Notes Ck'd by	Survey of Geodetic Control
Map No.	W. O. 0301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. Stock
Checked	Notes Stock Date 9-12-56
Date	Indexed A. C. Johnson OCT 22 56

F. B. 949 Pg. 5

L.A. CO. SURVEY CONTROL SYSTEM
J.N. 0301.00

PORTUGUESE BEND LANDSLIDE AREA

PARTY

STOCK	BAY
RICHARDS	SMITH
WILKS	MC KNIGHT
LYBRAND	WALLACE
MOYA	CROWDER
	DEHLINGER

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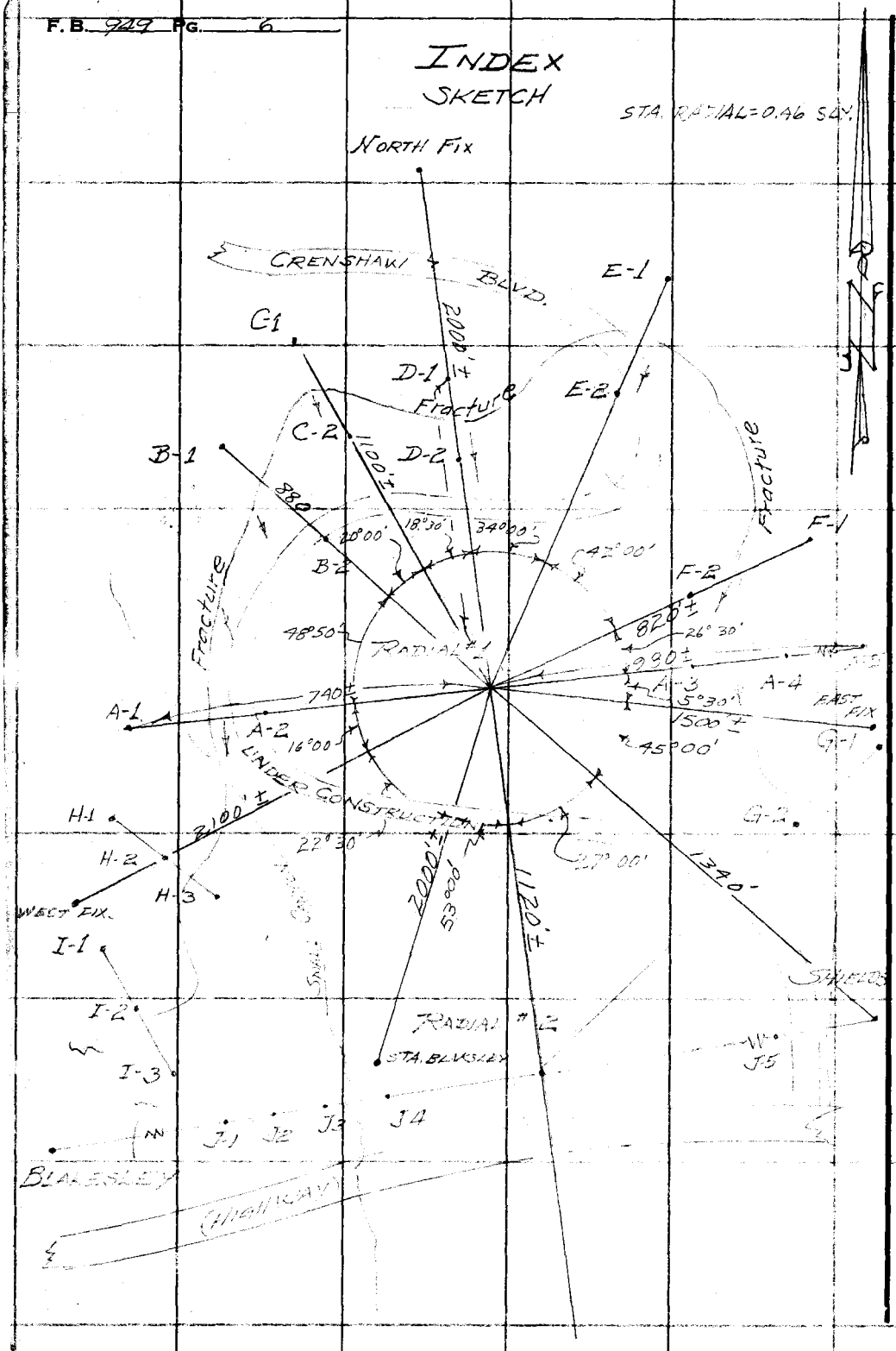
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F30DS S&E #247. 8-54

F.B. 929 PG. 6

INDEX SKETCH

STA. RADIAL = 0.46 SQ.M.



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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. 00301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. B. STOCK
Checked	Notes STOCK Date 9-12-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 7

INDEX

STATION	LINE	PAGE
A-1	"A" LINE	9
A-2	"	
A-3	"	
A-4	"	
A-5	"	
RADIAL #1	"	
B-1	"B" LINE	10
RADIAL #1	"	
C-1	"C" LINE	11
C-2	"	
RADIAL #1	"	
D-1	"D" LINE	12
D-2	"	
RADIAL #1	"	
E-1	"E" LINE	13
E-2	"	
RADIAL #1	"	
F-1	"F" LINE	14
F-2	"	
RADIAL #1	"	
F-3		
G-1	"G" LINE	15
G-2	"	
RADIAL #2	"	
H-1	"H" LINE	16
H-2	"	
H-3	"	
H-4	"	
I-1	"I" LINE	17
I-2	"	
I-3	"	
BLANKEY	"J" LINE	18
J-1	"	19
J-2	"	20
J-3	"	
RADIAL #2	"	21
RADIAL #2 ECC		
J-5	"	22
SHIELDS	"	
CADASTRAL TIE	K-6 to OLD & PALOS VERDES DR. EAST	23
TRAVERSE TIE	A1 to A1	24

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76F3095 S&E #247. 8-54

F. B. 249 PG. 8

INDEX

STATION.		PAGE
G1 & EAST FIX	TRAV. TIE from A5	25
SPREAD & OFFSETS		27-58
K LINE TRAVERSE		59-60
FRACTURE LINE STADIA LOCATION		61-64
San Pedro Hills K7 description		65-66
" " " G7	"	67-68
" " " H7A & Ecc.	"	69-70
" " " E8A	"	71-72
North FIX	"	73-74
East FIX	"	75-76
"SLID"	"	77-78
West FIX	"	79-80
"B" Line revision		81-83
TBM "27"		84
San Pedro Hills D7A AUX	"	85-86

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Map No.	W. O. 2301.00 Tape No. 138 St'd. 84 °F
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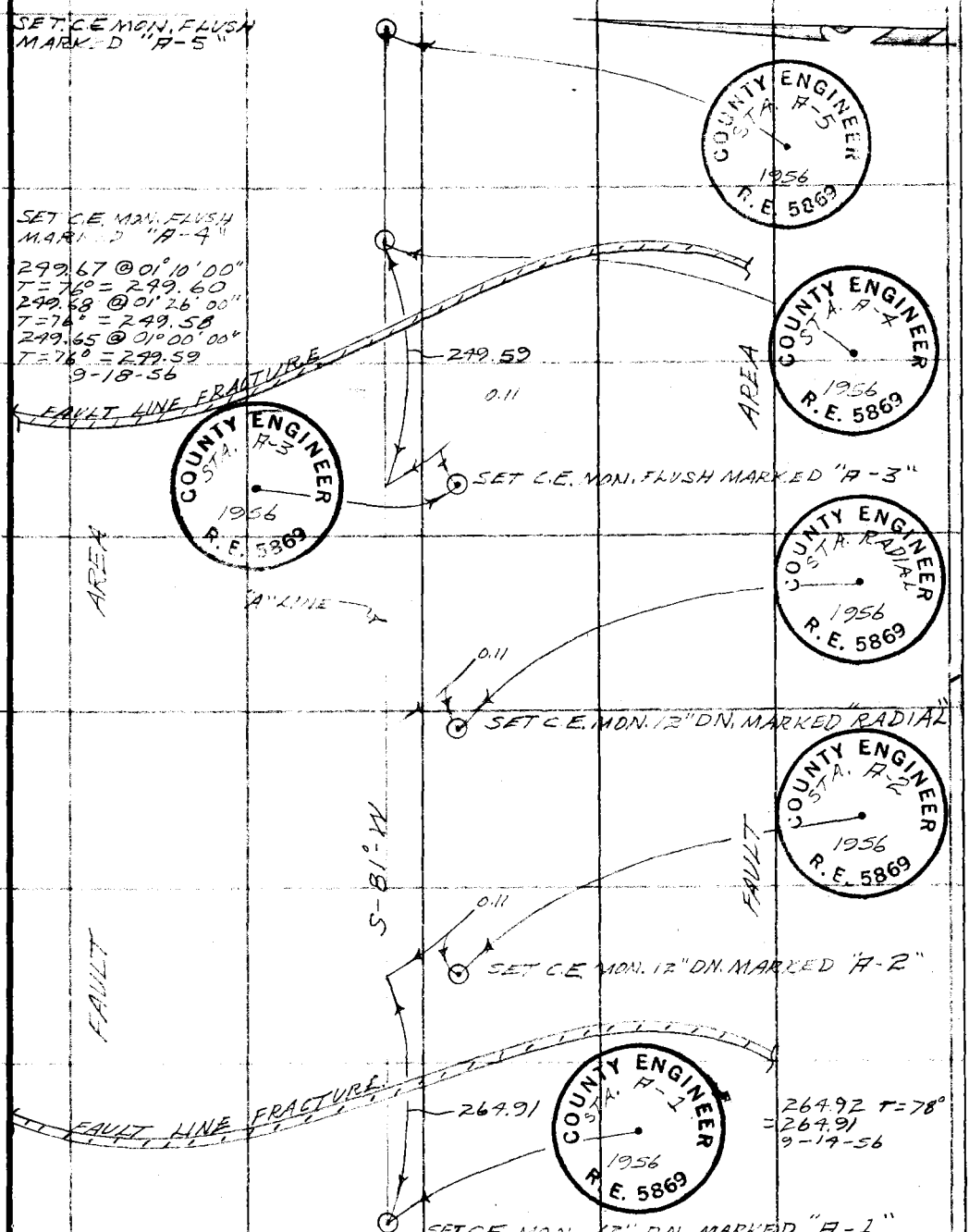
Checked	Notes RICHARDS Date 9-18-56
Date	Indexed A. C. Johnson

F. B. 949 Pg. 9

"A" LINE



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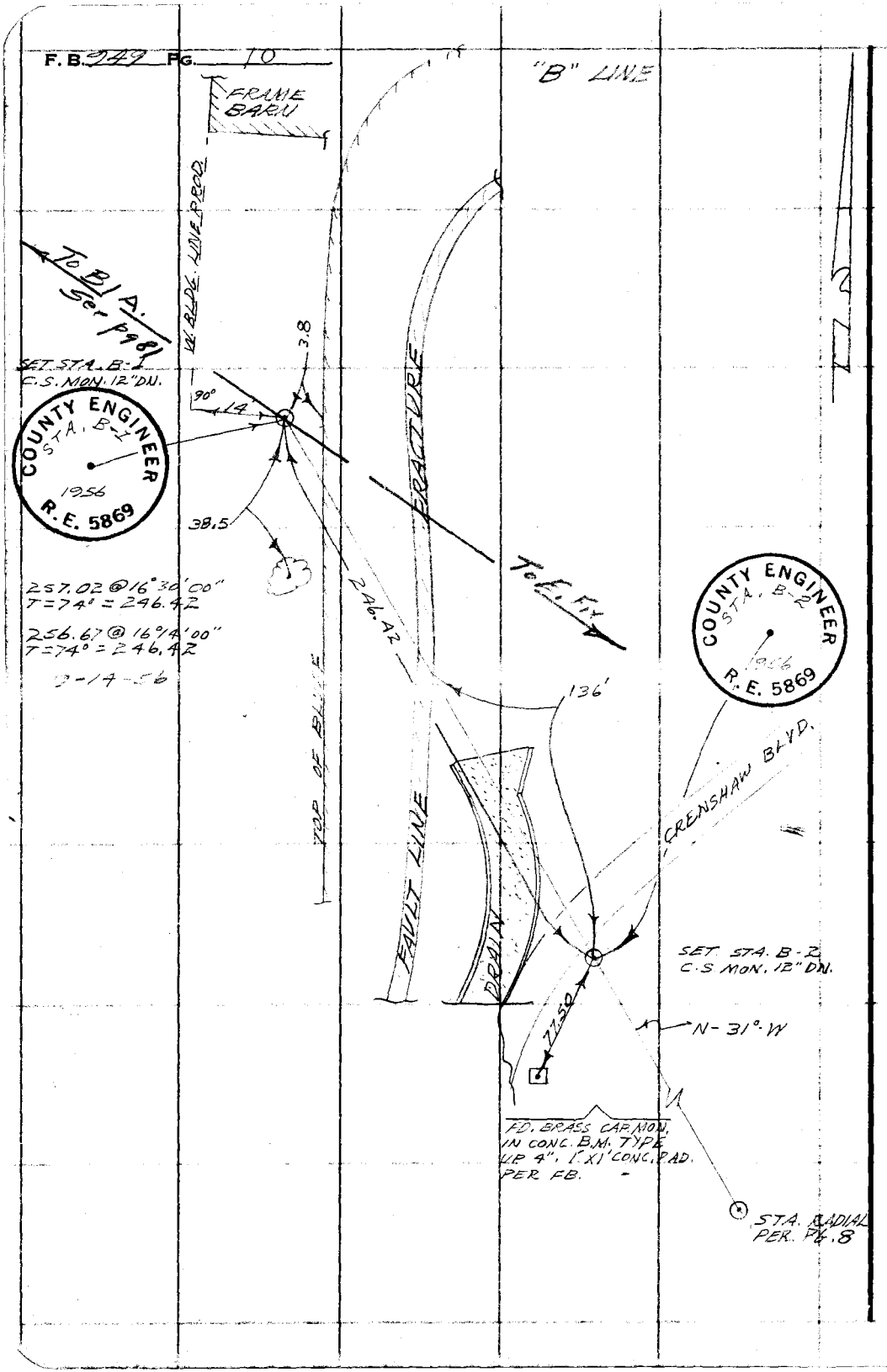
F. B. 949 PG. 10



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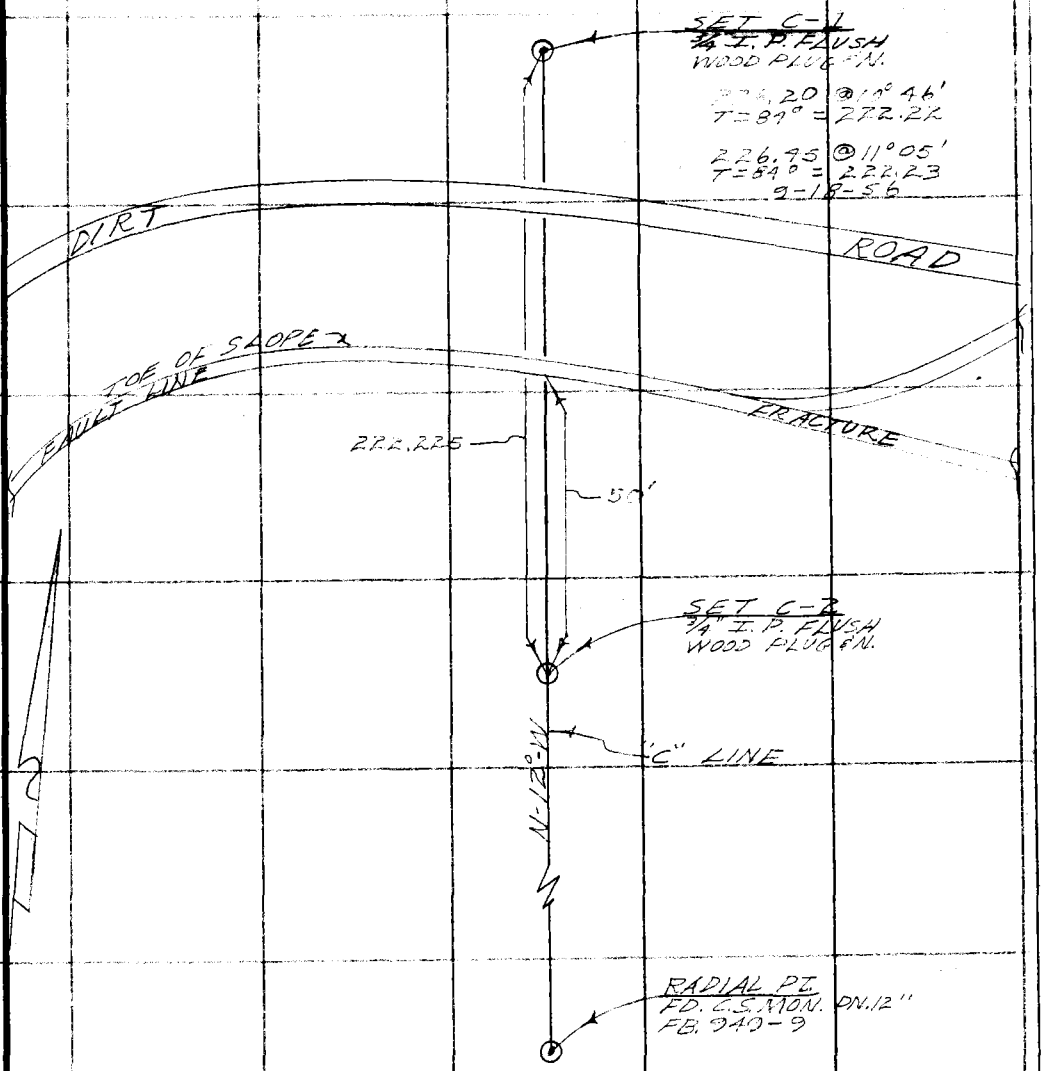
Map No.	W. O. 8301.00 Tape No. 38 St'd. 81° °F
Office Work	Surveyed by H. P. STOCK
Checked	Notes RICHARDS Date 9-19-56
Date	Indexed A. C. Johnson

F. B. 2401 Pg. 11

"C" LINE



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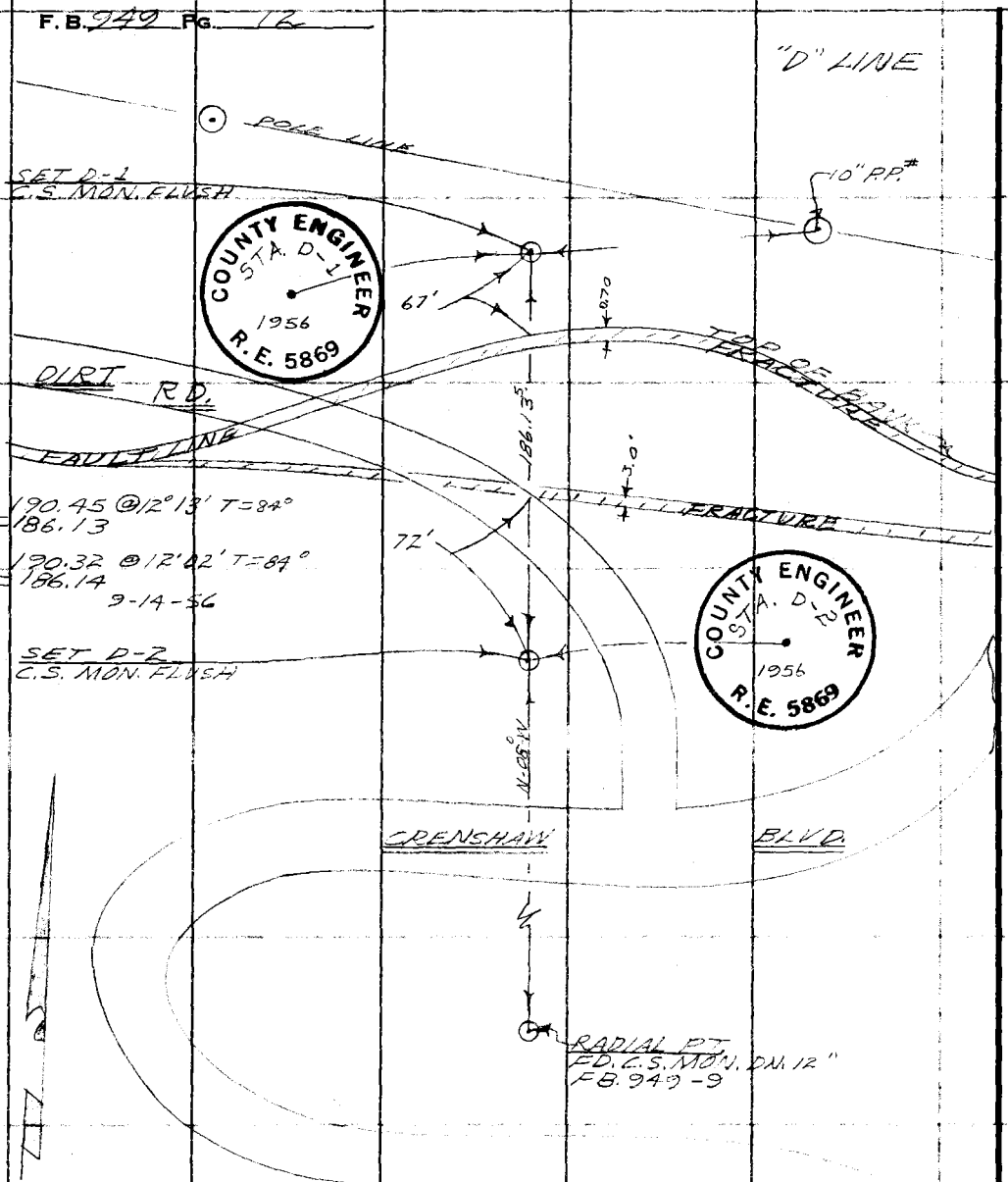
76F3095 S&E #247. 8-54

F. B. 949 PG. 16



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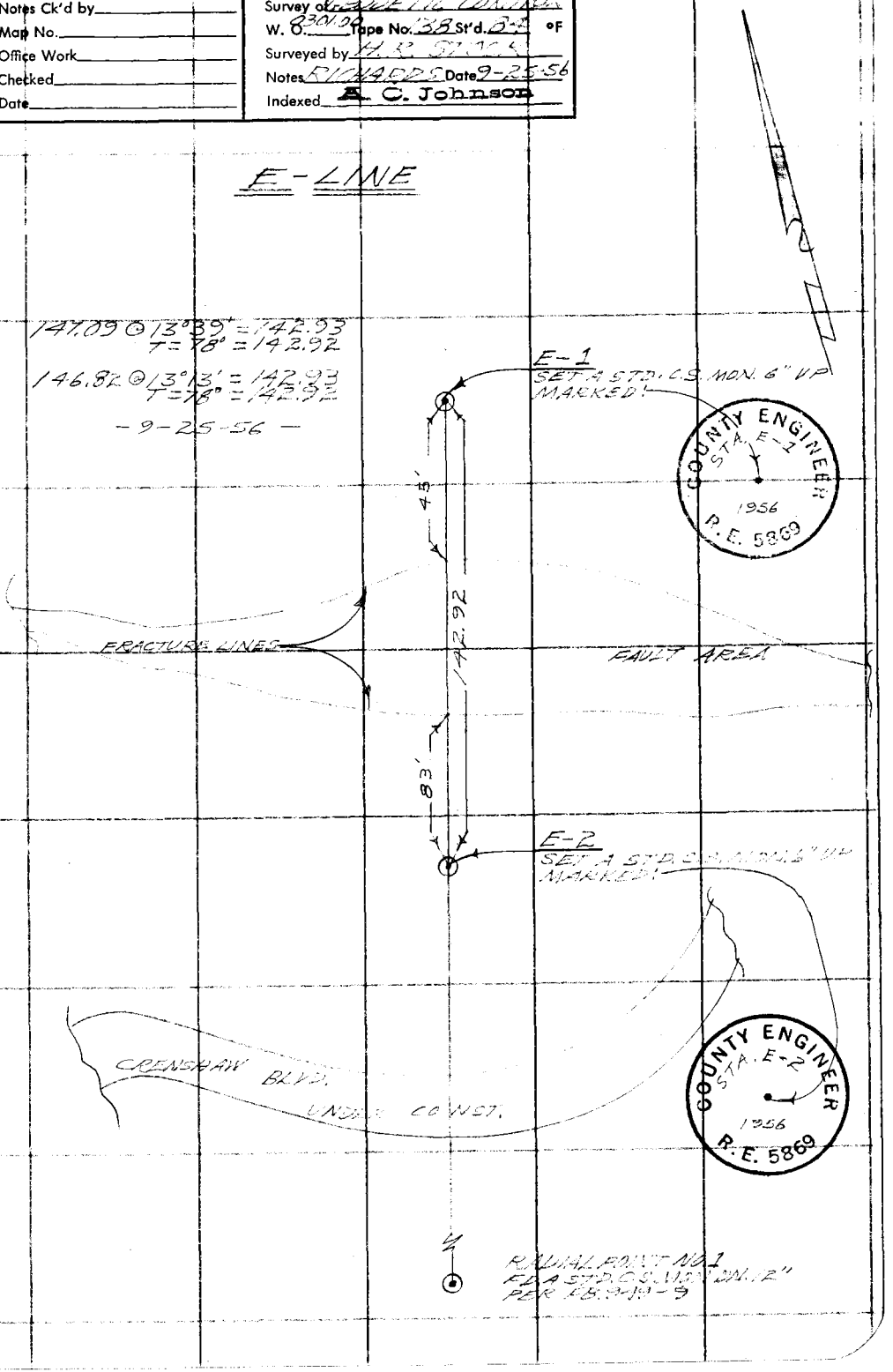
Map No.	W. O. 8301.00 Tape No. 138 St'd. 8-? °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes RICHARDS Date 9-25-56
Date	Indexed A. C. Johnson

F. B. 9-19 PG. 13



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76F309S S&E #247. 8-54

F. B. 949 PG.

F-LINE

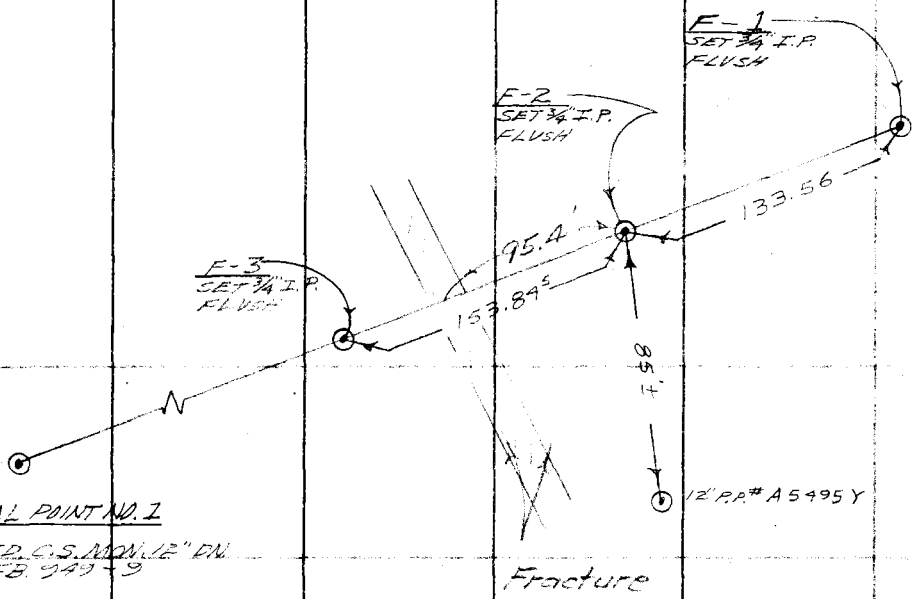
9-29-56

160.95 @ 33°56'15" = 133.53
T = 96° = 133.55

160.63 @ 33°45'30" = 133.55
T = 96° = 133.57

157.76 @ 12°50'00" = 153.82
T = 96° = 153.84

157.53 @ 12°26'30" = 153.83
T = 96° = 153.85



RADIAL POINT NO. 1

FD. STP. C.S. MON. 12" DN.
PER F.B. 949-9

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Map No.	W. O. 0301.00 Tape No. 75 St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date [illegible]-19-56
Date	Indexed A. C. Johnson

F. B. [illegible] PG. [illegible]

"G" LINE

266.92 @ 17°28'40", T=90° = 254.61
267.47 @ 17°50'40", T=90° = 254.62

G-1 Set a std. pre-cast C.E. MON. up 4" and stamped "G-1, 1956" R.E. 5867.

ROAD

109'

254.62

Fracture

DIRT

New Crenshaw Blvd. (Under Const.)

ROAD

DIRT

G-2 Set a std. pre-cast C.E. MON. up 3" and stamped G-2, 1956 R.E. 5867.' on line to RADIAL #2.

To RADIAL #2

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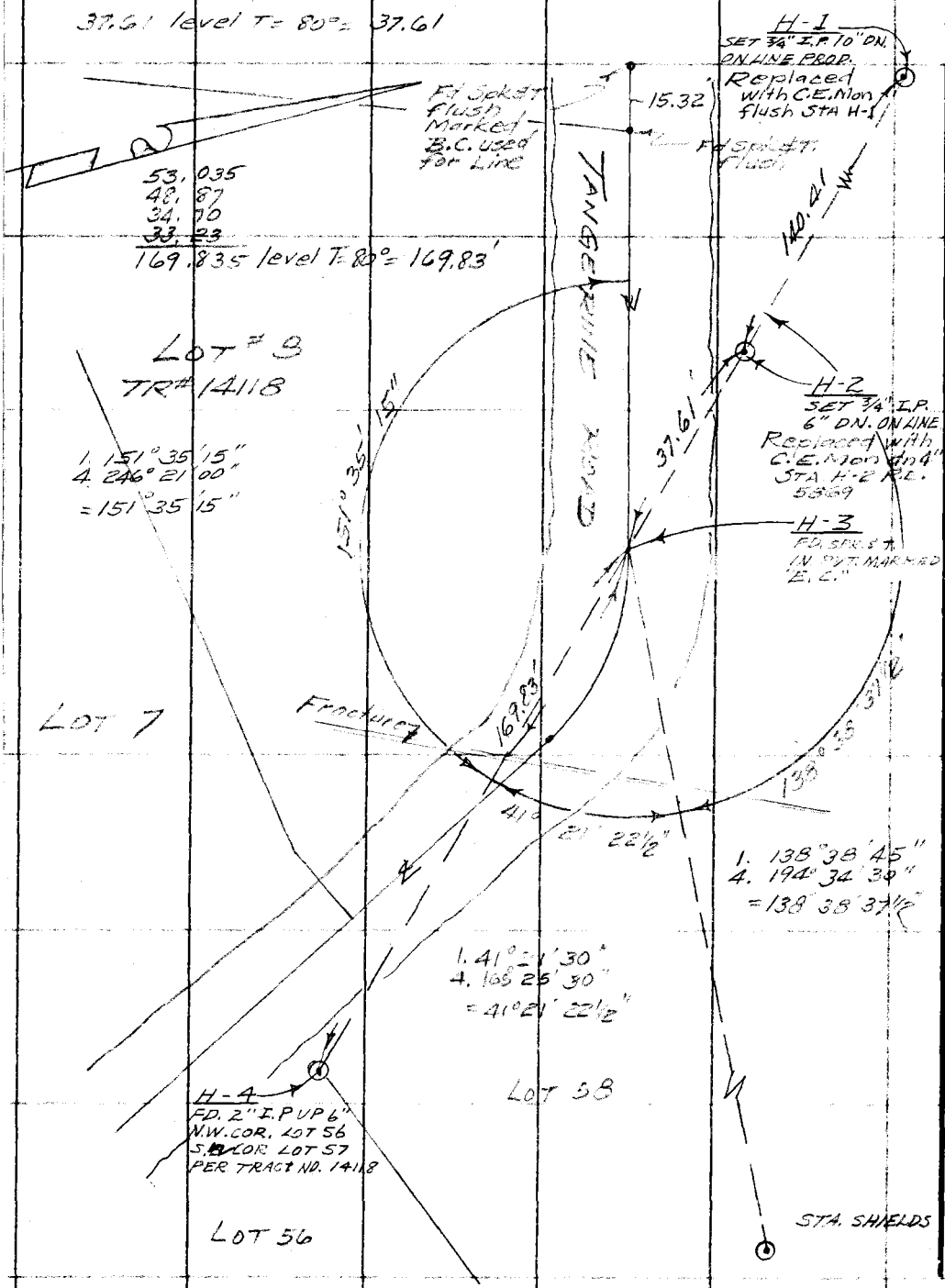
76F309S S&E #247. 8-54

F. B. 949 PG. 16

"H" - LINE

141.28' @ 06°21' T=80° = 140.41'
141.46 @ 06°59' T=80° = 140.41'
37.61 level T=80° = 37.61



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Office Work	Surveyed by H. R. Stock
Checked	Notes Stock Date 9-19-56
Date	Indexed A. C. Johnson

F. B. 949 Pg. 17

"I" LINE

I-1 fd a 2" I.P. Conc. Plug
No tag used Hole
in ctr for Point

1.136° 52' 30"
4.187° 30' 00"
= 134° 52' 30"

LOT #21

136°
52' 30"

LOT #24

LOT #25

I-2 fd a 2" I.P. Conc. Plug
& R.E. 2208 tag dn 6"
Used for Point

186.24

99.96'

KUMQUAT LANE

Fd 2" I.P. flush
conc plug &
R.E. 2208 T.M.

26.18'

Fd old exe

42'

133.81'

TRACT #14118

Fracture

LINE TO STA SHIELDS

LOT #31

LOT #30

Fracture

Set 3/4" I.P. as
I-3 tangent
and dn 3" in
gravel walk

I_1 to I_2
128.22' @ 10°06' T = 74° = 126.33'
128.51' @ 10°49' T = 74° = 126.25'
Mean = 126.24

I_2 to I_3
133.82 level T = 74° = 133.81

I_2 to S.W. Cor of Lot #24 a 2" I.P.
100.08 @ 02°41' T = 74° = 99.96'
100.12 @ 03°08' " " = 99.96'

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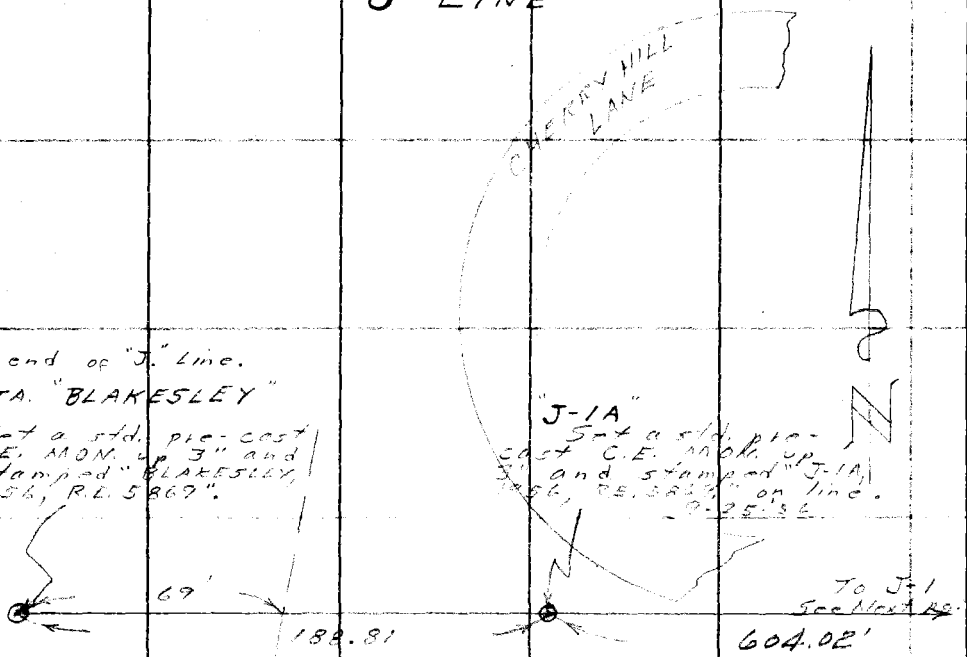
76F309S S&E #247. 8-54

F.B. 949 PG. 18

"J" LINE



200.28 @ 19°26'20", T= 87° = 188.81

199.39 @ 18°45'00", T= 87° = 188.80

232.39 @ 04°35' T=68° = 231.65

232.50 @ 04°58' T=68° = 231.66

243.55' @ 02°08' T=68° = 243.36'

243.52' @ 01°58' T=68° = 243.36'

129.02 level T=90° = 129.01

231.65
243.36
129.01
604.02

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Notes Ck'd by	Survey of [illegible]
Map No.	JN 0301.00 Tape 95 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 9-20-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 19

J-LINE

Fd. Spk. & T. Fl. marked B.C.

(1) 86-39-00
(2) 173-18-20
= 86° 39' 10"

86° 39' 10"

91.01

Fd. Spk. & T. Fl. marked E.C.

69.40

To J-1A
See pg. 18

To J-3
See Next pg.

604.02'

CHERRYHILL LANE

123.52

108.28

J-2, Set a bt. spk. & W. flush in a driveway on J-line and on ℄ prod. 9-20-56

J-1, Set a 3/4" galv. I.P. with cap, flush, on line. 9-20-56

91.02 level @ T=72° = 91.01

69.41 " " = 69.40

108.29 " " = 108.28

Fence line

123.75 @ 3° 26', T=72° = 123.52

123.95 @ 4° 42' 46", T=72° = 123.52

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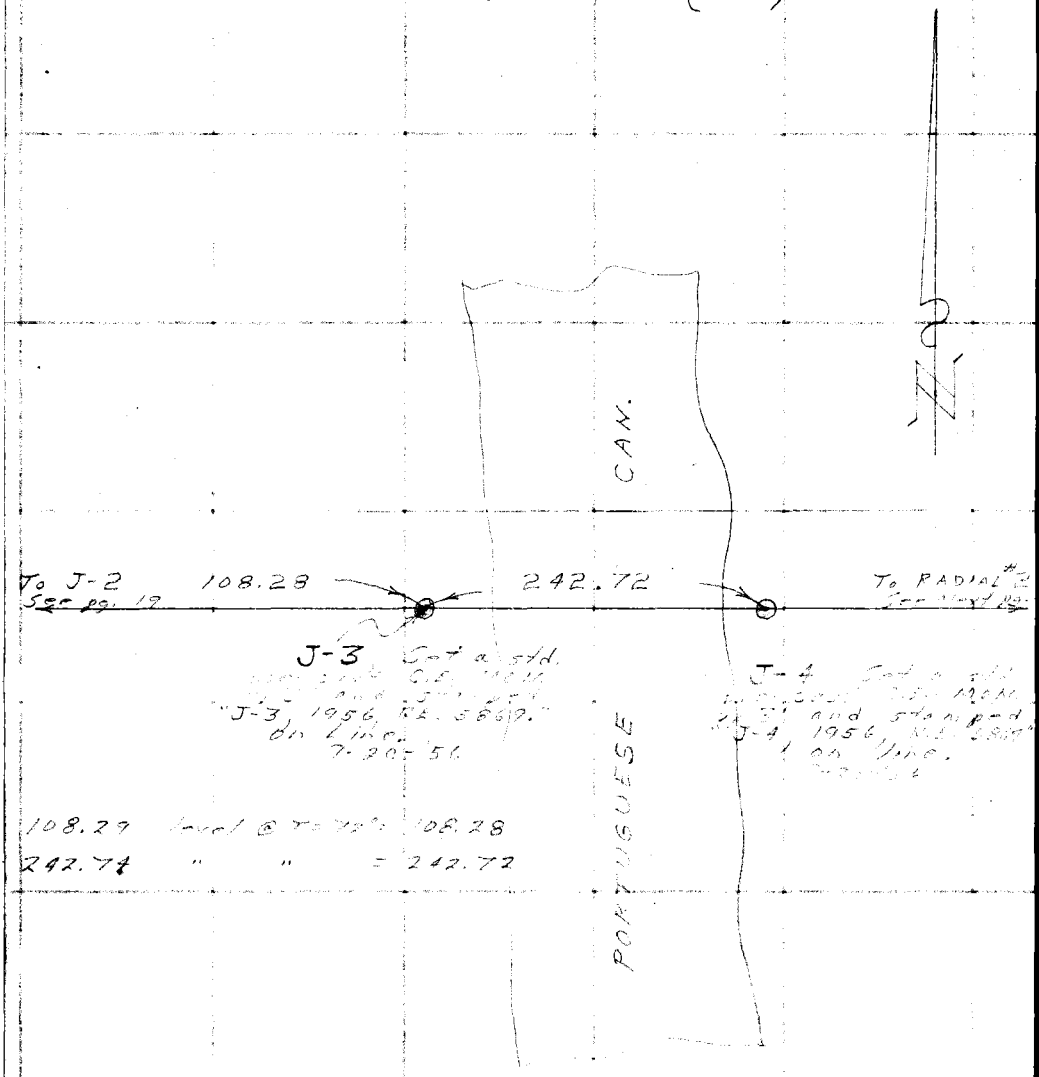
76F309S S&E #247 1-56

F. B. 949 PG. 20

"J" LINE (con't.)



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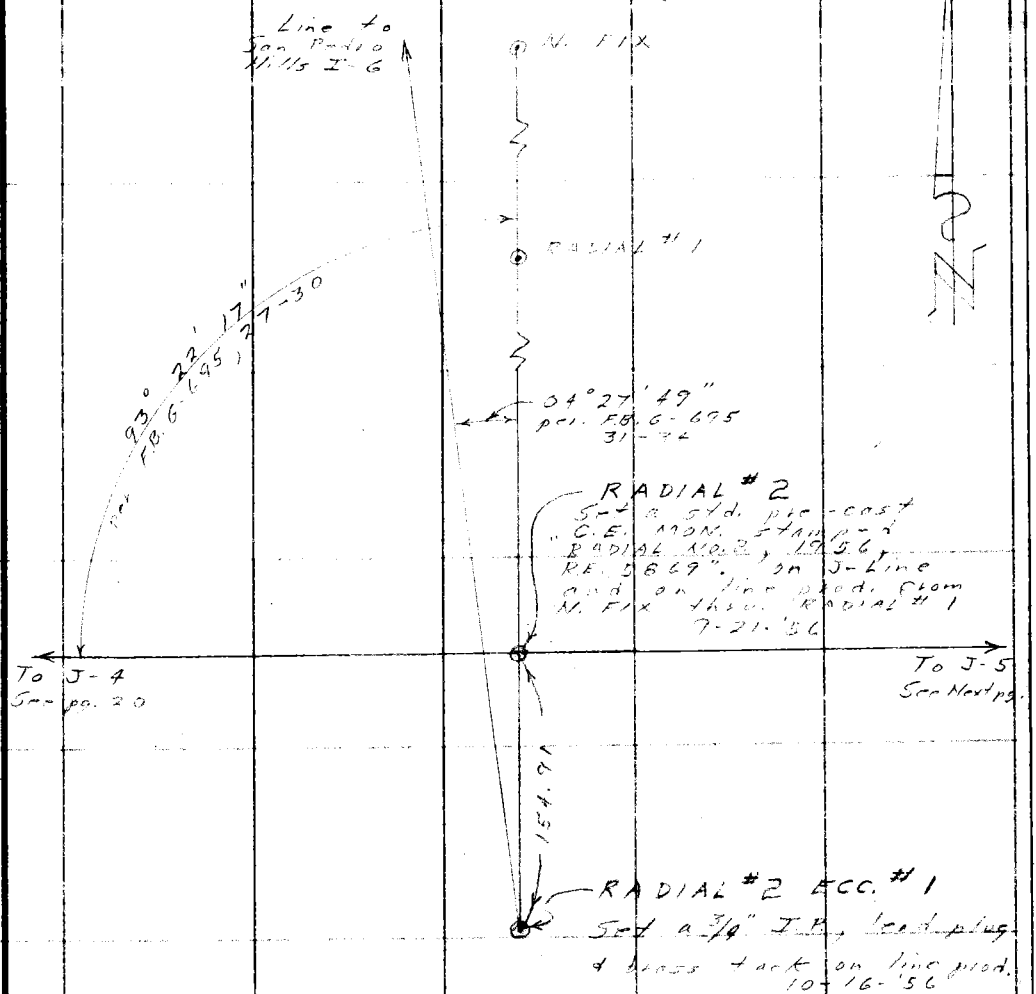
Office Work	Surveyed by
Checked	Notes F.B. Date 9-21-56
Date	Indexed A. C. Johnson

F. B. 944 PG. 71

"J" LINE (cont)



155.59 @ 5°18'40", T=70° = 154.91

155.47 @ 04°35'30", T=70° = 154.91

For additional angles at these stations see
F.B. 6-695, 27-34
" 696, 1-5

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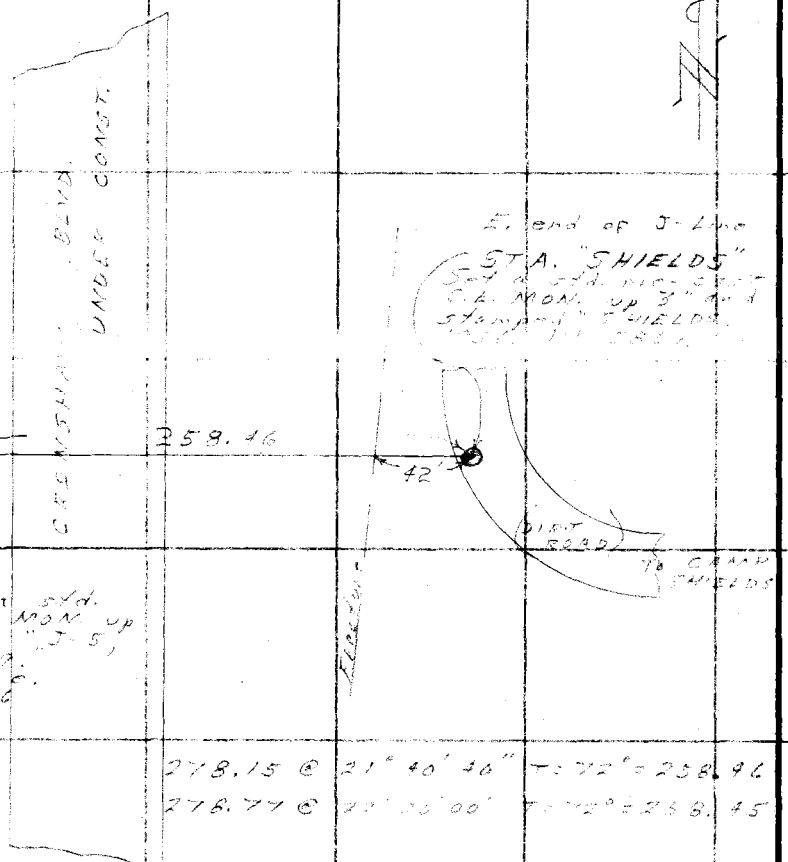
F.B. 949 PG. 22

"J" LINE (CONT.)



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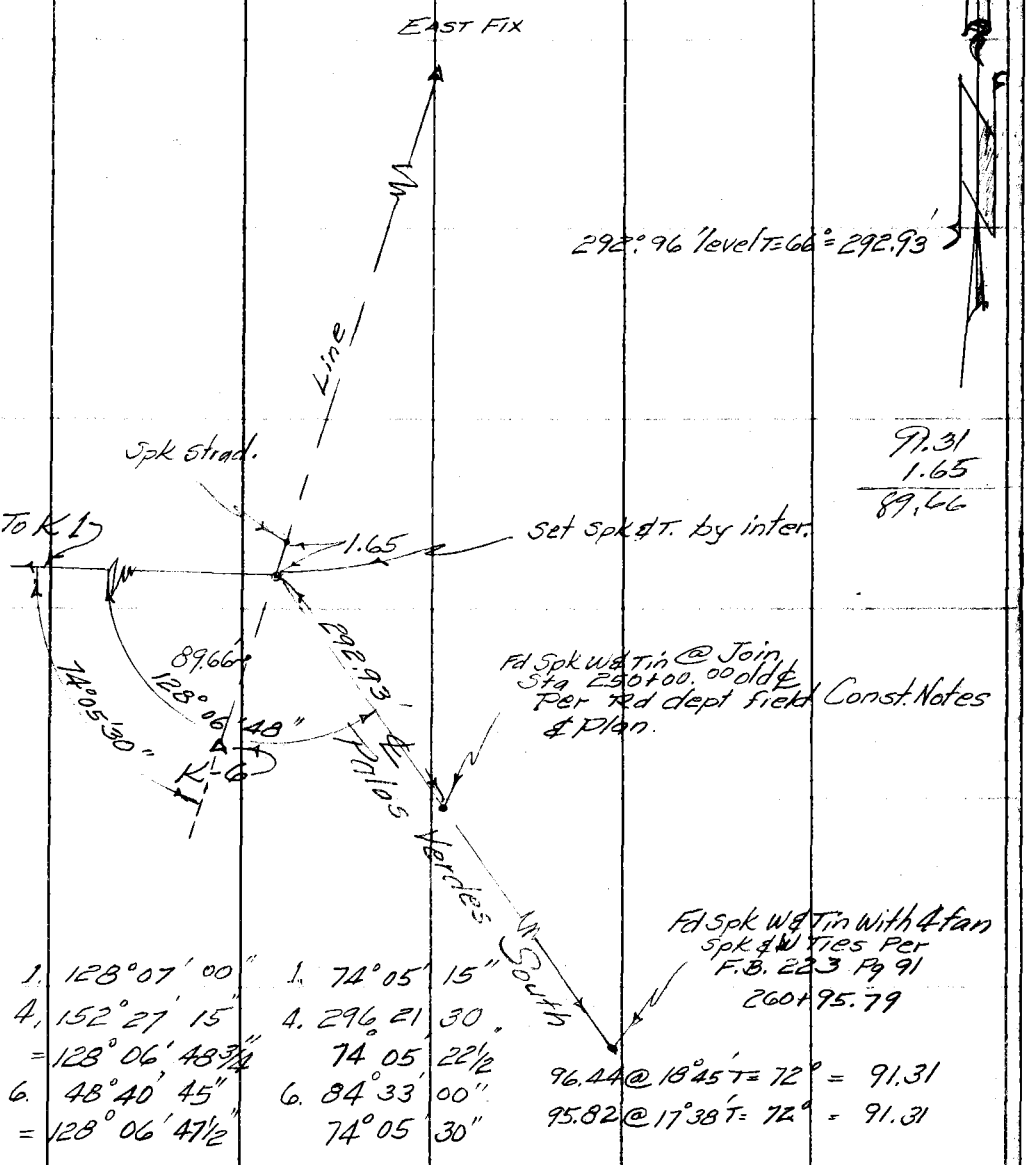
Office Work	Surveyed by H.R. Stock
Checked	Notes Stock Date 10-19-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 23

Cadastral Tie K-6
To ℄ old Palos
Verdes Drive
~~South~~



1. 128°07'00"	1. 74°05'15"
4. 152°27'15"	4. 296°21'30"
= 128°06'48¾"	74°05'22½"
6. 48°40'45"	6. 84°33'00"
= 128°06'47½"	74°05'30"

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76F309S S&E #247 1-56

F. B. 949 PG. 24

TRAVERSE TIE A1 to H1

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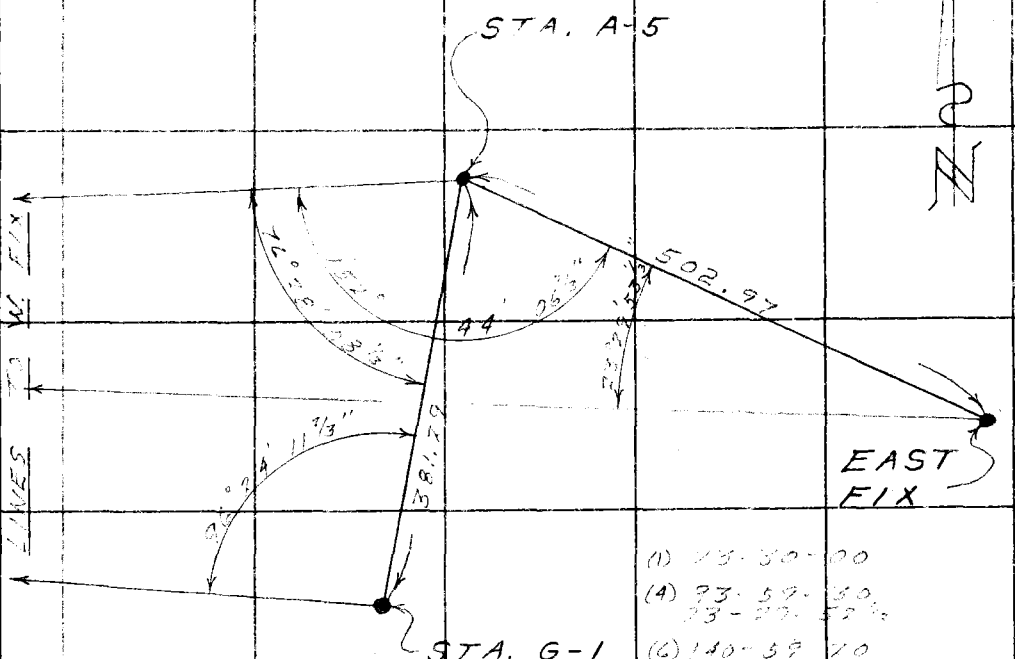
Office Work	Surveyed by [illegible]
Checked	Notes W. D. B. Date 10-19-56
Date	Indexed C. Johnson

F. B. 949 Pg. 25

PORTUGUESE BEND LANDSLIDE AREA.

A-5 TIE IN TO G-1 & E. FIX



(1) 73-30-00
(4) 93-59-30
23-29-52 1/3
(6) 140-59-20
23-29-53 1/3

E. FIX to A-5

103.10 @ 25°02'00", T = 64° = 93.40 104.05 @ 26°07'00", T = 64° = 93.41	93.405	(1) 152-44-00 (4) 250-56-30 152-44-07 1/3
298.18 @ 31°00'15", T = 70° = 255.55 299.88 @ 31°32'00", T = 70° = 255.57	255.56	(6) 196-24-40" 152-44-06 2/3
158.83 @ 14°08'10", T = 76° = 154.01 158.12 @ 13°05'15", T = 76° = 154.00	154.005	(1) 76-28-00 (4) 305-57-40 76-28-10
Total =	502.97	(6) 98-48-50 76-28-08 1/3

A-5 to G-1

126.81 @ 11°00'00", T = 76° = 124.47 126.44 @ 10°06'00", T = 76° = 124.47	124.47	(1) 96-24-20 (4) 25-36-40 96-24-10
263.67 @ 13°05'00", T = 76° = 256.81 264.08 @ 13°26'40", T = 76° = 256.83	256.82	(6) 218-45-10 96-24-11 2/3
Total =	381.29	

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76F309S S&E #247. 8-54

F. B. 949 PG. 26

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Map No.	W. O. 0301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. Stock
Checked	Notes Stock Date 9-14-56
Date	Indexed R. C. Johnson

F. B. 949 Pg. 47

Comparison Sheet
"A" Line

offsets A1 A2 — Radial Pt. #1

Date	Total offsets	distance	Total Spread	Period Line	diff Spread
9-14-56	on Line	264.91'	0.00'	0'	0
9-17-56	0.11' S.E.	264.91'	0.00'	0.11'	0.00'
9-18-56	0.18'	264.93	+ 0.02'	0.07'	+0.02'
9-19-56	0.25'	264.92	+ 0.01'	0.07'	-0.01'
9-20-56	0.26'	264.93	+ 0.02'	0.01'	+0.01'
9-21-56	0.30'	264.93	+ 0.02'	0.04'	0.00'
9-24-56	0.43'	264.90	- 0.01'	0.13'	-0.03'
9-25-56	0.48'	264.93	+0.02'	0.05'	+0.03'
9-26-56	0.50	264.85	- 0.06	0.02	- 0.08
9-27-56	0.57	264.93	+0.02	0.07	+0.08
9-29-56	0.64	264.93	+0.02	0.07	0.00
9-30-56	0.72	264.88	- 0.03	0.08	-0.05
10-1-56	0.74	264.90	- 0.01	0.02	+0.02
10-2-56	0.80	264.89	- 0.02	0.06	-0.01
10-3-56	0.80	264.89	- 0.02	0.00	0.00
10-4-56	0.87	264.87	- 0.04	0.07	-0.02
10-5-56	0.92	264.90	- 0.01	0.05	+0.03
10-8-56	1.03	264.87	- 0.04	0.11	- 0.03
10-9-56	1.11	264.87	- 0.04	0.08	- 0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-11-56	1.23	264.87	- 0.04	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.

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726 LOS ANGELES COUNTY
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76F300S S&E #247. 8-54

F.B. 949 PG. 28

"A" LINE
COMPARISON SHEET

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ENGINEERING BLDG.

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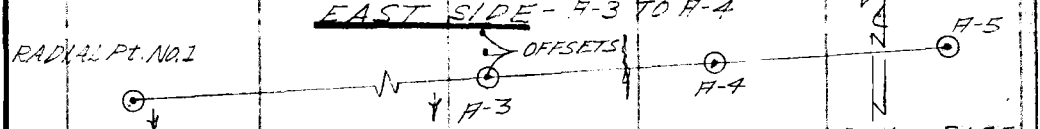
Notes Ck'd by	Survey of GROUND CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes RICHARDS Date 9-25-56
Date	Indexed K. C. Johnson

F. B. 949 PG. 27

COMPARISON SHEET

"A" - LINE

EAST SIDE - A-3 TO A-4



DATE	TOTAL OFFSETS	DISTANCE	TOTAL SPREAD	PERIOD LINE	DIFF. SPREAD
9-14-56	0.00'	—	—	—	—
9-17-56					
9-18-56	0.11'	249.61'	0.00'	0.11'	0.00'
9-19-56	0.19'	249.60'	-0.01'	0.08'	-0.01'
9-20-56	0.25'	249.58'	-0.03'	0.06'	-0.02'
9-21-56	0.29'	249.57'	-0.04'	0.06'	-0.01'
9-24-56	0.50'	249.58'	-0.03'	0.21'	+0.01'
9-25-56	0.53'	249.60'	-0.01'	0.03'	+0.02'
9-26-56	0.60	249.58	-0.03	0.07	-0.02
9-27-56	0.66	249.58	-0.03	0.06	0.00
9-28-56	0.75	249.58	-0.03	0.09	0.00
9-30-56	0.82	249.55	-0.06	0.07	-0.03
10-1-56	0.90	249.57	-0.04	0.08	+0.02
10-2-56	0.96	249.57	-0.04	0.06	0.00
10-3-56	1.00	249.57	-0.04	0.04	0.00
10-4-56	1.10	249.57	-0.04	0.10	0.00
10-5-56	1.17	249.58	-0.03	0.07	0.01
10-8-56	1.36	249.55	-0.06	0.19	-0.03
10-9-56	1.45	249.55	-0.06	0.09	0.00
10-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00
10-11-56	1.53	249.55	-0.06	0.03	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.

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78F3095 S&E #247 1-56

F. B. 949 Pg. 30

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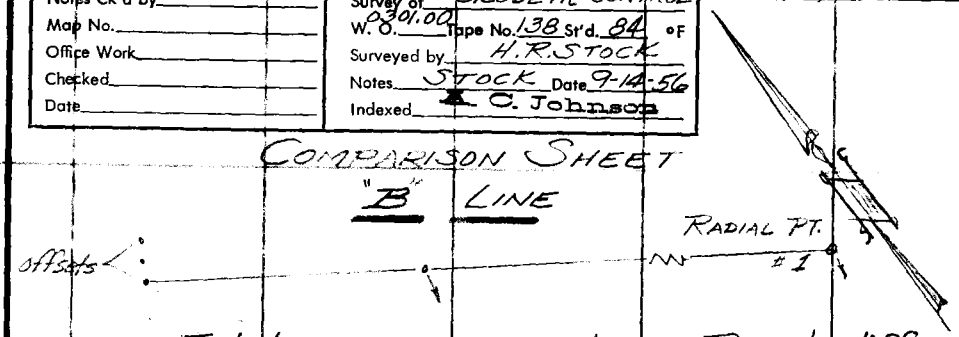
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes STOCK Date 9-14-56
Date	Indexed C. Johnson

F. B. 949 PG. 31

COMPARISON SHEET
"B" LINE



Date	Total offsets	Distance	Total Spread	Period diff. Line	Period diff. Spread
9-14-56	on Line	246.42'	0.00'	0.00	0.00
9-17-56	0.08'	246.52'	0.10'	0.08	+0.10
9-18-56	0.13'	246.52'	0.10'	0.05	+0.00
9-19-56	0.13'	246.56'	0.14'	0.00	+0.04
9-20-56	0.15'	246.58'	0.16'	0.02	+0.02
9-21-56	0.18'	246.68'	0.26'	0.03	+0.10
9-24-56	0.29'	246.72'	0.30'	0.11	+0.04
9-25-56	0.30	246.77'	0.35'	0.01	+0.05
~~9-26-56~~	~~0.35~~	~~246.79'~~	~~0.37'~~	~~0.05~~	~~+0.02~~
9-27-56	0.39	246.79	0.37	0.04	0.00
10-1-56	0.54	246.95	0.53	0.15	+0.16
10-2-56	0.61	247.01	0.59	0.07	0.06
10-4-56	0.70	247.07	0.65	0.09	+0.06
10-9-56	0.74	247.27	0.85	[illegible]	[illegible]
10-11-56	0.83	247.27	0.85	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.

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76F3095 S&E #247. 8-54

F.B. 949 PG. 32

"B" LINE
COMPARISON SHEET

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0381.00 Tape No. 38 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes STOCK Date 9-18-56
Date	Indexed C. Johnson

F. B. 917 PG. 33

COMPARISON SHEET
"C" LINE

C_1 C_2 RADIAL PT#1

Date	Total offset	Distance	Total Spread	Period Line	Diff. Spread
9-18-56	on Line	222.23'	0.00'	0.00'	0.00'
9-19-56	0.00	222.23'	0.00'	0.00'	0.00'
9-20-56	0.03	222.29'	+ 0.06'	0.03'	+ 0.06'
9-21-56	0.05	222.33	+ 0.10	0.02	+ 0.04'
9-24-56	0.11	222.49	+ 0.26	0.06'	0.16'
9-25-56	0.11	222.55	+ 0.32	0.00'	0.06'
9-26-56	0.11	222.58	+ 0.35	0.00	0.03
9-27-56	0.15	[illegible]	[illegible]	0.04	0.06
10-2-56	0.28	222.88	+ 0.65	0.13	0.24
10-3-56	0.29	222.99	+ 0.76	0.01	0.11
10-9-56	0.38	223.23	1.00	0.09	0.24
10-11-56	0.42	223.30	1.07	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.

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76F30BS S&E #247. 8-54

F. B. 949 PG. 34

"G" LINE
COMPARISON SHEET

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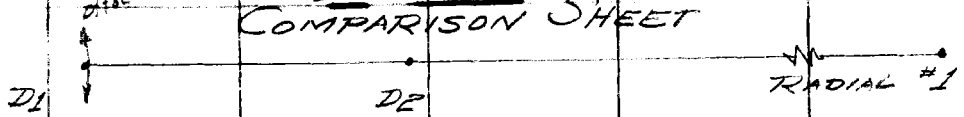
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. P301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes STOCK Date 9-14-56
Date	Indexed K. C. Johnson

F. B. 949 PG. 35

"D" LINE COMPARISON SHEET



Date	Total offset	Distance	Total Spread	Period Line	Diff. Spread
9-14-56	0.00	186.13'	0.00'	0.00	0.00'
9-17-56	0.00	186.27'	0.14'	0.00	+ 0.14'
9-18-56	0.02	186.28'	0.15'	0.02 W	+ 0.01'
9-19-56	0.00	186.36	0.23'	0.02 E	+ 0.08'
9-20-56	0.02	186.38	0.25'	0.02 W	+ 0.02'
9-21-56	0.00	186.45	0.32'	0.02 E	+ 0.07'
9-24-56	0.00	186.58	0.45'	0.00	+ 0.13'
9-25-56	0.00	186.68	0.54	0.00	+ 0.10'
9-26-56	0.00	186.69	0.56	0.00	+ 0.01
[illegible]	[illegible]	186.78	0.65	0.00	0.09
9-29-56	0.01	186.87	0.74	0.02	0.09
9-30-56	0.02	186.92	0.79	0.00	0.05
10-1-56	0.02	187.00	0.87	0.00	0.08
10-2-56	0.02	187.04	0.91	0.00	0.04
10-3-56	0.02	187.10	0.97	0.00	0.06
10-4-56	0.02	187.16	1.03	0.00	0.06
10-5-56	0.02	187.23	1.10	0.00	0.07
10-8-56	0.00	187.39	1.26	0.02	0.16
[illegible]	[illegible]	187.47	1.34	0.00	0.08
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-11-56	000	187.61	1.48	0.00	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.

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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

F. B. 747 PG. 36

"D" LINE
COMPARISON SHEET

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 9301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes STOCK Date 9-25-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 37

"E" LINE
COMPARISON SHEETS

RADIAL #1 — E_2 — E_1

Date	Total offset	Distance	Total Spread	Period Line	Diff. Spread
9-25-56	0.00'	142.92	0.00	0.00	0.00
9-26-56	0.00	142.97	+0.05	0.00	+0.05
[illegible]	0.03	143.01	0.08	0.03	0.04
10-2-56	0.13 W	143.17	0.25	0.10	0.16
10-4-56	0.16	143.24	0.32	0.03	0.07
10-[illegible]-56	0.26	143.44	0.52	0.10	0.20

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

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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F. B. 949 PG. 38

"E" LINE
COMPARISON SHEET

RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

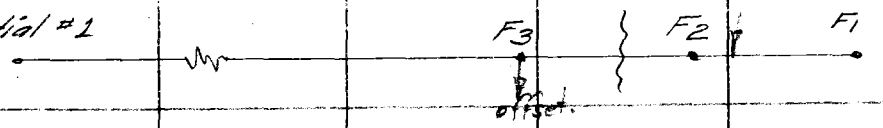
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. P301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes STOCK Date 9-25-56
Date	Indexed E. C. Johnson

F. B. 949 PG. 39

"F" LINE
COMPARISON SHEET

Hold for Line

Radial #1



Date	Total offset	Distance	Total Spread	Period Line	Period Diff. Spread
9-24-56	0.00'	153.84'	0.00'	0.00'	0.00'
9-25-56	0.05' SLY	153.84'	0.00'	0.05	0.00'
9-26-56	0.11	153.88'	0.04	0.06	0.04
9-27-56	0.16	153.88	0.04	0.05	0.00
10-3-56	0.52	154.00	0.16	0.36	0.12
10-8-56	0.90	154.14	0.30	0.38	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.

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F.B. 949 PG. 40

"F" LINE
COMPARISON SHEET

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 8301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes STOCK Date 9-24-56
Date	Indexed L. C. Johnson

F. B. 949 Pg. 41

"G" LINE
COMPARISON SHEET

RADIAL #2 — G2 — G1

offsets

Date	Total offset	Distance	Total Spread	Period Line	Diff. Spread
9-24-56	0.08	254.71			
9-25-56	0.11	254.74		0.00	0.05
9-26-56	0.11	254.79		0.00	0.00
9-27-56	0.11	254.80			
10-3-56	0.31	255.04	+0.30	0.20	0.26
10-8-56	0.49	255.34	+0.60	0.18	0.30

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

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76F309S S&E #247. 8-54

F. B. 949 PG. 47

"G" LINE
COMPARISON SHEET

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes STOCK Date 9-21-56
Date	Indexed C. Johnson

F. B. 949 PG. 43

"H" LINE

see pg. 16

COMPARISON SHEET

H4 169.84 H3 H2 ⌈Held for Line⌉ H1

offsets

Date	Total offset	Distance	Total Spread	Period Diff. Line	Period Diff. Spread
9-20-56	0.00'	169.84'	0.00'	0.00'	0.00'
9-21-56	0.00'	169.84'	0.00'	0.00'	0.00'
9-24-56	0.00'	169.90'	0.06'	0.00'	0.06'
9-25-56	0.00'	169.90'	0.06'	0.00'	0.00'
9-26-56	0.00	169.90	0.06	0.00	0.00
10-3-56	0.03	169.98	0.14	0.03	0.08
10-[illegible]-56	0.03	170.11	0.27	0.00	0.13

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

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Do not extend this side of this line.

76F3098 S&E #247 1-56

F. B. 949 PG. 44

"H" LINE
COMPARISON SHEET

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes STOCK Date 9-20-56
Date	Indexed K. C. Johnson

F. B. 949 PG. 45

"I" LINE
COMPARISON SHEET

I3 — I2 — I1 (Held for Line)

offsets

Date	Total Offset	Distance	Total Spread	Period Line	Diff. Spread
9-20-56	0.00'	133.81'	0.00'	0.00'	0.00'
9-21-56	0.00'	133.81'	0.00'	0.00'	0.00'
9-24-56	0.03'	133.81'	0.00'	0.03'	0.00'
9-25-56	0.03'	133.83'	0.02'	0.00'	0.02'
9-26-56	0.03	133.84'	0.03	0.00	0.01
10-3-56	0.07	133.92	0.11	0.04	0.04
10-[illegible]-56	0.11	133.75	0.14	0.04	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.

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76F309S S&E #247 1-56

F. B. 949 PG. 46

"I" LINE
COMPARISON SHEET

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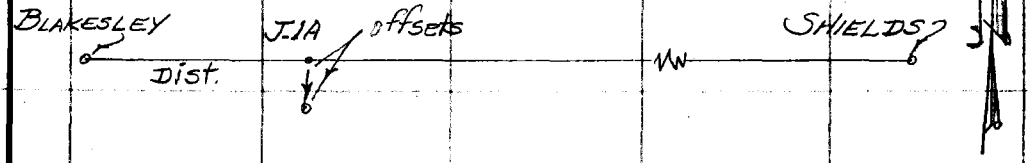
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H.R. Stock
Checked	Notes Stock Date 9-26-56
Date	Indexed E. C. Johnson

F. B. 949 PG. 47

"J" LINE BLAKSELEY to J1A
COMPARISON SHEET



Date	Total offset	Distance	Total spread	Period Line	Diff. Spread
9-25-56	0.00	188.81	—	—	—
9-26-56	0.02 S.	188.80	-0.01	0.02	0.01
9-27-56	—	188.73	-0.08	—	0.07
9-29-56	0.07 S	188.73	-0.08	0.07	0.00
9-30-56	0.04 S	188.75	-0.06	-0.03	+0.02
10-1-56	0.09 S	188.73	-0.08	+0.05	-0.02
10-2-56	0.09 S	188.73	-0.08	0.00	0.00
10-3-56	0.11 S	188.76	-0.05	0.02	+0.03
10-4-56	0.16 S	188.73	-0.08	+0.05	-0.03
10-5-56	0.16 S	188.72	-0.09	0.00	-0.01
10-8-56	0.20 S	188.69	-0.12	0.04	-0.03
10-9-56	0.26 S	188.74	-0.07	0.06	+0.05
10-10-56	0.23	188.71	-0.10	-0.03	0.00
10-11-56	0.26 S	188.71	-0.10	+0.03	-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.

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76F309S S&E #247 1-56

F. B. 949 Pg. 48

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

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 135 Std 84 °F
Office Work	Surveyed by W.D. BAY
Checked	Notes Date 9-24-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 49

"J" LINE (J1 to J2)
COMPARISON SHEET

BLAKESLEY — offsets J-1 — J-2 offsets — SHIELDS

Date	Total offset	Distance	Total Spread	Period Line	Period Diff. Spread
9-20-56	J-1 0.00 J-2 0.00	—	—	—	—
9-21-56	J-1=0.04 S. J-2=0.05 S.	123.52	0.00	J-1 = 0.04 J-2 = 0.05	—
9-24-56	J-1=0.17 " J-2=0.19 "	123.52	0.00	J-1 = 0.13 J-2 = 0.14	0.00
9-25-56	J-1=0.19 " J-2=0.21 "	123.51	-0.01	J-1 = 0.02 J-2 = 0.02	-0.01
9-27-56	J-1 = 0.22 J-2 = 0.24	123.50	-0.01	J-1 = 0.03 J-2 = 0.03	0.02
10-2-56	J1 = 0.37 J2 = 0.41	123.53	+0.01	J-1 = 0.15 J-2 = 0.20	+0.03
10-9-56	J1 [illegible] J2 [illegible]	123.49	-0.03	J1 = 0.23 J2 = 0.25	-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.

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F. B. 949 Pg. 50

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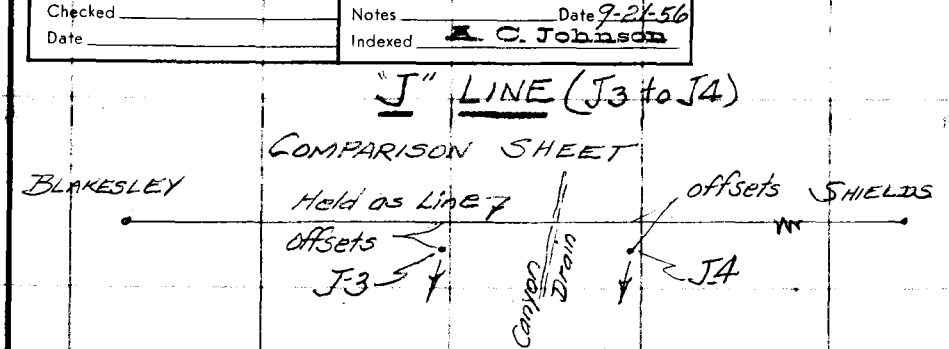
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by
Checked	Notes Date 9-24-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 51

"J" LINE (J3 to J4)

COMPARISON SHEET



Date	Total offset	Distance	Total Spread	Period Line	Diff. Spread
9-20-56	0.00	242.72	—	—	—
9-21-56	J-3 = 0.09 S J-4 = 0.06 S	242.73	+0.01	J-3 = 0.09 S J-4 = 0.06 "	+0.01
9-24-56	J-3 = 0.24 J-4 = 0.21	242.67	-0.05	J-3 = 0.15 J-4 = 0.15	-0.06
9-25-56	J-3 = 0.28 J-4 = 0.24	242.67	-0.05	J-3 = 0.04 J-4 = 0.03	0.00
9-27-56	J-3 = 0.31 J-4 = 0.29	242.75	+0.03	J-3 = 0.03 J-4 = 0.04	+0.06
9-28-56	J-3 = 0.39 J-4 = 0.40	242.63	-0.09	J-3 = 0.09 J4 = 0.11	-0.12
9-30-56	J-3 = 0.30 J-4 = 0.37	242.63	-0.09	J-3 = -0.09 J-4 = -0.03	0.00
10-1-56	J-3 = 0.45 J-4 = 0.54	242.67	-0.05	J-3 = +0.15 J-4 = +0.17	+0.04
10-2-56	J-3 = 0.53 J-4 = 0.60	242.64	-0.08	J-3 = 0.08 J-4 = 0.06	-0.03
10-3-56	J-3 = 0.56 J-4 = 0.62	242.62	-0.10	J3 = 0.03 J4 = 0.02	-0.02
10-4-56	J-3 = 0.60 J-4 = 0.66	242.60	-0.12	J3 = 0.04 J-4 = 0.04	-0.02
10-5-56	J-3 = 0.67 J-4 = 0.76	242.58	-0.14	J-3 = 0.07 J-4 = 0.10	-0.02
10-8-56	J-3 = 0.77 J4 = 0.89	242.56	-0.16	J3 = 0.10 J4 = 0.13	-0.02
10-9-56	J3 = 0.80 J4 = 0.93	242.54	-0.18	J3 = 0.03 J4 = 0.44	-0.02
[illegible]-56	J3 = 0.91 J4 = [illegible]	[illegible]	[illegible]	J3 = [illegible] J4 = [illegible]	0.00
10-11-56	J3 = 0.95 J4 = 1.10	242.52	-0.20	J3 = 0.04 J4 = 0.06	-0.02

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76F309S S&E #247 1-56

F. B. 944 PG. 57

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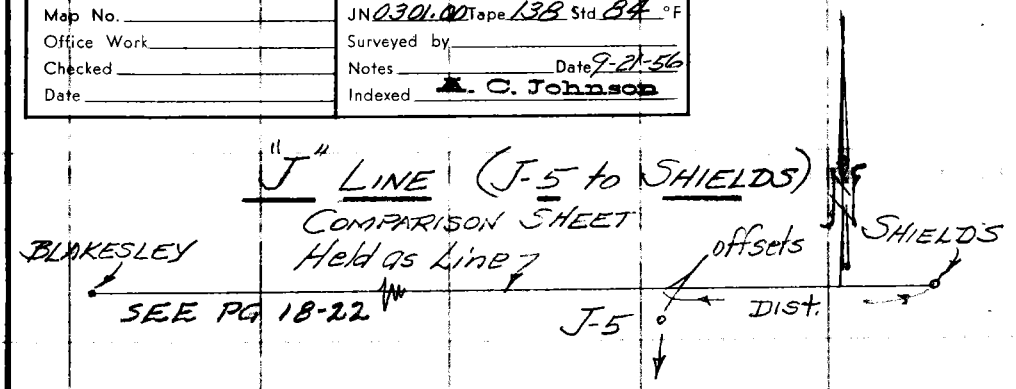
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by
Checked	Notes Date 9-21-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 53

"J" LINE (J-5 to SHIELDS)

COMPARISON SHEET
Held as Line 7



SEE PG 18-22

Date	Total offset	Distance	Total spread	Period Line	Diff. Spread
9-20-56	—	258.45	—	—	—
9-21-56	0.00	258.50	0.05	0.09	0.05
9-24-56	0.27	258.53	0.08	0.12	0.03
9-25-56	0.30	258.55	0.10	0.03	0.02
9-26-56	0.29	258.50	0.05	0.00	-0.05
9-27-56	0.33	258.52	0.07	0.04	0.02
9-29-56	0.43	258.57	0.14	0.10	0.07
9-30-56	0.47	258.58	0.13	0.04	-0.01
10-1-56	0.53	258.63	+0.18	+0.06	+0.05
10-2-56	0.62	258.59	+0.14	0.09	-0.04
10-3-56	0.66	258.63	+0.18	0.04	+0.04
10-4-56	0.72	258.68	+0.23	0.06	+0.05
10-5-56	0.79	258.68	+0.23	0.07	0.00
10-8-56	0.93	258.74	+0.29	0.14	+0.06
10-9-56	0.96	258.75	+0.30	0.03	0.01
10-10-56	1.06	[illegible]	[illegible]	0.10	0.07
10-11-56	1.10	258.86	+0.41	0.04	+0.04

Contd on page 139

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76F309S S&E #247 1-56

F. B. 949 PG. 54

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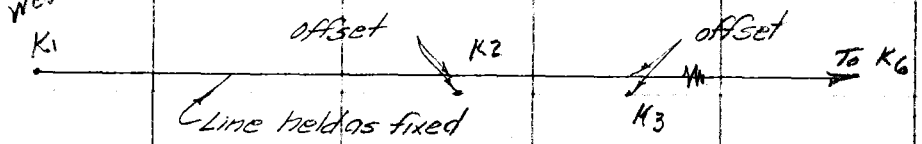
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes STOCK Date 9-
Date	Indexed K. C. Johnson

F. B. 949 PG. 55

"K" LINE

West end COMPARISON SHEET



Date	Total offset	Distance	Total Spread	Period Line	Period Diff. Spread
9-27-56	ON LINE	238.21	—	—	—
9-29-56	K-2 = 0.08 K-3 = 0.16	238.21	0.00	K-2 = 0.08S K-3 = 0.16S	0.00
9-30-56	K-2 = 0.09 K-3 = 0.21	238.19	-0.02	K-2 = 0.01S K-3 = 0.05	-0.02
10-1-56	K-2 [illegible] K-3 = 0.3[illegible]	[illegible]	[illegible]	K-2 = 0.07 K-3 = 0.11	+0.02
10-2-56	K2 = 0.16 K3 = 0.32	238.21	0.00	K2 = 0.00 K3 = 0.00	0.00
10-3-56	K2 = 0.18 K3 = 0.39	238.21	0.00	K2 = 0.02 K3 = 0.07	
10-4-56	K2 = 0.21 K3 = 0.50	238.24	0.03	K2 = 0.03 K3 = 0.11	0.03
10-5-56	K-2 = 0.26 K-3 = 0.57	238.23	-0.02	K-2 = 0.05 K-3 = 0.07	-0.01
10-8-56	K-2 = 0.2[illegible] K-3 = 0.73	238.20	-0.01	K2 0.00 K3 0.16	-0.03
10-9-56	K-2 [illegible] K-3 = 0.79	238.22	+0.01	[illegible]	+0.02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-11-56	K2 = 0.37 K3 = 0.96	238.21	0.00	K2 0.04 K3 0.08	-0.01

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76F309S S&E #247 1-56

F. B. 949 PG. 56

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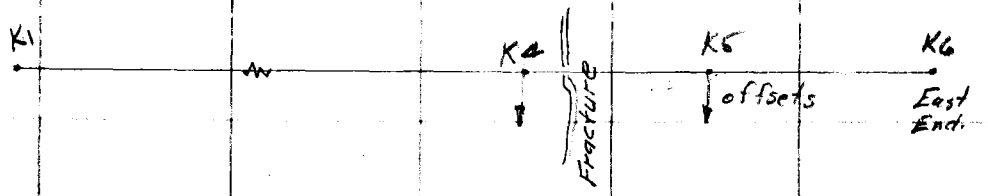
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes STOCK Date 9-26-56
Date	Indexed C. Johnson

F. B. 949 PG. 57

"K" LINE
COMPARISON SHEET



Date	Total offset	Distance	Total Spread	Period Diff. Line	Period Diff. Spread
9-27-56	0.00	256.24	0.00	ON LINE	—
9-29-56	K-4 = 0.18 S. K-5 = 0.02 S.	256.24	0.00	K4 0.18 S. K5 0.02 S.	0.00
9-30-56	K-4 = 0.22 K-5 = 0.02	256.21	-0.03	K-4 = 0.04 K-5 = 0.00	-0.03
10-1-56	K-4 = 0.30 K-5 = 0.03	256.30	+0.06	K-4 = 0.08 K-5 0.01	+0.09
10-2-56	K-4 = 0.35 K-5 = 0.03	256.30	+0.06	K-4 = 0.05 K-5 = 0.00	0.00
10-3-56	K-4 = 0.42 K-5 = 0.03	256.31	+0.07	K4 = 0.07 K5 = 0.00	+0.01
10-4-56	K-4 = 0.56 K-5 = 0.04	256.36	+0.12	K4 = 0.14 K5 = 0.01	+0.05
10-5-56	K-4 = 0.56 K5 = 0.04	256.38	+0.14	K4 = 0.00 K5 = 0.00	+0.02
10-8-56	K4 = 0.77 K5 = 0.04	256.43	+0.19	K4 = 0.21 K5 = 0.00	+0.05
10-9-56	K4 = 0.80 K5 = 0.04	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-11-56	K4 0.98 K5 0.06	256.45	0.21	K4 0.10 K5 0.02	+0.02

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76F309S S&E #247 1-56

F. B. 949 PG. 58

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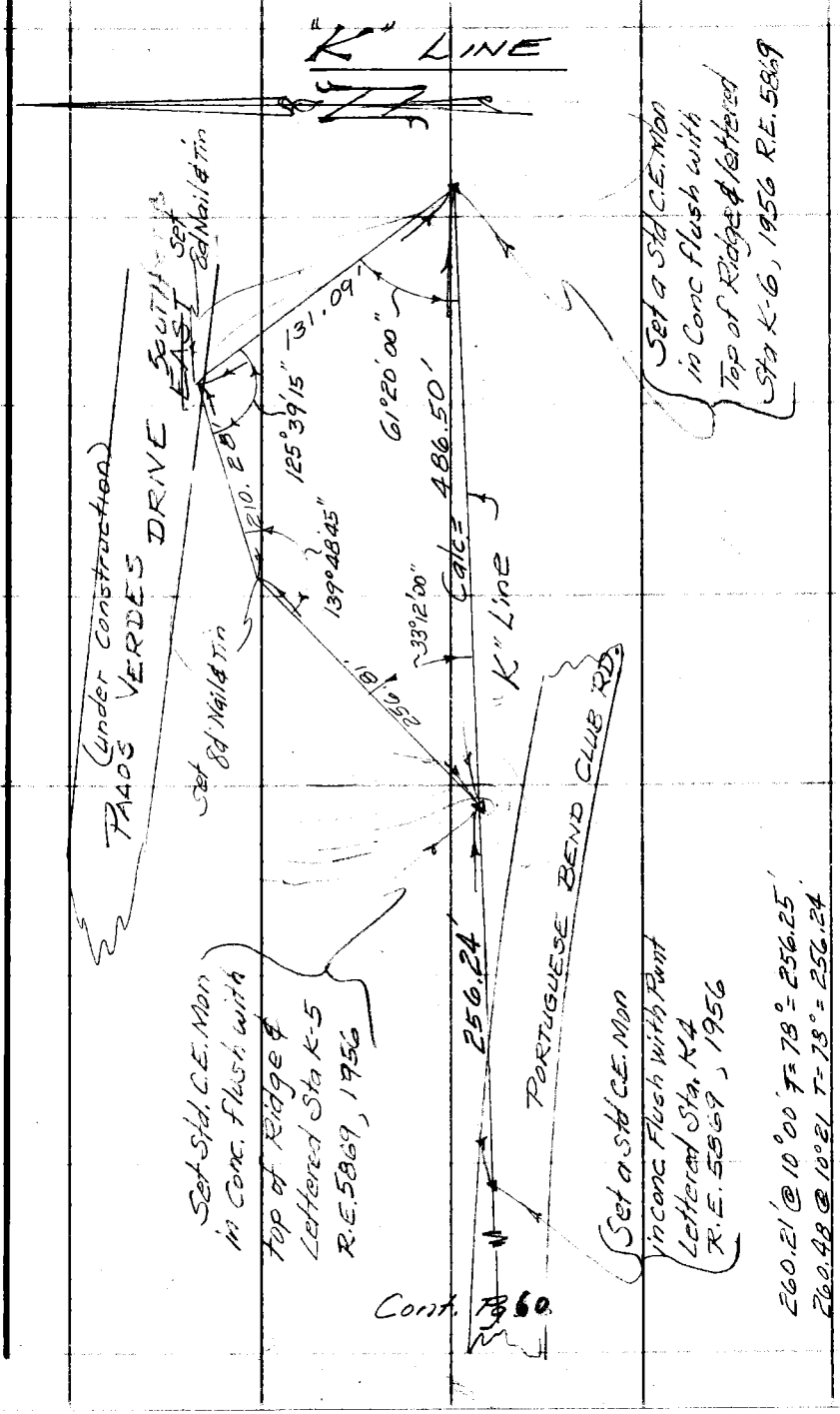
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 2301.00 Tape 138 Std 84 °F
Office Work	Surveyed by STOCK
Checked	Notes STOCK Date 9-27-56
Date	Indexed A. C. Johnson OCT 25 56

F. B. 949 PG. 59



Cont. Pg 60

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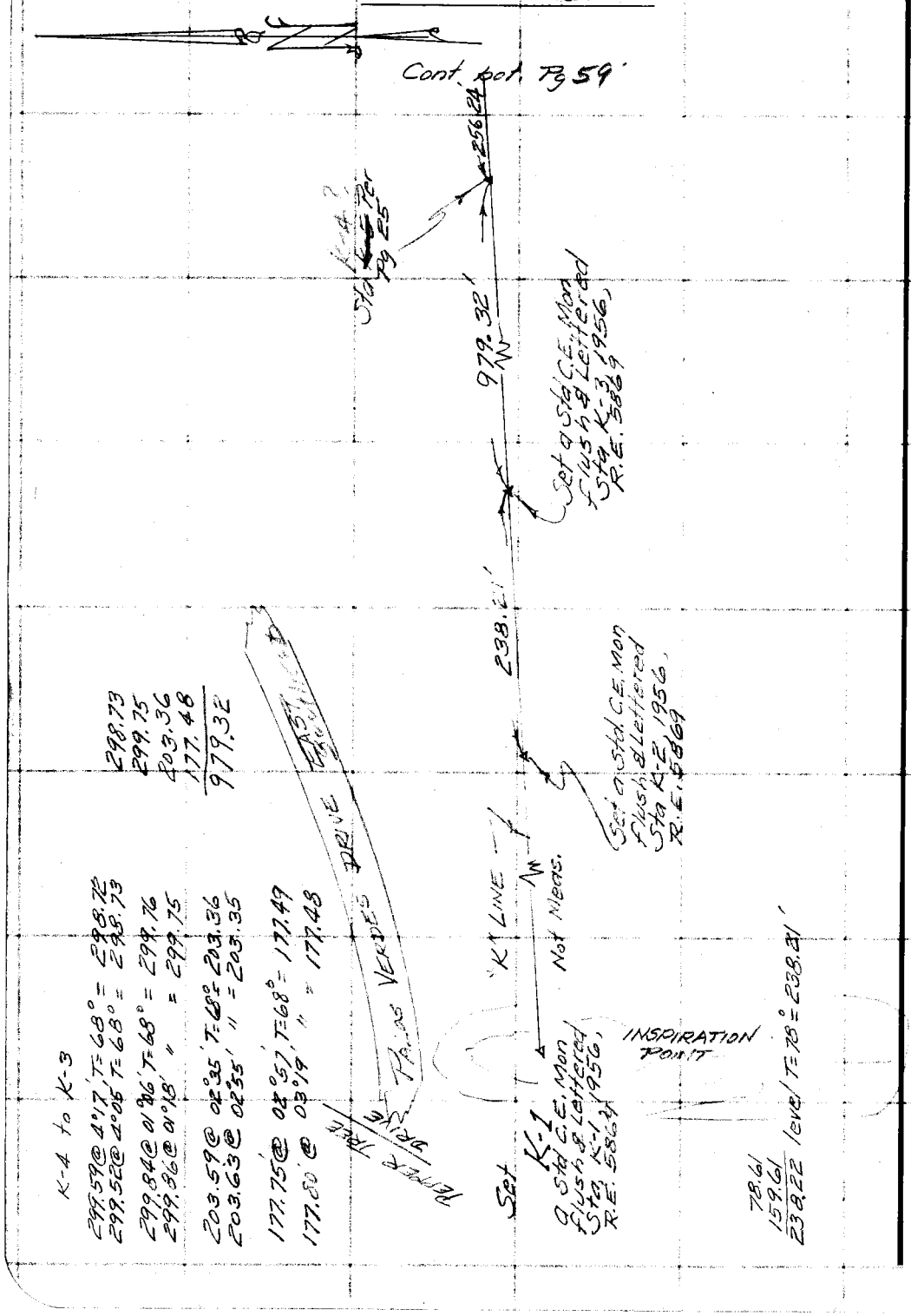
76F309S S&E #247 1-56

F. B. 949 PG. 60

"K" LINE (Cont.)



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Profile No.	Notes Red.	Plotted	Job No. 0301.00	Division No.	F. B. 949 Pg. 61
	Date	Date	Survey of PORTUGUESE BEND LANDSLIDE AREA		
X-Sec. No.	Notes Chkd.	Checked	Survey by STOCK	Notes H.R.S.	Date 10-23-56
	Date	Date	Map No.	Indexed A. C. Johnson	Date OCT 25 56

STADIA LOCATIONS
FRACTURES

PORTUGUESE BEND LANSLIDE AREA

J.N. 0301.00
Geodetic Control

STATION	B.S.	H.I.	F.S.	ELEV.
		WILKS LYBRAND MOYA	STOCK RICHARDS	Party

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76298 S & E #307—7-55

76298 S & E #307—7-55

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

FRACTURE LOCATIONS FROM SHIELDS

ORIENTATION 0°00' = WEST FIX Compass Bearing N 71°W

HORIZ ∡	VERT ∡	STADIA	Reduced STADIA	Remarks
+ 89°39' L.	−18°11'	320'	289'	
+ 91°29 L.	−10°49'	590'	569'	

FRACTURE LOCATIONS FROM G-1

ORIENTATION [illegible] = WEST FIX Compass Bearing S 86° W

HORIZ ∡	VERT ∡	STADIA	Reduced STADIA	Remarks
X 86° [illegible] L	+3°36'	420	418	angle pt. main [illegible]
X 76° 50' L	+0°21'	505	50[illegible]	
X [illegible]	+0°21'	340	34[illegible]	

FRACTURE LOCATIONS FROM K-5

ORIENTATION 0°00' = North Fix Compass Bearing N 2°00' W

HORIZ ∡	VERT. ∡	STADIA	Reduced DIST.
94°56' L	−14°38'	185'	173'
121° 55' L	−15°06'	370'	345'
142° 55' L	−13°30'	475'	449'

F. B. 949 Pg. 62 Job No. 0301.00 Division No. Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE AREA Date Date No. X-Sec.
Survey by STOCK Notes LYBRAND Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		FRACTURE LOCATIONS From I2				
		ORIENTATION 0°00' = EAST FIX				Compass Bearing N84°E
	HORIZ. ∡		VERT. ∡	STADIA	REDUCED STADIA	REMARKS
	10°39'	R	-06° 14'	183'	181'	MAIN CRACK
	25°10'	L	+01° 43'	441'	441'	" "
	25°54'	L	+02° 09'	595'	594'	" "
	28°30'	L	+01° 38'	655'	654'	" "
	34°06'	L	+03° 12'	938'	937'	CRACK NO. 2
	43°09'	L	+07° 21'	193'	190'	" " "
		FRACTURE LOCATIONS From H-2				
		ORIENTATION 0°00' = EAST FIX				Compass Bearing S81°E
	HORIZ. ∡		VERT. ∡	STADIA	REDUCED STADIA	
	8°27'	L	-0° 39'	105'	105'	Main Fracture
	116°16'	R	-0° 15'	177'	177'	" "
	122°35'	R	+2° 00'	232'	232'	" "

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____
No. ____ Date ____ Date ____ Survey of ____
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 949 PG. 63

76298 S & E #307—7-55

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

FRACTURE LOCATIONS FROM BLAKSLEY

ORIENTATION 0°00' = EAST FIX Compass Bearing = N 80°E

HORIZ ∡	VERT ∡	STADIA	REDUCED STADIA
47° 02' L	-1° 21'	404'	404'
48° 39' L	-2° 30'	329'	328'
03° 41' R	-19° 15'	75'	67'
113° 34' R	-13° 25'	221'	209'

FRACTURE LOCATIONS FROM K-1

ORIENTATION 0°00' = EAST FIX Compass Bearing N 70°E

HORIZ ∡	VERT ∡	STADIA	REDUCED STADIA
23° 19' L	-1° 12'	750	750
10° 40' L	-11° 40'	330	317
59° 46' R	-22° 40'	172	146
79° 59' R	-19° 27'	420	374
76° 54' R	-18° 15'	478	431
64° 25' R	-19° 11'	539	481
63° 43' R	-19° 30'	650	577

F. B. 949 Pg. 64

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

Survey of ____ Date ____ Date ____ No. ____

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

Indexed ____ Date ____ Date ____ Date ____ No. ____

65

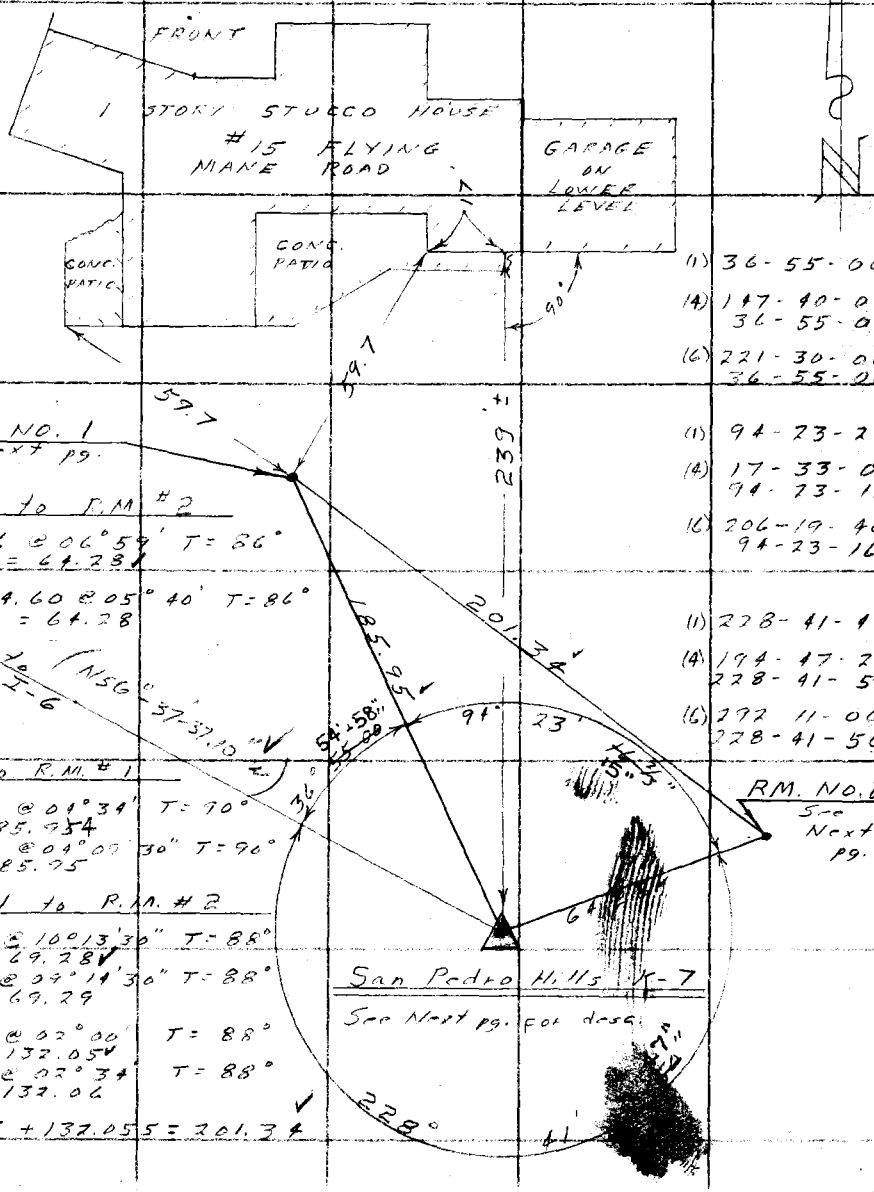
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 25 St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 11-5-56
Date	Indexed A. C. Johnson 12-20-56

F. B. 742 Pg. 63

L. A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

SAN PEDRO HILLS K-7



(1) 36-55-00
(4) 147-40-00
36-55-00
(6) 221-30-00
36-55-00

(1) 94-23-20
(4) 17-33-00
94-23-15
(6) 206-19-40
94-23-16⅔

(1) 228-41-10
(4) 194-47-20
228-41-50
(6) 272 11-00
228-41-50

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76F3095 S&E #247. 8-54

F.B. 999 PG. ~~64~~

— DESCRIPTIONS —
SAN PEDRO HILLS
K-7

This station is in LOS ANGELES COUNTY, in the ROLLING HILLS area of the SAN PEDRO HILLS, on a prominent ridge in back of house #15, FLYING MANE RD.

To reach this station from CREST RD. & PORTUGUESE BEND RD. go EAST on CREST RD. 0.6 mi. to SOUTHFIELD DR., then right (S.) 150'± to FLYING MANE RD., then Left (S.Ely.) 0.2 mi. to end of road & house #15. Walk around behind house to ridge & station.

STATION MARK: Set a std. 4" brass L.A. CO. TRIANG. STA. cap on a 2" iron pipe in a 12"X 12" square conc. pillar extending 6" above the ground and stamped "SAN PEDRO HILLS K-7, 1956, CO ENGR. R.E. 5869."

SUB-SURFACE MARK: Set a 3/4" iron pipe with lead core & brass tack in conc. dn. 38" below surface & separated from the surface monument by an 8" layer of sand.

REFERENCE MARK NO. 1: Set a std. 4" brass L.A. CO. R.M. cap on a 2" iron pipe in a 14" X 14" square conc. pad flush, & stamped "SAN PEDRO HILLS K-7, R.M. NO. 1, 1956, CO. ENGR., R.E. 5869."

REFERENCE MARK NO. 2: Set same as R.M. NO. 1 except conc. pillar extends 6" above the ground and stamped "R.M. NO. 2".

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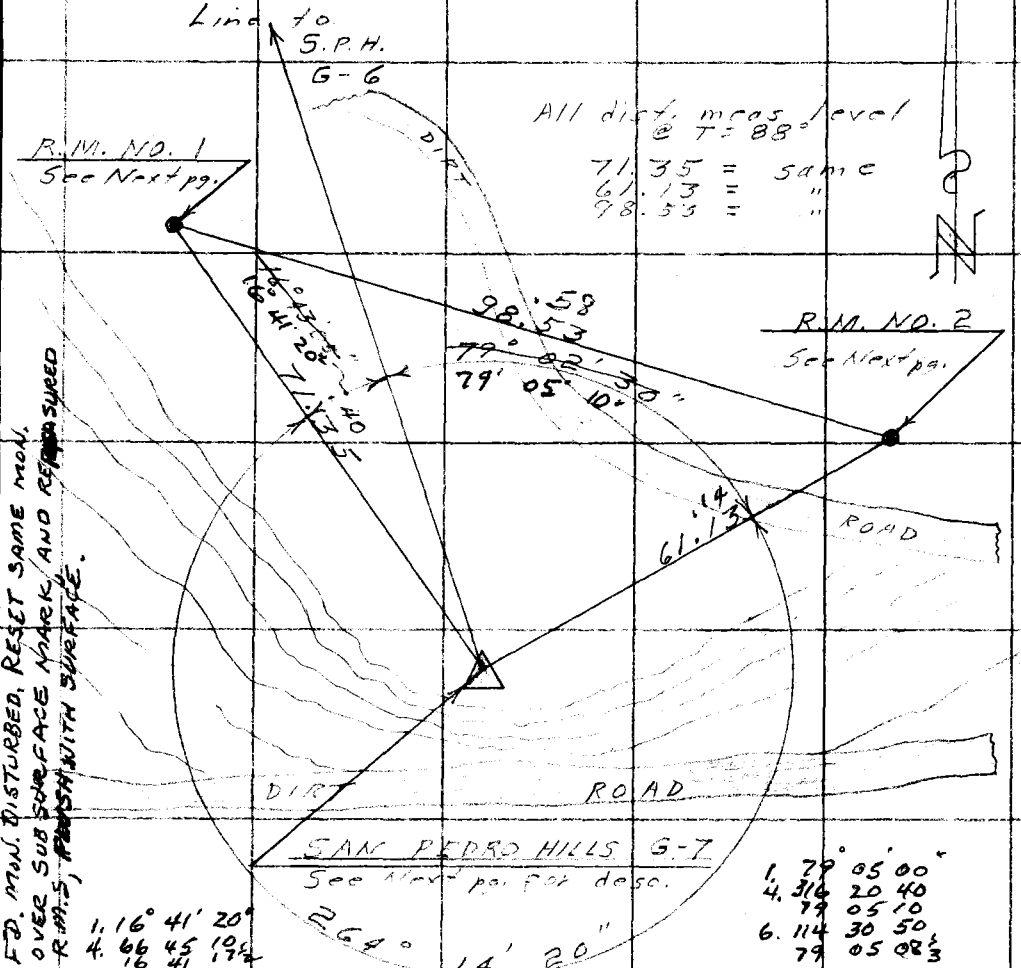
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 95 St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 11-9-56
Date	Indexed A. C. Johnson

F. B. 947 PG. 55

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

SAN PEDRO HILLS G-7



FD. MON. DISTURBED, RESET SAME MON. OVER SUBSURFACE MARK, AND REPRESURED R.M.S, PUSH WITH SURFACE.

1. 16° 41' 20"
4. 66 45 10
16 41 17½
6. 100 08 00
16 41 20

1. 79° 05' 00"
4. 316 20 40
79 05 10
6. 114 30 50
79 05 08⅓

2-17-69 G.E.D.

(1) 16-43-00	(1) 79-02-20	(1) 264-14-20
(4) 66-52-20	(4) 316-10-00	(4) 336-57-20
16-43-05	79-02-30	264-14-20
(6) 100-18-30	(6) 114-15-00	(6) 145-26-00
16-43-05	79-02-30	264-14-20

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 949 PG. ~~66~~ 68

— DESCRIPTIONS —
SAN PEDRO HILLS
G-7

This station is in LOS ANGELES COUNTY, on a point of a small, flat, area in the PALOS VERDES HILLS overlooking the steeple of the "WAYFARERS CHAPEL".

To reach this station from the intersection of PEPPERTREE DR. and NARCISSA DR., go west on NARCISSA DR. 0.8 mi. to FRUITTREE RD. CONTINUE on straight ahead 200'± to end of pavement. Continue on dirt road 100'± to intersection of dirt roads. Turn left (S.Wly) on dirt road and go 0.1 mi. to point of clear, flat, area and station.

STATION MARK: Set a std. 4" brass L.A. CO. TRIANG. STA. cap on a 2" iron pipe in a 14" x 14" square conc. pad extending 3" above the ground and stamped "SAN PEDRO HILLS G-7, 1956, CO. ENGR. RE. 5869".

SUB-SURFACE MARK: Set a 3/4" iron pipe with lead core & brass tack in conc. dm. 38" below surface & separated from the surface monument by an 8" layer of sand.

REFERENCE MARK NO. 1: Set a std. 4" brass L.A. CO. R.M. cap on a 2" iron pipe in a 12" x 12" square conc. pillar extending 6" above the ground and stamped "SAN PEDRO HILLS, G-7, R.M. NO. 1, 1956, CO. ENGR. R.E. 5869".

REFERENCE MARK NO. 2: Set same as R.M. NO. 1 except stamped "R.M. NO. 2."

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

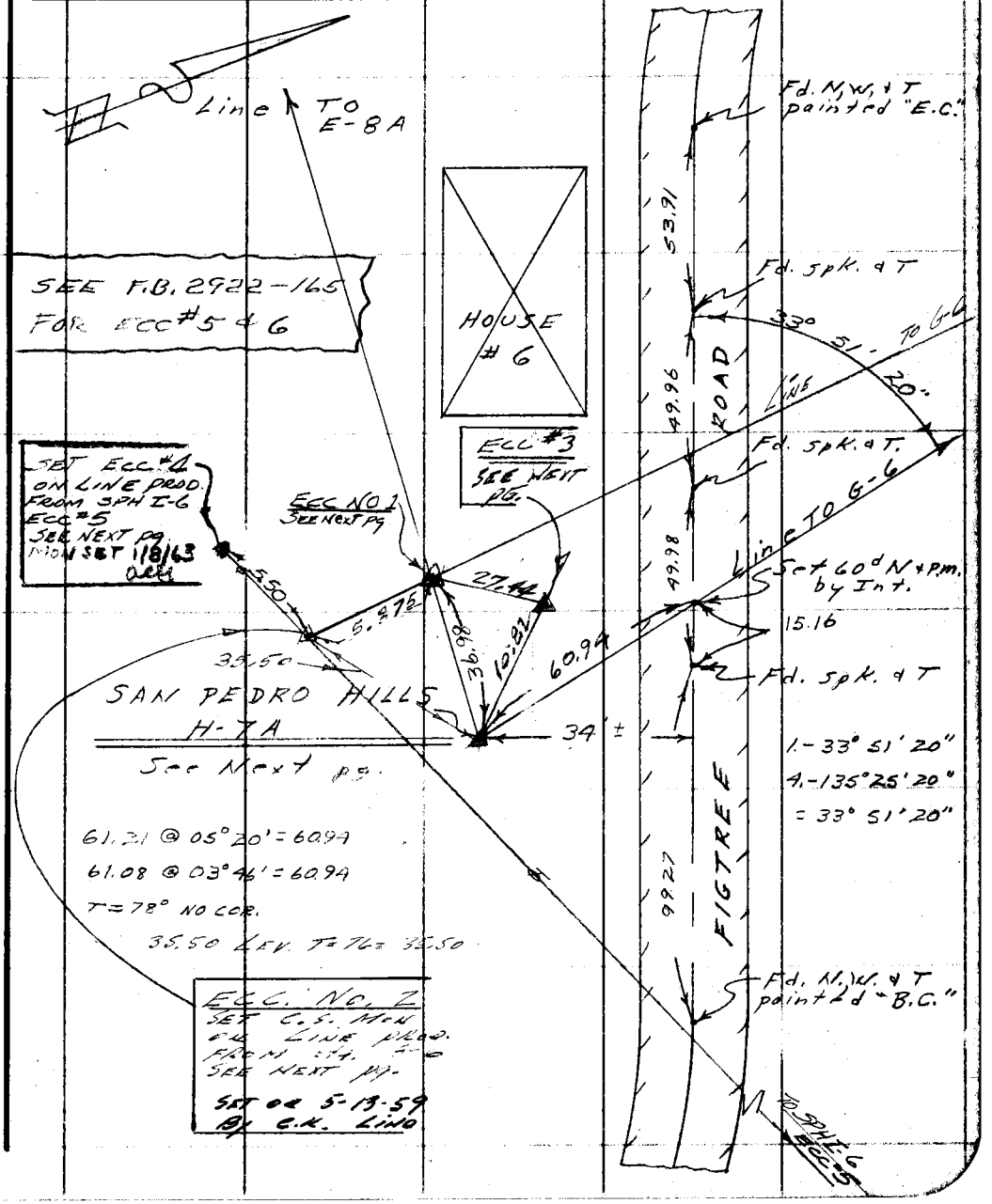
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std 84 °F
Office Work	Surveyed by W. D. BAX
Checked	Notes W. D. B. Date 1-11-57
Date	Indexed A. C. Johnson 1-28-57

F. B. 949 PG. 67

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

SAN PEDRO HILLS H-7A & ECC. NO. 1 & 2



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

76F309S S&E #247 1-56

F. B. 949 PG. 70

— DESCRIPTIONS —

SAN PEDRO HILLS H-7A & ECC. NO. 1.

This station is in LOS ANGELES COUNTY, in the PORTUGUESE BEND area of the SAN PEDRO HILLS, on a small rise, 34' S. of FIGTREE ROAD, & 76' E. of house #6.

STATION MARK: Set a std. precast CO. ENGR. monument flush & stamped "SAN PEDRO HILLS H-7A, 1956, R.E. 5869".
MON. set 11-27-'56

ECC. NO. 1: Set a std. precast CO. ENGR. monument flush & stamped "S.P.H. H-7A, ECC. NO. 1, 1957, RE 5869."
MON. set 1-9-'57

ECC. No. 2: SET A STD. PRECAST CO. ENGR. MON. FLUSH & STAMPED S.P.H H-7A, ECC. No 2, 1959 RE5869
MON SET ON 5-13-59, By C.K. LINO

ECC NO 4 - SET A STD PRECAST CO ENGR MON UP 4" & stamped "SPH H7A, ECC 4 1963 RE 5869"
MON SET JAN 8, 1963 By [illegible]

ECC No 3
SET A STD. CE PRECAST MON. FLUSH AND STAMPED S.P.H H-7A ECC. 3 RE5869
MON SET 12-20-60 By CKL

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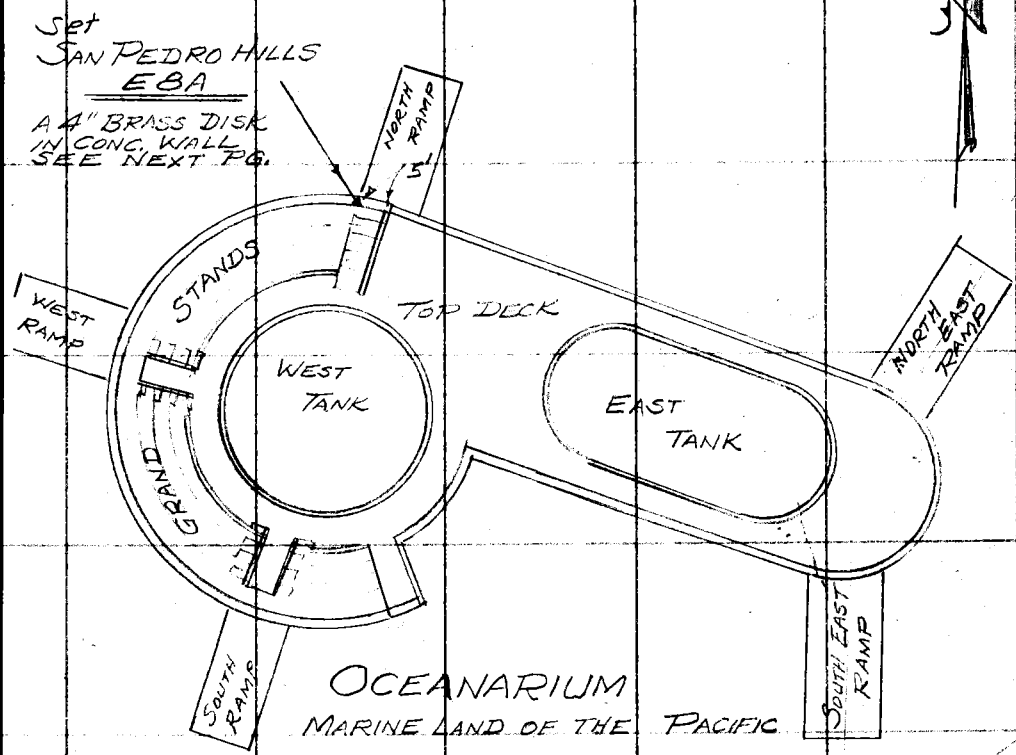
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes STOCK Date 11-1-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 71

L.A. COUNTY SURVEY CONTROL SYSTEM
TRIANGULATION STATION
SAN PEDRO HILLS E-8A



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

F. B. 949 PG. 72

DESCRIPTIONS
SAN PEDRO HILLS E-8A

This triangulation station is in Los Angeles County, in the San Pedro Hills, on Long Point, on the top of the highest wall of the stadium of the Oceanarium (Marine Land of the pacific), at the most north easterly end of the parapit wall directly above the north ramp to Stadium and is on top of the wall 5' West of Corner.

Note: To occupy this station a pillar attachment must be used.

Station Mark: Set A standard 4" brass tablet (disk) flush & cemented to top of Conc. Wall. Disk is lettered: "L.A. County Survey Control System, triangulation Station, San Pedro Hills E-8A, 1956, Set by Co. Engr. R.E. 5569."

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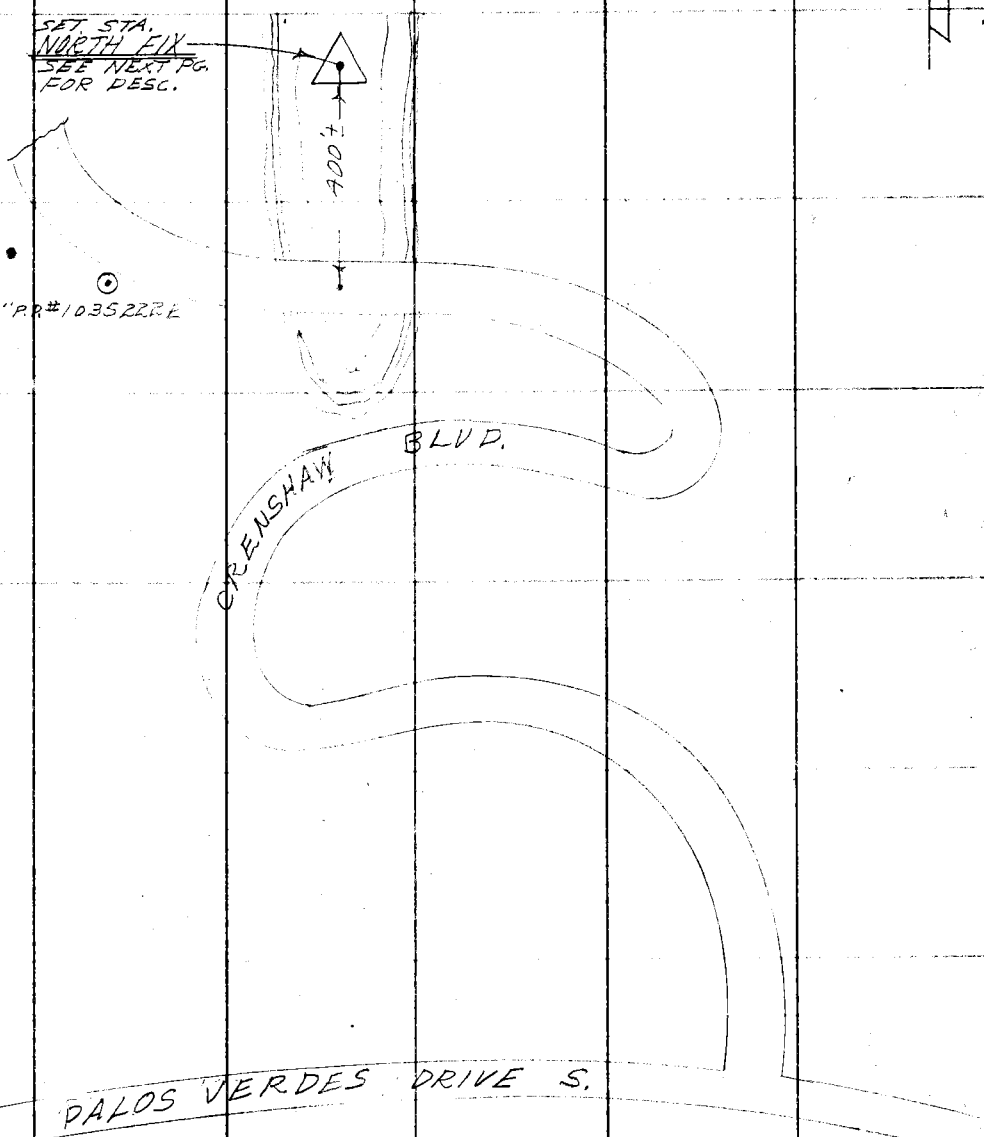
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes RICHARDS Date 10-22-56
Date	Indexed C. Johnson

F. B. 947 PG. 73

PORTUGUESE BEND SLIDE AREA
TRIANGULATION STATION
NORTH FIX



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

F. B. 949 PG. 74

NORTH FIX

~DESCRIPTIONS~

LOCATION: THIS STATION IS IN L.A. COUNTY, IN THE SAN PEDRO HILLS, IN THE PORTUGUESE BEND AREA, ON A PROMINANT RIDGE, 400'± NORTHERLY FROM THE ℄ OF CRENSHAW BLVD AND 0.95 MILES NORTHERLY OF PALOS VERDES DRIVE SOUTH, ALONG CRENSHAW BLVD.

STATION MARK: SET A 3/4" IRON PIPE FLUSH, WITH DRILLED CAP FOR CENTER

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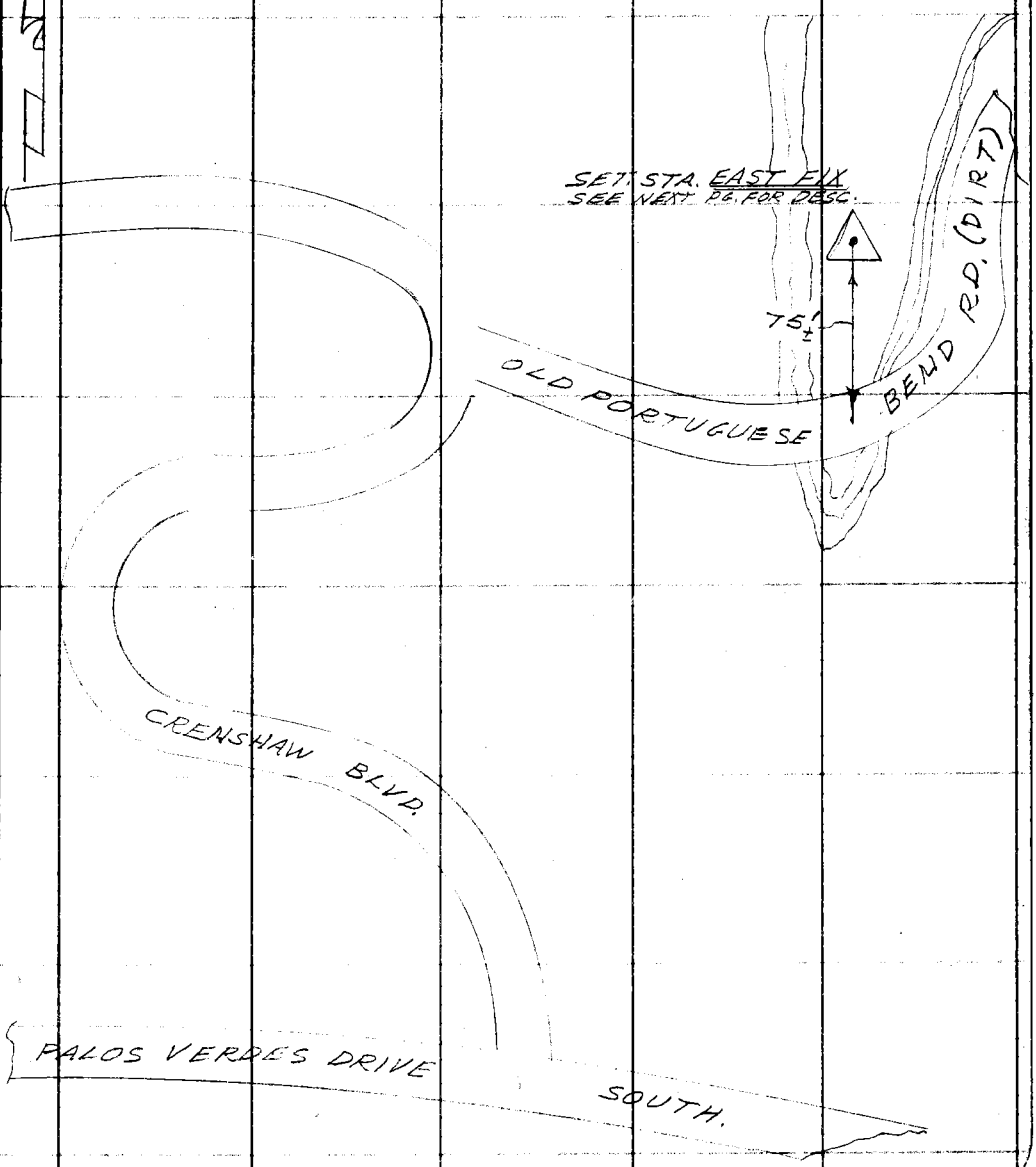
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by H. R. STACK
Checked	Notes RICHARDS Date 10-27-56
Date	Indexed C. Johnson

F. B. 949 PG. 75

PORTUGUESE BEND SLIDE AREA
TRIANGULATION STATION
EAST FIX



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

F. B. 944 Pg. 76

EAST FIX

- DESCRIPTIONS -

LOCATION: THIS STATION IS IN L.A. COUNTY, IN THE SAN PEDRO HILLS, IN THE PORTUGUESE BEND AREA, ON THE TOP OF A PROMINANT RIDGE, 0.35 MILES EASTERLY FROM THE ℄ OF CRENSHAW BLVD ON OLD PORTUGUESE BEND ROAD, AND 0.70 MILES NORTHERLY FROM PALOS VERDES DRIVE SOUTH ON CRENSHAW BLVD.

STATION MARK: SET A ~~3/4" IRON PIPE~~ FLUSH, WITH DRILLED CAP FOR CENTER

NOTE: STATION MARK FOUND:

COUNTY ENGINEER MONUMENT MK'D. AS SHOWN:

UP 3"

COUNTY ENGINEER STA. E. FIX 1956 R. E. 5869

2-NOV-1965
J. Fulton

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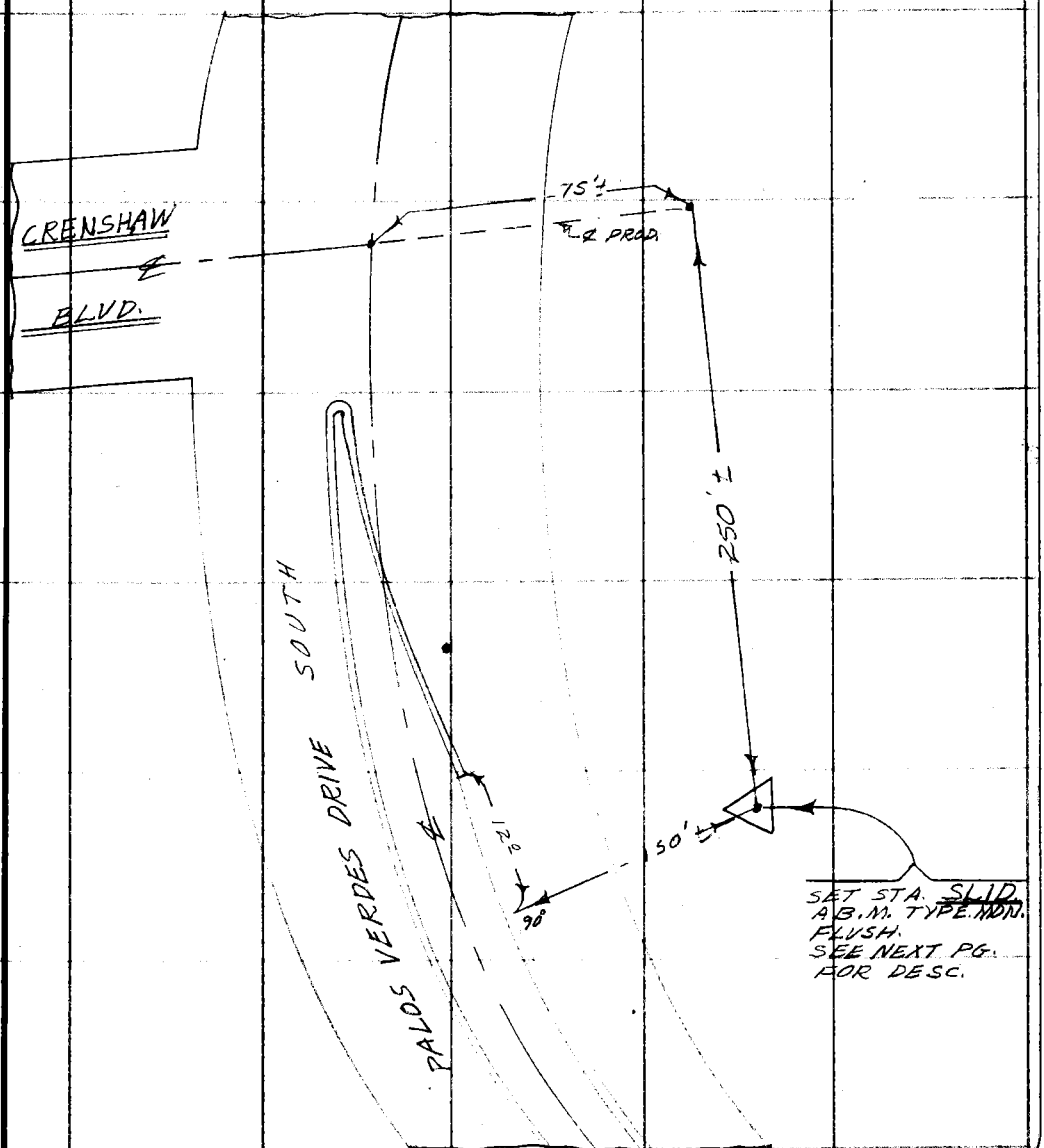
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes RICHARDS Date 10-22-56
Date	Indexed E. C. Johnson

F. B. 949 Pg. 77

PORTUGUESE BEND SLIDE AREA

STATION SLID



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76F309S S&E #247 1-56

F. B. 944 PG. 78

STATION SLID.

- DESCRIPTIONS -

THIS STATION IS IN L.A. COUNTY, IN THE SAN PEDRO HILLS, IN THE PORTUGUESE BEND AREA, ON A SMALL HILLTOP 150'± SOUTHERLY FROM THE SOUTH CURB LINE OF THE CENTER ISLAND AND 250'± WESTERLY FROM THE CENTER LINE OF CRENSHAW BLVD. (SEE SKETCH ON REVERSE SIDE)

STATION MARK: SET A STANDARD COUNTY ENGINEER BENCH MARK TYPE PRE-CAST CONCRETE MONUMENT FLUSH MARKED: COUNTY ENGINEER R.E. 5869 - 1956 - STA. SLID.

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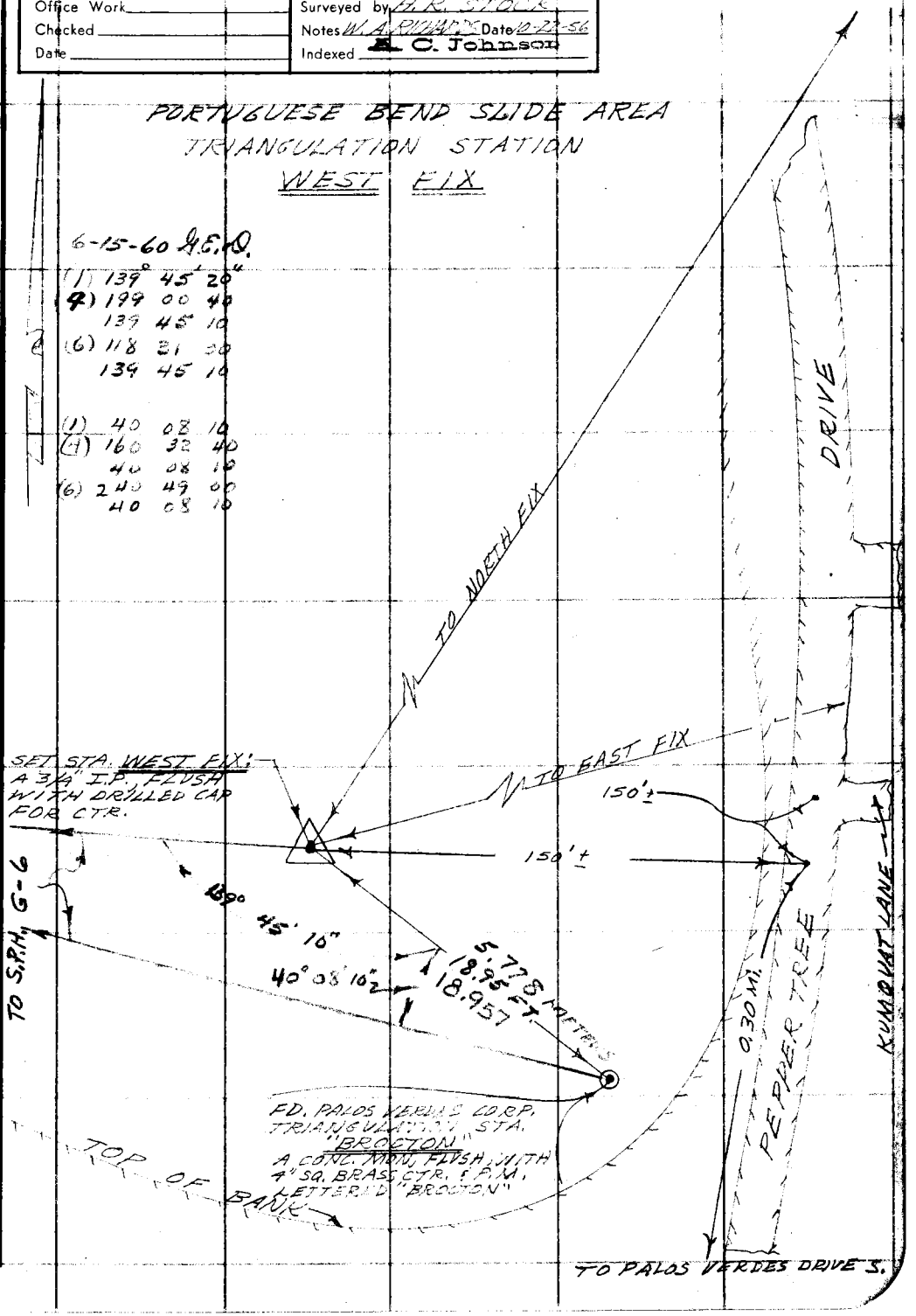
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes W.A. RICHARDS Date 10-22-56
Date	Indexed A. C. Johnson

F. B. 944 PG 19

PORTUGUESE BEND SLIDE AREA
TRIANGULATION STATION
WEST FIX

6-15-60 G.E.D.

(1)	139°	45'	20"
(4)	199	00	40
	139	45	10
(6)	118	31	00
	139	45	10
(1)	40	08	10
(4)	160	32	40
	40	08	10
(6)	240	49	00
	40	08	10



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76F309S S&E #247 1-56

F. B. 949 Pg. 80

TRIANGULATION STATION

WEST FIX

-DESCRIPTIONS-

THIS STATION IS IN L.A. COUNTY, IN THE PORTUGUESE BEND AREA, ON THE TOP OF A SMALL BLUFF, 150 ± W'LY OF PEPPERTREE DRIVE AND 150 ± S.W'LY OF THE ℄ INT. OF PEPPERTREE DRIVE AND KUMQUAT LANE, AND 0.30 MILES NORTHERLY FROM PALOS VERDES DRIVE SOUTH.

STATION MARK: SET A ~~3/4 I.P.~~, 18" LONG, FLUSH WITH CAP AND DRILLED CTR. FOR POINT.

NOTE: STATION MARK FOUND:

A COUNTY ENGINEER MONUMENT

MK'D AS SHOWN:

UP 3"

COUNTY ENGINEER
STA. W. FIX
1956
R.E. 5869

2-NOV-1965
J. Fulton

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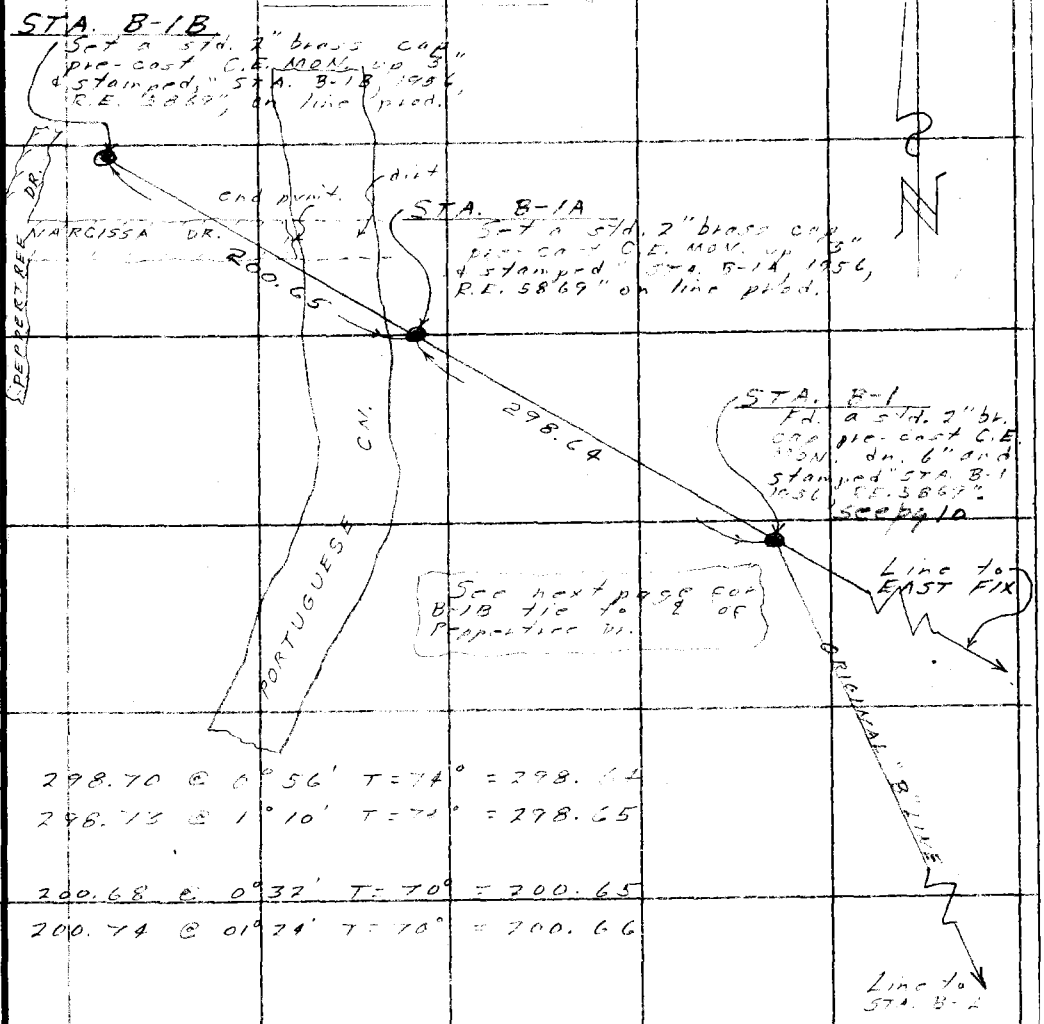
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 95 St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 10-26-56
Date	Indexed A. C. Johnson 11-1-56

F. B. 949 Pg. 81

"B" LINE (CONT.)



298.70 @ 0° 56' T = 74° = 298.64

298.73 @ 1° 10' T = 74° = 298.65

200.68 @ 0° 32' T = 70° = 200.65

200.74 @ 01° 24' T = 70° = 200.66

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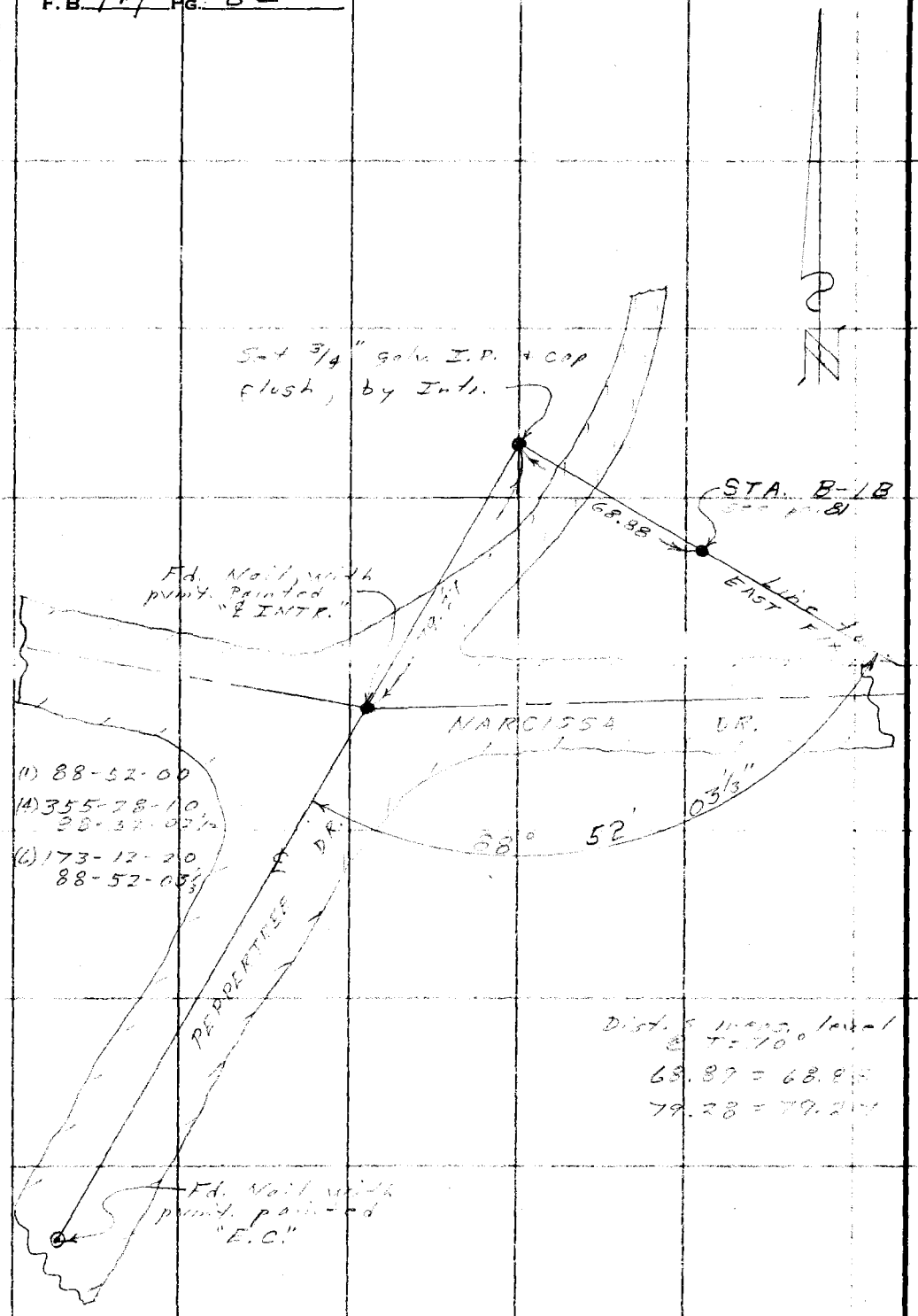
76F309S S&E #247. 8-54

F. B. 949 PG. 82



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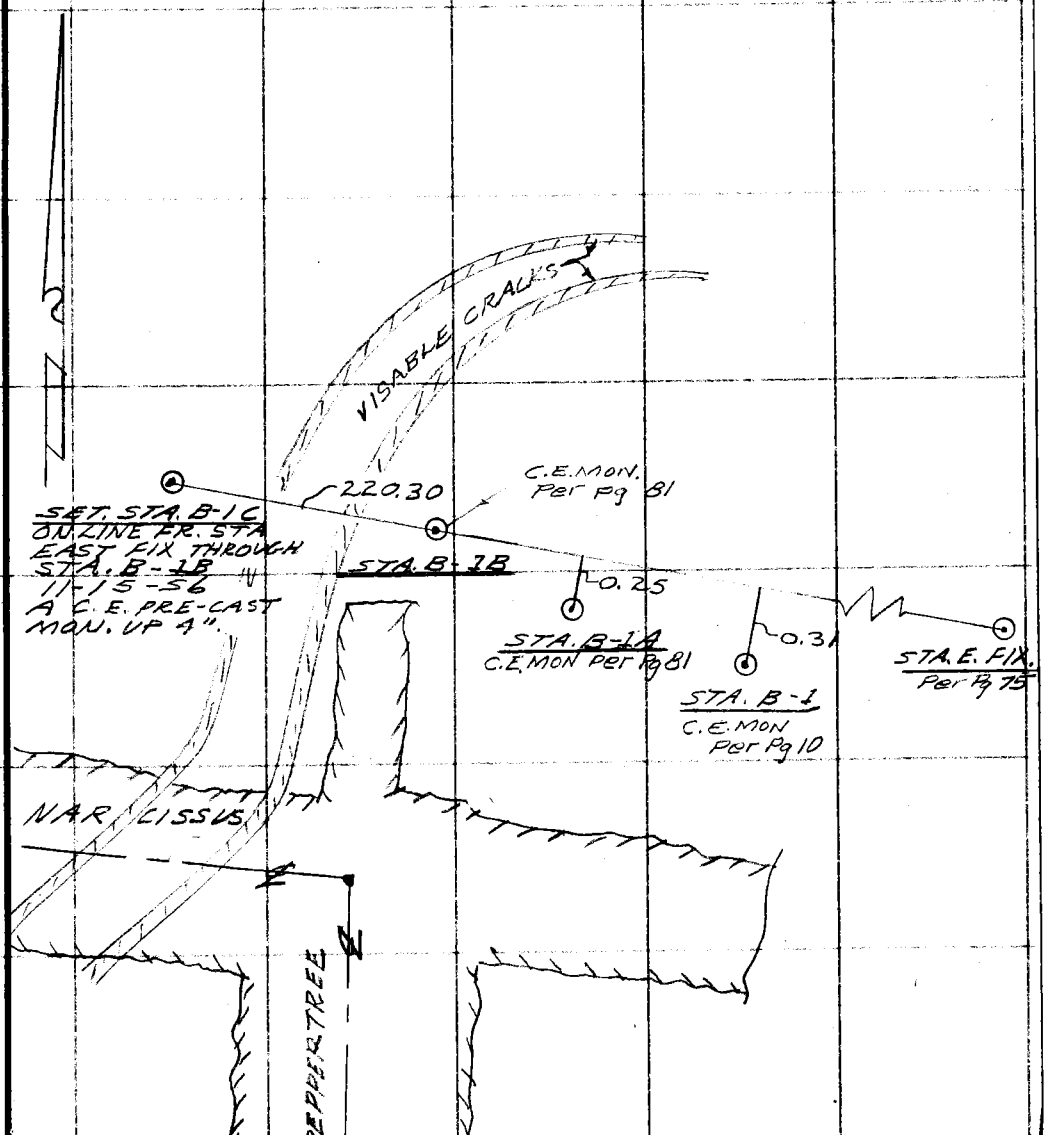
Notes Ck'd by	Survey of Geodetic Control
Map No.	W. O. 0301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes RICHARDS Date 11-15-56
Date	Indexed E. C. Johnson 11-20-56

F. B. 949 PG. 53

PORTUGUESE BEND
LANDSLIDE AREA
LINE CHECK STATION
B-1C



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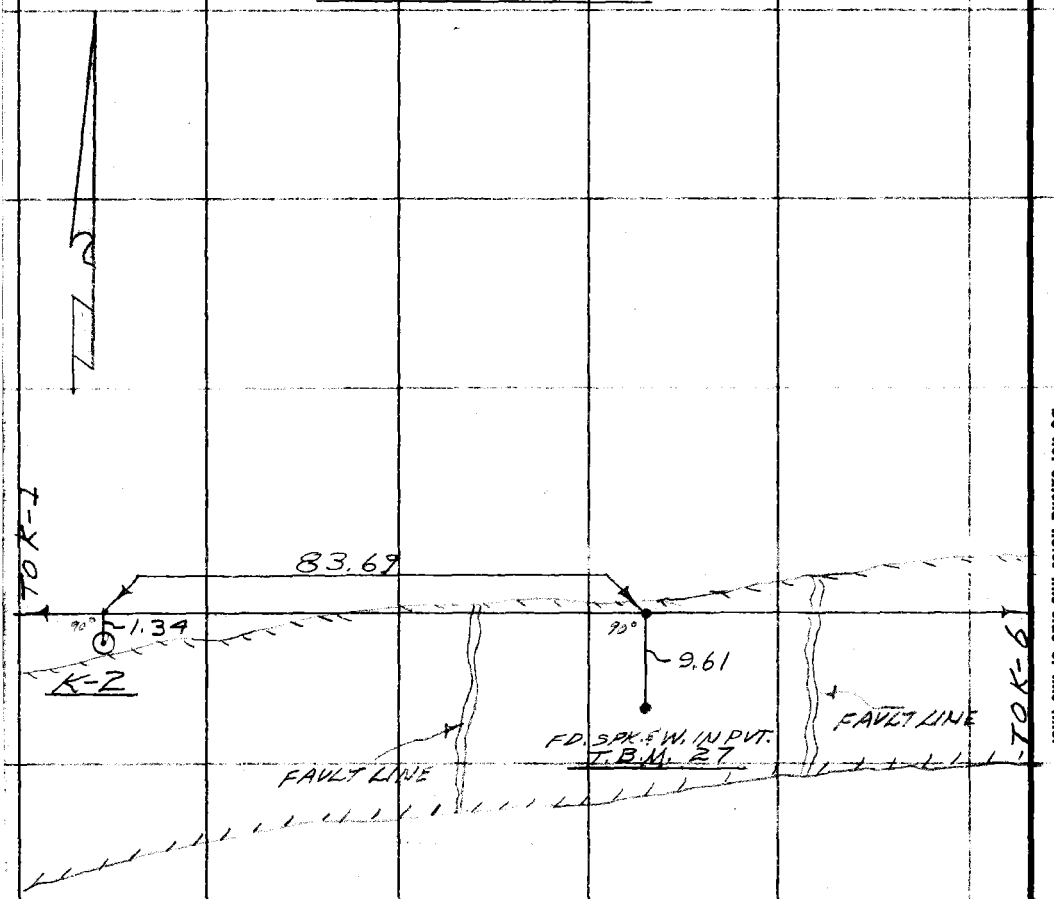
76F309S S&E #247. 8-54

F. B. 949 PG. 84

PORTUGUESE BEND
LANDSLIDE AREA
STATION T.B.M-27



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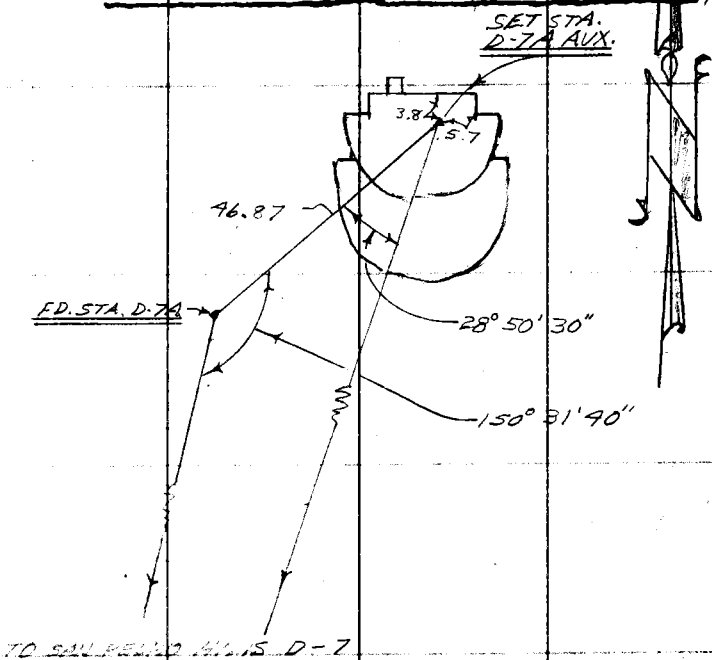
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes H.R. STOCK Date [illegible]
Date	Indexed A. C. Johnson

F. B. 949 PG. 85

S.P. Hills D 7A Aux.

SAN PEDRO HILLS D-7A-AUX.



2 - 57° 41' 15"
28° 50' 37½"

4 - 115° 22' 00"
28° 50' 30"

6 - 173° 03' 00"
28° 50' 30"

2 - 301° 03' 30"
150° 31' 45"

4 - 242° 06' 45"
150° 31' 41¼"

47.5 @ 09° 55'
T = 84° = 46.87

47.77 @ 11° 09'
T = 84° = 46.87

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76F309S S&E #247 1-56

F. B. 944 PG. 86

TRIANGULATION STATION
D-7A AUX.

THIS TRIANGULATION STATION IS IN LOS ANGELES COUNTY, IN THE PALOS VERDES HILLS ON A PROMINENT RIDGE 3000' ± N.E. OF THE POINT VICENTE LIGHT HOUSE ON TOP OF A LARGE CONCRETE BUNKER AND OBSERVATION POST.

TO REACH FROM CRENSHAW BLVD & CREST RD. GO WEST ON CREST RD. 2.5 MILES TO A DIRT ROAD 300' ± BEYOND MILITARY RESV., AND AT SOUTH END OF CUT FOR ROAD, TURN SHARP RIGHT ON ROAWAY, FOLLOW DOWN RIDGE 0.20 MILE TO WHERE DIRT ROADS CROSS IN CULTIVATED FIELD. CONTINUE WEST PARALLEL TO POWER LINE 0.30 MILE MORE TO END OF FIELD AND LARGE MOUND IN CENTER OF RIDGE AND STATION ON TOP OF CONC. PILL BOX.

FOR ALTERNATE ROUTE SEE TO REACH DESC. ON S.A.T. RULE CARD.

STATION MARK: SET A 4" BRASS TRIANGULATION MARK CEMENTED FLUSH ATOP CONC. PILL BOX 3.5' SOUTH OF THE N. EDGE & 3.0' E. OF CENTER OF CONC MASS. STATION MARK IS LETTERED "L. A. CO. SURV. CONT. SYS. TRIANGULATION STA. D-7A-AUX., 1956, SET BY CO. ENGR. R.E. 5869

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Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H. R. Stock
Checked	Notes Wills Date 10-56
Date	Indexed C. Johnson 10-30-57

F. B. 949 PG. 87

A1 To A2

Comparison Sheet

Held for line ?

Radial Pt #1

offsets A1 A2

Date	Total offsets	distance	Total Spread	Period Line	diff Spread
9-14-56		264.91			
10-9-56	1.11	264.87	-0.04	0.08	0.00
10-11-56	1.13	[illegible]	[illegible]	0.12	0.00
10-15-56	1.35	[illegible]	-0.07	0.12	-0.03
10-16-56	1.40	264.81	-0.10	0.05	-0.03
10-17-56	1.47	264.80	-0.11	0.07	+0.01
10-18-56	1.52	264.77	-0.14	0.05	-0.03
10-19-56	1.55	264.77	-0.14	0.03	0.00
10-22-56	1.63	[illegible]	[illegible]	0.08	0.00
10-23-56	1.68	264.75	-0.16	0.05	-0.02
10-24-56	1.74	264.75	-0.16	0.06	0.00
10-25-56	[illegible]	[illegible]	-0.19	0.01	-0.03
10-26-56	1.78	264.[illegible]	-0.20	0.03	-0.01
10-29-56	1.89	264.69	-0.22	0.11	-0.02
10-30-56	[illegible]	264.69	-0.22	0.03	0.00
11-1-56	1.96	264.69	-0.22	0.04	0.00
11-[illegible]-56	[illegible]	[illegible]	[illegible]	0.00	-0.03
11-2-56	2.01	264.63	-0.28	0.05	-0.03
11-5-56	2.10	264.61	-0.30	0.09	-0.02
11-7-56	2.15	264.61	-0.30	0.05	0.00
11-8-56	2.15	264.61	-0.30	0.00	0.00
11-9-56	2.20	264.61	-0.30	0.05	0.00
11-13-56	2.29	264.61	-0.30	0.09	0.00
11-14-56	2.29	264.54	-0.37	0.00	-0.07
11-15-56	2.29	NOT MEAS.	—	0.00	—
11-16-56	2.35	264.52	-0.39	0.06	-0.02
11-19-56	2.38	264.52	-0.39	0.03	0.00
11-20-56	2.38	264.52	-0.39	0.00	0.00
11-23-56	2.41	264.52	-0.39	0.03	0.00
11-26-56	2.41	264.49	-0.42	0.00	-0.03
11-27-56	2.41	264.47	-0.44	0.00	-0.0[illegible]

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76F309S S&E #247 1-56

F. B. 949 Pg. 88

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
11-28-56	2.44	264.47	-0.44	0.03	0.00
11-29-56	2.46	264.47	-0.44	0.02	0.00
11-30-56	2.50	264.45	-0.46	0.04	0.02
12-3-56	2.53	264.45	-0.46	0.03	0.00
12-4-56	2.60	264.45	-0.46	0.07	0.00
12-5-56	2.60	264.45	-0.46	0.00	0.00
12-6-56	2.60	264.45	-0.46	0.00	0.00
12-7-56	2.60	264.45	-0.46	0.00	0.00
12-10-56	2.62	264.43	-0.48	0.02	0.02
12-11-56	2.63	264.43	-0.48	0.01	0.00
12-12-56	2.65	264.41	-0.50	0.02	0.02
12-13-56	2.65	264.41	-0.50	0.00	0.00
12-14-56	2.65	264.41	-0.50	0.00	0.00
12-17-56	2.65	264.41	-0.50	0.00	0.00
12-18-56	2.67	264.41	-0.50	0.02	0.00
12-19-56	2.67	264.41	-0.50	0.00	0.00
12-20-56	2.67	264.39	-0.52	0.00	0.02
12-21-56	2.69	264.37	-0.52	0.02	0.00
12-26-56	2.74	264.39	-0.52	0.05	0.00
12-27-56	2.75	264.39	-0.52	0.01	0.00
12-28-56	2.75	264.39	-0.52	0.00	0.00
1-2-57	2.77	264.38	-0.53	0.04	-0.01
1-8-57	2.91	264.33	-0.58	0.12	-0.05
1-15-57	2.95	264.30	-0.61	0.04	-0.03

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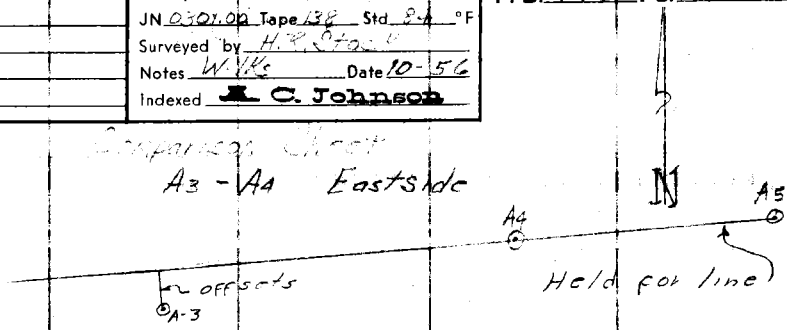
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H.R. Stock
Checked	Notes W.Y.K. Date 10-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 89

Comparison Sheet

A3 - A4 Eastside



Date	Total offset	Distance	Total Spread	Period Line	Diff Spread
9-18-56	0.11	249.61	—	—	—
10-9-56	1.45	249.55	-0.06	0.01	0.00
10-[illegible]-56	1.53	249.53	-0.06	0.08	0.00
10-15-56	1.82	249.53	-0.08	0.29	-0.02
10-16-56	1.87	249.53	-0.06	0.05	+0.02
10-17-56	1.96	249.53	-0.06	0.09	-0.00
10-18-56	2.07	249.53	-0.06	0.11	0.00
10-19-56	2.10	249.53	-0.06	0.03	0.00
10-22-56	2.34	249.52	-0.03	0.24	-0.03
10-23-56	2.43	249.52	-0.09	0.09	-0.06
10-24-56	2.48	249.46	-0.15	0.05	-0.06
10-25-56	2.54	249.51	-0.10	0.06	+0.05
10-26-56	2.62	249.49	-0.12	0.08	-0.02
10-29-56	2.87	249.49	-0.12	0.25	0.00
10-30-56	2.94	249.53	-0.08	0.07	+0.04
10-31-56	2.[illegible]	249.53	-0.08	0.04	0.00
11-1-56	[illegible]	[illegible]	-0.08	0.17	0.00
11-2-56	3.15	249.49	-0.12	0.00	-0.04
11-5-56	3.38	249.47	-0.14	0.23	-0.02
11-7-56	3.55	249.47	-0.14	0.17	0.00
11-8-56	3.67	249.47	-0.14	0.12	0.00
11-9-56	3.74	249.47	-0.14	0.07	0.00
11-13-56	4.01	249.49	-0.12	0.27	+0.02
11-14-56	4.10	249.47	-0.14	0.09	-0.02
11-15-56	4.19	249.47	-0.14	0.09	0.00
11-16-56	4.30	249.47	-0.14	0.11	0.00
11-19-56	4.52	249.47	-0.14	0.22	0.00
11-20-56	4.59	249.47	-0.14	0.07	0.00
11-23-56	4.89	249.47	-0.14	0.30	0.00
11-26-56	5.13	249.47	-0.14	0.24	0.00
11-27-56	5.22	249.44	-0.17	0.09	0.03

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76F309S S&E #247 1-56

F. B. 949 PG. 90

DATE	TOTAL OFFSETS	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
11-28-56	5.33	249.44	-0.17	0.11	0.00
11-29-56	5.38	249.44	-0.17	0.05	0.00
11-30-56	5.46	249.44	-0.17	0.08	0.00
12-3-56	5.72	249.44	-0.17	0.26	0.00
12-4-56	5.87	249.44	-0.17	0.15	0.00
12-5-56	5.95	249.44	-0.17	0.08	0.00
12-6-56	6.06	249.43	-0.18	0.11	-0.01
12-7-56	6.09	249.43	-0.18	0.03	0.01
12-10-56	6.37	249.43	-0.18	0.28	0.00
12-11-56	6.47	249.43	-0.18	0.10	0.00
12-12-56	6.56	249.43	-0.18	0.09	0.00
12-13-56	6.66	249.43	-0.18	0.10	0.00
12-14-56	6.72	249.43	-0.18	0.06	0.00
12-17-56	6.98	249.41	-0.20	0.26	0.02
12-18-56	7.07	249.41	-0.20	0.09	0.00
12-19-56	7.16	249.41	-0.20	0.09	0.00
12-20-56	7.28	—	—	0.12	—
12-21-56	7.40	249.44	-0.17	0.12	0.03
12-26-56	7.82	249.40	-0.21	0.42	-0.04
12-27-56	7.94	249.42	-0.19	0.12	0.02
12-28-56	8.04	249.42	-0.19	0.10	0.00
1-2-57	8.52	249.42	-0.19	0.48	0.00
1-3-57	8.60	249.42	-0.19	0.08	0.00
1-4-57	8.66	249.42	-0.19	0.06	0.00
1-8-57	9.02	249.40	-0.21	0.36	-0.02
1-10-57	9.23	249.40	-0.21	0.21	0.00
1-11-57	9.32	249.40	-0.21	0.09	0.00
1-14-57	9.64	249.40	-0.21	0.32	0.00
1-15-57	9.66	249.37	-0.24	0.02	0.03
1-16-57	9.78	249.37	-0.24	0.12	0.00
1-17-57	9.90	249.37	-0.24	0.12	0.00
1-18-57	9.94	249.37	-0.24	0.04	0.00
1-21-57	10.29	249.37	-0.24	0.35	0.00
1-22-57	10.34	249.37	-0.24	0.05	0.00
1-23-57	10.41	249.37	-0.24	0.07	0.00
1-25-57	10.59	249.37	-0.24	0.18	0.00
1-28-57	10.88	249.37	-0.24	0.29	0.00

(SEE NEXT PAGE)

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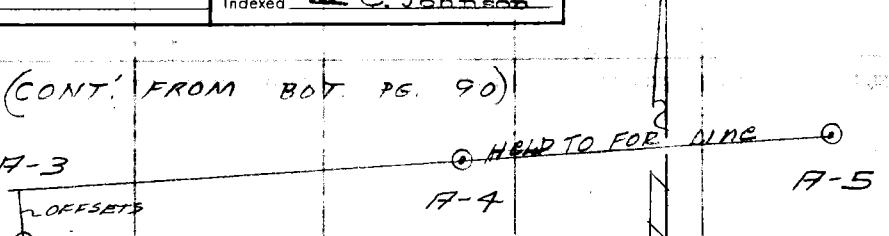
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 93 Std 84 °F
Office Work	Surveyed by
Checked	Notes Richards Date 1-57
Date	Indexed J. C. Johnson

F. B. 949 PG. 91

(CONT. FROM BOT. PG. 90)



DATE	OFFSET	TOTAL DISTANCE	TOTAL SPREAD	PERIOD LINE	SPREAD
1-30-57	11.12	249.37	-0.24	0.24	0.00
1-31-57	11.21	249.37	-0.24	0.09	0.00
2-1-57	11.28	249.37	-0.24	0.07	0.00
2-4-57	11.56	249.37	-0.24	0.28	0.00
2-5-57	11.65	249.37	-0.24	0.09	0.00
2-6-57	11.73	249.37	-0.24	0.08	0.00
2-7-57	11.81	249.37	-0.24	0.08	0.00
2-8-57	11.88	249.37	-0.24	0.07	0.00
2-11-57	12.23	249.37	-0.24	0.35	0.00
2-13-57	12.37	249.37	-0.24	0.14	0.00
2-14-57	12.48	249.37	-0.24	0.11	0.00
2-15-57	12.56	249.37	-0.24	0.08	0.00
2-18-57	12.84	249.37	-0.24	0.28	0.00
2-19-57	12.93	249.37	-0.24	0.09	0.00
2-20-57	13.03	249.37	-0.24	0.10	0.00
2-21-57	13.12	249.37	-0.24	0.09	0.00
2-25-57	13.48	249.37	-0.24	0.36	0.00
2-26-57	13.56	249.37	-0.24	0.08	0.00
2-27-57	13.67	249.35	-0.26	0.11	-0.02
3-1-57	13.85	249.35	-0.26	0.18	0.00
3-4-57	14.12	249.35	-0.26	0.27	0.00
3-5-57	14.22	249.35	-0.26	0.10	0.00
3-6-57	14.30	249.35	-0.26	0.08	0.00
3-7-57	14.40	249.35	-0.26	0.10	0.00
3-8-57	14.48	249.35	-0.26	0.08	0.00
3-11-57	14.76	249.35	-0.26	0.28	0.00
3-12-57	14.87	249.35	-0.26	0.11	0.00
3-13-57	14.96	249.35	-0.26	0.09	0.00
3-14-57	15.06	249.34	-0.27	0.10	-0.01

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76F309S S&E #247 1-56

F. B. 717 PG. 92

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-15-57	15.13	249.34	-0.27	0.07	0.00
3-18-57	15.36	249.34	-0.27	0.23	0.00
3-19-57	15.46	249.34	-0.27	0.10	0.00
3-20-57	15.56	249.34	-0.27	0.10	0.00
3-21-57	15.63	249.34	-0.27	0.07	0.00
3-22-57	15.70	Too windy		0.07	—
3-25-57	15.96	249.34	-0.27	0.26	0.00
3-26-57	16.04	249.34	-0.27	0.08	0.00
3-27-57	16.12	249.34	-0.27	0.08	0.00
3-28-57	16.21	249.34	-0.27	0.09	0.00
3-29-57	16.29	249.34	-0.27	0.08	0.00
4-2-57	16.62	249.34	-0.27	0.33	0.00
4-3-57	16.69	249.34	-0.27	0.07	0.00
4-4-57	16.76	249.34	-0.27	0.07	0.00
4-5-57	16.84	249.34	-0.27	0.08	0.00
4-8-57	17.07	249.34	-0.27	0.23	0.00
4-9-57	17.14	249.34	-0.27	0.07	0.00
4-10-57	17.22	249.34	-0.27	0.08	0.00
4-11-57	17.30	249.34	-0.27	0.08	0.00
4-12-57	17.37	249.34	-0.27	0.07	0.00
4-15-57	17.60	249.34	-0.27	0.23	0.00
4-16-57	17.69	249.34	-0.27	0.09	0.00
4-17-57	17.76	249.34	-0.27	0.07	0.00
4-18-57	17.86	249.34	-0.27	0.10	0.00
4-19-57	17.91	249.34	-0.27	0.05	0.00
4-22-57	18.13	249.34	-0.27	0.22	0.00
4-23-57	18.19	249.34	-0.27	0.06	0.00
4-24-57	18.26	249.34	-0.27	0.07	0.00
4-25-57	18.34	249.34	-0.27	0.08	0.00
4-26-57	18.40	249.34	-0.27	0.06	0.00
4-27-57	18.60	249.34	-0.27	0.20	0.00
4-30-57	18.67	249.35	-0.26	0.07	0.01
5-1-57	18.74	249.35	-0.26	0.07	0.00
5-2-57	18.82	249.35	-0.26	0.08	0.00
5-3-57	18.88	249.35	-0.26	0.06	0.00
5-6-57	19.09	249.35	-0.26	0.21	0.00
5-7-57	19.16	249.36	-0.25	0.07	0.01
5-8-57	19.22	249.36	-0.25	0.06	0.00

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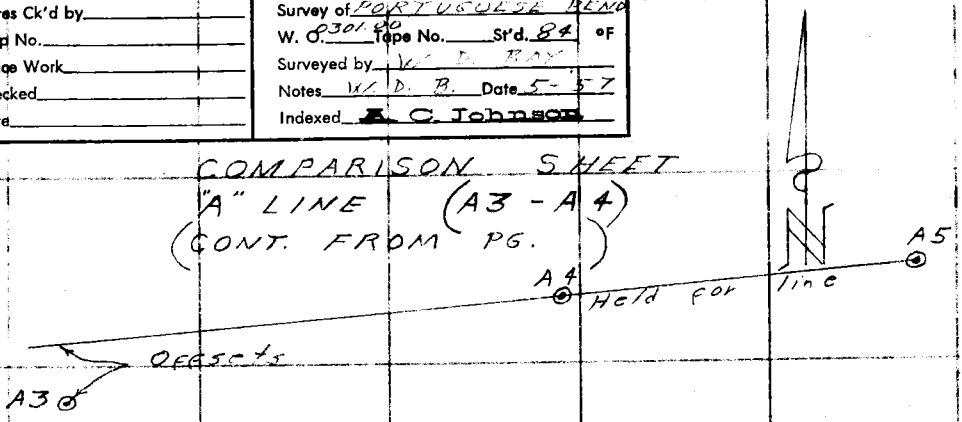
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 8301.00 Tape No. St'd. 84 °F
Office Work	Surveyed by W. D. BAX
Checked	Notes W. D. B. Date 5-57
Date	Indexed A. C. Johnson

F. B. 777 Pg. 93

COMPARISON SHEET
"A" LINE (A3 - A4)
(CONT. FROM PG.)



DATE	TOTAL OFFSET	DISTANCE A3-A4	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
5-9-57	19.30	249.36	-0.25	0.08	0.00
5-10-57	19.36	249.36	-0.25	0.06	0.00
5-13-57	19.54	249.36	-0.25	0.18	0.00
5-14-57	19.61	249.36	-0.25	0.07	0.00
5-15-57	19.67	249.36	-0.25	0.06	0.00
5-16-57	19.76	249.36	-0.25	0.09	0.00
5-17-57	19.80	249.36	-0.25	0.04	0.00
5-20-57	20.00	249.36	-0.25	0.20	0.00
5-21-57	20.05	249.36	-0.25	0.05	0.00
5-22-57	20.12	249.36	-0.25	0.07	0.00
5-23-57	20.20	249.36	-0.25	0.08	0.00
5-24-57	20.27	249.36	-0.25	0.07	0.00
5-27-57	20.46	249.36	-0.25	0.19	0.00
5-28-57	20.52	249.36	-0.25	0.06	0.00
5-29-57	20.59	249.36	-0.25	0.07	0.00
M 6-3-57	20.88	249.36	-0.25	0.29	0.00
T 6-4-57	20.95	249.36	-0.25	0.07	0.00
W 6-5-57	21.00	249.36	-0.25	0.05	0.00
T 6-6-57	21.05	249.36	-0.25	0.05	0.00
F 6-7-57	21.12	249.36	-0.25	0.07	0.00
M 6-10-57	21.29	249.36	-0.25	0.17	0.00
W 6-12-57	21.41	249.37	-0.24	0.12	0.01
F 6-14-57	21.53	249.37	-0.24	0.12	0.00
M 6-17-57	21.67	249.37	-0.24	0.14	0.00
W 6-19-57	21.80	249.37	-0.24	0.13	0.00
F 6-21-57	21.95	249.37	-0.24	0.15	0.00
M 6-24-57	22.09	249.41	-0.20	0.14	0.04

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F. B. 949 PG. 94

DATE	TOTAL OFFSET	DISTANCE A3-A4	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
Mon. M 6-24-57	22.09	249.41	-0.20	0.14	0.04
W 6-26-57	22.21	249.41	-0.20	0.12	0.00
T 6-27-57	22.28	249.39	-0.22	0.07	-0.02
F 6-28-57	22.35	249.41	-0.20	0.07	+0.02
M 7-1-57	22.43	249.41	-0.20	0.08	0.00
T 7-2-57	22.52	249.43	-0.18	0.09	+0.02
7-3-57	22.63	249.41	-0.20	0.11	-0.02
7-8-57	22.90	249.41	-0.20	0.27	0.00
7-9-57	22.97	249.41	-0.20	0.07	0.00
7-10-57	23.03	249.42	-0.19	0.06	+0.01
7-11-57	23.08	249.42	-0.19	0.05	0.00
7-12-57	23.13	249.42	-0.19	0.05	0.00
M 7-15-57	23.27	249.42	-0.19	0.14	0.00
T. 7-16-57	23.36	249.44	-0.17	0.09	0.02
7-17-57	23.41	249.44	-0.17	0.05	0.00
7-18-57	23.47	249.44	-0.17	0.06	0.00
7-19-57	23.50	249.44	-0.17	0.03	0.00
7-23-57	23.73	249.44	-0.17	0.23	0.00
7-25-57	23.85	249.44	-0.17	0.12	0.00
7-26-57	23.91	249.44	-0.17	0.06	0.00
7-29-57	24.08	249.47	-0.14	0.17	+0.03
7-30-57	24.11	249.47	-0.14	0.03	0.00
7-31-57	24.19	249.44	-0.17	0.08	-0.03
8-1-57	24.22	249.44	-0.17	0.03	0.00
8-2-57	24.27	249.44	-0.17	0.05	0.00
8-5-57	24.52	249.46	-0.15	0.25	+0.02
8-6-57	24.52	249.47	-0.14	0.00	+0.01
8-8-57	24.58	249.44	-0.17	0.06	-0.03
8-9-57	24.66	249.48	-0.13	0.08	+0.04
8-12-57	24.82	249.46	-0.15	0.16	-0.02
8-13-57	24.86	249.45	-0.16	0.04	-0.01
8-15-57	24.95	249.46	-0.15	0.09	+0.01
8-16-57	25.00	249.46	-0.15	0.05	0.00
8-19-57	25.16	249.46	-0.15	0.16	0.00
8-20-57	25.18	249.47	-0.14	0.02	+0.01
8-21-57	25.22	249.48	-0.13	0.04	+0.01

CONT. to FB. 959-7

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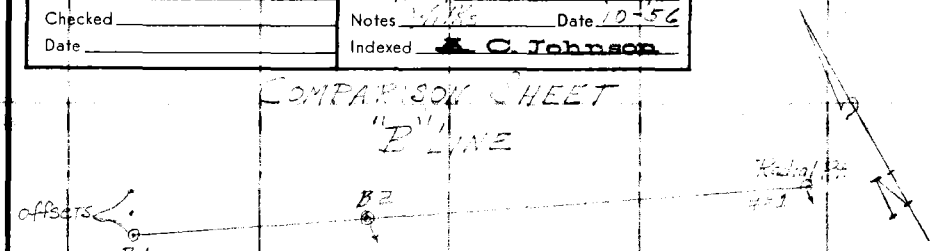
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 10-56
Date	Indexed A. C. Johnson

F. B. 949 PG. 95

COMPARISON SHEET
"B" LINE



Date	total offsets	Distance	total Spread	Period Line	diff Spread
9-14-56	—	246.42	—	—	—
[illegible]	0.83	[illegible]	[illegible]	[illegible]	0.00
10-15-56	[illegible]	[illegible]	[illegible]	0.13	+0.12
10-16-56	0.96	247.43	1.01	0.00	+0.04
10-18-56	1.02	247.47	1.05	0.06	+0.04
[illegible]	1.20	247.57	1.15	0.18	+0.10
10-24-56	1.20	247.61	1.19	0.00	+0.04
[illegible]		[illegible]			
10-29-56	[illegible]	247.72	[illegible]	[illegible]	0.11
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11-2-56	1.36	247.76	[illegible]	0.00	-0.08
11-5-56	1.44	247.85	1.43	0.08	0.07
11-7-56		Not Meas. Today			
11-8-56	1.45	247.93	1.51	0.01	0.08
11-9-56		Not Meas.			
11-13-56	1.57	247.95	1.53	0.12	+0.02

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76F309S S&E #247 1-56

F. B. 949 PG. 96

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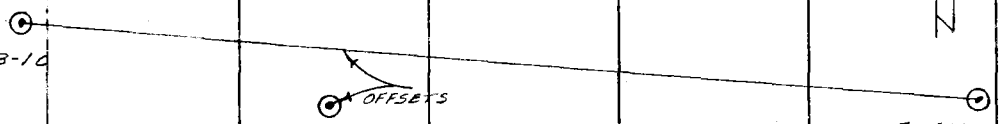
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 930.02 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes RICHARDS Date 11-15-56
Date	Indexed K. C. Johnson

F. B. 279 Pg. 97

COMPARISON SHEET

"B" LINE (B-1C TO B-1B)



DATE	TOTAL OFFSETS	DISTANCE	TOTAL SPREAD	PERIOD LINE	E. FIX PERIOD SPREAD
11-15-56	ON LINE	220.30	—	—	—
11-16-56	ON LINE	220.34	0.04	0.00	0.04
11-19-56	0.12	220.46	0.16	0.12	0.12
11-20-56	0.13	220.51	0.21	0.01	0.05
11-23-56	0.24	220.62	0.32	0.11	0.11
11-26-56	0.32	220.77	0.47	0.08	0.15
11-27-56	0.35	220.77	0.47	0.03	0.00
11-28-56	0.38	220.85	0.55	0.03	0.08
11-29-56	0.43	220.87	0.57	0.05	0.02
11-30-56	0.45	220.93	0.63	0.02	0.06
12-3-56	0.55	221.14	0.84	0.10	0.21
12-4-56	0.59	221.14	0.84	0.04	0.00
12-5-56	0.64	221.16	0.86	0.05	0.02
12-6-56	0.67	NOT MEA.	0.86	0.03	—
12-7-56	0.70	221.29	0.94	0.03	0.08
12-10-56	0.81	221.37	1.07	0.11	0.13
12-11-56	0.84	221.42	1.12	0.03	0.05
12-12-56	0.86	221.45	1.15	0.02	0.03
12-13-56	0.89	221.50	1.20	0.03	0.05
12-14-56	0.94	221.58	1.28	0.05	0.08
12-17-56	1.03	221.69	1.39	0.09	0.11
12-18-56	1.05	221.74	1.44	0.02	0.05
12-19-56	1.09	221.80	1.50	0.04	0.06
12-20-56	1.14	—	—	0.05	—
12-21-56	1.17	221.87	1.57	0.03	0.07
12-26-56	1.36	222.12	1.82	0.19	0.25
12-27-56	1.39	222.15	1.85	0.03	0.03
12-28-56	1.41	222.19	1.89	0.02	0.04
1-2-'57	1.58	222.43	2.12	0.17	0.23

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76F309S S&E #247. 8-54

F. B. 949 PG. 98

DATE	TOTAL OFFSETS	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
1-3-57	1.60	222.45	2.15	0.02	0.03
1-4-57	1.66	222.50	2.20	0.06	0.05
1-8-57	1.83	222.68	2.38	0.17	0.18
1-10-57	1.92	222.75	2.45	0.09	0.07
1-11-57	1.92	222.79	2.49	0.00	0.04
1-14-57	2.01	222.97	2.67	0.09	0.18
1-15-57	2.09	222.97	2.67	0.08	0.00
1-16-57	2.09	223.05	2.75	0.00	0.08
1-17-57	2.11	223.10	2.80	0.02	0.05
1-18-57	2.16	223.12	2.82	0.05	0.02
1-21-57	2.26	223.26	2.96	0.10	0.14
1-22-57	2.30	223.29	2.99	0.04	0.03
1-24-57	2.37	223.41	3.11	0.07	0.12
1-25-57	2.40	223.41	3.11	0.03	0.00
1-28-57	2.50	223.56	3.26	0.10	0.15
1-30-57	2.57	223.65	3.35	0.07	0.09
1-31-57	2.61	223.70	3.40	0.04	0.05
2-1-57	2.65	223.73	3.43	0.04	0.03
2-4-57	2.71	223.88	3.58	0.06	0.15
2-5-57	2.80	223.89	3.59	0.09	0.01
2-6-57	2.83	223.95	3.65	0.03	0.06
2-7-57	2.89	224.00	3.70	0.06	0.05
2-8-57	2.91	224.04	3.74	0.02	0.04
2-11-57	3.03	224.19	3.89	0.12	0.15
2-13-57	3.09	224.28	3.98	0.06	0.09
2-14-57	3.13	224.33	4.03	0.04	0.05
2-15-57	3.17	224.38	4.08	0.04	0.05
2-18-57	3.28	224.50	4.20	0.11	0.12
2-19-57	3.32	224.56	4.26	0.04	0.06
2-20-57	3.35	224.60	4.30	0.03	0.04
2-21-57	3.38	224.64	4.34	0.03	0.04
2-25-57	3.53	224.82	4.52	0.15	0.18
2-26-57	3.56	224.85	4.55	0.03	0.03
2-27-57	3.60	224.88	4.58	0.04	0.03
3-1-57	3.67	224.97	4.67	0.07	0.09
3-4-57	3.79	225.13	4.83	0.12	0.16

(CONT. ON PG.)

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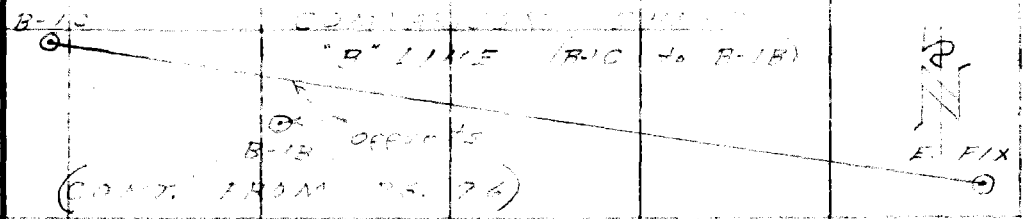
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. 8 30/100 Tape No. 93 St'd. 04 °F
Office Work	Surveyed by
Checked	Notes W. D. B. Date 2-'57
Date	Indexed A. C. Johnson

F. B. 7[illegible] PG. 99



(CONT. FROM PG. 96)

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-5-57	3.83	225.17	4.87	0.04	0.04
3-6-57	3.87	225.22	4.92	0.04	0.05
3-7-57	3.88	225.24	4.94	0.01	0.02
3-8-57	3.93	225.30	5.00	0.05	0.06
3-11-57	4.05	225.42	5.12	0.12	0.12
3-12-57	4.08	225.46	5.16	0.03	0.04
3-13-57	4.10	225.48	5.18	0.02	0.02
3-14-57	4.14	225.52	5.22	0.04	0.04
3-15-57	4.18	225.57	5.27	0.04	0.05
3-18-57	4.30	225.72	5.42	0.12	0.15
3-19-57	4.35	225.76	5.46	0.05	0.04
3-20-57	4.37	225.79	5.49	0.02	0.03
3-21-57	4.40	225.84	5.54	0.03	0.05
3-22-57	4.43	TOO WINDY		0.03	—
3-25-57	4.54	226.00	5.70	0.11	0.16
3-26-57	4.57	226.05	5.75	0.03	0.05
3-27-57	4.60	226.09	5.79	0.03	0.04
3-28-57	4.64	226.14	5.84	0.04	0.05
3-29-57	4.67	226.19	5.89	0.03	0.05
4-2-57	4.81	226.32	6.02	0.14	0.13
4-3-57	4.83	226.35	6.05	0.02	0.03
4-4-57	4.87	226.41	6.11	0.04	0.06
4-5-57	4.90	226.45	6.15	0.03	0.04
4-8-57	5.00	226.55	6.25	0.10	0.10
4-9-57	5.03	226.60	6.30	0.03	0.05
4-10-57	5.06	226.63	6.33	0.03	0.03
4-11-57	5.09	226.67	6.37	0.03	0.04
4-12-57	5.12	226.71	6.41	0.03	0.04
4-15-57	5.22	226.83	6.53	0.10	0.12

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76F309S S&E #247. 8-54

F. B. 949 PG. 100

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
4-16-57	5.24	226.8[illegible]	6.57	0.02	0.04
4-17-57	5.28	226.91	6.61	0.04	0.04
4-18-57	5.30	226.94	6.64	0.02	0.03
4-19-57	5.33	226.98	6.68	0.03	0.04
4-22-57	5.43	227.08	6.78	0.10	0.10
4-23-57	5.46	227.10	6.80	0.03	0.02
4-24-57	5.49	227.14	6.84	0.03	0.04
4-25-57	5.52	227.18	6.88	0.03	0.04
4-26-57	5.55	227.23	6.93	0.03	0.05
4-29-57	5.63	227.34	7.04	0.08	0.11
4-30-57	5.67	227.36	7.06	0.04	0.02
5-1-57	5.71	227.41	7.11	0.04	0.05
5-2-57	5.74	227.43	7.13	0.03	0.02
5-3-57	5.77	227.47	7.17	0.03	0.04
5-6-57	5.85	227.56	7.26	0.08	0.09
5-7-57	5.88	227.60	7.30	0.03	0.04
5-8-57	5.90	227.63	7.33	0.02	0.03
5-9-57	5.92	227.66	7.36	0.02	0.03
5-10-57	5.96	227.70	7.40	0.04	0.04
5-13-57	6.04	227.82	7.52	0.08	0.12
5-14-57	6.08	227.85	7.55	0.04	0.03
5-15-57	6.11	227.88	7.58	0.03	0.03
5-16-57	6.14	227.92	7.62	0.03	0.04
5-17-57	6.17	227.95	7.65	0.03	0.03
5-20-57	6.25	228.06	7.76	0.08	0.11
5-21-57	6.28	228.08	7.78	0.03	0.02
5-22-57	6.31	228.10	7.80	0.03	0.02
5-23-57	6.33	228.14	7.84	0.02	0.04
5-24-57	6.35	228.16	7.88	0.02	0.04
5-27-57	6.44	228.28	7.98	0.09	0.10
5-28-57	6.47	228.31	8.01	0.03	0.03
5-29-57	6.50	228.34	8.04	0.03	0.03
6-3-57	6.63	228.50	8.20	0.13	0.16
6-4-57	6.65	228.51	8.21	0.02	0.01
6-5-57	6.69	228.55	8.25	0.04	0.04
6-6-57	6.72	228.58	8.28	0.03	0.03
6-7-57	6.74	228.61	8.31	0.02	0.03

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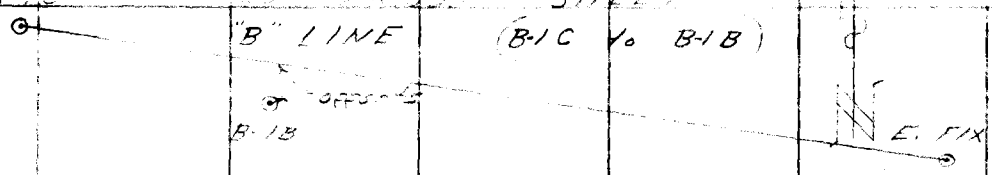
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301.00 Tape No. 21 St'd. [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes W. D. B. Date 6-[illegible]-57
Date	Indexed A. C. Johnson

F. B. [illegible] PG. 101

B-1C CONTAMINATION SHEET



DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
M 6-10-57	6.81	228.71	8.41	0.07	0.10
W 6-12-57	6.86	228.78	8.48	0.05	0.07
F 6-14-57	6.91	228.82	8.54	0.05	0.04
M 6-17-57	6.98	228.92	8.62	0.07	0.10
W 6-19-57	7.05	228.97	8.67	0.07	0.05
F 6-21-57	7.08	229.04	8.74	0.03	0.07
M 6-24-57	7.18	229.15	8.85	0.10	0.11
W 6-26-57	7.19	229.22	8.92	0.01	0.07
T 6-27-57	7.25	229.21	8.92	0.06	0.00

DISCONTINUED

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F. B. 919 PG. 102

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	LINE	PERIOD SPREAD

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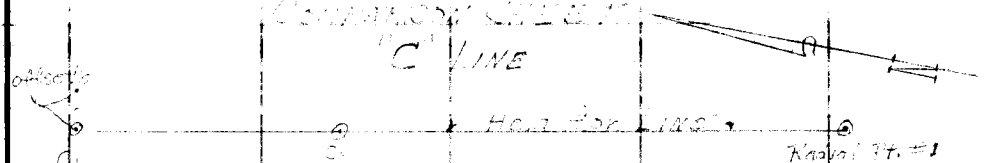
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes Wilks Date 10-56
Date	Indexed C. Johnson

F. B. 949 PG. 103

Comparison Sheet

"C" Line



Date	Total Spread	Distance	Total Spread	Period Date	Diff Spread
9-18-56	—	[illegible]	—	—	—
10-[illegible]-56	[illegible]	[illegible]	[illegible]	[illegible]	+0.07
10-15-56	0.48	223.45	1.22	0.06	+0.15
10-16-56	0.52	223.49	1.26	0.04	+0.04
10-17-56	0.54	223.56	1.33	0.02	0.07
10-18-56	Not Meas. Today				
10-22-56	[illegible]	[illegible]	1.49	[illegible]	0.16
10-24-56	0.70	223.78	1.55	0.03	+0.06
10-25-56		Not Meas. Today			
10-29-56	[illegible]	223.94	1.71	0.06	0.16
11-[illegible]-56	[illegible]	[illegible]	[illegible]	[illegible]	0.06
11-[illegible]-56	0.87	224.04	1.81	0.05	0.04
11-5-56	[illegible]	224.12	1.89	0.00	0.08
11-8-56	0.95	224.20	1.97	0.08	0.08

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F. B. 949 Pg. 104

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Notes Ck'd by	Survey of [illegible]
Map No.	JN [illegible] Tape [illegible] Std [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 56
Date	Indexed A. C. Johnson

F. B. [illegible] PG. 105

[illegible]

"D" LINE

[illegible]

D-1 OFFSETS

Date	[illegible]	[illegible]	Total [illegible]	[illegible]	Diff [illegible]
[illegible]		[illegible]			
10-[illegible]-56	0.00	187.61	1.48	0.00	0.05
10-15-56	0.00	187.85	1.7[illegible]	0.00	+0.24
10-16-56	0.00	187.93	1.80	0.00	+0.08
10-17-56	0.00	187.99	1.86	0.00	+0.06
10-18-56	0.00	188.05	1.92	0.00	+0.06
10-19-56	0.00	[illegible]	[illegible]	0.00	+0.04
10-22-56	0.00	[illegible]	[illegible]	0.00	0.24
10-23-56	0.00	188.37	2.24	0.00	+0.04
10-24-56	0.00	188.42	2.29	0.00	+0.05
10-25-56	0.00	188.[illegible]	2.37	0.00	+0.08
10-26-56	0.00	188.58	2.45	0.00	+0.08
10-29-56	0.00	188.77	2.64	0.00	0.19
10-30-56	0.00	188.86	2.73	0.00	0.09
10-31-56	0.00	[illegible]	[illegible]	0.00	0.06
11-1-56	0.00	[illegible]	2.87	0.00	0.08
11-2-56	0.00	189.04	2.91	0.00	0.04
11-5-56	0.00	189.[illegible]8	3.15	0.00	0.24
11-7-56	0.00	189.46	3.33	0.00	0.18
11-8-56	0.00	189.48	3.35	0.00	0.02
11-9-56	0.00	189.55	3.42	0.00	0.07
11-13-56	0.00	189.85	3.72	0.00	0.30
11-14-56	0.00	189.92	3.79	0.00	0.07
11-15-56	0.00	190.02	3.89	0.00	0.10
11-16-56	0.00	190.07	3.94	0.00	0.05
11-19-56	0.00	190.31	4.18	0.00	0.24
11-20-56	0.00	190.37	4.24	0.00	0.06
11-23-56	0.00	190.60	4.47	0.00	0.23
11-26-56	0.00	190.83	4.70	0.00	0.23
11-27-56	0.00	190.90	4.77	0.00	0.07

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76F309S S&E #247 1-56

F. B. 949 Pg. 106

DATE	TOTAL OFFSETS	DISTANCE	TOTAL SPREAD	PERIOD TIME	PERIOD SPREAD
11-28-56	0.00	191.00	4.87	0.00	0.10
11-29-56	0.00	191.08	4.95	0.00	0.08
11-30-56	0.00	191.16	5.03	0.00	0.08
12-3-56	0.00	191.43	5.30	0.00	0.27
12-4-56	0.00	191.48	5.35	0.00	0.05
12-5-56	0.00	191.74	5.61	0.00	0.26
12-6-56	0.00	191.77	5.64	0.00	0.03
12-7-56	0.00	191.80	5.67	0.00	0.03
12-10-56	0.00	192.10	5.97	0.00	0.30
12-11-56	0.03	192.12	5.99	0.03	0.02
12-12-56	0.03	192.15	6.02	0.00	0.03
12-13-56	0.05	192.24	6.11	0.02	0.09
12-14-56	0.05	192.32	6.19	0.00	0.08
12-17-56	0.05	192.58	6.45	0.00	0.26
12-18-56	0.07	192.65	6.52	0.02	0.07
12-19-56	0.09	192.74	6.61	0.02	0.09
12-20-56	0.13	192.84	6.71	0.04	0.10
12-21-56	0.15	192.89	6.76	0.02	0.05
12-26-56	0.16	193.32	7.19	0.01	0.43
12-27-56	0.16	193.40	7.27	0.00	0.08
12-28-56	0.16	193.48	7.35	0.00	0.08
1-2-57	0.19	193.90	7.77	0.03	0.42
1-3-57	0.20	193.98	7.85	0.01	0.08
1-4-57	0.22	194.07	7.94	0.02	0.09
1-8-57	0.24	194.44	8.31	0.02	0.37
1-10-57	0.28	194.58	8.45	0.04	0.14
1-11-57	0.32	194.66	8.53	0.04	0.08
1-13-57	0.32	194.85	8.72	0.00	0.19
1-14-57	0.32	194.94	8.83	0.00	0.11
1-15-57	0.32	194.97	8.86	0.00	0.02
1-16-57	0.32	195.06	8.93	0.00	0.08
1-17-57	0.32	195.12	8.99	0.00	0.06
1-18-57	0.32	195.26	9.13	0.00	0.14
1-21-57	0.32	195.53	9.40	0.00	0.27
1-22-57	0.32	195.59	9.46	0.00	0.06
1-23-57	0.32	195.69	9.56	0.00	0.10
1-25-57	0.35	195.84	9.71	0.03	0.15

(SEE NEXT PAGE)

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Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 230.00 Tape 93 Std 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes Richards Date 1-57
Date	Indexed E. C. Johnson

F. B. 943 Pg. 107

COMPARISON SHEET.

(CONT. FROM PG. 100) "D" LINE

HELD TO FOR LINE

OFFSETS

D-1 D-2 AXIAL #1

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
1-28-57	0.35	196.11	9.98	0.00	0.27
1-30-57	0.35	196.29	10.16	0.00	0.18
1-31-57	0.38	196.34	10.21	0.03	0.05
2-1-57	0.41	196.44	10.31	0.03	0.10
2-4-57	0.44	196.69	10.56	0.03	0.25
2-5-57	0.44	196.78	10.65	0.00	0.09
2-6-57	0.46	196.89	10.76	0.02	0.11
2-7-57	0.48	196.95	10.82	0.02	0.06
2-8-57	0.48	197.07	10.94	0.00	0.12
2-11-57	0.50	197.26	11.13	0.02	0.19
2-13-57	0.52	197.44	11.31	0.02	0.18
2-14-57	0.54	197.53	11.40	0.02	0.09
2-15-57	0.54	197.61	11.48	0.00	0.08
2-18-57	0.56	197.85	11.72	0.02	0.24
2-19-57	0.58	197.93	11.80	0.02	0.08
2-20-57	0.59	198.02	11.89	0.01	0.09
2-21-57	0.59	198.10	11.97	0.00	0.08
2-25-57	0.63	198.45	12.32	0.04	0.35
2-26-57	0.63	198.53	12.40	0.00	0.08
2-27-57	0.64	198.60	12.47	0.01	0.07
3-1-57	0.66	198.78	12.65	0.02	0.18
3-4-57	0.67	199.02	12.89	0.01	0.24
3-5-57	0.69	199.11	12.98	0.02	0.09
3-6-57	0.69	199.18	13.05	0.00	0.07
3-7-57	0.69	199.28	13.15	0.00	0.10
3-8-57	0.70	199.36	13.23	0.01	0.08
3-11-57	0.72	199.59	13.46	0.02	0.23
3-12-57	0.72	199.69	13.56	0.00	0.10
3-13-57	0.72	199.75	13.62	0.00	0.06

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76F309S SSE #247 1-56

F. B. 949 PG. 108

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-14-57	0.73	199.80	13.67	0.01	0.05
3-15-57	0.74	199.90	13.77	0.01	0.10
3-18-57	0.76	200.15	14.02	0.02	0.25
3-17-57	0.77	200.25	14.12	0.01	0.10
3-20-57	0.78	200.33	14.20	0.01	0.08
3-21-57	0.80	200.41	14.28	0.02	0.08
3-22-57	0.80	200.48	14.35	0.00	0.07
3-25-57	0.81	200.70	14.57	0.01	0.22
3-26-57	0.82	200.78	14.65	0.01	0.08
3-27-57	0.84	200.86	14.73	0.02	0.08
3-28-57	0.85	200.93	14.80	0.01	0.07
3-29-57	0.86	201.00	14.87	0.01	0.07
4-2-57	0.88	201.29	15.16	0.02	0.29
4-3-57	0.88	201.36	15.23	0.00	0.07
4-4-57	0.90	201.46	15.33	0.02	0.10
4-5-57	0.90	201.53	15.40	0.00	0.07
4-8-57	0.92	201.72	15.59	0.02	0.19
[illegible]	0.93	201.79	15.66	0.01	0.07
4-10-57	0.93	201.87	15.74	0.00	0.08
4-11-57	0.93	201.93	15.80	0.00	0.06
4-12-57	0.94	202.00	15.87	0.01	0.07
4-15-57	0.96	202.21	16.08	0.02	0.21
4-16-57	0.97	202.27	16.14	0.01	0.06
4-17-57	0.99	202.32	16.19	0.02	0.05
4-18-57	1.02	202.40	16.27	0.03	0.08
4-19-57	1.03	202.48	16.35	0.01	0.08
4-22-57	1.05	202.68	16.55	0.02	0.20
4-23-57	1.05	202.73	16.60	0.00	0.05
4-24-57	1.06	202.80	16.67	0.01	0.07
4-25-57	1.06	202.86	16.73	0.00	0.06
4-26-57	1.05	202.93	16.80	-0.01	0.07
4-29-57	1.06	203.11	16.98	0.01	0.18
4-30-57	1.06	203.16	17.03	0.00	0.05
5-1-57	1.07	203.22	17.09	0.01	0.06
5-2-57	1.08	203.30	17.17	0.01	0.08
5-3-57	1.08	203.37	17.24	0.00	0.07
5-6-57	1.10	203.56	17.43	0.02	0.19
5-7-57	1.11	203.61	17.48	0.01	0.05

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F.B. 949 PG. 109

Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 8301-00 Tape No. St'd. 84 °F
Office Work	Surveyed by W. D. BAX
Checked	Notes W. D. B. Date 5-57
Date	Indexed C. Johnson

COMPARISON SHEET
"D" LINE (D1 - D2)
(CONT. FROM PAGE)

D1 offsets — D2 — Held for line — Radial #1

DATE	TOTAL OFFSET	DISTANCE D1 - D2	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
W 5-8-57	1.11	203.68	17.55	0.00	0.07
T 5-9-57	1.12	203.75	17.62	0.01	0.07
F 5-10-57	1.12	203.80	17.67	0.00	0.05
M 5-13-57	1.14	203.98	17.85	0.02	0.18
T 5-14-57	1.15	204.04	17.91	0.01	0.06
W 5-15-57	1.15	204.11	17.98	0.00	0.07
T 5-16-57	1.15	204.17	18.04	0.00	0.06
F 5-17-57	1.17	204.23	18.10	0.02	0.06
M 5-20-57	1.19	204.42	18.29	0.02	0.19
T 5-21-57	1.21	204.47	18.34	0.02	0.05
W 5-22-57	1.22	204.53	18.40	0.01	0.06
T 5-23-57	1.23	204.58	18.45	0.01	0.05
F 5-24-57	1.24	204.63	18.50	0.01	0.05
M 5-27-57	1.26	204.80	18.67	0.02	0.17
T 5-28-57	1.26	204.85	18.72	0.00	0.05
W 5-29-57	1.26	204.91	18.78	0.00	0.06
M 6-3-57	1.26	205.19	19.06	0.00	0.28
T 6-4-57	1.27	205.23	19.10	0.01	0.04
W 6-5-57	1.27	205.29	19.16	0.00	0.06
T 6-6-57	1.28	205.36	19.23	0.01	0.07
F 6-7-57	1.29	205.42	19.29	0.01	0.06
M 6-10-57	1.29	205.58	19.45	0.00	0.16
W 6-12-57	1.31	205.69	19.56	0.02	0.11
F 6-14-57	1.32	205.79	19.66	0.01	0.10
M 6-17-57	1.32	205.95	19.82	0.00	0.16
W 6-19-57	1.32	206.04	19.91	0.00	0.09
F 6-21-57	1.34	206.18	20.05	0.02	0.14
M 6-24-57	1.37	206.39	20.26	0.03	0.21

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F. B. 949 PG. 110

DATE	TOTAL OFFSET	DISTANCE D1-D2	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
M 6-24-57	1.37	206.39	20.26	0.03	0.21
W 6-26-57	1.37	206.47	20.34	0.00	0.08
T 6-27-57	1.42	206.50	20.39	0.05	0.03
F 6-28-57	1.44	206.60	20.49	0.02	0.10
M 7-1-57	1.40	206.73	20.62	0.04	0.13
T 7-2-57	1.41	206.77	20.66	0.01	+0.04
7-3-57	1.38	206.77	20.66	0.03	0.00
7-8-57	1.39	207.03	20.92	0.01	0.26
7-9-57	1.40	207.11	21.00	0.01	0.08
7-10-57	1.45	207.14	21.03	0.05	0.03
7-11-57	1.45	207.19	21.08	0.05	0.00
7-12-57	1.45	207.23	21.12	0.00	0.04
7-15-57	1.45	207.41	21.30	0.00	0.14
7-16-57	1.45	207.47	21.36	0.00	0.06
7-17-57	1.45	207.54	21.43	0.00	0.07
7-18-57	1.45	207.57	21.46	0.00	+0.03
7-19-57	1.47	207.67	21.56	0.02	0.10
7-23-57	1.46	207.83	21.72	0.01	0.16
7-25-57	1.50	207.92	21.81	0.01	0.09
7-26-57	1.51	207.97	+21.86	+0.01	0.05
7-29-57	1.47	208.13	+22.02	-0.04	+0.16
7-30-57	1.50	208.19	22.08	+0.03	+0.06
7-31-57	1.50	208.23	22.12	0.00	+0.04
8-1-57	1.50	208.28	22.17	0.00	+0.05
8-2-57	1.52	208.35	22.24	0.00	+0.07
8-5-57	1.53	208.57	22.46	0.01	0.22
8-6-57	1.51	208.56	22.45	0.02	-0.01
8-8-57	1.52	208.66	22.55	+0.01	+0.10
8-9-57	1.53	208.71	22.60	0.01	+0.05
8-12-57	1.54	208.83	22.72	+0.01	+0.12
8-13-57	1.55	208.83	22.72	+0.01	0.00
8-15-57	1.54	208.97	22.86	-0.01	0.14
8-16-57	1.54	209.00	22.89	0.00	0.03
8-19-57	1.57	209.17	23.06	0.03	0.17
8-20-57	1.57	209.20	23.09	0.00	0.03
8-21-57	1.55	209.24	23.13	-0.02	0.04

Cont. to F.B. 950-9

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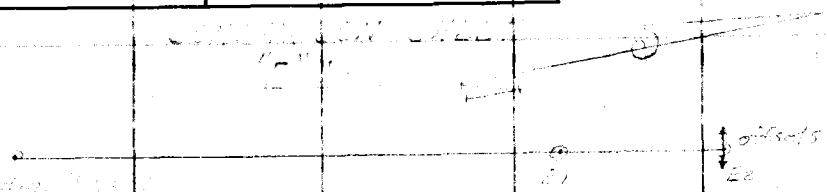
Notes Ck'd by	Survey of [illegible]
Map No.	JN [illegible] Tape 138 Std 84 °F
Office Work	Surveyed by
Checked	Notes [illegible] Date [illegible]-56
Date	Indexed K. C. Johnson

F. B. [illegible] PG. 111



[illegible]	[illegible]	[illegible]	[illegible]	Period [illegible]	Diff [illegible]
9-25-56		[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	0.10	+0.[illegible]
10-15-56	[illegible]	143.[illegible]	0.76	0.15	+0.24
10-16-56	0.41	143.70	0.78'	0.00	+0.02
10-17-56	0.44	143.73	0.81'	0.03	+0.03
10-18-56	Not	Meas. Today			
[illegible]	[illegible]	143.73	1.01	0.09	0.20
10-24-56	0.5[illegible]	144.[illegible]	1.12'	0.08	+0.11
[illegible]		[illegible]			
10-29-56	0.70	144.21	1.29	0.11	0.17
[illegible]	0.75	144.[illegible]	1.44	0.05	[illegible]
11-2-56	0.79	144.41	1.49	0.04	0.05
11-5-56	0.86	144.50	1.58	0.07	0.09
11-8-56	0.92	144.64	1.72	0.06	0.14
11-9-56		Not meas. Today			
11-13-56	1.05	144.90	1.98	0.13	0.26

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1-56

F. B. 949 PG. 112

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Notes Ck'd by	Survey of [illegible]
Map No.	JN C30100 Tape [illegible] Std [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes Date [illegible]-56
Date	Indexed C. Johnson

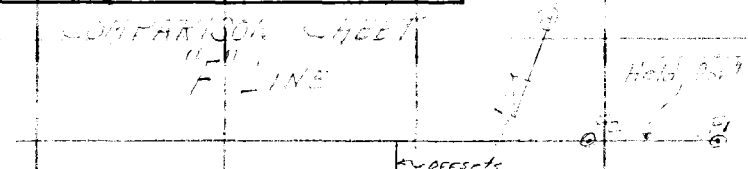
F. B. [illegible] PG. 113

COMPARISON SHEET
"F" LINE

Held [illegible]

offsets

F-3



Date	Total Offset	[illegible]	[illegible]	[illegible]	Diff [illegible]
[illegible]					
[illegible]	[illegible]	[illegible]	0.80	0.38	0.14
10-15-56	[illegible]	[illegible]	[illegible]	0.35	0.16
10-16-56	1.31	154.37	0.53	0.06	+0.07
10-17-56	1.35	154.37	0.53	0.04	0.00
10-18-56	Not Meas. Today				
10-[illegible]-56	[illegible]	154.51	0.67	0.30	0.14
10-[illegible]-56	[illegible]	154.53	0.74	0.20	+0.07
[illegible]	[illegible]	[illegible]			
10-[illegible]-56	2.15	[illegible]	0.85	0.30	0.11
11-[illegible]-56	[illegible]	[illegible]	[illegible]	[illegible]	0.11
[illegible]-56	2.42	154.83	0.99	0.04	0.03
11-5-56	[illegible]	154.92	1.08	[illegible]	0.09
11-8-56	2.83	155.00	1.16	0.20	0.08
11-13-56	3.15	155.18	1.34	0.32	0.18
11-26-56	4.20	155.59	1.75	1.05	0.41
12-3-56	4.73	155.86	2.02	0.53	0.27
12-10-56	5.28	156.10	2.26	0.55	0.24
12-17-56	5.87	156.36	2.52	0.59	0.26
12-26-56	6.62	156.70	2.86	0.75	0.34
1-2-57	7.20	156.93	3.09	0.58	0.23
1-8-57	7.70	157.16	3.32	0.50	0.23
1-14-57	8.21	157.40	3.56	0.51	0.24
1-21-57	8.78	157.67	3.83	0.57	0.27
1-28-57	9.34	157.92	4.08	0.56	0.25
2-4-57	9.94	158.20	4.36	0.60	0.28
2-11-57	10.54	158.46	4.62	0.60	0.26
2-18-57	11.13	158.75	4.91	0.59	0.29

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76F309S S&E #247 1-56

F. B. 949 PG. 114

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
2-25-57	11.73	158.99	5.15	0.60	0.24
3-4-57	12.28	159.26	5.42	0.55	0.27
3-11-57	12.84	159.53	5.67	0.56	0.27
3-18-57	13.40	159.78	5.94	0.56	0.25
3-25-57	13.95	160.03	6.19	0.55	0.25
4-2-57	14.57	160.33	6.49	0.62	0.30
4-8-57	14.97	160.50	6.66	0.40	0.17
4-15-57	15.39	160.75	6.91	0.42	0.25
4-22-57	15.85	160.94	7.10	0.46	0.19
4-29-57	16.30	161.16	7.32	0.45	0.22
5-6-57	16.74	161.38	7.54	0.44	0.22
5-13-57	17.16	161.58	7.74	0.42	0.20
5-20-57	17.57	161.78	7.94	0.41	0.20
5-27-57	17.97	161.99	8.15	0.40	0.21
6-3-57	18.39	162.17	8.33	0.42	0.18
6-10-57	18.73	162.34	8.50	0.34	0.17
6-17-57	19.10	162.54	8.70	[illegible]	0.20
6-25-57	19.55	162.73	8.89	0.45	0.19

DISCONTINUED

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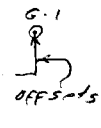
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of
Map No.	JN Tape Std °F
Office Work	Surveyed by
Checked	Notes Date 56
Date	Indexed C. Johnson

F. B. 949 PG. 115

COMPARISON SHEET
"G" LINE



	offset				
[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	2.10	[illegible]	[illegible]
10-15-56	[illegible]	[illegible]	0.91	[illegible]	0.31
10-16-56	0.77	255.67	0.93	0.07	0.02
10-17-56	0.78	255.71	0.97	0.01	0.04
		Not Meas. Today			
10-22-56	1.02	255.77	1.13	0.24	0.26
10-24-56	1.34	256.06	1.34	0.32	0.11
[illegible]		Not Meas. Today			
10-29-56	1.53	256.52	1.58	0.29	0.24
11-1-56	1.80	256.48	1.74	0.17	0.16
11-2-56	1.84	256.50	1.76	0.04	0.02
11-5-56	1.98	256.67	1.93	0.14	0.17
11-8-56	2.15	256.79	2.05	0.17	0.12
11-13-56	2.47	257.11	2.37	0.32	0.32
11-26-56	3.15	257.82	3.08	0.68	0.71
12-3-56	3.59	258.25	3.51	0.44	0.43
12-10-56	4.00	258.73	3.99	0.41	0.48
12-17-56	4.38	259.11	4.37	0.38	0.38
12-26-56	5.02	259.68	4.94	0.64	0.57
1-2-57	5.42	260.10	5.36	0.40	0.42
1-8-57	5.75	260.45	5.71	0.33	0.35
1-14-57	6.29	260.80	6.06	0.59	0.35
1-21-57	6.62	261.26	6.52	0.33	0.46
1-28-57	6.98	261.26	6.92	0.36	0.40
2-4-57	7.43	262.14	7.40	0.45	0.48
2-11-57	7.90	262.58	7.84	0.47	0.44
2-18-57	8.30	263.05	8.31	0.40	0.47
2-25-57	8.73	263.48	8.74	0.43	0.43

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76F3098 S&E #247 1-56

F. B. 949 PG. 116

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-4-57	9.16	263.90	9.16	0.43	0.42
3-11-57	9.60	264.33	9.58	0.44	0.43
3-18-57	10.00	264.75	10.01	0.40	0.42
3-25-57	10.41	265.16	10.42	0.41	0.41
4-2-57	10.83	265.62	10.88	0.42	0.46
4-8-57	11.10	265.89	11.15	0.27	0.27
4-15-57	11.38	266.27	11.53	0.28	0.38
4-22-57	11.83	266.62	11.88	0.45	0.35
4-29-57	12.15	266.96	12.22	0.32	0.34
5-6-57	12.46	267.30	12.56	0.31	0.34
5-13-57	12.78	267.61	12.87	0.32	0.31
5-20-57	13.08	267.94	13.20	0.30	0.33
5-27-57	13.39	268.24	13.50	0.31	0.30
6-3-57	13.68	268.56	13.82	0.29	0.32
6-10-57	13.94	268.84	14.10	0.26	0.28
6-17-57	14.20	269.13	14.39	0.26	0.29
6-25-57	14.50	269.49	14.75	0.30	0.36

DISCONTINUED

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

Notes Ck'd by	Survey of [illegible]
Map No.	JN [illegible] Tape 138 Std [illegible] °F
Office Work	Surveyed by
Checked	Notes Date [illegible] 56
Date	Indexed A. C. Johnson

F. B. [illegible] PG. 117

Date	Total offset	[illegible]	Total [illegible]	[illegible]	[illegible]
[illegible]		[illegible]			
[illegible]	[illegible]		[illegible]	0.00	0.13
10-15-56	0.05	170.17	0.33	0.02	+0.06
10-16-56	H3 0.05 H4 0.05	170.22	0.38	0.00	+0.05
10-17-56	H3 0.06 H4 0.06	170.24	0.40	0.01	0.02
		Not Meas. Today			
10-23-56	H3 0.06 H4 0.06	170.26	0.42	H3 0.00 H4 0.00	+0.02
[illegible]		Not Meas. Today			
10-29-56	H3 0.08 H4 0.10	170.29	0.45	H3 0.02 H4 0.04	+0.03
11-1-56	H3 H4 0.10	[illegible]	0.45	H3 0.00 H4 0.00	
11-2-56		Not Meas. Today			
11-5-56	0.11	170.35	0.51	0.01	0.06
11-6-56	0.11	170.38	0.54	0.00	0.03
11-13-56	0.11	170.42	0.58	0.00	0.04
12-27-56	0.18	170.57	0.73	0.07	0.15

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76F309S S&E #247 1-56

F. B. 949 PG. 118

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD

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

Notes Ck'd by	Survey of [illegible]
Map No.	JN [illegible] Tape [illegible] Std [illegible] °F
Office Work	Surveyed by
Checked	Notes [illegible] Date [illegible]56
Date	Indexed K. C. Johnson

F. B. 947 PG. 119

10-15-56	[illegible]	134.01	[illegible]	0.09	+0.06
10-16-56	0.15	134.05	0.24	0.05	+0.04
10-17-56	0.12	134.09	0.28	0.03	0.04
		Not Meas. Today			
10-23-56	0.20	134.10	+0.29	0.08	+0.01
10-22-56	0.21	[illegible]	[illegible]	0.01	+0.01
[illegible]		Not Meas. Today			
[illegible]	0.27	134.15	+0.34	0.06	+0.04
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.03
11-2-56		Not Meas.			
[illegible]-5-56	[illegible]	[illegible]	[illegible]	[illegible]	0.05
11-8-56	0.33	134.27	0.46	0.00	0.04
11-14-56	0.35	134.34	0.53	0.02	0.07
12-20-'56	0.61	134.72	0.91	0.26	0.38

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76F309S S&E #247 1-56

F. B. 949 PG. 120

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Notes Ck'd by	Survey of [illegible]
Map No.	JN [illegible] Tape 125 Std [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]-56
Date	Indexed C. Johnson

F. B. [illegible] PG. 121

COMPARISON SHEET

"J" LINE ($J_1 - J_2$)

Blaksely offsets J_1 J_2 offsets SHIELDS

N

Date	Total offset	Distance	Total spread	Period line	Diff spread
[illegible]	—	123.5[illegible]	—	—	—
10-9-56	J_1 = 0.60 J_2 = 0.69	[illegible]	[illegible]	[illegible]	-0.04
10-18-56	J_1 = 1.04 J_2 = 1.16	123.51	-0.01	J_1 = 0.44 J_2 = 0.47	+0.02
[illegible]	[illegible]	[illegible]	[illegible]		

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

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76F309S S&E #247 1-56

F. B. 949 PG. 122

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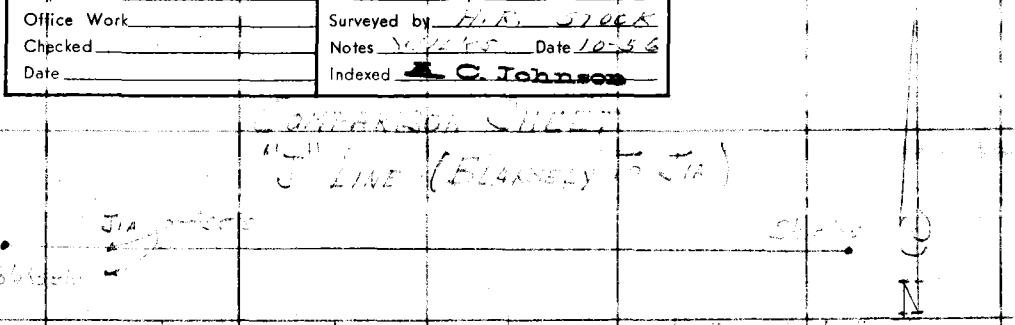
Notes Ck'd by	Survey of GEODETIC CONTROL	F. B. 949 PG. 123
Map No.	JN 0301.00 Tape 138 Std 84 °F	
Office Work	Surveyed by H. R. STOCK	
Checked	Notes [illegible] Date 10-56	
Date	Indexed C. Johnson	



[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	188.[illegible]	[illegible]	[illegible]	-0.03
[illegible]	[illegible]	[illegible]	[illegible]	0.05	0.00
10-15-56	[illegible]	[illegible]	[illegible]	0.05	0.00
10-16-56	0.37	188.71	-0.10	0.05	0.00
10-17-56	0.43	188.79	-0.02	0.06	0.08
10-18-56	0.45	188.77	-0.04	0.02	-0.02
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-23-56	0.50	188.72	-0.09	0.10	+0.01
10-24-56	0.47	188.78	-0.03	-0.03	+0.06
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-26-56	0.57	188.74	0.07	0.06	0.00
10-[illegible]-56	[illegible]	[illegible]	[illegible]	[illegible]	-0.04
10-30-56	[illegible]	[illegible]	[illegible]	0.03	0.00
10-31-56	0.65	188.70	-0.11	0.05	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11-[illegible]-56	0.67	188.74	-0.07	0.00	+0.04
11-5-56	0.72	188.68	-0.13	0.05	-0.06
11-7-56	[illegible]	188.68	-0.13	0.06	0.00
11-8-56	0.78	188.71	-0.10	0.00	+0.03
11-9-56	0.80	188.71	-0.10	0.02	0.00
11-13-56	0.94	188.74	-0.07	0.14	+0.03
11-14-56	0.94	188.74	-0.07	0.00	0.00
11-15-56	0.97	—	—	0.03	—
11-16-56	0.97	188.69	-0.12	0.00	0.05
11-19-56	1.03	188.69	-0.12	0.06	0.00
11-20-56	1.06	188.69	-0.12	0.03	0.00
11-23-56	1.17	188.69	-0.12	0.11	0.00
11-26-56	1.20	188.69	-0.12	0.03	0.00
11-27-56	1.25	188.67	-0.12	0.05	0.00

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76F309S S&E #247 1-56

F. B. 949 PG. 124

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
11-28-56	1.25	188.67	-0.14	0.00	0.02
11-29-56	1.27	188.67	0.14	0.02	0.00
11-30-56	1.32	188.67	-0.14	0.05	0.00
12-3-56	1.40	188.67	-0.14	0.08	0.00
12-4-56	1.40	188.67	-0.14	0.00	0.00
12-5-56	1.43	188.67	-0.14	0.03	0.00
12-6-56	1.49	188.67	-0.14	0.06	0.00
12-7-56	1.52	188.67	-0.14	0.03	0.00
12-10-56	1.56	188.67	-0.14	0.04	0.00
12-11-56	1.60	188.67	-0.14	0.04	0.00
12-12-56	1.60	188.67	-0.14	0.00	0.00
12-13-56	1.62	188.67	-0.14	0.02	0.00
12-14-56	1.65	188.67	-0.14	0.03	0.00
12-17-56	1.70	188.63	-0.18	0.05	0.04
12-18-56	1.72	188.63	-0.18	0.02	0.00
12-19-56	1.72	188.63	-0.18	0.00	0.00
12-20-56	1.80	—	—	0.08	—
[illegible]	1.84	188.63	-0.18	0.04	0.00
12-26-56	1.95	188.66	-0.15	0.11	+0.03
12-27-56	2.00	188.63	-0.18	0.05	-0.03
12-28-56	2.00	188.63	-0.18	0.00	0.00
1-2-57	2.15	188.63	-0.18	0.15	0.00
1-3-57	2.15	188.63	-0.18	0.00	0.00
1-4-57	2.17	188.63	-0.18	0.02	0.00
1-8-57	2.30	188.63	-0.18	0.13	0.00
1-10-57	2.33	188.63	-0.18	0.03	0.00
1-11-57	2.34	188.63	-0.18	0.01	0.00
1-14-57	2.40	188.61	-0.20	0.06	-0.02
1-15-57	2.43	188.61	-0.20	0.03	0.00
1-16-57	2.46	188.61	-0.20	0.03	0.00
1-17-57	2.46	188.61	-0.20	0.00	0.00
1-18-57	2.51	188.61	-0.20	0.05	0.00
1-21-57	2.55	188.61	-0.20	0.04	0.00
1-22-57	2.58	188.61	-0.20	0.03	0.00
1-24-57	2.64	188.61	-0.20	0.06	0.00
1-25-57	2.66	188.61	-0.20	0.02	0.00
1-28-57	2.80	188.57	-0.22	0.14	-0.02

(SEE NEXT PAGE)

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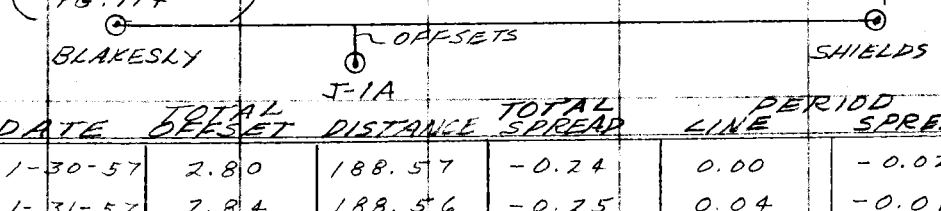
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 93 Std 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes Richards Date 1-57
Date	Indexed K. C. Johnson

F. B. 949 PG. 125

COMPARISON SHEET
J LINE (BLAKESLY TO J-1A)

(CONT. FROM PG. 114)



DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
1-30-57	2.80	188.57	-0.24	0.00	-0.02
1-31-57	2.84	188.56	-0.25	0.04	-0.01
2-1-57	2.86	188.56	-0.25	0.02	0.00
2-4-57	2.91	188.60	-0.21	0.05	+0.04
2-5-57	2.93	188.60	-0.21	0.02	0.00
2-6-57	2.94	188.57	-0.24	0.01	-0.03
2-8-57	3.02	188.56	-0.25	0.08	-0.01
2-11-57	3.06	188.53	-0.28	0.04	-0.03
2-13-57	3.16	188.53	-0.28	0.10	0.00
2-14-57	3.16	188.59	-0.22	0.00	0.06
2-15-57	3.19	188.59	-0.22	0.03	0.00
2-18-57	3.23	188.59	-0.22	0.04	0.00
2-19-57	3.27	188.59	-0.22	0.04	0.00
2-20-57	3.28	188.57	-0.24	0.01	-0.02
2-21-57	3.29	188.57	-0.24	0.01	0.00
2-25-57	3.39	188.57	-0.24	0.10	0.00
2-26-57	3.40	188.57	-0.24	0.01	0.00
2-27-57	3.42	188.54	-0.27	0.02	-0.03
3-1-57	3.47	188.54	-0.27	0.05	0.00
3-4-57	3.50	188.54	-0.27	0.03	0.00
3-5-57	3.53	188.54	-0.27	0.03	0.00
3-6-57	3.55	188.54	-0.27	0.02	0.00
3-7-57	3.55	188.54	-0.27	0.00	0.00
3-8-57	3.59	188.54	-0.27	0.04	0.00
3-11-57	3.65	188.54	-0.27	0.06	0.00
3-12-57	3.68	188.54	-0.27	0.03	0.00
3-13-57	3.70	188.54	-0.27	0.02	0.00
3-14-57	3.72	188.52	-0.29	0.02	-0.02
3-15-57	3.73	188.52	-0.29	0.01	0.00

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76F309S S&E #247 1-56

F. B. 947 PG. 126

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-18-57	3.80	188.50	-0.31	0.07	-0.02
3-19-57	3.82	188.50	-0.31	0.02	-0.00
3-20-57	3.85	188.52	-0.29	0.03	+0.02
3-21-57	3.87	188.52	-0.29	0.02	0.00
3-22-57	3.89	Too	WINDY	0.02	—
3-25-57	3.95	188.50	-0.31	0.06	-0.02
3-26-57	3.97	188.50	-0.31	0.02	0.00
3-28-57	4.01	188.50	-0.31	0.04	0.00
3-29-57	4.02	188.50	-0.31	0.01	0.00
4-2-57	4.08	188.48	-0.33	0.06	-0.02
4-3-57	4.10	188.48	-0.33	0.02	0.00
4-4-57	4.12	188.48	-0.33	0.02	0.00
4-5-57	4.14	188.48	-0.33	0.02	0.00
4-8-57	4.20	188.48	-0.33	0.06	0.00
4-9-57	4.21	188.47	-0.34	0.01	-0.01
4-10-57	4.22	188.47	-0.34	0.01	0.00
4-11-57	4.24	188.47	-0.34	0.02	0.00
4-12-57	4.26	188.47	-0.34	0.02	0.00
4-15-57	4.31	188.47	-0.34	0.05	0.00
4-16-57	4.33	188.47	-0.34	0.02	0.00
4-17-57	4.35	188.49	-0.32	0.02	0.02
4-18-57	4.38	188.47	-0.32	0.03	0.00
4-19-57	4.39	188.51	-0.30	0.01	0.02
4-22-57	4.44	188.48	-0.33	0.05	-0.03
4-23-57	4.46	188.47	-0.34	0.02	-0.01
4-24-57	4.47	188.47	-0.34	0.01	0.00
4-25-57	4.48	188.47	-0.34	0.01	0.00
4-26-57	4.50	188.47	-0.34	0.02	0.00
4-29-57	4.53	188.47	-0.34	0.03	0.00
4-30-57	4.55	188.47	-0.34	0.02	0.00
5-1-57	4.57	188.45	-0.36	0.02	-0.02
5-2-57	4.60	188.45	-0.36	0.03	0.00
5-3-57	4.61	188.45	-0.36	0.01	0.00
5-6-57	4.66	188.45	-0.36	0.05	0.00
5-7-57	4.68	188.45	-0.36	0.02	0.00
5-8-57	4.68	188.47	-0.34	0.00	0.02
5-9-57	4.70	188.47	-0.34	0.02	0.00
5-13-57	4.76	188.48	-0.33	0.06	0.01

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Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301-00 Tape No. St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 5-57
Date	Indexed C. Johnson

F. B. 747 PG. 127

COMPARISON SHEET

"J" LINE (BLAKESLEY - J1A)

(CONT. FROM PG.)

Blakesley — Shields

J1A — offsets

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	LINE	PERIOD SPREAD
5-15-57	4.80	188.48	-0.33	0.04	0.00
5-17-57	4.82	188.46	-0.35	0.02	-0.02
5-20-57	4.86	188.46	-0.35	0.04	0.00
5-22-57	4.89	188.46	-0.35	0.03	0.00
5-24-57	4.91	188.46	-0.35	0.02	0.00
5-27-57	4.95	188.46	-0.35	0.04	0.00
5-29-57	4.97	188.44	-0.37	0.02	-0.02
6-3-57	5.06	188.44	-0.37	0.09	0.00
6-5-57	5.07	188.44	-0.37	0.01	0.00
6-7-57	5.09	188.43	-0.38	0.02	-0.01
6-10-57	5.13	188.42	-0.39	0.04	-0.01
6-12-57	5.16	188.42	-0.39	0.03	0.00
6-14-57	5.17	188.44	-0.37	0.01	0.02
6-17-57	5.22	188.44	-0.37	0.05	0.00
6-19-57	5.24	188.44	-0.37	0.02	0.00
6-21-57	5.25	188.44	-0.37	0.01	0.00
M 6-24-57	5.32	188.45	-0.38	0.07	+0.01
W 6-26-57	5.32	188.41	-0.40	0.00	-0.04
F 6-28-57	5.38	188.44	-0.37	0.06	+0.03
M 7-1-57	5.40	188.44	-0.37	0.02	0.00
T 7-2-57	5.40	188.42	-0.39	0.00	-0.02
W 7-3-57	5.43	188.42	-0.39	0.03	0.00
M 7-8-57	5.51	188.42	-0.39	0.08	0.00
T 7-9-57	5.51	188.42	-0.39	0.00	0.00
7-10-57	5.52	188.40	-0.41	0.01	-0.02
7-11-57	5.52	188.42	-0.39	0.00	+0.02
7-12-57	5.52	188.42	-0.39	0.00	0.00
7-15-57	5.55	188.42	-0.39	0.03	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 notes this side of this line.

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

76F309S S&E #247. 8-54

F. B. 949 PG. 128

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
7-16-57	5.57	188.42	-0.39	0.02	0.00
7-17-57	5.61	188.40	-0.41	0.04	-0.02
7-18-57	5.61	188.40	-0.41	0.00	0.00
7-19-57	5.62	188.40	-0.41	0.01	0.00
7-23-57	5.63	188.41	-0.40	0.01	+0.01
7-25-57	5.67	188.39	-0.42	0.04	-0.02
7-26-57	5.67	188.40	-0.41	0.00	+0.01
7-29-57	5.70	188.39	-0.42	0.03	-0.01
7-30-57	5.75	188.40	-0.41	0.05	+0.01
7-31-57	5.73	181.41	-0.40	-0.02	-0.01
8-1-57	5.75	188.41	-0.40	+0.02	0.00
8-2-57	5.77	188.41	-0.40	+0.02	0.00
8-5-57	5.79	188.40	-0.41	0.02	0.01
8-6-57	5.81	188.40	-0.41	0.02	0.00
8-8-57	5.81	188.40	-0.41	0.00	0.00
8-9-57	5.82	188.40	-0.41	0.01	0.00
8-12-57	5.88	188.39	-0.42	0.06	-0.01
8-14-57	5.90	188.39	-0.42	0.02	0.00
8-15-57	5.92	188.39	-0.42	0.02	0.00
8-16-57	5.92	188.39	-0.42	0.00	0.00
8-19-57	5.96	188.37	-0.44	0.04	-0.02
8-20-57	5.96	188.38	-0.43	0.00	+0.01
8-21-57	5.96	188.37	-0.44	0.00	-0.01

Cont to F.B. 950-11

RETURN TO
LOS ANGELES COUNTY SURVEYOR
724 LOS ANGELES COUNTY
ENGINEERING BLDG.
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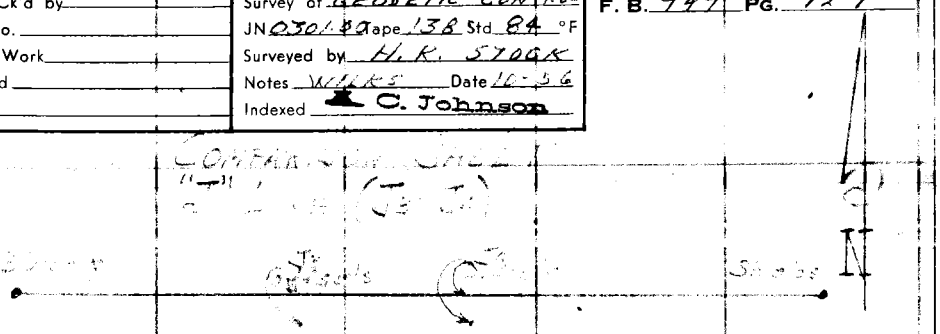
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301-89 Tape 13B Std 84 °F
Office Work	Surveyed by H. K. STOCK
Checked	Notes WILKES Date 10-56
Date	Indexed C. Johnson

F. B. 947 PG. 129



Date	Total Stadia		Elevation	Mean Correction	Forward Line	Diff. Elevation
			242.12		J3 0.04	
10-15-56			[illegible]	-0.[illegible]	J4 0.06	-0.02
[illegible]			[illegible]		J3 [illegible]	
					J4 [illegible]	[illegible]
10-16-56	J-3	1.12	242.45	-0.24	J3 0.04	-0.00
	J-4	1.25			J4 0.06	
10-17-56	J-3	1.26	242.41	-0.31	J3 0.12	-0.07
	J-4	1.26			J4 0.10	
10-18-56	J-3	1.26			J-3-0.17	
	J-4	1.26	242.41	-0.31	J-4 0.00	0.00
10-19-56	J-3	1.29			J3 0.03	
	J-4	[illegible]	[illegible]	-0.31	J4 0.00	0.00
10-23-56	J-3	1.54	242.35	-0.37	J3 0.25	-0.06
	J-4	1.76			J4 0.30	
10-24-56	J-3	1.51	242.31	-0.41	J-3 -0.03	-0.04
	J-4	1.74			J4 -0.02	
10-25-56	J-3	1.59	[illegible]	[illegible]	J3 0.33	-0.05
	J-4	1.50			J4 0.26	
10-26-56	J-3	1.70	242.34	-0.38	J-3 0.11	+0.05
	J-4	1.91			J-4 0.11	
10-29-56	J-3	1.82	[illegible]	-0.47	J3 0.12	-0.11
	J-4	[illegible]			J4 0.35	
	J3	1.89			J3 0.07	
10-30-56	J4	1.15	242.23		J4 -0.11	0.00
	J3	[illegible]			J3 0.[illegible]	
10-31-56	J4	[illegible]	[illegible]	-0.52	J4 0.10	-0.03

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

76F3095 S&E #247 1-56

F. B. 949 PG. 130

Date	Data	Total	Total Subsid.	Period	Subsid.
11-1-56	J3 [illegible] J4 [illegible]	[illegible]	-0.52	J3 0.0 J4 0.0	0.00
11-2-56	J3 2.04 J4 2.30	242.20	-0.52	J3 0.00 J4 0.00	0.00
11-5-56	J3 2.26 J4 2.52	242.14	-0.58	J3 0.21 J4 0.22	-0.06
11-7-56	J3 2.30 J4 2.54	242.20	-0.52	J3 0.11 J4 0.12	+0.06
11-8-56	J3 2.38 J4 2.67	242.14	-0.58	J3 0.02 J4 0.03	-0.06
11-9-56	J3 2.40 J4 2.70	242.08	-0.64	J3 0.02 J4 0.03	-0.06
11-13-56	J-3 2.68 J-4 3.01	242.04	-0.68	J-3 0.28 J-4 0.31	-0.04
11-14-56	J-3 2.72 J-4 3.03	242.02	-0.70	J-3 0.04 J-4 0.02	-0.02
11-15-56	J-3 2.80 J-4 3.10	—	—	J-3 0.08 J-4 0.07	—
11-16-56	J-3 2.86 J-4 3.19	241.95	-0.77	J-3 0.06 J-4 0.09	-0.07
11-19-56	J-3 3.02 J-4 3.37	241.95	-0.77	J-3 0.16 J-4 0.18	0.00
11-20-56	J-3 3.08 J-4 3.42	241.95	-0.77	J-3 0.06 J-4 0.05	0.00
11-23-56	J-3 3.28 J-4 3.65	241.85	-0.87	J-3 0.20 J-4 0.23	-0.10
11-26-56	J-3 3.45 J-4 3.81	241.77	-0.95	J-3 0.17 J-4 0.16	-0.08
11-27-56	J-3 3.52 J-4 3.91	241.77	0.95	J-3 0.07 J-4 0.10	0.00
11-28-56	J-3 3.56 J-4 3.96	241.77	-0.95	J-3 0.04 J-4 0.05	0.00
11-29-56	J-3 3.62 J-4 3.99	241.74	-0.98	J-3 0.06 J-4 0.03	0.03
11-30-56	J-3 3.70 J-4 4.12	241.72	-1.00	J-3 0.08 J-4 0.13	0.02
12-3-56	J-3 3.86 J-4 4.25	241.69	-1.03	J-3 0.16 J-4 0.13	0.03
12-4-56	J-3 3.96 J-4 4.37	241.69	-1.03	J-3 0.10 J-4 0.12	0.00
12-5-56	J-3 4.06 J-4 4.48	241.67	-1.05	J-3 0.10 J-4 0.11	0.02
12-6-56	J-3 4.10 J-4 4.54	241.65	-1.07	J-3 0.04 J-4 0.06	0.02
12-7-56	J-3 4.15 J-4 4.59	241.65	-1.07	J-3 0.05 J-4 0.05	0.00

(SEE NEXT PAGE)

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 8301.09 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes RICHARDS Date 12-7-56
Date	Indexed A. C. Johnson

F. B. 922 PG. 131

(CONT. FROM PG. 120)

BLAKESLY — SHIELDS

OFFSET J-3 — OFFSET J-4

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
9-20-56	—	242.72	—	—	—
12-10-56	J-3 4.32 J-4 4.75	241.56	-1.16	J-3 0.17 J-4 0.16	-0.09
12-11-56	J-3 4.42 J-4 4.85	241.56	-1.16	J-3 0.10 J-4 0.10	0.00
12-12-56	J-3 4.49 J-4 4.95	241.56	-1.16	J-3 0.07 J-4 0.10	0.00
12-13-56	J-3 4.55 J-4 5.00	241.54	-1.18	J-3 0.06 J-4 0.05	-0.02
12-14-56	J-3 4.59 J-4 5.05	241.52	-1.20	J-3 0.04 J-4 0.05	-0.02
12-17-56	J-3 4.81 J-4 5.24	241.50	-1.22	J-3 0.22 J-4 0.19	-0.02
12-18-56	J-3 4.84 J-4 5.32	241.47	-1.25	J-3 0.03 J-4 0.08	-0.03
12-19-56	J-3 4.94 J-4 5.43	241.45	-1.27	J-3 0.10 J-4 0.11	-0.02
12-21-56	J-3 5.01 J-4 5.49	241.39	-1.33	J-3 0.07 J-4 0.06	-0.06
12-26-56	J-3 5.36 J-4 5.84	241.36	-1.36	J-3 0.35 J-4 0.35	-0.03
12-27-56	J-3 5.40 J-4 5.90	241.35	-1.37	J-3 0.04 J-4 0.06	-0.01
12-28-56	J-3 5.48 J-4 5.99	241.32	-1.40	J-3 0.08 J-4 0.09	-0.03
1-2-57	J-3 5.82 J-4 6.35	241.28	-1.44	J-3 0.34 J-4 0.36	-0.04
1-3-57	J-3 5.85 J-4 6.38	241.26	-1.46	J-3 0.03 J-4 0.03	-0.02
1-4-57	J-3 5.98 J-4 6.51	241.25	-1.47	J-3 0.13 J-4 0.13	-0.01
1-8-57	J-3 6.23 J-4 6.78	241.20	-1.52	J-3 0.25 J-4 0.27	-0.05
1-10-57	J-3 6.29 J-4 6.88	241.16	-1.56	J-3 0.06 J-4 0.10	-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.

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

76F309S S&E #247. 8-54

F. B. 999 PG. 132

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
1-11-57	J3 6.38 J4 6.94	241.13	-1.59	J3 0.09 J4 0.06	-0.03
1-13-57	J3 6.49 J4 7.18	241.08	-1.64	J3 0.11 J4 0.24	-0.05
1-14-57	J3 6.54 J4 7.23	241.05	-1.67	J3 0.05 J4 0.05	-0.03
1-15-57	J3 6.62 J4 7.29	241.05	-1.67	J3 0.08 J4 0.06	0.00
1-16-57	J3 6.69 J4 7.30	241.03	-1.69	J3 0.07 J4 0.01	-0.02
1-17-57	J3 6.75 J4 7.35	240.99	-1.73	J3 0.06 J3 0.05	-0.04
1-18-57	J3 6.84 J4 7.43	240.99	-1.73	J3 0.09 J4 0.08	0.00
1-21-57	J3 6.95 J4 7.55	240.97	-1.75	J3 0.11 J4 0.12	-0.02
1-22-57	J3 7.05 J4 7.66	240.97	-1.75	J3 0.10 J4 0.11	0.00
1-23-57	J3 7.13 J4 7.76	240.94	-1.78	J3 0.08 J4 0.10	-0.03
1-24-57	J3 7.18 J4 7.81	240.92	-1.80	J3 0.05 J4 0.05	-0.02
1-25-57	J3 7.25 J4 7.90	240.89	-1.83	J3 0.07 J4 0.09	-0.03
1-28-57	J3 7.47 J4 8.10	240.88	-1.84	J3 0.22 J4 0.20	-0.01
1-30-57	J3 7.61 J4 8.24	240.85	-1.87	J3 0.14 J4 0.14	-0.03
1-31-57	J3 7.64 J4 8.30	240.82	-1.90	J3 0.03 J4 0.06	-0.03
2-1-57	J3 7.76 J4 8.41	240.79	-1.93	J3 0.12 J4 0.11	-0.03
2-4-57	J3 7.92 J4 8.59	240.75	-1.97	J3 0.16 J4 0.18	-0.04
2-5-57	J3 8.00 J4 8.67	240.75	-1.97	J3 0.08 J4 0.08	0.00
2-6-57	J3 8.07 J4 8.75	240.71	-2.01	J3 0.07 J4 0.08	-0.04
2-7-57	J3 8.12 J4 8.80	240.71	-2.01	J3 0.05 J4 0.05	0.00
2-8-57	J3 8.20 J4 8.88	240.70	-2.02	J3 0.08 J4 0.08	-0.01
2-11-57	J3 8.40 J4 9.08	240.64	-2.08	J3 0.20 J4 0.20	-0.06
2-13-57	J3 8.49 J4 9.22	240.62	-2.10	J3 0.09 J4 0.14	-0.02
2-14-57	J3 8.58 J4 9.28	240.59	-2.13	J3 0.09 J4 0.06	-0.03
2-15-57	J3 8.64 J4 9.34	240.59	-2.13	J3 0.06 J4 0.06	0.00

(CONT. ON PG.)

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
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Notes Ck'd by	Survey of SA OUTLIC
Map No.	W. O. 230420 Tape No. 93 St'd. 32 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 2-57
Date	Indexed C. Johnson

F. B. 242 PG. 133

COMPARISON SHEET
"J" LINE (J3 - J4)
(CONT. FROM PG. 122)

BA Pasture

J3 OFFSETS J4 OFFSETS

Skinner

DATE		TOTAL OFFSET	TOTAL DISTANCE	TOTAL SPREAD		PERIOD LINE	PERIOD SPREAD
2-18-57	J3	8.82	240.53	-2.19	J3	0.18	-0.06
	J4	9.52			J4	0.18	
2-19-57	J3	8.88	240.53	-2.19	J3	0.06	0.00
	J4	9.58			J4	0.06	
2-20-57	J3	8.93	240.53	-2.19	J3	0.05	0.00
	J4	9.64			J4	0.06	
2-21-57	J3	8.98	240.51	-2.21	J3	0.05	-0.02
	J4	9.69			J4	0.05	
2-25-57	J3	9.22	240.45	-2.27	J3	0.24	-0.06
	J4	9.95			J4	0.26	
2-26-57	J3	9.30	240.42	-2.30	J3	0.08	-0.03
	J4	10.02			J4	0.07	
2-27-57	J3	9.35	240.42	-2.30	J3	0.05	0.00
	J4	10.07			J4	0.05	
3-1-57	J3	9.48	240.39	-2.33	J3	0.13	-0.03
	J4	10.21			J4	0.14	
3-4-57	J3	9.67	240.34	-2.38	J3	0.19	-0.05
	J4	10.39			J4	0.18	
3-5-57	J3	9.76	240.31	-2.41	J3	0.09	-0.03
	J4	10.47			J4	0.08	
3-6-57	J3	9.83	240.31	-2.41	J3	0.07	0.00
	J4	10.57			J4	0.10	
3-7-57	J3	9.88	240.30	-2.42	J3	0.05	-0.01
	J4	10.64			J4	0.07	
3-8-57	J3	9.92	240.27	-2.45	J3	0.04	-0.03
	J4	10.69			J4	0.05	
3-11-57	J3	10.09	240.24	-2.48	J3	0.17	-0.03
	J4	10.88			J4	0.19	
3-12-57	J3	10.15	240.22	-2.50	J3	0.06	-0.02
	J4	10.93			J4	0.05	
3-13-57	J3	10.19	240.21	-2.51	J3	0.04	-0.01
	J4	10.97			J4	0.06	
3-14-57	J3	10.21	240.20	-2.52	J3	0.02	-0.01
	J4	11.04			J4	0.05	
3-15-57	J3	10.24	240.19	-2.53	J3	0.03	-0.01
	J4	11.08			J4	0.04	
3-18-57	J3	10.46	240.14	-2.58	J3	0.22	-0.05
	J4	11.30			J4	0.22	

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

76F3095 S&E #247. 8-54

F.B. 249 PG. 134

DATE	TOTAL OFFSET	TOTAL DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-19-57	J3 10.51 J4 11.35	240.13	-2.59	J3 0.05 J4 0.05	-0.01
3-20-57	J3 10.55 J4 11.40	240.11	-2.61	J3 0.04 J4 0.05	-0.02
3-21-57	J3 10.61 J4 11.46	240.10	-2.62	J3 0.06 J4 0.06	-0.01
3-22-57		TOO	WINDY		
3-25-57	J3 10.82 J4 11.69	240.05	-2.67	J3 0.21 J4 0.23	-0.05
3-26-57	J3 10.91 J4 11.76	240.02	-2.70	J3 0.09 J4 0.07	-0.03
3-27-57	J3 10.96 J4 11.82	240.01	-2.71	J3 0.05 J4 0.06	-0.01
3-28-57	J3 11.01 J4 11.88	240.01	-2.71	J3 0.05 J4 0.06	0.00
3-29-57	J3 11.05 J4 11.92	240.01	-2.71	J3 0.04 J4 0.04	0.04
4-2-57	J3 11.24 J4 12.12	239.95	-2.77	J3 0.19 J4 0.20	-0.06
4-3-57	J3 11.29 J4 12.18	239.95	-2.77	J3 0.05 J4 0.06	0.00
4-4-57	J3 11.34 J4 12.23	239.94	-2.78	J3 0.05 J4 0.05	-0.01
4-5-57	J3 11.39 J4 12.28	239.93	-2.79	J3 0.05 J4 0.05	-0.01
4-8-57	J3 11.55 J4 12.45	239.89	-2.83	J3 0.16 J4 0.17	-0.04
4-9-57	J3 11.60 J4 12.50	239.89	-2.83	J3 0.05 J4 0.05	0.00
4-10-57	J3 11.65 J4 12.55	239.87	-2.85	J3 0.05 J4 0.05	-0.02
4-11-57	J3 11.70 J4 12.60	239.86	-2.86	J3 0.05 J4 0.05	-0.01
4-12-57	J3 11.74 J4 12.65	239.85	-2.87	J3 0.04 J4 0.05	-0.01
4-15-57	J3 11.86 J4 12.78	239.81	-2.91	J3 0.12 J4 0.13	-0.04
4-16-57	J3 11.93 J4 12.86	239.80	-2.92	J3 0.07 J4 0.08	-0.01
4-17-57	J3 11.99 J4 12.92	239.79	-2.93	J3 0.06 J4 0.06	-0.01
4-18-57	J3 12.04 J4 12.98	239.77	-2.95	J3 0.05 J4 0.06	-0.02
4-19-57	J3 12.09 J4 13.03	239.75	-2.97	J3 0.05 J4 0.05	-0.02
4-22-57	J3 12.24 J4 13.18	239.72	-3.00	J3 0.15 J4 0.15	-0.03
4-23-57	J3 12.29 J4 13.23	239.72	-3.00	J3 0.05 J4 0.05	0.00

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

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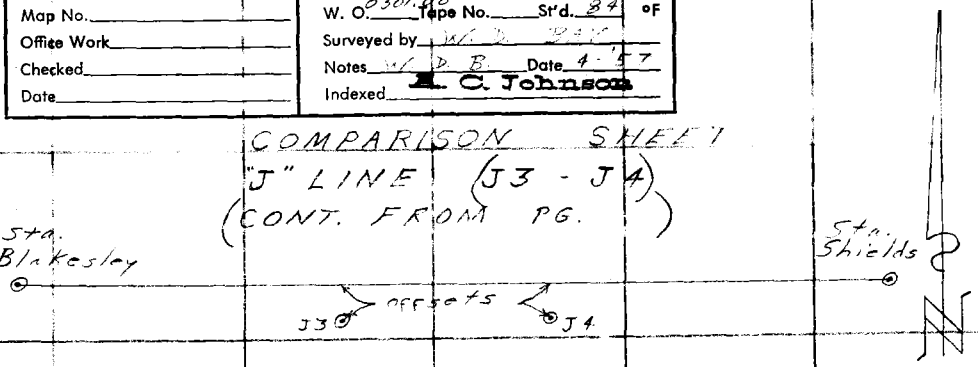
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301.40 Tape No. St'd. 84 °F
Office Work	Surveyed by W. D. B.
Checked	Notes W. D. B. Date 4-'57
Date	Indexed R. C. Johnson

F. B. 217 PG. 131

COMPARISON SHEET
"J" LINE (J3 - J4)
(CONT. FROM PG.)



DATE		TOTAL OFFSET	DISTANCE J3-J4	TOTAL SPREAD	PERIOD LINE		PERIOD SPREAD
4-24-57	J3 J4	12.33 13.27	239.70	-3.02	J3 J4	0.04 0.04	-0.02
4-25-57	J3 J4	12.37 13.31	239.69	-3.03	J3 J4	0.04 0.04	-0.01
4-26-57	J3 J4	12.42 13.36	239.67	-3.05	J3 J4	0.05 0.05	-0.02
4-29-57	J3 J4	12.57 13.52	239.65	-3.07	J3 J4	0.15 0.16	-0.02
4-30-57	J3 J4	12.61 13.57	239.64	-3.08	J3 J4	0.04 0.05	-0.01
5-1-57	J3 J4	12.64 13.60	239.62	-3.10	J3 J4	0.03 0.03	-0.02
5-2-57	J3 J4	12.69 13.65	239.62	-3.10	J3 J4	0.05 0.05	0.00
5-3-57	J3 J4	12.74 13.70	239.61	-3.11	J3 J4	0.05 0.05	-0.01
5-6-57	J3 J4	12.88 13.85	239.58	-3.14	J3 J4	0.14 0.15	-0.03
5-7-57	J3 J4	12.91 13.88	239.56	-3.16	J3 J4	0.03 0.03	-0.02
5-8-57	J3 J4	12.95 13.93	239.56	-3.16	J3 J4	0.04 0.05	0.00
5-9-57	J3 J4	13.00 13.99	239.55	-3.17	J3 J4	0.05 0.06	-0.01
5-10-57	J3 J4	13.03 14.03	239.55	-3.17	J3 J4	0.03 0.04	0.00
5-13-57	J3 J4	13.15 14.15	239.52	-3.20	J3 J4	0.12 0.12	-0.03
5-14-57	J3 J4	13.20 *14.15 *corrected	239.51	-3.21	J3 J4	0.05 0.00	-0.01
5-15-57	J3 J4	13.25 14.20	239.50	-3.22	J3 J4	0.05 0.05	-0.01
5-16-57	J3 J4	13.29 14.23	239.49	-3.23	J3 J4	0.04 0.03	-0.01
5-17-57	J3 J4	13.34 14.28	239.48	-3.24	J3 J4	0.05 0.05	-0.01
5-20-57	J3 J4	13.46 14.41	239.46	-3.26	J3 J4	0.12 0.13	-0.02

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RETURN TO
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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

F.B. 919 PG. 136

DATE	TOTAL OFFSET	DISTANCE J3 - J4	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
5-21-57	J3 13.50 J4 14.45	239.44	- 3.28	J3 0.04 J4 0.04	- 0.02
5-22-57	J3 13.56 J4 14.50	239.42	- 3.30	J3 0.06 J4 0.05	- 0.02
5-23-57	J3 13.60 J4 14.55	239.40	- 3.32	J3 0.04 J4 0.05	- 0.02
5-24-57	J3 13.64 J4 14.59	239.38	- 3.34	J3 0.04 J4 0.04	- 0.02
5-27-57	J3 13.73 J4 14.72	239.39	- 3.33	J3 0.09 J4 0.13	0.01
5-28-57	J3 13.77 J4 14.75	239.37	- 3.35	J3 0.04 J4 0.02	- 0.02
5-29-57	J3 13.81 J4 14.81	239.37	- 3.35	J3 0.04 J4 0.06	0.00
6-3-57	J3 13.97 J4 14.96	239.32	- 3.40	J3 0.16 J4 0.15	- 0.05
6-4-57	J3 14.02 J4 15.02	239.30	- 3.42	J3 0.05 J4 0.06	- 0.02
6-5-57	J3 14.06 J4 15.07	239.29	- 3.43	J3 0.04 J4 0.05	- 0.01
6-6-57	J3 14.11 J4 15.13	239.28	- 3.44	J3 0.05 J4 0.06	- 0.01
6-7-57	J3 14.16 J4 15.19	239.27	- 3.45	J3 0.05 J4 0.06	- 0.01
M 6-10-57	J3 14.25 J4 15.26	239.25	- 3.47	J-3 0.09 J-4 0.07	- 0.02
M 6-12-57	J3 14.34 J4 15.34	239.24	- 3.48	J3 0.09 J4 0.08	- 0.01
6-14-57	J3 14.44 J4 15.45	239.21	- 3.51	J3 0.09 J4 0.11	- 0.02
M 6-17-57	J3 14.56 J4 15.54	239.19	- 3.53	J3 0.12 J4 0.11	- 0.02
M 6-19-57	J3 14.62 J4 15.62	239.16	- 3.56	J3 0.06 J4 0.08	- 0.03
6-21-57	J3 14.66 J4 15.67	239.16	- 3.56	J3 0.04 J4 0.05	0.00
6-24-57	J3 14.81 J4 15.86	239.20	- 3.52	J3 0.15 J4 0.19	+ 0.04
6-26-57	J3 14.85 J4 15.90	239.18	- 3.54	J3 0.04 J4 0.04	- 0.02
6-28-57	J3 14.94 J4 15.97	239.13	- 3.59	J3 0.09 J4 0.07	- 0.05
7-1-57	J3 15.02 J4 16.06	239.06	- 3.66	J3 0.08 J4 0.09	- 0.07
7-2-57	J3 15.07 J4 16.14	239.08	- 3.64	J3 0.05 J4 0.08	+ 0.02

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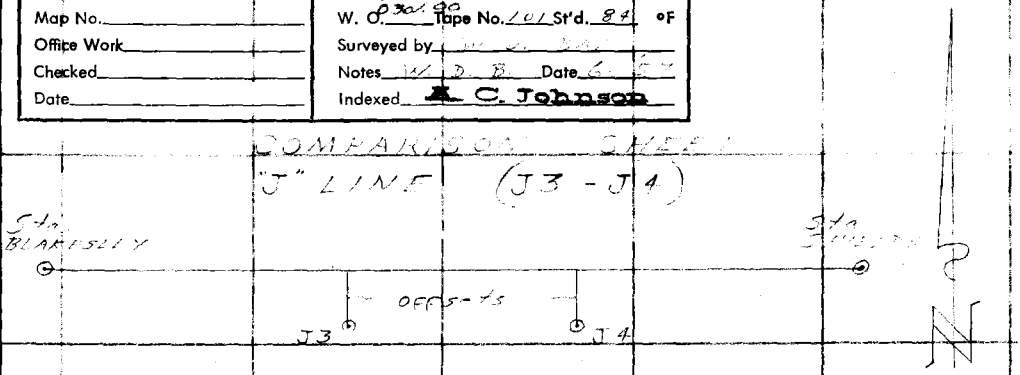
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. C. 30.90 Tape No. 101 St'd. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes W. D. B. Date [illegible]
Date	Indexed A. C. Johnson

F. B. [illegible] Pg. [illegible]

COMPARISON SHEET

"J" LINE (J3 - J4)



	DATE	TOTAL OFFSET		DISTANCE	TOTAL SPREAD	LINE		PERIOD SPREAD
W	7-3-57	J3	15.14	239.06	-3.66	J3	0.07	-0.02
		J4	16.19			J4	0.05	
M	7-8-57	J3	15.30	239.04	-3.68	J3	0.16	-0.02
		J4	16.35			J4	0.16	
T	7-9-57	J3	15.33	239.02	-3.70	J3	0.03	-0.02
		J4	16.39			J4	0.04	
	7-10-57	J3	15.38	239.00	-3.72	J3	0.05	-0.02
		J4	16.44			J4	0.05	
	7-11-57	J3	15.40	238.97	-3.75	J3	0.02	-0.03
		J4	16.44			J4	0.00	
	7-12-57	J3	15.45	238.97	-3.75	J3	0.05	0.00
		J4	16.50			J4	0.06	
	7-15-57	J3	15.51	238.96	-3.76	J3	0.06	0.01
		J4	16.59			J4	0.09	
	7-16-57	J3	15.58	238.96	-3.76	J3	0.06	0.00
		J4	16.65			J4	0.09	
	7-17-57	J3	15.59	238.90	-3.82	J3	0.01	0.06
		J4	16.67			J4	0.02	
	7-18-57	J3	15.67	238.94	-3.78	J3	0.08	+0.04
		J4	16.72			J4	0.05	
	7-19-57	J3	15.72	238.94	-3.78	J3	0.05	0.00
		J4	16.77			J4	0.05	
	7-23-57	J3	15.80	238.93	-3.79	J3	0.08	-0.01
		J4	16.88			J4	0.11	
	7-25-57	J3	15.91	238.89	-3.83	J3	0.09	-0.04
		J4	16.99			J4	0.11	
	7-26-57	J3	15.97	238.89	-3.83	J3	0.08	0.00
		J4	17.04			J4	0.05	

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ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 949 PG. 138

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
7-29-57	J3 16.06	238.86	- 3.86	J3 0.09	-0.03
	J4 17.11			J4 0.07	
7-30-57	J3 16.13	238.86	- 3.86	J3 0.07	0.00
	J4 17.23			J4 0.12	
7-31-57	J3 16.11	238.82	- 3.90	J3 -0.02	- 0.04
	J4 17.22			J4 -0.01	
8-1-57	J3 16.15	238.82	- 3.90	J3 0.04	0.00
	J4 17.28			J4 0.06	
8-2-57	J3 16.17	238.82	- 3.90	J3 0.02	0.00
	J4 17.30			J4 0.02	
8-5-57	J3 16.31	238.88	- 3.84	J3 0.14	+0.06
	J4 17.39			J4 0.09	
8-6-57	J3 16.28	238.75	- 3.97	J3 0.03	-0.13
	J4 17.40			J4 0.01	
8-9-57	J3 16.40	238.79	- 3.93	J3 0.12	+ 0.04
	J4 17.49			J4 0.09	
8-12-57	J3 16.49	238.74	- 3.97	J3 0.09	- 0.04
	J4 17.61			J4 0.12	
8-13-57	J3 16.48	238.72	- 3.99	0.01	- 0.02
	J4 17.62			0.01	
8-15-57	J3 16.56	238.70	- 4.01	0.08	- 0.02
	J4 17.70			0.08	
8-16-57	J3 16.63	238.69	- 4.02	J3 0.07	- 0.01
	J4 17.74			J4 0.04	
8-19-57	J3 16.68	238.69	- 4.02	J3 0.05	0.00
	J4 17.82			J4 0.08	
8-20-57	J3 16.71	238.68	- 4.03	0.03	- 0.01
	J4 17.83			0.01	
8-21-57	J3 16.75	238.66	- 4.05	0.04	- 0.02
	J4 17.89			0.06	

CONT. TO F.B. 950 - 13

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 138 Std 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes WALKS Date 10-56
Date	Indexed E. C. Johnson

F. B. 949 PG. 139

SEE ALSO PAGE 53

COMPARISON SHEET

"J" LINE (J5 - SHIELDS)

Blakesley — Held for line J5 — Shields

offsets

Date	Total offset	Distance	Total spread	Period line	Diff spread
9-20-56	—	[illegible]	—	—	—
10-11-56	1.10	258.86	+0.41	0.04	-0.04
10-15-56	[illegible]	[illegible]	+0.43	0.14	0.02
10-16-56	1.33	258.94	+0.49	0.09	+0.06
10-17-56	1.41	259.00	+0.55	0.08	+0.06
10-18-56	1.42	259.00	+0.55	0.01	0.00
10-19-56	[illegible]	258.96	+0.51	[illegible]	-0.04
10-22-56	[illegible]	[illegible]	+0.68	0.18	+0.17
10-23-56	1.76	259.07	+0.62	0.04	-0.06
10-24-56	1.81	259.15	+0.70	0.05	+0.08
10-25-56	1.81	[illegible]	+0.70	0.03	0.00
10-26-56	1.96	259.15	+0.70	0.12	0.00
10-29-56	2.08	259.21	0.76	0.12	0.06
10-30-56	2.18	[illegible]	0.81	0.10	0.05
10-31-56	[illegible]	[illegible]	0.86	[illegible]	[illegible]
11-1-56	2.31	—	0.86	0.04	—
11-2-56	2.34	259.34	0.89	0.03	0.03
11-5-56	2.55	259.41	0.96	0.21	0.07
11-7-56	2.66	259.51	1.06	0.11	0.10
11-8-56	2.72	259.51	1.06	0.06	0.00
11-9-56	2.85	—	—	0.13	—
11-13-56	3.05	259.69	1.24	0.20	+0.18
11-14-56	3.14	259.69	1.24	0.09	0.00
11-15-56	3.24	NOT MEAS	—	0.10	—
11-16-56	3.26	259.71	1.26	0.02	0.02
11-19-56	3.49	259.75	1.30	0.23	0.04
11-20-56	3.59	259.81	1.36	0.10	0.06
11-23-56	3.75	259.83	1.38	0.1	0.02
11-26-56	3.96	259.97	1.52	0.21	0.14

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76F309S S&E #247 1-56

F. B. 949 PG. 140

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
11-27-56	4.06	259.99	1.54	0.10	0.02
11-28-56	4.11	260.03	1.58	0.05	0.04
11-29-56	4.18	260.07	1.62	0.07	0.04
11-30-56	4.29	260.12	1.67	0.11	0.05
12-3-56	4.46	260.17	1.72	0.17	0.05
12-4-56	4.54	260.20	1.75	0.08	0.03
12-5-56	4.59	260.22	1.77	0.05	0.02
12-6-56	4.73	260.27	1.82	0.14	0.05
12-7-56	4.78	NOT MEAS. - WINDY		0.05	?
12-10-56	4.92	260.36	1.91	0.14	0.09
12-11-56	5.05	260.43	1.98	0.13	0.07
12-12-56	5.10	260.46	2.01	0.05	0.03
12-13-56	5.19	260.46	2.01	0.09	0.00
12-14-56	5.27	260.50	2.05	0.08	0.04
12-17-56	5.45	260.57	2.12	0.18	0.07
12-18-56	5.53	260.60	2.15	0.08	0.03
12-19-56	5.62	260.60	2.15	0.09	0.00
12-20-56	5.70	—	—	0.08	—
12-21-56	5.80	260.68	2.23	0.10	0.08
12-26-56	6.10	260.87	2.42	0.30	0.19
12-27-56	6.23	260.87	2.42	0.13	0.00
12-28-56	6.30	260.89	2.44	0.07	0.02
1-2-57	6.62	261.01	2.56	0.32	0.12
1-3-57	6.76	261.06	2.61	0.14	0.05
1-4-57	6.78	261.12	2.67	0.02	0.06
1-8-57	7.06	261.24	2.79	0.28	0.12
1-10-57	7.21	261.33	2.88	0.15	0.09
1-11-57	7.28	261.35	2.90	0.07	0.02
1-13-57	7.42	261.35	2.90	0.14	0.00
1-14-57	7.47	261.41	2.96	0.05	0.06
1-15-57	7.62	261.45	3.00	0.15	0.04
1-16-57	7.65	261.45	2.90	0.03	0.00
1-17-57	7.74	261.47	3.02	0.09	0.02
1-18-57	7.82	261.56	3.11	0.08	0.09
1-21-57	8.03	261.59	3.14	0.21	0.03

(SEE NEXT PAGE)

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Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 0301.00 Tape 93 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes Richards Date 1-57
Date	Indexed C. Johnson

F. B. 949 PG. 141

(CONT FROM PG. 124)

N

COMPARISON SHEET
(LINE CJ5 TO SHIELDS)

BLAKESLY — HELD TO J5 FOR LINE — SHIELDS

OFFSET

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
1-22-57	8.06	261.68	3.23	0.03	0.09
1-23-57	8.15	261.68	3.23	0.09	0.00
1-25-57	8.33	261.70	3.25	0.18	0.02
1-28-57	8.47	261.80	3.35	0.14	0.10
1-30-57	8.61	261.89	3.44	0.14	0.09
1-31-57	8.73	261.92	3.47	0.12	0.03
2-1-57	8.81	261.99	3.54	0.08	0.07
2-4-57	9.06	262.05	3.60	0.25	0.06
2-5-57	9.10	262.08	3.63	0.04	0.03
2-6-57	9.17	262.11	3.66	0.07	0.03
2-7-57	9.30	262.13	3.68	0.13	0.02
2-8-57	9.34	262.17	3.72	0.04	0.04
2-11-57	9.56	262.28	3.83	0.22	0.11
2-13-57	9.68	262.32	3.87	0.12	0.04
2-14-57	9.76	262.38	3.93	0.08	0.06
2-15-57	9.82	262.38	3.93	0.06	0.00
2-18-57	10.06	262.50	4.05	0.24	0.12
2-19-57	10.12	262.54	4.09	0.06	0.04
2-20-57	10.19	262.54	4.09	0.07	0.00
2-21-57	10.25	262.58	4.13	0.06	0.04
2-25-57	10.55	262.69	4.24	0.30	0.11
2-26-57	10.62	262.71	4.26	0.07	0.02
2-27-57	10.66	262.74	4.29	0.04	0.03
3-1-57	10.80	262.81	4.36	0.14	0.07
3-4-57	11.03	262.91	4.46	0.23	0.10
3-5-57	11.12	262.91	4.46	0.09	0.00
3-6-57	11.18	262.95	4.50	0.06	0.04
3-7-57	11.20	262.97	4.52	0.02	0.02
3-8-57	11.32	263.01	4.56	0.12	0.04

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76F309S S&E #247 1-56

F. B 949 PG. 142

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-11-57	11.52	263.10	4.65	0.20	0.08
3-12-57	11.59	263.12	4.67	0.07	0.02
3-13-57	11.64	—	—	0.05	—
3-14-57	11.68	263.17	4.72	0.04	0.05
3-15-57	11.77	263.18	4.73	0.09	0.01
3-18-57	11.99	263.28	4.83	0.22	0.10
3-19-57	12.06	263.30	4.85	0.07	0.02
3-20-57	12.13	263.34	4.89	0.07	0.04
3-21-57	12.20	263.39	4.94	0.07	0.05
3-22-57	—	TOO	WINDY	—	—
3-25-57	12.45	263.50	5.05	0.25	0.11
3-26-57	12.52	263.53	5.08	0.07	0.03
3-27-57	12.58	263.54	5.09	0.06	0.01
3-28-57	12.64	263.57	5.12	0.06	0.03
3-29-57	12.72	263.59	5.14	0.08	0.02
4-2-57	12.97	TOO WIN	DY —	0.25	—
4-3-57	13.02	263.69	5.24	0.05	0.10
4-4-57	13.07	263.73	5.28	0.05	0.04
4-5-57	13.14	263.77	5.32	0.07	0.04
4-8-57	13.30	263.83	5.38	0.16	0.06
4-9-57	13.36	263.86	5.41	0.06	0.03
4-10-57	13.41	263.89	5.44	0.05	0.03
4-11-57	13.48	263.92	5.47	0.07	0.03
4-12-57	13.53	263.94	5.49	0.05	0.02
4-15-57	13.71	264.06	5.61	0.18	0.12
4-16-57	13.76	264.09	5.64	0.05	0.03
4-17-57	13.82	264.06	5.61	0.06	-0.03
4-18-57	13.90	264.09	5.64	0.08	0.03
4-19-57	13.96	264.13	5.68	0.06	0.04
4-22-57	14.10	264.19	5.74	0.14	0.06
4-23-57	14.16	264.21	5.76	0.06	0.02
4-24-57	14.23	264.25	5.80	0.07	0.04
4-25-57	14.28	264.27	5.82	0.05	0.02
4-26-57	14.34	264.31	5.86	0.06	0.04
4-27-57	14.50	264.36	5.91	0.16	0.05
4-30-57	14.55	264.37	5.92	0.05	0.01
5-1-57	14.60	264.41	5.96	0.05	0.04
5-2-57	14.65	264.43	5.98	0.05	0.02

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700 Los Angeles County Engineering Bldg.
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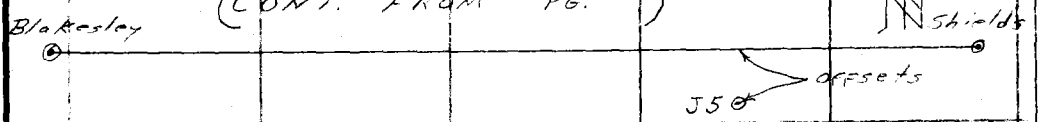
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301-00 Tape No. St'd. 84 °F
Office Work	Surveyed by W. D. FAY
Checked	Notes W. D. B. Date 5-57
Date	Indexed J. C. Johnson

F. B. 517 Pg. 143

COMPARISON SHEET

"J" LINE (J5 - SHIELDS)

(CONT. FROM PG.)



DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
5-3-57	14.70	264.17	6.02	0.05	0.04
5-6-57	14.86	264.51	6.06	0.16	0.04
5-7-57	14.91	264.52	6.07	0.05	0.01
5-8-57	14.96	264.55	6.10	0.05	0.03
5-9-57	15.02	264.57	6.12	0.06	0.02
5-10-57	15.06	264.61	6.16	0.04	0.04
5-13-57	15.21	264.68	6.23	0.15	0.07
5-14-57	15.26	264.70	6.25	0.05	0.02
5-15-57	15.31	264.74	6.29	0.05	0.04
5-16-57	15.36	264.74	6.29	0.05	0.00
5-17-57	15.42	264.77	6.32	0.06	0.03
5-20-57	15.57	264.83	6.38	0.15	0.06
5-21-57	15.61	264.85	6.40	0.04	0.02
5-22-57	15.66	264.89	6.44	0.05	0.04
5-23-57	15.71	264.91	6.46	0.05	0.02
5-24-57	15.76	264.93	6.48	0.05	0.02
5-27-57	15.91	264.99	6.54	0.15	0.06
5-28-57	15.96	265.02	6.57	0.05	0.03
5-29-57	16.02	265.05	6.60	0.06	0.03
6-3-57	16.19	265.16	6.71	0.17	0.11
6-4-57	16.24	265.16	6.71	0.05	0.00
6-5-57	16.30	265.18	6.73	0.06	0.02
6-6-57	16.35	265.19	6.74	0.05	0.01
6-7-57	16.41	265.22	6.77	0.06	0.03
6-10-57	16.53	265.28	6.83	0.12	0.06
6-12-57	16.64	265.34	6.89	0.11	0.06
6-14-57	16.73	265.36	6.91	0.09	0.02
6-17-57	16.88	265.45	7.00	0.15	0.09
6-19-57	16.97	265.49	7.04	0.09	0.04

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76F3095 S&E #247. 8-54

F.B. 949 PG. 144

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
6-21-57	17.02	265.56	+7.11	0.05	0.07
M 6-24-57	17.10	265.62	+7.17	0.08	0.06
W 6-26-57	17.10	265.62	+7.17	0.00	0.00
T 6-27-57	17.29	265.60	+7.19	0.19	-0.02
F 6-28-57	17.36	265.65	+7.26	0.07	+0.05
M 7-1-57	17.46	265.74	+7.35	0.10	+0.09
T 7-2-57	17.50	265.70	+7.31	0.04	-0.04
7-3-57	17.62	265.76	+7.37	0.12	+0.06
7-8-57	17.74	265.83	+7.44	0.12	0.07
7-9-57	17.86	265.90	+7.51	0.12	0.07
7-10-57	17.89	265.80	+7.61	0.03	-0.10
7-11-57	17.94	265.92	+7.53	0.05	+0.12
7-12-57	17.96	265.92	+7.53	0.02	0.00
M 7-15-57	18.01	265.99	+7.60	0.05	0.07
T 7-16-57	18.11	266.04	+7.65	0.10	0.05
7-17-57	18.18	265.98	+7.59	0.07	0.06
7-18-57	18.20	266.02	+7.63	0.02	+0.04
7-19-57	18.25	266.05	+7.66	0.05	+0.03
7-23-57	18.42	266.05	+7.66	0.17	0.00
7-25-57	18.52	266.15	+7.76	0.10	+0.10
7-26-57	18.52	266.23	+7.84	0.00	+0.08
7-29-57	18.66	266.27	+7.88	0.14	+0.04
7-30-57	18.72	266.24	+7.85	0.06	-0.03
7-31-57	18.82	266.23	+7.84	0.10	-0.01
8-1-57	18.82	266.29	+7.90	0.00	0.06
8-2-57	18.82	266.29	+7.90	0.00	-0.00
8-5-57	18.95	266.39	+8.00	0.13	0.10
8-6-57	18.97	266.41	+8.02	0.02	+0.02
8-8-57	19.03	266.39	+8.00	0.06	-0.02
8-9-57	19.06	266.47	+8.08	0.03	+0.08
8-12-57	19.18	266.45	+8.06	0.12	-0.02
8-13-57	19.23	266.52	+8.13	0.05	+0.07
8-15-57	19.30	266.54	+8.15	0.07	+0.02
8-16-57	19.32	266.58	+8.19	0.02	+0.04
8-19-57	19.43	266.60	+8.21	0.11	+0.02
8-20-57	19.46	266.63	+8.24	0.03	+0.03
8-21-57	19.50	266.64	+8.25	0.04	+0.01

Cont. to F.B. 950 - 15

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301 00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 10-56
Date	Indexed [illegible] C. Johnson

F. B. 947 PG. 1[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-15-56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-16-56	K2 0.41 K3 1.24	238.20	-0.01	K2 0.03 K3 0.07	-0.03
10-17-56	K2 0.44 K3 1.36	238.20	-0.01	K2 0.03 K3 0.12	0.00
10-18-56	K2 0.54 K3 1.48	238.26	+0.05	K2 0.10 K3 0.12	+0.06
10-19-56	K2 0.54 K3 1.48	238.19	-0.02	K2 0.00 K3 0.00	-0.07
10-22-56	K2 0.59 K3 1.82	238.21	0.00	K2 0.05 K3 0.34	+0.02
10-24-56	K-2 0.54 K-3 1.88	238.17	-0.04	K-2 -0.05 K-3 0.06	-0.04
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
10-26-56	K-2 0.67 K-3 2.05 K[illegible] 0.69	238.20	[illegible]	K-2 0.00 K-3 0.04	0.00
[illegible]	K3 [illegible]	[illegible]	-0.03	K2 [illegible] K3 [illegible]	-0.02
[illegible]	K2 [illegible] K3 [illegible]	[illegible]	-0.03	K2 [illegible] K3 0.10	0.00
[illegible]	K2 0.76 K3 [illegible]	238.18	-0.03	K2 0.01 K3 [illegible]	0.00

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76F309S S&E #247. 8-54

F. B. 999 PG. 146

Date					
	2 [illegible]			2 [illegible]	
	3 [illegible]			3 [illegible]	
11-2-56	K2 0.76 K3 2.66	238.18	-0.03	K2 0.05 K3 0.07	0.00
11-5-56	K2 [illegible] K3 [illegible]	238.12	-0.03	K2 [illegible] K3 [illegible]	0.00
11-7-56	K2 2.89 K3 5.04	[illegible]	[illegible]	K2 [illegible] K3 [illegible]	-0.[illegible]
11-8-56	K2 0.98 K3 3.16	238.15	-0.06	K2 0.09 K3 0.12	0.00
11-9-56	K2 1.02 K3 3.28	238.10	-0.11	K2 0.09 K3 0.12	-0.05
11-13-56	K2 1.11 K3 3.60	238.14	-0.07	K2 0.09 K3 0.32	0.04
11-14-56	K2 1.14 K3 3.70	238.14	-0.07	K2 0.03 K3 0.10	0.00
11-15-56	K-2 1.22 K-3 3.82	238.14	-0.07	K-2 0.08 K-3 0.12	0.00
11-16-56	K-2 1.22 K-3 3.82	238.14	-0.07	K-2 0.00 K-3 0.00	0.00
11-19-56	K-2 1.34 K-3 4.08	238.14	-0.07	K-2 0.12 K-3 0.26	0.00
11-20-56	K-2 1.39 K-3 4.27	238.14	-0.07	K-2 0.05 K-3 0.19	0.00
11-23-56	K-2 1.48 K-3 4.50	238.14	-0.07	K-2 0.09 K-3 0.23	0.00
11-26-56	K-2 1.58 K-3 4.82	238.14	-0.07	K-2 0.10 K-3 0.32	0.00
11-27-56	K-2 1.64 K-3 4.93	238.14	-0.07	K-2 0.06 K-3 0.11	0.00
11-28-56	K-2 1.67 K-3 5.02	238.14	-0.07	K-2 0.03 K-3 0.09	0.00
11-29-56	K-2 1.70 K-3 5.10	238.14	-0.07	K-2 0.03 K-3 0.08	0.00
11-30-56	K-2 1.73 K-3 5.20	238.14	-0.07	K-2 0.03 K-3 0.10	0.00
12-3-56	K-2 1.85 K-3 5.52	238.14	-0.07	K-2 0.12 K-3 0.32	0.00
12-4-56	K-2 1.88 K-3 5.62	238.07	-0.14	K-2 0.03 K-3 0.10	-0.07
12-5-56	K-2 1.90 K-3 5.70	238.05	-0.16	K-2 0.02 K-3 0.08	-0.02
12-6-56	K-2 1.95 K-3 5.82	238.05	-0.16	K-2 0.05 K-3 0.12	0.00
12-7-56	K-2 1.95 K-3 5.90	238.05	-0.16	K-2 0.00 K-3 0.08	0.00

(SEE NEXT PAGE)

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Notes Ck'd by	Survey of GROUND CONTROL
Map No.	W. O. 0301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes RICHARDS Date 12-7-56
Date	Indexed K. C. Johnson

F. B. 949 PG. 147

(CONT. FROM PG. 128)

DISTANCE

K-1 K-2 OFFSETS K-3 K-6

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
9-27-56	—	238.21	—	—	—
12-10-56	K-2 2.06 K-3 6.15	238.05	-0.16	K-2 0.11 K-3 0.25	0.00
12-11-56	K-2 2.09 K-3 6.25	238.04	-0.17	K-2 0.03 K-3 0.10	-0.01
12-12-56	K-2 2.16 K-3 6.37	238.02	-0.19	K-2 0.07 K-3 0.12	-0.02
12-13-56	K-2 2.18 K-3 6.50	238.02	-0.19	K-2 0.02 K-3 0.13	0.00
12-14-56	K-2 2.21 K-3 6.60	238.00	-0.21	K-2 0.03 K-3 0.10	0.02
12-17-56	K-2 2.31 K-3 6.90	238.00	-0.21	K-2 0.10 K-3 0.30	0.00
12-18-56	K-2 2.34 K-3 6.99	238.00	-0.21	K-2 0.03 K-3 0.09	0.00
12-19-56	K-2 2.37 K-3 7.10	237.98	-0.23	K-2 0.03 K-3 0.11	0.02
—	—	—	—	—	—
12-21-56	K-2 2.44 K-3 7.32	237.97	-0.24	K-2 0.07 K-3 0.22	0.01
12-26-56	K-2 2.56 K-3 7.80	237.97	-0.24	K-2 0.12 K-3 0.48	0.00
12-27-56	K-2 2.61 K-3 7.92	237.94	-0.27	K-2 0.05 K-3 0.12	-0.03
12-28-56	K2 2.63 K3 8.00	237.94	-0.27	K2 0.02 K3 0.08	0.00
1-2-57	K2 2.77 K3 8.52	237.92	-0.29	K2 0.14 K3 0.52	-0.02
1-3-57	K2 2.80 K3 8.62	237.92	-0.29	K2 0.03 K3 0.10	0.00
1-4-57	K2 2.86 K3 8.75	237.92	-0.29	K2 0.06 K3 0.13	0.00
1-8-57	K2 3.00 K3 9.17	237.92	-0.29	K2 0.14 K3 0.42	0.00
1-10-57	K2 3.03 K3 9.36	237.92	-0.29	K2 0.03 K3 0.19	0.00
1-11-57	K2 3.09 K3 9.48	237.90	-0.31	K2 0.06 K3 0.12	-0.02

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76F3095 S&E #247. 8-54

F. B. 949 PG. 148

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
1-13-57	K2 3.16 K3 9.66	237.90	-0.31	K2 0.07 K3 0.18	0.00
1-14-57	K-2 3.22 K-3 9.84	237.88	-0.33	K2 0.06 K3 0.18	0.02
1-15-57	K2 3.27 K3 9.95	237.86	-0.35	K2 0.05 K3 0.11	-0.02
1-16-57	K2 3.38 K3 10.08	237.84	-0.37	K2 0.11 K3 0.13	-0.02
1-17-57	K2 3.40 K3 10.25	237.84	-0.37	K2 0.02 K3 0.17	0.00
1-18-57	K2 3.40 K3 10.30	237.84	-0.37	K2 0.00 K3 0.05	0.00
1-21-57	K2 3.49 K3 10.58	237.82	-0.39	K2 0.09 K3 0.28	0.02
1-22-57	K2 3.48 K3 10.67	237.82	-0.39	K2 0.09 K3 0.09	0.00
1-23-57	K2 3.55 K3 10.80	237.82	-0.39	K2 0.07 K3 0.13	0.00
1-24-57	K2 3.59 K3 10.89	237.82	-0.39	K2 0.04 K3 0.09	0.00
1-25-57	K2 3.62 K3 11.01	237.82	-0.39	K2 0.03 K3 0.12	0.00
1-28-57	K2 3.71 K3 11.34	237.80	-0.41	K2 0.09 K3 0.33	-0.02
1-30-57	K2 3.75 K3 11.54	237.78	-0.43	K2 0.04 K3 0.20	-0.02
1-31-57	K2 3.81 K3 11.65	237.78	-0.43	K2 0.06 K3 0.11	0.00
2-1-57	K2 3.85 K3 11.80	237.75	-0.46	K2 0.04 K3 0.15	-0.03
2-4-57	K2 3.92 K3 12.11	237.69	-0.52	K2 0.07 K3 0.31	-0.06
2-5-57	K2 4.00 K3 12.24	237.69	-0.52	K2 0.08 K3 0.13	0.00
2-6-57	K2 4.03 K3 12.34	237.69	-0.52	K2 0.03 K3 0.10	0.00
2-7-57	K2 4.05 K3 12.47	237.69	-0.52	K2 0.02 K3 0.13	0.00
2-8-57	K-2 4.08 K-3 12.54	237.69	-0.52	K2 0.03 K-3 0.07	0.00
2-11-57	K2 4.19 K3 12.86	237.67	-0.54	K2 0.11 K3 0.32	-0.02
2-13-57	K2 4.19 K3 13.02	237.65	-0.56	K2 0.00 K3 0.16	-0.02
2-14-57	K2 4.24 K3 13.18	237.64	-0.57	K2 0.05 K3 0.16	-0.01
2-15-57	K2 4.29 K3 13.32	237.64	-0.57	K2 0.05 K3 0.14	0.00
2-18-57	K2 4.37 K3 13.62	237.64	-0.57	K2 0.08 K3 0.30	0.00

(CONT. ON PG.

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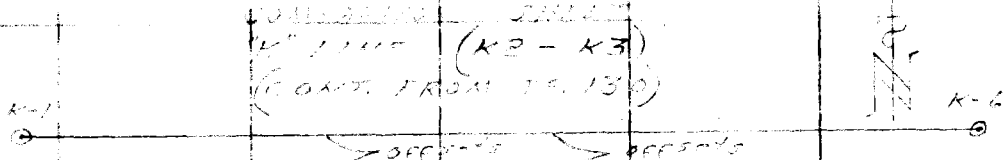
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 8304.00 Tape No. 93 St'd. 24 °F
Offide Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson

F. B. 222 Pg. 149

[illegible] (K2 - K3)
(COAST TRUAL TO 130)



DATE	TOTAL OFFSET		DISTANCE	TOTAL SPREAD	LINE	PERIOD SPREAD
2-19-57	K-2 K-3	4.39 13.70	237.64	-0.57	K-2 0.02 K-3 0.08	0.00
2-20-57	K2 K3	4.44 13.84	237.64	-0.57	K2 0.05 K3 0.14	0.00
2-21-57	K2 K3	4.46 13.93	237.64	-0.57	K2 0.02 K3 0.09	0.00
2-25-57	K2 K3	4.58 14.35	237.61	-0.60	K2 0.12 K3 0.42	-0.03
2-26-57	K2 K3	4.63 14.48	237.59	-0.62	K-2 0.05 K-3 0.13	-0.02
2-27-57	K2 K3	4.66 14.58	237.58	-0.63	K2 0.03 K3 0.10	-0.01
3-1-57	K2 K3	4.75 14.82	237.58	-0.63	K2 0.09 K3 0.24	0.00
3-4-57	K2 K3	4.85 15.18	237.54	-0.67	K2 0.10 K3 0.36	-0.04
3-5-57	K2 K3	4.88 15.27	237.51	-0.70	K2 0.03 K3 0.11	-0.03
3-6-57	K2 K3	4.90 15.40	237.51	-0.70	K2 0.02 K3 0.11	0.00
3-7-57	K2 K3	4.91 15.47	237.51	-0.70	K2 0.01 K3 0.07	0.00
3-8-57	K2 K3	4.96 15.60	237.50	-0.71	K2 0.05 K3 0.13	-0.01
3-11-57	K2 K3	5.05 15.91	237.47	-0.74	K2 0.09 K3 0.31	-0.03
3-12-57	K2 K3	5.06 16.00	237.47	-0.74	K2 0.01 K3 0.09	0.00
3-13-57	K2 K3	5.10 16.13	237.47	-0.74	K2 0.04 K3 0.13	0.00
3-14-57	K2 K3	5.13 16.23	237.47	-0.74	K2 0.03 K3 0.10	0.00
3-15-57	K2 K3	5.18 16.35	237.47	-0.74	K2 0.05 K3 0.12	0.00
3-18-57	K2 K3	5.26 16.67	237.42	-0.79	K2 0.08 K3 0.32	-0.05
3-19-57	K2 K3	5.30 16.78	237.41	-0.80	K2 0.04 K3 0.11	-0.01

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76F309S S&E #247. 8-54

F.B. 947 PG. 150

DATE	TOTAL OFFSET	TOTAL DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-20-57	K2 5.33 K3 16.88	237.41	-0.80	K2 0.03 K3 0.10	-0.00
3-21-57	K2 5.38 K3 17.01	237.41	-0.80	K2 0.05 K3 0.13	0.00
3-22-57	K2 5.41 K3 17.13	—	Too Windy	K2 0.03 K3 0.12	—
3-25-57	K2 5.49 K3 17.40	237.37	-0.84	K2 0.08 K3 0.27	-0.04
3-26-57	K2 5.53 K3 17.50	237.36	-0.85	K2 0.04 K3 0.10	-0.01
3-27-57	K2 5.58 K3 17.61	237.36	-0.85	K2 0.05 K3 0.11	0.00
3-28-57	K2 5.59 K3 17.69	237.36	-0.85	K2 0.01 K3 0.08	0.00
3-29-57	K2 5.67 K3 17.78	237.36	-0.85	K2 0.03 K3 0.09	0.00
4-2-57	K2 5.75 K3 18.16	237.36	-0.85	K2 0.13 K3 0.38	0.00
4-3-57	K2 5.78 K3 18.27	237.36	-0.85	K2 0.03 K3 0.11	0.00
4-4-57	K2 5.79 K3 18.36	237.36	-0.85	K2 0.01 K3 0.09	0.00
4-5-57	K2 5.80 K3 18.45	237.36	-0.85	K2 0.01 K3 0.09	0.00
4-8-57	K2 5.91 K3 18.73	237.36	-0.85	K2 0.11 K3 0.28	0.00
4-7-57	K2 5.95 K3 18.85	237.36	-0.85	K2 0.04 K3 0.12	0.00
4-10-57	K2 6.08 K3 19.24	237.36	-0.85	K2 0.13 K3 0.39	0.00
4-11-57	K2 6.01 K3 19.03	237.36	-0.85	K2 0.03 K3 0.09	0.00
4-12-57	K2 6.04 K3 19.13	237.36	-0.85	K2 0.03 K3 0.10	0.00
4-15-57	K2 6.14 K3 19.45	237.36	-0.85	K2 0.10 K3 0.32	0.00
4-16-57	K2 6.17 K3 19.53	237.36	-0.85	K2 0.03 K3 0.08	0.00
4-17-57	K2 6.21 K3 19.64	237.36	-0.85	K2 0.04 K3 0.11	0.00
4-18-57	K2 6.24 K3 19.73	237.36	-0.85	K2 0.03 K3 0.09	0.00
4-19-57	K2 6.27 K3 19.82	237.35	-0.86	K2 0.03 K3 0.09	-0.01
4-22-57	K2 6.37 K3 20.09	237.35	-0.86	K2 0.10 K3 0.27	0.00
4-23-57	K2 6.42 K3 20.20	237.35	-0.86	K2 0.05 K3 0.11	0.00
4-24-57	K2 6.46 K3 20.28	237.35	-0.86	K2 0.04 K3 0.08	0.00

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Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301.00 Tape No. St'd. 84 °F
Office Work	Surveyed by W. J. RAY
Checked	Notes W. D. B. Date 4-'57
Date	Indexed A. C. Johnson

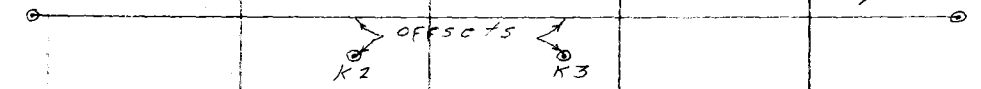
F. B. 940 PG. 151

COMPARISON SHEET
"K" LINE (K2 - K3)
(CONT. FROM PG.)

K-1 — K-6

offsets

K2 K3



DATE	TOTAL OFFSET	DISTANCE K2-K3	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
4-25-57	K2 6.50 K3 20.37	237.35	-0.86	K2 0.04 K3 0.09	0.00
4-26-57	K2 6.52 K3 20.43	237.35	-0.86	K2 0.02 K3 0.06	0.00
4-29-57	K2 6.63 K3 20.65	237.33	-0.88	K2 0.11 K3 0.22	-0.02
4-30-57	K2 6.67 K3 20.74	237.33	-0.88	K2 0.04 K3 0.09	0.00
5-1-57	K2 6.70 K3 20.83	237.33	-0.88	K2 0.03 K3 0.09	0.00
5-2-57	K2 6.73 K3 20.92	237.33	-0.88	K2 0.03 K3 0.09	0.00
5-3-57	K2 6.77 K3 21.00	237.33	-0.88	K2 0.04 K3 0.08	0.00
5-6-57	K2 6.84 K3 21.25	237.33	-0.88	K2 0.07 K3 0.25	0.00
5-7-57	K2 6.88 K3 21.34	237.33	-0.88	K2 0.04 K3 0.09	0.00
5-8-57	K2 6.92 K3 21.41	237.33	-0.88	K2 0.04 K3 0.07	0.00
5-9-57	K2 6.94 K3 21.51	237.33	-0.88	K2 0.02 K3 0.10	0.00
5-10-57	K2 6.95 K3 21.58	237.33	-0.88	K2 0.01 K3 0.07	0.00
5-13-57	K2 7.05 K3 21.85	237.33	-0.88	K2 0.10 K3 0.27	0.00
5-14-57	K2 7.09 K3 *22.04 *corrected	237.33	-0.88	K2 0.04 K3 0.19	0.00
5-15-57	K2 *7.04 K3 22.13 *corrected	237.33	-0.88	K2 -0.05 K3 0.09	0.00
5-16-57	K2 7.08 K3 22.24	237.32	-0.89	K2 0.04 K3 0.11	-0.01
5-17-57	K2 7.10 K3 22.32	237.32	-0.89	K2 0.02 K3 0.08	0.00
5-20-57	K2 7.18 K3 22.57	237.32	-0.89	K2 0.08 K3 0.25	0.00

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76F309S S&E #247. 8-54

F.B. 949 PG. 152

DATE	TOTAL OFFSET	DISTANCE K2-K3	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
5-21-57	K2 7.21 K3 22.65	237.32	-0.89	K2 0.03 K3 0.09	0.00
5-22-57	K2 7.24 K3 22.74	237.32	-0.89	K2 0.03 K3 0.09	0.00
5-23-57	K2 7.26 K3 22.78	237.28	-0.93	K2 0.02 K2 0.04	-0.04
5-24-57	K2 7.29 K3 22.83	237.27	-0.94	K2 0.03 K3 0.05	-0.01
5-27-57	K2 7.37 K3 23.03	237.26	-0.95	K2 0.08 K3 0.20	-0.01
5-28-57	K2 7.42 K3 23.09	237.25	-0.96	K2 0.05 K3 0.06	-0.01
5-29-57	K2 7.44 K3 23.15	237.25	-0.96	K2 0.02 K3 0.06	0.00
6-3-57	K2 7.57 K3 23.43	237.25	-0.96	K2 0.13 K3 0.28	0.00
6-4-57	K2 7.60 K3 23.51	237.24	-0.97	K2 0.03 K3 0.08	-0.01
6-5-57	K2 7.64 K3 23.59	237.23	-0.98	K2 0.04 K3 0.08	-0.01
6-6-57	K2 7.68 K3 23.65	237.22	-0.99	K2 0.04 K3 0.06	-0.01
6-[illegible]-57	K2 [illegible] K3 23.75	[illegible]	[illegible]	K2 [illegible] K3 0.08	-0.01
6-10-57	K2 7.77 K3 23.93	237.20	-1.01	K-2 0.06 K-3 0.20	-0.01
6-12-57	K2 7.81 K3 24.06	237.19	-1.02	K2 0.04 K3 0.13	-0.01
6-[illegible]-57	[illegible]	[illegible]	-1.04	[illegible]	[illegible]
6-17-57	K2 7.88 K3 24.37	237.15	-1.06	K2 0.04 K3 0.17	-0.02
6-19-57	K2 7.94 K3 24.48	237.14	-1.07	K2 0.06 K3 0.11	-0.01
6-21-57	K2 7.98 K3 24.62	237.13	-1.08	K2 0.04 K3 0.14	-0.01
6-24-57	K2 8.11 K3 [illegible]	237.12	-1.09	K2 0.13 K3 0.16	-0.01
6-26-57	K2 8.15 K3 25.01	237.12	-1.09	K2 0.04 K3 0.10	0.00
6-27-57	K2 8.18 K3 25.11	237.12	-1.09	K2 0.03 K3 0.10	0.00
		DISCONTINUED		K-3 Covered	

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Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed C. Johnson

F. B. 153 Pg.

"K" LINE (K2 - K3)

K-1 K-6

K-2 5' OFFSETS

K-3

DATE	TOTAL OFFSET	DISTANCE	TOTAL	LINE	PERIOD STATION

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F. B. 249 PG. 154

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	LINE	PERIOD SPREAD

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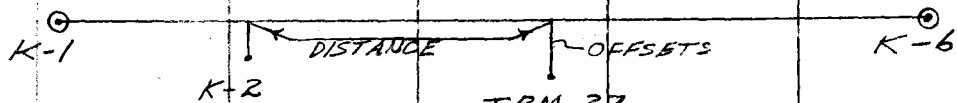
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 38 St'd. 84 °F
Office Work	Surveyed by H. R. STOCK
Checked	Notes RICHARDS Date 11-19-56
Date	Indexed C. Johnson

F. B. 947 PG. 155

COMPARISON SHEET
"K"-LINE (T.B.M.-27)



DATE	TOTAL OFFSETS	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
11-19-56	9.61	83.69	—	—	—
11-20-56	9.61	83.69	—	—	—
11-23-56	9.61	83.69	—	—	—
11-26-56	9.61	83.69	—	—	—
11-27-56	9.61	83.69	—	—	—
11-28-56	9.61	83.69	—	—	—
11-29-56	9.61	83.67	—	—	—
12-09-56	9.61	83.65	-0.04	—	0.04
12-05-56	9.61	83.65	-0.04	—	0.00
12-10-56	9.61	83.65	-0.04	—	0.00
12-11-56	9.57	83.64	-0.05	-0.09	-0.01
12-12-56	9.57	83.62	-0.07	0.00	-0.02
12-13-56	9.57	83.62	-0.07	0.00	0.00
12-14-56	9.57	83.60	-0.09	0.00	-0.02
12-17-56	9.57	83.60	-0.07	0.00	0.00
12-18-56	9.57	83.58	-0.11	0.00	-0.02
12-19-56	9.57	83.56	-0.13	0.00	-0.02
—	—	—	—	—	—
12-21-56	9.57	83.55	-0.14	0.00	-0.01
12-26-56	9.51	83.55	-0.14	-0.06	-0.00
12-27-56	9.51	83.52	-0.17	0.00	-0.03
12-28-56	9.51	83.52	-0.17	0.00	0.00
1-2-57	9.50	83.51	-0.18	-0.01	-0.01
1-3-57	9.50	83.50	-0.19	0.00	-0.01
1-4-57	9.50	83.50	-0.19	0.00	0.00
1-8-57	9.49	83.48	-0.21	-0.01	-0.02
1-10-57	9.48	83.47	-0.22	-0.01	-0.01
1-11-57	9.48	83.47	-0.22	0.00	0.00
1-13-57	9.48	83.47	-0.22	0.00	0.00

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76F309S S&E #247. 8-54

F.B. 949 PG. 156

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
1-14-57	9.48	83.47	-0.22	0.00	0.00
1-15-57	9.48	83.45	-0.24	0.00	-0.02
1-16-57	9.48	83.43	-0.26	0.00	0.02
1-17-57	9.48	83.43	-0.26	0.00	0.00
1-18-57	9.48	83.41	-0.28	0.00	-0.02
1-21-57	9.48	83.41	-0.28	0.00	0.00
1-22-57	9.48	83.41	-0.28	0.00	0.00
1-23-57	9.48	83.41	-0.28	0.00	0.00
1-24-57	9.48	83.41	-0.28	0.00	0.00
1-25-57	9.48	83.41	-0.28	0.00	0.00
1-28-57	9.48	83.39	-0.30	0.00	-0.02
1-30-57	9.46	83.39	-0.30	-0.02	0.00
1-31-57	9.44	83.39	-0.30	-0.02	0.00
2-1-57	9.44	83.38	-0.31	0.00	-0.01
2-4-57	9.42	83.36	-0.33	-0.02	-0.02
2-5-57	9.42	83.36	-0.33	0.00	0.00
2-6-57	9.42	83.36	-0.33	0.00	0.00
2-7-57	9.42	83.36	-0.33	0.00	0.00
2-8-57	9.42	83.36	-0.33	0.00	0.00
2-11-57	9.41	83.33	-0.36	0.01	-0.03
2-13-57	9.34	83.32	-0.37	-0.07	-0.01
2-14-57	9.33	83.31	-0.38	-0.01	-0.01
2-15-57	9.33	83.31	-0.38	0.00	0.00
2-18-57	9.32	83.31	-0.38	-0.01	0.00
2-19-57	9.29	83.31	-0.38	-0.03	0.00
2-20-57	9.29	83.31	-0.38	0.00	0.00
2-21-57	9.29	83.31	-0.38	0.00	0.00
2-25-57	9.27	83.29	-0.40	-0.02	-0.02
2-26-57	9.26	83.29	-0.40	-0.01	0.00
2-27-57	9.25	83.28	-0.41	-0.01	-0.01
3-1-57	9.25	83.28	-0.41	0.00	0.00
3-4-57	9.23	83.27	-0.44	-0.02	-0.03
3-5-57	9.22	83.25	-0.44	-0.01	0.00
3-6-57	9.20	83.25	-0.44	-0.02	0.00
3-7-57	9.16	83.25	-0.44	-0.04	0.00
3-8-57	9.16	83.24	-0.45	0.00	-0.01
3-11-57	9.14	83.23	-0.46	-0.02	-0.01

(CONT. ON PG.)

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Map No.	W. O. 030-00 Tape No. 93 St'd. 84 °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed C. Johnson

F. B. 157 PG.

CONTAINING SHEET
"K" LINE (K2 - T.B.M. #27)
(CONT. FROM PG. 132)

K-1 K2 T.B.M. 27 OFFSETS K6

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-12-57	9.11	83.23	-0.46	-0.03	0.00
3-13-57	9.11	83.23	-0.46	0.00	0.00
3-14-57	9.09	83.23	-0.46	-0.02	0.00
3-15-57	9.09	83.23	-0.46	0.00	0.00
3-18-57	9.06	83.21	-0.48	-0.03	-0.02
3-19-57	9.06	83.21	-0.48	0.00	0.00
3-20-57	9.05	83.21	-0.48	-0.01	0.00
3-21-57	9.05	83.21	-0.48	0.00	0.00
3-22-57	9.05	83.21	-0.48	0.00	0.00
3-25-57	9.03	83.19	-0.50	-0.02	-0.02
3-26-57	9.03	83.19	-0.50	0.00	0.00
3-27-57	9.02	83.19	-0.50	-0.01	0.00
3-28-57	9.01	83.19	-0.50	-0.01	0.00
3-29-57	8.99	83.18	-0.51	-0.02	-0.01
4-2-57	8.97	83.17	-0.52	-0.02	-0.01
4-3-57	8.96	83.17	-0.52	-0.01	0.00
4-4-57	8.94	83.17	-0.52	-0.02	0.00
4-5-57	8.92	83.17	-0.52	-0.02	0.00
4-8-57	8.91	83.17	-0.52	-0.01	0.00
4-9-57	8.91	83.16	-0.53	0.00	-0.01
4-10-57	8.89	83.16	-0.53	-0.02	0.00
4-11-57	8.89	83.16	-0.53	0.00	0.00
4-12-57	8.88	83.16	-0.53	-0.01	0.00
4-15-57	8.86	83.15	-0.54	-0.02	-0.01
4-16-57	8.85	83.15	-0.54	-0.01	0.00
4-17-57	8.85	83.15	-0.54	0.00	0.00
4-18-57	8.85	83.15	-0.54	0.00	0.00
4-19-57	8.83	83.15	-0.54	-0.02	0.00
4-22-57	8.79	83.14	-0.55	-0.04	-0.01

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76F309S S&E #247. 8-54

F. B. 949 PG. 158

DATE	TOTAL EFFECT	TOTAL DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
4-23-57	8.79	83.14	-0.55	0.00	0.00
4-24-57	8.78	83.14	-0.55	-0.01	0.00
4-25-57	8.78	83.14	-0.55	0.00	0.00
4-26-57	8.76	83.14	-0.55	-0.02	0.00
4-29-57	8.74	83.13	-0.56	-0.02	-0.01
4-30-57	8.74	83.13	-0.56	0.00	0.00
5-1-57	8.73	83.13	-0.56	-0.01	0.00
5-2-57	8.71	83.13	-0.56	-0.02	0.00
5-3-57	8.70	83.13	-0.56	-0.01	0.00
5-6-57	8.67	83.13	-0.56	-0.03	0.00
5-7-57	8.67	83.13	-0.56	0.00	0.00
5-8-57	8.66	83.12	-0.57	-0.01	-0.01
5-9-57	8.66	83.12	-0.57	0.00	0.00
5-10-57	8.63	83.12	-0.57	-0.03	0.00
5-13-57	8.62	83.12	-0.57	-0.01	0.00
5-14-57	8.61	83.12	-0.57	-0.01	0.00
5-15-57	[illegible]	83.12	-0.57	-0.02	0.00
5-16-57	8.59	83.11	-0.58	0.00	-0.01
5-17-57	8.57	83.11	-0.58	-0.02	0.00
5-20-57	8.55	83.11	-0.58	-0.02	0.00
5-21-57	8.53	83.11	-0.58	-0.02	0.00
5-22-57	8.51	83.11	-0.58	-0.02	0.00
5-23-57	8.51	83.11	-0.58	-0.00	0.00
5-24-57	8.51	83.10	-0.59	0.00	-0.01
5-27-57	8.48	83.10	-0.59	-0.03	-0.00
5-28-57	8.47	83.10	-0.59	-0.01	-0.00
5-29-57	8.46	83.10	-0.59	-0.01	0.00
6-3-57	8.44	83.10	-0.59	-0.02	0.00
6-4-57	8.43	83.10	-0.59	-0.01	0.00
6-5-57	8.43	83.10	-0.59	0.00	0.00
6-6-57	8.43	83.10	-0.59	0.00	0.00
6-7-57	8.43	83.10	-0.59	0.00	0.00
6-10-57	8.40	83.10	-0.59	-0.03	0.00
6-12-57	8.38	83.10	-0.59	-0.02	0.00
6-14-57	8.35	83.09	-0.60	-0.03	-0.01
6-17-57	8.33	83.09	-0.60	-0.02	0.00
6-19-57	8.29	83.09	-0.60	-0.04	0.00

RETURN TO
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Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301.00 Tape No. 101 St'd. 8- °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed C. Johnson

F. B. 157 PG.

"K" LINE (4-2 to T.B.M. #27)

K-1 K-6

K-2 T.B.M. #27

DATE	TOTAL OFFSET	DISTANCE K2 TO T.B.M.	TOTAL SPREAD	LINE	PERIOD SPREAD
6-21-57	8.26	83.09	-0.60	-0.03	0.00
M 6-24-57	8.26 1.35	83.09	-0.60	-0.03	0.00
W 6-26-57	1.35	83.09	-0.60	0.00	0.00
T 6-27-57	T.B.M. #27 1.36	83.09	-0.61	#27 0.01	0.01
	K-2 8.18			K-2 0.03	
	STARTING Here K-2 offsets T.B.M. #27 Used as Fix				
F 6-28-57	K-2 9.62	83.09	-0.61	0.00	0.00
M 7-1-57	K-2 9.74	83.09	0.00	0.12	0.00
T 7-2-57	K-2 9.76	83.09	0.00	0.02	0.00
7-3-57	K-2 9.80	83.09	0.00	0.04	0.00
7-8-57	K-2 9.99	83.08	-0.01	0.09	-0.01
7-9-57	K-2 10.03	83.08	-0.01	0.04	0.00
7-10-57	K-2 10.07	83.08	-0.01	0.04	0.00
7-11-57	K-2 10.11	83.08	-0.01	0.04	0.00
7-12-57	K-2 10.14	83.08	-0.01	0.03	0.00
7-15-57	K-2 10.27	83.08	-0.01	0.13	0.00
7-16-57	K-2 10.31	83.08	-0.01	0.04	0.00
7-17-57	K-2 10.33	83.07	-0.02	0.02	-0.01
7-18-57	10.38	83.07	-0.02	0.05	0.00
7-19-57	10.41	83.06	-0.03	0.03	-0.01
7-23-57	10.56	83.08	-0.01	0.15	+0.02
7-25-57	10.67	83.08	-0.01	0.11	0.00
7-26-57	10.69	83.08	-0.01	0.02	0.00
7-29-57	10.82	83.08	-0.01	0.13	0.00
7-30-57	10.87	83.08	-0.01	0.05	0.00
7-31-57	10.90	83.08	-0.01	0.03	0.00
8-1-57	10.94	83.08	-0.01	0.04	0.00
8-2-57	10.98	83.08	-0.01	0.04	0.00

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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

F.B. 222 PG. 160

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
8-5-57	11.09	83.08	-0.01	0.11	0.00
8-6-57	11.17	83.06	-0.03	0.02	0.09
8-8-57	11.27	83.08	-0.01	0.10	+0.02
8-9-57	11.29	83.08	-0.01	0.02	0.00
8-12-57	11.42	83.08	-0.01	0.13	0.00
8-13-57	11.46	83.09	0.00	0.04	+0.01
8-14-57	11.49	83.08	-0.01	0.03	-0.01
8-15-57	11.54	83.09	0.00	0.05	+0.01
8-16-57	11.57	83.10	+0.01	0.03	+0.01
8-19-57	11.69	83.09	0.00	0.12	-0.01
8-20-57	11.72	83.09	0.00	0.03	0.00
8-21	11.75	83.08	-0.01	0.03	-0.01

Cont to F.B. 950-21

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 2301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. R. [illegible]
Checked	Notes [illegible] Date 10-[illegible]-56
Date	Indexed C. Johnson

F. B. 747 PG. 161

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10-15-56	[illegible]	[illegible]	[illegible]	[illegible]	+0.[illegible]
10-16-56	K4 1.30 K5 0.00	256.59	0.35	K4 0.10 K5 0.00	+0.05
10-17-56	K4 1.36 K5 0.00	256.59	0.35	K4 0.06 K5 0.00	0.00
10-18-56	K4 1.47 K-5 0.00	256.60	0.36	K4 0.11 K5 0.00	+0.01
10-19-56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-23-56	K4 1.91 K5 0.05	256.73	0.49	K4 0.09 K5 0.02	0.00
10-24-56	K-4 1.92 K-5 0.01	256.75	0.51	K-4 0.01 K-5 -0.04	+0.02
10-25-56	[illegible]	[illegible]	[illegible]	[illegible]	0.00
10-26-56	K-4 2.12 K-5 0.05	256.79	0.55	K4 0.00 K-5 -0.08	+0.04
10-29-56	K4 2.34 K5 0.01	[illegible]	[illegible]	[illegible]	0.07
10-30-56	[illegible]	[illegible]	[illegible]	K4 0.12 K5 0.03	0.04
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00

76F3095 S&E #247. 8-54

F.B. 949 Pg. 162

Date	Total Offset	Distance	Total Offset	Total Offset	Total Offset
11-1-56	[illegible]	256.94	0.70	[illegible]	0.04
11-2-56	K4 2.73 K5 0.04	256.88	0.64	K4 0.15 K5 0.00	0.00
11-5-56	K4 2.95 K5 0.04	257.01	0.77	K4 0.22 K5 0.00	0.15
11-7-56	K4 3.11 K5 0.04	257.08	0.84	K4 0.16 K5 0.00	0.07
11-8-56	K4 3.18 K5 0.04	257.14	0.90	K4 0.07 K5 0.00	0.06
11-9-56	K4 3.22 K5 [illegible]	257.14	0.90	K4 0.14 K5 0.00	0.00
11-13-56	K-4 3.64 K-5 0.04	257.21	0.97	K-4 0.32 K-5 0.00	0.05
11-14-56	K-4 3.71 K-5 0.04	257.21	0.97	K-4 0.07 K-5 0.00	0.00
11-15-56	K-4 3.82 K-5 0.04	—	—	K-4 0.11 K-5 0.00	—
11-16-56	K-4 3.92 K-5 0.04	257.26	1.02	K-4 0.10 K-5 0.00	0.05
11-19-56	K-4 4.19 K-5 0.04	257.38	1.14	K-4 0.27 K-5 0.00	0.12
11-20-56	K-4 4.26 K-5 0.04	257.38	1.14	K-4 0.07 K-5 0.00	0.00
11-23-56	K-4 4.51 K-5 0.04	257.44	1.20	K-4 0.25 K-5 0.00	0.06
11-26-56	K-4 4.78 K-5 0.04	257.48	1.24	K-4 0.27 K-5 0.00	0.04
11-27-56	K-4 4.95 K-5 0.04	257.53	1.29	K-4 0.17 K-5 0.00	0.05
11-28-56	K-4 5.01 K-5 0.04	257.53	1.29	K-4 0.06 K-5 0.00	0.00
11-29-56	K-4 5.14 K-5 0.04	257.55	1.31	K-4 0.13 K-5 0.00	0.02
11-30-56	K-4 5.22 K-5 0.04	257.63	1.39	K-4 0.08 K-5 0.00	0.08
12-3-56	K-4 5.50 K-5 0.04	257.69	1.45	K-4 0.28 K-5 0.00	0.06
12-4-56	K-4 5.61 K-5 0.04	257.71	1.47	K-4 0.11 K-5 0.00	0.02
12-5-56	K-4 5.72 K-5 0.04	257.73	1.49	K-4 0.11 K-5 0.00	0.02
12-6-56	K-4 5.80 K-5 0.04	257.73	1.49	K-4 0.08 K-5 0.00	0.00
12-7-56	K-4 5.90 K-5 0.04	257.82	1.58	K-4 0.10 K-5 0.00	0.09

(SEE NEXT PAGE)

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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 138 St'd. 84 °F
Office Work	Surveyed by H. D. STOCK
Checked	Notes RICHARDS Date 12-7-56
Date	Indexed K. C. Johnson

F. B. [illegible] PG. 163

(CONT. FROM PG. 134)

K-1 K-4 OFFSETS K-5 K-6

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
9-27-56	-	256.24			
12-10-56	K-4 6.18 K-5 0.04	257.25	1.61	K-4 0.28 K-5 0.00	0.03
12-11-56	K-4 6.27 K-5 0.04	257.88	1.64	K-4 0.09 K-5 0.00	0.03
12-12-56	K-4 6.36 K-5 0.04	257.92	1.68	K-4 0.09 K-5 0.00	0.04
12-13-56	K-4 6.47 K-5 0.04	257.96	1.72	K-4 0.11 K-5 0.00	0.04
12-14-56	K-4 6.58 K-5 0.04	257.99	1.75	K-4 0.11 K-5 0.00	0.03
12-17-56	K-4 6.85 K-5 0.04	258.07	1.83	K-4 0.27 K-5 0.00	0.08
12-18-56	K-4 6.96 K-5 0.04	258.13	1.89	K-4 0.11 K-5 0.00	0.06
12-19-56	K-4 7.09 K-5 0.04	258.13	1.89	K-4 0.13 K-5 0.00	0.00
12-20-56	K-4 7.19 K-5 0.04	—	—	K-4 0.10 K-5 0.00	—
12-21-56	K-4 7.29 K-5 0.04	258.16	1.92	K-4 0.10 K-5 0.00	0.03
12-26-56	K-4 7.78 K-5 0.03	258.23	1.99	K-4 0.49 K-5 0.01	0.07
12-27-56	K-4 7.89 K-5 0.01	258.25	2.01	K-4 0.11 K-5 -0.02	0.02
12-28-56	K4 8.02 K5 0.01	258.32	2.08	K-4 0.13 K-5 0.00	0.07
1-2-57	K4 8.48 K5 0.01	258.50	2.26	K4 0.46 K-5 0.00	0.18
1-3-57	K4 8.61 K5 0.01	258.53	2.29	K4 0.13 K5 0.00	0.03
1-4-57	K4 8.70 K5 0.02	258.53	2.29	K4 0.09 K5 0.01	0.00
1-8-57	K4 9.07 K5 0.02	258.69	2.45	K4 0.37 K5 0.00	0.16
1-10-57	K4 9.30 K5 0.02	258.72	2.48	K4 0.23 K5 0.00	0.03

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76F3095 S&E #247. 8-54

F. B. 949 PG. 164

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
1-11-57	K4 9.36 K5 0.02	258.75	2.51	K4 0.06 K5 0.00	0.03
1-13-57	K4 9.64 K5 0.02	258.80	2.56	K4 0.28 K5 0.00	0.05
1-14-57	K4 9.68 K5 0.02	258.83	2.61	K4 0.04 K5 0.00	0.05
1-15-57	K4 9.72 K5 0.00	258.87	2.63	K4 0.04 K5 0.02	0.02
1-16-57	K4 9.82 K5 0.00	258.87	2.63	K4 0.10 K5 0.00	0.00
1-17-57	K4 9.97 K5 0.03	258.89	2.65	K4 0.12 K5 0.00	0.02
1-18-57	K4 10.05 K5 0.00	258.98	2.74	K4 0.11 K5 0.00	0.09
1-21-57	K4 10.39 K5 0.00	259.05	2.81	K4 0.34 K5 0.00	0.07
1-22-57	K4 10.49 K5 0.00	259.07	2.83	K4 0.10 K5 0.00	0.02
1-23-57	K4 10.56 K5 0.00	259.10	2.86	K4 0.07 K5 0.00	0.03
1-24-57	K4 10.66 K5 0.00	259.12	2.88	K4 0.10 K5 0.00	0.02
1-25-57	K4 10.77 K5 0.00	259.16	2.92	K4 0.11 K5 0.00	0.04
1-28-57	K4 11.07 K5 0.00	259.22	2.98	K4 0.30 K5 0.00	0.06
1-30-57	K4 11.27 K5 0.00	259.27	3.03	K4 0.20 K5 0.00	0.05
1-31-57	K4 11.36 K5 0.00	259.30	3.06	K4 0.09 K5 0.00	0.03
2-1-57	K4 11.49 K5 0.00	259.36	3.12	K4 0.13 K5 0.00	0.06
2-4-57	K4 11.79 K5 0.00	259.44	3.20	K4 0.30 K5 0.00	0.08
2-5-57	K4 11.89 K5 0.00	259.47	3.23	K4 0.10 K5 0.00	0.03
2-6-57	K4 12.00 K5 0.00	259.52	3.28	K4 0.11 K5 0.00	0.05
2-7-57	K4 12.09 K5 0.00	259.54	3.30	K4 0.09 K5 0.00	0.02
2-8-57	K4 12.20 K5 0.00	259.57	3.33	K4 0.11 K5 0.00	0.03
2-11-57	K4 12.50 K5 0.00	259.62	3.38	K4 0.30 K5 0.00	0.05
2-13-57	K4 12.70 K5 -0.01	259.72	3.48	K4 0.20 K5 -0.01	0.10
2-14-57	K4 12.76 K5 -0.03	259.74	3.50	K4 0.06 K5 -0.02	0.02
2-15-57	K4 12.85 K5 -0.03	259.76	3.52	K4 0.09 K5 0.00	0.02

(CONT. ON PG)

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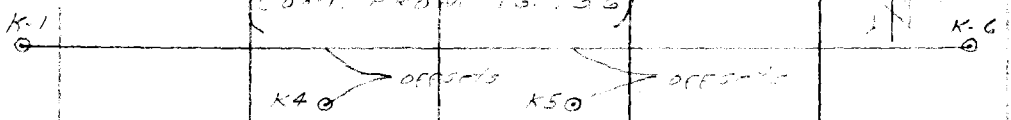
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 93 St'd. 84 °F
Office Work	Surveyed by
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson

F. B. 747 PG. 165

COMPARISON SHEET
"K" LINE (K4 - K5)
(CONT. FROM PG. 136)



DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	LINE	PERIOD SPREAD
2-18-57	K4 13.18 K5 -0.04	259.86	3.62	K4 0.33 K5 -0.01	0.10
2-19-57	K4 13.25 K5 -0.05	259.91	3.67	K4 0.07 K5 -0.01	0.05
2-20-57	K4 13.35 K5 -0.05	259.91	3.67	K4 0.10 K5 0.00	0.00
2-21-57	K4 13.45 K5 -0.05	259.95	3.71	K4 0.10 K5 0.00	0.04
2-25-57	K4 13.85 K5 -0.05	260.04	3.80	K4 0.40 K5 0.00	0.09
2-26-57	K4 13.94 K5 -0.05	260.07	3.83	K4 0.09 K5 0.00	0.03
2-27-57	K4 14.03 K5 -0.05	260.09	3.85	K4 0.09 K5 0.00	0.02
3-1-57	K4 14.25 K5 -0.05	260.16	3.92	K4 0.22 K5 0.00	0.07
3-4-57	K4 14.57 K5 -0.06	260.26	4.02	K4 0.32 K5 -0.01	0.10
3-5-57	K4 14.67 K5 -0.06	260.28	4.04	K4 0.10 K5 0.00	0.02
3-6-57	K4 14.76 K5 -0.06	260.31	4.07	K4 0.09 K5 0.00	0.03
3-7-57	K4 14.86 K5 -0.06	260.32	4.08	K4 0.10 K5 0.00	0.01
3-8-57	K4 14.96 K5 -0.06	260.36	4.12	K4 0.10 K5 0.00	0.04
3-11-57	K4 15.26 K5 -0.06	260.47	4.23	K4 0.30 K5 0.00	0.11
3-12-57	K4 15.34 K5 -0.07	260.48	4.24	K4 0.08 K5 -0.01	0.01
3-13-57	K4 15.43 K5 -0.07	260.48	4.24	K4 0.09 K5 0.00	0.00
3-14-57	K4 15.55 K5 -0.07	260.50	4.26	K4 0.12 K5 0.00	0.02
3-15-57	K4 15.63 K5 -0.08	260.54	4.30	K4 0.08 K5 -0.01	0.04
3-18-57	K4 15.89 K5 -0.09	260.66	4.42	K4 0.26 K5 -0.01	0.12

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76F3095 S&E #247. 8-54

F. B. 949 PG. 166

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-19-57	K4 16.00 K5 -0.09	260.71	4.47	K4 0.11 K5 0.00	0.05
3-20-57	K4 16.10 K5 -0.09	260.71	4.47	K4 0.10 K5 0.00	0.00
3-21-57	K4 16.20 K5 -0.09	260.75	4.51	K4 0.10 K5 0.00	0.04
3-22-57	K4 16.29 K5 -0.09	TOO. WINDY		K4 0.09 K5 0.00	—
3-25-57	K4 16.54 K5 -0.10	260.86	4.62	K4 0.25 K5 -0.01	0.11
3-26-57	K4 16.64 K5 -0.10	260.89	4.65	K4 0.10 K5 0.00	0.03
3-27-57	K4 16.72 K5 -0.10	260.90	4.66	K4 0.08 K5 0.00	0.01
3-28-57	K4 16.78 K5 -0.11	260.91	4.67	K4 0.06 K5 -0.01	0.01
3-29-57	K4 16.88 K5 -0.12	260.95	4.71	K4 0.10 K5 -0.01	0.04
4-2-57	K4 17.22 K5 -0.13	261.02	4.78	K4 0.34 K5 -0.01	0.07
4-3-57	K4 17.29 K5 -0.13	261.05	4.81	K4 0.07 K5 0.00	0.03
4-4-57	K4 17.37 K5 -0.13	261.09	4.85	K4 0.08 K5 0.00	0.04
4-5-57	K4 17.46 K5 -0.13	261.12	4.88	K4 0.09 K5 0.00	0.03
4-8-57	K4 17.69 K5 -0.14	261.23	4.99	K4 0.23 K5 -0.01	0.11
4-9-57	K4 17.77 K5 -0.14	261.23	4.99	K4 0.08 K5 0.00	0.00
4-10-57	K4 17.87 K5 -0.14	261.26	5.02	K4 0.10 K5 0.00	0.03
4-11-57	K4 17.95 K5 -0.14	261.29	5.05	K4 0.08 K5 0.00	0.03
4-12-57	K4 18.02 K5 -0.14	261.30	5.06	K4 0.07 K5 0.00	0.01
4-15-57	K4 18.29 K5 -0.14	261.39	5.15	K4 0.27 K5 0.00	0.09
4-16-57	K4 18.36 K5 -0.14	261.40	5.16	K4 0.07 K5 0.00	0.01
4-17-57	K4 18.43 K5 -0.15	261.44	5.20	K4 0.07 K5 -0.01	0.04
4-18-57	K4 18.50 K5 -0.15	261.46	5.22	K4 0.07 K5 0.00	0.02
4-19-57	K4 18.58 K5 -0.16	261.47	5.23	K4 0.08 K5 -0.01	0.01
4-22-57	K4 18.82 K5 -0.18	261.55	5.31	K4 0.24 K5 -0.02	0.08
4-23-57	K4 18.89 K5 -0.18	261.57	5.33	K4 0.07 K5 0.00	0.02

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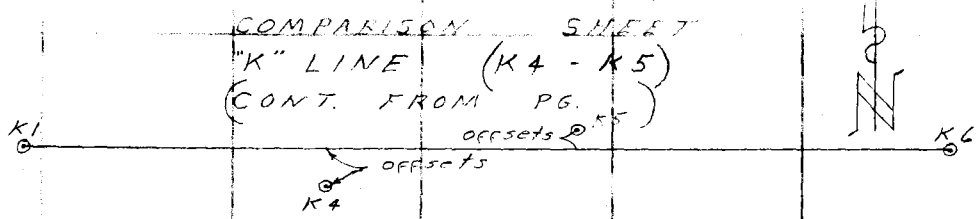
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301-00 Tape No. St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 4-'57
Date	Indexed C. Johnson

F. B. 215 PG. 167

COMPARISON SHEET
"K" LINE (K4 - K5)
(CONT. FROM PG.)



DATE	TOTAL OFFSET	DISTANCE K4-K5	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
4-24-57	K4 18.96 K5 -0.18	261.59	5.35	K4 0.07 K5 0.00	0.02
4-25-57	K4 19.04 K5 -0.18	261.61	5.37	K4 0.08 K5 0.00	0.02
4-26-57	—	—	—	—	—
4-29-57	K4 19.37 K5 -0.19	261.71	5.47	K4 0.33 K5 -0.01	0.10
4-30-57	K4 19.44 K5 -0.19	261.76	5.52	K4 0.07 K5 0.00	0.05
5-1-57	K4 19.51 K5 -0.19	261.78	5.54	K4 0.07 K5 0.00	0.02
5-2-57	K4 19.58 K5 -0.20	261.79	5.55	K4 0.07 K5 -0.01	0.01
5-3-57	K4 19.64 K5 -0.21	261.83	5.59	K4 0.06 K5 -0.01	0.04
5-6-57	K4 19.86 K5 -0.21	261.90	5.66	K4 0.22 K5 0.00	0.07
5-7-57	K4 19.93 K5 -0.21	261.92	5.68	K4 0.07 K5 0.00	0.02
5-8-57	K4 19.99 K5 -0.22	261.95	5.71	K4 0.06 K5 -0.01	0.03
5-9-57	K4 20.06 K5 -0.22	261.98	5.74	K4 0.07 K5 0.00	0.03
5-10-57	K4 20.14 K5 -0.22	262.00	5.76	K4 0.08 K5 0.00	0.02
5-13-57	K4 20.35 K5 -0.22	262.05	5.81	K4 0.21 K5 0.00	0.05
5-14-57	K4 20.42 K5 -0.22	262.05	5.81	K4 0.07 K5 0.00	0.00
5-15-57	K4 20.49 K5 -0.23	262.09	5.85	K4 0.07 K5 -0.01	0.04
5-16-57	K4 20.56 K5 -0.23	262.11	5.87	K4 0.07 K5 0.00	0.02
5-17-57	K4 20.64 K5 -0.23	262.14	5.90	K4 0.08 K5 0.00	0.03
5-20-57	K4 20.84 K5 -0.24	262.21	5.97	K4 0.20 K5 -0.01	0.07
5-21-57	K4 20.90 K5 -0.24	262.23	5.99	K4 0.06 K5 -0.00	0.02

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F.B. 779 PG. 168

DATE	TOTAL OFFSET	DISTANCE K4 - K5	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
5-22-57	K4 20.96 K5 -0.24	262.27	6.03	K4 0.06 K5 0.00	0.04
5-23-57	K4 21.03 K5 -0.24	262.29	6.05	K4 0.07 K5 0.00	0.02
5-24-57	K4 21.11 K5 -0.24	262.31	6.07	K4 0.08 K5 0.00	0.02
5-27-57	K4 21.32 K5 -0.24	262.37	6.13	K4 0.21 K5 0.00	0.06
5-28-57	K4 21.40 K5 -0.25	262.39	6.15	K4 0.08 K5 0.00	0.02
5-29-57	K4 21.47 K5 -0.25	262.43	6.19	K4 0.07 K5 0.00	0.04
6-3-57	K4 21.79 K5 -0.27	262.54	6.30	K4 0.32 K5 -0.02	0.11
6-4-57	K4 21.86 K5 -0.27	262.56	6.32	K4 0.07 K5 0.00	0.02
6-5-57	K4 21.92 K5 -0.27	262.57	6.33	K4 0.06 K5 0.00	0.01
6-6-57	K4 21.97 K5 -0.27	262.58	6.34	K4 0.05 K5 0.00	0.01
6-7-57	K4 22.05 K5 -0.27	262.61	6.37	K4 0.08 K5 0.00	0.03
6-10-57	K4 22.25 K5 -0.27	262.67	6.43	K-4 0.20 K-5 0.00	0.06
6-12-57	K4 22.37 K5 -0.27	262.72	6.48	K4 0.12 K5 0.00	0.05
6-14-57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6-17-57	K4 22.65 K5 -0.28	262.82	6.58	K4 0.15 K5 -0.01	0.06
6-19-57	K4 22.79 K5 -0.28	262.86	6.61	K4 0.14 K5 0.00	+0.03
6-21-57	K4 22.95 K5 -0.28	262.92	6.68	K4 0.16 K5 0.00	+0.07
6-24-57	K4 23.10 K5 -0.28	263.05	6.81	K4 0.15 K5 0.00	+0.13
6-26-57	K4 23.24 K5 0.31	263.04	6.80	K4 0.14 K5 0.03	-0.01
6-27-57	K4 K5 0.32	263.07	6.83	K4 K5 0.01	+0.03
6-28-57	K-5 0.05			K5 0.00	
	*	K-4 Recovered			
7-1-57	K4 24.22 K5 0.05	263.14	+6.90	K4 0.00 K5 0.00	+0.07

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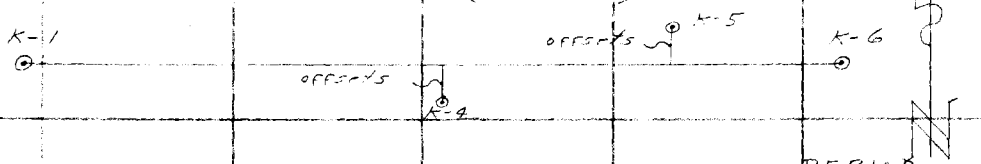
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301.00 Tape No. 101 St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 6-57
Date	Indexed C. Johnson

F. B. 747 PG. 1[illegible]

COMPARISON SHEET
"K" LINE (K4 - K5)



	DATE	TOTAL OFFSET		DISTANCE	TOTAL SPREAD	LINE	PERIOD SPREAD
T	7-2-57	K4	24.23	263.16	6.92	K4 0.01	+0.02
		K5	0.05			K5 0.00	
	7-3-57	K-4	24.23	263.20	6.96	K4 0.00	+0.04
		K5	0.05			K5 0.00	
	7-8-57	K4	24.56	263.27	7.03	K4 0.33	+0.07
		K5	0.05			K5 0.00	
	7-9-57	K4	24.59	263.28	7.04	K4 0.03	+0.01
		K5	0.05			K5 0.00	
	7-10-57	K4	24.67	263.28	7.04	K4 0.08	0.00
		K5	0.05			K5 0.00	
	7-11-57	K4	24.70	263.29	+7.05	K4 0.03	+0.01
		K5	0.05			K5 0.00	
	7-12-57	K4	24.80	263.29	+7.05	K4 0.10	0.00
		K5	0.05			K5 0.00	
	7-15-57	K4	25.[illegible]	263.39	+7.15	K4 0.20	[illegible].10
		K5	[illegible]			K5 [illegible]	
	7-16-57	K4	25.06	263.45	+7.21	K4 [illegible]	[illegible]
		K5	0.05			K5 [illegible]	
	7-17-57	K4	25.13	263.46	+7.22	K4 0.07	0.01
		K5	0.05			K5 0.00	
	7-18-57	K4	25.20	263.49	+7.25	K4 0.07	0.03
		K5	0.05			K5 0.00	
	7-19-57	K4	25.23	263.49	7.25	K4 0.23	0.00
		K5	0.05			K5 0.00	
	7-23-57	K4	25.46	263.55	+7.31	K4 0.23	0.06
		K5	0.05			K5 0.00	

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76F3096 6&E #247. 8-54

F. B. 719 PG. 170

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
7-25-57	K4 25.58 K5 0.05	263.60	+ 7.36	K4 0.12 K5 0.00	+ 0.05
7-26-57	K4 25.63 K5 0.05	263.62	+ 7.37	K4 0.07 K5 0.00	+ 0.02
7-29-57	K4 25.89 K5 0.05	263.68	+ 7.44	K4 0.24 K5 0.00	+ 0.06
7-30-57	K4 25.90 K5 0.05	263.69	+ 7.45	K4 0.01 K5 0.00	+ 0.01
7-31-57	K4 26.00 K5 0.05	263.72	+ 7.48	K4 0.10 K5 0.00	+ 0.03
8-1-57	K4 26.05 K5 0.05	263.73	+ 7.49	K4 0.05 K5 0.00	+ 0.01
8-2-57	K4 26.11 K5 0.05	263.82	+ 7.58	K4 0.06 K5 0.00	+ 0.09
8-5-57	K4 26.24 K5 0.05	263.85	+ 7.61	K4 0.13 K5 0.00	+ 0.03
8-6-57	K4 26.32 K5 0.05	263.85	+ 7.61	K4 0.08 K5 0.00	0.00
8-8-57	K4 26.42 K5 0.05	263.86	+ 7.62	K4 0.10 K5 0.00	+ 0.01
8-9-57	K4 26.47 K5 0.05	263.89	+ 7.65	K4 0.05 K5 0.00	+ 0.03
8-12-57	K4 26.65 K5 0.05	263.95	+ 7.71	K4 0.18 K5 0.00	+ 0.06
8-13-57	K4 26.73 K5 0.05	263.95	+ 7.71	0.08 0.00	0.00
8-15-57	K4 26.76 K5 0.05	263.98	+ 7.74	0.03 0.00	+ 0.03
8-16-57	K4 26.82 K5 0.05	264.00	+ 7.76	K4 0.06 K5 0.00	+ 0.02
8-19-57	K4 26.96 K5 0.05	264.06	+ 7.82	K4 0.14 K5 0.00	+ 0.06
8-20-57	K4 27.01 K5 0.05	264.09	+ 7.85	0.05 0.00	+ 0.03
8-21-57	K4 27.04 K5 0.05	264.13	+ 7.89	K4 0.03 K5 0.00	+ 0.04

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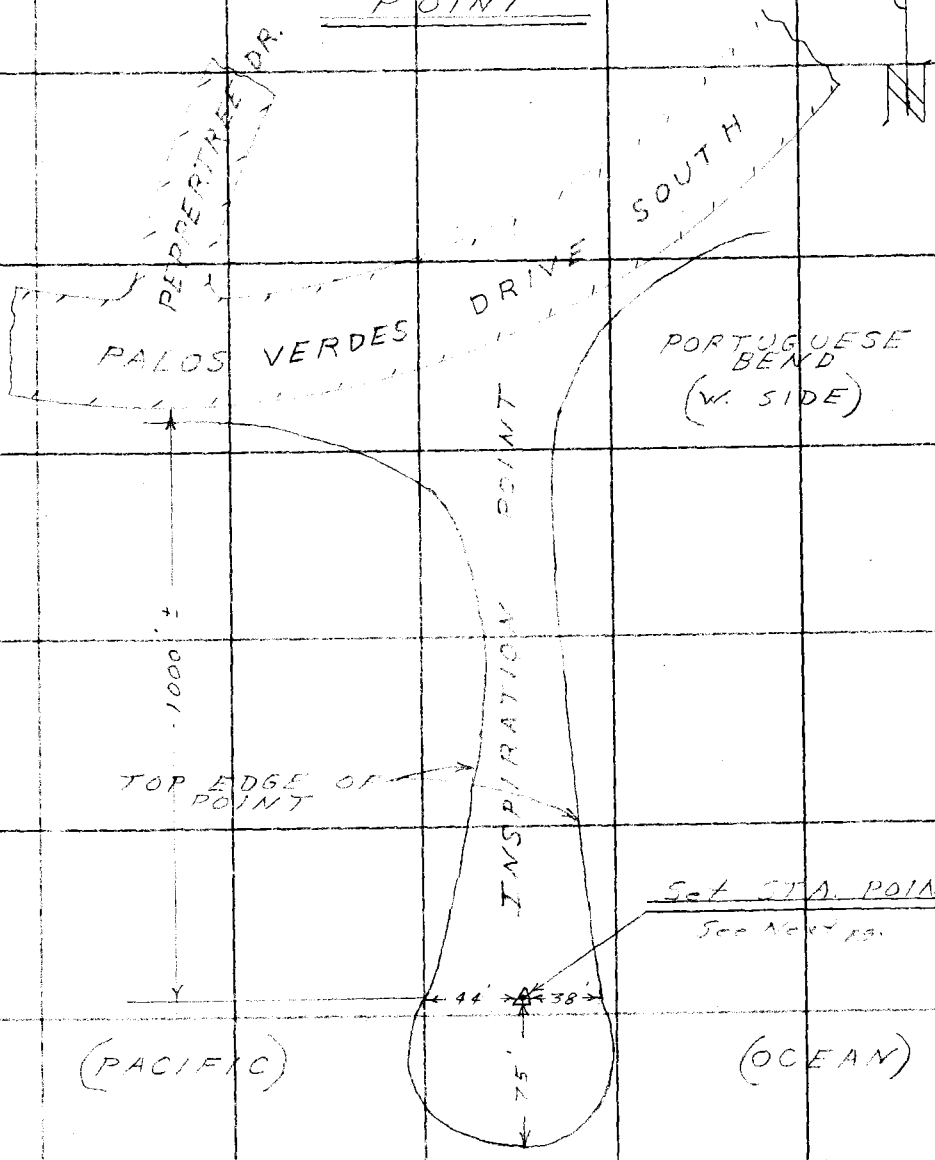
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0306.00 Tape No. 53 St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 5-10-57
Date	Indexed A. C. Johnson 10-30-57

F.B. [illegible] Pg. 171

PORTUGUESE BEND
SLIDE AREA
TRIANGULATION STATION
"POINT"



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76F309S S&E #247. 8-54

F.B. 777 PG. 172

— DESCRIPTION —
TRIANGULATION STATION
"POINT"

THIS station is in LOS ANGELES COUNTY, on the west side of the PORTUGUESE BEND area of the SAN PEDRO HILLS, on the SOUTH rim of INSPIRATION POINT.

STATION MARK: Set a std. 2" brass cap, COUNTY ENGINEER, precast concrete, monument, extending 3" above the ground and stamped "STA. POINT, 1957, R.E. 5869".

NO SUB. or REF. MONS. SET.

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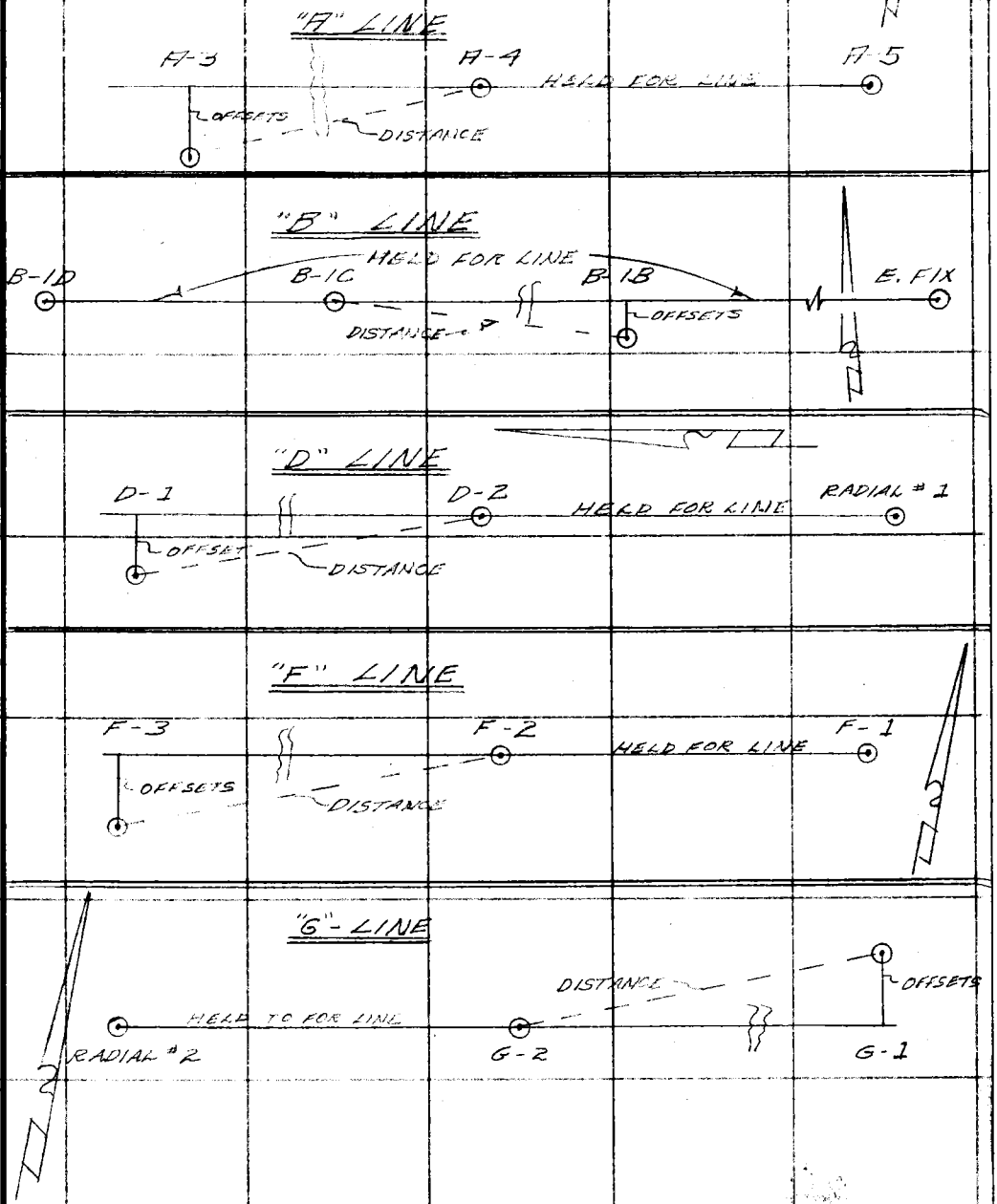
Notes Ck'd by	Survey of Geodetic Control
Map No.	JN 30100 Tape Std 84 °F
Office Work	Surveyed by
Checked	Notes RICHARDS Date 2-23-57
Date	Indexed A. C. Johnson 1-28-58

F. B. 949 PG. 173

PORTUGUESE BEND LANDSLIDE AREA DETAIL SHEET



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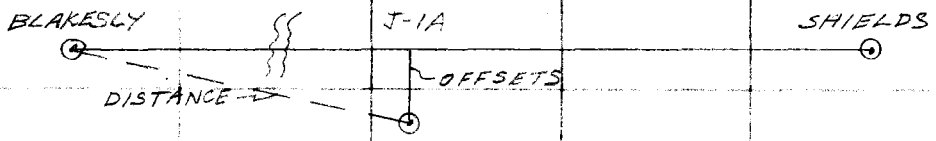
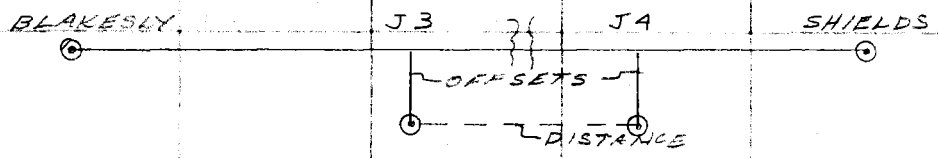
76F309S S&E #247 1-56

F. B. 949 Pg. 174

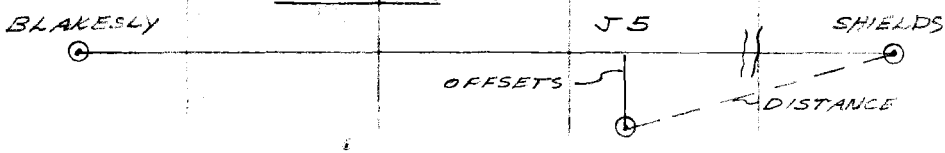
"J" LINE (BLAKESLY TO J-1A)



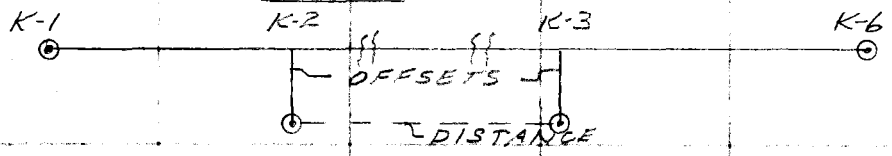
"J" LINE (J3 TO J4)



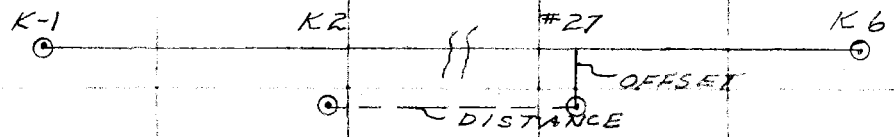
"J" LINE (J5 TO SHIELDS)



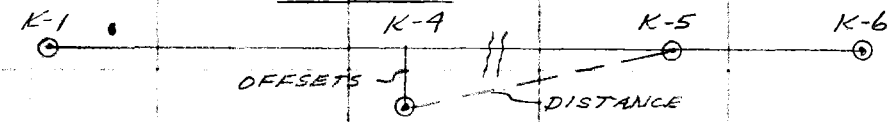
"K" LINE (K2 TO K3)



"K" LINE (K2 TO T.B.M. #27)



"K" LINE (K4 TO K5)



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Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 5-23-57
Date	Indexed A. C. Johnson 5-27-57

F. B. 949 Pg. 175

PORTUGUESE BEND SLIDE AREA

LOCATION OF CAISSONS

Line to STA. K-6

(CONT. ON BOT. NEXT PG.)

NOTE: CAISSONS are cylinders, 4 ft. in diam. and 20 ft long. They are sections of corrugated, galvanized iron pipe filled with concrete and reinforcing steel, and are shown thus ⊙.

Offsets were taken to center of hole in which they were set.

7.26

STA. K-2 = 5+00 = Assumed.

"K" LINE

NO. 6 Set on 5-17-57 ⊙ ← 17.5 → 2+41.3

NO. 5 Set on 5-10-57 ⊙ ← 18.8 → 2+26.3

Line to STA. K-1

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F.B. 919 PG. 176

LINE to STA. K-6

36.5 — 11+42.6

40.8 — 11+30.9

51.4 — 11+18.8

61.3 — 11+07

NOTE: The above are the first 4 caissons that were set 5-7. 2 were set on 5-22-57 and the other 2 on 4-20-57.

"K" LINE

No. 8
5-7 on 5-22-57 — 14.7 — 7+16

No. 7
5-7 on 5-22-57 — 17.5 — 7+01

Line to STA. K-1

(CONT. FROM PRECEEDING PAGE)

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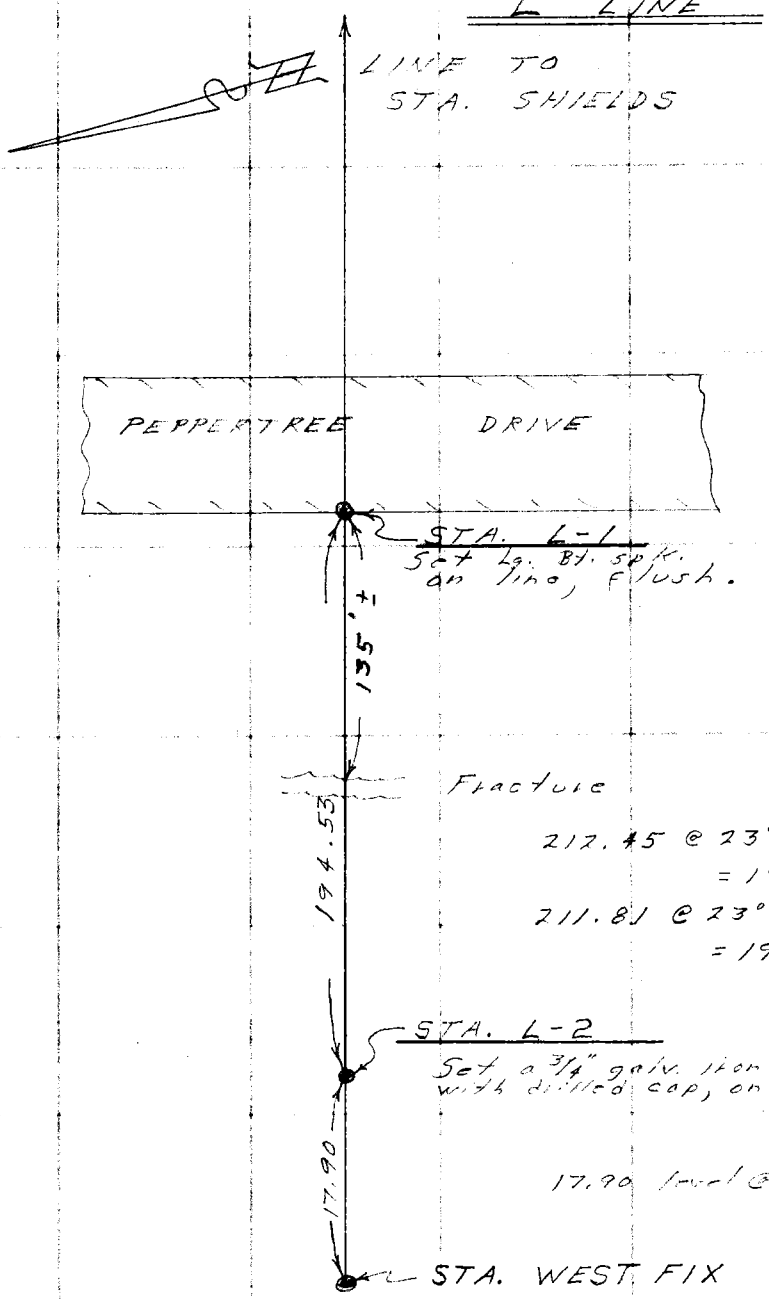
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 93 Std 83 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 2-6-57
Date	Indexed A. C. Johnson

F. B. 949 PG. 177

PORTUGUESE BEND SLIDE AREA

"L" LINE



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76F309S S&E #247 1-56

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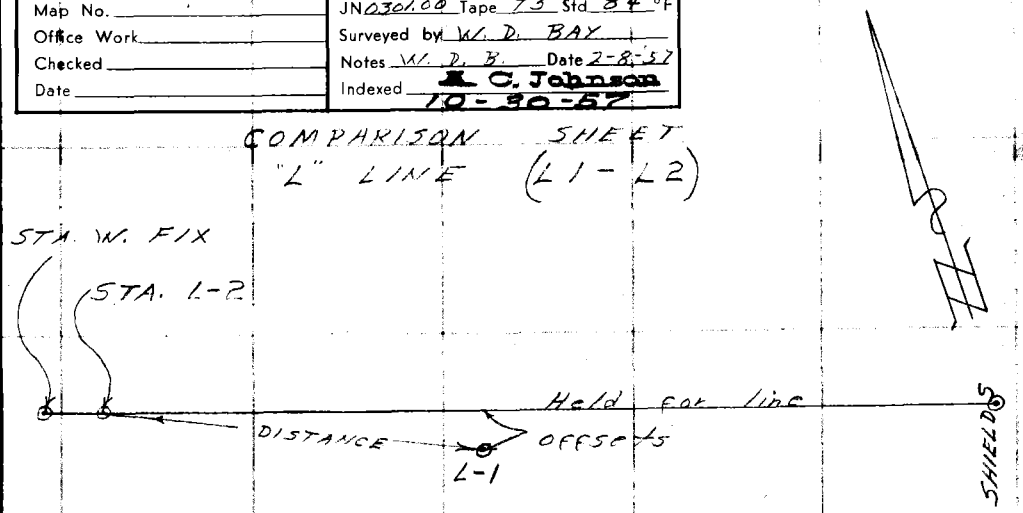
F.B. 948 Pg. 178

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape 93 Std 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 2-8-57
Date	Indexed K. C. Johnson 10-30-57

F. B. 949 PG. 179

COMPARISON SHEET
"L" LINE (L1 - L2)



DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
2-8-57	0.00	194.53	0.00	0.00	0.00
2-11-57	0.03	194.53	0.00	0.03	0.00
2-13-57	0.05	194.47	-0.04	0.02	-0.04
2-14-57	0.09	194.53	0.00	0.04	0.04
2-15-57	0.10	194.53	0.00	0.01	0.00
2-18-57	0.14	194.53	0.00	0.04	0.00
2-19-57	0.14	194.53	0.00	0.00	0.00
2-20-57	0.16	194.53	0.00	0.02	0.00
2-21-57	0.17	194.53	0.00	0.01	0.00
2-25-57	0.22	194.50	-0.03	0.05	-0.03
2-26 57	0.23	194.50	-0.03	0.01	0.00
2-27-57	0.25	194.48	-0.05	0.02	-0.02
3-1-57	0.25	194.48	-0.05	0.00	0.00
3-4-57	0.29	194.48	-0.05	0.04	0.00
3-5-57	0.32	194.46	-0.07	0.03	-0.02
3-6-57	0.34	194.44	-0.09	0.02	-0.02
3-7-57	0.34	194.44	-0.09	0.00	0.00
3-8-57	0.36	194.44	-0.09	0.02	0.00
3-11-57	0.39	194.44	-0.09	0.03	0.00
3-12-57	0.39	194.44	-0.09	0.00	0.00
3-13-57	0.39	194.44	-0.09	0.00	0.00
3-14-57	0.41	194.42	-0.11	0.02	-0.02
3-15-57	0.44	194.42	-0.11	0.03	0.00
3-18-57	0.47	194.45	-0.08	0.03	+0.03

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76F309S S&E #247 1-56

F. B. 949 Pg. 180

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
3-19-57	0.49	194.45	-0.08	0.02	0.00
3-20-57	0.50	194.45	-0.08	0.01	0.00
3-21-57	0.51	194.45	-0.08	0.01	0.00
3-22-57	0.52	TOO	WINDY	0.01	—
3-25-57	0.55	194.43	-0.10	0.03	-0.02
3-26-57	0.56	194.43	-0.10	0.01	0.00
3-28-57	0.60	194.43	-0.10	0.04	0.00
3-29-57	0.61	194.41	-0.12	0.01	-0.02
4-2-57	0.66	194.41	-0.12	0.05	0.00
4-3-57	0.66	194.39	-0.14	0.00	-0.02
4-4-57	0.68	194.39	-0.14	0.02	0.00
4-5-57	0.69	194.37	-0.16	0.01	-0.02
4-8-57	0.72	194.37	-0.16	0.03	0.00
4-9-57	0.72	194.36	-0.17	0.00	-0.01
4-10-57	0.74	194.36	-0.17	0.02	0.00
4-11-57	0.75	194.36	-0.17	0.01	0.00
4-12-57	0.77	194.38	-0.15	0.02	+0.02
4-15-57	0.80	194.38	-0.15	0.03	0.00
4-16-57	0.81	194.38	-0.15	0.01	0.00
4-17-57	0.83	194.38	-0.15	0.02	0.00
4-18-57	0.85	194.38	-0.15	0.02	0.00
4-19-57	0.86	194.38	-0.15	0.01	0.00
4-22-57	0.89	194.35	-0.18	0.03	-0.03
4-23-57	0.90	194.35	-0.18	0.01	0.00
4-24-57	0.91	194.34	-0.19	0.01	-0.01
4-25-57	0.93	194.34	-0.19	0.02	0.00
4-26-57	0.94	194.36	-0.17	0.01	0.02
4-29-57	0.96	194.36	-0.17	0.02	0.00
4-30-57	0.98	194.36	-0.17	0.02	0.00
5-1-57	0.99	194.34	-0.19	0.01	-0.02
5-2-57	1.01	194.34	-0.19	0.02	0.00
5-3-57	1.02	194.34	-0.19	0.01	0.00
5-6-57	1.04	194.33	-0.20	0.02	-0.01
5-7-57	1.05	194.33	-0.20	0.01	0.00
5-8-57	1.07	194.33	-0.20	0.02	0.00
5-9-57	1.09	194.33	-0.20	0.02	0.00
5-13-57	1.13	194.34	-0.19	0.04	0.01

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

Do not extend this side of this line.

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

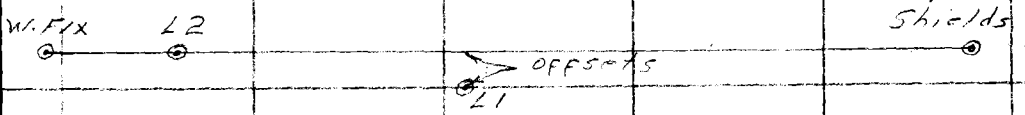
Notes Ck'd by	Survey of PORTUGUESE BEND
Map No.	W. O. 0301.00 Tape No. St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 5-'57
Date	Indexed C. Johnson

F. B. 747 PG. 181

COMPARISON SHEET

"L" LINE (L1 - L2)

(CONT FROM PG.)



DATE	TOTAL OFFSET	DISTANCE L1-L2	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
5-15-57	1.15	194.34	-0.19	0.02	0.00
5-17-57	1.17	194.34	-0.19	0.02	0.00
5-20-57	1.19	194.32	-0.21	0.02	-0.02
5-22-57	1.22	194.32	-0.21	0.03	0.00
5-24-57	1.28	194.32	-0.21	0.06	0.00
5-28-57	1.31	194.29	-0.24	0.03	-0.03
5-29-57	1.34	194.29	-0.24	0.03	0.00
6-3-57	1.38	194.29	-0.24	0.04	0.00
6-5-57	1.38	194.29	-0.24	0.00	0.00
6-7-57	1.39	194.29	-0.24	0.01	0.00
6-10-57	1.43	194.27	-0.26	0.04	-0.02
6-12-57	1.47	194.27	-0.26	0.04	0.00
6-[illegible]-57	1.48	194.29	-0.24	0.01	0.02
6-17-57	1.50	194.29	-0.24	0.02	0.00
6-19-57	1.51	194.29	-0.24	0.01	0.00
6-21-57	1.53	194.29	-0.24	0.02	0.00
T 6-25-57	1.59	194.36	0.31	0.06	0.07
W 6-26-57	1.65	194.32	0.27	0.06	-0.04
T 6-27-57	DISCONTINUED				

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

F. B. 949 Pg. 182

DATE	TOTAL OFFSET	DISTANCE L1-L2	TOTAL SPREAD	LINE	PERIOD SPREAD

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

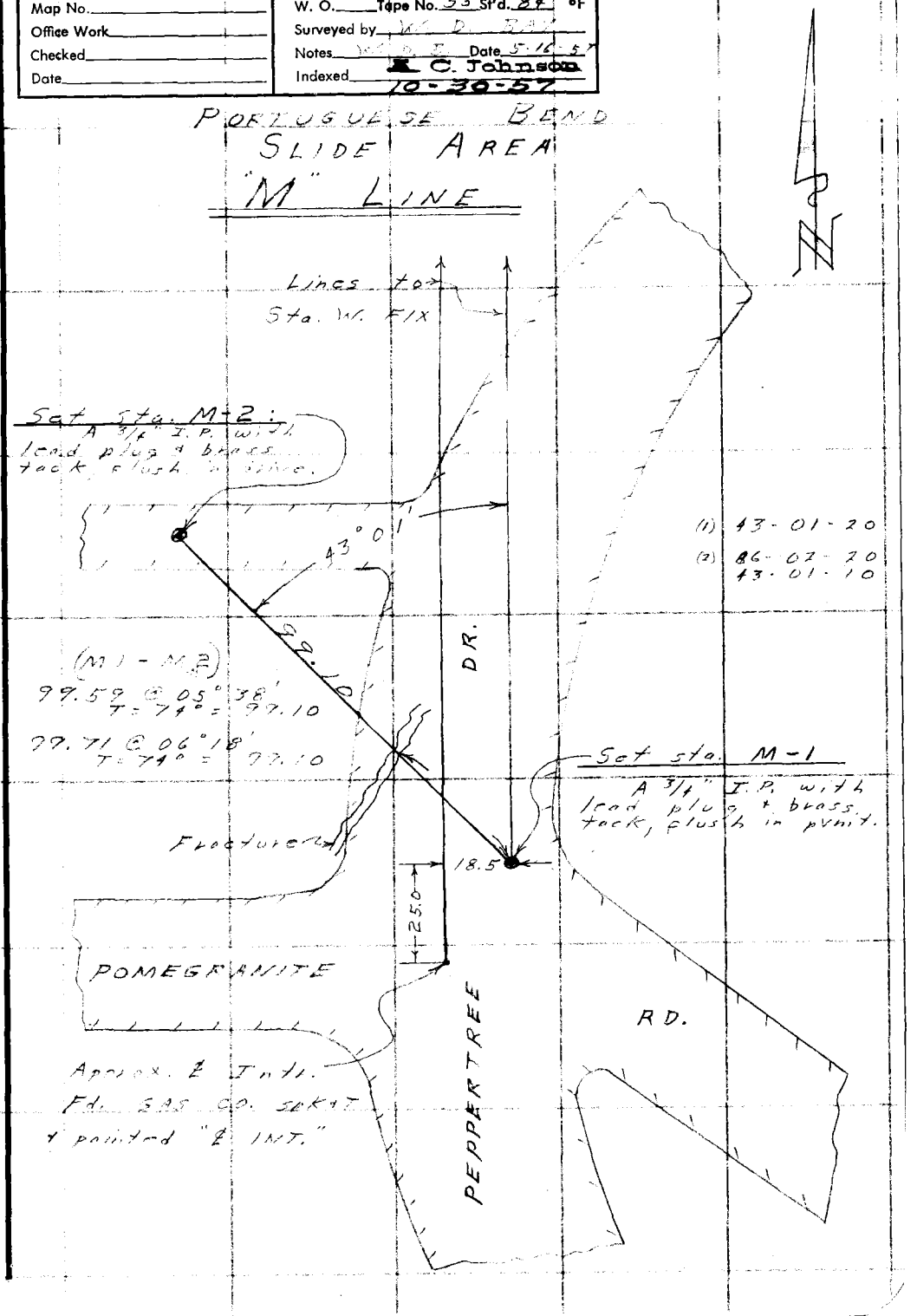
Do not extend notes this side of this line.

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 GEODETIC CONTROL
Map No.	W. O. 0301 04 Tape No. 53 St'd. 84 °F
Office Work	Surveyed by W. D. [illegible]
Checked	Notes W. D. [illegible] Date 5-16-57
Date	Indexed J. C. Johnson 10-30-57

F. B. 714 PG. 187

PORTUGUESE BEND
SLIDE AREA
"M" LINE



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

Do not extend notes this side of this line.

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

76F309S S&E #247. 8-54

F.B. 949 PG. 184

COMPARISON SHEET

M1 - M2

DATE	DISTANCE	Total Spread	PERIOD SPREAD
5-16-57	99.10	—	—
5-17-57	99.10	0.00	0.00
5-20-57	99.11	0.01	0.01
5-21-57	99.11	0.01	0.00
5-24-57	99.13	0.03	0.02
5-28-57	99.16	0.06	0.03
5-29-57	99.16	0.06	0.00
6-3-57	99.19	0.09	0.03
6-5-57	99.20	0.10	0.01
6-6-57	99.21	0.11	0.01
6-7-57	99.21	0.11	0.00
6-10-57	99.23	0.13	0.02
6-12-57	99.23	0.13	0.00
6-14-57	[illegible]	[illegible]	[illegible]
6-17-57	99.28	0.18	0.03
6-19-57	99.29	0.19	0.01
6-21-57	99.30	0.20	0.01
M 6-24-57	99.30	0.20	0.00
W 6-26-57	99.31	0.21	0.01
	DISCONTINUED		

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

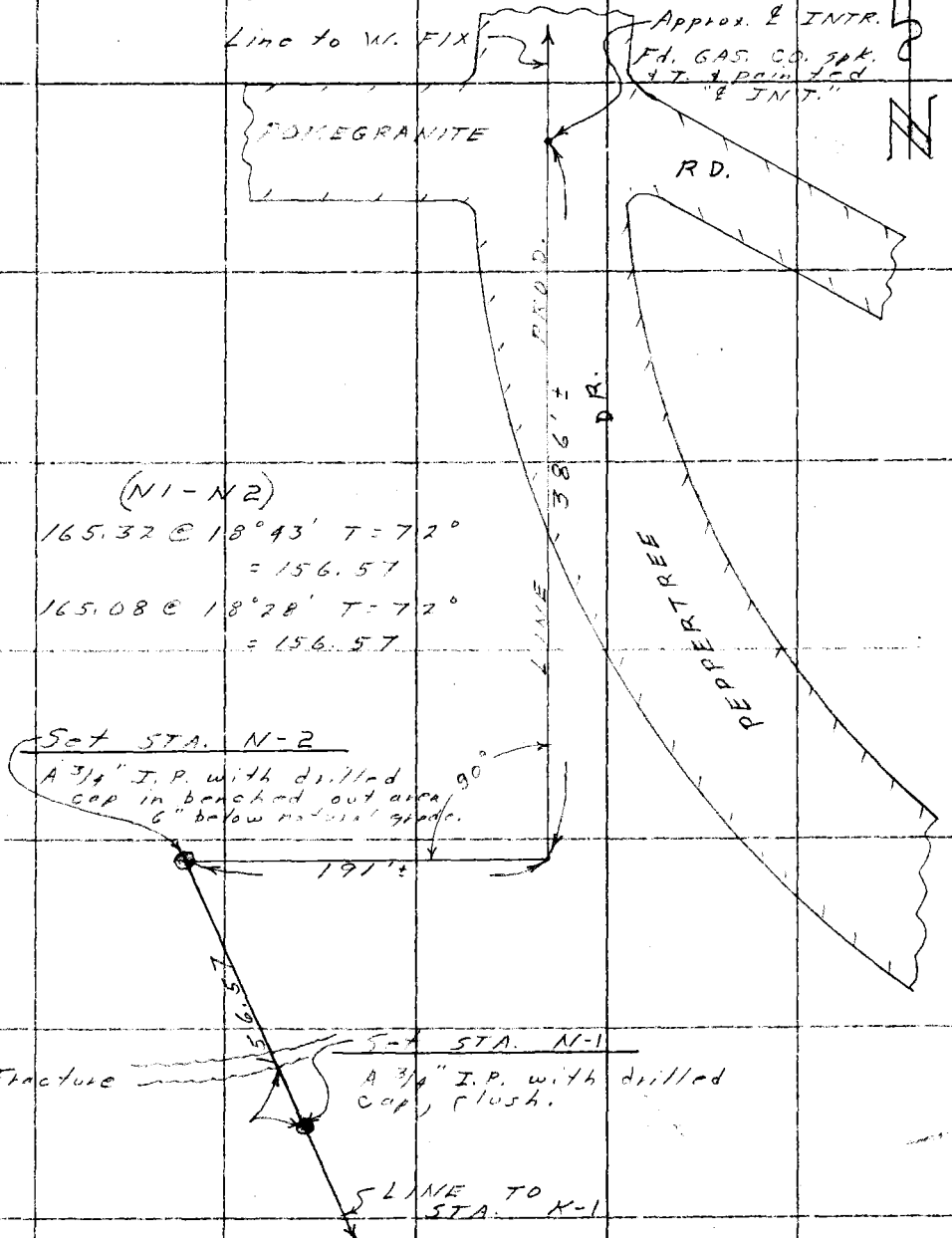
Do not extend notes this side of this line.

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 GEODETIC CONTROL
Map No.	W. O. 0301-00 Tape No. 57 St'd. 84 °F
Office Work	Surveyed by W. D. BAY
Checked	Notes W. D. B. Date 5-16-57
Date	Indexed L. C. Johnson

F. B. 947 Pg. 185

PORTUGUESE BAND
SLIDE AREA
"N" LINE



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

Do not extend notes this side of this line.

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

76F3098 247 4-53

F. B. 949 PG. 186

COMPARISON SHEET

N1 - N2

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD
5-16-57	156.57	—	—
5-17-57	156.57	0.00	0.00
5-20-57	156.58	0.01	0.01
5-21-57	156.58	0.01	0.00
5-24-57	156.60	0.03	0.02
5-28-57	156.66	0.09	0.06
5-29-57	156.66	0.09	0.00
6-3-57	156.70	0.13	0.04
6-5-57	156.72	0.15	0.02
6-6-57	156.72	0.15	0.00
6-7-57	156.72	0.15	0.00
6-10-57	156.74	0.17	0.02
6-12-57	156.77	0.20	0.03
6-14-57	[illegible]	[illegible]	[illegible]
6-17-57	156.82	0.26	0.03
6-19-57	156.85	0.28	0.02
6-21-57	156.86	0.29	0.01
6-24-57	[illegible]	0.30	0.01
6-26-57	156.87	0.30	0.00

DISCONTINUED

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.

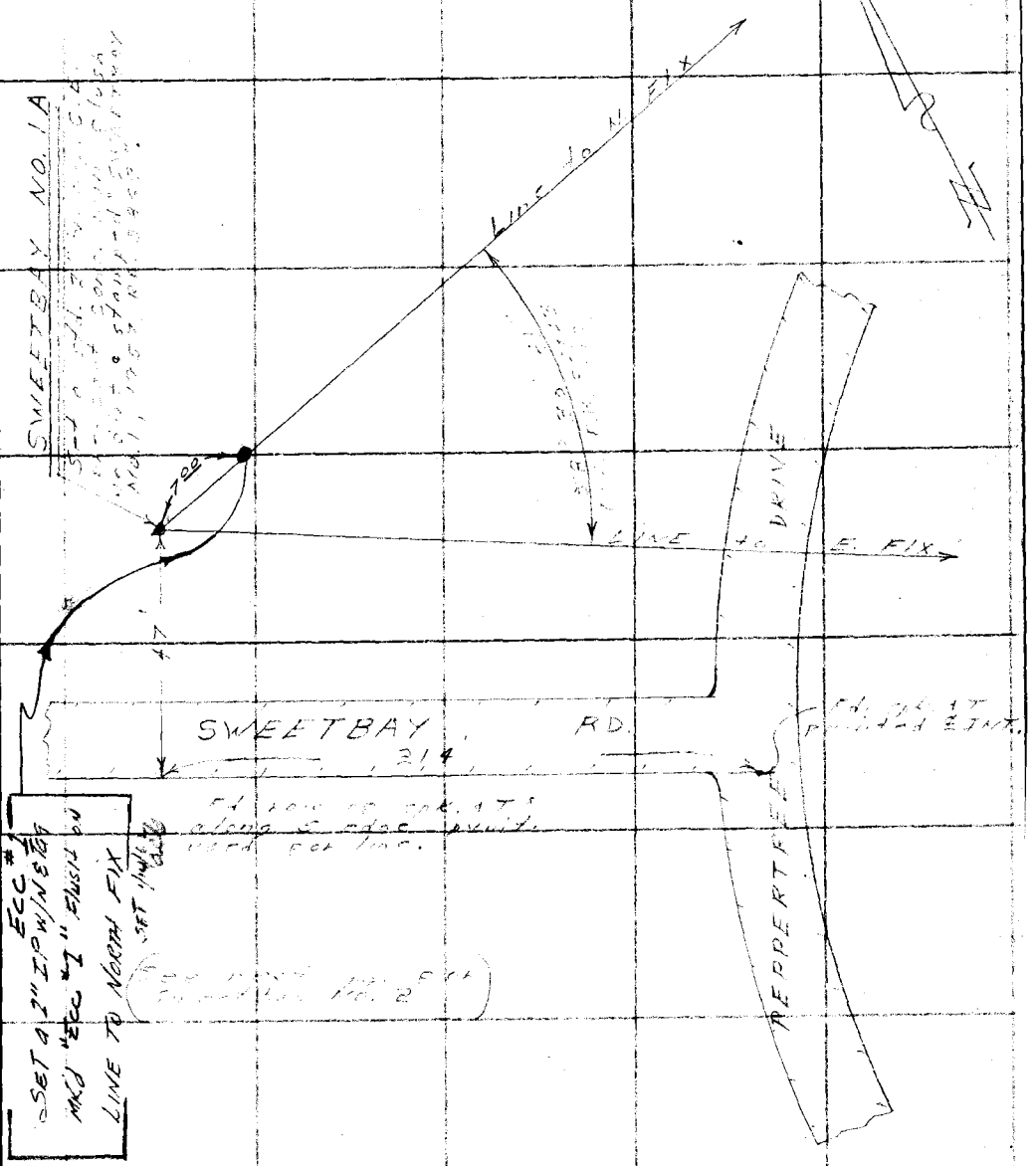
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 101 St'd. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. Johnson

F. B. [illegible] Pg. 187

PORTUGUESE BEND SLIDE AREA

TRIANGULATION STATION

SWEETBAY NO. 1A



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

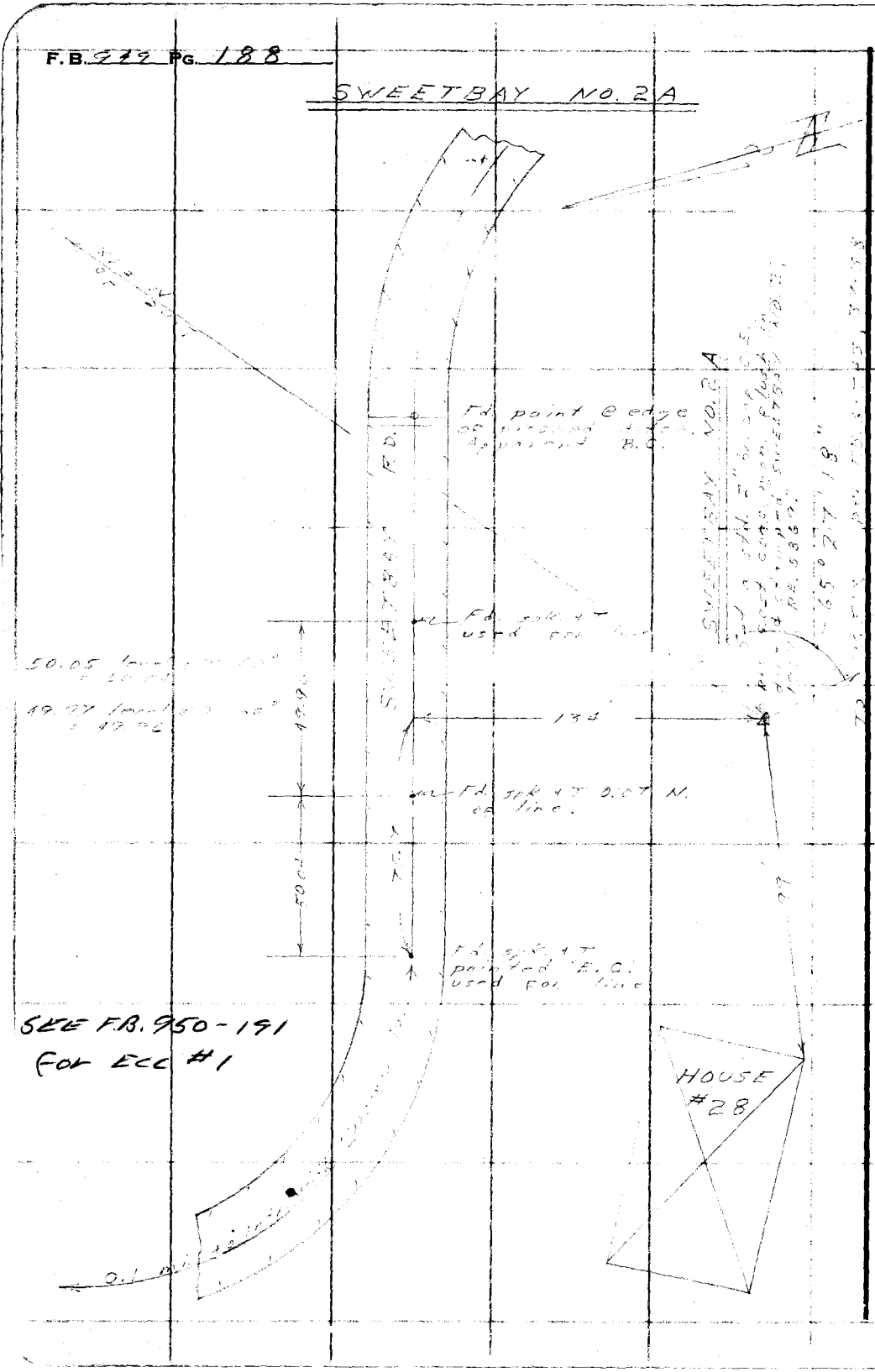
Do not extend notes this side of this line.

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

76F309S S&E #247. 8-54

F.B. 222 PG. 188

SWEETBAY NO. 2A



RETURN TO
LOS ANGELES COUNTY SURVEYOR
724 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 GEODETIC CONTROL
Map No.	W. O. [illegible] Tape No. [illegible] St'd. [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. Johnson

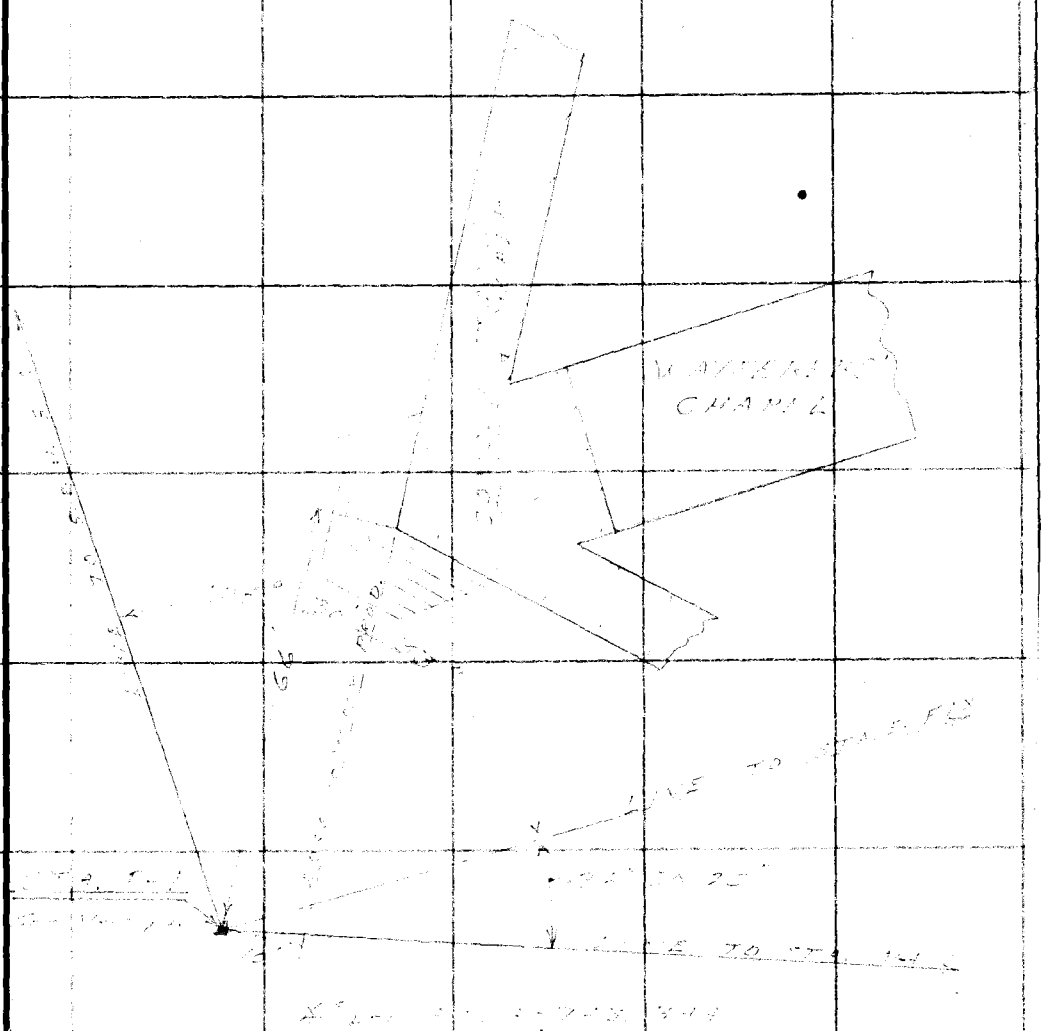
F. B. [illegible] PG. 189

PORTUGUESE BEND [illegible]

TRIANGULATION STATION

STA. P-1

DISTURBED



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. 949 PG. 190

— DESCRIPTION —

STA. P-1

THE STATION IS IN LOS ANGELES COUNTY. [illegible] PORTUGUESE BEND area of the [illegible] HILLS at the [illegible] CHAPEL. IT IS 100'± SW. of the chapel [illegible] on the edge of a bank over looking PALOS VERDES DRIVE S.

STATION MARK: [illegible]

[illegible] MONS. [illegible]

THIS STATION HAS BEEN REMOVED.

OCT 05 J. Fulton

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

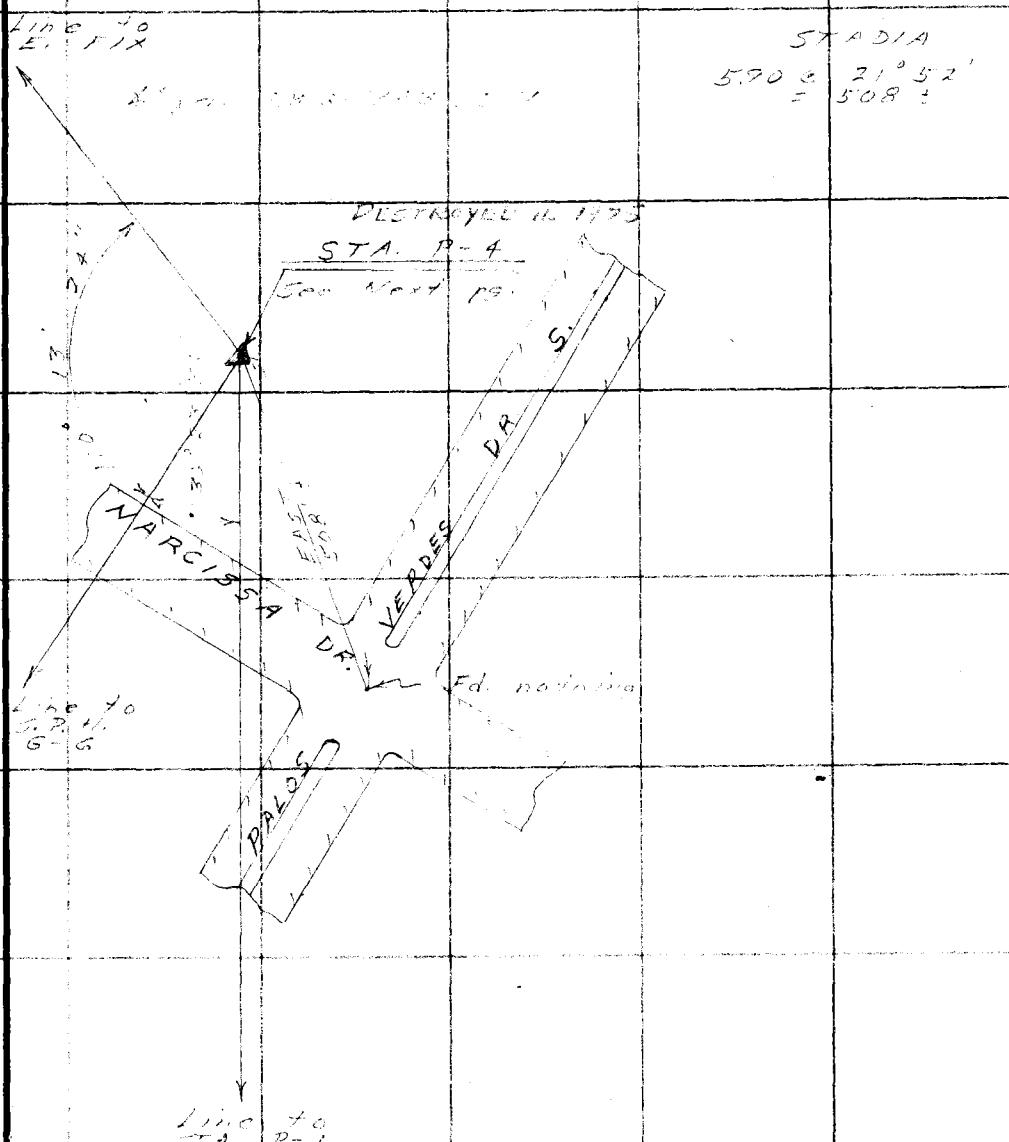
Do not extend notes this side of this line.

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 GEODETIC CONTROL
Map No.	W. O. 3301.00 Tape No. 101 St'd. 84 °F
Office Work	Surveyed by W. D. DAY
Checked	Notes [illegible] Date 6-11-37
Date	Indexed C. Johnson

F. B. [illegible] PG. 171

PORTUGUESE BEND SLIDE AREA
TRIANGULATION STATION
STA. P-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 SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F. B. 999 PG. 192

— DESCRIPTION —

STA. P-4

This station is in LOS ANGELES COUNTY, in the PORTUGUESE BEND area of the SAN PEDRO HILLS, on the top of a hill, 508' EAST of the approx. ℄ intn. of PALOS VERDES DRIVE SOUTH & NARCISSA DRIVE. Station is 80' SW of hill summit.

STATION MARK: Set a std. 2" brass cap, die-cast concrete COUNTY ENGINEER monument in place and extending 3" above ground and stamped "STA. P-4, 1957, RE. 5869".

NO SUN OR REF. MARKS SET.

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 GEODETIC CONTROL
Map No.	W. O. 030100 Tape No. 101 St'd. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. Johnson

F. B. [illegible] Pg. 193

PORTUGUESE BEND SLIDE AREA

"P" LINE

P-1 to P-4

STA. P-4
See pg. 191

NARCISSA DR.

STADIA
6.00
[illegible]
[illegible] 83 [illegible]

10.35
2.00
8.35 [illegible] 835'

[illegible]

695'±

STA. P-3
Set Lead & L.A. CO. ENG'R tag & tack on line in N. cb. of ctl. island.

[illegible]

835'±

STA. P-2
Set L&T & L.A. CO. ENG'R tag on line in N. cb. of ctl. island.

176'±

STA. P-1
See pg. 189

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

P-line

F.B. 749 PG. 194

DATE	TOTAL OF [illegible]		[illegible] PERIOD	
[illegible]	P2	0.00	P2	0.00
	P3	0.00	P3	0.00
6-18-57	P2	0.00	P2	0.00
	P3	0.00	P3	0.00
6-25-57	P2	0.00	P2	0.00
	P3	0.00	P3	0.00
6-28-57	P2	0.00	P2	0.00
	P3	0.00	P3	0.00
7-1-57	P2	0.00	P2	0.00
	P3	0.00	P3	0.00
7-8-57	P2	0.00	P2	0.00
	P3	0.00	P3	0.00
7-15-57	P2	0.00	P2	0.00
	P3	0.00	P3	0.00
7-25-57	P2	0.00	P2	0.00
	P3	0.00	P3	0.00
7-29-57	No change		No Change	
8-6-57	"		"	
8-13-57	"		"	
8-20-57	"		"	
9-4-57	"		"	
9-5	"		"	
9-12	"		"	
9-19	"		"	
9-27	"		"	
10-3	"		"	
10-10	"		"	
10-17	"		"	
10-24	"		"	

Cont. F.B. 950-79

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.

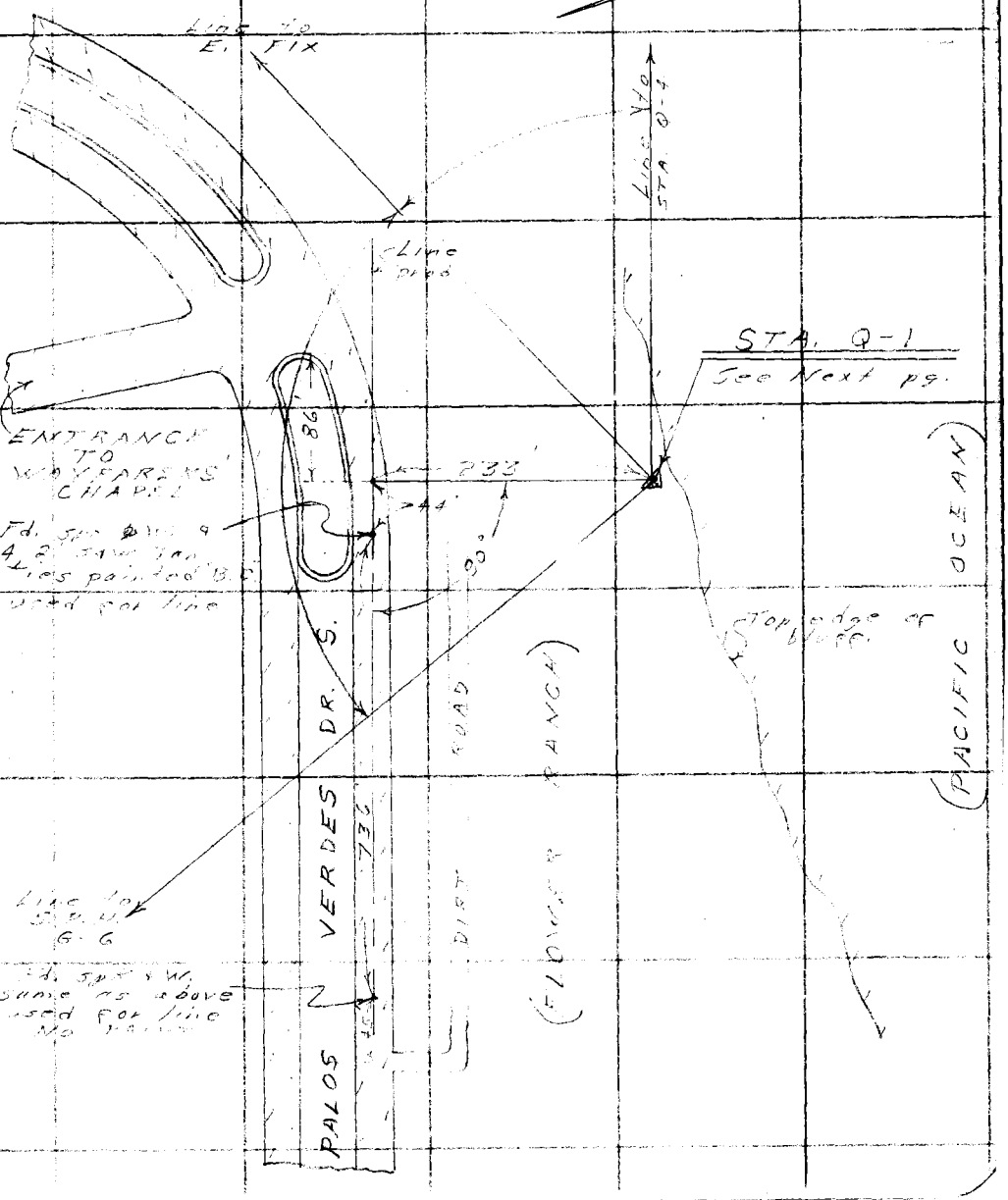
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301-00 Tape No. 12/St'd. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 6-12-57
Date	Indexed C. Johnson

F. B. 900 Pg. 195

PORTUGUESE BEND GUIDE AREA

TRIANGULATION STATION

STA. Q-1



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

F.B. 947 PG. 196

— DESCRIPTION —

STA. Q-1

This station is in LOS ANGELES COUNTY, in the PORTUGUESE BEND area of the PALOS VERDES HILLS, on the top edge of a bluff overlooking the ocean, 233' S. of the S. half of PALOS VERDES DR S. & 100' ± W. of the road entrance to the WAYFARERS' CHAPEL.

STATION MARK:

Set a std. 2" brass cap, pre-cast concrete, COUNTY ENGINEER monument, in dirt flush, and stamped "STA. Q-1 1957, R.E. 3869".

NO SUB or REF MONT SET

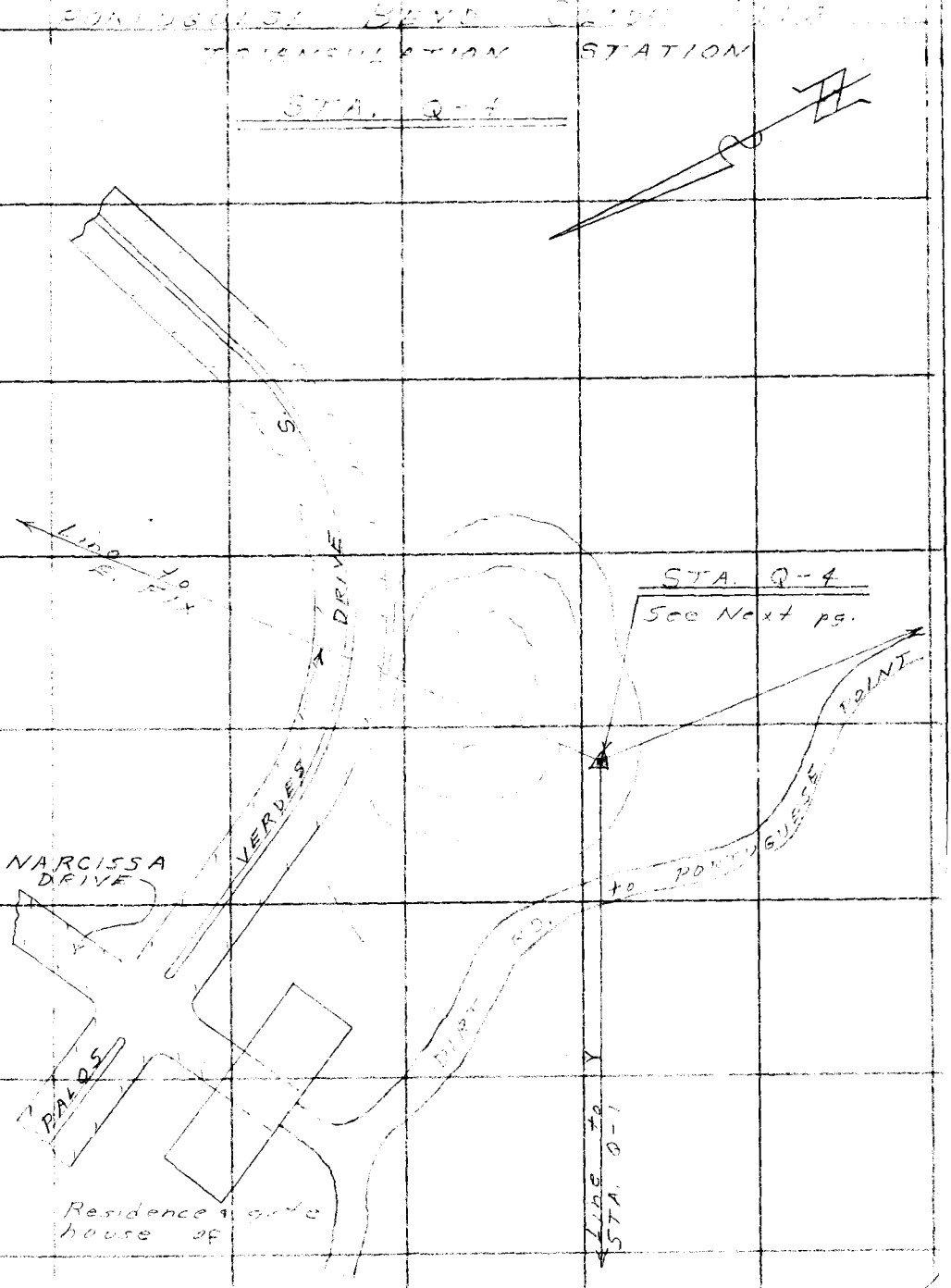
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed K. C. Johnson

F. B. Pg. 197



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. 949 Pg. 198

— DESCRIPTIONS —

STA. Q-4

[illegible] in LOS ANGELES COUNTY [illegible] the PORTUGUESE BEND area [illegible] PALOS VERDES HILLS, near the top of the first hill N. of PORTUGUESE POINT and S. of PALOS VERDES DRIVE S. [illegible] bearing S. [illegible] from the approximate [illegible] of the [illegible].

STATION MARK:

Set a std. 2 brass cap [illegible] concrete [illegible] COUNTY ENGINEER [illegible] and stamped "STA. Q-4, 19[illegible] RE. 5867".

[illegible]

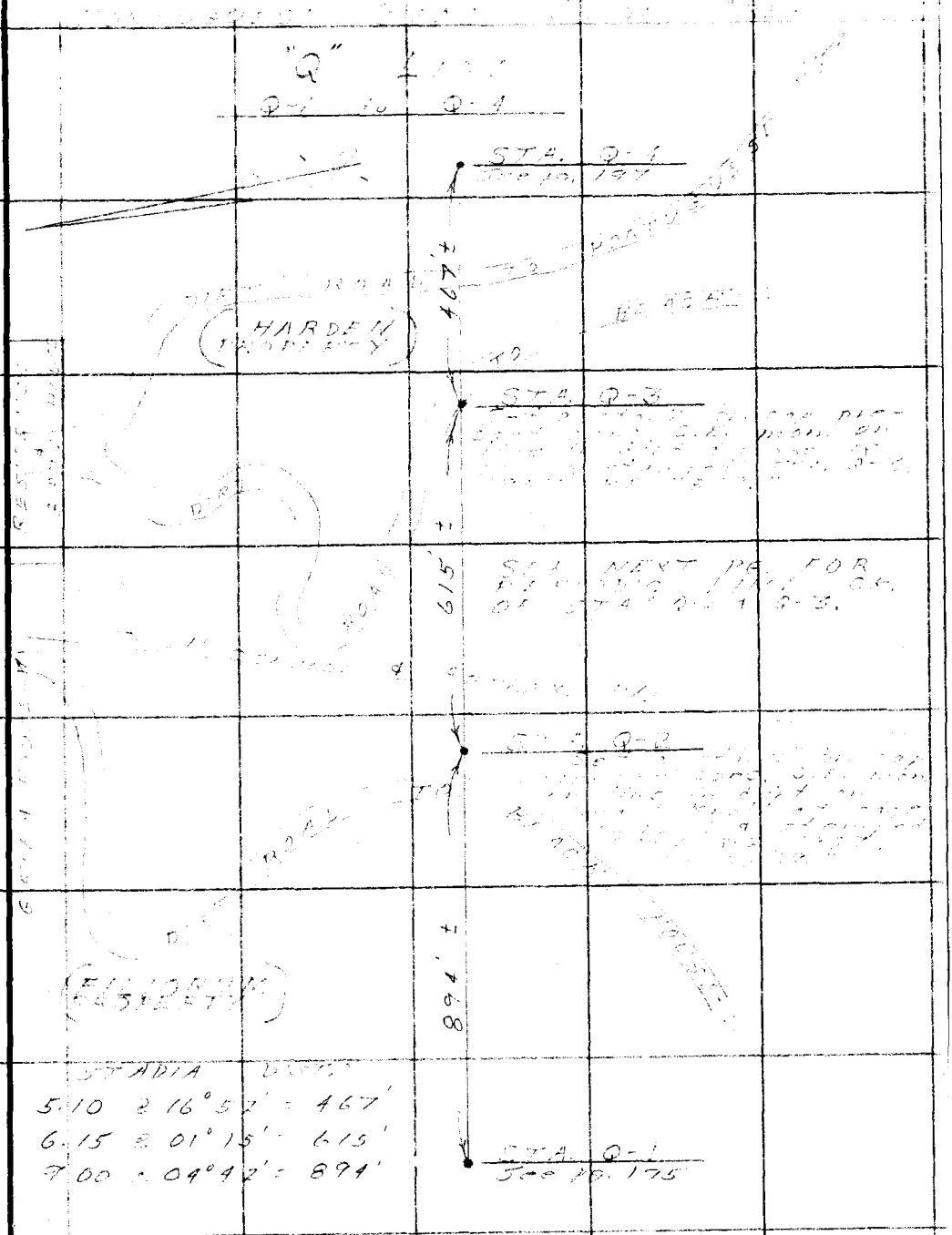
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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 [illegible]
Map No.	W. O. [illegible] Tape No. [illegible] St'd. 84 °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed C. Johnson

F. B. [illegible] PG. 199



STADIA DISTS.
5.10 @ 16° 52' = 467'
6.15 @ 01° 15' = 615'
7.00 @ 04° 42' = 894'

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

Q-line

F. B. 942 PG. 200

DATE	TOTAL DISTRICT	PERIOD LINE
6-13-57	Q2 0.00	Q2 0.00
	Q3 0.00	Q3 0.00
6-18-57	Q2 0.00	Q2 0.00
	Q3 0.00	Q3 0.00
6-26-57	Q2 0.00	Q2 0.00
	Q3 0.00	Q3 0.00
6-28-57	Q2 0.00	Q2 0.00
	Q3 0.00	Q3 0.00
7-1-57	Q2 0.00	Q2 0.00
	Q3 0.00	Q3 0.00
7-8-57	Q2 0.00	Q2 0.00
	Q3 0.00	Q3 0.00
7-15-57	Q2 0.00	Q2 0.00
	Q3 0.00	Q3 0.00
7-25-57	Q2 0.00	Q2 0.00
	Q3 0.00	Q3 0.00
7-29-57	No Change	No Change
8-6-57	"	"
8-12-57	"	"
8-20-57	"	"
9-4-57	"	"
9-6	"	"
9-12	"	"
9-19	"	"
9-27	"	"
10-3	"	"
10-10	"	"
10-17	"	"
10-24	"	"

Cont. F.B. 950-80

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.

TOGRAMMETRY SECTION REQUESTS

NAME _____ DATE _____
COMPANY/DEPT. _____ TIME _____
TEL _____ EXT. _____
ADDRESS _____
CITY _____ ZIP _____

REQUEST
PHOTO _____ B/W _____ COLOR _____ I.R. _____
ENLARGEMENT _____ SIZE _____ SCALE _____
EXISTING NEG. _____ NEW FLT. _____
QUANTITY _____ MATERIAL _____
PROCESS _____ PURPOSE _____ PG 195
NO. _____ SHEETS _____
AREA _____
DUE DATE _____
SPECIAL INSTRUCTIONS _____
PG 199

NEG. ON FILE _____ NEG ELSEWHERE _____
NEW FLT. _____
MAP ON FILE _____ MAP ELSEWHERE _____

ACTION
CONTRACTOR _____ COST EST. _____
BY PHONE _____ MAIL _____ VISIT _____
DATE _____ TIME _____
P.O. No. _____ DUE DATE _____
OTHER _____

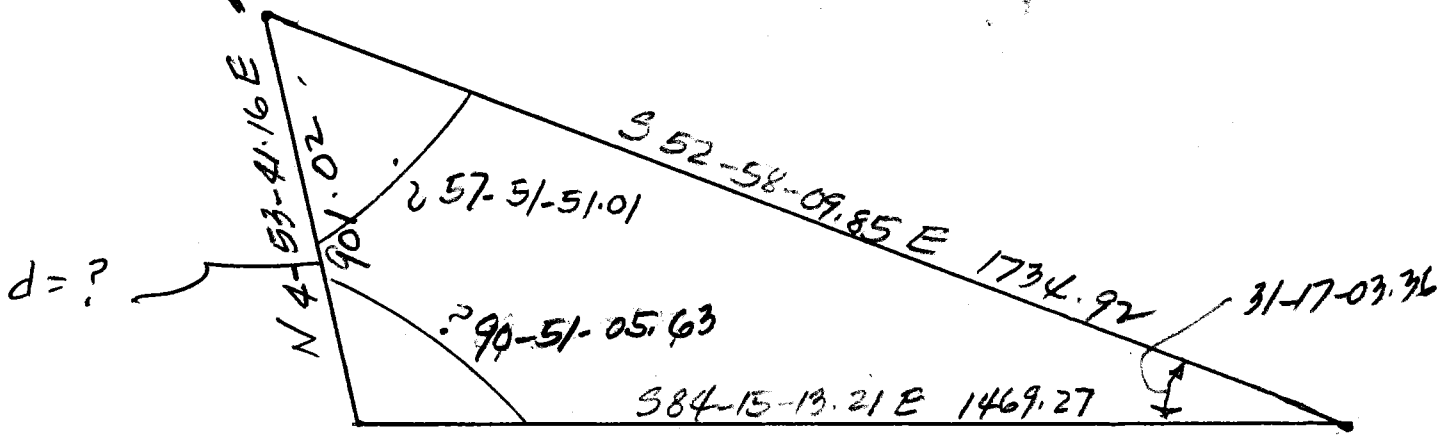
PERSON CONTACTED BY PHONE DELIVERED PICKUP

ON THE BACK OF EACH PHOTO SHOW —
NORTH ARROW, PHOTO DATE, TIME, COMPANY NAME AND PHOTO SCALE.

S. 80° W
2.21 ft
6 years

52-58-09.85
4-53-41.16
57-51-51.01

N 4017657.21
E 4174700.74
1969



SPH
H-8
N 4016759.48
E 4174623.86

"POINT"
N 4016612.37
E 4176085.75

76F309S S&E #247 1-56

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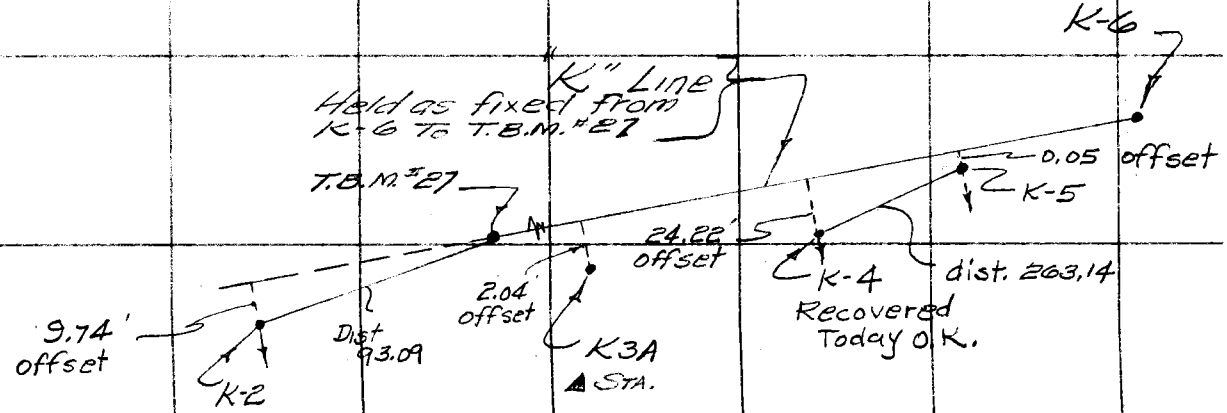
SKETCH SHOWING NEW "K" LINE METHOD OF MEASUREMENT



Note: The two Stations K-6 & T.B.M. #27 are Considered Stable and are being held as fixed. All future offsets are to be meas. from this Line.

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

Survey of PORT. BEND LANDSLIDE
JN 0021.64 Tape 138 Std 84 °F
Surveyed by H.R. STOCK
Notes STOCK Date 7-1-57
Indexed E. C. Johnson
JUL 2 57

F. B. 949 PG. 201

F. B. _____ PG. 202

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Notes Ck'd by JFM	Survey of PORT. BEND LANDSLIDE
Map No.	W.O. 821.64 Tape No. 139 St'd. 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes STOCK Date 7-2-57
Date	Indexed C. Johnson 7-12-57

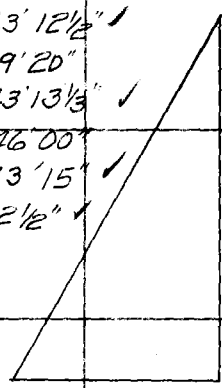
F. B. 949 PG. 203

TRIANGULATION FIX - "STATION POINT"
TRANSIT ANGLES

Left to Right	Right to Left
1. 29°43'10"	1. 29°43'10"
4. 118°52'30"	4. 118°52'50" ✓
= 29°43'07½" ✓	= 29°43'12½" ✓
6. 178°19'00"	6. 178°19'20"
= 29°43'10" ✓	= 29°43'13⅓" ✓
8. 237°45'20"	8. 237°46'00"
= 29°43'10" ✓	= 29°43'15" ✓
Mean = 29°43'12½" ✓	

29°43'12½"

WEST FIX



60°30'45"

SAN PEDRO HILLS
H-8

Left to Right	Right to Left
1. 60°31'00"	1. 60°30'50"
4. 242°03'10"	4. 242°02'50" ✓
= 60°30'47½" ✓	= 60°30'42½" ✓
6. 03°04'30"	6. 03°04'30"
= 60°30'45" ✓	= 60°30'45" ✓
8. 124°06'00"	8. 124°06'00"
= 60°30'45" ✓	= 60°30'45" ✓
Mean = 60°30'45" ✓	

POINT
89°46'03⅛"

Left to Right	Right to Left
1. 89°46'00"	1. 89°46'00"
4. 359°04'20"	4. 359°04'20"
= 89°46'05" ✓	= 89°46'05"
6. 178°36'20" ✓	6. 178°36'10"
= 89°46'03⅓"	= 89°46'02½"
8. 358°08'30" ✓	8. 358°08'20"
= 89°46'03¾" ✓	= 89°46'02½"
	Mean = 89°46'03⅛"

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.

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F.B. PG.

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

Level Check bet. P.B. #1 & T.B.M. #27

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P.B. #1	7.60				7.601'	P.B. #1 C.S. Mon Bent Cap.
+	7.30					
Σ	14.90	+6.90				
−	0.40					
T.P.	14.50					T.P. Rock
+	6.05					
Σ	20.55	+0.27				
−	6.32					
T.P.	14.23					T.P. Spk.
+	7.04					
Σ	21.27	+2.39				
−	4.65					
T.P.	16.62					T.P. Spk.
+	6.57					
Σ	23.19	+2.04				
−	4.53					
T.P.	18.66					T.P. Spk.
+	4.95					
Σ	23.61	+4.50				
−	0.45					
T.P.	23.16					T.P. Rock
+	9.28					
Σ	32.44	+9.21				
−	0.07					
T.P.	32.37					T.P.
+	6.72					
Σ	39.09	+2.15				
−	4.57					
T.B.M. #27	34.52					T.B.M. #27 3 1/4" I.P. & Cap.

NOTES RED. _____ JOB NO. 8021.6d SURVEY OF PORT BEND LANDOWNE
DATE _____ SURVEY BY Stock DATE 7-16-57
NOTES CHKD. _____ NOTES BY Stock DATE 7-16-57
DATE _____ INDEXED A. C. Johnson DATE 7-18-57

F. B. 919 PG. 1-5

76S420 S & E-353 4-54

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Do not extend notes this side of this line

JOB NO. 0021.64 SURVEY OF Port Bend Land NOTES RED
SURVEY BY H.R. Stock DATE
NOTES BY Stock DATE 7-18-57 NOTES CHKD
INDEXED C. Johnson DATE DATE

F. B. 949 PG. 206

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M. #27	34.52					T.B.M. #27
+	3.30					
⊼	37.82	-5.95				
−	1.25					
T.P.	28.57					T.P. Rock
+	0.70					
⊼	29.27	[illegible]				
−	6.1[illegible]					
T.P.	23.16					T.P. Rock
+	0.41					
⊼	23.57	-4.50				
−	4.91					
T.P.	18.66					T.P. Spk
+	4.49					
⊼	23.15	-2.03				
−	6.52					
T.P.	16.63					T.P. Spk
+	4.43					
⊼	21.06	-2.41				
−	6.84					
T.P.	14.22					T.P. Spk
+	6.22					
⊼	20.44	+0.27				
−	5.95					
T.P.	14.49					T.P. Rock
+	0.22					
⊼	14.71	-6.90				
−	7.12					
P.B. #1	7.59					P.B. #1 Elev. = 7.601

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

NOTES RED _____ JOB NO. M.P. 6.4 SURVEY OF PORT FERNO LANDSLIDE
DATE _____ SURVEY BY H. R. STOCK
NOTES CHKD. _____ NOTES BY STOCK DATE 7-22-57
DATE _____ INDEXED C. Johnson DATE 7-23-57

F.B. 1149 PG. 207

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
		CHECK LEVELS PORTUGUESE BEND				
P.B. #1	7.60					P.B. #1
+	2.99					
π	10.59	-1.97				
−	4.96					
BEACH #2	5.63					BEACH #2
+	3.73					
π	9.36	-1.52				
−	5.25					
T.P.	4.11					T.P.
+	9.27					
π	13.38	+5.51				
−	3.76					
T.P.	9.62					T.P.
+	6.48					
π	16.10	+6.40				
−	0.08					
T.P.	16.02					T.P.
+	10.50					
π	26.52	+9.76				
−	0.74					
T.P.	25.78					T.P.
+	9.92					
π	35.70	+8.77				
−	1.15					
T.B.M. #27	34.55					T.B.M. #27 This not true T.B.M. #27 It is a pipe near by. [illegible]
+	2.59					
π	37.14	-8.77				
−	11.36					
T.P.	25.78					T.P.

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	25.78					T.P.
+	1.25					
⊼	27.03	− 9.75				
−	11.00					
T.P.	16.03					T.P.
+	0.40					
⊼	16.43	− 9.21				
−	9.61					
T.P.	6.82					T.P.
+	2.69					
⊼	9.51	+ 0.19				
−	2.50					
BEACH #3	7.01					BEACH #3
+	2.86					
⊼	9.87	− 6.23				
−	9.09					
P.B. #5A	0.78					P.B. #5A Bt spk in natural rock groin.
+	5.83					
⊼	6.61	+ 3.64				
−	2.19					
T.P.	4.12					T.P.
+	1.70					
⊼	6.12	− 3.20				
−	4.90					
T.P.	1.22					T.P.
+	8.25					
⊼	9.47	+ 7.69				
−	0.56					
BEACH #4	8.91					BEACH #4

JOB NO. 0021.64 SURVEY OF Port Bend Landslide NOTES RED.
SURVEY BY H.R. Stock DATE
NOTES BY Stock DATE 7-22-57 NOTES CHKD.
INDEXED C. Johnson DATE DATE

F. B. 949 PG. 208

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BEACH #4	8.91					BEACH #4
+	1.45					
⊼	10.36	+0.23				
−	1.22					
BEACH #5	9.14					BEACH #5
+	1.21					
⊼	10.35	−8.75				
−	9.96					
P.B. #6A	0.39					P.B. #6A
+	9.51					
⊼	9.90	+8.12				
−	1.37					
BEACH #6	8.51					BEACH #6
+	7.54					
⊼	16.05	+3.29				
−	4.25					
P.B. #7	11.80					P.B. #7
+	4.42					
⊼	16.22	−6.62				
−	11.04					
T.P.	5.18					T.P.
+	4.32					
⊼	9.50	+0.01				
−	4.31					
T.P.	5.19					T.P.
+	4.07					
⊼	9.26	+0.30				
−	3.77	+0.				
T.P.	5.49					T.P.

NOTES RED. _____ JOB NO. 002164 SURVEY OF PORT BEND LANDSLIDE
DATE _____ SURVEY BY H.R. STOCK
NOTES CHKD. _____ NOTES BY STOCK DATE 7-22-57
DATE _____ INDEXED C. Johnson DATE _____

F.B. 949 PG. 209

F. B. 949 PG. 210

JOB NO. 0021.64 SURVEY OF PORT BEND LANDSLIDE NOTES RED.
SURVEY BY H. R. STOCK DATE
NOTES BY STOCK DATE 7-22-57 NOTES CHKD.
INDEXED C. Johnson DATE DATE

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	5.49					T.P.
+	7.84					
⊤	[illegible]	+2.49				
−	[illegible]					
P.B. #3	7.43					P.B. #3

76F309S S&E #247 1-56

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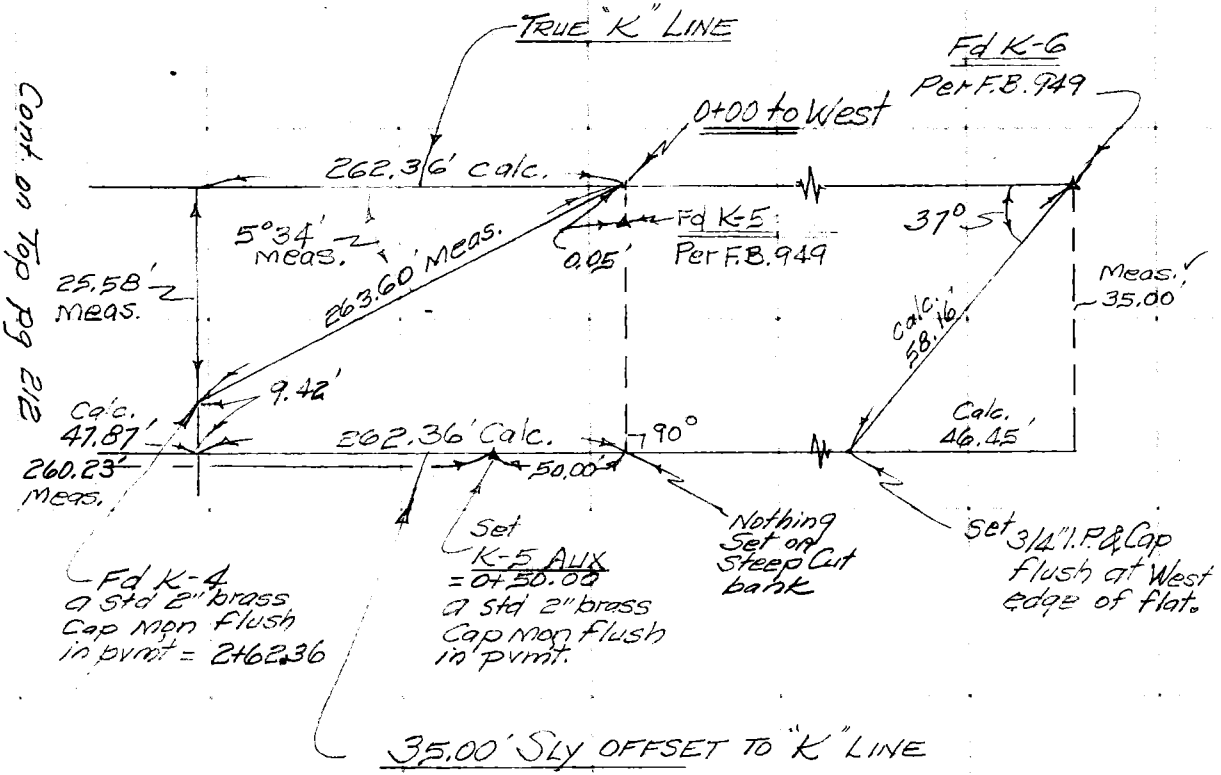
Note: "K" LINE held Fixed using K-6 East & T.B.M. #27 Aux West.



"K" LINE & 35.00' SLY OFFSET LINE

Cont. on Top Pg 212

48.63' level T = 76° = 48.63'

268.97 @ 11°27' = 263.62'
268.69 @ 11°09' = 263.62'

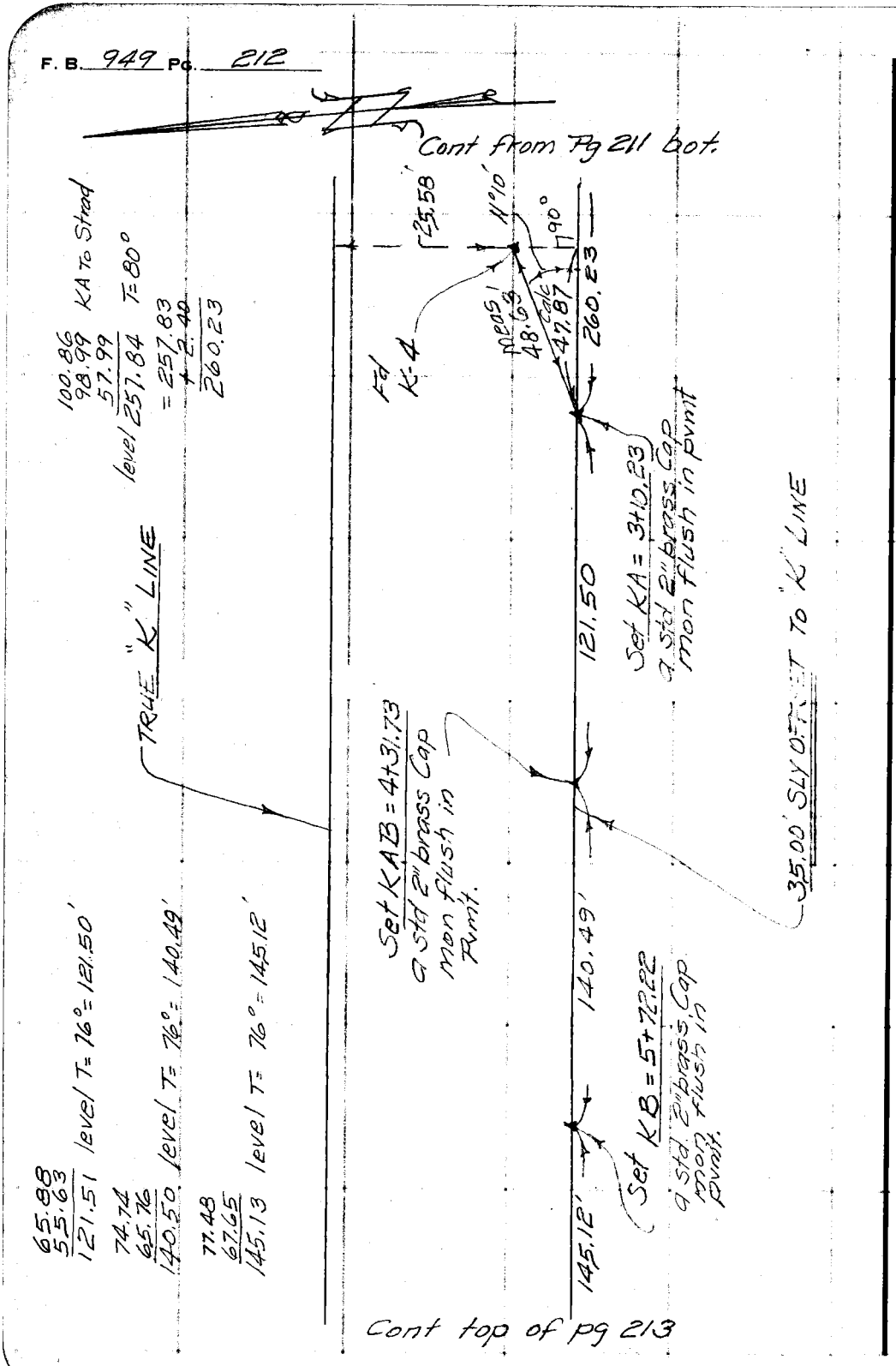
T = 74° = 263.60'

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

Survey of Port Bend Landslide
JN 0021.64 Tape 138 Std 84 °F
Surveyed by Stock
Notes Stock Date 7-25-57
Indexed A. C. Johnson 8-15-57

F. B. 949 PG. 211

F. B. 949 Pg. 212



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76F3095 S&E #247 1-56

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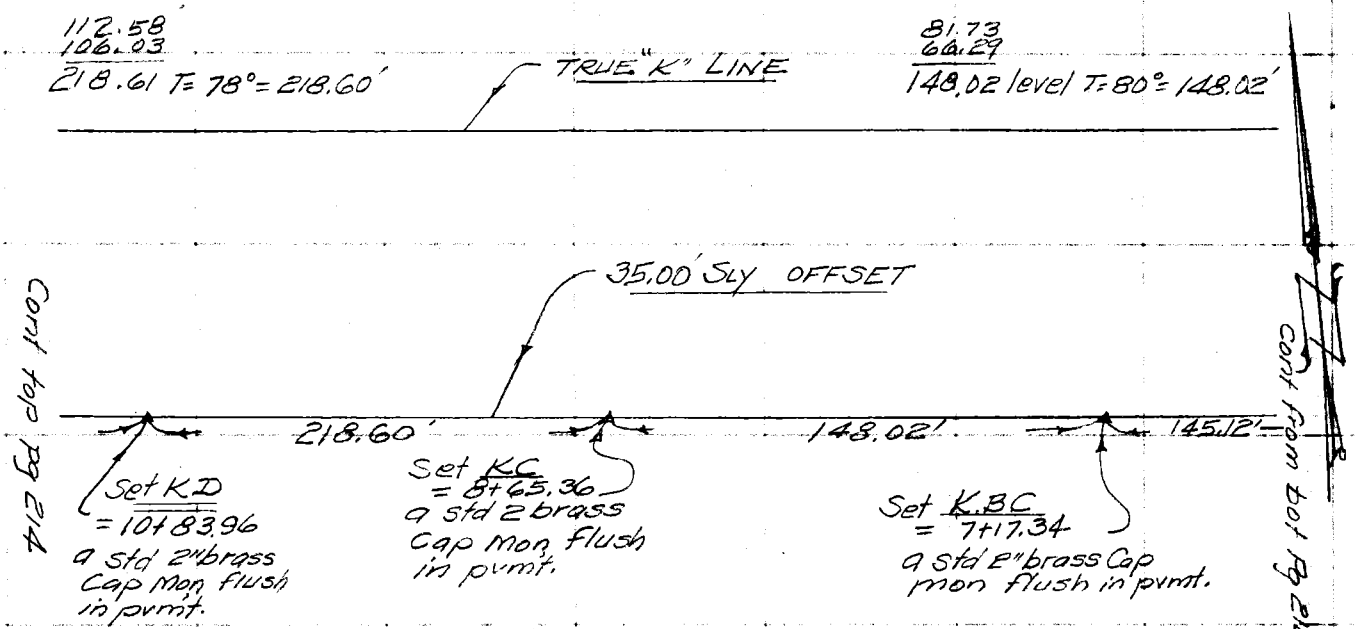
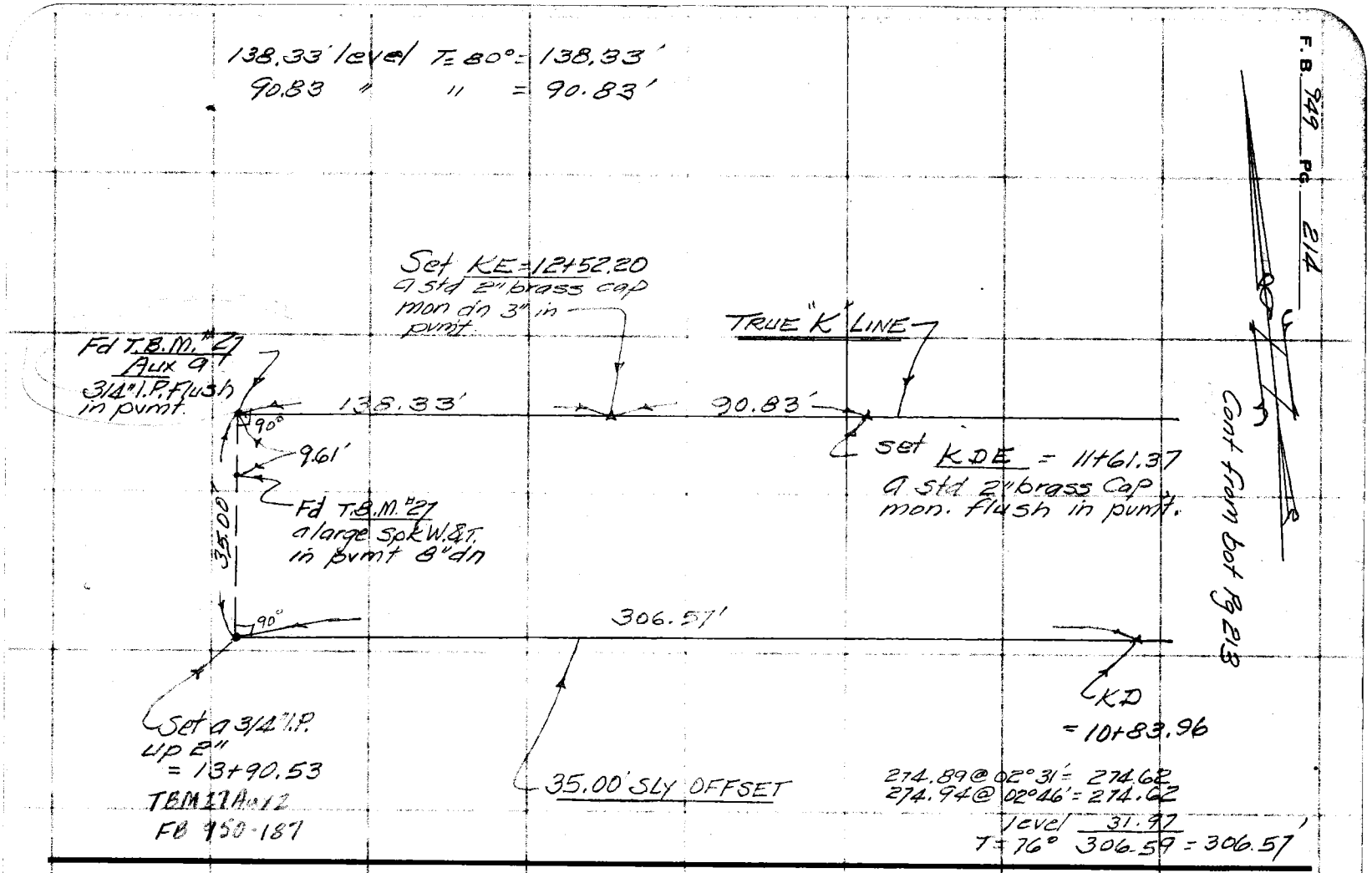


Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of PORT. BLVD L.S.
JN 0021.64 Tape 138 Std 84 °F
Surveyed by STOCK
Notes STOCK Date 7-23-57
Indexed K. C. Johnson

F. B. 949 Pg. 213

F.B. 949 Pg. 214



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76F309S S&E #247 1-56

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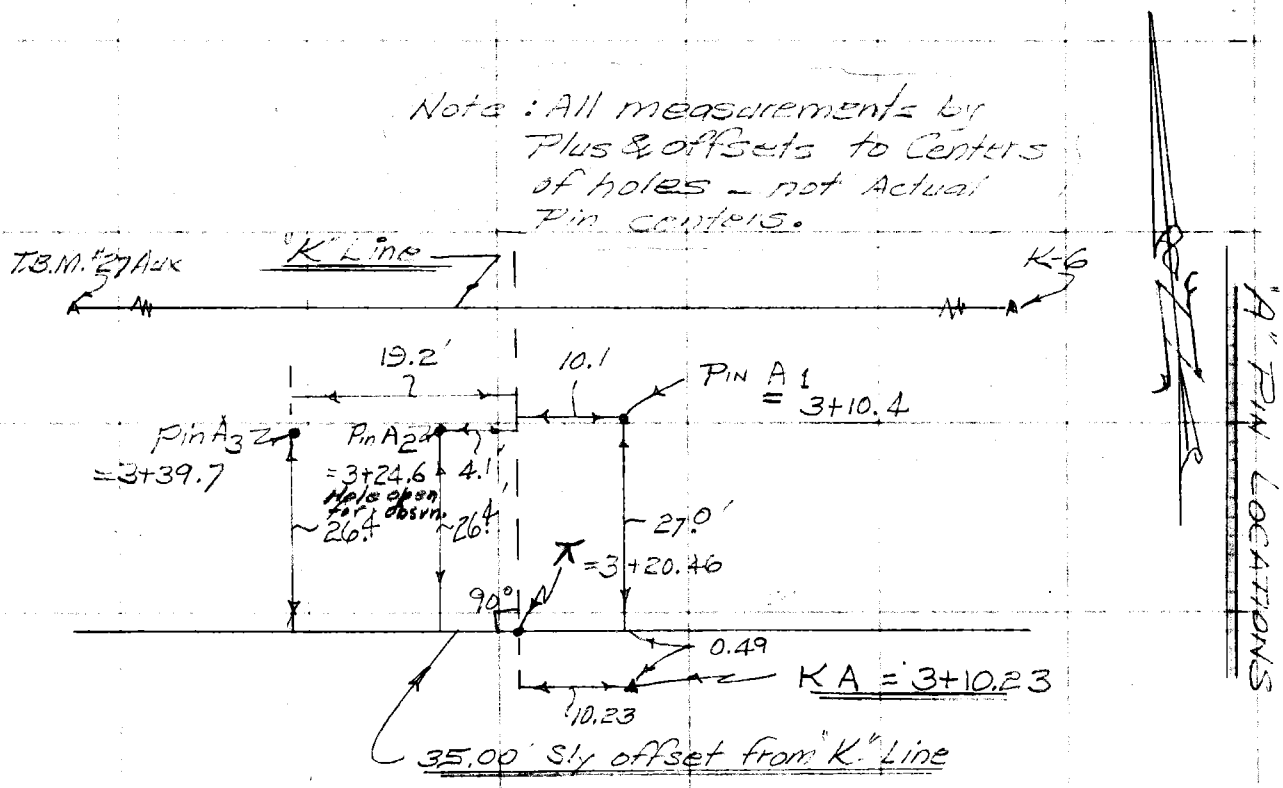

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of PORT. BEND L. SLIDE
JN 0021 Tape 138 Std 84 °F
Surveyed by H.R. Stock
Notes Stock Date 7-31-57
Indexed A. C. Johnson

F. B. 949 PG. 215

F. B. 929 Pg. 216

"B" PIN LOCATIONS

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76F309S S&E #247 1-56

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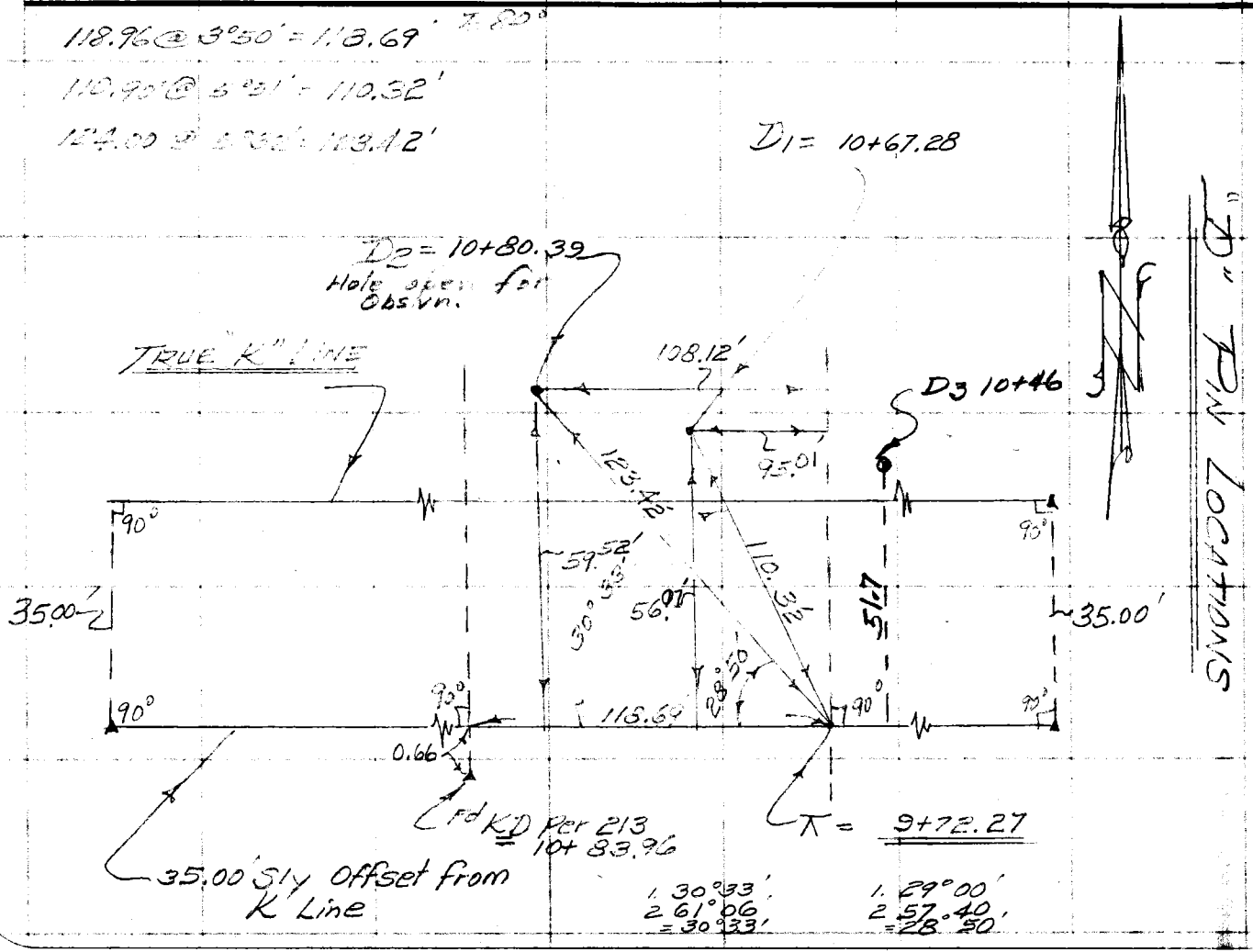
Do not extend this side of this line.

118.96 @ 3°50' = 118.69' ∠ 80°

110.90 @ 5°31' = 110.32'

124.00 @ 5°32' = 123.42'



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

Survey of FORT BEND L.S.
JN 002164 Tape 38 Std 84 °F
Surveyed by STOCK Date 7-30-57
Notes
Indexed A. C. Johnson

F. B. 949 PG. 217

F. B. 949 PG. 218

"E" PIN LOCATIONS

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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76F309S S&E #247 1-56

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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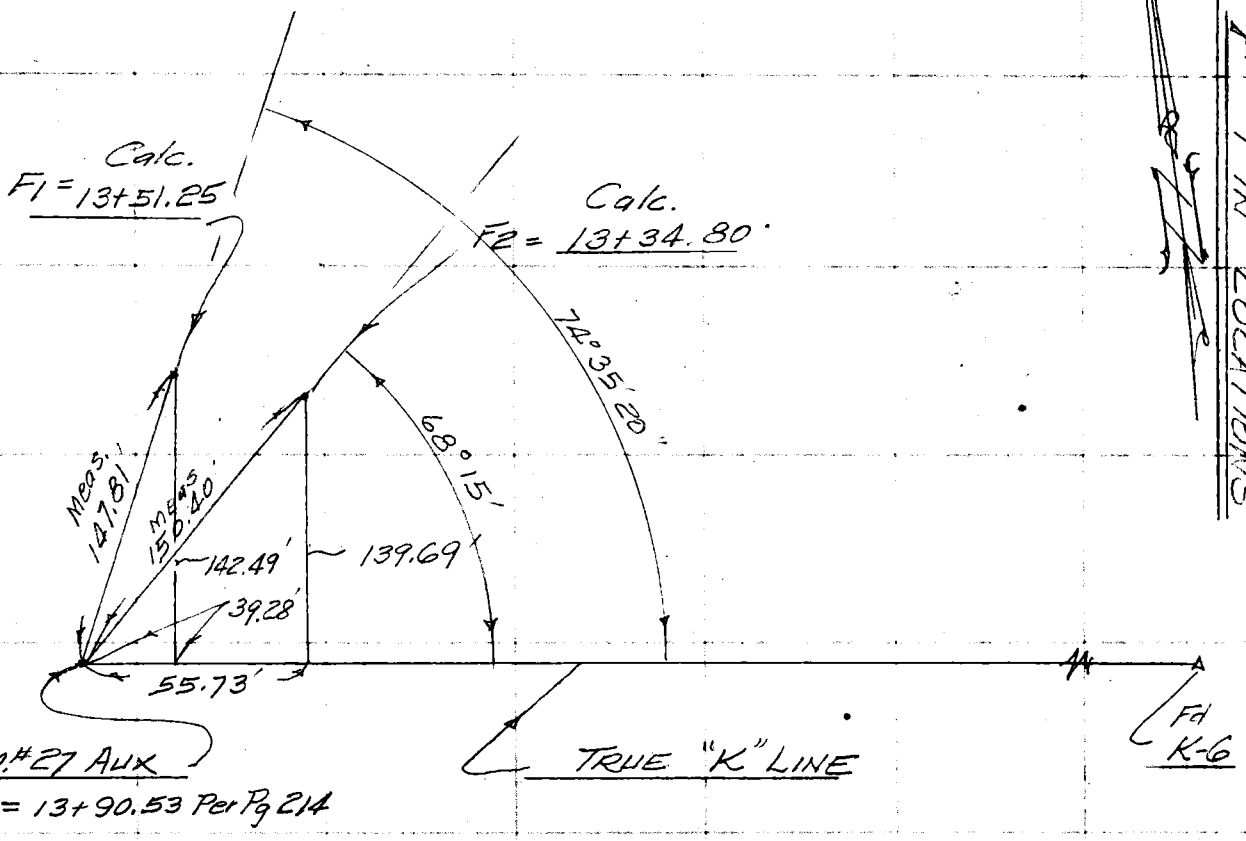
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of PORT. BEND L.S.
JN 0021.64 Tape 138 Std 64 °F
Surveyed by STOCK
Notes STOCK Date 8-6-57
Indexed K. C. Johnson

F. B. 249 PG. 219

"F" PIN LOCATIONS



116.11 @ 8°23' = 114.87
115.92 @ 7°41' = 114.88

114.87
63.37
79.50 } level T = 70°
7.70

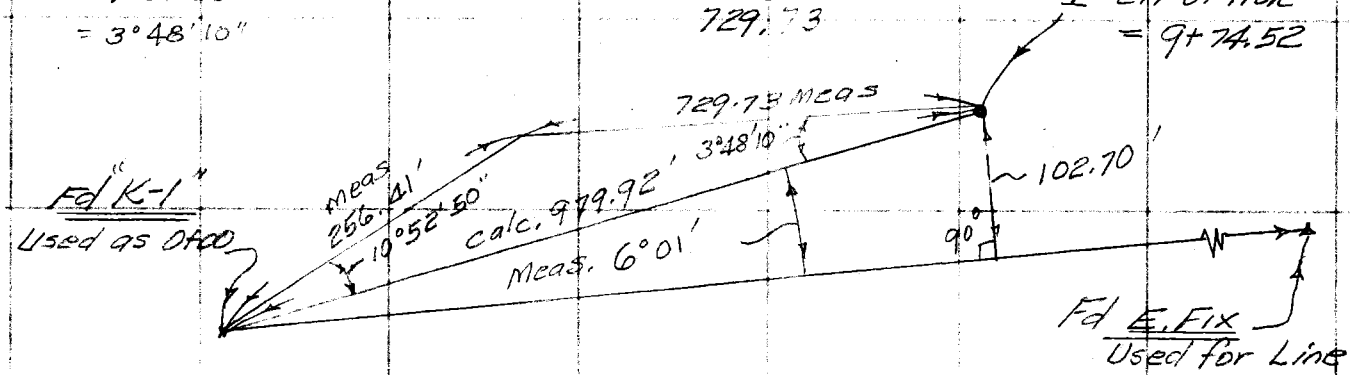
265.44
− .03
265.41'

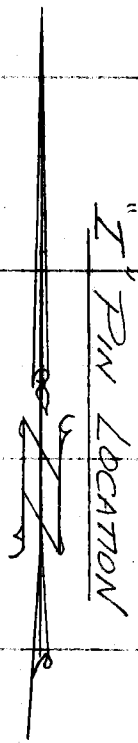
1. 6°01'
2. 12°02'00
= 6°01'

1. 10°53'00"
2. 21°45'40"
= 10°52'50"

1. 3°48'00"
2. 7°36'20"
= 3°48'10"

269.63' @ 4°11' = 268.89
298.13' @ 6°35' = 296.15
165.24 @ 4°23' = 164.74
729.78
− .05
729.73





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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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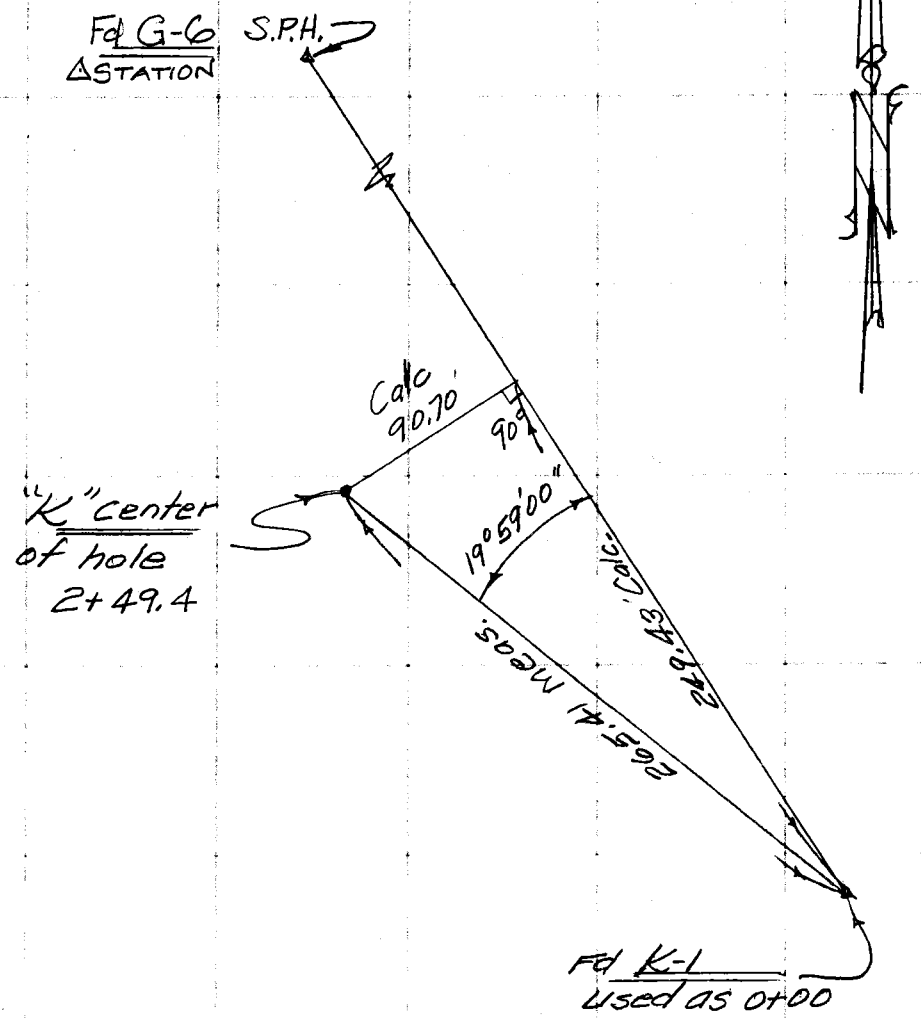
Do not extend this side of this line.

Notes Ck'd by	Survey of PORT. BLND L.S.
Map No.	JN 0021.64 Tape 138 Std 84 °F
Office Work	Surveyed by Stock
Checked	Notes STOCK Date 8-6-57
Date	Indexed R. C. Johnson

F. B. 949 PG. 221

"K" PIN LOCATIONS



1. 19°59'00"
2 39°58'00"
= 19°59'00"

T = 74°

260.82 @ 10°30' = 256.43
− .02
256.41'

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76F3098 SBE #247 1-56

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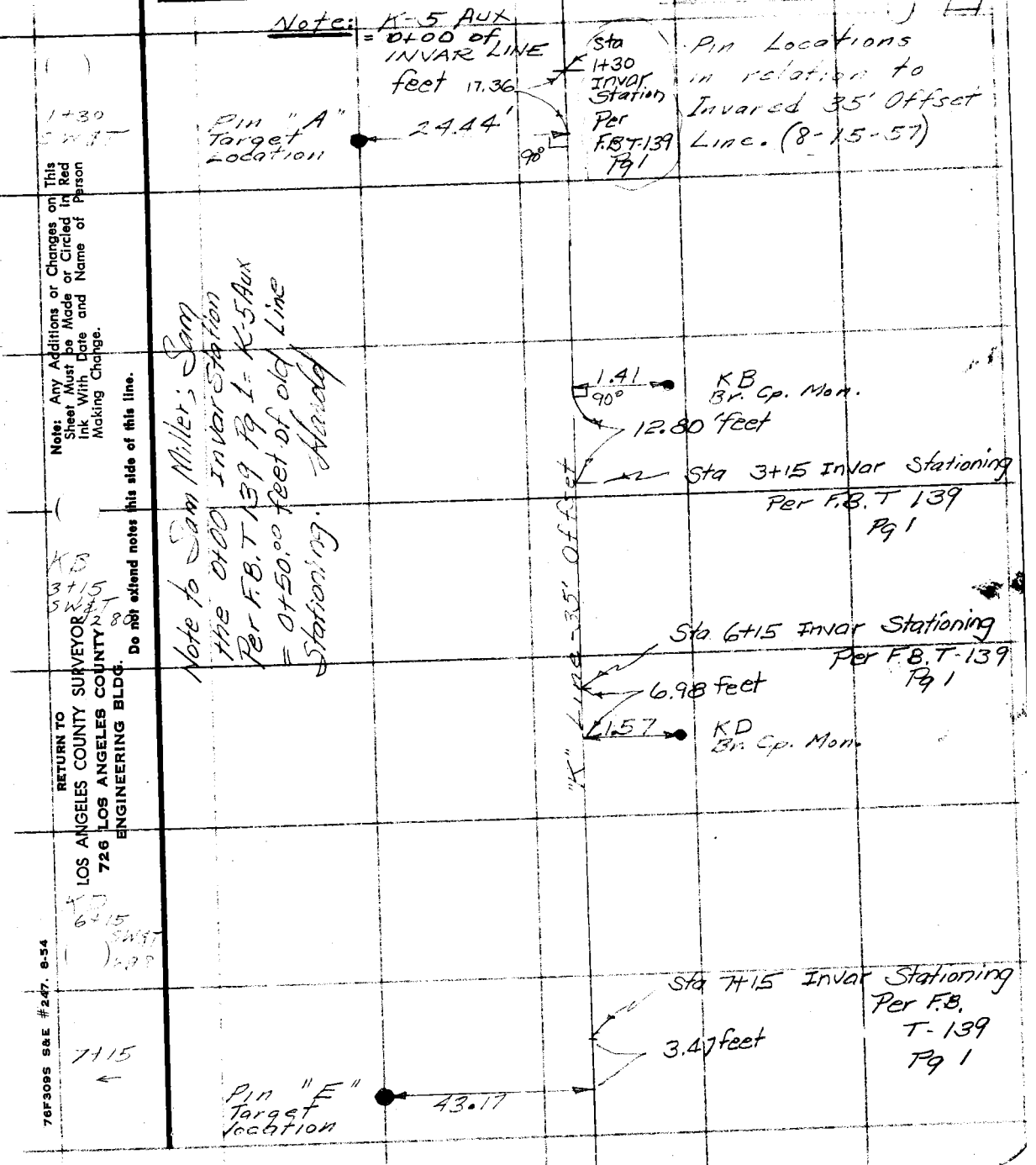
F. B. _____ PG. _____

F. B. [illegible] Pg. 223

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes Ed. Date 8-15-57
Date	Indexed A. C. Johnson 8-19-57



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

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726 LOS ANGELES COUNTY
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76F309S S&E #247. 8-54

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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F.B. 7240 PG. 224

Notes Ck'd by	Survey of Port Hand Landslide
Map No.	JN 0021.64 Tape 139 Std. 84 °F
Office Work	Surveyed by Lind
Checked	Notes Lind Date 8-57
Date	Indexed [redacted]

F. B. 949 PG. 227

Note: New Tilt pts. 10-28-57 See: pg. 37 & 38

Pin "B" Comparisons

Date	Shear Total	Shear Period	Period Tilt N+S-	Period Tilt E+W-	Total Days	Daily Aver. Shear	Total Tilt N+S-	Total Tilt E+W-
8-8-57	16.41	—	—	—	0	—	+0.95	+0.54
10-28-57	11.51	4.90		(New	Tilt	pts.) →	+0.08	-0.03
10-29	11.43	0.08	0.05		81 82		+0.13	-0.12
10-30	11.41	0.02	0.03	0.03	83		+0.16	-0.09
10-31	11.35	0.06	0.06	0.02	84		+0.12	-0.11
11-1	11.33	0.02	0.01	0.04	85		+0.11	-0.07
11-4	11.10	0.23	0.01	0.01	88		+0.12	-0.08
11-5	11.10	0.00	0.00	0.00	89		+0.12	-0.08
11-6	11.05	0.05	0.02	0.01	90		+0.14	-0.07
11-7	10.99	0.06	0.02	0.00	91		+0.12	-0.07
11-8	10.92	0.07	0.01	0.00	92		+0.13	-0.07
11-12	10.77	0.15	0.01	0.00	96		+0.12	-0.07
11-13	10.67	0.10	0.00	0.00	97		+0.12	-0.07
11-14	10.65	0.02	0.00	0.00	98		+0.12	-0.07
11-15	10.58	0.07	0.00	0.01	99		+0.12	-0.08
11-18	10.49	0.09	0.00	0.00	102		+0.12	-0.08
11-19	10.42	0.07	0.00	0.00	103		+0.12	-0.08
11-20	10.40	0.02	0.00	0.00	104		+0.12	-0.08
11-21	10.37	0.03	0.02	0.00	105		+0.14	-0.08
11-22	10.33	0.04	0.02	0.01	106		+0.12	-0.07
Note:	New	Target	~~Tilt Pts~~		(11-22-57) See		F.B. 950-83	
11-22	10.85	—			1		+0.12	-0.07
11-25	10.66	0.19	0.01	0.01	4		+0.11	-0.06
11-26	10.65	0.01	0.02	0.01	5		+0.13	-0.07
11-27	10.59	0.06	0.00	0.05	6		+0.13	-0.07
11-29	10.51	0.08	0.02	0.05	8		+0.15	-0.07
12-2	10.35	0.16	0.02	0.00	11		+0.13	-0.07
12-3	10.33	0.02	0.00	0.00			+0.13	-0.07

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76F309S S&E #247 1-56

F. B. 949 PG. 228

PIN "B"

DATE	SHEAR TOTAL	SHEAR PERIOD	PERIOD N&S	TILT E&W	TOTAL DAYS	AV. SHEAR	TOTAL N&S	TILT E&W
12-4	10.28	0.05	0.00	0.00	118		+0.13	-0.07
12-5	10.22	0.06	0.00	0.00			+0.13	-0.07
12-6	10.15	0.07	0.00	0.00			+0.13	-0.07
12-9	10.05	0.10	0.00	0.00			+0.13	-0.07
12-10	9.96	0.09	0.00	0.00			+0.13	-0.07
12-11	9.89	0.07	0.00	0.00		0.050	+0.13	-0.07
12-12	9.85	0.04	0.00	0.00			+0.13	-0.07
12-13	9.79	0.06	0.00	0.00			+0.13	-0.07
12-16	9.68	0.11	0.00	0.00			+0.13	-0.07
12-17	9.61	0.07	0.00	0.00			+0.13	-0.07
12-18	9.51	0.10						
12-19	9.47	0.04						
12-20	9.44	0.03						
12-23	9.25	0.19						
12-26	9.16	0.09						
12-[illegible]	[illegible]	[illegible]						
1-2-58	8.77	0.27						
1-6	8.60	0.17						
1-9	8.42	0.18						
1-13	8.24	0.18						
1-16	8.10	0.14						
1-20	7.92	0.18						
1-23	7.73	0.19						
1-27	7.47	0.26						
1-30	7.35	0.12						
2-3	7.09	0.26						
2-6	6.88	0.21						
2-10	6.69	0.19						
2-13	6.48	0.21						

Note! Discontinued tilt measurements do to rock & sand in tunnels.

CONT TO PG. 203

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Notes Ck'd by	Survey of Port Bend Landslide
Map No.	JN 0021.64 Tape 138 Std. 84 °F
Office Work	Surveyed by STOCK
Checked	Notes LINO Date 8-57
Date	Indexed A. C. Johnson 10-30-57

F. B. 949 Pg. 225

PIN "A" COMPARISONS

DATE	SHEAR TOTAL	SHEAR PERIOD	PERIOD TILT N+ S-	PERIOD TILT E+ W-	TOTAL DAYS	DAILY AVER. SHEAR	TOTAL TILT N+ S-	TOTAL TILT E+ W-
8-8-57	24.74	—	—	—	0	0	+0.35	−0.02
8-9-57	24.69	0.05	0.17	0.10	1		+0.18	+0.08
8-12-57	24.57	+0.12	0.13	0.09	4		+0.31	+0.17
8-13-57	24.50	0.07			5			
8-14-57	24.44	0.06			6			
8-15-57	24.40	0.04			7			
8-16-57	24.37	0.03			8	0.046		
8-19-57	24.23	0.14			11			
8-20-57	24.19	0.04			12			
8-21-57	24.12	0.07			13			
8-22-57	24.05	0.07			14			
8-23	24.05	0.00			15	0.046		
8-26	23.92	0.13			18			
8-27	23.85	0.07			19			
8-28	23.79	0.06			20			
8-29	23.73	0.06			21			
8-30	23.69	0.04			22	0.048		
9-3	23.47	0.22			26			
9-4	23.44	0.03			27			
9-5	23.39	0.05			28			
9-6	23.36	0.03			29			
9-10	23.16	0.20			33			
9-11	23.06	0.10			34			
9-12	23.00	0.06			35	0.050		
9-13	22.94	0.06			36			
9-16	22.77	0.17			39			
9-17	22.67	0.08			40			

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76F309S S&E #247 1-56

F. B. 949 Pg. 126

Pin "A"

Date	Shear Total	Shear Period	Period Tilt		Total Days	Daily Au. Shear	Total Tilt	
9-18	22.65	0.04	—	—	41		—	—
9-19	22.62	0.03			42			
9-20	22.58	0.04			43	0.050		
9-23	22.46	0.12			46			
9-24	22.32	0.14			47			
9-25	22.23	0.09			48			
9-26	22.18	0.05			49			
9-27	22.14	0.04			50			
9-30	21.94	0.20			53			
10-1	21.86	0.08			54			
10-2	21.81	0.05			55			
10-3	21.74	0.07			56			
10-4	21.67	0.07			57			
10-7	21.46	0.21			60			
10-8	21.41	0.05			61			
10-9	21.35	0.06			62			
10-10	21.33	0.02			63			
10-11	21.24	0.09			64			
10-14	21.07	0.17			67			
10-15	20.93	0.14			68			
10-16	20.92	0.01			69			
10-17	20.79	0.13			70			
10-18	20.71	0.08			71			
10-21	20.53	0.18			74			
10-22	20.44	0.09			75			
10-23	20.38	0.06			76			
10-24	—	—			77			
10-25	—	—			78			

Con't. F.B. 950-57

Note: Old target destroyed (10-24-57)

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Notes Ck'd by	Survey of Port. Bond Landslide F. B. 141 PG. 229
Map No.	JN 0021.64 Tape 139 Std 84 °F
Office Work	Surveyed by Lind
Checked	Notes Lind Date 8-57
Date	Indexed A. C. Johnson

Pin "D" Comparisons

Date	Shear Total	Shear Period	Period Tilt N+ S-	Period Tilt E+ W-	Total Days	Daily Aver. Shear	Total Tilt N+ S-	Total Tilt E+ W-
8-16	23.82	—	—	—	0	—	+0.01	
8-19	23.63	0.19	0.03		3		+0.04	
8-20	23.52	0.11	0.06		4		+0.10	
8-21	23.46	0.06	0.01		5		+0.09	
8-22	23.42	0.04	0.02		6		+0.11	
8-23	23.34	0.08	0.01		7	0.069	+0.10	No. E. W.
8-26	23.11	0.23	0.04		10		+0.14	
8-27	23.04	0.07	0.01		11		+0.15	
8-28	22.98	0.06	0.00		12		+0.15	
8-29	22.88	0.10	0.04		13		+0.19	
8-30	22.83	0.05	0.00		14	0.071	+0.19	
9-3	22.52	0.31	0.06		18		+0.~~35~~ 25 ?	
9-4	22.45	0.07	0.00		19		+0.25	
9-5	22.35	0.10	0.01		20		+0.26	
9-6	22.28	0.07	0.02		21		+0.28	
9-10	22.12	0.16	0.03		25		+0.31	
~~9-11~~	~~22.17~~	~~0.05~~	~~0.03~~	?	~~26~~		~~+0.34~~	
9-11	21.95	0.17	0.03		26	—	+0.34	
9-12	21.85	0.10	0.00		27		+0.34	
9-13	21.75	0.10	0.05		28		+0.39	
9-16	21.55	0.20	0.01		31		+0.38	
9-17	21.46	0.09	0.00		32		+0.38	
9-18	21.39	0.07	0.00		33		+0.38	
9-19	21.32	0.07	0.04		34		+0.42	
9-20	21.26	0.06	0.00		35	0.073	+0.42	
9-23	21.00	0.26	0.03		38		+0.45	
9-24	20.93	0.07	0.01		39		+0.46	
9-25	20.86	0.07	0.03		40		+0.49	

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76F309S S&E #247 1-56

F. B. 949 PG. 230

PIN "D"

DATE	SHEAR TOTAL	SHEAR PERIOD	PERIOD TILT N+S-	PERIOD TILT E+W-	TOTAL DAYS	DAILY AV. SHEAR	TOTAL TILT N+S-	TOTAL TILT E+W-
9-26	20.77	0.09	+0.04		41		+0.53	
9-27	20.73	0.04	+0.04		42		+0.49	
9-30	20.50	0.23	0.04		45		+0.53	
10-1	20.36	0.14	0.03		46		+0.56	
10-2	20.32	0.04	0.01		47		+0.57	
10-3	20.22	0.10	0.01		48		+0.56	
10-4	20.15	0.07	0.00		49		+0.56	
10-7	19.93	0.22	0.05		52		+0.61	
10-8	19.84	0.09	0.00		53		+0.61	
10-9	19.81	0.03	0.02		54		+0.63	
10-10	19.70	0.11	0.00		55		+0.63	
10-11	19.63	0.07	—		56		—	
10-14	19.52	0.11			59			
10-15	19.37	0.15	—		60			
10-16	19.29	0.08			61			
10-17	19.20	0.09			62			
10-18	[illegible]	[illegible]			[illegible]			
10-21	18.86	0.25			66			
10-22	18.78	0.08			67			
10-23	18.70	0.08			68			
10-24	18.62	0.08			69			
10-25	18.51	0.11			70			

Note: Target is loose on mounting. 10-11-57, E.F.E. Future shear readings questionable.

Cont. F.B. 950 - 59

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Notes Ck'd by	Survey of PORT. BEND LANDSLIDE
Map No.	JN 0221.64 Tape 139 Std 84 °F
Office Work	Surveyed by Lind
Checked	Notes Lind Date 8-57
Date	Indexed J. C. Johnson

F. B. 949 PG. 231

Pin "E" Comparisons

Date	Shear Total	Shear Period	Period Tilt N+ S-	Period Tilt E+ W-	Total Days	Daily Aver. Shear	Total N+ S-	Tilt E+ W-
8-2-57	9.09	—	—	—	0	—	+0.31	-0.22
8-6-57	8.77	0.32	0.00	0.00	4		+0.31	-0.22
8-8-57	8.64	0.13	0.04	0.00	6		+0.35	-0.22
8-9-57	8.54	0.10	0.01	0.00	7	0.079	+0.36	-0.22
8-12-57	8.36	0.18	0.04	0.00	10		+0.40	-0.22
8-13-57	8.32	0.04	0.02	0.02	11		+0.42	-0.20
8-14-57	8.26	0.06	0.00	0.01	12		+0.42	-0.21
8-15-57	8.17	0.09	0.02	0.01	13		+0.44	-0.20
8-16-57	8.13	0.04	0.01	0.01	14	0.069	+0.45	-0.21
8-19-57	7.96	0.17	0.03	0.00	17		+0.48	-0.21
8-20-57	7.91	0.05	0.01	0.00	18		+0.49	-0.21
8-21	7.85	0.06	0.01	0.00	19		+0.50	-0.21
8-22	7.76	0.09	0.00	0.00	20		+0.50	-0.21
8-23	7.72	0.04	0.02	0.01	21	0.065	+0.52	-0.20
8-26	7.55	0.17	0.05	0.00	24		+0.57	-0.20
8-27	7.47	0.08	0.00	0.00	25		+0.57	-0.20
8-28	7.42	0.05	0.01	0.00	26		+0.58	-0.20
8-29	7.35	0.07	0.02	0.01	27		+0.60	-0.19
8-30	7.29	0.06	0.00	0.00	28	0.064	+0.60	-0.19
9-3	7.05	0.24	0.04	0.01	32		+0.64	-0.18
9-4	6.99	0.06	0.01	0.01	33		+0.65	-0.19
9-5	6.95	0.04	0.01	0.01	34		+0.66	-0.18
9-6	6.87	0.08	0.01	0.00	35		+0.67	-0.18
9-10	6.62	0.25	0.06	0.01	39		+0.73	-0.19
9-11	6.57	0.05	0.00	0.02	40		+0.73	-0.17
9-12	6.52	0.05	0.00	0.02	41		+0.73	-0.19

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76F309S SAE #247 1-56

F. B. 949 Pg. 232

"E" PIN

DATE	SHEAR TOTAL	SHEAR PERIOD	PERIOD TILT N & S	PERIOD TILT E & W	TOTAL DAYS	DAILY AV. SHEAR	TOTAL TILT N & S	TOTAL TILT E & W
9-13	6.44	0.08	0.01	0.01	42		+0.74	-0.18
9-16	6.25	0.19	0.03	0.00	45		+0.77	-0.18
9-17	6.18	0.07	0.00	0.01	46		+0.77	-0.17
9-18	6.13	0.05	0.02	0.00	47		+0.79	-0.17
9-19	6.06	0.07	0.01	0.00	48		+0.80	-0.17
9-20	6.01	0.05	0.02	0.01	49		+0.82	-0.18
9-23	5.81	0.20	0.01	0.00	52		+0.83	-0.18
9-24	5.75	0.06	0.00	0.02	53		+0.83	-0.16
9-25	5.68	0.07	0.03	0.01	54		+0.86	-0.15
9-26	5.61	0.07	0.00	0.02	55		+0.86	-0.17
9-27	5.54	0.07	0.02	0.00	56		+0.84	-0.17
9-30	5.36	0.18	0.03	0.02	59		+0.87	-0.15
10-1	5.29	0.07	0.03	0.02	60		+0.90	-0.17
10-2	5.22	0.07	0.00	0.01	61		+0.90	-0.16
10-3	5.15	0.07	0.00	0.00	62		+0.90	-0.16
10-4	5.10	0.05	0.00	0.01	63		+0.90	-0.17
10-7	4.88	0.22	0.03	0.01	66		+0.93	-0.18
10-8	4.84	0.04	0.00	0.00	67		+0.93	-0.18
10-9	4.78	0.06	0.02	0.00	68		+0.95	-0.18
10-10	4.70	0.08	0.01	0.02	69		+0.96	-0.20
10-11	4.65	0.05	0.02	0.00	70		+0.98	-0.20
10-14	4.46	0.19	0.03	0.01	73		+1.01	-0.19
10-15	4.36	0.10	0.00	0.02	74		+1.01	-0.21
10-16	4.32	0.04	0.01	0.02	75		+1.02	-0.19
10-17	4.24	0.08	0.02	0.04	76		+1.04	-0.23
10-18	4.18	0.06	0.02	0.01	77		+1.06	-0.24
10-21	3.98	0.20	0.05	0.02	80		+1.11	-0.22
10-22	3.90	0.08	0.00	0.02	81		+1.11	-0.24
10-23	3.85	0.05	0.00	0.03	82		+1.11	-0.21
10-24	3.78	0.07			83			
10-25	3.71	0.07			84			

Con't. F.B. 950-61

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

Notes Ck'd by	Survey of Pert. Bend Landslide F. B. 149 PG. 233
Map No.	JN 0021.64 Tape 139 Std 84 °F
Office Work	Surveyed by Lind
Checked	Notes Lind Date 8-57
Date	Indexed A. C. Johnson

COMPARISON SHEET
"K A"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AVER. SHEAR
7-24	0--	—	—	—
7-25	0.08	0.08	1	0.08
7-26	0.16	0.08	2	0.08
7-29	0.39	0.23	5	0.078
7-30	0.49	0.10	6	0.081
8-1	0.53	0.04	8	0.066
8-2	0.56	0.03	9	0.062
8-5	0.71	0.15	12	0.059
8-6	0.77	0.06	13	0.059
8-8	0.87	0.10	15	0.058
8-9	0.90	0.03	16	0.05
8-12	1.05	0.15	19	0.055
8-13	1.12	0.07	20	0.056
8-14	1.19	0.07	21	0.057
8-15	1.24	0.05	22	0.056
8-16	1.25	0.01	23	0.054
8-19	1.39	0.14	26	0.054
8-20	1.42	0.03	27	0.052
8-21	1.50	0.08	28	
8-22	1.55	0.05	29	
8-23	1.58	0.03	30	0.053
8-26	1.72	0.14	33	
8-27	1.78	0.06	34	
8-28	1.82	0.04	35	
8-29	1.87	0.05	36	
8-30	1.88	0.01	37	0.051
9-3	2.09	0.21	41	
9-4	2.13	0.04	42	

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

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

76F309S S&E #247 1-56

"KA"

F. B. 949 Pg. 234

date	total shear	Period	total days	daily aver. shear
9-5	2.18	0.05	43	
9-6	2.21	0.03	44	
9-10	2.38	0.17	48	
9-11	2.45	0.07	49	0.050
9-12	2.49	0.04	50	
9-13	2.54	0.05	51	
9-16	2.67	0.13	54	
9-17	2.73	0.06	55	
9-18	2.79	0.06	56	
9-19	2.82	0.03	57	
9-20	2.86	0.04	58	
9-23	2.96	0.10	61	
9-24	3.06	0.10	62	
9-25	3.14	0.08	63	
9-26	3.16	0.02	64	
9-27	3.20	0.04	65	
9-30	3.33	0.13	68	
10-1	3.39	0.06	69	
10-2	3.43	0.04	70	
10-3	3.48	0.05	71	
10-4	3.54	0.06	72	
10-7	3.66	0.12	75	
10-8	3.71	0.05	76	
10-9	3.73	0.02	77	
10-10	3.80	0.07	78	
10-11	3.85	0.05	79	
10-14	4.00	0.15	82	
10-15	4.03	0.03	83	
10-16	4.07	0.04	84	
10-17	4.13	0.06	85	
10-18	4.20	0.07	86	
10-21	4.30	0.10	89	
10-22	4.36	0.06	90	
10-23	4.40	0.04	91	
10-24	4.49	0.09	92	
10-25	4.51	0.02	93	

Con't. F.B. 950-63

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

Notes Ck'd by	Survey of Port. Bend Landfill
Map No.	JN 0021.64 Tape 139 Std. 84 °F
Office Work	Surveyed by Lund
Checked	Notes Lund Date 8-57
Date	Indexed C. Johnson

F. B. 949 Pg. 235

COMPARISON SHEET
"KB"

Days	Shear	Total Period	Total Days	Daily Aver. Shear
7-24	0.00	—	—	-
7-25	0.11	0.11	1	0.11
7-26	0.16	0.05	2	0.08
7-29	0.44	0.28	5	0.088
7-30	0.59	0.15	6	0.098
8-1	0.60	0.01	8	0.075
8-2	0.64	0.04	9	0.071
8-5	0.80	0.16	12	0.067
8-6	0.89	0.09	13	0.068
8-8	1.01	0.12	15	0.067
8-9	1.07	0.06	16	0.067
8-12	1.24	0.17	19	0.065
8-13	1.28	0.04	20	0.064
8-14	1.34	0.06	21	0.064
8-15	1.41	0.07	22	0.064
8-16	1.40	-0.01	23	0.061
8-19	1.58	0.18	26	0.061
8-20	1.63	0.05	27	0.060
8-21	1.70	0.07	28	
8-22	1.75	0.05	29	
8-23	1.80	0.05	30	0.060
8-26	1.93	0.13	33	
8-27	1.99	0.06	34	
8-28	2.05	0.06	35	
8-29	2.13	0.08	36	
8-30	2.15	0.02	37	0.058
9-3	2.35	0.20	41	
9-4	2.41	0.06	42	

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

Do not extend this side of this line.

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

76F3095 S&E #247 1-56

F. B. 941 Pg. 236 "KB"

date	total shear	Period shear	total days	Daily Aver. shear
9-6	2.44	0.03	43	
9-6	2.48	0.04	44	
9-10	2.68	0.20	48	
9-11	2.75	0.07	49	0.056
9-12	2.80	0.05	50	
9-13	2.87	0.07	51	
9-16	3.01	0.14	54	
9-17	3.03	0.02	55	
9-18	3.10	0.07	56	
9-19	3.19	0.09	57	
9-20	3.24	0.05	58	
9-23	3.35	0.11	61	
9-24	3.44	0.09	62	
9-25	3.54	0.10	63	
9-26	3.56	0.02	64	
9-27	3.61	0.05	65	
9-30	3.74	0.13	68	
10-1	3.83	0.09	69	
10-2	3.85	0.02	70	
10-3	3.90	0.05	71	
10-4	3.97	0.07	72	
10-7	4.09	0.12	75	
10-8	4.16	0.07	76	
10-9	4.22	0.06	77	
10-10	4.26	0.04	78	
10-11	4.32	0.06	79	
10-14	4.52	0.20	82	
10-15	4.49	-0.03	83	
10-16	4.55	0.06	84	
10-17	4.60	0.05	85	
10-18	4.66	0.06	86	
10-21	4.74	0.08	89	
10-22	4.87	0.13	90	CHECKED
10-23	4.91	0.04	91	
10-24	5.00	0.09	92	
10-25	5.01	0.01	93	

Con't. F.B. 950-65

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

Notes Ck'd by	Survey of Port Beach Landslide
Map No.	JN 0021.64 Tape 139 Std 84 °F
Office Work	Surveyed by L. LIND
Checked	Notes Lind Date 8-57
Date	Indexed K. C. Johnson

F. B. 149 PG. 237

COMPARISON SHEET
KBC

Days	Linear Total	Period	Total Days	Daily Rate
7-24	0	—		
7-25	0.07	0.07	1	0.070
7-26	0.16	0.09	2	0.080
7-29	0.44	0.28	5	0.088
7-30	0.61	0.17	6	0.102
8-1	0.69	0.08	8	0.086
8-2	0.78	0.09	9	0.077
8-5	[illegible]	0.17	12	0.08
8-6	[illegible]	0.12	13	0.075
8-8	1.12	0.14	15	0.074
8-9	1.18	0.06	16	0.074
8-12	1.36	0.18	19	0.072
8-13	1.44	0.08	20	0.072
8-14	1.50	0.06	21	
8-15	1.57	0.07	22	
8-16	1.63	0.06	23	0.071
8-19	1.81	0.18	26	
8-20	1.85	0.04	27	
8-21	1.94	0.09	28	
8-22	2.00	0.06	29	
8-23	2.06	0.06	30	0.069
8-26	2.22	0.16	33	
8-27	2.28	0.06	34	
8-28	2.34	0.06	35	
8-29	2.41	0.07	36	
8-30	2.47	0.06	37	0.067
9-3	2.67	0.20	41	
9-4	2.73	0.06	42	

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 1-56

"K.B.C."

F. B. 941 Pg. 238

Date	total Shear	Period Shear	total days	Daily Aver. Shear	
9-5	2.79	0.06	43		
9-6	2.87	0.08	44		
9-10	3.09	0.22	48		
9-11	3.15	0.06	49	0.064	
9-12	3.21	0.06	50		
9-13	3.28	0.07	51		
9-16	3.45	0.17	54		
9-17	3.48	0.03	55		
9-18	3.55	0.07	56		
9-19	3.63	0.08	57		
9-20	3.69	0.06	58		
9-23	3.84	0.15	61		
9-24	3.96	0.12	62		
9-25	4.00	0.04	63		
9-26	4.07	0.07	64		
9-27	4.16	0.09	65		
9-30	4.29	0.13	68		
10-1	4.36	0.07	69		
10-2	4.42	0.06	70		
10-3	4.48	0.06	71		
10-4	4.57	0.09	72		
10-7	4.71	0.14	75		
10-8	4.77	0.06	76		Note: "K.B.C." Br. Cp. Mon. destroyed 10-10-57 By Tractor now using 6" Offset I.P.
10-9	4.82	0.05	77		
10-10	4.89	0.07	78		
10-11	4.96	0.07	79		
10-14	5.11	0.15	82		
10-15	5.27	0.16	83		
10-16	5.27	0.00	84		
10-17	5.33	0.06	85		
10-18	5.40	0.07	86		
10-21	5.59	0.19	89		
10-22	5.65	0.06	90		
10-23	5.70	0.05	91		
10-24	5.77	0.07	92		
10-25	5.85	0.08	93		

Cont. F.B. 950-67

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

Portuguese

Notes Ck'd by	Survey of Bend Landslide
Map No.	JN 0021.64 Tape 139 Std 84 °F
Office Work	Surveyed by Lind
Checked	Notes Lind Date 8-57
Date	Indexed K. C. Johnson

F. B. 949 PG. 239

COMPARISON SHEET "KC"

Days	Shear Total	Shear Period	Total Days	Daily Aver. Shear
7-24	0.00	0	0	-
7-25	0.08	0.08	1	0.08
7-26	0.14	0.06	2	0.07
7-29	0.44	0.30	5	0.088
7-30	0.60	0.16	6	0.10
8-1	0.68	0.08	8	0.085
8-2	0.68	0.00	9	0.076
8-5	0.86	0.18	12	0.072
8-6	0.97	0.11	13	0.075
8-8	1.12	0.15	15	0.074
8-9	1.16	0.04	16	0.073
8-12	1.35	0.19	19	0.071
8-13	1.42	0.07	20	0.071
8-14	1.49	0.07	21	0.071
8-15	1.55	0.06	22	0.070
8-16	1.60	0.05	23	0.070
8-19	1.78	0.18	26	
8-20	1.84	0.06	27	
8-21	1.91	0.07	28	
8-22	1.95	0.04	29	
8-23	2.00	0.05	30	0.067
8-26	2.18	0.18	33	
8-27	2.23	0.05	34	
8-28	2.30	0.07	35	
8-29	2.38	0.08	36	
8-30	2.42	0.04	37	0.065
9-3	2.63	0.21	41	
9-4	2.68	0.05	42	

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

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

Do not extend this side of this line.

76F309S S&E #247 1-56

"K.C"

F. B. 949 Pg. 240

date	total shear	Period shear	total days	Daily Aver. shear	
9-5	2.74	0.06	43		
9-6	2.81	0.07	44		
9-10	3.05	0.24	48		
9-11	3.11	0.06	49	0.063	
9-12	3.16	0.05	50		
9-13	3.22	0.06	51		
9-16	3.40	0.18	54		
9-17	3.45	0.05	55		
9-18	3.51	0.06	56		
9-19	3.58	0.07	57		
9-20	3.64	0.06	58		
9-23	3.72	0.08	61		
9-24	3.90	0.18	62		
9-25	3.94	0.04	63		
9-26	4.00	0.06	64		
9-27	4.06	0.06	65		
9-30	4.22	0.16	68		
10-1	4.29	0.07	69		
10-2	4.35	0.06	70		
10-3	4.39	0.04	71		
10-4	4.47	0.08	72		
10-7	4.63	0.16	75		
10-8	4.69	0.06	76		
10-9	4.74	0.05	77		
10-10	4.80	0.06	78		
10-11	4.86	0.06	79		
10-14	4.99	0.13	82		
10-15	5.13	0.14	83		
10-16	5.18	0.05	84		
10-17	5.24	0.06	85		
10-18	5.31	0.07	86		
10-21	5.50	0.19	89		
10-22	5.55	0.05	90		
10-23	5.63	0.08	91		
10-24	5.68	0.05	92		
10-25	5.75	0.07	93		

Con't. F.B. 950-69

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

Notes Ck'd by	Survey of Bond Landslide
Map No.	JN 2021.64 Tape 137 Std 64 °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed K. C. Johnson

F. B. 949 PG. 241

COMPARISON SHEET
"KD"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AVER SHEAR
7-24	0	—	—	—
7-25	0.09	0.09	1	0.09
7-26	0.17	0.08	2	0.085
7-29	0.46	0.29	5	0.081
7-30	0.66	0.20	6	0.11
8-1	0.74	0.08	8	0.092
8-2	0.74	0.00	9	0.082
8-5	0.89	0.15	12	0.074
8-6	1.01	0.12	13	0.078
8-8	1.16	0.15	15	0.078
8-9	1.16	0.00	16	0.073
8-12	1.42	0.26	19	0.073
8-13	1.47	0.05	20	0.074
8-14	1.51	0.04	21	0.072
8-15	1.57	0.06	22	0.071
8-16	1.62	0.05	23	0.070
8-19	1.77	0.15	26	
8-20	1.82	0.05	27	
8-21	1.90	0.10	28	
8-22	1.95	0.05	29	
8-23	2.00	0.05	30	0.067
8-26	2.15	0.15	33	
8-27	2.19	0.04	34	
8-28	2.24	0.05	35	
8-29	2.32	0.08	36	
8-30	2.37	0.05	37	0.064
9-3	2.58	0.21	41	
9-4	2.61	0.03	42	

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

Do not extend this side of this line.

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

76F309S S&E #247 1-56

F. B. 949 Pg. 242

"KD"

date	total shear	Period shear	total days	Daily Aver. shear
9-5	2.68	0.07	43	
9-6	2.72	0.04	44	
9-10	2.97	0.25	48	
9-11	3.01	0.04	49	
9-12	3.08	0.07	50	
9-13	3.16	0.08	51	
9-16	3.29	0.13	54	
9-17	3.37	0.08	55	
9-18	3.41	0.04	56	
9-19	3.47	0.06	57	
9-20	3.50	0.03	58	
9-23	3.61	0.11	61	
9-24	3.74	0.13	62	
9-25	3.80	0.06	63	
9-26	3.86	0.06	64	
9-27	3.91	0.05	65	
9-30	4.08	0.17	68	
10-1	4.13	0.05	69	
10-2	4.18	0.05	70	
10-3	4.24	0.06	71	
10-4	4.31	0.07	72	
10-7	4.47	0.16	75	
10-8	4.52	0.05	76	
10-9	4.57	0.05	77	
10-10	4.63	0.06	78	
10-11	4.68	0.05	79	
10-14	4.80	0.12	82	
10-15	4.93	0.13	83	
10-16	4.97	0.04	84	
10-17	5.02	0.05	85	
10-18	5.09	0.07	86	
10-21	5.28	0.19	89	0.059
10-22	5.33	0.05	90	
10-23	5.37	0.04	91	
10-24	5.44	0.07	92	
10-25	5.49	0.05	93	

Con't. F.B. 950-71

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

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

Preliminary

Notes Ck'd by	Survey of Road Landslide
Map No.	JN 0021.64 Tape 139 Std 84° °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 8-57
Date	Indexed A. C. Johnson

F. B. 949 PG. 243

COMPARISON SHEET
"KAB"

Date	SHEAR TOTAL	PERIOD	TOTAL DAYS	DAILY AVE. SHEAR
7-24	0	—	—	—
7-25	0.10	0.10	1	0.10
7-26	0.16	0.06	2	0.080
7-29	0.41	0.25	5	0.082
7-30	0.53	0.12	6	0.084
8-1	0.59	0.06	8	0.075
8-2	0.61	0.02	9	0.068
8-5	0.77	0.16	12	0.064
8-6	0.85	0.08	13	0.065
8-8	0.94	0.09	15	0.063
8-9	0.95	0.01	16	0.059
8-12	1.16	0.21	19	0.061
8-13	1.21	0.05	20	0.060
8-14	1.27	0.06	21	0.060
8-15	1.33	0.06	22	0.060
8-16	1.35	0.02	23	0.059
8-19	1.51	0.16	26	
8-20	1.56	0.05	27	
8-21	1.61	0.05	28	
8-22	1.66	0.05	29	
8-23	1.72	0.06	30	0.057
8-26	1.85	0.13	33	
8-27	1.91	0.06	34	
8-28	1.94	0.03	35	
8-29	2.02	0.08	36	
8-30	2.03	0.01	37	0.055
9-3	2.24	0.21	41	
9-4	2.28	0.04	42	

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

Do not extend this side of this line.

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

76F3095 SAE #247 1-56

F. B. 949 Pg. 244

"KAB"

date	total shear	Period shear	total days	Daily Aver. shear	
9-5	2.33	0.05	43		
9-6	2.36	0.03	44		
9-10	2.54	0.18	48		
9-11	2.61	0.07	49	0.053	
9-12	2.66	0.05	50		
9-13	2.71	0.05	51		
9-16	2.87	0.16	54		
9-17	2.94	0.07	55		
9-18	2.98	0.04	56		
9-19	3.01	0.03	57		
9-20	3.05	0.04	58		
9-23	3.15	0.10	61		
9-24	3.26	0.11	62		
9-25	3.34	0.08	63		
9-26	3.35	0.01	64		
9-27	3.42	0.07	65		
9-30	3.54	0.12	68		
10-1	3.61	0.07	69		
10-2	3.65	0.04	70		
10-3	3.70	0.05	71		
10-4	3.76	0.06	72		
10-7	3.89	0.13	75		
10-8	3.94	0.05	76		
10-9	3.97	0.03	77		
10-10	4.02	0.05	78		
10-11	4.07	0.05	79		
10-14	4.25	0.18	82		
10-15	4.25	0.00	83		
10-16	4.29	0.04	84		
10-17	4.35	0.06	85		
10-18	4.44	0.09	86		
10-21	4.55	0.11	89	0.051	
10-22	4.60	0.05	90		
10-23	4.65	0.05	91		
10-24	4.74	0.09	92		
10-25	4.76	0.02	93		

Con't. F.B. 950-73

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
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Portuguese

Notes Ck'd by	Survey of Bend Landslide
Map No.	JN 021.64 Tape 139 Std 68 °F
Office Work	Surveyed by Lind
Checked	Notes Lind Date 8-57
Date	Indexed C. Johnson

F. B. 949 PG. 245

COMPARISON SHEET
KDE

DAYS	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AVER. SHEAR
7-28	0 -	—	—	—
7-30	0.16	0.16	2	0.080
8-1	0.21	0.05	4	0.052
8-2	0.26	0.05	5	0.052
8-5	0.42	0.16	8	0.052
8-6	0.48	0.06	9	0.053
8-8	0.63	0.15	11	0.057
8-9	0.65	0.02	12	0.056
8-12	0.86	0.21	15	0.057
8-13	0.90	0.04	16	0.056
8-14	0.95	0.05	17	0.056
8-15	0.98	0.03	18	0.054
8-16	1.05	0.07	19	0.055
8-19	1.22	0.17	22	
8-20	1.23	0.01	23	
8-21	1.25	0.02	24	
8-22	1.32	0.07	25	
8-23	1.35	0.03	26	0.052
8-26	1.51	0.16	29	
8-27	1.56	0.05	30	
8-28	1.59	0.03	31	
8-29	1.63	0.04	32	
8-30	1.68	0.05	33	0.051
9-3	1.89	0.21	37	
9-4	1.92	0.03	38	
9-5	1.97	0.05	39	
9-6	2.01	0.04	40	
9-10	2.19	0.18	44	

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76F309S S&E #247 1-56

F. B. 949 Pg. 246

"KDE"

date	total shear	Period shear	total days	DAILY AVG. shear
9-11	2.25	0.06	45	
9-12	2.28	0.03	46	
9-13	2.34	0.06	47	
9-16	2.49	0.15	50	
9-17	2.53	0.04	51	
9-18	2.58	0.05	52	
9-19	2.63	0.05	53	
9-20	2.68	0.05	54	
9-23	2.84	0.16	57	
9-24	2.87	0.03	58	
9-25	2.92	0.05	59	
9-26	2.99	0.07	60	
9-27	3.04	0.05	61	
9-30	3.16	0.12	64	
10-1	3.21	0.05	65	
10-2	3.27	0.06	66	
10-3	3.32	0.05	67	
10-4	3.35	0.03	68	
10-7	3.51	0.16	71	
10-8	3.56	0.05	72	
10-9	3.59	0.03	73	
10-10	3.66	0.07	74	
10-11	3.70	0.04	75	
10-14	3.85	0.15	78	
10-15	3.92	0.07	79	
10-16	4.00	0.08	80	
10-17	4.04	0.04	81	
10-18	4.10	0.06	82	
10-21	4.26	0.16	85	0.050
10-22	4.30	0.04	86	
10-23	4.35	0.05	87	
10-24	4.39	0.04	88	
10-25	4.46	0.07	89	

Cont. F.B. 950-75

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Notes Ck'd by	Survey of Portuguese Bend Landslide
Map No.	JN 0021.64 Tape 139 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 8-57
Date	Indexed L. G. Johnson

F. B. 949 PG. 241

COMPARISON SHEET "KE"

DATE	SHEAR TOTAL	SHEAR DAILY	TOTAL DAYS	DAILY AVG. SHEAR
7-28	0	0	—	—
7-30	0.16	0.16	2	0.080
8-1	0.21	0.05	4	0.052
8-2	0.26	0.05	5	[illegible]
8-5	0.44	0.18	8	[illegible]
8-6	0.52	0.08	9	[illegible]
8-8	[illegible]	[illegible]	11	[illegible]
8-9	0.65	0.02	12	0.056
8-12	0.84	0.19	15	0.056
8-13	0.87	0.03	16	0.054
8-14	0.94	0.07	17	0.055
8-15	1.00	0.06	18	0.055
8-16	1.02	0.02	19	0.054
8-19	1.18	0.16	22	0.054
8-20	1.19	0.01	23	0.052
8-21	1.27	0.08	24	0.053
8-22	1.32	0.05	25	0.053
8-23	1.38	0.06	26	0.053
8-26	1.55	0.17	29	0.053
8-27	1.57	0.02	30	
8-28	1.61	0.04	31	
8-29	1.68	0.07	32	
8-30	1.72	0.04	33	0.052
9-3	1.92	0.20	37	
9-4	1.97	0.05	38	
9-5	2.01	0.04	39	
9-6	2.07	0.06	40	
9-10	2.26	0.19	44	

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PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S S&E #247 1-56

F. B. 949 Pg. 248

"KE"

DATE	SHEAR TOTAL	SHEAR PERIOD	DAYS	DAILY AV. SHEAR
9-11	2.31	0.05	45	0.051
9-12	2.36	0.05	46	
9-13	2.40	0.04	47	
9-16	2.55	0.15	50	
9-17	2.60	0.05	51	
9-18	2.66	0.06	52	
9-19	2.71	0.05	53	
9-20	2.77	0.06	54	
9-23	2.91	0.14	57	
9-24	2.95	0.04	58	
9-25	3.02	0.07	59	
9-26	3.08	0.06	60	
9-27	3.12	0.04	61	
9-30	3.26	0.14	64	
10-1	3.31	0.05	65	
10-2	3.36	0.05	66	
10-3	3.42	0.06	67	
10-4	3.46	0.04	68	
10-7	3.64	0.18	71	
10-8	3.69	0.05	72	
10-9	3.72	0.03	73	
10-10	3.78	0.06	74	
10-11	3.83	0.05	75	
10-14	3.99	0.16	78	
10-15	4.07	0.08	79	
10-16	4.11	0.04	80	
10-17	4.17	0.06	81	
10-18	4.23	0.06	82	
10-21	4.39	0.16	85	0.052
10-22	4.45	0.06	86	
10-23	4.51	0.06	87	
10-24	4.56	0.05	88	
10-25	4.61	0.05	89	

Con't. F.B. 950-77

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700 Los Angeles County Engineering Bldg.

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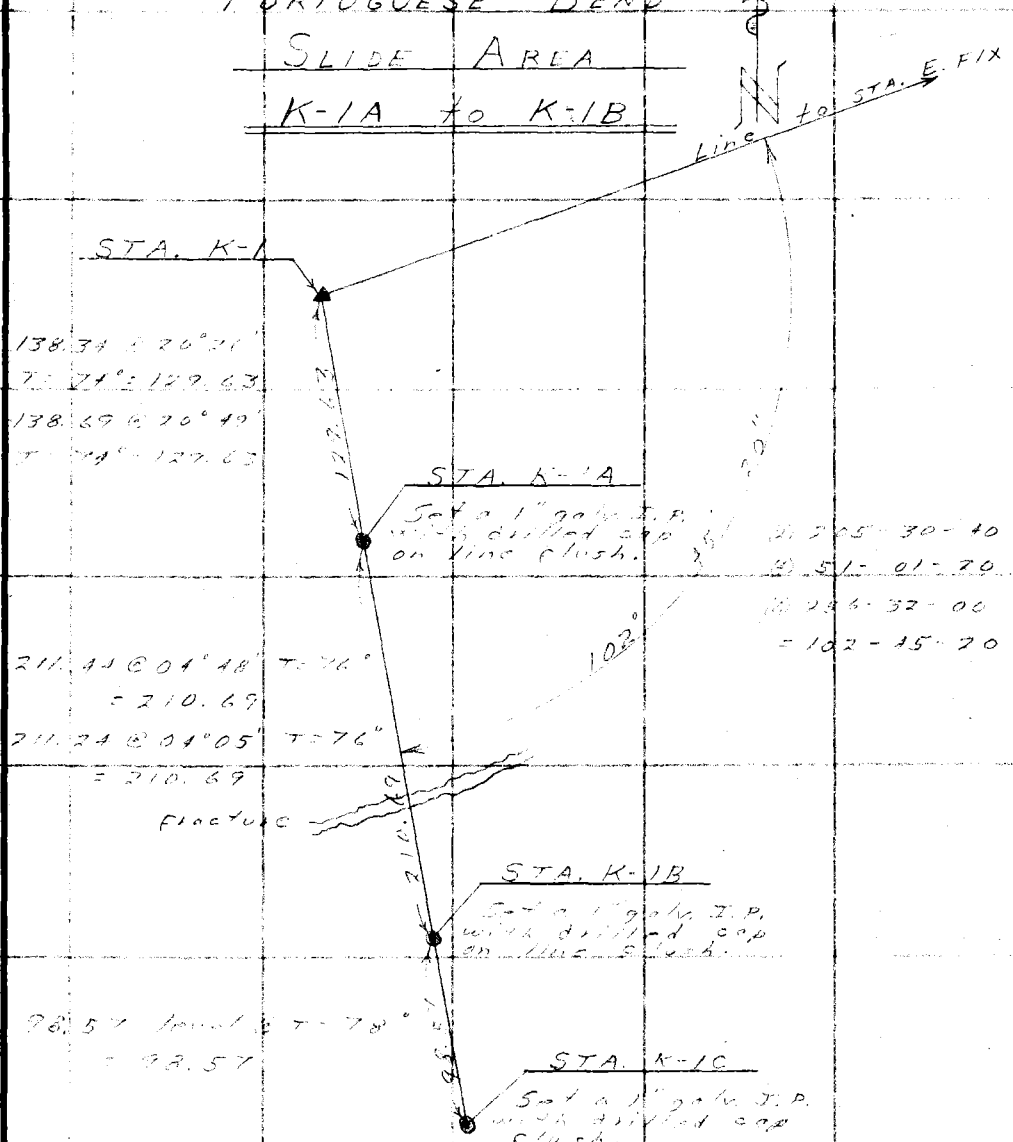
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 53 St'd. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 5-18-[illegible]
Date	Indexed R. C. Johnson 10-30-57

F. B. [illegible] PG. 249

PORTUGUESE BEND

SLIDE AREA

K-1A to K-1B



See next pg. for comparison sheet.

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

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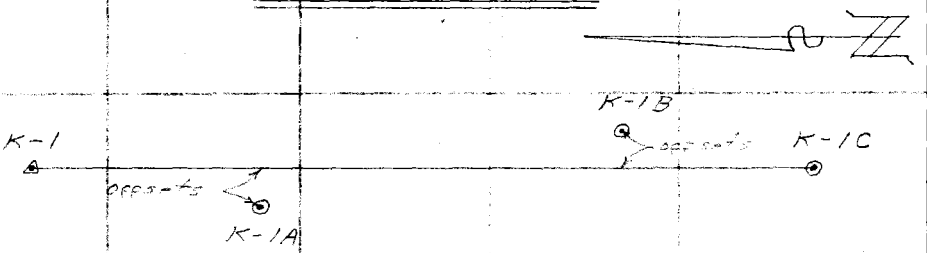
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 949 PG. 950

COMPARISON SHEET
K1A - K1B



PERIOD

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	LINE	SPREAD
5-16-57	K1A 0.00 K1B 0.00	210.69	0.00	—	—
5-23-57	K1A 0.05 K1B 0.02	210.58	-0.11	K1A 0.05 K1B 0.02	-0.11
6-6-57	K1A 0.11 K1B 0.04	210.37	-0.30	K1A 0.06 K1B 0.02	-0.19
6-12-57	K1A 0.14 K1B 0.06	210.33	-0.36	K1A 0.03 K1B 0.02	-0.06
6-19-57	K1A 0.16 K1B 0.07	210.22	-0.47	K1A 0.02 K1B [illegible]	-0.11
6-28-57	K1A 0.18 K1B 0.10	210.10	-0.59	K1A 0.02 K1B 0.03	-0.12
7-1-57	K1A 0.18 K1B 0.10	210.10	-0.59	K1A 0.00 K1B 0.00	0.00
7-8-57	K1A 0.23 K1B 0.13	209.98	-0.71	K1A 0.05 K1B 0.03	-0.12
7-15-57	K1A 0.27 K1B 0.13	209.87	-0.82	K1A 0.04 K1B 0.00	-0.11
7-23-57	K1A 0.30 K1B 0.18	209.74	-0.95	K1A 0.03 K1B 0.05	-0.13
7-29-57	K1A 0.25 K1B 0.18	209.65	-1.04	K1A 0.05 K1B 0.00	-0.09
8-5-57	K1A 0.35 K1B 0.17	209.57	-1.12	K1A 0.10 K1B 0.01	-0.08
8-13-57	K1A 0.38 K1B 0.19	209.40	-1.29	0.03 0.02	-0.17
8-19-57	K1A 0.39 K1B 0.19	209.34	-1.35	K1A 0.01 K1B 0.00	-0.06

Cont. to F.B. 950 - 19

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720 LOS ANGELES COUNTY
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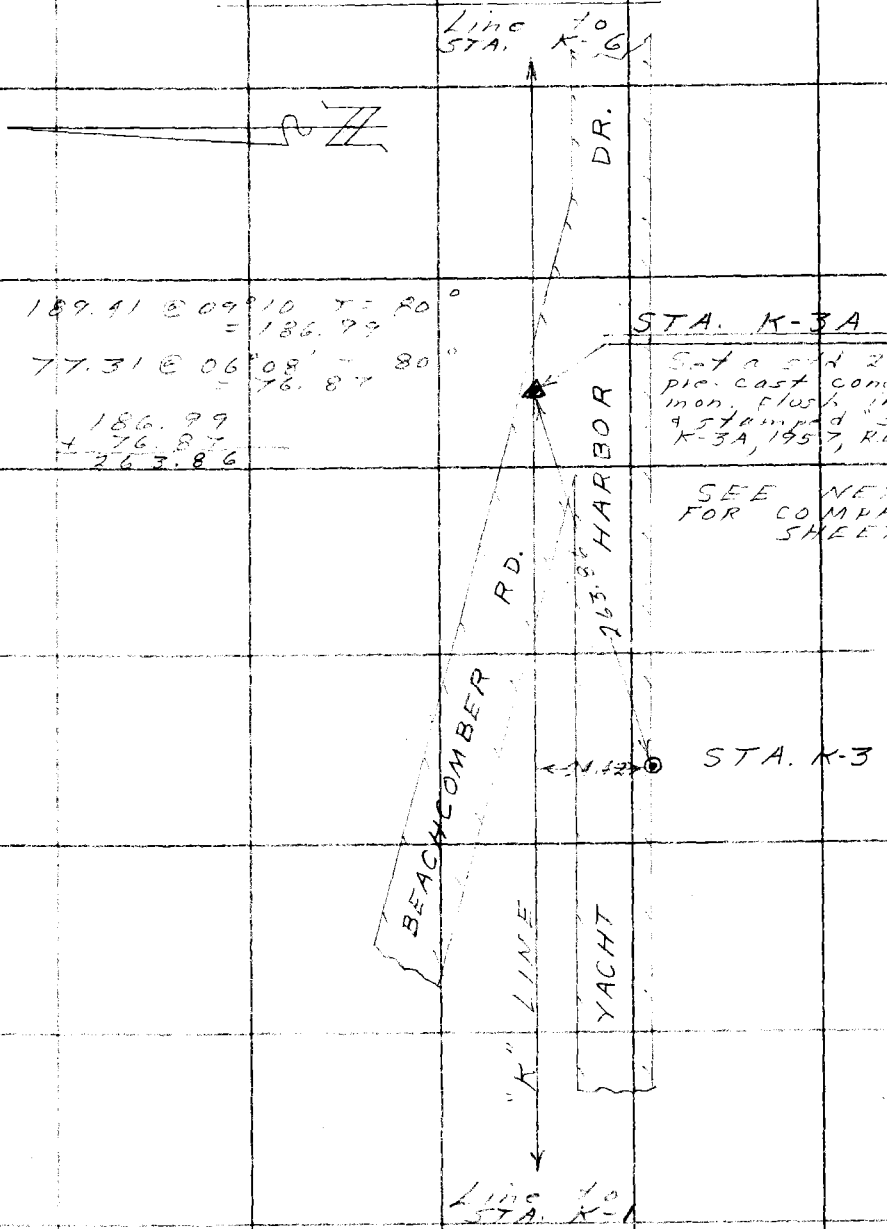
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	W. O. 0301.00 Tape No. 101 St'd. 84 °F
Office Work	Surveyed by W. D. B.
Checked	Notes W. D. B. Date 6-18-57
Date	Indexed C. Johnson

F. B. [illegible] PG. 251

PORTUGUESE BEND SLIDE AREA

TRIANGULATION STATION

STA. K-3A



189.41 @ 09°10' T = 80° = 186.99

77.31 @ 06°08' T = 80° = 76.87

186.99
+ 76.87
263.86

STA. K-3A

Set a std 2" br. cap pre-cast conc. C.E. mon. flush in pvmt. & stamped "STA. K-3A, 1957, R.E. 5869."

SEE NEXT PG. FOR COMPARISON SHEET.

STA. K-3

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

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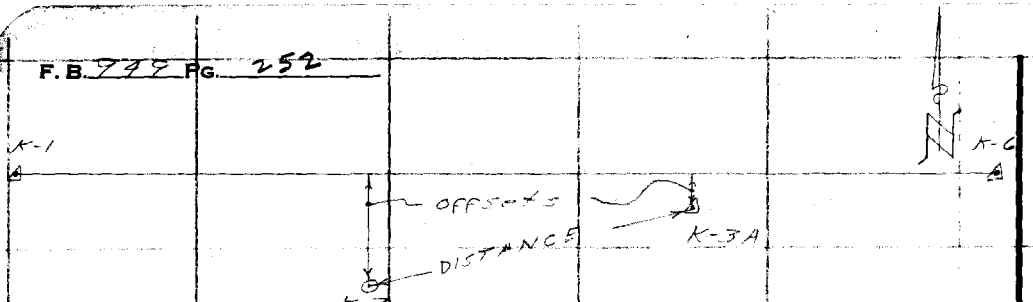
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 777 PG. 252



DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
6-18-57	0.00	—		0.00	—
6-19-57	0.05	263.86	—	0.05	—
6-20-57	0.11	263.86	0.00	0.06	0.00
6-21-57	0.18	263.86	0.00	0.07	0.00
T 6-25-57	0.50	263.86	0.00	0.32	0.00
W 6-26-57	0.54	263.86	0.00	0.04	0.00
	Line only — *offsets only				
F 6-28-57	1.86 = 0.00	—	—	0.00	—
M 7-1-57	2.04	—		0.18	—
T 7-2-57	2.13	—		0.09	—
7-3-57	2.20			0.07	
7-8-57	~~2.59~~ 0.73			0.39	
7-9-57	2.63 0.77			0.04	
7-10-57	2.78 0.92			0.15	
7-11-57	2.85 0.99			0.07	
7-12-57	2.90 1.04			0.05	
7-15-57	3.19 1.33			0.29	
7-16-57	3.25 1.39			0.06	
7-17-57	3.37 1.51			0.12	
7-18-57	3.43 1.57			0.06	
7-19-57	3.50 1.64			0.07	
7-23-57	3.85 1.99			0.35	
7-25-57	4.00 2.14			0.15	
7-26-57	4.09 2.23			0.09	
7-29-57	4.34 2.48			0.25	
7-30-57	4.44 2.58			0.10	
7-31-57	4.53 2.67			0.09	
8-1-57	4.57 2.71			0.04	
8-2-57	4.66 2.80			0.09	
8-5-57	4.76 2.90			0.10	
8-6-57	5.00 3.14			0.24	
8-8-57	5.07 3.21			0.07	

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726 LOS ANGELES COUNTY
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F. B. 949 PG. 253

NOTES RED. _____ JOB NO. 002164 SURVEY OF PB SUBSIDENCE
DATE _____ SURVEY BY A.C. GUIZADO
NOTES CHKD. _____ NOTES BY ACG DATE 1-8-62
DATE _____ INDEXED H. E. OTT DATE JAN 1 6 '62

DESCRIPTION	DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEET	PERIOD SHEET
		"A"	LINE			
	1-8-62	256.08	+6.49	+0.20	+79.81	+0.98
		"J"	LINE			
	1-8-62	288.72	+30.50	+0.47	+60.38	+0.75
ADJ. ELEV.		"K"	LINE			
3RD RUN	1-8-62	294.83	+38.58	+0.71	+97.12	+1.26
2ND RUN						
DIFF.						
1ST RUN		observation summary			1-8-62	
B.M.						

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

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

76S420 S & E-353 4-54

48

B 949 PG. 57

JOB NO. _____ SURVEY OF _____ NOTES RED. _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES CHKD. _____

INDEXED _____ DATE _____ DATE _____

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

Do not extend notes this side of this line

765420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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