Notes Ck'd by	Survey of	F.B. 2341 Pg.
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

Page	Job	Description
		AMARILLO BEACH LAND MOVEMENT 0036.02
[illegible]	Loc. Imp	Loc. & ties to Test Hole M 1 and M2.
[illegible]2	Ties	To control line for slide study.
[illegible]5	Ties	To control line for slide study.
		PUERCO CYN. SLIDE AREA 0021.08
[illegible]2	Ties	To control lines A,B, & C for slide study.
[illegible]73	B.M.	Levels on control lines A,B, & C. 3-7-62.
[illegible]80	B.M.	Control & levels of line "D" N. of Malibu Rd. and West of Private St.
		ESCONDIDO BEACH LANDSLIDE-0021.82
[illegible]07	Ties	Ties to control line for slide study
[illegible]10	B.M.	Descrip. of B.M. "E.B. #2".
[illegible]16	Cont.	Control line & tie to L.A. Co. cont. system traverse line.
[illegible]21	B.M.	Levels on above control line. 3-5-62
		LATIGO SHORE LANDSLIDE AREA 0038.47
[illegible]54	Prof.	Profile check of aerial map-Test profile Line #1.
[illegible]58	Prof.	Profile check-test profile line #2.
[illegible]61	Prof.	Profile check-test profile line #3.

Microfilmed May '85

(cont'd on next page)

F.B. 2341 Pg.

Page	Job	Description
		PUERCO CYN LANDSLIDE AREA 0021.08
163-194	Cont.	Horizontal comparison sheets for control line.
		ESCONDIDO BEACH LANDSLIDE AREA 0021.82
195-215	Cont.	Horizontal comparison sheets over Lines "B" & "C".
		PUERCO CANYON LANDSLIDE AREA 0021.08
221-227	B.M.	Re-run of levels over lines A,B, & C 7-6-62.
		ESCONDIDO BEACH LANDSLIDE AREA 0021.82
229-230	B.M.	Re-run of levels over control lines A, B, C 7-10-62.
231-232	B.M.	Re-run of levels over control line A, B, C 9-18-62
		PUERCO CYN LANDSLIDE AREA 0021.08
233-238	B.M.	Re-run of levels over lines A,B, and C 9-18-62.
245-246	Levels	Re-run over control lines A, B, &C
247-252	Levels	Re-run of levels over lines A,B, C, & D. 6-25-63.
		WEST ESCONDIDO BEACH LANDSLIDE J.N. 0021.82
253-254	Level	Re-run of levels over lines A,B,C, 6-26-63.
		PUERCO CYN LANDSLIDE AREA-0021.08
255-259	Levels	Re-run of levels over lines A,B,C & D 9-23-63.

(cont'd on next page)

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
Do not detach this slip or the Tag.
Note: Any Alteration or Changes on this Sheet Must be Made in Red Ink With Date and Name of Person Making Change

Notes Ck'd by	Survey of	F.B. 2341 Pg.
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

Page	Job	Description
		WEST ESCONDIDO BEACH LANDSLIDE J.N. 0021.82
261-262	Levels	Re-run of levels over lines A,B, & C 9-24-63.

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.

76P3098 CE #310 3-66

Notes Ck'd by Goss	Survey of Location of Test Holes
Map No.	W. O. 0036.02 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M.A. Van Deren
Checked	Notes Van Date 12-23-57
Date	Indexed J. C. Johnson 12-30-57

F.B. 2341 Pg. 5

J.N. 0036.02

LOCATION OF TEST HOLES # M-1 & M-2

IN

MALIBU COLONY AREA

12-23-57
Van Deren
Anderson
Turrill
Nunez

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

Do not extend notes this side of this line.

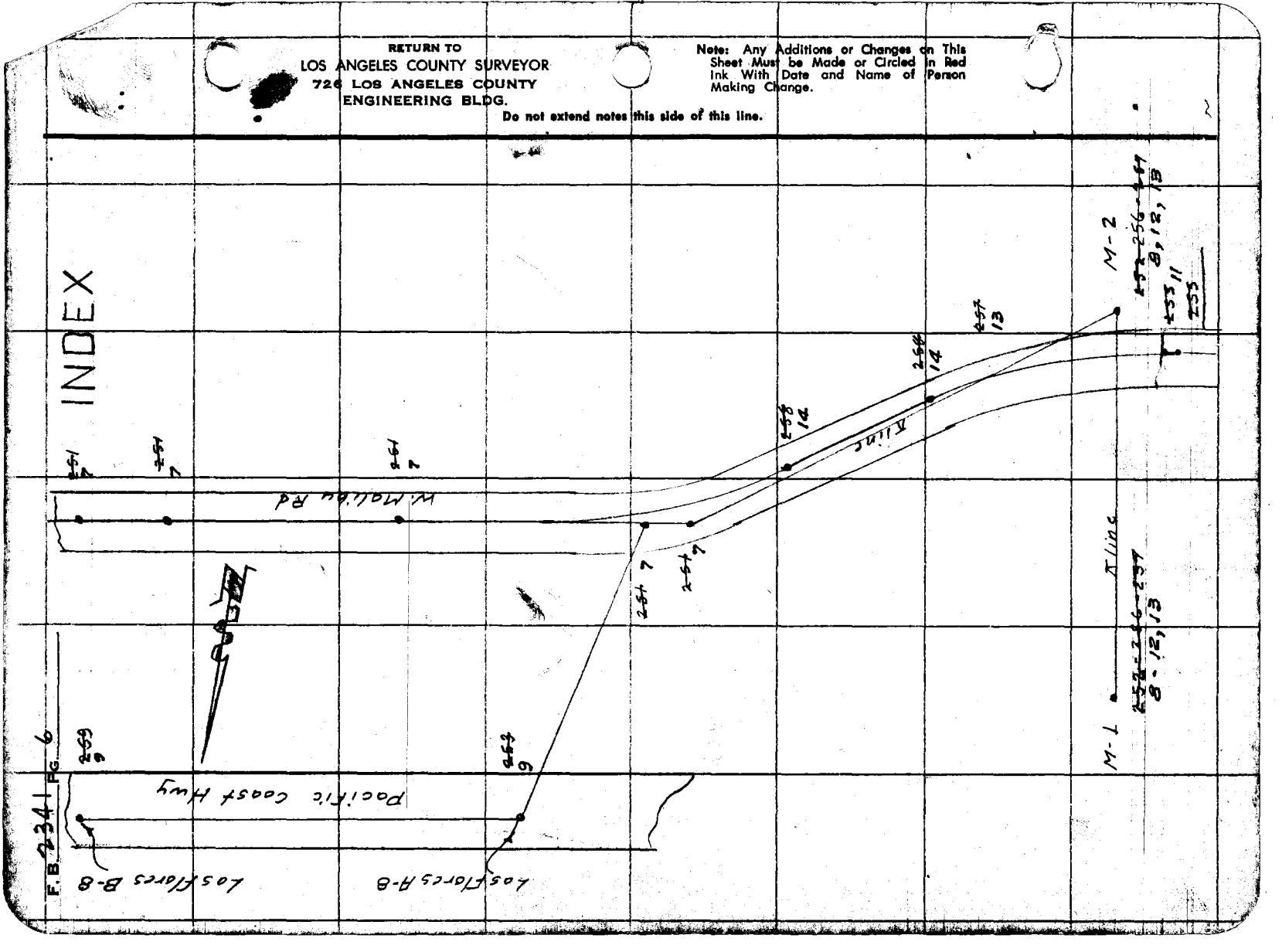
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3009 S&E #247. 8-54

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

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

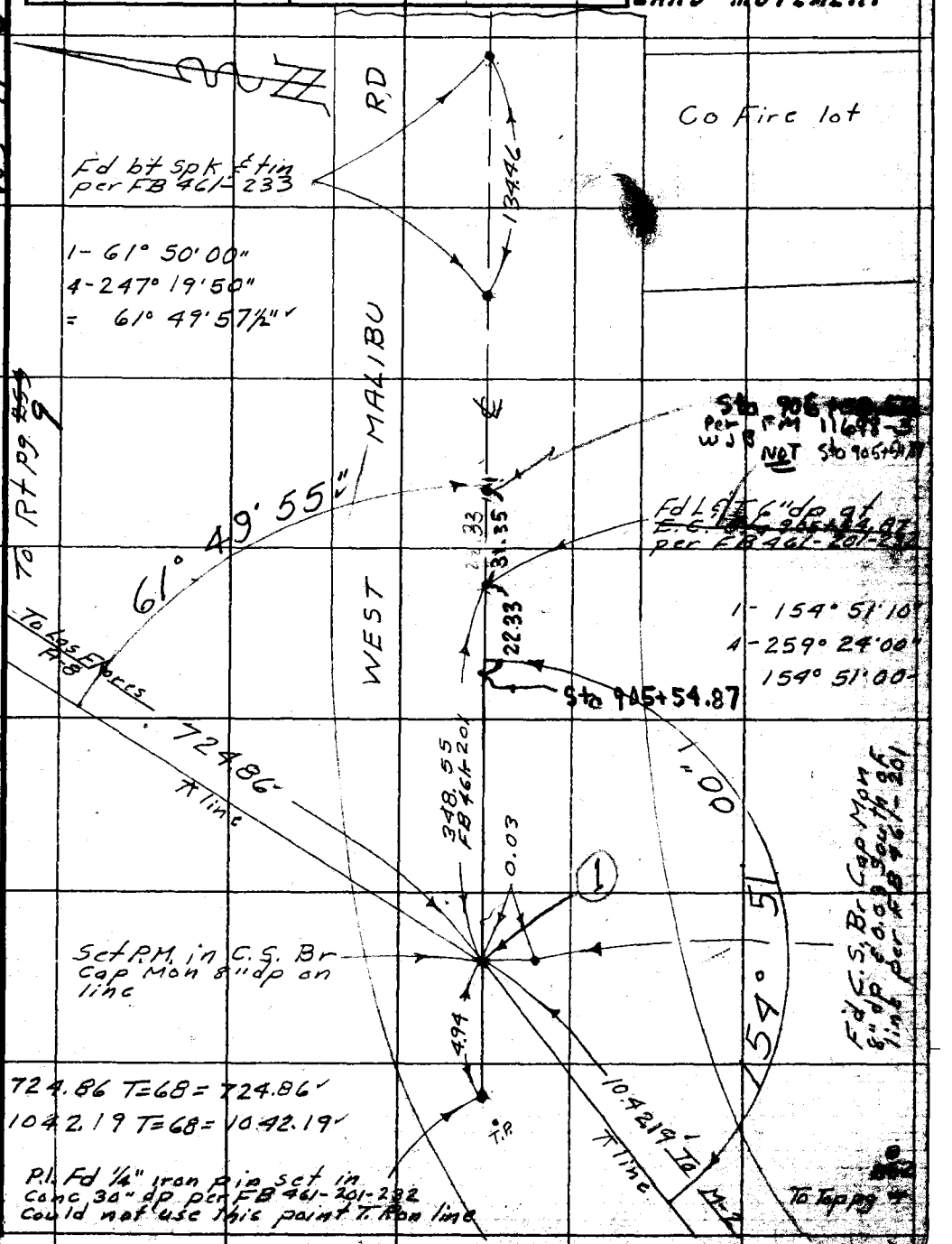
Do not extend notes this side of this line.



Notes Ck'd by Goss	Survey of Location of Test Holes	F.B. 2341 Pg. 7
Map No.	W. O. 0036.02 Tape No. 0161 St'd. 68 °F	
Office Work	Surveyed by M.A. Van Deren	
Checked	Notes Van Date 12-23-57	
Date	Indexed C. Johnson	

AMARILLO BCH. LAND MOVEMENT

WS 71-C-3



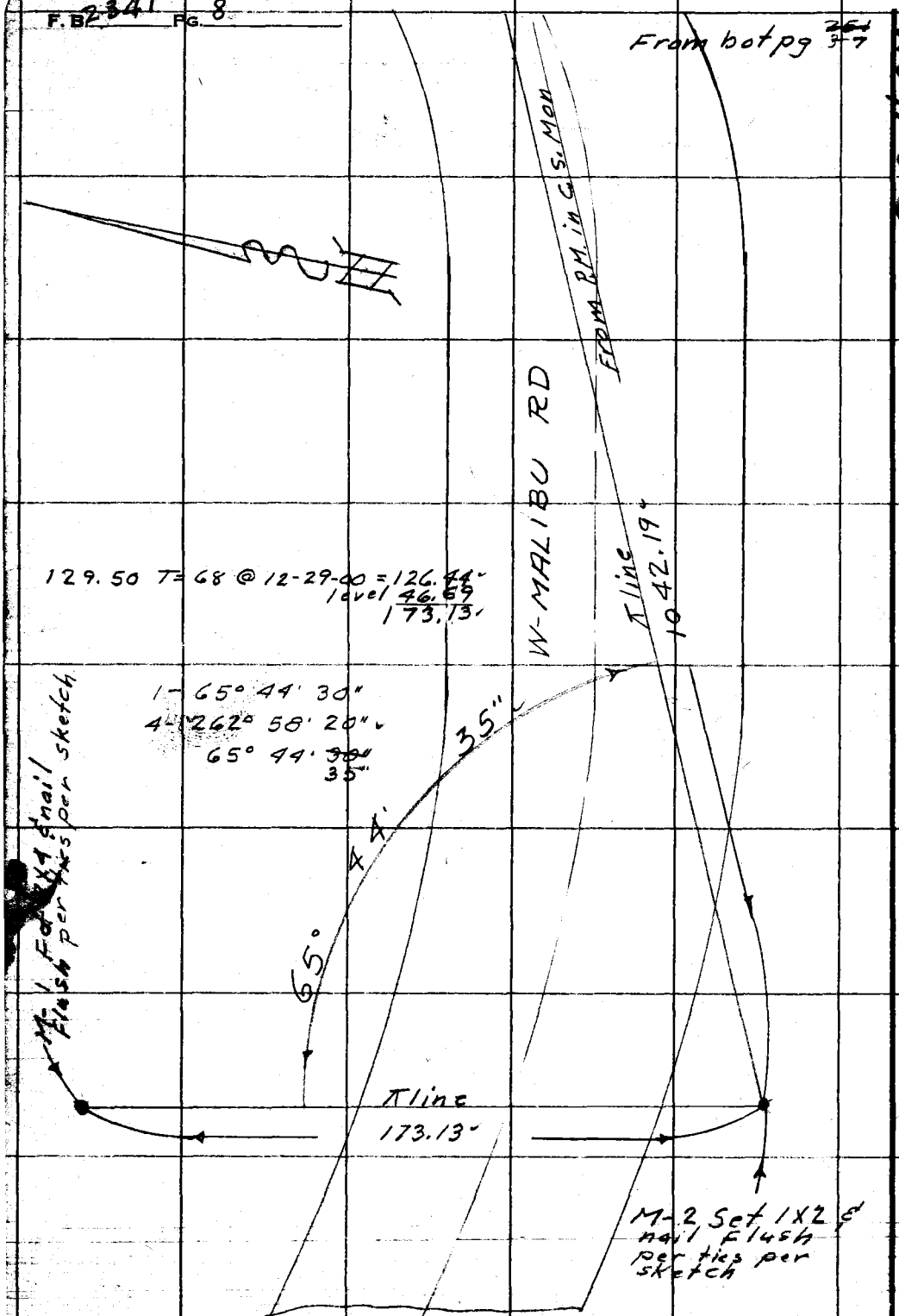
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

76F3095 S&E #247. 8-54

F.B. 2341 PG. 8



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

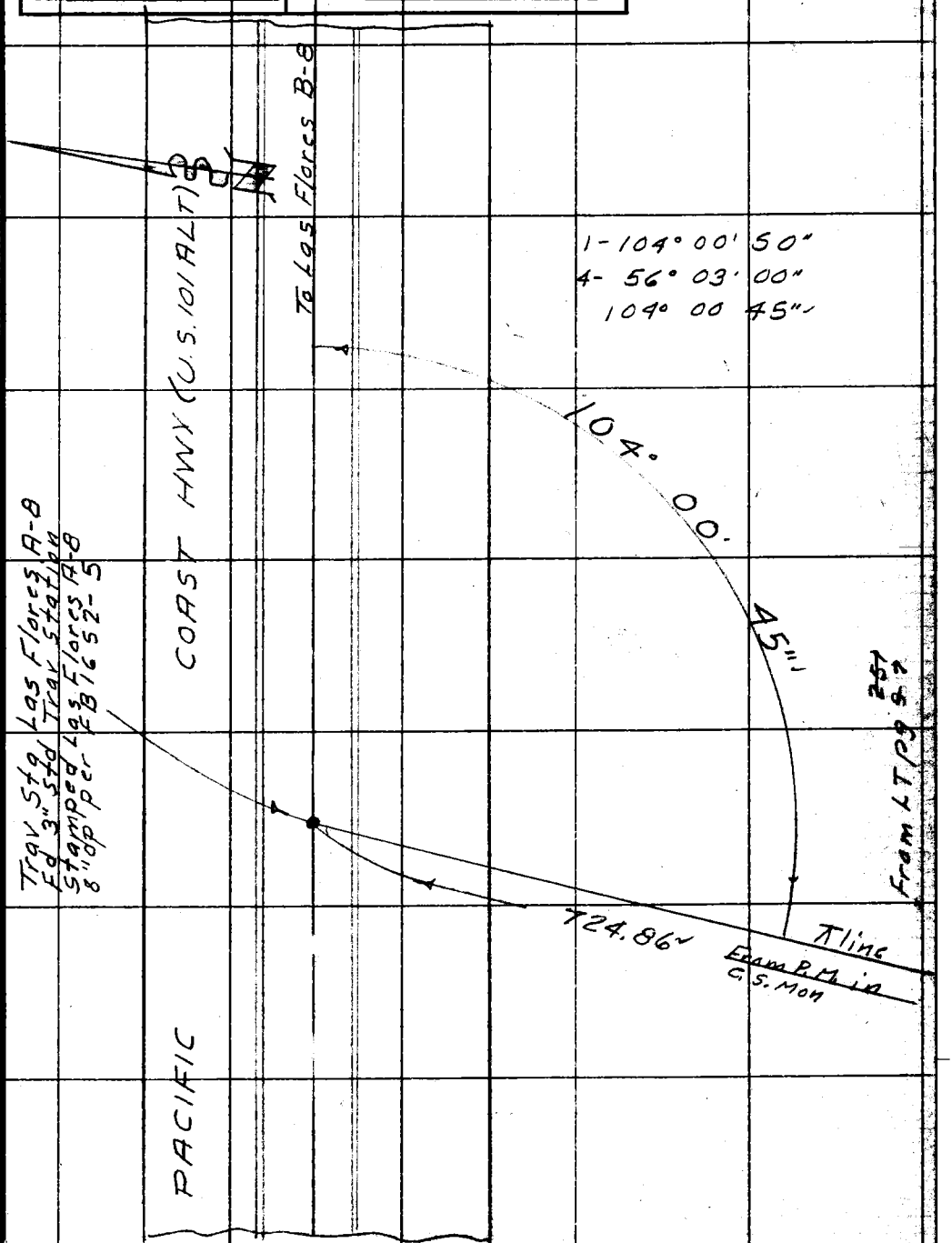
Do not extend notes this side of this line.

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

WS 91-C-3

Notes Ck'd by Goss	Survey of Location of Test Holes
Map No.	W. O. 0036.02 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes Van Date 12-23-57
Date	Indexed C. Johnson

F. B. 2341 Pg. 9



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

Do not extend notes this side of this line.

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

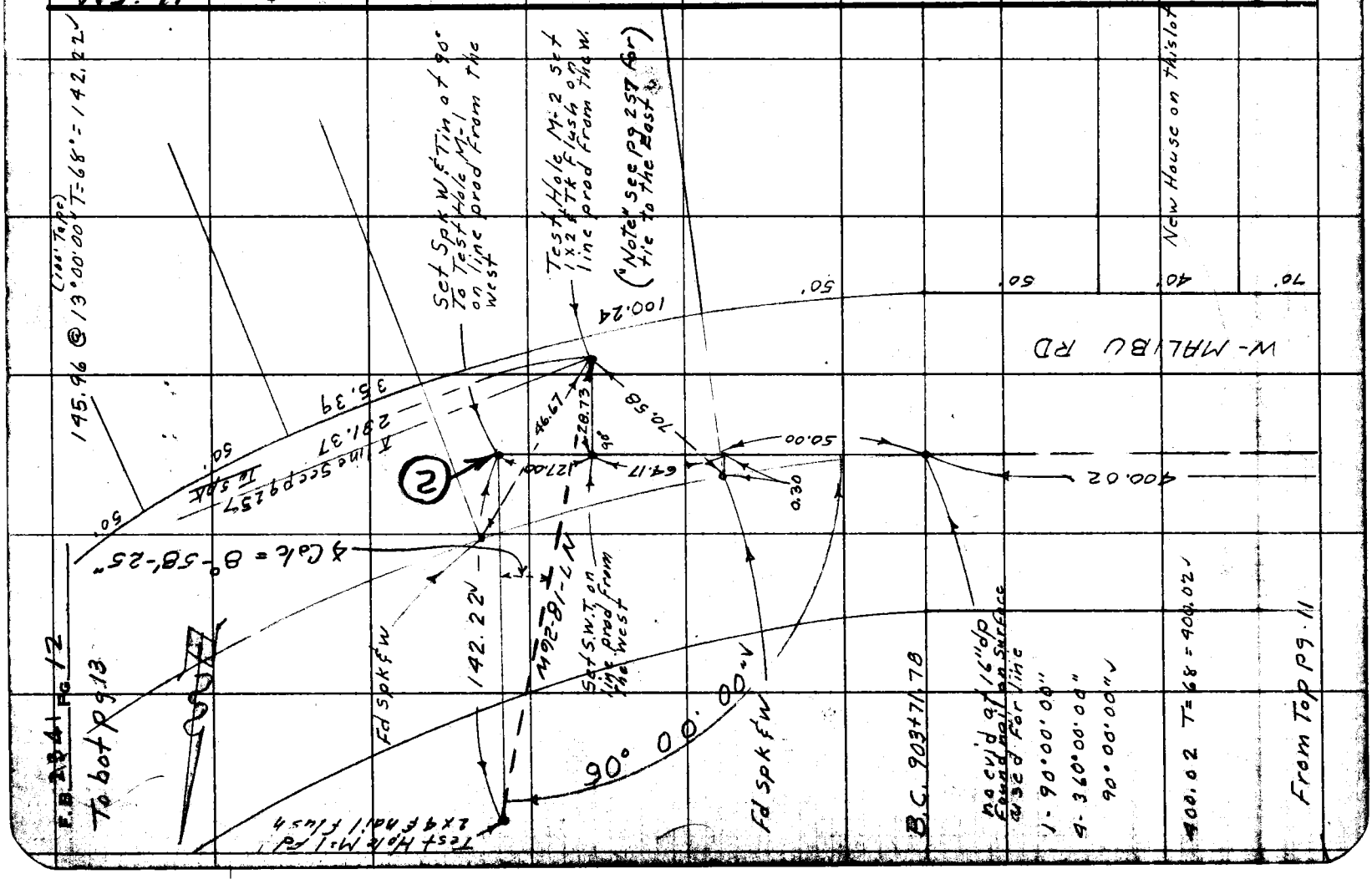
76F309S S&E #247. 8-54

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

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

Do not extend notes this side of this line.

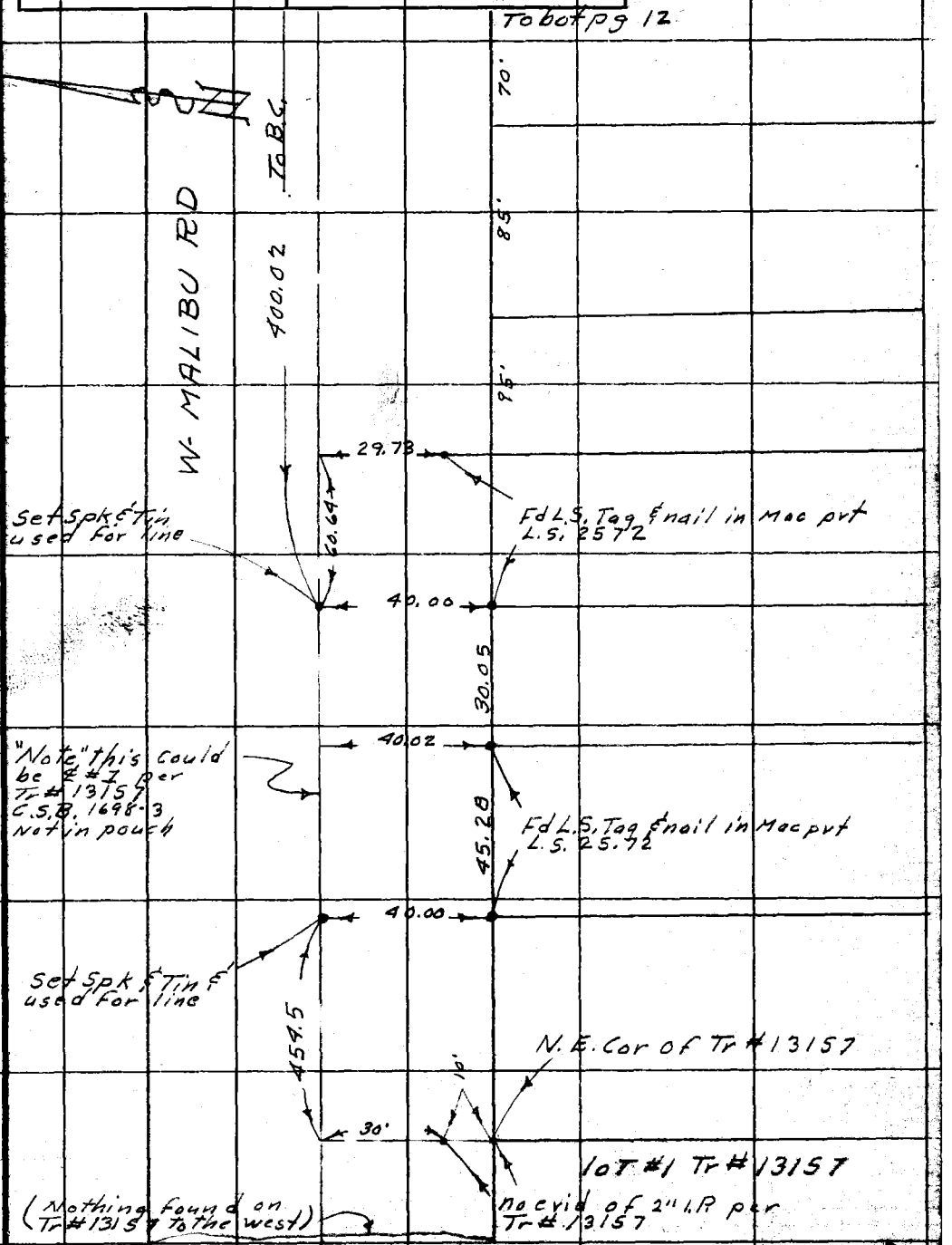
Ws. 91-C-3



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

Survey of Location of test Holes
W. O. 0036.02 Tape No. 0161 St'd. 68 °F
Surveyed by M. A. Van Deren
Notes Van Date 1-3-58
Indexed R. C. Johnson

F. B. 2341 PG. 11



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

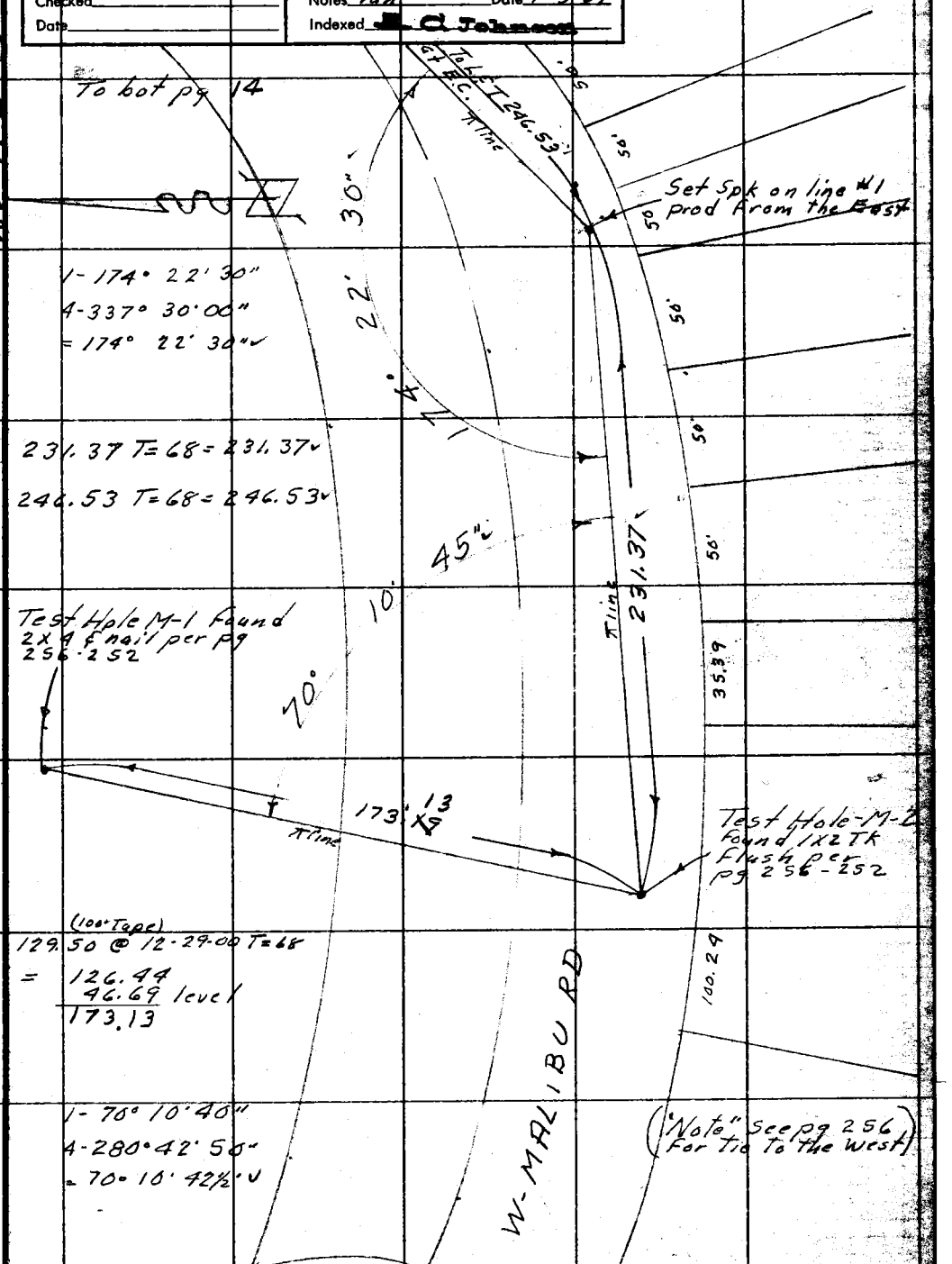
Do not extend notes this side of this line.

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

76F309S S&E #247. 8-54

Notes Ck'd by Goss	Survey of location of Test holes
Map No.	W. O. 0036.02 Tape No. 0161 St'd. 68 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes Van Date 1-3-57
Date	Indexed [illegible] C. Johnson

F. B. 2341 PG. 13



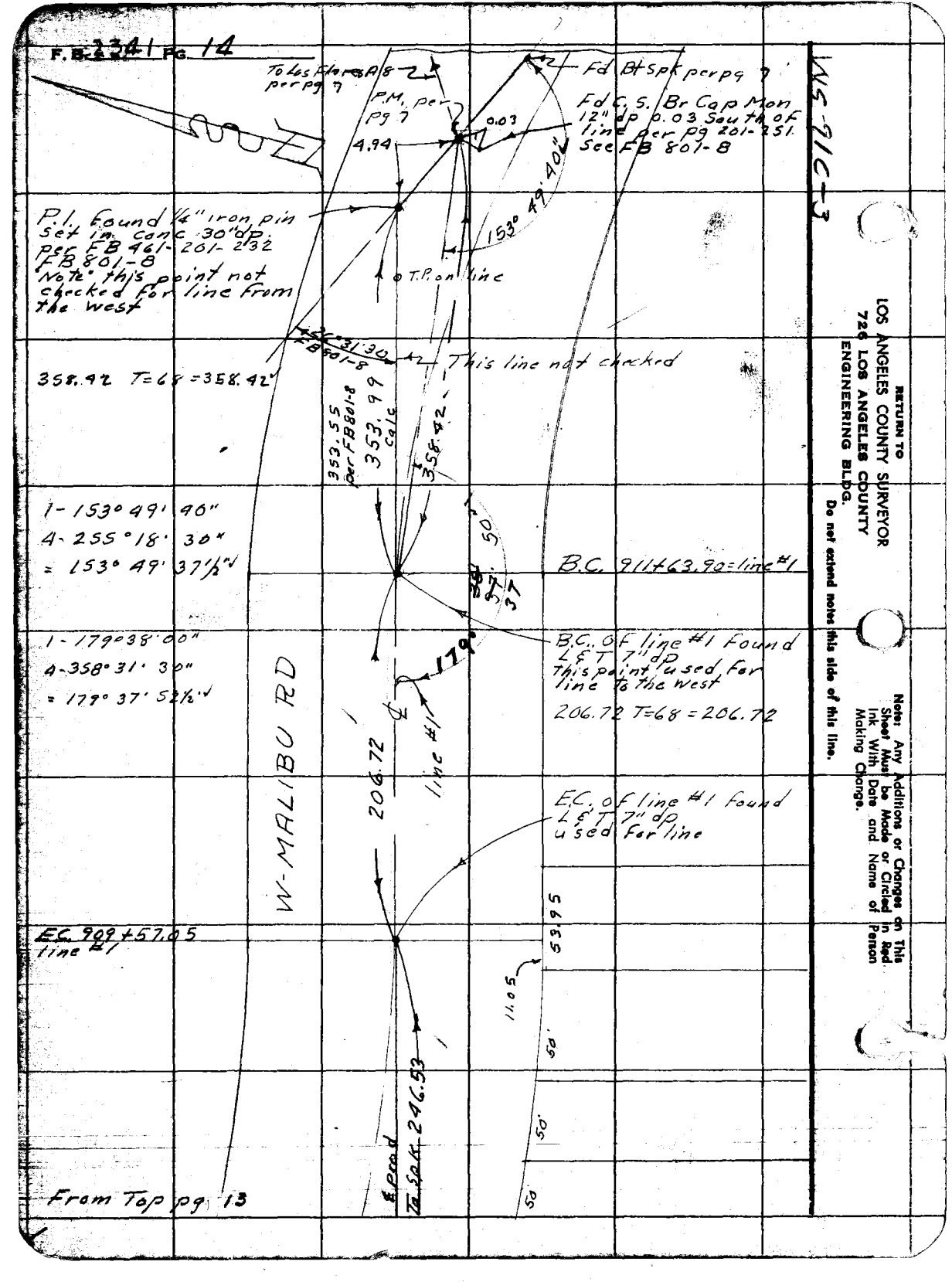
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

76F309S S&E #247. 64

F.B. 2241 Pg. 14



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
Do not extend notes this side of this line.

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

Notes Ck'd by J. F. McMILLAN	Survey of Amarillo Beach Landslide	F. B. 2341 Pg. 15
Map No.	W. O. 0021-81 Tape No. 140 St'd. 84 °F	
Office Work	Surveyed by M. Van Deren	
Checked	Notes Van Date 4-2-58	
Date	Indexed C. Johnson 4-10-58	

J.N. 0021-81

AMARILLO BEACH LANDSLIDE
IN
MALIBU BEACH COLONY AREA

4-2-58
Van Deren
Anderson
Bazen
Tarrill

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

Do not extend notes this side of this line.

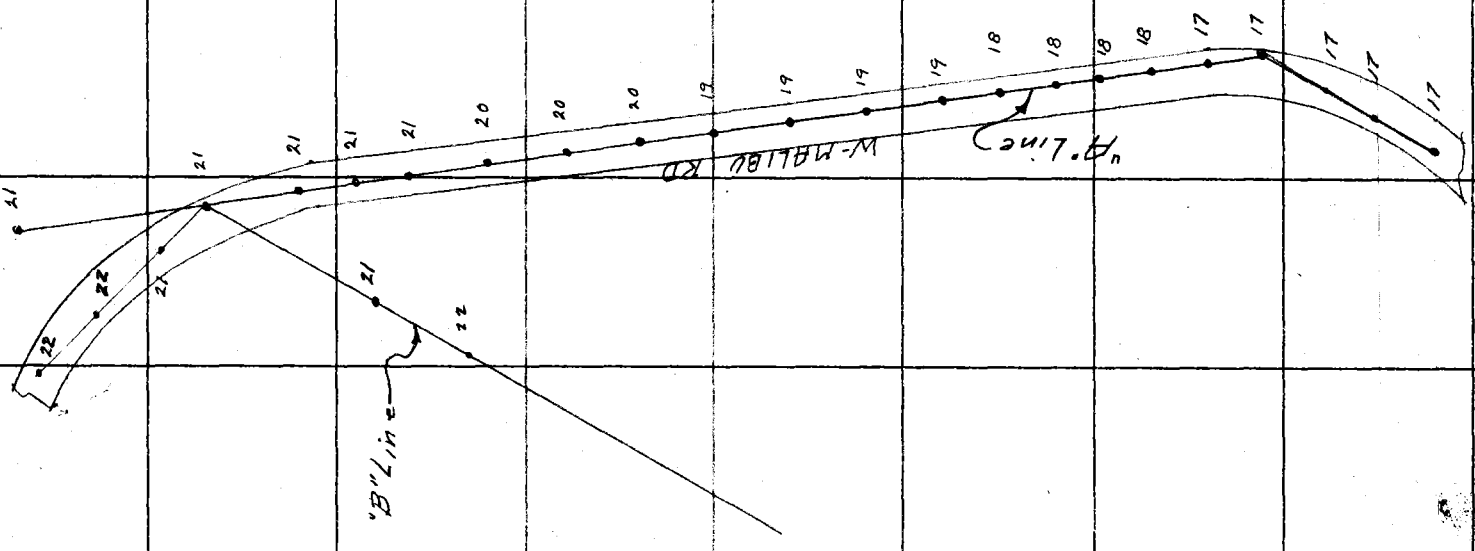
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3088 SSE #247, 8-54

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

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

Do not extend notes this side of this line.



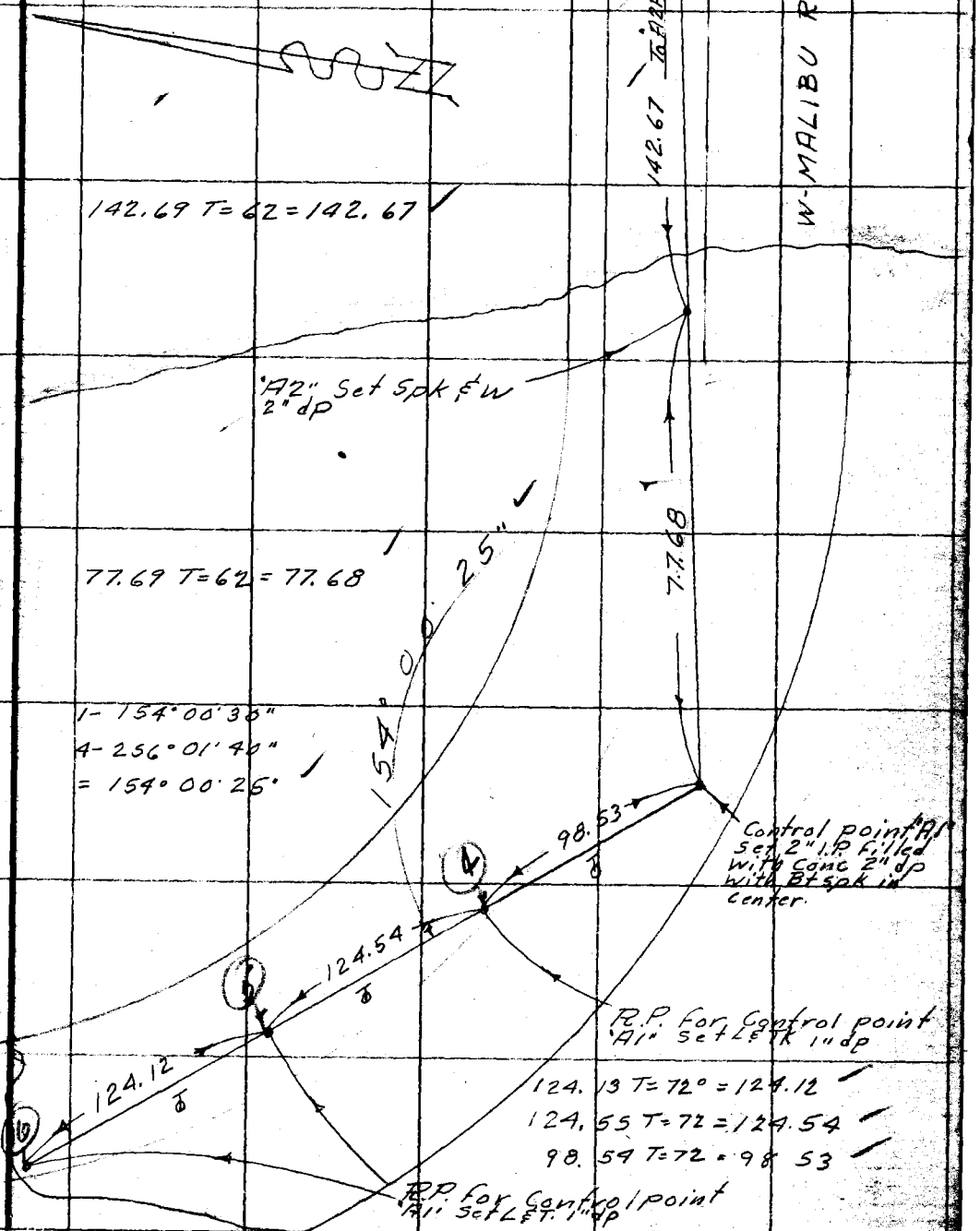
F.B. 2341 Pg. 16

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

Survey of Amarillo Beach Landslide
W. O. 2021.8 Tape No. 140 St'd. 84 °F
Surveyed by M. A. Van Dercn
Notes Van Date 4-3-56
Indexed C. Johnson

F. B. 2341 Pg. 17

To bot pg 18



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

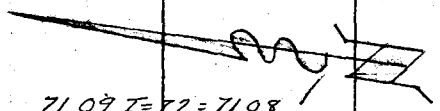
Do not extend notes this side of this line.

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

78F3098 S&E #249. 8-54

F.B. 2341 PG. 18

To bot pg 19



71.09 T=72=71.08

71.08 To "A5"

"AAA" Set 3/4" I.P. conc plug & Tk 1" dp

82.84

82.85 T=72=82.84

"A4" set ⊥ & T 1" dp

381.62

381.65 T=72°=381.62

"A3" Set 3/4" I.P. conc plug 1/2" dp & copper wire

W. MALIBU RD

204.41

204.44 T=62=204.41

"A2A" Set 2" I.P. Conc Center & Bk Spk 2" dp Fd 12" dp after const 5-12-58 VAM

RESET 3/4" I.P. CONC PLUG & N. ON. 2" 5-13-58 CK. JL

From "A2" 142.67

From Top pg 17

RETURN TO
LOS ANGELES COUNTY SURVEYOR
720 LOS ANGELES COUNTY
ENGINEERING BLDG.
Do not extend notes this side of this line.

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

Notes Ck'd by J. F. McMILLAN	Survey of Amarillo Beach Landslide
Map No.	W. O. 0021.81 Tape No. 140 St'd. 84 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes Van Date 4-3-58
Date	Indexed A. C. Johnson

F. B. 2341 PG. 19

To bot pg 20

282.02 T=72 = 282.00

"A7" Set Set 3/4" I.P. conc plug and cop wire 2" dp

123.62 T=72 = 123.61

"A6A" Set 3/4" I.P. conc plug & copper pin 1" dp

161.81 T=72 = 161.80

"A6" Set 3/4" I.P. conc plug & copper pin 1" dp

238.35 T=72 = 238.33

"A5" Set 3/4" I.P. conc plug & tk 1" dp

From Top pg 18

282.00 To A8

123.61

161.80

238.33

71.08

From A4A

W- MALIBU RD

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

Do not extend notes this side of this line.

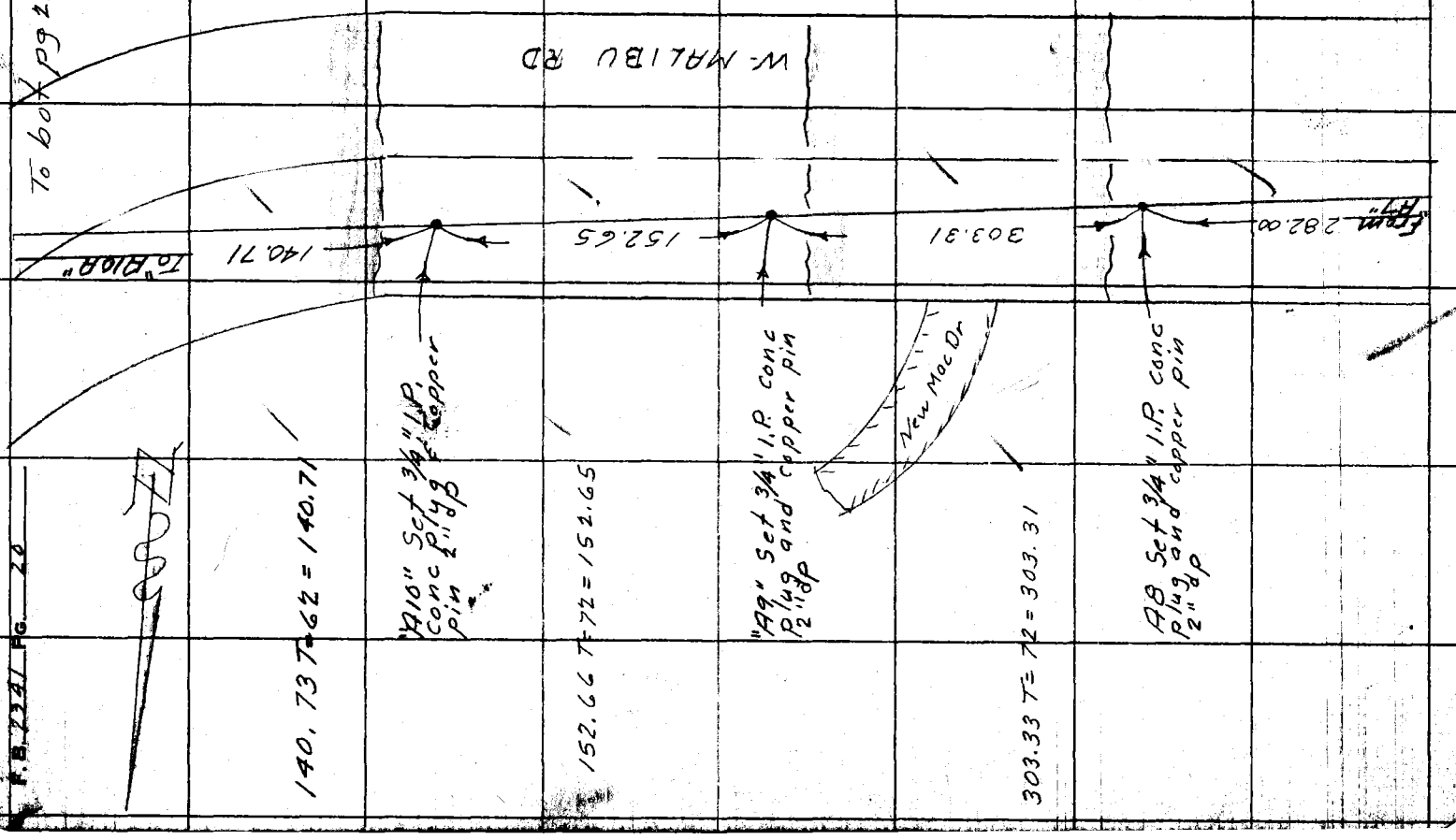
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

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

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

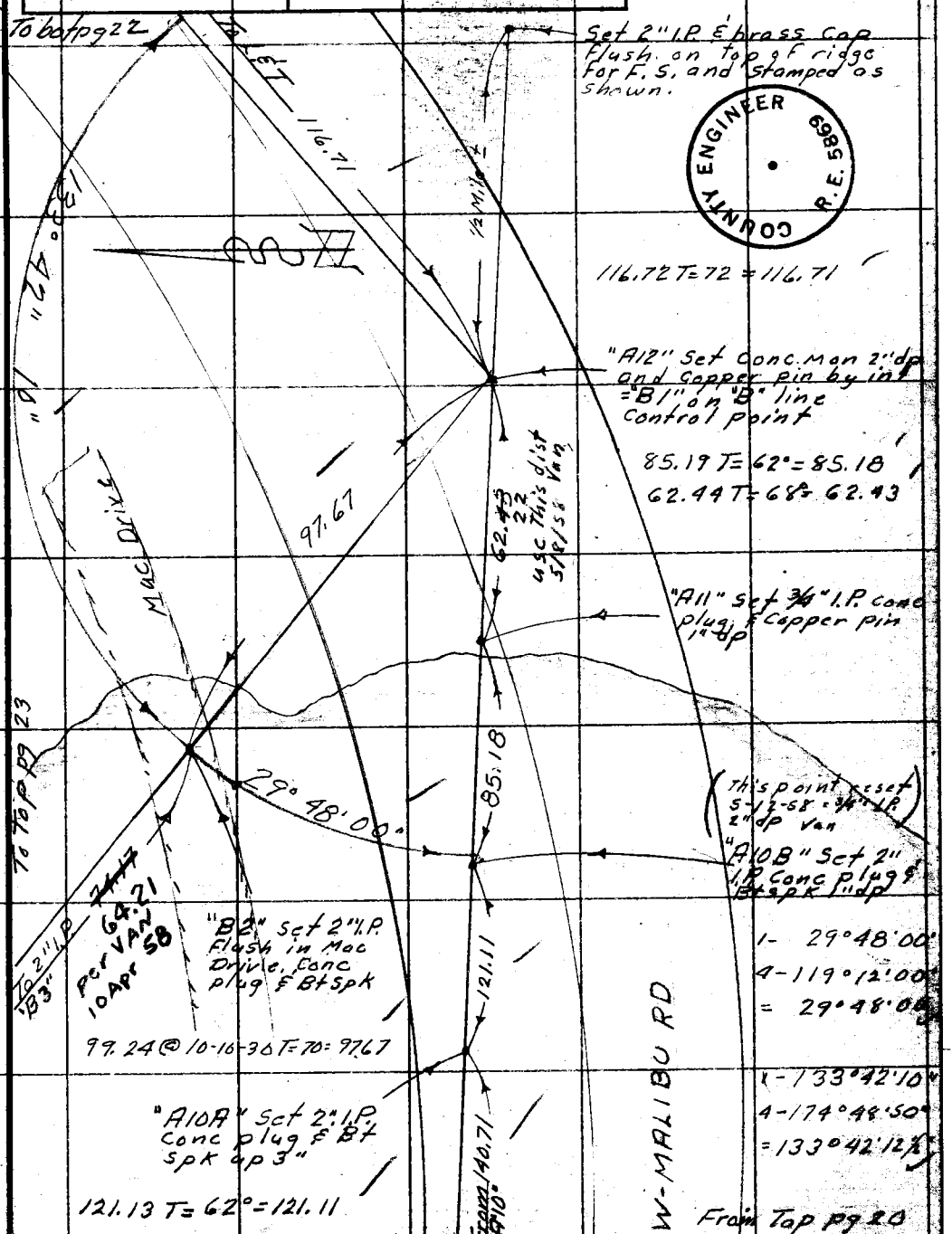
Do not extend notes this side of this line.



F.B. 234 Pg. 26

Notes Ck'd by J. F. McMILLAN	Survey of Amarillo Beach F.S.
Map No.	W. O. 0021.81 Tape No. 140 St'd. 84 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes Van Date 4-4-56
Date	Indexed C. Johnson

F. B. 2341 Pg. 21



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

Do not extend notes this side of this line.

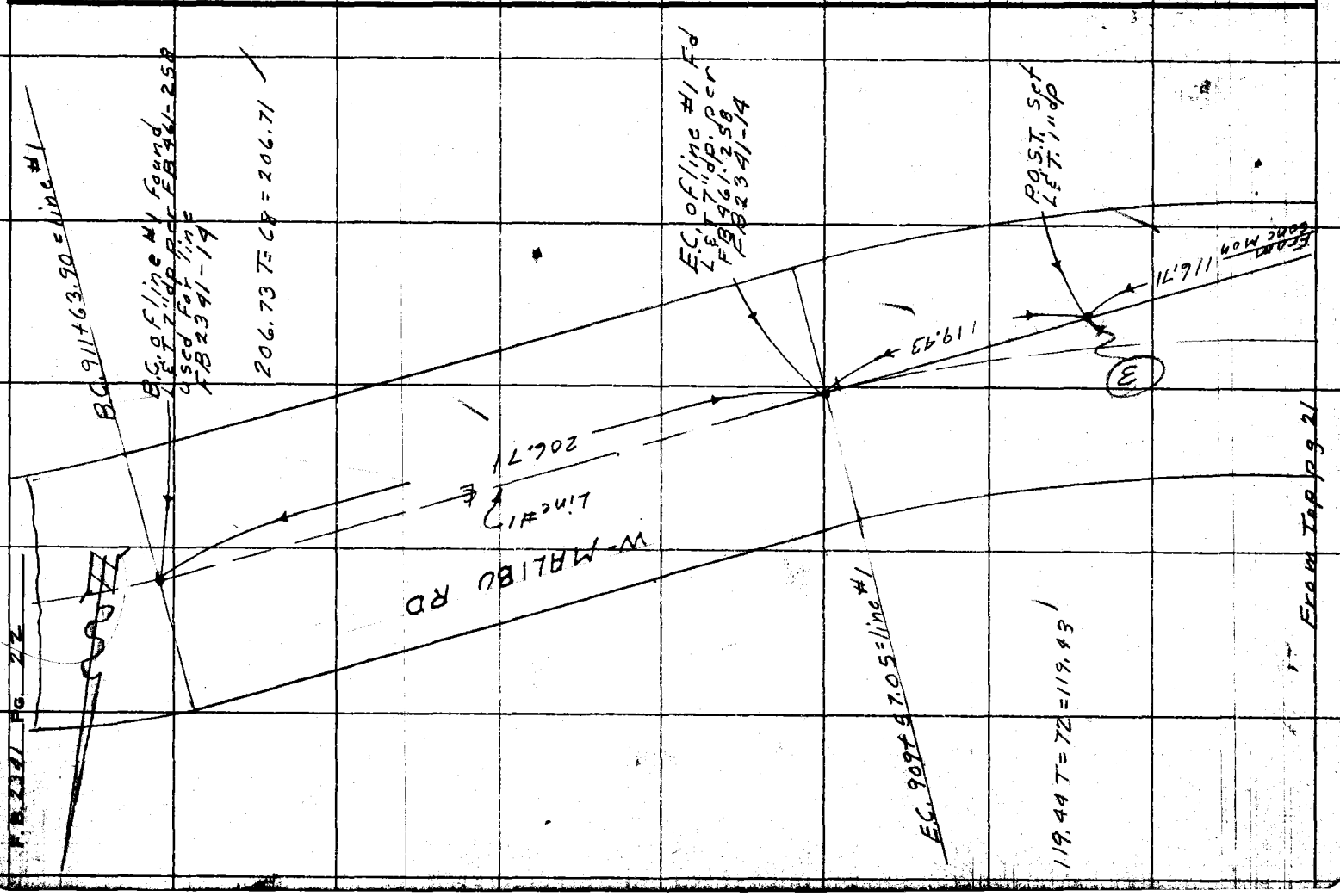
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 S&E #247. 8-54

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

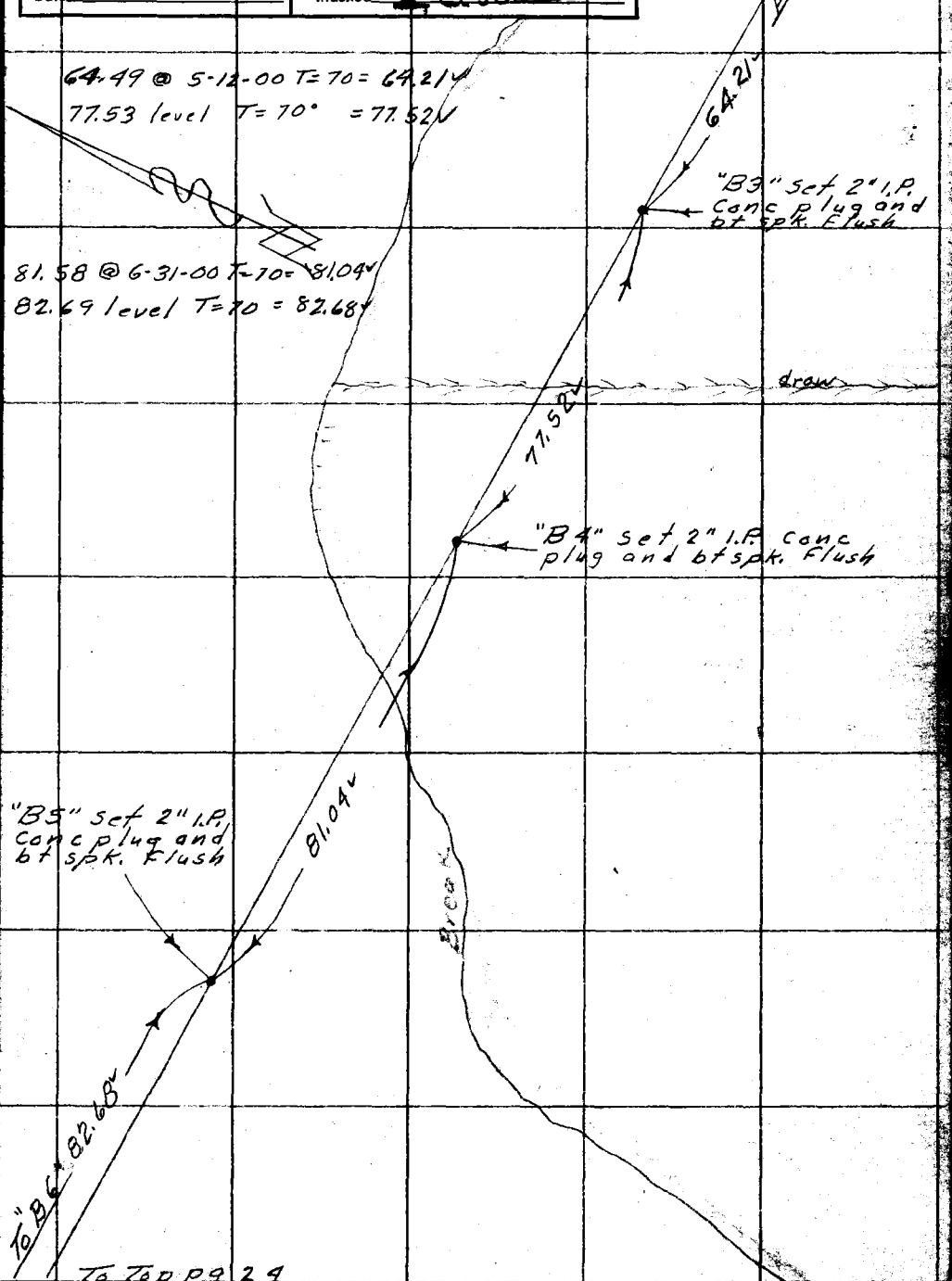
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.



Notes Ck'd by	Survey of Amarillo Beach L.S.
Map No.	W. O. 0021.85 Tape No. 140 St'd. °F
Office Work	Surveyed by M.A. Van Deren
Checked	Notes Van Date 9-8-58
Date	Indexed C. Johnson

F.B. 2341 Pg. 23
From Lt pg 21



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

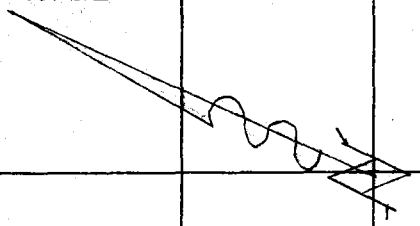
Do not extend notes this side of this line.

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

76F3095 S&E #247. 8-54

F.B. 3341 PG. 24

From bot pg 23



82.68' From "B5"

"B6" Set 2" I.P. & Br Cap Flush and Stamped as shown at toe slope

COUNTY ENGINEER 5689 R.E.

Not Taped

Toe Slope

"B7" Set 3/4" I.P. Conc plug & pin flush on top of ridge

20'±

Wire Fence

Top of Ridge

Not Taped

To angle point = B8.

To Top pg 25

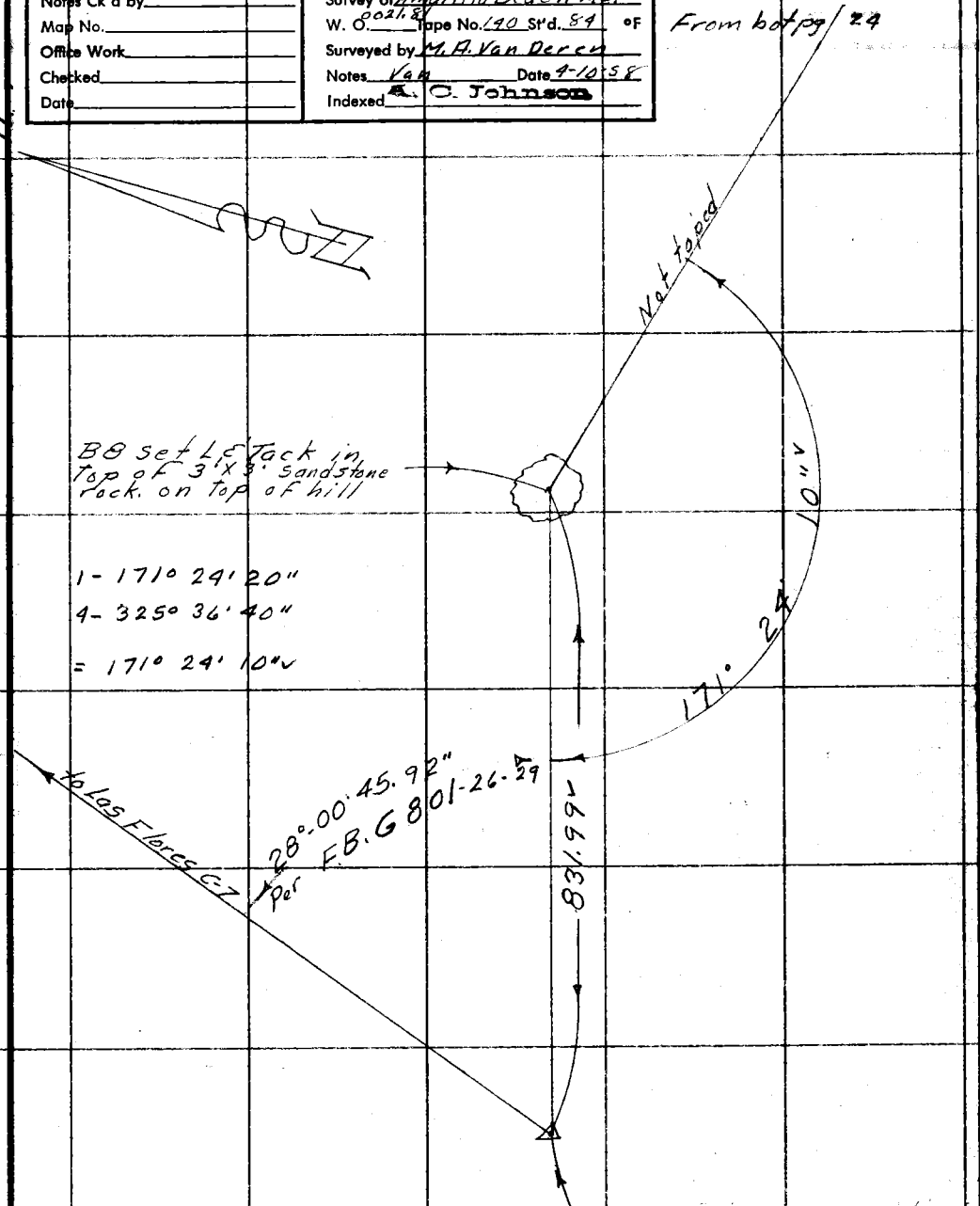
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of Amarillo Beach L.S.
Map No.	W. O. 8021.81 Tape No. 140 St'd. 84 °F
Office Work	Surveyed by M.A. Van Deren
Checked	Notes Van Date 4-10-58
Date	Indexed A. O. Johnson

F. B. 2391 Pg. 25

From bot pg 24



104.47 @ 1-11-00 T=84= 104.45v
291.60 @ 2-48-00 T=84= 291.25v
233.51 @ 2-27-00 T=84= 233.30v
134.29 level T=84= 134.29v
68.70 level T=84= 68.70v
831.99v

Station Reef = Solstice Canyon
L-9 3" brass tablet set in conc. per FB 925-63
FB 933-45

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

Do not extend notes this side of this line.

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

76F3095 S&E #247. 8-54

Notes Ck'd by	Survey of PUERCO CN SLIDE AREA
Map No.	IN 0021.08 Tape Std. °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D Date 2&3-62
Date	Indexed H. E. OTT MAR 21 62

F. B. 2341 PG. 51

PUERCO CANYON SLIDE AREA

JOB NO. 0021.08

℄ MALIBU ROAD FROM PUERCO CN ROAD WESTERLY TO PACIFIC COAST HWY.

CONTROL LINE ON PRIVATE ST. BETWEEN MALIBU ROAD AND PACIFIC COAST HWY.

ADDITIONAL CONTROL ALONG L.A.CO. SUR. CONTROL SYSTEM TRAVERSE LINE ON PACIFIC COAST HWY.

LEVELS, PAGES 63 TO 74

DREIER
MOODY
VALDEZ
SMITH, N.
RODRIGUEZ, R.R.
WORKMAN.

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

Do not extend notes this side of this line.

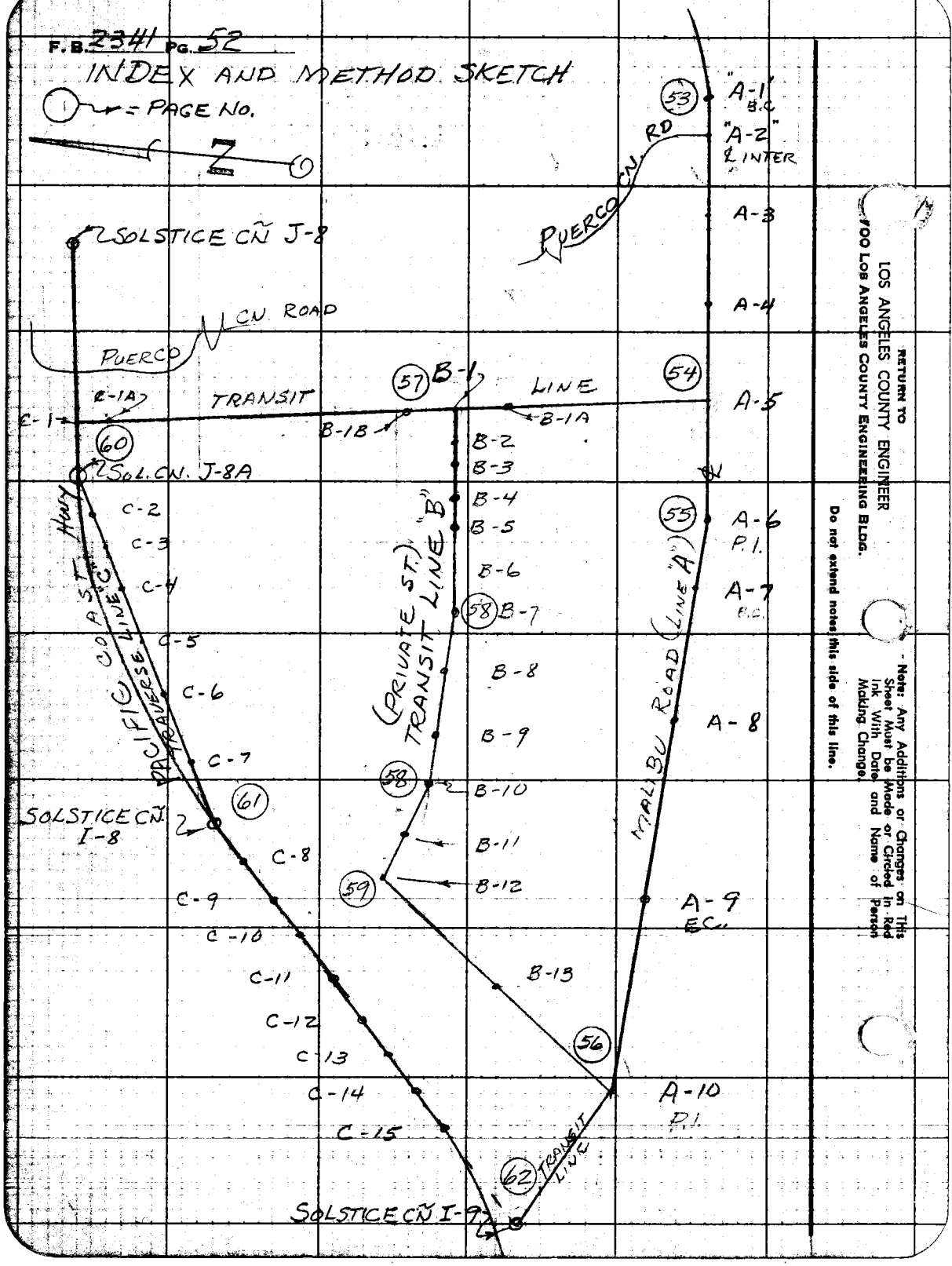
RETURN TO
LOS ANGELES COUNTY ENGINEER
2000 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-53

F.B. 2341 PG. 52

INDEX AND METHOD SKETCH

(1) = PAGE No.



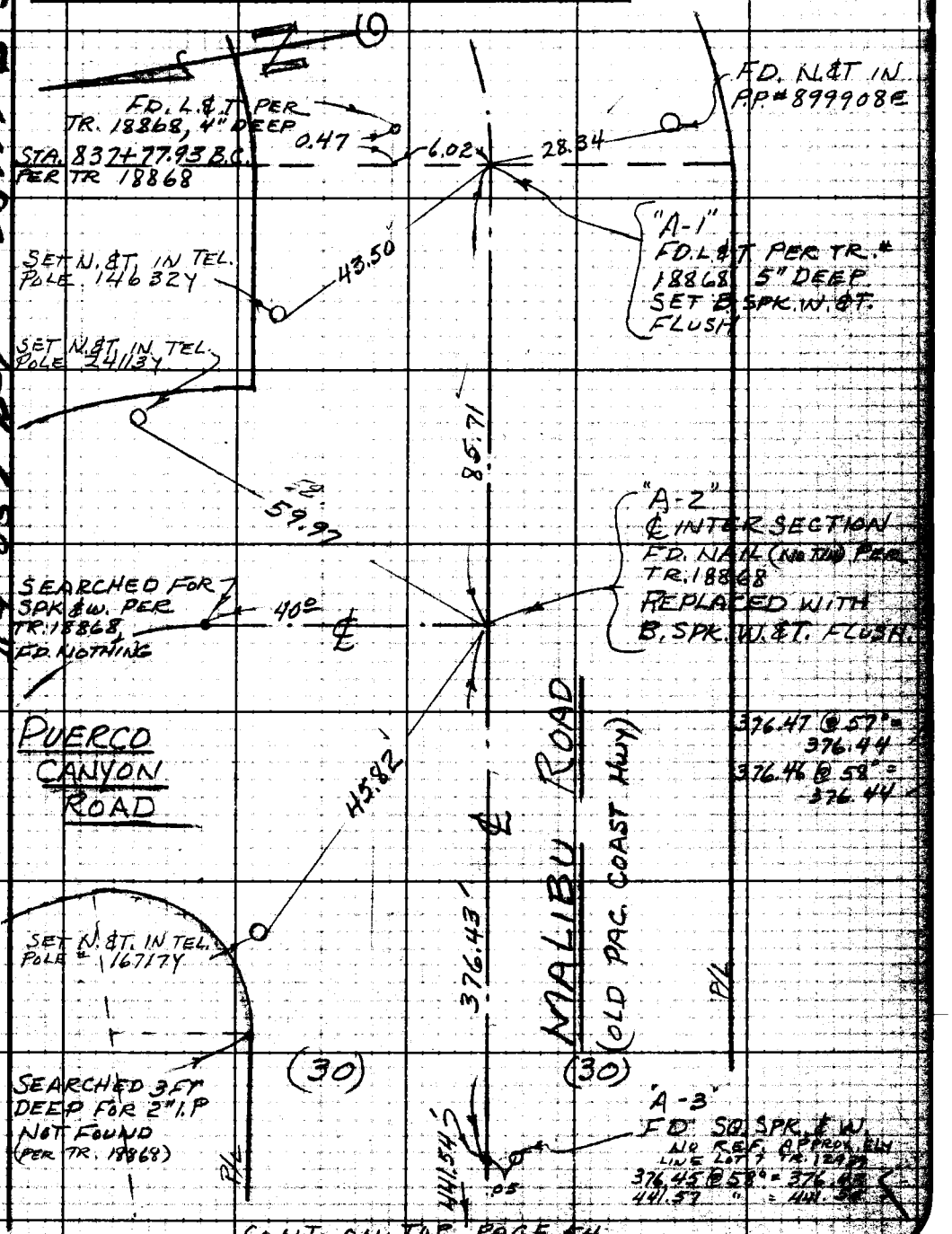
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

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

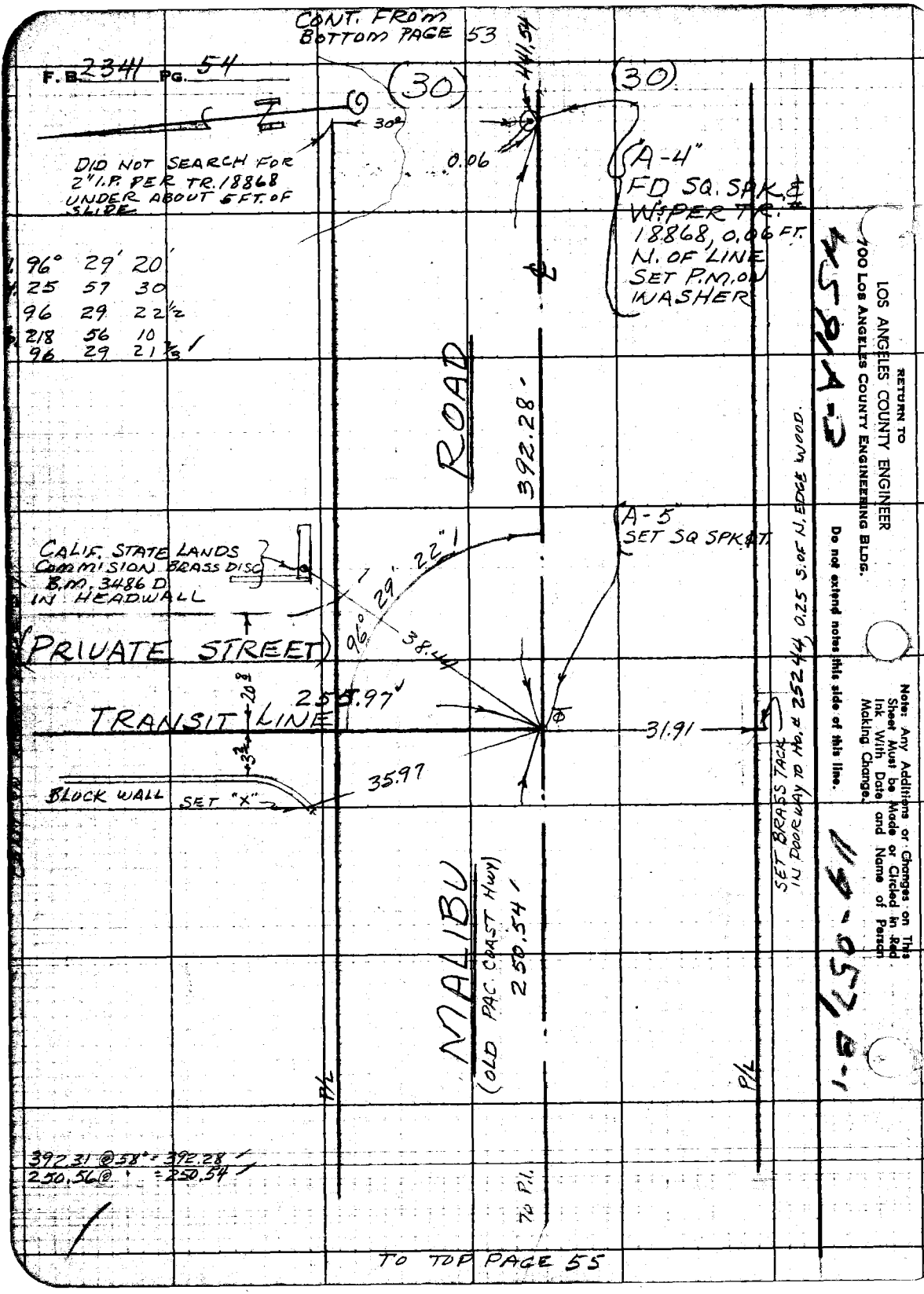
Notes Ck'd by	Survey of PUERCO CN. SLIDE AREA
Map No.	0021.08 Tape 0130 Std. 68 OF
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D Date 2-26-62
Date	Indexed H. E. OTT

F. B. 2341 PG. 53



CONT. ON TOP PAGE 54

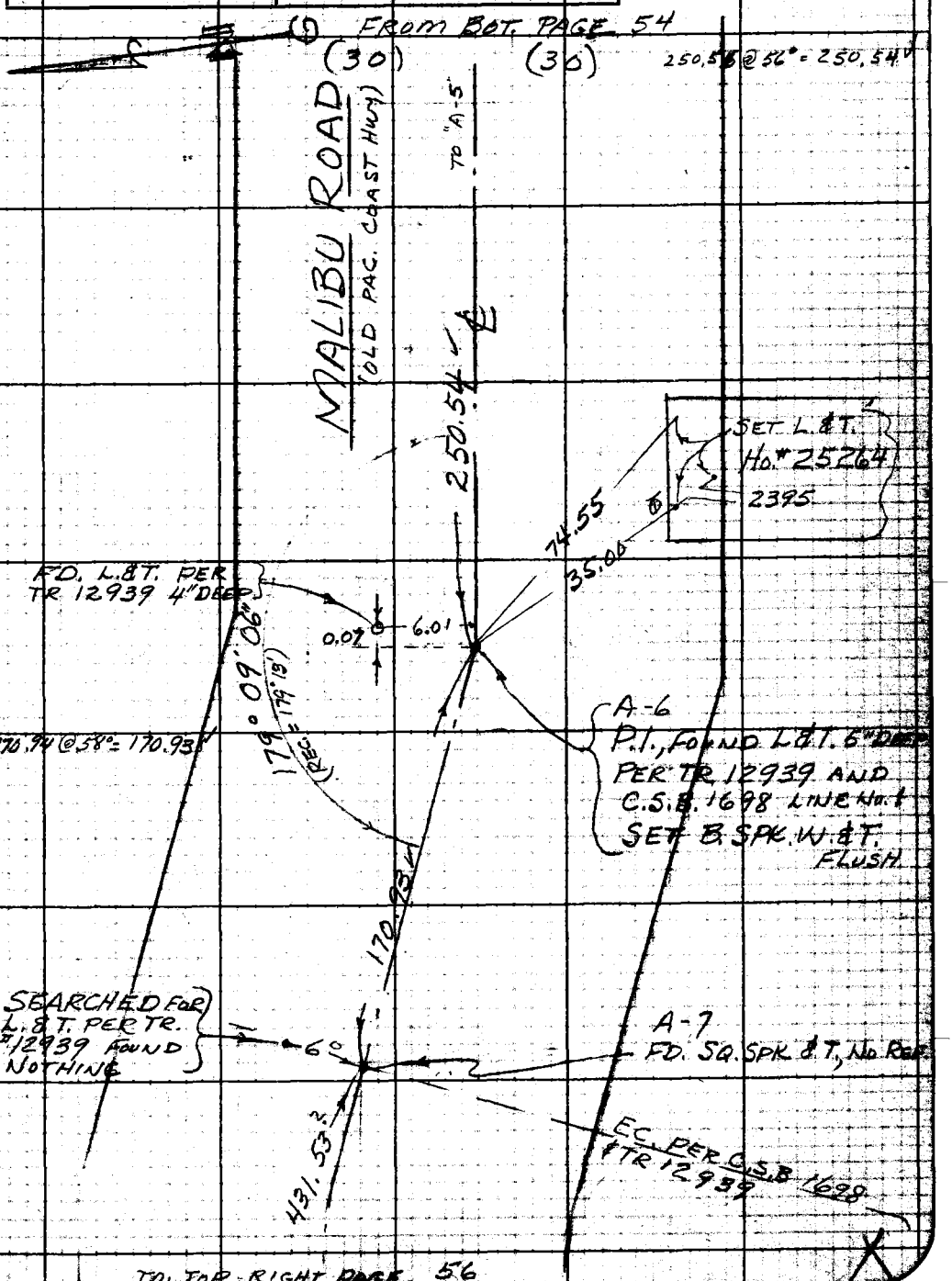
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend notes this side of this line.
RETURN TO LOS ANGELES COUNTY ENGINEER 900 LOS ANGELES COUNTY ENGINEERING BLDG.
768095 CE #247—7-53



CONT. FROM BOTTOM PAGE 53
F.B. 2341 PG. 54
(30)
(30)
441.54
30°
0.06
DID NOT SEARCH FOR 2" I.P. PER TR. 18868 UNDER ABOUT 5 FT. OF SLIDE
A-4" FD SQ. SPK. & WIPER TR. 18868, 0.06 FT. N. OF LINE SET P.M. ON WASHER
96° 29' 20'
25 57 30
96 29 22½
218 56 10
96 29 21⅔
ROAD
392.28'
A-5 SET SQ SPK & T.
CALIF. STATE LANDS COMMISION BRASS DISC B.M. 3486 D IN HEADWALL
(PRIVATE STREET)
96° 29' 22"
38.44
255.97
TRANSIT LINE
20.8
3.2
31.91
35.97
BLOCK WALL
SET "X"
SET BRASS TACK IN DOORWAY TO HO. # 25244, 0.25 S. OF N. EDGE WOOD.
MALIBU
(OLD PAC. COAST HWY)
250.54
P/L
P/L
392.31 @ 58° = 392.28
250.56 @ " = 250.54
TO P.I.
TO TOP PAGE 55
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of PUERCO CN. SLIDE AREA
Map No.	IN 0021.08 Tape 0130 Sht 68 OF
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D Date 2-26-62
Date	Indexed H. E. OTT

F. B. 2341 PG. 55



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

Do not extend notes this side of this line.

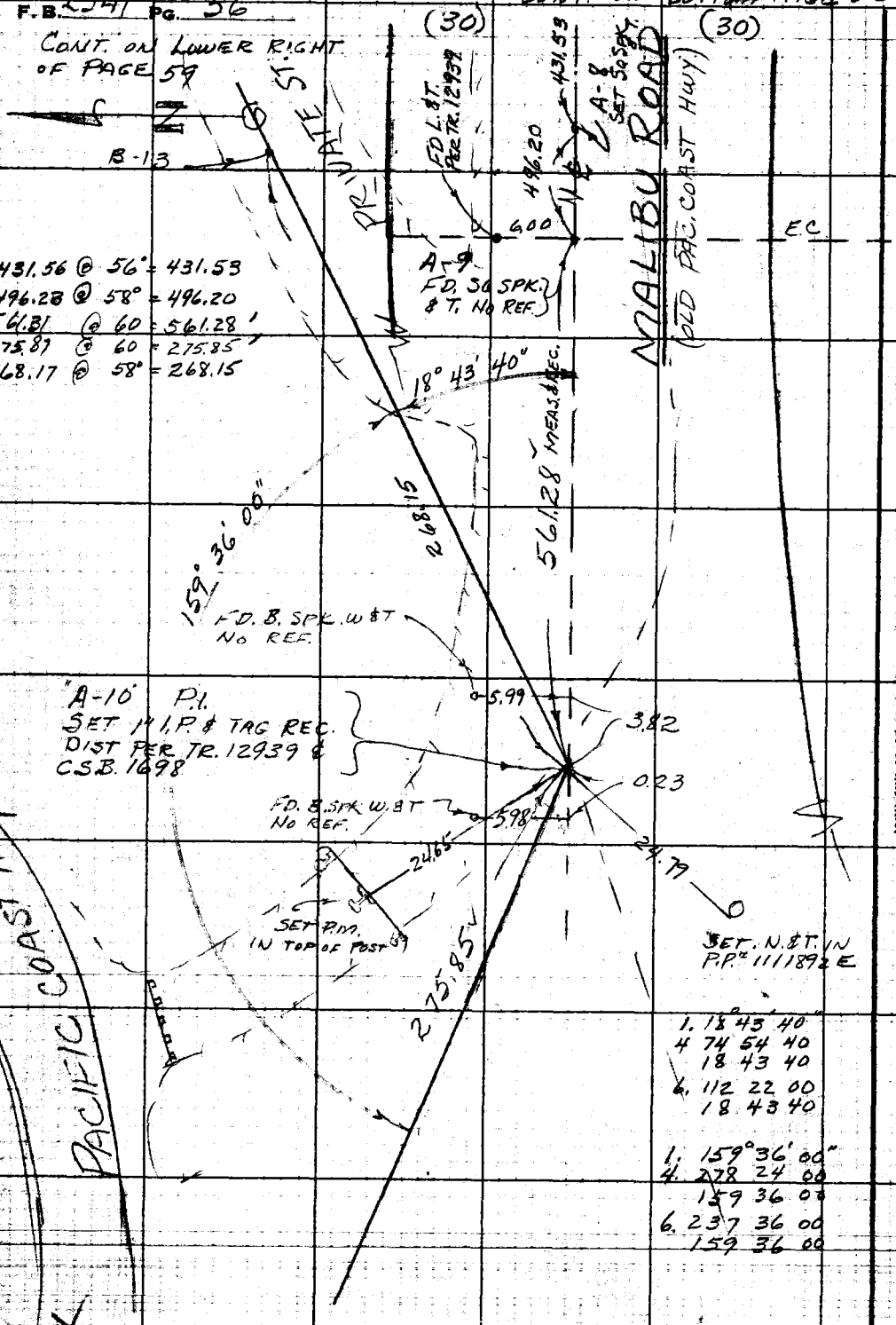
RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

768C98 CE #247—7-59

F.B. 2341 PG. 56

CONT. ON BOTTOM PAGE 55

CONT. ON LOWER RIGHT OF PAGE 59



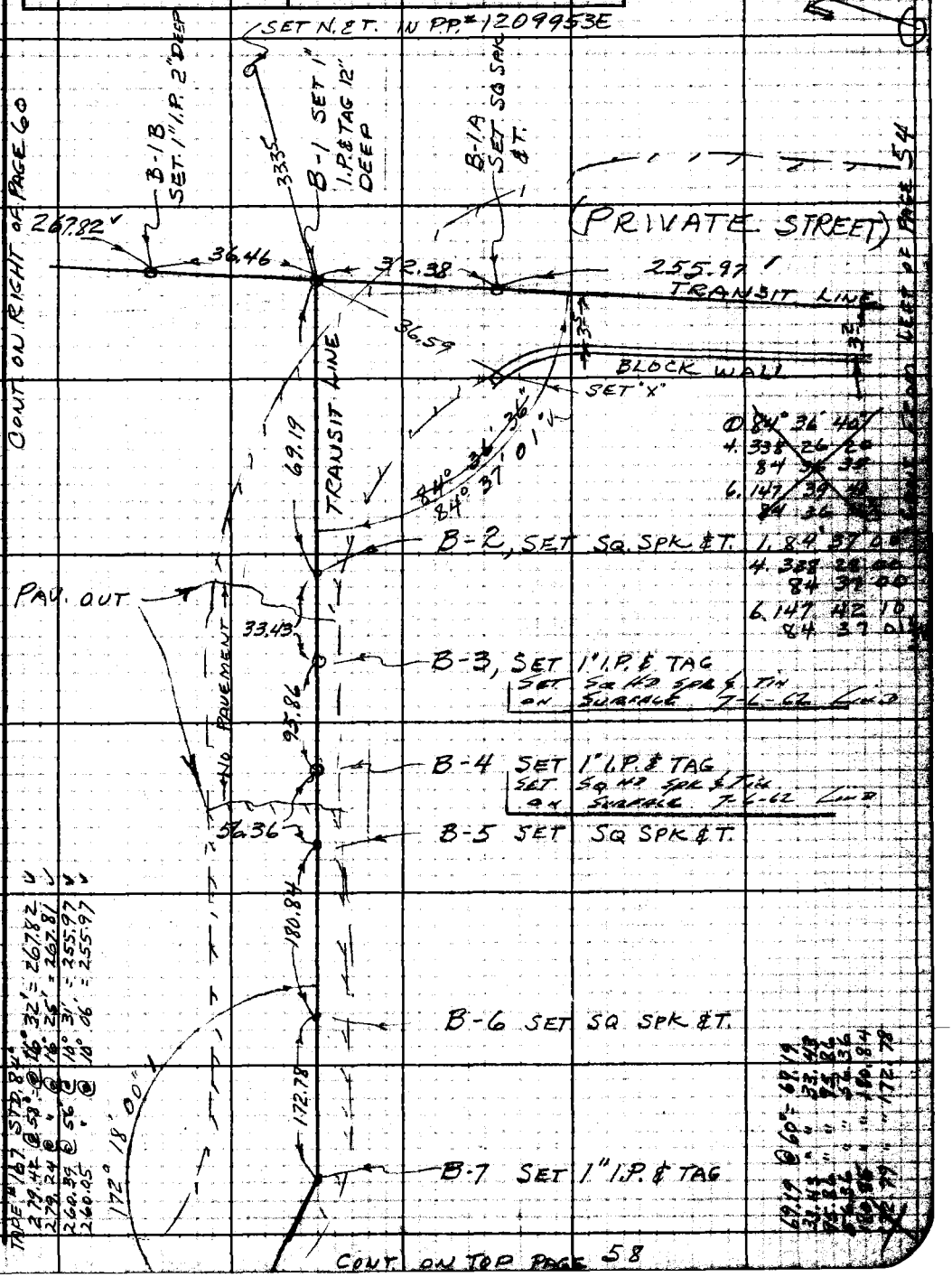
RETURN TO
LOS ANGELES COUNTY ENGINEER
7700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of PUERCO CN SLIDE AREA
Map No.	IN 0021.08 Tape 0130 Std 68 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D. Date 3-1-62
Date	Indexed H. E. OTT

F. B. 2341 PG. 57



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

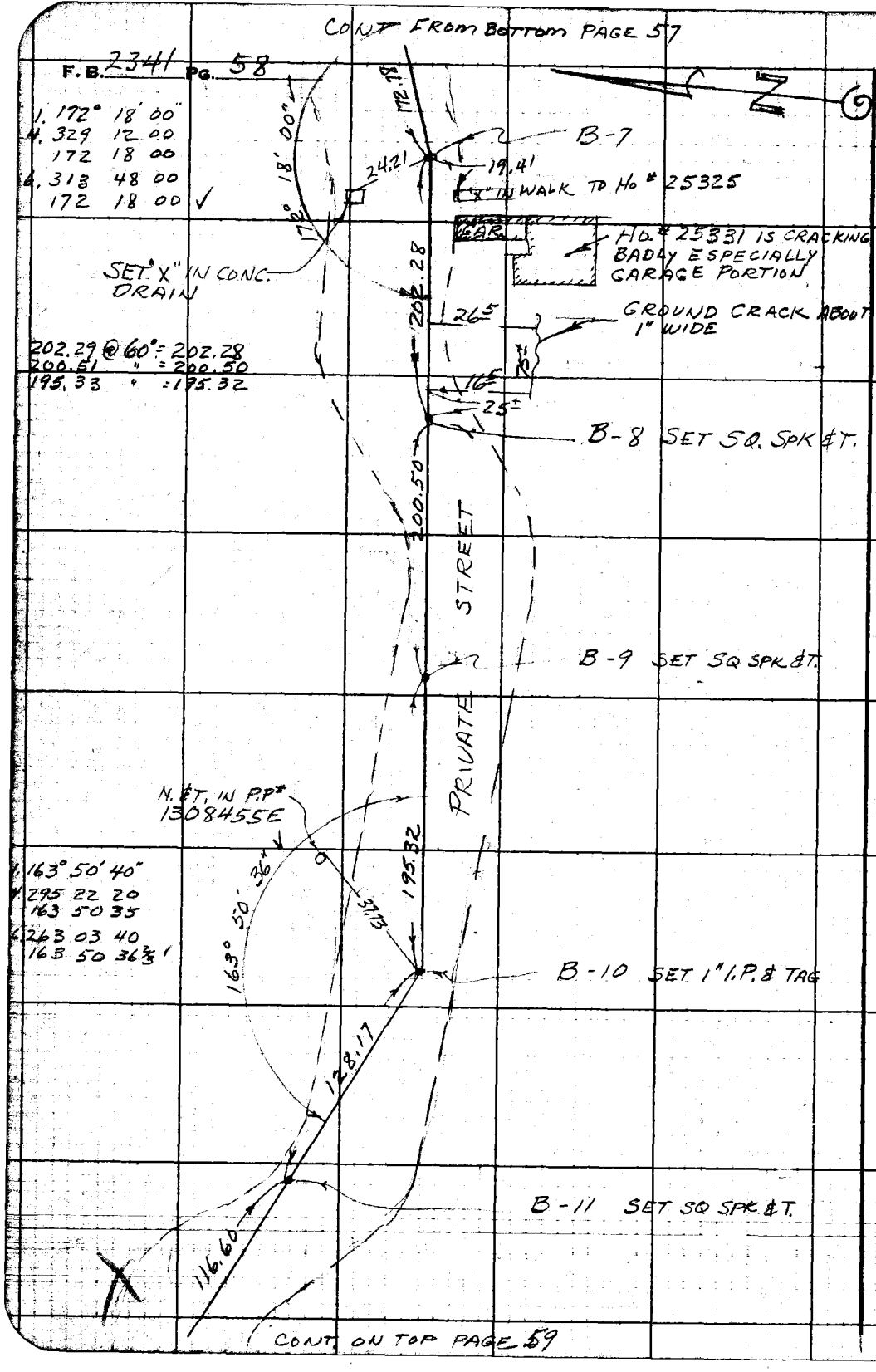
Do not extend notes this side of this line.

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

7-8-09 CE #247—7-59

CONT FROM BOTTOM PAGE 57

F.B. 2341 PG. 58



CONT. ON TOP PAGE 59

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

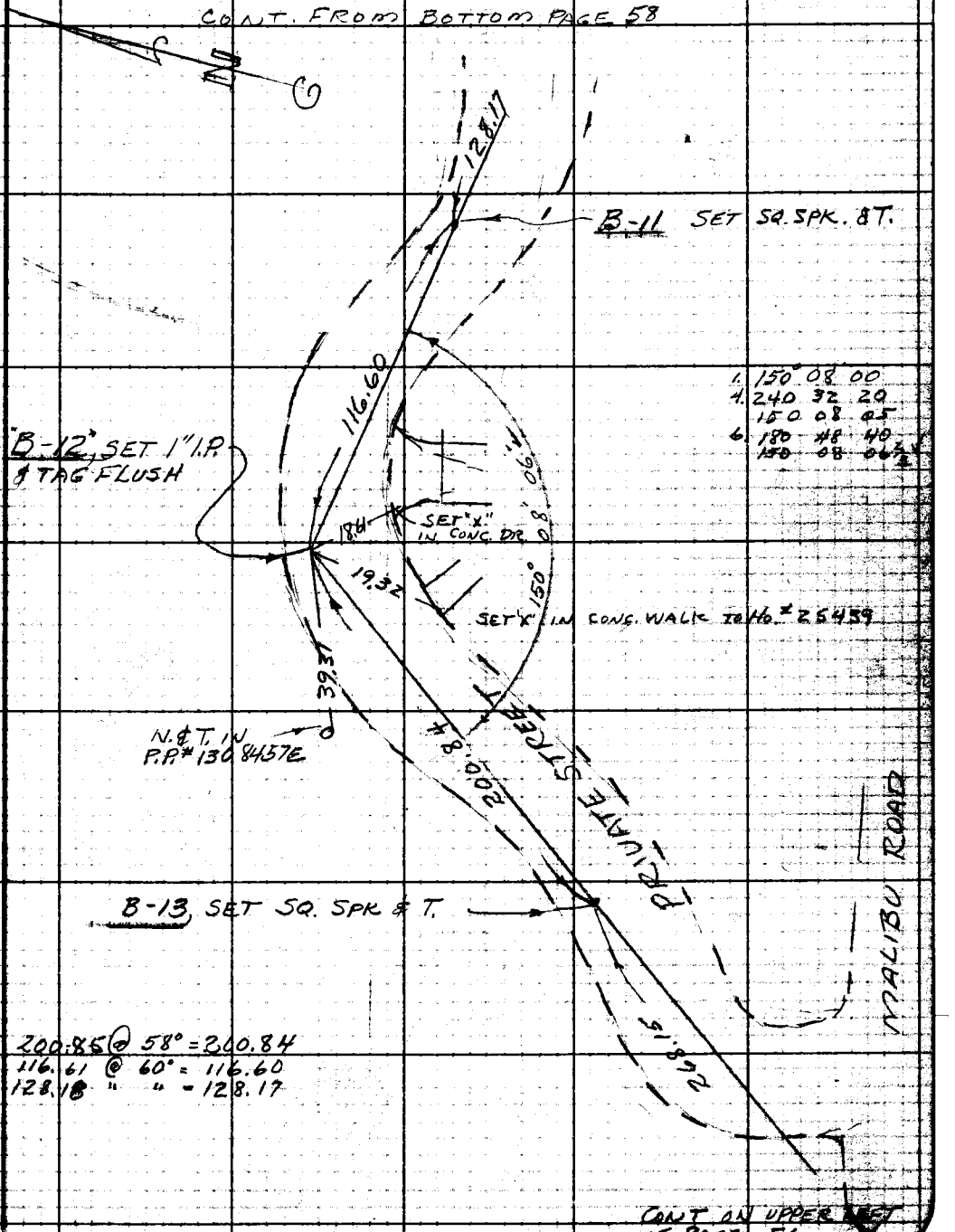
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

Notes Ck'd by	Survey of PUERCO CN SLIDE AREA
Map No.	IN 0021.08 Tape 0130 Std. 68 °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G.E.D. Date 3-1-62
Date	Indexed H. E. OTT

F. B. 2341 PG. 59

CONT. FROM BOTTOM PAGE 58



1. 150° 08' 00"
4. 240 32 20
150 08 05
6. 180 48 40
150 08 06½

200.85 @ 58° = 200.84
116.61 @ 60° = 116.60
128.18 " " = 128.17

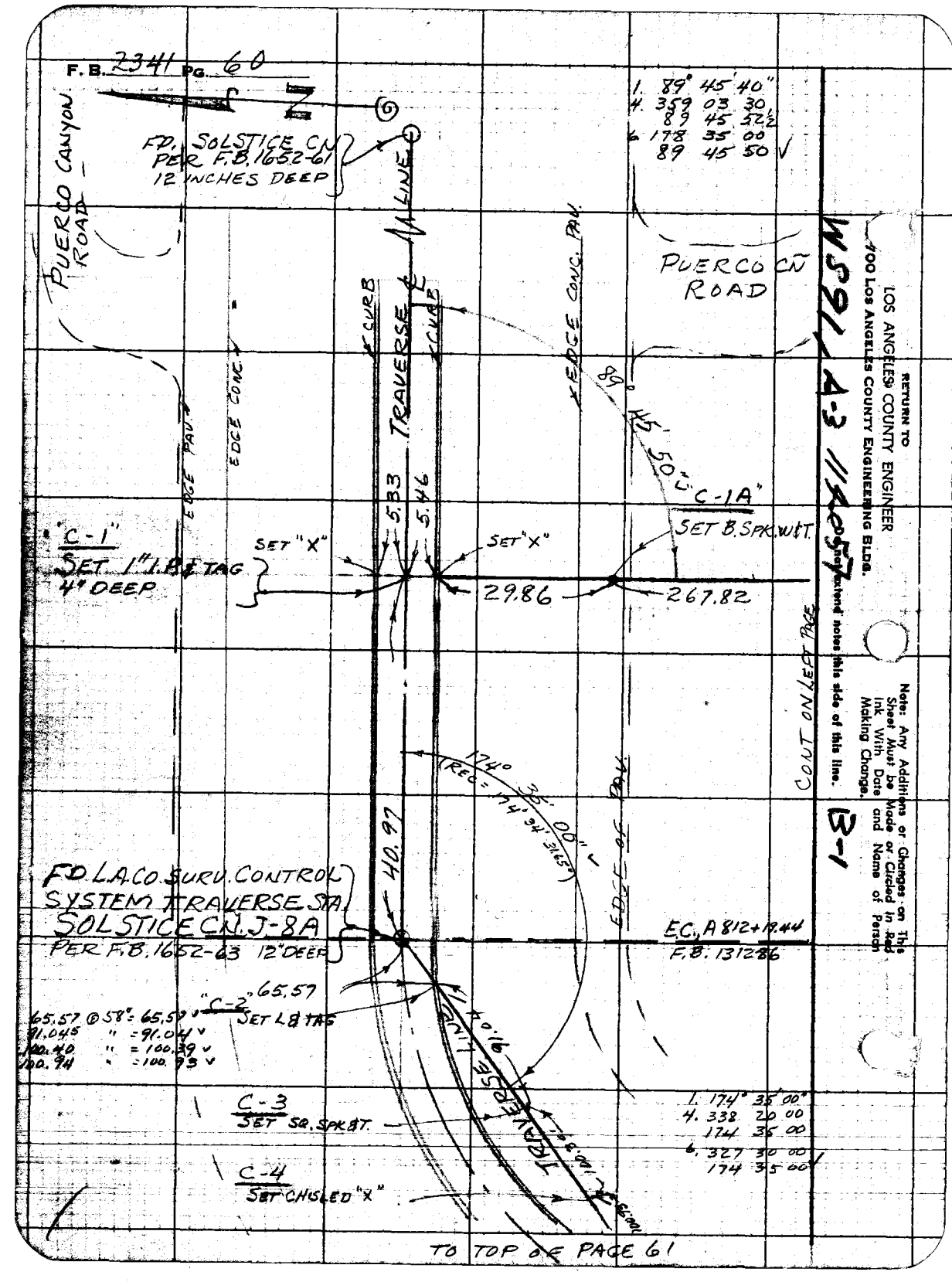
CONT ON UPPER LEFT OF PAGE 56

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

Do not extend notes this side of this line.

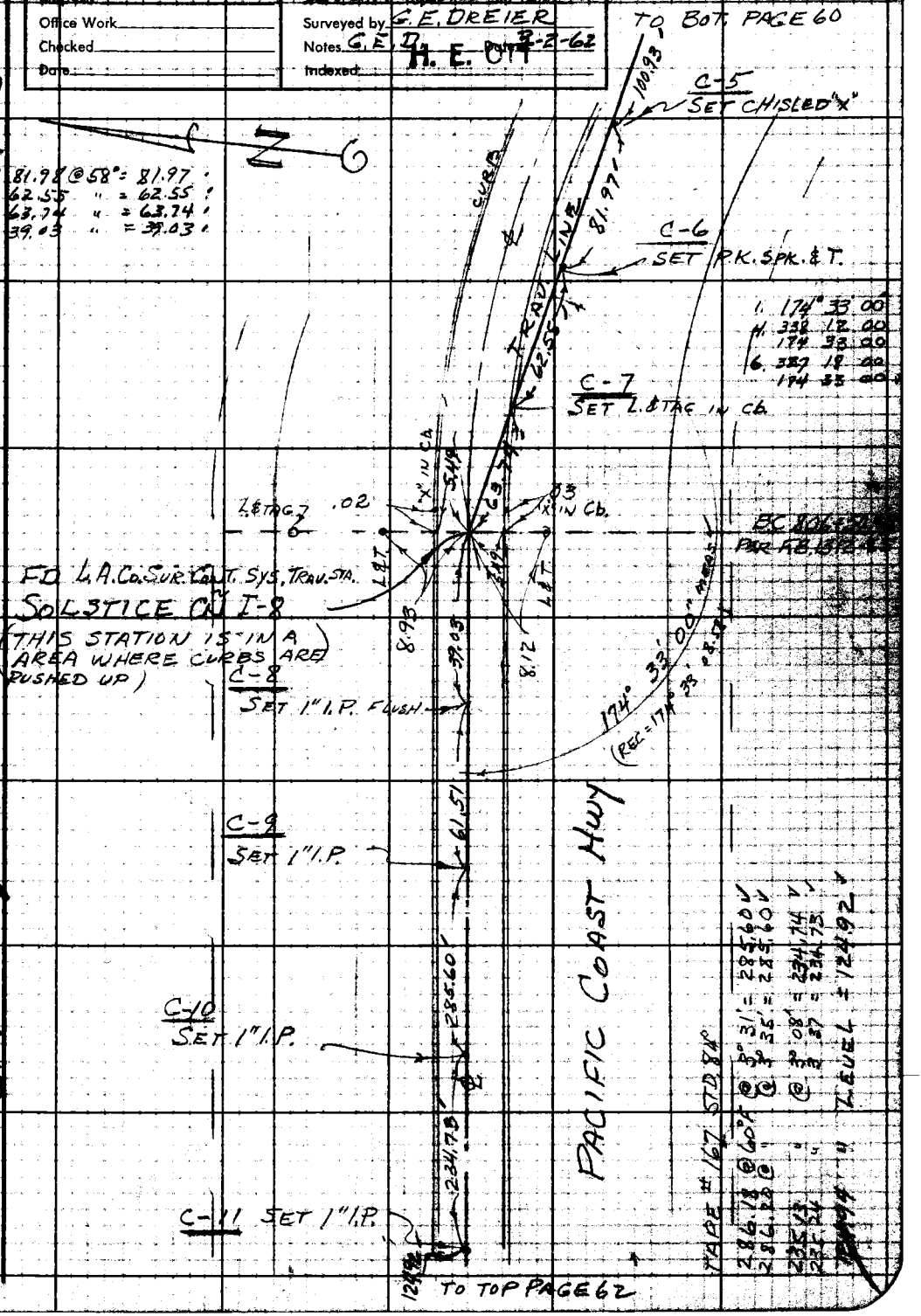
RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-53


F.B. 2341 PG. 60
PUERCO CANYON ROAD
FD. SOLSTICE CN PER F.B. 1652-61 12 INCHES DEEP
1. 89° 45' 40"
4. 359 03 30
89 45 52½
6. 178 35 00
89 45 50
PUERCO CN ROAD
TRAVERSE LINE
CURB
CURB
EDGE CONC. PAV.
EDGE PAV.
EDGE CONC.
89° 45' 50"
"C-1A"
SET B. SPK. W&T.
5.33
5.46
"C-1"
SET 1" I.P. & TAG 4" DEEP
SET "X"
SET "X"
29.86
267.82
CONT ON LEFT PAGE
174° 35' 00"
(REC = 174° 34' 31.65")
EDGE OF PAV.
40.97
FD L.A.CO. SURV. CONTROL SYSTEM TRAVERSE STA. SOLSTICE CN. J-8A PER F.B. 1652-63 12" DEEP
E.C. A 812+19.44
F.B. 131286
65.57
"C-2" SET L & TAG
65.57 @ 58" = 65.57
91.045 " = 91.04
100.40 " = 100.39
100.94 " = 100.93
TRAVERSE LINE
C-3
SET SQ. SPK & T.
C-4
SET CHISLED "X"
1. 174° 35' 00"
4. 338 20 00
174 35 00
6. 327 30 00
174 35 00
TO TOP OF PAGE 61
RETURN TO
LOS ANGELES COUNTY ENGINEER
400 LOS ANGELES COUNTY ENGINEERING BLDG.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
Do not extend notes this side of this line.
B-1

Notes Ck'd by	Survey of PUERCO CN SLIDE AREA
Map No.	0021.08 Tape 0130 Std. 68 °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. D. Date 2-2-62
Date	Indexed H. E. OTT

F. B. 2341 PG. 61



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

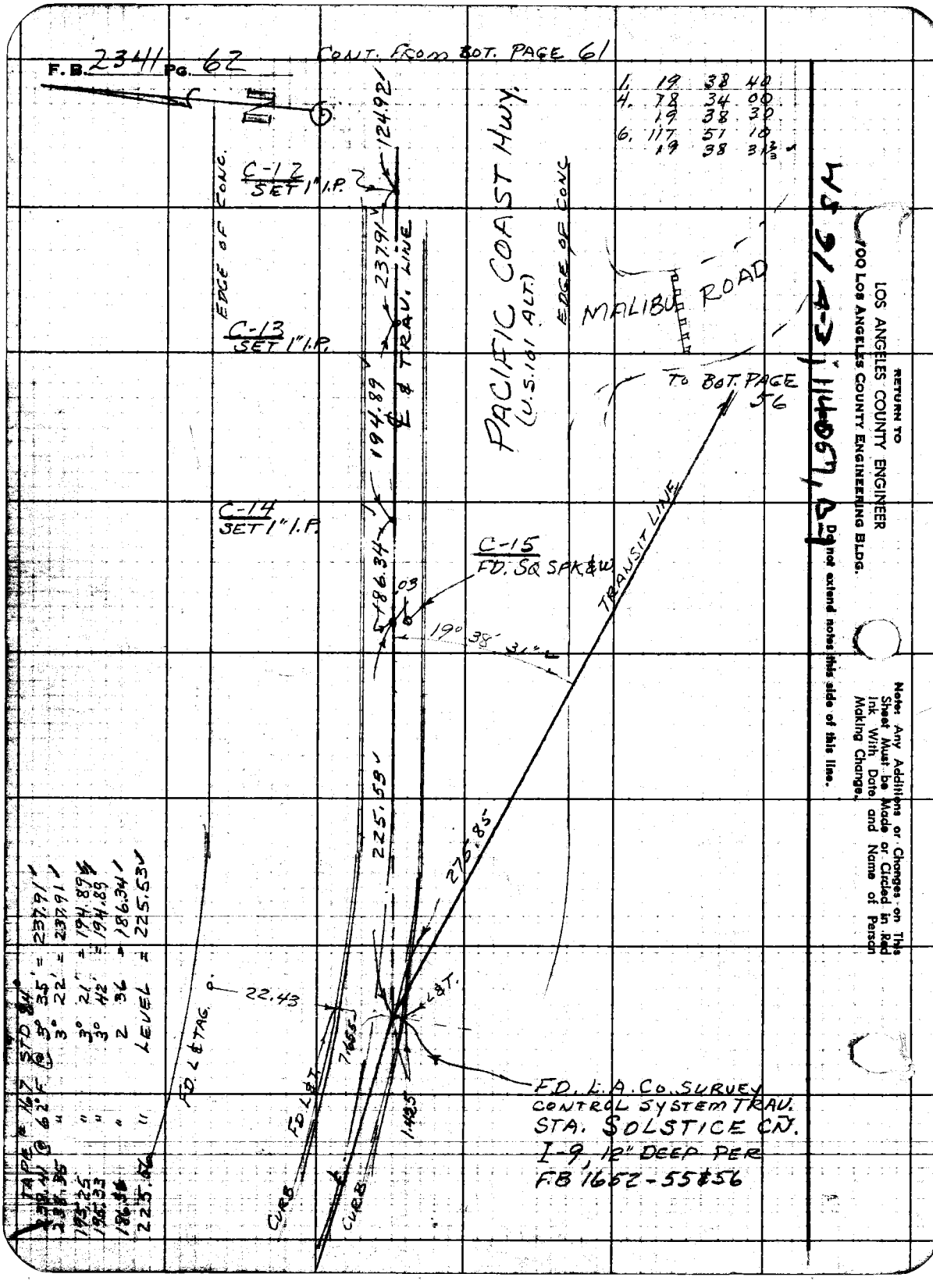
Do not extend notes this side of this line.

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

#14-057, BY

#591 A-3

768093 CE #247—7-63


F.B. 2341 PG. 62
CONT. FROM BOT. PAGE 61
1. 19 38 40
4. 78 34 00
19 38 30
6. 117 51 10
19 38 31 2/3
124.92
C-12
SET 1" I.P.
EDGE OF CONC.
237.91
℄ & TRAV. LINE
C-13
SET 1" I.P.
194.89
PACIFIC COAST HWY.
(U.S. 101 ALT.)
EDGE OF CONC
MALIBU ROAD
TO BOT. PAGE 56
C-14
SET 1" I.P.
186.34
C-15
FD. SQ SPK & W
.03
19° 38' 31"
TRANSIT LINE
225.53
275.85
22.43
L&T.
7.65
1.42
FD. L&T.
FD. L&T.
CURB
CURB
FD. L.A. CO. SURVEY
CONTROL SYSTEM TRAV.
STA. SOLSTICE CN.
I-9, 12" DEEP PER
F.B. 1652-55 & 56
TAPE # 167 STD 84°
238.41 @ 62° F @ 3° 35' = 237.91
238.35 " 3° 22' = 237.91
195.25 " 3° 21' = 194.89
195.33 " 3° 42' = 194.89
186.34 " 2 36 = 186.34
225.56 " LEVEL = 225.53
RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend notes this side of this line.
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

765420 353 8-49

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 48-91	160.763					B.M. 48-91 SOLSTICE CN J-8A 1960 PRELIM. ELEV. = 160.763 ± PAC. COAST Hwy 350 FT. W. OF PUECO CN ROAD, ON S.E.C. IN CENTER of DIVIDER BETWEEN TWO TANG "X" IN CURB 10" DEEP AT Hwy STA. 812+19.44 ± A STD. CO. DUR. CONTROL SYS. TRAV. STA.
+	3.240		3.203			
⏊	164.003	-1.409	1.410			
-	4.649		4.613			
"C-2"	159.354					C-2 L&TAG IN S. CURB of DIVIDER
+	1.447		1.402			
⏊	160.801	-4.265	-4.267			
-	5.712		5.669			
"C-3"	155.089					"C-3" SQ SPK & T. 5 AT S. of SLy Cb of DIVIDER
+	1.708		1635			
⏊	156.797	-4.664	4.665			
-	6.372		6.300			
"C-4"	150.425					C-4" CHISLED "X" IN CONC. PAV. 7' S. OF SLy Cb.
+	1.759		1.718			
⏊	152.184	-4.847	4.848			
-	6.606		6.566			
C-5	145.578					(C-5) CHISELED "X" IN CONC. PAV. 1" DEEP IN ASPHALT 7 FT S. OF SLy CURB
+	1.505		1.451			
⏊	147.083	-4.180	4.180			
-	5.685		5.631			
C-6	141.398					"C-6" P.K. SPK & T. 3' S. OF S. CURB
+	1.682		1.654			
⏊	143.080	-2.880	-2.879			
-	4.562		4.533			
C-7	138.518					"C-7" L. & T. IN S. CURB of DIVIDER

NOTES RED. JOB NO. 0021.08 SURVEY OF PUECO S.U. SLIDE AREA F.B. 2341/PG. 63
DATE SURVEY BY G.E. DREIER
NOTES CHKD. NOTES BY G.E.D DATE 3-7-62
DATE INDEXED DATE MAY 21 '62

769420 353 8-49

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

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

(P)

Do not extend notes this side of this line

JOB NO. 0021.08 SURVEY OF PUERCO CN. SLIDE AREA NOTES RED. DATE
SURVEY BY G.E. DREIER NOTES CHKD. DATE
NOTES BY G.E.D. DATE 3-7-62
INDEXED H.E. OTT DATE

F.B. 2341 PG. 64

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
C-7	138.518					
+	1.830		1.808			
⇈	140.348	-4.329	4.329			
−	6.159		6.137			
B.M. 48-92	134.189					B.M. 48-92 SOLSTICE CN. I-8
+	3.939		3932			1960 PRELIM. ELEV. = 134.137
⇈	138.128	-1.556	-1.558			
−	5.495		5.490			
"C-8"	132.633					C-8 1" I.P. FLUSH IN UPHEAVAL AREA
+	2.355		2.340			
⇈	134.988	-3.747	3.749			
−	6.102		6.089			
"C-9"	128.886	/				C-9 1" I.P. DOWN 3" IN SOLID?
+	1.062		0.951			
⇈	129.948	-10.412	10.415			
−	11.474		11.366			
T.P.	118.474					
+	1.240		1.140			
⇈	119.714	-6.730	6.730			
−	7.970		7.870			
C-10	111.744					C-10 1" I.P SOLID
+	1.699		1.607			
⇈	113.443	-9.431	9.434			
−	11.130		11.041			
T.P.	102.313					
+	1.482		1.455			
⇈	103.795	-5.433	5.435			
−	6.915		6.890			
C-11	96.880					"C-11" 1" I.P. BEGIN FILL

765420 353 8-49

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

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

Do not extend notes this side of this line

NOTES RED. JOB NO. 0021.08 SURVEY OF PIERCED ON SLIDE AREA
DATE SURVEY BY G.E. DREIER
NOTES CHKD. NOTES BY G.E.D. DATE 3-7-62
DATE INDEXED H.E. OTT DATE

F.B. 234/ PG. 65

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
"C-11"	96.880					
+	1.662		1.555	1.448		
↑	98.542	-7.590	7.586	7583		
-	9.249		9.141	9.031		
"C-12"	89.293					C-12 1" I.P. END FILL
+	2.105		2.154			
↑	91.398	-8.845	8.846			
-	10.950		11.000			
T.P.	80.448					
+	1.908		1887			
↑	82.356	-4.799	4.799			
-	6.707		6.686			
"C-13"	75.649					"C-13" 1" I.P. SOLID
+	1.170		1.130			
↑	76.819	-9.495	9.492			
-	10.665		10.622			
T.P	66.154					
+	2.969		2.941			
↑	69.123	-2.491	2.489			
-	5.460		5.430			
C-14	63.663					
+	1.089		1.069			C-14 1" I.P. FILL AT Hwy STA 794+72
↑	64.752	-10.541	10.541			
-	11.630		11.610			
C-15	53.122					C-15 Sq SPK & W&T. IN ASPHALT IN DIVIDER
+	1.168		1.145			
↑	54.290	-9.995	9.996			
-	11.163		11.141			
T.P	43.127					

765420 353 5-49

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

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

(P)

Do not extend notes this side of this line

JOB NO. 002168 SURVEY OF PUERCO CN SLIDE
SURVEY BY G.E. DREIER
NOTES BY G.E.D. DATE 3-7-62
INDEXED H.E. OTT DATE
NOTES RED. DATE
NOTES CHKD. DATE
F.B. 2341 PG. 66

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	43.127					CONT.
+	2.624		2.569			B.M. 48-93 SOLSTICE CN. I-9
⇈	45.751	-4.716	4.717			PRELIM 1960 ELEV. = 38.385
−	7.340		7.286			
B.M. 48-93	38.411					
+	2.198		2.180			
⇈	40.609	-9.602	-9.601			
−	11.800		11.781			
T.P.	28.809					
+	1.428		1.401	1.404		
⇈	30.237	-9.203	9.209	-9.209		
−	10.631		10.610	10.613		
T.P.	19.606					
+	4.360		4.320			B.M. 48-95 (L.S. 1303 RESET 1938)
⇈	23.966		-2.720			1960 PRELIM ELEV. = 16.871
−	7.080	-2.720	7.040			
B.M. 48-95	16.886					
B.M. 48-93	38.411					B.M. 48-93 SEE ABOVE
+	11.319		11.280			
⇈	49.730	+7.709	+7.709			
−	3.610		3.571			
T.P.	46.120					
+	10.017		9.990			
⇈	56.137	+3.882	+3.882			
−	6.135		6.108			
A-10	50.002					A-10" 1" I.P. ON SET P.I. RECORD DIST.

765420 353 8-49

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

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

9

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
A-10	50.002					CONT.
+	0.640		0619			
⊼	50,642	-11.051	11.051			
−	11,691		11.670			
T.P.	38.951					
+	0.772		0.768			
⊼	39,723	-10.990	10.991			
−	11.762		11.759			
T.P.	27,961					
+	0.954		0.909			
⊼	28.915	-6.829	6,831			
−	7.783		7.740			
T.P.	21,132					
+	4.326		4.270			
⊼	25,458	-0.614	0,617			
−	4,940		4,887			
A-9	20.518					A-9 SQ SPK & T AT E.O.
+	4,800		4,790			
⊼	25,318	+0,3	0.358			
−	4.443		4.432			
T.P.	20.875					
+	6,067		6.010	6.072		
⊼	26,942	+2.425	2.420	2.421		
−	3.642		3.590	3.651		
A-8	23.300					A-8 SQ SPK & T. P.O.T
+	6.254		6.249			
⊼	29.554	+	2.357			
−	3.900	2.354	3892			
T.P.	25.654					

NOTES RED. JOB NO. 002108 SURVEY OF PUERCO CN.
DATE SURVEY BY G.E. DREIER
NOTES CHKD. NOTES BY E.F.D. DATE 3-7-62
DATE INDEXED H.E. OTT DATE

F.B. 2341 PG. 67

763420 353 8-49

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

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

(P)

Do not extend notes this side of this line

JOB NO. 0021.08 SURVEY OF PUERCO CN. SLIDE AREA NOTES RED. DATE
SURVEY BY G.E. DREIER NOTES CHKD. DATE
NOTES BY G.E.D. DATE 3-7-62
INDEXED H.E. OTT DATE

F.B. 2341 PG. 68

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	25,654					CONT.
+	6,100		6,053			
⊼	31.754	+2.411	2,408			
−	3.689		3.645			
A-7	28.065					"A 7" SQ. SPK. & T. B.C.
+	6.167		6.160			
⊼	34.232	+1.226	1,228			
−	4.941		4.932			
A-6	29.291					A-6 B.SPK W. & T. P.I
+	4,810		4.771			
⊼	34.101		1.920			
−	6,730	-1.920	6.691			
A-5	27.371					"A-5" SQ SPK & T. AT PRIVATE ST.
+	4.479		4.397			
⊼	31.850	-3.152	3,153			
−	7.631		7,550			B.M. 3486D F.D. CALIF STATE
B.M. 3486D	24.219					LANDS COMMISSION BRASS DISC
+	4.938		4.920			IN W. END OF CULVERT HEADWALL
⊼	29.157	-1.462	1.464			STATION 116+01, AT N.E. COR.
−	6.400		6.384			MALIBU RD & PRIVATE ST. TO N.
T.P.	22.757					
+	4,289		4.269			
⊼	27.046	-1.315	1.315			
−	5,604		5.584			
A-4	21.442					A-4 SQ SPK & TWO WASHERS AT SLIDE
+	4.281		4.239			
⊼	25.723	-1.143	1.141			
−	5.424		5.380			
T.P.	20.299					

768420 353 8-49

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

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

(P)

160.763 int.
50.002 PT

Do not extend notes this side of this line

48-91

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	20.299					
+	4.763		4.724			
⊼	25.062	-0.190	0.191			
−	4.953		4.915			
A-3	20.109					A-3 SQ SPK & W. AT E EDGE LOT AT HO # 25134
+	6.850		6.795			
⊼	26.959	+4.435	4.434			
−	2.415		2.361			
A-2	24.544					A-2 B SPK W. & T. AT ℄ INTER MALIBU RD. & PUERCO CN. RD.
+	5.665		5.622			
⊼	30.209	+1.295	+1.294			
−	4.370		4.328			
A-1	25.839					A-1 B. SPK W. & T AT ℄ BC. 85.71 E. OF ℄ INTER
			[illegible]			
B.M 3486D	24.219					B.M. 3486D SEE PAGE 68 MALIBU RD. & PRIVATE ST. N.E. COR. CALIF STATE LANDS COMM. BRASS DISC IN N. END OF CULVERT HEADWALL AT STA. 116+01
+	11.744		11.614			
⊼	35.963	11.296	11.295			
−	0.448		0.319			
T.P.	35.515					
+	11.619		11.531			
⊼	47.134	11.103	11.102			
−	0.516		0.429			
TP	46.618					
+	11.853		11.765			
⊼	58.471	11.053	11.052			
−	0.800		0.713			
TP	57.671					
+	11.738		11.610			
⊼	69.409	11.129	11.130			

NOTES RED. ____ JOB NO. 0021.08 SURVEY OF PUERCO CN. SLIDE AREA
DATE ____ SURVEY BY G.E. DREIER
NOTES CHKD. ____ NOTES BY G.E.D. DATE 3-7-62
DATE ____ INDEXED H. E. OTT DATE ____

F.B. 2341 PG. 69

765420 353 8-49

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

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

(P)

Do not extend notes this side of this line

B.M.	1ST RUN 69.409	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
–	0.609		0480			
TP	68.800					
+	8.665		8.620			
⊼	77.465	+2.106	2106			
–	6559		6514			
B-1A	70906					BM B-1A SPK & T
+	9.171		9.145			
⊼	80.077	+5032	5.032			
–	4.139		4.113			
B-1	75.938					BM B-1 1" IP
+	10534		10469			
⊼	86472	+7.665	7.666			
–	2.869		2.803			
B-1B	83.603					BM B-1B 1" IP
+	11.985		11.885			
⊼	95.588	+11.602	11.602			
–	0383		0.283			
TP	95.205					
+	11.835		11.782			
⊼	107.040	+11.298	11.299			
–	0537		0.483			
TP	106.503					
+	11.862		11.793			
⊼	118.365	+11.293	11.293			
–	0.569		0.500			
T.P.	117.796					
+	11.335		11.243	11.219		
⊼	129.131	+10.485	10.493	10.492		
–	0.850		0.750	0.727		
TP	128.281					
+	11.677		11.629			

JOB NO. 0021.08 SURVEY OF PUERCO CR SLIDE AREA NOTES RED. DATE
SURVEY BY G.E. DREIER NOTES CHKD. DATE
NOTES BY MOODY DATE 3-8-62
INDEXED H. E. OTT DATE

F.B. 2341 PG. 70

765420 353 8-49

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

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

9

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
⊼	139.958	11.134	11.135			
−	0.543		0494			
T.P.	139.415					
+	11.656		11.582			
⊼	151.071	11.008	11.009			
−	0.648		0573			
T.P.	150.423					
+	11.980		11.883			
⊼	162.403	11.117	11.115			
−	0.863		0.768			
A-1A	161.540					BM A-1A
+	3.616		3522			
⊼	165.156	1.178	1.178			
−	2.438		2344			
A-1	162.718					BM A-1 1" F.I.
+	2.692		2618			
⊼	165.410	1.932	1.931			
−	4.624		4549			
48-91	160.786					BM 48-91 SOLSTICE CN. J-8A 1960 PRELIM. ELEV. = 160.763 PAC. COAST HWY. 350' WEST of PUERCO CANYON RD. ON ℄ E.C. IN CENTER OF DIVIDING STRIP, BETWEEN TWO TANG. "X'S IN CURB, 10" BELOW CURB LEVEL, AT HWY. STA. 812+19.44, A STD. CO. SUR. CONTROL TRAV. STA.

NOTES RED. JOB NO. 4021.08 SURVEY OF PUERCO CN. SLOPE AREA
DATE SURVEY BY G.E. DREIER
NOTES CHKD. NOTES BY H.E. UTT DATE 3-8-62
DATE INDEXED DATE

F.B. 7234 PG. 71

769420 353 8-49

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

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

(P)

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B-1	75.938					B-1 1" I-P (SEE P. 70 F.B. 2341)
+	1529		1409			
π	77.467	-5.151	-5.151			
−	6680		6560			
B-2	70.787					B-2 SPK & T
+	2.923		2.869			
π	73.710	-2.257	-2.258			
−	5.180		5.127			
B-3	68.530					B-3 1" I.P. & Tag
+	3.065		2995			
π	71.595	-2.874	-2.875			
−	5.939		5.870			
B-4	65.656					
+	5209		5169			
π	70.865	-0.211	0.209			
−	5420		5378			
B-5	65.445					B-5 SPK & T.
+	3.953		3876			
π	69.398	-2076	-2.078			
−	6029		5954			
B-6	63369					B-6 SPK & T
+	3603		3.511			
π	66.972	-2.006	2.007			
−	5.609		5.518			
B-7	61363					B-7 1" I.P. & Tag
+	3474		3.379			
π	64.837	-2.665	-2.664			
−	6.139		6043			
B-8	58.698					B-8 SPK & T.

JOB NO. 0021.08 SURVEY OF PUERCO CN SLIDE AREA NOTES RED.
SURVEY BY G.E. DREIER DATE
NOTES BY MOODY DATE 3-8-62 NOTES CHKD.
INDEXED H. E. OTT DATE DATE

F.B. 2341 Pg. 72

768420 353 8-49

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

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

(P)

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B-8	58.698					BM B-8 SPK & T
+	4555		4.478			
⊼	63253	-1.360	1.359			
−	5915		5837			
B-9	57338					BM B-9 SPK & T.
+	4559		4528			
⊼	61897	-1.295	1.292			
−	5854		5.820			
B-10	56043					BM B-10 1" I.P. & Tag
+	4407		4341			
⊼	60.450	-1.956	1.957			
−	6363		6.298			
B-11	54087					BM B-11 SPK & T.
+	3541		3.474			
⊼	57.628	-1.403	-1.403			
−	4944		4.877			
B-12	52684					B.M. B-12 1" I.P. & Tag
+	3.933		3.835			
⊼	56617	-5.080	5.082			
−	9.013		8.917			
B-13	47.604					B.M. B-13 SPK W & T.
+	1.845		1.763			
⊼	49449	-5.322	5.325			
−	7167		7.088			
T.P	42282					
+	9197		9101			
⊼	51.479	+7.737	7734			
−	1460		1367			
A-10	50019					BM A-10 1" I.P. & tag
						SEE PAGE 66

NOTES RED. ____ JOB NO. 002108 SURVEY OF PUERCO OR SLIDE AREA F.B. 2341 PG. 73
DATE ____ SURVEY BY GE DREIER
NOTES CHKD. ____ NOTES BY Moody DATE 3-8-62
DATE ____ INDEXED H. E. OTT DATE ____

Notes Ck'd by	Survey of PUERCO CN SLIDE
Map No	IN 0021.08 Tape 0/30 Std 68 °F
Office Work	Surveyed by G.E.DREIER
Checked	Notes G.E.D. Date 4-4-62
Date	Indexed H.E. OTT APR 9 1962

F. B. 2341 PG. 75

PUERCO CANYON SLIDE AREA

JOB NO. 0021.08

levels.

CONTROL LINE "D" NORTH OF MALIBU ROAD AND WEST OF PRIVATE STREET

DREIER
MOODY π
LEGAULT π
VALDEZ H.C.
SMITH, N. H.C.
RODRIGUEZ, R.R. H.C.

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

Do not extend notes this side of this line.

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

76808 CE #247—7-59

F.B. 2341 Pg. 76

B-1 SEE PAGE 57
FD. 1" I.P.

1.	67°	23'	50"	1.	100	46	20
4.	269	34	40	4.	43	05	20
	67	23	40		100	46	20
6.	44	22	00	6.	244	38	60
	67	23	40		100	46	20

160.62 @ 60° = 160.60
OTHER CHAINING AT 68° & LEVEL - NO CORR.

38.31
BLOCK WALL
160.60
SET "X"
67° 23' 40"
100° 46' 20"
96.22
TRANSIT LINE "D"
D-1
SET 1" I.P. & TAG FLUSH
PVT. ST.
TRANSIT LINE "B"
D-2 SET 1" I.P. & TAG FLUSH
5' CHAIN LINK FENCE
15
45
4th POST FROM END OF FENCE
63.88
30
4th POST
B-7
172° 18' 25"
2'
fd.
D-3 SET 1" I.P. & TAG FLUSH
4-24-78
99.61
fd.
D-4 SET 1" I.P. & TAG FLUSH
4-24-78
No 4 25301
100.84

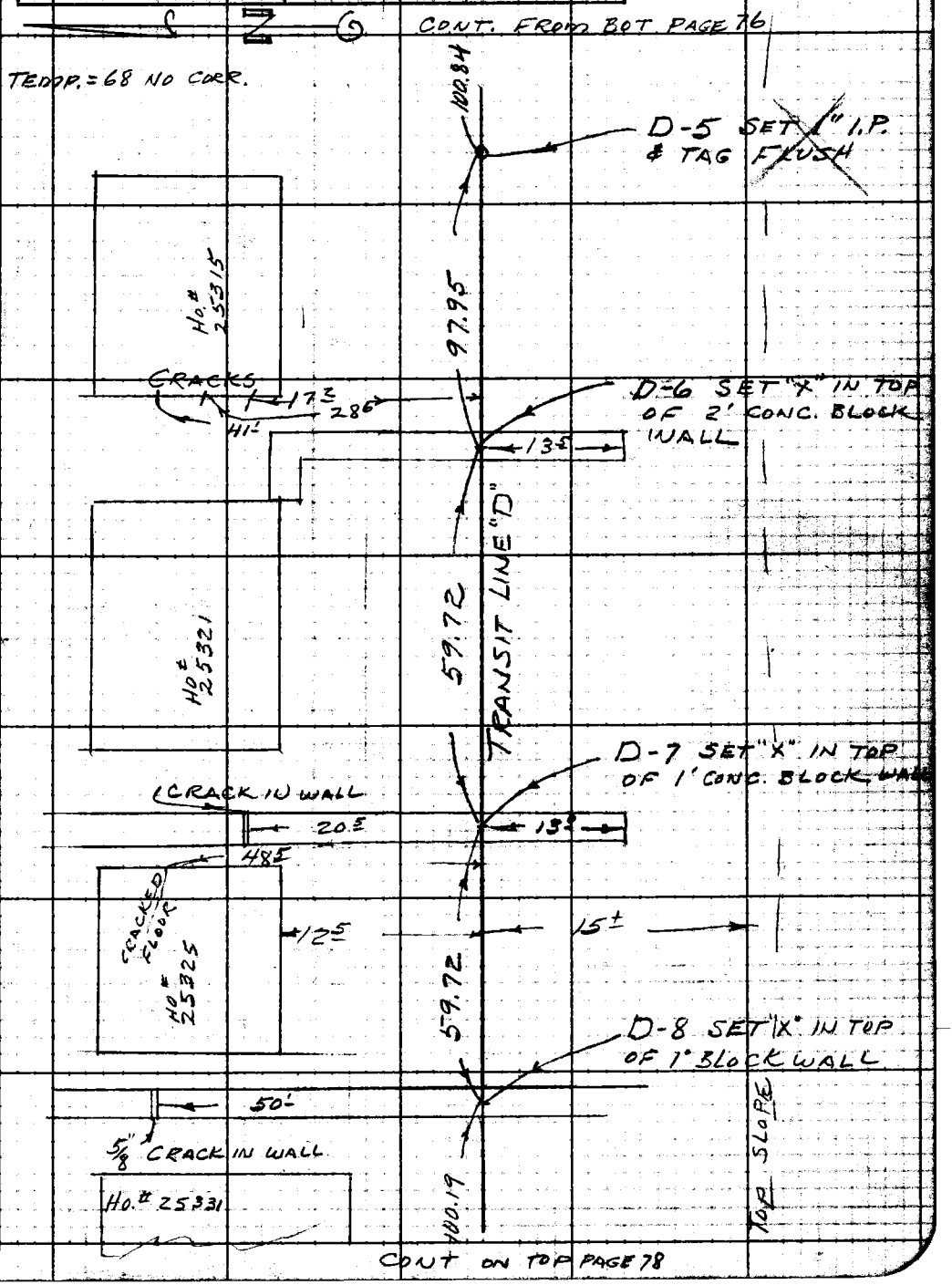
1.	172	18	10
4.	329	12	20
	172	18	05
6.	313	48	40
	172	18	06

CONT TOP PAGE 77

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

Notes Ck'd by	Survey of PUERCO CN SLIDE AREA
Map No.	0021.08 Tape 0130 Std 68 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D Date 4-5-62
Date	Indexed M. E. OTT 1 0 '62

F. B. 2341 PG. 77



CONT ON TOP PAGE 78

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

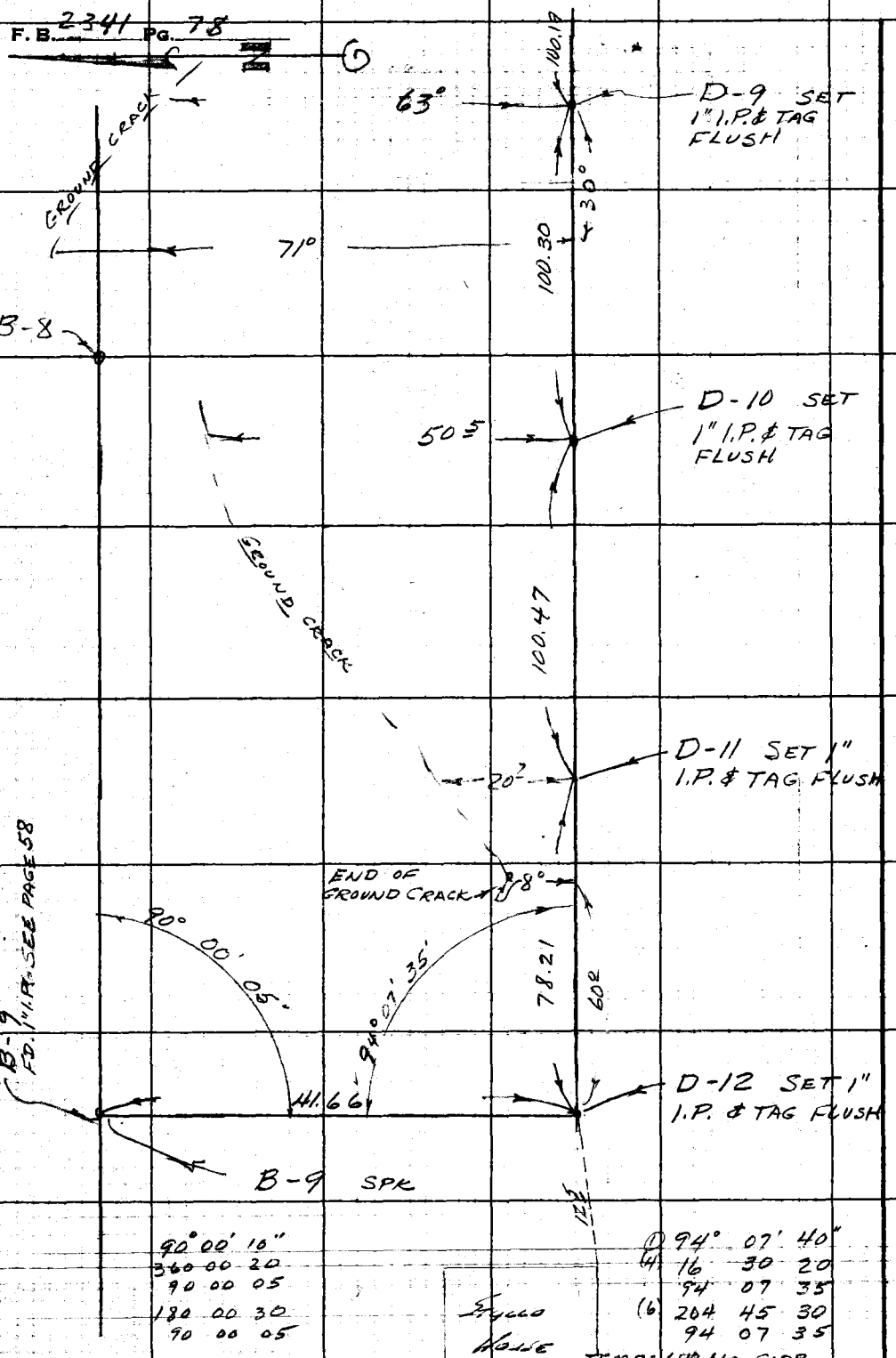
Do not extend notes this side of this line.

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

768098 CE #247—7-58

CONT. FROM TOP PAGE 77

F. B. 2341 Pg. 78



90° 00' 10"	(1)	94° 07' 40"
360 00 20	(4)	16 30 20
90 00 05		94 07 35
180 00 30	(6)	204 45 30
90 00 05		94 07 35

TEMP = 68° NO CORR.

END

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

Do not extend notes this side of this line.

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

768420 S & E-353 4-54

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

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

Do not extend notes this side of this line

NOTES RED. JOB NO 02108 SURVEY OF PUERCO CN SLIDE
DATE SURVEY BY G.E. DREIER
NOTES CHKD. NOTES BY G.E.D. DATE 4-5-62
DATE INDEXED H.E. OTT DATE 4.10.62

F.B. 2341 PG. 79

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B-1	75.938					B-1 PRELIM. ELEV. 75.938 PER A.B. 2341-72
+	1.828		1.899			1" I.P.
⊼	77.766	-5.035	5.035			
−	6.863		6.934			
B-1A	70.903					B-1A EL. 70.906 PER F.B. 2341-72
+	3.488		3.421			
	74.391	-0.718	0.716			
−	4.206		4.137			
D-1	70.185					D-1
+	4.374		4.318			1" I.P. FLUSH
⊼	74.559	-1.202	-1.203			
−	5.576		5521			
D-2	68.983					D-2
+	4.917		4.868			1" I.P. FLUSH
⊼	73.900	-0.546	45			
−	5.463		5.413			
D-3	68437					D-3
+	4.241		4.151			1" I.P. FLUSH.
⊼	72.678	-2.027	2.026			
−	6.268		6.177			
D-4	66.410					D-4
+	4.523		4.467			1" I.P. FLUSH
⊼	70.933	-0.643	-0.641			
−	5.166		5.108			
D-5	65.767					D-5
+	4.116		4.042			1" I.P. FLUSH
⊼	69.883	-0.930	0.930			
−	5.046		4.972			
D-6	64.837					D-6 "X" IN WALL

768420 S & E-353 4-54

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

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

Do not extend notes this side of this line

JOB NO. 0021.08 SURVEY OF POERCO CN SLIDE AREA NOTES RED
SURVEY BY G.E. DREIER DATE
NOTES BY G.E.D. DATE 4-5-62 NOTES CHKD.
INDEXED H. E. OTT DATE DATE

F. B. 2341 PG. 80

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION		
D-6	64.837					CONT.		
+	3.055		3.026					
⊼	67.892	-1.712	-1.711					
−	4.767		4.737					
D-7	63.125					D-7		
+	3.888		3.824			"X" IN TOP CONC BLOCK WALL		
⊼	67.013	-0.116	-0.115					
−	4.004		3.939					
D-8	63.009					D-8		
+	3.692		3.631			"X" IN TOP OF CONC. BLOCK WALL		
⊼	66.701	-2.441	2.438					
−	6.133		6.069					
D-9	60.568					D-9		
+	3.586		3.617			1" I.P. FLUSH		
⊼	64.154	-0.981	0.982					
−	4.567		4.599					
D-10	59.587					D-10		
+	4.048		4.105			1" I.P. FLUSH		
⊼	63.635	-0.551	0.550					
−	4.599		4.655					
D-11	59.036					D-11		
+	3.924		3.883			1" I.P. FLUSH		
⊼	62.960	-0.603	0.602					
−	4.527		4.485					
D-12	58.433					D-12		
+	4.609		4.618			1" I.P. FLUSH		
⊼	63.042	-1.097	1.096				5.053	5.096
−	5.706		5.714				1.294	-1.292
B-9	57.336					B-9 PREL. ELEV 57.338	6.347	6.388
	-1.293					PER F.B 2341-73		
B-10	56.043					[illegible] 56.043		

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

Survey of Escondido Beach LS
W. O. 0021.82 Tape No. 140 Std. 89 °F
Surveyed by M.A. VanDeren
Notes Van Date 4-11-58
Indexed C. Johnson

F. B. 2341 Pg. 91

W5 12-C4

J.N. 0021.82

ESCONDIDO BEACH LANDSLIDE

in

LATIGO CANYON AREA

4-11-58
M.A. VanDeren
V. Anderson
J. Bazen
R. Turrill

See FB 3161-134 for traverse between "91" & West Escondido Beach station "B-2" 3-6-68 RCW

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

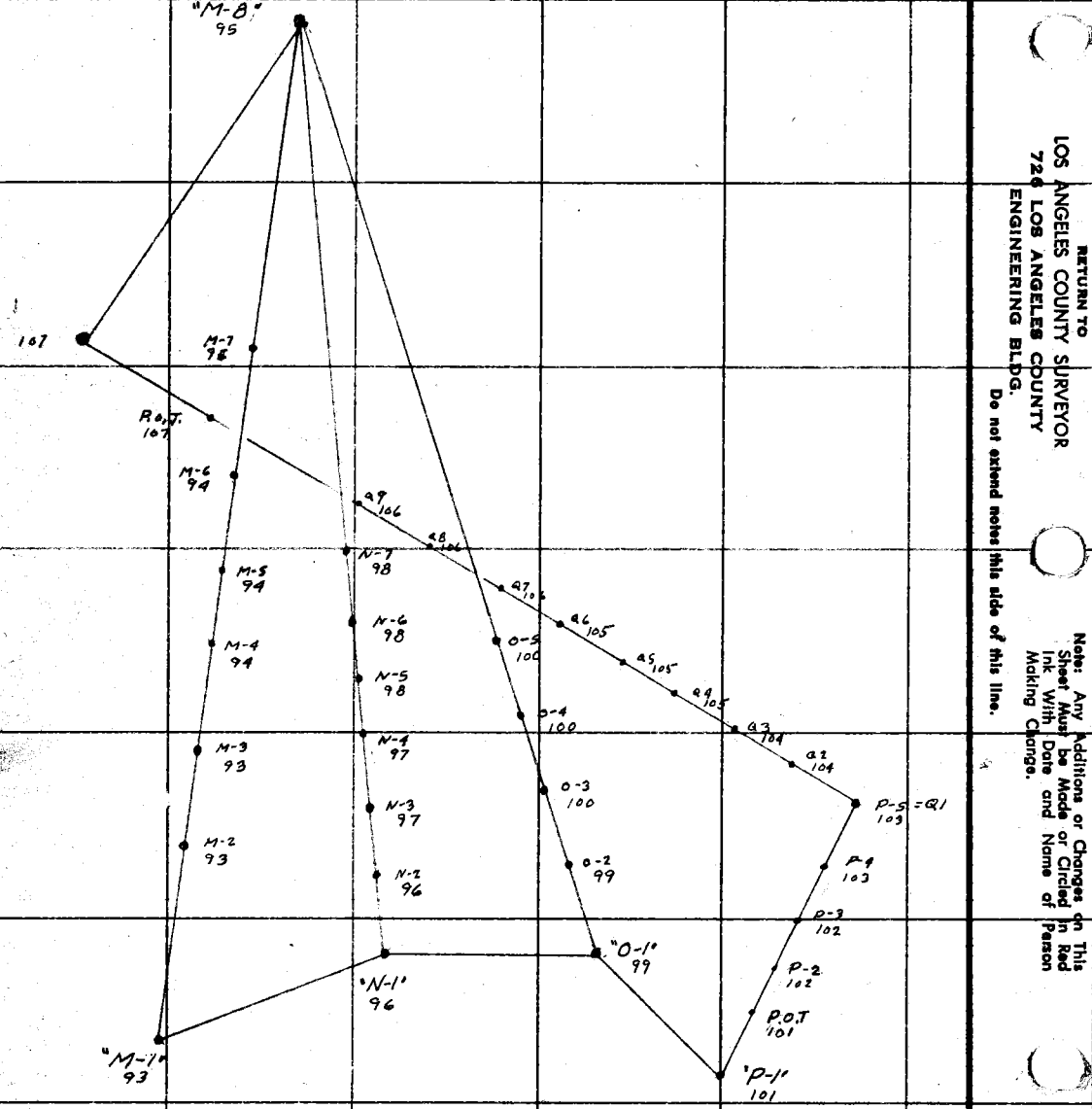
Do not exceed, notes this side of this line.

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

76F3098 S&E #249 8-54

F.B. 2341 Pg. 92

INDEX



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

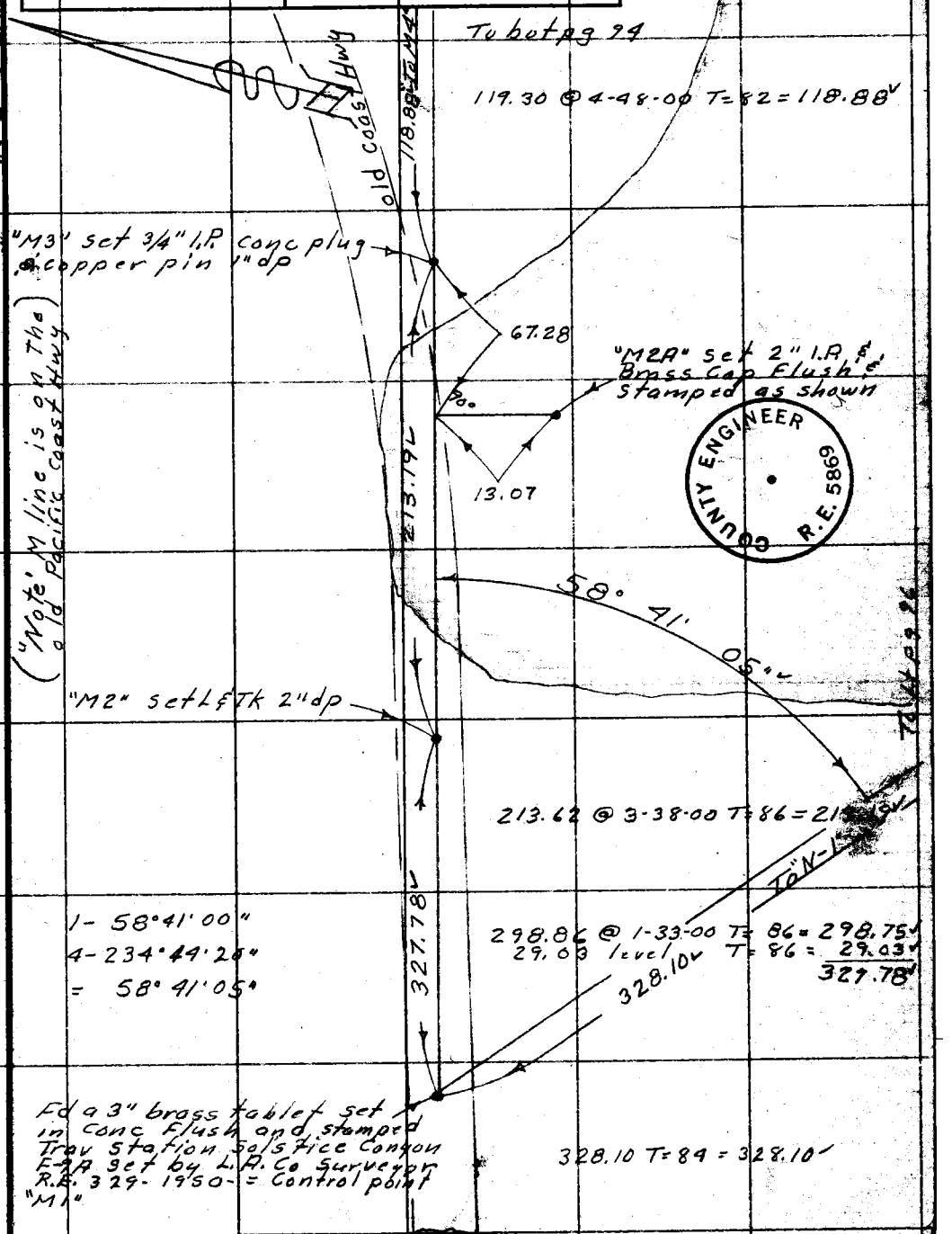
Do not extend notes this side of this line.

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

Notes Ck'd by Goss	Survey of Escondido Beach LS
Map No.	W. O. 0021.82 Tape No. 140 St'd. 84 °F
Office Work	Surveyed by M.A. Van Deren
Checked	Notes Van Date 4-11-58
Date	Indexed C. Johnson

F.B. 2341 Pg. 93

W.S. 92 C-4



COUNTY ENGINEER R.E. 5869

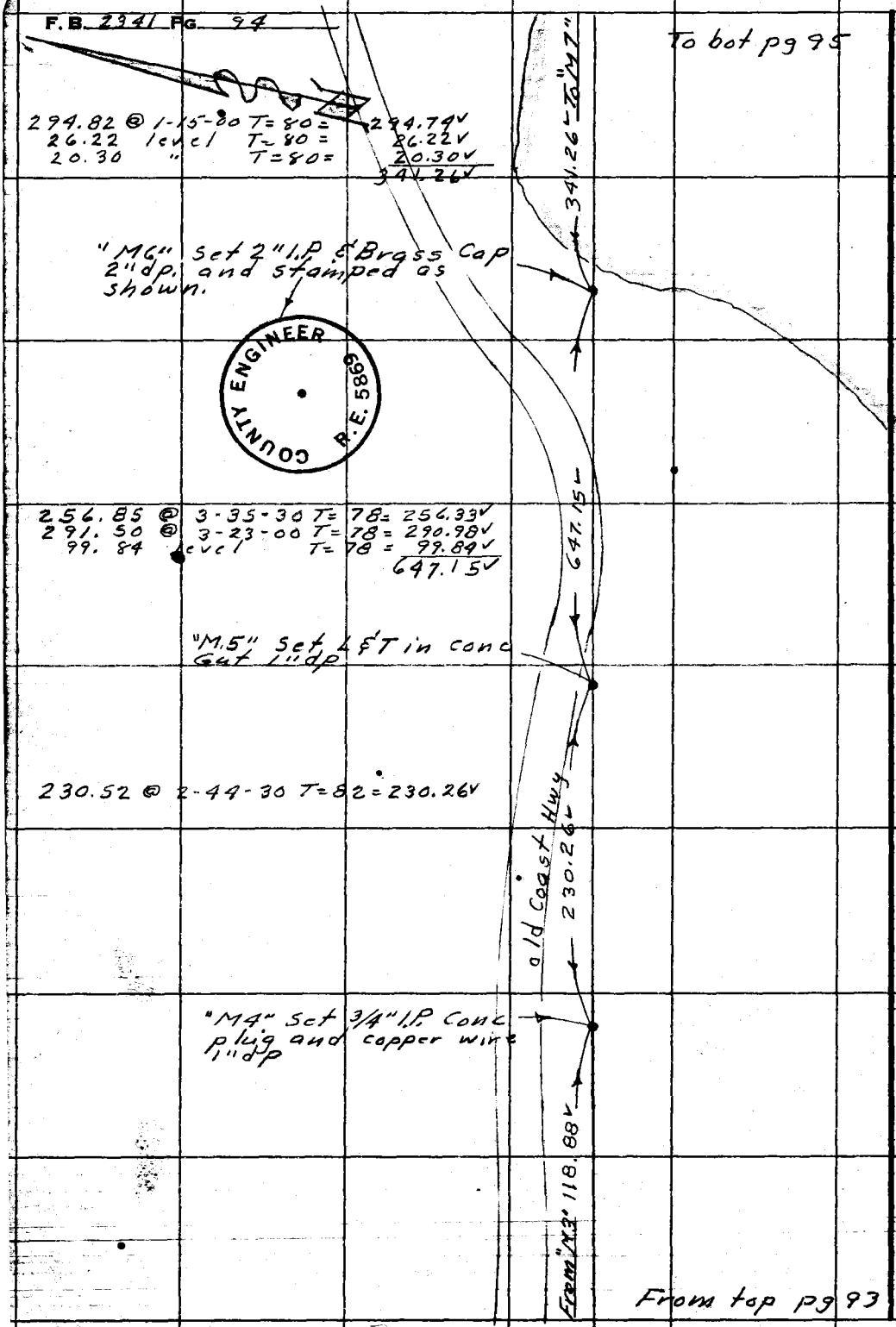
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

76F309S S&E #247. 6-54

F.B. 2341 PG. 94



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

Do not extend notes this side of this line.

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

Notes Ck'd by Goss	Survey of Escondido Beach LS
Map No.	W. O. 0021.82 Tape No. 140 St'd. 84 °F
Office Work	Surveyed by M. A. Van Deren
Checked	Notes Van Date 4-11-58
Date	Indexed C. Johnson

F. B. 2341 Pg. 95

WS 92 C-4

Fd a 3" brass tablet set in conc Flush and stamped. Traverse station Solstice canyon G.9A. set by Co Surveyor R.E. 329-1950 control point "M8". FB 1652-47

955.35 level T= 84=955.35

1-6°00' 30"
4-24°02' 00"
= 6°00' 30"

1-2°11' 30"
4-8°46' 00"
= 2°11' 30"

old coast Hwy

955.35

"M7" Set 2" I.P. and brass cap Flush and stamped as shown.

COUNTY ENGINEER R.E. 5869

From "M6" 341.26

6°00' ~~30"~~ 25" Adj

2°11' 30"

From "M7"

From "05"

From Top pg 94

From top pg 98

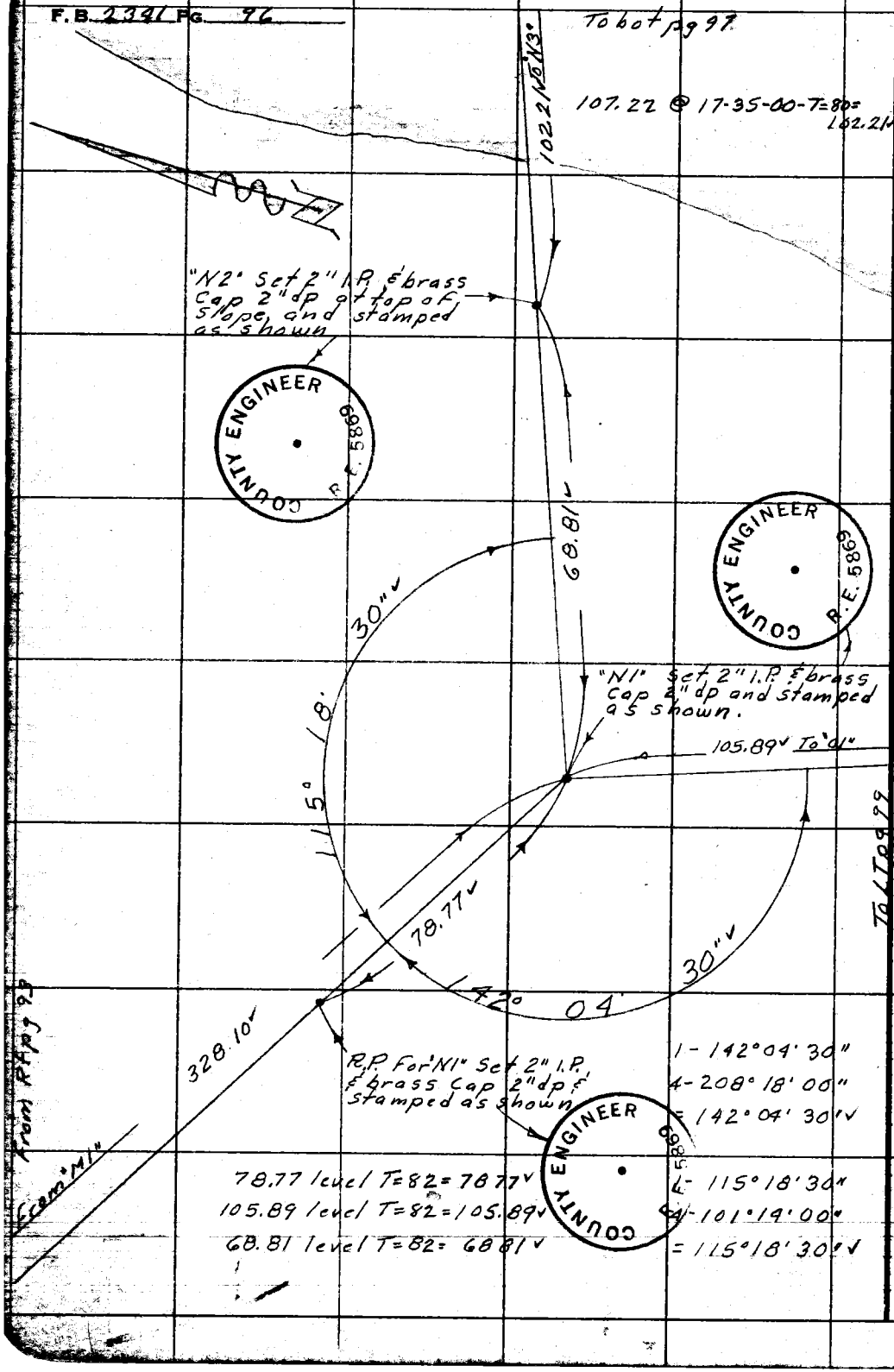
From Top pg 100

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

Do not extend notes this side of this line.

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

76F309S S&E #247. 8-54



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

Do not extend notes this side of this line.

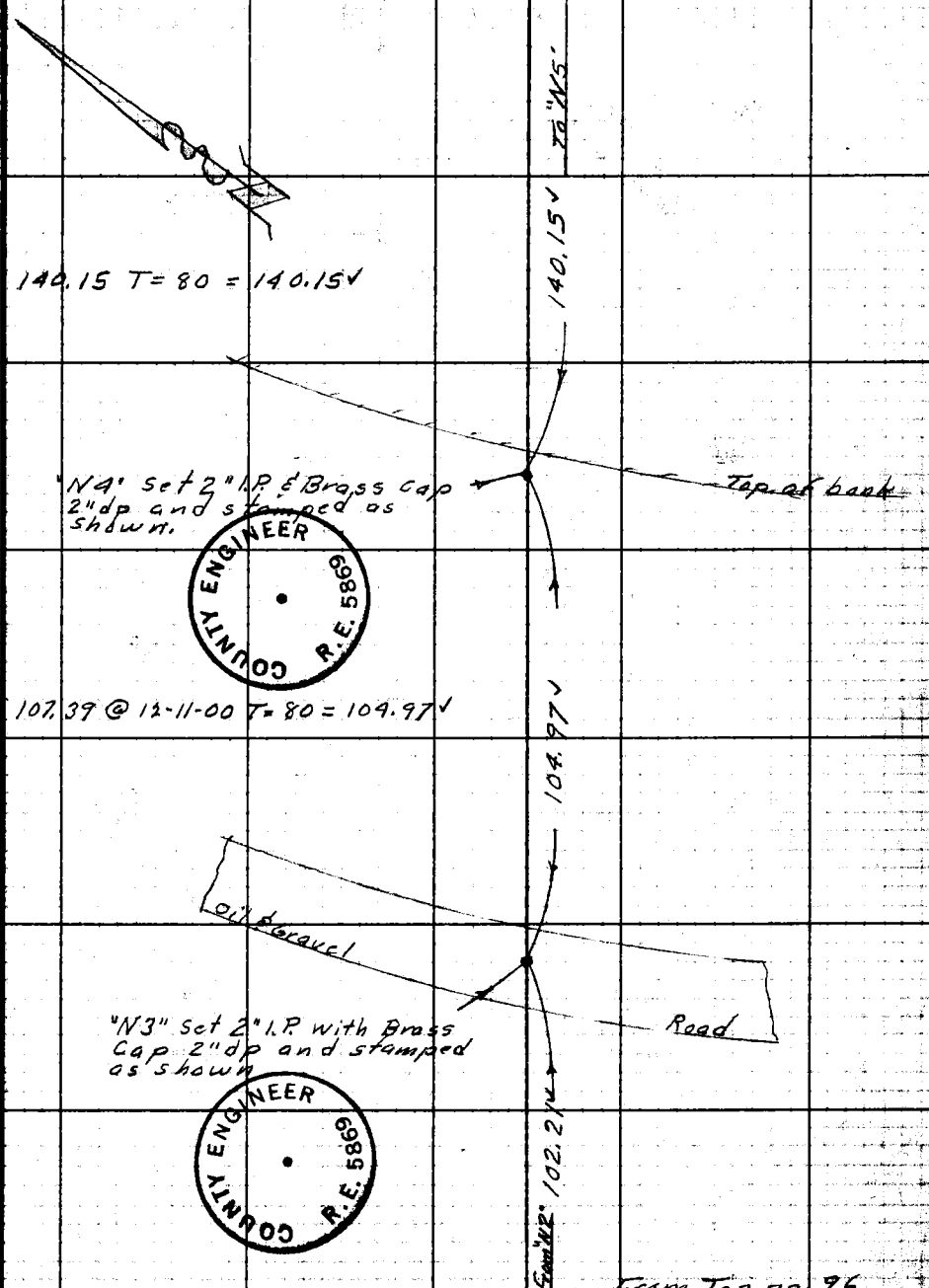
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by GOSS	Survey of Escondido Beach LS
Map No.	JN 0021.82 Tape 140 Std 84 °F
Office Work	Surveyed by M.A. Van Deren
Checked	Notes Van Date 4-15-58
Date	Indexed A. C. Johnson

F.B. 2341 Pg. 97

WS 92-C-4

To bot pg 98



From Top pg. 96

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

Do not extend notes this side of this line.

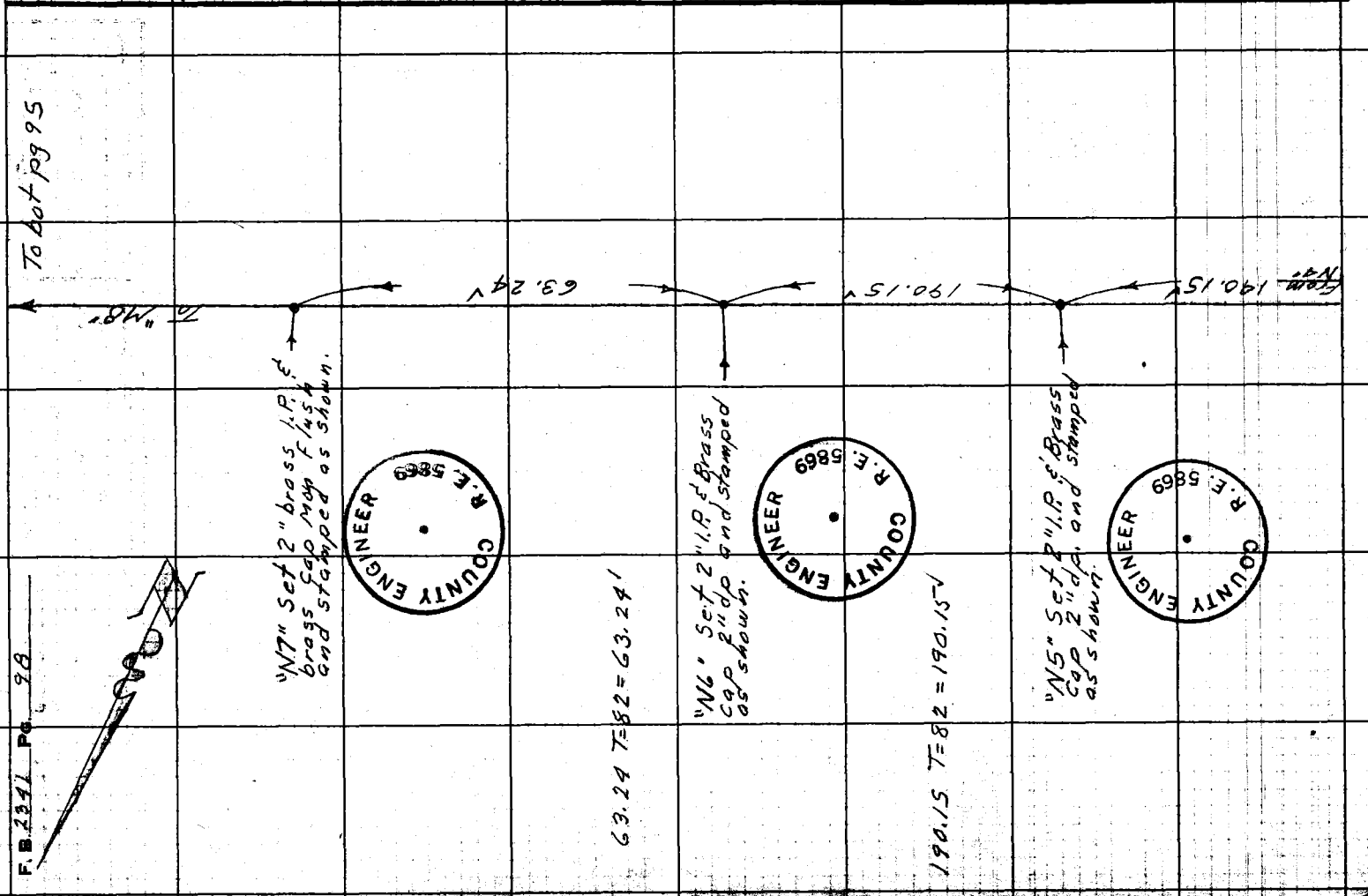
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CK #247—3-57

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

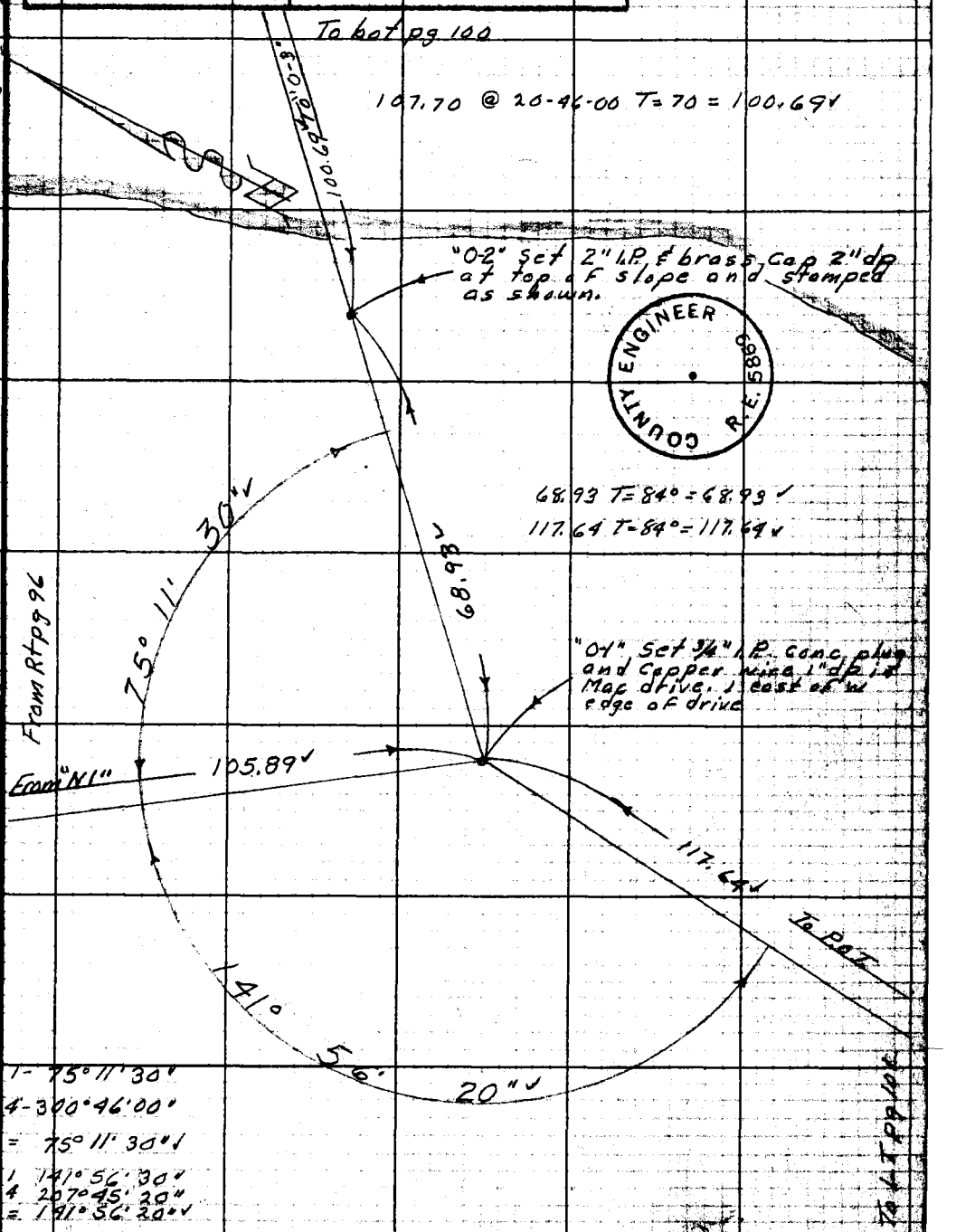
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.



Notes Ck'd by Goss	Survey of Escondido Beach LS	F.B. 2341 Pg. 99
Map No.	JN 0021.82 Tape 140 Std 84 °F	
Office Work	Surveyed by M.A. Van Deren	
Checked	Notes Van Date 4-15-58	
Date	Indexed A. C. Johnson	

WS 92-E-4



1- 75° 11' 30"
4- 300° 46' 00"
= 75° 11' 30"

1 141° 56' 30"
4 207° 45' 20"
= 141° 56' 20"

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

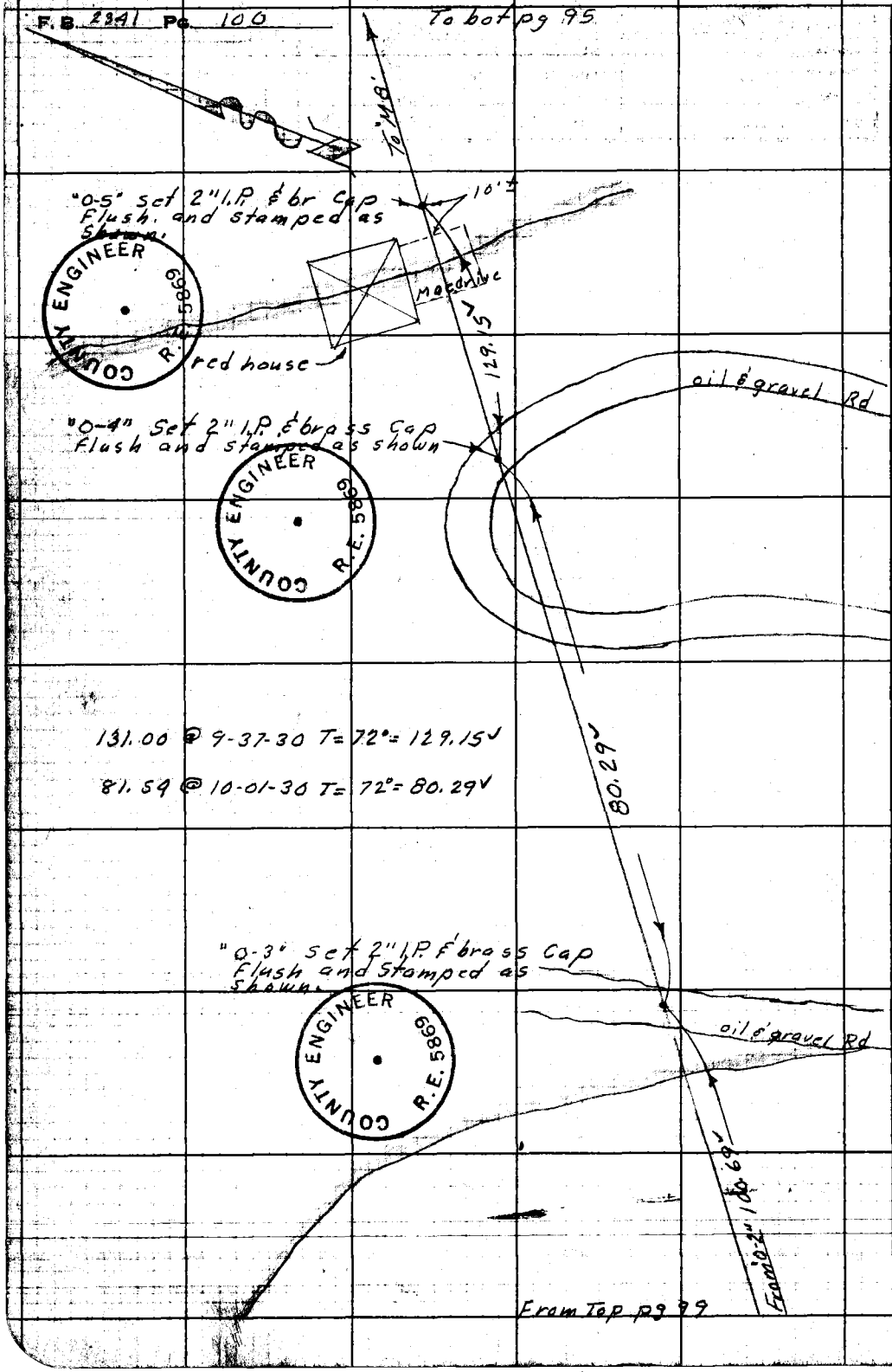
Do not extend notes this side of this line.

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

76F3098 CE #247—3-57

F.B. 2341 Pg. 100

To bot pg 95



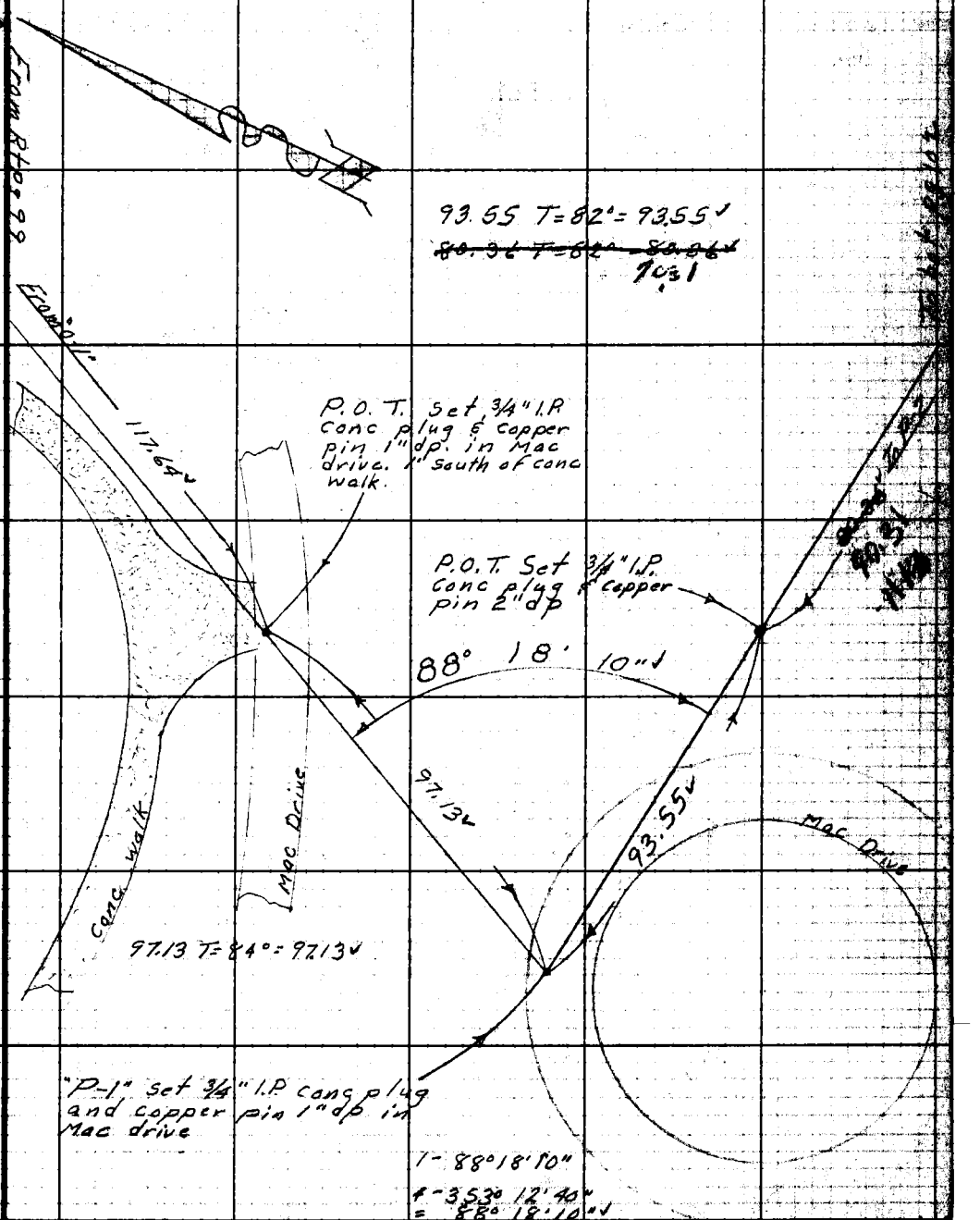
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Notes Ck'd by GOSS	Survey of Escondido Beach LS	F.B. 2341 Pg. 101
Map No.	JN 0021.82 Tape 140 Std 84 °F	
Office Work	Surveyed by M.A. Van Deren	
Checked	Notes Van Date 9-14-58	
Date	Indexed K. C. Johnson	

WS 92-C-4



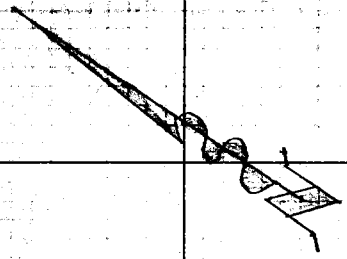
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

76F3095 CE #247—3-57

F. B. 2341 Pg. 102



To bot pg 103

51.05'

54.25 @ 19-48-00 T= 78 = 51.05'

"P-3" Set 2" I.P. conc plug & boat spk flush

6'±

Mac Drive

39.30'

42.52 @ 22-26-00 T= 78°-39.30'

"P-2" Set 2" I.P. with brass cap Flush and stamped as shown on brk in slope

Mac Drive

6'±

From Rt pg 101

COUNTY ENGINEER R.E. 5869

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

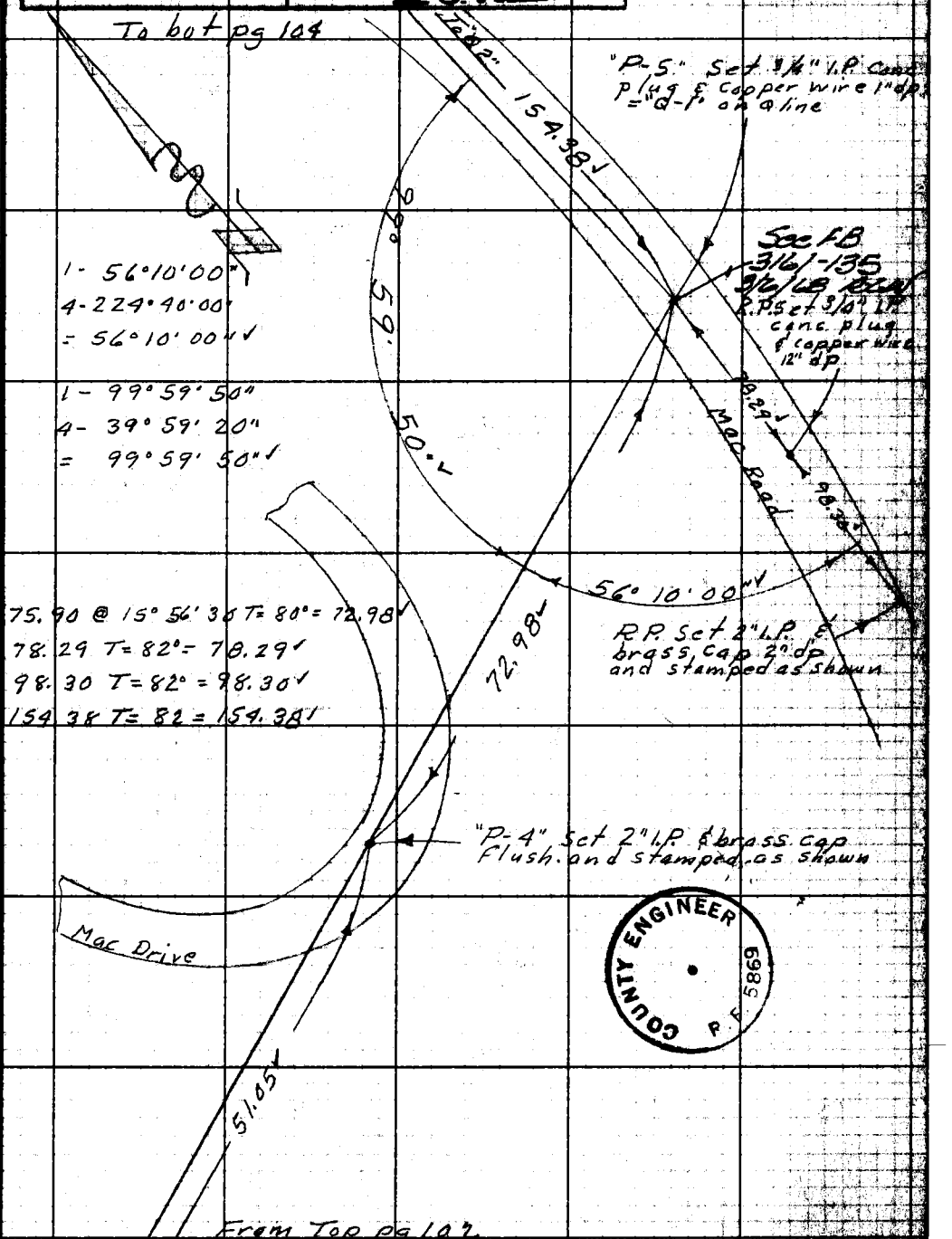
Do not extend notes this side of this line.

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

Notes Ck'd by Goss	Survey of Escondido Beach LS
Map No.	JN 0021.82 Tape 140 Std 84 °F
Office Work	Surveyed by M. R. Van Deren
Checked	Notes Van Date 4-21-58
Date	Indexed C. Johnson

F.B. 1341 Pg. 103

VYS 72-C-4



1 - 56°10'00"
4 - 224°40'00"
= 56°10'00"

1 - 99°59'50"
4 - 39°59'20"
= 99°59'50"

75.90 @ 15°56'30 T = 80° = 72.98
78.29 T = 82° = 78.29
98.30 T = 82° = 98.30
154.38 T = 82 = 154.38

COUNTY ENGINEER R.F. 5869

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

Do not extend notes this side of this line.

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

76F3095 CE #247—3-57

F.B. 2341 Pg. 104

To bot pg 105

120.75 T= 82 = 120.75 ✓

"Q3" Set 3/4" I.P conc plug & copper wire 1" dp

171.19 T= 82 = 171.19 ✓

"Q2" Set 3/4" I.P. conc plug and copper wire 1" dp

From top pg 103

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

Do not extend notes this side of this line.

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

Notes Ck'd by GOSS	Survey of Escondido Beach LS
Map No.	JN 0021.82 Tape 140 Std 84 °F
Office Work	Surveyed by M. A. VanDeren
Checked	Notes Van Date 4-21-58
Date	Indexed C. Johnson

F. B. 2341 Pg. 105

WS 92-C-4

To bot pg 106

97.90 T=82= 97.90'

97.90' To Q7

"Q6" Set L&T in conc pvt

89.20 T=82= 89.20'

89.20'

"Q5" Set L&T in conc pvt

104.24 T=82=104.24'

104.24'

Moc Road

"Q4" Set 3/4" I.P. conc plug & copper wire 1" dp

From Q3 120.75'

From Top pg 104

121.95
3.85

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

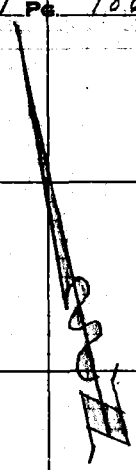
Do not extend notes this side of this line.

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

76F3095 CK #247—3-57

F.B. 2341 Pg. 106

To bot pg 107



302.48 To Bot

"Q9" Set 3/4" I.P. conc Plug and copper Wire 2" dp

107.94 T=74=107.93'

107.93'

Conc pvt

"Q8" Set 3/4" I.P. & conc plug & copper pin 2" dp

90.36 T=74°=90.35'

90.35'

"Q7" Set LET in conc pvt

87.90

From Top pg 105

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

Do not extend notes this side of this line.

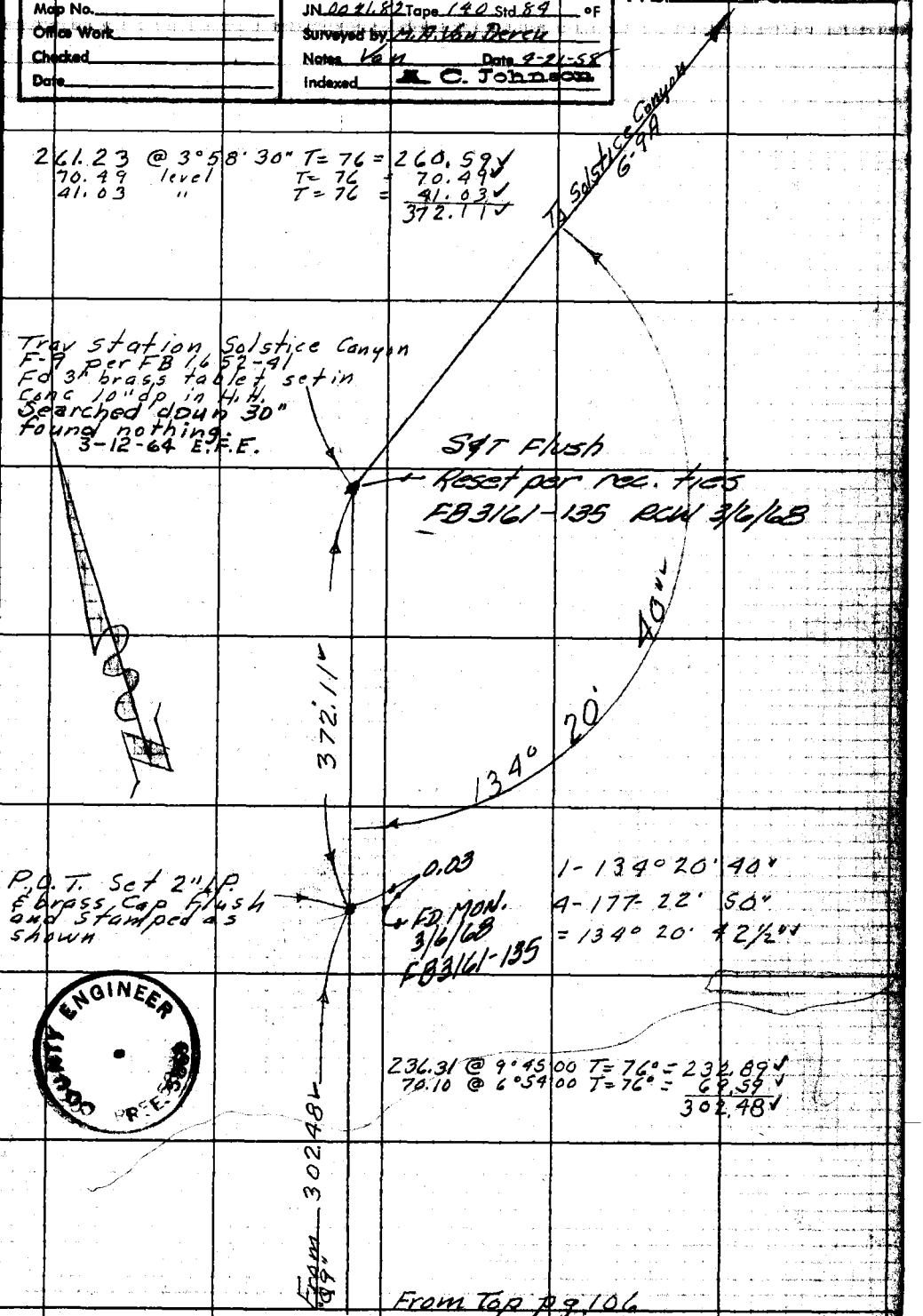
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by GOSS	Survey of Escondido Beach LS
Map No.	JN 0041.82 Tape 140 Std 89 °F
Office Work	Surveyed by M.A. Van Deren
Checked	Notes Van Date 4-21-58
Date	Indexed A. C. Johnson

F.B. 2341 Pg 107

WS 92-C-4

261.23 @ 3°58'30" T= 76 = 260.59✓
70.49 level T= 76 = 70.49✓
41.03 " T= 76 = 41.03✓
372.11✓



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

Do not extend notes this side of this line.

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

COUNTY ENGINEER PREE-5000

76F3095 CE #247—3-57

ESCONDIDO BEACH

Notes Ck'd by	Survey of LANDSLIDE	F.B. 2341 Pg. 109
Map No.	JN 0021.82 Tape Std °F	
Office Work	Surveyed by LINO	
Checked	Notes LINO Date 8-15-58	
Date	Indexed A. C. Johnson 8-20-58	

DISCRIPTION OF B.M. ESCONDIDO BEACH # 2

THIS B.M. IS IN L.A. COUNTY, IN THE ESCONDIDO BEACH AREA. TO ARRIVE AT B.M. FROM PACIFIC COAST HWY. & CORRAL CANYON RD., PROCEED WLY ON PACIFIC COAST HWY. ± 0.40 MI. TURN LEFT (SLY) ONTO LATIGO SHORE DR., PROCEED WLY 0.10 MI. TO "Y" IN RD. TAKE LEFT FORK (SLY) ONTO DIRT RD. & PROCEED ± 400' WLY TO BEG. OF MAC. PVMT. & ENTRANCE OF PRIVATE RD. THIS ENTRANCE CONSISTS OF TWO CONC. WALLS & WIRE GATE. THIS B.M. IS IN NLY CONC. WALL, ± 10° N. OF APPROX. CENTER OF LATIGO SHORE DR. & 6.0 SLY FROM NLY. END CONC. WALL. TOP OF WALL IS ± 2° ABOVE GROUND.

FD. A 3/8" THREADED BOLT W. & NUT IN TOP OF CONC. WALL UP 2".

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

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

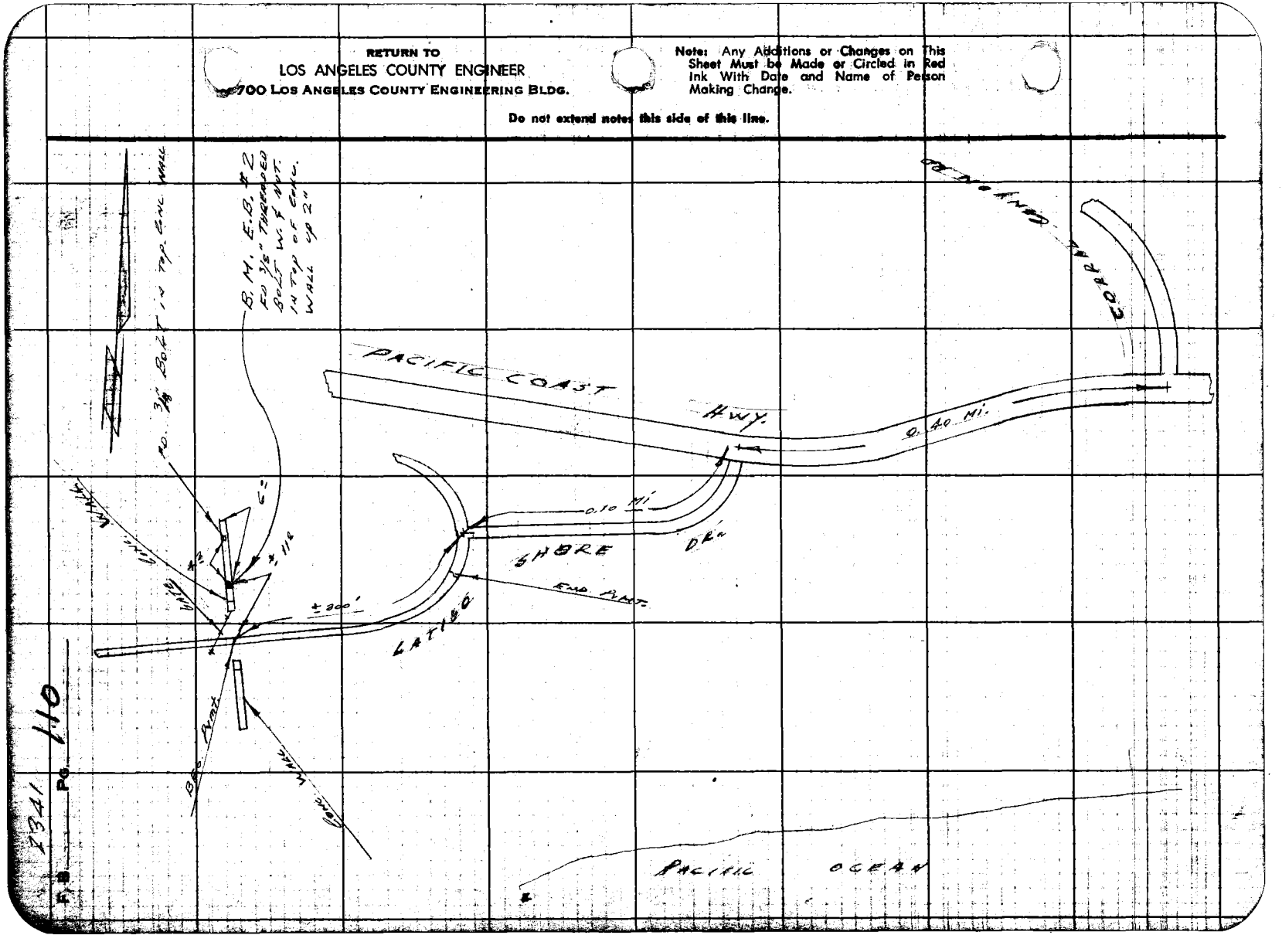
Do not extend notes this side of this line.

76F3095 CE #247—3-57

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

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

Do not extend notes this side of this line.



F.B. 2341 PG. 110

Notes Ck'd by	Survey of ESCONDIDO BEACH SLIDE F. B. 2341 Pg. 111
Map No.	JN 0021.81 Tape 162 Std. 84 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D. Date 2-20-62
Date	Indexed H. E. OTT MAR 21 62

ESCONDIDO BEACH SLIDE AREA

JOB NO 0021.82

CONTROL LINE AND TIE TO L.A.CO.
SURVEY CONTROL SYSTEM TRAVERSE LINE

LEVELS - PAGES 117 TO 121

See FB 3164-134 for traverse between "B-2" & "9-1"
3-6-63 RCW

DREIER
MOODY
SMITH, N.
VALDEZ
RODRIGUEZ, R.R.
WORKMAN

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

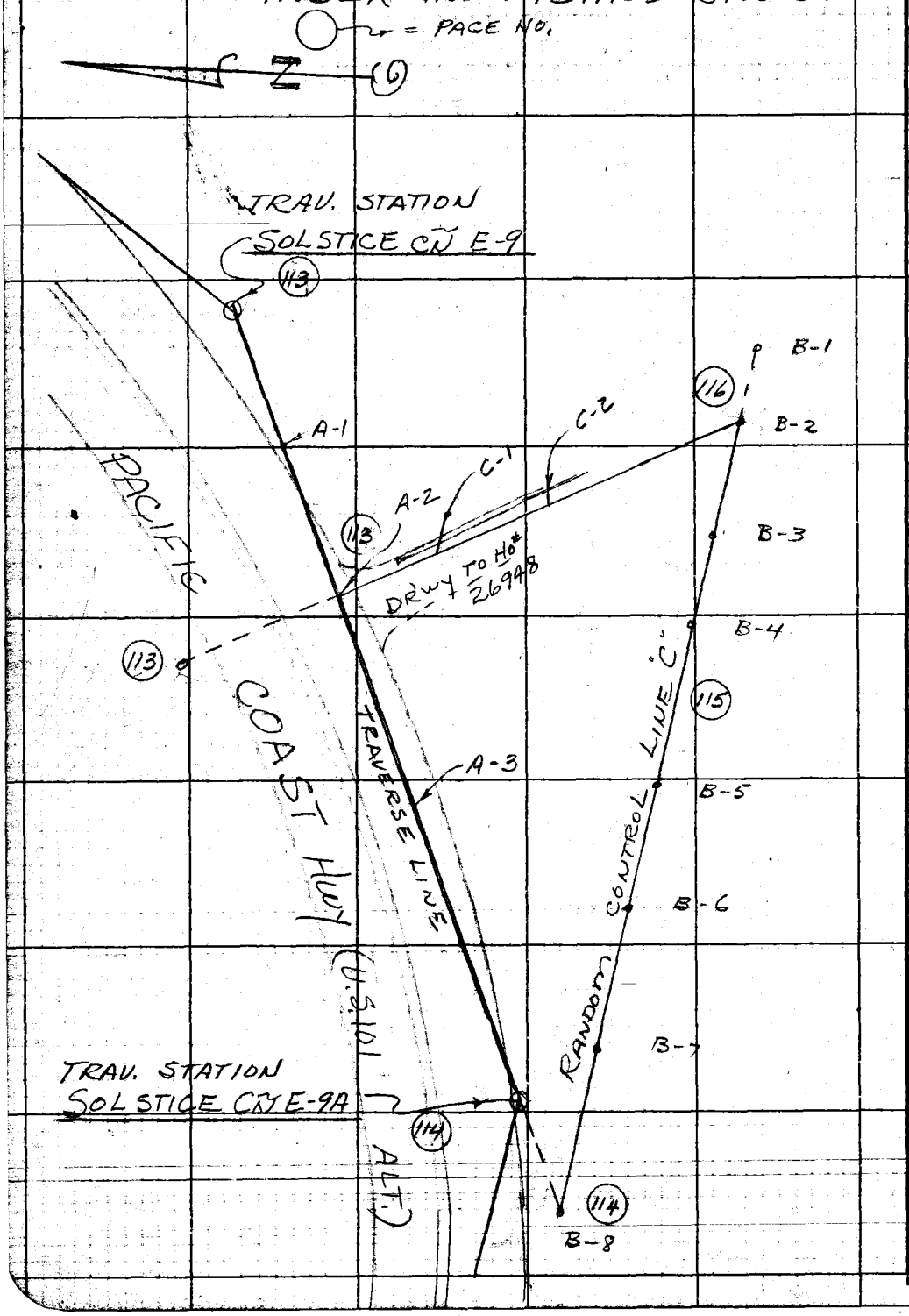
Do not extend notes this side of this line.

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

783095 CE #247—7-58

F.B. 2341 PG. 112

INDEX AND METHOD SKETCH



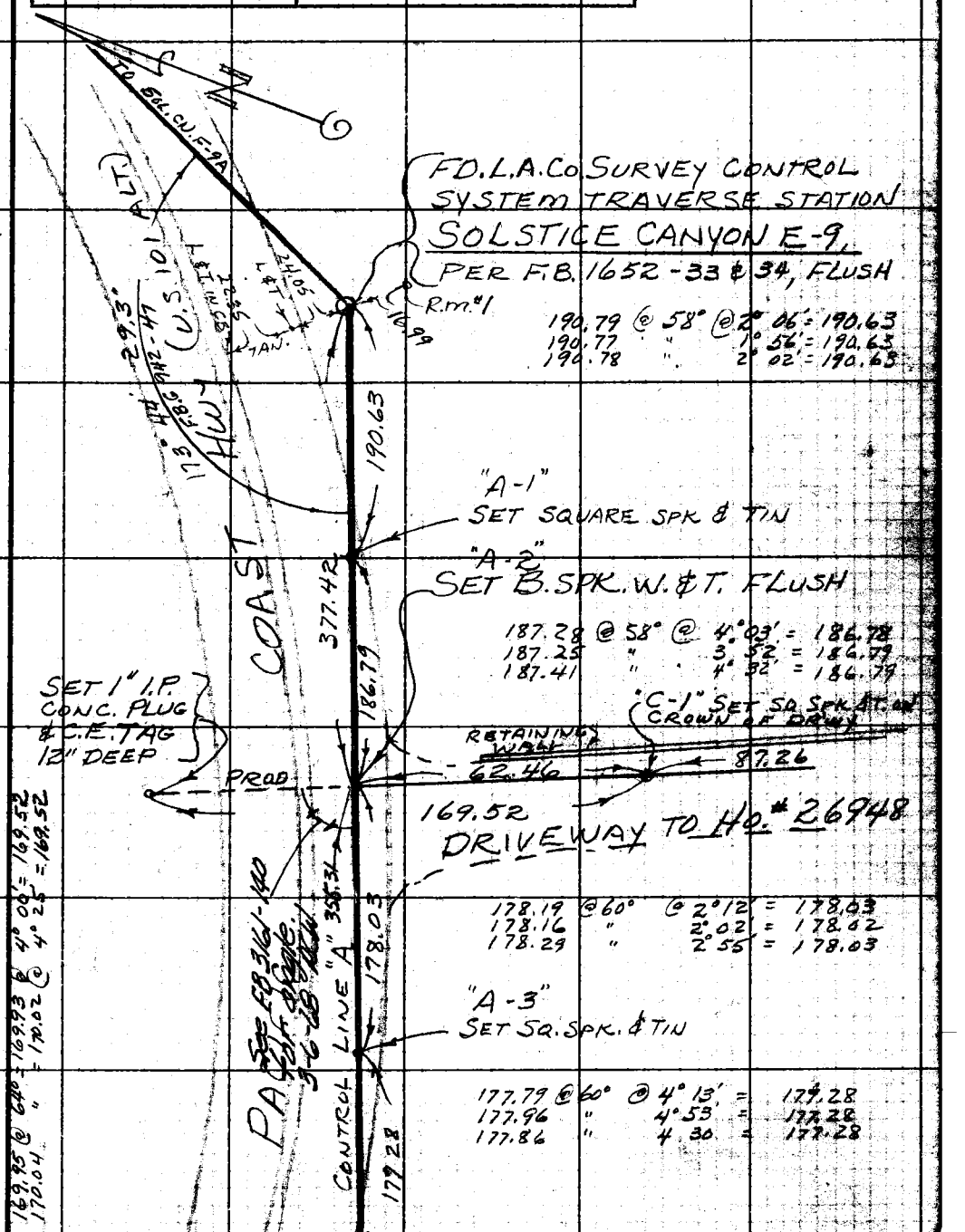
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Notes Ck'd by	Survey of ESONDIDO BEACH SLIDE AREA
Map No.	JN 00 21.82 Tape 167 Std 84 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D. Date 2-21-62
Date	Indexed H. E. OTT

F.B. 2341 PG. 113



CONT. ON TOP PAGE 114

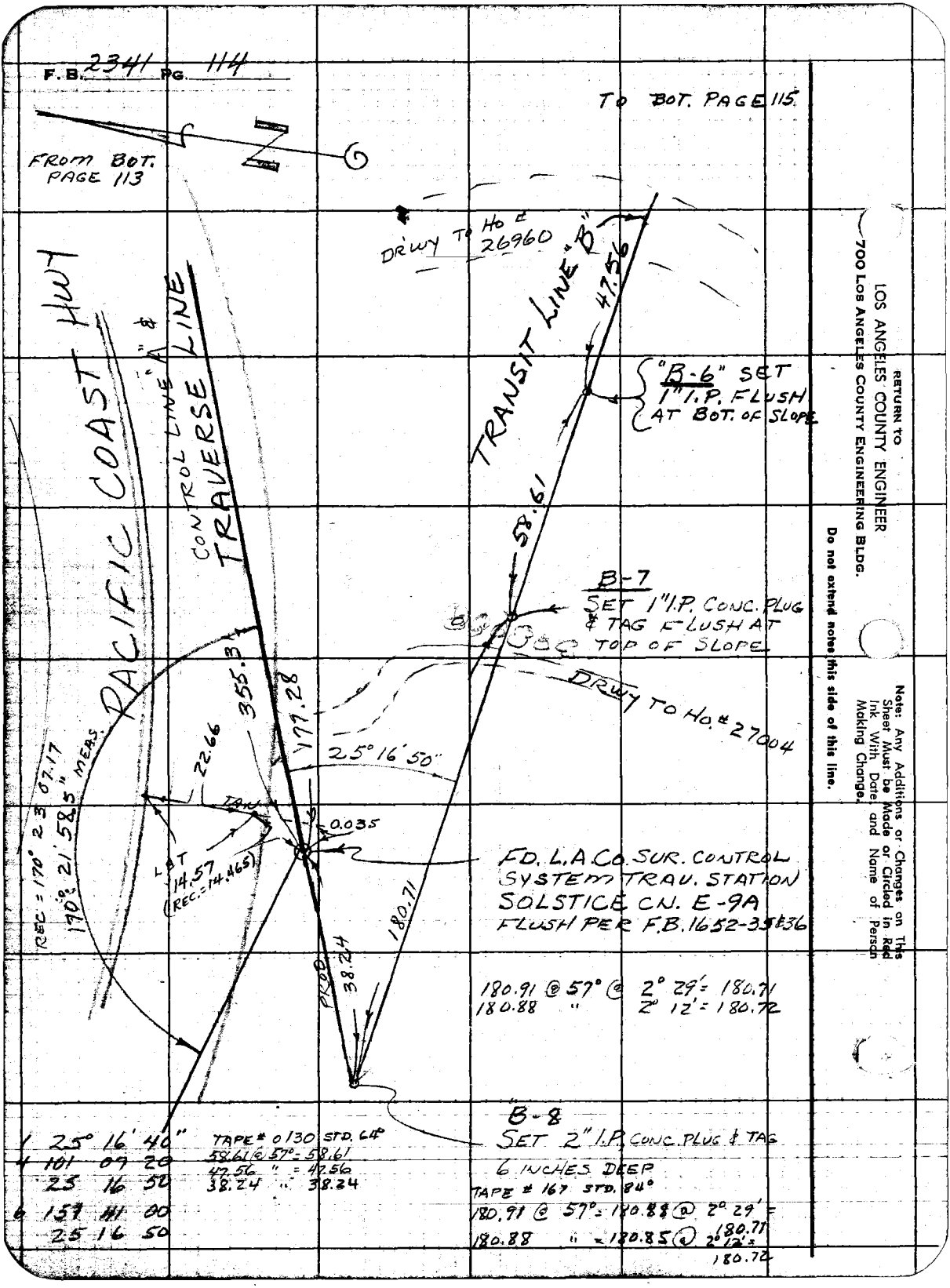
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

763095 CE #247—7-53

F.B. 2341 PG. 114



1	25°	16'	40"	TAPE # 0130 STD. 64°
4	101	09	20	58.61 @ 57° = 58.61
	25	16	52	47.56 " = 47.56
				38.24 " = 38.24
6	157	111	00	
	25	16	50	

180.91 @ 57° @ 2° 29' = 180.71
180.88 " 2° 12' = 180.72

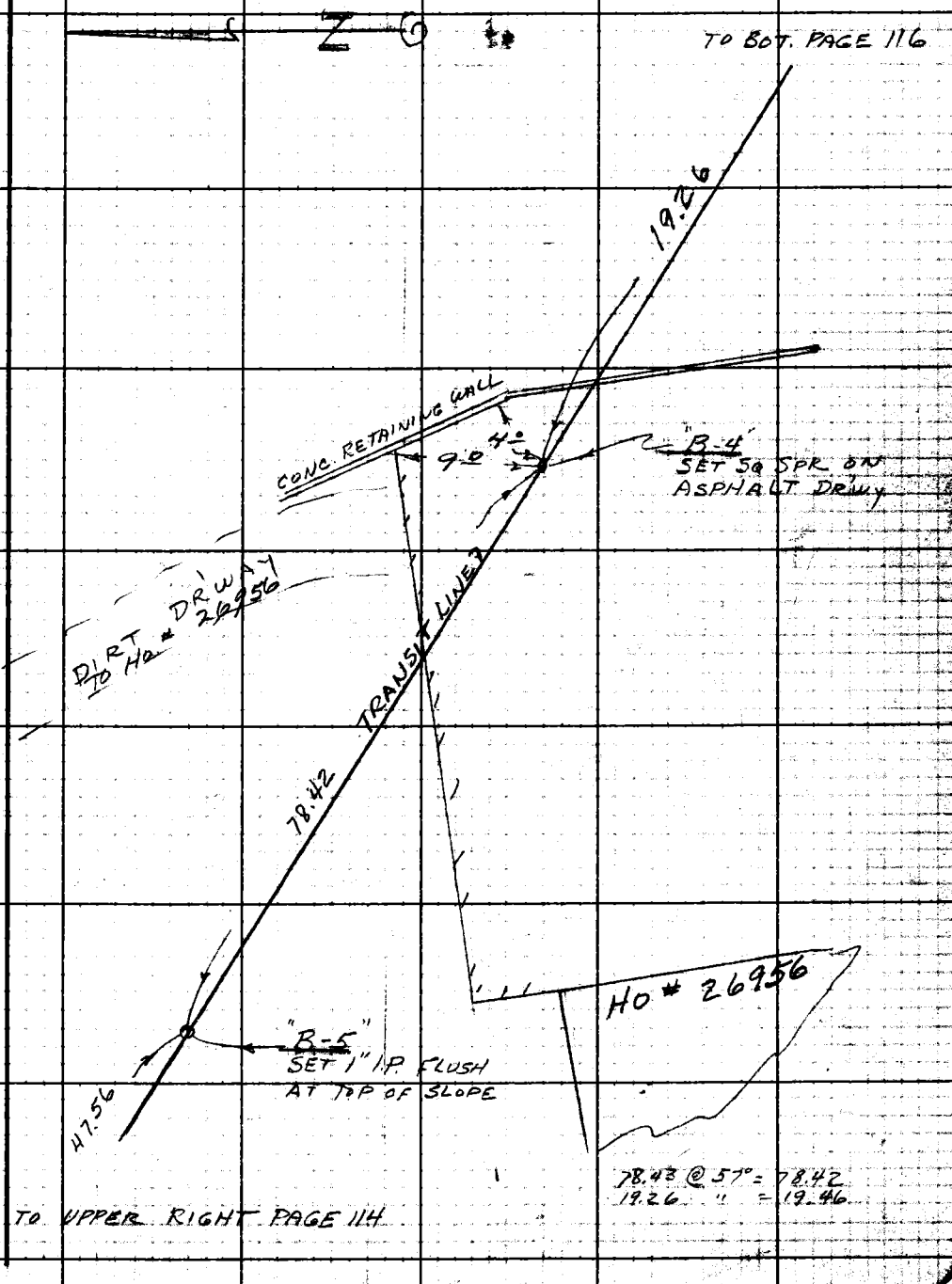
TAPE # 167 STD. 84°
180.91 @ 57° = 180.88 @ 2° 29' = 180.71
180.88 " = 180.85 @ 2° 12' = 180.72

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of ESCONDIDO BEACH SLOPE AREA F. B. 2341 PG. 115
Map No.	IN 0021.82 Tape 0130 Std 68 °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D Date 2-21-62
Date	Indexed H. E. OTT



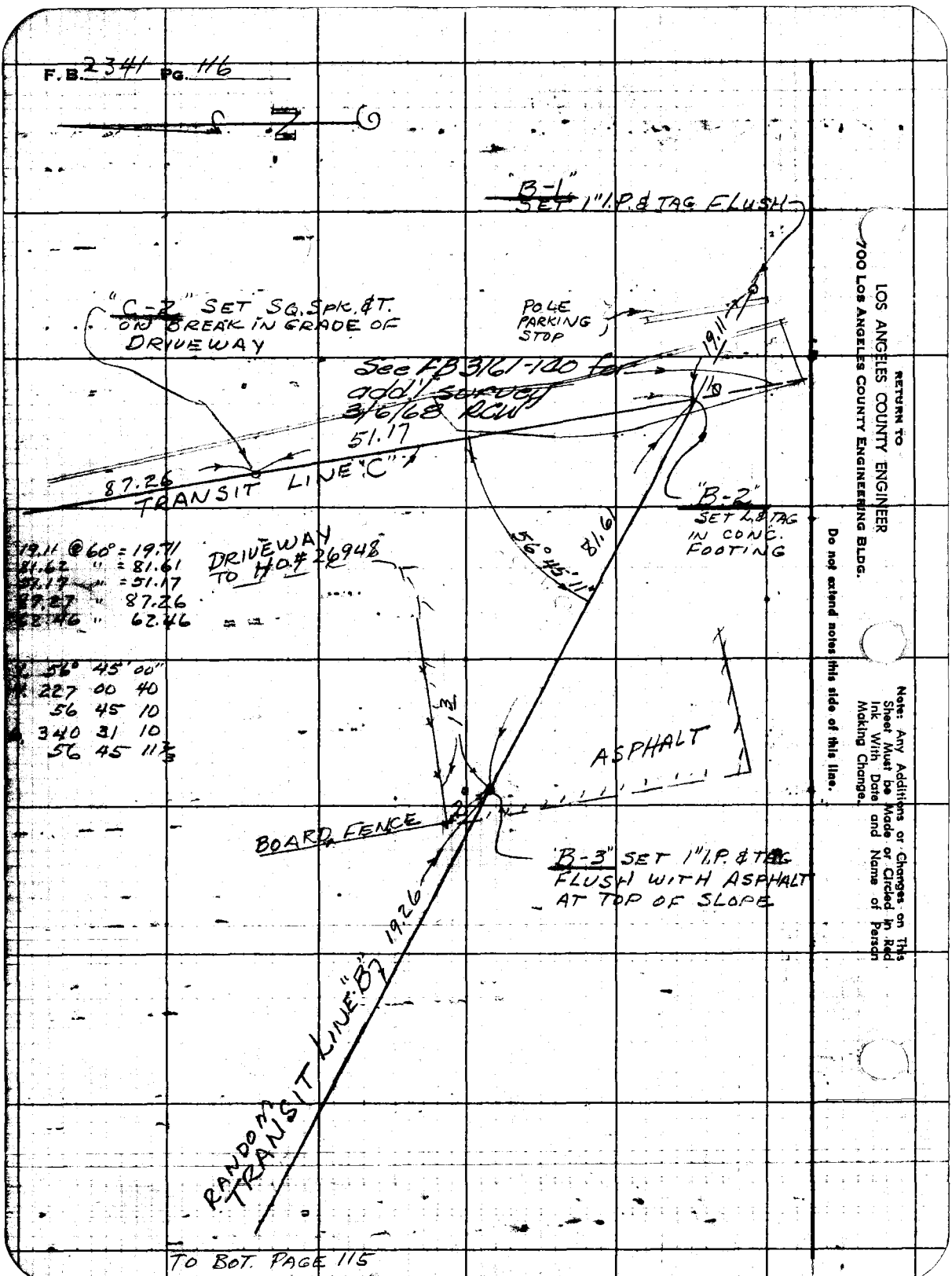
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

763098 CE #247—7-53

F.B. 2341 Pg. 116



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

Do not extend notes this side of this line.

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

768420 353 8-49

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

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

(P)

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 48-103	120.070				120.070	B.M. 48-103 (SOLSTICE CN E-9) F.B. 1369-86
+	1.124		1.400			PAC. COAST HWY, 0.35 MI. W. OF LATIGO
⊼	121.194	-9.614	9.612			CN. RD. 46.3 FT. SLY OF L.&T. IN S. CB.
−	10.738		11.012			OF HWY DIVIDER STRIP AT HWY STA.
						± 702+25.5, 23.0 S. OF S. EDGE OF
						CONC. PAV., A STD CO. SUR. CONTROL
						SYSTEM TRAV. STA. IN CONC. FLUSH
						(1960 PRELIMINARY ELEV. 120.070)
"A-1"	110.456					"A-1" SQ SPK&T. IN PAV. PER
+	1.290		0.684			F.B.
⊼	111.746	-10.650	10.654			
−	11.940		11.338			"A-2" B. SPK. W&T AT DRWY. TO 40 ft. 26946
"A-2"	99.806					
+	0.862		0.697			
⊼	100.668	-10.528	10.523			
−	11.390	~~10.528~~	11.220			
A-3	89.278					A-3 SQ SPK &T IN PAV.
+	0.192		0.217			
⊼	89.470	-11.762	-11.762			
−	11.954		11.979			PRELIM. 1960 ELEV. = 77.477
B.M. 48-104	77.516					B.M. 48-104 (SOLSTICE CN E-9A)
						PAC. COAST HWY., 0.5 MI. W. OF LATIGO
						CN. RD., & 0.25 MI. E. OF ESCONDIDO
						CR., AT HWY STA. ± 694+90.4, 37.12
						SLY OF L.&T. IN SLY CB OF DIVIDING
						STRIP, 14.5 SLY OF EDGE OF CONC.
+	3.694					PAV., A STD. CO. SUR. CONTROL TRAV. STA.
⊼	81.210					FLUSH F.B. 1369-87
−	5.705					
B-8	75.505					B-8 2" I.P., 38 FT W. OF SOL. CN. E-9A

NOTES RED. ____ JOB NO. 0021.82 SURVEY OF ESCONDIDO SLIDE AREA
DATE ____ SURVEY BY G.E. DREIER
NOTES CHKD. ____ NOTES BY G.E.D. DATE 3-5-62
DATE ____ INDEXED H. E. OTT DATE ____ DATE ____

F.B. 2341 PG. 117

765420 353 8-49

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

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

Do not extend notes this side of this line

JOB NO. 002182 SURVEY OF ESCONDIDO BEACH SLIDE AREA NOTES RED.
SURVEY BY G.E.D. DATE 3-5-62 NOTES CHKD.
NOTES BY G.E.D. DATE
INDEXED H.E. OTT DATE
F.B. 2341 PG. 118

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B-8	75.525					CONT.
+	2.454					
↑	77.959					
−	7.968					
B-7	69.991					"B-7" 1" I.P. E. SIDE DRWY TO Ho. # 27004
+	4.873					
↑	74.864					
−	3.846					
B-6	71.018					"B-6" 1" I.P. W. SIDE OF DRWY TO Ho # 26960
+	11.550					
↑	82.568					
−	0.594					
T.P.	81.974					
+	8.124					
↑	90.098					
−	7.533					
B-5	82.565					"B-5" 1" I.P. E. SIDE DRWY TO Ho # 26960
+	5.152					
↑	87.717					
−	3.281					
B-4	84.436					"B-4" Sq. SPK. N ELY OR ASPHALT IN FRONT OF Ho #
+	11.779					
↑	96.215					
−	0.657					
B-3	95.558					B-3 1" I.P. IN N.W. COR ASPHALT PARKING AREA
+	6.050					
↑	101.608					
−	6.390					
B-2	95.218					B-2 L.& TAG IN EDGE OF CONC. ROPTING

768420 353 8-45

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

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

Do not extend notes this side of this line

NOTES RED. JOB NO. 0021.82 SURVEY OF ESCONDIDO BEACH SLIDE AREA
DATE SURVEY BY G.E. DREIER DATE 3-5-62
NOTES CHKD. NOTES BY C.E.D. DATE
DATE INDEXED H.E. OTT DATE

F.B. 2341 PG. 119

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	95.218					
+	10.070					
⏊	105.288					
−	1.119					
B-1	104.169					B-1 1" I.P. NEAR SLy END OF TEL. POLE PARKING STOP
+	1.033					
⏊	105.202					
−	3.232					
C-2	101.970					"C-2" SQ. SPK & T. IN FRONT OF SLy SIDE OF GARAGE TO HOUSE # 26946
+	6.440					
⏊	108.410					
−	2.210					
C-1	106.200					"C-1" Sq SPK. & T. TOP OF CROWN OF DRWY TO Ho. # 26946
+	1.275					
⏊	107.475					
−	7.660					
A-2	99.815					"A-2" B. SPK W. & T. PER PAGE
"B-8"	75.505					"B-8" CONT FROM BOTTOM OF PAGE
+	1.002					
⏊	76.507					
−	9.493					
T.P.	67.014					
+	0.418					
⏊	67.432					
−	10.865					
T.P.	56.567					

769420 353 8-49

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

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

Do not extend notes this side of this line

JOB NO. 0021.82 SURVEY OF ESCONDIDO BEACH SLIDES AREA
SURVEY BY S.E. DREIER
NOTES BY S.E.D. DATE 3-15-6
INDEXED H.E. OTT DATE
NOTES RED. DATE
NOTES CHKD. DATE
F.B. 2341 PG. 120

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	56.567					
+	0.309					
⇈	56.876					
−	11.542					
T.P.	45.334					
+	0.808					
⇈	46.142					
−	10.745					
T.P.	35.397					
+	1.964					
⇈	37.361					
−	8.088					
B.M. 48-105	29.273					B.M. 48-105 SOLSTICE CN E-9B F.B. 1369-88 PAC. COAST HWY. 0.65 MI. W. OF LATIGO CN. RD. 372± FT. E. OF ESCONDIDO CR. BR., APPROX ON ℄ PROD, 46± S'LY OF L. ℄ T. IN S'LY C℄ OF DIVIDER, 76± FT. W'LY OF A P.P., A STD. L.A. CO. SUR. CONTROL SYSTEM TRAV. STA. FLUSH
+	1.233					
⇈	30.506					
−	8.605					
T.P.	21.901					
+	0.985					
⇈	22.886					
−	5.529					
B.M. 48-106	17.357					PRELIM. 1960 ELEV. = 17.348 B.M. 48-106 (U.S. 1307 RESET 1938) F.B. 1349-89 PAC. COAST HWY & ESCONDIDO CR, AT E. END OF SIDEWALK ON N. SIDE OF BRIDGE, A STD. C.S. BRASS CAP & BUTTON STAMPED "U.S. 1307 RESET 1938 R.E. 21.77" FLUSH IN WALK

768420 353 8-49

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 48-103	120.070					B.M. 48-103 (SOLSTICE CN. E-9) F.B. 1369-86)
+	10.789		10.292			1960 PRELIM. ELEV. = 120.070
⊼	130.859	9.986	9.987			PAC. COAST HWY, 0.35 MI. W. OF LATIGO
−	0.803		0.305			CN. RD. 46³ FT SLY OF L&T. IN S. CO.
T.P.	130.056					OF HWY DIVIDER, AT HWY STA.
+	7.299		7.418			702+25⁵, 23° S. OF S. EDGE OF
⊼	137.355	+5.262	5.260			CONC. PAV. A STD. CO. SUR. CONTROL
−	2.037		2.158			SYSTEM TRAV. STA. FLUSH.
T.P.	135.318					
+	4.838		4.890			
⊼	140.156	+0.291	0.292			
−	5.129		5.182			
B.M. 48-102	135.027					B.M. 48-102 "SOLSTICE CN F-9A)
						PRELIM. 1960 ELEV. = 135.028
						PAC. COAST HWY., 0.2 MI. W. OF
						LATIGO CN. RD. 73² FT S. OF ℄ HWY.
						67 FT ELY FROM END OF DIVIDER
						AT ENTRANCE TO "GULLS WAY"
						Ho # 26800, 1 FT. N. OF N. EDGE
						OF OLD HWY PAV., A STD. L.A. CO.
						SUR. CONTROL SYSTEM TRAV. STA.
						FLUSH.

NOTES RED. _____ JOB NO. 00 21.82 SURVEY OF ESCONDIDO BEACH SLIDE AREA
DATE _____ SURVEY BY G.E. DREIER
NOTES CHKD. _____ NOTES BY G.E.D. DATE 3-5-62
DATE _____ INDEXED H. E. OTT DATE _____

F.B. 2341 PG. 121

Notes Ck'd by	Survey of LATIGO SHORE LANDSLIDE F. B. 2341 PG. 151
Map No.	JN 0038.47 Tape 15' Std. 68 °F
Office Work	Surveyed by LIND
Checked	Notes LIND Date 12-8-60
Date	Indexed BEC 9

J.N. 0038.47

LATIGO SHORE LANDSLIDE AREA

PROFILE CHECK

OF

AERIAL MAP

TEST PROFILE LINE #1

12-8-60

LIND
WICKS
CARO
OHASHI
MASOOA

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

Do not extend notes this side of this line.

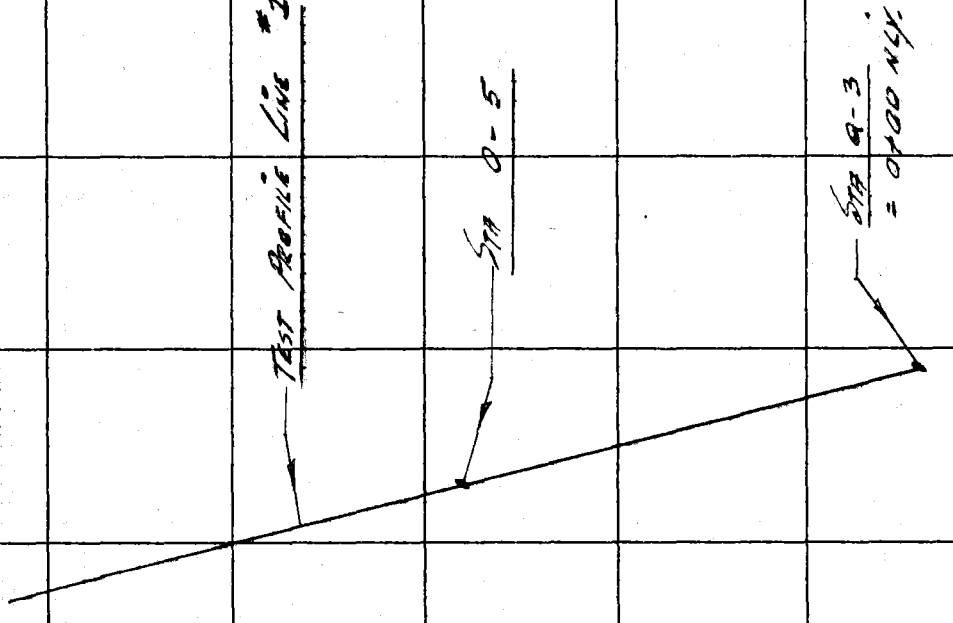
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-58

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

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

Do not extend notes this side of this line.



F.B. 2341 PG. 182

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PROFILE TEST LINE # 1
Q-3=0+00	10 46	36 31		25 85	
0+22.5			8 22	28 09	TOP CON. cb.
0+60.9			7 3	29 0	Ground
1+18.5			8 1	28 2	Ground
1+76.1			3 8	32 5	Ground
T.P.	11 43	47 05	0 69	35 62	top of rock
2+10.5			10 64	36 41	edge macadam drive
2+46.8			6 3	40 ~~8~~ 75	Ground
T.P.	11 26	56 22	2 09	44 96	1X2
3+03.6			1 9	54 3	Ground
T.P.	11 45	67 12	0 55	55 67	top of rock
3+57.4			7 1	60 02	Ground bottom break
T.P.	11 86	78 61	0 37	66 75	1X2
T.P.	11 87	87 63	2 85	75 76	top pipe
4+02.2			8 9	78 73	Ground top break
4+62.5			9 2	78 43	bottom break
T.P.	10 91	98 31	0 23	87 40	1X2
T.P.	11 49	108 42	1 38	96 93	top pipe
5+00 3			4 6	103 8	top break
T.P.	11 61	119 58	0 45	107 97	1X2

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 0098.47 Division No. 11 Survey of LATIO SHORE LANDSLIDE AREA Survey by LIND Notes WILKS Date 12-8-60 Map No. Indexed G. G. OTT Date DEC 9 '60

F. B. 2341 Pg. 153

F. B. 2341 Pg. 154 Job No. 0038.47 Division No. 11 Notes Red. Plotted Profile

Survey of LATIO SHORE LANDSLIDE AREA Date Date No.

Survey by LAND Notes WILKS Notes Chkd Checked X-Sec.

Indexed Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	
M-3		119.58	2.95	116.63	STA M-3, EL= 116.63

Do not extend notes this side of this line.

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

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

761-298 S & E #307—1-56

5

Notes Ck'd by	Survey of LATIGO SHORE LANDSLIDE
Map No.	JN 0038.47 Tape 152 Std 64 °F
Office Work	Surveyed by LIND
Checked	Notes LIND Date 12-8-60
Date	Indexed H. L. Ott DEC 9 '60

F. B. 2341 PG. 155

J.N. 00 38. 47

LATIGO SHORE LANDSLIDE AREA

PROFILE CHECK

OF

AERIAL MAP

TEST PROFILE LINE # 2

12-8-60

LIND

WILKS

CARO

OHASHI

MASUDA

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

Do not extend notes this side of this line.

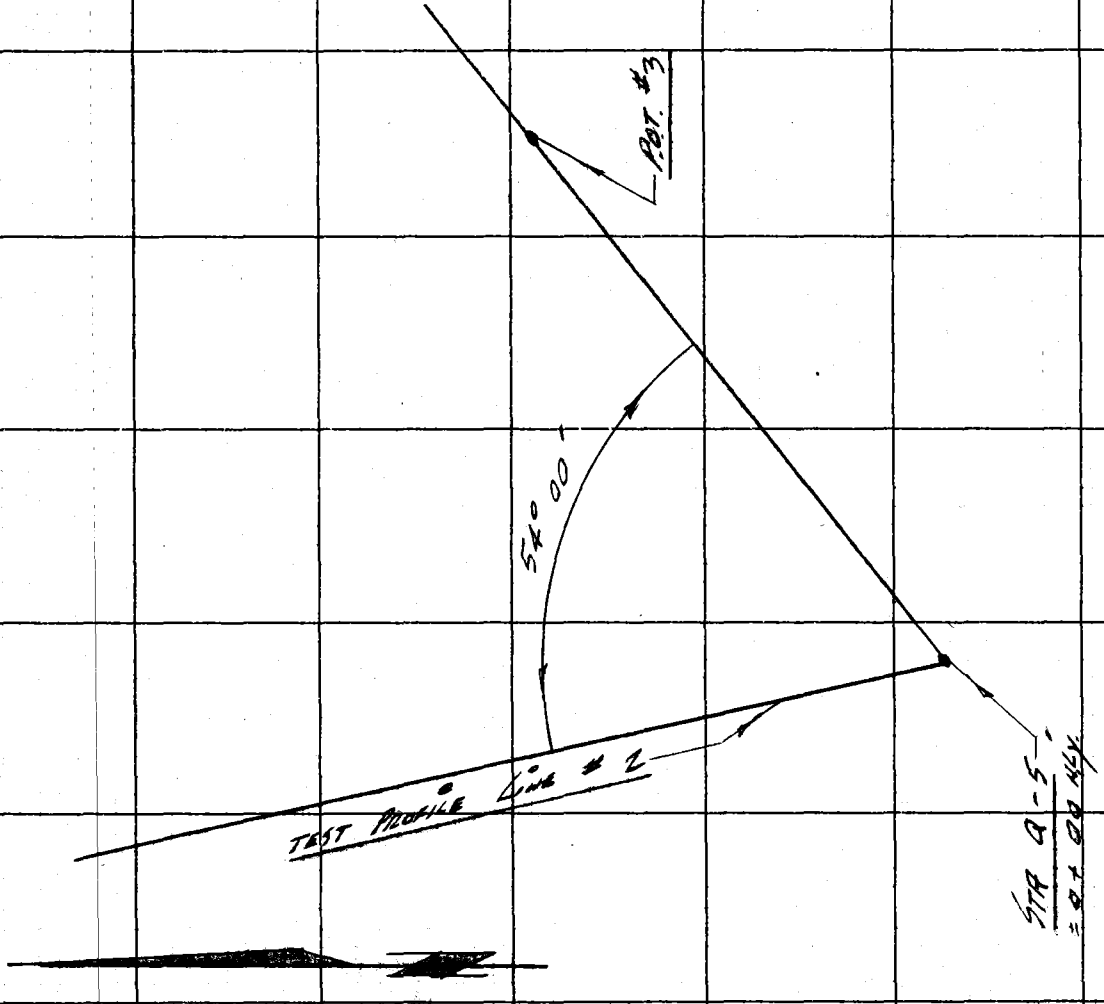
RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

7890S CE #247—7-59

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

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

Do not extend notes this side of this line.



F.B. 2341 PG. 186

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	TEST PROFILE LINE #2
Q-5=0+00	11 53	35 58		24 05	STA Q-5 EL=24.05
0+38.6			2 0	33 ~~6~~ 58	top break GR.
0+68.2			0 7	34 ~~9~~ 88	Ground bottom break
T.P.	11 13	46 50	0 21	35 37	1X2
0+84.5			5 7	40 80	Ground top break
1+37.6			6 9	39 6	Ground bottom break
T.P.	11 89	58 07	0 32	46 18	1X2
1+75.2			3 7	54 ~~4~~ 37	top break Ground
2+ 39.7			3 8	54 ~~3~~ 27	Ground bottom break
T.P.	11 01	67 80	1 28	56 79	1X2
2+90.9			2 4	65 4	Ground
T.P.	11 12	78 09	0 83	66 97	top rock
3+33.2			7 7	70 ~~4~~ 39	Ground change in grade
T.P.	11 77	89 63	0 23	77 86	1X2
3+64.1			3 2	86 43	Ground
T.P.	11 88	101 28	0 23	89 40	1X2
T.B.M. - BC			11 65	89 63	1X2
T.P.	10 31	111 08	0 51	100 77	1X2
3+94.2			4 3	106 ~~8~~ 78	Ground top break
4+37.8			3 0	108 ~~4~~ 08	Ground

Profile Notes Red. ____ Plotted ____ Job No. 0038.47 Division No. 11 F.B. 2341 Pg. 157
No. ____ Date ____ Date ____ Survey of LATIGO SHORE LANDSLIDE AREA
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes WILKS Date 12-8-60
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

Notes Ck'd by	Survey of LATIGO SHORE LANDSLIDE
Map No.	JN 0038.47 Tape 162 Std 64 °F
Office Work	Surveyed by LIND
Checked	Notes LIND Date 12-8-60
Date	Indexed [redacted] DEC 9 '80

F. B. 2341 PG. 159

U.N. 0038.47

LATIGO SHORE LANDSLIDE AREA

PROFILE CHECK

OF

AERIAL MAP

TEST PROFILE LINE #3

12-8-60
LIND
WILKES
CARO
OHASHI
MASUDA

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

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

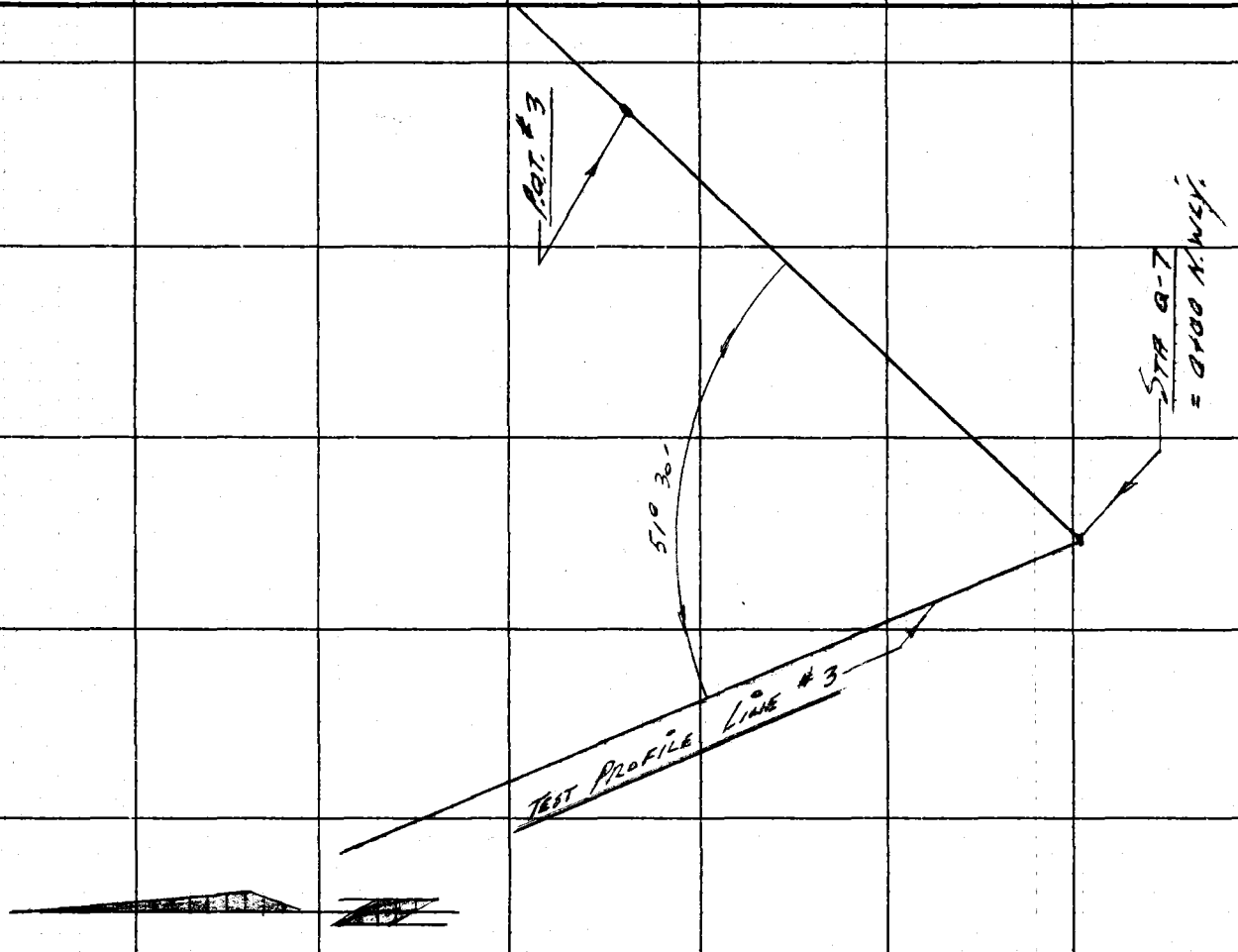
Do not extend notes this side of this line.

78S09S CE #247—7-53

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

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

Do not extend notes this side of this line.



F.B. 2341 PG. 160

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PROFILE TEST LINE # 3
Q-7 = 0+00 HLY	11 96	36 69		24 73	STA Q-7 EL= 24.73
0+26.3			11 5	25 ~~2~~ 19	Ground F.L. bottom break
0+84.6			3 4	33 ~~3~~ 29	Ground
1+14.9			1 1	35 ~~6~~ 59	top break
T.P.	11 79	48 24	0 24	36 45	top rock
1+54.5			9 8	38 44	Ground in ravine
T.P.	10 54	58 59	0 19	48 05	1X2
2+02.3			7 7	50 ~~9~~ 89	Ground
T.P.	11 38	68 26	1 71	56 88	1X2
2+36.2			3 2	65 ~~1~~ 06	Ground
T.P.	11 21	79 02	0 45	67 81	1X2
T.P.	11 66	90 49	0 19	78 83	1X2
T.B.M. - BC			0 86	89 63	1X2

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 0038.47 Division No. 11 Survey of LATIGO SHORE LAND SLIDE AREA Survey by LIND Notes WILLS Date 12-8-60 Map No. Indexed H. E. GRT Date DEC 9 '60

F. B. 2341 Pg. 161

Notes Ck'd by	Survey of Puerco Cn Slide	F. B. 2341 Pg. 163
Map No.	JN 00 21 08 Tape Std °F	
Office Work	Surveyed by LIND	
Checked	Notes LIND Date 7-4-62	
Date	Indexed C. J. GALLI JUL 18 '62	

JN. 00 21. 08

PUERCO CANYON LANDSLIDE

AREA

HORIZONTAL COMPARISON SHEETS

NOTE:
ALL OFFSETS TO
THE LEFT OF "D" LINE
ARE "+" LOOKING
FROM D-1 TO D-12

7-4-62
LIND
MYERS
HACKABY
VALDEZ
RODRIGUEZ

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

Do not extend this side of this line.

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

78F3098 SAE #247 11-58

Notes Ck'd by	Survey of Puerco Cn Landslide
Map No.	JN 6021.08 Tape Std °F
Office Work	Surveyed by C.L. Lind
Checked	Notes Lind Date 7-4-62
Date	Indexed C. J. GALLI

F. B. 2341 PG. 165

D- Line

D-1 to B-2

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD
4-4-62	198.91	0.00	0.00
7-4-62	198.91	0.00	0.00
9-18-62	198.91	0.00	0.00
1-30-63	198.91	0.00	0.00
6-24-63	198.93	+0.02	+0.02
9-23-63	198.95	+0.02	+0.04
12-18-67	198.95	0.00	+0.04
7-26-64	198.95	0.00	+0.04
7-7-64	198.95	0.00	+0.04
12-22-64	198.99	+0.04	+0.08
7-27-65	198.96	-0.02	+0.06
1-13-66	198.96	0.00	+0.06
7-26-66	199.00	+0.04	+0.09
1-6-67	198.91	-0.09	0.00

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

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

5.09

76F3098 S&E #247 11-58

Notes Ck'd by	Survey of Puerco Cñ Slide	F. B. 2341 PG. 167
Map No.	JN 0021.08 Tape Std °F	
Office Work	Surveyed by Lind	
Checked	Notes Lind Date 7-4-62	
Date	Indexed C. J. GALLI	

HORIZONTAL ANGLE

TRANSIT @ STATION D-1
ANGLE FROM STA. B-1 TO STA D-12

DATE	ANGLE
4-4-62	100°46'20"
7-4-62	100°46'00"
9-18-62	100°45'50"
1-30-63	100°45'-50"
6-24-63	100°45'50"
9-23-63	100°45'20"
12-18-63	100°45'30"
3-26-64	100°45'40"
7-7-64	100°45'30"
12-22-64	100°44'50"
7-27-65	100°45'50"
1-13-66	100°-45'-35"
7-26-66	100°-46-06" T-2E 93397 D-1 HIT BY DISKER
1-6-67	100°46'47"

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
76F309S S&E #247 11-58

Notes Ck'd by	Survey of Puerco Cn Slide	F. B. 2341 PG. 169
Map No.	JN 0021.08 Tape Std °F	
Office Work	Surveyed by C.H. Lind	
Checked	Notes Lind Date 7-4-62	
Date	Indexed C. J. GALL	

"D-" Line

D-1 To D-2

Date	Distance	Period Spread	Total Spread	Period Shear	D-2 Total Shear
4-4-62	96.22	0.00	0.00	0.00	0.00
7-4-62	96.22	0.00	0.00	0.00	0.00
9-18-62	96.22	0.00	0.00	-0.02	-0.02
1-30-63	96.22	0.00	0.00	0.00	-0.02
6-24-63	96.20	-0.02	-0.02	-0.02	-0.04
9-23-63	96.24	+0.04	+0.02	-0.01	-0.05
12-18-63	96.24	0.00	+0.02	0.00	-0.05
7-26-64	96.24	0.00	+0.02	0.00	-0.05
7-7-64	96.24	0.00	+0.02	-0.01	-0.06
12-22-64	96.24	0.00	+0.02	0.00	-0.06
7-27-65	96.20	-0.04	-0.02	0.00	-0.06
7-13-66	96.24	+0.04	+0.02	0.00	-0.06
7-26-66	96.19	-0.05	-0.03	0.02	-0.08
1-6-67	96.22	+0.03	0.00	+0.08	0.00

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

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

76F309S S&E #247 11-58

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

Survey of Rubio Cn Side
JN 002108 Tape Std °F
Surveyed by LIND
Notes LIND Date 7-4-62
Indexed C. J. GALLI

F. B. 2341 Pg. 171

"D"-LINE

D-2 TO D-3

Date	Distance	Period Spread	Total Spread	Period Shear	Total Shear
					D-3
4-4-62	63.88	0.00	0.00	0.00	0.00
9-4-62	63.88	0.00	0.00	0.00	0.00
9-18-62	63.88	0.00	0.00	-0.02	-0.02
1-30-63	63.88	0.00	0.00	-0.00	-0.02
4-24-63	63.90	0.00	+0.02	0.00	-0.02
9-23-63	63.92	+0.02	+0.04	-0.01	-0.03
12-18-63	63.92	0.00	+0.04	0.00	-0.03
3-26-64	63.92	0.00	+0.04	-0.01	-0.04
7-7-64	63.92	0.00	+0.04	0.00	-0.04
12-22-64	63.92	0.00	+0.04	-0.02	-0.06
7-27-65	63.92	0.00	+0.04	0.00	-0.06
1-13-66	63.92	0.00	+0.04	0.00	-0.06
7-26-66	63.92	0.00	+0.04	0.03	-0.09
1-6-67	63.92	0.00	+0.04	+0.09	0.00

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

Do not extend this side of this line.

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

76F3098 SBE #247 11-58

Notes Ck'd by	Survey of Pierce Cr Landslide	F. B. 2341 Pg. 173
Map No.	JN 0021.08 Tape Std °F	
Office Work	Surveyed by LIND	
Checked	Notes LIND Date 7-4-62	
Date	Indexed E. J. GALLI	

"D-" LINE

D-3 TO D-4

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	PERIOD SHEAR	D-4 TOTAL SHEAR
4-4-62	99.61	0.00	0.00	0.00	0.00
7-4-62	99.61	0.00	0.00	0.00	0.00
9-18-62	99.61	0.00	0.00	-0.02	-0.02
1-30-63	99.58	-0.03	-0.03	0.00	-0.02
6-24-63	99.58	0.00	-0.03	0.00	-0.02
9-23-63	99.58	0.00	-0.03	-0.03	-0.05
12-18-63	99.58	0.00	-0.03	+0.02	-0.03
3-26-64	99.58	0.00	-0.03	-0.02	-0.05
7-7-64	99.58	0.00	-0.03	0.00	-0.05
12-22-64	99.58	0.00	-0.03	0.00	-0.05
7-27-65	99.58	0.00	-0.03	0.00	-0.05
1-13-66	99.58	0.00	-0.03	0.04	-0.09
7-26-66	99.58	0.00	-0.03	0.02	-0.11
1-6-67	99.60	+0.02	-0.01	+0.04	-0.07

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

Do not extend this side of this line.

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

76F309S S&E #247 11-58

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

Survey of PUEBLO CN LANDSLIDE
JN 00Z109 Tape Std °F
Surveyed by LIND
Notes LIND Date 7-1-62
Indexed G. J. GALLI

F. B. 1241 Pg. 175

"D" LINE

D-4 TO D-5

Date	Distance	Period Spread	Total Spread	Period Shear	Total Shear
					D-5
4-4-62	100.84	0.00	0.00	0.00	0.00
7-4-62	100.84	0.00	0.00	0.00	0.00
9-18-62	100.88	+0.04	+0.04	-0.02	-0.02
1-30-63	100.85	-0.03	+0.01	+0.02	+0.02
6-24-64	100.85	0.00	+0.01	0.01	+0.01
9-23-63	100.85	0.00	+0.01	0.00	+0.02
12-18-63	100.85	0.00	+0.01	0.00	+0.02
3-26-64	100.85	0.00	+0.01	+0.01	+0.03
7-7-64	100.85	0.00	+0.01	0.00	+0.03
12-22-64	100.85	0.00	+0.01	+0.01	+0.04
7-27-65	100.85	0.00	+0.01	+0.01	+0.05
1-13-66	100.85	0.00	+0.01	0.00	+0.05
7-26-66	100.88	0.03	+0.04	0.01	+0.06
1-6-69	100.90	+0.02	+0.06	+0.06	+0.12

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

Do not extend this side of this line.

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

78F3098 SEE #247 11-58

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

Survey of Puerco Cr Slide
JN 2021.02 Tape Std °F
Surveyed by Lind
Notes Lind Date 7-6-62
Indexed E. J. GALLI

F. B. 2341 Pg. 177

"D" Line

D-5 To D-6

Date	Distance	Period Spread	Total Spread	Period Shear	D-6 Total Shear
4-4-62	97.95	0.00	0.00	0.00	0.00
7-4-62	97.95	0.00	0.00	0.00	0.00
9-18-62	97.95	0.00	0.00	0.00	0.00
1-30-63	97.91	-0.04	-0.04	+0.03	+0.03
6-24-63	97.91	0.00	-0.04	+0.02	+0.05
9-23-63	97.91	0.00	-0.04	0.00	+0.05
12-18-63	97.91	0.00	-0.04	0.00	+0.05
3-26-64	97.91	0.00	-0.04	+0.02	+0.07
7-7-64	97.91	0.00	-0.04	0.00	+0.07
12-22-64	97.91	0.00	-0.04	+0.03	+0.10
7-27-65	97.91	0.00	-0.04	0.00	+0.10
1-13-66	97.91	0.00	-0.04	+0.05	+0.15
7-26-66	97.88	0.03	-0.07	0.00	+0.15
1-6-67	97.90	+0.02	-0.05	+0.10	+0.25

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

Do not extend this side of this line.

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

78F3098 S&E #247 11-58

Notes Ck'd by	Survey of Rubio Cut Slope
Map No.	JN 00210 Tape Std °F
Office Work	Surveyed by LIND
Checked	Notes LIND Date 7-4-62
Date	Indexed E. J. GALLI

F. B. 734 Pg. 179

"D" Line
D-6 To D-7

Date	Distance	Period Spread	Total Spread	Period Shear	Total Shear D-7
4-4-62	59.72	0.00	0.00	0.00	0.00
7-4-62	59.72	0.00	0.00	0.00	0.00
9-18-62	59.72	0.00	0.00	0.00	0.00
1-30-63	59.72	0.00	0.00	+0.03	+0.03
4-24-63	59.72	0.00	0.00	+0.03	+0.03
9-23-63	59.74	+0.02	+0.02	+0.04	+0.07
12-18-63	59.74	0.00	+0.02	0.00	+0.07
3-26-64	59.74	0.00	+0.02	+0.03	+0.10
7-7-64	59.72	-0.02	0.00	0.00	+0.10
12-22-64	59.74	+0.02	+0.02	+0.02	+0.12
7-27-65	59.74	0.00	+0.02	+0.02	+0.14
1-13-66	59.74	0.00	+0.02	0.00	+0.14
7-26-66	59.76	0.02	+0.04	0.00	+0.14
1-6-66	59.75	-0.01	+0.03	+0.10	+0.24

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

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

7EF3026 SAE #247 11-58

Notes Ck'd by	Survey of Puerco Cn Slide	F. B. 2341 PG. 181
Map No.	JN 0021.08 Tape Std °F	
Office Work	Surveyed by Lind	
Checked	Notes Lind Date 7-4-62	
Date	Indexed C. J. GALLI	

"D" Line

D-7 to D-8

Date	Distance	Period Spread	Total Spread	Period Shear	D-8 Total Shear
4-4-62	59.72	0.00	0.00	0.00	0.00
7-4-62	59.72	0.00	0.00	0.00	0.00
9-18-62	59.74	+0.02	+0.02	0.00	0.00
1-30-63	59.74	0.00	+0.02	+0.03	+0.03
6-24-63	59.72	-0.02	0.00	+0.01	+0.04
9-23-63	59.72	0.00	0.00	0.00	+0.04
12-18-63	59.72	0.00	0.00	0.00	+0.04
3-26-64	59.72	0.00	0.00	+0.02	+0.06
7-7-64	59.74	+0.02	+0.02	0.00	+0.06
12-22-64	59.74	0.00	+0.02	+0.02	+0.08
7-27-65	59.74	0.00	+0.02	+0.02	+0.10
1-13-66	59.74	0.00	+0.02	0.00	+0.09
7-26-66	59.74	0.00	+0.02	0.00	+0.09
1-6-67	59.74	0.00	+0.02	+0.05	+0.14

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

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

76F309S S&E #247 11-58

Notes Ck'd by	Survey of Portuguese Bend Slide	F. B. 2341	Pg. 183
Map No.	JN 007108 Tape Std °F		
Office Work	Surveyed by C.K. Lind		
Checked	Notes Lind Date 7-9-62		
Date	Indexed C. J. GALLI		

"D" Line

D-8 to D-9

Date	Distance	Period Spread	Total Spread	Period Shear	Total Shear
					D-9
4-4-62	100.19	0.00	0.00	0.00	0.00
7-4-62	100.19	0.00	0.00	0.00	0.00
9-18-62	100.17	-0.02	-0.02	0.00	0.00
1-30-63	100.16	-0.01	-0.03	0.00	0.00
6-24-63	100.16	0.00	-0.03	0.00	0.00
9-23-63	100.14	-0.02	-0.05	0.00	0.00
12-18-63	100.14	0.00	-0.05	0.00	0.00
3-26-64	100.12	-0.02	-0.07	0.00	0.00
7-7-64	100.10	-0.02	-0.09	0.00	0.00
12-22-64	100.10	0.00	-0.09	0.00	0.00
7-27-65	99.99	-0.11	-0.20	+0.08	+0.08
1-13-66	99.99	0.00	-0.20	0.00	+0.08
7-26-66	99.99	0.00	-0.20	-0.04	+0.04
1-6-67	99.99	0.00	-0.20	+0.05	+0.09

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

Do not extend this side of this line.

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

76F3098 SEE #247 11-58

Notes Ck'd by	Survey of Puente Cn Slide	F. B. 2341	Pg. 185
Map No.	JN 0021.06 Tape	Std	°F
Office Work	Surveyed by Lind		
Checked	Notes Lind	Date 7-4-67	
Date	Indexed C. J. GALLI		

D- Line

D-9 To D-10

Date	Distance	Period Spread	Total Spread	Period Shear	Total Shear (D-10)
4-4-62	100.30	0.00	0.00	0.00	0.00
7-4-62	100.30	0.00	0.00	0.00	0.00
9-18-62	100.30	0.00	0.00	0.00	0.00
1-30-63	100.30	0.00	0.00	0.00	0.00
6-24-63	100.30	0.00	0.00	0.00	0.00
9-23-63	100.30	0.00	0.00	0.00	0.00
12-18-63	100.30	0.00	0.00	0.00	0.00
3-26-64	100.30	0.00	0.00	0.00	0.00
7-7-64	100.30	0.00	0.00	0.00	0.00
12-22-64	100.30	0.00	0.00	0.00	0.00
7-27-65	100.45	+0.15	+0.15	-0.04	-0.04
1-13-66	100.48	0.00	+0.18	+0.03	-0.01
7-26-66	100.48	0.00	+0.18	-0.01	-0.02
1-6-67	100.48	0.00	+0.18	+0.05	+0.03

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

Do not extend this side of this line.

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

76F309S SAE #247 11-58

Notes Ck'd by	Survey of Puerco Cñ Slide
Map No.	JN 0021.68 Tape Std °F
Office Work	Surveyed by Lin'd
Checked	Notes Lin'd Date 7-4-62
Date	Indexed C. J. GALLI

F. B 2341 PG. 187

D- LINE

D-10 TO D-11

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	PERIOD SHEAR	D-11 TOTAL SHEAR
4-4-62	100.47	0.00	0.00	0.00	0.00
7-4-62	100.47	0.00	0.00	0.00	0.00
9-18-62	100.47	0.00	0.00	0.00	0.00
1-30-63	100.47	0.00	0.00	0.00	0.00
6-24-63	100.45	+0.02	-0.02	+0.03	+0.03
9-23-63	100.45	0.00	-0.02	+0.01	+0.04
12-18-63	100.45	0.00	-0.02	0.00	+0.04
3-26-64	100.43	-0.02	-0.04	0.00	+0.04
7-7-64	100.45	+0.02	-0.02	0.00	+0.04
12-22-64	100.45	0.00	-0.02	0.00	+0.04
7-27-65	100.54	+0.09	+0.07	+0.10	+0.14
1-13-66	100.54	0.00	+0.07	+0.02	+0.16
7-26-66	100.50	-0.04	+0.03	+0.02	+0.18
1-6-67	100.50	0.00	+0.03	+0.04	+0.22

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

Do not extend this side of this line.

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

76F309S S&E #247 11-58

Notes Ck'd by	Survey of Puerco Cu Slide
Map No.	JN 0021.08 Tape Std °F
Office Work	Surveyed by C.K. Lind
Checked	Notes Lind Date 7-4-62
Date	Indexed C. J. GALLI

F. B. 2341 PG. 189

"D" Line

D-11 to D-12

Date	Distance	Period Spread	Total Spread
4-4-62	78.21	0.00	0.00
7-4-62	78.21	0.00	0.00
9-18-62	78.21	0.00	0.00
1-30-63	78.21	0.00	0.00
6-24-63	78.21	0.00	0.00
9-23-63	78.23	+0.02	+0.02
12-18-63	78.23	0.00	+0.02
3-26-64	78.21	-0.02	0.00
7-7-64	78.21	0.00	0.00
12-22-64	78.21	0.00	0.00
7-27-65	78.06	-0.15	-0.15
1-13-66	78.12	+0.06	-0.09
7-26-66	78.14	+0.02	-0.07
1-6-67	78.14	0.00	-0.07

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

Do not extend this side of this line.

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

76F309S S&E #247 11-58

Notes Ck'd by	Survey of Puerco CF Slide	F. B. 2341 Pg. 191
Map No.	JN 002148 Tape Std °F	
Office Work	Surveyed by Lind	
Checked	Notes Lind Date 7-4-62	
Date	Indexed C. J. GALLI	

D- Line

D- 12 To B-9

Date	Distance	Period Spread	Total Spread
4-4-62	41.66	0.00	0.00
7-4-62	41.66	0.00	0.00
9-18-62	41.66	0.00	0.00
1-30-63	41.66	0.00	0.00
6-24-63	41.66	0.00	0.00
9-23-63	41.66	0.00	0.00
12-18-63	41.66	0.00	0.00
3-26-64	41.66	0.00	0.00
7-7-64	41.66	0.00	0.00
12-22-64	41.66	0.00	0.00
7-27-65	41.66	0.00	0.00
1-13-66	41.69	+0.03	+0.03
7-26-66	41.70	+0.01	+0.04
1-6-67	41.70	0.00	+0.04

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

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

76F309S S&E #247 11-58

Notes Ck'd by	Survey of Puerco Cn Slide	F. B. 2341 Pg. 193
Map No.	JN 0021-04 Tape Std °F	
Office Work	Surveyed by Lind	
Checked	Notes Lind Date 7-4-62	
Date	Indexed C. J. GALLI	

HORIZONTAL ANGLE

TRANSIT ON Sty D-12

ANGLE FROM STA D-1 TO B-9

DATE	ANGLE
4-4-62	94° 07' 35"
7-4-62	94° 07' 30"
9-18-62	94-07' 40"
7-30-63	94°-07'-47"
6-24-63	94°-09' 10"
9-23-63	94° 09' 10"
12-18-63	94° 09' 20"
3-22-64	94° 09' 00"
7-7-64	94° 09' 00"
12-22-64	94° 10' 40"
7-27-65	94° 10' 40"
1-13-66	94° 08-15"
7-26-66	94°-07'-46" T-2E 93397
1-6-67	94° 07' 15"

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

Do not extend this side of this line.

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

76F3098 S&E #247 11-58

WEST ESCONDIDO

Notes Ck'd by	Survey of BEACH LANDSLIDE
Map No.	JN 0021.82 Tape Std °F
Office Work	Surveyed by LIND
Checked	Notes LIND Date 7-10-62
Date	Indexed C. J. GALLI

F. B. 2341 PG. 195

JUL 18 '62

JN 0021.82

WEST ESCONDIDO BEACH LANDSLIDE

HORIZONTAL COMPARISON SHEETS

FOR

CONTROL LINES "B" AND "C"

NOTE:

ALL OFFSETS TO THE LEFT OF "B" LINE ARE "+". LOOKING FROM B-1 TO B-8.

ALL OFFSET TO THE RIGHT OF "C" LINE ARE "+" LOOKING ALONG C-LINE FROM STA. A-2 THRU B-2

7-10-62

LIND
MYERS
HULKABY
RODRIGUEZ R.H.
VALDEZ

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

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

76F309S S&E #247 11-58

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

Survey of West Escondido Branch
JN 0021.82 Tape Std °F
Surveyed by A.C. Guzman
Notes ACG Date
Indexed C. J. CALLI FEB 1963

F. B 2341 PG. 197

JEE pgs 111 to 116
FOR ORIGINAL

"C" LINE DISTANCES

A-2 TO C-1

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	C-1 PERIOD SHEAR	C-1 TOTAL SHEAR
2-21-62	62.46	0.00	0.00	0.00	0.00
2-4-63	NO CHANGE				
6-25-63	62.52	+0.06	+0.06	0.00	0.00
9-24-63	62.52	0.00	+0.06	0.00	0.00
12-19-63	62.52	0.00	+0.06	0.00	0.00
3-24-64	62.52	0.00	+0.06	0.00	0.00
7-6-64	62.52	0.00	+0.06	0.00	0.00
12-16-64	62.52	0.00	+0.06	0.00	0.00
7-26-65	62.52	0.00	+0.06	0.00	0.00
1-13-66	62.52	0.00	+0.06	0.00	0.00
7-22-66	62.52	0.00	+0.06	-0.03	-0.03
1-5-67	62.52	0.00	+0.06	-0.03	-0.06
7-31-67	62.52	0.00	+0.06	0.00	-0.06
1-15-68	62.52	0.00	+0.06	-0.01	-0.07
7-9-68	62.52	0.00	+0.06	0.00	-0.07
1-23-69	62.50	-0.02	+0.04	+0.01	-0.06
2-3-70	62.50	0.00	+0.04	0.00	-0.06

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.

79F3095 CE #310 6-62

Notes Ck'd by	Survey of WEST ESCONDIDO BEACH
Map No.	JN 0221 82 Tape Std °F
Office Work	Surveyed by A.C. GUIZADO
Checked	Notes A.C.G. Date
Date	Indexed E. J. CALLI

F. B. 2341 PG. 199

"C" LINE

C-1 TO C-2

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	C-2 PERIOD SHEAR	C-2 TOTAL SHEAR
2-21-62	87.26	0.00	0.00	0.00	0.00
2-4-63	NO CHANGE				
6-25-63	NO CHANGE				
9-24-63	NO CHANGE				
12-19-63	NO CHANGE				
3-24-64	NO CHANGE				
7-6-64	NO CHANGE				
12-16-64	87.30	+0.04	+0.04	0.00	0.00
7-22-65	87.30	0.00	+0.04	0.00	0.00
1-13-66	87.30	0.00	+0.04	0.00	0.00
7-22-66	87.30	0.00	+0.04	-0.03	-0.03
1-5-67	87.31	+0.01	+0.05	-0.02	-0.05
7-31-67	87.29	-0.02	+0.03	0.00	-0.05
1-15-68	87.29	0.00	+0.03	0.00	-0.05
7-9-68	87.29	0.00	+0.03	0.00	-0.05
1-23-69	87.29	0.00	+0.03	-0.01	-0.06
2-3-70	87.32	+0.03	+0.06	0.00	-0.06

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.

76F3085 CE # 310 3-61

Notes Ck'd by	Survey of WEST ESCONDIDO BEACH	F. B 2341	PG. 201
Map No.	JN 0021-82 Tape	Std °F	
Office Work	Surveyed by A.C. GUIZADO		
Checked	Notes AC.G Date		
Date	Indexed C. J. CAMI		

"C" LINE

C-2 TO B-2

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD
2-21-62	51.17	0.00	0.00
2-4-63	NO	CHANGE	
6-25-63	NO	CHANGE	
9-24-63	NO	CHANGE	
12-19-63	NO	CHANGE	
3-24-64	NO	CHANGE	
7-6-64	NO	CHANGE	
12-16-64	NO	CHANGE	
7-26-65	NO	CHANGE	
1-13-66	NO	CHANGE	
7-22-66	NO	CHANGE	
1-5-67	NO	CHANGE	
7-31-67	NO	CHANGE	
1-15-68	NO	CHANGE	
7-9-68	NO	CHANGE	
1-23-69	51.14	-0.03	-0.03
2-3-70	51.14	0.00	-0.03

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

Do not extend this side of this line.

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

76F3095 CE # 310 3-61

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

Survey of WEST ESCONDIDO BEACH F. B. 2341 PG. 203
JN 0021.32 Tape Std °F
Surveyed by A.C. GUIZADO
Notes ACG Date
Indexed C. J. GALLI

"B" LINE

B-1 TO B-2

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	PERIOD SHEAR B-2	TOTAL SHEAR B-2
2-21-62	19.11	0.00	0.00	0.00	0.00
2-4-63	NO CHANGE				
6-25-63	NO CHANGE				
9-24-63	NO CHANGE				
12-19-63	NO CHANGE				
3-24-64	NO CHANGE			0.00	0.00
7-6-64	NO CHANGE			0.00	0.00
12-16-64	NO CHANGE			0.00	0.00
7-26-65	NO CHANGE			0.00	0.00
1-13-66	19.15	+0.04	+0.04	0.00	0.00
7-22-66	19.23	+0.08	+0.12	-0.12	-0.12
1-5-67	19.12	-0.11	+0.01	+0.12	0.00
7-31-67	19.11	-0.01	0.00	0.00	0.00
1-15-68	19.11	0.00	0.00	0.00	0.00
7-9-68	19.11	0.00	0.00	0.00	0.00
1-23-69	19.11	0.00	0.00	0.00	0.00
2-3-70	19.11	0.00	0.00	0.00	0.00

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

Do not extend this side of this line.

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

76F3095 CE # 310 3-61

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

Survey of WEST ESCONDIDO AREA
JN 0221 82 Tape Std °F
Surveyed by A.C. GUIZADO
Notes ACG Date
Indexed G. J. GALLI

F. B. 2341 PG. 205

"B" LINE

B-2 TO B-3

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	B-3 PERIOD SHEAR	B-3 TOTAL SHEAR
2-21-62	81.61	0.00	0.00	0.00	0.00
2-4-63	NO CHANGE				
6-25-63	81.71	+0.10	+0.10	0.00	0.00
9-24-63	81.73	+0.02	+0.12	0.00	0.00
12-19-63	81.73	0.00	+0.12	+0.02	+0.02
3-24-64	81.73	0.00	+0.12	-0.02	0.00
7-6-64	81.73	0.00	+0.12	0.00	0.00
12-16-64	81.73	0.00	+0.12	0.00	0.00
7-26-65	81.73	0.00	+0.12	0.00	0.00
1-13-66	81.67	-0.06	+0.06	0.00	0.00
7-22-66	81.67	0.00	+0.06	-0.12	-0.12
1-5-67	81.71	+0.04	+0.10	-0.09	-0.03
7-31-67	81.67	-0.04	+0.06	0.00	-0.03
1-25-68	81.69	0.00	+0.08	0.01	-0.03
7-9-68	81.69	0.00	+0.08	+0.02	-0.01
1-23-69	81.67	-0.02	+0.06	-0.02	-0.03
2-3-70	81.68	+0.01	+0.07	0.00	-0.03

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

Do not extend this side of this line.

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

76F309S CE # 310 3-61

Notes Ck'd by	Survey of WEST ESCONDIDO BEACH
Map No.	JN 0021 52 Tape Std °F
Office Work	Surveyed by A.C. GUIZADO
Checked	Notes ACG Date
Date	Indexed J. OAHI

F. B. 2341 PG. 207

"B" LINE

"B-3" TO B-4

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	B-4 PERIOD SHEAR	B-4 TOTAL SHEAR
2-2-62	19.26	0.00	0.00	0.00	0.00
2-4-63	NO CHANGE				
6-25-63	19.00	-0.26	-0.26	0.00	0.00
9-24-63	19.00	0.00	-0.26	-0.02	-0.02
12-19-63	19.00	0.00	-0.26	0.00	-0.02
3-24-64	19.00	0.00	-0.26	-0.03	-0.05
7-6-64	19.00	0.00	-0.26	-0.00	-0.05
12-16-64	19.00	0.00	-0.26	0.00	-0.05
7-26-65	19.00	0.00	-0.26	+0.02	-0.03
1-13-66	19.00	0.00	-0.26	+0.02	-0.01
7-22-66	19.00	0.00	-0.25	-0.11	-0.12
1-5-67	19.03	+0.03	-0.22	+0.07	-0.05
7-31-67	18.99	-0.04	-0.18	0.00	-0.05
1-15-68	18.99	0.00	-0.18	0.00	-0.05
7-9-68	19.01	-0.07	-0.25	+0.01	-0.04
1-23-69	19.00	+0.01	-0.24	-0.01	-0.05
2-3-70	19.00	0.00	-0.24	-0.02	-0.07

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.

76F309S CE # 310 3-61

Notes Ck'd by	Survey of WEST ECONDIDO BEACH
Map No.	JN 0021.62 Tape Std °F
Office Work	Surveyed by A.C. GUIZADO
Checked	Notes ACG Date
Date	Indexed C. J. GALLI

F. B. 234 / PG. 309

"B" LINE

B-4 TO B-5

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	B-5 PERIOD SHEAR	B-5 TOTAL SHEAR
2-21-62	78 42	0 00	0.00	0.00	0.00
2-4-63	NO	CHANGE			
6-25-63	78. 47	+ 0. 05	+0. 05	0. 00	0. 00
9-24-63	78. 47	0. 00	+0. 05	0. 00	0. 00
12-19-67	78. 50	+0. 03	+0. 08	-0. 02	-0. 02
3-26-64	78. 50	0. 00	+0. 08	-0. 03	-0. 05
7-6-64	78. 50	0. 00	+0. 08	0. 00	-0. 05
12-14-64	78. 50	0. 00	+0. 08	0. 00	-0. 05
7-26-65	78. 53	+0. 03	+0. 11	+0. 05	0. 00
1-13-66	78. 53	0. 00	+0 11	0. 00	0. 00
7-22-66	78. 57	+ 0. 04	+0. 15	-0. 04	-0. 04
1-5-67	78. 60	+0. 03	+0. 18	+0. 04	0. 00
7-31-67	78. 60	0. 00	+0. 18	0. 00	0. 00
1-15-68	78. 57	-0. 03	+0. 15	0. 00	0. 00
7-9-68	78. 56	-0. 01	+0. 14	0. 00	0. 00
1-23-69	78. 63	+0. 07	+0. 21	+0. 01	+0. 01
2-3-70	78. 69	+0. 06	+0. 27	-0. 06	-0. 05

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

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

76F3099 CE # 310 3-61

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

Survey of WEST Escondido BEACH
JN 2021.82 Tape Std °F
Surveyed by A.C. Guizado
Notes A.C.G. Date
Indexed C. J. GALLI

F. B. 2341 PG. 211

"B" LINE

"B-5" TO "B-6"

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	PERIOD SHEAR	TOTAL SHEAR "B-6"
2-21-62	47.56	0.00	0.00	0.00	0.00
2-4-63		NO CHANGE			
6-25-63	47.56	0.00	0.00	0.00	0.00
9-24-63	47.56	0.00	0.00	-0.03	-0.03
12-19-63	47.52	-0.04	-0.04	0.00	-0.03
3-24-64	47.52	0.00	-0.04	0.00	-0.03
7-6-64	47.52	0.00	-0.04	-0.02	-0.05
12-16-64	47.52	0.00	-0.04	0.00	-0.05
7-26-65	47.49	-0.04	-0.08	+0.01	-0.04
1-13-66	47.48	0.00	-0.08	+0.02	-0.02
7-22-66	47.41	-0.07	-0.15	-0.07	-0.09
1-5-67	47.41	0.00	-0.15	+0.04	-0.05
7-31-67	47.41	0.00	-0.15	0.00	-0.05
1-15-68	47.41	0.00	-0.15	0.00	-0.05
7-9-68	47.45	+0.04	-0.11	-0.02	-0.07
1-22-69	47.33	-0.12	-0.23	-0.01	-0.08
2-3-70	47.30	-0.03	-0.26	-0.03	-0.11

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

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

76F309S CE # 310 3-61

Notes Ck'd by	Survey of WEST ESCONDIDO BEACH
Map No.	JN 0021.82 Tape Std °F
Office Work	Surveyed by A.C. GUIZADO
Checked	Notes A.C.G. Date
Date	Indexed B.J. OAL

F. B. 2341 PG. 213

B LINE

B-6 TO B-7

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD	PERIOD SHEAR	"B-7" TOTAL SHEAR
2-21-62	58.61	0.00	0.00	0.00	0.00
2-4-63	NO	CHANGE			
6-25-63	58.61	0.00	0.00	0.00	0.00
9-24-63	58.57	-0.04	-0.04	-0.05	-0.05
12-19-63	58.60	+0.03	-0.01	0.00	-0.05
3-24-64	58.63	+0.03	+0.02	-0.01	-0.06
7-6-64	58.63	0.00	+0.02	0.00	-0.06
12-16-64	58.63	0.00	+0.02	0.00	-0.06
7-26-65	58.63	0.00	+0.02	-0.04	-0.10
1-13-66	58.65	+0.02	+0.04	0.00	-0.10
7-22-66	58.73	+0.08	+0.12	-0.03	-0.13
1-5-67	58.73	0.00	+0.12	+0.03	-0.10
7-31-67	58.73	0.00	+0.12	0.00	-0.10
1-15-68	58.73	0.00	+0.12	0.00	-0.10
7-9-68	58.75	+0.02	+0.14	+0.01	-0.09
1-20-69	58.77	+0.02	+0.16	-0.03	-0.12
2-3-70	58.75	-0.02	-0.14	-0.04	-0.16

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

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

Do not extend this side of this line.

76F309S CE # 310 3-61

F. B. 2341 PG. 214

32.15

149.26 96 08

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

Do not extend this side of this line.

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

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

Survey of WEST ESCONDIDO BEACH
JN 4221.42 Tape _____ Std _____ °F
Surveyed by A.C. GUIZADO
Notes A.C.G. Date _____
Indexed E. J. GALLI

F. B. 2341 PG. 215

"B" LINE
B-7 TO B-8

DATE	DISTANCE	PERIOD SPREAD	TOTAL SPREAD
2-21-62	180.71	0.00	0.00
2-4-63	NO	CHANGE	
6-25-63	NO	CHANGE	
9-24-63	180.67	-0.04	-0.04
12-19-63	180.67	0.00	-0.04
3-24-64	180.67	0.00	-0.04
7-6-64	180.63	-0.04	-0.08
12-16-64	180.63	0.00	-0.08
7-23-65	180.63	0.00	-0.08
1-13-66	180.63	0.00	-0.08
7-22-66	180.56	-0.07	-0.15
1-5-67	180.58	+0.02	-0.13
7-31-67	180.64	-0.06	-0.19
1-15-68	180.54	0.00	-0.09
7-9-68	180.55	+0.01	-0.10
1-23-69	180.54	-0.01	-0.11
2-3-70	180.54	0.00	-0.11

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

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

78F3095 CE # 310 3-61

F.B. 2341 Pg. 201

Profile No. ____ X-Sec. No. ____ | Notes Red ____ Date ____ Notes Chkd ____ Date ____ | Plotted ____ Date ____ Checked ____ Date ____ | Job No. 0021.08 Division No. 11 | Survey of PUERCO CYN. LANDSLIDE AREA | Survey by K.LIND Notes K.MYERS Date 7-6-62 | Map No. ____ Indexed G. J. GALLI Date JUL 18 62

J.N. - 0021.08

PUERCO CANYON LANDSLIDE AREA

RERUN OF LEVELS OVER LINES A, B, & C

7-6-62
LIND, K
MYERS, K
HUCKABY, V
RODRIGUEZ, R.J.

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

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

Do not extend notes this side of this line.

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

76L-308 CE 307 11-58

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	PUERCO CYN. LANDSLIDE AREA "C"-LINE SOLISTICE CN. J-8A
B.M. 48-91	3393	164 156		160 763	B.M. 48-91 ELEV. = 160.763 PER. F.B. 2341-63
C-2			4804	159 352	C-2 L&TAG. IN CONC. CURB (101 HWY)
C-3			9074	155082	C-3 SQ HD. SPK. & T IN PVM'T (101 HWY)
T.P.	1008	154 022	11 142	153014	
C-4			3600	150422	C-4 CHIS CROSS IN CONC. PVM'T (101 HWY)
C-5			8451	145571	C-5 " " " " " " "
T.P.	1210	144 352	10880	143142	
C-6			2955	141 397	C-6 P.K. & T IN PVM'T (101 HWY)
C-7			5842	138510	C-7 L&C.E. TAG IN CONC. CB. (101 HWY)
B.M. 48-92	1520	135 717	10155	134197	B.M. 48-92 ELEV. = 134.189 PER F.B. 2341-64 (101 HWY)
C-8			3085	132 632	C-8 1" I.P. CONC. PLUG & C.E. TAG (101 HWY)
C-9			6838	128879	C-9 " " " " " " " " "
T.P.	0744	124 561	11900	123817	
T.P.	0463	114 862	10162	114399	
C-10			3128	111 734	C-10 1" I.P. CONC. PLUG & C.E. TAG (101 HWY)
T.P.	1483	105 125	11220	103642	
C-11			8269	96856	C-11 1" I.P. CONC. PLUG & C.E. TAG (101 HWY)
T.P.	0639	94 903	10861	94264	
C-12			5647	89256	C-12 1" I.P. CONC. PLUG & C.E TAG. (101 HWY)
T.P.	0493	83 992	11404	83499	
C-13			8349	75647	C-13 1" I.P. CONC. PLUG & C.E TAG (101 HWY)

F.B. 2341 Pg. 222

Job No. _____ Division No. 11 Notes Red _____ Plotted _____ Profile _____

Survey of PUERCO CYN. LANDSLIDE AREA Date _____ Date _____ No. _____

Survey by K. LINDH Notes K. MYERS Notes Chkd. _____ Checked _____ X-Sec. _____

Indexed C. J. [illegible] Date _____ Date _____ No. _____

76L-298 CE 307 11-58

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

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

P 4

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
					PUERCO CYN. LANDSLIDE AREA "C"-LINE
		83992			
T.P.	0621	73 165	11 448	72 544	
C-14	0843	64 498	9510	63 655	C-14 1" I.P. CONC. PLUG & C.E. TAG (101 HWY)
C-15	0610	53 723	11 385	53 113	C-15 SQ. HD. SPK & T (101 HWY)
T.P.	1 588	43 751	11 560	42 163	
B.M. 48-93			5351	38400	B.M. 48-93
T.P.	0664	33 550	10865	32886	
TP	3 292	25 254	11 588	21 962	
B.M. 48-95			8364	16890	B.M. 48-95 (END "C" LINE)
////	///	////	////	////	//// //// //// //// ////
B.M. 48-93	9753	48 164		38411	B.M. 48-93
T.P.	9065	54 939	2290	45874	
T.P.	9622	54 901	9660	45279	
B-13			7318	47 583	B-13 SQ. HD. SPK. W & T IN PVMT (PRIVATE RD.)
B-12	7 060	59 731	2230	52 671	B-12 1" I.P. CONC. PLUG & C.E. TAG (PRIVATE RD)
B-11			5655	54076	B-11 SQ. HD. SPK & T
B-10	6910	62 947	3694	56037	B-10, 1" I.P. CONC. PLUG & C.E. TAG (PRIVATE RD)
B-9			5625	57322	B-9 SQ. HD. SPK & T (PRIVATE RD)
B-8	6869	65 511	4305	58642	B-8 " " " " " "
B-7			4153	61358	B-7 1" I.P. CONC. PLUG & C.E. TAG (PRIVATE RD)
TP			2832	62679	

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2341 Pg. 223
X-Sec. No. ____ Date ____ Date ____ Survey of PUERCO CANYON LANDSLIDE AREA
Notes Chkd. ____ Checked ____ Survey by K. LIND Notes K. Myers Date 7-6-62
Date ____ Date ____ Map No. ____ Indexed ____

76L-298 CE 307 11-58

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

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

P X

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	DUERCO CYN. LANDSLIDE AREA "LINE-B"
T.P.	6471	69 150		62 679	
B-6			5792	63 358	B-6 SQ. HD. SPK. & T. (PRIVATE RD)
B-5			3710	65 440	B-5 " " " " " "
B-4	11 102	77 092	3160	65 990	B-4 NEW BLACK TOP PAVMT ON PRIVATE RD. MADE IT NECESSARY TO REPLACE THIS PT WITH SQ HD. SPK & T
B-3			8145	68 947	B-3 SAME AS ABOVE
B-2			6335	70 757	B-2 SQ HD. SPK & T (PRIVATE RD.)
B-1	11 876	87 798	1170	75 922	B-1 1" I.P. CONC. PLUG & C.E. TAG
B-1B	4213	87 798	4213	83 585	B-1B " " " " " " "
T.P.	1 250	77 172	11876	75 922	* (END "B"-LINE)
B-1A			6293	70 879	B-1A SQ HD. SPK. (NOTE: TIN IS MISSING THIS POINT MAY HAVE BEEN HIT)
T.P.	0294	65 869	11597	65 575	
T.P.	0714	56 370	10213	55 656	
T.P.	0874	45 614	11630	44 740	
T.P.	0672	35 721	10565	35 049	
A-5	5350	32 713	8358	27 363	A-5 SQ. HD. SPK & T (MALIBU RD) *START "A" LINE
A-6	3590	32 863	3440	29 273	A-6 BT. SPK. W & T (" ")
A-7			4815	28 048	A-7 SQ. HD. SPK & T (" ")
T.P.	3260	30 078	6045	26 818	SQ HD. SPK. & T.
A-8	3220	26 510	6788	23 290	A-8 SQ. HD. SPK. & T (MALIBU RD)
T.P.	4170	25 070	5610	20 900	
A-9			4565	20 505	A-9 SQ HD. SPK & T (MALIBU RD)

F.B. 2341 No. 234

Job No. 0021 98 Division No. 11 Notes Red Plotted Profile

Survey of DUERCO CYN. LANDSLIDE AREA Date 7-6-62 Date No. X-Sec.

Survey by K. LIND Notes K. MYERS Notes Chkd. Checked No.

Indexed C. J. GALLI Date Date Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	PUERCO CYN. LANDSLIDE AREA "A-LINE" & "D"-LINE
A-9	5500	26005		20505	A-9 SQ.HD. SPK & T (MALIBU RD)
T.P.	10740	36499	0246	25759	
T.P.	10163	46331	0331	36168	
T.P.	7288	53378	0241	46090	(*END A-LINE)
A-10	3135	53132	3381	49997	A-10 1"IP CONC. PLUG & C.E. TAG (END MALIBU RD)
T.P.	2833	47555	8410	44722	
B.M. 48-93			9145	38410	B.M. 48-93
					BEGIN LINE "D"
B-9	6250	63572		57322	B-9 SQ.HD. SPK. & T (PRIVATE RD)
D-12			5174	58398	D-12 1"IP. CONC. PLUG & C.E. TAG
D-11			4597	58975	D-11 " " " " " " "
D-10			4046	59526	D-10 " " " " " " "
D-9	6208	66720	3060	60512	D-9 " " " " " " "
D-8			3781	62939	D-8 CHIS. CROSS IN BLOCK WALL
D-7			3638	63082	D-7 " " " " "
D-6	6419	71203	1936	64784	D-6 " " " " "
D-5			5490	65713	D-5 1"IP CONC. PLUG & C.E. TAG
D-4			4830	66373	D-4 " " " " " " "
D-3	5958	74351	2810	68393	D-3 " " " " " " "
D-2			5408	68943	D-2 " " " " " " "
D-1			4205	70146	D-1 " " " " " " "

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.08 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of PUERCO CYN. LANDSLIDE AREA
Notes Chkd. ____ Checked ____ Survey by K. LIND Notes K. MYERS Date 7-6-62
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2341 Pg. 2[illegible]

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

F.B. 2341 Pg. 116
Survey of PUERCO CYN. LANDSLIDE AREA Date 7-6-62 Profile
Survey by K. LIND Notes K. MYERS Notes Chkd. Checked X-Sec.
Indexed E. J. GALLI Date Date Date No.
Job No. 00210 08 Division No. 11 Notes Red Plotted No.

STATION	B. S.	H. I.	F. S.	ELEV	PUERCO CYN. LANDSLIDE AREA LINE "D" CONT
D-1	5088	75234		70146	D-1 1" I.P. CONC. PLUG & C.E. TAG
T.P.	10730	85017	0947	74287	
B-1			9118	75899	B-1 1" I.P. CONC. PLUG & C.E. TAG
T.P.	11244	95559	0702	84315	
T.P.	11308	106196	0672	94887	
T.P.	11892	117894	0194	106002	
T.P.	11362	128753	0503	117391	
T.P.	9471	137957	0267	128486	
T.P.	11025	147259	1723	136234	
T.P.	11346	158149	0456	146803	
T.P.	8112	165715	0546	157603	
C-1			3039	162676	C-1 1" I.P. CONC. PLUG & C.E. TAG (101 HWY)
C-1A			4215	161500	C-1A LG. BT. SPK. W&T (101 HWY) SOLSTICE CYN. J-8-A (END "D" LINE)
B.M. 48-91			4967	160748	B.M. 48-91 ELEV = 160.763 PER. F.B. 2341-63

76L-298 CE 307 11-58

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

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

(P) 4

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	PUERCO CYN. LANDSLIDE AREA "A" LINE CONT.
A-5	2439	29802		27363	A-5 SQ. HD. SPK. & T (MALIBU RD.)
B.M. 3486D			5590	24212	B.M. 3486D ELEV. = 24.219 SEE F.B. 2341-69
T.P.	3580	26602	6780	23022	MALIBU RD. & PRIVATE ST. NE. COR. CAL. STATE LAND COMM BR. DISC. IN "N" END OF CULVERT. STA 116+01
A-4			5172	21430	A-4 SQ. HD. SPK & W. (MALIBU RD)
T.P.	4090	25182	5510	21092	T.P. SQ HD. SPK & T OPP. W. END HSE # 25165 (MALIBU RD.)
T.P.	4764	24786	5160	20022	
A-3			4687	20099	A-3 SQ. HD. SPK & W
T.P.	6173	27255	3704	21082	
A-2	6173	30718	2710	24545	A-2 LG BT. SPK. W & T @ MALIBU RD & PUERCO CYN RD
A-1.			4891	25827	A-1 " " " " " " " " " " " " " "
					*END LINE "A".

Profile Notes Red _____ Plotted _____ Job No. 0021.08 Division No. 11
No. X-Sec. Date _____ Date _____ Survey of PUERCO CYN. LANDSLIDE AREA
No. _____ Notes Chkd. _____ Checked _____ Survey by K. LIND Notes by K. LIND Date 7-6-62
Date _____ Date _____ Map No. _____ Indexed E. J. GALT Date _____

F.B. 2341 Pg. 22

F.B. 2341 Page 189

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.82 Division No. 11

Date ____ Date ____ Survey of WEST ESCONDIDO BEACH L.S. AREA

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by K. LIND Notes K. MYERS Date 7-10-62

Date ____ Date ____ Map No. ____ Indexed C. J. GALLY Date JUL 18 62

J.N. 0021.82

WEST ESCONDIDO BEACH

LAND SLIDE AREA

RE-RUN OF LEVELS OVER

CONTROL LINES "A" "B" & "C"

STATION	B.S.	H.I.	F.S.	ELEV.
			7-10-62 MYERS HOLDS BY RODRIGUEZ VALDEZ	

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

Do not extend notes this side of this line.

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

765-208 CE 307 11-58

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

F.B. 2341 Pg. 77A
Survey of WEST ESCONDIDO BEACH L.S. AREA Job No. 00218 Division No. 11 Notes Red Plotted Profile
Survey by K. LUND Notes K. MYERS Date 7-10-62 Checked No. X-Sec.
Indexed E. J. GALLI Date Notes Chkd. Date No.

STATION	B.S.	H.I.	F.S.	ELEV	WEST ESCONDIDO BEACH LANDSLIDE (LINES A, B & C)
B.M. 48-103	0931	121 001		120 070	B.M. 48-103 (SOLSTICE CYN. E-9) ELEV = 120.070 FB. 1369-86
A-1	1112	111 569	10544	110 457	A-1 SQ. HD. SPK. & T
A-2	0469	100269	11769	99 800	A-2 LG. BT. SPK. W & T * HOLD FOR "C" LINE
A-3	11000	100269	11000	89 269	A-3 SQ. HD SPK & T
T.P.	7560	107 360	0469	99 800	
C-1			1176	106184	C-1 SQ. HD. SPK. & T
C-2	7970	109921	5409	101951	C-2 " " " "
B-1	1167	105281	5807	104114	B-1 1" I.P. CONC. PLUG & C.E. TAG
B-2	2591	97 795	10077	95204	B-2 L & T IN CONC.
B-3			2304	95491	B-3 1" I.P. CONC. PLUG & C.E. TAG.
T.P.	2362	89 371	10786	87009	
B-4			4959	84412	B-4 SQ. HD SPK. & T
B-5			6926	82451	B-5 1" I.P. CONC. PLUG & C.E. TAG
T.P.	1358	82 332	8397	80974	
B-6	10935	81 865	11402	70930	B-6 1" I.P. CONC. PLUG & C.E. TAG.
B-7			12000	69 865	B-7 " " " " " " "
T.P.	11419	92 509	0775	81090	
T.P.	0189	89 980	2712	89797	
T.P.	3415	82 009	11392	78594	
B-8			6521	75488	B-8 2" I.P. CONC. PLUG & C.E. TAG

F.B. 2341 Pg. 231

Profile No. ____ X-Sec. No. ____
Notes Red ____ Date ____ Notes Chkd. ____ Date ____
Plotted ____ Date ____ Checked ____ Date ____
Job No. 0021.82 Division No. 11
Survey of West Escondido Beach L.S. Area
Survey by ACG Notes ACG Date 9-18-62
Map No. ____ Indexed C. J. GALLI Date SEP 21 62

JN 0021.82

WEST ESCONDIDO BEACH

LANDSLIDE AREA

RE RUN OF LEVELS OVER

CONTROL LINES A B E C

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

9-18-62
GUIZADO
SMITH
GLIDDEN
LYBRAND
GUIZADO

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

Do not extend notes this side of this line.

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

761-298 CE 307 11-58

76L-298 CE 307 11-58

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

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

X

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	WEST ESCONDIDO BEACH LANDSLIDE (LINES ABC)
BM 48-103	069	120 76		120 07	BM 48-103 (Solstice Ca E-9 FB 1369-86)
A-1	027	110 73	1030	110 46	A-1 SQ Hd spk&T. ELEV = 120.070)
A-2	108	100 87	1094	99 79	A-2 Lg. Bt spk&T * (Hold For "C" Line)
A-3			11 61	89 26	A-3 SQ Hd spk&T
TP	1092	110 71		91 79	*
C-1			453	106 18	C-1 SQ Hd spk&T
C-2	858	110 53	876	101 95	C-2 "
B-1	111	105 17	647	104 06	B-1 1" IP conc. plug & tag
B-2	475	99 96	996	95 21	B-2 L&T in conc
B-3			450	95 46	B-3 1" IP conc. plug & tag
TP	030	88 87	1139	88 57	
B-4			445	84 42	B-4 SQ Hd. spk & T
B-5			648	82 39	B-5 1" IP conc plug & tag
TP	055	77 49	11 93	76 94	*
B-6			657	70 92	B-6 "
B-7			767	69 82	B-7 "
TP	944	86 38		76 94	*
B-8			1091	75 47	B-8
BM 48-104			892	77 46	BM 48-104 ELEV = 77.477 FB 1369-87

F.B. 2341 Pg. 232 Job No. 202182 Division No. 11 Notes Red Plotted Profile
Survey of West Escondido Beach L.S. Area Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd. Checked No.
Indexed R. J. GALLI Date Date Date

F.B. 2341 Pg. 233

Profile No. ____ X-Sec. No. ____
Notes Red ____ Date ____ Notes Chkd. ____ Date ____
Plotted ____ Date ____ Checked ____ Date ____
Job No 0021.08 Division No. 11
Survey of PUERCO CO LANDSLIDE AREA
Survey by ACG Notes ____ Date 9-18-62
Map No. ____ Indexed C. J. GALLI Date SEP 21 62

JN - 0021.08

PUERCO CANYON

LANDSLIDE AREA

RERUN OF LEVELS OVER LINES A, B, ; C & D.

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

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

Do not extend notes this side of this line.

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

761-248 CE 307 11-58

76L-298 CE 307 11-58

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

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

(P)

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	PUERCO CA LANDSLIDE AREA "C" LINE
BM 48-91	2 02	162 78		160 76	BM 48-91 ELEV = 160.763
C-2			3 43	159 35	L&TAG.
C 3			7 70	155 08	SQ HD SPK & T
T-P	0 91	153 80	9 89	152 89	
C-4			3 38	150 42	CHIS. CROSS.
C-5			8 23	145 57	CHIS CROSS.
T-P	0 41	144 22	9 99	143 81	" "
C-6			2 84	141 38	PK. (OUT)
C-7			5 71	138 51	L & TAG.
B.M 48-92	1 24	135 44	10 02	134 20	BM. 48-92
C-8			2 80	132 64	1" I.P
C-9			6 56	128 88	"
T.P.	0 90	124 96	11 38	124 06	
"	1 23	115 14	11 05	113 91	
C-10			3 41	111 73	1" I.P
T.P.	0 53	104 49	11 18	103 96	"
C-11			7.66	96 83	1" I.P
T.P	0 53	94 80	10 22	94 27	
C-12			5 58	89 22	1" I.P.
T-P	0 25	84 08	10 97	83 83	
C-13			8 47	75 61	

F.B. 2341 Pg. 234

Job No. 002108 Division No. 11 Notes Red Plotted Profile

Survey of PUERCO CA LANDSLIDE AREA Date 9-18-62 Date No. X-Sec.

Survey by HCG Notes R.O.S. Notes Chkd. Checked No.

Indexed C. J. GALLI Date Date Date No.

76L-208 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		8408				
T.P	083	74 07	10 84	7324		
C-14	142	65 02	10 47	6360	1" I.P	
C-15	082	53 89	11 95	5307	Sq HD SPK & T.	
T.P.	333	46 02	11 20	4269		
BM 48-93			766	3836	BM 48-93	
BM 48-93	11 25	4966		3841	BM 48-93 EL.	38.411
T.P	758	54 35	289	4677		
"	1006	5680	761	4674		
B-13			922	4758	Sq HD SPK W & T	
B-12	727	5992	415	5265	1" I.P	
B-11			585	5407	Sq HD SPK & T	
B-10	623	6224	391	5601	1" I.P.	
B-9	646	6377	493	5731	Sq HD SPK & T	
B-8	651	6512	516	5861	" " " "	
B-7	633	6767	378	6134	1" I.P.	
B-6	638	6972	433	6334	Sq HD SPK & T	
B-5			430	6542	" " " "	
B-4	1141	7740	373	6599	" " " "	
B-3			846	6894	" " " "	

Profile Notes Red Plotted Job No. 0021.08 Division No. 11
No. X-Sec. Date Date Survey of PUERCO CN. LAND SURVEY Date 9-18-62
No. Date Notes Chkd. Checked Survey by A.S.G. Notes R.D.S. Date
Date Date Map No. Indexed C.J. GALLI Date

F.B. 2341 Pg. 23

76L-298 CE 307 11-58

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

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

(P)

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		77 40				
B-2			6 65	70 75	SQ HD SPK & T	
B-1	10 95	86 87	1 48	75 92	1" I.P	
B-1B	[illegible]	—	3 29	83 58	" "	
T-P	0 74	76 16	11 45	75 42	★ END "B" LINE.	
"	0 85	65 24	11 77	64 39		
"	0 70	54 08	11 86	53 38		
"	0 62	43 24	11 46	42 62		
"	2 27	33 58	11 93	31 31		
A-5	6 06	33 38	6 26	27 32	SQ HD SPK & T	
A-6	4 22	33 45	4 15	29 23	" " " "	
A-7	3 20	31 21	5 44	28 01	? (SPK & T DOUBTFUL)	
T-P	3 90	29 11	6 00	25 21		
A-8	3 38	26 62	5 87	23 24	SQ HD SPK & T	
T-P	3 78	24 90	5 50	21 12		
A-9	5 37	25 83	4 44	20 46	SQ HD SPK & T	
T.P	10 86	33 76	2 93	22 90		
"	11 22	44 61	0 37	33 39		
"	11 07	55 36	0 32	44 29		
A-10			5 40	49 96		
T-P	0 96	50 21	6 11	49 25		

F.B. 2341 Pg. 236 0021.08

Job No. Division No. 11 Notes Red Plotted Profile

Survey of PUERCO CN LAND SLIDE Date 9-18-62 Date No. X-Sec.

Survey by ACG Notes RDS. Notes Chkd. Checked No.

Indexed C. J. GALL Date Date Date No.

76L-298 CE 307 11-58

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

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

P

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		50 21				
BM 48-93			11 84	38 37	BM 48-93 EL.	38.411
B-9	6 28	63 59		57 31	B-9 SQ HD SPK ¢ (PRIVATE RD).	
D-12			5 21	58 38	1" I.P.	
D-11			4 63	58 96	"	
D-10	6 58	66 09	4 08	59 51	"	
D-9			5 60	60 49	"	
D-8	5 22	68 15	3 16	62 93	CHIS X. BLOCK WALL	
D-7			5 06	63 09	" " " "	
D-6			3 36	64 79	" " " "	
D-5	6 94	72 67	2 42	65 73	1" I.P. "	
D-4			6 28	66 39	" "	
D-3			4 28	68 39	" "	
D-2	5 00	73 96	3 71	68 96	" "	
D-1			3 82	70 14	" "	
T-P.	5 12	78 27	0 81	73 15	" "	
B-1			2 35	75 92	" " END "D" LINE.	

(OVER)

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0021.08 Division No. 11 Survey of PUERCO CN LAND SLIDE Survey by A C G Notes RDS Date 9-18-62 Map No. ____ Indexed C. J. GALLI Date ____

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

F.B. 2341 Pg. 237

76L-298 CE 307 11-58

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

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

(P)

Do not extend notes this side of this line.

F.B. 2341 Pg 238 | Job No. 00211.08 | Division No. 11 | Notes Red | Plotted | Profile
Survey of PUBLIC WORKS | Date 9-19-69 | Date | No. | X-Sec.
Survey by | Notes | Notes Chkd. | Checked | No.
Indexed C. J. GALLI | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV		
A-5	156	2888		2732	A-5 Sq HD SPK & T.	
T-P	444	2620	712	2176		
A-4			481	2139	Sq HD & W	
T-P.	461	2513	568	2052		
A-3	586	2593	506	2007	" " "	
A-2	418	2868	143	2450	BT. SPK W & T.	
A-1			289	2579	" " " "	
T-P	389	2550	706	2162		
"	548	2545	553	1997		
"	562	2652	455	2090		
"	748	3020	380	2272		
BM3486D			602	2418	BM. 3486D ELEV. 24.219	
					SEE. F.B 2341 - 69	

0021.08

F. B. 2341 Pg. 239

Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. 11

Date _____ Date _____ Survey of PUERCO CAN. W. S.

X-Sec. No. _____ Notes Chkd. _____ Checked _____ Survey by A C G Notes RDS Date 1-30-63

Date _____ Date _____ Map No. _____ Indexed R. J. CALLI Date [redacted] 763

J.N. 0021.08

PUERCO CANYON

LANDSLIDE AREA

RERUN OF LEVELS OVER LINES

A, B, C, & D.

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

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

Do not extend notes this side of this line.

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

761-295 S & E #307—1-56

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
BM 48-91	1 821	162 584		160.763	BM 48-91 ELEV	160.763
C-2			3 224	159 360	L+T	
C-3			7 499	155 085	SQ HD SPK + T.	
T.P.	0 363	152 380	10 567	152 017		
C-4			1 950	150 430	CHIS CROSS	
C-5			6 79[illegible]	[illegible]	" "	
C-6	0 249	141 642	10 987	141 393	PK (OUT)	
C-7			3 131	138 511	L+T	
BM 48-92	1 058	135 268	7 432	134 210	✓ BM 48-92 TRAV. MON.	
C-8			2 626	132 642	1" I.P.	
C-9			6 380	128 888	" "	
T.P.	0 202	124 265	11 205	124 063		
"	0 681	113 025	11 921	112 344		
C-10			1 287	111 738	1" I.P.	
T.P.	0 241	101 947	11 319	101 706		
C-11			5 103	96 844	1" I.P.	
T.P.	0 332	90 447	11 832	90 115		
C-12			1 211	89 236	1" I.P.	
T.P.	0 417	79 817	11 047	79 400		
C-13			4 162	75 655	1" I.P.	
T.P.	0 215	69 469	10 563	69 254		

F. B. 2341 Pg. 240 0021.08

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

Survey of PUERCO CH. L.S. Date 1-30-63 Date No.

Survey by ACG Notes R.D.S. Notes Chkd. Checked X-Sec.

Indexed E. J. GALLI Date Date Date No.

76L-298 CE 307 11-58

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

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

11970

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		69 469				
C-14			5 828	63641	1" I.P.	
	0 452	58 735	11 186	58283		
C-15			5 612	53123	SQ HD SPK & T	
T.P	1.925	49360	11 300	47435		
			10 948	38412	BM 48-93 TRAV. MON. ELEV. 38.411	
BM. 48-93	11970	50381		38 411	BM 48-93 TRAV. MON ELEV. 38.411	
T.P.	2 623	51 572	1 432	48949		
T.P.			0595	50977	★ (NEAR A-10)	
T.P.	10 058	56 409	5221	46351		
B-13			8 800	47609	1" I.P.	
B-12	7 418	60105	3 722	52 687	SQ HD SPK W&T	
B-11			6 003	54102	" " " "	
B-10	7 181	63224	4062	56043	1" " I.P.	
B-9			5 878	57346	SQ HD SKK W&T	
B-8	6 921	65558	4 587	58637	"	
B-7	6 042	67419	4 181	61377	1" " I.P.	
B-6	7 002	70383	4 038	63381	SQ HD SPK & T	
B 5			4 920	65463	" " " "	
B 4			4 313	66 070	" " " "	

Profile Notes Red Plotted Job No. 0021.08 Division No. 11 F.B. 2341 Pg. 241
No. X-Sec. Date Date Survey of PUERCO CN L.S. Date 1-30-63
Notes Chkd. Checked Survey by A.C.G. Notes RDS
No. Date Date Map No. Indexed B. J. GALLI Date

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

F.B. 2341 Pg 242 | Job No. 0021.08 | Division No. 11 | Notes Red | Plotted | Profile
Survey of PUERCO CN. No. | Date 1-30-63 | Date | No. | X-Sec.
Survey by A.C.G. | Notes IRDS. | Notes Chkd. | Checked | No.
Indexed C.J. GANT | Date | Date | Date

STATION	B.S.	H.I.	F.S.	ELEV		
B-4	11 334	77404		66 070	BPK & T	
B-3			8423	68981	" "	
B-2			6620	70784	" "	
B-1			1453	75951	1" I.P	
D-1			7251	70153	" " "	
D-2	4 356	73348	8412	68992	" " "	
D-3			4933	68415	" " "	
D-4			6938	66410	" " "	
D-5	3470	69224	7594	65754	" " "	
D-6			4422	64802	" " "	
D-7			6107	63117	" " "	
D-8	2431	65382	6273	62951	" " "	
D-9			4864	60518	" " "	
D-10	4088	63641	5829	59553	" " "	
D-11			4642	58999	" " "	
D-12			5223	58418	" " "	
B-9			6278	57363	" " "	
BM 48-93	10988	49399		38411	BM 48-93	(2-4-63)
	6117	52126	3390	46009		
A-10			2121	50005	Sta 10	1"IP

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		52 126				
TP	1 109	41 967	11 268	40 858		
"	0 267	30 415	11 819	30 148		
"	3 907	24 903	9 419	20 996		
A-9			4 380	20 523	Sta A-9	sghd spk &T
TP	6 144	26 956	4 091	20 812		
A-8			3 652	23 304	sta A8	
TP	6 550	30 603	2 903	24 053		
A-7	6 231	34 302	2 532	28 071	sta A-7	
A-6			5 015	29 287	" A-6	Bt spk W&T
A-5			6 932	27 370	" A-5	sghd spk &t
TP	3 107	27 337	10 072	24 230	24 219	
A-4	3 700	25 150	5 887	21 450	" A-4	
TP	4 816	24 865	5 101	20 049		
A-3			4 746	20 119	" A-3	
TP	5 693	27 730	2 828	22 037		
A-2			3 174	24 556	" A-2	
A-1			1 885	25 845	" A-1	Bt. spk W&T
	3 778	24 598	6 910	20 820		
	5 618	26 327	3 889	20 709		
	5 990	30 120	2 197	24 130		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 22108 Division No. 11 F.B. 2348 Pg. 243
X-Sec. No. ____ Date ____ Date ____ Survey of Puerco Cr. Ll
Notes Chkd. ____ Checked ____ Survey by ACG Notes ACG Date 2-4-63
Date ____ Date ____ Map No. ____ Indexed C. J. GAILL Date ____

F.B. 2341 Pg. 244 Job No. 0021 08 Division No. 11 Notes Red ____ Plotted ____ Profile

Survey of PUERCO Cm L.S. Date ____ Date ____ No. ____

Survey by ACG Notes ACG Notes Chkd. ____ Checked ____ X-Sec.

Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76L-298 CE 307 11-58

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
BM		30 120	5885	24235	BM 3486D Calif St BM Disc.	
					per pg 68, 69 elev=24.219	

Profile No. Notes Red. Date Plotted Date Job No. 0021.82 Division No. 11 F. B. 2341 Pg. 245
X-Sec. No. Notes Chkd. Date Checked Date Survey of West Escondido Beach LS
Survey by ACG Notes ACG Date 2-4-63
Map No. Indexed S. J. GALLI Date FEB 7 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.

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

Do not extend notes this side of this line.

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

JN 0021.82

WEST ESCONDIDO BEACH

LANDSLIDE AREA

RE RUN OF LEVELS OVER

CONTROL LINE A B & C

FEB 4, 1963

GUIZADO AC

SMITH

GLIDDEN

HYBRAND

GUIZADO G.O.

76L-298 S & E #307—1-56

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	WEST ESCON	
BM 48-103	1471	121 541		120 070	BM 48-103 (SOLSTICE CN E-9) FB 1369-86	ELEV = 120.070
A-1	0773	111 231	11 083	110 458	STA A-1	SQ hd spK & T
A-2	0362	100 160	11 433	99 798	" A-2	"
A-3			10895	89 265	" A-3	"
TP	6701	106 335	0526	99 634		
C-1			0151	106 184	" C-1	"
C-2			4382	101 953	" "	"
B-1			2279	104 056	" B-1	1" IP
TP	1130	96 268	11 197	95 138		
B-2			1068	95 200	" B-2	L&T
B-3			0824	95 444	" B-3	1" IP
B-4	0261	84 681	11 848	84 420	" B-4	SQ hd spK & T
B-5			2319	82 362	" B-5	1" IP
TP	8743	81 831	11 593	73 088		
B-6			10912	70 919	" B-6	"
B-7			12065	69 766	" B-7	"
TP	9627	90 290	1168	80 663		
TP	0985	85 686	5589	84 701		
B-8			10234	75 452	" B-8	
BM 48-104			8236	77 450	BM 48-104 ELEV = 77.477 FB 1369-87	

F. B. 2341 Pg. 246 Job No. 0021 08 Division No. 71 Notes Red. Plotted Profile
Survey of West Escondido Beach LS Date Date No.
Survey by ACG Notes ACG Notes Chkd. Checked X-Sec.
Indexed C. J. GAMI Date Date FEB 7 63 No.

Profile	Notes Red	Plotted	Job No. [illegible]	Division No. 11	F.B. 2341	Pg. 247
No.	Date	Date	Survey of [illegible]	[illegible]		
X-Sec.	Notes Chkd.	Checked	Survey by [illegible]	Notes [illegible]	Date 6-25-63	
No.	Date	Date	Map No.	Indexed C. J. GAULL	Date SEP 27 '63	

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

[illegible] 06 [illegible] 03

PUERCO CANYON [illegible]

RE-RUN OF LEVELS

OVER

CONTROL LINES A B C & D

6-25-63

LIND

MALDONADO

MARTINEZ

OHAHI

ALVAREZ

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

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	PUERCO CANYON LANDSLIDE
BM 48-91	2551	163314		160763	BM 48-91, EL* 160.763 - [illegible]
C-2			3967	159347	
C-3			8234	155080	
T.P.	0517	152670	11161	152153	
C-4			2233	150437	
C-5			7033	[illegible]	
C-6	1068	142451	[illegible]	141413	
C-7			3950	138531	
BM 48-92			8[illegible]	134[illegible]	
C-8	0717	133378	9[illegible]	132[illegible]	
C-9			4480	[illegible]	
T.P.	0338	123438	10278	123100	
C-10	1918	113674	11682	111756	1" I.P. Conc. P. & C.E. Tag.
T.P.	0637	103223	11088	102586	
C-11			6356	96867	" " " "
T.P.	0830	92.945	11108	92115	" " " "
C-12			3672	89273	" " " "
T.P.	0781	82258	11468	81477	
C-13			6553	75705	" " " "
T.P.	0755	71.298	11715	70543	
C-14			7598	63700	

F.B. 2341 PG. 248 Job No. [illegible] Division No. 11 Notes Red Plotted Profile
Survey of Puerco Canyon Landslide Date Date No. X-Sec.
Survey by Land Notes J. Maldonado Notes Chkd. Checked
Indexed C. J. GALLI Date Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		71298				
T.P.	1045	60728	11615	59683		
C-15			7548	53180	Sq. Hd. SPK. & Tin	
T.P.	1098	50308	11518	49210		
BM 48-93			11821	38487	BM 48-93 Elev. 38.411	Trav. Mon
BM 48-93	10960	49371		38411		
T.P.	4102	52991	0482	48889		
B-13	10182	57803	5370	47621	Sq. SPK. W. & T.	
B-11	7090	61193	3700	54103	Sq. Hd. SPK. & T.	
B-10			5184	56009	1" I.P. & Tag	
B-9	6330	63673	3850	57343	Sq. Hd. SPK. & T.	
B-8			5070	58603	" " " "	
T.P.	6902	67770	2805	60868		
B-7			6400	61370	1" I.P. & Tag	
B-6			4405	63365	Sq. Hd. SPK. & Tin	
B-5	8770	74248	2292	65478	" " " "	
B-4			8152	66096	Sq. Hd. & Tin	
B-3			5277	68971	" " "	
B-2			3464	70784	" " "	
T.P.			1225	73023		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.08 Division No. 11 F.B. 2341 PG. 244
X-Sec. No. ____ Date ____ Date ____ Survey of Puerco Cyn Landslide
Notes Chkd. ____ Checked ____ Survey by Lind Notes JMM Date 6-25-63
Date ____ Date ____ Map No. ____ Indexed C. J. GAHH Date ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
T.P.	5332	78355		73023		
B-1			2406	75949	1" I.P. & Tag	
D-1	4330	74475	8210	70145	" " "	
D-2			5460	69015	" " "	
D-3	3242	71697	6020	68455	" " "	
D-4			5260	66437	" " "	
D-5 T.P.	3164	68921	5940	65757	" " "	
D-6			4130	64791	Chis. "X" in Block Wall	
D-7			5800	63121	" " " " "	
D-8 T.P.	2015	64986	5953	62971	" " " " "	
D-9			4470	60516	1" I.P. & Tag	
D-10			5413	59573	" " "	
D-11 T.P.	4117	63135	5968	59018	" " "	
D-12			4698	58437	" " "	
B-9			5741	57394	Sq. Hd. SPK. & T	

F.B. 2341 PG. 250

Job No. 0021.08 Division No. 11 Notes Red ____ Plotted ____ Profile ____

Survey of Puerco Cyn. Landslide Date ____ Date ____ No. ____

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

Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile Notes Red Plotted Job No. 232.08 Division No. 11
No. Date Date Survey of Pierce Cyn. Laguna Ridge
X-Sec. Notes Chkd. Checked Survey by Lind Notes T.M.M. Date 6-25-63
No. Date Date Map No. Indexed C. I. GALL Date

F.B. 2341 Pg. 25

STATION	B. S.	H. I.	F. S.	ELEV.		
BM 48-93	11618	50029		38411	BM 48-93 Elev. 38.411	
T.P.	5870	54791	1108	48921		
"	0881	44687	10985	43806		
"	1237	34609	11315	33372		
T.P	2548	25707	11450	23159		
A-9	4672	25206	5173	20534	Sq. Hd. & Tin	
T.P.	5828	26814	4220	20986		
A-8	5898	29212	3500	23314	SPK. & Tin	
T.P.	5955	31806	3361	25851		
A-7	5850	33928	3728	28078	Sq. Hd. & T.	
A-6			4652	29276	BY. SPK W. & Tin	
T.P.	3770	32563	5130	28798		
A-5			5212	27352	Sq. Hd. W. & T.	
BM 34-86 D			8350	24218	BM 34-86-D	Elev. 24.219
34-86-D	5302	29521		24219	BM 34-86-D	Elev. 24.219
T.P.	3528	26400	6649	22872		
A-4			4974	21426	Sq. Hd. W. & T.	
T.P.	4483	25222	5661	20739		
A-3	5725	25824	5123	20099	" " "	
T.P.			3068	22756		

F.B. 2341 Pg. 252

Job No. 0021.08 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of Puerco Cyn. Landslide Date _____ Date _____ No. _____

Survey by Lind Notes J. Maldonado Notes Chkd. _____ Checked _____ X-Sec.

Indexed E. J. GALLI Date _____ Date _____ Date _____ No. _____

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
TP	6.00	29.15		22.15	
A-2			4.22	24.93	S. SPK. W.S.T.
A-1			3.22	25.83	Z.T. SPK. W.S.T.

Profile No. ____ X-Sec. No. ____

Notes Red ____ Date ____ Notes Chkd. ____ Date ____

Plotted ____ Date ____ Checked ____ Date ____

Job No. 0021.82 Division No. 11

Survey of WEST ESCONDIDO BEACH LAND SURVEY

Survey by LUND Notes LUND Date 6-26-63

Map No. ____ Indexed C. J. GALLI Date SEP 27 '63

F.B. 2341 Pg. 253

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
					L.N. 0021.82 WEST ESCONDIDO BEACH LAND SURVEY
					RE-RUN OF LEVELS OVER LINES ABEC.
				JUNE 26 1963	
			LUND		
			MARTINEZ		
			CHAIN		
			EQUATED		

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	WEST ESCONDIDO BEACH LANDSLIDE
BM 48-103	1810	121 880		120 070	BM 48-103, EL= 120.070, FB 1369-82
A-1	1232	111 699	11 413	110 467	
A-2	1326	101 142	11 883	99 816	
A-3	9467	101 142	9 467	91 675	
T.P.	11 572	111 388	1326	99 916	
C-1			5189	106 199	
C-2	3620	105 580	9429	101 960	
B-1			1558	104 022	
T.P.	3930	99 792	9718	95 862	
B-2			4570	95 222	
B-3	4015	99 488	4319	95 473	
T.P.	1377	89 506	11 359	88 129	
B-4			5039	84 467	
B-5			7028	82 478	
T.P.	0547	78 515	11 538	77 968	
B-6			7522	70 [illegible]	
B-7			8212	69 [illegible]	
T.P.	11 522	89 490	[illegible]	[illegible]	
T.P.	0502	84 977	4815	84 675	
B-8			9469	75 [illegible]	
BM 48-104			7465	77 512	BM 48-104, EL= 77.477, FB: 1369-82

F.B. 2341 Pg. 254

Survey of W. ESCONDIDO BEACH LANDSLIDE Job No. 0021 82 Division No. 11 Notes Red Plotted Profile

Survey by LHD Notes LHD Date Notes Chkd. Date Checked No. X-Sec.

Indexed C. J. GAULL Date Date Date No.

F.B. 2341 Pg. 255

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.09 Division No. 11

Date ____ Date ____ Survey of PUENTE CANYON LANDSLIDE

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 9-23-63

Date ____ Date ____ Map No. ____ Indexed R. J. GALLO Date SEP 25 '63

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
					W.O. 0021.09 PUENTE CANYON LANDSLIDE
					RE-RUN OF LEVEL OVER CONTROL LINE 4+50
				9-23-63	
				LIND MCDONALD	
				MARTINEZ CHANG	

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PUERCO CANYON	LANDSLIDE
BM 48-91	2821	163 584		160 763	BM 48-91 EL= 160.763 FB 2341-63	
C-2			4223	159 361		
C-3			8 502	155 082		
T.P.	0557	152 700	11 441	152143		
C-4			2270	150430		
C-5			7124	145 574		
C-6	0451	141 849	11 302	141398		
C-7			3278	138 571		
BM 48-92			7628	134 221	BM 48-92	
C-8	0920	133 630	9139	132 710		
C-9			4745	128 885		
T.P.	1291	123 370	11 551	122 079		
C-10	1419	113 137	11 652	111 713		
T.P.	1399	103 187	11 349	101 733		
C-11			6370	96 817		
TP	1352	92 965	11 574	91 613		
C-12			3753	89 212		
T.P.	2854	84 340	11 479	81 486		
C-13			8712	75 628		
TP	1884	73 893	12331	72 009		
C-14	2202	65 807	10288	63 605		

F.B. 2341 Pg. 256
Job No. 002108 Division No. 11 Notes Red Plotted Profile
Survey of PUERCO CYN. LANDSLIDE Date Date No. X-Sec.
Survey by LIND Notes LIND Notes Chkd. Checked No.
Indexed L. J. GAIN Date Date Date

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PUENTE CYN. LAND SLIDE	
		65 807				
T.P.	2309	56 606	11 510	54 297		
C-15			7519	53 087		
T.P.	2065	46 996	11 678	44 925		
BM 48-93			5 621	39 375	BM 48-93 EL=	38.411
BM 48-93	11 143	49 554		38 411	BM 48-93 EL=	38.411
T.P.	6130	53 913	1921	47 633		
T.P.	10 748	54 719	9942	43 971		
B-13			7132	47 587		
T.P.	7571	60 [illegible]	1810	52 907		
B-11			6367	54 093		
B-10			4471	56 009		
T.P.	5778	62 817	3441	57 039		
B-9			5491	57 326		
B-8	6810	65 406	4321	58 596		
B-7			4043	61 363		
TP	6419	69 004	1830	62 584		
B-6			5246	63 758		
B-5			3560	65 444		
T.P.	11 267	77 891	2390	66 414		

Profile Notes Red____ Plotted____ Job No.____ Division No. 11
No.____ Date____ Date____ Survey of PUENTE CYN. LAND SLIDE
X-Sec. Notes Chkd.____ Checked____ Survey by LEVD Notes LEVD Date 7-27-53
No.____ Date____ Date____ Map No.____ Indexed C. J. GALL Date____

F. B. 2341 Pg. 25

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Puerco Cyn. Landslide	
		77 881				
B-3			8921	68 [illegible]		
B-2			7113	70 [illegible]		
B-1			1953	75 928		
B-4			11 803	66 078		
D-1			7801	70 [illegible]		
D-2	4482	73 435	8928	68 953		
D-3			5052	[illegible]		
D-4			[illegible]	[illegible]		
D-5	[illegible]	69 073	7750	[illegible]		
D-6			[illegible]	[illegible]		
D-7			[illegible]	[illegible]		
D-8	2909	65 733	[illegible]	62 874		
D-9			[illegible]	[illegible]		
D-10	4076	63 530	[illegible]	59 50[illegible]		
D-11			[illegible]	58943		
D-12			[illegible]	[illegible]		
B-9			[illegible]	57321	B-9 ELEV=	57.326 PG 157

F. B. 7341 PG. 758

Job No. 2021.08 Division No. 11 Notes Red Plotted Profile

Survey of Puerco Cyn. Landslide Date Date No. X-Sec.

Survey by [illegible] Notes [illegible] Notes Chkd. Checked No.

Indexed C. J. GALLI Date Date Date

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile Notes Red____ Plotted____ Job No. 0021.06 Division No. 11 F.B. 2311 Pg. 159
No.____ Date____ Date____ Survey of PUEBLO CYN. LANDSLIDE
X-Sec. Notes Chkd.____ Checked____ Survey by LWP Notes LWP Date 2-23-63
No.____ Date____ Date____ Map No.____ Indexed R.J. GALL Date____

STATION	B.S.	H.I.	F.S.	ELEV.	PUEBLO CYN. LANDSLIDE
BM 48-93	11529	49 940		38 411	BM 48-93 EL= 38.411
T.P.	6528	53 666	2802	47 138	
T.P.	0651	42 895	11422	42 244	
T.P.	0900	33 469	10327	32 563	
T.P.	3751	25 439	11780	21 695	
A-9			5931	20 508	
T.P.	5234	24 924	5749	19 690	
T.P.	6299	27 824	3299	21 525	
A-8			4539	23 285	
T.P.	5733	31 297	2310	28 564	
A-1	5962	33 910	2249	27 661	
A-6			4440	29 470	
T.P.	3769	32 205	5074	29 831	
A-5			5764	27 341	
BM 34-86-D	5171	29 374	8402	24 203	BM 34-86-D EL= 24.219
T.P.	3498	26 202	6670	22 704	
A-4			4779	21 423	
T.P.	4451	24 931	5722	20 480	
A-3	6209	26 283	4857	20 074	
A-2			1760	24 523	
A-1			0479	25 804	

Profile	Notes Red	Plotted	Job No. 0021.82	Division No. 11	F.B. 2341	Pg. 261
No.	Date	Date	Survey of WEST ESCONDIDO BEACH LANDSLIDE			
X-Sec.	Notes Chkd.	Checked	Survey by LIND	Notes LIND	Date 9-24-63	
No.	Date	Date	Map No.	Indexed C. J. GAULT	Date SEP 27 63	

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

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

Do not extend notes this side of this line.

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

L/N. 0021.82

WEST ESCONDIDO BEACH LANDSLIDE

RE RUN OF LEVELS

OVER

CONTROL LINES A B & C.

9-24-63

LIND
MALDONADO
MARTINEZ
OHASHI

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	WEST ESCONDIDO BEACH LANDSLIDE	
B.M 48-103	1559	121 627		120 070	B.M. 48-103 EL=	120.070
T.P.	1510	111 582	11 617	110 012		FB 1369-82
A-1			1125	110 457		
A-2	10 853	110 633	11 734	99 799		
C-1			4444	106 192		
C-2	4 593	102 542	8 692	101 944	✓	
B-2			[illegible]	95 [illegible]		
B-3	4451	99 873	7 120	95 422		
T.P.	1250	90 177	10 944	88 927		
B-4			5 168	84 411		
B-5			7816	82 [illegible]		
T.P.	0699	88 590	2288	87 891	* HOLD POINT	
T.P.	1382	78 803	11 169	77 421		
B-6			7 909	70 89[illegible]		
B-7			[illegible]	[illegible]		
T.P.	6966	94 857		87 891	* HOLD POINT	
A-3			5593	89 264		
T.P.	1036	85 146	10747	84 110		
B-8			9722	75 424		
BM 48-104			7729	77 417	BM 48-104	
					EL= 77.477	REF FB 1369.

Cont. TO FB. 3161-5

F.B. 2341 Pg. 262

Job No. 0021.82 Division No. 11 Notes Red Plotted Profile

Survey of WEST ESCONDIDO BEACH LANDSLIDE Date Date No.

Survey by LIND Notes LIND Notes Chkd. Checked X-Sec.

Indexed T. J. GALLI Date Date Date No.