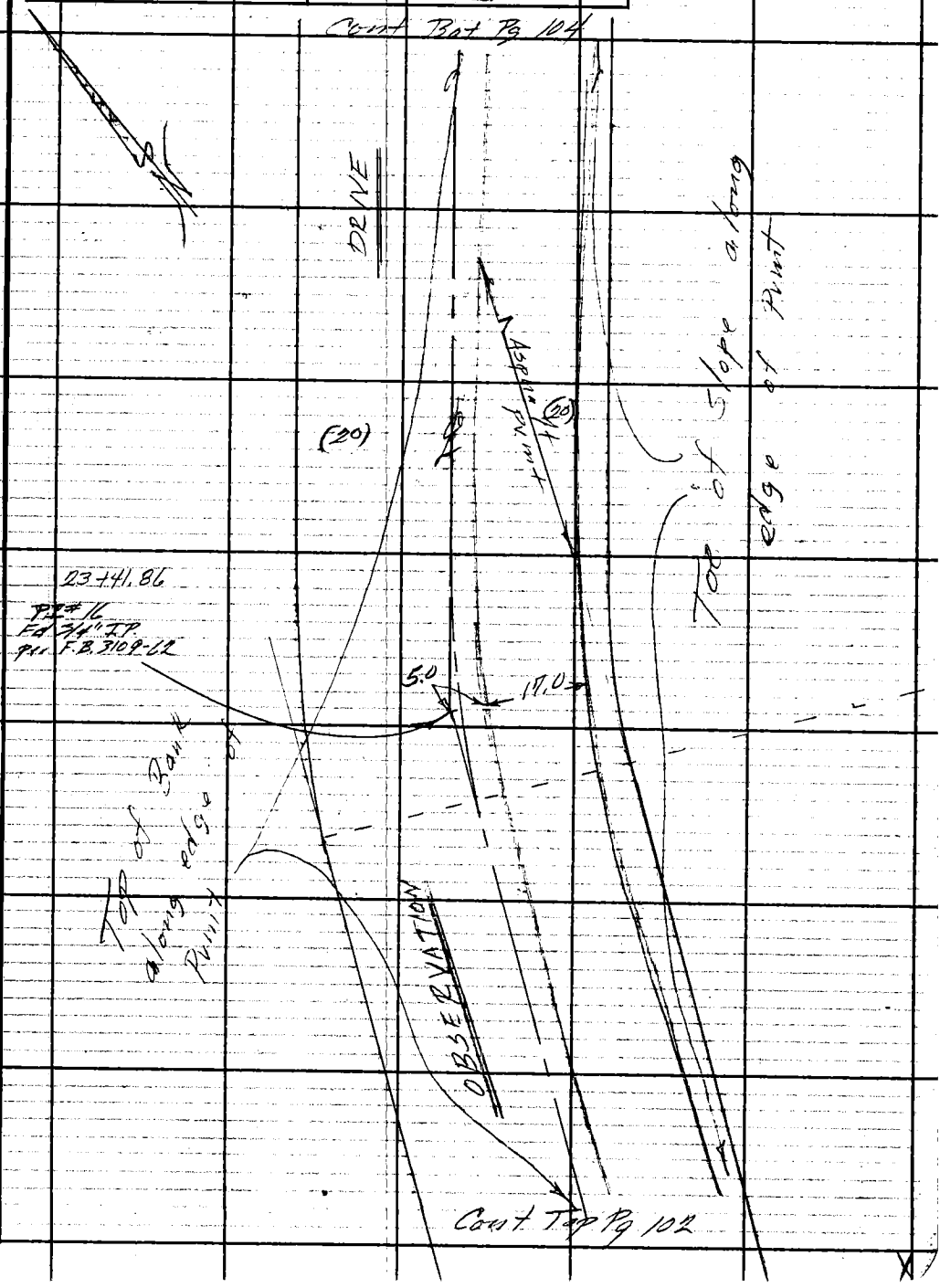
Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 Pg. 103
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 27 Feb 1963	
Date	Indexed C. J. GALLI	



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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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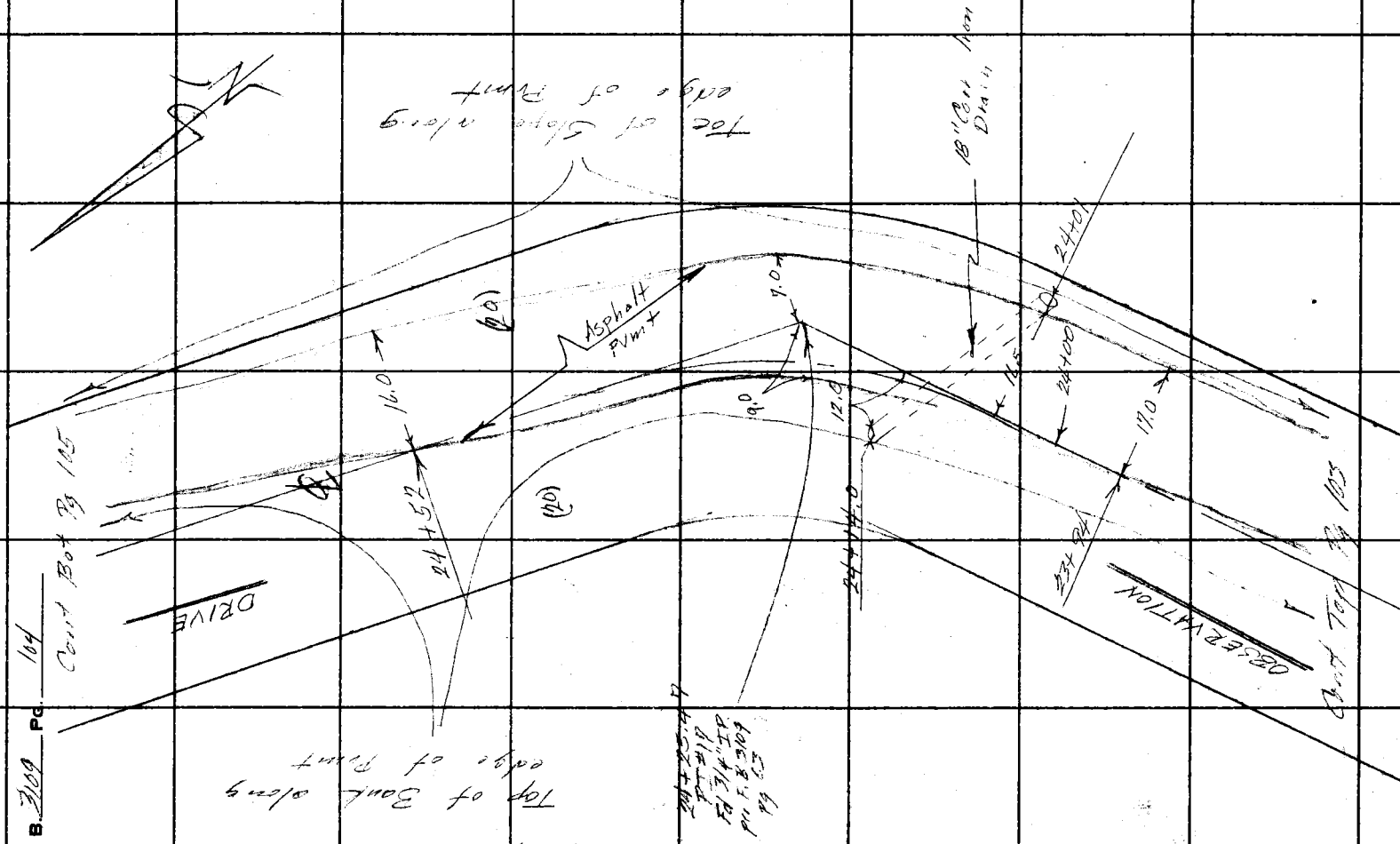
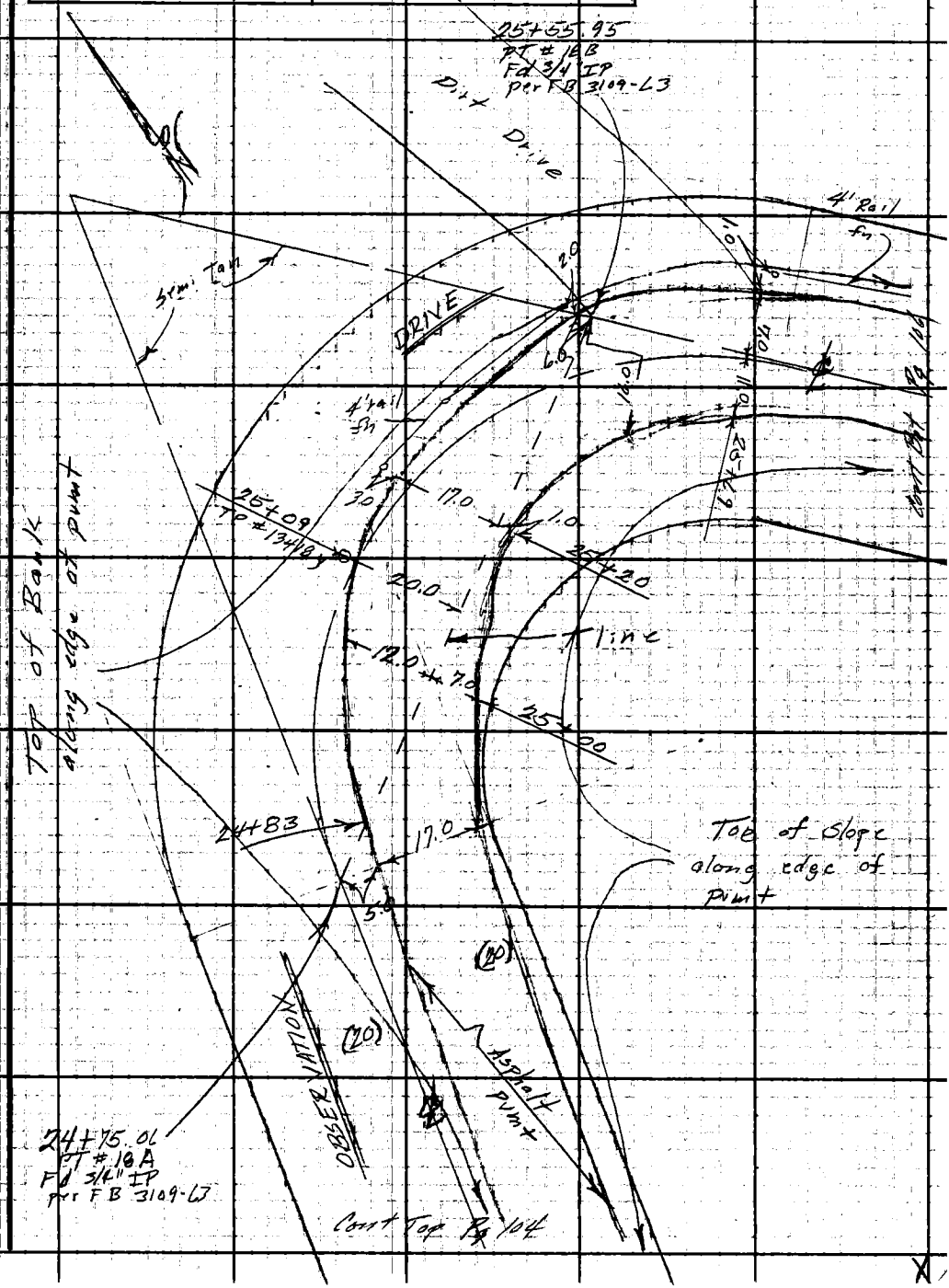


Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 1215 14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 27 Feb 63
Date	Indexed [illegible] J. GAIN

F. B. 3109 PG. 105



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

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76F309S CE #310 6-62

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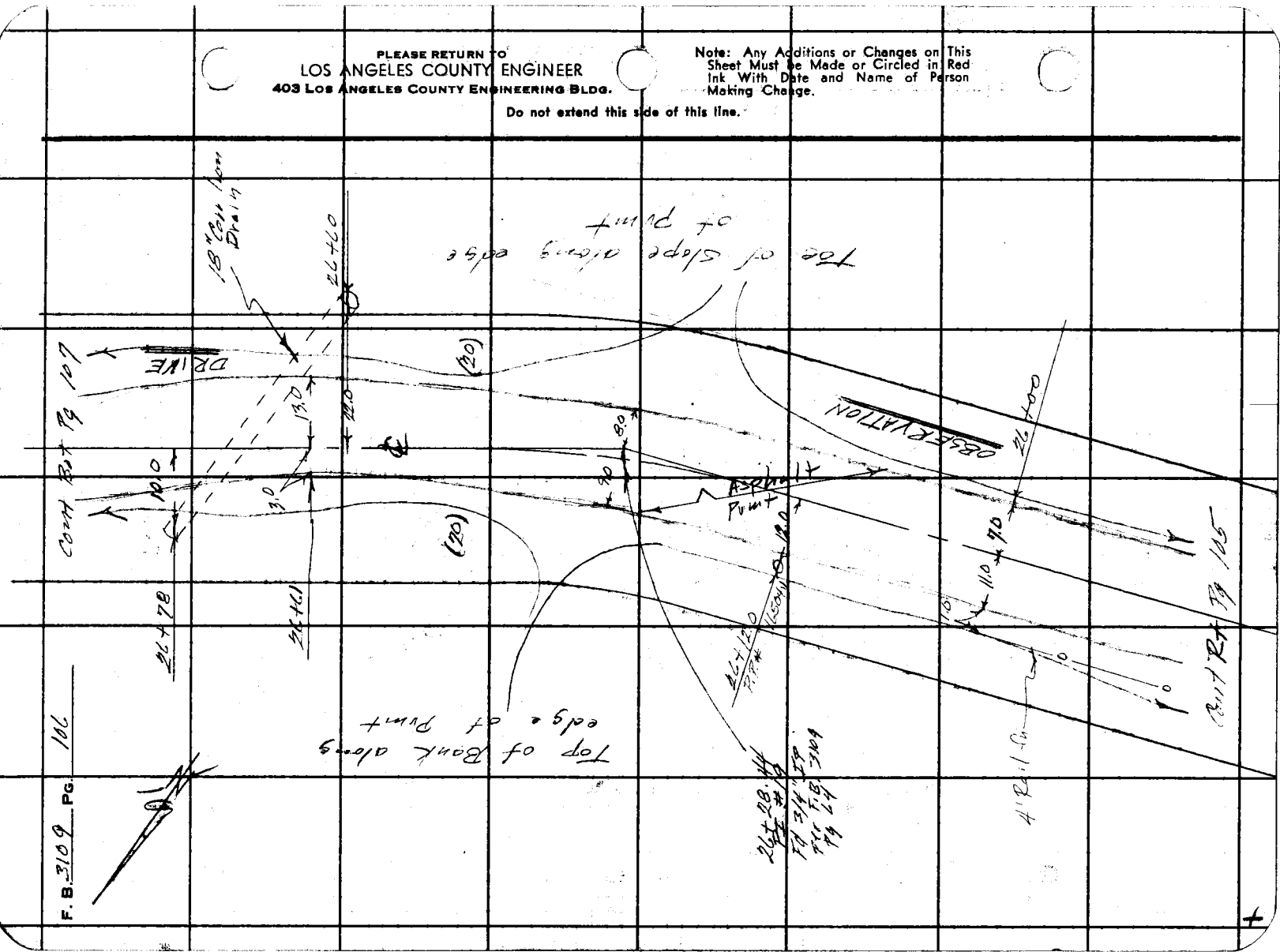
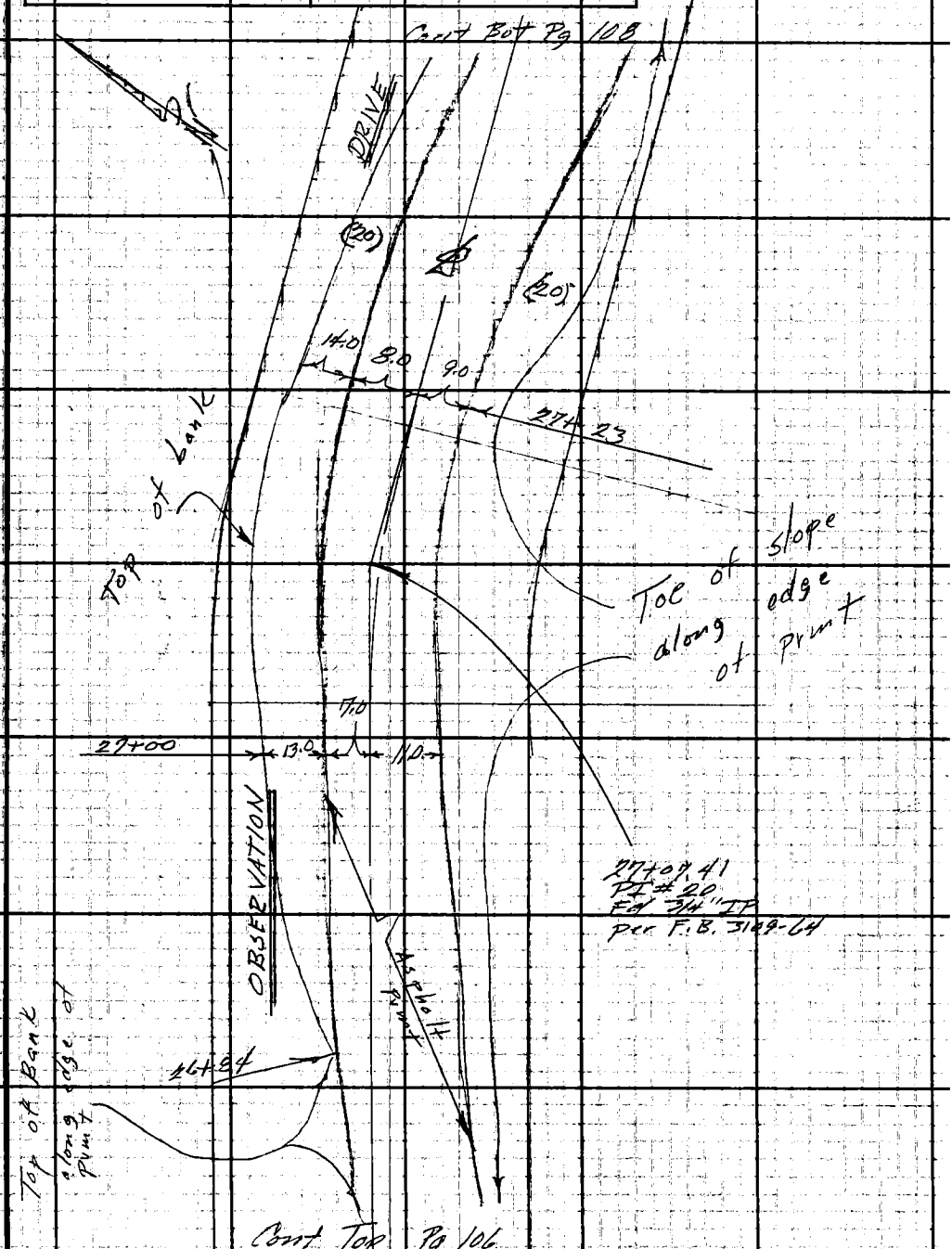


Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 29 Feb 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 107



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

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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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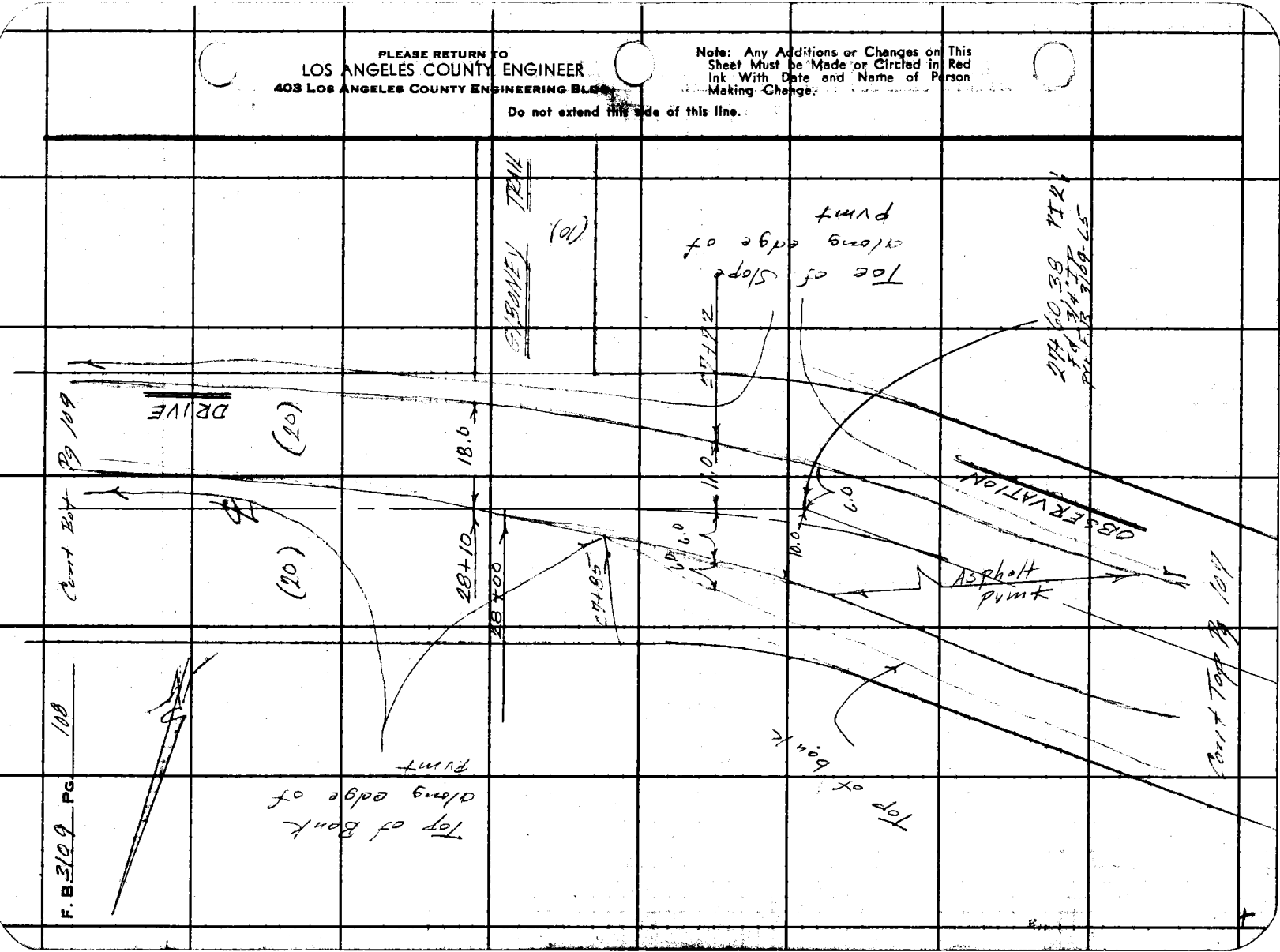
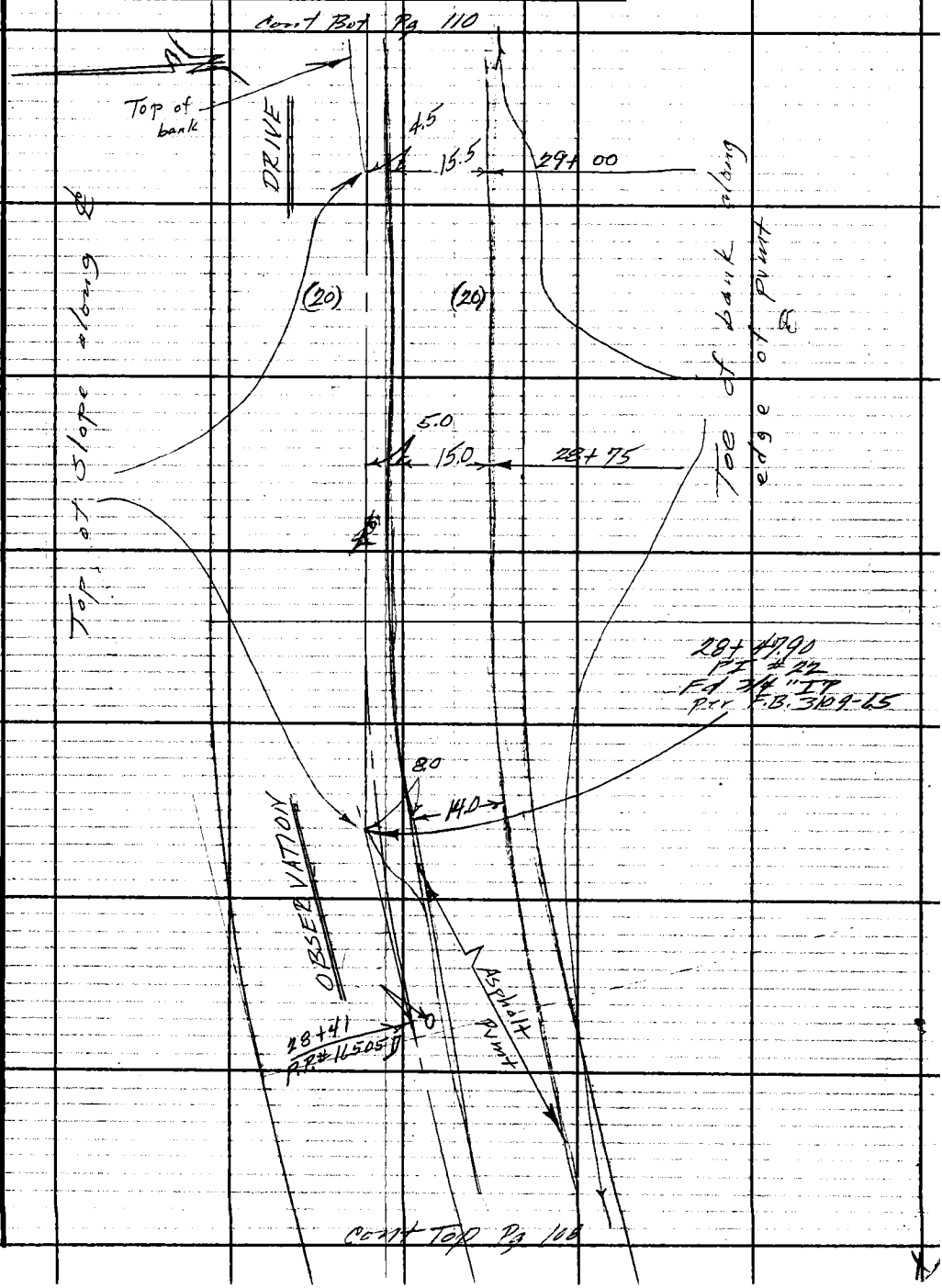


Notes Ck'd by	Survey of Fernwood Peak	F. B. 3109 Pg. 109
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 27 Feb 63	
Date	Indexed C. J. GALLI	



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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.
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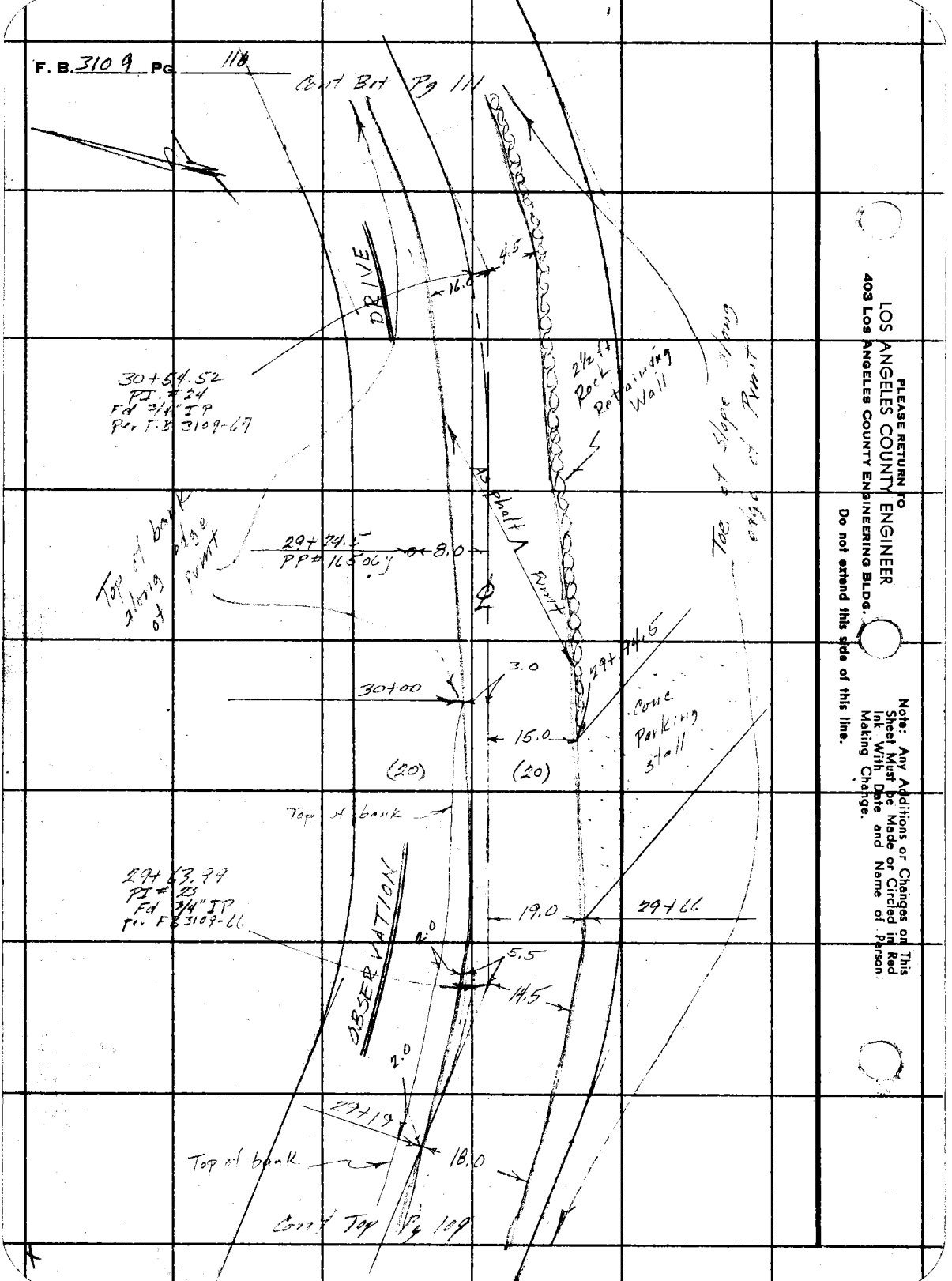
76F3095 CE # 310 3-61

F. B. 3109 Pg 118



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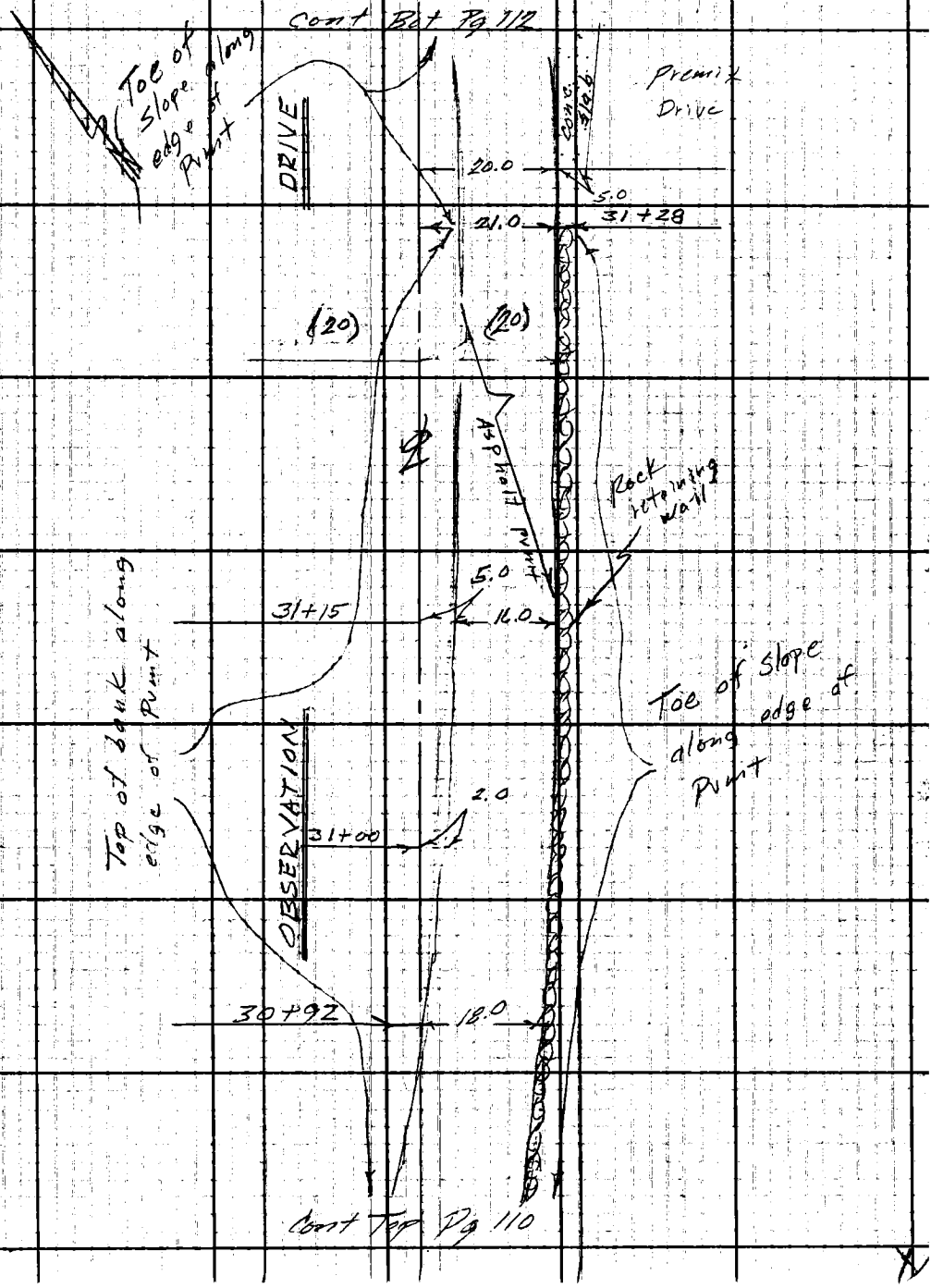
Notes Ck'd by	Survey of Firwood Park
Map No.	JN 22/5 T. 11 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 27 Feb 63
Date	Indexed R. J. GALLI

F. B. 310 PG. 111



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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F. B. 3109 PG 112

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Notes Ck'd by	Survey of Fernwood Park
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Noted F. E. Brooks Date 27 Feb 63
Date	Indexed R. J. GALLI

F. B. 3104 PG. N3

Cont Top Pg 114

Toe of Slope along edge of Pvmt

DRIVE

Dirt Drive

(20) (20)

34+41

Asphalt

10.0 10.0 6.0 33+50

33+41 10.0

8.5 33+18 PPM 262.93y

8.5 33+13 8" Oak

Top of bank along edge of Pvmt

Toe of slope edge of pvmt along

OBSERVATION

18.0 5.5 33+00

25.0 2.0 32+90

Top of bank

Cont Lft Pg 112

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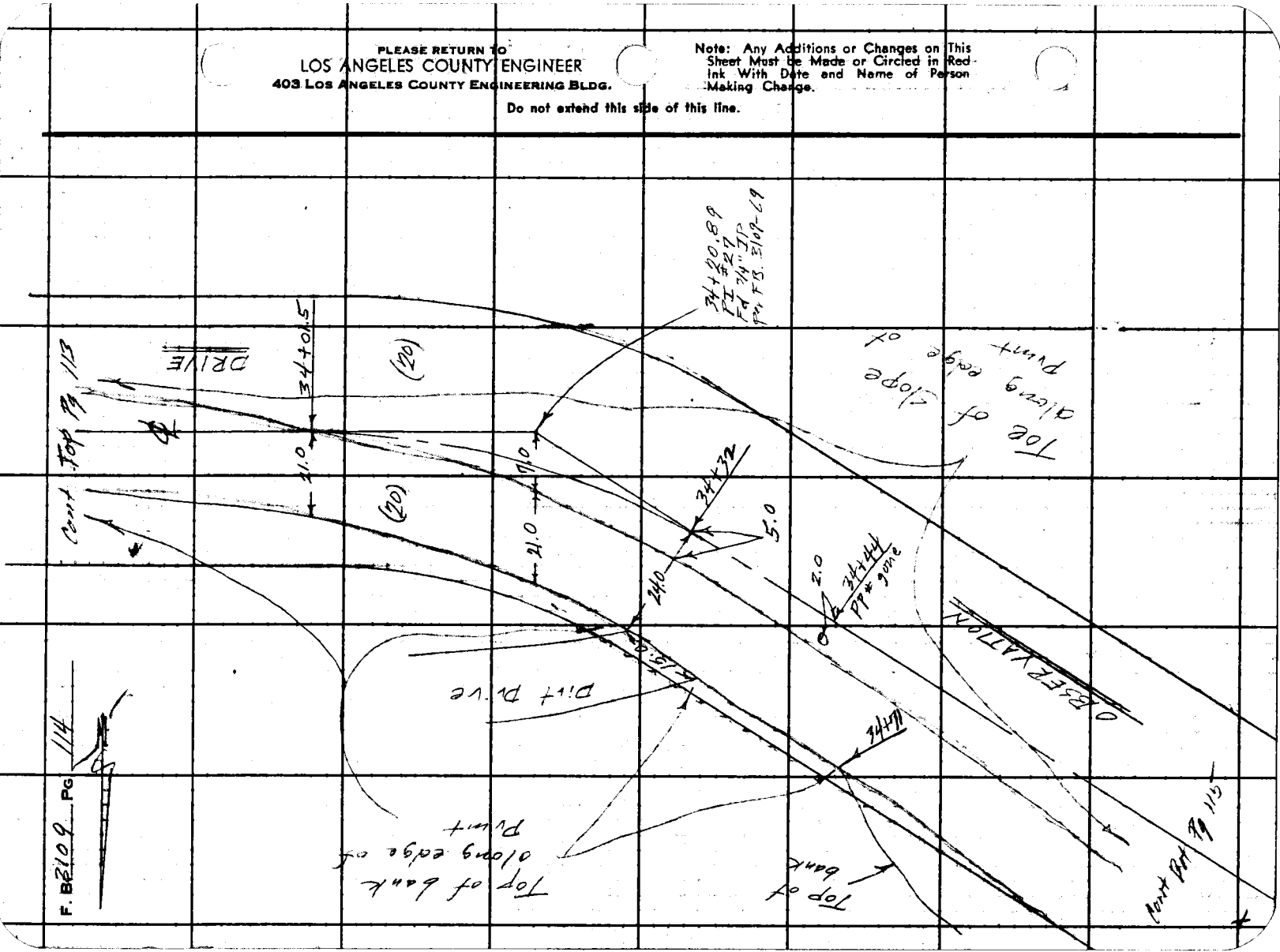
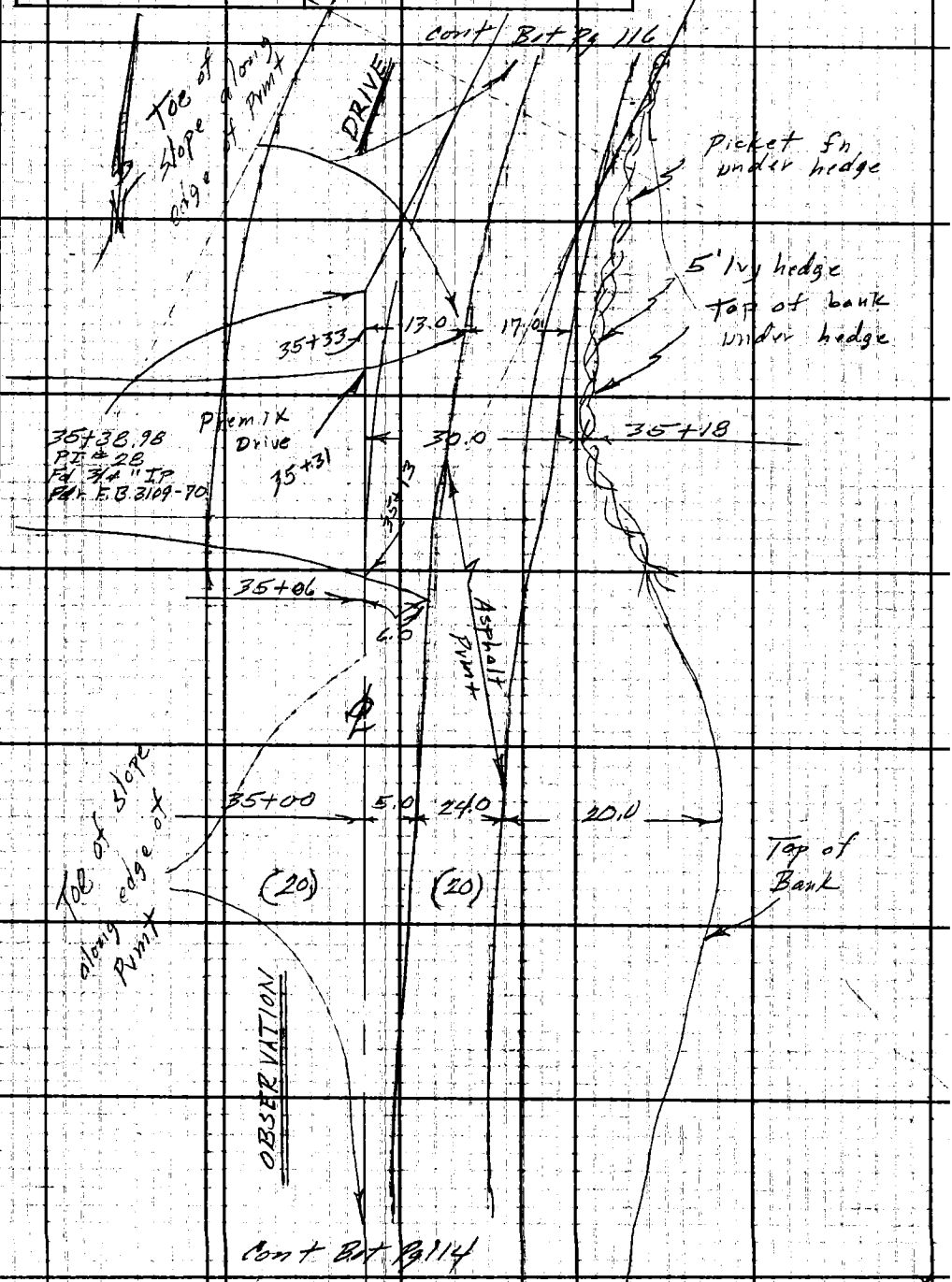


Notes Ck'd by	Survey of Fernwood Peck	F. B. 3109 Pg. 115
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 27 Feb 63	
Date	Indexed C. J. GALLY	



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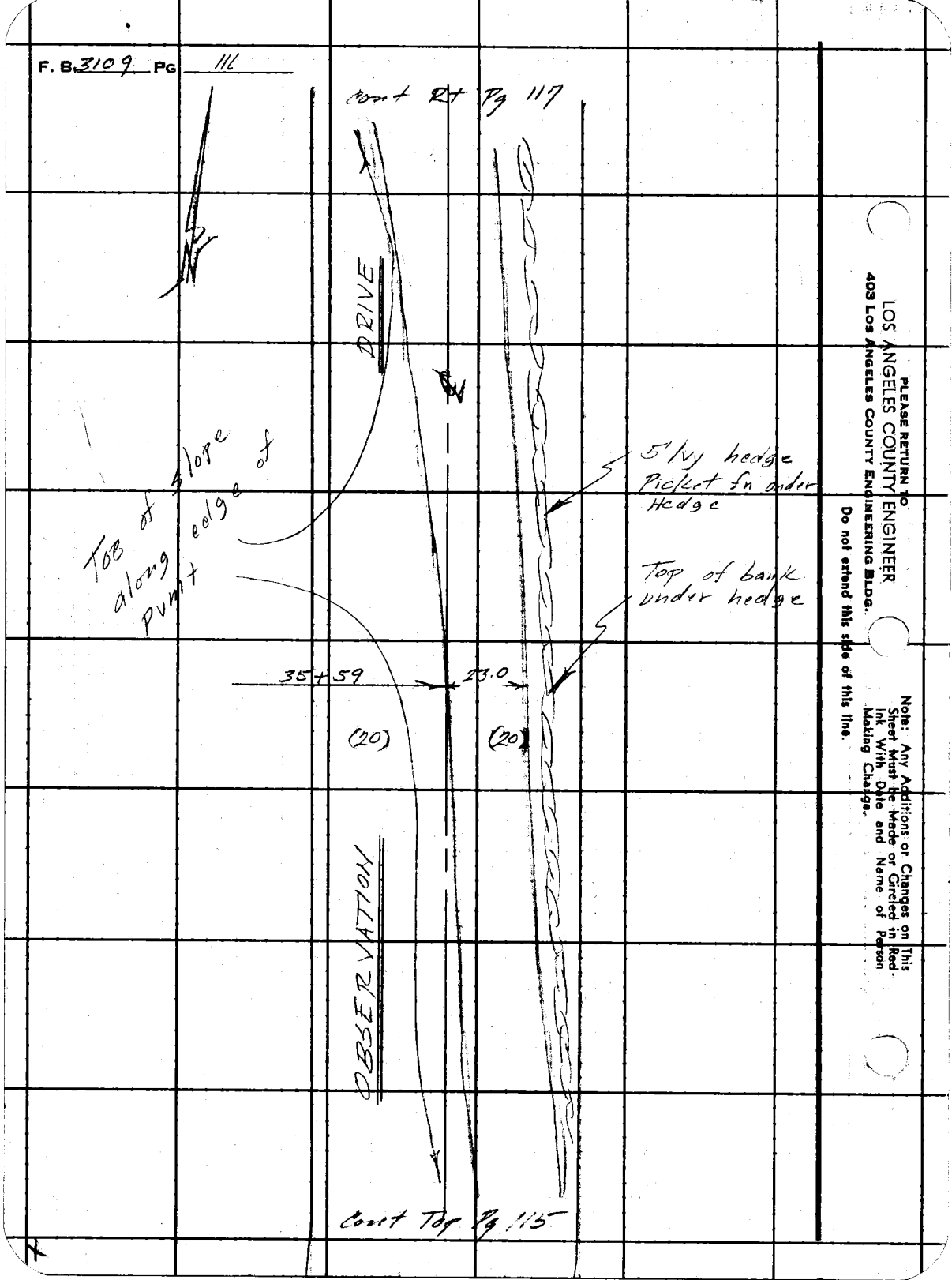
76F 309S CE #310 6-62

F. B. 3109 PG 116



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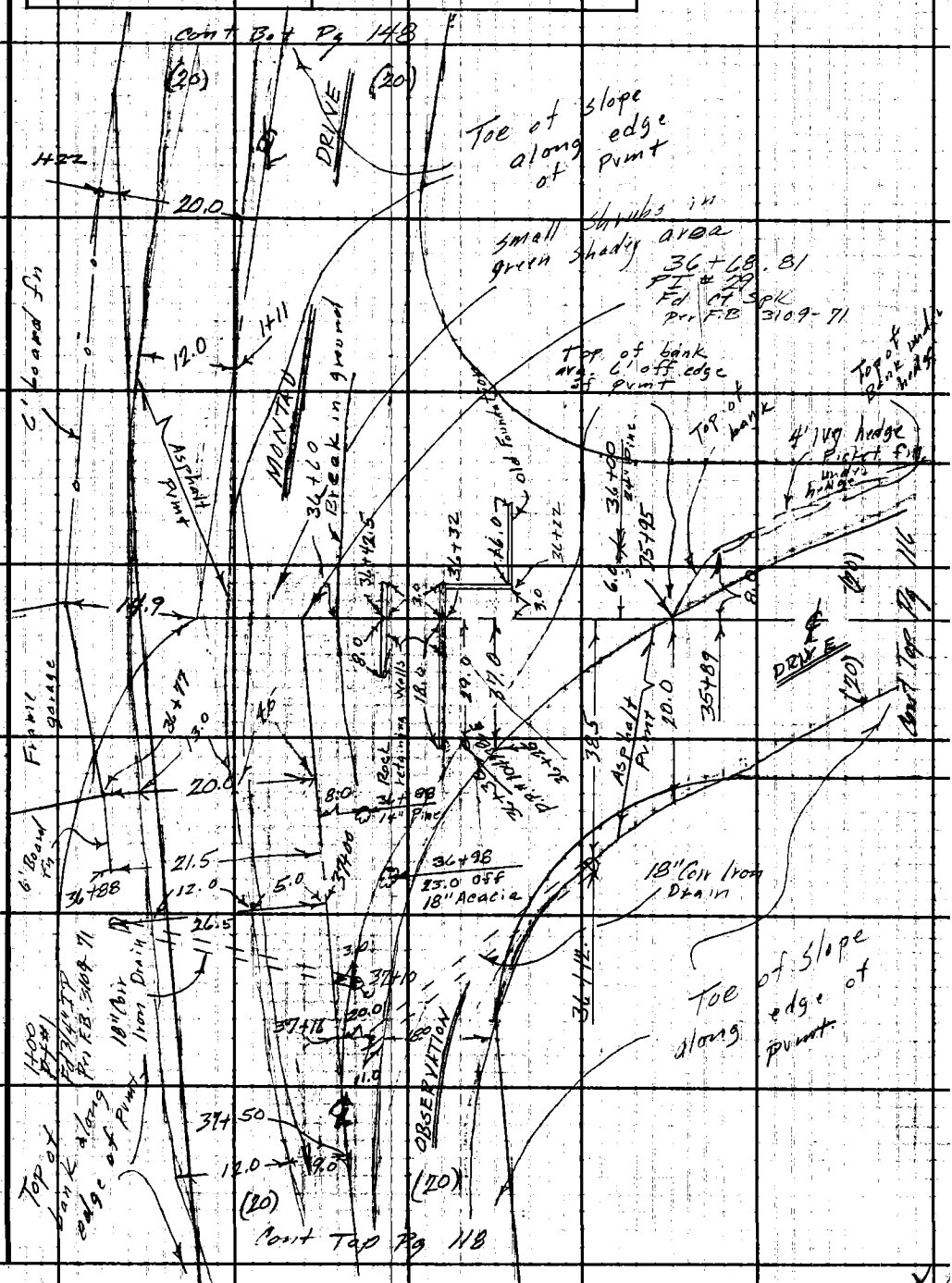
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 27 Feb 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 117



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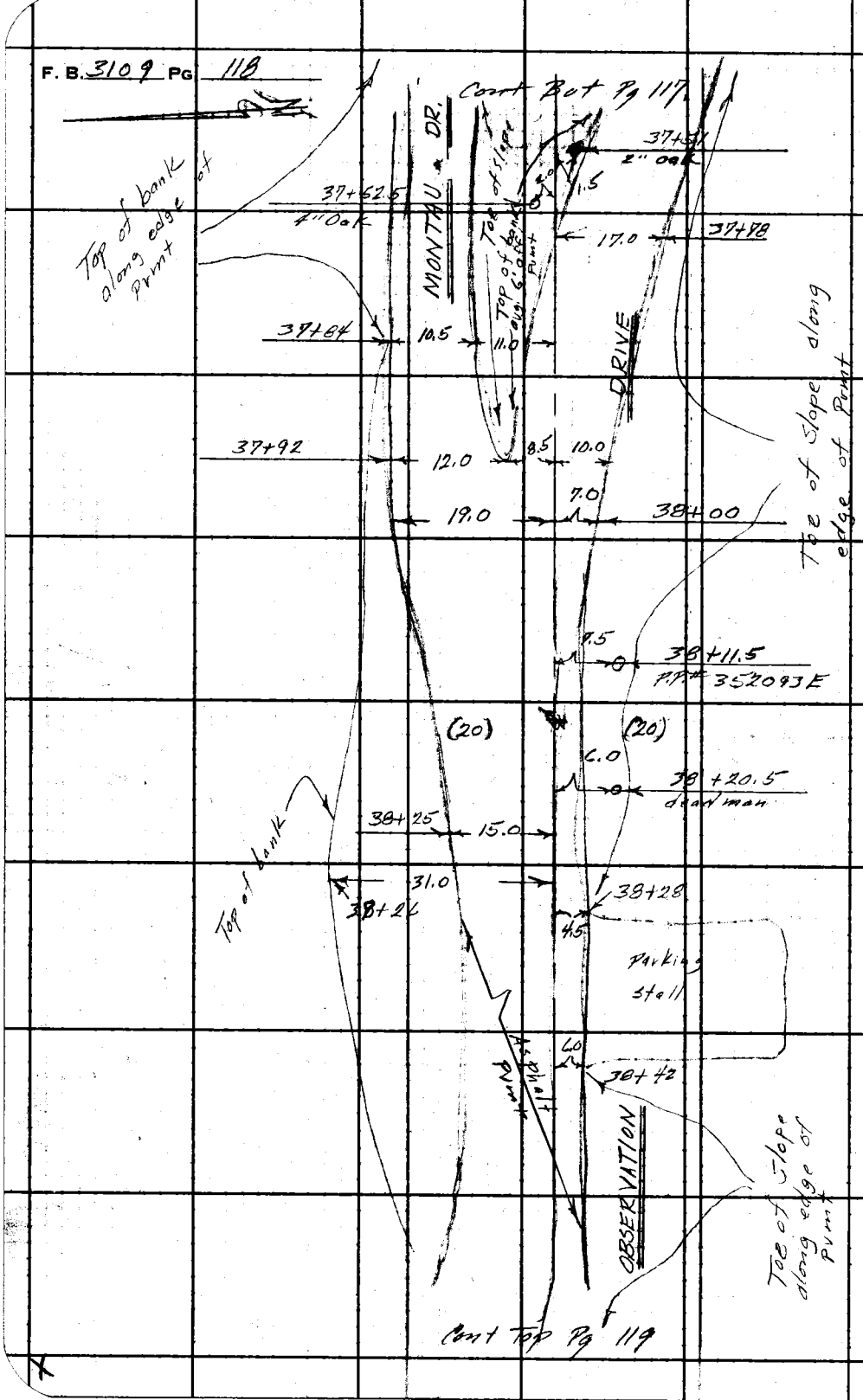
F. B. 3109 PG 118



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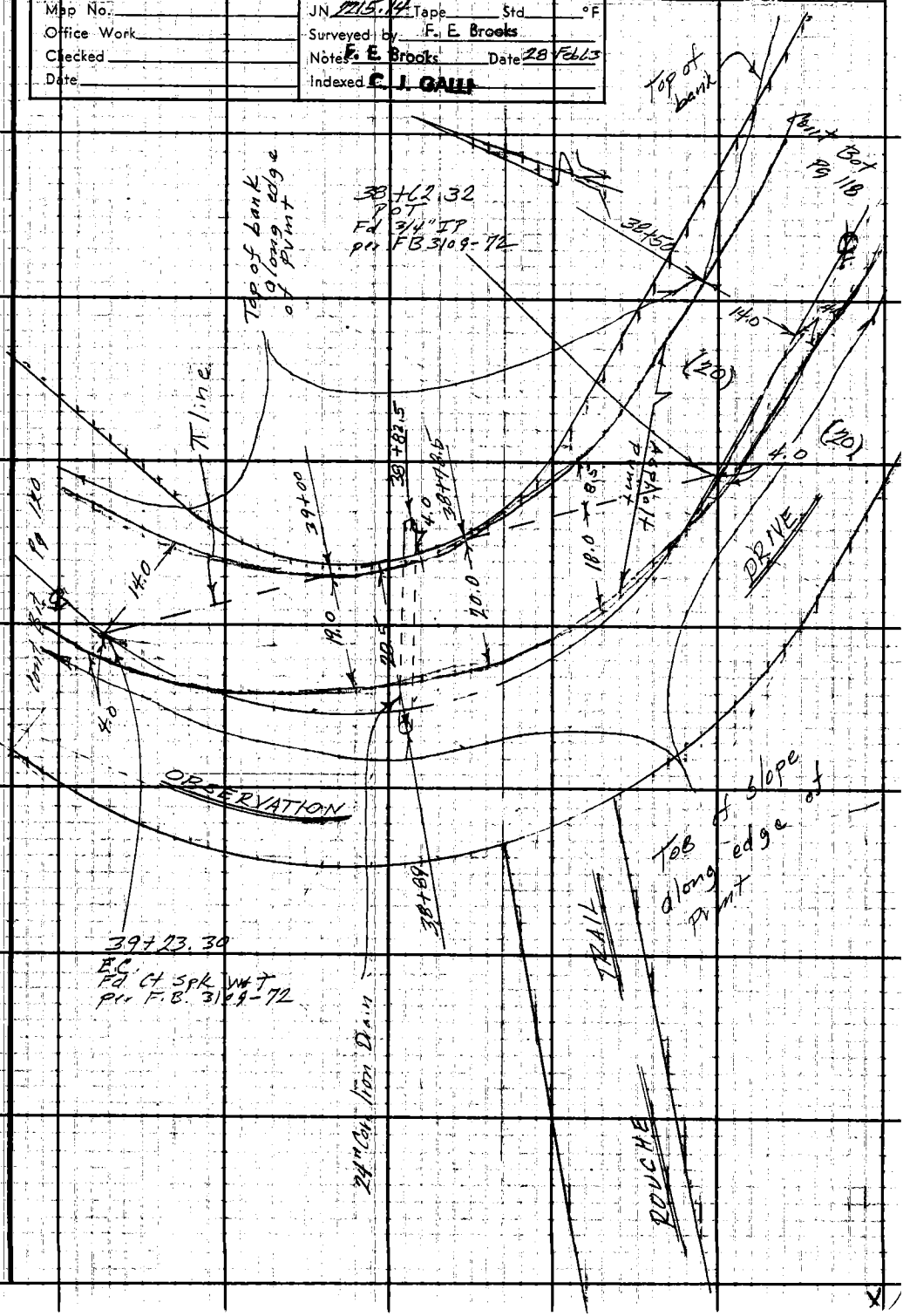
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 28 Feb 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 119



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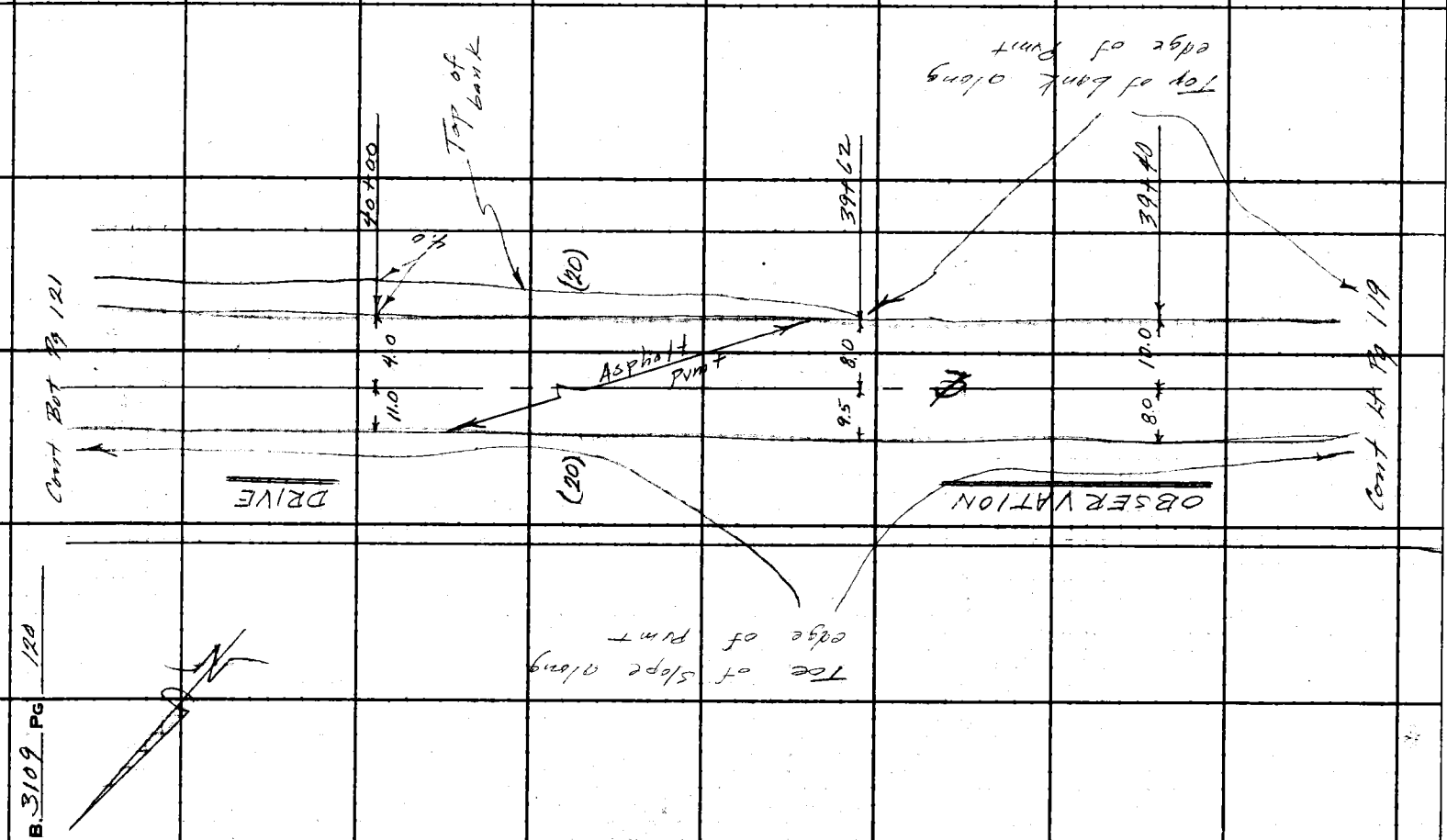
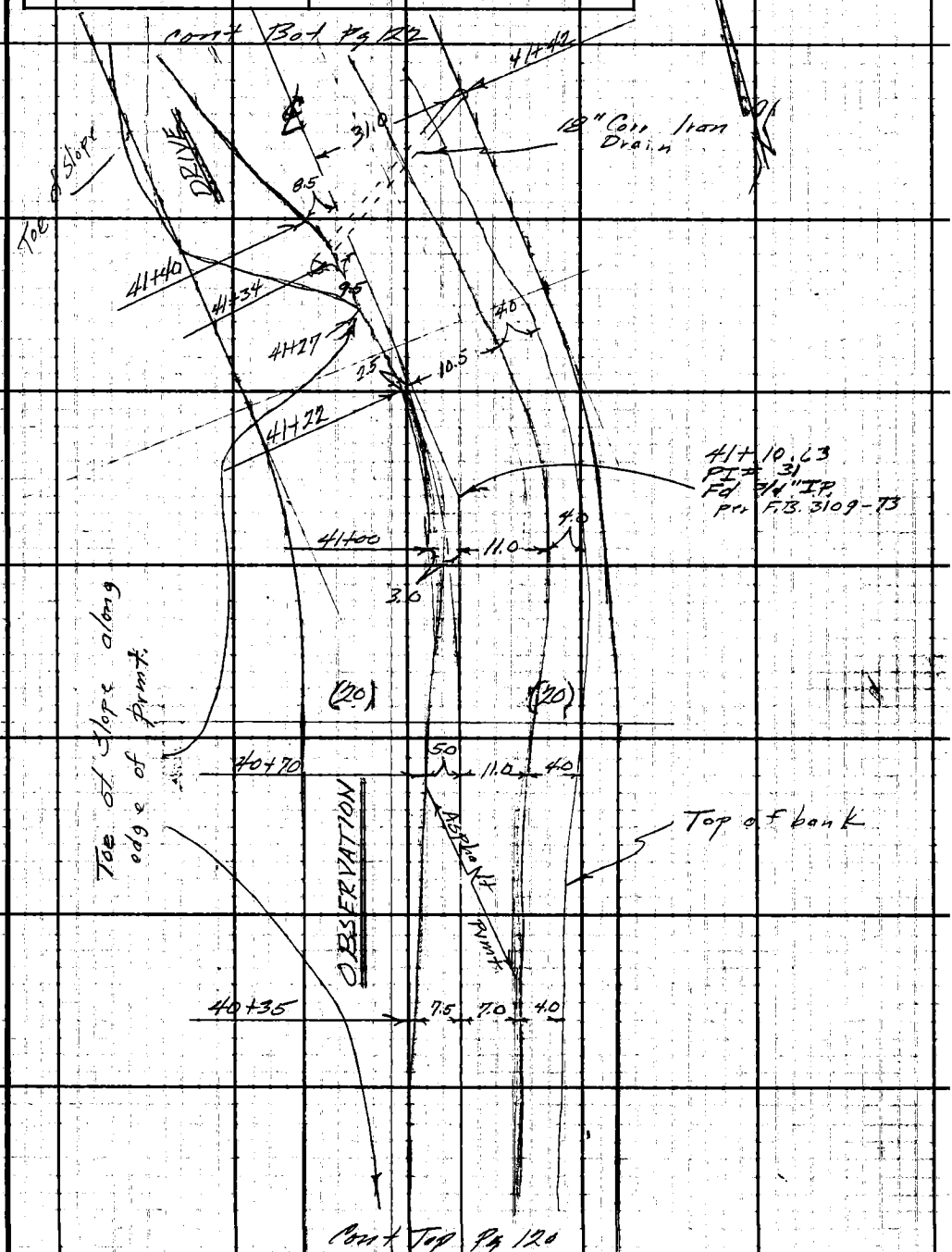


F. B. 3109 PG 120

Notes Ck'd by	Survey of Fernwood Peck	F. B. 3109 PG. 121
Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date 28 Feb 63	
Date	Indexed C. J. GALLI	



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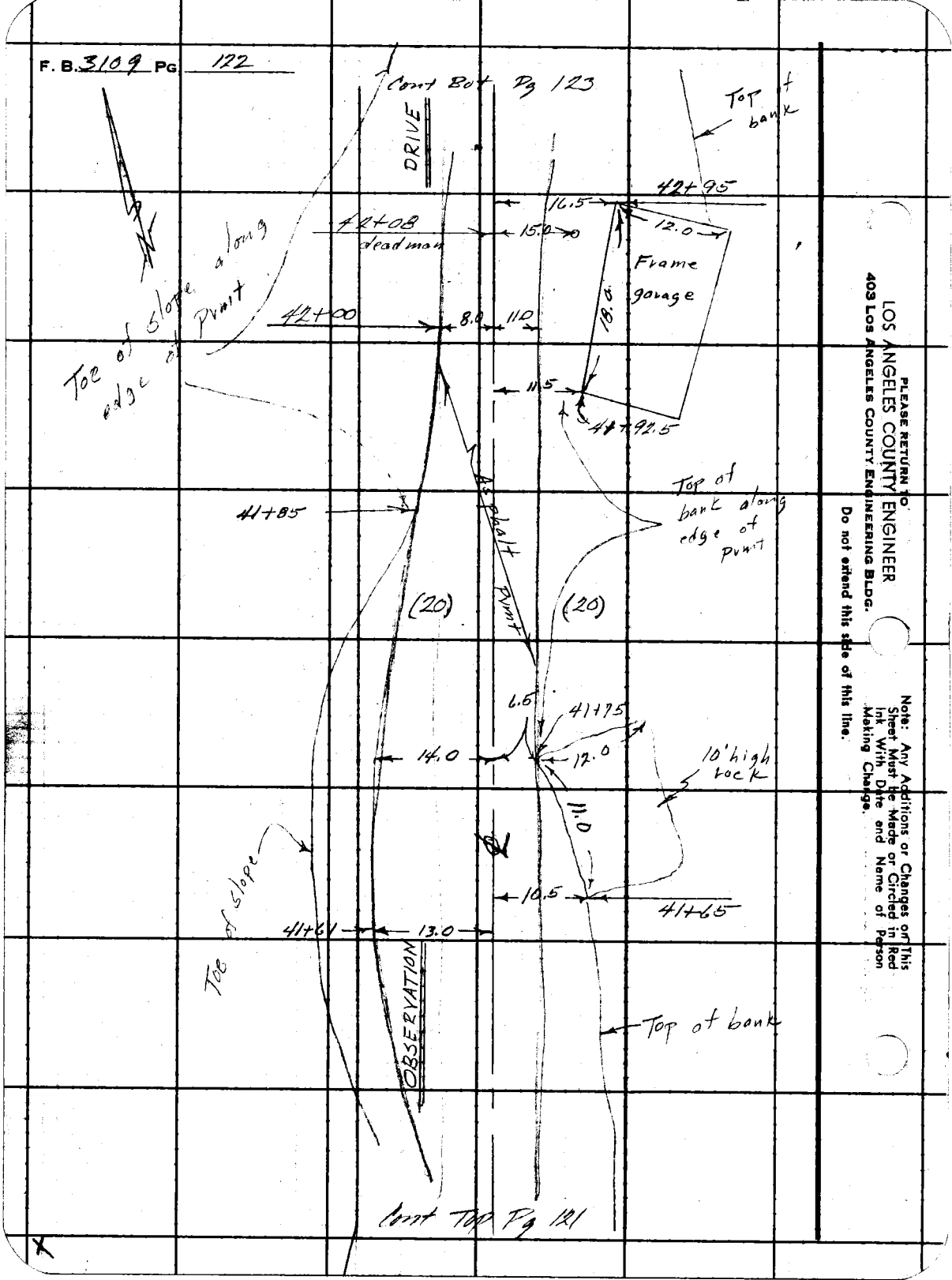
76F 3095 CE #310 6-62

F. B. 3109 PG. 122



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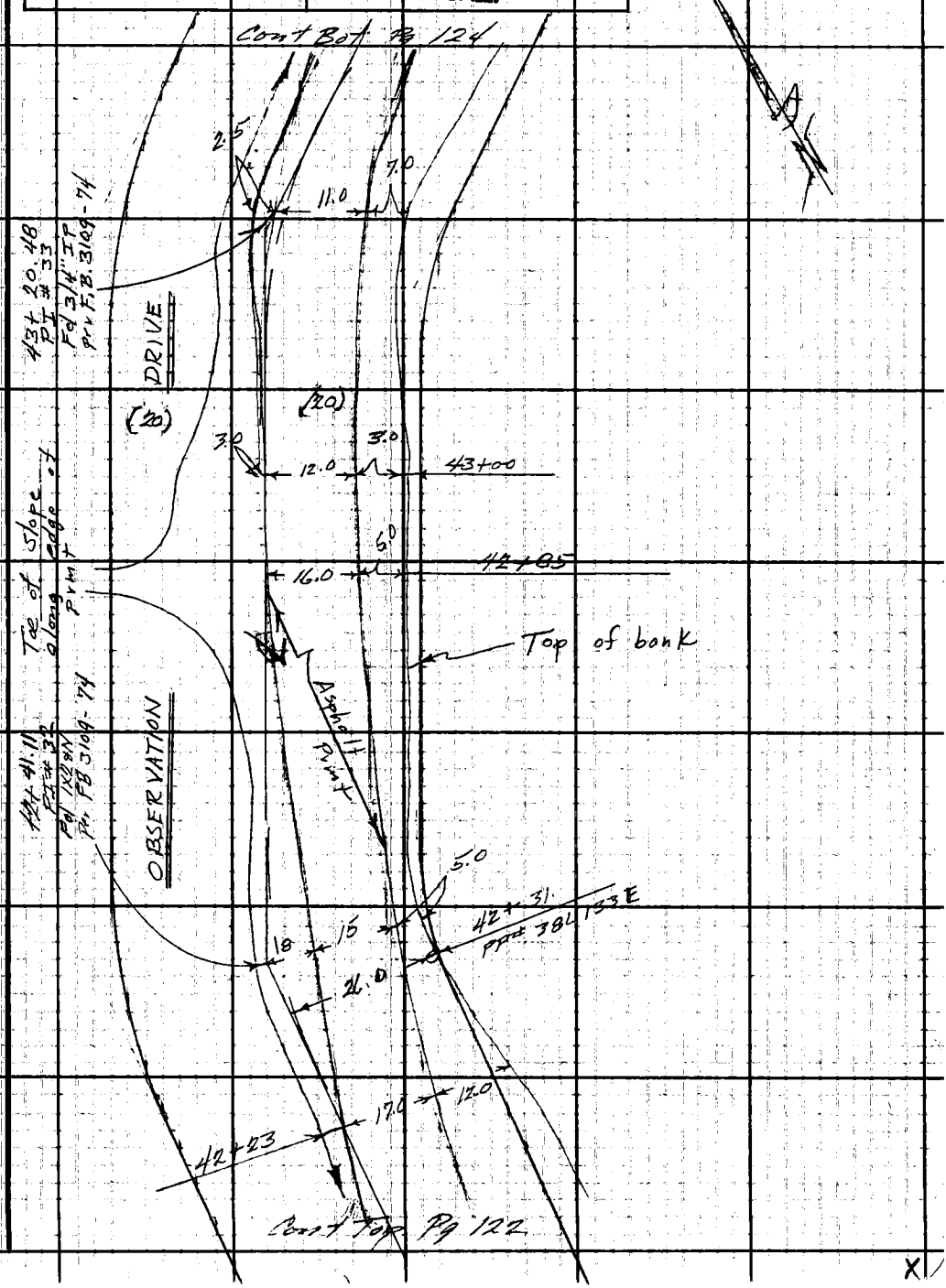
Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 28 Feb 63
Date	Indexed C. J. GREEN

F. B. 3109 PG. 123



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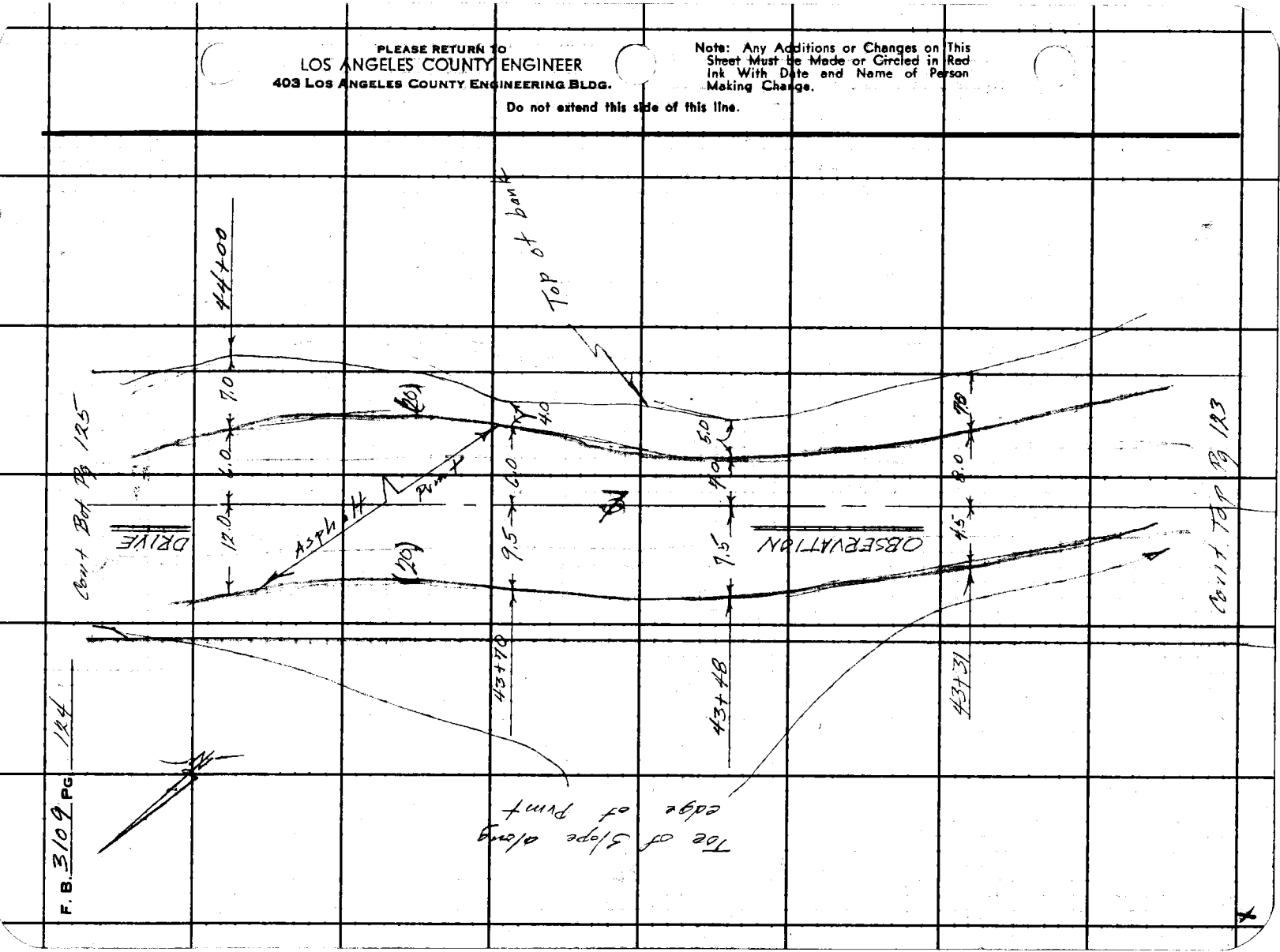
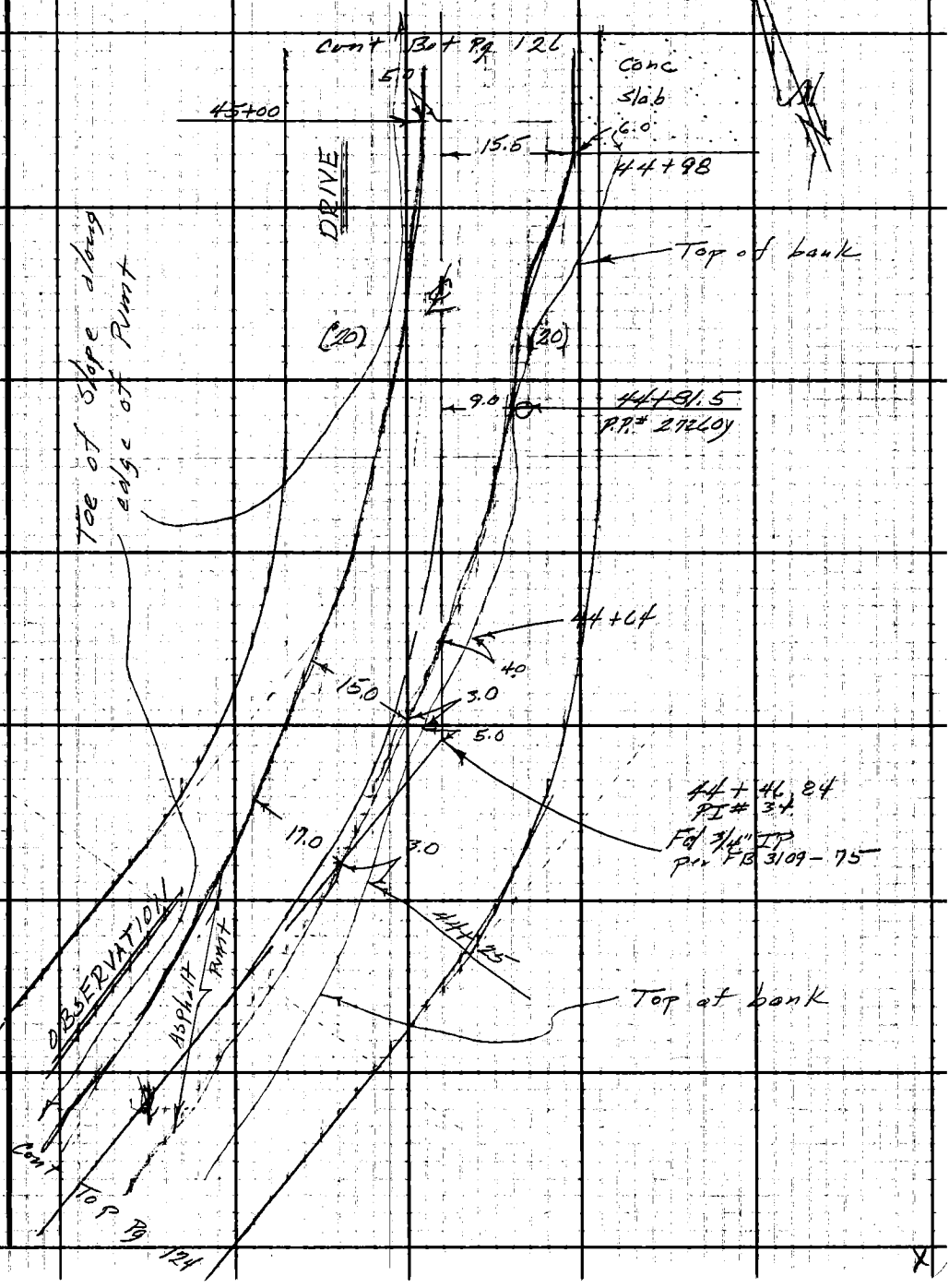


Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 28 Feb 63
Date	Indexed R. J. GALLI

F. B. 3109 PG. 125



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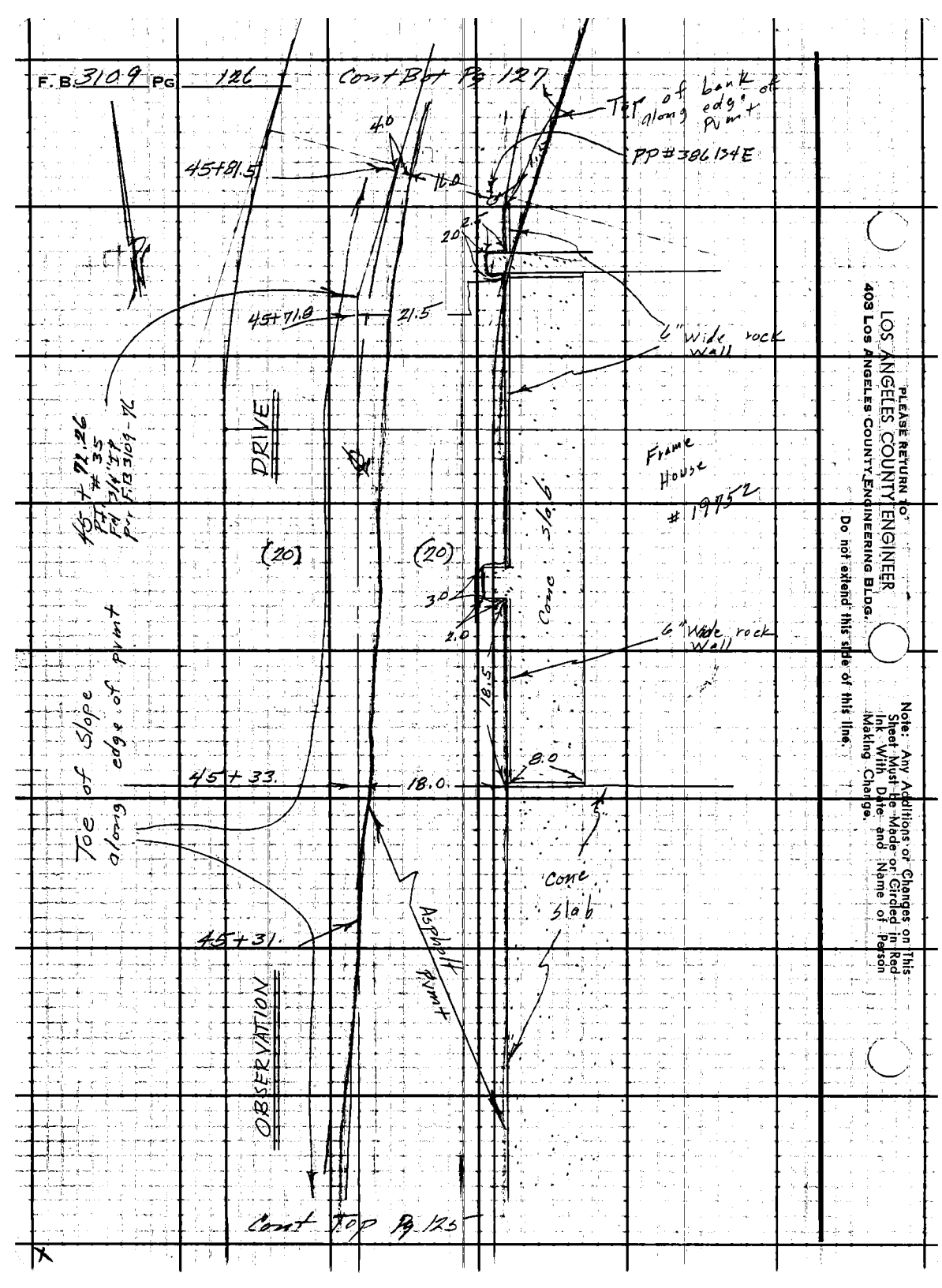
F.B. 3109 PG 126
Cont Bot Pg 127
Top of bank along edge of Pvmt
PP#386134E
4.0
45+81.5
16.0
2.5
2.0
45+71.8
21.5
6" wide rock wall
45+72.26
Pt #35
Fd 3/4" IP
Pr F.B. 3109-76
DRIVE
Frame House #19752
(20)
(20)
Conc slab
3.0
2.0
6" Wide rock wall
18.5
8.0
45+33.
18.0
Toe of Slope along edge of pvmt
Conc slab
Asphalt Pvmt
45+31.
OBSERVATION
Cont Top Pg 125
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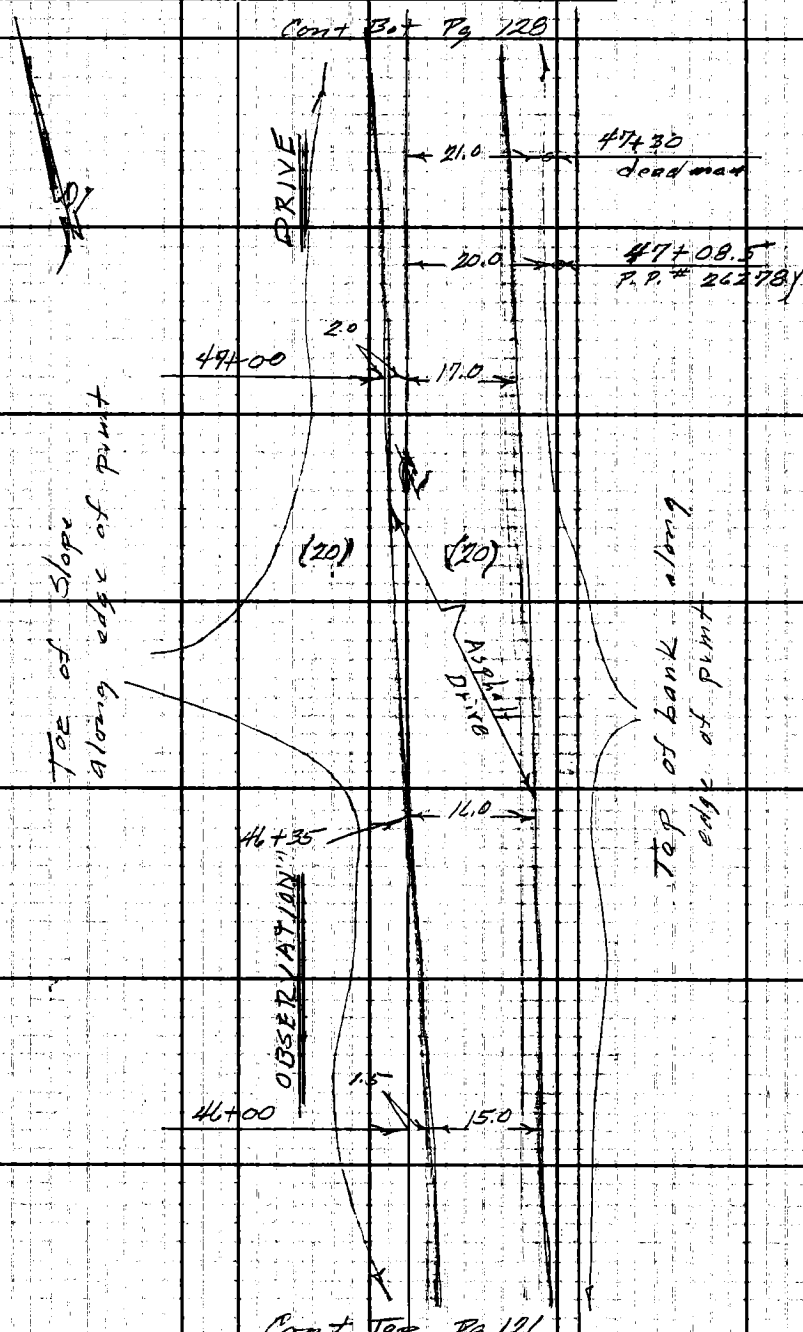
Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 28 Feb 63
Date	Indexed E. J. GALLI

F. B. 3109 PG. 127



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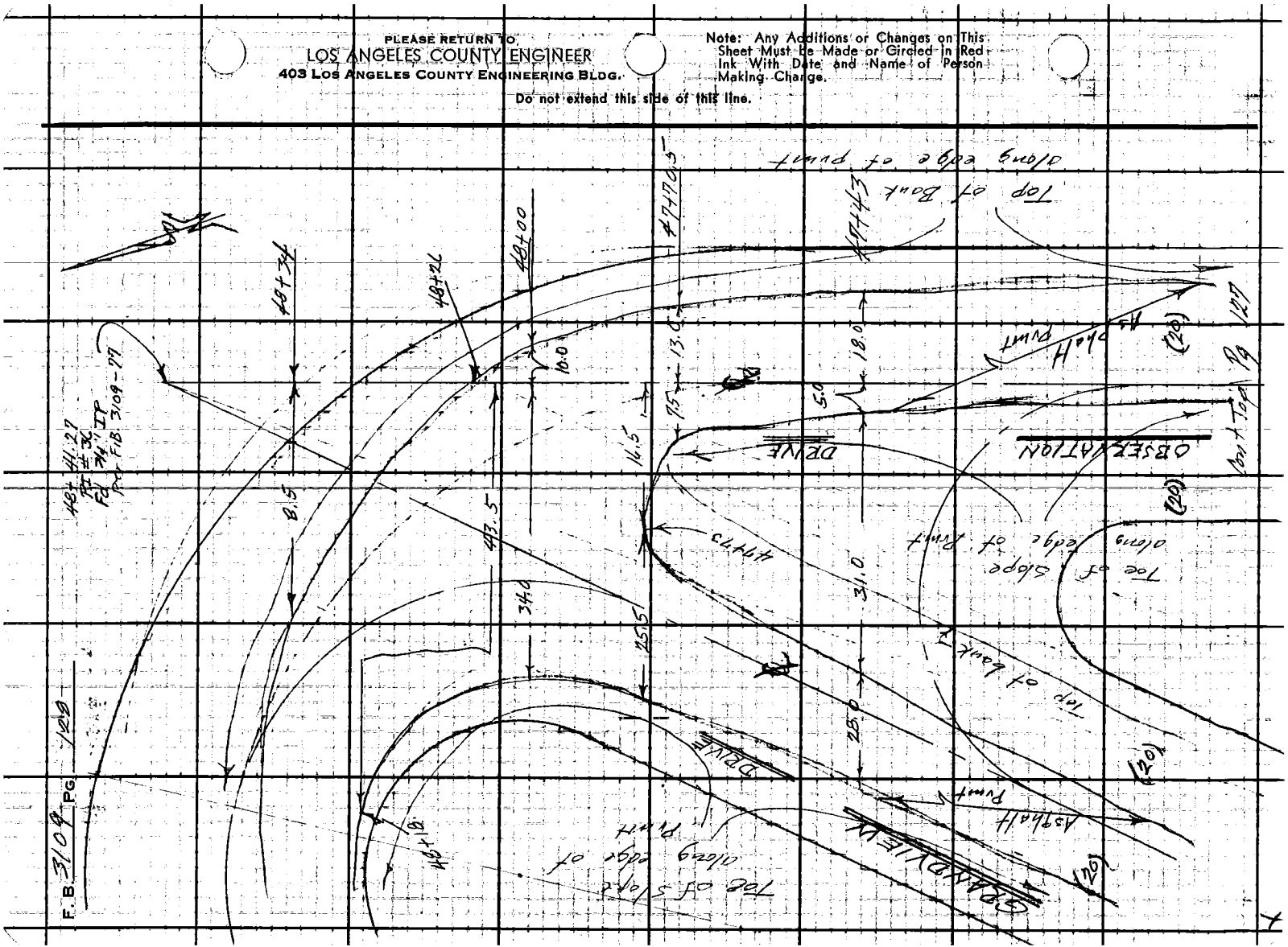

Profile No. | Notes Red | Plotted | Job No. 2215.14 | Division No. 11 | F. B. 3109 Pg. 129

Date | Date | Survey of Fern Wood Peak

X-Sec. No. | Notes Chkd. Date | Checked Date | Survey by F. E. Brooks | Notes K.M.K Date 2-27-63

Map No. | Indexed R. J. GALLI Date MAR 7 '63

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

J.N. 2215.14

Z II A

FERNWOOD PEAK

TOPANGA - EAST MALIBU

LOCAL WATER SYSTEM

IMPROVEMENT

PROFILE

on

OBSERVATION DRIVE

From Croydon Lane

To Observation Drive

F.E. Brooks
K M Kapp
G E Cook
F Martinez
C.G. Valdez

76L-298 S & E #307—1-56

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
BM F-2	2 78	1287 32		1284 54	BM F-2 Elev. = 1284.541 F.B. 3108-23 Std. Br. Cap mon. up 3" @ Ints. Fernwood Pacific Dr. & Bainum Dr. on N.W. Cor. middle of curve 2' N. of edge of Rd., 2" I.P. marker pipe up 4'- 1' South of B.M.
T.P.	11 73	1298 85	0 20	1287 12	
T.P.	10 60	1309 00	0 45	1298 40	
T.P.	0 64	1303 58	6 06	1302 94	
T.P.	0 44	1293 03	10 99	1292 59	
T.P.	0 62	1282 21	11 44	1281 59	
T.P.	11 92	1282 93	11 20	1271 01	
T.P.	11 59	1294 33	0 19	1282 74	
T.P.	11 92	1306 00	0 25	1294 08	
T.P.	11 31	1316 75	0 56	1305 44	
T.P.	10 97	1327 54	0 18	1316 57	
T.P.	12 00	1339 24	0 30	1327 24	
T.P.	10 75	1349 41	0 58	1338 66	
T.P.	11 35	1360 43	0 33	1349 08	
T.P.	11 34	1371 51	0 26	1360 17	
T.P.	6 51	1369 66	8 36	1363 15	

F. B. 3109 PG. 130 Job No. 2215.14 Division No. 11 Notes Red Date Plotted Date No. Profile
Survey of Fernwood Peak Notes Chkd Date Checked Date No. X-Sec.
Survey by E. E. Brooks Notes K. M. Kapp Date
Indexed C. J. GALLI

76L-298 S & E #307—1-56

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Profile Notes Red Plotted Job No. 2215.14 Division No. 11 F. B. 3109 Pg. 131
No. X-Sec. Date Date Survey of Fernwood Peak
Notes Chkd. Checked Survey by F. E. Brooks Notes K.M.K. Date 2-27-63
No. Date Date Map No. Indexed E. J. GALL Date

STATION	B. S.	H. I.	F. S.	ELEV.		
~		1369 66✓				
T.P.	5 20	1368 81✓	6 05	1363 61✓		
1+00			7 8	1361 0✓	ground	℄ observation Pk. Pg. 82
1+06			7 8	1361 0✓		℄ Aot brk ground
1+17			4 0	1364 8✓		℄ top brk "
1+62			1 05	1367 76✓		℄ West edge pvt.
T.P.	10 81	1379 1✓	0 51	1368 30✓		
2+00 P.I.#1			6 77	1372 34✓		℄ pvt.
2+13.72 P.I. #2			5 00	1374 11✓		℄ pvt. over 3/4" I.P. Pg. 82
2+84.73			2 35	1376 76✓		℄ " " " " Pg. 83
3+00			1 92	1377 19✓		℄ pvt.
3+25			1 87	1377 24✓		℄ top brk pvt.
T.P.	1 02	1373 34✓	6 79	1372 32✓		
4+00 P.I.#3			1 87	1371 47✓		℄ pvt.
4+23.52			5 28	1368 06✓		℄ pvt. over 3/4" I.P. Pg. 84
T.P.	0 72	1362 43✓	11 63	1361 71✓		
5+00			5 10	1357 33✓		℄ N. edge pvt.
T.P.	0 83	1352 06✓	11 20	1351 23✓		
5+46 ±			3 82	1348 24✓	15 ±	S. Invert 15" Corr. Iron Drain Pg. 85
5+64 ± P.I.#4			8 32	1343 74✓	4 ±	N. " " " " " " "
5+80.79			3 9	1348 ✓		℄ ground over 3/4" I.P. Pg. 86

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
P.I. #4 5+80.79		1352 06	3 22	1348 84	5.5 S. of P.I. #4 N. edge pvt.
6+00			4 49	1347 57	℄ N. edge pvt.
T.P.	0 80	1341 88	10 98	1341 06	
7+00			3 70	1338 18	℄ pvt.
P.I. #5 7+15.43			5 85	1336 03	℄ pvt. over 3/4" I.P. Pg. 88
T.P.	0 74	1331 15	11 47	1330 41	
P.I. #6 7+79.46			6 03	1325 12	℄ pvt. over 3/4" I.P. Pg. 89
7+98.0			8 90	1322 25	12.5 S. Conc. over 22" Corr. I.P. (approx. 3' above) Pg. 89 Inver.
8+00			9 68	1321 47	℄ pvt.
T.P.	0 24	1319 91	11 48	1319 67	
8+12.5			6 69	1313 22	8.5 N. Invert 22" Corr. I.P. Pg. 89
T.P.	0 83	1309 03	11 71	1308 20	
9+00 T.P.	0 49	1298 32	11 20	1297 83	℄ pvt.
9+09.5			2 99	1295 33	℄ N. edge pvt.
P.I. #7 9+22.97			8 08	1290 24	℄ 3/4" I.P. Pg. 90
"			5 50	1292 82	4.0 S. N. edge pvt.
9+33			7 85	1290 47	℄ N. edge pvt.
T.P.	0 84	1287 51	11 65	1286 67	
9+94			11 50	1276 01	℄ S. edge pvt.
10+00			11 8	1275 71	℄ ground bot. brx
10+10			10 3	1277 21	℄ " top

F. B. 3109 Pg. 132 Job No. 2215.14 Division No. 11 Notes Red Date Plotted Date Profile No. X-Sec. No.

Survey of Fernwood Peak Survey by E. E. Brooks Notes K. M. Kapp Notes Chkd Checked Date

Indexed [illegible] Date

7

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
P.I. #8 10+13.87		1287 51	10 40	1277 11		℄ 3/4" I.P. Pg. 91
T.P.	0 27	1276 41	11 37	1276 14		
P.I. #8 10+13.87			4 58	1271 83	8° N. S. edge pvt.	
10+22			3 1	1273 31		℄ top brk.
10+38			9 85	1266 56		℄ bot. " pvt.
T.P.	0 26	1264 89	11 78	1264 63		
10+72			5 18	1259 71		℄ S. edge pvt.
11+ 00			9 70	1255 19		℄ pvt.
T.P.	0 66	1254 02	11 53	1253 36		
T.P.	0 46	1242 80	11 68	1242 34		
12+00			5 00	1237 80		℄ pvt.
12+28 (T.B.M. #1)			8 34	1234 46		℄ S'ly. edge pvt.
12+44.40	0 41	1231 51	11 70	1231 10	T.B.M. #1 top brk. 1x2 & N. Pg. 93 Ints. ℄ Observation Dr. & T/L Stites Dr.	
T.P.	0 43	1220 41	11 53	1219 98		
13+00			3 0	1217 41		℄ ground
13+10			5 5	1214 91		℄ top brk.
13+18			9 2	1211 21		℄ bot. "
T.P.	9 58	1218 65	11 34	1209 07		
Pt. #9B (T.B.M. #2) 13+36.93			10 40	1208 25	T.B.M. #2	℄ 3/4" I.P. Pg. 93
13+ 80			7 2	1211 45		℄ bot. brk.
13+ 88			4 5	1214 25		℄ top "

Profile Notes Red. Plotted Job No. 2215.14 Division No. 11 F. B. 3109 Pg. 133
No. Date Date Survey of Fernwood Peak
X-Sec. Notes Chkd. Checked Survey by E. E. Brooks Notes K.M.K. Date 2-27-63
No. Date Date Map No. Indexed C. J. Gauf Date

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F. B. 3109 Pg. 134 Job No. 2215.14 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Fernwood Peak Date ____ No ____ X-Sec: ____
Survey by E. E. Brooks Notes K.M. Kapp Notes Chkd ____ Checked ____
Indexed E. J. Ball Date ____ Date ____ Date ____ No ____

STATION	B. S.	H. I.	F. S.	ELEV.	
14+00		1218 65	3 0	1215 65	℄ ground
T.P.	4 55	1222 43	0 77	1217 88	
14+21 ±			2 90	1219 53	19 ± W. Invert 12" Corr. Iron Drain Pg. 94
14+22			1 66	1220 77	℄ S. edge pvt
14+25 ±			11 00	1211 43	18 ± E. Invert 12" Corr. Iron Drain Pg. 94
14+86 ± pt. #9C			3 45	1218 98	℄ E. edge pvt.
14+88.79			4 36	1218 07	℄ 3/4" I.P. Pg. 94
"			3 63	1218 80	0 ± W. E. edge pvt.
14+90 ±			3 82	1218 61	℄ E. edge pvt.
15+00			4 22	1218 21	℄ pvt.
T.P.	0 45	1211 71	11 17	1211 26	
16+00 P.I. #10			1 43	1210 28	℄ pvt.
16+21.22			4 70	1207 01	℄ pvt. over 3/4" I.P. Pg. 96
T.P.	0 66	1200 55	11 82	1199 89	
17+00			4 40	1196 15	℄ pvt.
T.P.	0 34	1189 15	11 74	1188 81	
18+00			6 73	1182 42	℄ pvt
18+02			7 00	1182 15	℄ S. edge pvt. toe of slope
18+14 P.I. #11			3 0	1186 75	℄ top bnk
18+29.12			2 29	1186 86	℄ 3/4" I.P. Pg. 98
18+34			2 9	1186 25	℄ top bnk.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
18+40		1189 15	10 50	1178 65		℄ pvt. toe of slope
T.P. 18+48	0 41	1177 73	11 83	1177 32		℄ W. edge pvt
19+00			9 26	1168 47		℄ pvt.
19+04			o.k. 13 95	1163 78	17° W. Invert 24" Corr. Iron Drain Pg. 98	
T.P.	0 46	1166 37	11 82	1165 91		
19+33 P.I. #12			7 48	1158 89	11° E. Invert 24" Corr. Iron Drain Pg. 98	
19+61.39			11 21	1155 16		℄ pvt. over 3/4" I.P. Pg. 99
T.P.	0 30	1154 72	11 95	1154 42		
20+00			8 67	1146 05		℄ pvt.
T.P.	0 35	1143 37	11 70	1143 02		
T.P.	0 59	1132 08	11 88	1131 49		
20+90			4 73	1127 35		℄ E. edge pvt.
21+00			6 6	1125 48		℄ ground
"			6 47	1125 61	2° W. E. edge pvt.	
T.P. P.I. #13	0 86	1121 13	11 81	1120 27		
21+48.92			3 50	1117 63		℄ pvt. over 3/4" I.P. Pg. 101
21+90.5 P.I. #14			o.k. 13 28	1107 85	17.5 S. Invert 24" Corr. Iron Drain Pg. 101	
21+99.39			10 60	1110 53		℄ pvt. over 3/4" I.P. Pg. 102
22+00			10 69	1110 44		℄ pvt.
T.P.	0 33	1109 53	11 93	1109 20		
22+06			5 86	1103 67	6.5 N. Invert 24" Corr. Iron Drain Pg. 102	

Profile Notes Red. Plotted Job No. 2215 Division No. 14 11 F. B. 3109 Pg. 135
No. Date Date Survey of Fernwood Peak
X-Sec. Notes Chkd. Checked Survey by E. E. Brooks Notes K.M.K. Date 2-28-63
No. Date Date Map No. Indexed E. J. GALLI Date

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
P.I. # 15						Pg. 102
22+54.68		1109 53	2 73	1106 80		℄ pvt. over 3/4" I.P.
22+86			3 79	1105 74	N. edge pvt.	℄
22+90			4 1	1105 43		℄ top brk.
23+00			6 8	1102 73		℄ ground
"			4 31	1105 22	3° E. W. edge pvt.	
P.I. # 16						
23+41.86			8 66	1100 87		℄ 3/4" I.P. Pg. 103
"			6 18	1103 35	5° E. W. edge pvt.	
23+94			11 28	1098 25		℄ N. edge pvt.
24+00 T.P.	0 48	1098 24	11 77	1097 76		℄ pvt.
24+01			2 63	1095 61	16.5 S. Invert 18" Corr. Iron Drain	Pg. 104
24+14			6 98	1091 26	12° N. " " " " " "	
P.I. # 17						
24+25.47			2 53	1095 71		℄ 3/4" I.P. Pg. 104
24+52			4 77	1093 47		℄ W. edge pvt.
Pt. # 18 A						
24+75.06			9 65	1088 59		℄ 3/4" I.P. Pg. 105
"			6 14	1092 10	5° E. W. edge pvt.	
24+83			6 66	1091 58		℄ W. edge pvt.
25+00			8 46	1089 78		℄ pvt.
T.P.	0 29	1086 69	11 84	1086 40		
Pt. # 18 B						Pg. 105
25+55.95			5 09	1081 60		℄ pvt. over 3/4" I.P.
T.P.	0 29	1075 33	11 65	1075 04		℄ pvt.
26+00			1 39	1074 ~~30~~ 94		℄ pvt.

F. B. 3109 PG. 136

Job No. 2215.14 Division No. 11 Notes Red Date Plotted Date No. Profile

Survey of Fernwood Peak Notes K.M. Kapp Checked Date No. X-Sec.

Survey by E. E. Brooks Notes Checked Date

Indexed G. J. GAUL Date

76L-298 S & E #307—1-56

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Profile Notes Red Plotted Job No. 2215. Division No. 11
No. Date Date Survey of Ferrwood Park
X-Sec. Notes Chkd. Checked Survey by E.E. Brooks Notes Chkd. Date 2-28-63
No. Date Date Map No. Indexed C. J. GALLI Date

F. B. 3/109 Pg. 137

STATION	B. S.	H. I.	F. S.	ELEV.	
P.I. #19					
26+28.44		1075 33	6 55	1068 78	℄ pvt. over 3/4" I.P. Pg. 106
26+60			o.k. 13 00	1062 33	22° S. Invert 18" Corr. from Drain Pg. 106
T.P.	0 55	1063 98	11 90	1063 43	
26+78			6 07	1057 91	10° N. Invert 18" Corr. from Drain Pg. 106
27+00			1 22	1062 76	℄ pvt.
P.I. # 20					Pg. 107
27+07.41			1 72	1062 26	℄ pvt. over 3/4" I.P.
P.I. # 21					Pg. 108
27+60.38			7 99	1055 99	℄ " " " "
T.P.	0 62	1052 70	11 90	1052 08	
28+00			3 98	1048 72	℄ pvt.
28+10			6 23	1046 47	℄ N. edge pvt top bank
T.P.	0 58	1041 97	11 31	1041 39	
P.I. #22					
28+47.90			4 88	1037 09	℄ 3/4" I.P. Pg. 109
"			2 70	1039 27	8° S. N. edge pvt.
28+80			9 6	1031 37 32	℄ side of bank
T.P.	0 34	1030 79	11 52	1030 45	
29+00			2 3	1028 5	℄ ground top of bank
"			2 30	1028 49	4° S. N. edge pvt.
29+19			6 67	1024 12	℄ N. edge pvt.
T.P.	0 32	1019 59	11 52	1019 27	
P.I. # 23					Pg 110
29+63.99			3 79	1015 80	℄ pvt. over 3/4" I.P.
30+00 T.P.	0 51	1008 37	11 73	1007 86	℄ pvt.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
P.I. # 24 30+54.52		1008 37	11 86	996 51		℄ pvt. over 3/4" I.P. Pg. 110
T.P.	0 56	997 16	11 77	996 60		
30+92			9 13	988 03		℄ N. edge pvt.
31+00			10 3	986 9		℄ ground
"			10 80	986 36	2° E. N. edge pvt.	
T.P.	0 45	985 66	11 95	985 21		
31+48			10 51	975 15		℄ W. edge pvt.
T.P.	0 68	974 37	11 97	973 69		
31+85			4 88	969 49		℄ E. edge pvt. bot. brk.
32+00			5 4	969 0 (68 97)		℄ ground
P.I. #25 32+04.27			5 6	968 8 (77)		℄ ground over 3/4" I.P. Pg. 112
32+42			7 10	967 27		℄ E. edge pvt.
P.I. # 26 32+58.79			7 50	966 87		℄ pvt. over 3/4" I.P. Pg. 112
33+00			10 56	963 81		℄ pvt.
T.P.	0 58	963 01	11 94	962 43		
T.P.	0 79	952 21	11 59	951 42		℄ pvt.
34+00			4 76	947 45		℄ S. edge pvt. toe of slope
P.I. # 27 34+20.89			3 03	949 18		℄ 3/4" I.P. Pg. 114 brk.
"			6 74	945 47	7° N. S. edge pvt.	
35+00			9 2	943 01		℄ ground
"			14 26 (o.k.)	937 95	5° E. W. edge pvt.	

F. B. 3109 PG. 138

Job No. 2215.14 Division No. 11 Notes Red Date Plotted Date Profile No.

Survey of Fernwood Peak Notes K.M. Kapp Date Checked Date X-Sec. No.

Survey by E. E. Brook C. J. GALLI Notes Chkd Date Date

Indexed Date

76L-298 S & E #307—1-56

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 22/5 Division No. 14
X-Sec. No. ____ Date ____ Date ____ Survey of Fernwood Park
Notes Chkd ____ Checked ____ Survey by F. E. Brooks Notes K.M.K. Date 2-28-63
Date ____ Map No. ____ Indexed G. A. GALL Date ____

F. B. 3109 PG. 139

STATION	B. S.	H. I.	F. S.	ELEV.	
35+03		952 21	10 9	941 31	℄ ground top edge bank
			O.K.		
35+12			15 3	936 91	℄ " toe of bank
P.I. # 28					Pg. 115
35+38.98			12 7	939 51	℄ ground top bank
T.P.	0 47	940 91	11 77	940 44	
P.I. # 28					
35+38.98			8 25	932 66	15 ± E. W. edge pvt
35+45			1 3	939 61	℄ ground top bank
T.P.					
35+59	0 38	929 33	11 96	928 95	℄ W. edge pvt. toe bank
35+ 95			4 56	924 77	℄ E. edge pvt.
36+ 00			5 20	924 13	℄ pvt. top bank
36+12		O.K.	13 59	915 74	68 ± W. Invert 18" Corr. Iron Drain Pg. 117
36+15			11 0	918 33	℄ ground bk.
T.P.					
36+30	1 41	918 86	11 88	917 45	℄ top bank
36+31			4 0	914 86	℄ bot. bank
36+41			4 8	914 06	℄ top "
36+42			7 5	911 4	℄ bot. "
T.P.					
36+60	0 61	907 81	11 66	907 20	℄ top " toe of slope
P.I. # 29 (T.B.M. #3)					
36+68.81	11 95	909 71	10 05	897 76	T.B.M. #3 ℄ cut 5pk. Pg. 117
"			12 00	897 71	3 ± N. 5 edge pvt. Montau Dr.
37+00			6 7	903 01	℄ ground
"			8 20	901 51	15 ± N. 5 edge pvt. Montau Dr.
"			O.K.		Pg. 117
			12 22	897 49	6 ± N. Invert 18" Corr. Iron Drain "
X 37+10			8 10	901 61	3 ± 5. " " " " "

76L-298 S & E #307—1-56

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F. B. 3109 Pg. 140 | Job No. 2215 Division No. 14 | Profile
Survey of Fernwood Peak | Plotted | Date | No. | X-Sec.
Survey by E. E. Brooks Notes K.M. Kapp | Notes Red | Date | Notes Chkd | Checked | Date | No.
Indexed [illegible] | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	
37+16		909 71	6 8	902 91	℄ ground toe of slope
T.P.	9 94	913 49	6 16	903 55	
37+16			1 07	912 42	20° S. Invert 18" Corr. Iron Drain Pg. 117
37+18			6 9	906 6	℄ top bank
T.P.	11 50	924 53	0 46	913 03	
37+55			13 2	911 3[illegible]	℄ bot bank
37+57			7 2	917 3[illegible]	℄ top "
37+78			5 64	918 89	N. edge pvt. ℄ observation Dr.
38+00			4 81	919 72	℄ pvt.
T.P.	12 00	935 9[illegible]	0 62	923 91	
P.O.T. 38+62.32			7 45	928 46	℄ pvt. over 3/4" I.P. Pg. 119
38+78.5			6 14	929 77	℄ E. edge pvt.
38+82.5			8 71	927 20	4° E. Invert 24" Corr. Iron Drain Pg. 119
38+89			6 73	929 18	28.5 W " " " " " " " "
39+00			4 69	931 22	℄ E. edge pvt Pg. 119
E.C. 39+23.30 T.P.			5 81	930 10	℄ pvt. over cut SDK.
40+00	3 08	928 73	10 26	925 65	℄ pvt.
41+00 P.I. #31			5 57	923 16	℄ pvt.
41+10.63			5 53	923 20	℄ pvt. over 3/4" I.P. Pg. 121
41+34			6 89	921 84	9.5 W. Invert 18" Corr. Iron Drain Pg. 121
41+42			O.K. 16 13	912 60	31° E " " " " " "

76L-298 S & E #307—1-56

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Profile No. ____ Notes Red. ____ Plotted ____ Job No. 2215 Division No. 11 | F. B. 3709 Pg. 141
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey of Fernwood Peak
Date ____ Date ____ Date ____ Survey by L. E. Brooks Notes K.M.K. Date 2-28-63
Date ____ Map No. ____ Indexed ____ By ____ Date ____

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
42+00 T.P.		928 73	2 93	925 80	℄ pvt. toe of slope
42+23 P.I. #32	10 87	937 28	2 32	926 41	℄ W. edge pvt.
42+41.11			5 99	931 29	℄ 1×2 & N. Pg. 123
"			9 90	927 38	8 ℄ E. W. edge pvt.
42+85			9 36	927 92	℄ W. edge pvt. toe of slope
43+00 P.I. #33			8 09	929 19	℄ pvt.
43+20.48			7 33	929 95	℄ pvt, over 3/4" I.P. Pg. 123
44+00			4 09	933 19	℄ pvt.
44+25			3 08	934 20	℄ E. edge pvt.
44+35 P.I. #34			2 9	934 4	℄ top bank
44+46.84			4 97	932 31	℄ 3/4" I.P. Pg. 125
"			2 33	934 95	8 ℄ W. E. edge pvt.
44+64			1 61	935 67	℄ E. edge pvt
45+00 T.P.	8 15	944 67	0 76	936 52	
45+31 P.I. #35			7 18	937 49	℄ W. edge pvt.
45+72.26			5 04	939 63	℄ 3/4" I.P. Pg. 126
"			6 88	937 79	4 ℄ E. W. edge pvt.
46+00			6 41	938 26	℄ ground toe of slope
"			6 59	936 08	5 ℄ E. W. edge pvt.
46+35			6 02	938 65	℄ W. edge pvt.
47+00			3 70	940 97	℄ pvt.
T.P.	8 85	951 76	1 76	942 91	

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
48+00		951 76	4 05	947 71		℄ pvt. top brk.
48+25 P.I. #36			4 48	947 28		top brk. ℄ N. edge pvt.
48+41.27 (T.B.M.)			8 71	943 05	Ints. Observation Dr. ℄	3/4" I.P. Pg. 128 & Grand View Dr.
					T.B.M. Elev. = 943.10	F.B. 3105-193
					℄ Ints. Grand View Dr & Observation	
					Dr. 3/4" I.P. Pl. & N. @ P.I.	

F. B. 3109 Pg. 142 Job No. 2215.14 Division No. 11 Notes Red. Date Plotted Date Profile No.
Survey of Fernwood Peak Date Checked Date X-Sec. No.
Survey by E. E. Brooks Notes K.M. Kapp Notes Chkd. Date
Indexed G. J. GALLI Date

Notes Ck'd by		Survey of Fernwood Peak	F. B. 3109 PG. 143
Map No.		JN 2215.14 Tape Std °F	
Office Work		Surveyed by F. E. Brooks	
Checked		Notes F. E. Brooks Date 1 Mar 63	
Date		Indexed K. J. GALLI MAR 7 '63	

JN 2215.14

ZIA

FERNWOOD PEAK

TOPANGA - EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

Location of Improvements.

on

STITES DRIVE

From Observation Drive

To End of St.

F E Brooks
K M Kopp
G E Cook
E Martinez
C G Valdez

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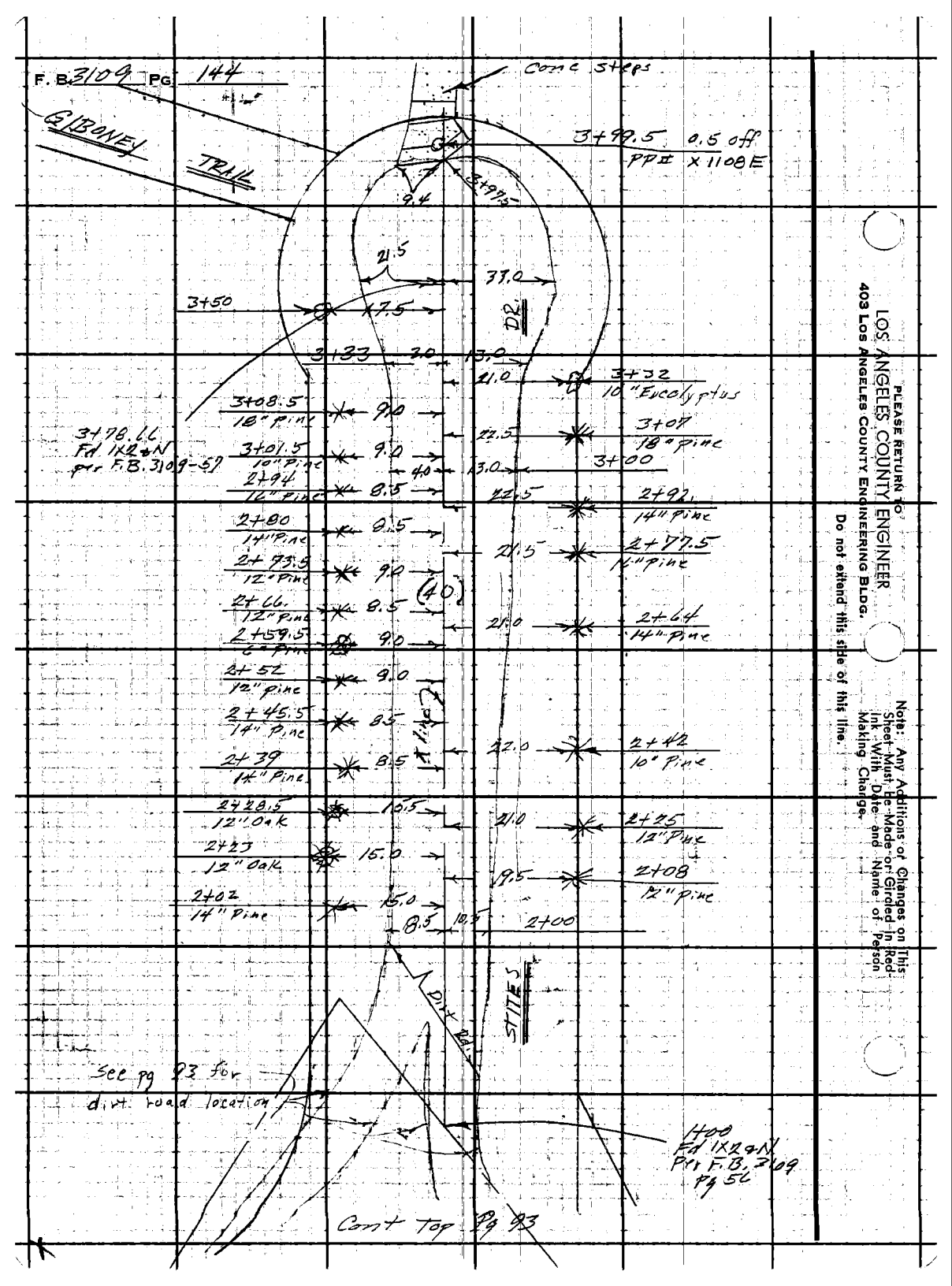
76F3095 CE #310 6-62



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Profile No. | Notes Red | Plotted | Job No. 2215.14 | Division No. 11 | F. B. 3109 | Pg. 145

X-Sec. No. | Date | Date | Survey of Fernwood Peak

Notes Chkd | Checked | Survey by F. E. Brooks | Notes F. E. Brooks | Date 1 May 63

Date | Date | Map No. | Indexed R. J. GALLI | Date MAY 7 '63

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

J N 2215.14

ZONE A

FERNWOOD PEAK

TOPANGA - EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

PROFILE

on

STITES DRIVE

from Observation Dr.

To end of st.

F E Brooks
K N Karp
G E Cook
E Martinez
C G Valdez

761-298 S & E #307—1-56

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
1+00 TBM #1	1 41	1232 51 ✓		1231 10 ✓	TBM #1 Elev. 1231.10 π line inter. pg 144 F.B. 3109-133 Int. of Observation Drive ℄ and Stites Dr. π line @ 1X28N
1+37 T.P.	0 92	1221 64 ✓	11 79	1220 72 ✓	π line
1+74.5 T.P.	0 34	1212 30 ✓	9 68	1211 96 ✓	π " break
2+00			4 9	1207 40 ✓	π "
2+36			8 5	1203 8 ✓	π "
2+66 T.P.	2 06	1203 27 ✓	11 09	1201 21 ✓	π "
3+00			5 5	1197 8 ✓	π "
3+50			7 3	1196 0 ✓	π "
3+97.5			8 5	1194 8 ✓	π "
T.P.	8 72	1209 82 ✓	2 17	1201 10 ✓	
TBM #2			1 58	1208 24 ✓	TBM #2 Elev. 1208.25 F.B. 3109-133 Post 3/4" IP per pg 56

F. B. 3109 Pg. 146 Job No. [illegible] Division No. 11 Notes Red Plotted Profile
Survey of Fernwood Peak Date Date No.
Survey by E. E. Brooks Notes E. E. Brooks Notes Chkd Checked X-Sec.
Indexed R. J. [illegible] Date Date No.

Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 28 Feb 68
Date	Indexed [illegible] 7 '83

F.B. 3109 PG. 147

J.N. 2215.14

ZII 4

FERNWOOD PEAK

TOPANGA - EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

Location of Improvements

on

MONTAL DRIVE.

from Observation Dr.

To End of St

F.E Brooks
K.M Kapp
G.E Cook
E Martinez
L.A Valdez

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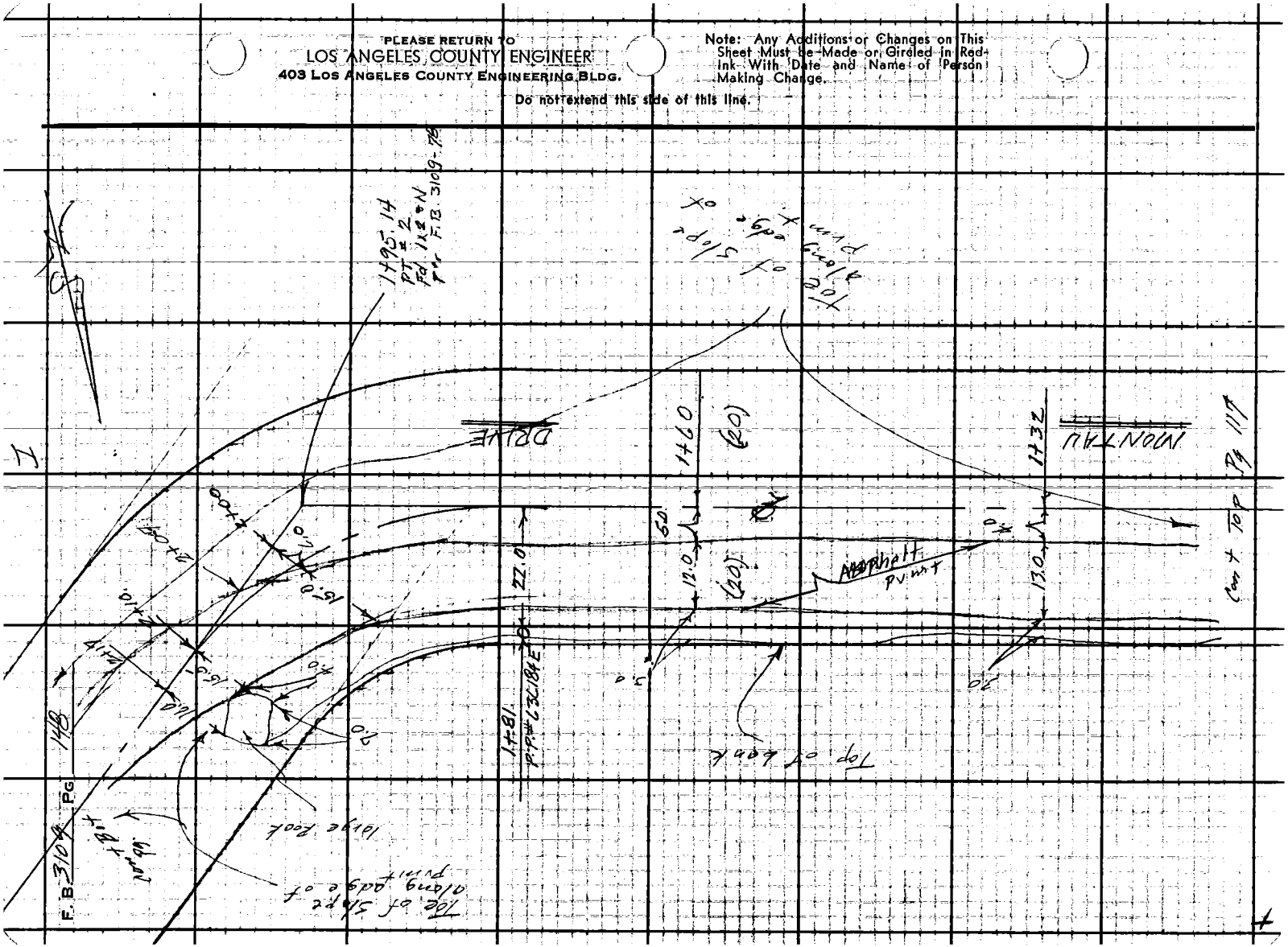
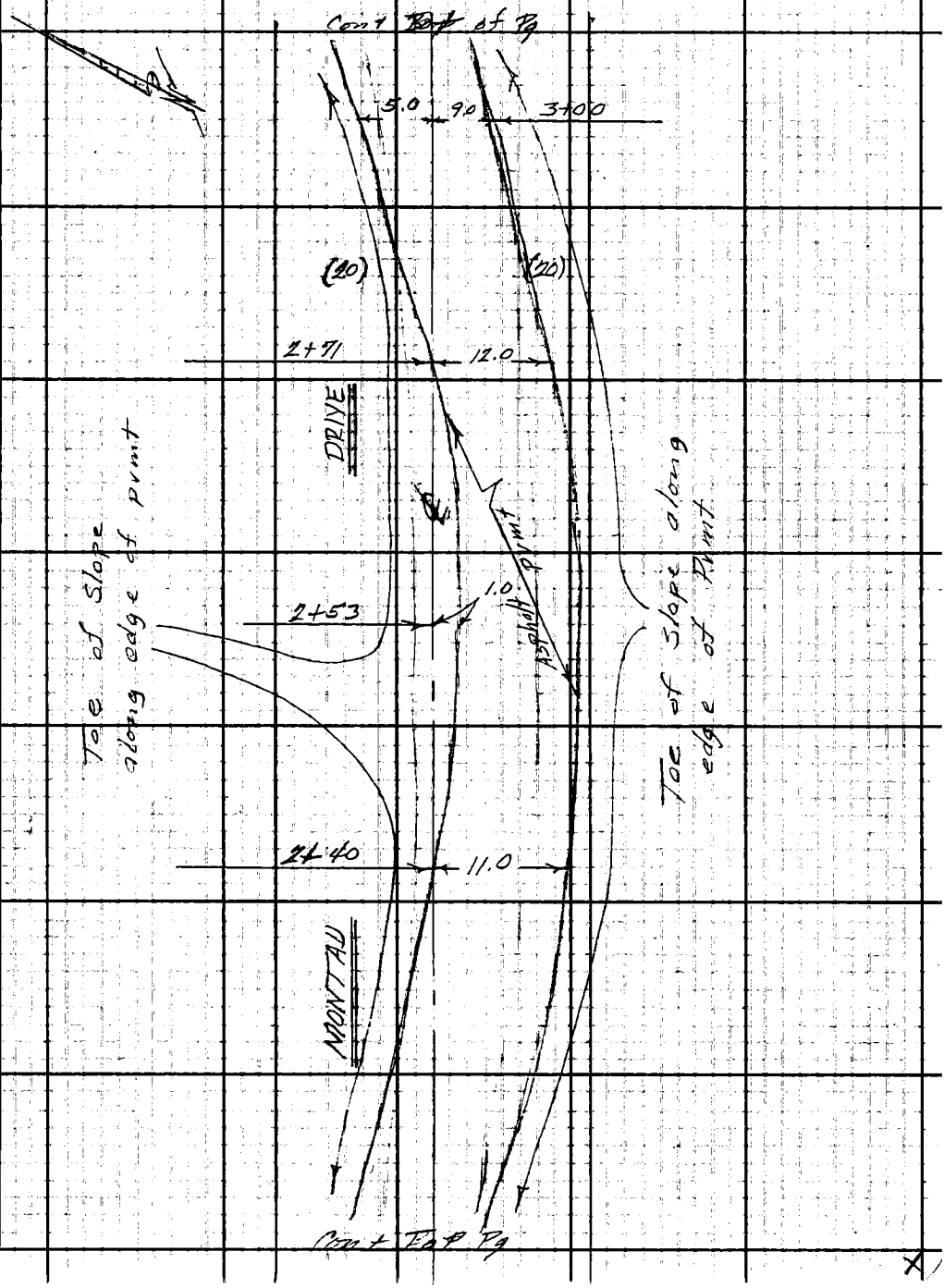


II

Notes Ck'd by	Survey of Fernwood Peak
Map No.	JN 1215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 28 Feb 63
Date	Indexed E. J. GALLI

F. B. 3109 PG. 149



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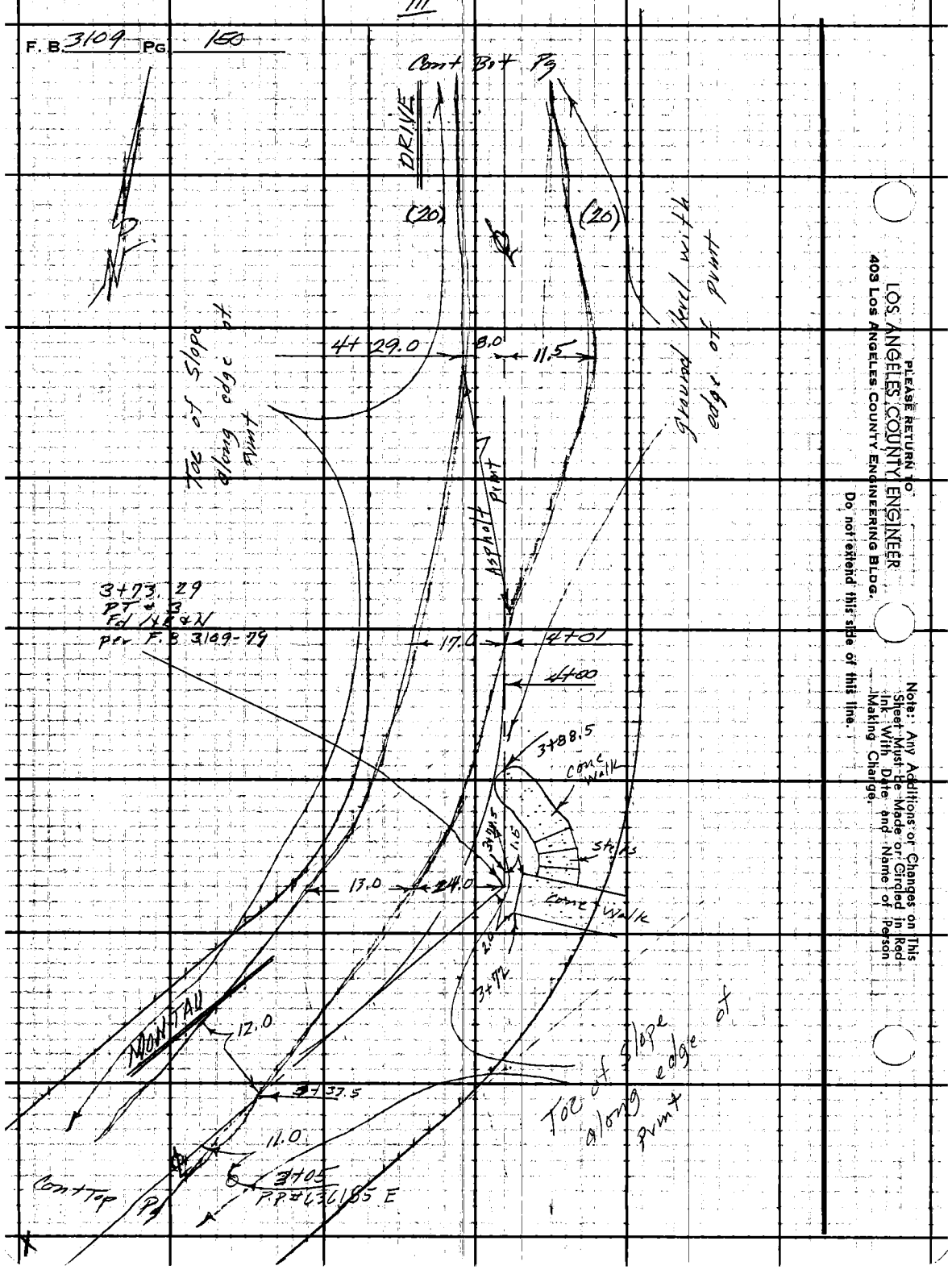
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #310 6-62

III

F. B. 3109 PG 150



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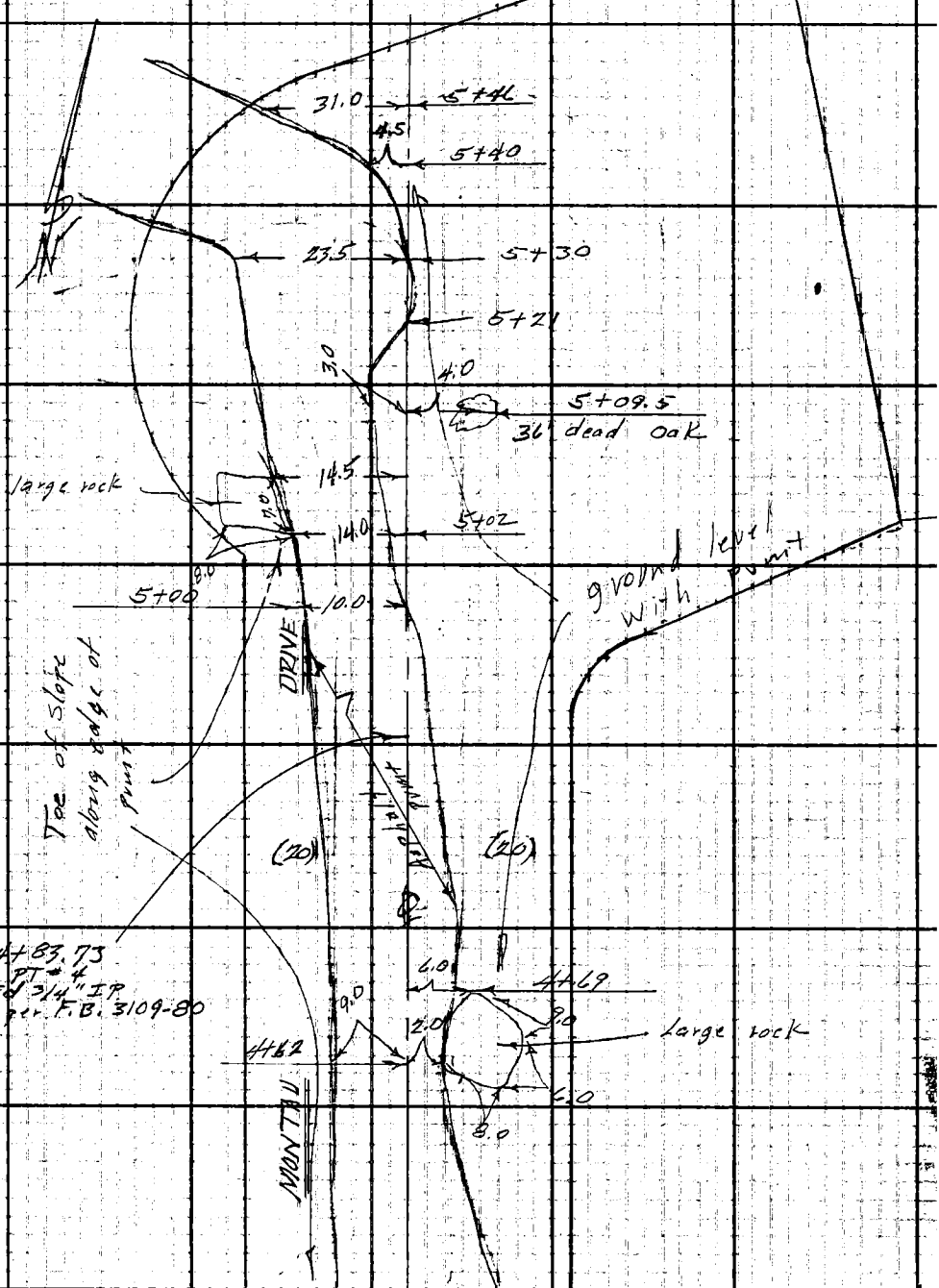
IV

Notes Ck'd by	Survey of Fern wood Peak
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 28 Feb 63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 151



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76F309S CE #310 6-62

Profile No. | Notes Red. | Plotted | Job No. 2215.14 | Division No. 11 | F. B. 3109 | PG. 153
Date | Date | Survey of Fernwood Peak
X-Sec. No. | Notes Chkd. | Checked | Survey by F. E. Brooks | Notes F. E. Brooks | Date 1 Mar 63
Date | Date | Map No. | Indexed E. J. GALLI | Date MAR 1 63

JN 2215.14

ZIIA

FERNWOOD PEAK

TOPANGA - EAST MALIBU

LOCAL WATER SYSTEM IMPROVEMENT

PROFILE

on

MONTAU DRIVE

from Observation Dr.

To end of St.

ELEV.

F. S.

F. E. Brooks
K. M. Kapp

H. I.

G E Cook
E Martinez
C G Valdez

B. S.

STATION

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76L-298 S & E #307—1-56

76L-298 S & E #307—1-56

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F. B. 3109 Pg. 154 Job No. 2115.12 Division No. Profile
Survey of Fillmore Place No. X-Sec.
Survey by F. E. Brooks Notes F. E. Brooks Plotted Date No.
Indexed R. J. GALLI Date Notes Chkd. Checked Date
Notes Red Date Date

STATION.	B. S.	H. I.	F. S.	ELEV.	Left	℄	Right
TBM #3	52	917 28 ✓		897 76 ✓	TBM #3 Elev. 897.76 F.B. 3109-139 Pt #29 on pgs 71-117 a rr spk.		
1+00			1.54	897 74 ✓		℄	pvmt over pipe pg 117.
1+11			2.83	896 45 ✓		℄	Edge of pvmt Toe of slope
1+50			10.00	889 23 ✓	5' Lt break in pvmt Toe of slope		
"			9.95	889 33 ✓	9' Lt " " "		
1+95.14			7.8	891 5 ✓		℄	Pt #2 . pg 148
T.P.	049	898 41 ✓	11.36	887 92 ✓			
1+95.14			5.31	883 10 ✓	11' Lt edge of pvmt Toe of slope		
"			5.11	883 30 ✓	15' " pvmt ctr.		
2+00			4.3	884 11 ✓		℄	3:1 s/s bank
2+34			6.40	881 81 ✓		℄	edge of pvmt Toe of slop.
2+17			7.70	891 76 ✓		℄	crown of pvmt
2+40			11.15	891 26 ✓		℄	Lt edge of pvmt
T.P.	070	877 44 ✓	11.67	876 74 ✓			
2+71			5.65	871 78 ✓		℄	Lt. edge of pvmt
TP	034	866 11 ✓	11.67	865 77 ✓			
3+00			0.85	865 26 ✓		℄	
3+33.5			8.24	857 87 ✓		℄	Rt. edge pvmt
"			8.27	857 84 ✓	6' Lt pvmt.		

76L-298 S & E #307—1-56

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Profile Notes Red. Plotted. Job No 2215.14 Division No. 11
No. Date Date Survey of Firwood Park
X-Sec. Notes Chkd. Checked Survey by: E. E. Brooks Notes E. E. Brooks Date 1 Mar 63
No. Date Date Map No. Indexed R. J. GALLI Date

F. B. 3109 Pg. 155

STATION	B. S.	H. I.	F. S.	ELEV.	Left	Right
		866 11 ✓				
T.P.	163	356 10 ✓	1164	854 47 ✓		
3+73.29			34	852 7 ✓		℄ PT #3 1X2&N per pg 150
"			238	853 12 ✓	24' Lt ontoward line	edge pvmt toe of slope
"			207	854 06 ✓	28' " pvmt	
3+00			91	847 0 ✓		℄
4+01			916	846 94 ✓		℄ edge of pvmt
"			805	848 05 ✓	81' Lt pvmt	
T.P.	068	347 29 ✓	949	846 61 ✓		
4+62			628	841 01 ✓		℄ pvmt
5+00			963	838 66 ✓		℄ pvmt edge
5+30			976	837 53 ✓		℄ pvmt
5+50			109	836 4 ✓		℄ dirt
5+63			113	836 0 ✓		℄ "
6+00			81	839 2 ✓		℄ "
T.P.	11 04	858 12 ✓	021	847 08 ✓		
T.P.	11 70	869 31 ✓	051	857 61 ✓		
T.P.	11 31	880 42 ✓	020	869 11 ✓		
T.P.	11 40	891 58 ✓	024	880 18 ✓		
T.P.	9 14	901 04 ✓	028	891 30 ✓		
TBM #3			326	897 78 ✓	TBM #3 Elev 897.76 F.B. 3109-139	PI #29 at PG 8+11 @ ℄ 32L

Notes Ck'd by	Survey of ZIIA FERNWOOD PEAK
Map No.	JN 0303.00 Tape 151 Std 84 °F
Office Work	Surveyed by C.K. LIND
Checked	Notes LIND Date 3-7-63
Date	Indexed [redacted] J. GALLI [redacted] 1 9 '63

F. B. 3109 PG. 161

ZIIA

FERNWOOD PEAK

JN. 0303.00

CENTERLINE RE-TRACEMENT

OF

HORSESHOE DRIVE

FROM: FERNWOOD PACIFIC DRIVE

TO: THE CUL-DE-SAC

REFER: CSB 1631-2

MARCH 1963

LIND
MALDONADO
RODRIGUEZ R.W.
RODRIGUEZ R.R.
ALVAREZ

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76F3095 CE #310 6-62

F. B. 3109 Pg. 162

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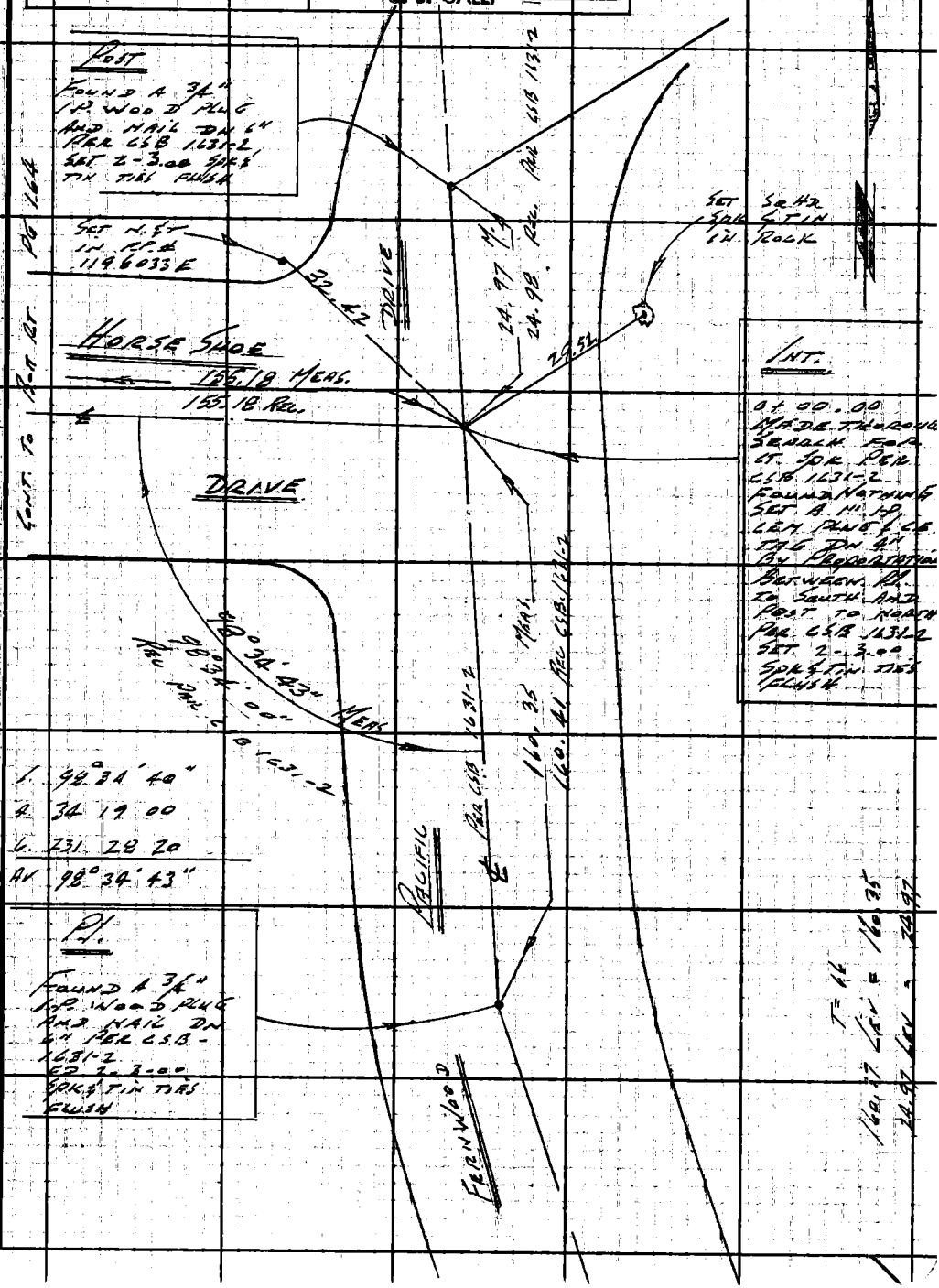
Notes Ck'd by	Survey of ZOA FERNWOOD PEAK
Map No.	JN 0303.00 Tape 151 Std 84 °F
Office Work	Surveyed by C-K LIND
Checked	Notes LIND Date 3-7-63
Date	Indexed C. J. GALLI MAR 1 9 63

F. B. 3109 PG. 163



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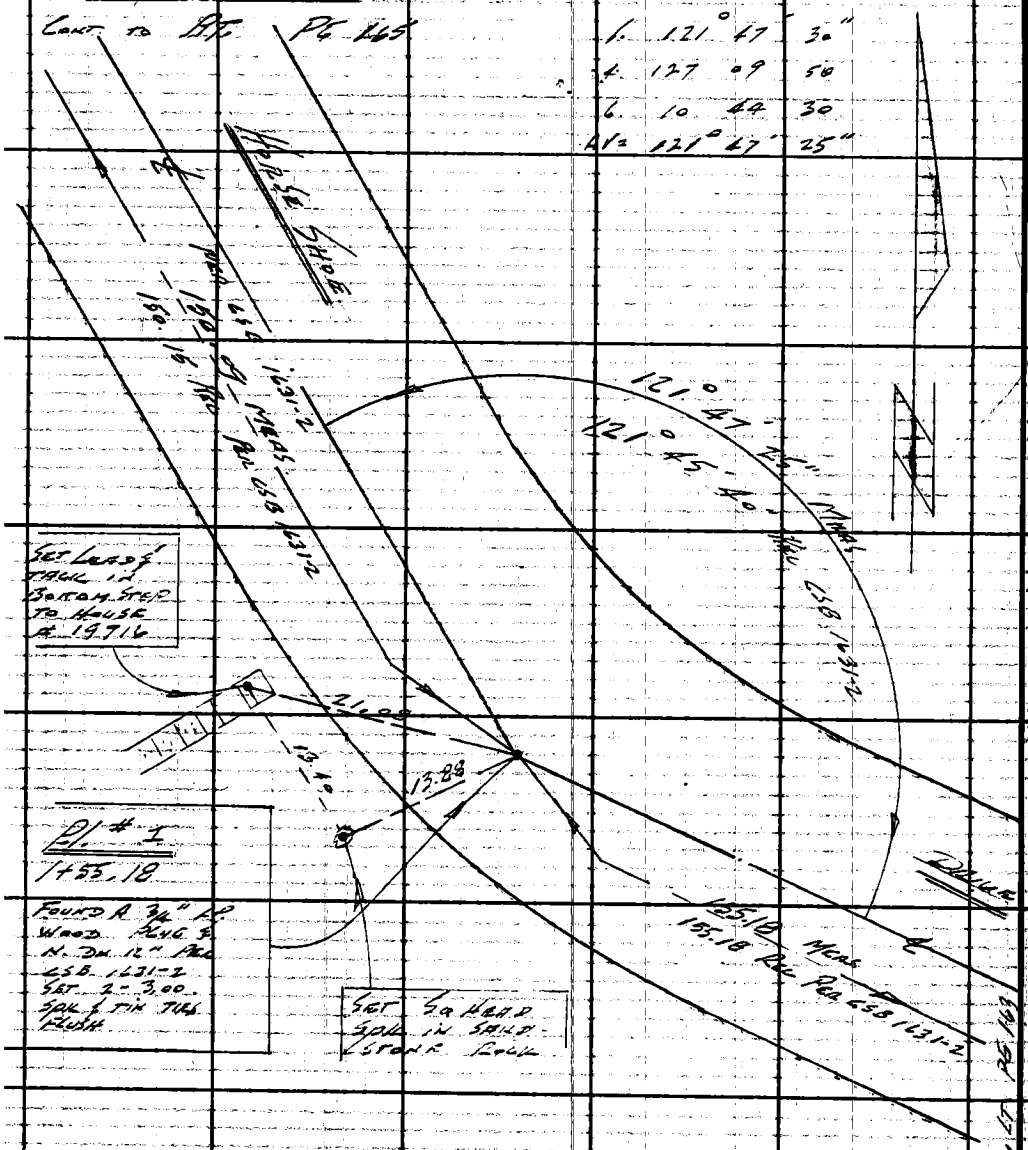
U.S. 85 C-3

76F3095 C.F. #310 6-62

F. B. 3109 PG. 164

Cont. to B.T. PG 165

1. 121° 47' 30"
4. 127 09 50
6. 10 44 30
Δ = 121° 47' 25"



T = 62
155.82 @ 5° 08' = 155.18

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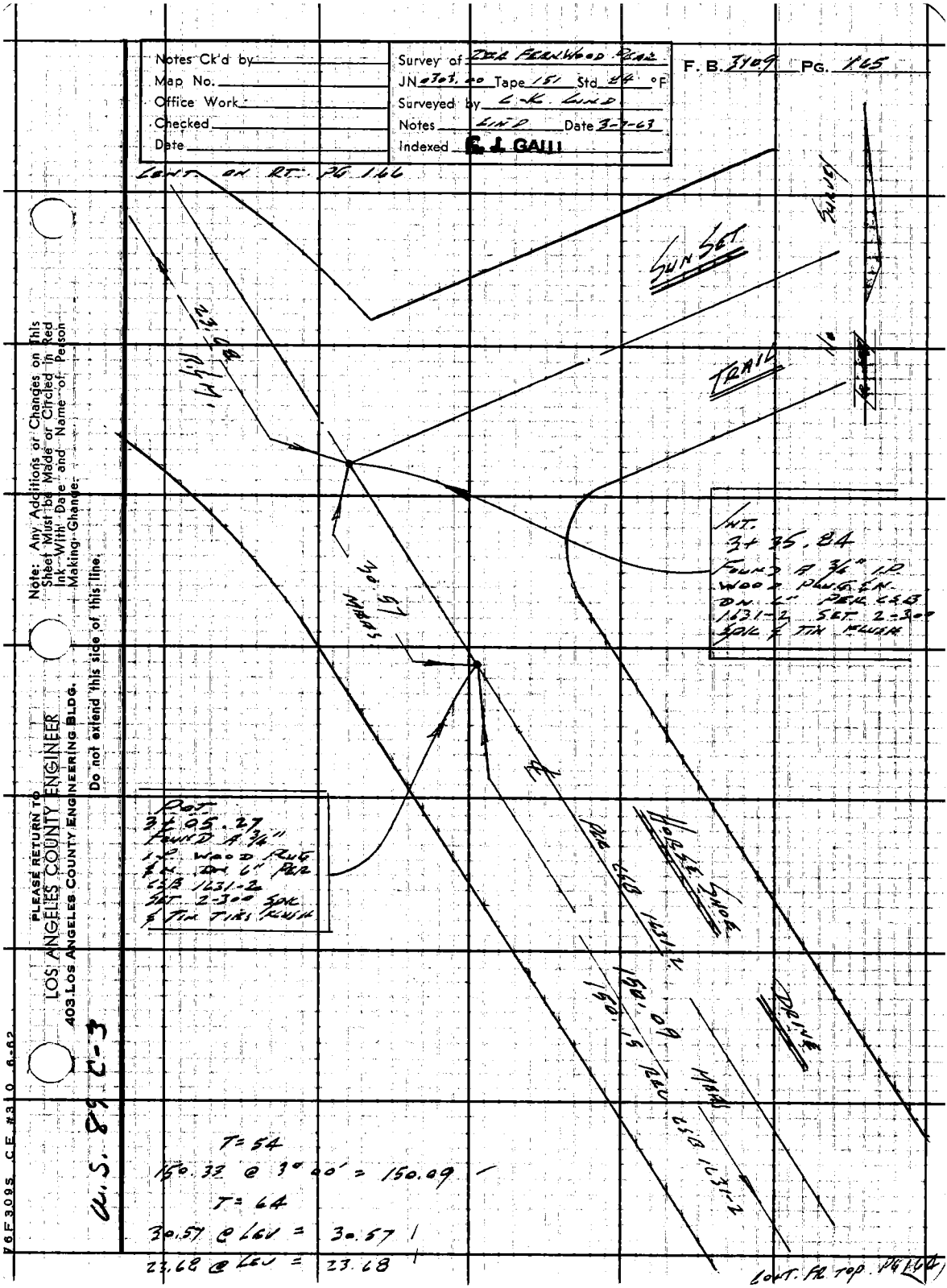
Notes Ck'd by	Survey of Dor Fernwood Rear
Map No.	JN 0303.00 Tape 151 Std 84 °F
Office Work	Surveyed by L.K. Lind
Checked	Notes Lind Date 3-7-63
Date	Indexed E. J. GALLI

F. B. 3409 PG. 165



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U.S. 89 C-3

76F3095 CE #310 6-62

F. B. 3169 PG. 166

W.S. 89 C-3

∠ 88° 30' 55"
∠ 356 04 00
∠ 171 06 00
AV = 88° 31' 00"

T = 62

182.60 @ 7°49' = 186.87

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76F3095 CE #310 6-62

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U.S. 89 C-3

P.I.S

FOUND A 3/4" I.P. WOOD PLUG & N. DN 6" PER C.S.B. 1631-2

P.I. #3

FOUND A 3/4" I.P. WOOD PLUG & N. OR S.I.P.S. HLCC PER C.S.B. 1631-2

TELE. POLE ON LINE

Hon. S.R. 5402

181.05 REC. ℄

6.00 OFFSET LINE

190.87 MEAS.

REC.

208

PER C.S.B. 1631-2

6.00

85.24

MOUNTAIN VIEW

℄

TRAIL

104.66 MEAS.

138° 04' 30"

TELE. POLE ON LINE @ 0.65 S.I. SET N. & T.

RIM 0.32 LOW

90° 30' 30" REC.

92.76 REC.

22.38

2.46

2.46

1.00

88° 55' 07" MEAS.

74.37

SET C.L. STA. 6+34.39 ON TOP OF OLD WATER TANK

P.I. #4

6+39.05

FOUND A 3/4" I.P. WOOD PLUG & N. DN 6" PER C.S.B. 1631-2

SET I-7.00 BULLETIN LINE STA. 6+37.39 = 104.66 AHEAD

T=60

CONT. TO TOP PG 168

CONT. TO AT PG 166

6+34.39	SET A 1" I.P. C.L.M. PLUG & TAP ON C.L.	SET 2-3.60 S.B.T. N.& T.
L.	138° 47' 30"	88° 35' 00"
4.	145 10 00	354 20 40
6.	112 45 00	171 20 40
AV=	138° 47' 30"	88° 35' 07"

NOTE

ALL RECORD ANGLES AND DISTANCES USED ON THIS SURVEY WERE TAKEN FROM C.S.B. 1631-2

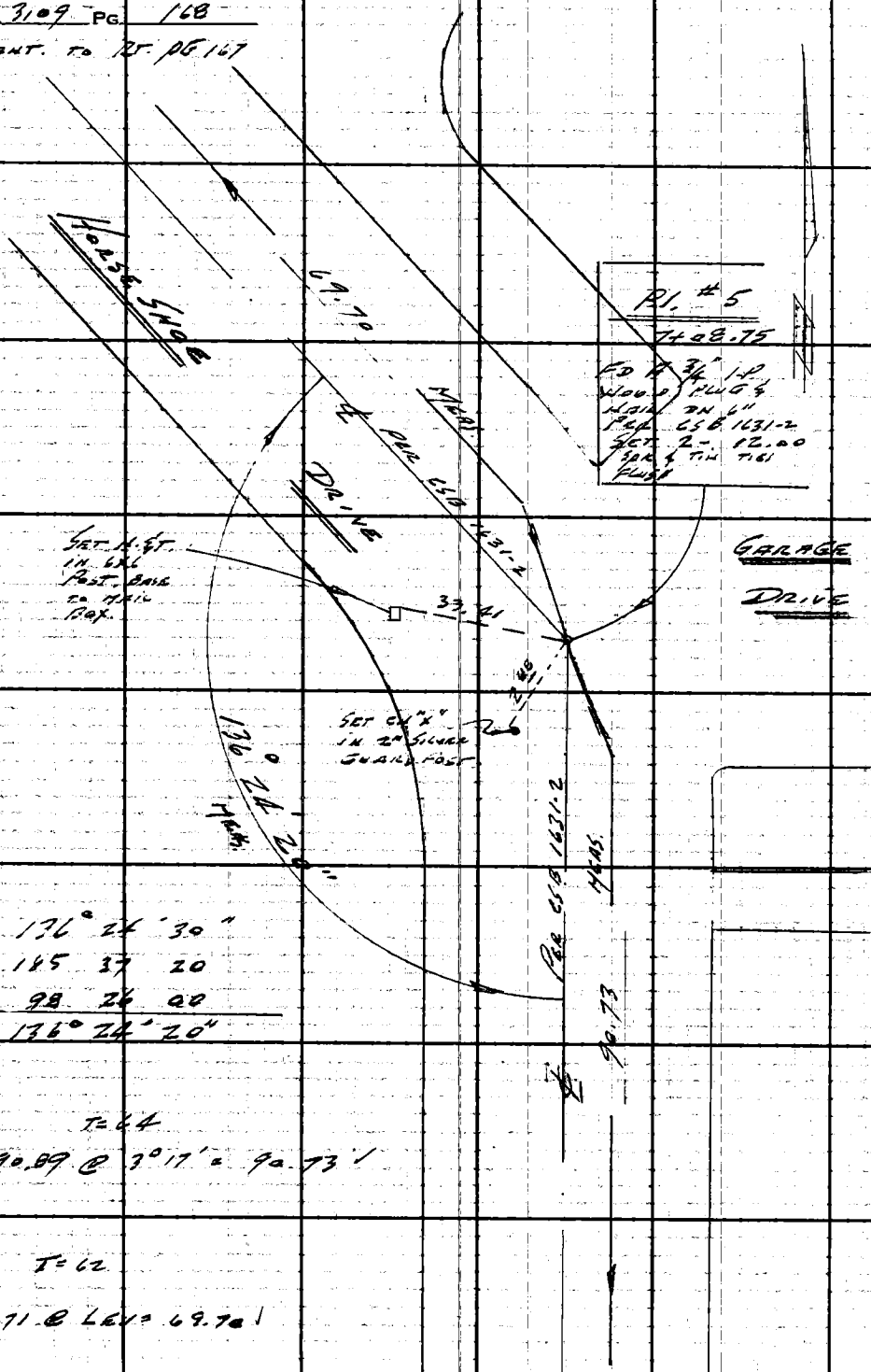
Survey of ZAPF FARM HOME TRACT
J.N. 1762.10 Tape 1851 Std. 66 °F
Surveyed by E.H.D. Land
Notes Date 7-12-63
Indexed C.J. GALLI

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

F.B. 2102 PG. 167

F. B. 3109 PG. 168

CONT. TO RT. PG 167



1. 136° 24' 30"
4. 185 37 20
6. 98 26 00
AV= 136° 24' 20"

T=64

90.89 @ 3°17' = 90.73'

T=62

69.71 @ LEV= 69.70

CONT. TO TOP PG 169

W.S. 89 C-3

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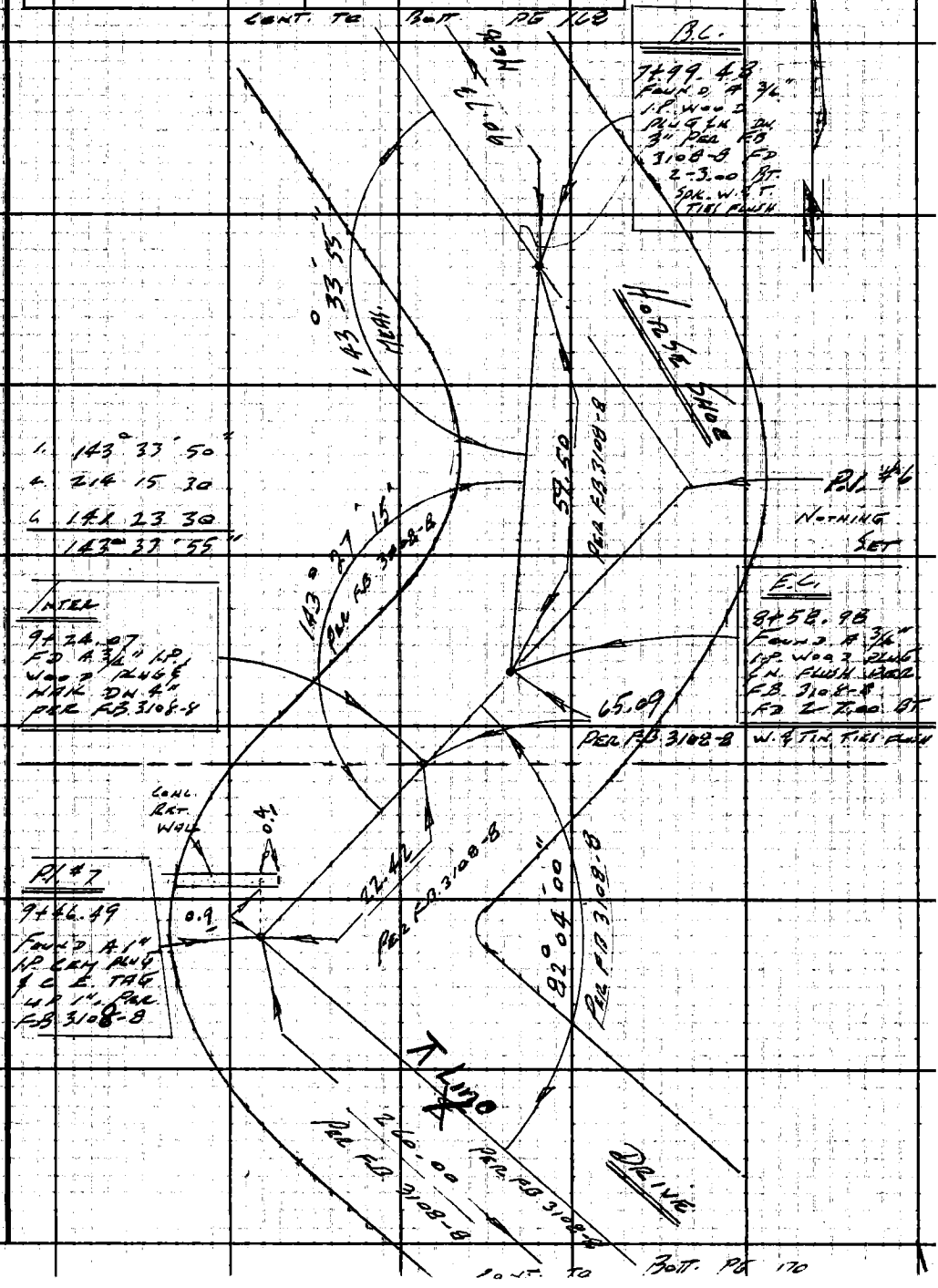
Notes Ck'd by	Survey of ZEL FERNWOOD PARK	F. B. 3109 PG. 169
Map No.	JN 473.00 Tape 151 Std. 84 °F	
Office Work	Surveyed by C-K LIND	
Checked	Notes LIND Date 3-13-67	
Date	Indexed S. J. GALLI	



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U.S. 89 C-3

76F309S CE #310 8-62

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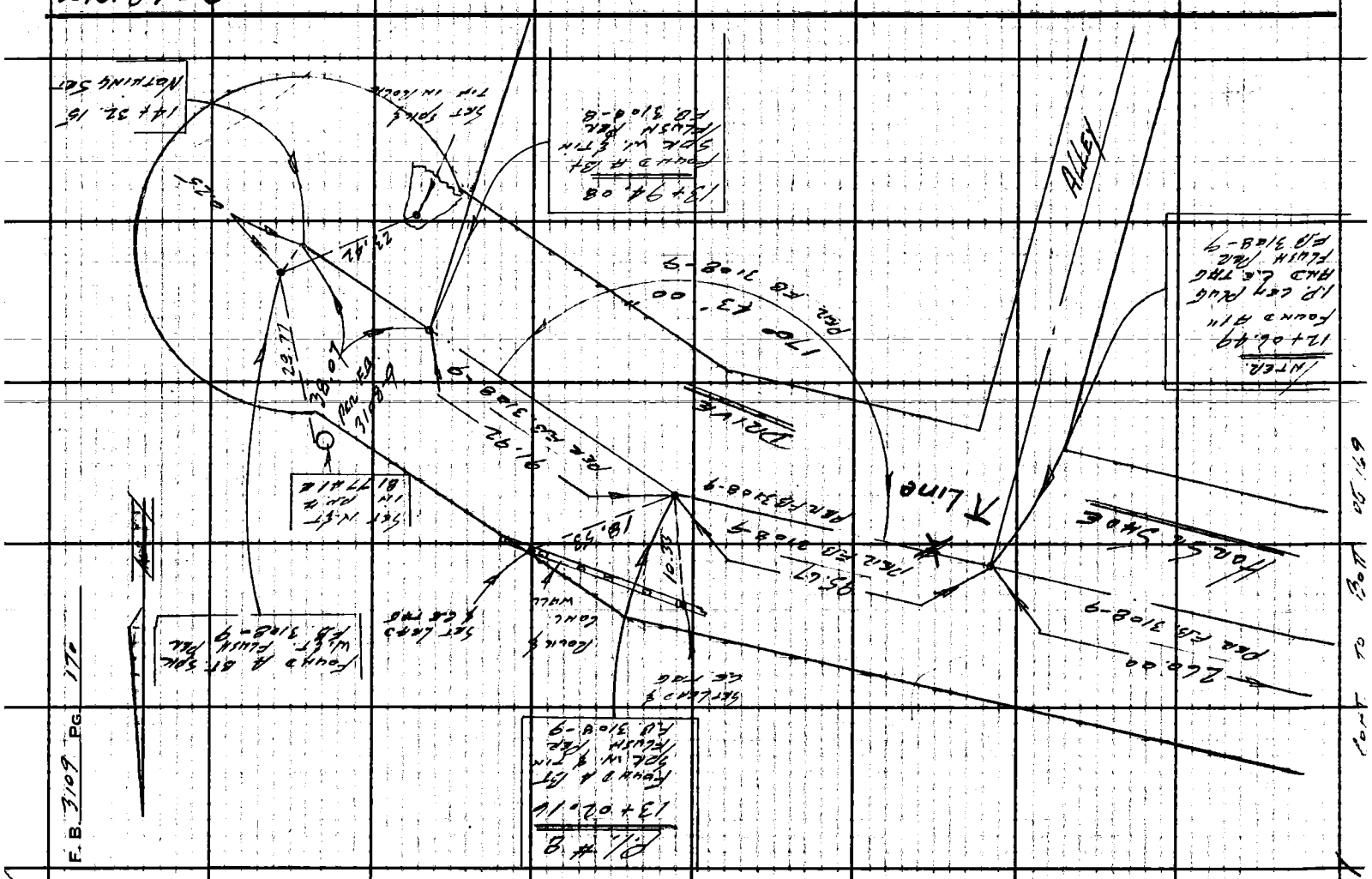
W.S. 89C-3



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

Survey of ZIIC Fernwood Peak F.B. 3109 Pg. 181
JN 2215.14 Tape Std °F
Surveyed by C.K. Lind
Notes J. Maldonado Date 3-13-62
Indexed E. J. CALLI MAR 1 9'63

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ZIIC FERNWOOD PEAK
J.N. 2215.14

Location of Improvements Along Horseshoe Drive From Fernwood Pacific Dr. To Cul-de-sac.

For Control:
See F.B. 3109
Pgs. 161 through 170.

C.K. Lind
J.M. Maldonado
R.J. Rodriguez
R.R. Rodriguez
I. Alvarez

70F 3095 C.E. #310 9-62

F. B. 3109 PG. 182

Station	off-set		Description
0+00	31°	Rt.	Int of Edge of Pvmt on Pennwood Pl.
0+11.5	18°	Lt.	Int of Edge of Pvmts " "
0+28°	18°	Rt.	P. Pole #119C033E
0+50	11°	Lt.	Edge of Pvmt
	12°	Lt.	Toe of Slope
	9°	Rt.	Edge of Pvmt.
	16°	Rt.	Top of bank
1+00	13°	Lt.	Edge of Pvmt
	15°	Lt.	Toe " Slope
	3.5	Rt.	Edge " Pvmt
	14°	Rt.	" " bank
1+12°	5°	Rt.	Top " bank & Mid-Pt. of Curve
1+50°	3°	Lt.	Edge " Pvmt.
		Lt.	Toe " Slope
	13°	Rt.	Edge " Pvmt
	16°	Rt.	" " Bank
1+64°	8°	Lt.	Begin of 12" C.I.P.
1+71°	12°	Lt.	4 Conc. Steps
1+94°	℄		Rt. Edge of Pvmt.
1+96°	18°	Lt.	End of C.I.P.
2+00	1.0	Lt.	Rt. " " " & Mid-Pt of Curve
	16°	Lt.	Edge " " "
	21°	Lt.	3' Conc. Walk
2+50°	8°	Lt.	Edge of Pvmt & Toe of Slope
	4°	Rt.	" " "
	7°	Rt.	" " bank
2+60°	8°	Rt.	Int. of Dr. Way Pvmt. & Horseshoe Dr.
2+80°	9°	Rt.	" " " " " " Dr.
3+00	6°	Lt.	Edge of Pvmt. & Toe of Slope
	8°	Rt.	" " "
	10°	Rt.	" " bank
3+20	7.5	Rt.	P. Pole 34019E
3+35.8	℄		Rt. Edge of Pvmt ~~& Mid-Pt of Curve~~
	17°	Lt.	Edge of Pvmt & Mid-Pt.
3+50	10°	Lt.	Rt " " "
	42°	Lt.	Lt. " " "
3+68°	℄		Rt Edge of Pvmt
4+00	5°	Lt.	Edge of Pvmt & Toe of Bank
	10°	Rt.	" " "

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Notes Ck'd by	Survey of ZIIC Fernwood Peak
Map No.	JN 22 15 14 Tape Std °F
Office Work	Surveyed by LIND
Checked	Notes MELDONA DO Date 3-14-63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 183

Station	Off-Set	Description
4+00	14° Rt	Edge of bank
4+50°	9° Lt	" " Pvmt & Toe of
	6° Rt	" " "
	9° Rt	" " bank
4+72°	6° Rt	14" Oak Tree
4+82°	5° Rt	P. Pole #27344Y
5+00	13° Lt	Edge of Pvmt & Toe of Slope
	2° Rt	" " "
	7° Rt	" " bank
5+50°	13° Lt	" " Pvmt
	14° Lt	Toe " bnk.
	7° Rt	Edge " Pvmt.
	11° Rt	" " bank
5+79°	Ctr. Line	Lt Edge of Pvmt & Mid-Pt of Curve
6+00	1° Rt	Lt " " " " Toe of Slope
	2° Lt	Top of bank
	18° Rt	Edg of Pvmt
	38° Rt	" " bank
6+33°	℄	Rt. Edg of Pvmt
6+50°	℄	Rt. " " "
	20° Lt	Edg " "
	3° Rt	Toe of Slope
6+91°	Ctr. Line	Lt. Edge of Pvmt.
7+00	3° Rt	Lt. " " "
	21° Rt	Rt " " " & Toe of bank
(Plus OK) 7+03°	33.5 Lt	Middle of 16' dia. Water Tank
7+50°	℄	Lt. Edge of Pvmt.
	15° Rt	Edge " " & Toe of bank
7+90°	Ctr. Line	Lt " " " & Mid-Pt. of Curve
Pt. #6 BC 7+99.88	1° Rt	Edge of Pvmt @ 90° to back Line
	3° Lt	" " bank " " " " "
	15° Rt	Rt. Edge of Pvmt " " " "
8+50°	2° Lt	Edge of bank
	℄	Lt. Edge of Pvmt
	13° Rt	Rt " " "

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76F3095 CE #310 6-62

F. B. 3109 Pg. 184

Station	Off-Set		Description
9+00	2.5	Lt.	Edge of Pvmt.
	4.0	Lt.	" " bank
	13.0	Rt.	" " Pvmt. & Toe of bank
9+50	11.0	Lt.	Rt " " "
	30.0	Lt.	Lt. " " "
	33.0	Lt.	Edge " bank
10+00	Ctr. Line		" " "
	2.0	Rt.	Lt " " Pvmt
	16.0	Rt.	Rt. " " "
	18.0	Rt.	Toe " bank
10+50	Ctr Line		Edge of Bank
	3.0	Rt.	Lt " " Pvmt.
	14.0	Rt.	Rt " " "
	17.0	Rt.	Toe " Slope
11+00	2.0	Lt.	Edge " bank
	1.0	Rt.	Lt. " " Pvmt
	14.0	Rt.	Rt. " " " & Toe of Slope
11+50	3.0	Lt.	Edge of bank
	Ctr. Line		Lt. Edge of Pvmt.
	13.0	Rt.	Rt " " "
	15.0	Rt.	Toe of bank
12+00	Ctr. Line		Edge of bank
	2.0	Rt.	Lt. Edge of Pvmt.
	15.0	Rt.	Edge of Pvmt.
	16.0	Rt.	Toe " bank
12+05.5	3.0	Lt.	P. Pole No Number
12+50	6.0	Lt.	Edge of bank
	Ctr Line		Lt " " Pvmt.
	13.0	Rt.	Edge " " & Toe of bank
12+97.0	8.0	Lt.	Int. of Pvmt Edge & Dr. Way & Edge of bank
13+02.16	10.0	Lt.	Edge " " & " of bank
	5.0	Rt.	" " " & Toe " Slope
13+16.0	5.0	Lt.	Int " Pvmt Edge & Dr Way
13+50.0	10.0	Lt.	Edge of Pvmt.
	12.0	Lt.	" " bank
	3.0	Rt.	" " Pvmt.
	5.0	Rt.	Toe " bank
14+00	23.0	Lt.	Edge " Pvmt.
	9.0	Lt.	" " "
14+47	11.0	Rt.	" " "
	15	Rt.	" " " & End of street.

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Profile No. | Notes Red | Plotted | Job No. 2215.14 | Division No. 11 | F.B. 3109 | Pg. 165
X-Sec. No. | Notes Chkd. | Checked | Survey of ZIIC Fernwood Peak
Date | Date | Survey by Lind | Notes J.M.M. | Date 3-14-63
Map No. | Indexed G. J. GALLI | Date MAR 1 9'63

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

ZIIA

FERNWOOD PEAK

JN 2215.14

PROFILE LEVELS ALONG THE CENTER OF EXISTING PVMT. ON HORSE SHOE DRIVE

FROM: FERNWOOD PACIFIC DR.

TO: THE CUL-DE-SAC

FOR CONTROL SEE F.B. 3109-161-170

MARCH 1963

LIND
MALDONADO
RODRIGUEZ Ref
RODRIGUEZ R.R.
ALVAREZ

76-1288 CE 307 3-61

76-L298 CE 307 3-61

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F.B. 3109 Pg. 186 | Job No. 2215.14 | Division No. 11 | Notes Red | Plotted | Profile
Survey of Z III < Fernwood Park | Date | No. | X-Sec.
Survey by Lind | Notes T. Maldonado | Notes Chkd. E.H.H. | Checked
Indexed G.J. GALLI | Date | Date 3-63 | No.

STATION	B.S.	H.I.	F.S.	ELEV.	PROFILE OF HORSESHOE DR.
BM W-2	10 35	1187 33		1176 98	BM W-2 EL= 1176.984 FB. 3108-24 FERNWOOD PACIFIC DR AND HORSESHOE DR N.W. COR A STD CE. BRASS CAP B.M. MON. STAMPED BM W-2
0+00			11 96	1175 37	℄ INT. FERNWOOD PACIFIC DR ℄ HORSESHOE DR. PAVT PG
0+50			6 30	1180 83	
T.P.	9 73	1196 30	0 70	1186 63	0+95 Sq. Hd. Ctr. Pvmt.
1+00			9 00	1187 31	5' Lt. Ctr. Mac Pvmt.
1+50			4 32	1192 04	5' Rt. " " "
2+00			1 00	1195 36	8' Lt. " " "
TP	10 69	1206 02	1 03	1195 33	2+00 Sq. Hd. Ctr. Pvmt.
2+50			11 72	1184 30	1' Lt. Ctr. Mac Pvmt.
3+00			3 42	1202 60	3' Rt. " " "
TP	11 24	1216 5N	0 75	1205 27	3+20 Sq. Hd. 2' Rt. From Lt. Edge of Pvmt.
3+50			7 45	1209 06	18' Lt. Ctr. Mac Pvmt.
4+00			2 47	1214 04	4' Rt. " " "
T.P.			0 56	1215 95	4+15 Sq. Hd. 3' Rt. Lt. Edge of Pvmt.

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	Profile of Horseshoe Dr.
T.P.	11 20	1227 15		1215 95	
4+50			4 30	1222 85	1° Lt. Ctr. Mac. Pvmt
T.P.	11 32	1237 92	0 55	1226 60	12+70 Sq. Hd. Ctr. Mac. Pvmt.
5+00			5 50	1232 42	5° Lt. Ctr. Mac. Pvmt.
T.P.	10 96	1248 17	0 71	1237 21	5+35 Sq. Hd. 1' fr. Lt. Edge of Pvmt.
5+50			9 83	1238 34	2° Lt. Ctr Mac Pvmt
6+00			3 51	1244 66	9° Rt. " " "
T.P.	8 46	1256 00	0 63	1247 54	6+15 Sq. Hd. Ctr. Mac. Pvmt.
6+50			6 42	1249 58	10° Lt. Ctr. Mac. Pvmt.
7+00			4 45	1251 55	11° Rt. " " "
7+50			2 94	1253 06	6° Rt. " " "
T.P.	10 12	1265 83	0 29	1255 71	7+75 Sq. Hd. 2' fr. Lt. Edge of Pvmt
8+00			7 83	1258 00	7° Rt Ctr. Mac Pvmt
8+50			2 95	1262 88	6° Rt. " " "
T.P.	10 32	1275 61	0 54	1265 29	8+75 Sq. Hd. 3' fr. Lt. Edge of Pvmt
9+00			9 75	1265 86	5° Rt Ctr. Mac. Pvmt
9+50			8 40	1267 21	22° Lt. " " "
10+00			2 12	1273 49	7° Rt. " " "
T.P.	9 73	1285 02	0 32	1275 29	10+15 Sq. Hd. Ctr. Mac. Pvmt.
10+50			6 40	1278 62	10° Rt. Ctr. Mac Pvmt.
11+00			3 02	1282 00	8° Rt. " " "

Profile No. ____ Notes Red ____ Plotted ____ Job No. 22 15.14 Division No. 11 F.B. 3109 PG. 187
X-Sec. No. ____ Date ____ Date ____ Survey of ZTC Fernwood Peak
Notes Chkd. Fitch Checked ____ Survey by Lind Notes J.M.M. Date 3-14-63
Date 3-63 Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	Profile of Horseshoe Dr.
		1285 02			
T.P.	920	129381	041	128461	11+40 Sq. Hd. 1' fr. Lt. Edge of Pvmt.
11+50			874	128507	7° Rt. Ctr. Mac Pvmt.
12+00			520	128861	9° Rt. " " "
12+50			230	129151	7° Rt. " " "
T.P.	980	130303	058	129323	12+70 Sq. Hd. Ctr. Pvmt.
13+00			806	129497	Ctr. Line
13+50			312	~~1300~~ 1299.91 91	4° Lt. Ctr. Mac Pvmt
T.P.	776	131029	050	130253	13+70 Sq Hd. Ctr. of Pvmt
14+00			550	130479	2° Lt. Ctr. Mac Pvmt.
14+50			460	130569	Ctr. Line & End of Horseshoe Dr.
T.P.	056	130309	776	130253	13+70 Sq. Hd. Ctr. of Pvmt.
T.P.	151	129474	986	129323	12+70 " " " " "
T.P.	152	128613	1013	128461	11+40 " " 1' ft. Lt. Edge of Pvmt
T.P.	061	127591	1083	127530	10+15 " " Ctr. Mac Pvmt
T.P.	220	126751	1060	126531	8+93 " " 3' Rt. Edge of Pvmt
T.P.	140	125713	1178	125573	7+75 " " 2' Lt. Edge "
T.P.	057	124812	958	124755	6+15 " " Ctr. Mac. Pvmt
T.P.	044	123766	1090	123722	5+35 " " 1' fr. Lt. Edge Pvmt
T.P.	112	122774	1104	122662	4+70 " " Ctr. Mac. Pvmt
T.P.	102	121698	1178	121596	4+10 " " 2' fr. Rt. Edge of Pvmt
T.P.	080	120607	1171	120527	3+20 " " 2' fr Rt. " " "

F.B. 3109 PG. 188 22.15.12

Job No. ___ Division No. 1 Notes Red ___ Plotted ___ Profile ___

Survey of ZIIC Fernwood Peak Date ___ Date ___ No. ___

Survey by Lind Notes J.M. Maldonado Notes Chkd. Fitch Checked ___ X-Sec. ___

Indexed C. J. GALLI Date ___ Date 3-63 Date ___ No. ___

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		1206.07				
T.P.	1.28	1196.25	10.73	1195.34	2+00	
T.P.	0.78	1187.42	9.98	1186.64	3+95 Sq. Hd. ctr. Pvmt	
BM W-2			10.43	1176.99	BM W-2 El. = 1176.984 F.B. 3108-24	
					Fernwood Pacific Dr. and Horseshoe Dr.	
					N.W. Cor. a Std. C.E. Brass Cap BM. Mon.	
					Stamped BM W-2	

Profile Notes Red. Plotted Job No. 2215.14 Division No. 11 F.B. 3109 PG. 184
No. X-Sec. Date Survey of ZTC Fernwood Park
Notes Chkd. Fitch Date Survey by Lund Notes T.M.M. Date 3-14-63
No. Date 3-63 Checked Date Map No. Indexed G. J. GALLI Date

Notes Ck'd by		Survey of TUNA CYN ROAD	F. B. 3109 PG. 191
Map No.		JN 0303.00 Tape 0145 Std 84 °F	
Office Work		Surveyed by R.C. BOWERS	
Checked		Notes RCB Date 4/63	
Date		Indexed R. J. GALLI MAY 69	

RETRACEMENT

TUNA CANYON RD.

P.I. #106 to P.I. #111

in

SEC. 19, R. 16 W., T. 1 S.

J.N. 0303.00

APRIL 1963

REF.

F.B. 107, - 96 to 99
F.B. 695 - 239 to 241
F.B. 3108 - 118 to 121
C.S. 8834

PARTY

BOWERS
SMILEY
DOVER
TINDELL

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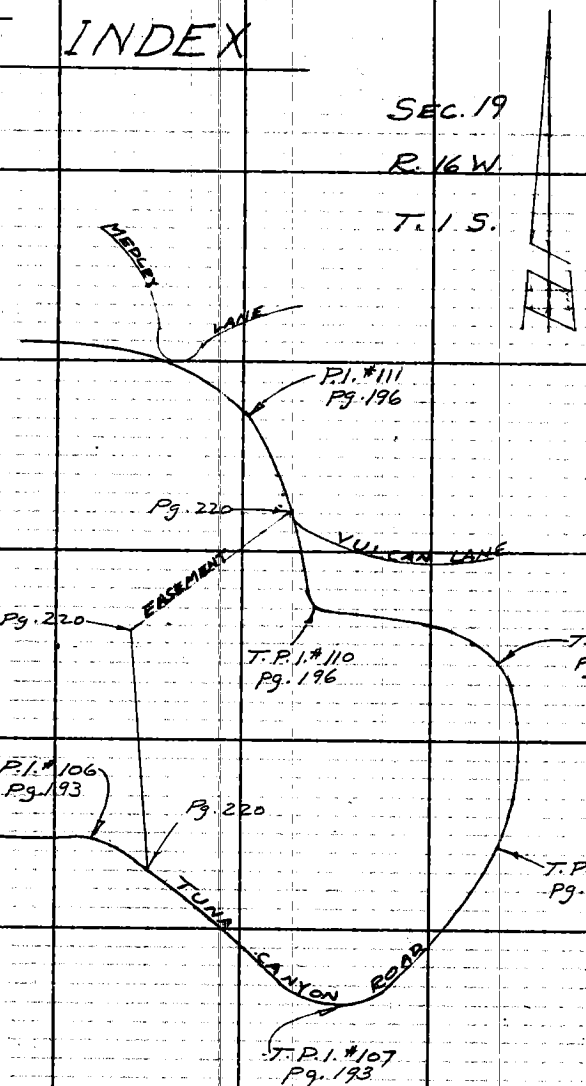
7GF309S CE # 310 3-61

F. B. 3109 PG. 192

INDEX



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

Survey of TUNA CYN. ROAD
JN 0303.00 Tape 0145 Std. 84 °F
Surveyed by R.C. BOWERS
Notes ECB Date 4/63
Indexed C. J. GALLI

F. B. 3109 PG. 193

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76F3095 CE # 310 3-61

W.S. 69 d-4

Set 60d nail & T. in T.P. # 25884-Y

0+00 = 7+14.15

P.I. # 106
Fd. 3/4" I.P. wd. plug
#Nail - Dn. 15" per
F.B. 3108-118
F.B. 695-239
F.B. 107-96
C.S. 8834

SEC. 19
T. 1 S.
R. 16 W.

To P.I. # 105
F.B. 3108-118

Start of Curve

44.94
34.50
13.82
126.0
F.B. 695-239
126° 18' 45" Rec.
126° 03' Meas.

℄ EASEMENT

Set P.M. & Cross on Top N. Rim of F.H. 5.4' above P.I. # 106

Set 60d Nail & Tin in Sandstone Gutter

54.43

0+54.43 = 7+68.60
Int.
Fd. 1" I.P. Conc. plug & C.E. Tag Dn. 3" per F.B. 3168-119

0.19
0.22
0.28

TUNA CANYON ROAD

set nail by Int. pg. 220

407.39 per F.B. 107-96

353.33 Meas.

Ⓒ 126° 03' 00"
Ⓐ 144° 12' 00"
Ⓑ 36° 18' 15" ✓
126° 03' 03" V

T = 52°
Lev. = 54.44
.01
54.43 ✓

NOTE: For Traverse see F.B. 3168-119 (Survey) SEE PG. 220

24" G.I. Cul.

Set P.M. & Cross on Top of Rim of Culvert.

40.12

Pg. 1911

T = 66°
177.96 @ Lev. = 177.96 ✓

175.58 @ 2°33' = 175.41
175.62 @ 2°47' = 175.41

353.37
.04
353.33 ✓

28' 30"
82° 29' 00"
82° 37' 10" Rec.
FB. 107-97

T.P.I. # 108
To 324.67 Meas.

Cent. Bot.

18" G.I. Cul.

Set P.M. & Cross on Top of Cul.

17.36

T LINE

4407.7
T.P.I. # 107

Searched to depth of 24". Fd. nothing - Set 1X2 #N., Dn 6" Reland Dist from the two Redwood Ties per F.B. 107-97 C.S. 8834
Reset 1" I.P. Conc plug & C.E. Tag Flush
R.C.D. 2/r 7-7-63

T = 68°
Lev. = 40.68 ✓

T = 68°
Lev. = 28.47 ✓

Line Prod.
40.68 Rec. Dist.
Line Prod.
28.47 Rec. Dist.

Ⓒ 82° 29' 00"
Ⓐ 329° 56' 00"
Ⓑ 134° 54' 00" ✓
82° 29' 00" ✓

82° 37' 30" Meas.

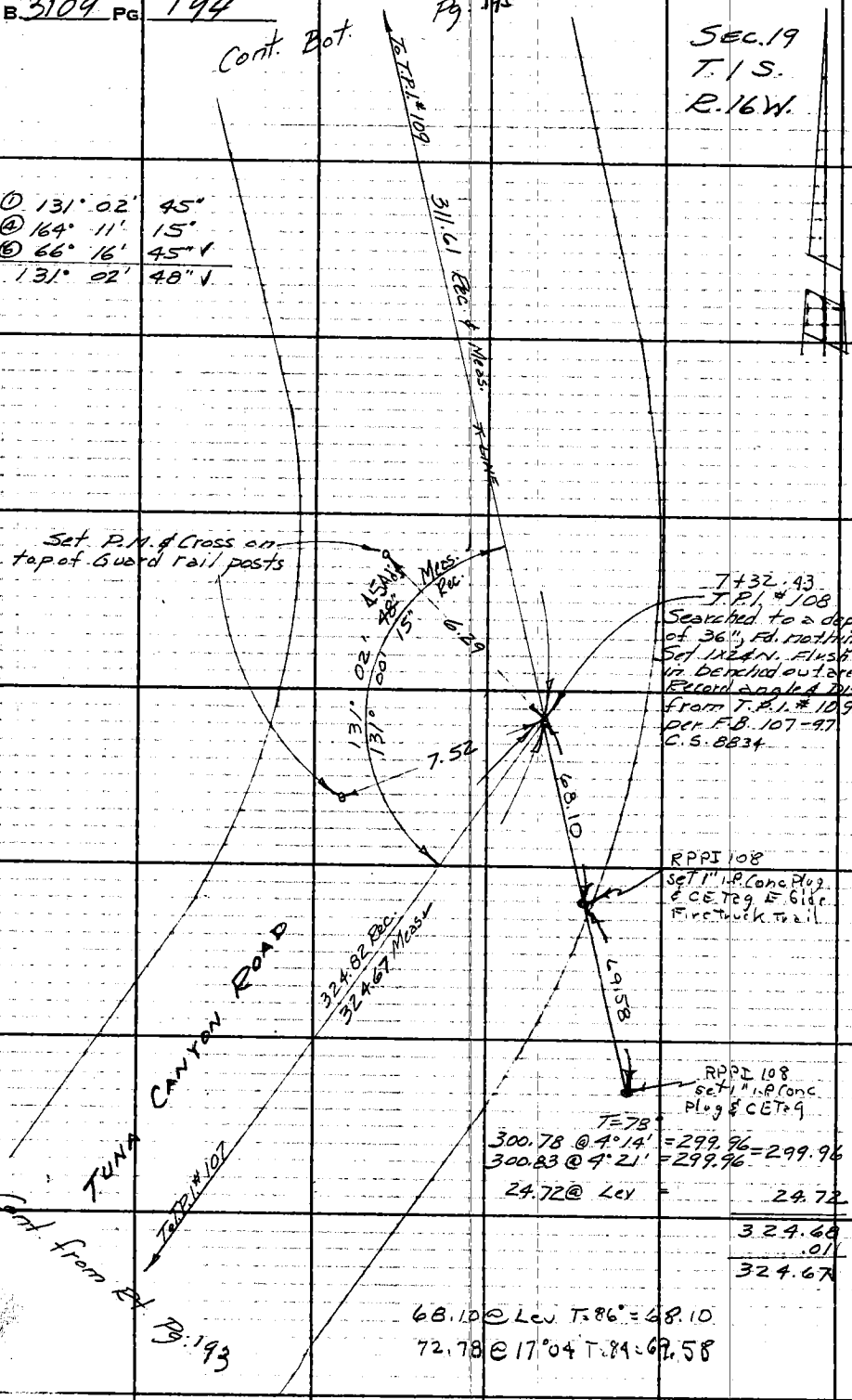
0.09
0.27

Fd. Remains of old Redwood 2x2 - No nail - Dn. 3" Used Center F.B. 107-97

F. B. 3109 PG. 194

Cont. Bot. Pg. 195

Sec. 19
T. 1 S.
R. 16 W.



① 131° 02' 45"
④ 164° 11' 15"
⑥ 66° 16' 45" ✓
131° 02' 48" ✓

T=78°
300.78 @ 4°14' = 299.96
300.83 @ 4°21' = 299.96 = 299.96
24.72 @ Lev = 24.72
324.68
.01
324.67

68.10 @ Lev T=86° = 68.10
72.78 @ 17°04 T=84 = 69.58

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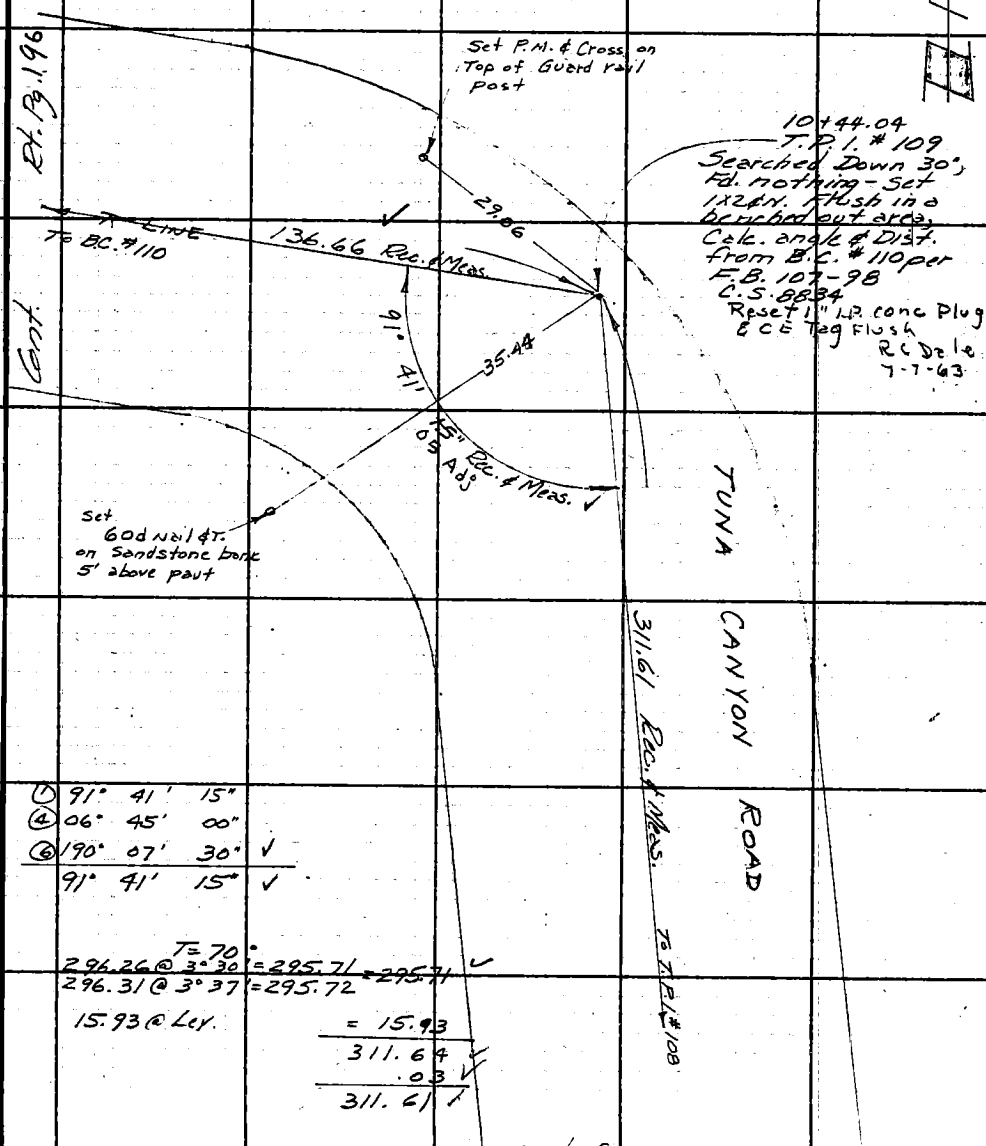
Map No.	JN 0303.00 Tape 0145 Std 84 °F
Office Work	Surveyed by R.C. BOWERS
Checked	Notes RCB Date 4/63
Date	Indexed C. J. GALLI

F. B. 3109 PG. 195

SEC. 19
T. 1 S.
R. 16 W.

T = 74°
123.14 @ 4° 02' = 122.84
123.23 @ 4° 34' = 122.84 = 122.84
13.83 @ Lev. = 13.83
136.67
.01
136.66 ✓



① 91° 41' 15"
④ 06° 45' 00"
⑥ 190° 07' 30" ✓
91° 41' 15" ✓

T = 70°
296.26 @ 3° 30' = 295.71 = 295.71 ✓
296.31 @ 3° 37' = 295.72
15.93 @ Lev. = 15.93
311.64 ✓
.03 ✓
311.61 ✓

Cont. from Top Pg. 194

W.S. 89 & 4

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76F309S CE # 310 3-61

F.B. 3109 Pg. 196

Sec 19
T. 1 S.
R. 16W.

15+70.62 = 14+20.90
P.I. # 111
Fd. 3/4" I.P., Wd. plug & N.
Dn. 15' Rec. F.B. 3108-121
F.B. 695-241
F.B. 107-99
C.S. 8834
(This point was loose - Reset by Two 10 Tics) FB 3108-121

T = 48°
208.04 @ 4° 04' = 207.52
208.13 @ 4° 24' = .05
7.20 @ Lev. = 7.20
214.72
214.67

To P.I. #112 FB 3108-121

112° 05' 30" Rec. FB 3108-121

98.11 Rec. FB 3108-121

14+72.51 = 13+22.29
INT.
Fd. Cut Spk. W&T.
Rec. F.B. 3108-121
F.B. 695-241
See Pg. 220

TUNA CANYON ROAD

EASEMENT See Pg. 220 Sat. Easement Survey

214.67

236.03 Rec. F.B. 695-241

① 112° 05' 30"
② 88° 21' 30"
③ 312° 32' 15" V
112° 05' 23" V

① 164° 01' 15"
② 296° 04' 45"
③ 264° 07' 15" V
164° 01' 13" V

50.64 @ 18° 13' T = 74° = 48.10
56.79 @ 21° 59' T = 74° = 52.69

T = 50°
Lev. = 21.36

112° 05' 23" Calc. & Meas.

12+57.84
P.O.S.T. #110
Set P.M. on Top of Iron Guard Rail

℄ LINE
77.14 Calc. & Meas.

164° 01'
164° 01'
15.04° Adj. Meas. & Calc. V

21.36 M

15.06

Set P.M. & Cross on Top Rim of 2" C.I. Culvert

PPP #110 Set 1" I.P. Conc. Plug & Cc T.P.

48.10

2.69

71.89 Calc
71.90 M. V

℄ LINE
136.66

Tot. P.I. #109

591.64 West Rec.

T.P.I. #110
Set 1/2" ø N., Flush in Creek Bottom. Searched down 3' to Underground Stream. Fd. Nothing. Set on line prod from P.I. #111 & Easement Int., Record dist from Int. per F.B. 695-241
F.B. 107-99
Reset 1" I.P. conc plug & CE Tag Flush R.C. Dale 7-7-63

Set Sq. Ho. & T. on Top of 15" Tree Stump

11+80.70
B.C. #110
Set Bf. Spk. & T. Flush, Calc. angle & Dist. from P.O.S.T. #110

T = 48°
Lev. = 71.92
.02
71.90 ✓

T = 48°
Lev. = 77.16
.02
77.14 V

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Map No.	JN 2215.14 Tape Std °F	
Office Work	Surveyed by E.C. BOWERS	
Checked	Notes E.C.B Date 4/63	
Date	Indexed W. J. GALLI MAY 7 '63	

LOCATION OF IMPROVEMENTS ON TUNA CANYON ROAD

P.I. # 106 to P.I. # 111

SEC. 19, R. 16 W., T. 1 S.

J.N. 2215.14

APRIL 1963

REF.

F.B.

PARTY

BOWERS

SMILEY

DOYEE

TINZELL

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76F3095 CE # 310 8-61

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Office Work
Checked
Date

Survey of TUNA CYN. RD.
JN 2215. 14 Tape Std °F
Surveyed by E.C. BOWERS
Notes ECB Date 4/63
Indexed C. J. GALLI

F. B. 3109 Pg. 199

STATION	OFFSET	DESCRIPTION	
0+00	9½ Rt.	P.I.#106 - Pg. Edge Pavt.	
	39± Rt.	" "	
0+13±	28 Lt.	Fire Hyd.	
0+17±	℄ Line	Edge Pavt	
0+54.43	13± Rt.	" " (Int.)	
"	11± Lt.	" "	
1+00	8± Rt.	" "	
"	12± Lt.	" "	
1+85	℄ line	" "	
2+00	1± Lt.	" "	
"	18± Lt.	" "	
2+34±	℄ Line	" "	
2+70±	11½ Rt		
"	9± Lt.	" "	
2+82±	19± Rt.	15" Conc. C.I. Drain (inlet)	Ent. to Fire Truck Trail
3+00±	7± "	edge pavt.	
"	30± "	"	
"	36± "	15" Corr. C.I. Drain (outlet)	
3+40±	15± Rt.	Edge Pavt.	
"	41± Rt.	" "	
3+63±	7½ Rt.	End Conc. Hd. Wall - Edge Pavt.	
3+65±	℄ Line	" " " "	
3+67±	"	24" C.I. Culvert. (Inlet)	
3+68±	0± Lt.	End Conc. Hd. Wall	
"	33 Rt.	" " " - Edge Pavt.	
→ 3+61±	178 Lt.	24" C.I. Culvert (outlet)	
→ 3+60±	22± Lt.	18" C.I. Culvert (outlet)	
3+74±	℄ Line	Edge Pavt.	
"	30½ Rt.	" "	
3+94±	11±	18" C.I. Culvert. (inlet)	
4+00	℄ Line	Edge Pavt.	
4+07.76		T.P.I. #107 - Pg.	
4+28±	℄ Line	Edge Pavt.	
"	22± Lt.	" "	
5+00	13± Rt.	" "	
"	6± Lt.	" "	

Pickups

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FORM 310 8-61

F. B. 3109 PG 200

STATION	OFFSET	DESCRIPTION
5+50	12.3 Rt.	Edge Pavt
"	7.5 Lt.	" "
6+00	8.5 Rt.	" " Ent. to Fire Truck Trail
"	10.5 Lt.	" "
6+50	9.2 Rt.	" " " " " " "
"	12.0 Lt.	" "
7+00	5.1 Rt.	" " " " " " "
"	19.5 Lt.	" "
7+10.8	3.1 Rt.	End Iron Guard Rail
7+16.0	℄ Line	Edge Pavt
7+20.5	"	Iron Guard Rail
7+32.43		T.P.I. # 108 - Pg.
7+40.2	0.3 Rt.	End Iron Guard Rail
7+43.0	℄ Line	Edge Pavt.
"	27.0 Lt.	" "
8+00	14.5 Rt.	" "
"	10.8 Lt.	" "
9+00	14.0 Rt.	" "
"	11.6 Lt.	" "
10+00	8.5 Rt.	" "
"	13.5 Lt.	" "
10+31.5	℄ Line	" "
10+44.04		T.P.I. # 109 - Pg.
10+55.0	℄ Line	Edge Pavt
10+65.0	6.2 Rt.	" "
"	21.5 Lt.	
10+70.5	9.0 Rt.	End Iron Guard Rail
11+00	11.1 Rt.	Edge Pavt.
"	10.5 Lt.	" "
11+10.7	13.4 Rt.	End Iron Guard Rail
11+45.0	13.1 Rt.	Edge Pavt
"	3.5 Lt.	" "
11+80.70	16.0 Rt.	B.C. # 110 (90° to back line) Edge Pavt.
"	1.5 Lt.	" " " "
12+00	10.0 Rt.	Edge Pavt
"	6.5 Lt.	" "

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

Survey of Tuna Cyn Road
JN 2215.14 Tape Std °F
Surveyed by R.C. Bowers
Notes RCB Date 4/62
Indexed R. J. GALLI

F. B. 3109 PG. 201

STATION	OFFSET	DESCRIPTION.
12+23 e	7 Rt.	Edge Pavt.
"	12 Lt.	" " and End Iron Guard Rail
12+30 e	28 Rt.	24" C.I. Culvert (outlet)
12+57.84	℄ Line	POST #1110 = Guard Rail & Edge Rd.
"	30 Lt.	Edge Pavt. (90° to back line)
12+58 e	7 Lt.	24" C.I. Culvert (inlet) - (Back 90° to ℄ Inc. Prod.)
12+60 e	23 Lt.	End Iron Guard Rail
13+00	12 Rt.	Edge Pavt.
"	6 Lt.	" "
13+23 e	15 Rt.	End Conc. & Rock Drain = Edge Pavt
13+29 e	21 Rt.	" " " "
13+30 e	15 Rt.	" " " " = " "
13+33 e	21 Rt.	" " " "
14+00	16 e Rt.	Edge Pavt.
"	6 Lt.	" "
14+57 e	14 Rt.	" " Tuna Cyn. Rd. & Vulcan Lane
"	39 e Rt.	" " Vulcan Lane
14+72.51	14 Rt.	" " Easement Int. - Pg.
"	11 Lt.	" "
14+79 e	13 Rt.	" " Tuna Cyn. Rd. & Vulcan Lane

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7-63 F309S CE # 310 B-61

X

F.B. 3109 PG. 203

Profile No. | Notes Red Date | Plotted Date | Job No. 2215.14 Division No. | Survey of TUNA CANYON ROAD (13)
X-Sec. No. | Notes Chkd. Date | Checked Date | Survey by R.C. Bowers Notes RCB Date 4/63 | Map No. Indexed E. J. GALLI Date MAY 7 '63

PROFILE
of
TUNA CANYON ROAD

P.I. #106 to P.I. #111

SEC. 19, R. 16 W., T. 1 S.

J.N. 2215.14

APRIL 1963

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

REF.
F.B. 3108 – 15 to 20

PARTY
BOWERS
SMILEY
DOVER
TINDELL

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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F.B. 309 Pg. 204 | Job No. 22154 | Division No. | Notes Red | Plotted | Profile
Survey of Tuna Canyon Road | Date 4-30-63 | Date | No. | X-Sec.
Survey by R.C. Powell | Notes L.C. Smiley | Notes Chkd. | Checked | No.
Indexed | Date | Date | Date

STATION	B.S.	H.I.	F.S.	ELEV.		
T.B.M.	0 90	1744 96		1744 06	T.B.M. Elev. 1744.064 Chiseled X Top of 2" IP embedded at 45° L in top of 12" conc. wall, 3' from East end at entrance to underground Reservoir, on Tuna Cyn Road.	F.B. 3108-16
T.P.	0 27	1733 76	11 47	1733 49 / ~~1756 43~~	T.P.	
T.P.	0 09	1722 32	11 53	1722 23	T.P.	
T.P.	0 23	1710 57	11 98	1710 34	T.P.	
T.P.	0 67	1699 60	11 64	~~1698~~ 93	T.P.	
T.P.	0 41	1688 02	11 99	1687 61	T.P.	
0+17 C			3 CC	1685 02	Rt. Ln. edge Pvmt.	
7+54 43			7 12	1680 90	Ent. (eastbound) Pvmt. (Rt. Ln.)	
T.P.	0 67	1676 94	11 75	1676 27	T.P.	
1+00			1 36	1675 58	Rt. Ln. Pvmt.	
2+00			9 45	1667 49	1° L. edge Pvmt (Rt. Ln.)	
T.P.	0 69	1665 50	12 13	1664 81	T.P.	
2+82 2			422	1661 28	19° Rt. f.l. 15" Corr. G.I. Drain	
3+00 C			338	1662 12	7° Rt. edge Pvmt.	
"			581	1659 69	36 L Rt. f.l. 15" " " "	
T.P.			11 81	1653 69	T.P.	

4

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
T.P.	0 80	1654 49		1653 69	T.P.	
3+40			+2 81	1657 30	28' Rt. (ctr. Print.)	
+63.0			1 70	52 79	7.4 " (End. Hd. wall - edge Print.)	
+65.5			2 25	52 24	⊼ Lin (" ") Top.	
"			3 52	50 97	" " (" ") btm.	
67.3			3 52	50 97	" F.L. 24" Corr. Gl. Culvert.	
68.9			3 43	51 06	0.8 L. btm (conc. Hd. wall)	
"			2 34	52 15	" top. (" ")	
"			2 68	51 81	3.3 Rt. (edge Print. end. Hd. wall)	
+61.5			8 51	45 98	17.5 Lt. (F.L. 24" Corr. Gl. Culvert)	
+60.0			9 51	44 98	22.7 " (" 18" " " ")	
+74.0			2 56	51 93	⊼ edge Print.	
+94.0			2 30	52 19	11.9 Rt. (F.L. 18" Corr. Gl. Culvert)	
4+00			1 38	53 11	⊼ Lin. edge Print.	
+28			3 [illegible]	51 39	⊼ " " "	
5+00			9 39	45 10	⊼ " Print.	
T.P.	0 28	1642 22	12 05	1642 44	T.P.	
6+00			5 [illegible]	37 25	[illegible]	
T.P.	0 48	1632 00	1 [illegible]	1631 52	T.P. (top Gd. Rail [illegible])	
7+00			1 85	30 15	⊼ Lin. Print.	
X+16			2 96	1629 04	" " (edge)	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2215.14 Division No. ____ Date ____ Date ____ Survey of Tuna Canyon Road. (15)

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by R.C. Bowers Notes Smiley Date 5/63 Date ____ Date ____ Map No. ____ Indexed J. GALLI Date ____

F.B. 2104 PG 205

76-L298 CE 307 3-61

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STATION	B. S.	H. I. 1632.00	F. S.	ELEV.		
7+43			4 85	1627 15	⊼ Ln. Prm't (edge)	
8+00			[illegible]	22 15	" "	
T.P.	0 99	1620 [illegible]	12 29	[illegible]	T.P.	
9+00			6 80	13 90	⊼ Ln. Prm't.	
T.P.	0 42	1609 05	12 07	[illegible] 43	T.P.	
10+00			2 16	06 89	⊼ Ln. Prm't.	
+31			2 69	06 36	" " (edge)	
+55			4 18	1604 87	" " (")	
11+00			9 48	1599 07	" "	
(T.P.) T.R.M.	0 21	1601 50	7 28	1601 27	(T.P.) T.R.M. Elev. 1601.292 F.B. 3108-18	
				1601 29	Chis. X Top of R.R. Track on W. end of Guard Rail.	
11+80 20			8 70	1592 80	B.C. 1 5 Lt. prm't. (edge)	
12+00			9 88	1591 62	⊼ Ln. "	
+23			[illegible]	1589 77	" " " (break)	
T.P.	0 20	1590 08	11 62	1589 88	T.P. (top Gd. Rail Post)	
+30			12 80	77 28	2.8 6 Rt. F.L. 24" Corr. G.I. culvert (outlet)	
+57 84			2 04	88 04	P.O.S.T. #1.110 (edge Prm't.)	
12+58 6	(90° to back line road)		6 28	83 80	7 7 Lt. F.L. 24" Corr. G.I. " (inlet)	
13+00			6 52	1583 56	⊼ Ln. Prm't.	

F.B. 3109 PG. 206

Job No. 2215.14 Division No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Profile ____ No. ____

Survey of TUNA CANYON ROAD. Notes Chkd ____ Date ____ Checked ____ Date ____ X-Sec. ____ No. ____

Survey by E. Bowers Notes L.C. SMILEY Date ____

Indexed B. J. GALLI Date ____

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STATION	B.S.	H.I. 1590.08.	F.S.	ELEV.		
13+23 8			8 66	1581 42	⊼ Ln. Pmt.	
"			9 38	80 70	15 3 Rt. F.L. conc. & rock drain = edge Pmt.	
"			8 62	81 46	" " top. "	"
+29 0			11 05	79 03	21 8 " F.L. "	"
+30 2			9 94	70 14	15 8 " F.L. " "	" = edge Pmt.
"			9 31	70 77	" " top. " "	"
+33 5			11 01	79 07	21 4 " F.L. " "	"
T.P.	0 35	1578 55	11 88	1576 20	T.P.	
14 +00			3 33	75 22	⊼ Ln. Pmt.	
+72 51			9 33	69 22	⊼ Ln. Int. Easement	
T.P.	0 86	1567 52	11 89	1566 66	T.P.	
T.P.	2 42	1558 53	11 41	1556 11	T.P.	
T.B.M.			5 88	1552 65	T.B.M. Elev. 1552.651 F.S. 3108-19	
					Bt. spk. W. up 6" on road side of P.P. #25742-Y	
					At saddle, north side TUNA CYN RD.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2215.14 Division No. ____ Date ____ Date ____ Survey of TUNA CANYON ROAD

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by R.C. BOWERS Notes SMILEY Date 5/63

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

B. J. GALLI

FILE 3104 PG 707

17

Notes Ck'd by W. J. BRENNER	Survey of TUNA CANYON RD.	F. B. 3109 Pg. 209
Map No.	JN 0303.00 Tape 0195 Std A4 °F	
Office Work	Surveyed by E.C. BOWERS	
Checked	Notes E.C.B Date 4/63	
Date	Indexed R. J. GALLI MAY 28 '63	

FINAL CENTERLINE
OF
TUNA CANYON ROAD

P.I. # 114 to P.I. # 123
Along Tuna Cyn. Rd. Bet. the intersection of the Range Line 16W & 17W., T.1S. Bet. Sec. 24 & Sec. 19 and the intersection of the Range Line 16W. & 17W., T.1S. Bet. Sec. 13 & Sec. 18.

J.N. 0303.00

APRIL 1963

REF.
F.B. 3108 – 123 to 129
Office Calc. Sheet

PARTY
BOWERS
SMILEY
DOVER
TINDELL

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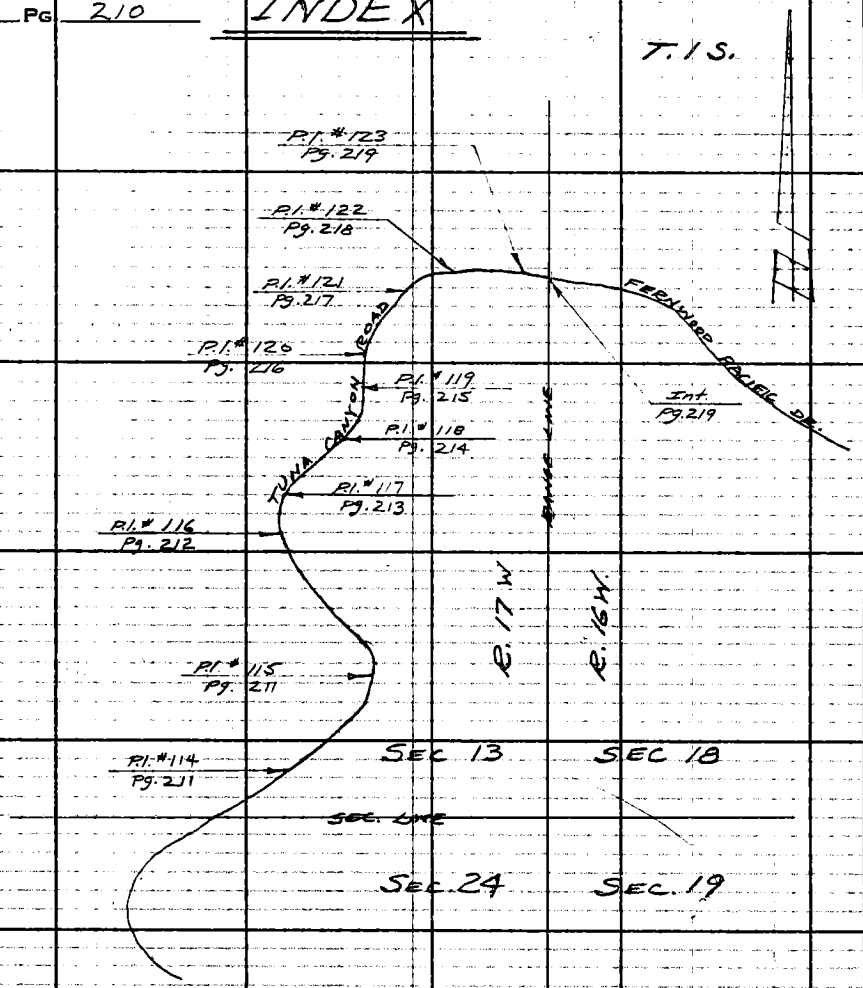
76F3099 CE # 310 3-61

F. B. 3109 PG. 210

INDEX



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

Survey of TUNA CYN RD.
JN 0303.00 Tape 0145 Std 84 °F
Surveyed by R.C. BOWERS
Notes RCB Date 4/63
Indexed J. GALLI

F. B. 3109 PG. 211

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76F3099 CE # 310 3-61

W.S. 84 Z-4

T = 64°
65.89 @ 12° 59' 30" = 64.20
65.78 @ 12° 32' 00" = 64.21
64.20
.01
64.19

① 144° 59' 15"
④ 219° 56' 15"
⑥ 149 54' 30"
144° 59' 05"

P.O.S.T.
Fd. 1X2 N. per F.B. 3108-124
This point removed

T.P.I. #115
Nothing Set

P.I. #115
Set 1" I.P. Conc. plug & C.E. Tag, Flush by proportion bet. P.I. #114 & Sec. Line to the North per C.S. 8834 per Office Calc.

Set Sq. Hd. & T. in 15" Oak up 6

Set Sq. Hd. & T. in 16" Oak up 5

Set Sq. Hd. & T. in 12" Oak up 8'

0.14
11.30
26.43
℄ LINE
90°
0.05
192.46 Rec.
℄ To P.I. 116
64.19
57.07
96.18
℄ LINE
20.00
0.17
0.01
90°
14°
14°
Sq. 59'
18' Rec. Meas.
15 Adj
Cont. Bk. 43, 212

274 13.04
P.O.S.T. #C115
Set 1" I.P. Conc. plug & C.E. Tag - Dn. 10" by Prop. bet. P.I. #114 & Sec. Line to North per C.S. 8834 per Office Calc.
Set Two 5.00' Sq. Hd. & T. Ties

T = 64°
Lev. = 96.19
.01
96.18

① 139° 49' 15"
④ 199° 17' 30"
⑥ 118° 56' 00"
139° 49' 20"

Set Sq. Hd. & T. in Trunk of 12" Oak
139° 139°
33.05
43.49
℄
267.76 Rec.
64.04
P.O.S.T.
Fd. 1X2 N. per F.B. 3108-124
This point removed
Set Sq. Hd. & T. in 15" Oak
12" Rec. 20' Meas.
14.3° 32' 45" Adj
30' 35" Rec. Meas.

26+16.86
P.O.S.T. #115
Set 1" I.P. Conc. plug & C.E. Tag - Dn. 10" by Prop. bet. P.I. #114 & Sec. Line to North per C.S. 8834 per Office Calc.
Set Two 3.00' Sq. Hd. & T. Ties

TUNA CYN. ROAD

23+49.10
P.I. #114
Fd. 1X2 N. per F.B. 3108-123 Flush
Reset 1" I.P. Conc. Plug & C.E. Tag Dn 12"

T = 64°
62.06 @ 23° 05' 00" = 57.09
62.64 @ 24° 19' 30" = 57.08
57.08
.01
57.07

① 143° 33' 00"
④ 214° 11' 45"
⑥ 141° 17' 30"
143° 32' 55"

P.I. #113
F.B. 3108-124

SURVEY

START of

F. B. 3109 Pg. 212

W.S. 89 C-4

100' Tape #078 T=68°

76.12 @ 3°30' T=60° = 75.98 ✓
76.64 Lev. T=79° = 76.64 ✓
Ctr. (Dry) creek bed.
℄ Prod. - Set L&Tag in top of 3'x8' rock.

2 - 248 48 30
9 - 137 37 15 ✓
6 - 26 25 45
Av. 124 24 18 ✓

2 - 112 40 10
9 - 225 20 15
6 - 338 00 30
Av. 56 20 05

31.94

29+82.14
Per: Off.
Calc.
New P.O.S.T.
Set 1" I.P.
P.&Tag
dn. 1.99 Set
2-2' Bt.
S.W.B.T. Ties
flush -
124° 24' 10" Adj. ✓

P.O.S.T.
Set L&Tag
in 3'x3'
rock
off
Calc.
58

Cont'd Pg. 213

New P.I. 116
Set 1" I.P.
P.&Tag
flush

258.
53.57

124° 24' 18"
31.88

0.34

90°

281+05
HWY.
Marker
Black & White
2"x8"

56°20'05"

29+81.97
P.O.S.T.
fd. 1x2 N.
flush
F.B. 3108-
125
(Removed)

TUNA CN. RD.

75.98 ✓

16.64

Set By Prop.
between Pl. #114
& Sec. line to the North.
Per C.S. 8834

29+05.50
New P.O.S.T.
Set 1" I.P.
P.&Tag
dn. 1.1 Per: Off. Calc.
Set 2-8'
Bt. S.W.B.T.
Ties
flush

0.07

90

29+05.69
P.O.S.T.
fd. 1x2 &N.
flush
F.B. 3108-124
Removed

2 - 223 51 30
9 - 87 43 00 ✓
6 - 311 34 30
Av. 111 05 15 ✓

℄ Off Calc.
192.46

Cont'd Pg. 211

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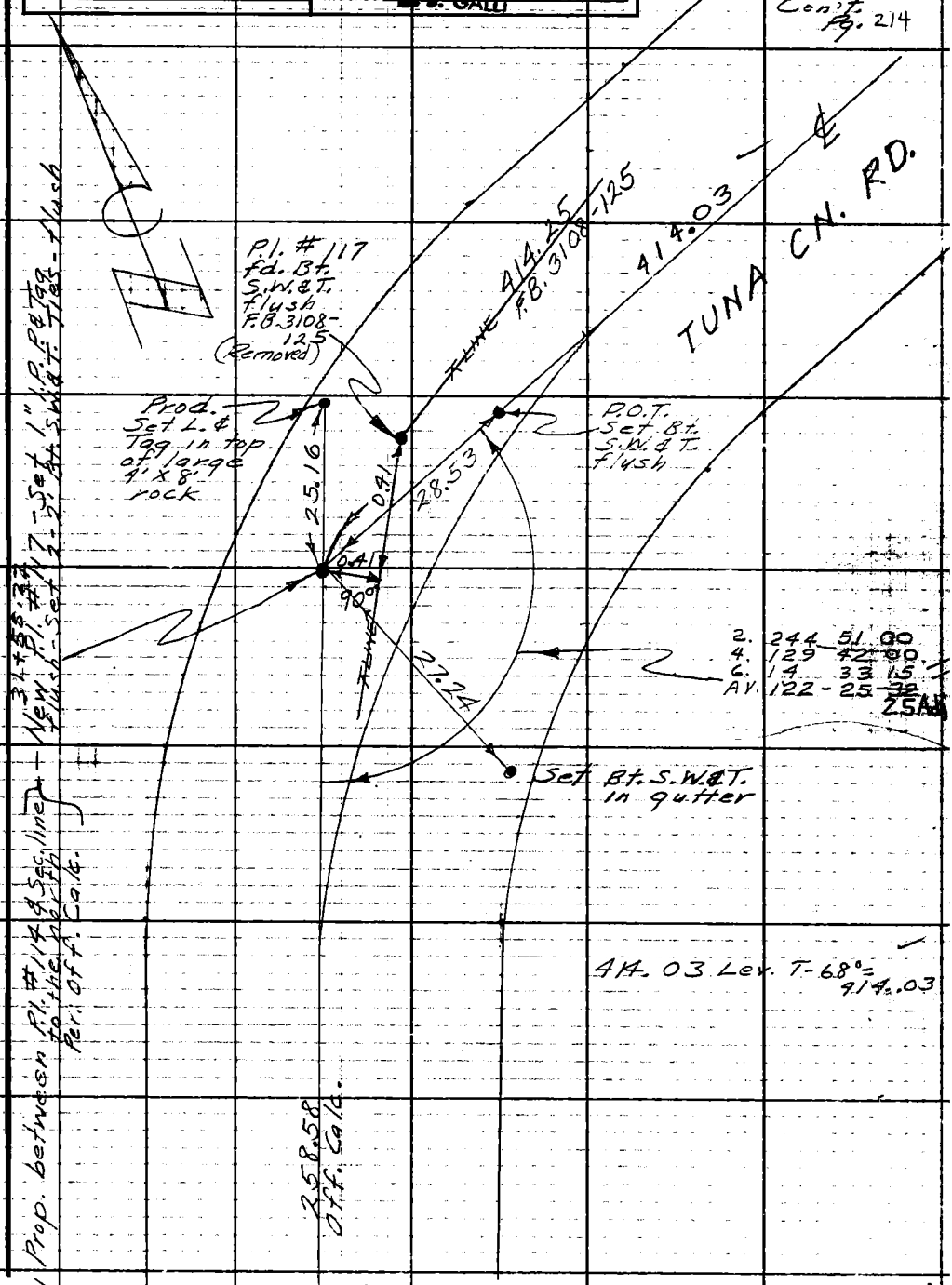
Notes Ck'd by W. J. BRENNER	Survey of Tuna Cn. Rd.
Map No.	JN 0303.00 Tape 078 Std. 68 °F
Office Work	Surveyed by English & Bowers
Checked	Notes Ed. & R.B. Date 4-29-63
Date	Indexed [redacted] J. GALLI

F. B. 3109 PG. 213

Con't. Pg. 214



Con't. Pg. 212

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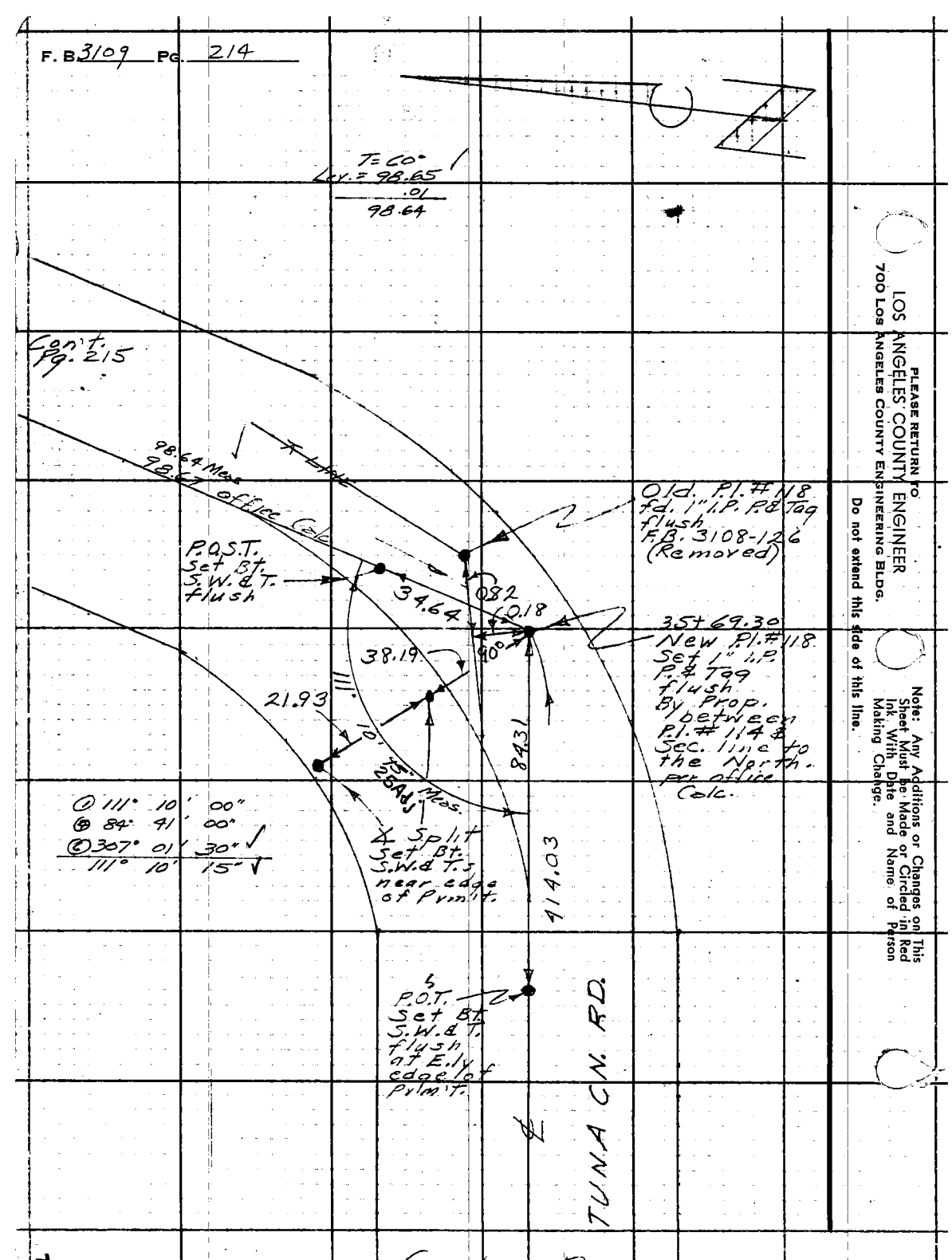
76F309S S&E #247 1-58

F. B. 3109 Pg. 214



Con't Pg. 213

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Notes Ck'd by W. J. BRENNER	Survey of TUNA CYN. RD.
Map No.	JN 0303.00 Tape 0272 Std 68 °F
Office Work	Surveyed by R. C. Bowers
Checked	Notes RCB Date 4/63
Date	Indexed W. J. GALLI

F. B. 3109 PG. 215

SEC. 13
R. 17 W.
T. 1 S.

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Cont Bo X.

TUNA CYN. RD.

℄ Line

240.53 Calc ℄

40+07.98
New P.I. #119
Set 1" I.P, Conc. plug
& C.E. Tag-Dn 6"
Record dist. from
Sec. Line to Sa. per
C.S. 8831 per office
Calc. Set Two 7.00'
Sq. Hd. & T. Surface Ties

Set Bt. spk, W. in
Sand Stone cut
bank - 5' above part.

Old P.I. #119
Fd 1 1/2 GI, Flush
per F.B. 3108-126
(Removed)

62.43

125.46'

T=64.00
Lev. = 234.22
.01
234.21

72.92

20" Rec.
03" Miss.
10 Adj's

0.50

0.93

90°

① 125° 46' 00"
② 1 43° 04' 15"
③ 34° 36' 15" L
125 46' 03"

Set Bt. spk & Sq. Washer
on Sand Stone Cut
bank - 4' above part.

T=64.00
Lev. = 105.83

234.21

℄ Line

① 98° 12' 30"
② 32° 49' 45"
③ 229 14' 30"
98° 12' 25"

Old P.O.T.
Fd. Bt. spk, W. & T.
per F.B. 3108-126
(Removed)

0.81

39+73.77
P.O.T.
Set Round Hd. spk
in Part.

15 Adj
Meas
25 Rec.

98° 12' 30"
98° 12' 25"

105.83

0.74 Meas.

SEC. 13

283.56 = TRUE SEC. LINE = F.B. 3108-126

36+67.94
Dpt.
Set 1" I.P, Conc. plug
& C.E. Tag-Dn, 10" Bk
Int. on New & Sec. Line
Set Two 4.00' Sq. Hd. & T.
Surface Ties

N. 89° 44' W.

9864

(Fd 1" I.P, Conc. plug
& C.E. Tag, Flush
per F.B. 3108-126
(Removed)

SEC. 24

Cont. from Top Pg. 214

76F3095 CE # 310 8-61

F. B. 3109 Pg. 216

W.S. of C-4

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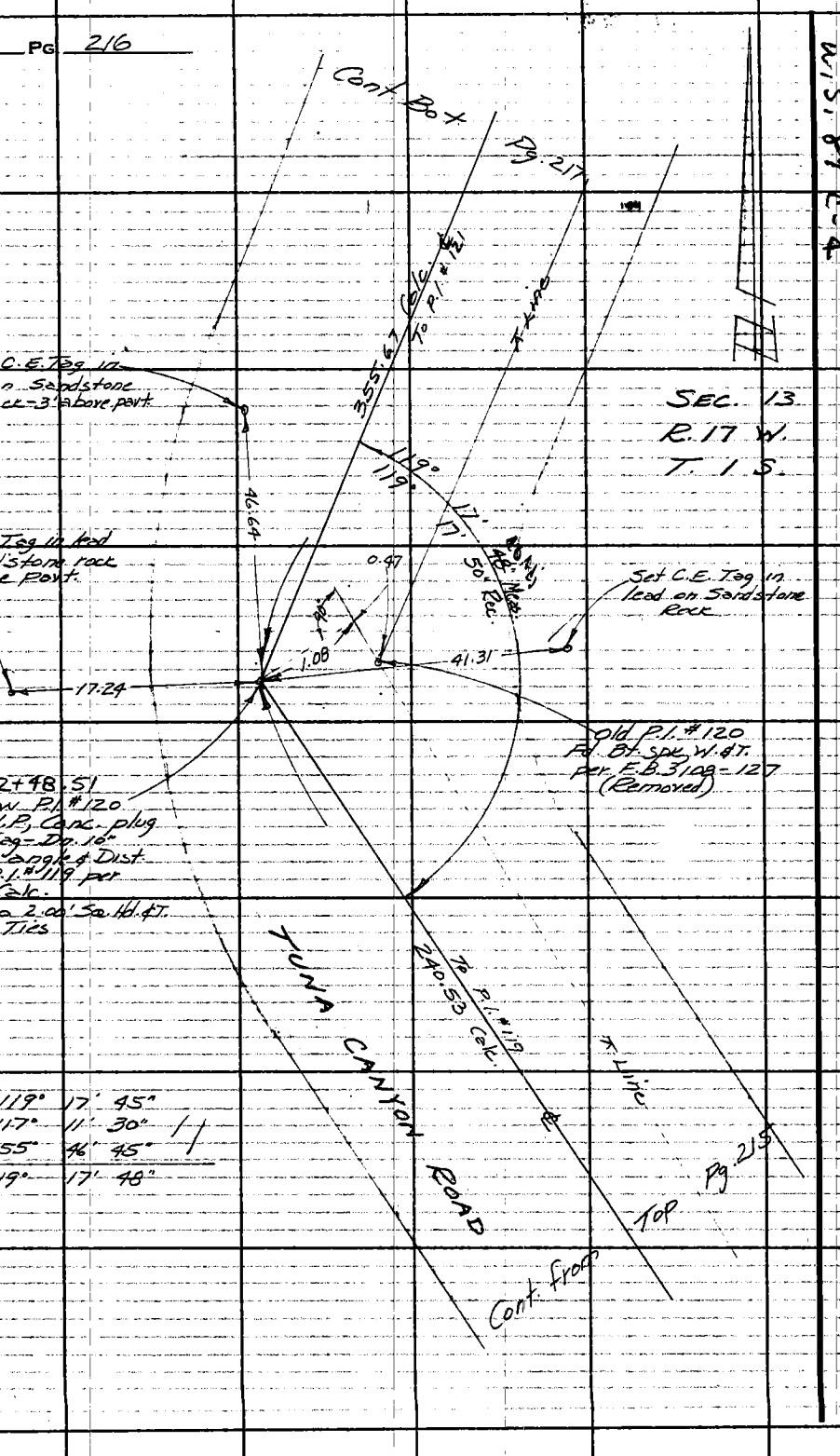
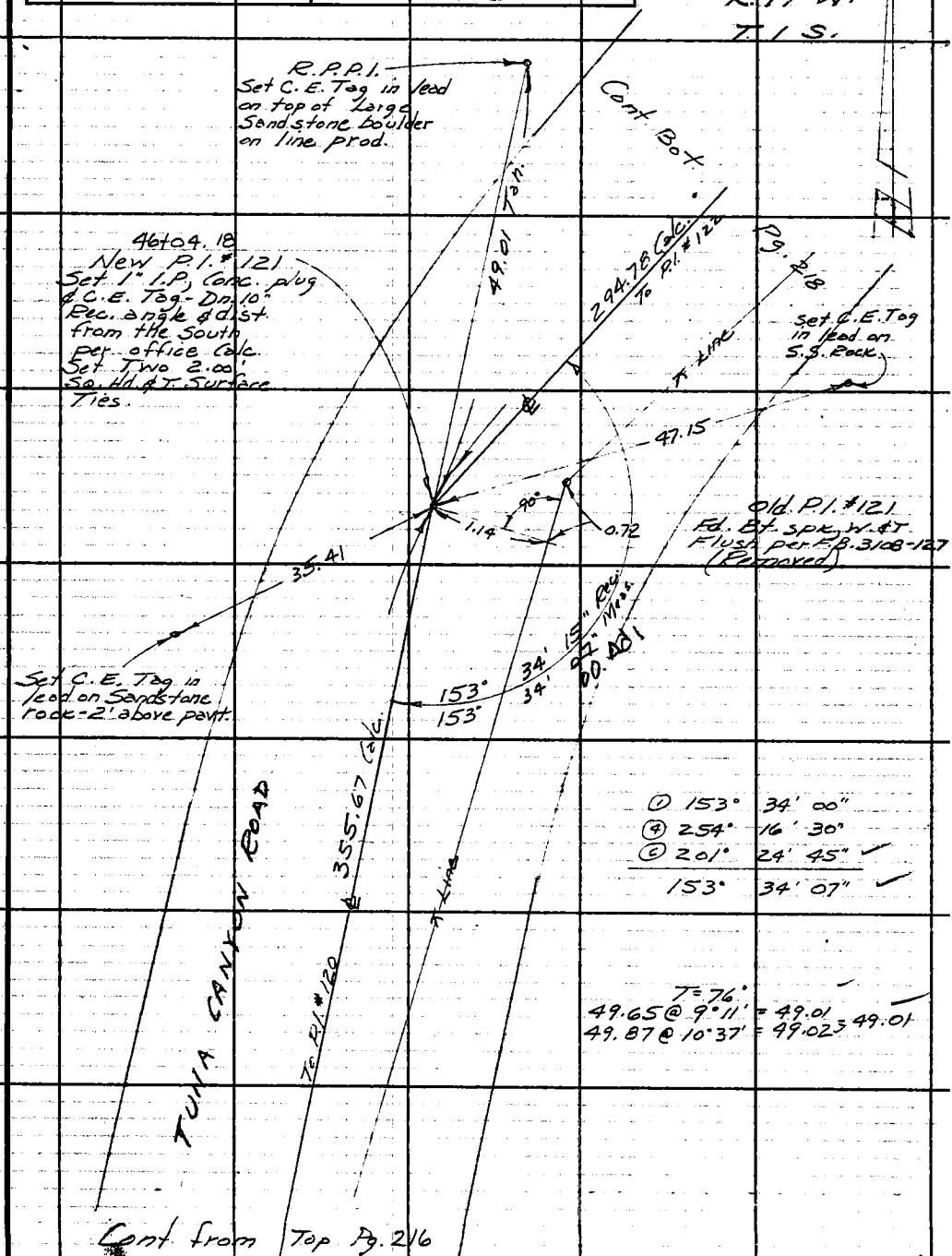


①	119°	17'	45"
④	117°	11'	30"
⑥	355°	46'	45"
	119°	17'	48"

Notes Ck'd by W. J. BRENNER	Survey of TUNA CYN. RD.	F. B. 3109 PG. 217
Map No.	JN 0303.00 Tape 0222 Std 68 °F	
Office Work	Surveyed by R.C. Bowers	
Checked	Notes RCB Date 5/63	
Date	Indexed E. J. GALLI	

SEC. 13
R. 17 W.
T. 1 S.



Cont from Top Pg. 216

W.S. 89 C-3

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76F309S CE # 310 3-61

F. B. 3109 PG. 218

Sec. 13
R. 17 W.
T. 1 S.

45.23 @ T-60° 11° 12' = 44.36

OLD P.I. #122
Fd. Bt. spk, W. & T.
Flush per F.B. 3108-128
(Removed)

48+98.96
New P.I. #122
Set 1" I.P., Conc. plug
& C.E. Tag-Dr. 10"
Record angle & dist.
from the South
per office Calc.
Set Two 2.00' Sq. Hd. & T.
Surface Ties

R.P.P.I. - Set 1" I.P. P&T
C.E. Tag
Flush

Cont. from Pg. 219

38.14
Prod.

℄ LINE

110.81 Calc. ℄
To P.I. #123

44.36
Prod.

R.P.P.I.
Set 1" I.P. P & Tag
Flush

1.13

0.84

137° 11' 53" Calc.
00" Adj.
137° 12'

294.78 Calc.

TUNA CANYON ROAD

To P.I. #121

℄ LINE

Cont. from Top Pg. 217

① 137° 12' 00"
④ 188° 48' 15"
⑥ 103° 12' 45" V
137° 12' 07"

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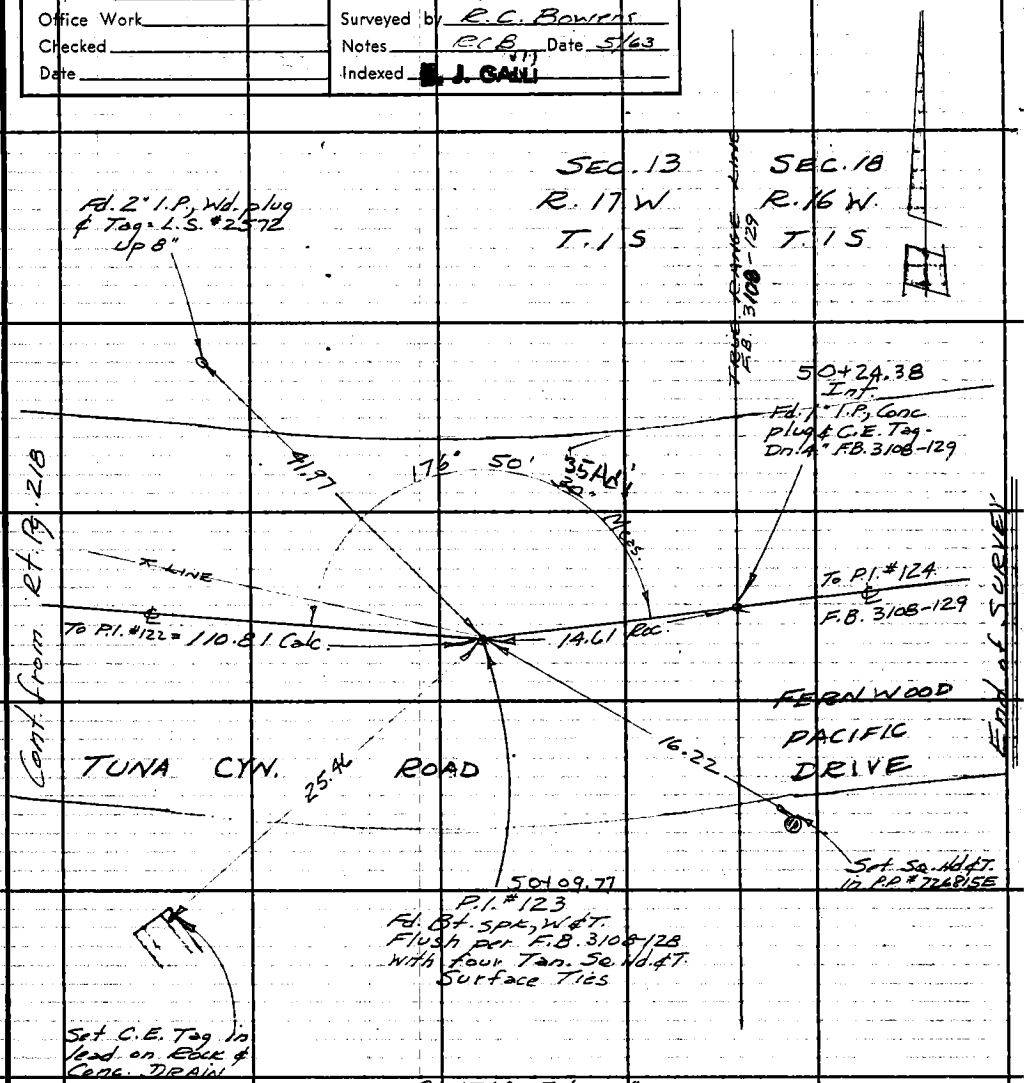
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink, With Date and Name of Person Making Charge.

Notes Ck'd W. J. BRENNER	Survey of TUNA CYN. RD.	F. B. 3109 PG. 219
Map No.	JN 0393.00 Tape 0222 Std 68 °F	
Office Work	Surveyed by R.C. Bowers	
Checked	Notes RCB Date 5/63	
Date	Indexed J. GALLI	



① 176° 50' 15"
④ 347° 22' 00"
⑥ 341° 03' 00"
176° 50' 30"

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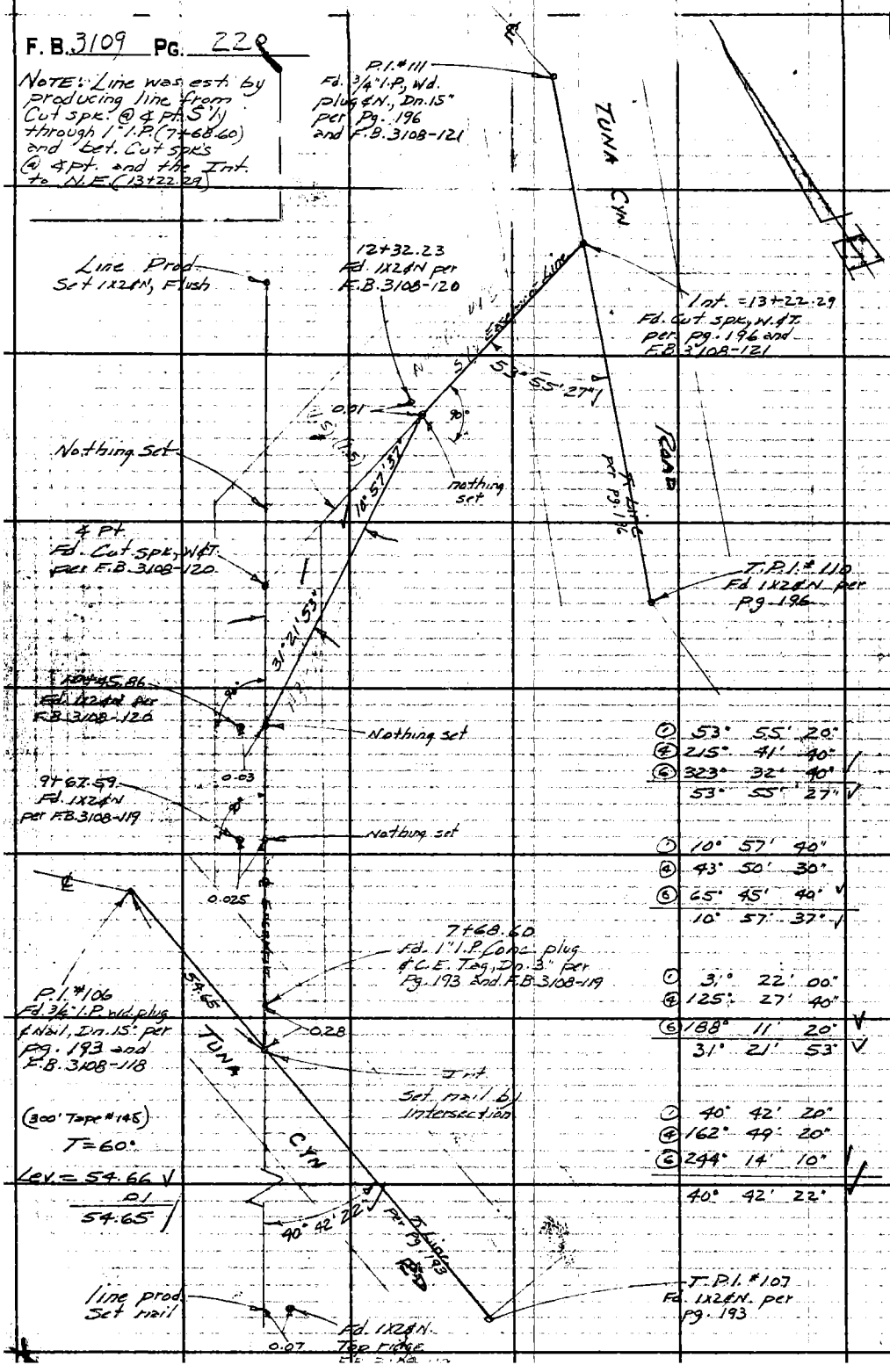
Wis 8 9 C-3

GF309S CE # 310 3-61

F. B. 3109 PG. 220

NOTE: Line was est. by producing line from Cut spk. @ ℄ Pt. S'ly through 1" I.P. (7+68.60) and bet. Cut spk's @ ℄ Pt. and the Int. to N.E. (13+22.29)



①	53°	55'	20"
④	215°	41'	40"
⑥	323°	32'	40"
	53°	55'	27"

①	10°	57'	40"
④	43°	50'	30"
⑥	65°	45'	40"
	10°	57'	37"

①	31°	22'	00"
④	125°	27'	40"
⑥	188°	11'	20"
	31°	21'	53"

①	40°	42'	20"
④	162°	49'	20"
⑥	244°	14'	10"
	40°	42'	22"

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Profile No.	Notes Red Date	Plotted Date	Job No. 2215.14 Division No.	F.B. 3109 Pg. 221
			Survey of Tuna Cyn. Rd.	
X-Sec. No.	Notes Chkd. Date	Checked Date	Survey by R.C. Bowers Notes R.C.B. Date 10/63	
			Map No. Indexed E. J. GALLI Date NOV 7 '63	

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PROFILE
of
TUNA CYN. RD.

From Reservoir Site E'ly of Jct. of Tuna Cyn. Rd. & Saddle Peak Rd., along Tuna Cyn Rd. N.E. to Jct. of Fernwood Pacific

J.N. 2215.14

Oct. 1963

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

Ref.
F.B. 3108
F.B. 3109

PARTY
Bowers
Morrison
Gilfoy
Duerbeck

76-L288 CE 307 3-61

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

F. B. 3109 PG. 222 | Job No. 2215.14 Division No. | Notes Red | Plotted | Profile
Survey of Tuna Cyn Rd. | Date | Date | No.
Survey by RC B | Notes | Notes Chkd. | Checked | X-Sec. No.
Indexed C. J. GALL | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
TBM	1055	1745 119		1744 064	T.B.M. Elev = 1744.064 F.B. 3108 - K Chiseled cross on top of 2" I.P., embedded at a 45° ∠ in Top of 12" Conc. Wall, 3' from East end @ Entrance to Underground Reservoir on Tuna Cyn Rd.	
0+00 T.P.			318	1741 94	(Spk W ∠ T in pav)	
1+00	0490	1733 639	11 970	1733 149	pav.	
2+00 Pl #104			805	1725 59	"	
2+53 13	1397	1723 868	11 168	1722 471	N. edg. pav. (Surface) per pg. 117	
2+88			545	1718 42	S. " "	
3+00			284	1721 03	on cut bnk.	
3+36			10 20	1713 67	S. edg pav.	
T.P.	0145	1712 243	11 770	1712 098		
4+00 Pl #105			249	1709 75	pav.	
4+06 13			2 96	1709 28	pav. Surface per pg. 118	
5+00			10 55	1701 69	"	
T.P.	1395	1701 516	12 122	1700 121		
6+00			7 22	1694 30	pav.	
T.P	1570	1691 294	11 792	1689 724		
6+85			2 16	1689 13	N. edg pav.	
7+33			2 28	1689 01	N edg pav easement line	

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
INT. = T.P.		1691 294				
7+68 60	10860	1691 772	10382	1680912	INT. ℄ & easement line per pg. 119	F.B. 3108
T.P.	10 830	1702580	0,022	1691.750		
T.P.	12 249	1714 749	0080	1702500		
T.P.	11 340	1726051	0038	1714711		
T.P.	11 418	1737 007	0462	1725589		
T.P.	10290	1745 647	1 650	1735357		
TBM.			1 580	1744067	TBM. Elv. = 1744.064 Chiseled cross on top of 2" I.P, embedded at a 45° ∡ in Top of 12" Conc. Wall, 3' from East end @ Entrance to underground Reservior on Tuna Cyn Rd.	F.B. 3108-16
	NOTE:	For Profile on Tuna Cyn. Rd. bet. Sta. 7+68.60 BK = 0+00 Ahd. to Sta. 15+70.62 BK = 14+20.40 Ahd., See F.B. 3109-203 to 207				
T.B.M.	12 281	1564 932		1552 651	T.B.M. Elev. 1552.651 Tuna Cyn. Rd. & Medley Lane. Bt. spk. & w., up 6" on Roadside of P.P. # 25742-Y AT SADDLE, on North side of Tuna Cyn. Rd.	F.B. 3108-19
T.P.	6 723	1570 517	1 138	1563 794		
INT. 13+22.29			1 301	1569 216	℄ INT. OF EASEMENT & TUNA CYN. RD.	F.B. 3108-121
14+ 00			6 74	1563 78	EDGE PVT.	
14+ 35			9 07	1561 45	" "	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2215.14 Division No. ____ F.B. 3109 PG. 223
X-Sec. No. ____ Date ____ Date ____ Survey of TUNA CN RD.
Notes Chkd. ____ Checked ____ Survey by R.C.B. Notes CHM Date 10-24-63
Date ____ Date ____ Map No. ____ Indexed P. J. CALL Date ____

76-L298 CE 307 3-61

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F.B. 3/09 PG. 224 | Job No. 23514 Division No. | Notes Red | Plotted | Profile
Survey of TUNA CYN. RD. | Date | Date | No.
Survey by RC BOWERS Notes GILFOY | Notes Chkd. | Checked | X-Sec.
Indexed C. J. GALL | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		1570 517				
T.P.			12 013	1558 504		
	1 518	1560 022				
15+00			4 42	155560	℄ PVT.	
16+00=T.P.			11 905	1548 117	℄ PVT.	
	1 158	1549 275				
PI-112						
16+58.70			5 16	154412	PVT.	F.B. 3108-122
17+00			10 33	1538 95	EDGE PVT.	
16+83.5	PICK UP SHOT		12 57	1536 71	36.5 LT. END 18" C.I.CUL.	
16+88.2	" "		9 19	154009	4.5 RT. CTR. 3' COBBLE STONE DRGN	
T.P.			11 557	1531 718		
	0 966	1538 684				
17+12.0			9 42	152926	END 18" C.I. CULVERT	INVT.
18+00			7 47	153121	℄ PVT.	
PI-113						
18+38.57			9 00	152968	PI. 113 PVT	FB 3108-122
T.P.			12 319	1526 365		
	0 345	1526 710				
19+00			1 96	152475	℄ PVT.	
20+00			8 18	1518 53	℄ PVT	
BM F-1			5 372	1521 338	BM E-1 ELEV = 1521.338 FD. STD.	F.B. 3108-19
					BRASS CAP MON. UP 6" 1/2 MI. EAST OF RESERVOIR ON TUNA CYN. RD. 10 NORTH OF NORTH EDGE ROAD & NORTH OF LA. CO. F.D. CALIBAN TGLE. PALE #69-3	

76-L298 CE 307 3-61

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Profile No. ____ Notes Red. ____ Plotted ____ Job No. 225.4 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of Tuna Cyn Rd.
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by RC Bowers Notes RCB Date 12/63
Map No. ____ Date ____ Indexed C. J. GALLI Date ____

F.B. 3109-19 pg. 225

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. F-1				1521.338	B.M. F-1, El = 1521.338, F.B. 3108-19. A Std. Br. Cap Mon., Up 6", 1/2 Mi. E'ly of Reservoir on Tuna Cyn. Rd., 10' No. of No. Edge of Rd., S No. of L.A. Co. F.D. Call Box #69-3	
	0.662	1522.000				
21+00			10.09	1511.91	℄	
T.P.			12.142	1509.858		
	1.061	1510.919				
22+00			6.23	1504.69	℄	
T.P.			12.176	1498.743		
	1.143	1499.886				
23+00			2.39	1497.50	℄	
"			4.38	1495.51	15° Lt. - F.L. 24" C.I. Cul.	
23+28 S			11.78	1488.11	30° Rt. - F.L. 24" C.I. Cul.	
23+43 S			5.25	1494.64	℄ Edge Pavt.	
23+54 S			6.99	1493.40	℄ " "	
24+00			11.17	1488.72	℄	
T.P.			12.196	1487.690		
	1.054	1488.744				
25+00			10.34	1478.40	℄	
T.P.			12.276	1476.468		
	0.601	1477.069				
26+00			7.43	1469.64	℄	
P.O.S.T. #1115						
26+16.86			7.88	1469.19	P.O.S.T. #1115 Edge Pavt.	F.B. 3109-Z11

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		1477 069				
T.P.			12 207	1464 862		
	0 037	1464 899				
POST #2 115 27+13.04			2 87	1462 03	POST #2 115 Edge Pavt.	F.B. 3109-211
28+00			9 68	1455 22	℄	
T.B.M.			8 508	1456 391	T.B.M. El.=1456.395	F.B. 3109-20
				1456 395	Bt. spk & w in 14" Oak @ N. Edge of Rd	
	1 636	1458 031				
28+97			5 56	1452 47	℄ Edge Pavt	
29+17			6 38	1451 65	℄ " "	
29+51			16 23	1441 80	11° Lt. F.L. 36" G.I. Cul.	
29+67			19 44	1438 59	36° Rt. " " " "	
29+78			8 65	1449 38	℄ Edge Pavt.	
30+00=T.P.			9 672	1448 359	℄	
	0 172	1448 531				
31+00			5 74	1442 79	℄	
31+53			7 90	1440 63	℄ Edge Pavt.	
32+00=T.P.			11 310	1437 221	℄	
	0 098	1437 319				
33+00			4 51	1432 81	℄	
33+48			9 06	1428 26	13° Lt F.L. 18" C.I. Cul.	

F.B. 3109 PG. 226
Job No. 22154 Division No.
Survey of Tuna Cyn. Rd.
Survey by Bowers Notes RCB
Indexed C. I. GALLI Date
Notes Red Plotted Date
Notes Chkd. Checked Date
Profile No. X-Sec. No.

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
		1437 319				
33+63			14 02	1423 30	26' Rt F.L. 18" C.I. Cul.	
34+00			4 02	1433 30	℄	
T.P.			1 316	1436 08		
	9 050	1445 053				
34+74.5 Int.			7 11	1437 94	℄ Edge Pavt.	
36+67.94			5 40	1439 65	Sec. Line Int. = Edge Pavt	F.B 3109-215
TBM			3 784	1441 269	T.B.M. El. = 1441.254	F.B. 3108-21
					Bt. spk in P.P.# 1225757E, 17' West of edge	
	2 868	1444 122		1441 254	of Tuna Cyn. Rd @ Summit	
37+00 POT			5 36	1438 76	pav.	
37+73 72 TP			9 95	1434 17	fd. round head spk in pav. per FB 3109-215	
38+00	0 858	1433 078	11 902	1432 220	"	
39+00			10 88	1422 20	"	
T.P.	1 212	1422 185	12 105	1420 973		
39+95			7 74	1414 45	E. edg. pav.	
T.P.	0 622	1410 627	12 180	1410.005		
41+00			4 56	1406 07	pav.	
42+00			11 70	1398 93	"	
TP ◯ PM#120	0 430	1399 107	11 950	1398 677		
42+48.51			1 80	1397 31	fd 2" Tag on surface	per F.B. 3109-216

Profile Notes Red. Plotted Job No. 22514 Division No.
No. X-Sec. Date Date Survey of Tuna Cyn. Rd.
Notes Chkd. Checked Survey by Bowers Notes RCB Date 10/63
No. Date Date Map No. Indexed E. J. GALLI Date

F.B. 3109 PG. 227

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		1399.107				
42+93			7 74	1391 37	E. edg. pav.	
43+00			8 23	1390 88	(grounds	
43+15 44			11 00	1388 11	Flow line W. end 18" Cl Culvert	
43+19			11 46	1387 65	Flow line W. end 24" Corrigated Culver	
43+25.44			13 50	1385 61	Flow line E. end 18" Cl. Culvert	
TP	0025	1387 002	12 130	1386 977		
43+87.5			11 74	1375 26	Flow line 24" corrigated Culvert	
44+00			6 25	1380 75	pav.	
T.P	0191	1375 140	12 053	1374 949		
45+00			3 72	1371 42	pav.	
T.P.	0918	1363 951	12 107	1363 033		
PI# 121 46+04 18			2 21	1361 74	on pav surface	per F.B. 3109 - 217
47+00			10 91	1353 04		
T.P.	0 378	1352 141	12 188	1351 763		
48+00			6 69	1345 45	PAV.	
T.P.	0 110	1340 322	11 929	1340 212		
PI# 122 48+98.96			3 06	1337 26	ON PAV. SURFACE	PER F.B. 3109 - 218
50+00			11 45	1328 87		
PI# 123 50+09.77			12 10	1328 22	ON SPK. W & TIN	PER. F.B. 3109-219
50+24.38			13 34	1326 98	ON PAV. INTERSECTION & SECTION	TUNA CN RD LN. per FB 3109 - 21[illegible]

F.B. 3109 PG. 228

Job No. 221514 Division No. Notes Red Plotted Profile

Survey of TUNA CN RD. Date Date No. X-Sec.

Survey by BOWERS Notes CHM. Notes Chkd. Checked

Indexed C. J. GALLI Date Date No.

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
		1340.322				
T.B.M.			11 982	1328.340	TBM - ELEV = 1328.339 fd. bolt spk & W 10" up on P.P. 726815E at junktion TUNA CN. RD. & FERNWOOD PACIFIC DR. 4' south of South edg. Traveled rd. per F.B. 3108 - 22	

Profile Notes Red____ Plotted____ Job No. 22454 Division No.____
No.____ Date____ Date____ Survey of TUNA CN RD.
X-Sec. Notes Chkd.____ Checked____ Survey by BOWERS Notes GULFAX Date 10-28-63
No.____ Date____ Date____ Map No.____ Indexed E. J. GAU Date____

Notes Ck'd by	Survey of Bainum & Grand View
Map No.	JN 2215/14 Tape 145 Std B4 °F
Office Work	Surveyed by R.C. Bowers
Checked	Notes RCB Date Oct 63
Date	Indexed E. J. GALLI NOV 7 '63

F. B. 3109 Pg. 231

CENTER LINE SURVEY
of
BAINUM DR. & GRAND VIEW DR.

Bainum Dr. from Fernwood Pacific Dr To Grand View Dr., and Grand View Dr. from Bainum Dr. to the first alley East of Bainum Dr.

J.N. 2215.14

Oct. 1963

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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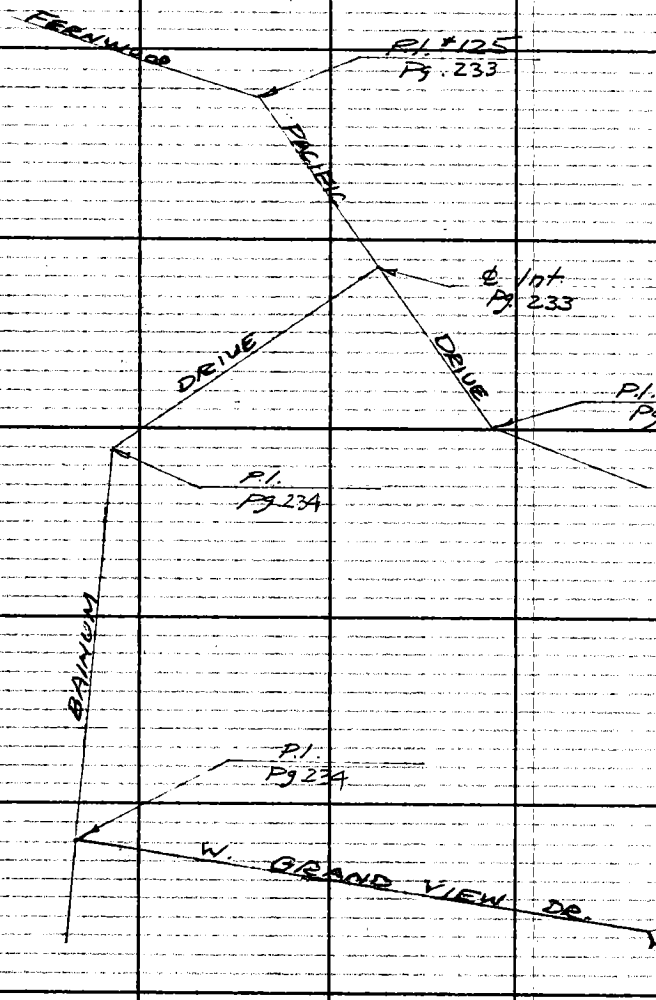
Ref.	Party
F.B. 3108	Bowers
F.B. 3109	Morrison
C.S.B 1631-1	Gilfoy
	Duerbeck

7GF3095 CE # 310 [3-61]

F. B. 3109 PG. 232

INDEX



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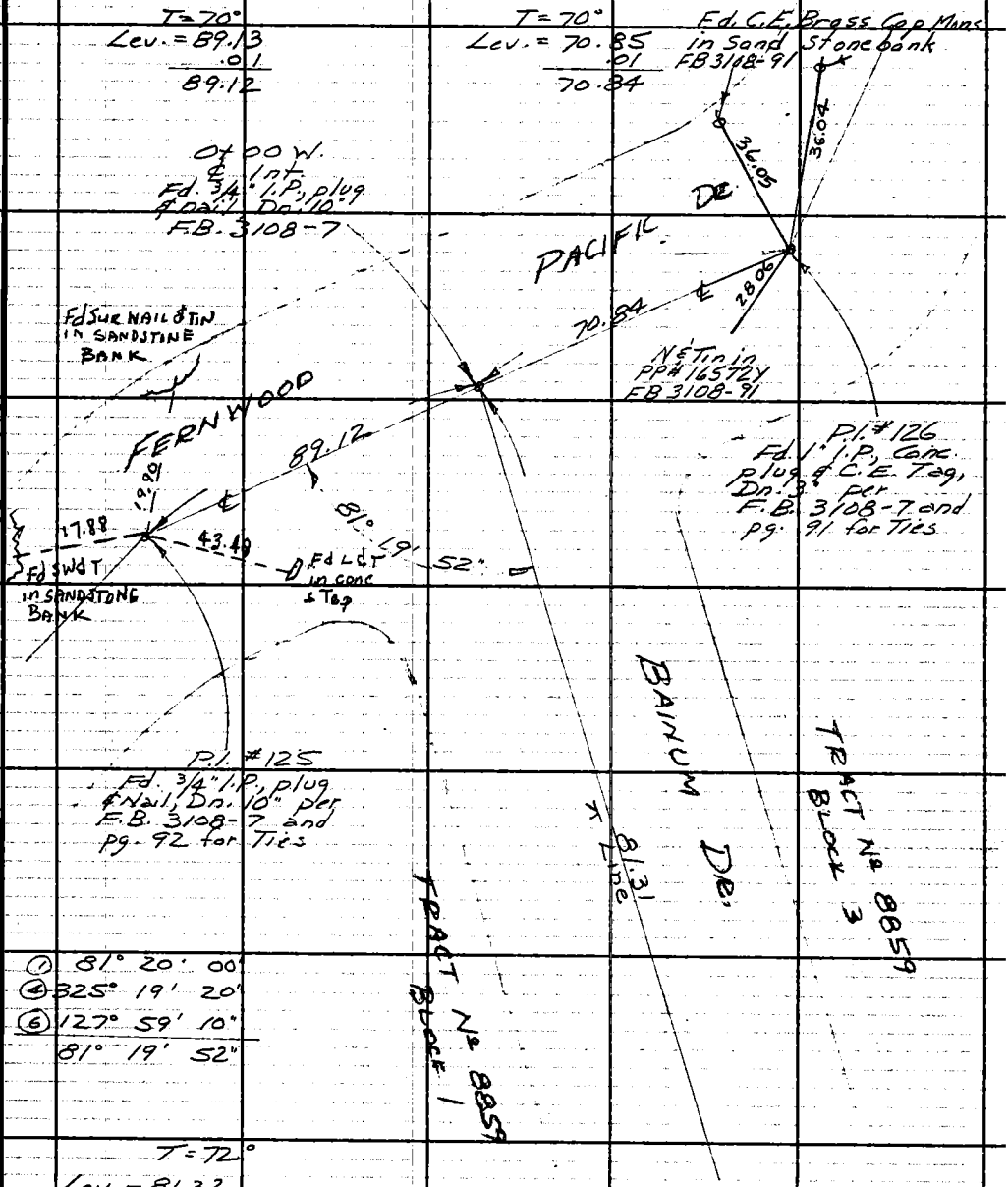
Notes Ck'd by	Survey of BAINUM DR.	F. B. 3109 PG. 233
Map No.	JN 2215.14 Tape 145 Std 84 °F	
Office Work	Surveyed by RC Bowers	
Checked	Notes RCB Date 10/63	
Date	Indexed C. J. GALLI	



① 81° 20' 00"
④ 325° 19' 20"
⑥ 127° 59' 10"
81° 19' 52"

T=72°
Lev.=81.32
.01
81.31

Cont Top Pg 234

W.S. 89 C-3

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

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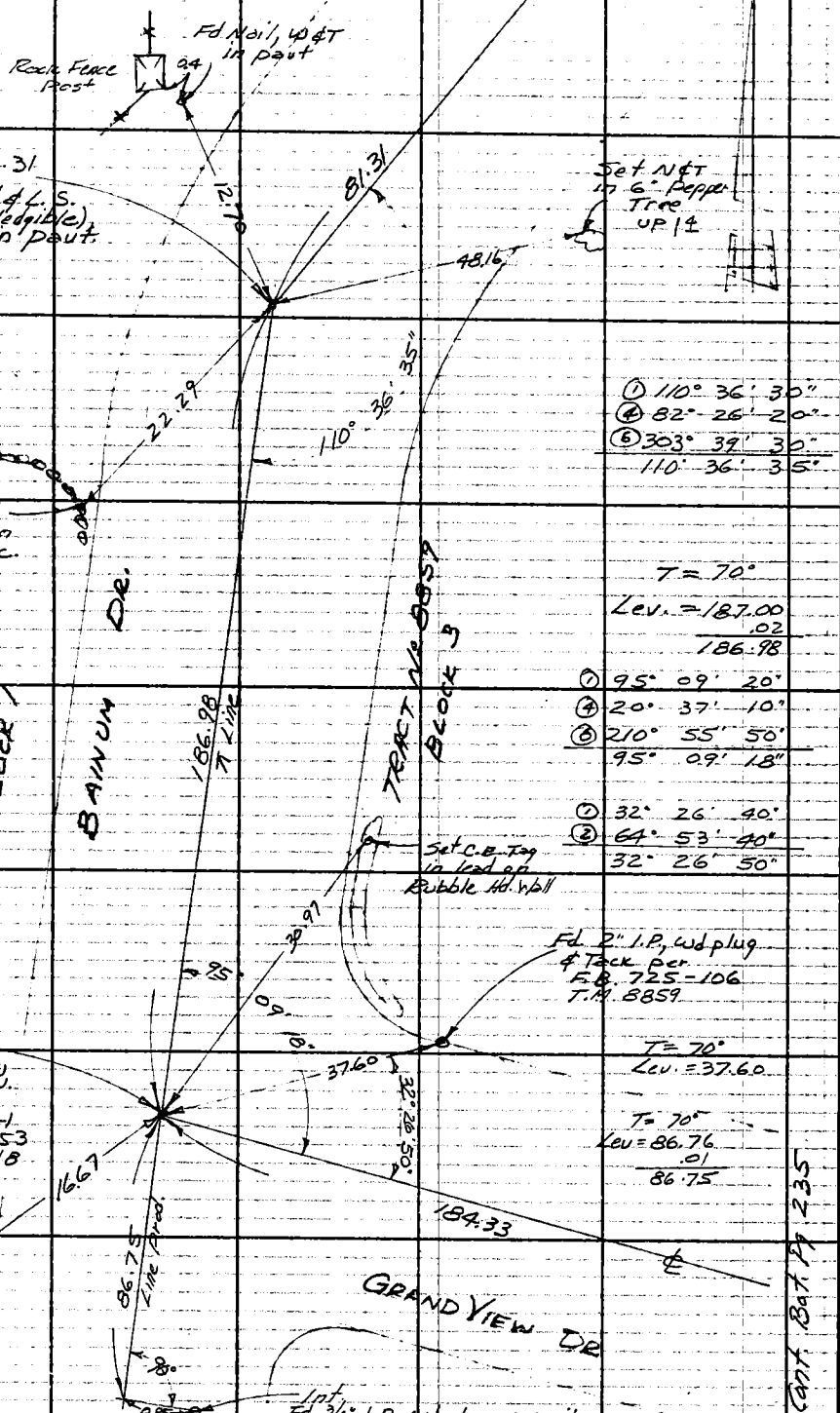
7 6F309S CE # 310 (3-61)

F.B. 3109 PG. 234

Cont. from Bot. Pg 233



① 110° 36' 30"
④ 82° 26' 20"
⑤ 303° 39' 30"
110° 36' 35"

T = 70°
Lev. = 187.00
.02
186.98

① 95° 09' 20"
④ 20° 37' 10"
⑤ 210° 55' 50"
95° 09' 18"

① 32° 26' 40"
② 64° 53' 40"
32° 26' 50"

T = 70°
Lev. = 37.60

T = 70°
Lev = 86.76
.01
86.75

R.S. Bk 4-3

LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

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Notes Ck'd by	Survey of GRAND VIEW DR.	F. B. 3109 PG. 235
Map No.	JN 2215.14 Tape 145 Std 84 °F	
Office Work	Surveyed by RC Bowers	
Checked	Notes RCB Date 10/63	
Date	Indexed C. J. GALLI	

NOTE:
To P.I. per
F.B. 3109-7
F.B. 725-55
F.B. 826-116
CSB 1631-1

P.O.T.
Fd. Cut spk & W.
on rock out crop
F.B. 826-116

6+48.11
Int.
Fd 3/4" I.P., wd. plug & N
flush per F.B. 725-106
CSB 1631-1
F.B. 3109-15

ALLEY

①	145°	03'	30"
④	220°	13'	50"
⑥	150°	20'	40"
	145°	03'	27"

6+45.52
P.I.
Fd. 3/4" I.P., wd. plug & N.
flush per
F.B. 725-106
F.B. 826-118
F.B. 3109-15 for Ties
CSB 1631-1

Fd L & CE Tag in rock

T=64°
193.43 @ 4°06' = 192.93
.03
192.90

TRACT No 8859
BLOCK 3

TRACT No 8859
BLOCK 8

4+52.62
P.O.T.
Set 1x2 & N, flush
@ edge of Pavt.

T=64°
185.89 @ 7°23' = 184.35
.02
184.33

GRAND VIEW DR.

Cont. from Bot. Rt. Pg. 234

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
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403 LOS ANGELES COUNTY ENGINEERING BLDG.
W.S. 89 C-3
76F309S CE # 310 3-61

Notes Ck'd by	Survey of BAINUM & GRANDVIEW
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by EC Bowers
Checked	Notes ECB Date 11/63
Date	Indexed E. J. GALLI NOV 7 '63

F. B. 3109 PG. 237

LOCATION OF IMPROVEMENTS

ON

BAINUM DR. & GRANDVIEW DR.

Bainum Dr. from Fernwood Pacific Dr. to Grand View Dr. and Grand View Dr from Bainum Dr. to the first Alley East of Bainum Dr.

J.N. 2215.14

Oct. 1963

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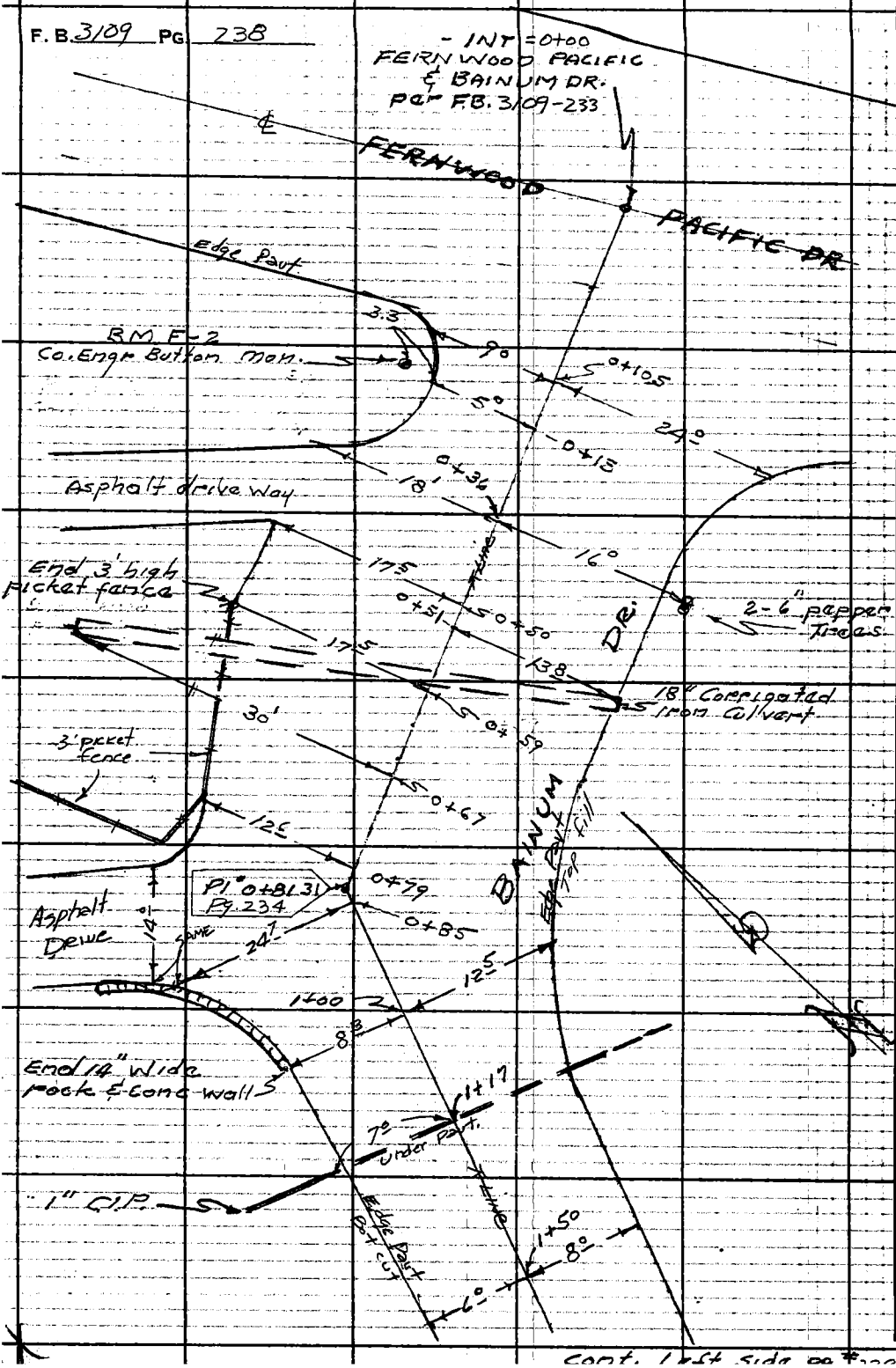
Ref.	Party
F.B. 3109, 233 to 235	Bowers Morrison Gilfoy Duerbeck

7-SF3095 CE # 310 3-61

F. B. 3109 PG. 238



cont. left side of #238

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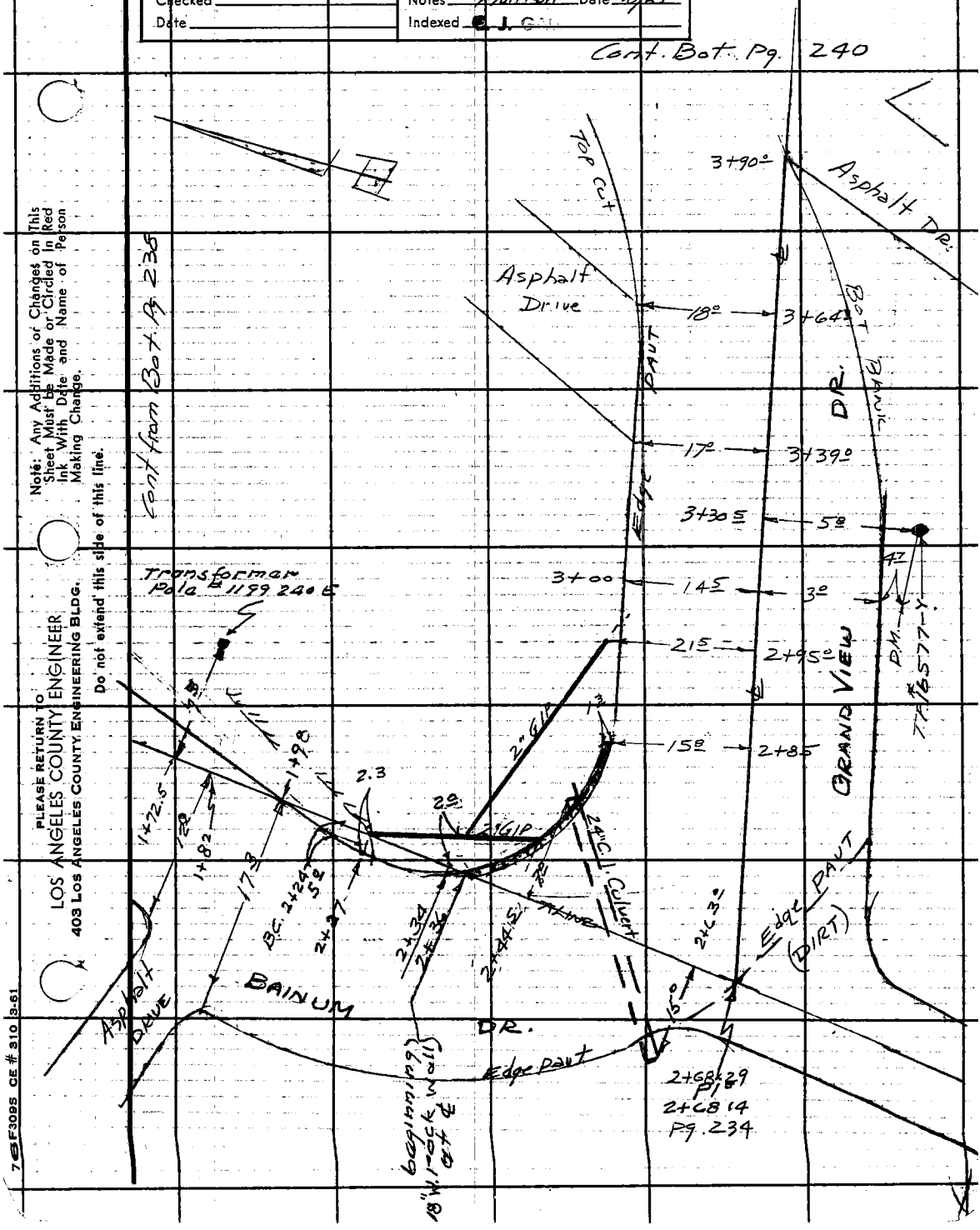
Notes Ck'd by	Survey of BAINUM & Grand View
Map No.	JN 2215.14 Tape Std °F
Office Work	Surveyed by R.C. Bowers
Checked	Notes Morrison Date 10/63
Date	Indexed E.J. G...

F. B. 3109 PG. 239



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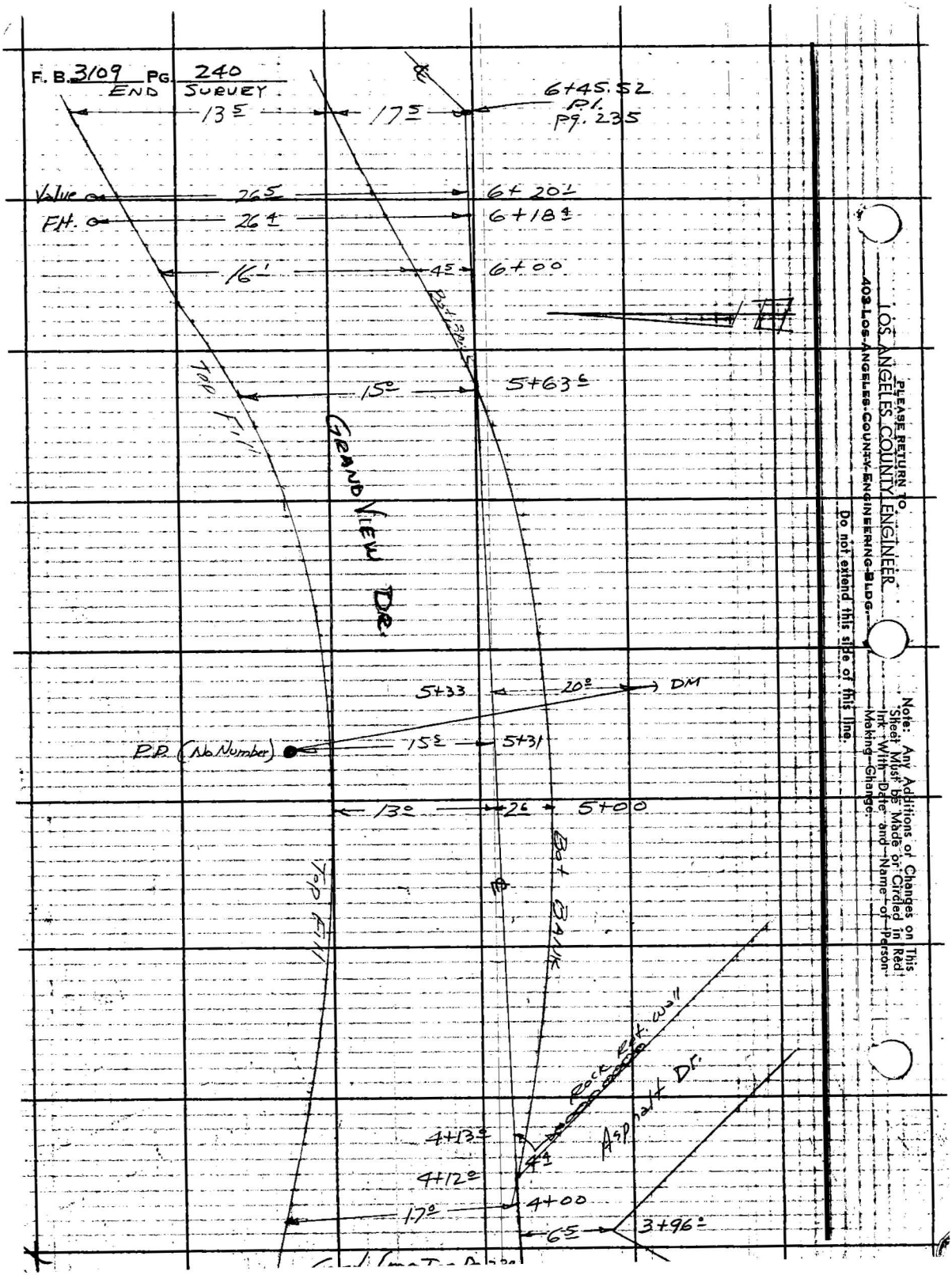
7 6F3095 CE # 310 3-61



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Profile No. | Notes Red Date | Plotted Date | Job No. 2215.14 Division No. 1 7641
X-Sec. No. | Notes Chkd. Date | Checked Date | Survey of BAINUM DR. & GRAND VIEW DR.
Survey by RC Bowers Notes RCB Date 10/63
Map No. Indexed R. J. GALLI Date NOV 7 '63

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PROFILE
of
BAINUM DR. & GRAND VIEW DR.

Bainum Dr. from Fernwood Pacific Dr. to Grand View Dr., and Grand View Dr. from Bainum Dr. to the first alley East of Bainum Dr.

J.N. 2215.14

Oct. 1963

STATION	B.S.	H.I.	F.S.	ELEV.
REF.			F.B. 3108-23 F.B. 3109-28 F.B. 3109-233 to 240	

PARTY
BOWERS
MORRISON
GILFOY
DUERBECK

7-65-L298 CE 307 3-61

76-L298 CE 307 3-61

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F.B. 3109 PG. 242 | Job No. 2215/4 Division No. | Notes Red | Plotted | Profile
Survey of Balnum Dr. & Grand View Dr. | Date | Date | No.
Survey by Bowers | Notes Chkd. | Checked | X-Sec.
Indexed E. J. GALLI | Notes Morrison | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.	
BM F-2	1.978	1286.519		1284.541	B.M. F-2 Elev. 1284.541 F.B. 3108-23 Brass Cap mon. 0.3' at INT. Farnwood Pacific & Balnum Dr. on N.W. Cor. Middle of Curve
0+00			2.35	1284.17	(INT. Farnwood Pacific Dr & Balnum Dr)
0+10			1.98	84.54	S edg pav (Farnwood)
0+50			7.33	79.19	pav.
0+51	(NOTE: for Ctr. Pavt. on Cul. see Pg. 244)		11.84	74.68	Flowline E end 18" corrigated culvert.
0+59 P.I. TP			6.35	80.17	Flow line W " " " "
0+81.31	2.283	1283.499	5.303	1281.216	Surveyors nail in pav.
1+00			1.68	81.82	℄ pav
1+50			1.39	82.11	℄ "
1+98			5.96	77.54	℄ & edg pav.
2+22			7.07	76.43	Top brk N side drain
2+27			9.07	74.43	Top 2" G.I.P. (23 Lt.)
2+33			12.00	70.84	℄ bot. drain
2+1347			8.39	75.11	Top rock wall
"			10.41	73.09	Top 2" G.I.P. (2± Lt.)
2+44.5			14.10	69.40	Fl. line NE. end 24" Culvert (7± Lt)
2+50	(NOTE: For Ctr. Pavt over Cul. see Pg. 244)		8.14	75.36	℄ pav
2+63 P.I.			12.58	70.92	Fl. line SW end 24" Culvert (15± Rt)
2+68.14			7.82	75.68	P.I. = 3/4" IP 6" dn
2+94.5			8.15	1275.35	Top 2" GIP (21± Lt)

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
		1283499				
3+00			5 72	1277 78	℄ pav.	
T.P.	11 593	1294 967	0 125	1283 374		
4+00			0 52	1294 45	℄ pav.	
T.P.	11414	1306 331	0 050	1294 917		
4+50			7 65	1298 68	℄ S edg pav.	
5+00			5 02	1301 31	℄ pav.	
5+50			2 76	1303 57	℄ "	
6+00			1 82	1304 51	12.5' Lt center	pav.
PI 6+45.52			1 81	1304 52	24' Lt "	" from PI.
T.P	2362	1305 806	2 887	1303 444		
T.P.	0370	1293 949	12 227	1293 579		
T.P	0023	1281 992	11 980	1281 969		
T.P.	3 115	1273 700	11 407	1270 585		
TBM PI #1			6 512	1267 188	TBM PI #1 ELV = 1267.19 3/4" IP wood plug & nail	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2215.14 Division No. ____ 3109 243
Date ____ Date ____ Survey of Balsam Dr. & Grandview Dr.
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RC Bowers Notes Morrison Date 10/63
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	2+53 3	28 Rt
BM F-2	2 06	1286 601		1284 541	BM F-2 Elev. 1284.541 F.B. 3108-23 Br. Cap. Mon. up 3" @ Int. of Fernwood Pacific & Bainum Dr. on N.W. Cor. Mid. of Curve.	
0+58 7	Spot Check Elev		7 06	1279 54	6 Rt. Ctr. Pavt. over Cul. (18" C.I. Cul)	
2+53 3	as requested by letter # 3689		11 08	1275 52	28 Rt. Ctr Pavt. over 24" C.I. Cul.	
BM F-2			2 06	1284 54	B.M. F-2 Elev. 1284.54 F.B. 3108-23 (Starting B.M.)	

Job No. 22154 Division No. Notes Red Plotted Date Date Notes Chkd. Checked Date Date Date Date

Bainum Dr. Notes 2C9 J. GALLI

PG. 244

PG. 243