Profile No. _____ Notes Red. _____ Plotted _____ Job No. _____ Division No. _____ F.B. _____ Pg. _____

Date _____ Date _____ Survey of _____

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

Date _____ Date _____ Map No. _____ Indexed _____ Date _____

EACH DAY

7-184-8568

K-5

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

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

FORM 307 10M 10-46

F.B. PG.

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.

7-184-8512

DA 63 881

A-5 PG [illegible]

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

FORM 307 10M 10-46

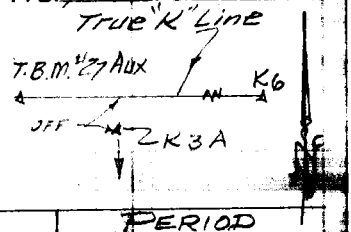
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

Notes Ck'd by	Survey of FORT BEND LAND S.
Map No.	JN 0021.64 Tape 138 Std 84 °F
Office Work	Surveyed by H.R. STOCK
Checked	Notes STOCK Date 8-9-57
Date	Indexed A. C. Johnson 10-30-57

F. B. 959 PG. 5



COMPARISON SHEET
K 3A

- 1.86

DATE	TOTAL OFFSET		PERIOD LINE
8-8-57	5.07	3.21	0.07
8-9-57	5.20	3.34	0.13
8-12-57	5.30	3.44	0.10
8-13-57	5.46	3.60	0.16
8-14-57	5.49	3.63	0.03
8-15-57	5.54	3.68	0.05
8-16-57	5.61	3.75	0.07
8-19-57	5.74	3.88	0.13
8-20	5.81	3.95	0.07
8-21	5.88	4.02	0.07
8-22	5.95	4.09	0.07
8-23	5.99	4.13	0.04
8-26	6.15	4.29	0.16
8-27	6.20	4.34	0.05
8-28	6.29	4.43	0.09
8-29	6.37	4.51	0.08
8-30	6.42	4.56	0.05
9-3	6.64	4.78	0.22
9-4	6.71	4.85	0.07
9-5	6.80	4.94	0.09
9-6	6.85	4.99	0.05
9-10	7.06	5.20	0.21
9-11	7.15	5.29	0.09
9-12	7.20	5.34	0.05
9-13	7.27	5.41	0.07
9-16	7.44	5.58	0.17
9-17	7.50	5.64	0.06
9-18	7.57	5.71	0.07
9-19	7.61	5.75	0.04
9-20	7.65	5.79	0.04
9-23	7.84	5.98	0.19

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

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76F309S S&E #247 1-56

F. B. 950 PG. 6

K-3A

DATE	TOTAL OFFSET	(-1.86)			PERIOD LINE
9-24	7.89	6.03			0.05
9-25	7.95	6.09			0.06
9-26	8.02	6.16			0.07
9-27	8.08	6.22			0.06
9-30	8.27	6.41			0.19
10-2	8.37	6.51			0.10
10-2	8.39	6.53			0.02
10-3	8.46	6.60			0.07
10-4	8.52	6.66			0.06
10-7	8.68	6.82			0.16
10-8	8.77	6.91			0.09
10-9	8.79	6.93			0.02
10-10	8.89	7.03			0.10
10-11	8.94	7.08			0.05
10-14	8.99	7.13			0.05
10-15	9.13	7.27			0.14
10-16	9.20	7.34			0.07
10-17	9.25	7.39			0.05
10-18	9.34	7.48			0.09
10-21	9.49	7.63			0.15
10-22	9.54	7.68			0.05
10-23	9.63	7.77			0.09
10-24	9.68	7.82			0.05
10-25	9.73	7.87			0.05

Con't. F.B. 950-53

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Re-Purpose

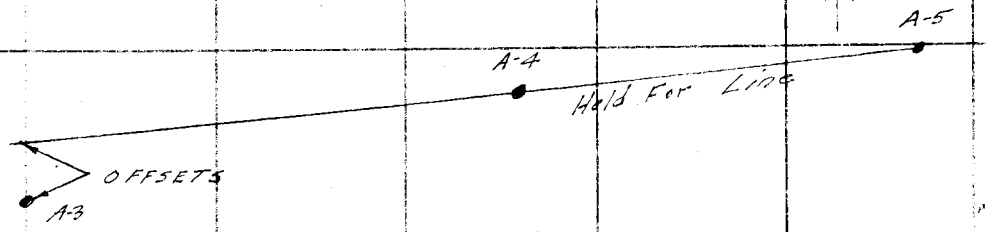
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. [illegible] Tape No. [illegible] St'd. 24° °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 8-56
Date	Indexed C. Johnson

F. B. 949 Pg. 7

COMPARISON SHEET

"A" LINE (A-3 to A-4)

Cont. From F.B. 949-94



DATE	TOTAL OFFSETS	distance A-3 to A-4	Total spread	Period Line	Period spread
8-22-57	25.27	249.50	-0.11	0.05	+0.02
8-23-57	25.32	249.50	-0.11	0.05	0.00
8-26-57	25.45	249.49	-0.12	0.13	-0.01
8-27-57	25.52	249.50	-0.11	0.07	+0.01
8-28-57	25.53	249.51	-0.10	0.01	+0.01
8-29-57	25.59	249.49	-0.12	0.06	-0.02
8-30-57	25.63	249.50	-0.11	0.04	+0.01
9-3-57	25.81	249.48	-0.13	0.18	-0.02
9-4-57	25.86	249.50	-0.11	0.05	+0.02
9-5-57	25.90	249.50	-0.11	0.04	0.00
9-6-57	25.95	249.50	-0.11	0.05	0.00
9-10-57	26.10	249.49	-0.12	0.15	-0.01
9-11-57	26.16	249.49	-0.12	0.06	0.00
9-12-57	26.24	249.50	-0.11	0.08	+0.01
9-13-57	26.25	249.49	-0.12	0.01	-0.01
9-16-57	26.37	249.53	-0.08	0.12	+0.04
9-17-57	26.43	249.51	-0.10	0.06	-0.02
9-18-57	26.43	249.50	-0.11	0.00	-0.01
9-19-57	26.47	249.48	-0.13	0.04	-0.02
9-20-57	26.53	249.54	-0.07	0.06	+0.06
9-23-57	26.67	249.52	-0.09	0.14	-0.02
9-24-57	26.69	249.52	-0.09	0.02	0.00
9-25-57	26.72	249.52	-0.09	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.

76F3095 S&E #247. 8-54

F. B. 950 Pg. 8 A4 To: A3

date	total offset	distance A3 - A4	total spread	Period line	Period spread
9-26	26.76	249.54	-0.07	0.04	+0.02
9-27	26.82	249.53	-0.08	0.06	-0.01
9-30	26.93	249.51	-0.10	0.11	-0.02
10-1	26.96	249.52	-0.09	0.05	+0.01
10-2	27.01	249.53	-0.08	0.03	+0.01
10-3	27.10	249.52	-0.09	0.09	-0.01
10-4	27.14	249.52	-0.09	0.04	0.00
10-7	27.26	249.52	-0.09	0.12	0.00
10-8	27.28	249.52	-0.09	0.02	0.00
10-9	27.31	249.52	-0.09	0.03	0.00
10-10	27.38	249.53	-0.08	0.07	0.01
10-11	27.42	249.52	-0.09	0.04	-0.01
10-14	27.52	249.52	-0.09	0.10	0.00
10-15	27.57	249.54	-0.07	0.05	+0.02
10-16	27.65	249.54	-0.07	0.08	0.00
10-17	27.67	249.55	-0.06	0.02	+0.01
10-18	27.75	249.54	-0.07	0.08	-0.01
10-21	27.87	249.53	-0.08	0.12	-0.01
10-22	27.92	249.57	-0.04	0.05	+0.04
10-23	27.92	249.55	-0.06	0.00	-0.02
10-24	27.98	249.54	-0.07	0.06	0.01
10-25	28.01	249.57	-0.04	0.03	+0.03

Cont. F.B. 950-39

Cont. to

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LOS ANGELES COUNTY SURVEYOR
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.

Portuguese

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 8021.64 Tape No. 137 St'd. 84 °F
Office Work	Surveyed by English & Lind
Checked	Notes Lind Date 8-51
Date	Indexed A. C. Johnson

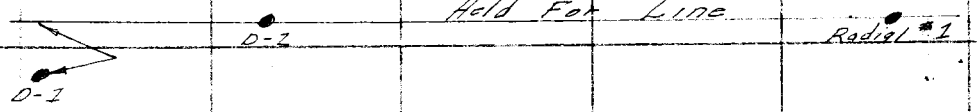
F.B. 951 Pg. 9

COMPARISON SHEET

"D" Line (D-1 to D2)

Cont. From F.B. 949-110

Held For Line



date	total offsets	distance D-1 to D2	total spread	Period Line	Period Spread
8-22-57	1.57	209.31	23.20	+0.02	0.07
8-23-57	1.57	209.30	23.19	0.00	-0.01
8-26-57	1.58	209.43	23.32	0.01	0.13
8-27-57	1.59	209.47	23.36	0.01	+0.04
8-28-57	1.57	209.49	23.38	-0.02	+0.02
8-29-57	1.58	209.55	23.44	0.01	0.06
8-30-57	1.60	209.57	23.46	0.02	+0.02
9-3-57	1.60	209.80	23.69	0.00	0.23
9-4-57	1.62	209.80	23.69	0.02	0.00
9-5-57	1.62	209.84	23.73	0.00	+0.04
9-6-57	1.60	209.87	23.76	0.02	+0.03
9-10-57	1.62	210.08	23.97	0.02	+0.21
9-11-57	1.61	210.12	24.01	0.01	+0.04
9-12-57	1.64	210.15	24.04	0.03	+0.03
9-13-57	1.64	210.22	24.11	0.00	+0.07
9-16-57	1.64	210.31	24.20	0.00	+0.09
9-17-57	1.64	210.35	24.24	0.00	+0.04
9-18-57	1.63	210.42	24.31	0.01	0.07
9-19-57	1.64	210.44	24.33	0.01	+0.02
9-20-57	1.64	210.48	24.37	0.00	+0.04
9-23-57	1.64	210.62	24.51	0.00	+0.14
9-24-57	1.65	210.62	24.51	0.01	0.00
9-25-57	1.64	210.67	24.56	-0.01	+0.05
9-26-57	1.65	210.73	24.62	+0.01	+0.06
9-27-57	1.67	210.75	24.64	+0.02	0.02

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

76F3095 S&E #247. 8-54

F. B. 950 PG. 10

D-1 To: D-2

Date	Total Offset	Distance 0-14.02	Total Spread	Line	Period Spread
9-30-57	1.66	210.92	24.81	0.01	+0.17
10-1-57	1.66	210.92	24.81	0.00	0.00
10-2-57	1.68	210.95	24.84	0.02	+0.03
10-3-57	1.68	210.97	24.86	0.00	+0.02
10-4	1.66	211.03	24.92	0.02	+0.06
10-7	1.67	211.14	25.03	0.01	+0.11
10-8	1.70	211.18	25.07	0.03	+0.04
10-9	1.70	211.24	25.13	0.00	+0.06
10-10	1.69	211.26	25.15	0.01	+0.02
10-11	1.70	211.30	25.19	0.01	+0.04
10-14	1.70	211.40	25.29	0.00	+0.10
10-15	1.70	211.49	25.38	0.00	+0.09
10-16	1.71	211.50	25.39	0.01	+0.01
10-17	1.71	211.55	25.44	0.00	+0.05
10-18	1.72	211.60	25.49	0.01	+0.05
10-21	1.73	211.70	25.59	0.01	+0.10
10-22	1.73	211.72	25.61	0.00	+0.02
10-23	1.72	211.78	25.67	0.01	+0.06
10-24	1.72	211.81	25.70	0.00	+0.03
10-25	1.72	211.88	25.77	0.00	+0.07

Cont. F.B. 950-41

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Portuguese

Notes Ck'd by	Survey of Bend - [illegible]
Map No.	W. O. 002167 Tape No. 137 St'd. 64 °F
Office Work	Surveyed by Fowler & Lind
Checked	Notes Lind Date 8-57
Date	Indexed C. Johnson

F. B. 460 Pg. 11

COMPARISON SHEET

"U" Line (Blakesley - U1A)

Cont. From F.B. 949-128

Blakesley — Shields

U-1A — OFFSETS

Date	Total Offset	Distance	Total Spread	Period Line	Period Spread
8-22-57	5.99	188.38	-0.43	0.03	+0.01
8-23-57	5.98	188.38	-0.43	-0.01	0.00
8-26-57	6.03	188.37	-0.44	0.05	-0.01
8-27-57	6.02	188.40	-0.41	-0.01	+0.03
8-28-57	6.03	188.35	-0.43	+0.01	-0.02
8-29-57	6.04	188.34	-0.47	0.01	-0.04
8-30-57	6.04	188.36	-0.45	0.00	+0.02
9-3-57	6.11	188.36	-0.45	0.07	0.00
9-4-57	6.10	188.38	-0.43	-0.01	+0.02
9-5-57	6.11	188.38	-0.43	0.01	0.00
9-6-57	6.10	188.39	-0.42	0.01	+0.01
9-10-57	6.15	188.39	-0.42	0.05	0.00
9-11-57	6.17	188.37	-0.44	0.02	-0.02
9-12-57	6.15	188.41	-0.40	0.02	+0.04
9-13-57	6.18	188.38	-0.43	0.03	-0.03
9-16-57	6.19	188.40	-0.41	0.01	+0.02
9-17-57	6.21	188.37	-0.44	0.02	-0.03
9-18-57	6.23	188.40	-0.41	0.02	+0.03
9-19-57	6.24	188.36	-0.45	0.01	-0.04
9-20-57	6.24	188.40	-0.41	0.00	+0.04
9-23-57	6.26	188.39	-0.42	0.02	-0.01
9-24-57	6.27	188.37	-0.44	0.01	-0.02
9-25-57	6.30	188.36	-0.45	0.03	-0.01
9-26-57	6.30	188.37	-0.44	0.01	+0.01
9-27-57	6.28	188.39	-0.42	0.02	+0.02

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.

76F3095 S&E #247. 8-54

F. B. 960 PG. 12 Blakesley To: J-1A

date	total offsets	distance	total spread	Line	Period spread
9-30	6.33	188.35	-0.46	0.05	-0.04
10-1	6.31	188.40	-0.41	-0.02	+0.05
10-2	6.33	188.36	-0.45	0.02	-0.04
10-3	6.34	188.39	-0.42	0.01	+0.03
10-4	6.35	188.35	-0.46	0.01	-0.04
10-7	6.39	188.38	-0.43	0.04	+0.03
10-8	6.39	188.39	-0.42	0.00	+0.01
10-9	6.41	188.36	-0.45	0.02	-0.03
10-10	6.40	188.38	-0.43	0.01	+0.02
10-11	6.43	188.36	-0.45	0.03	-0.02
10-14	6.45	188.36	-0.45	0.02	0.00
10-15	6.45	188.36	-0.45	0.00	0.00
10-16	6.46	188.38	-0.43	0.01	+0.02
10-17	6.47	188.38	-0.43	0.01	0.00
10-18	6.49	188.36	-0.45	0.02	-0.02
10-21	6.51	188.37	-0.44	0.02	+0.01
10-22	6.52	188.37	-0.44	0.01	0.00
10-23	6.54	188.36	-0.45	0.02	-0.01
10-24	6.54	188.35	-0.46	0.00	0.01
10-25	6.56	188.35	-0.46	0.02	0.00

Con't. Pg. 43

Cont. to

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.
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Portuguese

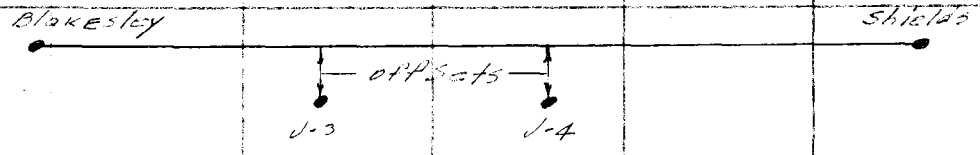
Notes Ck'd by	Survey of Bend' Landslide
Map No.	W. O. 8021.64 Tape No. 139 St'd. 84 °F
Office Work	Surveyed by Engl. of Lind
Checked	Notes Lind Date 8-57
Date	Indexed A. C. Johnson

F. B. 950 Pg. 12

COMPARISON SHEET

"J" LINE (J3 - J4)

CONT. FROM F.B. 949-138



date	total offsets		distance	total spread	Period Line	Period Spread
8-22-57	J3	16.78	238.68	-4.03	0.03	+0.02
	J4	17.91			0.02	
8-23-57	J3	16.81	238.69	-4.02	0.03	+0.01
	J4	17.95			0.04	
8-26-57	J3	16.88	238.64	-4.07	0.07	-0.05
	J4	18.00			0.05	
8-27-57	J3	16.90	238.64	-4.07	0.02	0.00
	J4	18.06			0.06	
8-28-57	J3	16.93	238.64	-4.07	0.03	0.00
	J4	18.06			0.00	
8-29-57	J3	16.98	238.62	-4.09	0.05	-0.02
	J4	18.11			0.05	
8-30-57	J3	17.00	238.62	-4.09	0.02	0.00
	J4	18.14			0.03	
9-3-57	J3	17.10	238.60	-4.11	0.10	-0.02
	J4	18.24			0.10	
9-4-57	J3	17.13	238.61	-4.10	0.03	+0.01
	J4	18.27			0.03	
9-5-57	J3	17.14	238.62	-4.09	0.01	+0.01
	J4	18.29			0.02	
9-6	J3	17.16	238.59	-4.12	0.02	-0.03
	J4	18.32			0.03	
9-10	J3	17.28	238.58	-4.19	0.12	-0.07
	J4	18.43			0.11	

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

76F309S S&E #247. 8-54

F. B. 950 PG. 14 J3 To: J4

date		total offset	distance	total spread	Period Line	Period spread
9-11-57	J3	17.31	238.54	-4.17	0.03	+0.02
	J4	18.46			0.03	
9-12-57	J3	17.33	238.56	-4.15	0.02	+0.02
	J4	18.48			0.02	
9-13-57	J3	17.37	238.56	-4.15	0.04	0.00
	J4	18.51			0.03	
9-16-57	J3	17.42	238.53	-4.18	0.05	-0.03
	J4	18.58			0.07	
9-17-57	J3	17.46	238.52	-4.19	0.04	-0.01
	J4	18.61			0.03	
9-18-57	J3	17.48	238.51	-4.20	0.02	-0.01
	J4	18.64			0.03	
9-19-57	J3	17.48	238.49	-4.22	0.00	-0.02
	J4	18.64			0.00	
9-20-57	J3	17.54	238.52	-4.19	0.06	+0.03
	J4	18.69			0.05	
9-23-57	J3	17.59	238.50	-4.21	0.05	-0.02
	J4	18.72			0.03	
9-24-57	J3	17.62	238.52	-4.19	0.03	+0.02
	J4	18.75			0.03	
9-25-57	J3	17.65	238.48	-4.23	0.03	-0.04
	J4	18.79			0.04	
9-26-57	J3	17.67	238.48	-4.23	0.02	0.00
	J4	18.81			0.02	
9-27-57	J3	17.71	238.48	-4.23	0.04	0.00
	J4	18.82			0.01	
9-30	J3	17.78	238.43	-4.28	0.07	0.05
	J4	18.93			0.11	
10-1	J3	17.81	238.45	-4.26	0.03	+0.02
	J4	18.94			0.01	
10-2	J3	17.81	238.44	-4.27	0.00	-0.01
	J4	18.94			0.00	
10-3	J3	17.85	238.43	-4.28	0.04	-0.01
	J4	18.99			0.05	
10-4	J3	17.91	238.43	-4.28	0.06	0.00
	J4	19.06			0.07	

CONT. TO PG 15

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 [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes English Date 10-57
Date	Indexed A. C. Johnson

F. B. 950 PG. 15

CONT. FROM PG 14

J 3 TO J 4

DATE		TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
10-7-57	J3	17.97	238.42	-4.29	0.06	-0.01
	J4	19.12			0.06	
10-8-57	J3	18.00	238.38	-4.33	0.03	-0.04
	J4	19.15			0.03	
10-9-57	J3	18.04	238.41	-4.30	0.04	+0.03
	J4	19.19			0.04	
10-10	J3	18.04	238.41	-4.30	0.00	0.00
	J4	19.20			0.01	
10-11	J3	18.06	238.36	-4.35	0.02	-0.05
	J4	19.22			0.02	
10-14	J3	18.15	238.36	-4.33	0.09	+0.02
	J4	19.31			0.09	
10-15	J3	18.21	238.36	-4.35	0.06	+0.02
	J4	19.36			0.05	
10-16	J3	18.21	238.36	-4.35	0.00	0.00
	J4	19.37			0.01	
10-17	J3	18.24	238.36	-4.35	0.03	0.00
	J4	19.39			0.02	
10-18	J3	18.32	238.36	-4.35	0.08	0.00
	J4	19.46			0.07	
10-21	J3	18.35	238.33	-4.38	0.03	-0.03
	J4	19.52			0.06	
10-22	J3	18.36	238.33	-4.38	0.01	0.00
	J4	19.53			0.01	
10-23	J3	18.38	238.30	-4.41	0.02	-0.03
	J4	19.55			0.02	
10-24	J3	18.41	238.30	-4.41	0.03	0.00
	J4	19.57			0.02	
10-25	J3	18.44	238.29	-4.42	0.03	-0.01
	J4	19.59			0.02	

Con't. F.B. 950-45

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76F309S S&E #247. 8-54

950 | 16 | J3 To: J4

F. B. PG.

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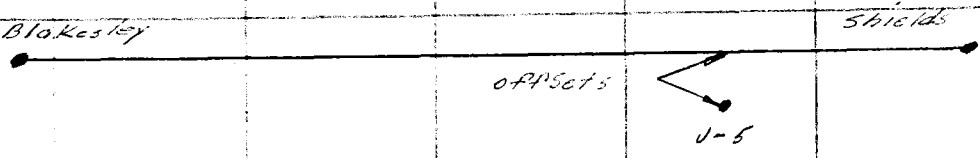
Portuguese

F. B. 950 PG. 17

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0321.64 Tape No. 139 St'd. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 8-57
Date	Indexed C. Johnson

COMPARISON SHEET

"J" LINE (J5 - Shields)
Cont. From F.B. 949-144



date	total offsets	distance	total spread	Period line	Period spread
8-22-57	19.53	266.67	8.28	0.03	+0.03
8-23-57	19.56	266.64	8.25	0.03	-0.03
8-26-57	19.66	266.74	8.35	0.10	+0.10
8-27-57	19.70	266.74	8.35	0.04	0.00
8-28-57	19.74	266.77	8.38	0.04	+0.03
8-29-57	19.77	266.83	8.44	0.03	+0.06
8-30-57	19.80	266.83	8.44	0.03	0.00
9-3-57	19.91	266.83	8.44	0.11	0.00
9-4-57	19.95	266.87	8.48	0.04	+0.04
9-5-57	19.97	266.89	8.50	0.02	+0.02
9-6-57	20.02	266.90	8.51	0.05	+0.01
9-10-57	20.16	266.92	8.53	0.14	+0.02
9-11-57	20.18	266.97	+8.58	0.02	+0.05
9-12-57	20.23	266.99	+8.60	0.05	+0.02
9-13-57	20.24	266.99	+8.60	0.01	0.00
9-16-57	20.34	267.04	+8.65	0.10	+0.05
9-17-57	20.36	267.09	+8.70	0.02	+0.05
9-18-57	20.39	267.05	+8.66	0.03	-0.04
9-19-57	20.41	267.11	+8.72	0.02	+0.06
9-20-57	20.48	267.12	+8.73	0.07	+0.01
9-23-57	20.55	267.12	+8.73	0.07	0.00
9-24-57	20.61	267.19	+8.80	0.06	+0.07
9-25-57	20.63	267.18	+8.79	0.02	-0.01

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76F309S S&E #247. 8-54

F. B. 950 PG. 18

J-5 To: Shields

Date	Total Offsets	Distance	Total Spread	Period Line	Period Spread
9-26	20.66	267.18	+8.79	0.03	0.00
9-29	20.70	267.23	+8.84	0.04	0.05
9-30	20.79	267.19	+8.80	0.09	-0.04
10-1	20.82	267.[illegible]	+8.90	0.03	+0.10
10-2	20.83	267.31	+8.92	0.01	+0.02
10-3	20.88	267.32	+8.93	0.05	+0.01
10-4	20.88	267.29	+8.90	0.00	-0.03
10-7	21.00	267.32	+8.93	0.12	+0.03
10-8	21.03	267.36	+8.97	0.03	+0.04
10-9	21.06	267.34	+8.95	0.03	-0.02
10-10	21.09	267.36	+8.97	0.03	+0.02
10-11	21.13	267.37	+8.98	0.04	+0.01
10-14	21.22	267.49	+9.10	0.09	+0.12
10-15	21.26	267.46	+9.07	0.04	-0.03
10-16	21.30	267.49	+9.10	0.04	+0.03
10-17	21.33	267.49	+9.10	0.03	0.00
10-18	21.37	[illegible]	+9.07	0.04	-0.03
10-21	21.44	267.59	+9.20	0.07	+0.11
10-22	21.50	267.63	+9.24	0.06	+0.04
10-23	21.54	267.61	+9.22	0.04	-0.02
10-24	21.55	267.60	+9.21	0.01	-0.01
10-25	21.61	267.64	+9.25	0.06	0.04

Con't. F.B. 950-49

Cont. 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.

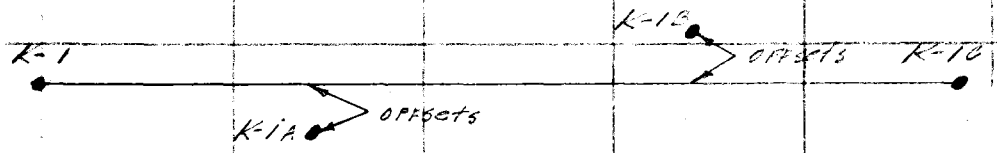
Notes Ck'd by	Survey of Portuguese [illegible]
Map No.	W. O. 0821.64 Tape No. 139 St'd. 64 °F
Office Work	Surveyed by [illegible]
Checked	Notes Land Date 8-57
Date	Indexed [illegible] JUL 16 '63

F. B. 950 PG. 19

COMPARISON SHEET

K-1A TO K-1B

Cont. From F.B. 949-250



date	total offsets		distance	total spread	Period Line	Period Spread
8-26-57	K1A	0.44	209.27	-1.42	0.05	-0.07
	K1B	0.20			0.01	
9-3-57	K1A	0.46	209.19	-1.50	0.02	-0.08
	K1B	0.22			0.02	
9-11-57	K1A	0.49	209.05	-1.64	0.03	-0.14
	K-1B	0.24			0.02	
9-16-57	K1A	0.53	209.00	-1.69	0.04	-0.05
	K1B	0.25			0.01	
9-24-57	K1A	0.53	208.91	-1.78	0.00	-0.09
		0.26			0.01	
9-30	K1A	0.56	208.81	-1.88	0.03	-0.10
	K1B	0.30			0.04	
10-7	K1A	0.56	208.75	-1.94	0.00	0.06
	K1B	0.30			0.00	
10-15	K1A	0.61	208.63	-2.06	0.05	-0.12
	K1B	0.31			0.01	
10-22	K1A	0.65	208.51	-2.18	0.04	-0.12
	K1B	0.32			0.01	
11-[illegible]	K1A	0.67	208.43	-2.26	0.02	-0.08
	K1B	0.[illegible]				
11-5	K1A	0.68	208.36	-2.33	0.01	-0.07
	K1B	0.36			0.01	
11-15	K-1A	0.71	208.23	-2.46	0.03	-0.13
	K-1B	0.38			0.02	

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 S&E #247. 8-54

F. B. 950 PG. 20

K-1A To: K-1B

date	total offset	distance	total spread	Period line	Period spread
11-21-57	K1A 0.74	208.13	-2.56	0.03	-0.10
	K1B 0.39			0.01	
12-11-57	K1A 0.80	207.89	-2.80	0.06	-0.24
	K1B 0.44			0.05	

Cont. to

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726 LOS ANGELES COUNTY
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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 Changes.

Portuguese

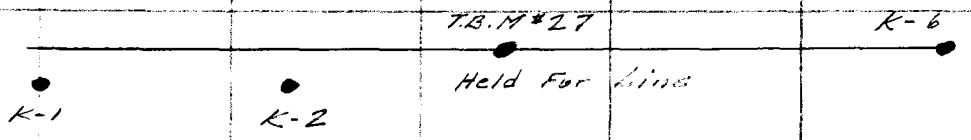
Notes Ck'd by	Survey of Bend Landslide
Map No.	W. O. 0821.64 Tape No. 139 St'd. 84 °F
Office Work	Surveyed by English & Lind
Checked	Notes Lind Date 8-57
Date	Indexed C. Johnson

F. B. 950 Pg. 21

COMPARISON SHEET

"K" Line K-2 to T.B.M. #27

Cont. From F.B. 949 - 160



date	total offset	distance	total spread	Period Line	Period spread
8-22-57	11.78	83.07	-0.02	0.03	-0.01
8-23-57	11.83	83.09	0.00	0.05	+0.02
8-26-57	11.93	83.07	-0.02	0.10	-0.02
8-27-57	11.98	83.07	-0.02	0.05	0.00
8-28-57	12.01	83.07	-0.02	0.03	0.00
8-29-57	12.05	83.08	-0.01	0.04	0.01
8-30-57	12.07	83.07	-0.02	0.02	-0.01
9-3-57	12.23	83.09	0.00	0.16	+0.02
9-4-57	12.28	83.08	-0.01	0.05	-0.01
9-5-57	12.29	83.08	-0.01	0.01	0.00
9-6-57	12.33	83.11	+0.02	0.04	+0.03
9-10-57	12.36	83.09	0.00	0.03	-0.02
9-11-57	12.50	83.07	-0.02	0.14	-0.02
9-12-57	12.53	83.09	0.00	0.03	+0.02
9-13-57	12.57	83.09	0.00	0.04	0.00
9-16-57	12.67	83.10	+0.01	0.10	+0.01
9-17-57	12.71	83.10	+0.01	0.04	0.00
9-18-57	12.75	83.09	0.00	0.04	-0.01
9-19-57	12.78	83.09	0.00	0.03	0.00
9-20-57	12.81	83.10	+0.01	0.03	+0.01
9-23-57	12.91	83.10	+0.01	0.10	0.00
9-24-57	12.94	83.12	+0.03	0.03	+0.02
9-25-57	12.98	83.10	+0.01	0.04	-0.02

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76F309S S&E #247. 8-54

F. B. 750 PG. 22 K-2 To: T.B.M. #27

date	total offset	distance	total spread	line	period spread
9-26	13.03	83.11	+0.02	0.05	+0.01
9-27	13.06	83.10	+ 0.01	0.03	-0.01
9-30	13.17	83.11	+ 0.02	0.11	+ 0.01
10-1	13.22	83.08	- 0.01	0.05	-0.03
10-2	13.24	83.11	+ 0.02	0.02	+0.03
10-3	13.28	83.10	+ 0.01	0.04	- 0.01
10-4	13.27	83.11	+ 0.02	0.01	+ 0.01
10-7	13.44	83.12	+ 0.03	0.17	+ 0.01
10-8	13.49	83.12	+ 0.03	0.05	0.00
10-9	13.54	83.12	+ 0.03	0.05	0.00
10-10	13.62	83.12	+ 0.03	0.08	0.00
10-11	13.67	83.12	+ 0.03	0.05	0.00
10-14	13.85	83.12	+ 0.03	0.18	0.00
10-15	13.93	83.14	+ 0.05	0.08	+ 0.02
10-16	13.98	83.12	+ 0.03	0.05	- 0.02
10-17	14.04	83.13	+ 0.04	0.06	+ 0.01
10-18	14.10	83.14	+ 0.05	[illegible]	+ 0.01
10-21	14.28	83.13	+ 0.04	0.18	-0.01
10-22	14.36	83.14	+ 0.05	0.08	+ 0.01
10-23	14.42	83.13	+ 0.04	0.06	-0.01
10-24	14.50	83.15	+ 0.06	0.08	0.02
10-25	14.55	83.15	+ 0.06	0.05	0.00

Cont. F.B. 750-51

Cont. to

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Portuguese

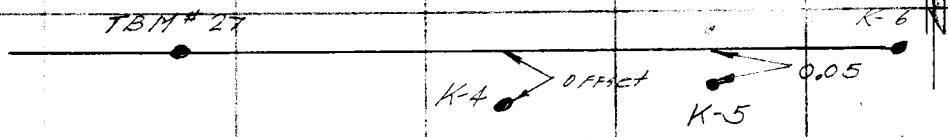
Notes Ck'd by	Survey of Bond Landslide
Map No.	W. O. 0021.64 Tape No. 139 St'd. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes Lind Date 8-57
Date	Indexed C. Johnson

F. B. 950 PG. 43

COMPARISON SHEET

"K" LINE (K4 to K5)

Cont. From F.B. 949-170



Date		total offset	Distance	total spread	Period Line	Period Spread
8-22-57	K4	27.07	264.14	+7.90	0.03	0.01
	K5	0.05			0.00	
8-23-57	K4	27.17	264.16	+7.92	0.10	+0.02
	K5	0.05			0.00	
8-26-57	K4	27.30	264.14	+7.90	0.13	-0.02
	K5	0.05			0.00	
8-27-57	K4	27.32	264.16	+7.92	0.02	+0.02
	K5	0.05			0.00	
8-28-57	K4	27.36	264.17	+7.93	0.04	+0.01
	K5	0.05			0.00	
8-29-57	K4	27.40	264.18	+7.94	0.04	0.01
	K5	0.05			0.00	
8-30-57	K4	27.44	264.19	+7.95	0.04	+0.01
	K5	0.05			0.00	
9-3-57	K4	27.63	264.24	+8.00	0.19	+0.05
	K5	0.05			0.00	
9-4-57	K4	27.69	264.26	+8.02	0.06	+0.02
	K5	0.05			0.00	
9-5-57	K4	27.72	264.27	+8.03	0.03	+0.01
	K5	0.05			0.00	
9-6-57	K4	27.76	264.31	+8.07	0.04	+0.04
	K5	0.05			0.00	
9-10-57	K4	27.95	264.36	+8.12	0.19	+0.05
	K5	0.05			0.00	

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

F. B. 950 PG. 24

K-4 TO K-5

Date	Total Offset	Distance	Total Spread	Line	Period Spread
9-11-57	K4 28.01	264.39	+8.15	0.06	+0.03
	K5 0.05			0.00	
9-12-57	K4 28.02	264.40	+8.16	0.01	+0.01
	K5 0.05			0.00	
9-13-57	K4 28.09	264.45	+8.21	0.07	+0.05
	K5 0.05			0.00	
9-16-57	K4 28.22	264.47	+8.23	0.13	+0.02
	K5 0.05			0.00	
9-17-57	K4 28.27	264.45	+8.21	0.05	+0.02
	K5 0.05			0.00	
9-18-57	K4 28.30	264.48	+8.24	0.03	+0.03
	K5 0.05			0.00	
9-19-57	K4 28.37	264.46	+8.22	0.07	-0.02
	K5 0.05			0.00	
9-20-57	K4 28.42	264.49	+8.25	0.05	+0.03
	K5 0.05			0.00	
9-23-57	K4 28.54	264.53	+8.29	0.12	+0.04
	K5 0.05			0.00	
9-24-57	K4 28.61	264.60	+8.36	0.07	+0.07
	K5 0.05			0.00	
9-25-57	K4 28.63	264.57	+8.33	0.02	-0.03
	K5 0.05			0.00	
9-26-57	K4 28.67	264.56	+8.32	0.04	-0.01
	K5 0.05			0.00	
9-27	K4 28.81	264.62	+8.38	0.14	+0.06
	K5 0.05			0.00	
9-30	K4 28.94	264.67	+8.43	0.13	+0.05
	K5 0.05			0.00	
10-1	K4 28.98	264.71	+8.47	0.04	+0.04
	K5 0.05			0.00	
10-2	K4 29.04	264.67	+8.43	0.06	-0.04
	K5 0.05			0.00	
10-3	K4 29.07	264.71	+8.47	0.03	+0.04
	K5 0.05			0.00	
10-4	K4 29.11	264.71	+8.47	0.04	0.00
	K5 0.05			0.00	

Cont to 33

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

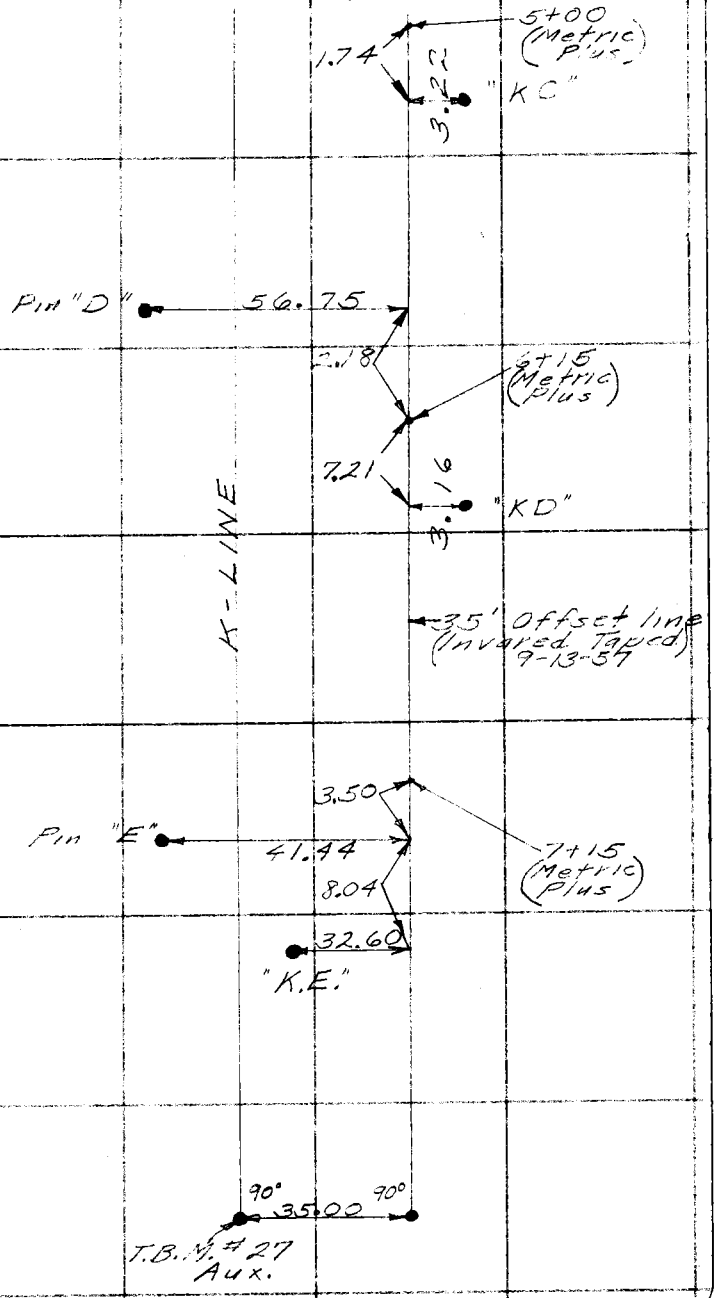
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by: [illegible]	Survey of: Port. Bend Lands, Ide
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by: English
Checked	Notes: Ed. Date: 9-13-57
Date	Indexed: A. C. Johnson

F. B. 950 Pg. 25

SEP 16 '57

Cont. Pg. 252



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Do not extend notes this side of this line.

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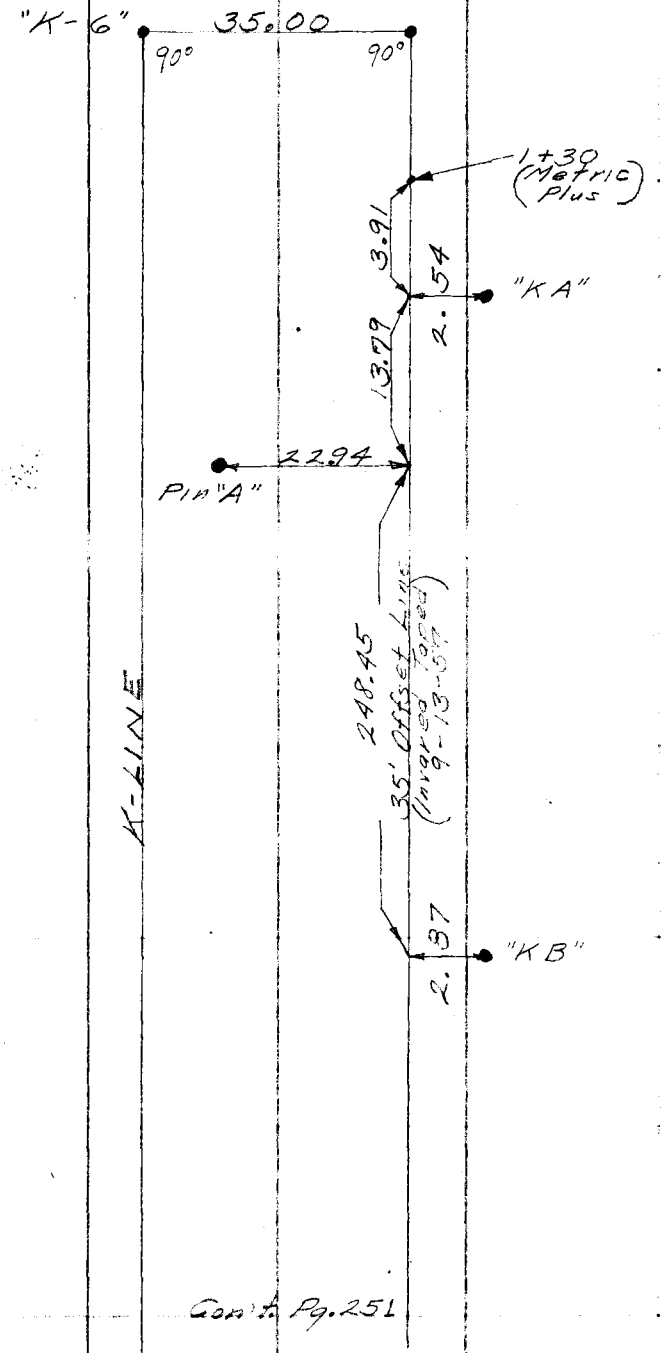
76F309S S&E #247. 8-54

F. B. 950 PG. 26



Con't. Pg. 251

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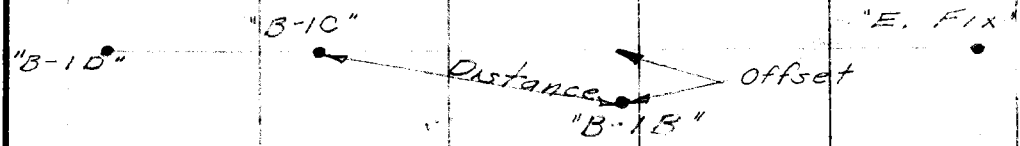
Notes Ck'd by	Survey of Bend Landslide Portuguese
Map No.	W. O. 9021.64 Tape No. 139 St'd. 84 °F
Office Work	Surveyed by English
Checked	Notes E.H. Date 9-57
Date	Indexed C. J. GALLI JUL 1 6 '63

F. B. [illegible] Pg. 27

COMPARISON SHEET

B-1C To: B-1B



Date	Total Offset	Distance	Total Spread	Period Line	Spread
9-6-57	8.88	231.14			
9-10-57	8.95	231.21	0.07	0.07	+0.07
9-18-57	9.09	231.43	+0.29	0.14	+0.22
9-20-57	B1B 9.21	231.46	+0.32	0.13	+0.03
	~~B1C 0.08~~			~~0.08~~	
9-23-57	B1B 9.22	231.54	+0.40	0.01	+0.08
10-1-57	B1B 9.35	231.69	+0.55	0.13	+0.15
10-8-57	9.49	231.83	+0.69	0.14	+0.14
10-[illegible]	B1B 9.64	232.05	+0.81	0.15	+0.22
10-22	9.81	232.18	+1.04	0.17	+0.13
10-29	B1B 9.95	232.35	+1.21	0.14	+0.17
11-7	10.12	232.54	+1.40	0.17	+0.19
11-13	10.24	232.69	+1.55	0.12	+0.15
11-20	10.37	232.82	+1.68	0.13	+0.13
11-27	10.49	232.98	+1.84	0.12	+0.16
12-3	10.61	233.09	+1.95	0.12	+0.11
12-9	10.71	233.22	+2.08	0.10	+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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76F309S S&E #247. 8-54

F. B. 950 PG. 28

B-1C To: B-1B

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Notes Ck'd by	Survey of
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed

F. B. [illegible] PG. 20

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F. B. 950 PG. 30

B-1C To: B-1B

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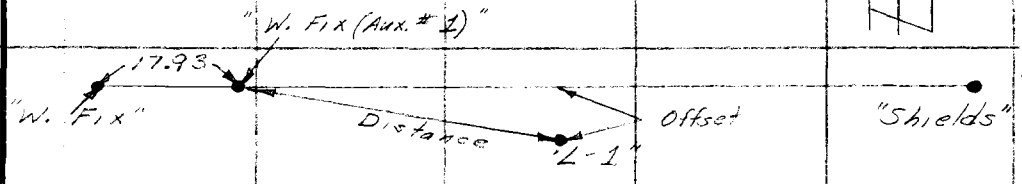
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 9021.64 Tape No. 127 St'd. 84 °F
Office Work	Surveyed by English
Checked	Notes English Date 9-57
Date	Indexed C. J. GALLI JUL 1 6 '89

F. B. 950 Pg. 31

COMPARISON SHEET

West Fix (Aux. #1) To: L-1



Date	Total Offset	Distance	Total Spread	Period Line	Period Spread
9-10-57	2.36	194.13			
9-18-57	2.42	194.13	0.00	0.06	0.00
10-2-57	2.56	194.09	-0.04	0.14	-0.04
10-9-57	2.60	194.08	-0.05	0.04	-0.01
10-16	2.68	194.11	-0.02	0.08	+0.03
10-23	2.73	194.06	-0.07	0.05	-0.05
11-1	2.82	194.07	-0.06	0.09	+0.01
11-7	2.87	194.05	-0.08	0.05	-0.02
11-15	2.94	194.07	-0.06	0.07	+0.02
11-21	2.97	194.03	-0.10	0.03	-0.04
11-26	3.01	194.02	-0.11	0.04	-0.01
12-9	3.16	194.02	-0.11	0.15	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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76F309S S&E #247. 8-54

F. B. 950 PG. 32

W. Fix To: L-1

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Portuguese

Notes Ck'd by	Survey of Bent Longitude
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. 1 Date 10-57
Date	Indexed A. C. Johnson 10-30-57

F.B. 950 PG. 33

Con't. from Pg. 24

K-4 To: K-5

Date		Total Offset	Distance	Total Spread	Period Line	Period Spread
10-7-57	K-4	29.28	264.76	+ 8.52	0.17	0.05
	K-5	0.05			0.00	
10-8-57	K4	29.29	264.77	+ 8.53	0.01	0.01
	K-5	0.05			0.00	
10-9-57	K4	29.34	264.80	+ 8.56	0.05	+ 0.03
	K5	0.05			0.00	
10-10-57	K4	29.35	264.79	+ 8.55	0.01	-0.01
	K5	0.05			0.00	
10-11-57	K4	29.41	264.82	+ 8.57	0.06	+ 0.0
	K5	0.05			0.00	
10-14-57	K4	29.57	264.88	+ 8.63	0.16	+ 0.06
	K5	0.05			0.00	
10-15-57	K4	29.62	264.92	+ 8.67	0.05	+ 0.04
	K5	0.05			0.00	
10-16	K4	29.66	264.90	+ 8.65	0.04	- 0.02
	K5	0.05			0.00	
10-17	K4	29.71	264.91	+ 8.66	0.05	+ 0.01
	K-5	0.05			0.00	
10-18	K4	29.76	264.97	+ 8.72	0.05	+ 0.06
	K5	0.05			0.00	
10-21	K4	29.88	264.98	+ 8.73	0.12	0.01
	K-5	0.05			0.00	
10-22	K4	29.90	265.03	+ 8.78	0.02	+0.05
	K5	0.05			0.00	
10-23	K4	29.92	265.04	+8.79	0.02	+0.01
	K5	0.05			0.00	
10-24	K4	30.00	265.05	+ 8.80	0.08	+ 0.01
	K5	0.05			0.00	
10-25	K4	30.03	265.07	+ 8.82	0.03	+ 0.02
	K5	0.05			0.00	

Con't. F.B. 950 - 55

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76F309S S&E #247. 8-54

F. B. 950 Pg. 34 K-4 To: K-5

Date	Total Offset	Distance	Total Spread	Line	Period Spread
	K-4				
	K-5				

Con't. Pg.

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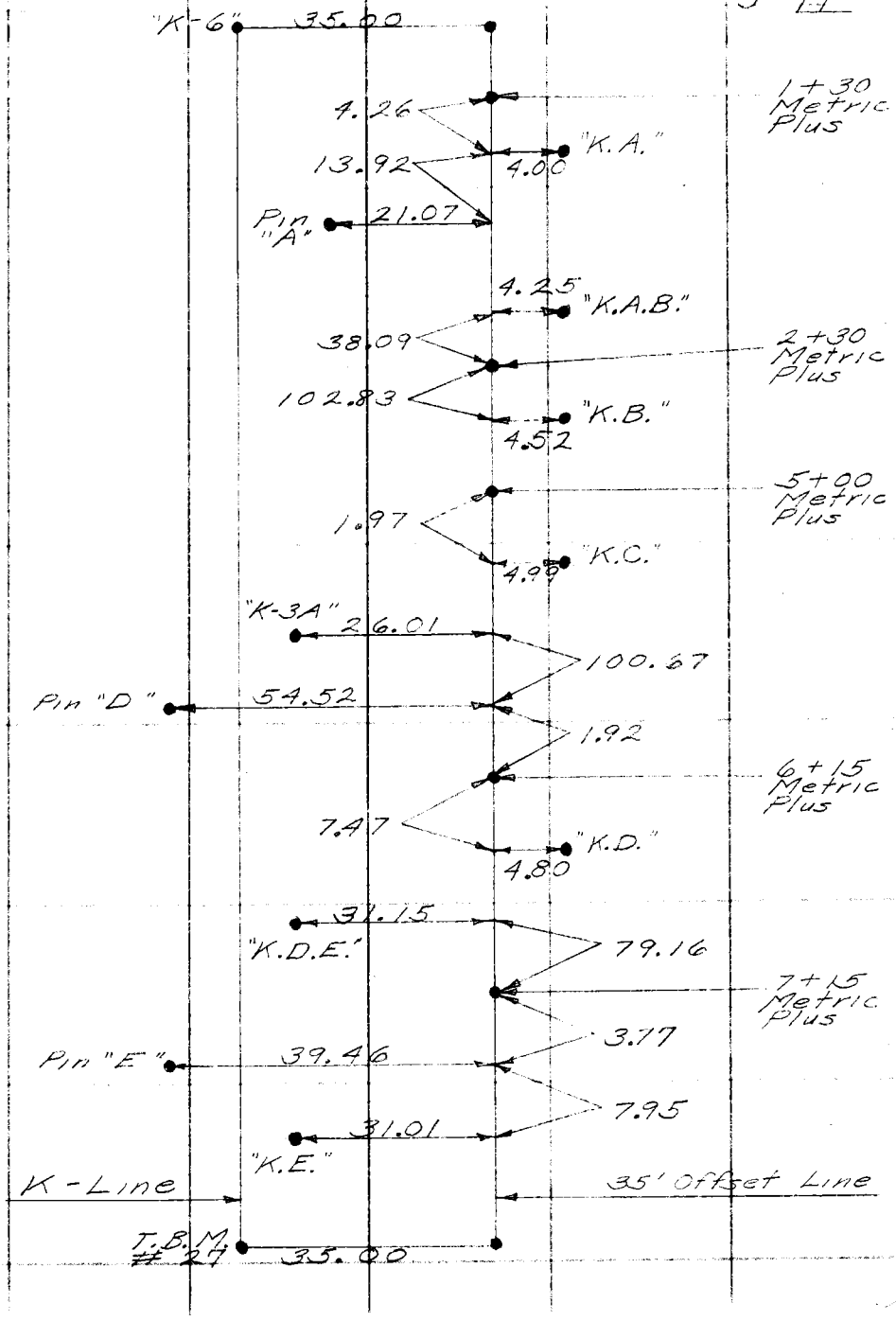
Notes Ck'd by	Survey of Port of Bend Canadian
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-14-57
Date	Indexed E. C. Johnson 10-30-57

F. B. 955 PG. 25



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76F309S S&E #247. 8-54

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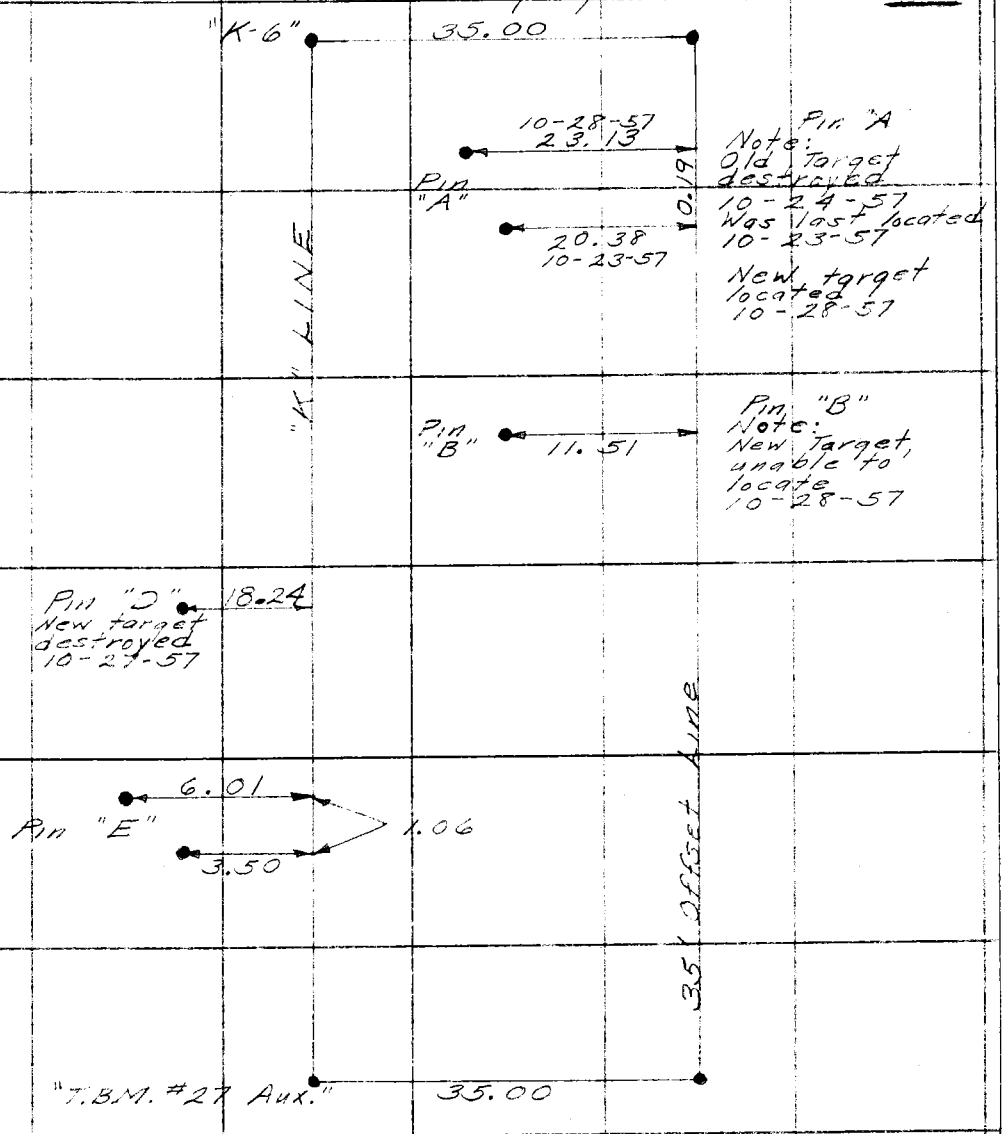
F.B. 750 PG. 36

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-23-57
Date	Indexed C. Johnson

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

Note: New target locations on Pins A, B, D & E. 10-28-57

Old Target positions shown in "green". New target position shown in "red."



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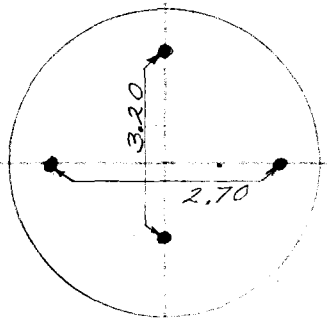
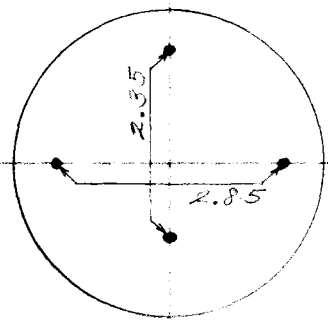
76F3085 S&E #249. 8.54

F.B. 950 PG. 38

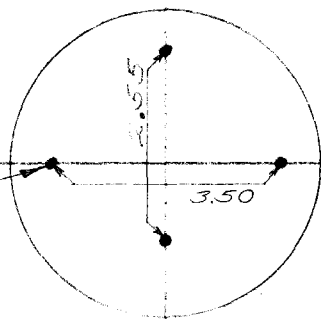
PIN "A"



PIN "B"

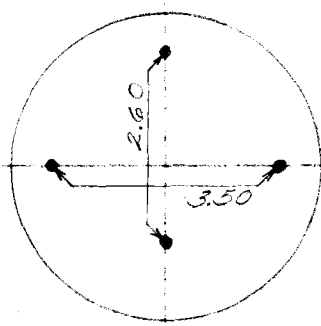


PIN "D"



Tilt Pt. Destroyed 10-27-57

PIN "E"



Note:
Distance between new tilt points.
10-28-50

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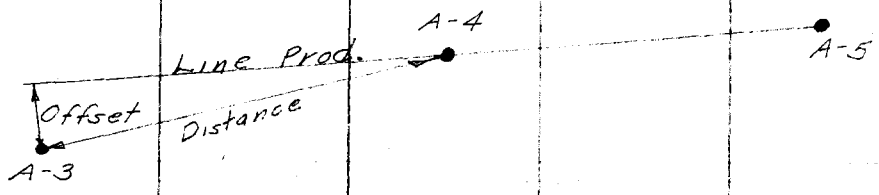
Notes Ck'd by	Survey of Sens Tunnel
Map No.	W. O. 002.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-57
Date	Indexed C. J. GALLI JUL 1 6 '63

F. B. 950 Pg. 30

COMPARISON SHEET

"A" Line (A-3 To: A-4)

Con't. from F.B. 950-8



Date	Total Offset	Distance A-3 To: A4	Total Spread	Period Line	Period Spread
10-28-57	28.14	249.58	- 0.03	0.13	+0.01
10-29	28.20	249.59	- 0.02	0.06	+ 0.01
10-30	28.27	249.54	- 0.07	0.07	- 0.05
10-31	28.27	249.57	- 0.02	0.06	+0.05
11-1	28.34	249.57	- 0.04	0.07	- 0.02
11-4	28.47	249.56	- 0.05	0.13	- 0.01
11-5	28.52	249.59	- 0.02	0.05	+ 0.03
11-6	28.55	249.57	- 0.04	0.03	- 0.02
11-7	28.57	249.59	- 0.02	0.02	+ 0.02
11-8	28.64	249.58	- 0.03	0.07	- 0.01
11-12	28.76	249.61	0.00	0.12	+ 0.03
11-13	28.85	249.61	0.00	0.09	0.00
11-14					
11-15	28.89	249.62	+0.01	0.04	+ 0.01
11-18	29.04	249.60	- 0.01	0.15	- 0.02
11-19	29.06	249.60	- 0.01	0.02	0.00
11-20	29.14	249.60	- 0.01	0.08	0.00
11-21					
11-22	29.22	249.60	- 0.01	0.08	0.00

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76F3085 S&E. #247. 8-54

F. B. 950 Pg. 40

A-3 To: A-4

Date	Total Offset	Distance A-3 To: A-4	Total Spread	Period Line	Period Spread
11-25-57	29.34	249.66	+0.05	0.12	+0.05
11-26	29.37	249.62	+0.01	0.03	-0.04
11-27	29.41	249.60	-0.01	0.04	-0.02
11-29	29.48	249.63	+0.02	0.07	+0.03
12-2	29.58	249.61	0.00	0.10	-0.02
12-3	29.61	249.62	+0.01	0.03	+0.01
12-4	29.66	249.62	+0.01	0.05	0.00
12-5					
12-6	29.75	249.64	+0.03	0.09	+0.02
12-9	29.81	249.65	+0.04	0.12	+0.01
12-10	29.90	249.64	+0.03	0.03	-0.01
12-11	29.94	249.64	+0.03	0.04	0.00
12-12	29.98	249.63	+0.02	0.04	-0.01
12-13	30.01	249.63	+0.02	0.03	0.00
[illegible]					
12-17	30.20	249.64	+0.03	0.19	+0.01
12-18	30.28	249.64	+0.03	0.08	0.00
12-19	30.30	249.65	+0.04	0.02	+0.01
12-20	30.33	249.66	+0.05	0.03	+0.01
12-23	30.48	249.64	+0.03	0.15	-0.02
12-26	30.60	249.66	+0.05	0.12	+0.02
12-30	30.77	249.68	+0.07	0.17	+0.02
1-2-58	30.87	249.70	+0.09	0.10	+0.02
1-6	31.01	249.70	+0.09	0.14	0.00
1-9	31.16	249.67	+0.06	0.15	-0.03
1-13	31.33	249.69	+0.08	0.17	+0.02
1-16	31.46	249.70	+0.09	0.13	+0.01
1-20	31.53	249.70	+0.09	0.07	0.00
1-23	31.74	249.72	+0.11	0.11	+0.02
1-27	31.91	249.73	+0.12	0.17	+0.01
1-30	32.03	249.73	+0.12	0.12	0.00
2-3	32.19	249.73	+0.12	0.16	0.00
2-6	32.37	249.73	+0.12	0.18	0.00
2-10	32.55	249.73	+0.12	0.18	0.00
2-13	32.72	249.76	+0.15	0.17	0.03

CONT. TO pg. 89

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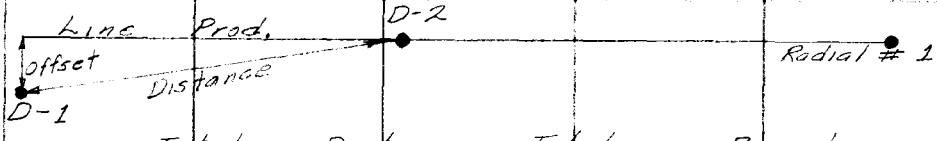
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes E ¢. Date [illegible]
Date	Indexed C. J. GALLI JUL 1 6 63

F. B. 950 Pg. 41

COMPARISON SHEET

"D" Line (D-1 To: D-2)

Con't. from F.B. 950-10



Date	Total Offset	Distance D-1 To: D-2	Total Spread	Period Line	Period Spread
10-28-57	1.75	211.99	25.88	0.03	+0.11
10-29	1.76	212.02	25.91	0.01	+0.03
10-30	1.76	212.06	25.95	0.00	+0.04
10-31	1.74	212.12	26.01	-0.02	+0.06
11-1	1.74	212.15	26.04	0.00	+0.03
11-4	1.74	212.27	26.16	0.00	+0.12
11-5	1.75	212.32	26.21	0.01	+0.05
11-6	1.76	212.32	26.19	0.01	0.00
11-7	1.77	212.37	26.24	0.01	+0.05
11-8	1.77	212.41	26.28	0.00	+0.04
11-12	1.76	212.60	26.47	0.01	+0.19
11-13	1.78	212.60	26.47	0.02	0.00
11-14					
11-15	1.78	212.71	26.58	0.00	+0.11
11-18	1.78	212.81	26.68	0.00	+0.10
11-19	1.78	212.84	26.71	0.00	[illegible]
11-20	1.79	212.86	26.73	0.01	0.02
11-21					
11-22	1.78	212.94	26.81	0.01	0.08
11-25	1.81	213.11	26.98	0.03	0.17
11-26	1.78	213.10	26.97	0.03	0.01
11-27	1.81	213.14	27.01	0.03	+0.04
11-29	1.81	213.23	27.10	0.00	+0.09
12-2	1.81	213.35	27.22	0.00	+0.12
12-3	1.82	213.37	27.24	0.01	+0.02

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76F309S S&E #247. 8-54

F.B. 950 PG. 42

D-1 To: D-2

Date	Total Offset	Distance D-1 To: D-2	Total Spread	Period Line	Period Spread
12-4	1.82	213.41	27.28	0.00	+0.04
12-5					
12-6	1.84	213.49	27.36	0.02	+0.08
12-9	1.83	213.60	27.47	0.01	+0.11
12-10	1.83	213.62	27.49	0.00	+0.02
12-11	1.83	213.65	27.52	0.00	+0.03
12-12	1.83	213.71	27.58	0.00	+0.04
12-13	1.83	213.72	27.59	0.00	0.01
12-16					
12-17	1.85	213.92	27.77	0.02	+0.20
12-18	1.86	213.98	27.85	0.01	+0.06
12-19	1.85	214.00	27.87	0.01	+0.02
12-20	1.85	214.01	27.88	0.00	+0.01
12-23	1.86	214.15	28.02	0.01	+0.14
12-24	1.87	214.24	28.11	0.01	+0.09
12-30	1.87	214.40	28.27	0.02	+0.16
1-2-58	1.90	214.53	28.40	0.01	+0.13
1-6	1.89	214.67	28.54	0.01	+0.14
1-9	1.92	214.79	28.66	0.03	+0.12
1-13	1.92	214.96	28.83	0.00	+0.17
1-16	1.95	215.04	28.91	0.03	+0.08
1-23	1.95	215.20	29.07	0.00	+0.16
1-24	1.94	215.31	29.18	0.01	+0.11
1-27	1.95	215.49	29.36	0.01	+0.18
1-30	1.97	215.62	29.49	0.02	+0.13
2-3	1.98	215.77	29.64	0.01	+0.15
2-6	1.98	215.92	29.79	0.00	+0.15
2-10	2.00	216.07	29.94	0.02	+0.15
2-13	2.01	216.23	30.10	0.01	+0.16

Cont. to pg. 41

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.

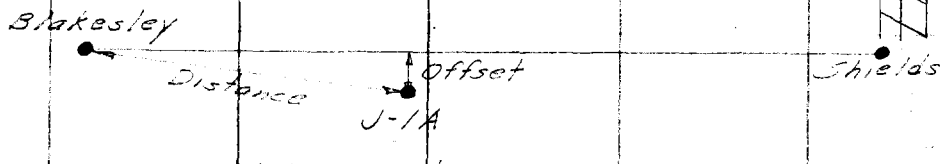
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes E.O. Date 10-29-57
Date	Indexed C. J. GALES JUL 1 6 '63

F. B. 950 Pg. 43

COMPARISON SHEET

"J" Line (Blakesley To J-1A)

Con't from F.B. 950-12



Date	Total Offset	Distance Blakesley To J-1A	Total Spread	Period Line	Period Spread
10-28-57	6.58	188.36	-0.45	0.02	+0.01
10-29	6.58	188.36	-0.45	0.00	0.00
10-30	6.58	188.37	-0.44	0.00	+0.01
10-31	6.60	188.37	-0.44	0.02	0.00
11-1	6.61	188.35	-0.46	0.01	-0.02
11-4	6.64	188.35	-0.46	0.03	0.00
11-5	6.66	188.37	-0.44	0.02	+0.02
11-6	6.66	188.35	-0.46	0.00	-0.02
11-7	6.67	188.36	-0.45	0.01	+0.01
11-8	6.67	188.35	-0.46	0.00	-0.01
11-12	6.71	188.36	-0.45	0.04	+0.01
11-13	6.72	188.34	-0.47	0.01	-0.02
11-14	—	—	—	—	—
11-15	6.72	188.33	-0.48	0.00	-0.01
11-18	6.75	188.35	-0.46	0.03	+0.02
11-19	6.77	188.34	-0.47	0.02	-0.01
11-20	6.79	188.33	-0.48	0.02	-0.01
11-21		—			
11-22	6.80	188.35	-0.46	0.01	0.02
11-25	6.81	188.35	-0.46	0.01	0.00
11-26	6.83	188.34	-0.47	0.02	-0.01
11-27	6.85	188.36	-0.45	0.02	+0.02
11-29	6.86	188.36	-0.45	0.01	0.00
12-2	6.86	188.32	-0.49	0.00	-0.04
12-3	6.87	188.32	-0.49	0.01	0.00

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76F309S S&E #247, 8-54

F.B. 350 Pg. 44

Blakeslee To: J-1A

Date	Total Offset	Distance	Total Spread	Period Line	Period Spread
12-4	6.89	188.31	-0.50	0.02	-0.01
12-5					
12-6	6.90	188.33	-0.45	0.01	+0.02
12-9	6.90	188.35	-0.46	0.02	+0.02
12-10	6.93	188.34	-0.47	0.01	-0.01
12-11	6.96	188.32	-0.49	0.03	-0.04
12-12	6.96	188.32	-0.49	0.00	0.00
12-13	6.98	188.33	-0.48	0.02	+0.01
12-16					
12-17	7.01	188.33	-0.48	0.03	0.00
12-18	[illegible]	188.33	-0.45	0.01	[illegible]
12-19	7.02	188.33	-0.48	0.00	0.00
12-20	7.04	188.32	-0.49	0.02	-0.01
12-22	7.04	188.31	-0.50	0.00	-0.01
End of [illegible] for [illegible]					
5-10-61		188.11	-0.70		-0.20

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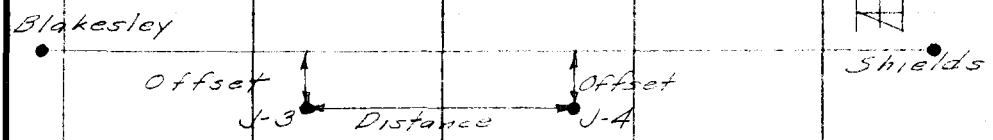
Notes Ck'd by	Survey of Port [illegible] Landslide
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-57
Date	Indexed C. J. GALLI JUL 1 6 '63

F. B. 950 PG. 45

COMPARISON SHEET

"J" Line (J-3 To: J-4)

Con't. from F.B. 950-15



Date		Total Offset	Distance	Total Spread	Period Line	Period Spread
10-28-57	J3	18.56	238.30	-4.41	0.12	+0.01
	J4	19.73			0.14	
10-29	J3	18.56	238.29	-4.42	0.00	-0.01
	J4	19.73			0.00	
10-30	J3	18.61	238.28	-4.43	0.05	-0.01
	J4	19.79			0.06	
10-31	J3	18.63	238.28	-4.36	0.02	-0.05
	J4	19.81			0.02	
11-1	J3	18.65	238.30	-4.41	0.02	+0.03
	J4	19.82			0.01	
11-4	J3	18.72	238.29	-4.42	0.07	-0.01
	J4	19.89			0.07	
11-5	J3	18.73	238.29	-4.42	0.01	0.00
	J4	19.91			0.02	
11-6	J3	18.80	238.27	-4.44	0.07	0.02
	J4	19.98			0.07	
11-7	J3	18.80	238.29	-4.42	0.00	+0.02
	J4	19.98			0.00	
11-8	J3	18.83	238.27	-4.44	0.03	-0.02
	J4	20.01			0.03	
11-12	J3	18.92	238.24	-4.47	0.09	-0.03
	J4	20.12			0.11	
11-13	J3	18.95	238.26	-4.45	0.03	+0.02
	J4	20.14			0.02	

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76F309S S&E #247. 8-54

F.B. 150 PG. 46

J-3 To: J-4

Date		Total Offset	Distance	Total Spread	Period Line	Period Spread
11-14	J3					
	J4					
11-15	J3	19.02	238.25	-4.48	0.07	-0.03
	J4	20.20			0.06	
11-18	J3	19.11	238.21	-4.50	0.09	-0.02
	J4	20.30			0.10	
11-19	J3	19.14	238.22	-4.49	0.03	+0.01
	J4	20.34			0.04	
11-20	J3	19.14	238.20	-4.51	0.00	-0.02
	J4	20.34			0.00	
11-21	J3					
	J4					
11-22	J3	19.18	238.17	-4.54	0.04	0.03
	J4	20.37			0.03	
11-25	J3	19.26	238.18	-4.53	0.08	+0.01
	J4	20.47			0.10	
11-26	J3	19.28	238.16	-4.55	0.02	-0.02
	J4	[illegible]			[illegible]	
11-27	J3	[illegible]	238.16	-4.55	0.06	0.00
	J4	20.52			0.02	
11-29	J3	19.36	238.17	-4.54	0.02	+0.01
	J4	20.58			0.06	
12-2	J3	19.40	238.13	-4.58	0.04	-0.04
	J4	20.62			0.04	
12-3	J3	19.45	238.12	-4.59	0.05	-0.01
	J4	20.66			0.04	
12-4	J3	19.47	238.12	-4.59	0.02	0.00
	J4	20.70			0.02	
12-5	J3					
	J4					
12-6	J3	[illegible]	[illegible]	-4.59	0.07	0.04
	J4	20.76			0.06	
12-9	J3	[illegible]	238.09	-4.62	0.13	-0.03
	J4	20.80			0.06	
12-10	J3	19.67	238.08	-4.63	0.00	-0.01
	J4	20.85			0.03	
12-11	J3	19.66	238.08	-4.63	0.01	0.00
	J4	20.88			0.03	
12-12	J3	19.70	238.07	-4.64	0.02	-0.01
	J4	20.93			0.05	
12-13	J3	19.70	238.06	-4.65	0.00	-0.01
	J4	20.93			0.00	
12-16	J3					
	J4					

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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 Portuguese Bend Landslide	F. B. [illegible] Pg. 47
Map No.	W. O. 0021.64 Tape No. St'd. °F	
Office Work	Surveyed by English	
Checked	Notes Ed. Date 11-57	
Date	Indexed C. J. GALLI	

J-3 To J-4

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
12-17	19.81 [illegible]	238.[illegible]	-4.65	0.11 0.11	0.00
12-18	[illegible] [illegible]	[illegible]	-4.65	[illegible] [illegible]	[illegible]
12-19	19.84 21.08	238.04	-4.67	0.02 0.02	+0.01
12-20	19.88 21.10	238.04	-4.67	0.04 0.02	0.00

END OF MEASUREMENT PER OFFICE INST.

12-20-57 CKL

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F. B. 950 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.

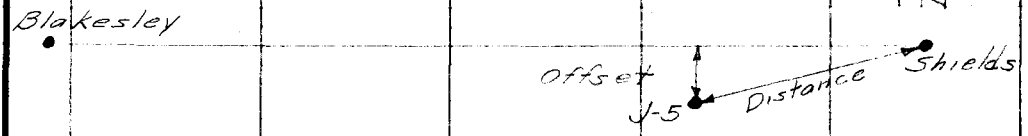
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-57
Date	Indexed C. J. GAL[illegible]

F. B. [illegible] PG. 49

COMPARISON SHEET

J-Line (J-5 To: Shields)

Con't. from F.B. 950-18



Date	Total Offset	Distance	Total Spread	Period Line	Period Spread
10-28-57	21.70	267.65	+9.26	0.09	+0.01
10-29	21.73	267.65	+9.26	0.03	0.00
10-30	21.75	267.63	+9.24	0.02	-0.02
10-31	21.79	267.73	+9.34	0.04	+0.10
11-1	21.82	267.71	+9.32	0.03	-0.02
11-4	21.93	267.73	+9.34	0.11	+0.02
11-5	21.95	267.82	+9.43	0.02	+0.09
11-6	21.99	267.80	+9.41	0.04	-0.02
11-7	21.98	267.87	+9.48	0.01	+0.07
11-8	22.06	267.85	+9.46	0.08	-0.02
11-12	22.19	—	—	0.13	—
11-13	22.23	267.91	+9.52	0.04	+0.06
11-14	—	—	—	—	—
11-15	22.29	267.95	+9.56	0.06	+0.04
11-18	22.38	267.93	+9.54	0.09	-0.02
11-19	22.39	267.98	+9.59	0.01	+0.05
11-20	22.45	267.96	+9.57	0.06	-0.02
11-21	—	—	—	—	—
11-22	22.49	268.02	+9.63	0.04	+0.06
11-25	22.59	268.00	+9.61	0.10	-0.02
11-26	22.64	268.05	+9.66	0.05	+0.05
11-27	22.67	268.13	+9.74	0.03	+0.08
11-29	22.71	268.12	+9.73	0.04	-0.01
12-2	22.79	268.17	+9.78	0.08	+0.05
12-3	22.82	268.17	+9.78	0.03	0.00

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RETURN TO
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76F309S S&E #247. 8-54

F. B. 950 PG. 50

J5 TO SHEET 25

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
12-4	22.85	268.25	+9.86	0.03	+0.08
12-5					
[illegible]	22.91	268.24	+9.85	0.06	-0.01
[illegible]	23.00	268.23	+9.84	0.09	-0.01
12-10	23.04	268.26	+9.87	0.04	+0.03
12-11	23.07	268.29	+9.90	0.03	+0.03
12-12	23.10	268.29	+9.90	0.03	0.00
12-13	23.13	268.33	+9.94	0.03	+0.04
12-16					
12-17	23.27	268.35	+9.96	0.14	0.02
12-18	23.29	268.40	+10.01	0.02	0.05
12-19	23.30	268.38	+9.99	0.01	-0.02
12-20	23.34	268.44	+10.05	0.04	+0.06
12-23	23.45	268.47	+10.08	0.11	+0.03
12-26	23.53	268.49	+10.10	0.08	+0.02
12-30	[illegible].61	268.58	+10.19	[illegible]	[illegible]
1-2-56	23.75	268.56	+10.17	0.14	0.00
1-6	23.89	268.68	+10.29	0.14	+0.10
1-9	23.96	268.68	+10.29	[illegible]	0.00
1-13	24.09	268.75	+10.36	0.11	+0.07
1-16	24.18	268.83	+10.44	0.09	+0.08
1-20	24.31	268.88	+10.49	0.13	+0.05
1-23	24.42	268.88	+10.49	0.11	0.00
1-27	24.53	269.00	+10.61	0.11	0.12
1-30	24.67	269.00	+10.61	0.14	0.00
2-3	24.77	269.11	+10.71	0.10	+0.11
2-6	24.90	269.14	+10.74	0.13	0.03
2-10	25.06	269.22	+10.82	0.16	+0.08
2-13	25.17	269.30	+10.90	0.11	0.08

CONT TO PG. 23

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

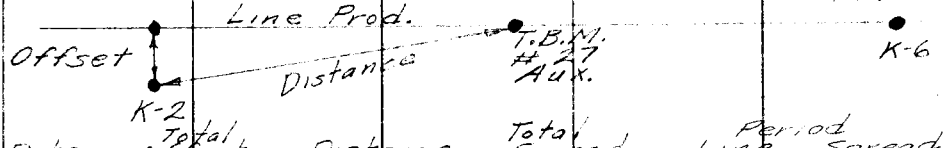
Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-57
Date	Indexed C. J. GALLI

F. B. 951 Pg. 51

COMPARISON SHEET

"K" Line K-2 To: T.B.M. #27 Aux.

Con't. from F.B. 950-22



Date	Total Offset	Distance	Total Spread	Period Line	Period Spread
10-28	14.73	83.16	+0.07	0.18	+0.01
10-29	14.80	83.16	+0.07	0.07	0.00
10-30	14.85	83.14	+0.05	0.05	-0.02
10-31	14.92	83.15	+0.06	0.07	+0.01
11-1	14.97	83.16	+0.07	0.05	+0.01
11-4	15.16	83.16	+0.07	0.19	0.00
11-5	15.21	83.15	+0.06	0.05	-0.01
11-6	15.27	83.16	+0.07	0.06	+0.01
11-7	15.31	83.17	+0.08	0.04	+0.01
11-8	15.37	83.16	+0.07	0.06	-0.01
11-12	15.56	83.18	+0.09	0.19	+0.02
11-13	15.63	83.20	+0.11	0.07	+0.02
11-14	15.67	83.18	+0.09	0.04	-0.02
11-15	15.73	83.18	+0.09	0.06	0.00
11-18	15.88	83.18	+0.09	0.15	0.00
11-19	15.93	83.18	+0.09	0.05	0.00
11-20	15.98	83.18	+0.09	0.05	0.00
11-21	16.03	83.19	+0.10	0.05	0.01
11-22	16.09	83.19	+0.10	0.06	0.00
11-25	16.20	83.20	+0.11	0.11	0.01
11-26	16.31	83.21	+0.12	0.11	+0.01
11-27	16.34	83.20	+0.11	0.03	-0.01
11-29	16.44	83.23	+0.14	0.10	+0.03
12-2	16.60	83.23	+0.14	0.16	0.00
12-3	16.64	83.21	+0.12	0.04	-0.02

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F.B. 950 PG. 52

K2 TO TBM 27 AUX

DATE	TOTAL OFFSET	DISTANCE	TOTAL SPREAD	PERIOD LINE	PERIOD SPREAD
12-4	16.71	83.21	+0.12	0.07	0.00
12-5	16.74	83.21	+0.12	0.03	0.00
12-6 +27	16.50	83.22	+0.13	0.03	+0.01
12-9	16.60	83.22	+0.13	0.10	0.00
12-10	16.63	83.22	+0.13	0.03	0.00
12-11	16.65	83.23	+0.13	0.02	+0.01
12-12	16.68	83.23	+0.13	0.03	0.00
12-13	16.71	83.24	+0.14	0.03	+0.01
12-16	16.81	83.24	+0.14	0.10	0.00
12-17	16.84	83.24	+0.14	0.03	0.00
12-18	16.86	83.25	+0.15	0.02	+0.01
12-19	16.88	83.25	+0.15	0.02	0.00
12-20	16.91	83.25	+0.15	0.03	0.00
12-23	17.00	83.29	+0.19	0.09	0.04
12-26	17.06	83.29	+0.19	0.06	0.00
12-30	17.14	83.28	+0.19	[illegible]	[illegible]
1-2-58	17.24	83.30	+0.20	0.10	+0.02
1-6	17.35	83.32	+0.22	0.11	+0.02
1-9	17.42	83.33	+0.23	0.07	+0.01
1-13	17.52	83.34	+0.24	0.10	+0.01
1-16	17.61	83.34	+0.24	0.09	0.00
1-20	17.70	83.34	+0.24	0.07	0.00
1-23	17.75	[illegible]	+0.26	0.05	+0.02
1-27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1-30	18.15	83.37	+0.27	0.19	+0.01
2-3	18.38	83.39	+0.29	0.23	[illegible]
2-6	[illegible]	[illegible]	[illegible]	0.25	[illegible]
2-10	18.90	83.50	+0.40	0.27	+0.07
2-13	19.13	83.51	+0.41	0.23	+0.01

Cont. to pg. 75

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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 802.164 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-57
Date	Indexed C. J. GALLI

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

COMPARISON SHEET
K-3A
Con't. from F.B. 950-6

Date	Total Offset	(-1.86)	Period Line
10-28-57	9.92	8.06	0.19
10-29	10.00	8.14	0.08
10-30	10.06	8.20	0.06
10-31	10.13	8.27	0.07
11-1	10.20	8.34	0.07
11-4	10.35	8.49	0.15
11-5	10.42	8.56	0.07
11-6	10.48	8.62	0.06
11-7	10.58	8.72	0.10
11-8	10.66	8.80	0.08
11-12	10.90	9.04	0.24
11-13	10.96	9.10	0.06
11-14	11.01	9.15	0.05
11-15	11.06	9.20	0.05
11-18	11.21	9.35	0.15
11-19	11.27	9.41	0.06
11-20	11.32	9.46	0.05
11-21	11.38	9.52	0.06
11-22	11.47	9.61	0.09
11-25	11.66	9.80	0.19
11-26	11.75	9.89	0.09
11-27	11.78	9.92	0.03
11-29	11.88	10.02	0.10
12-2	12.07	10.21	0.19
12-3	12.14	10.28	0.07
12-4	12.18	10.32	0.04
12-5	12.21	10.35	0.03
12-6	12.27	10.41	0.06
12-7	12.45	10.59	0.18

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

F. B. 950 PG. 54

K3A

DATE	TOTAL OFFSET	(-1.86)	PERIOD LINE
12-10	12.53	10.67	0.08
12-11	12.58	10.72	0.05
12-12	12.66	10.80	0.08
12-13	12.71	10.85	0.05
12-16	12.90	11.04	0.19
12-17	13.00	11.14	0.10
12-18	13.02	11.16	0.02
12-19	13.10	11.24	0.08
12-20	13.16	11.30	0.06
12-23	13.39	11.53	0.23
12-26	13.54	11.68	0.15
12-30	[illegible]	11.94	0.26
1-2-58	13.96	12.10	0.16
1-6	14.23	12.37	0.27
1-9	14.41	12.55	0.18
1-13	14.64	12.78	0.23
1-16	14.79	12.93	0.15
1-20	15.05	13.19	0.26
1-23	15.27	13.41	0.22
1-27	[illegible]	13.70	0.29
1-30	15.76	13.90	0.20
2-3	16.05	14.19	0.29
2-6	[illegible]	[illegible]	[illegible]
2-10	16.42	14.56	0.14
2-13	16.81	[illegible]	[illegible]

CONT TO PG. 77

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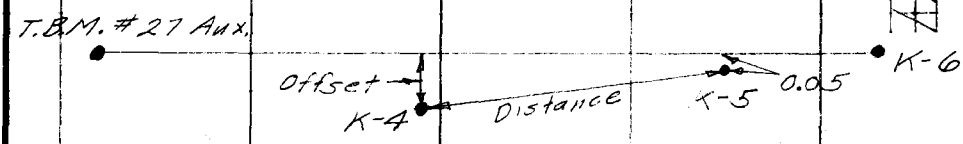
Notes Ck'd by	Survey of Pol. Bend Lancaster 002.64
Map No.	W. O. Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-57
Date	Indexed J. GAITI JUL 16 63

F. B. 9-F Pg. 22

COMPARISON SHEET

"K" Line (K-4 To: K-5)

Con't. from F.B. 950-33



Date	Total Offset (K-4)	Distance	Total Spread	Period Line	Period Spread
10-28-57	30.15	265.08	+ 8.83	0.12	+ 0.01
10-29	30.22	265.14	+ 8.89	0.07	+ 0.06
10-30	30.27	265.13	+ 8.88	0.05	- 0.01
10-31	30.32	265.16	+ 8.91	0.05	+ 0.03
11-1	30.34	265.16	+ 8.91	0.02	0.00
11-4	30.53	265.24	+ 8.99	0.19	0.08
11-5	30.55	265.23	+ 8.98	0.02	- 0.01
11-6	30.61	265.26	+ 9.01	0.06	+ 0.03
11-7	30.65	265.27	+ 9.02	0.04	+ 0.01
11-8	30.71	265.28	+ 9.03	0.06	+ 0.01
11-12	30.89	265.38	+ 9.13	0.18	+ 0.10
11-13	30.94	265.36	+ 9.11	0.05	- 0.02
11-14	30.98	265.38	+ 9.13	0.04	+ 0.02
11-15	31.07	265.37	+ 9.12	0.09	- 0.01
11-18	31.15	265.44	+ 9.19	0.08	+ 0.07
11-19	31.22	265.45	+ 9.20	0.07	+ 0.01
11-20	31.24	265.47	+ 9.22	0.02	+ 0.02
11-21	31.30	265.47	+ 9.22	0.06	+ 0.00
11-22	31.33	265.48	+ 9.23	0.03	0.01
11-25	31.47	265.52	+ 9.27	0.14	+ 0.04
11-26	31.52	265.50	+ 9.25	0.05	- 0.02
11-27	31.57	265.59	+ 9.34	0.05	+ 0.09
11-29	31.64	265.57	+ 9.32	0.07	- 0.02
12-2	31.82	265.64	+ 9.39	0.18	+ 0.07
12-3	31.83	265.65	+ 9.40	0.01	+ 0.01

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
ENGINEERING BLDG.

76F3095 S&E #247 B-54

F. B. 950 PG. 56

K4 TO K5

DATE	TOTAL [illegible]	DISTANCE	TOTAL [illegible]	[illegible]	[illegible]
12-4	31.87	265.67	+9.42	0.04	+0.02
12-5	31.72	265.70	+9.45	0.03	+0.03
12-6	31.76	265.74	+9.49	0.04	+0.04
12-9	32.10	265.75	+9.50	0.14	+0.01
12-10	32.17	265.77	+9.52	0.07	+0.02
12-11	32.24	265.78	+9.53	0.07	+0.01
12-12	32.28	265.82	+9.57	0.04	+0.04
12-13	32.32	265.82	+9.57	0.04	0.00
12-16	32.43	265.87	+9.62	0.11	+0.05
12-17	32.51	265.87	+9.62	0.08	0.00
12-18	32.56	265.93	+9.68	0.05	+0.06
12-19	32.61	265.93	+9.68	0.05	0.00
12-20	32.65	265.92	+9.67	0.04	-0.01
12-23	32.80	265.95	+9.70	0.15	+0.03
12-26	32.94	266.00	+9.75	0.14	+0.05
12-30	33.14	266.09	[illegible]	[illegible]	[illegible]
1-2-38	33.29	266.14	+9.69	0.15	+0.05
1-6	33.50	266.22	+9.97	0.21	+0.08
1-9	33.64	266.26	+10.01	0.14	+0.04
1-13	33.83	266.34	+10.09	0.19	+0.08
1-16	34.06	266.37	+10.12	0.23	+0.03
1-22	34.13	266.46	+10.21	0.07	+0.09
1-23	34.31	266.46	+10.21	0.18	0.00
[illegible]	[illegible]	[illegible]	+10.35	[illegible]	0.14
[illegible]	34.68	266.60	+10.35	[illegible]	0.03
2-3	34.89	266.68	+10.43	0.21	+0.05
2-6	35.01	[illegible]	[illegible]	0.08	[illegible]
2-10	35.32	266.90	+10.65	0.25	+0.15
2-13	35.54	266.91	+10.66	0.22	+0.01

CONT. TO PG. 99

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Notes Ck'd by	Survey of PORT BEND LANDSLIDE
Map No.	W.O. P821.64 Tape No. St'd. °F
Office Work	Surveyed by ENGLISH
Checked	Notes Ed. Date 10-57
Date	Indexed L. J. Gatti JUL 16 '63

F.B. 780 Pg. 57

Note! New Target & New Pts. 10-28-57 See pg. 37 & 38

PIN "A" COMPARISONS

Con't. from F.B. 949-226

Date	Shear Total	Shear Period	Period N+ S-	Tilt E+ W-	Total days	Daily Avg. Shear	Total N+ S-	Tilt E+ W-
10-28	23.13	—			0		+ 0.85	- 0.33
10-29	23.02	0.11	0.01	0.05	1		+ 0.84	- 0.28
10-30	22.97	0.05	0.08	0.10	2		+ 0.92	- 0.18
10-31	22.93	0.04			3			
11-1	22.81	0.12	0.13	0.00	4		+ 1.05	- 0.18
11-4	22.62	0.25	0.04	0.02	7		+ 1.01	-0.20
11-5	22.61	0.01	0.01	-0.02	8		+ 1.02	- 0.18
11-6	22.54	0.07	0.00	0.00	9		+ 1.02	- 0.18
11-7	22.45	0.09	0.00	0.02	10		+ 1.02	- 0.20
11-8	22.42	0.03	0.02	0.01	11		+ 1.04	- 0.19
11-12	22.13	0.29	0.01	0.03	15		+ 1.03	- 0.22
11-13	22.05	0.08	0.02	0.03	16		+ 1.05	- 0.19
11-14	—				17			
11-15	—				18			
Note: New Target & New Tilt Pts (11-22-57) See F.B. 950-83								
11-22	20.25				1		+ 0.10	
11-25	20.01	0.24	0.04		4		+ 0.14	
11-26	19.98	0.03	0.00		5		+ 0.14	
11-27	19.89	0.09	0.02		6		+ 0.16	
11-29	19.80	0.09	0.01		8		+ 0.17	
12-2	19.52	0.25	0.03		11		+ 0.20	
12-3	19.50	0.02	0.00		12		+ 0.20	
12-4	19.41	0.09	0.02		13		+ 0.22	
12-5	19.35	0.06	0.02		14		+ 0.23	
12-6	19.28	0.07	0.00		15		+ 0.24	
12-9	19.06	0.22	0.00		18		+ 0.24	
12-10	18.99	0.07	0.03		19		+ 0.27	
12-11	18.89	0.10	0.00		20	0.0511	+ 0.27	

NOTE: TARGET ON THIS PIN APPEARS TO HAVE COME APART. FIELD PIN # DISCLOSING ONE DEGREE NORTH. THAT POINT IS NOT WELL FOUNDED. JULY 1957

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76F309S S&E #247

F.B. 750 Pg. 58

Pin "A"

Date	Shear Total	Shear Period	Period Tilt N+	Period Tilt S-	Period Tilt E+	Period Tilt W-	Total Days	Daily Avg. Shear	Total Tilt N+	Total Tilt S-	Total Tilt E+	Total Tilt W-
12-12	18.79	0.10	0.01				21		+0.28			
12-13	18.74	0.05	0.03				22		+0.31			
12-16	18.51	0.20	0.00				25		+0.31			
12-17	18.40	0.05	0.01				26		+0.32			
12-18	18.41	0.08					Note!					
12-19	18.31	0.10					Discontinued Tilt measurements. South tilt point destroyed.					
12-20	18.20	0.11										
12-23	17.96	0.22										
12-26	17.77	0.19										
12-30	17.50	0.29										
1-2-50	17.29	0.21										
1-6	17.09	0.20										
1-9	16.93	0.16										
1-13	16.75	0.18										
1-16	[illegible]	0.12										
1-20	16.47	0.15										
1-23	16.26	0.21										
1-27	[illegible]	[illegible]										
1-30	15.93	0.33										
2-3	15.72	0.21										
2-7	[illegible]	[illegible]										
2-10	15.29	0.29										
2-13	15.16	0.13										

Cont. to pg. 101

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Notes Ck'd by	Survey of PORT BEND LANDSLIDE	F. B. 950 PG. 79
Map No.	W. O. 0021.64 Tape No. St'd. °F	
Office Work	Surveyed by ENGLISH	
Checked	Notes C.H.G. Date 10-57	
Date	Indexed C. J. GALLI JUL 1 6 '59	

PIN "D" COMPARISONS

Con't. from F.B. 949-230

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
10-28-57	18.24	0.27	0.00		73		+0.29	Note: New Tilt pts. 10-28-57 N.&S.
10-29	18.19	0.05	0.01		74		+0.28	
10-30	18.07	0.12	0.00		75		+0.28	
10-31	17.99	0.08	0.00		76		+0.27	
11-1	17.89	0.10	0.02		77		+0.26	
11-4	17.64	0.25	0.03		80		+0.29	
11-5	17.56	0.08	0.01		81		+0.28	
11-6	17.47	0.09	0.03		82		+0.31	
11-7	17.41	0.06	0.02		83		+0.29	
11-8	17.30	0.11	0.01		84		+0.31	
11-12	17.01	0.29	0.01		88		+0.30	
11-13	16.91	0.10	0.02		89		+0.32	
11-14	16.83	0.08	0.08		90		+0.40	
11-15	16.78	0.05			91			
11-18	16.52	0.26			94			
11-19	16.48	0.04			95			
11-20	16.41	0.07			96			
11-21	16.34	0.07			97			
11-22	16.22	0.12			98			
Note: New Target & Tilt Pts (11-22-57) See F.B. 950-83								
11-22	18.47	—	—		1		+0.51	
11-25	18.24	0.23	0.02		4		+0.53	
11-26	18.15	0.09	0.00		5		+0.53	
11-27	18.15	0.00	0.01		6		+0.52	
11-29	17.97	0.18	0.01		8		+0.53	
12-2	17.78	0.19	0.03		11		+0.56	
12-3	17.72	0.06	0.01		12		+0.57	
12-4	17.65	0.07	0.03		13		+0.60	

NOTE: TILT POINT APPEARS TO HAVE COME IN CONTACT WITH 2 YR OF WHICH CASING IS SITTING. FUTURE N&S TILTS UNCERTAIN. 11-14-57

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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ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 950 Pg. 60 PIN "D"

DATE	SHEAR TOTAL	SHEAR PERIOD	PERIOD TILT N&S	PERIOD TILT E&W	TOTAL DAYS	DAILY SLOPE SHEAR	TOTAL TILT N&S	TOTAL TILT E&W
12-5	17.59	0.06	0.00	—	—	—	+0.60	—
12-6	17.54	0.05	0.01				+0.61	
12-9	17.32	0.22	0.00				+0.61	
12-10	17.24	0.08	0.00				+0.61	
12-11	17.19	0.05	0.00			0.067	+0.61	
12-12	17.11	0.08	0.01				+0.60	
12-13	17.03	0.08	0.02				+0.62	
12-16	16.81	0.22	0.00				+0.62	
12-17	16.76	0.05	0.00				+0.62	
12-18	16.71	0.05						
12-19	16.61	0.10						
12-20	16.55	0.06						
12-23	16.35	0.20						
12-26	16.20	0.15						
12-30	15.86	0.34						
1-3	15.62	0.24						
1-6	15.45	0.24						
1-9	15.25	0.20						
1-13	15.00	0.25						
1-16	14.89	0.11						
1-20	14.67	0.22						
1-23	14.44	0.13						
[illegible]	[illegible]	0.23						
[illegible]	[illegible]	0.19						
2-3	13.73	0.27						
2-6	13.52	0.21						
2-10	13.29	0.23						
2-13	13.10	0.19						

Note 1

DISCONTINUED TILT
PROBABLY DUE TO
PEAK & SAND IN THINGS.

Cont. to pg. 65

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 PORT BEND LANDING
Map No.	W. O. 2021.64 Tape No. St'd. °F
Office Work	Surveyed by ENGLISH
Checked	Notes C.H.G. Date 10-28-57
Date	Indexed C. J. GALLI JUL 16

F.B. 950 PG. 61

Note: New Target 10-28-57 and New Tilt Pts. See pg. 31 & 38

PIN "E" COMPARISONS

Con't. from F.B. 949-232

DATE	SHEAR TOTAL	SHEAR PERIOD	PERIOD TILT B & S	PERIOD TILT E & W	TOTAL DAYS	DAILY AVER. SHEAR	TOTAL TILT N & S	TOTAL TILT E & W
10-28	6.01	—	—	—	0		+1.06	-0.01
(old)	3.50	0.21			87			
10-29	5.97	0.04			1		+1.07	-0.03
(old)	3.45	0.05			88			
10-30	5.90	0.07			2		+1.08	-0.02
(old)	3.38	0.07			89			
10-31	5.84	0.06			3		+1.10	-0.04
(old)	3.32	0.06			90			
11-1	5.76	0.08			4		+1.18	
(old)	3.23	0.09			91			
11-4	5.58	0.18	0.01		7		+1.19	
11-5	5.50	0.08	0.03		8		+1.22	
11-6	5.45	0.05	0.01		9		+1.23	
11-7	5.39	0.06	0.03		10		+1.20	
11-8	5.31	0.08	0.02		11		+1.22	
11-12	5.03	0.28	0.09		15		+1.31	
11-13	4.98	0.05	0.02		16		+1.29	
11-14	4.90	0.08	0.01		17		+1.30	
11-15	4.83	0.07	0.03		18		+1.33	
11-18	4.65	0.18	0.05		21		+1.38	
11-19	4.59	0.06	0.03		22		+1.41	
11-20	4.52	0.07	0.01		23		+1.40	
11-21					24			
11-22					25			
Note: New Target & Tilt Pts (11-22-57) See F.B. 950-83								
11-22	4.00				1		+0.64	
11-25	3.74	0.26			4			
11-26	N.G.				5		N.G.	
11-27					6			
11-29					8			
12-4	3.24				11			
12-5	3.21	0.03						
12-6	3.19	0.02						
12-9	2.94	0.25				0.069		

Note: (11-12-57) Two Big cracks in top of Pin.

Note: Target appears to be breaking-up. (11-25-57) South tilt pt. is full of dirt, N.G.

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.

F.B. 950 PG. 62 PIN "E"

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
12-10	2.82	0.12						
12-11	2.76	0.06						
12-12	2.68	0.08						
12-13	2.61	0.07						
12-16	2.41	0.20						
12-17	2.32	0.09						
12-18	2.23	0.09						
12-19	2.14	0.09						
12-20	2.05	0.09						
12-23	1.83	0.22						
12-26	1.64	0.19						
12-30	1.35	0.29						
1-2-58	1.15	0.20						
1-6	0.83	0.32						
1-9	0.64	0.19						
1-13	0.32	0.32						
1-16	0.18	0.14						
1-20	0.17	0.35						
1-23	0.24	[illegible]						
1-27	0.06	0.27						
[illegible]	0.22	0.24						
2-3	1.25	0.33						
2-6	1.63	0.38						
2-10	1.97	0.34						
2-13	2.15	0.18						

Cont to pg 107

RETURN TO
LOS ANGELES COUNTY SURVEYOR
720 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 PORT BEND LANDSLIDE
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by ENGLISH
Checked	Notes ED. Date 10-22-57
Date	Indexed E. I. GALLI JUL 1 6 '63

F. B. 950 PG. 23

COMPARISON SHEET

"KA"

Cont. from F.B. 949 - 234

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AVER. SHEAR
10-28	4.61	0.10	96	
10-29	4.69	0.08	97	
10-30	4.75	0.06	98	
10-31	4.80	0.05	99	
11-1	4.[illegible]	0.02	100	
11-4	5.00	0.18	103	
11-5	5.04	0.04	104	
11-6	5.09	0.05	105	
11-7	5.13	0.04	106	
11-8	5.19	0.06	107	
11-12	5.38	0.19	111	
11-13	5.43	0.05	112	
11-14	5.46	0.03	113	
11-15	5.54	0.08	114	
11-18	5.63	0.09	117	
11-19	5.68	0.05	118	
11-20	5.71	0.03	119	
11-21	5.77	0.06	120	
11-22	5.82	0.05	121	
11-25	5.95	0.13	124	
11-26	6.00	0.05	125	
11-27	6.05	0.05	126	
11-29	6.13	0.08	128	
12-2	6.29	0.16	131	
12-3	6.31	0.02	132	
12-4	6.36	0.05	133	
12-5	6.42	0.06		
12-6	6.47	0.05		

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

76F309S S&E #247. 8-54

F.B. 950 PG. 64 "KA"

DATE	SHEAR TOTAL	SHEAR PERIODS	TOTAL DAYS	DAILY AVER. SHEAR
12-9	6.59	0.12		
12-10	6.66	0.07		
12-11	6.74	0.08		
12-12	6.77	0.03		
12-13	6.82	0.05		
12-16	6.97	0.15		
12-17	7.02	0.05		
12-18	7.08	0.06		
12-19	7.14	0.06		
12-20	7.17	0.03		
12-23	7.34	0.17		
12-26	7.45	0.11		
12-30	7.66	0.21		
1-2-58	7.82	0.16		
1-6	8.02	0.20		
1-9	8.16	0.14		
1-13	8.36	0.20		
1-16	8.55	0.19		
1-20	8.66	0.11		
1-23	8.85	0.19		
1-27	9.06	0.21		
1-30	[illegible]	0.21		
2-3	9.44	0.17		
2-6	9.65	0.21		
2-10	9.88	0.23		
2-13	10.08	0.20		

CONT TO pg 109

RETURN TO
LOS ANGELES COUNTY SURVEYOR
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 [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes CHS Date 10-22-57
Date	Indexed C. J. GALLI JUL 1 6 [illegible]

F. B. 954 Pg. 65

COMPARISON SHEET

"B"

Cont. from F.B. 949-236

DATE	SHEAR TOTAL	PERIOD	TOTAL DAYS	DAILY AVER. SHEAR
10-28	5.14	0.13	96	
10-29	5.25	0.11	97	
10-30	5.31	0.06	98	
10-31	5.36	0.05	99	
11-1	5.37	0.01	100	
11-4	5.59	0.22	103	
11-5	5.62	0.03	104	
11-6	5.66	0.04	105	
11-7	5.73	0.07	106	
11-8	5.80	0.07	107	
11-12	5.99	0.19	111	
11-13	6.06	0.07	112	
11-14	6.09	0.03	113	
11-15	6.19	0.15	114	
11-18	6.28	0.09	117	
11-19	6.33	0.05	118	
11-20	6.38	0.05	119	
11-21	6.42	0.04	120	
11-22	6.47	0.05	121	
11-25	6.64	0.17	124	
11-26	6.70	0.06	125	
11-27	6.75	0.05	126	
11-29	6.84	0.09	128	
12-2	7.00	0.16	131	
12-3	7.04	0.04	132	
12-4	7.08	0.04	133	
12-5	7.14	0.06		
12-6	7.21	0.07		

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

76F309S S&E #247. 8-54

F. B. 950 PG. 66 "K B"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AVER SHEAR
12-9	7.35	0.14		
12-10	7.41	0.06		
12-11	7.50	0.09		
12-12	7.57	0.07		
12-13	7.62	0.05		
12-16	7.74	0.12		
12-17	7.79	0.05		
12-18	7.90	0.11		
12-19	7.93	0.03		
12-20	7.99	0.06		
12-23	8.18	0.19		
12-26	8.30	0.12		
12-30	8.53	0.23		
1-2-58	8.71	0.18		
1-6	8.92	0.21		
1-9	9.08	0.16		
1-13	9.21	0.13		
1-16	9.42	0.21		
1-20	9.60	0.18		
1-23	9.85	0.25		
1-27	10.10	0.25		
[illegible]	10.28	0.18		
2-3	10.52	0.24		
2-6	10.75	0.23		
2-10	10.99	0.24		
2-13	11.20	0.21		

CONT. TO PG. 114

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ENGINEERING BLDG.
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Notes Ck'd by	Survey of PORT BENI[illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by ENGLISH
Checked	Notes C.H.G. Date 10-57
Date	Indexed C. J. GALLI JUL 1-6 '82

F. B. 9[illegible] PG. 67

COMPARISON SHEET
"KBC"
Con't. from F.B. 949-[illegible]

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AVER. SHEAR
10-28	6.02	0.17	96	
10-29-57	6.08	0.06	97	
10-30	6.14	0.06	98	
10-31	6.22	0.08	99	
11-1	[illegible]	0.06	100	
11-4	6.48	0.24	103	
11-5	6.52	0.04	104	
11-6	6.55	0.03	105	
11-7	6.63	0.08	106	
11-8	6.71	0.08	107	
11-12	6.94	0.23	111	
11-13	7.00	0.06	112	
11-14	7.06	0.06	113	
11-15	7.19	0.13	114	
11-18	7.31	0.12	117	
11-19	7.36	0.05	118	
11-20	7.39	0.03	119	
11-21	7.45	0.06	120	
11-22	7.52	0.07	121	
11-25	7.72	0.20	124	
11-26	7.77	0.05	125	
11-27	7.84	0.07	126	
11-29	7.94	0.10	128	
12-2	8.15	0.21	131	
12-3	8.18	0.03	132	
12-4	8.22	0.04	133	
12-5	8.30	0.08		
12-6	8.40	0.10		
12-9	8.54	0.14		

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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 950 PG. 68 "KBC" No mark

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AVER. SHEAR
12-10	8.65	0.11		
12-11	8.73	0.08		
12-12	8.79	0.06		
12-13	8.87	0.08		
12-16	9.00	0.13		
12-17	9.10	0.10		
12-18	9.20	0.10		
12-19	9.23	0.03		
12-20	9.33	0.13		
	ON 16	Mon. destroyed & offset		
	Stake	destroyed. 12-20-57 [illegible]		

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

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Notes Ck'd by	Survey of FORT BENDLANDS
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by ENGLISH
Checked	Notes C.H.G. Date 10-57
Date	Indexed C. J. GALLI JUL 1 6 '63

F. B. 950 PG. 69

COMPARISON SHEET

"KC"

Cont. from F.B. 949-240

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AVER. SHEAR
10-28-57	5.92	0.17	96	
10-29	6.00	0.08	97	
10-30	6.07	0.07	98	
10-31	6.13	0.06	99	
11-1	6.18	0.05	100	
11-4	6.36	0.18	103	
11-5	6.44	0.08	104	
11-6	6.47	0.03	105	
11-7	6.54	0.07	106	
11-8	6.61	0.07	107	
11-12	6.86	0.25	111	
11-13	6.93	0.07	112	
11-14	6.98	0.05	113	
11-15	7.06	0.08	114	
11-18	7.21	0.15	117	
11-19	7.27	0.06	118	
11-20	7.33	0.06	119	
11-21	7.41	0.08	120	
11-22	7.46	0.05	121	
11-25	7.60	0.14	124	
11-26	7.70	0.10	125	
11-27	7.72	0.02	126	
11-29	7.85	0.13	128	
12-2	8.05	0.20	131	
12-3	8.09	0.04	132	
12-4	8.18	0.09	133	
12-5	8.20	0.02		
12-6	8.25	0.05		
12-9	8.44	0.19		

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

76F309S S&E #247. 8-54

F. B. 950 Pg. 70

"KC"

DATE	SHEAR TOTAL	SHEAR PER 100	TOTAL DAYS	DAILY AVER SHEAR
12-10	8.49	0.05		
12-11	8.56	0.07		
12-12	8.63	0.07		
12-13	8.68	0.05		
12-16	8.88	0.20		
12-17	8.97	0.09		
12-18	9.01	0.04		
12-19	9.05	0.04		
12-20	9.12	0.07		
12-23	9.32	0.20		
12-26	9.51	0.19		
12-30	9.76	0.25		
1-2-55	9.92	0.16		
1-6	10.21	0.29		
1-9	10.38	0.17		
1-13	10.63	0.25		
1-16	10.76	0.13		
1-20	10.93	0.17		
1-23	11.26	0.33		
[illegible]	11.50	0.24		
[illegible]	11.71	0.21		
2-3	11.99	0.28		
2-6	12.22	0.23		
2-10	12.52	0.30		
2-13	12.74	0.22		

CONT. TO pg. 113

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
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Notes Ck'd by	Survey of PORTUGUESE BEND LANDSLIDE	F. B. 240 Pg. 71
Map No.	W. O. 0021.64 Tape No. St'd. °F	Con't. from F.B. 249-242
Office Work	Surveyed by ENGLISH	
Checked	Notes T.C.P. Date 10-57	
Date	Indexed E. J. GALLI JUL 16 '63	

COMPARISON SHEET
"K D"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AV. SHEAR
10-28	5.65	0.16	96	
10-29	5.73	0.08	97	
10-30	5.81	0.08	98	
10-31	5.87	0.06	99	
11-1	5.91	0.04	100	
11-4	~~6.18~~ 6.08	~~0.27~~ 0.17	103	
11-5	6.14	~~0.04~~ 0.06	104	
11-6	6.18	0.04	105	
11-7	6.24	0.06	106	
11-8	6.31	0.07	107	
11-12	6.55	0.24	111	
11-13	6.62	0.07	112	
11-14	6.65	0.03	113	
11-15	6.71	0.06	114	
11-18	6.87	0.16	117	
11-19	6.92	0.05	118	
11-20	6.98	0.06	119	
11-21	7.03	0.05	120	
11-22	7.11	0.08	121	
11-25	7.33	0.22	124	
11-26	7.33	0.00	125	
11-27	7.35	0.02	126	
11-29	7.50	0.15	128	
12-2	7.70	0.20	131	
12-3	7.74	0.04	132	
12-4	7.83	0.09	133	
12-5	7.86	0.03		
12-6	7.92	0.06		
12-9	8.02	0.10		
12-10	8.07	0.05		

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

76F3095 S&E #247. 8-54

F.B. 950 Pg. 72

"KD"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AV. SHEAR
12-11	8.14	0.07		
12-12	8.20	0.06		
12-13	8.28	0.08		
12-16	8.43	0.15		
12-17	8.54	0.11		
12-18	8.55	0.01		
12-19	8.62	0.07		
12-20	8.66	0.04		
12-23	8.86	0.20		
12-26	9.03	0.17		
12-30	9.26	0.23		
1-2-55	9.42	0.16		
1-6	9.67	0.25		
1-9	9.85	0.18		
1-13	9.94	0.09		
1-16	10.16	0.22		
1-20	10.36	0.20		
1-23	10.63	0.27		
1-26	10.80	0.17		
1-30	11.05	0.19		
2-3	11.35	0.27		
2-8	11.54	[illegible]		
2-10	11.81	0.27		
2-13	12.05	0.24		

Cont. to pg. 115

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
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Notes Ck'd by	Survey of PORTUGUESE BEND LANDSLIDE
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by ENGLISH
Checked	Notes T.C.P. Date 10-57
Date	Indexed C. J. GALLI JUL 1 6 '58

F.B. 958 PG. 73

Con't. from F.B. 949-2[illegible]

COMPARISON SHEET
"KAB"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AV. SHEAR
10-28-57	4.87	0.11	96	
10-29	4.96	0.09	97	
10-30	5.01	0.05	98	
10-31	5.07	0.06	99	
11-1	[illegible]	0.02	100	
11-4	5.29	0.20	103	
11-5	5.31	0.02	104	
11-6	5.37	0.06	105	
11-7	5.42	0.05	106	
11-8	5.48	0.06	107	
11-12	5.68	0.20	111	
11-13	5.73	0.05	112	
11-14	5.77	0.04	113	
11-15	5.82	0.09	114	
11-18	5.94	0.08	117	
11-19	6.01	0.07	118	
11-20	6.03	0.02	119	
11-21	6.10	0.07	120	
11-22	6.14	0.04	121	
11-25	6.30	0.16	124	
11-26	6.33	0.03	125	
11-27	6.40	0.07	126	
11-29	6.47	0.07	128	
12-2	6.64	0.17	131	
12-3	6.66	0.02	132	
12-4	6.71	0.05		
12-5	6.79	0.08		
12-6	6.84	0.05		
12-9	6.97	0.13		
12-10	7.02	0.05		
12-11	7.11	0.09		

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

76F309S S&E #247. 8-54

F.B. 950 PG. 74 "KAB"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AV. SHEAR
12-12	7.16	0.05		
12-13	7.24	0.08		
12-16	7.32	0.13		
12-17	7.41	0.09		
12-18	7.48	0.07		
12-19	7.55	0.07		
12-20	7.59	0.04		
12-23	7.77	0.18		
12-26	7.88	0.11		
12-30	8.18	0.32		
1-2-55	8.27	0.17		
1-6	8.48	0.21		
1-9	8.62	0.14		
1-13	8.83	0.20		
1-16	8.97	0.14		
1-20	9.15	0.18		
1-23	9.35	0.20		
[illegible]	[illegible]	[illegible]		
1-30	9.44	0.09		
2-3	9.98	0.24		
2-6	10.20	0.21		
2-10	10.44	0.24		
2-13	10.64	0.20		

CONT. ON pg. 117

RETURN TO
LOS ANGELES COUNTY SURVEYOR
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 [illegible]
Map No.	W. O. 082164 Tape No. St'd. °F
Office Work	Surveyed by ENGINEER
Checked	Notes T.C.P. Date 10-57
Date	Indexed ~~C. J. GALLI~~ ~~JUL 16 '63~~

F. B. 990 Pg. 75

Cont. from F.B. 997-996

COMPARISON SHEET
"KDE"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AV. SHEAR
10-28-57	4.64	0.18	92	
10-29	4.68	0.04	93	
10-30	4.74	0.06	94	
10-31	4.80	0.06	95	
11-1	4.85	0.05	96	
11-4	5.01	0.16	99	
11-5	5.07	0.06	100	
11-6	5.11	0.04	101	
11-7	5.18	0.07	102	
11-8	5.21	0.03	103	
11-12	5.45	0.24	107	
11-13	5.50	0.05	108	
11-14	5.55	0.05	109	
11-15	5.60	0.05	110	
11-18	5.74	0.14	113	
11-19	5.81	0.07	114	
11-20	5.86	0.05	115	
11-21	5.90	0.04	116	
11-22	5.97	0.07	117	
11-25	6.12	0.15	120	
11-26	6.19	0.07	121	
11-27	6.22	0.03	122	
11-29	6.30	0.08	124	
12-2	6.43	0.15	127	
12-3	6.53	0.10	128	
12-4	6.58	0.05	129	
12-5	6.62	0.04		
12-6	6.45	0.02		
12-9	6.61	0.16		
12-10	6.67	0.06		

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LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3095 S&E #247 8-54

F. B. 950 PG. 76

"KDE"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AV. SHEAR
12-11	6.73	0.06		
12-12	6.78	0.05		
12-13	6.85	0.07		
12-16	7.00	0.15		
12-17	[illegible]	0.06		
12-18	[illegible]	0.06		
12-19	7.18	0.06		
12-20	7.25	0.07		
12-23	7.42	0.17		
12-26	7.57	0.15		
[illegible]	[illegible]	[illegible]		

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Notes Ck'd by	Survey of PORTA ESP SHAFT LAKE SHORE
Map No.	W. O. 2021.64 Tape No. St'd. °F
Office Work	Surveyed by ENGLISH
Checked	Notes T.C.P. Date 10-57
Date	Indexed E. J. GAILL #1 6 63

F. B. 954 Pg. 71

Con't. from F.B. 949-949

COMPARISON SHEET
"K E"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AV. SHEAR
10-28-57	4.79	0.18	92	
10-29	4.84	0.05	93	
10-30	4.89	0.05	94	
10-31	4.94	0.05	95	
11-1	[illegible]	0.08	96	
11-4	5.17	0.15	99	
11-5	5.22	0.05	100	
11-6	5.27	0.05	101	
11-7	5.33	0.06	102	
11-8	5.38	0.05	103	
11-12	5.59	0.21	107	
11-13	5.65	0.06	108	
11-14	5.69	0.04	109	
11-15	5.76	0.07	110	
11-18	5.91	0.15	113	
11-19	5.97	0.06	114	
11-20	6.03	0.06	115	
11-21	6.07	0.04	116	
11-22	6.15	0.08	117	
11-25	6.29	0.14	120	
11-26	6.34	0.05	121	
11-27	6.38	0.04	122	
11-29	6.50	0.12	125	
12-2	6.[illegible]	0.[illegible]	128	
12-3	6.69	0.04	129	
12-4	6.74	0.05	130	
12-5	6.77	0.03		
12-6	6.71	0.06		
12-9	6.86	0.15		
12-10	6.94	0.08		
12-11	6.98	0.04		

+2.2

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

76F3095 S&E #247. 8-54

F.B. 950 Pg. 78

"KE"

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS	DAILY AV. SHEAR
12-12	7.02	0.04		
12-13	7.11	0.09		
12-16	7.27	0.16		
12-17	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]		
12-19	7.44	0.04		
12-20	7.52	0.08		
12-23	7.68	0.16		
12-26	7.88	0.20		
12-30	[illegible]	0.23		
1-2-57	8.25	0.14		
1-6	8.52	0.27		
1-9	8.67	0.15		
1-13	8.92	0.25		
1-16	9.01	0.09		
1-20	9.31	0.30		
1-23	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]		
2-3	10.24	0.27		
2-6	10.54	0.30		
2-10	[illegible]	0.32		
2-13	11.09	0.23		

Cont. [illegible] pg. 119

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

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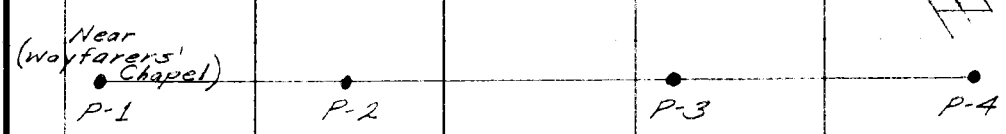
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0021-64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 10-57
Date	Indexed C. J. GALIN JUL 16 '63

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

"P" LINE

Con't. from F.B. 949-194



Date	Total Offset	
10-31	No Change	
11-8	"	"
11-15	"	"
11-20	"	"
11-27	"	"
12-3	"	"
12-10	"	"
12-16	"	"
1-2-58	"	"
2-3-58	"	"
3-3-58	"	"

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

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

76F309S S&E #247. 8-54

F. B. 950 PG. 80

"Q" LINE

Con't. from F.B. 949-200

Q-1 Q-2 Q-3 Q-4 (Harden Property) near Top of hill

Date	Total Offset	
10-31	No	Change
11-8	"	"
11-15	"	"
11-20	"	"
11-26	"	"
12-3	"	"
12-10	"	"
12-18	"	"
1-2-58	"	"
2-3-[illegible]	"	"

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

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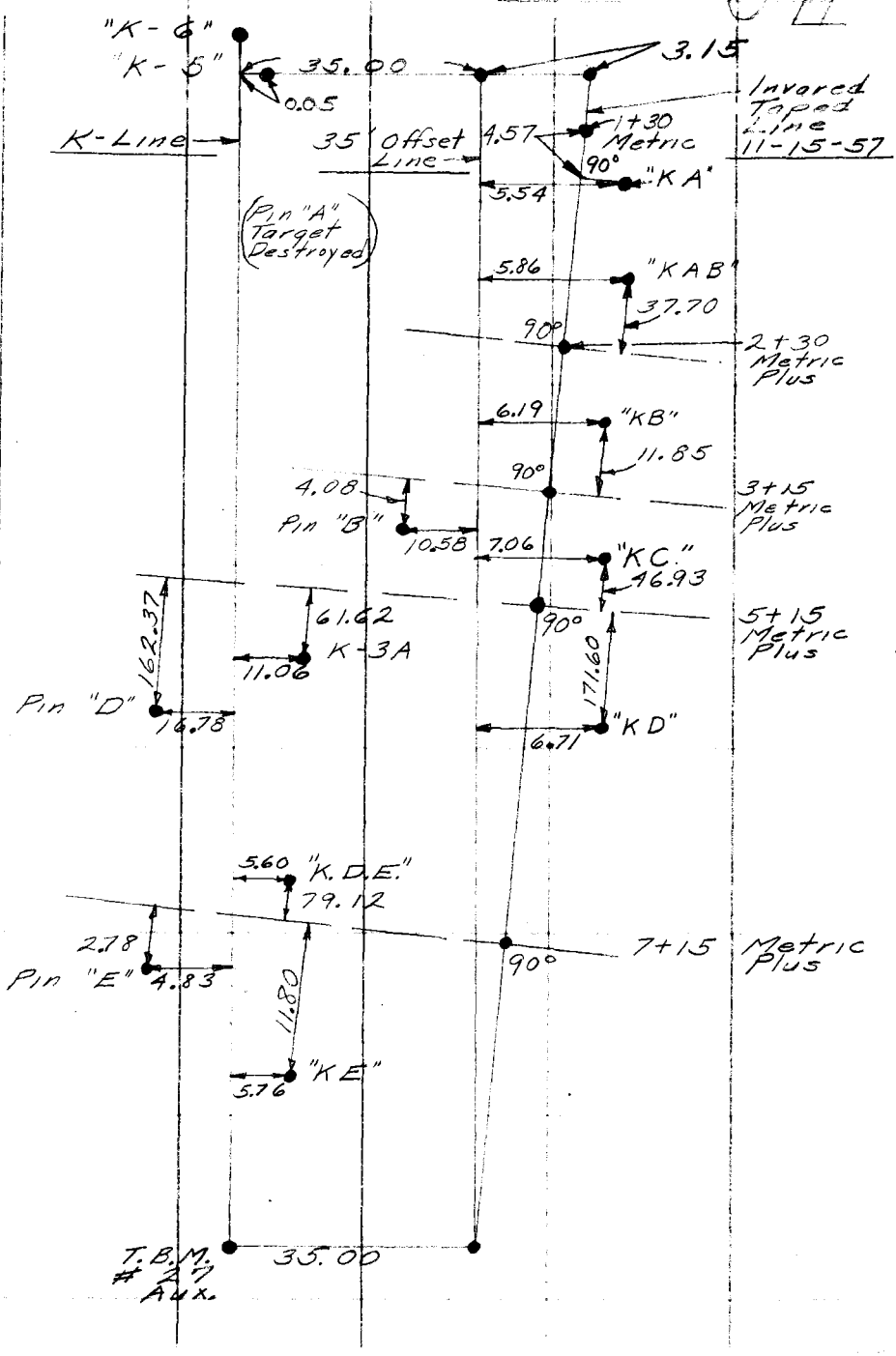
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Port. Bend Landslide
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes English Date 11-15-57
Date	Indexed A. C. Johnson 11-19-57

F. B. 950 PG. 81



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. 950 PG. 82

RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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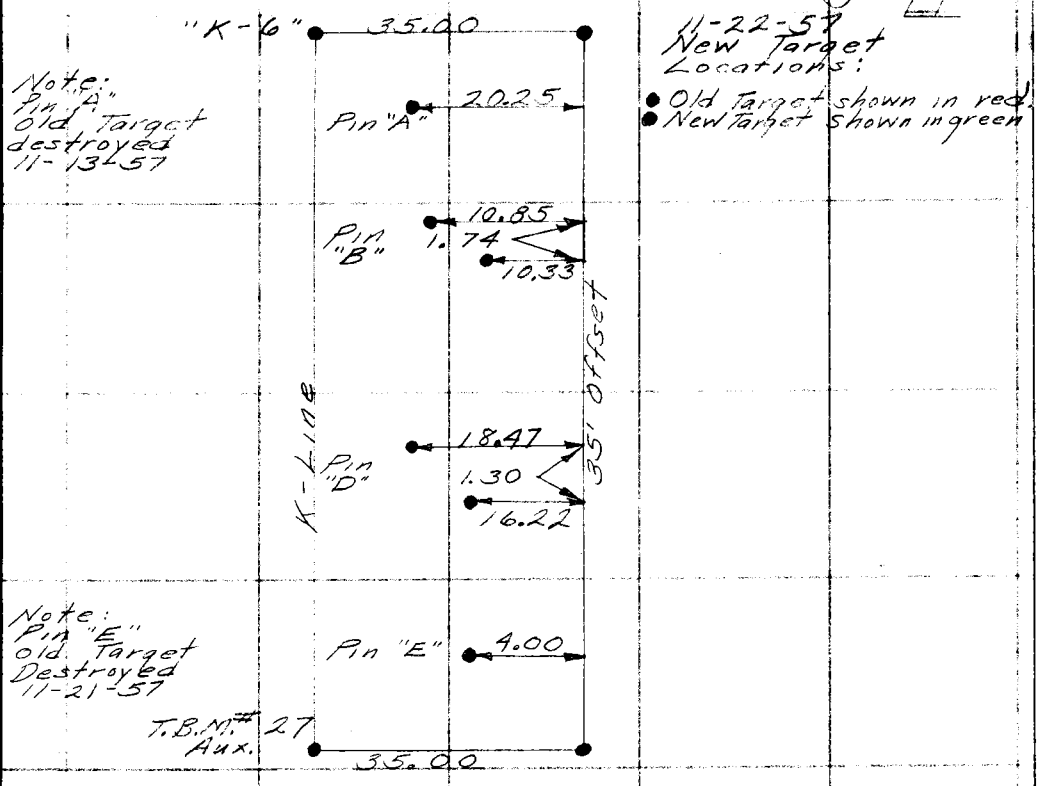
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of Portuguese Bend Landslide
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by English
Checked	Notes Ed. Date 11-22-57
Date	Indexed A. O. Johnson 11-25-57

F. B. 950 PG. 83



Distance Between Tilt Points:
11-22-57

Pin "A"	Pin "B"	Pin "D"	Pin "E"
N.&S. = 1.40	N.&S. = 2.35	N.&S. = 1.85	N.&S. = 1.80
E.&W. —	E.&W. = 2.85	E.&W. —	E.&W. —

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F. B. 950 PG. 84

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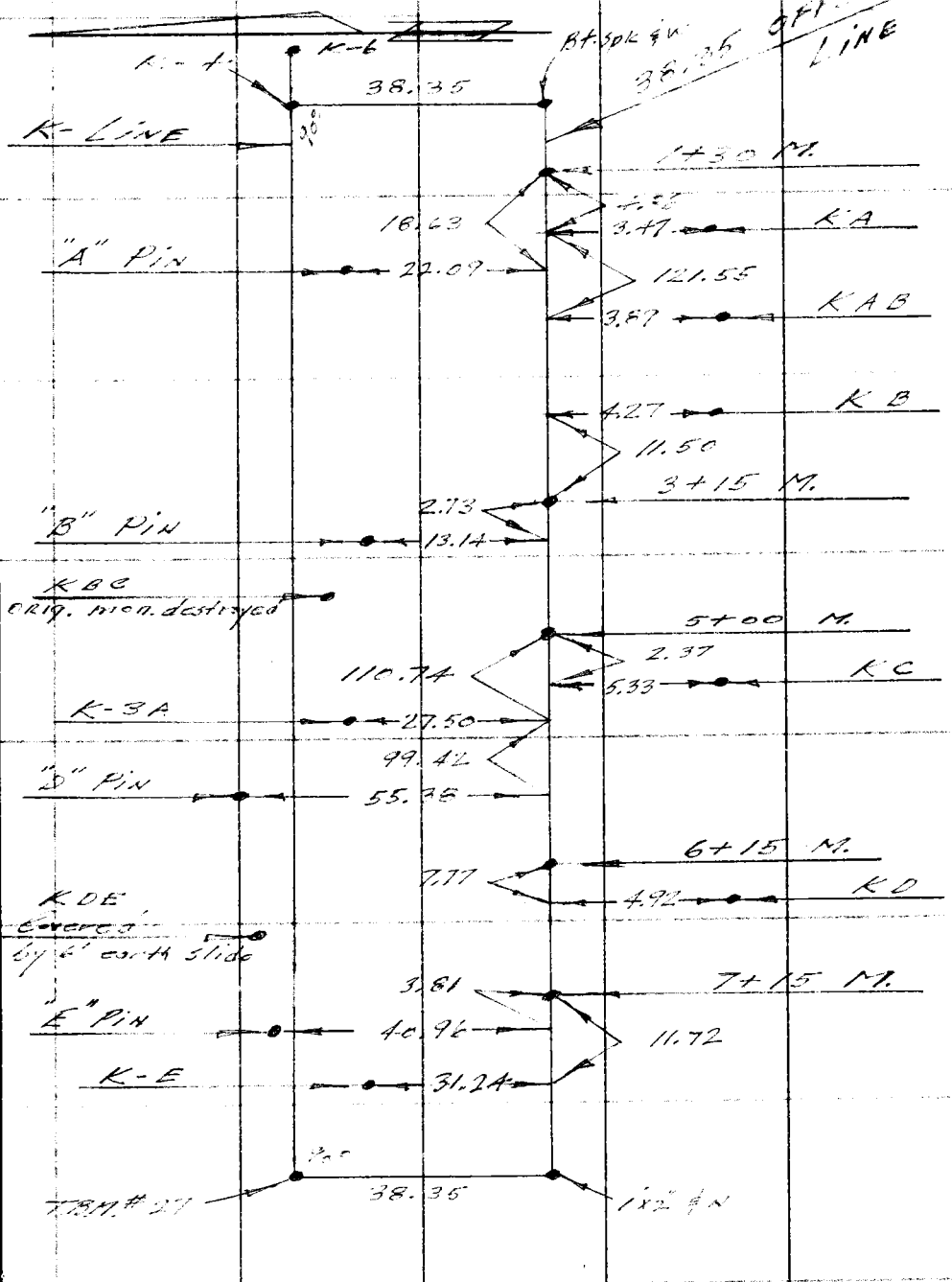
Portuguese Bend

F. B. 95A PG. 55

Notes Ck'd by J. F. McMILLAN	Survey of [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by LIND
Checked	Notes LIND Date 12-13-57
Date	Indexed A. C. Johnson 12-17-57



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

76F309S S&E #247. 8-54

F. B. 950 Pg. 86

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

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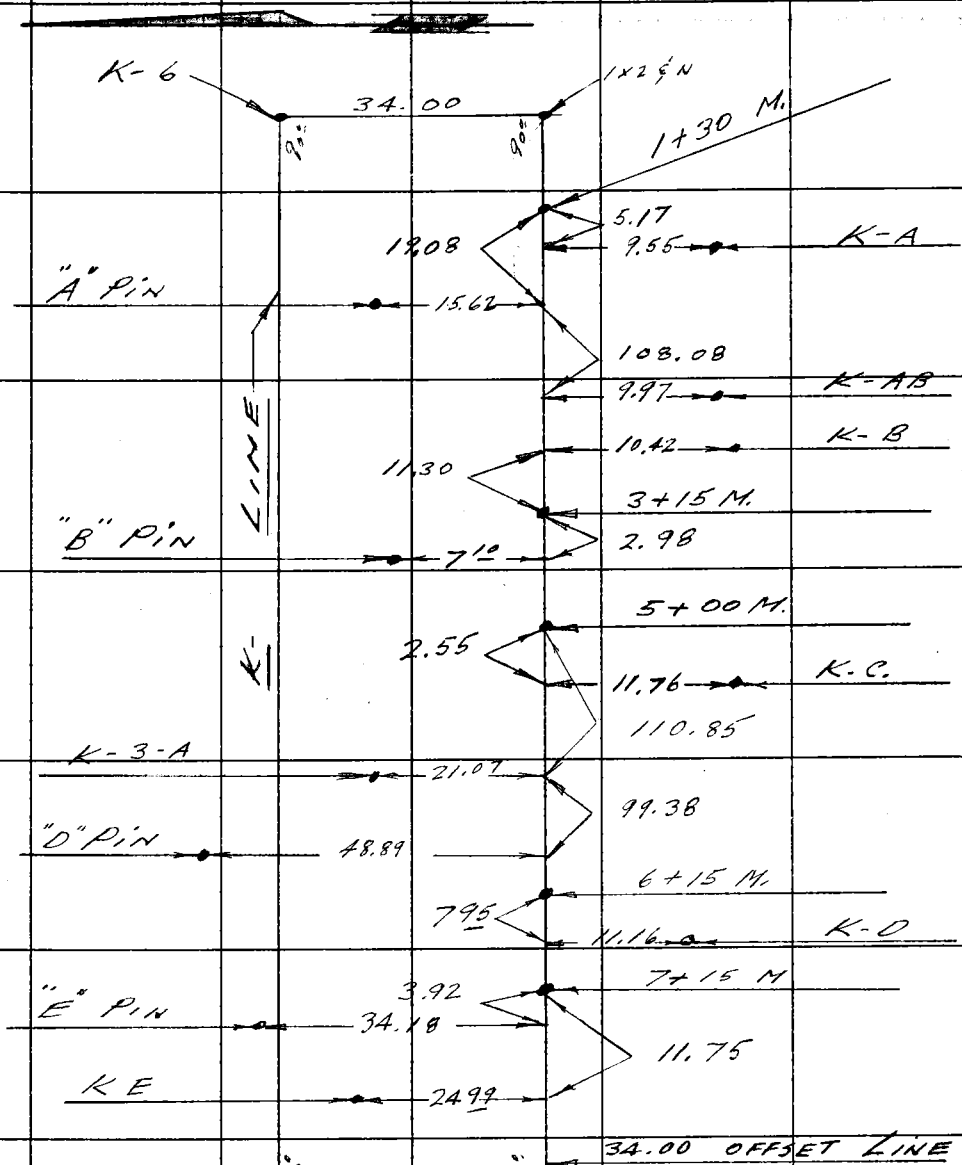
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by J. F. McMILLAN	Survey of K.B. LANDSLIDE
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by LINE
Checked	Notes LINE Date 1-14-58
Date	Indexed C. Johnson 1-20-58

F. B. 450 PG. 87



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

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

76F309S CE #247—3-57

F. B. 950 PG. 88

RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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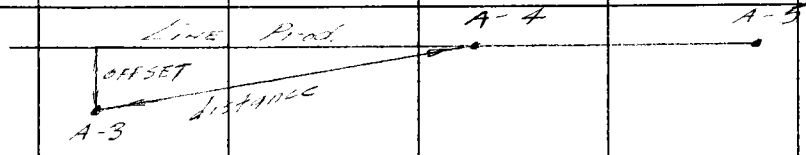
Notes Ck'd by	Survey of R.B. Landslide
Map No.	JN 002164 Tape Std °F
Office Work	Surveyed by Lino
Checked	Notes Lino Date 1-58
Date	Indexed C. J. GALLI JUL 1 6 58

F. B. 950 Pg. 89

COMPARISON SHEET
"A" LINE A-3 To A-4
Cont: From pg. 40



Date	total offset	distance A-3 to A-4	total spread	Period Line	Period spread
2-17-58	32.93	249.77	+0.16	0.21	+0.01
2-20	33.11	249.77	+0.16	0.18	0.00
2-24	33.33	249.78	+0.17	0.22	+0.01
2-27	33.45	249.79	+0.18	0.12	+0.01
3-3	33.71	249.79	+0.18	0.26	0.00
3-6	33.93	249.81	+0.20	0.22	+0.02
3-10	34.12	249.81	+0.20	0.19	0.00
3-13	34.31	249.82	+0.21	0.19	+0.01
3-17	34.56	249.85	+0.24	0.25	+0.03
3-20	INCLEMENT WEATHER				
3-24	35.02	249.85	+0.24	0.46	0.00
3-28	35.29	249.90	+0.29	0.27	+0.05
3-31	35.61	249.92	+0.31	0.32	+0.02
4-3	35.81	249.94	+0.33	0.20	+0.02
4-7	36.06	249.96	+0.35	0.25	+0.02
4-10	36.34	249.98	+0.37	0.28	+0.02
4-14	36.65	249.99	+0.38	0.31	+0.01
4-17	36.89	49.99	+0.38	0.24	0.00
4-21	37.19	249.99	+0.38	0.30	0.00
4-24	37.36	249.99	+0.38	0.17	0.00
4-28	37.57	250.00	+0.39	0.21	+0.01
5-1	37.78	250.04	+0.43	0.21	+0.04
5-5	37.92	250.04	+0.43	0.14	0.00

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

76F309S CE #247—3-57

F. B. 950 PG. 90

A-3 TO A-4

DATE	total OFFSET	Distance A3 to A4	total Spread	Period LINE	Period Spread
5-8-58	38.19	250.06	+0.45	0.27	+0.02
5-12	38.37	250.06	+0.45	0.18	0.00
5-15	38.57	250.08	+0.47	0.20	+0.02
5-19	38.73	250.11	+0.50	0.16	+0.03
5-22	39.03	250.11	+0.50	0.30	0.00
5-26	39.15	250.12	+0.51	0.12	+0.01
5-29	39.24	250.13	+0.52	0.09	+0.01
6-5	39.60	250.16	+0.55	0.36	+0.03
6-9	39.83	250.19	+0.58	0.23	+0.03
6-12	39.96	250.19	+0.58	0.13	+0.00
6-16	40.20	250.19	+0.58	0.24	+0.00
6-19	40.36	250.22	+0.61	0.16	+0.03
6-22	40.56	250.26	+0.65	0.20	+0.04
6-26	40.71	250.27	+0.66	0.15	+0.01
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7-2	41.03	250.30	+0.69	0.10	+0.01
7-7	41.26	250.28	+0.67	0.23	-0.02
7-9	41.36	250.30	+0.69	0.10	+0.02
7-14	41.56	250.32	+0.71	0.20	+0.02
7-17	41.70	250.34	+0.73	0.14	+0.02
7-21	41.96	250.37	+0.76	0.26	+0.03
7-28	42.31	250.42	+0.81	0.35	+0.05
8-4	42.59	250.42	+0.81	0.28	0.00
8-11	42.93	250.47	+0.86	0.34	+0.05
8-18	43.28	250.51	+0.90	0.35	+0.04
8-25	43.60	250.53	+0.92	0.32	+0.02
9-2	43.93	250.56	+0.95	0.33	+0.03
9-16	44.59	250.59	+0.98	0.66	+0.03
9-22	44.93	250.67	+1.06	0.34	+0.08
9-29	45.18	250.67	+1.06	0.25	0.00
10-6	45.44	250.70	+1.09	0.26	+0.03
10-14	45.85	250.71	+1.10	0.41	+0.01
10-20	46.20	250.73	+1.12	0.35	+0.02
10-27	46.44	250.81	+1.20	0.24	+0.08
11-3	46.72	250.83	+1.22	0.28	+0.02
11-10	46.98	250.88	+1.27	0.26	+0.05

CONT. TO TOP PG. 179

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

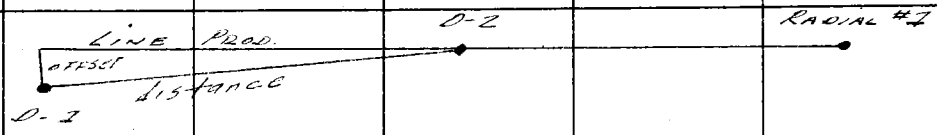
Notes Ck'd by	Survey of Landslide
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by Line
Checked	Notes Line Date 2-58
Date	Indexed C. J. GALLI JUL 1 6 '63

F. B. 950 PG. 91

COMPARISON SHEET

"D" Line (D1 to D-2)

Cont. From pg. 42



Date	Total Offset	Distance D-1 to D-2	Total Spread	Period Line	Period Spread
2-17-58	2.04	216.43	+30.30	0.03	+0.20
2-20	2.06	216.58	+30.45	0.02	+0.15
2-24	2.07	216.80	+30.67	0.01	+0.22
2-27	2.07	216.96	+30.83	0.00	+0.16
3-3	2.10	217.16	+31.03	0.03	+0.20
3-6	2.11	217.37	+31.24	0.01	+0.21
3-10	2.11	217.57	+31.44	0.00	+0.20
3-13	2.12	217.77	+31.64	0.01	+0.20
3-17	2.16	218.01	+31.88	0.04	+0.24
3-20	INCLEMENT WEATHER				
3-24					
3-28	2.20	218.65	+32.52	0.04	+0.64
3-31	2.24	218.86	+32.73	0.04	+0.21
4-3	2.26	218.95	+32.82	0.02	+0.09
4-7					
4-10	2.28	219.31	+33.24	0.42	+0.02
4-14	2.29	219.52	+33.39	0.01	+0.15
4-17	2.30	219.85	+33.72	0.01	+0.33
4-21	2.31	220.11	+33.98	0.01	+0.26
4-24	2.32	220.29	+34.16	0.01	+0.18
4-28	2.37	220.53	+34.40	0.05	+0.24
5-1	2.39	220.74	+34.61	0.02	+0.21
5-5	2.40	220.95	+34.85	0.01	+0.24

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

Do not extend notes this side of this line.

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

76F3099 CE #247—3-57

F. B. 950 Pg. 92

D-1 to D-2

DATE	total OFFSET	distance D-2 to D-2	total spread	Period LINE	Period spread
5-8-58	2.46	221.11	+34.98	0.06	+0.13
5-12	2.49	221.24	+35.11	0.03	+0.13
5-15	2.49	221.32	+35.19	0.00	+0.08
5-19	2.49	221.42	+35.29	0.00	+0.10
5-22	2.49	221.67	+35.54	0.00	+0.25
5-26	2.49	222.03	+35.90	0.00	+0.36
5-29	2.49	222.27	+36.14	0.00	+0.24
6-5	2.49	222.57	+36.44	0.00	+0.30
6-9	2.51	222.77	+36.64	0.02	+0.20
6-12	2.53	222.92	+36.79	0.02	+0.15
6-16	2.54	223.08	+36.95	0.01	+0.16
6-19	2.55	223.29	+37.16	0.01	+0.21
6-23	2.56	223.41	+37.28	0.01	+0.12
6-26	2.61	223.57	+37.44	0.05	+0.03
6-30	[illegible]	[illegible]	+37.54	[illegible]	[illegible]
7-2	2.64	223.87	+37.74	0.01	+0.10
7-7	2.66	224.04	+37.91	0.02	+0.17
7-9	2.67	224.14	+38.01	0.01	+0.10
7-14	2.73	224.19	+38.06	0.06	+0.05
7-17	2.75	224.33	+38.20	0.02	+0.14
7-21	2.83	224.57	+38.24	0.08	+0.04

NO MORE MEAS. AFTER THIS DATE DUE TO D-2 IS NO LONGER A FIXED POINT

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.

PORTUGUESE BEND

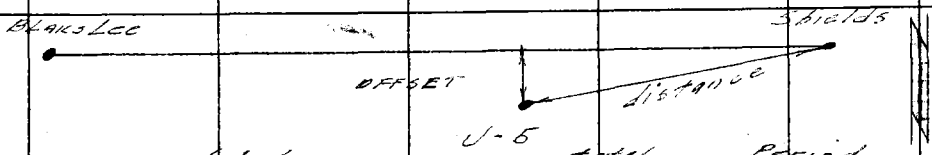
Notes Ck'd by	Survey of LANDSLIDE
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by LINO
Checked	Notes LINO Date 2-58
Date	Indexed E. J. GAIT 11 6 63

F. B. 950 PG. 93

COMPARISON SHEET

U-LINE (U-5 TO: SHIELDS)

Cont. from F.B. 950-50



date	total offset	distance	total spread	Period Line	spread
2-17	25.32	269.36	+10.96	0.15	+0.08
2-20	25.43	269.39	+10.99	0.11	+0.03
2-24	25.64	269.51	+11.11	0.21	+0.12
2-27	25.74	269.57	+11.17	0.10	+0.06
3-3	25.95	269.69	+11.29	0.21	+0.12
3-6	26.09	269.77	+11.37	0.14	+0.08
3-10	26.24	269.81	+11.41	0.15	+0.04
3-13	26.36	269.93	+11.53	0.12	+0.12
3-17	26.57	269.95	+11.55	0.21	+0.02
3-20	INCLEMENT WEATHER				
3-24	26.92	270.14	+11.74	0.35	+0.19
3-28	27.12	270.24	+11.84	0.20	+0.10
3-31	27.26	270.33	+11.93	0.14	+0.09
4-3	27.39	270.37	+11.97	0.13	+0.04
4-7	27.64	270.48	+12.08	0.25	+0.11
4-10	27.80	270.54	+12.14	0.16	+0.06
4-14	28.01	270.66	+12.26	0.21	+0.12
4-17	28.18	270.74	+12.34	0.17	+0.08
4-21	28.39	270.81	+12.41	0.21	+0.07
4-24	28.55	270.90	+12.50	0.16	+0.09
4-28	28.68	271.02	+12.62	0.13	+0.12
5-1	28.80	271.08	+12.68	0.12	+0.06
5-5	29.00	271.19	+12.79	0.20	+0.11

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

F. B. 950 PG. 94

J-5 TO SHIELDS

Date	Total Offset	Distance	Total Spread	Period Line	Period Spread
5-8-58	29.12	271.32	+12.92	0.12	+0.13
5-12	29.29	271.38	+12.98	0.17	+0.06
5-15	29.44	271.41	+13.01	0.15	+0.03
5-19	29.61	271.53	+13.13	0.17	+0.12
5-22	29.72	271.55	+13.15	0.11	+0.02
5-26	29.89	271.64	+13.24	0.17	+0.09
5-29	30.02	271.72	+13.32	0.13	+0.08
6-5	30.31	271.88	+13.48	0.29	+0.16
6-9	30.46	271.91	+13.51	0.15	+0.03
6-12	30.66	272.01	+13.61	0.20	+0.10
6-16	30.79	272.10	+13.70	0.13	+0.09
6-19	30.88	272.16	+13.76	0.06	+0.09
6-23	30.99	272.22	+13.82	0.12	+0.06
6-26	31.14	272.30	+13.90	0.14	+0.08
6-30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7-2	31.38	272.42	+14.02	0.08	+0.04
7-7	31.53	272.50	+14.10	0.15	+0.08
7-9	31.61	272.54	+14.14	0.08	+0.04
7-14	31.77	272.58	+14.18	0.16	+0.04
7-17	31.88	272.63	+14.23	0.11	+0.05
7-21	32.07	272.76	+14.36	0.19	+0.13
7-28	32.35	272.90	+14.50	0.28	+0.14
8-4	32.57	273.00	+14.60	0.22	+0.10
8-11	32.81	273.17	+14.77	0.24	+0.17
8-18	33.06	273.32	+14.92	0.25	+0.15
8-25	33.30	273.41	+15.01	0.24	+0.09
9-2	33.55	273.53	+15.13	0.25	+0.12
9-16	34.05	273.80	+15.40	0.50	+0.27
9-22	34.25	273.89	+15.49	0.20	+0.09
9-29	34.50	273.99	+15.59	0.25	+0.10
10-6	34.72	274.14	+15.74	0.22	+0.15
10-14	35.00	274.25	+15.85	0.28	+0.11
10-20	35.25	274.35	+15.95	0.25	+0.10
10-27	35.42	274.49	+16.09	0.17	+0.14
11-3	35.64	274.61	+16.21	0.22	+0.12
11-10	35.84	274.72	+16.32	0.20	+0.11

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.

PORTUGUESE

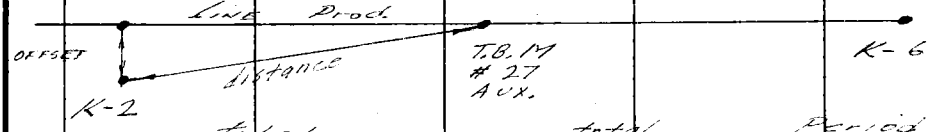
Notes Ck'd by	Survey of BEND LANDSLIDE
Map No.	JN 1021.64 Tape Std °F
Office Work	Surveyed by [illegible]
Checked	Notes Line Date 2-58
Date	Indexed [illegible] J. GALLI JUL 16 '63

F. B. 950 PG. 95

COMPARISON SHEET

"K" LINE K2 TO: T.B.M # 27 AUX.

Cont. From pg. 52



date	total OFFSET	distance	total Spread	Period Line	Period Spread
2-17	[illegible]	[illegible]	[illegible]	[illegible] DOUBTFUL	
2-20					
2-24					
2-27					
3-3					
3-6					
3-10					
3-13					
3-17					
3-20	[illegible]	[illegible]			
3-24	21.52	83.71	+0.61	0.39	+0.20
3-28	21.82	83.79	+0.69	0.30	+0.08
3-31	22.00	83.80	+0.70	0.18	+0.01
4-3	22.26	83.82	+0.72	0.26	+0.02
4-7	22.53	83.84	+0.74	0.27	+0.02
4-10	22.80	83.87	+0.77	0.27	+0.03
4-14	23.11	83.91	+0.81	0.31	+0.04
4-17	23.46	83.95	+0.85	0.35	+0.04
4-21	23.77	83.99	+0.89	0.31	+0.04
4-24	24.02	84.05	+0.95	0.25	+0.06
4-28	24.28	84.07	+0.97	0.26	+0.02
5-1	24.53	84.10	+1.00	0.25	+0.03
5-5	24.80	84.16	+1.06	0.27	+0.06

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

F. B. 950 PG. 96

K-2 to T.B.M. # 27 Aux.

date	total OFFSET	[illegible] distance	total spread	Period Line	Period spread
5-8-58	25.01	84.18	+1.08	0.21	+0.02
5-12	25.31	84.22	+1.12	0.30	+0.04
5-15	25.52	84.29	+1.19	0.21	+0.07
5-19	25.81	84.32	+1.22	0.29	+0.03
5-22	25.99	84.36	+1.26	0.18	+0.04
5-26	26.31	84.41	+1.31	0.32	+0.05
5-29	26.53	84.45	+1.35	0.22	+0.04
6-5	27.06	84.55	+1.45	0.53	+0.10
6-9	27.38	84.58	+1.48	0.32	+0.03
6-12	27.57	84.63	+1.53	0.19	+0.05
6-16	27.83	84.67	+1.57	0.26	+0.04
6-19	28.00	84.72	+1.62	0.17	+0.05
6-23	28.38	84.80	+1.70	0.38	+0.08
6-26	28.59	84.84	+1.74	0.21	+0.04
6-30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7-2	29.04	84.91	+1.81	0.12	+0.07
7-7	29.42	85.00	+1.90	0.38	+0.09
7-9	29.59	85.04	+1.94	0.17	+0.04
7-14	29.93	85.10	+2.00	0.34	+0.06
7-17	30.15	85.16	+2.06	0.22	+0.06
7-21	30.46	85.25	+2.15	0.31	+0.09
7-28	31.05	85.37	+2.27	0.59	+0.12
8-4	31.62	85.53	+2.43	0.57	+0.16
8-11	32.20	85.57	+2.47	0.58	+0.04
8-18	32.77	85.88	+2.78	0.57	+0.31
8-25	33.30	86.02	+2.92	0.53	+0.14
9-2	33.92	86.21	+3.11	0.62	+0.19
9-16	34.61	86.46	+3.36	0.69	+0.25
9-22	35.53	86.73	+3.63	0.92	+0.27
9-29	36.12	(79.10)		0.59	
10-6	36.72			0.60	
10-14	37.37			0.65	
10-20	37.90			0.53	
10-27	38.45			0.55	
11-3	K-2 [illegible]				

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

Do not extend notes this side of this line.

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

PORT BEND

Notes Ck'd by	Survey of LANDSLIDE
Map No.	JN 7021.64 Tape Std °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed C. J. GALLI JUL 16 63

F. B. 950 PG. 91

COMPARISON SHEET
K-3A
CONT. FROM PG. 54

Date	TOTAL OFFSET	(-1.86)	Period LINE
2-17	17.11	15.25	0.30
2-20	17.38	15.54	0.27
2-24	17.77	15.91	0.39
2-27	18.05	16.23	0.32
3-3	18.38	16.56	0.33
3-6	18.68	16.86	0.30
3-10	18.97	17.15	0.29
3-13	19.14	17.32	0.17
3-17	19.58	17.76	0.44
3-20	19.86	18.06	0.30
3-24	20.29	18.43	0.37
3-28	20.68	18.82	0.39
3-31	20.94	19.08	0.26
4-3	21.26	19.40	0.32
4-7	21.67	19.81	0.41
4-10	22.00	20.14	0.33
4-14	22.47	20.61	0.47
4-17	22.78	20.92	0.31
4-21	23.17	21.31	0.39
4-24	23.52	21.66	0.35
4-28	23.88	22.02	0.36
5-1	24.19	22.33	0.31
5-5	24.52	22.66	0.33

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

Do not extend notes this side of this line.

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

76F309S CE #247 3-57

F. B. 950 PG. 98

K-3A

date	TOTAL OFFSET	(-1.86)	Period LINE	
5-8-58	25.19	23.33	0.67	
5-12	25.30	23.44	0.11	
5-15	25.45	23.59	0.15	
5-19	25.74	23.88	0.29	
5-22	26.00	24.14	0.26	
5-26	26.35	24.49	0.35	
5-29	26.65	24.79	0.30	
6-5	27.22	25.36	0.57	
6-9	27.54	25.68	0.32	
6-12	27.84	25.98	0.30	
6-16	28.14	26.28	0.30	
6-19	28.30	26.44	0.16	
6-23	28.67	26.81	0.37	
6-26	28.95	27.09	0.28	
6-30	29.17	27.31	[illegible]	
7-2	29.40	27.54	0.23	
7-7	29.79	27.93	0.39	
7-9	29.97	28.11	0.18	
7-14	30.34	28.48	0.37	
7-17	30.59	28.73	0.25	
7-21	30.88	29.02	0.29	
7-28	31.45	29.59	0.57	
8-4	31.95	30.09	0.50	
8-11	32.49	30.63	0.54	
8-18	33.02	31.16	0.53	
8-25	33.47	31.61	0.45	
9-2	34.12	32.26	0.65	
9-16	35.16	33.30	1.04	
9-22	35.65	33.77	0.49	
9-29	36.14	34.28	0.49	
10-6	36.63	34.77	0.49	
10-14	37.19	35.33	0.56	
10-20	37.66	35.80	0.47	
10-27	38.14	36.28	0.48	
11-3	38.62	36.76	0.48	CONT ON
11-10	39.32	37.46	0.70	pg. 133

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

Do not extend notes this side of this line.

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

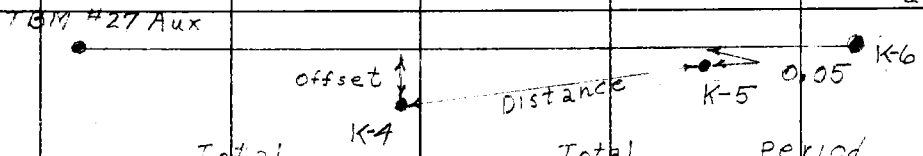
Notes Ck'd by	Survey of PORT LAND LAND LDS
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by Lane
Checked	Notes Lane Date 2-[illegible]-64
Date	Indexed [redacted] J. GARY

F. B. 950 PG. 99

COMPARISON SHEET

"K" line (K-4 To: K5)

Cont from FB 950-56



Date	Total Offset	Distance	Total Spread	Line	Period Spread
2-17	35.74	267.01	+10.76	0.20	+0.10
2-20	35.92	267.05	+10.80	0.15	+0.04
2-24	36.31	267.15	+10.90	0.39	+0.10
2-27	36.53	267.24	+10.99	0.22	+0.09
3-3	36.75	267.30	+11.05	0.22	+0.06
3-6	36.92	267.40	+11.15	0.17	+0.10
3-10	37.22	267.48	+11.23	0.30	+0.08
3-13	37.38	267.58	+11.33	0.16	+0.10
3-17	37.69	267.66	+11.41	0.31	+0.08
3-20	37.92	267.77	+11.52	0.23	+0.11
3-24	38.20	267.86	+11.61	0.28	+0.09
3-29	38.56	267.93	+11.68	0.36	+0.07
3-31	38.78	268.11	+11.86	0.22	+0.18
4-3	39.06	268.26	+12.01	0.28	+0.15
4-7	39.39	268.47	+12.22	0.33	+0.21
4-10	39.62	268.60	+12.35	0.23	+0.13
4-14	39.90	268.67	+12.42	0.28	+0.07
4-17	40.15	268.71	+12.46	0.25	+0.04
4-21	40.50	268.75	+12.50	0.35	+0.04
4-24	40.76	268.78	+12.53	0.26	+0.03
4-28	41.05	268.84	+12.59	0.29	+0.06
5-1	41.30	268.98	+12.73	0.25	+0.14
5-5	41.46	269.04	+12.79	0.16	+0.06

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

F. B. 950 Pg. 100

K-4 to K-5

Date	Total offset	Distance	Total spread	Period Line	Period spread
5-8-58	41.80	269.15	+12.90	0.34	+0.11
5-12	42.04	269.33	+13.08	0.29	+0.18
5-15	42.28	269.34	+13.09	0.24	+0.01
5-19	42.50	269.45	+13.20	0.22	+0.11
5-22	42.72	269.48	+13.23	0.22	+0.03
5-26	43.01	269.61	+13.36	0.29	+0.13
5-29	43.22	269.72	+13.47	0.21	+0.11
6-5	43.64	269.84	+13.59	0.42	+0.12
6-9	43.88	269.94	+13.69	0.24	+0.10
6-12	44.07	270.03	+13.78	0.19	+0.09
6-16	44.32	270.10	+13.85	0.25	+0.07
6-19	44.48	270.20	+13.95	0.16	+0.10
6-23	44.55	270.27	+14.02	0.07	+0.07
6-26	44.60	270.33	+14.08	0.05	+0.04
6-30	45.11	270.42	+14.17	0.51	+0.09
7-2	45.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7-7	[illegible]	270.53	+14.38	0.27	+0.15
7-9	45.72	270.63	+14.38	0.20	0.00
7-14	45.97	270.72	+14.47	0.25	+0.09
7-17	46.09	270.79	+14.54	0.12	+0.07
7-21	46.37	270.86	+14.61	0.28	+0.01
7-28	46.66	271.06	+14.81	0.29	+0.20
8-4	47.21	271.19	+14.94	0.55	+0.13
8-11	47.52	271.36	+15.09	0.31	+0.15
8-18	47.93	271.56	+15.31	0.41	+0.22
8-25	48.39	271.66	+15.41	0.46	+0.10
9-2	48.95	271.84	+15.59	0.56	+0.18
9-16	49.75	272.16	+15.91	0.80	+0.32
9-22	49.98	272.37	+16.12	0.23	+0.21
9-29	50.38	272.50	+16.25	0.40	+0.13
10-6	50.76	272.59	+16.34	0.40	+0.09
10-14	51.21	272.82	+16.57	0.43	+0.23
10-20	51.54	272.92	+16.67	0.33	+0.10
10-27	51.91	273.09	+16.84	0.37	+0.17
11-3	52.32	273.29	+17.04	0.41	+0.20
11-10	52.68	273.44	+17.19	0.36	+0.15

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

Notes Ck'd by	Survey of Fort Bend Landslide
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by [illegible]
Checked	Notes Date 2-58
Date	Indexed C. J. GALLI JUL 1 6 '83

F. B. 950 PG. 101

PIN "A" COMPARISONS

Cont. From F. B. 950-58

DATE	SHEAR TOTAL	SHEAR PERIOD
2-17	14.88	0.23
2-20	14.73	0.15
2-24	14.35	0.38
2-27	14.17	0.18
3-3	14.06	0.11
3-6	13.88	0.18
3-10	13.67	0.21
3-13	13.52	0.15
3-17	13.00	0.52
3-20	12.80	0.20
3-24	12.52	0.28
3-28	12.17	[illegible]
3-31	12.00	0.17
4-3	11.69	0.31
4-7	11.43	0.26
4-10	11.13	0.30
4-14	10.92	0.21
4-17	10.68	0.24
4-21	10.28	0.40
4-24	10.03	0.25
4-28	9.76	0.27
5-1	9.52	0.24
5-5	9.23	0.29

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

F. B. 950 Pg. 102

PIN "A" COMPARISONS

DATE	SHEAR TOTAL	SHEAR PERIOD
5-8-58	9.01	0.22
5-12	8.79	0.22
5-15	8.50	0.20
5-19	8.36	0.14
5-22	8.20	0.16
5-26	7.82	0.38
5-26	7.62	0.20
6-5	7.22	0.40
6-9	6.97	0.25
6-12	6.77	0.20
6-16	6.52	0.25
6-19	6.37	0.15
6-23	6.19	0.18
6-26	6.01	0.18
6-30	5.77	0.24
7-2	5.65	0.12
7-7	5.30	0.35
7-9	5.18	0.12
7-14	4.88	0.30
7-17	4.70	0.18
7-21	4.55	0.15
7-28	4.14	0.41
8-4	3.74	0.40
8-11	3.32	0.42

END OF MEASUREMENTS AS PER H.F. EVANS

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of [illegible]
Map No.	W. 8/21/64 Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed R. J. GALLI JUL 16 '63

F. B. [illegible] Pg. 103

PIN "B" COMPARISONS

Data From F.B. 949-208

DATE	SHEAR TOTAL	SHEAR PERIOD
2-17	6.20	0.28
2-20	6.05	0.15
2-24	5.65	0.40
2-27	5.42	0.23
3-3	5.19	0.23
3-6	5.02	0.17
3-10	4.62	0.40
3-13	4.44	0.18
3-17	4.20	0.24
3-20	4.00	0.20
3-24	3.78	0.22
3-29	3.36	0.38
3-31	3.20	0.16
4-3	2.82	0.38
4-7	2.56	0.26
4-10	2.27	0.29
4-14	1.93	0.34
4-17	1.68	0.25
4-21	1.33	0.35
4-24	1.04	0.29
4-28	0.77	0.27
5-1	0.47	0.30
5-5	0.19	0.28

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. 950 PG. 104

PIN "B"

DATE	SHEAR TOTAL	SHEAR PERIOD
5-8-58	0.06	0.13
5-12	-0.33	0.39
5-15	-0.[illegible]	0.23
5-19	-0.80	0.24
5-22	-1.00	0.20
5-26	-1.37	0.37
5-29	-1.53	0.16
6-5	-1.98	0.45
6-9	-2.26	0.28
6-12	-2.43	0.17
6-16	-2.75	0.32
6-19	-2.92	0.17
6-23	-3.10	0.18
6-26	-3.29	0.19

NO MORE MEAS. AFTER THIS DATE,
TARGET HAVE [illegible] SHEAR.

[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. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes Date 2-58
Date	Indexed C. J. GALLI JUL 16 '63

F. B. [illegible] PG. 105

PIN "D" COMPARISONS

CONT. FROM F.B. 950-60

DATE	SHEAR TOTAL	SHEAR PERIOD
2-17	12.89	0.21
2-20	NO MEAS. due to target being covered by dirt slide	

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. 950 PG. 106

PIN "D"

DATE	SHEAR	
	TOTAL	PERIOD

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 of Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes Date 2-58
Date	Indexed C. J. GALLI JUL 16 '83

F. B. [illegible] PG. 107

PIN "E" COMPARISONS

CON'T. FROM F.B. 950-62

DATE	SHEAR TOTAL	SHEAR PERIOD
2-17	-2.47	0.32
2-20	-2.67	0.20
2-24	-3.09	0.42
2-27	-3.31	0.22
3-3	-3.74	0.43
3-6	-4.02	0.28
3-10	-4.35	0.33
3-13	-4.55	0.20
3-17	-4.91	0.36
3-20	-5.08	0.17
3-24	-5.47	0.39
3-28	-5.83	0.36
3-31	-6.05	0.22
4-3	END OF [illegible] - TARGET DESTROYED	

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. 950 Pg. 108

PIN "E"

DATE	SHEAR		
	TOTAL	PERIOD	

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 POST PEND LANDSLIDE
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by Lane
Checked	Notes Lane Date 2-65
Date	Indexed R. J. GALLI JUL 16 '63

F. B. 950 PG. 109

COMPARISON SHEET

"K A"

Con't. from F.B. 950 - 64

Date	Shear Total	Period
2-17	10.29	0.21
2-20	10.48	0.19
2-24	10.87	0.39
2-27	11.07	0.20
3-3	11.32	0.25
3-6	11.50	0.18
3-10	11.80	0.30
3-13	12.00	0.20
3-17	12.29	0.29
3-20	12.51	0.22
3-24	12.78	0.27
3-28	13.15	0.37
3-31	13.39	0.24
4-3	13.65	0.26
4-7	14.00	0.35
4-10	14.26	0.26
4-14	14.58	0.32
4-17	14.83	0.25
4-21	15.13	0.30
4-24	15.40	0.27
4-28	15.69	0.29
5-1	15.95	0.26
5-5	16.24	0.29

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

"KA"

F. B. 950 Pg. 110

Date	Shear Total	Period
5-8-58	16.44	[illegible]
5-12	16.72	0.28
5-15	16.96	0.24
5-19	17.17	0.21
5-22	17.39	0.22
5-26	17.70	0.31
5-29	17.90	0.20
6-5	18.32	0.42
6-9	18.55	0.22
6-12	18.79	0.24
6-16	19.03	0.24
6-19	19.19	0.16
6-23	19.49	0.30
6-26	19.69	0.20
6-30	19.86	0.17
7-7	19.97	0.13
7-7	20.[illegible]	0.32
7-9	20.45	0.14
7-14	20.66	0.21
7-17	20.86	0.20
7-21	21.07	0.21
7-28	21.52	0.45
8-4	21.95	0.43
8-11	22.35	0.40

END OF MEAS. PER. OFFICE PAST.

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of [illegible]
Map No.	JN 2021.64 Tape Std °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 2-58
Date	Indexed [illegible]

F. B. 950 Pg. 111

COMPARISON SHEET

"KB"

Con't from FB 950-66

Date	Shear Total	Period
2-17	11.46	0.26
2-20	11.66	0.20
2-24	12.06	0.40
2-27	12.28	0.22
3-3	12.56	0.28
3-6	12.73	0.17
3-10	13.08	0.35
3-13	13.29	0.21
3-17	13.60	0.31
3-20	13.85	0.25
3-24	14.18	0.33
3-28	14.55	0.37
3-31	14.80	0.25
4-3	15.08	0.28
4-7	15.47	0.39
4-10	15.72	0.25
4-14	16.10	0.38
4-17	16.40	0.30
4-21	16.72	0.32
4-24	17.01	0.29
4-28	17.33	0.32
5-1	17.61	0.28
5-5	17.92	0.31

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

KB

F. B. 950 Pg. 112

Date	Shear Total	Shear period
5-8-58	18.17	0.25
5-12	18.46	0.29
5-15	18.74	0.28
5-19	18.97	0.23
5-22	19.16	0.19
5-26	19.54	0.38
5-29	19.75	0.21
6-5	20.25	0.50
6-9	20.52	0.27
6-12	20.79	0.27
6-16	21.05	0.26
6-18	21.25	0.20
6-23	21.59	0.34
6-26	21.67	0.08
6-30	21.99	0.32
7-2	22.11	0.12
7-7	22.48	0.37
7-9	22.63	0.15
7-14	22.93	0.30
7-17	23.12	0.19
7-21	23.40	0.28
7-28	23.88	0.48
8-4	24.36	0.48
8-11	24.85	0.49

End of Meas. Per [illegible] Inst.

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of PORTUGUESE BEND LANDSLIDE
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by
Checked	Notes T.O.P. Date 2-59
Date	Indexed J. GALLI JUL 16 '63

F. B. 959 PG. 113

COMPARISON SHEET "KC"

CONT. FROM FB 950 PG 70

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS
2-17	13.05	0.31	
2-20	13.32	0.27	
2-24	13.68	0.32	
2-27	14.04	0.36	
3-3	14.31	0.27	
3-6	14.61	0.30	
3-10	14.89	0.28	
3-13	15.17	0.28	
3-17	15.52	0.35	
3-20	15.83	0.31	
3-24	16.22	0.39	
3-28	16.63	0.41	
3-31	16.87	0.24	
4-3	17.18	0.31	
4-7	17.64	0.46	
4-10	17.90	0.26	
4-14	18.35	0.45	
4-17	18.67	0.32	
4-21	19.06	0.39	
4-24	19.37	0.31	
4-28	19.75	0.38	
5-1	20.09	0.34	
5-5	20.40	0.35	

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

"KC"

F. B. 2-50 Pg. 114

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS
5-8-58	20.48	0.28	
5-12	21.02	0.34	
5-15	21.33	0.31	
5-19	21.60	0.27	
5-22	21.90	0.30	
5-26	22.22	0.32	
5-29	22.51	0.29	
6-5	23.09	0.58	
6-9	23.40	0.31	
6-12	23.68	0.28	
6-16	24.05	0.37	
6-19	24.11	0.06	
6-23	24.51	0.40	
6-26	24.73	0.22	
6-30	25.07	0.34	
7-2	25.25	0.18	
7-7	[illegible]	[illegible]	
7-9	25.78	0.15	
7-14	26.14	0.36	
7-17	26.41	0.27	
7-21	26.70	0.29	
7-28	27.25	0.55	
8-4	27.79	0.54	
8-11	28.31	0.52	

END OF [illegible] [illegible] [illegible] [illegible]

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of PORT BEND LANDSLIDE
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed E. J. GATTI JUL 16 63

F. B. 950 PG. 115

CONT FROM F.B. 950 PG 72

COMPARISON SHEET
KD

DATE	SHEAR TOTAL	SHEAR PERIOD	TOTAL DAYS
2-17	12.30	0.25	
2-20	12.57	0.27	
2-24	12.90	0.33	
2-27	13.15	0.25	
3-3	13.49	0.34	
3-6	13.75	0.26	
3-10	14.04	0.29	
3-13	14.39	0.35	
3-17	14.62	0.33	
3-20	14.88	0.26	
3-24	15.26	0.38	
3-28	15.61	0.35	
3-31	15.90	0.29	
4-3	16.16	0.26	
4-7	16.56	0.40	
4-10	16.87	0.31	
4-14	17.26	0.39	
4-17	17.54	0.28	
4-21	17.90	0.36	
4-24	18.21	0.31	
4-28	18.46	0.25	
5-1	18.65	0.19	
5-5	18.84	0.19	

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

K D

F. B. 950 Pg. 116

DATE	SHEAR PERIOD	SHEAR TOTAL	TOTAL DAYS
5-8-58	19.10	0.26	
5-12	19.42	0.32	
5-15	19.64	0.22	
5-19	19.93	0.29	
5-22	20.11	0.18	
5-26	20.47	0.36	
5-29	20.68	0.21	
6-5	21.19	0.51	
6-9	21.53	0.34	
6-12	21.75	0.22	
6-16	22.07	0.32	
6-19	22.19	0.12	
6-23	22.41	0.22	
6-26	22.71	0.30	
6-30	22.99	0.28	
7-2	23.13	0.14	
7-7	[illegible]	[illegible]	
7-9	23.64	0.14	
7-14	23.93	0.29	
7-17	24.16	0.23	
7-21	24.43	0.27	
7-28	24.97	0.54	
8-4	25.37	0.40	
8-11	25.81	0.44	

END OF MEAS. PER OFFICE INST.

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of PORT BEND LANDSLIDE
Map No.	JN P021.64 Tape Std °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed P. J. GALLI JUL 1 6 '63

F. B. [illegible] Pg. 117

[illegible] F.B. [illegible] Pg. 74

COMPARISON SHEET

KAB

DATE	SHEAR PERIOD	SHEAR TOTAL	TOTAL DAYS
2-17	10.87	0.23	
2-20	11.07	0.20	
2-24	11.45	0.38	
2-27	11.68	0.23	
3-3	11.94	0.26	
3-6	12.13	0.19	
3-10	12.46	0.33	
3-13	12.66	0.20	
3-17	12.96	0.30	
3-20	13.20	0.24	
3-24	13.47	0.27	
3-28	13.85	0.38	
3-31	14.05	0.20	
4-3	14.35	0.30	
4-7	14.74	0.39	
4-10	15.00	0.26	
4-14	15.34	0.34	
4-17	15.62	0.28	
4-21	15.94	0.32	
4-24	16.20	0.26	
4-28	16.51	0.31	
5-1	16.79	0.28	
5-5	17.09	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.

Do not extend notes this side of this line.

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

76F9095 CE #247—3-57

"KAB"

F. B. 950 Pg. 118

DATE	SHEAR PERIOD	SHEAR TOTAL	TOTAL DAYS
5-8-58	17.31	0.22	
5-12	17.60	0.29	
5-15	17.87	0.27	
5-19	18.09	0.22	
5-22	18.29	0.20	
5-26	18.62	0.33	
5-29	18.84	0.22	
6-5	19.29	0.45	
6-9	19.54	0.25	
6-12	19.78	0.24	
6-16	19.94	0.16	
6-19	20.23	0.29	
6-23	20.51	0.28	
6-26	20.62	0.11	
6-30	20.90	0.28	
7-2	21.04	0.14	
7-7	21.[illegible]	[illegible]	
7-9	21.53	[illegible]	
7-14	21.79	0.26	
7-17	21.97	0.18	
7-21	22.23	0.26	
7-28	22.66	0.43	
8-4	23.11	0.45	
8-11	23.55	0.44	

END OF MEAS. PER OFFICE INST.

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of [illegible] LANDSLIDE
Map No.	JN 0021.64 Tape Std °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible] JUL 1 6 63
Date	Indexed C. J. GALLI

F. B. 950 PG. 119

CONT. FROM F.B. 950 PG. 78

COMPARISON SHEET

KE

DATE	SHEAR PERIOD	SHEAR TOTAL	TOTAL DAYS
2-17	11.37	0.28	
2-20	11.57	0.20	
2-24	11.92	0.35	
2-27	12.12	0.20	
3-3	12.55	0.43	
3-3	12.81	0.26	
3-10	13.14	0.33	
3-13	13.39	0.25	
3-17	13.75	0.36	
3-20	14.05	0.30	
3-24	14.45	0.40	
3-28	14.88	0.43	
3-31	15.15	0.27	
4-3	15.49	0.34	
4-7	15.97	0.48	
4-10	16.34	0.37	
4-14	16.79	0.45	
4-17	17.13	0.34	
4-21	17.46	0.33	
4-24	17.90	0.44	
4-28	18.16	0.26	
5-1	18.49	0.33	
5-5	18.99	0.50	

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

"KE"

F. B. 950 Pg. 120

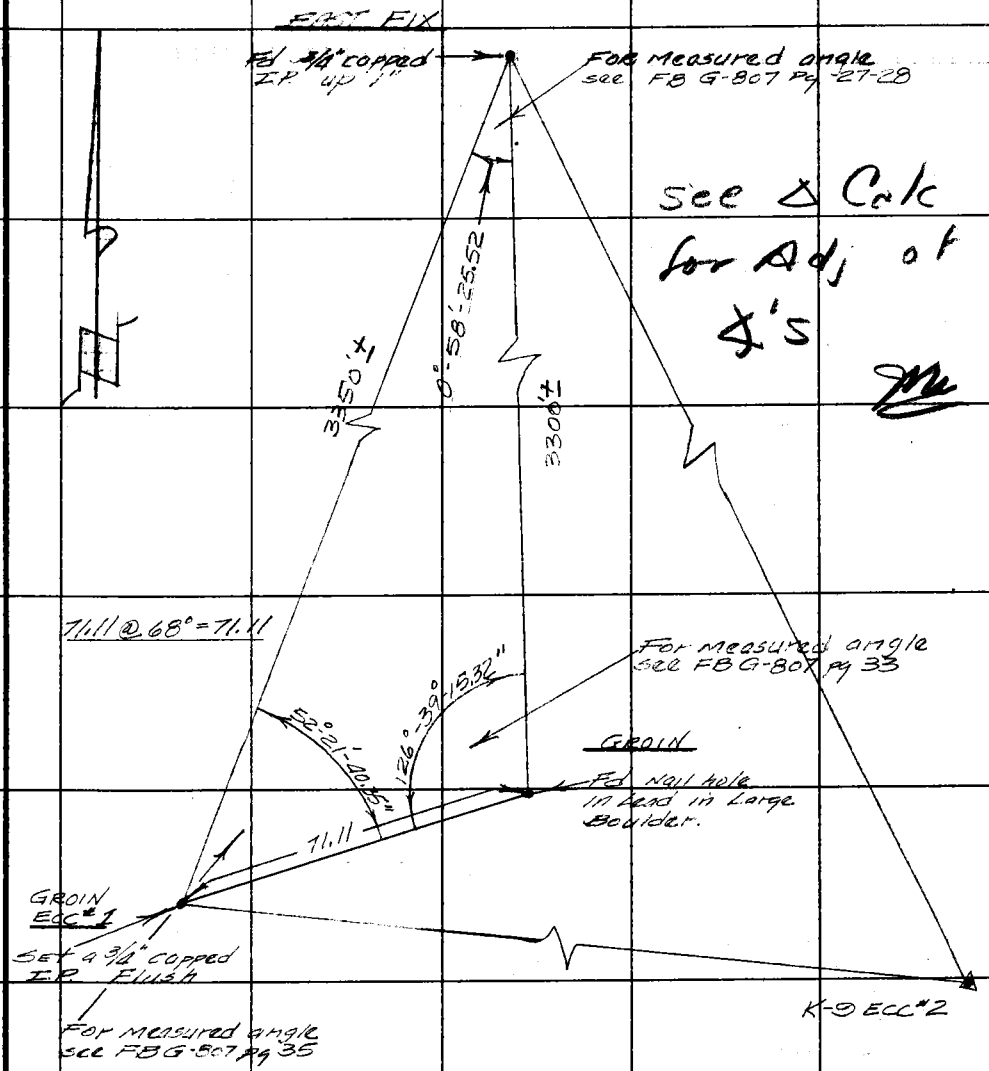
DATE	SHEAR PERIOD	SHEAR TOTAL	TOTAL DAYS
5-8-58	19.17	0.18	
5-12	19.55	0.38	
5-15	19.82	0.27	
5-19	20.22	0.40	
5-22	20.52	0.30	
5-26	20.90	0.38	
5-29	21.26	0.36	
6-5	21.91	0.65	
6-9	22.32	0.41	
6-12	22.65	0.33	
6-16	23.05	0.40	
6-19	23.34	0.29	
6-23	23.75	0.41	
6-26	24.05	0.30	
6-30	24.51	0.46	
7-2	24.70	0.19	
7-7	25.18	0.48	
7-9	25.42	0.24	
7-14	25.95	0.53	
7-17	26.22	0.27	
7-21	26.64	0.58	
7-25	27.35	0.71	
8-4	28.06	0.71	
8-11	28.77	0.71	
		END OF MEAS PER OFFICE INST	

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

Do not extend notes this side of this line.

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

Notes Ck'd by J FM	Survey of PORTUGUESE BEND LANDSLIDE	F. B. 75 Pg. [illegible]
Map No.	JN 0021.64 Tape Std. 68 °F	
Office Work	Surveyed by LIND	
Checked	Notes ACG Date 6/30/58	
Date	Indexed J. C. Johnson 7-2-58	



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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

950 122

F. B._____Pg._____

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

Do not extend notes this side of this line.

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

Notes Ck'd by C. K. GOSS	Survey of [illegible]
Map No.	JN [illegible] Tape 105 Std [illegible] °F
Office Work	Surveyed by LINO
Checked	Notes [illegible] Date 7-16-58
Date	Indexed A. C. Johnson 7-18-58

F. B. 930 Pg. 123

U.N. 0021.64

PORTUGUESE BEND LANDSLIDE

"K" LINE

K-6 TO K-13

7-16-58
LINO
GUIZADO
FOULGER
HILL
MATHER

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

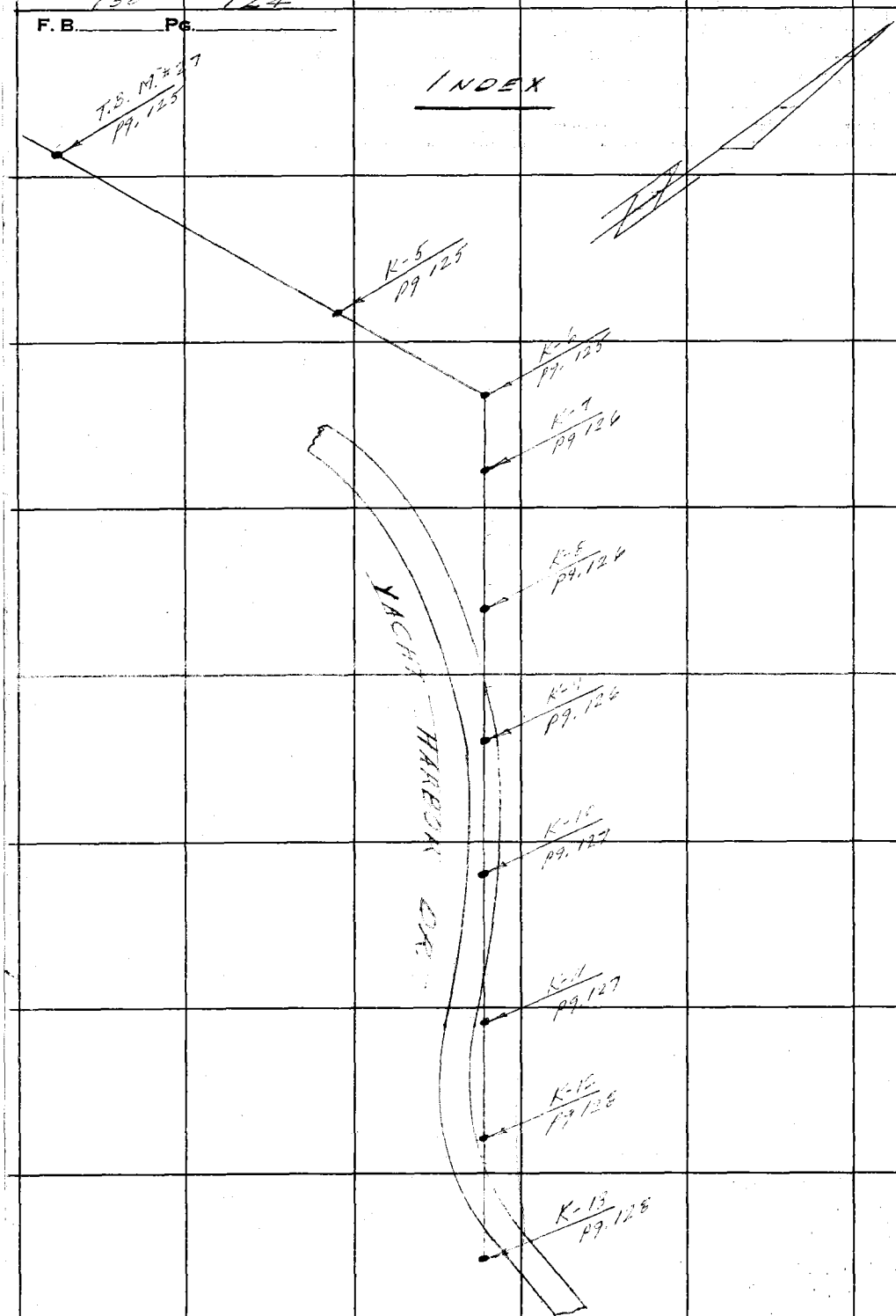
Do not extend notes this side of this line.

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

76F309S CE #247—3-57

950 124

F. B. _____ Pg. _____

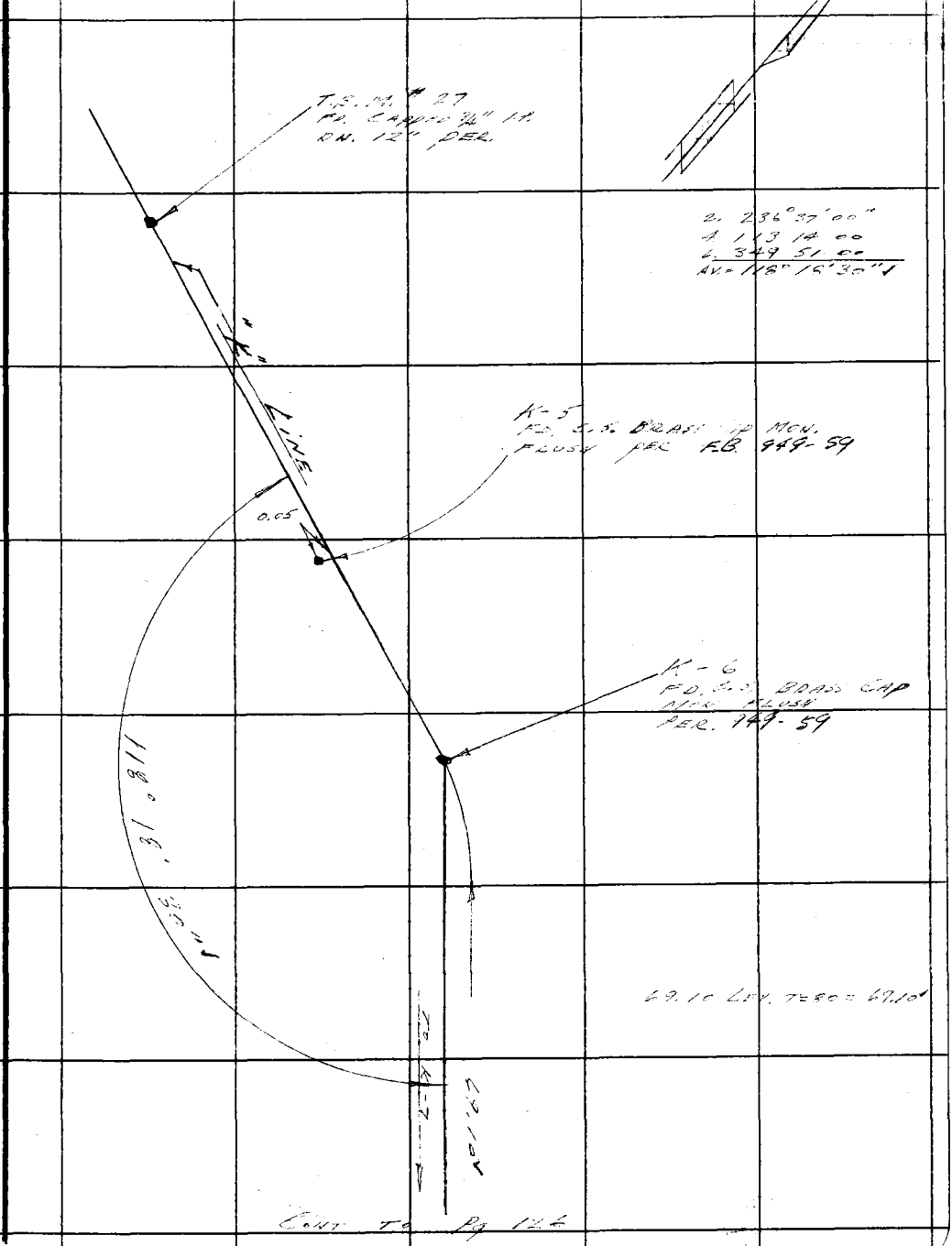


RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

Notes Ck'd by C. R. GOSS	Survey of [illegible]	F. B. 750 Pg. 125
Map No.	JN [illegible] Tape [illegible] Std [illegible] °F	
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date 7-16-58	
Date	Indexed A. C. Johnson	



CONT. TO Pg 126

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

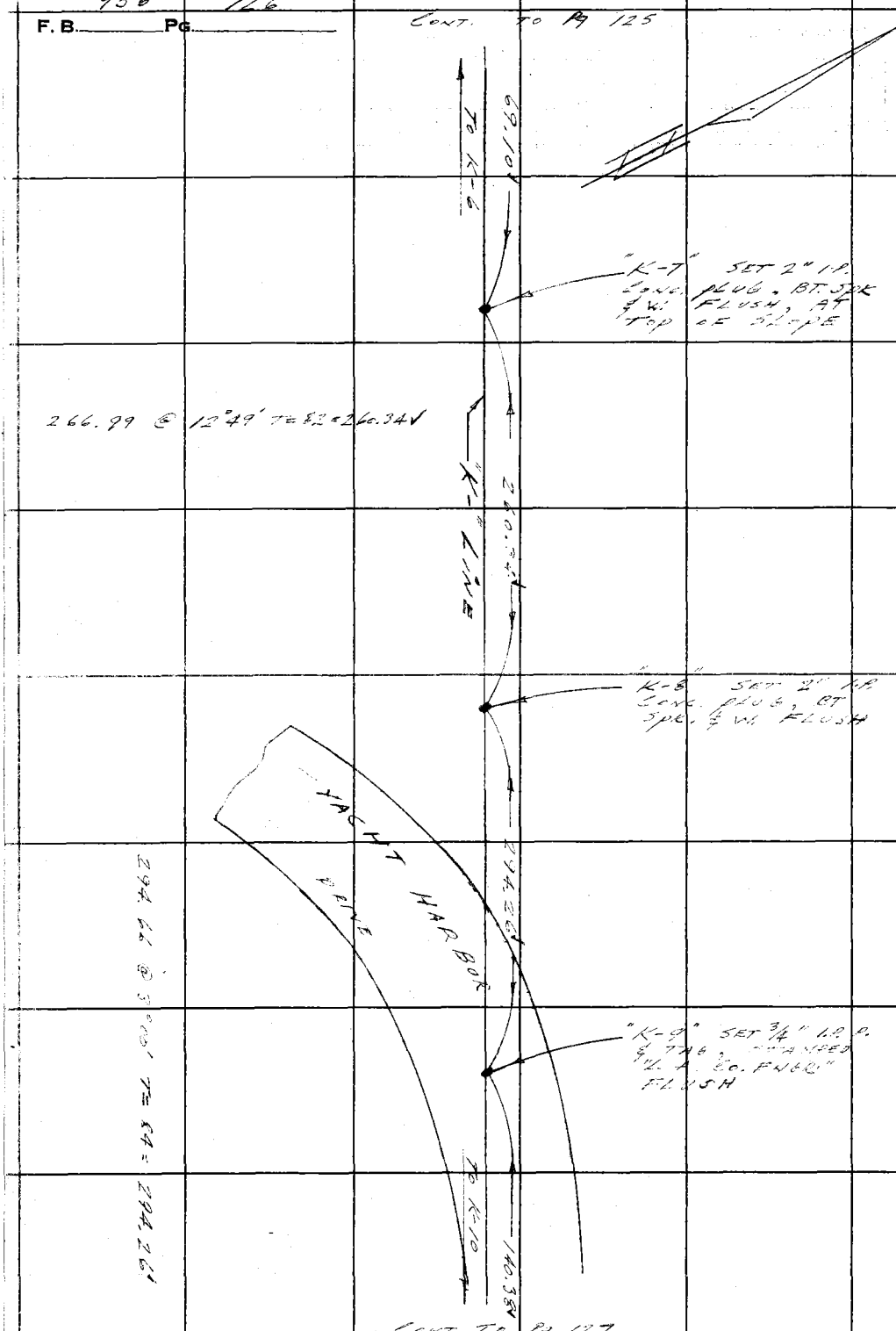
Do not extend notes this side of this line.

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

76F309S CE #247—3-57

950 126

F. B. _____ Pg. _____



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

Do not extend notes this side of this line.

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

76F3095 CE #247—3-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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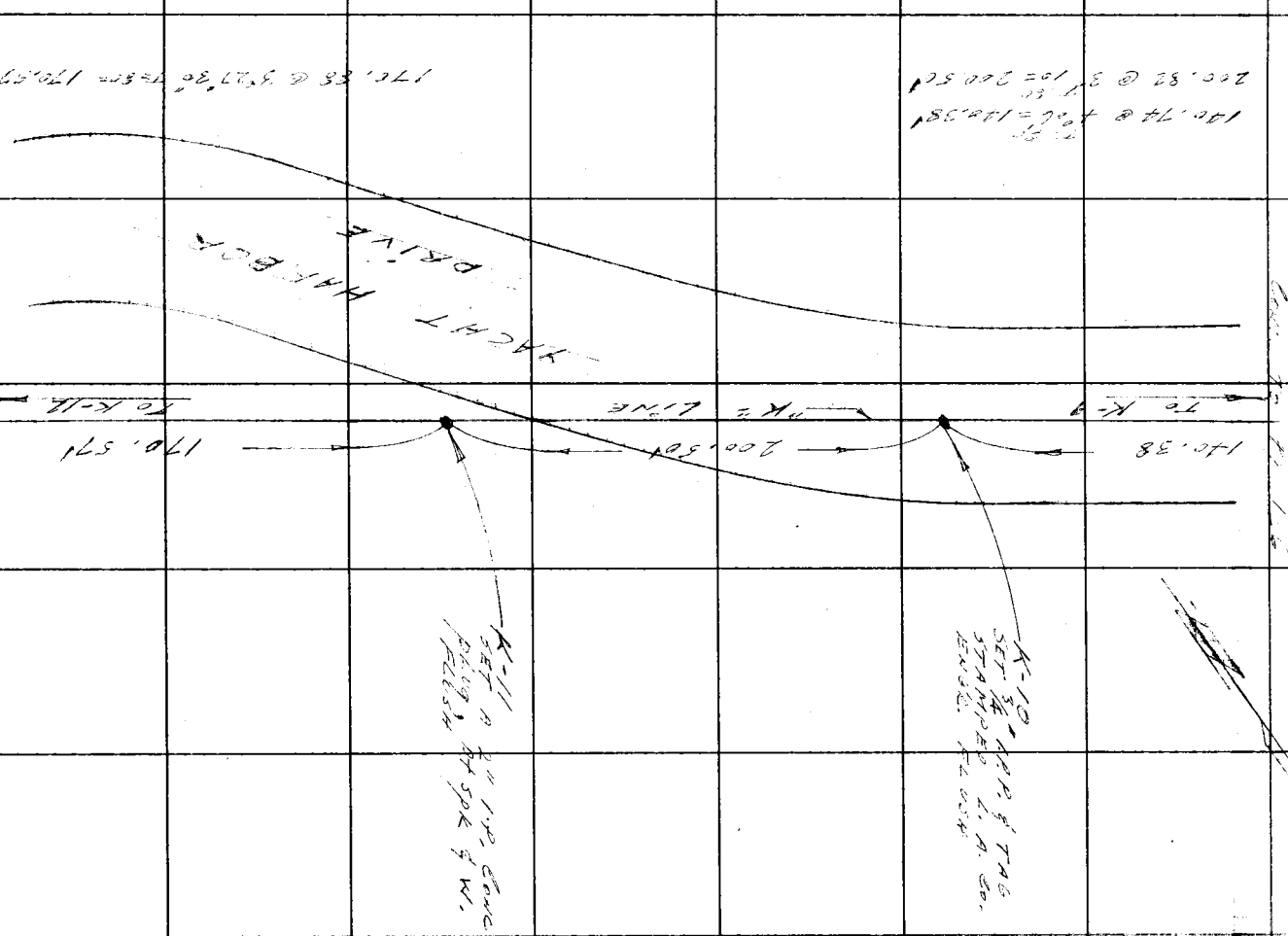
Notes Ck'd by C. R. GOSS
Map No.
Office Work
Checked
Date

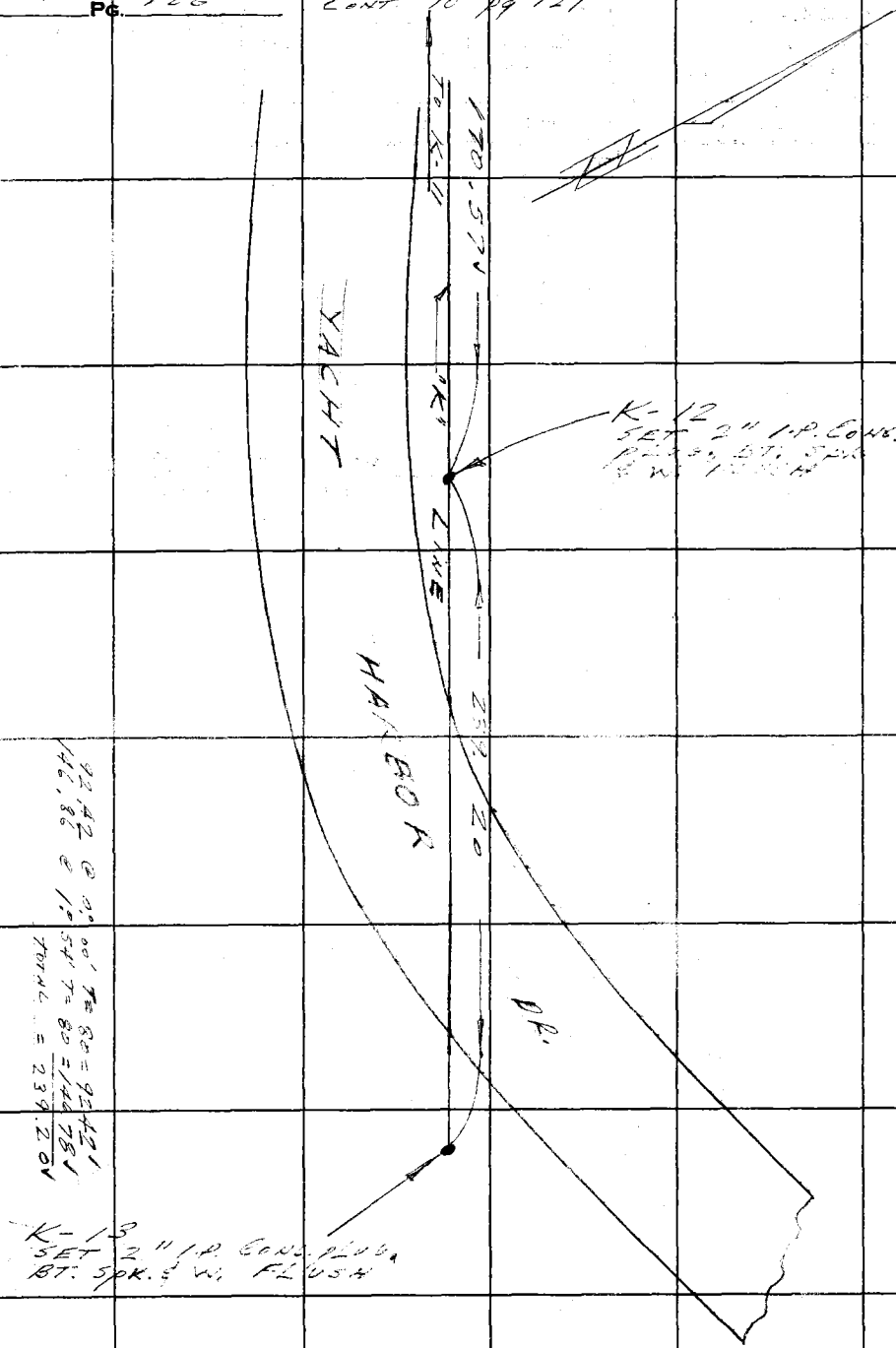
Survey of
JN Tape Std °F
Surveyed by
Notes Date
Indexed C. Johnson

F. B. Pg.



950

F. B. _____ Pg. 126 CONT. TO pg 127



92.42 @ 0°00' T= 80 = 92.42'
146.86 @ 1°54' T= 80 = 146.78'
TOTAL = 239.20'

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 [illegible]
Map No.	JN 0021.64 Tape 105 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 7-16-58
Date	Indexed E. J. GAIN JUL 16 '63

F. B. 950 PG. 124

"K" LINE

K-13 TO K-12

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR K-12	PERIOD SHEAR
7-16-58	239.20	0.00	0.00	0.00	0.00
7-24-58	239.20	0.00	0.00	0.00	0.00
8-4-58	239.20	0.00	0.00	0.00	0.00
8-18-58	239.20	0.00	0.00	0.00	0.00
8-25-58	239.20	0.00	0.00	0.00	0.00
9-2-58	239.20	0.00	0.00	0.00	0.00
9-16-58	239.20	0.00	0.00	0.00	0.00
9-22-58	239.20	0.00	0.00	0.00	0.00
9-29-58	239.20	0.00	0.00	0.00	0.00
10-6-58	239.20	0.00	0.00	0.00	0.00
10-14-58	239.20	0.00	0.00	0.00	0.00
10-20-58	239.20	0.00	0.00	0.00	0.00
10-27-58	239.20	0.00	0.00	0.00	0.00
11-3-58	239.20	0.00	0.00	0.00	0.00
11-10-58	239.20	0.00	0.00	0.00	0.00
11-17-58	239.20	0.00	0.00	0.00	0.00
11-24-58	239.20	0.00	0.00	0.00	0.00
12-1-58	239.20	0.00	0.00	0.00	0.00
12-9-58	239.20	0.00	0.00	0.00	0.00
12-15-58	239.20	0.00	0.00	0.00	0.00
12-22-58	239.20	0.00	0.00	0.00	0.00
12-29-58	239.20	0.00	0.00	0.00	0.00
1-5-59	239.20	0.00	0.00	0.00	0.00
1-12-59	239.20	0.00	0.00	0.00	0.00
1-19-59	239.20	0.00	0.00	0.00	0.00
1-26-59	239.20	0.00	0.00	0.00	0.00
2-2-59	239.20	0.00	0.00	0.00	0.00
2-9-59	239.20	0.00	0.00	0.00	0.00
2-17-59	239.20	0.00	0.00	0.00	0.00
2-25-59	239.20	0.00	0.00	0.00	0.00
3-2-59	239.20	0.00	0.00	0.00	0.00

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

950 130 K13 - K12

F. B. _____ Pg. _____

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	K-12 TOTAL SHEAR	PERIOD SHEAR
3-9-59	239.20	0.00	0.00	0.00	0.00
3-16-59	239.20	0.00	0.00	0.00	0.00
3-23-59	239.20	0.00	0.00	0.00	0.00
4-6-59	239.20	0.00	0.00	0.00	0.00
4-13-59	239.20	0.00	0.00	0.00	0.00
4-20-59	239.20	0.00	0.00	0.00	0.00
4-27-59	239.20	0.00	0.00	0.00	0.00
5-4-59	239.20	0.00	0.00	0.00	0.00
5-11-59	239.20	0.00	0.00	0.00	0.00
5-18-59	239.20	0.00	0.00	0.00	0.00
5-25-59	239.20	0.00	0.00	0.00	0.00
6-1-59	239.20	0.00	0.00	0.00	0.00
6-8-59	239.20	0.00	0.00	0.00	0.00
6-15-59	239.20	0.00	0.00	0.00	0.00
6-22-59	239.20	0.00	0.00	0.00	0.00
6-29-59	239.20	0.00	0.00	0.00	0.00
7-7-59	239.20	0.00	0.00	0.00	0.00
7-13-59	239.20	0.00	0.00	0.00	0.00
7-20-59	239.20	0.00	0.00	0.00	0.00
7-31-59	239.20	0.00	0.00	0.00	0.00
8-10-59	239.20	0.00	0.00	0.00	0.00
9-4-59	239.20	0.00	0.00	0.00	0.00
9-11-59	239.20	0.00	0.00	0.00	0.00
10-27-59	239.20	0.00	0.00	0.00	0.00
11-23-59	239.20	0.00	0.00	0.00	0.00
12-28-59	NO CHANGE		5-10-61	NO CHANGE	
1-4-60	NO CHANGE				
1-18-60	NO CHANGE				
2-1-60	NO CHANGE				
2-15-60	NO CHANGE				
2-24-60	NO CHANGE				
3-2-60	NO CHANGE				
3-15-60	NO CHANGE				
3-30-60	NO CHANGE				
4-4-60	NO CHANGE				
4-11-60	NO CHANGE				
5-3-60	NO CHANGE				
7-7-60	NO CHANGE				

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 [illegible]
Map No.	JN [illegible] Tape 105 Std. 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 7-16-58
Date	Indexed C. J. GAIN JUL 1 6 1958

F.B. 159 Pg. 131

"K" LINE

K-12 TO K-11

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR K-11	PERIOD SHEAR
7-16-58	170.57	0.00	0.00	0.00	0.00
7-24-58	170.57	0.00	0.00	0.00	0.00
8-4-58	170.57	0.00	0.00	0.00	0.00
[illegible]	170.57	[illegible]	[illegible]	[illegible]	0.00
8-25-58	170.57	0.00	0.00	0.00	0.00
9-2-58	170.57	0.00	0.00	0.00	0.00
9-16-58	170.57	0.00	0.00	0.00	0.00
9-22-58	170.57	0.00	0.00	0.00	0.00
9-29-58	170.57	0.00	0.00	0.00	0.00
10-6-58	170.57	0.00	0.00	0.00	0.00
10-14-58	170.57	0.00	0.00	0.00	0.00
10-20-58	170.57	0.00	0.00	0.00	0.00
10-27-58	170.57	0.00	0.00	0.00	0.00
11-3-58	170.57	0.00	0.00	0.00	0.00
11-10-58	170.57	0.00	0.00	0.00	0.00
11-17-58	170.57	0.00	0.00	0.00	0.00
11-24-58	170.57	0.00	0.00	0.00	0.00
12-1-58	170.57	0.00	0.00	0.00	0.00
12-9-58	170.57	0.00	0.00	0.00	0.00
12-15-58	170.57	0.00	0.00	0.00	0.00
12-22-58	170.57	0.00	0.00	0.00	0.00
12-29-58	170.57	0.00	0.00	0.00	0.00
1-5-59	170.57	0.00	0.00	0.00	0.00
1-12-59	[illegible]	0.00	0.00	0.00	[illegible]
1-19-59	[illegible]	0.00	0.00	0.00	0.00
1-26-59	170.57	0.00	0.00	0.00	0.00
2-2-59	170.57	0.00	0.00	0.00	0.00
[illegible]	170.57	0.00	0.00	0.00	0.00
2-9-59	170.57	0.00	0.00	0.00	0.00
[illegible]	[illegible]	0.00	0.00	0.00	0.00
3-2-59	170.57	0.00	0.00	0.00	0.00

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

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

76F3095 CE #247—3-57

950 132 K 12 To K 11

F. B. _____ PG. _____

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR (K-11)	PERIOD SHEAR
3-9-59	170.57	0.00	0.00	0.00	0.00
3-16-59	170.57	0.00	0.00	0.00	0.00
3-23-59	170.57	0.00	0.00	0.00	0.00
3-30-59	170.57	0.00	0.00	0.00	0.00
4-6-59	170.57	0.00	0.00	0.00	[illegible]
4-13-59	170.57	0.00	0.00	0.00	0.00
4-20-59	170.57	0.00	0.00	0.00	0.00
4-27-59	170.57	0.00	0.00	0.00	0.00
5-4-59	170.57	0.00	0.00	0.00	0.00
5-11-59	170.57	0.00	0.00	0.00	0.00
5-18-59	170.57	0.00	0.00	0.00	0.00
5-25-59	170.57	0.00	0.00	0.00	0.00
6-1-59	170.57	0.00	0.00	0.00	0.00
6-8-59	170.57	0.00	0.00	0.00	0.00
6-15-59	170.57	0.00	0.00	0.00	0.00
6-22-59	170.57	0.00	0.00	0.00	0.00
6-29-59	170.57	0.00	0.00	0.00	0.00
7-7-59	170.57	0.00	0.00	0.00	0.00
7-13-59	170.57	0.00	0.00	0.00	0.00
7-20-59	170.57	0.00	0.00	0.00	0.00
7-31-59	170.57	0.00	0.00	0.00	0.00
8-10-59	170.57	0.00	0.00	0.00	0.00
9-4-59	170.57	0.00	0.00	0.00	0.00
9-11-59	170.57	0.00	0.00	0.00	0.00
10-5-59	170.57	0.00	0.00	0.00	0.00
10-27-59	170.57	0.00	0.00	0.00	0.00
11-23-59	170.57	0.00	0.00	0.00	0.00
12-28-59	NO CHANGE				
1-4-60	NO CHANGE				
1-18-60	NO CHANGE				
2-1-60	NO CHANGE				
2-15-60	NO CHANGE				
2-24-60	NO CHANGE				
3-2-60	NO CHANGE				
3-15-60	NO CHANGE				
3-30-60	NO CHANGE				
4-6-60	NO CHANGE				
4-11-60	NO CHANGE				
5-2-60	NO CHANGE				
7-7-60	NO CHANGE				

5-10-61 NO CHANGE

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.

PORT SEN

Notes Ck'd by	Survey of LAND LINE	F. B. 950 Pg. 133
Map No.	JN 0021.04 Tape 105 Std 84 °F	
Office Work	Surveyed by LINO	
Checked	Notes LINO Date 7-16-58	
Date	Indexed C. J. GAIN JUL 1 6 '63	

K - LINE
K-11 TO K-10

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR K-10	PERIOD SHEAR
7-16-58	200.50	0.00	0.00	0.00	0.00
7-24-58	200.50	0.00	0.00	0.00	0.00
8-4-58	200.50	0.00	0.00	0.00	0.00
8-18-58	200.50	0.00	0.00	0.00	0.00
8-25-58	200.50	0.00	0.00	0.00	0.00
9-2-58	200.50	0.00	0.00	0.00	0.00
9-16-58	200.50	0.00	0.00	0.00	0.00
9-22-58	200.50	0.00	0.00	0.00	0.00
9-29-58	200.50	0.00	0.00	0.00	0.00
10-6-58	200.50	0.00	0.00	0.00	0.00
10-14-58	200.50	0.00	0.00	0.00	0.00
10-20-58	200.50	0.00	0.00	0.00	0.00
10-27-58	200.48	-0.02	-0.02	-0.00	0.00
11-3-58	200.39	-0.11	-0.09	-0.20	-0.20
11-10-58	200.40	-0.10	+0.01	-0.18	+0.02
11-17-58	200.43	-0.07	+0.03	-0.20	-0.02
11-24-58	200.43	-0.07	0.00	-0.20	0.00
12-4-58	200.43	-0.07	0.00	-0.20	0.00
12-9-58	200.43	-0.07	0.00	-0.20	0.00
12-15-58	200.39	-0.11	-0.04	-0.17	+0.03
12-22-58	200.41	-0.09	+0.02	-0.17	0.00
12-29-58	200.41	-0.09	0.00	-0.20	+0.03
1-5-59	200.38	-0.12	-0.03	-0.20	0.00
1-12-59	200.37	-0.13	-0.01	-0.20	0.00
1-[illegible]-59	200.37	-0.13	0.00	-0.20	0.00
1-[illegible]-59	200.37	-0.13	0.00	-0.20	0.00
2-2-59	200.37	-0.13	0.00	-0.20	0.00
2-[illegible]-59	200.37	-0.13	0.00	-0.18	+0.02
2-17-59	200.37	-0.13	0.00	-0.18	0.00
2-24-59	200.37	[illegible]	[illegible]	-0.16	0.00
3-2-59	200.37	-0.13	0.00	-0.16	0.00

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

76F309S CE #247—3-57

950 134 K-11 TO K-10

F. B. _____ PG. _____

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
			K-10		
3-9-59	200.37	-0.13	0.00	-0.18	0.00
3-16-59	200.37	-0.13	0.00	-0.18	0.00
3-23-59	200.37	-0.13	0.00	-0.18	0.00
3-30-59	200.37	-0.13	0.00	-0.18	0.00
4-6-59	200.37	-0.13	0.00	-0.18	0.00
4-13-59	200.37	-0.13	0.00	-0.18	0.00
4-20-59	200.37	-0.13	0.00	-0.18	0.00
5-4-59	200.37	-0.13	0.00	-0.18	0.00
5-11-59	200.37	-0.13	0.00	-0.18	0.00
5-15-59	200.37	-0.13	0.00	-0.18	0.00
5-25-59	200.37	-0.13	0.00	-0.18	0.00
6-1-59	200.37	-0.13	0.00	-0.18	0.00
6-8-59	200.37	-0.13	0.00	-0.18	0.00
6-15-59	200.37	-0.13	0.00	-0.18	0.00
6-22-59	200.37	-0.13	0.00	-0.18	0.00
6-29-59	200.37	-0.13	0.00	-0.18	0.00
7-7-59	200.37	-0.13	0.00	-0.18	0.00
7-13-59	200.37	-0.13	0.00	-0.18	0.00
7-20-59	200.37	-0.13	0.00	-0.18	0.00
7-31-59	200.37	-0.13	0.00	-0.18	0.00
8-14-59	200.37	-0.13	0.00	-0.18	0.00
9-4-59	200.37	-0.13	0.00	-0.18	0.00
9-11-59	200.37	-0.13	0.00	-0.18	0.00
10-5-59	200.37	-0.13	0.00	-0.18	0.00
10-27-59	200.37	-0.13	0.00	-0.18	0.00
11-23-59	200.37	-0.13	0.00	-0.18	0.00
12-22-59	NO CHANGE				
1-4-60	NO CHANGE				
1-18-60	NO CHANGE				
2-1-60	NO CHANGE				
2-15-60	NO CHANGE				
2-29-60	NO CHANGE				
3-2-60	NO CHANGE				
3-15-60	NO CHANGE				
3-30-60	NO CHANGE				
4-4-60	NO CHANGE				
4-11-60	NO CHANGE				
5-3-60	NO CHANGE				
7-7-60	NO CHANGE				

	T. SP.	P. SP.	T. SH.	P. SH.
5-10-61	-0.16	-0.03	-0.18	0.00

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

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PORT BEND

Notes Ck'd by	Survey of [illegible]	F. B. [illegible] PG. 135
Map No.	JN [illegible] Tape 105 Std 84 °F	
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date [illegible]	
Date	Indexed C. J. GAILE JUL 16 '63	

K-LINE

K-10 TO K-9

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
7-16-58	140.38	0.00	0.00	0.00	0.00
7-24-58	140.38	0.00	0.00	0.00	0.00
8-4-58	140.38	0.00	0.00	0.00	0.00
8-15-58	[illegible]	[illegible]	[illegible]	0.00	0.00
8-25-58	140.38	0.00	0.00	0.00	0.00
9-2-58	[illegible]	0.00	[illegible]	[illegible]	[illegible]
9-16-58	140.38	0.00	0.00	0.00	0.00
9-22-58	140.38	0.00	0.00	0.00	0.00
9-29-58	140.38	0.00	0.00	0.00	0.00
10-6-58	140.38	0.00	0.00	0.00	0.00
10-14-58	140.38	0.00	0.00	0.00	0.00
10-20-58	140.38	0.00	0.00	0.00	0.00
10-27-58	140.38	0.00	0.00	0.00	0.00
11-3-58	140.51	+0.13	+0.13	0.00	0.00
11-10-58	140.53	+0.15	+0.02	0.00	0.00
11-11-58	140.54	+0.16	+0.01	0.00	0.00
11-24-58	140.54	+0.16	0.00	0.00	0.00
12-1-58	140.54	+0.16	0.00	0.00	0.00
12-9-58	140.54	+0.16	0.00	0.00	0.00
12-15-58	140.54	+0.16	0.00	+0.02	+0.02
12-22-58	140.53	+0.15	-0.01	+0.02	0.00
12-29-58	140.53	+0.15	0.00	+0.02	0.00
1-5-59	140.52	+0.14	-0.01	+0.02	0.00
1-[illegible]	[illegible]	+0.14	[illegible]	+0.02	0.00
1-19-59	140.52	+0.14	-0.02	+0.02	0.00
1-26-59	140.52	[illegible]	[illegible]	+0.02	0.00
2-2-59	140.52	+0.14	0.00	+0.02	0.00
[illegible]	140.52	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	140.52	[illegible]	[illegible]	[illegible]	[illegible]
2-24-59	140.52	+0.14	0.00	+0.02	0.00
3-2-59	140.52	+0.14	0.00	+0.02	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 ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3098 CE #247—3-57

950 136 K10 To K9

F. B. _____ Pg. _____

K-9

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
3-9-59	140.52	+0.14	0.00	+0.02	0.00
3-16-59	140.52	+0.14	0.00	+0.02	0.00
3-23-59	140.52	+0.14	0.00	+0.02	0.00
3-30-59	140.52	+0.14	0.00	+0.02	0.00
4-6-59	140.52	+0.14	0.00	+0.02	0.00
4-13-59	140.52	+0.14	0.00	+0.02	0.00
4-20-59	140.52	+0.14	0.00	+0.02	0.00
4-27-59	140.52	+0.14	0.00	+0.02	0.00
5-4-59	140.52	+0.14	0.00	+0.02	0.00
5-11-59	140.52	+0.14	0.00	+0.02	0.00
5-15-59	140.52	+0.14	0.00	+0.02	0.00
5-25-59	140.52	+0.14	0.00	+0.02	0.00
6-1-59	140.52	+0.14	0.00	+0.02	0.00
6-8-59	140.52	+0.14	0.00	+0.02	0.00
6-15-59	140.52	+0.14	0.00	+0.02	0.00
6-22-59	140.52	+0.14	0.00	+0.02	0.00
6-29-59	140.52	+0.14	0.00	+0.02	0.00
7-7-59	140.52	+0.14	0.00	+0.02	0.00
7-13-59	140.52	+0.14	0.00	+0.02	0.00
7-20-59	140.52	+0.14	0.00	+0.02	0.00
7-31-59	140.52	+0.14	0.00	+0.02	0.00
8-[illegible]-59	140.52	+0.14	0.00	+0.02	0.00
9-4-59	140.52	+0.14	0.00	+0.02	0.00
9-11-59	140.52	+0.14	0.00	+0.02	0.00
10-5-59	140.52	+0.14	0.00	+0.02	0.00
10-27-59	140.52	+0.14	0.00	+0.02	0.00
11-23-59	140.52	+0.14	0.00	+0.02	0.00
12-28-59	No CHANGE				
1-5-60	No CHANGE				
1-18-60	No CHANGE				
2-1-60	No CHANGE				
2-15-60	No CHANGE				
2-24-60	No CHANGE				
3-2-60	No CHANGE				
3-15-60	No CHANGE				
3-30-60	No CHANGE				
4-4-60	No CHANGE				
4-11-60	No CHANGE				
5-3-60	No CHANGE				
7-7-60	No CHANGE				

	T. SP.	P. SP.	T. SH.	P. SH.
5-10-61	+0.17	+0.03	+0.05	+0.03

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.

PORT BEND

Notes Ck'd by	Survey of LANDSLIDE	F. B. 750 Pg. 137
Map No.	JN 6021-54 Tape 105 Std 84 °F	
Office Work	Surveyed by LINO	
Checked	Notes LINO Date 7-16-58	
Date	Indexed E. J. GALLI JUL 16 '63	

K-LINE
K-9- TO K-8

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
7-16-58	294.26	0.00	0.00	0.00	0.00
7-24-58	294.26	0.00	0.00	0.00	0.00
8-4-58	294.26	0.00	0.00	0.00	0.00
[illegible]	294.26	0.00	0.00	0.00	0.00
8-25-58	294.26	0.00	0.00	0.00	0.00
[illegible]	294.26	0.00	0.00	0.00	0.00
9-16-58	294.26	0.00	0.00	0.00	0.00
9-22-58	294.26	0.00	0.00	0.00	0.00
9-29-58	294.26	0.00	0.00	0.00	0.00
10-6-58	294.26	0.00	0.00	0.00	0.00
10-14-58	294.26	0.00	0.00	0.00	0.00
10-20-58	294.26	0.00	0.00	0.00	0.00
10-27-58	294.26	0.00	0.00	0.00	0.00
11-3-58	294.26	0.00	0.00	0.00	0.00
11-10-58	294.26	0.00	0.00	0.00	0.00
11-17-58	294.26	0.00	0.00	0.00	0.00
11-24-58	294.26	0.00	0.00	0.00	0.00
12-1-58	294.26	0.00	0.00	0.00	0.00
12-9-58	294.26	0.00	0.00	0.00	0.00
12-15-58	294.26	0.00	0.00	0.00	0.00
12-22-58	294.26	0.00	0.00	0.00	0.00
12-29-58	294.26	0.00	0.00	0.00	0.00
1-5-59	294.26	0.00	0.00	0.00	0.00
[illegible]	294.26	0.00	0.00	0.00	0.00
[illegible]	294.26	0.00	0.00	0.00	0.00
[illegible]	294.26	0.00	0.00	0.00	0.00
2-2-59	294.26	0.00	0.00	0.00	0.00
2-9-59	294.26	0.00	0.00	0.00	0.00
[illegible]	294.26	0.00	0.00	0.00	0.00
2-24-59	294.26	0.00	0.00	0.00	0.00
[illegible]	294.26	0.00	0.00	0.00	0.00

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

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

76F309S CE #247—3-57

950 138 K9 TO K8

F. B. _____ PG. _____

DATE	DISTANCE	K8 TOTAL SPREAD	K8 PERIOD SPREAD	K8 TOTAL SHEAR	K8 PERIOD SHEAR
3-9-59	294.26	0.00	0.00	0.00	0.00
3-16-59	294.26	0.00	0.00	0.00	0.00
3-23-59	294.26	0.00	0.00	0.00	0.00
3-30-59	294.26	0.00	0.00	0.00	0.00
4-[illegible]	294.26	0.00	0.00	0.00	0.00
4-13-59	294.26	0.00	0.00	0.00	0.00
4-20-59	294.26	0.00	0.00	0.00	0.00
4-27-59	294.26	0.00	0.00	0.00	0.00
5-[illegible]	294.26	0.00	0.00	0.00	0.00
5-11-59	294.26	0.00	0.00	0.00	0.00
5-18-59	294.26	0.00	0.00	0.00	0.00
5-25-59	294.26	0.00	0.00	0.00	0.00
6-1-59	294.26	0.00	0.00	0.00	0.00
6-8-59	294.26	0.00	0.00	0.00	0.00
6-15-59	294.26	0.00	0.00	0.00	0.00
6-22-59	294.26	0.00	0.00	0.00	0.00
6-29-59	294.26	0.00	0.00	0.00	0.00
7-7-59	294.26	0.00	0.00	0.00	0.00
7-13-59	294.26	0.00	0.00	0.00	0.00
7-20-59	294.26	0.00	0.00	0.00	0.00
7-30-59	294.26	0.00	0.00	0.00	0.00
8-10-59	294.26	0.00	0.00	0.00	0.00
9-4-59	294.26	0.00	0.00	0.00	0.00
9-11-59	294.26	0.00	0.00	0.00	0.00
10-5-59	294.26	0.00	0.00	0.00	0.00
10-27-59	294.26	0.00	0.00	0.00	0.00
11-25-59	294.26	0.00	0.00	0.00	0.00
12-28-59	No CHANGE				
1-4-60	No CHANGE				
1-18-60	No CHANGE				
2-1-60	No CHANGE				
2-15-60	No CHANGE				
2-29-60	No CHANGE				
3-2-60	No CHANGE				
3-15-60	No CHANGE				
3-30-60	No CHANGE				
4-4-60	No CHANGE				
4-11-60	No CHANGE				
5-9-60	No CHANGE				
7-7-60	No CHANGE				

	T. SP.	P. SP.	T. SH.	P. SH.
5-10-61	0.00	0.00	0.02	0.00

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.

PORT. BEND

Notes Ck'd by	Survey of [illegible]	F. B. 750 Pg. 134
Map No.	JN [illegible] Tape 100 Std. 84 °F	
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date 7-16-58	
Date	Indexed C. J. GALLI JUL 16 '63	

"K" LINE

K-8 TO K-7

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
7-16-58	260.34	0.00	0.00	0.00	0.00
7-24-58	260.34	0.00	0.00	0.00	0.00
8-4-58	260.34	0.00	0.00	0.00	0.00
8-[illegible]-58	260.34	0.00	0.00	0.00	0.00
8-26-58	260.34	0.00	0.00	0.00	0.00
9-[illegible]-58	260.34	0.00	0.00	0.00	0.00
9-16-58	260.34	0.00	0.00	0.00	0.00
9-22-58	260.34	0.00	0.00	0.00	0.00
9-29-58	260.34	0.00	0.00	0.00	0.00
10-6-58	260.34	0.00	0.00	0.00	0.00
10-14-58	260.34	0.00	0.00	0.00	0.00
10-20-58	260.34	0.00	0.00	0.00	0.00
10-27-58	260.34	0.00	0.00	0.00	0.00
11-3-58	260.34	0.00	0.00	0.00	0.00
11-10-58	260.34	0.00	0.00	0.00	0.00
11-[illegible]-58	260.34	0.00	0.00	0.00	0.00
11-24-58	260.34	0.00	0.00	0.00	0.00
12-7-58	260.34	0.00	0.00	0.00	0.00
12-9-58	260.34	0.00	0.00	0.00	0.00
12-15-58	260.34	0.00	0.00	0.00	0.00
12-22-58	260.34	0.00	0.00	0.00	0.00
12-[illegible]-58	260.34	0.00	0.00	0.00	0.00
1-5-59	260.34	0.00	0.00	0.00	0.00
1-[illegible]-59	260.34	0.00	0.00	0.00	0.00
[illegible]	[illegible]	0.00	0.00	0.00	0.00
1-26-59	260.34	0.00	0.00	0.00	0.00
2-[illegible]-59	260.34	0.00	0.00	0.00	0.00
2-9-59	260.34	0.00	0.00	0.00	0.00
[illegible]	260.34	0.00	0.00	0.00	0.00
2-[illegible]-59	260.34	0.00	0.00	0.00	0.00
[illegible]	260.34	0.00	0.00	0.00	0.00

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

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

76F3095 CE #247—3-57

950 | 140 | K-8 TO K-7

F. B. _____ Pg. _____

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR (K-7)	PERIOD SHEAR (K-7)
3-9-59	260.34	0.00	0.00	0.00	0.00
3-16-59	260.34	" "	0.00	0.00	0.00
3-23-59	260.34	0.00	0.00	0.00	0.00
3-30-59	260.34	0.00	0.00	0.00	0.00
4-6-59	260.34	0.00	0.00	0.00	0.00
[illegible]	260.34	0.00	0.00	0.00	0.00
4-27-59	260.34	0.00	0.00	0.00	0.00
5-4-59	260.34	0.00	0.00	0.00	0.00
5-11-59	260.34	0.00	0.00	0.00	0.00
5-18-59	260.34	0.00	0.00	0.00	0.00
5-25-59	260.34	0.00	0.00	0.00	0.00
[illegible]	260.34	0.00	0.00	0.00	0.00
6-8-59	260.34	0.00	0.00	0.00	0.00
6-15-59	260.34	0.00	0.00	0.00	0.00
6-22-59	260.34	0.00	0.00	0.00	0.00
6-29-59	260.34	0.00	0.00	0.00	0.00
7-7-59	260.34	0.00	0.00	0.00	0.00
7-13-59	260.34	0.00	0.00	0.00	0.00
7-20-59	260.34	0.00	0.00	0.00	0.00
7-30-59	260.34	0.00	0.00	0.00	0.00
8-10-59	260.34	0.00	0.00	0.00	0.00
9-4-59	260.34	0.00	0.00	0.00	0.00
9-11-59	260.34	0.00	0.00	0.00	0.00
10-2-59	260.34	0.00	0.00	0.00	0.00
10-27-59	260.34	0.00	0.00	0.00	0.00
11-23-59	260.34	0.00	0.00	0.00	0.00
12-28-59	NO CHANGE				
1-4-59	NO CHANGE				
1-18-60	NO CHANGE				
1-21-60	NO CHANGE				
2-15-60	NO CHANGE				
2-24-60	NO CHANGE				
3-2-60	NO CHANGE				
3-15-60	NO CHANGE				
3-30-60	NO CHANGE				
4-7-60	NO CHANGE				
4-11-60	NO CHANGE				
5-9-60	NO CHANGE				
7-7-60	NO CHANGE				

5-10-61 NO CHANGE

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 [illegible]
Map No.	JN [illegible] Tape [illegible] Std [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. J. GALLI JUL 1 6 '53

F. B. [illegible] Pg. 141

K- Line

K-7 to K-6

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
7-16-58	69.10	0.00	0.00	0.00	0.00
7-24-58	69.10	0.00	0.00	0.00	0.00
8-4-58	69.10	0.00	0.00	0.00	0.00
8-15-58	[illegible]	[illegible]	[illegible]	0.00	0.00
8-22-58	69.10	0.00	0.00	0.00	0.00
9-2-58	69.10	0.00	0.00	0.00	0.00
9-16-58	69.10	0.00	0.00	0.00	0.00
9-22-58	69.10	0.00	0.00	0.00	0.00
9-29-58	69.10	0.00	0.00	0.00	0.00
10-6-58	69.10	0.00	0.00	0.00	0.00
10-19-58	69.10	0.00	0.00	0.00	0.00
10-20-58	69.10	0.00	0.00	0.00	0.00
10-27-58	69.10	0.00	0.00	0.00	0.00
11-3-58	69.10	0.00	0.00	0.00	0.00
11-10-58	69.10	0.00	0.00	0.00	0.00
11-17-58	69.10	0.00	0.00	0.00	0.00
11-24-58	69.10	0.00	0.00	0.00	0.00
12-1-58	69.10	0.00	0.00	0.00	0.00
12-9-58	69.10	0.00	0.00	0.00	0.00
12-15-58	69.10	0.00	0.00	0.00	0.00
12-22-58	69.10	0.00	0.00	0.00	0.00
12-29-58	69.10	[illegible]	[illegible]	0.00	0.00
1-5-59	69.10	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[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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RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

950 | 142 | K7 To K6

F. B. _____ Pg. _____

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	K7 TOTAL SHEAR	PERIOD SHEAR
3-9-59	69.10	0.00	0.00	0.00	0.00
3-16-59	69.10	0.00	0.00	0.00	0.00
3-23-59	69.10	0.00	0.00	0.00	0.00
3-30-59	[illegible]	[illegible]	[illegible]	0.00	0.00
4-6-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4-13-59	69.10	0.00	0.00	0.00	0.00
[illegible]	69.10	0.00	0.00	[illegible]	[illegible]
4-27-59	69.10	0.00	0.00	0.00	0.00
5-4-59	69.10	0.00	0.00	0.00	0.00
5-11-59	69.10	0.00	0.00	[illegible]	[illegible]
5-15-59	69.10	0.00	0.00	0.00	0.00
5-28-59	69.10	0.00	0.00	0.00	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6-5-59	69.10	0.00	0.00	0.00	0.00
6-15-59	69.10	0.00	0.00	0.00	0.00
6-22-59	69.10	0.00	0.00	0.00	0.00
6-29-59	69.10	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7-13-59	69.10	0.00	0.00	0.00	0.00
7-20-59	69.10	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8-10-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9-4-59	69.10	0.00	0.00	0.00	0.00
9-11-59	69.10	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-27-59	69.10	0.00	0.00	0.00	0.00
11-23-59	69.10	0.00	0.00	0.00	0.00
12-28-59	NO	CHANGE			
1-4-60	NO	CHANGE			
1-13-60	NO	CHANGE			
2-1-60	NO	CHANGE			
2-15-60	NO	CHANGE			
2-24-60	NO	CHANGE			
3-2-60	NO	CHANGE			
3-15-60	NO	CHANGE			
3-30-60	NO	CHANGE			
4-4-60	NO	CHANGE			
4-11-60	NO	CHANGE			
5-9-60	NO	CHANGE			
7-7-60	NO	CHANGE			

5-10-61 NO CHANGE

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 C. K. COSS	Survey of [illegible]
Map No. 85-60-4	JN [illegible] Tape [illegible] Std 84 °F
Office Work T. H. BURNS	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed 9-10-58

F. B. [illegible] Pg. 145

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

"Y" LINE

Y-1 TO Y-6

CRACK LOCATION

Z-1

POT-1

Sept. 4, 1958

Line

[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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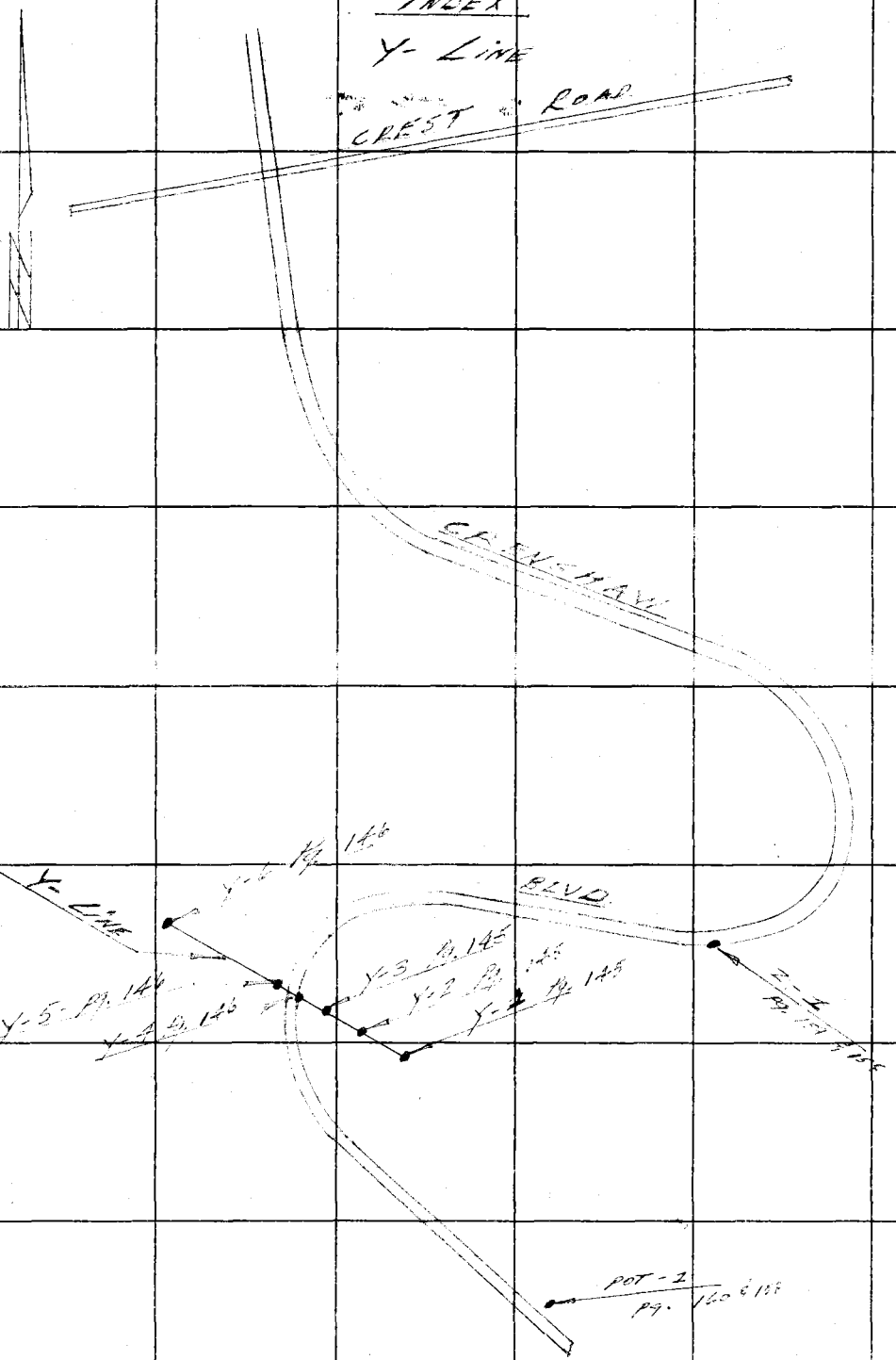
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247 3-57

F. B. 144 Pg.

INDEX

Y- LINE



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

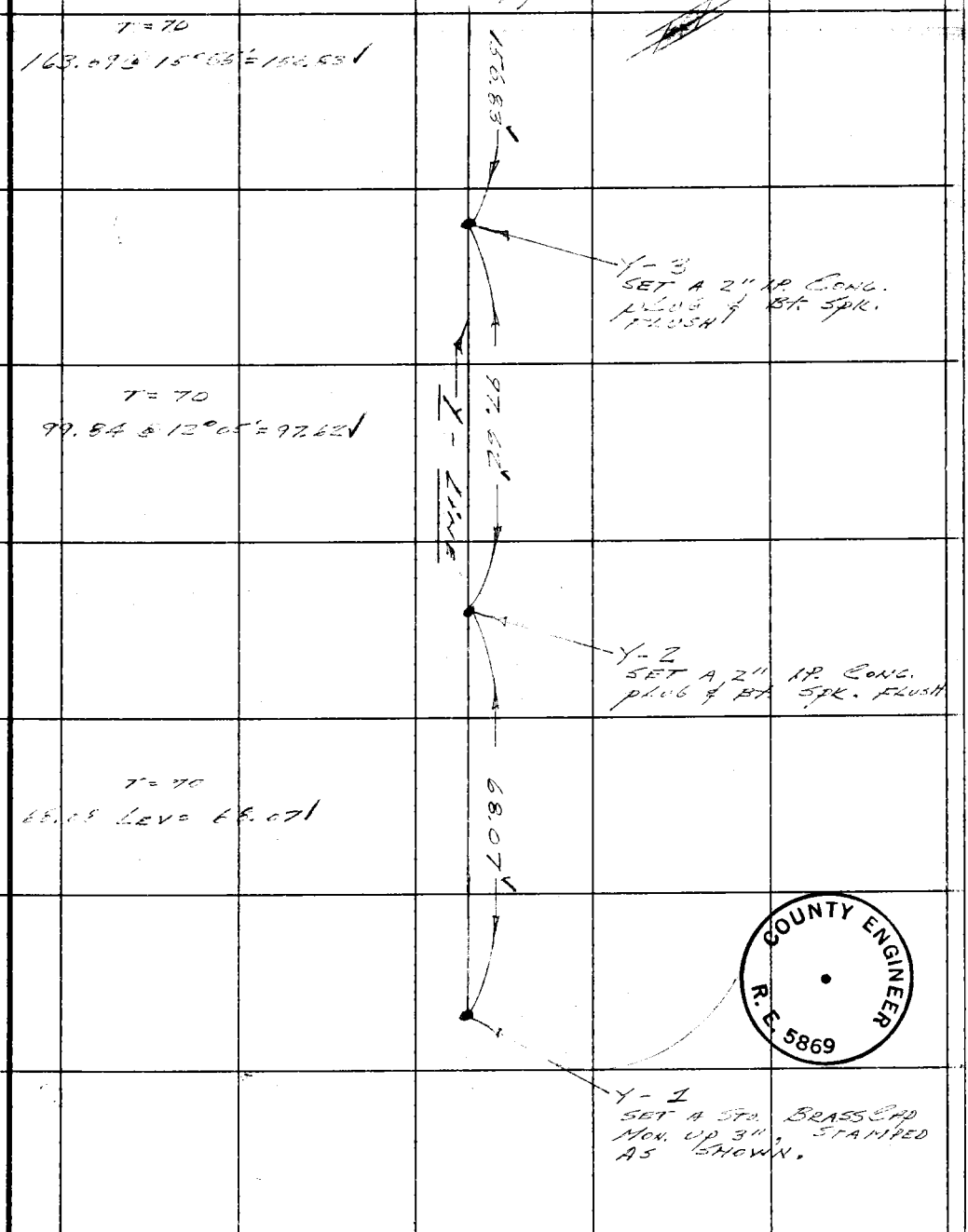
Do not extend notes this side of this line.

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

Notes Ck'd by C. R. GOSS	Survey of [illegible]
Map No. 85-60-4	JN 0021.64 Tape 153 Std. 84 °F
Office Work T. H. BURNS	Surveyed by [illegible]
Checked	Notes LIND Date 9-4-58
Date	Indexed [illegible] C. Johnson

F. B. 950 PG. 145

CONT. TO BOT. PG. 14[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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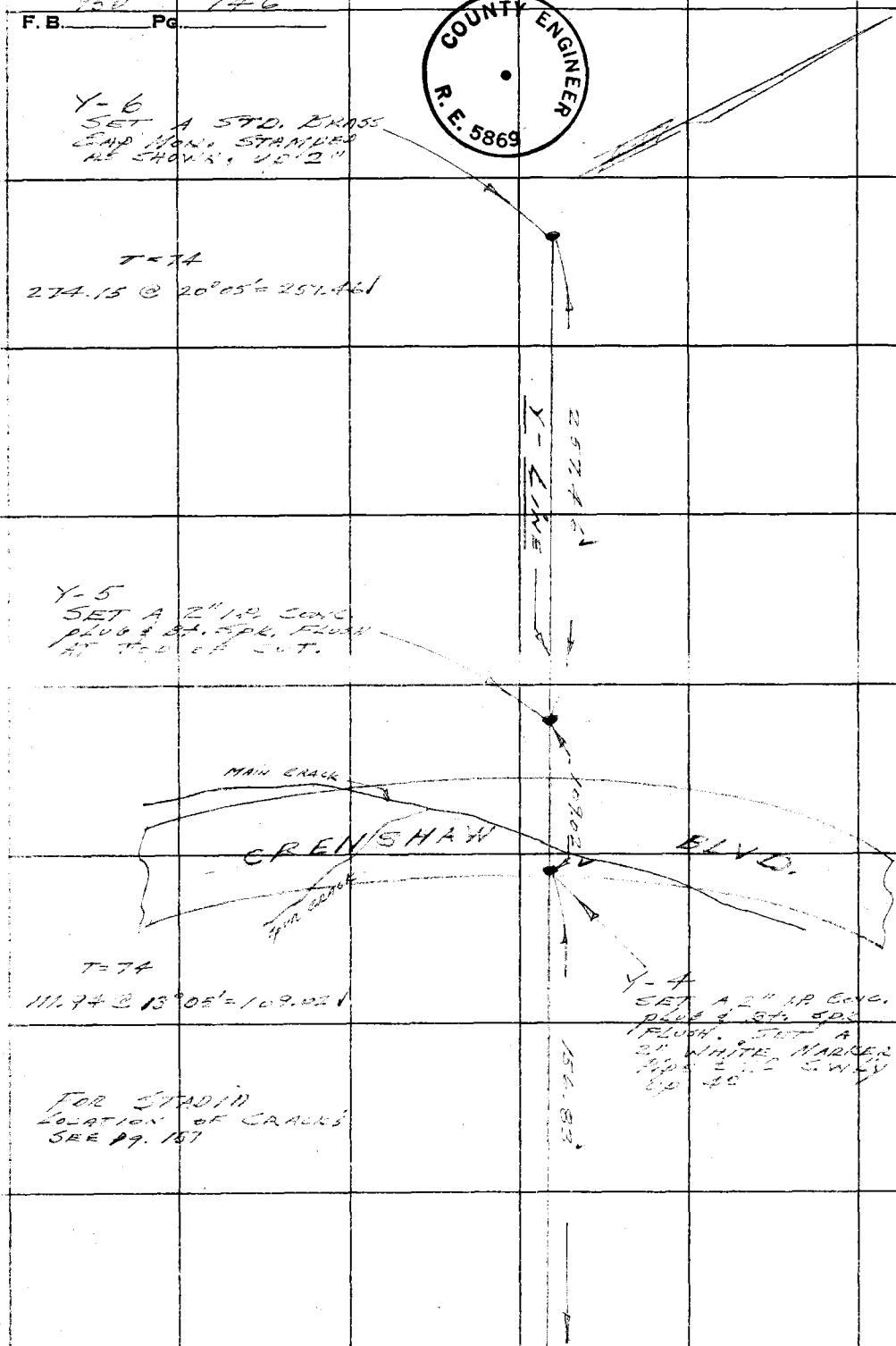
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

F. B. 950 Pg. 146

COUNTY ENGINEER
R. E. 5869



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.

CONT. FROM TOP PG. 145

Notes Ck'd by C. R. GOSS	Survey of [illegible]
Map No. 85-60-4	JN [illegible] Tape [illegible] Std [illegible] °F
Office Work T. H. BURNS	Surveyed by
Checked	Notes [illegible] Date [illegible]
Date	Indexed [illegible]

F. B. [illegible] PG. 147

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

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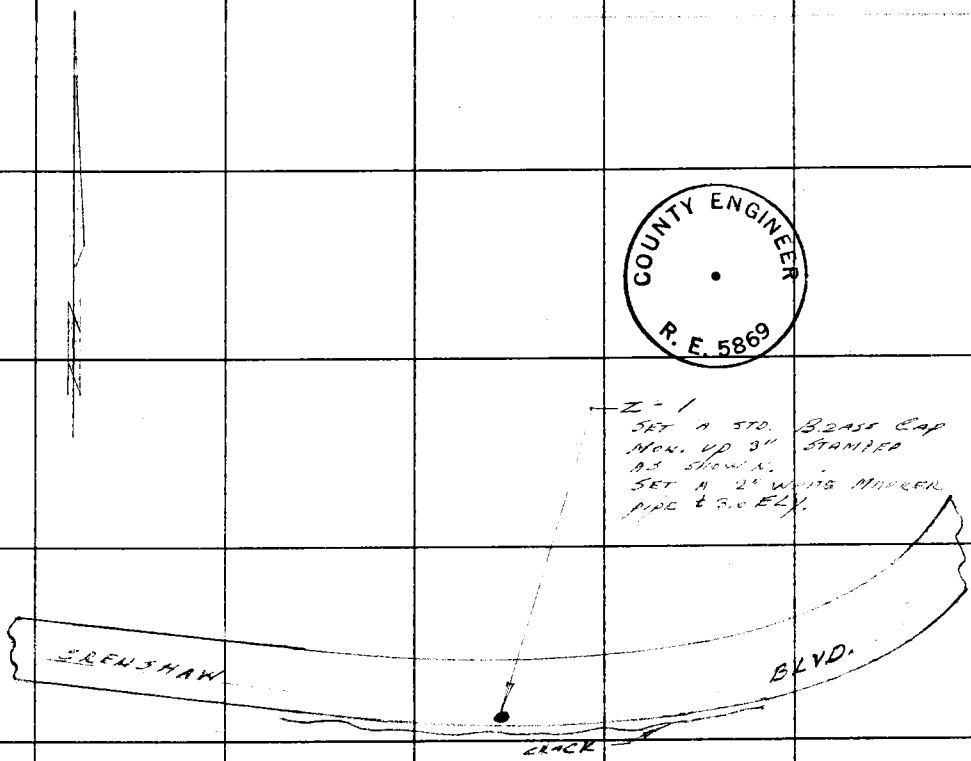
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

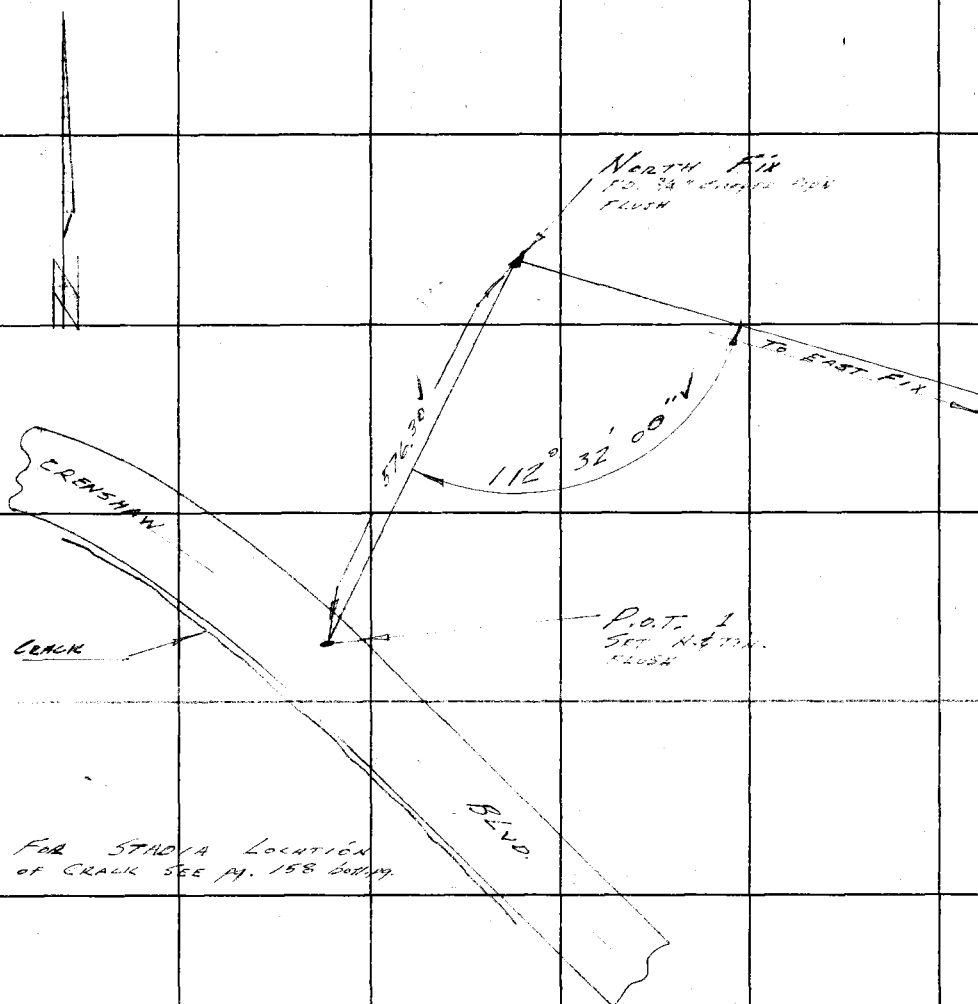
76F3098 CE #247—3-57



FOR STADIA LOCATION OF CRACK SEE PG 158 TOP.

950 148

F. B. _____ Pg. _____



For Stadia Location of Crack See pg. 158 bott. pg.

1. 112° 32' 00"
4. 90° 08' 15"
6. 315° 12' 15"
Av. 112° 32' 02"

T = 89

144.84 @ 9° 34' 30" = 142.82
151.02 @ 13° 44' = 146.70
298.48 @ 13° 56' 30" = 286.78
Total = 576.30

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

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

Do not extend notes this side of this line.

Notes Ck'd by	Survey of [illegible]
Map No.	JN [illegible] Tape [illegible] Std [illegible] °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed [illegible] JUL 1 5 '63

F. B. 750 PG. 147-A

Y-2 TO Y-2

Date	Distance	Total Spread	Period Spread	Total Total	Period Total
				Y-2	
9-4-58	68.07	0.00	0.00	0.00	0.00
9-8-58	68.07	0.00	0.00	0.00	0.00
9-15-58	68.07	0.00	0.00	0.00	0.00
9-22-58	68.07	0.00	0.00	0.00	0.00
9-29-58	68.07	0.00	0.00	0.00	0.00
10-6-58	68.07	0.00	0.00	0.00	0.00
10-14-58	68.07	0.00	0.00	0.00	0.00
10-27-58	68.07	0.00	0.00	0.00	0.00
11-3-58	68.07	0.00	[illegible]	+0.02	+0.02
11-10-58	68.07	0.00	0.00	+0.02	0.00
11-17-58	68.07	0.00	0.00	+0.02	0.00
11-24-58	68.07	0.00	0.00	+0.02	0.00
12-1-58	68.07	0.00	0.00	+0.02	0.00
12-9-58	68.07	0.00	0.00	+0.02	0.00
12-15-58	68.07	0.00	0.00	+0.02	0.00
12-22-58	68.07	0.00	0.00	+0.02	0.00
12-29-58	68.07	0.00	0.00	+0.02	0.00
1-5-59	68.07	0.00	0.00	+0.02	0.00
1-12-59	68.07	0.00	0.00	+0.02	0.00
1-26-59	68.07	0.00	0.00	+0.02	0.00
2-2-59	68.07	0.00	0.00	+0.02	0.00
2-9-59	68.07	0.00	0.00	+0.02	0.00
2-23-59	68.07	0.00	0.00	+0.02	0.00
3-2-59	68.07	0.00	0.00	+0.02	0.00
3-9-59	68.07	0.00	0.00	+0.02	0.00
3-16-59	68.07	0.00	0.00	+0.02	0.00
3-23-59	68.07	0.00	0.00	+0.02	0.00
3-30-59	68.07	0.00	0.00	+0.02	0.00
4-6-59	68.07	0.00	0.00	+0.02	0.00
4-13-59	68.07	0.00	0.00	+0.02	0.00
4-20-59	68.07	0.00	0.00	+0.02	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 ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

950 148-A Y-1 TO Y-2

F. B. _____ Pg. _____

DATE	ELEVATION	TOTAL SQUARE	PERIOD SQUARE	TOTAL SHRINK	PERIOD SHRINK
5-4-59	68.07	0.00	0.00	+0.02	0.00
5-11-59	68.07	0.00	0.00	+0.02	0.00
5-15-59	68.07	0.00	0.00	+0.02	0.00
5-25-59	68.07	0.00	0.00	+0.02	0.00
[illegible]	68.07	0.00	0.00	+0.02	0.00
6-8-59	68.07	0.00	0.00	+0.02	0.00
6-15-59	68.07	0.00	0.00	+0.02	0.00
6-22-59	68.07	0.00	0.00	+0.02	0.00
6-29-59	68.07	0.00	0.00	+0.02	0.00
7-7-59	68.07	0.00	0.00	+0.02	0.00
7-13-59	68.07	0.00	0.00	+0.02	0.00
7-20-59	68.07	0.00	0.00	+0.02	0.00
7-27-59	68.07	0.00	0.00	+0.02	0.00
8-[illegible]	68.07	0.00	0.00	+0.02	0.00
9-9-59	68.07	0.00	0.00	+0.02	0.00
9-[illegible]	68.07	0.00	[illegible]	+0.02	0.00
10-27-59	68.07	0.00	[illegible]	+0.02	0.00
11-23-59	68.07	0.00	[illegible]	+0.02	0.00
12-28-59	NO CHANGE				
1-4-60	NO CHANGE				
1-18-60	NO CHANGE				
2-1-60	NO CHANGE				
2-15-60	NO CHANGE				
2-29-60	NO CHANGE				
3-2-60	NO CHANGE				
3-17-60	NO CHANGE				
3-30-60	NO CHANGE				
4-5-60	NO CHANGE				
4-11-60	NO CHANGE				
5-3-60	NO CHANGE				
5-11-61	NO CHANGE				

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
Map No.
Office Work
Checked
Date

Survey of
JN Tape Std °F
Surveyed by
Notes Date
Indexed C. J. GALLI

F. B. PG.

Y-3 Y-3 Y-3

DATE	DISTANCE	TOTAL SPEED	FIELD SPEED	DIFF.	FIELD SPEED
7-4-58	[illegible]	0.00	+0.00	0.00	0.00
7-8-58	97.62	0.00	0.00	0.00	0.00
7-15-58	97.62	0.00	0.00	0.00	0.00
7-22-58	97.62	0.00	0.00	0.00	0.00
9-29-58	97.62	0.00	0.00	0.00	0.00
10-6-58	97.62	0.00	0.00	0.00	0.00
10-14-58	97.62	0.00	0.00	0.00	0.00
10-27-58	97.62	0.00	0.00	0.00	0.00
11-3-58	[illegible]	[illegible]	[illegible]	[illegible]	+0.03
11-10-58	97.62	0.00	0.00	+0.03	0.00
11-17-58	97.62	0.00	0.00	+0.05	+0.02
11-24-58	97.62	0.00	0.00	+0.05	0.00
12-2-58	97.62	0.00	0.00	+0.05	0.00
12-9-58	97.62	0.00	0.00	+0.05	0.00
12-15-58	97.62	0.00	0.00	+0.05	0.00
12-22-58	97.62	0.00	0.00	+0.05	0.00
12-29-58	[illegible]	0.00	0.00	+0.05	0.00
1-6-59	97.62	0.00	0.00	+0.05	0.00
1-12-59	97.62	0.00	0.00	+0.04	-0.01
1-26-59	97.62	0.00	0.00	+0.04	0.00
2-2-59	97.62	0.00	0.00	+0.04	0.00
2-9-59	97.62	0.00	0.00	+0.04	0.00
2-24-59	97.62	0.00	0.00	+0.04	0.00
[illegible]	97.62	0.00	0.00	+0.04	0.00
3-9-59	97.62	0.00	0.00	+0.04	0.00
3-16-59	97.62	0.00	0.00	+0.04	0.00
3-23-59	97.62	0.00	0.00	+0.04	0.00
3-30-59	[illegible]	0.00	0.00	+0.04	0.00
[illegible]	[illegible]	0.00	0.00	[illegible]	0.00
[illegible]	[illegible]	0.00	0.00	[illegible]	[illegible]
[illegible]	[illegible]	0.00	0.00	[illegible]	0.00
4-27-59	97.62	0.00	0.00	[illegible]	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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RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

050 150 Y-2 to Y-3

F. B. _____ Pg. _____

DATE	DISTANCE	TOTAL SHRINKAGE	PERIOD SHRINKAGE	TOTAL CHANGE	PERIOD CHANGE
5-4-59	97.62	0.00	0.00	+0.04	0.00
5-11-59	97.62	0.00	0.00	+0.04	0.00
5-18-59	97.62	0.00	0.00	+0.04	0.00
5-25-59	97.62	0.00	0.00	+0.04	0.00
6-1-59	97.62	0.00	0.00	+0.04	0.00
6-8-59	97.62	0.00	0.00	+0.04	0.00
6-15-59	97.62	0.00	0.00	+0.04	0.00
6-22-59	97.64	+0.02	+0.02	+0.04	0.00
6-29-59	97.64	+0.02	0.00	+0.04	0.00
7-7-59	97.64	+0.02	0.00	+0.04	0.00
7-13-59	97.64	+0.02	0.00	+0.04	0.00
7-30-59	97.64	+0.02	0.00	+0.04	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9-4-59	97.64	+0.02	0.00	+0.04	0.00
10-5-59	97.64	+0.02	0.00	+0.04	0.00
10-22-59	97.64	+0.02	0.00	+0.04	0.00
11-23-59	97.64	+0.02	0.00	+0.04	0.00
12-25-59	NO CHANGE				
1-4-60	NO CHANGE				
1-18-60	NO CHANGE				
2-1-60	NO CHANGE				
2-15-60	NO CHANGE				
2-22-60	NO CHANGE				
3-2-60	NO CHANGE				
3-[illegible]-60	NO CHANGE				
3-30-60	NO CHANGE				
4-8-60	NO CHANGE				
4-11-60	NO CHANGE				
5-3-60	NO CHANGE				
5-11-61	NO CHANGE				

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 Fort Berg Landslide
Map No.	JN 0021.64 Tape 153 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed R. J. GALLI JUL 1 6 '63

F. B. 950 PG. 151

Y- Line

Y-3 - To Y-4

Y-4

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
9-4-58	156.83	0.00	0.00	0.00	0.00
9-8-58	156.83	0.00	0.00	0.00	0.00
9-18-58	156.83	0.00	0.00	0.00	0.00
9-22-58	156.83	0.00	0.00	0.00	0.00
9-29-58	156.86	+0.03	+0.03	0.00	0.00
10-6-58	156.86	+0.03	0.00	+0.03	+0.03
10-14-58	156.90	+0.07	+0.04	+0.03	0.00
10-27-58	156.85	+0.02	-0.05	+0.02	-0.01
11-3-58	156.87	+0.04	+0.02	+0.03	+0.01
11-10-58	156.87	+0.04	0.00	+0.03	0.00
11-17-58	156.90	+0.07	+0.03	+0.03	0.00
11-24-58	156.90	+0.07	0.00	+0.03	0.00
12-1-58	156.90	+0.07	0.00	+0.03	0.00
12-9-58	156.90	+0.07	0.00	+0.03	0.00
12-15-58	156.92	+0.07	+0.02	+0.03	0.00
12-22-58	156.90	+0.07	-0.02	+0.03	0.00
12-29-58	156.90	+0.07	-0.02	+0.03	0.00
1-5-59	156.90	+0.07	0.00	+0.03	0.00
1-12-59	156.88	+0.05	-0.02	+0.03	0.00
1-20-59	156.88	+0.05	0.00	+0.03	0.00
2-2-59	156.88	+0.05	0.00	+0.03	0.00
2-4-59	156.88	+0.05	0.00	+0.03	0.00
2-24-59	156.8[illegible]	+0.04	-0.01	+0.03	0.00
3-2-59	156.80	-0.03	-0.01	+0.03	+0.00
3-9-59	156.84	+0.01	+0.04	+0.03	0.00
3-16-59	156.84	+0.01	0.00	+0.03	0.00
3-23-59	156.84	+0.01	0.00	+0.03	0.00
3-30-59	156.89	+0.01	0.00	+0.03	0.00
[illegible]	[illegible]	[illegible]	0.00	+0.03	0.00
[illegible]	156.84	+0.01	0.00	[illegible]	[illegible]
[illegible]	156.84	+0.01	[illegible]	[illegible]	0.00
4-27-59	156.84	+0.01	0.00	+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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RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

950 152 Y-3 TO Y-4

F.B. _____ Pg. _____

Y-4

DATE	DISTANCE	TOTAL [illegible]	[illegible]	TOTAL [illegible]	[illegible]
5-4-59	156.85	+0.02	+0.01	+0.05	+0.02
5-11-59	156.85	+0.02	0.00	+0.05	0.00
5-15-59	156.85	+0.02	0.00	[illegible]	0.00
5-25-59	[illegible]	+0.02	0.00	+0.05	0.00
6-1-59	156.85	+0.02	0.00	+0.05	0.00
6-8-59	156.85	+0.02	0.00	+0.05	0.00
6-15-59	156.85	+0.02	0.00	+0.05	0.00
6-22-59	156.85	+0.02	0.00	+0.05	0.00
6-29-59	156.85	+0.02	0.00	+0.05	0.00
7-7-59	156.85	+0.02	0.00	+0.05	0.00
7-13-59	156.85	+0.02	0.00	+0.05	0.00
7-20-59	156.85	+0.02	0.00	+0.05	0.00
7-31-59	156.85	+0.02	0.00	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9-4-59	156.85	+0.02	0.00	+0.05	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	156.85	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12-25-59	157.15	+0.32	+0.30	-0.03	-0.06
1-4-60	157.15	+0.32	0.00	-0.03	0.00
1-18-60	NO CHANGE				
2-1-60	NO CHANGE				
2-15-60	NO CHANGE				
2-24-60	NO CHANGE				
3-2-60	NO CHANGE				
[illegible]	NO CHANGE				
3-30-60	NO CHANGE				
4-4-60	NO CHANGE				
4-11-60	NO CHANGE				
5-3-60	NO CHANGE				
5-11-61	157.11	+0.28	-0.04	0.00	+0.03

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

Do not extend notes this side of this line.

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

[illegible] 950 153

Notes Ck'd by	Survey of Portuguese Bend
Map No.	JN 0021.64 Tape 100 Std. 64 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed J. GALLI JUL 1 6 '63

F. B. _____ PG. _____

"Y" LINE

Y-4 TO Y-5

Y-5

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
1-4-58	109.02	0.00	0.00	0.00	0.00
9-8-58	109.02	0.00	0.00	0.00	0.00
9-16-58	109.02	0.00	0.00	0.00	0.00
9-22-58	109.02	0.00	0.00	0.00	0.00
9-29-58	109.02	0.00	0.00	0.00	0.00
10-6-58	109.05	+0.03	+0.03	0.00	0.00
10-14-58	109.05	+0.03	0.00	0.00	0.00
10-27-58	109.05	+0.03	0.00	0.00	0.00
11-[illegible]	109.05	+0.03	0.00	0.00	0.00
11-10-58	109.05	+0.03	0.00	0.00	0.00
11-17-58	109.03	+0.01	-0.02	0.00	0.00
11-24-58	109.03	+0.01	0.00	0.00	0.00
12-7-58	109.03	+0.01	0.00	0.00	0.00
12-9-58	109.03	+0.01	0.00	0.00	0.00
12-15-58	109.03	+0.01	0.00	0.00	0.00
12-22-58	109.03	+0.01	0.00	0.00	0.00
12-29-58	109.03	+0.01	0.00	0.00	0.00
1-5-59	109.03	+0.01	0.00	0.00	0.00
1-12-59	109.04	+0.02	+0.01	0.00	0.00
[illegible]	109.04	[illegible]	0.00	0.00	0.00
[illegible]	109.04	[illegible]	0.00	0.00	0.00
2-9-59	109.04	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	109.03	[illegible]	0.00	0.00	0.00
[illegible]	109.10	+0.08	[illegible]	0.00	0.00
3-9-59	109.04	+0.02	-0.06	0.00	0.00
3-16-59	109.04	+0.02	0.00	0.00	0.00
3-23-59	109.04	+0.02	0.00	0.00	0.00
3-30-59	109.04	+0.02	0.00	0.00	0.00
4-[illegible]	109.04	+0.02	0.00	0.00	0.00
4-[illegible]	109.04	+0.02	0.00	0.00	0.00
[illegible]	109.04	+0.02		0.00	0.00
4-[illegible]	109.04	+0.02	0.00	0.00	0.00

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

Do not extend notes this side of this line.

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

76E3095 CE #247 3-57

930 154 Y-4 TO Y-5

F. B. _____ Pg. _____

Y-5

DATE	DISTANCE	TOTAL SQUEEZE	PER 100' SQUEEZE	TOTAL SHEAR	PER 100' SHEAR
5-4-59	109.04	+0.02	0.00	0.00	0.00
5-11-59	109.04	+0.02	0.00	0.00	0.00
5-18-59	109.04	+0.02	0.00	0.00	0.00
5-25-59	109.04	+0.02	0.00	0.00	0.00
6-1-59	109.04	+0.02	0.00	0.00	0.00
6-8-59	109.04	+0.02	0.00	0.00	0.00
6-15-59	109.04	+0.02	0.00	0.00	0.00
6-22-59	109.04	+0.02	0.00	0.00	0.00
6-29-59	109.04	+0.02	0.00	0.00	0.00
7-6-59	109.04	+0.02	0.00	0.00	0.00
7-13-59	109.04	+0.02	0.00	0.00	0.00
7-20-59	109.04	+0.02	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8-10-59	109.04	+0.02	0.00	0.00	0.00
9-4-59	109.04	+0.02	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-20-59	109.04	+0.02	0.00	0.00	0.00
12-28-59	108.74	+0.28	0.30	0.00	0.00
1-5-60	108.74	+0.28	0.00	0.00	0.00
1-18-60	NO CHANGE				
2-1-60	NO CHANGE				
2-18-60	NO CHANGE				
2-24-60	NO CHANGE				
3-2-60	NO CHANGE				
3-9-60	NO CHANGE				
3-30-60	NO CHANGE				
4-4-60	NO CHANGE				
4-11-60	NO CHANGE				
5-3-60	NO CHANGE				
5-11-61	108.80	-0.22	+0.06	+0.03	+0.03

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950 155

Notes Ck'd by	Survey of Port Bend [illegible]
Map No.	JN [illegible] Tape 153 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed J. CAIN JUL 1 6 '63

F. B. PG.

Y Line

Y-5 To Y-6

Date	Distance	Total Spread	Period Spread
9-4-58	257.46	0.00	0.00
9-8-58	257.46	0.00	0.00
9-18-58	257.46	0.00	0.00
9-22-58	257.46	0.00	0.00
9-29-58	257.46	0.00	0.00
10-6-58	257.46	0.00	0.00
10-14-58	257.46	0.00	0.00
10-27-58	257.46	0.00	0.00
11-3-58	257.46	0.00	0.00
11-10-58	257.46	0.00	0.00
11-17-58	257.46	0.00	0.00
11-24-58	257.46	0.00	0.00
12-1-58	257.46	0.00	0.00
12-9-58	257.46	0.00	0.00
12-15-58	257.46	0.00	0.00
12-22-58	257.46	0.00	0.00
12-29-58	257.46	0.00	0.00
1-5-59	257.46	0.00	0.00
1-[illegible]-59	[illegible]	[illegible]	[illegible]
1-26-59	257.46	0.00	0.00
2-[illegible]-59	257.46	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]
2-24-59	257.46	0.00	0.00
3-[illegible]-59	257.46	0.00	0.00
3-9-59	257.46	0.00	0.00
3-16-59	257.46	0.00	0.00
3-23-59	257.46	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	257.46	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0.00	[illegible]
[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.

Do not extend notes this side of this line.

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

76F3095 CE #247—3-57

750 156 Y-5 TO Y-6

F. B. _____ PG. _____

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
5-4-59	257.52	+0.06	0.00		
5-11-59	257.52	+0.06	0.00		
5-15-59	257.52	+0.06	0.00		
5-25-59	257.52	+0.06	0.00		
[illegible]	[illegible]	[illegible]	[illegible]		
6-8-59	257.52	+0.06	0.00		
6-15-59	257.52	+0.06	0.00		
6-22-59	257.52	+0.06	0.00		
6-29-59	257.52	+0.06	0.00		
7-7-59	257.52	+0.06	0.00		
7-13-59	257.52	+0.06	0.00		
7-20-59	257.52	+0.06	0.00		
7-31-59	257.52	+0.06	0.00		
[illegible]	[illegible]	[illegible]	[illegible]		
9-4-59	257.52	+0.06	0.00		
10-[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]				
11-23-59	257.52	+0.06	0.00		
12-28-59	NO	CHANGE			
1-4-60	NO	CHANGE			
1-18-60	NO	CHANGE			
2-1-60	NO	CHANGE			
2-19-60	NO	CHANGE			
2-24-60	NO	CHANGE			
3-2-60	NO	CHANGE			
3-13-60	NO	CHANGE			
3-30-60	NO	CHANGE			
4-4-60	NO	CHANGE			
4-11-60	NO	CHANGE			
5-3-60	NO	CHANGE			
5-11-61	257.55	+0.09	+0.03		

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76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	π AT Y-5	SIGHT ON Y-[illegible]
STADIA LOCATION OF CRACK AT CRENSHAW & "Y" LINE						
		HORIZ ∠	VERT ∠	LOG INTER.	HOR. DIST.	
	1	[illegible]° 15' R	-6° 53'	2.87	282.78	[illegible] MAIN [illegible]
	2	[illegible] R	[illegible]	2.73	269.94	
	3	[illegible] R	[illegible]	2.39	235.37	
	4	[illegible] R	[illegible]	2.12	207.48	
	5	[illegible] R	-8° 34'	[illegible]	179.92	
	6	[illegible] R	[illegible]	[illegible]	126.70	
	7	[illegible] R	[illegible]	[illegible]	93.23	
	8	[illegible] R	-11° 14'	[illegible]	166.44	[illegible]
	9	[illegible] R	[illegible]	[illegible]	210.36	[illegible]
	10	[illegible] R	[illegible]	[illegible]	76.85	MAIN [illegible]
	11	[illegible] R	[illegible]	[illegible]	65.50	
	12	[illegible] L	[illegible]	[illegible]	66.75	
	13	[illegible] L	-10° 43'	[illegible]	94.61	
	14	[illegible] L	[illegible]	[illegible]	120.63	
	15	[illegible] L	[illegible]	[illegible]	156.46	
	16	[illegible] L	[illegible]	[illegible]	236.00	
	17	[illegible] L	+2° 14'	[illegible]	344.48	END MAIN [illegible]

Profile Notes Red. Plotted Job No. [illegible] Division No. 10 F. B. [illegible] PG. 157
No. Date Date Survey of [illegible]
X-Sec. Notes Chkd. Checked C. R. GOSS Survey by [illegible] Notes [illegible] Date [illegible]
No. Date Date Map No. [illegible] Date

76L-298 S & E #307—1-56

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 750 Pg. 158 Job No. 6021.6 Division No. 10 Notes Red. Plotted Profile
Survey of Hydrologic Bend Lands Date No. X-Sec.
Survey by Notes Notes Chkd. Checked F. K. DOSS No.
Indexed L. C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
STADIA LOCATION OF CRACK ON CRENSHAW AT Z LINE SEE pg. 159						
	Rod	Vertex	Horiz. ∠	Vert. ∠	Horz. Dist.	
	4.49					
1	5.00	1.49	92° 31' L	+3° 12'	148 74	BEG. CRACK
	4.25					
2	5.00	1.05	96° 13' L	+3° 27'	104 62	
	4.73					
3	4.00	0.73	89° 42' L	+3° 35'	72 72	
	6.32					
4	6.00	0.32	[illegible]	[illegible]	36 00	
	4.07					
5	4.00	0.07	[illegible]	[illegible]	7 00	
	4.30					
6	4.00	0.30	[illegible]	-[illegible]	-39 04	
	5.86					
7	6.00	0.86	[illegible]	-[illegible]	79 78	
	6.18					
8	7.00	1.28	97° 28'	[illegible]	127 32	
	[illegible]					
9	6.00	1.73	100° 53'	[illegible]	172 53	
	[illegible]					
10	5.00	2.22	102° 42'	-3° 09'	221 33	[illegible]
STADIA LOCATION OF CRACK ON CRENSHAW BELOW N. FIR. 6 AT POT. 1 SEE pg. 160						
	[illegible]					
1	[illegible]	[illegible]	[illegible]	[illegible]	63 00	BEG. CRACK
	[illegible]					
2	[illegible]	[illegible]	[illegible]	[illegible]	55 98	
	[illegible]					
3	[illegible]	[illegible]	[illegible]	[illegible]	89 60	
	[illegible]					
4	[illegible]	[illegible]	[illegible]	[illegible]	126 31	
	[illegible]					
5	[illegible]	1.77	[illegible]	+[illegible]	173 99	
	[illegible]					
6	[illegible]	2.77	[illegible]	+[illegible]	274 45	[illegible]

Notes Ck'd by C. R. GOSS	Survey of P.B. LANDSLIDE
Map No. SURV. 85-60-4	JN 0021.64 Tape 153 Std 84 °F
Office Work T. H. BURNS	Surveyed by LIND
Checked	Notes LIND Date 9-24-58
Date	Indexed K. C. Johnson 9-26 58

F. B. 950 PG. 159

U.N. 0021.64

PORTUGUESE BEND LANDSLIDE

"W" - LINE

"W-1" TO "W-4"

9-24-58
LIND
GUIZADO
PETERSON
FOULGER
HILL

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76F309S CE #247—3-57

RETURN TO
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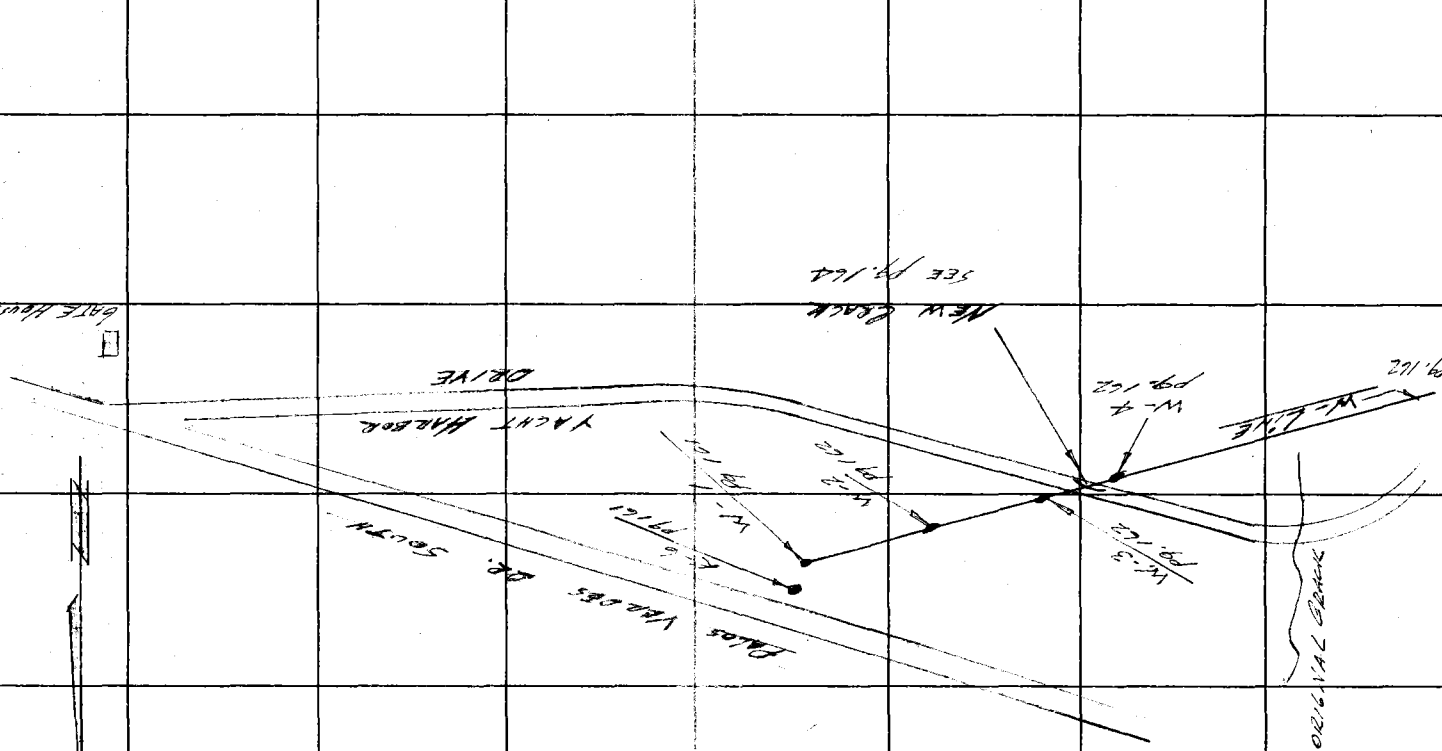
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

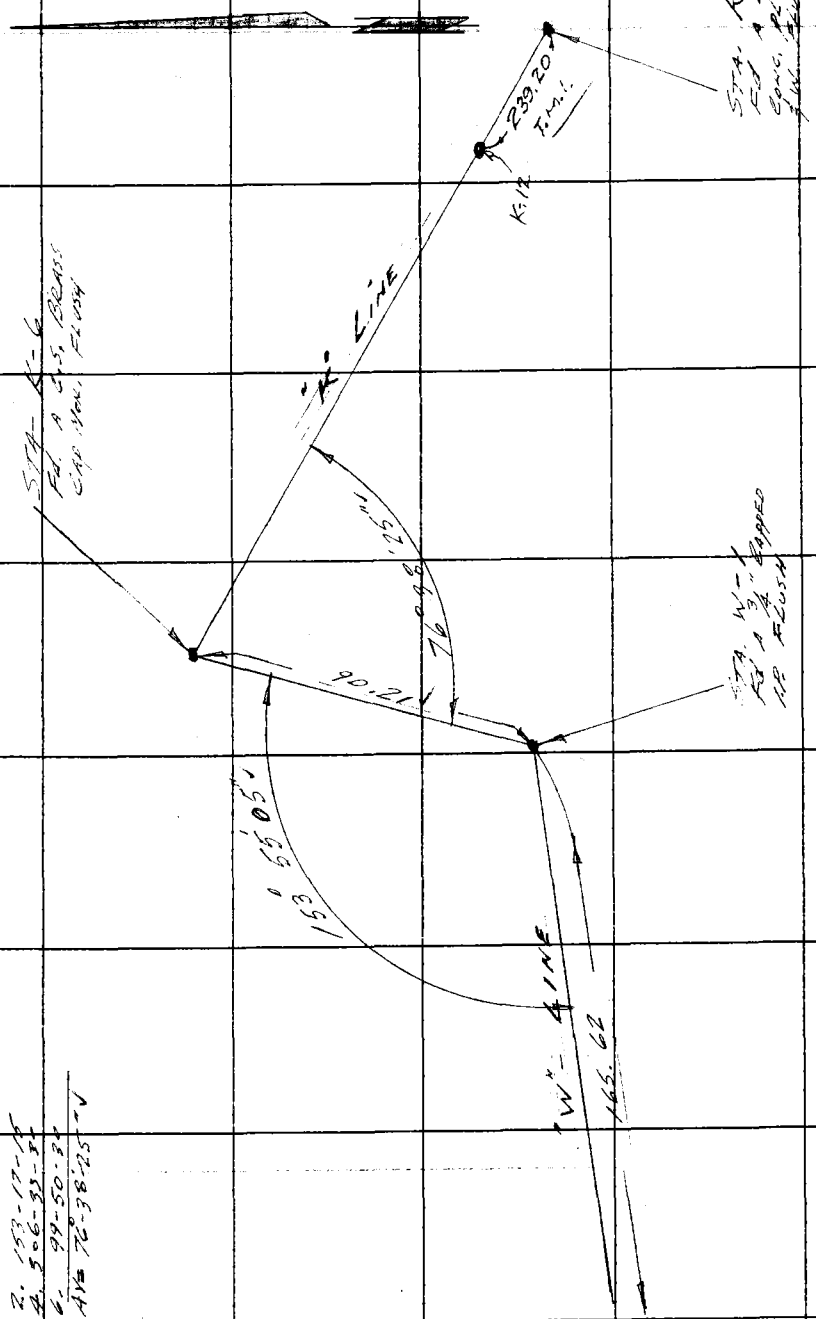
Do not extend notes this side of this line.



F. B. 950 Pg. 160

Notes Ck'd by C. R. GOSS	Survey of P.B. Landslide
Map No. Surv. 85-60-4	JN 0021.64 Tape 153 Std 84 °F
Office Work H. BURNS	Surveyed by [illegible]
Checked	Notes [illegible] Date 9-24-58
Date	Indexed C. Johnson

F. B. 750 PG. 161



2. 153-17-15
4. 306-33-3
6. 99-50-30
AV= 76°38'25"

1. 153 55 00
4. 255 40 30
6. 203 30 30
AV.= 153°55'05"

Cont. to Top Pg. 162

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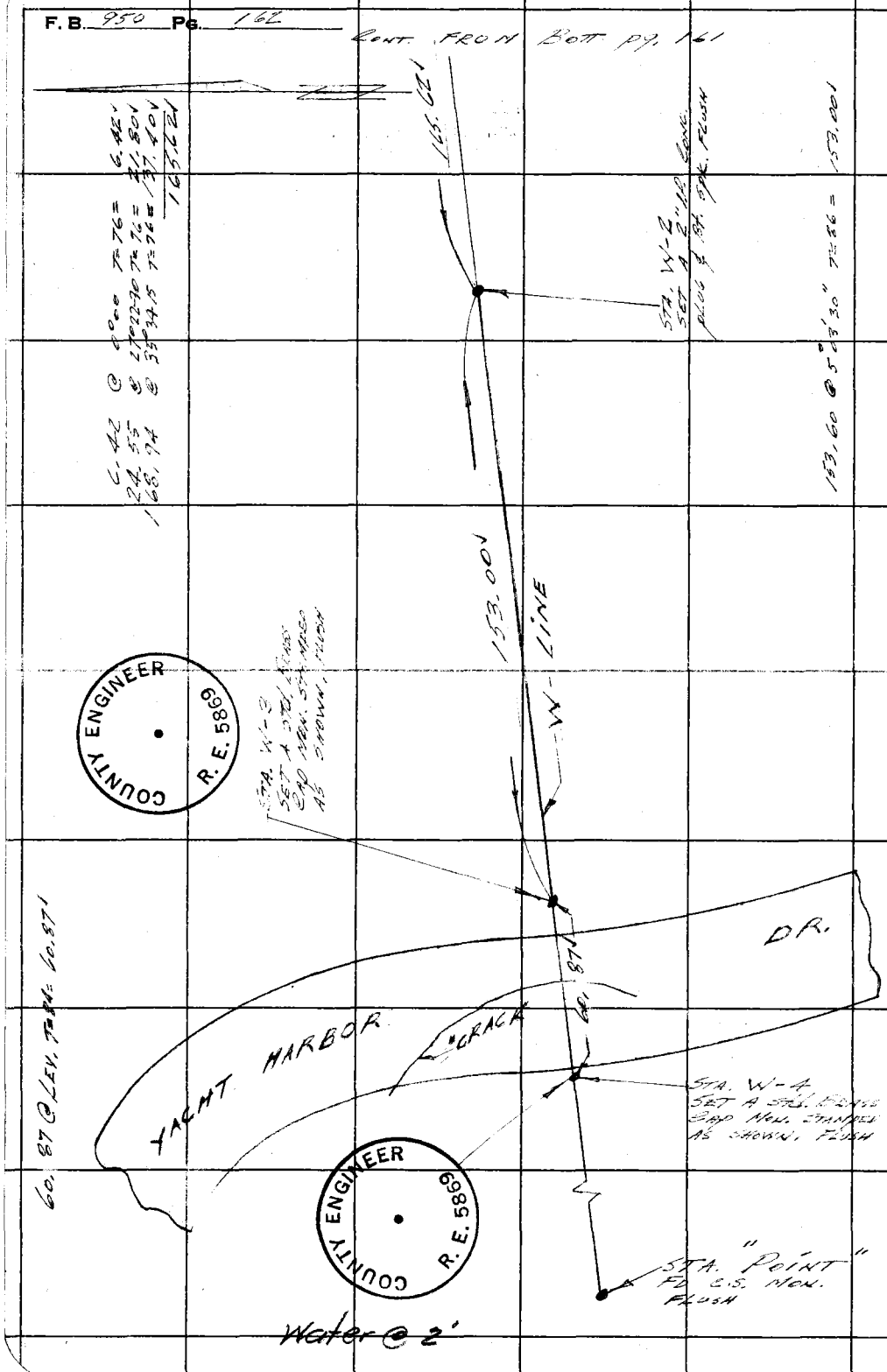
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

F. B. 950 Pg. 162



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Notes Ck'd by C. R. GOSS	Survey of [illegible]
Map No. Surv. 85-60-4	JN 0021.64 Tape 153 Std 84 °F
Office Work T. H. BURNS	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson

F. B. 950 PG. 163

JN 0021.64

PORTUGUESE BEND
LANDSLIDE

LOCATION OF CRACKS
ON "W" LINE

9-24-58
LIND
GUIZADO
PETERSON
HILL
FOUIGER

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

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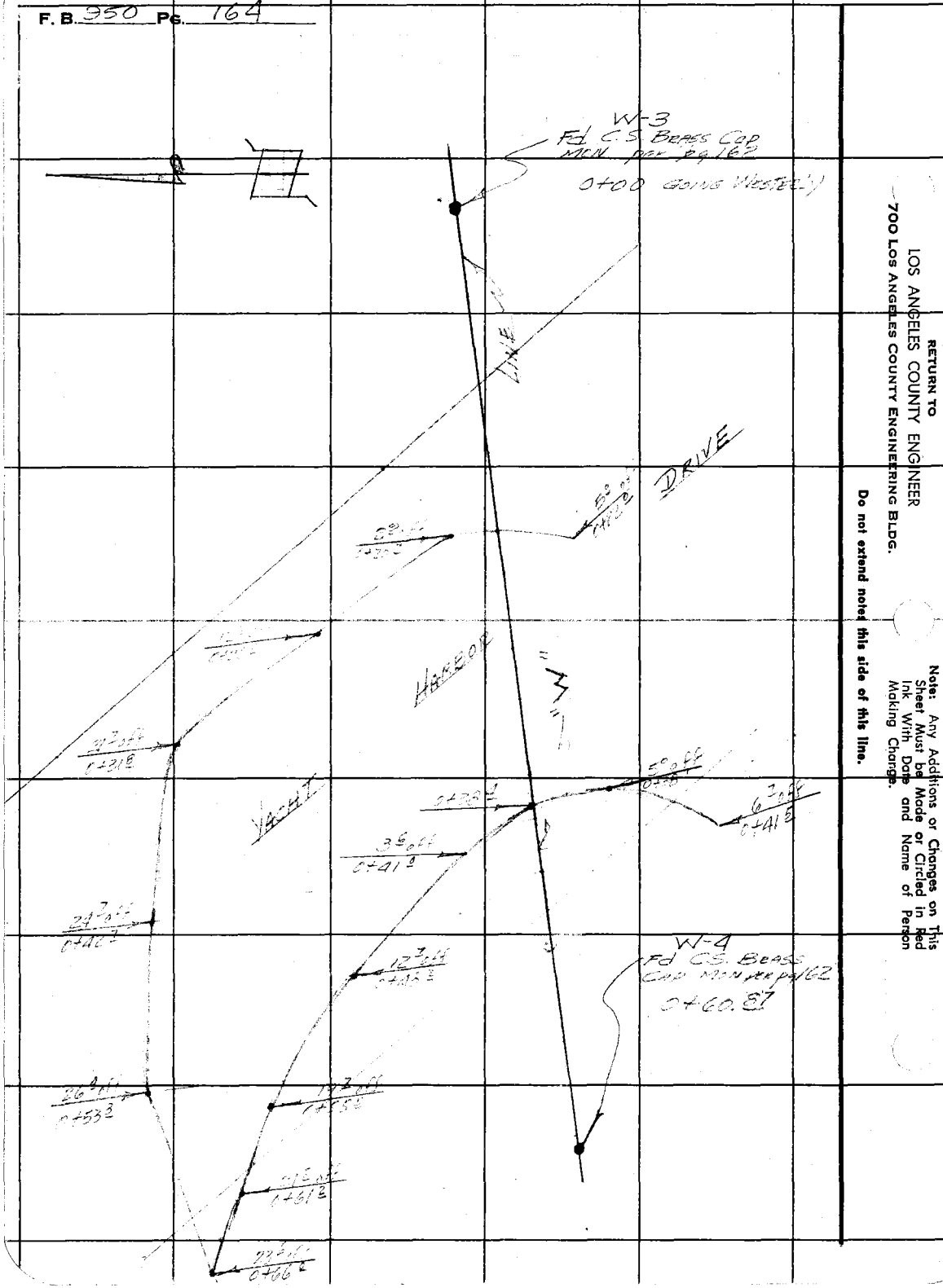
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57

F. B. 950 Pg. 164



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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 0021.64 Tape 153 Std 84 °F
Office Work	Surveyed by
Checked	Notes [illegible] Date [illegible]-58
Date	Indexed [illegible] J. GALLI JUL 1 6 '63

F. B. 350 PG. 165

"W" LINE

W-1 TO W-2

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
				W-2	
9-24-58	165.62	0.00	0.00	0.00	0.00
[illegible]	165.62	0.00	0.00	0.00	0.00
10-6-58	165.62	0.00	0.00	0.00	0.00
10-14-58	165.62	0.00	0.00	0.00	0.00
10-20-58	165.62	0.00	0.00	0.00	0.00
10-27-58	165.62	0.00	0.00	0.00	0.00
11-3	165.62	0.00	0.00	0.00	0.00
11-10-58	165.62	0.00	0.00	0.00	0.00
11-17-58	165.62	0.00	0.00	0.00	0.00
11-24-58	165.62	0.00	0.00	0.00	0.00
12-1-58	165.62	0.00	0.00	0.00	0.00
12-9-58	165.62	0.00	0.00	0.00	0.00
12-15-58	165.62	0.00	0.00	0.00	0.00
12-22-58	165.62	0.00	0.00	0.00	0.00
12-29-58	[illegible]	0.00	0.00	0.00	0.00
1-[illegible]-59	[illegible]	0.00	0.00	0.00	0.00
1-12-59	165.62	0.00	0.00	0.00	0.00
1-19-59	165.62	0.00	0.00	0.00	0.00
1-[illegible]-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1-26-59	165.62	0.00	0.00	0.00	0.00
2-[illegible]-59	[illegible]	0.00	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0.00	0.00	[illegible]	[illegible]
2-[illegible]-59	[illegible]	0.00	0.00	[illegible]	[illegible]
2-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3-[illegible]-59	[illegible]	0.00	0.00	[illegible]	[illegible]
3-7-59	165.62	0.00	0.00	0.00	0.00
3-16-59	165.62	0.00	0.00	0.00	0.00
3-23-59	165.62	0.00	0.00	0.00	0.00
3-30-59	165.62	0.00	0.00	0.00	0.00
4-6-59	165.62	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00
4-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57

W-1 TO W-2

F. B. 950 Pg. 166

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
4-27-59	165.62	0.00	0.00	0.00	0.00
5-4-59	165.62	[illegible]	0.00	0.00	0.00
5-11-59	165.62	0.00	0.00	0.00	0.00
5-15-59	165.62	0.00	0.00	0.00	0.00
[illegible]	165.62	[illegible]	[illegible]	0.00	0.00
6-1-59	165.62	0.00	0.00	0.00	0.00
6-8-59	165.62	0.00	0.00	0.00	0.00
6-15-59	165.62	0.00	0.00	0.00	0.00
6-22-59	165.62	0.00	0.00	0.00	0.00
6-29-59	165.62	0.00	0.00	0.00	0.00
7-7-59	165.62	0.00	0.00	0.00	0.00
7-13-59	165.62	0.00	0.00	0.00	0.00
7-20-59	165.62	0.00	0.00	0.00	0.00
7-31-59	165.62	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9-3-59	165.62	0.00	0.00	[illegible]	[illegible]
9-[illegible]	165.62	0.00	0.00	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-[illegible]	165.62	[illegible]	[illegible]	[illegible]	[illegible]
11-23-59	165.62	0.00	0.00	0.00	0.00
12-28-59	No CHANGE				
1-4-60	No CHANGE				
1-18-60	No CHANGE				
2-1-60	No CHANGE				
2-15-60	No CHANGE				
2-24-60	No CHANGE				
3-2-60	No CHANGE				
3-15-60	No CHANGE				
3-30-60	No CHANGE				
4-4-60	No CHANGE				

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Notes Ck'd by	Survey of PORT BEND LANDSLIDE
Map No.	JN 003164 Tape 153 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. J. GAIN JUL 1 6 63

F. B. 950 PG. 167

"W" LINE

W-2 TO W-3

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR W-3	PERIOD SHEAR
9-24-58	153.00	0.00	0.00	0.00	0.00
9-[illegible]-58	153.00	0.00	0.00	0.00	0.00
10-6-58	152.98	-0.02	-0.02	0.00	0.00
10-14-58	153.00	0.00	+0.02	0.00	0.00
10-20-58	153.00	0.00	0.00	0.00	0.00
10-27-58	153.00	0.00	0.00	0.00	0.00
[illegible]	153.00	0.00	0.00	0.00	0.00
11-10-58	153.00	0.00	0.00	0.00	0.00
11-17-58	153.00	0.00	0.00	0.00	0.00
11-24-58	153.00	0.00	0.00	0.00	0.00
12-[illegible]-58	153.00	0.00	0.00	0.00	0.00
12-9-58	153.00	0.00	0.00	0.00	0.00
12-15-58	153.00	0.00	0.00	0.00	0.00
12-22-58	153.00	0.00	0.00	0.00	0.00
12-24-58	153.00	0.00	0.00	0.00	0.00
1-5-59	153.00	0.00	0.00	0.00	0.00
1-13-59	153.00	0.00	0.00	0.00	0.00
1-[illegible]-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1-[illegible]-59	[illegible]	[illegible]	[illegible]	0.00	0.00
[illegible]-59	153.00	0.00	0.00	0.00	0.00
2-9-59	153.00	0.00	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0.00	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	0.00	[illegible]	[illegible]	[illegible]
[illegible]	153.00	0.00	0.00	[illegible]	[illegible]
3-9-59	153.00	0.00	0.00	0.00	0.00
3-16-59	153.00	0.00	0.00	0.00	0.00
3-23-59	153.00	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4-6-59	153.00	0.00	0.00	0.00	0.00
4-13-59	153.00	0.00	0.00	0.00	0.00
[illegible]	153.00	0.00	0.00	0.00	0.00

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

Do not extend notes this side of this line.

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

76F3095 CE #247—3-57

W-2 TO W-3

F. B. 950 Pg. 168

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
4-27-59	153.00	0.00	0.00	0.00	0.00
5-4-59	153.00	0.00	0.00	0.00	0.00
5-11-59	153.00	0.00	0.00	0.00	0.00
5-15-59	153.00	0.00	0.00	0.00	0.00
5-25-59	153.00	0.00	0.00	0.00	0.00
6-1-59	153.00	0.00	0.00	0.00	0.00
6-8-59	153.00	0.00	0.00	0.00	0.00
6-15-59	153.00	0.00	0.00	0.00	0.00
6-22-59	153.00	0.00	0.00	0.00	0.00
6-29-59	153.00	0.00	0.00	0.00	0.00
7-7-59	153.00	0.00	0.00	0.00	0.00
7-13-59	153.00	0.00	0.00	0.00	0.00
7-20-59	153.00	0.00	0.00	0.00	0.00
7-31-59	153.00	0.00	0.00	0.00	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9-3-59	153.00	0.00	0.00	0.00	0.00
9-[illegible]	153.00	0.00	0.00	0.00	0.00
10-27-59	153.00	0.00	0.00	0.00	0.00
11-23-59	153.00	0.00	0.00	0.00	0.00
12-28-59	NO CHANGE				
1-4-60	NO CHANGE				
1-18-60	NO CHANGE				
2-1-60	NO CHANGE				
2-18-60	NO CHANGE				
2-24-60	NO CHANGE				
3-2-60	NO CHANGE				
3-[illegible]-60	NO CHANGE				
3-30-60	NO CHANGE				
4-4-60	NO CHANGE				
4-11-60	NO CHANGE				
5-3-60	NO CHANGE				

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 [illegible]
Map No.	JN [illegible] Tape 153 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. I. RAIN JUL 16 63

F. B. 950 Pg. 169

"W" LINE

W-3 TO W-4

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR W-4	PERIOD SHEAR
[illegible]	60.87	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	60.87	0.00	0.00	+0.03	0.03
10-6-58	60.85	-0.02	-0.02	+0.04	+0.01
10-14-58	60.78	-0.09	-0.07	+0.09	+0.05
10-20-58	60.78	-0.09	+0.00	+0.06	-0.03
10-27-58	60.77	-0.10	-0.01	+0.08	+0.02
11-3	60.77	[illegible]	[illegible]	[illegible]	[illegible]
11-10-58	60.76	-0.11	-0.01	+0.08	0.00
[illegible]	[illegible]	[illegible]	[illegible]	+0.10	-0.02
11-24-58	60.75	-0.12	-0.01	+0.10	0.00
12-1-58	60.75	-0.12	0.00	+0.10	0.00
12-9-58	60.75	-0.12	0.00	+0.10	0.00
12-15-58	60.75	-0.12	0.00	+0.08	-0.02
12-22-58	60.75	-0.12	0.00	+0.10	+0.02
12-[illegible]-58	60.75	[illegible]	0.00	[illegible]	0.00
1-5-59	60.75	-0.12	0.00	[illegible]	-0.01
1-12-59	60.75	-0.12	[illegible]	[illegible]	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1-26-59	[illegible]	[illegible]	0.00	[illegible]	[illegible]
2-2-59	60.77	-0.13	+0.01	[illegible]	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.00
[illegible]	60.75	[illegible]	-0.02	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3-9-59	60.72	-0.15	+0.03	+0.11	+0.02
3-16-59	60.72	[illegible]	0.00	[illegible]	[illegible]
3-23-59	60.71	[illegible]	[illegible]	+0.12	+0.01
3-30-59	60.70	-0.17	[illegible]	+0.12	0.00
4-6-59	60.69	-0.18	-0.01	+0.12	0.00
[illegible]	[illegible]	[illegible]	[illegible]	+0.12	[illegible]
[illegible]	[illegible]	-0.19	[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.

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

W-3 to W-4

F. B. 350 Pg. 170

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
4-21-59	60.68	-0.19	-0.01	+0.12	0.00
5-4-59	60.68	-0.19	0.00	+0.12	0.00
5-11-59	60.68	-0.19	0.00	+0.12	0.00
5-15-59	60.68	-0.19	0.00	+0.12	0.00
5-25-59	60.68	-0.19	0.00	+0.12	0.00
6-1-59	60.68	-0.19	0.00	+0.12	0.00
6-8-59	60.68	-0.19	0.00	+0.12	0.00
6-15-59	60.68	-0.19	0.00	+0.12	0.00
6-22-59	60.68	-0.19	0.00	+0.12	0.00
6-29-59	60.68	-0.19	0.00	+0.12	0.00
7-7-59	60.68	-0.19	0.00	+0.12	0.00
7-13-59	60.68	-0.19	0.00	+0.12	0.00
7-20-59	60.68	-0.19	0.00	+0.12	0.00
7-31-59	60.68	-0.19	0.00	+0.12	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9-3-59	60.68	[illegible]	0.00	+0.12	[illegible]
9-11-59	60.68	-0.19	0.00	+0.12	0.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11-23-59	60.68	-0.19	0.00	+0.12	0.00
12-28-59	No Change				
1-4-60	No Change				
1-18-60	No Change				
2-1-60	No Change				
2-15-60	No Change				
2-22-60	No Change				
3-2-60	No Change				
3-18-60	No Change				
3-30-60	No Change				
4-11-60	No Change				
5-3-60	No Change				

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

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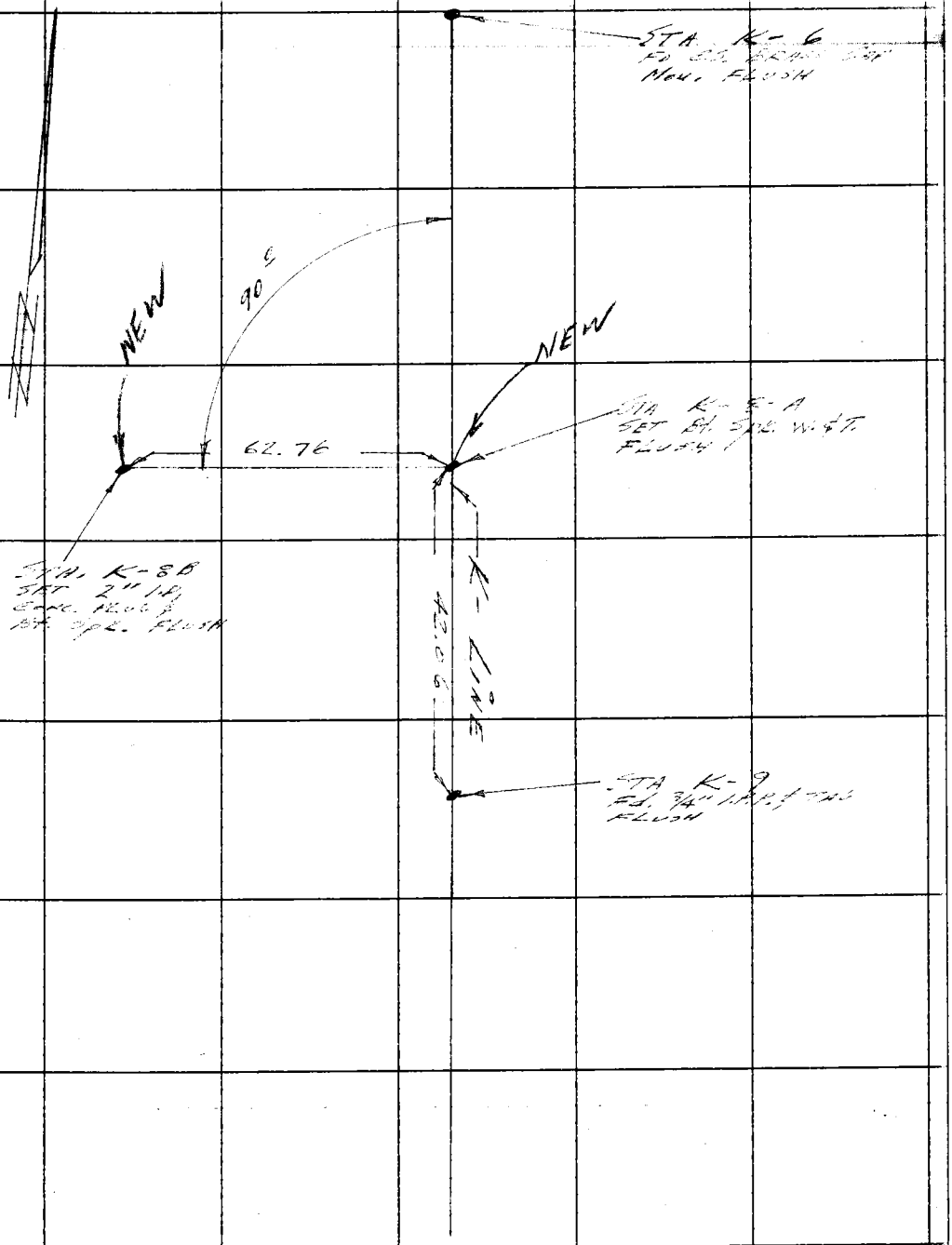
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by [illegible]	Survey of [illegible]
Map No.	JN 0021.04 Tape 153 Std 34 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 10-17-58
Date	Indexed C. Johnson 10-24-58

F. B. 750 PG. 171



CONT. TO Pg. 172

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

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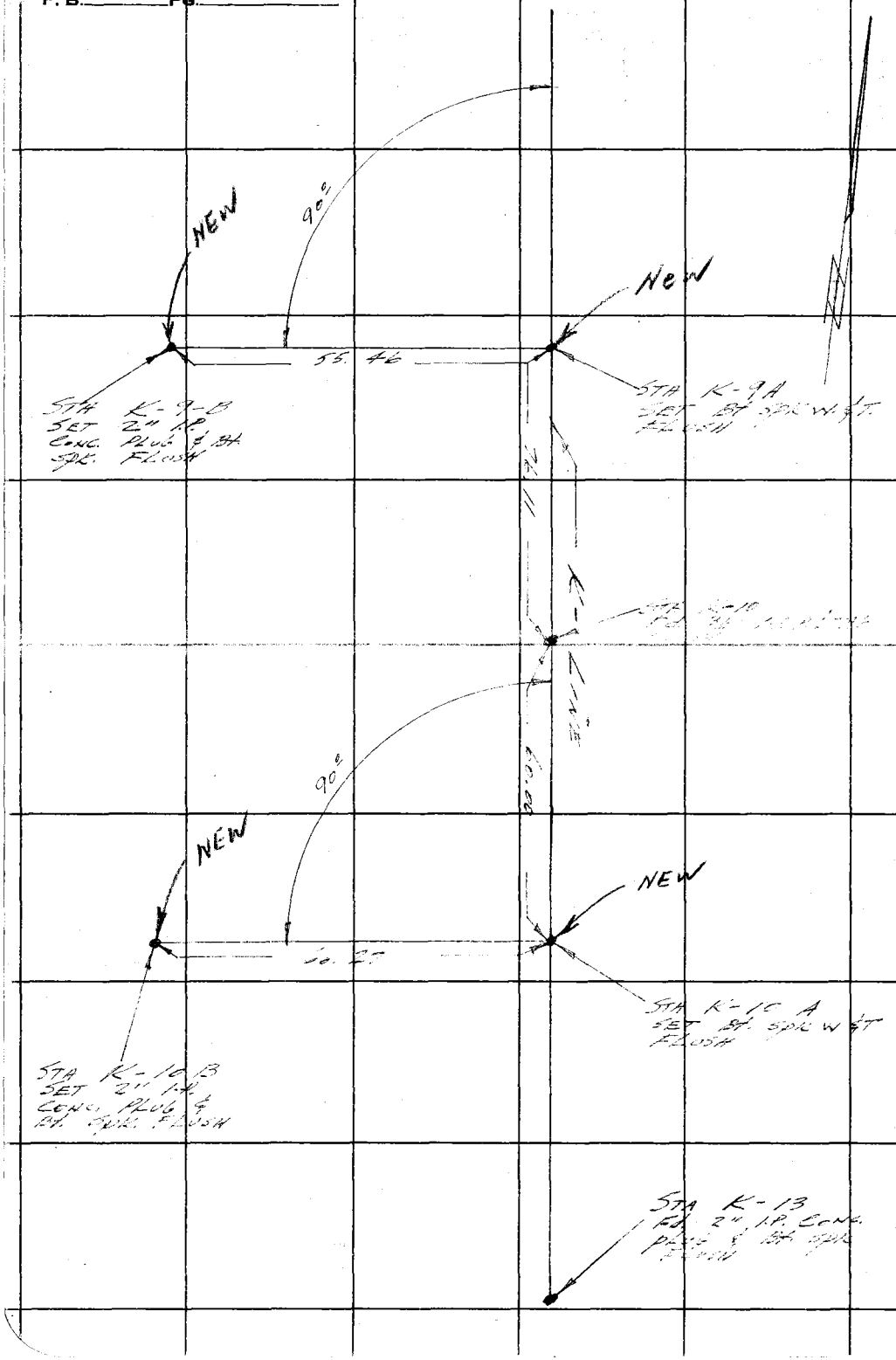
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

950 172 Cont. to Bott. Pg 171

F. B. _____ Pg. _____



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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of [illegible]	F. B. [illegible] PG. [illegible]
Map No.	JN [illegible] Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed E. I. CAUFF JUL 1 6 '63	

K- LINE

K- 10-B

DATE	MEAS. SHEAR	TOTAL SHEAR	PERIOD SHEAR
10-17-58	60.27	0.00	0.00
10-27-58	60.28	+0.01	+0.01
11-3-58	60.30	+0.03	+0.02
11-[illegible]-58	60.28	+0.01	-0.02
11-17-58	60.28	+0.01	0.00
11-24-58	60.28	+0.01	0.00
12-1-58	60.27	0.00	-0.01
12-9-58	60.27	0.00	0.00
12-15-58	60.31	+0.04	+0.04
12-22-58	60.31	+0.04	0.00
12-29-58	60.31	+0.04	0.00
1-5-59	60.30	+0.03	-0.01
1-12-59	60.30	+0.03	0.00
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
2-2-59	60.30	+0.03	0.00
[illegible]	[illegible]	+0.04	+0.01
[illegible]	[illegible]	[illegible]	0.00
2-24-59	60.31	+0.04	0.00
3-[illegible]-59	60.31	+0.04	0.00
3-9-59	60.31	+0.04	0.00
[illegible]	[illegible]	[illegible]	[illegible]
3-23-59	60.32	+0.05	+0.01
3-30-59	60.32	+0.05	0.00
4-6-59	60.32	+0.05	0.00
4-13-59	60.[illegible]	+0.04	-0.01
4-20-59	60.[illegible]	+0.04	0.00
4-27-59	60.30	+0.03	-0.01
5-4-59	60.30	+0.03	0.00
5-[illegible]-59	60.30	+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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RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

K- 10- B

F. B. _____ Pg. _____

DATE	DISTANCE	TOTAL SHEAR	PERIOD SHEAR
5-15-59	60.30	0.03	0.00
5-28-59	60.30	+0.03	0.00
[illegible]	[illegible]	[illegible]	[illegible]
6-8-59	60.30	+0.03	0.00
6-15-59	60.30	+0.03	0.00
6-22-59	60.30	+0.03	0.00
6-29-59	60.30	+0.03	0.00
7-7-59	60.30	+0.03	0.00
7-13-59	60.30	+0.03	0.00
7-20-59	60.30	+0.03	0.00
7-31-59	60.30	+0.03	0.00
[illegible]	[illegible]	[illegible]	[illegible]
9-4-59	60.30	+0.03	0.00
9-11-59	60.30	+0.03	0.00
10-9-59	60.30	+0.03	0.00
10-23-59	60.30	+0.03	0.00
11-27-59	60.30	+0.03	0.00
[illegible]	NO	CHANGE	
1-4-60	NO	CHANGE	
1-18-60	NO	CHANGE	
2-1-60	NO	CHANGE	
2-15-60	NO	CHANGE	
2-29-60	NO	CHANGE	
[illegible]	NO	CHANGE	
[illegible]	NO	CHANGE	
3-30-60	NO	CHANGE	
4-4-60	NO	CHANGE	
[illegible]	NO	CHANGE	
5-3-60	NO	CHANGE	

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	F. B. 959 PG. 175
Map No.	JN [illegible] Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed [redacted] J. GALLI JUL 1 6 [redacted]	

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

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

76F309S CE #247—3-57

K- LINE

K- [illegible]

DATE	MEAS. SHEAR	TOTAL SHEAR	PERIOD SHEAR
10-[illegible]-58	[illegible]	0.00	0.00
10-27-58	[illegible]	+0.01	[illegible]
[illegible]-2-58	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible] 50	+0.04	0.00
11-24-58	55.50	+0.09	0.00
12-1-58	55.46	0.00	-0.04
12-9-58	55.46	0.00	0.00
12-15-58	55.49	+0.03	+0.03
12-22-58	55.49	+0.03	0.00
[illegible]	55.47	+0.03	0.00
1-5-59	55.50	+0.06	0.03
1-12-59	[illegible]	+0.04	-0.02
1-19-59	[illegible]	[illegible]	[illegible]
1-26-59	55.51	+0.05	[illegible]
2-2-59	55.50	+0.02	-0.01
2-9-59	[illegible]	[illegible]	[illegible]
2-16-59	[illegible]	[illegible]	[illegible]
2-23-59	[illegible]	[illegible]	[illegible]
3-2-59	[illegible]	[illegible]	0.00
3-9-59	55.53	+0.07	0.00
[illegible]	[illegible]	[illegible]	0.00
3-23-59	55.51	+0.05	-0.02
3-30-59	55.51	+0.05	-0.02
4-6-59	55.49	+0.03	0.00
4-13-59	[illegible]	[illegible]	[illegible]
4-20-59	[illegible]	[illegible]	[illegible]
4-21-59	55.51	+0.05	+0.02
5-4-59	55.[illegible]	+0.05	0.00
5-11-59	55.51	+0.05	0.00

K-9-B

F. B. _____ Pg. _____

DATE	MEAS. OFFSET	TOTAL SHEAR	PER 100 SHEAR
5-15-59	55.51	+0.05	0.00
5-25-59	55.50	+0.04	0.01
6-1-59	55.50	+0.04	0.00
6-5-59	55.50	+0.04	0.00
6-15-59	55.50	+0.04	0.00
6-22-59	55.50	+0.04	0.00
6-29-59	55.50	+0.04	0.00
7-7-59	55.50	+0.04	0.00
7-13-59	55.50	+0.04	0.00
7-20-59	55.50	+0.04	0.00
7-31-59	55.50	+0.04	0.00
8-10-59	55.50	+0.04	0.00
9-4-59	55.51	+0.05	+0.01
9-11-59	55.51	+0.05	+0.00
10-5-59	55.51	+0.05	0.00
10-27-59	55.51	+0.05	0.00
11-23-59	55.51	+0.05	0.00
12-[illegible]	NO	CHANGE	
1-4-60	NO	CHANGE	
1-18-60	NO	CHANGE	
2-1-60	NO	CHANGE	
2-8-60	NO	CHANGE	
2-24-60	NO	CHANGE	
3-3-60	NO	CHANGE	
3-18-60	NO	CHANGE	
3-30-60	NO	CHANGE	
4-4-60	NO	CHANGE	
4-[illegible]-60	NO	CHANGE	
5-3-60	NO	CHANGE	

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 [illegible]	F. B. 950 Pg. 177
Map No.	JN [illegible] Tape Std °F	
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date JUL 1 6 [illegible]	
Date	Indexed C. J. GALM JUL 1 6 [illegible]	

K- [illegible]

K- 8-B

DATE	MEAS SHEAR	TOTAL SHEAR	PERIOD SHEAR
[illegible]	62.76	0.00	0.00
11-27-58	62.76	0.00	0.00
11-3-58	[illegible]	+0.02	+0.02
[illegible]	[illegible]	+0.06	+0.06
[illegible]	[illegible]	+0.08	0.00
11-24-58	62.80	+0.04	-0.04
12-1-58	62.76	+0.00	-0.04
12-9-58	62.76	0.00	0.00
[illegible]	[illegible]	+0.03	+0.03
12-22-58	62.77	+0.01	-0.02
[illegible]	[illegible]	[illegible]	+0.02
[illegible]	[illegible]	[illegible]	0.00
1-12-59	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	+0.04	0.00
[illegible]	62.79	+0.03	-0.01
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0.00
[illegible]	62.80	+0.04	0.00
[illegible]	[illegible]	[illegible]	[illegible]
3-9-59	62.80	+0.04	0.00
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	62.80	+0.04	0.00
[illegible]	[illegible]	[illegible]	[illegible]
4-6-59	[illegible]	[illegible]	0.00
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	62.80	+0.04	0.00
5-4-59	62.80	+0.04	0.00
[illegible]	[illegible]	+0.04	[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.

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

K-8-B

F. B. _____ Pg. _____

DATE	MEAS. OFFSET	TOTAL SHEAR	PERIOD SHEAR
5-15-59	62.80	+0.04	0.00
5-19-59	62.80	+0.04	0.00
5-[illegible]-59	62.80	+0.04	0.00
6-8-59	62.80	+0.04	0.00
6-15-59	62.80	+0.04	0.00
6-22-59	62.78	+0.02	-0.02
6-29-59	62.78	+0.02	0.00
7-7-59	62.78	+0.02	0.00
7-13-59	62.78	+0.02	0.00
7-20-59	62.78	+0.02	0.00
7-31-59	62.78	+0.02	0.00
8-[illegible]-59	62.78	+0.02	0.00
9-4-59	62.78	+0.02	0.00
9-11-59	62.78	+0.02	0.00
9-[illegible]-59	62.79	+0.03	0.00
10-[illegible]-59	62.79	+0.03	0.00
10-27-59	62.79	+0.03	0.00
[illegible]	[illegible]	[illegible]	[illegible]
12-29-59	No	CHANGE	
1-4-60	No	CHANGE	
1-18-60	No	CHANGE	
2-1-60	No	CHANGE	
2-15-60	No	CHANGE	
2-22-60	No	CHANGE	
3-2-60	No	CHANGE	
3-15-60	No	CHANGE	
3-30-60	No	CHANGE	
4-4-60	No	CHANGE	
4-11-60	No	CHANGE	
5-3-60	No	CHANGE	

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

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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. 0021.64 Tape No. St'd. °F
Office Work	Surveyed by LIND
Checked	Notes LIND Date 11-17-58
Date	Indexed E. J. GALLI JUL 16 '63

F. B. 950 PG. 179

[illegible] pg 90

COMPARISON SHEET
"A" LINE A-3 TO A-4

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
11-17-58	250.[illegible]	+1.27	0.00	+47.31	+0.33
11-24-58	250.90	+1.29	+0.02	+47.62	0.31
12-2-58	250.93	+1.32	+0.03	+47.94	0.32
12-9-58	250.96	+1.35	+0.03	+48.24	0.30
[illegible]	[illegible]	+1.48	+0.13	+48.38	0.14
12-22-58	251.09	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	251.12	+1.51	[illegible]	[illegible]	[illegible]
1-5-59	251.[illegible]	+1.55	+0.04	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	251.22	+1.61	0.0[illegible]	[illegible]	[illegible]
2-[illegible]	251.[illegible]	+1.62	+0.01	[illegible]	0.3[illegible]
2-9-59	251.25	+1.65	+0.03	+50.82	0.33
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	251.[illegible]	+1.64	+0.02	[illegible]	0.3[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	251.39	+1.79	+0.04	+52.03	+0.28
3-16-59	251.43	+1.83	+0.04	+52.34	+0.31
3-23-59	251.48	+1.88	+0.05	+52.64	+0.30
3-30-59	251.49	+1.89	+0.01	+52.91	+0.27
4-6-59	251.55	[illegible]	+0.06	+53.16	+0.25
4-13-59	251.[illegible]	+1.99	+0.04	[illegible]	+0.27
4-20-59	[illegible]	+2.04	+0.05	[illegible]	+0.28
4-27-59	251.65	+2.0[illegible]	+0.02	[illegible]	+0.32
5-4-59	251.[illegible]	+2.09	+0.0[illegible]	[illegible]	+0.25
5-11-59	251.70	+2.11	[illegible]	+54.58	+0.30
5-15-59	251.72	+2.13	+0.02	+54.76	+0.18
5-25-59	251.72	+2.15	+0.02	+55.04	+0.28
[illegible]	251.93	+2.36	+0.21	+55.35	+0.31
6-8-59	251.94	+2.37	+0.01	+55.59	+0.24
[illegible]	251.98	+2.41	+0.04	+55.81	+0.22
6-22-59	251.98	+2.41	0.00	+56.12	+0.31

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

76F309S S&E #247. 8-54

F. B. 950 Pg. 180 A-3 TO A-4

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
6-24-59	251.98	+2.41	0.00	56.57	+0.25
7-7-59	252.00	+2.43	+0.02	56.[illegible]	+0.24
7-13-59	252.07	+2.50	+0.07	56.88	+0.47
7-20-59	252.10	+2.53	+0.03	57.13	+0.25
7-31-59	252.15	+2.60	+0.07	57.51	+0.38
[illegible]	252.24	+2.69	[illegible]	57.81	+0.30
9-4-59	252.30	+2.72	+0.06	57.72	+0.91
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10-21-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11-23-59	252.68	+3.10	+0.09	61.44	+0.86
12-23-59	252.85	+3.27	+0.17	62.49	+1.05
1-4-60	252.90	+3.32	+0.05	62.74	+0.25
1-18-60	252.93	+3.35	+0.03	62.[illegible]	+0.16
2-1-60	253.09	+3.51	+0.16	63.47	+0.17
2-[illegible]-60	253.15	+3.57	+0.06	63.[illegible]	+0.55
2-24-60	253.23	+3.65	+0.08	63.[illegible]	+0.27
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3-30-60	253.36	[illegible]	[illegible]	[illegible]	[illegible]
4-4-60	253.36	[illegible]	[illegible]	[illegible]	[illegible]
4-11-60	253.37	+3.81	+0.03	63.20	+0.07
4-18-60	253.37	+3.81	+0.00	63.21	+0.21
4-26-60	253.54	+3.96	+0.15	63.48	+0.27
5-3-60	253.55	+3.97	+0.01	63.66	+0.18
5-10-60	253.59	+4.00	+0.03	63.86	+0.20
5-18-60	253.63	+4.05	+0.05	63.87	+0.21
6-6-60	253.70	+4.12	+0.07	63.[illegible]	+0.55
6-20-60	253.78	+4.15	+0.03	67.92	+0.34
7-7-60	253.78	+4.19	+0.04	68.37	+0.41
8-22-60	253.97	+4.39	+0.19	69.38	+1.01
8-29-60	254.05	+4.46	+0.07	69.60	+0.22
9-15-60	254.12	+4.53	+0.07	69.93	+0.33
10-4-60	254.17	+4.58	+0.05	70.25	+0.32
10-18-60	254.22	+4.63	+0.05	70.66	+0.41
10-24-60	254.27	+4.68	+0.05	70.[illegible]	+0.10
11-14-60	254.32	+4.73	+0.05	70.[illegible]	+0.49
12-12-60	254.45	+4.86	+0.13	71.[illegible]	+0.60
12-20-60	254.47	+4.88	+0.02	71.99	+0.15

Cont. on Pg. 241

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Notes Ck'd by	Survey of [illegible]
Map No.	W. O. [illegible] Tape No. ____ St'd. ____ °F
Office Work	Surveyed by
Checked	Notes [illegible] Date 11-17-[illegible]
Date	Indexed C. J. GALLI JUL 1 6 '63

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

[illegible] FROM [illegible]

J - LINE

J-5 TO SHIELDS

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SPEAR	PERIOD SPEAR
11-17-58	274.85	+16.45	+0.13	+36.03	+0.17
11-24-58	274.99	+16.59	+0.14	+36.23	+0.20
12-1-58	275.11	+16.71	+0.12	+36.42	+0.19
12-9-58	275.19	+16.79	+0.08	+36.60	+0.18
[illegible]	275.[illegible]	+16.86	+0.[illegible]	+36.92	+0.32
12-22-58	275.[illegible]	+17.03	+0.17	+37.08	+0.16
[illegible]	275.[illegible]	+17.13	+0.10	+37.32	+0.24
1-5-59	275.[illegible]5	+17.[illegible]	+0.12	+37.[illegible]	+0.2[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1-2[illegible]-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-2-59	276.12	+17.72	+0.14	+38.[illegible]	+0.16
2-9-59	276.30	+17.[illegible]	+0.10	+38.[illegible]	+0.[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	+38.7[illegible]	+0.66
2-24-59	276.61	+18.[illegible]	+0.[illegible]	+39.13	+0.23
3-[illegible]-59	276.[illegible]	+18.[illegible]	+0.[illegible]	+39.[illegible]	+0.20
3-7-59	276.72	+18.32	+0.10	+39.66	+0.27
3-[illegible]-59	276.89	+18.47	+0.17	+40.04	+0.44
3-23-59	277.04	+18.64	+0.15	+40.[illegible]	+0.35
[illegible]	277.[illegible]	+18.[illegible]	[illegible]	+40.50	+0.11
4-6-59	277.27	+18.87	+0.16	+40.54	+0.04
[illegible]	277.40	+19.[illegible]	[illegible]	+40.[illegible]	+0.10
	277.52	+19.[illegible]	+0.12	+40.[illegible]	+0.12
4-27-59	277.[illegible]	+19.[illegible]	[illegible]	[illegible]	+0.[illegible]
5-4-59	277.65	+19.25	+0.05	+41.40	+0.30
5-11-59	277.80	+19.40	+0.15	+41.51	+0.11
5-15-59	277.90	+19.50	+0.10	+41.6[illegible]	+0.14
5-25-59	278.[illegible]	+19.[illegible]	+0.[illegible]	+41.[illegible]	+0.20
6-1-59	278.14	+19.74	+0.[illegible]	+42.[illegible]	+0.27
6-8-59	278.31	+19.91	+0.17	+42.31	+0.19
6-15-59	278.[illegible]	+20.03	+0.12	+42.51	+0.20
6-22-59	278.44	+20.14	+0.11	+42.69	+0.18

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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F309S S&E #247. 8-54

F.B. 950 PG. 182

J-5 TO SHIELDS

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
6-29-59	278.55	+20.25	+0.11	42.87	+0.18
7-7-59	278.69	+20.39	+0.14	43.13	+0.26
7-13-59	278.97	+20.67	+0.28	43.27	+0.14
7-20-59	[illegible]	[illegible]	+0.16	43.45	+0.18
7-31-59	279.13	+20.83	0.00	43.80	+0.35
8-10-59	279.25	+20.95	+0.12	44.10	+0.30
9-4-59	279.53	+21.23	+0.28	44.68	+0.58
10-3-59	[illegible]	[illegible]	[illegible]	45.51	[illegible]
10-27-59	280.35	[illegible]	+0.40	[illegible]	+0.54
11-23-59	280.86	+22.66	+0.48	46.65	+0.60
12-28-59	281.13	+22.93	+0.27	47.52	+0.87
1-4-60	281.23	+23.03	+0.10	47.70	+0.18
1-18-60	281.40	+23.20	+0.17	48.06	+0.36
2-1-60	281.52	+23.36	+0.16	48.38	+0.32
2-15-60	281.84	+23.64	+0.28	48.78	+0.40
2-24-60	282.06	+23.88	+0.24	49.09	+0.31
3-[illegible]	[illegible]10	+23.90	+0.02	49.22	+0.1[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3-30-60	282.44	+24.24	+0.1[illegible]	49.13	[illegible]
4-4-60	282.51	+24.31	[illegible]	50.23	[illegible]
4-11-60	282.61	+24.41	+0.10	50.29	+0.06
4-18-60	282.69	+24.49	+0.08	50.38	+0.09
4-26-60	282.79	+24.59	+0.10	50.48	+0.10
5-3-60	282.87	+24.67	+0.08	50.63	+0.15
5-10-60	282.87	+24.67	0.00	50.80	+0.17
5-18-60	283.14	+24.94	+0.27	51.00	+0.20
6-6-60	283.19	+24.99	+0.05	51.35	+0.35
6-20-60	283.42	+25.22	+0.23	51.62	+0.27
7-7-60	283.64	+25.44	+0.22	51.90	+0.28
8-22-60	284.08	+25.88	+0.44	52.58	+0.68
8-29-60	284.08	+25.88	0.00	52.70	+0.12
9-15-60	284.26	+26.06	+0.18	53.02	+0.32
10-4-60	284.41	+26.21	+0.15	53.27	+0.25
10-18-60	284.58	+26.38	+0.17	53.51	+0.24
10-24-60	284.63	+26.43	+0.05	53.64	+0.13
11-[illegible]-60	284.83	+26.63	+0.20	53.78	+0.34
12-12-60	285.08	+26.88	+0.25	54.44	+0.46
12-20-60	285.12	+26.92	+0.04	54.53	+0.09

Contd on page 243

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

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

K - LINE

K - 3 A

DATE	TOTAL OFFSET	- 1.86	PER 100 OFFSET
11-17-58	+ 39.62	37.76	0.30
11-24-58	40.04	38.18	0.42
11-[illegible]-58	+ 40.5[illegible]	38.70	[illegible]
12-9-58	41.02	39.16	0.46
[illegible]	41.49	39.63	0.42
12-[illegible]-58	41.92	40.06	043
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
1-12-[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
1-[illegible]-59	44.33	[illegible]	[illegible]
2-[illegible]	[illegible]	[illegible]	0.5[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	0.48
3-2-59	46.51	[illegible]	[illegible]
3-9-59	47.40	45.54	0.53
[illegible]	47.94	[illegible]	0.54
3-23-59	[illegible]	46.53	0.45
3-30-59	48.81	[illegible]	[illegible]
[illegible]	49.34	47.48	0.47
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	48.11	0.45
5-4-59	51.3[illegible]	49.46	0.55
5-11-59	51.71	49.35	0.39
5-15-59	52.08	50.22	0.37
[illegible]	[illegible]	50.72	[illegible]
[illegible]	[illegible]	51.23	40.51
6-2-59	53.52	51.66	40.43
[illegible]	54.04	52.18	40.52

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76F309S S&E #247. 8-54

F.B. 950 PG. 184 "K-3A"

DATE	TOTAL OFFSET	(-1.86)	PERIOD LINE
6-22-59	54.44	52.58	0.40
6-29-59	54.75	52.81	0.31
7-7-59	55.27	53.41	0.52
7-13-59	55.57	53.71	0.30
7-20-59	55.89	54.03	0.32
7-31-59	56.35	54.49	0.46
8-10-59	[illegible]	[illegible]	[illegible]
9-3-59	58.50	56.64	1.65
9-11-59	59.00	57.14	0.50
10-[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
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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.	W. O. [illegible] Tape No. St'd. °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 11-17-58
Date	Indexed C. J. GALLI JUL 16 59

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

[illegible]

K-[illegible]

K-4 TO K-5

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL CHANGE	PERIOD CHANGE
11-17-58	273.60	+17.35	+0.16	+53.[illegible]	+0.38
11-24-58	273.76	+17.51	+0.16	53.40	0.34
12-7-58	273.93	+17.68	+0.17	53.71	0.31
12-9-58	273.98	+17.73	+0.05	54.20	0.41
12-[illegible]-58	274.20	+17.95	+0.22	54.[illegible]	0.32
12-22-58	274.29	+18.04	+0.09	54.85	0.33
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1-[illegible]-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1-26-59	275.07	+18.82	+0.16	56.72	0.34
2-[illegible]-59	[illegible]	+18.98	+0.16	57.15	0.43
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2-18-59	[illegible]	+19.07	+0.21	[illegible]	[illegible]
3-2-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3-9-59	276.17	+19.92	+0.18	59.28	0.40
3-16-59	[illegible]	+20.09	+0.17	59.67	0.39
3-23-59	276.52	+20.[illegible]	+0.15	60.11	0.44
3-30-59	276.[illegible]	[illegible]	+0.16	60.66	0.55
[illegible]	276.56	+20.61	+0.18	61.09	0.43
[illegible]	277.[illegible]	+20.[illegible]	+0.19	61.[illegible]	0.1[illegible]
[illegible]	277.22	+20.97	+0.17	[illegible]	0.28
[illegible]	277.37	+21.12	+0.15	[illegible]	0.42
4-4-59	277.52	+21.27	+0.15	[illegible]	0.46
5-11-59	277.72	+21.47	+0.20	62.76	0.36
5-18-59	277.84	+21.59	+0.12	63.01	0.25
5-25-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6-1-59	[illegible]	+21.74	+0.14	63.95	0.45
6-8-59	[illegible].26	+22.01	+0.07	64.[illegible]	0.28
6-15-59	[illegible].38	+22.13	+0.12	64.48	0.32
6-22-59	278.71	+22.46	+0.33	64.90	0.42

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 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. 950 PG. 186 K-4 TO K-5

DATE	DISTANCE	TOTAL CREEP	PERIOD CREEP	TOTAL CREEP	PERIOD CREEP
6-22-59	278.85	+22.64	0.14	65.22	0.32
7-[illegible]-59	279.03	+22.78	0.15	65.61	0.39
7-13-59	279.14	+22.89	0.11	65.89	0.28
7-20-59	[illegible]	[illegible]	0.16	66.26	0.37
7-31-59	279.[illegible]	+23.30	0.25	66.[illegible]	[illegible]
8-10-59	279.71	[illegible]	[illegible]	[illegible]	[illegible]
9-8-59	280.[illegible]	[illegible]	[illegible]	68.93	1.24
9-11-59	280.55	+24.30	0.21	69.[illegible]	0.43
10-29-59	281.66	+25.41	1.11	71.31	2.42
11-23-59	282.24	+25.99	0.58	72.40	1.09
12-28-59	282.93	+26.68	0.69	73.94	1.54
1-4-59	NO READ.				
1-18-60	283.28	+27.03	0.35	74.88	0.94
2-1-60	283.79	+27.54	0.51	75.61	0.73
2-15-60	284.1[illegible]	[illegible]	0.36	76.39	0.78
2-24-60	284.[illegible]	+28.13	0.21	76.83	0.44
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3-30-60	284.40	+28.[illegible]	+0.27	78.[illegible]	1.18
4-4-60	285.[illegible]	+29.00	+0.55	78.[illegible]	0.34
4-11-60	285.97	+29.12	+0.12	78.86	0.14
4-18-60	285.45	+29.20	+0.08	79.03	0.22
4-26-60	285.72	+29.47	+0.27	79.29	0.31
5-3-60	285.84	+29.59	+0.12	79.71	0.32
5-6-60	285.85	+29.60	+0.01	79.83	0.12
5-10-60	285.94	+29.69	+0.09	79.98	0.15
5-18-60	286.19	+29.94	+0.25	80.40	0.42
6-6-60	[illegible]	+30.21	+0.27	[illegible]	[illegible]
6-20-60	286.61	+30.36	+0.15	81.[illegible]	+0.81
7-7-60	287.01	+30.76	+0.40	82.04	+0.64
8-22-60	287.64	+31.39	+0.63	83.40	+1.36
8-29-60	287.73	+31.48	+0.09	83.64	+0.24
9-15-60	287.73	+31.73	+0.25	84.13	+0.49
10-4-60	288.30	+32.05	+0.32	84.59	+0.46
10-18-60	288.46	+32.21	+0.16	85.06	+0.47
10-24-60	288.59	+32.34	+0.13	85.24	+0.18
12-12-60	289.34	+33.09	+0.75	86.68	+1.44
12-20-60	289.46	+33.21	+0.12	86.94	+0.26

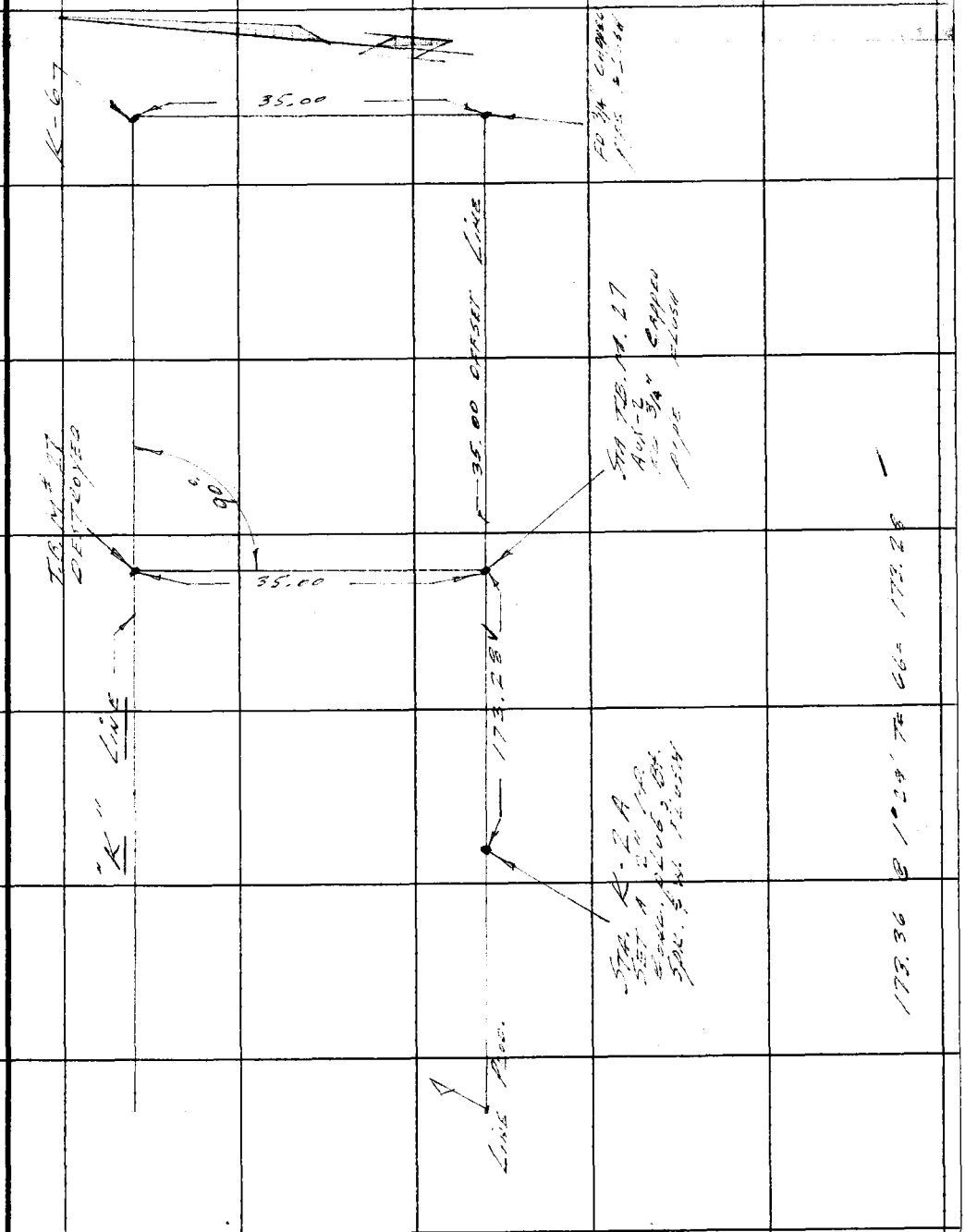
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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.	JN 0021.64 Tape Std 3-[illegible] °F
Office Work	Surveyed by [illegible]
Checked J. F. McMILLAN	Notes [illegible] Date 2-17-59
Date	Indexed [illegible] C. Johnson 2-26-59

F. B. 450 PG. 18[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.

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

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

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

Do not extend notes this side of this line.

F. B. 950 PG. 138

Notes Ck'd by	Survey of	F. B. [illegible] PG. [illegible]
Map No.	JN [illegible] Tape Std °F	
Office Work	Surveyed by	
Checked	Notes [illegible] Date [illegible]	
Date	Indexed C. J. GALLI	

K- Line

K-2A TO TEM 27 AUG 2

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
2-17-59	173.20	0.00	0.00	0.00	0.00
2-24-59	173.30	+0.10	+0.10	+0.72	+0.72
3-2-59	173.30	+0.10	0.00	+1.30	+0.58
3-9-59	173.30	+0.10	0.00	+1.88	+0.58
3-16-59	173.23	+0.03	-0.07	+2.48	+0.60
3-23-59	173.25	+0.05	+0.02	+2.94	+0.46
3-30-59	173.30	+0.10	+0.05	+3.46	+0.52
4-6-59	173.30	+0.10	0.00	+3.95	+0.49
4-[illegible]	[illegible]	+0.10	0.00	+4.45	+0.50
4-20-59	[illegible]	+0.10	0.00	+4.82	+0.37
[illegible]	173.30	+0.10	0.00	+5.27	+0.45
5-4-59	173.35	+0.10	0.00	+5.74	+0.47
5-11-59	173.33	+0.13	+0.03	+6.17	+0.43
5-15-59	173.33	+0.13	0.00	+6.47	+0.30
[illegible]	[illegible]	[illegible]	0.00	+7.00	+0.33
6-1-59	173.38	+0.18	+0.05	+7.43	+0.43
6-8-59	173.38	+0.18	0.00	+7.80	+0.37
6-15-59	173.38	+0.18	0.00	+8.25	+0.45
6-22-59	173.41	+0.21	+0.03	+8.62	+0.37
6-29-59	173.41	+0.21	0.00	+8.99	+0.37
7-7-59	173.41	+0.21	0.00	+9.31	+0.32
7-13-59	173.44	+0.24	+0.03	+9.68	+0.37
7-20-59	173.44	+0.24	0.00	+10.04	+0.36
7-31-59	173.49	+0.29	+0.05	+10.60	+0.56
8-10-59	173.49	+0.29	0.00	+11.00	+0.40
9-3-59	173.53	+0.33	+0.04	+12.46	+1.46
9-11-59	173.57	+0.37	+0.04	+12.91	+0.45.

No MORE MEAS. QUEUE DISTRUCTION OF [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.

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

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

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

Do not extend notes this side of this line.

F. B. 250 PG. 190

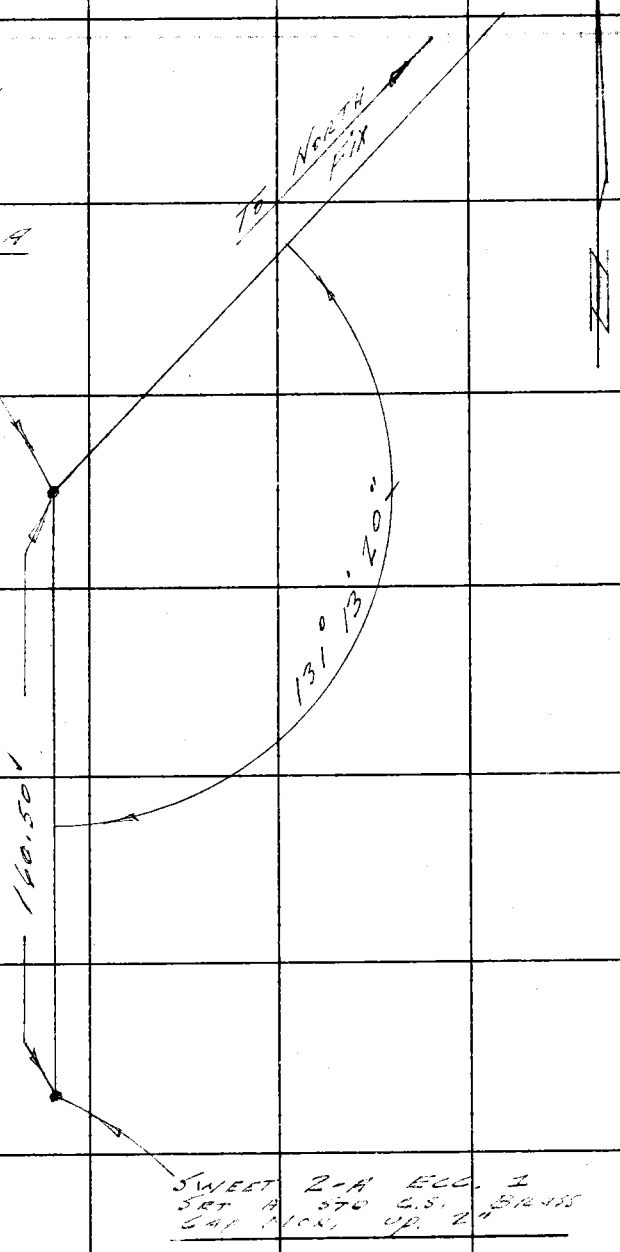
Notes Ck'd by	Survey of Port. Bend Landslide
Map No.	JN [illegible] Tape Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 4-15-59
Date	Indexed J. C. Johnson 4-15-59

F. B. 950 PG. 191

1. 131° 13' 15"
4. 164 53 00
6. 67 20 00
AV. 131° 13' 20"

SWEET BAY 2-A

F.B. 949-188



61.02' @ 0°00' T=78 = 61.02'
99.56 @ 2°20' T=78 = 99.48'
TOTAL = 160.50'

SWEET 2-A ECC. 1
SET A STD C.S. BRASS
CAP MON. UP. 2"

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

Do not extend notes this side of this line.

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

76309S CE #247—7-59

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

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

Do not extend notes this side of this line.

F. B. 950 PG. 142

Notes Ck'd by [illegible]	Survey of [illegible]
Map No.	JN [illegible] Tape Std 54 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson 5-11-59

F. B. 950 PG. 193

LOCATION OF CONTOURS

IN

PORTUGUESE BEND AREA

MAY 1959

[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.

Do not extend notes this side of this line.

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

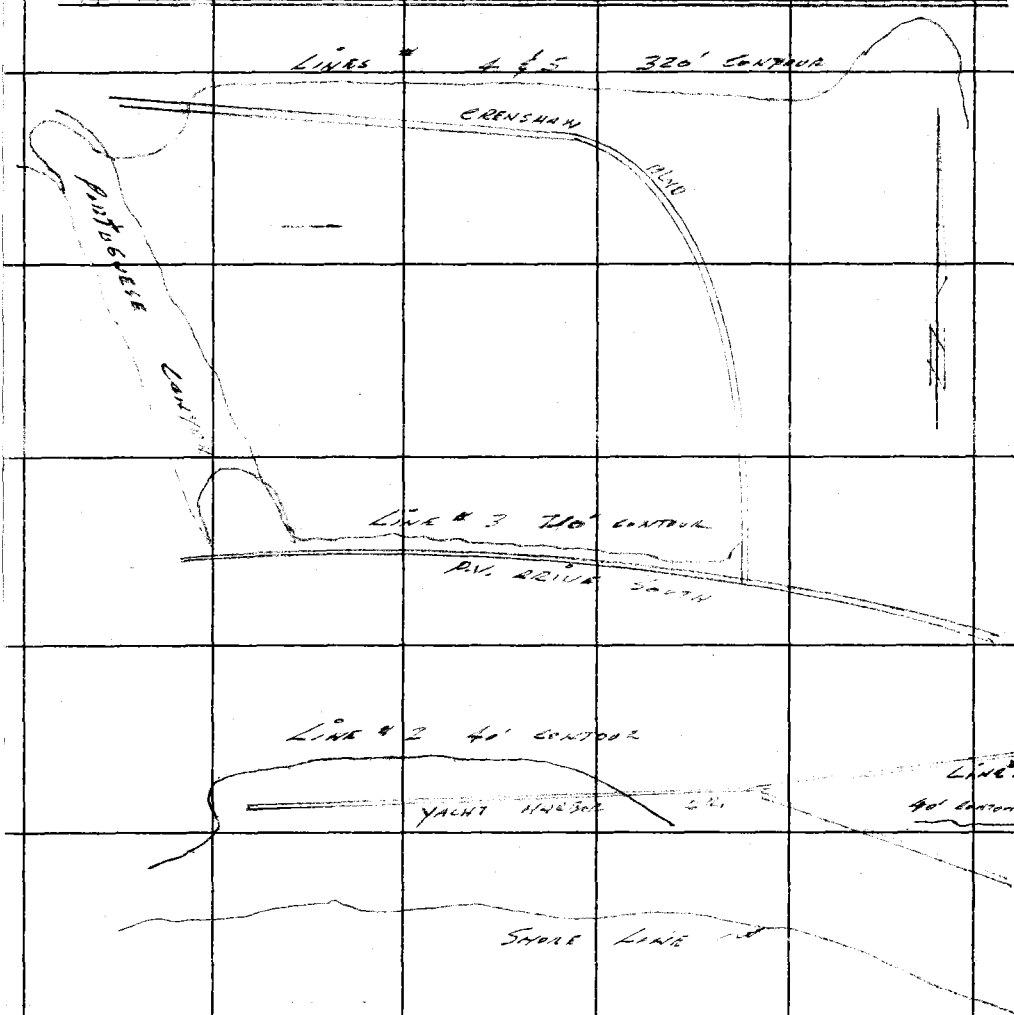
763098 CE #247 7-53

F. B. 750 PG. 194

CONTROL FOR

INDEX

LINE # 1	SEE PG'S	195 & 203
# 2		196 & 197
# 3		198 & 199
# 4		200 & 201
# 5		202



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

Do not extend notes this side of this line.

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

763098 CE #247—7-53

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

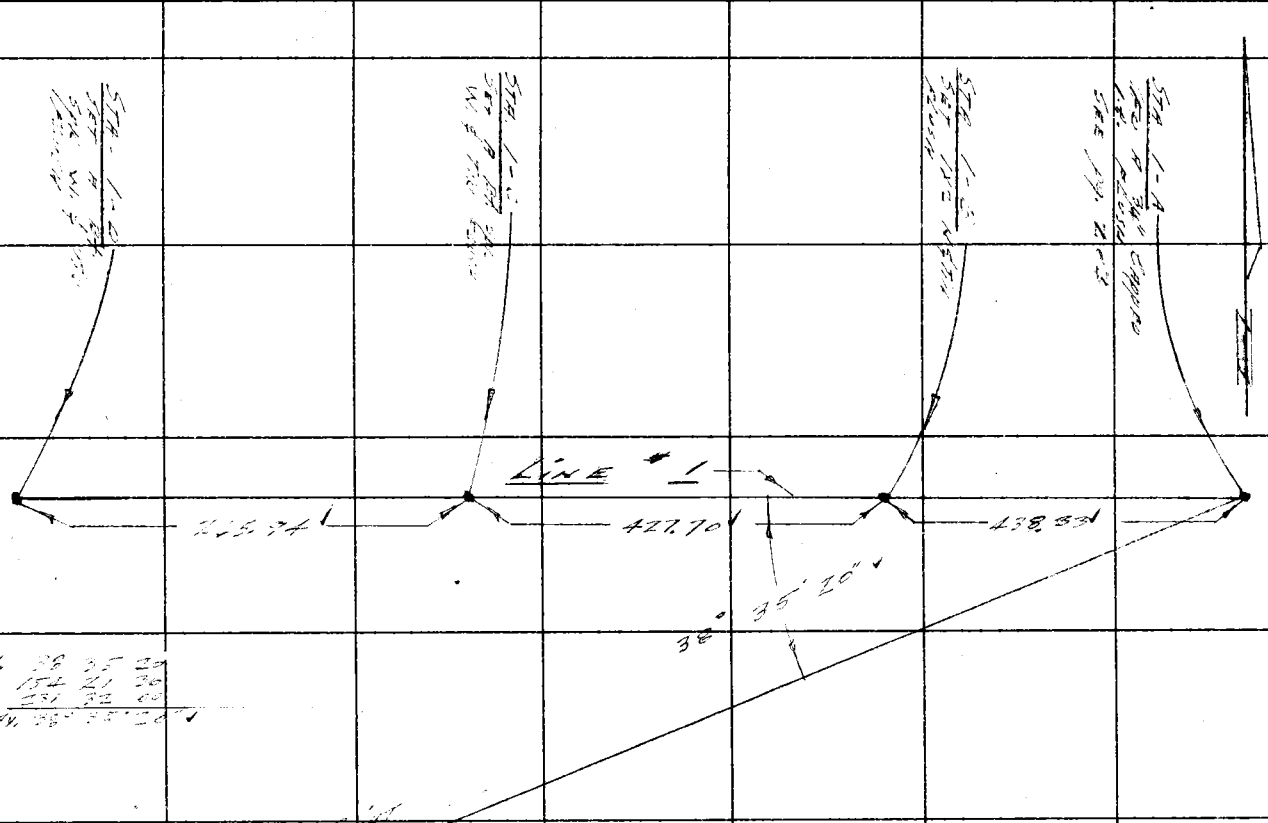
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

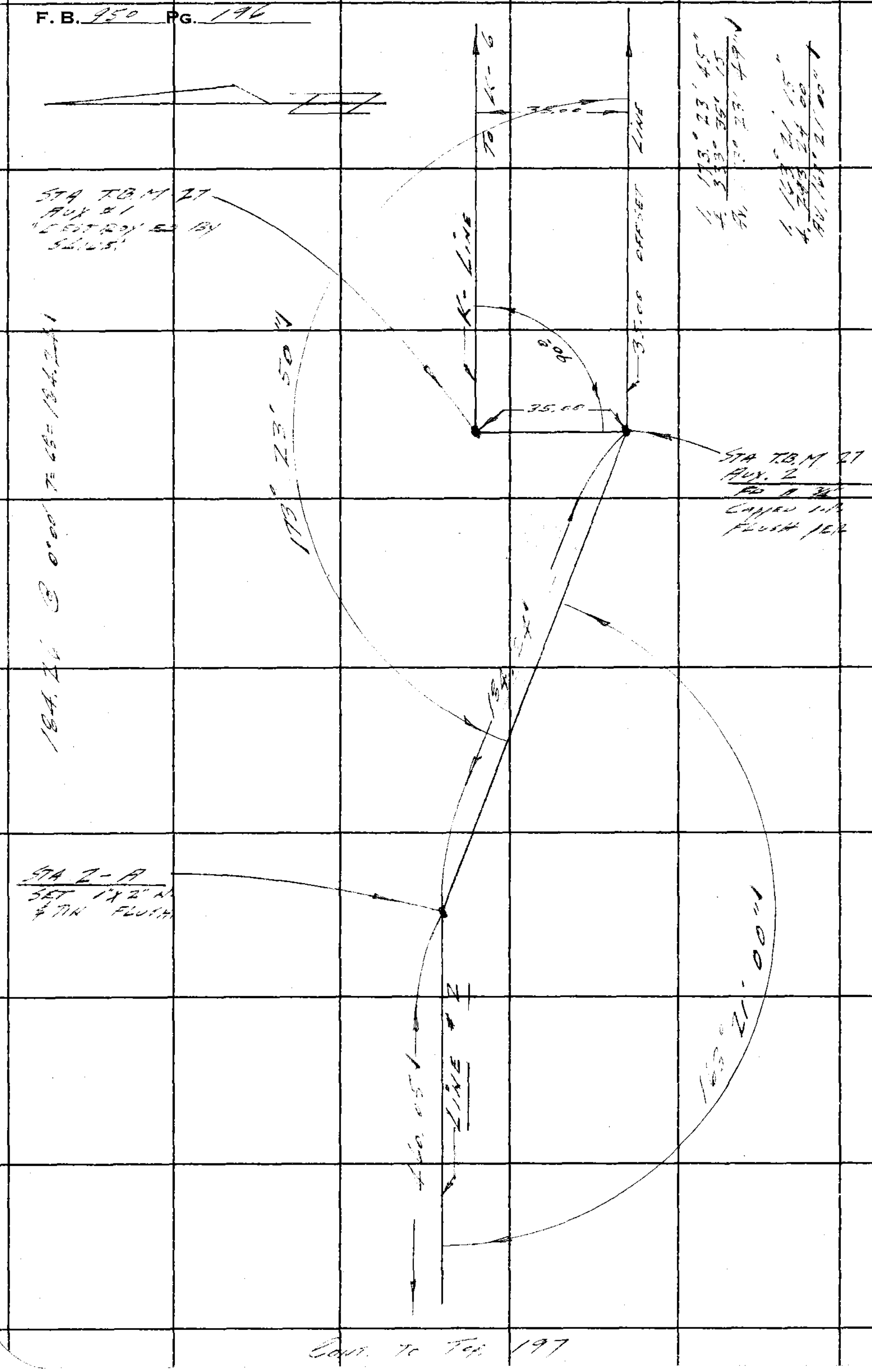
Notes Ck'd by C. R. COSS
Map No.
Office Work
Checked
Date

Survey of
JN
Tape
Std.
°F
Surveyed by
Notes
Date
Indexed
A. C. Johnson

F. B.
PG.



F. B. 950 Pg. 196



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

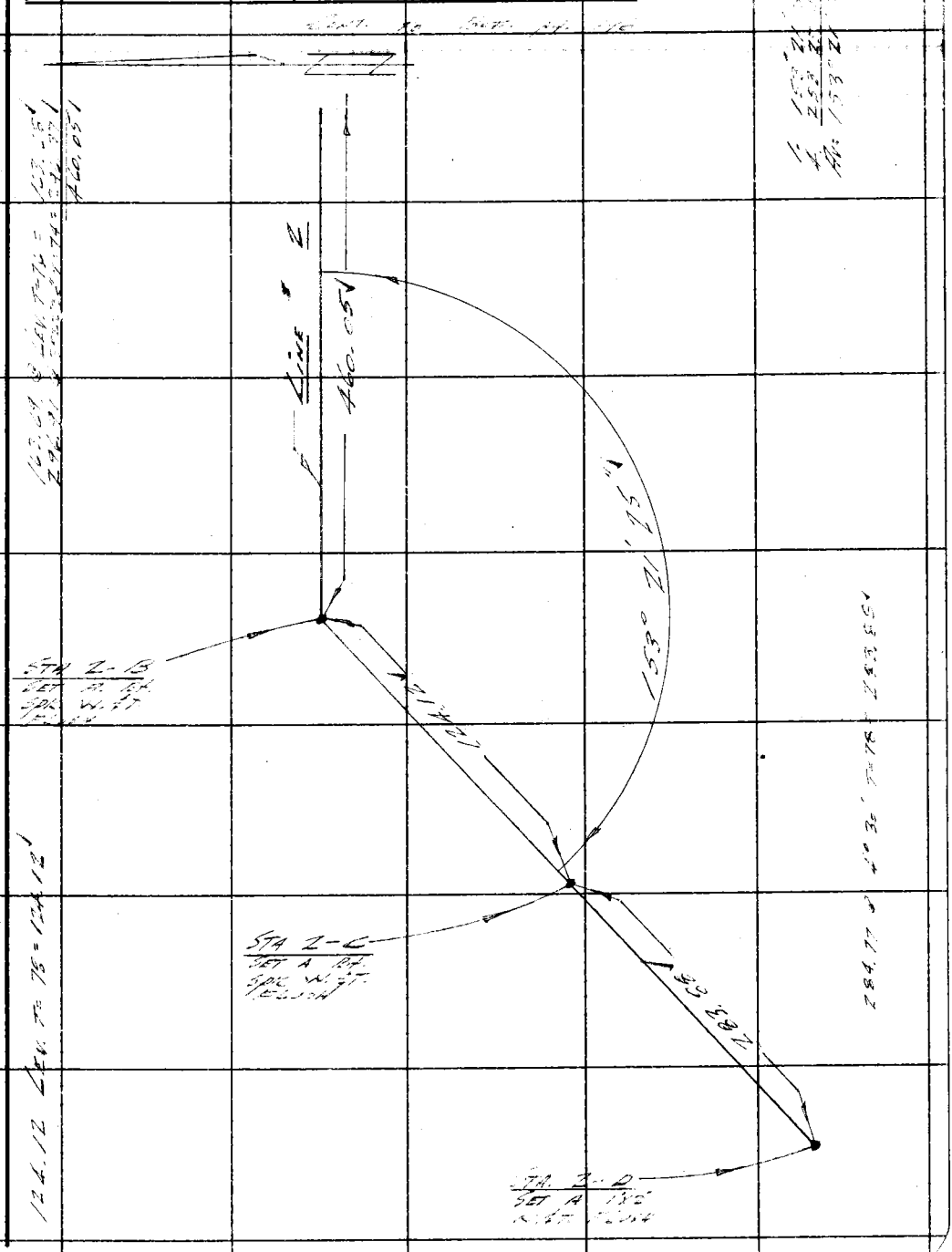
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

Cont. to Pg. 197

Notes Ck'd by C. R. GOSS	Survey of [illegible]
Map No.	JN [illegible] Tape Std 34 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. Johnson

F. B. 950 PG. 197



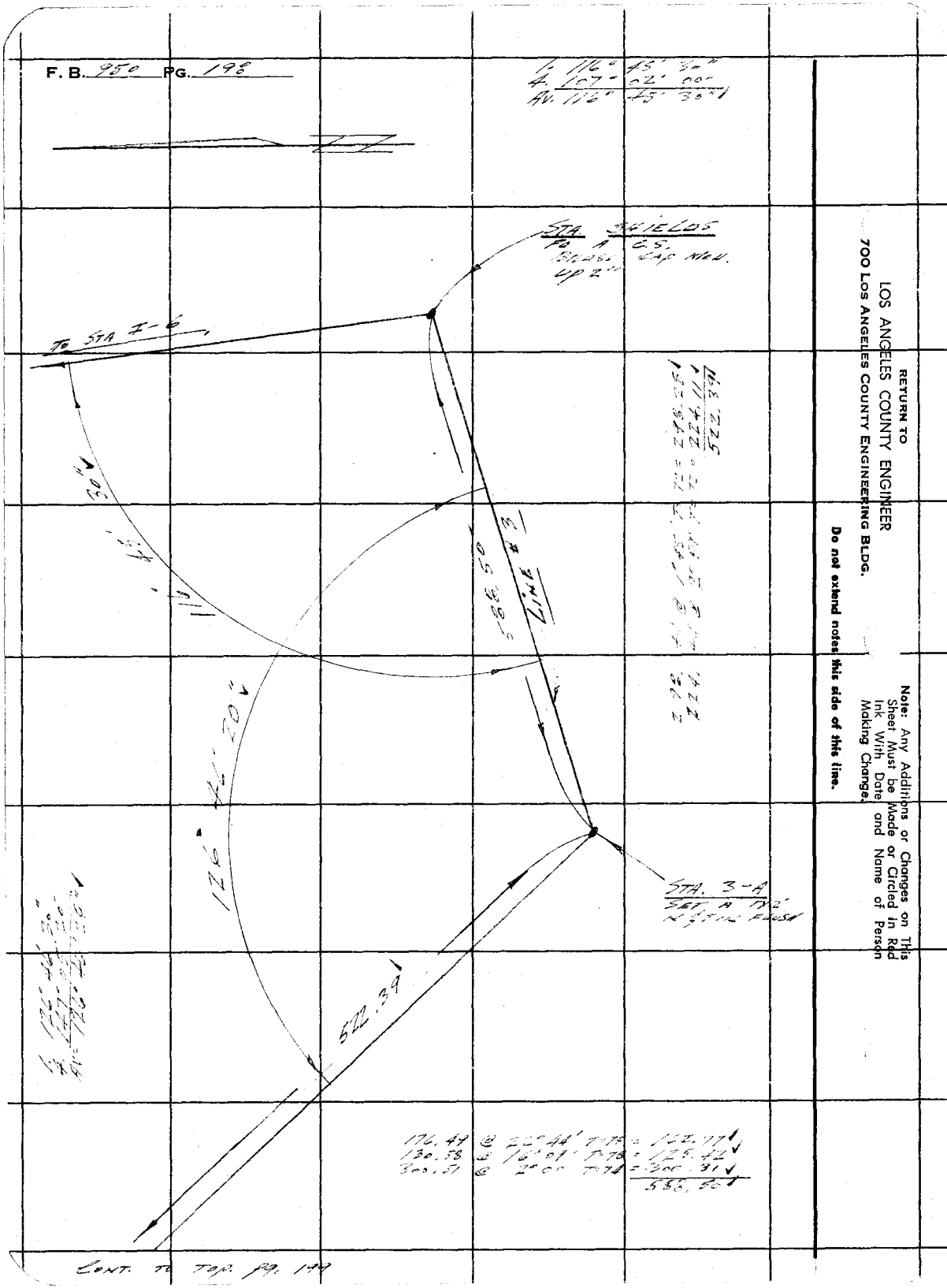
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

763095 CE #247—7-53

F. B. 950 PG. 198



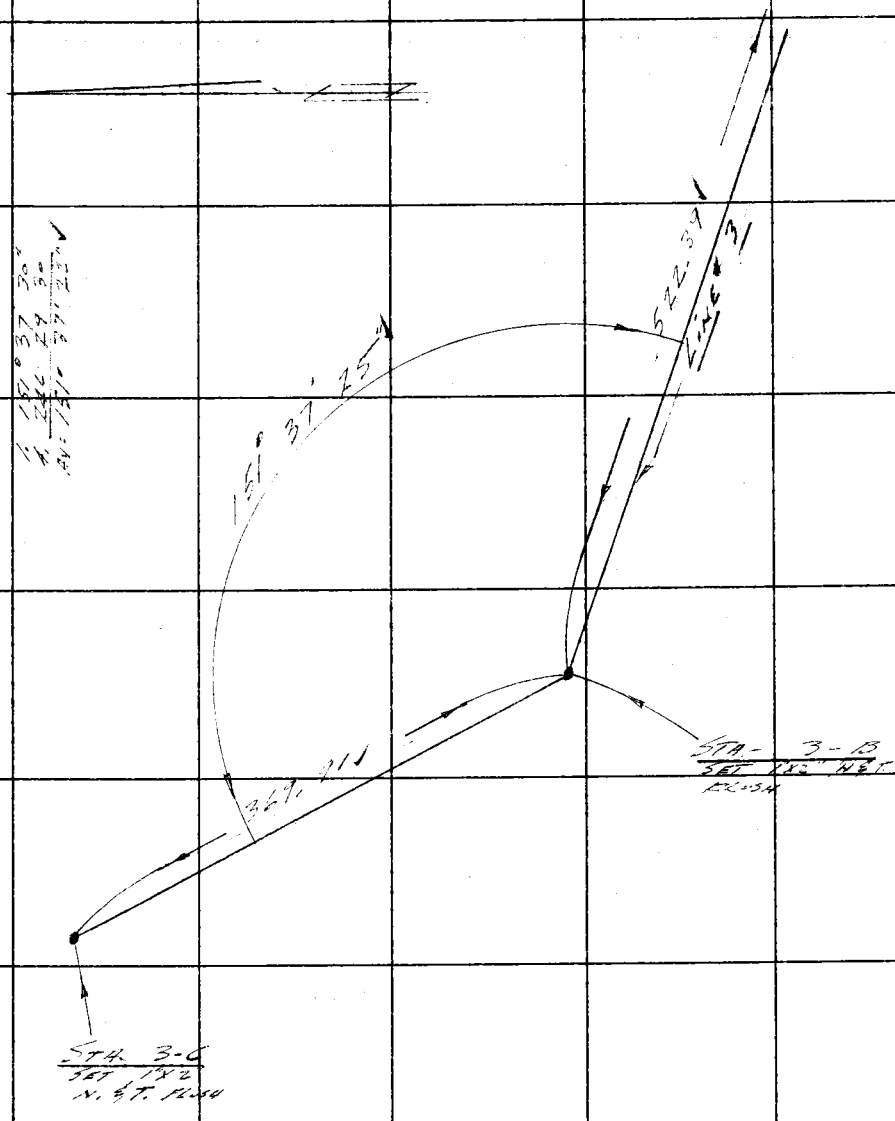
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

Notes Ck'd by C. R. GOSS	Survey of [illegible]
Map No.	JN 0121.64 Tape Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson

F. B. 950 PG. 199



297.30 @ 3°26' T= 74 = 296.74
74.12 @ 9°15' T= 14 = 73.17
369.91

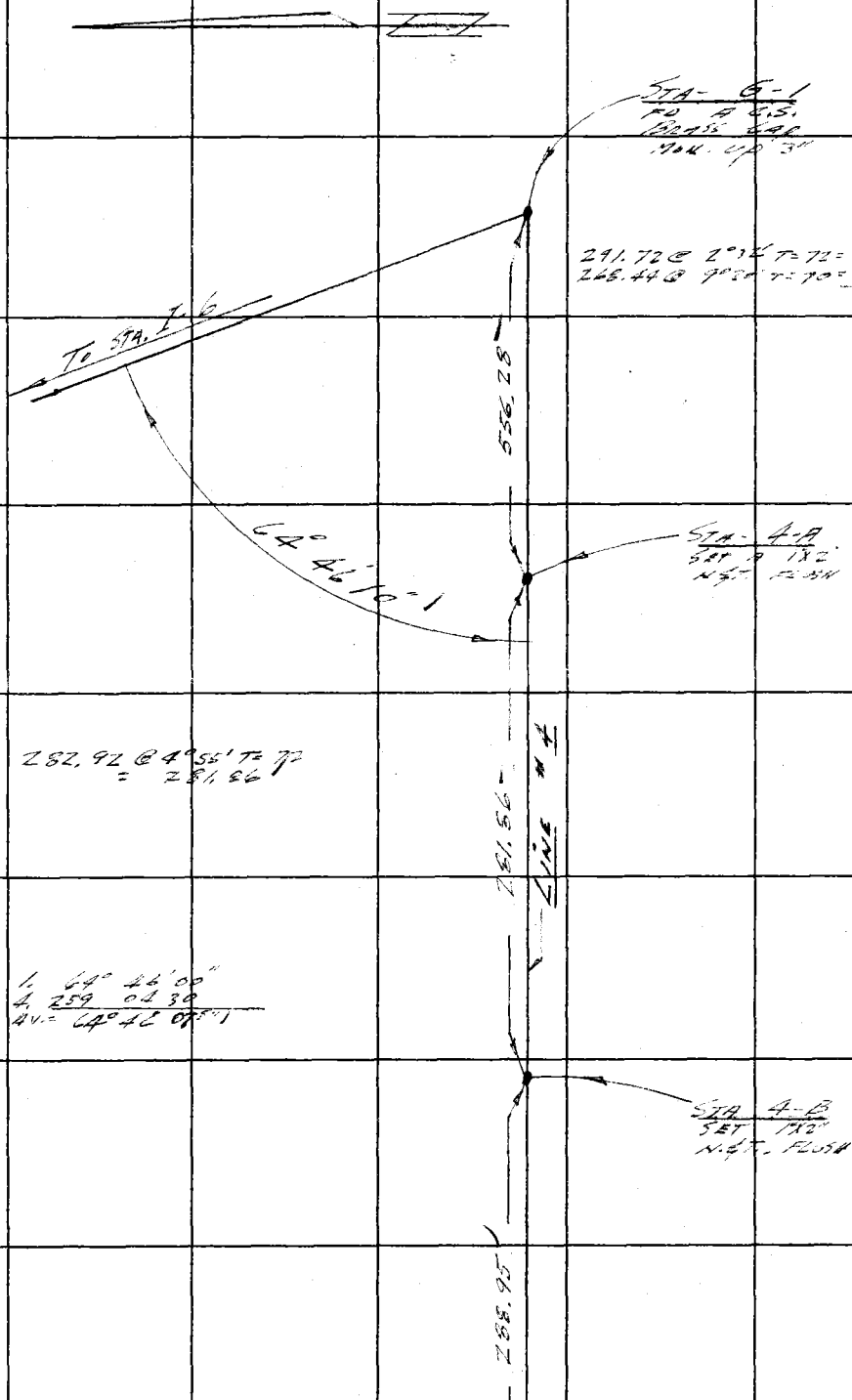
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

763098 CE #247—7-59

F. B. 950 PG. 200



CONT. TO TOP. PG. 201

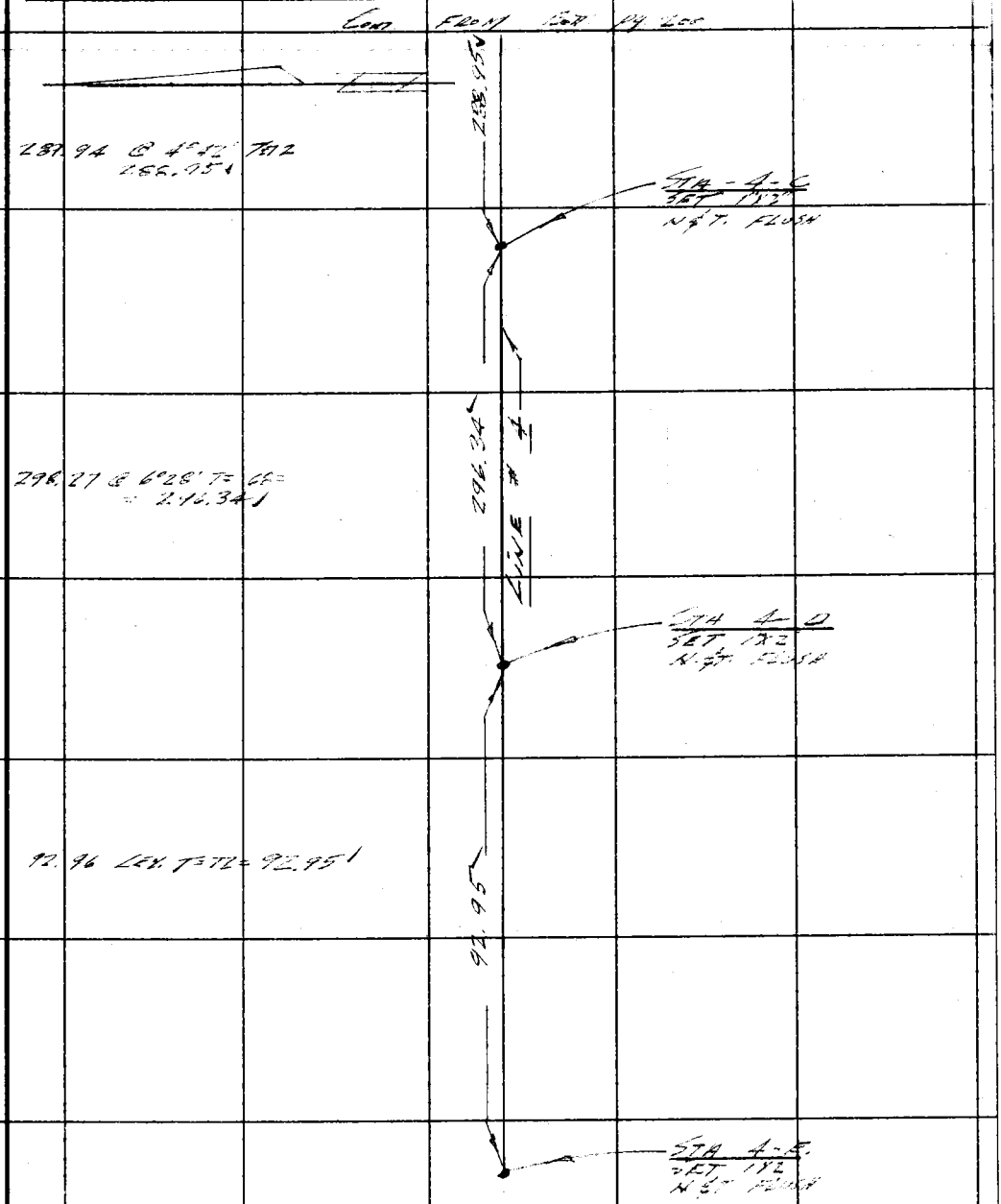
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

Notes Ck'd by C. R. GOSS	Survey of P.B. LANDSLIDE
Map No.	JN 602-64 Tape Std 84 °F
Office Work	Surveyed by
Checked	Notes LIND Date
Date	Indexed A. C. Johnson

F. B. 950 PG. 2-1



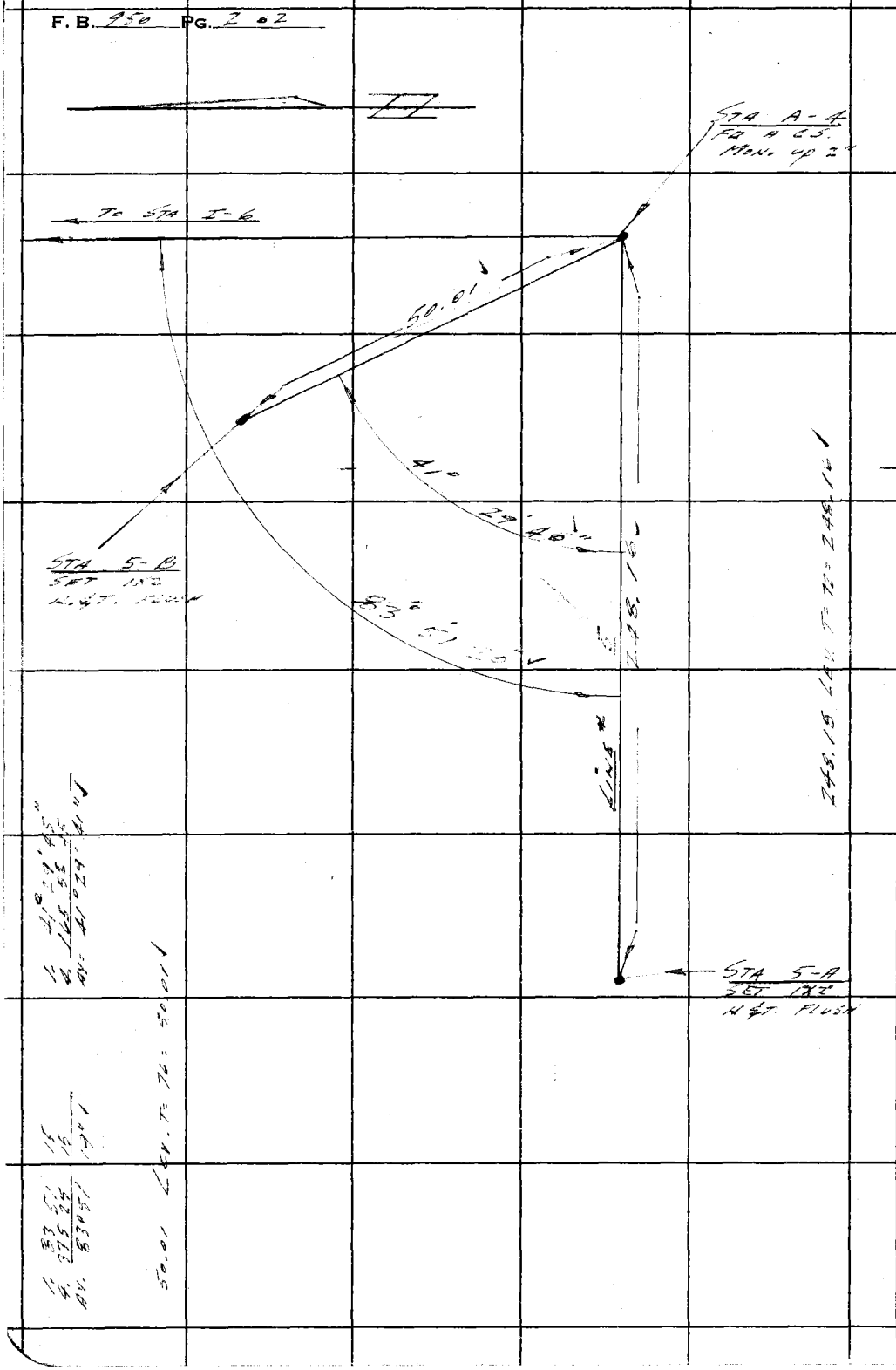
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend notes this side of this line.

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

763095 CE #247—7-53

F. B. 950 PG. 2 of 2



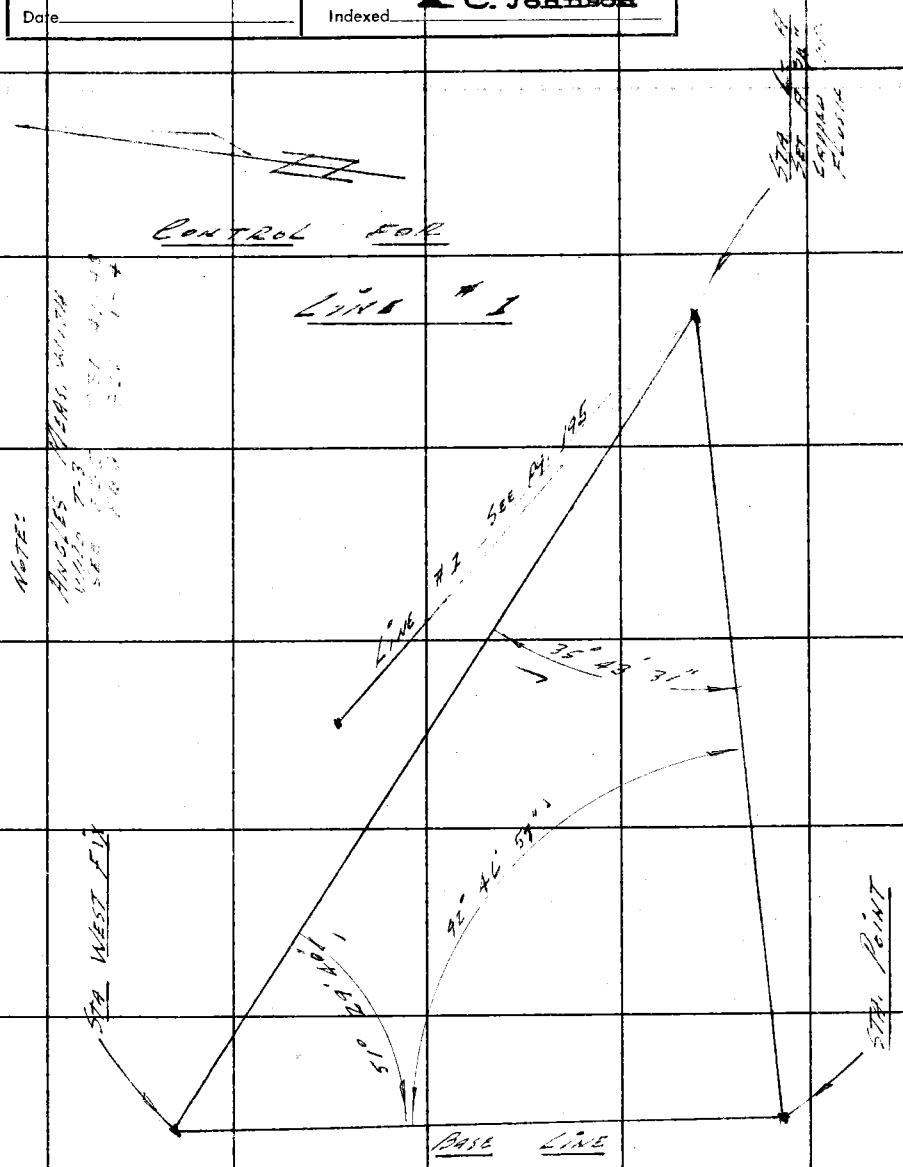
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

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

F. B. 950 PG. 203



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

Do not extend notes this side of this line.

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

763099 CE #247—7-53

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

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

Do not extend notes this side of this line.

F. B. 150 PG. 204

Form 301 1000 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
TBM 27 Hwy 2	K-6 85° OFF	5.80	3.90		15 08	380	+ 0 28		1						
		2.00													
		6.80							2				STADIA LOCATION		
		4.00	230		12 16	230	+ 1 00								
		2.10							3				OF 40 CONTOUR		
		1.00	110		7 00	110	+ 0 25								
		2.12							4				LINE, COUNTED		
		1.00	112		356 25	112	+ 0 21								
		3.57							5				FROM LINE #2		
		3.00	057		192 52	57	+ 3 18								
		1.39							6				PG- 196-197		
2-A	TBM 27 Hwy 2	1.00	039		276 12	39	+ 2 41								
		1.69							7						
		1.00	069		242 01	69	+ 1 30								
		2.98							8						
		2.00	098		215 12	98	+ 2 12								
		4.07							9						
		2.00	207		190 30	207	+ 1 10								
		5.69							10						
		2.00	329		187 10	329	+ 0 25								
		3.44							11						
2-B	2-A	2.00	144		308 58	141	+ 8 18								
		3.30							12						
		2.00	130		287 55	127	+ 9 02								
		2.85							13						
		2.00	085		255 08	80	+ 14 26								
		2.42							14						
		1.00	142		211 42	139	+ 8 28								
		4.76							15						
		2.00	276		180 30	273	+ 4 24								
		3.05							16						
2-C	2-B	2.00	105		339 12	105	- 1 08								
		4.63							17						
		4.00	063		293 56	63	LEVEL								
		4.06							18						
		4.00	006		304 18	6	LEVEL								
		10.07							19						
		9.00	107		201 10	107	+ 2 11								
		2.72							20						
		1.00	172		197 02	172	- 1 00								
		3.43							21						
		1.00	243		184 00	243	- 1 03								

Notes Red. _____ Date _____ Platted _____ Date _____ Notes Chkd. _____ Date _____ Checked _____ Date _____ Survey No. _____ Survey By _____ Division No. _____ Job No. _____ Notes _____ Tabulated _____ Date _____

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Description Legend: Bottom Draw B.D., Bottom Wash B.W., Top of Ridge T.R., Top of Slope T.S., Steep Slope S.S., Top of Cliff T.Cl., Bottom of Cliff B.Cl., Top of Spur T.Sp., Bottom Canyon B.Cn., Top of Bank T.B., Bottom of Bank B.B., Top of Cut T.C., Bottom of Cut B.C., Top of Fill T.F., Bottom of Fill B.F., Flat Fl., Stream Str., Trail Tr., Pavement Pvt., Edge of Road E.Rd., Fence Fc., Int. Fences V.Fa., Ditch Di., Telephone Pole T.P., Power Pole P.P., Culvert Cul., Eucalyptus Eu., Plus combinations of these and all common standard abbreviations.

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ / —	Vertical Angle	Elevation of Point	Line	+ Back Sight	+ / — Difference Elevation	Height of Instrument	+ / — Vertical Distance	REMARKS Station	Left	Right
1-A	1-D	3.02 / 2.00	102		142 40	100	+	7 35		1		S.O. 8" BRK			STADIA LOCATION		
	2	3.27 / 2.00	127		116 34	126	+	6 02		2		B.O.DRAW			OF 40' CONTOUR		
	3	1.79 / 1.00	079		111 53	77	+	8 50		3		S.O.			LINE, LOCATED		
	.	2.90 / 2.00	090		76 06	88	+	8 40		4		S.H.			FROM LINE #1 19.195		
	5	2.47 / 1.00	147		49 21	146	+	5 03		5					S.H.		
		3.16 / 1.00	216		27 23	215	+	3 28		6					S.H.		
		6.80 / 4.00	280		21 50	279	+	3 23		7					S.H.		
1-B	1-A	3.72 / 2.00	172		318 36	168	+	8 55		8					S.H.		
	2	2.43 / 1.00	143		310 33	138	+	10 34		9					S.H.		
	3	9.47 / 8.00	147		277 15	139	+	13 25		10					S.H.		
	4	7.45 / 6.00	145		251 32	138	+	12 22		11					S.H.		
	6	3.34 / 2.00	134		229 53	128	+	11 47		12					S.H.		
	6	3.00 / 1.00	200		204 36	196	+	7 33		13					S.H.		
1-C	1-A	3.32 / 2.00	132		320 09	126	+	11 41		14					S.H.		
		1.79 / 1.00	079		286 17	71	+	18 55		15					S.H.		
		3.11 / 2.00	111		218 03	105	+	13 42		16					S.H.		
1-D	1-A	2.21 / 1.00	121		318 39	118	+	9 05		17					S.H.		
	2	1.59 / 1.00	059		262 29	54	+	19 12		18					S.H.		
	7	4.95 / 4.00	95		202 42	90	+	13 21		19					Edge Draw & END		
										20		END OF LINE #			2		
										21							

Form 381 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Red—	Horizontal Angle 0° to 360° Sight	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
3-A	SHIELDS	5.73							1						
		5.00	073		14 02	73	2 20						STAGE	LOCATED	
		4.07							2						
		4.00	007		110 00	7	LEVEL						OF	LOCATION	
		4.81							3						
		4.00	081		257 48	81	2 42						LINE,	LOCATED	
		4.02							4						
		4.00	202		240 28	202	1 30						FROM	LINE #3	
		4.46							5						
		4.00	346		236 25	346	0 50						PP.	198-199	
3-B	3-A	5.75							6						
		5.00	075		17 17	75	4 10								
		5.46							7						
		5.00	045		153 35	44	6 41								
		5.34							8						
		4.00	134		148 37	134	2 33								
		5.93							9						
		4.00	193		147 11	193	1 42						TOP		
		6.53							10				EDGE		
		4.00	253		180 17	253	1 11						E.S.		
		11.65							11						
3-C	3-B	9.20	2.65		76 36	261	6 38						WEST		
		10.13							12						
		9.00	1 13		42 44	104	16 08						E.S.		
		4.76							13						
		4.00	076		133 18	48	36 12						E.	S.	
		11.57							14						
		10.00	157		160 34	152	9 58						W.	S.	
		5.98							15						
		5.00	098		189 20	84	22 10						E.	S.	
		11.73							16						
		10.00	173		180 57	168	9 56						W.	S.	
		10.50							17						
		10.00	150		209 00	146	9 02						E.	S.	
		6.62							18						
		4.00	2.22		197 05	216	9 12						E.	S.	
		11.54							19						
		9.00	254		191 28	250	7 01						W.	S.	
		10.20							20						
		9.00	420		193 38	418	3 52						B.	C.	
									21						

Form

Notes Red. _____ Platted _____ Job No. 2021-24 Division No. 14 F.B. 750 PG. 197

DRN. _____ DATE _____ Checked _____ Date _____ Notes Blue _____ Surveyed by _____ Date 5-6-57

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station Left Right
4-B	G-1	4.06 / 2.00	206		321 58	199	+ 10 22		1		S.H.		STADIA LOCATION
		3.10 / 2.00	110		260 34	97	+ 20 00		2		S.H.		OF 320' CONTOUR
		3.27 / 2.00	127		234 26	116	+ 17 06		3		S.H.		LINE, LOCATED
4-C	G-1	2.74 / 1.00	174		312 45	173	+ 3 17		4		S.H.		FROM LINE # 4
		2.66 / 1.00	166		213 24	165	+ 3 17		5		S.H.		pg. 200 - 201.
		5.00 / 3.00	200		186 43	199	+ 3 30		6				
		6.05 / 4.00	205		175 13	204	+ 3 40		7				
4-E	G-1	10.28 / 9.00	128		9 05	127	4 00		8				
		11.54 / 11.00	054		76 23	52	11 18		9				E. S. CH. TOP.
		11.46 / 11.00	046		211 24	43	13 18		10				E. S. CH.
		4.45 / 3.00	145		154 39	143	7 06		11				W. S. CH. TOP
		11.55 / 10.00	155		251 17	154	4 08		12				E. S. CH.
		5.87 / 4.00	187		224 00	185	5 11		13				W. S. CH.
		11.35 / 9.00	235		241 59	234	2 50		14				E. S. CH.
		4.88 / 2.00	288		234 52	287	3 40		15				E. S. CH.
		7.11 / 3.00	411		231 30	411	2 16		16				BOTT. CH. CTR.
							END	OF	LINE	#	4		
									17				
									18				
									19				
									20				
									21				

Add'n'l Inform.

F.B. 950 Pg. 208

Topography Description Legend:
Side Hill....S.H. Bottom Draw. B.D.
Side of Draw. S.D. Bottom Wash B.W.
Side of Ridge. S.R. Top of Ridge. T.R.
Head of Draw H.D. Toe of Slope. T.S.

Inters. of Draws. V.D's
Break in Slope. Bk.S.
Steep Slope.....S.S.
Top of Cliff.....T.Cl.
Bottom of Cliff..B.Cl.
Top of Spur.....T.Sp.
Bottom Canyon..B.Cn.

Side of Canyon S.Cn.
Top of Bank..T.B.
Bottom of Bank. B.B.
Top of Cut.....T.C.
Bottom of Cut..B.C.
Top of Fill.....T.F.
Bottom of Fill. B.F.

Saddle .....Sa.
Swale .....Sw.
Flat .....Fl.
Stream .....Str.
Trail .....Tr.
Pavement .....Pvt.
Edge of Road E.Rd.

Traveled Rd. Tr.Rd.
Fence .....Fn.
Int. Fences. V.Fns.
Ditch .....Di.
Telephone Pole T.P.
Power Pole....P.P.
Culvert .....Cul.

Oak-O. Pin-Fr.
Pine-Pi. Cedar-Ce.
Sycamore .....Sy.
Eucalyptus .....Eu.
Plus combinations of these and all common standard abbreviations.

Form 301 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ − Vertical Distance	REMARKS Station	Left Right
					° '		° '							
5-B	A-4	8.07							1					
		5.00	3 07		192 03	307	0 37	W. S. CANYON		& BOT	CREK.	FILL	STAKES	LOCATING
		10.25							2					
		8.00	225		176 50	225	LEVEL	W. S. CANYON					OF	CANYON
		11.00							3					
		9.00	200		138 38	200	LEVEL	W. S.	CK.	TOP			LINE	LOCATED
		8.17							4					
		6.00	217		119 25	217	LEVEL	" "	"	"			FROM	LINE #5
		6.09							5					
		7.00	309		98 23	309	LEVEL	W. S.	CK	TOP	SPUR		PG.	203
		9.22							6					
5-A	A-4	6.00	322		289 40	322	LEVEL	E. S.	CK	& BOT	CREK	FILL		
		6.65							7					
		4.00	265		300 45	265	0 30						E. S.	CK
		6.40							8					
		4.00	240		308 51	240	0 38						E. S.	CK
		6.26							9					
		4.00	226		4 08	226	0 40						E. S.	CK
		6.08							10					
		2.00	4.04		29 53	404	0 30						S. H.	
									11					
								FILL	LINE	# 5				
									12					
									13					
									14					
									15					
									16					
									17					
									18					
									19					
									20					
									21					

Notes Red. _____ Platted _____ Job No. _____ Division No. _____ F.B. 452 PG. 2

DRW. Date Checked Date Surveyed Date Traced Date Checked Date

Form 301 10M 3-34

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

700 HALL OF RECORDS

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

Do not extend notes this side of this line

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station	Left	Right
					° ′		° ′		1						
					° ′		° ′		2						
					° ′		° ′		3						
					° ′		° ′		4						
					° ′		° ′		5						
					° ′		° ′		6						
					° ′		° ′		7						
					° ′		° ′		8						
					° ′		° ′		9						
					° ′		° ′		10						
					° ′		° ′		11						
					° ′		° ′		12						
					° ′		° ′		13						
					° ′		° ′		14						
					° ′		° ′		15						
					° ′		° ′		16						
					° ′		° ′		17						
					° ′		° ′		18						
					° ′		° ′		19						
					° ′		° ′		20						
					° ′		° ′		21						

Add'n'l Inform.

F.B. 950 PG. 210

Topography Description Legend:

Side Hill.....S.H.
Side of Draw.S.D.
Side of Ridge.S.R.
Head of Draw H.D.
Bottom Draw.B.D.
Bottom Wash B.W.
Top of Ridge.T.R.
Toe of Slope..T.S.

Interv. of Draws.V.D's
Break in Slope..Bk.S.
Steep Slope.....S.S.
Top of Cliff.....T.Cl.
Bottom of Cliff..B.Cl.
Top of Spur.....T.Sp.
Bottom Canyon..B.Cn.

Side of Canyon S.Cn.
Top of Bank.....T.B.
Bottom of Bank.B.B.
Top of Cut.....T.C.
Bottom of Cut..B.C.
Top of Fill.....T.F.
Bottom of Fill.B.F.

Saddle .....Sa.
Swale .....Sw.
Flat .....Fl.
Stream .....Str.
Trail .....Tr.
Pavement .....Pvt.
Edge of Road E.Rd.

Traveled Rd. Tr.Rd.
Fence .....Fn.
Int. Fences.V.Fns.
Ditch .....Di.
Telephone Pole T.P.
Power Pole....P.P.
Culvert .....Cul.

Oak-O. Fir-Fr.
Pine-Pi. Cedar-Cr.
Sycamore .....Sy.
Eucalyptus .....Eu.
Plus combinations of these and all common standard abbreviations.

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	VERTICAL CONTROL	FOR STARTING [illegible]
					LINE # 1. 40' CONTOUR	
P.B. # 8	[illegible]	[illegible]		7 99	P.B. # 8 EL = 7.99	
	11 40	30 94	0 34	19 04		
	11 94	42 13	0 75	30 19'	GRADE ROD = 2.13	
	5 23	45 66	1 70	40 43'	" " = 5.66	
	5 65	47 55	3 76	41 90'	" " = [illegible]	
	[illegible]	46 66	6 91	[illegible]	" " = 6.66	
—	0 50	[illegible] 66	11 50	35 1[illegible]'		
	[illegible]	24 22	11 85	[illegible] 81'		
	0 31	13 50	11 03	13 19'		
P.B. # 9			5 50	8 00'	P.B. # 9 EL = 7.99	
					LINE # 2 40' CONTOUR	
P.B. # 7	11 80	[illegible]		7 60	P.B. # 4 EL = 7.60	
	11 55	[illegible]	0 35	[illegible]		
	[illegible]	42 13	[illegible]	[illegible]	[illegible] = [illegible]	
	[illegible]	48 [illegible]	[illegible]	[illegible]	" " = 8 40	
	[illegible] 12	[illegible]	[illegible]	[illegible]	" " 7 20	
	[illegible]	47 25	4 10	43 [illegible]	" " [illegible]	
—	[illegible]	[illegible]	2 42	[illegible]		
	[illegible]	23 [illegible]	[illegible]	[illegible]		

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of
X-Sec. Notes Chkd. Checked Survey by Notes Date 5-8-59
No. Date Date Map No. Indexed C. Johnson Date

F. B. 950 PG. 711

76L-298 S & E #307—1-56

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
	[illegible]	[illegible]	12 12	[illegible]		
[illegible]			[illegible]		[illegible]	[illegible]
					LINE # [illegible]	210' [illegible]
BM 34-15A	4 [illegible]	[illegible]		[illegible]	BM 34-15A ELEV	[illegible]
TP	[illegible]	[illegible]	4 [illegible]	[illegible]		
TP	1 43	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]					[illegible]	[illegible]
					[illegible]	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	STA [illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]

F. B. [illegible] Pg. [illegible]
Job No. [illegible] Division No. [illegible] Notes Red. [illegible] Plotted [illegible] Profile
Survey of [illegible] Date [illegible] Date [illegible] No. [illegible]
Survey by [illegible] Notes [illegible] Notes Chkd. [illegible] Checked [illegible] X-Sec.
Indexed [illegible] C. Johnson Date [illegible] Date [illegible] No. [illegible]

Notes Ck'd by	Survey of [illegible]
Map No.	JN [illegible] Tape Std [illegible] °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed C. J. GALLI JUL 1 6 63

F. B. 950 PG. 213

"P" - LINE

P-1 TO P-2

DATE	DISTANCE	TOTAL SHEAR	PERIOD SHEAR	TOTAL SHEAR P-2	PERIOD SHEAR P-3	TOTAL SHEAR P-3
5-11-59	176.78	0.00	0.00	-0.05	-0.05	-0.05
5-15-59	176.78	0.00	0.00	-0.05	0.00	-0.05
5-25-59	176.78	0.00	0.00	-0.05	0.00	-0.05
6-1-59	176.78	0.00	0.00	-0.05	0.00	-0.05
6-8-59	176.78	0.00	0.00	-0.05	0.00	-0.05
6-15-59	176.78	0.00	0.00	-0.05	0.00	-0.05
6-22-59	176.78	0.00	0.00	-0.05	0.00	-0.05
6-29-59	176.78	0.00	0.00	-0.05	0.00	-0.05
7-7-59	176.78	0.00	0.00	-0.05	0.00	-0.05
7-13-59	176.78	0.00	0.00	-0.05	0.00	-0.05
7-20-59	176.78	0.00	0.00	-0.05	0.00	-0.05
7-31-59	176.78	0.00	0.00	-0.05	0.00	-0.05
8-10-59	176.78	0.00	0.00	-0.05	0.00	-0.05
10-5-59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-0.05
10-27-59	176.78	0.00	0.00	-0.05	0.00	-0.10
11-23-59	176.78	0.00	0.00	-0.05	0.00	-0.13
12-22-59	176.78	0.00	0.00	-0.05	0.00	-0.16
1-4-59	176.78	0.00	0.00	-0.05	0.00	-0.16
1-18-59	NO	MEAS.				
2-1-60	NO	MEAS				
2-15-60	176.78	0.00	0.00	-0.06	0.00	-0.20
2-24-60	NO	MEAS				
3-2-60	NO	MEAS.				
4-4-60	NO	MEAS				
5-3-60	NO	MEAS				
1-16-62	No dist meas.			-0.11		-0.23
4-2-62	176.82	+0.04	-0.13	-0.24	-0.06	-0.29
5-8-62	176.82	0.00	+0.10	-0.14	0.00	-0.29
6-22-62			0.00	-0.14	+0.03	-0.26
8-27-62			+0.02	-0.16	0.00	-0.26
9-21-62	176.80	+0.02	+0.03	-0.13	0.00	-0.26
10-23-62			-0.06	-0.19	-0.03	-0.29

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

Do not extend notes this side of this line.

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

76F309S CE #247

F. B. 950 Pg. 214

"P" LINE

P-1 to P-2

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR		TOTAL SHEAR
				P-2	P-2	P-3	P-3
1-21-63	NO MEAS.	—	—	-0.19	0.00	0.00	-0.29
2-19-63	" "	—	—	-0.15	+0.04	0.00	-0.29

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

Do not extend notes this side of this line.

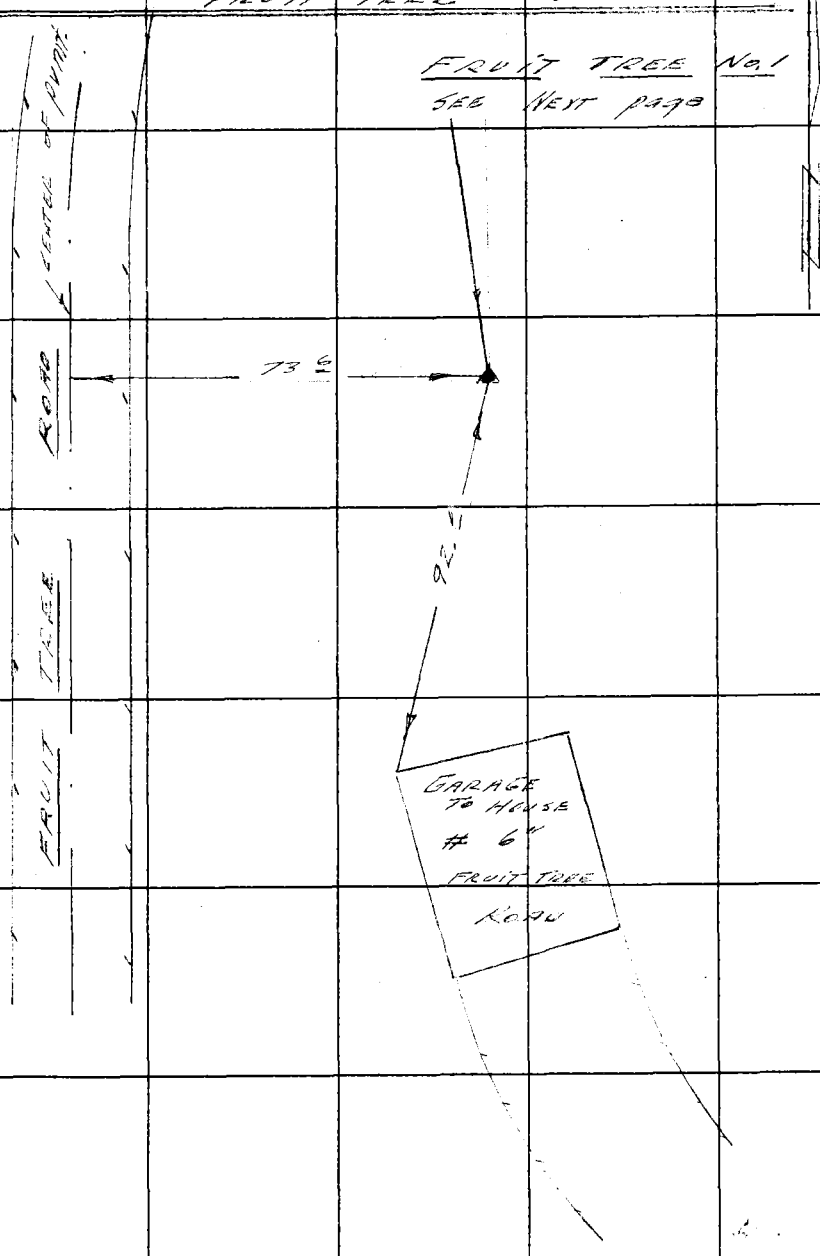
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of [illegible]
Map No.	JN [illegible] Tape Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed A. C. Johnson 5-22-59

F.B. 950 PG. 215

L.A. COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION
"FRUIT TREE # 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 ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE #247—3-57

F. B. 950 Pg. 216

~ DESCRIPTIONS ~

THIS STATION IS IN LOS ANGELES COUNTY, IN THE PORTUGUESE BEND AREA OF THE SAN PEDRO HILLS. 73.6' E. OF THE CENTER OF FRUIT TREE ROAD & 92.1' N. OF THE N. W. COR. OF GARAGE TO HOUSE # 6 FRUIT TREE ROAD. SEE pg. 215 FOR DETAILS.

STATION MARK:

SET A STD C.S. BRASS CAP MONUMENT FLUSH AND STAMPED "FRUIT TREE # 2.", 1959, RES861 MON. SET 5-12-59

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of
Map No.	JN Tape Std °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed 10-15-59

F. B. 950 PG. 217

WAYFARERS
CHAPEL
TOWER

Changes on This Circled in Red
Name of Person

LOS
700 Los

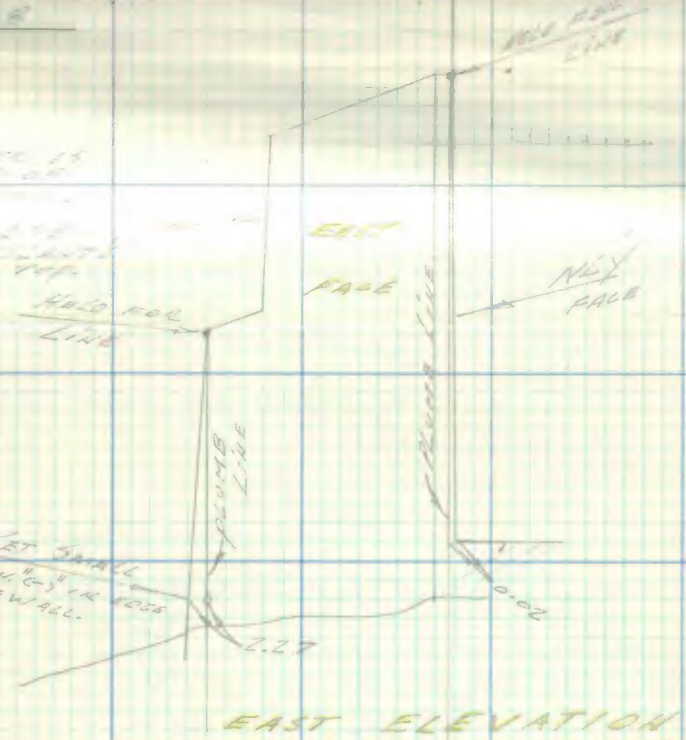
76F309S S&E #247 11-58

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

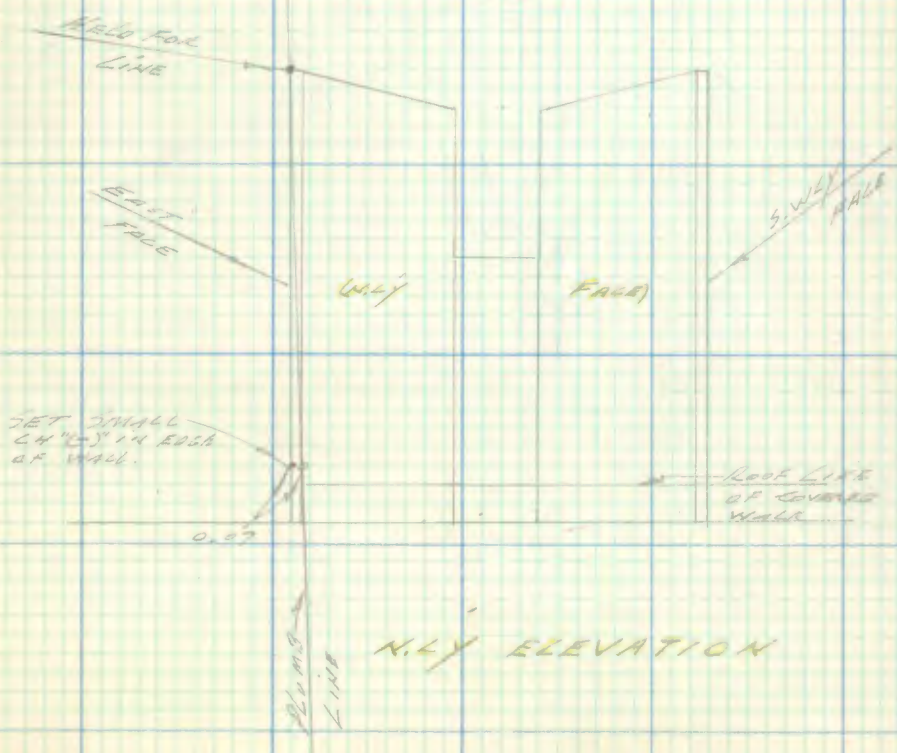
NOTE:

THIS TOWER IS [illegible]

THE SLY EDGE OF TOWER SLANTS INWARD AT TOP. THIS GIVES TOWER AN APPARENT FACE OF LEANING N.L.Y.



NOTE: S.W.L.Y FACE IS IDENTICAL TO EAST FACE.



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Notes Ck'd by [illegible]	Survey of Port Bend Landslide
Map No.	JN 0021.64 Tape 052 Std. 84 °F
Office Work	Surveyed by Lind
Checked	Notes Lind Date 11-30-59
Date	Indexed A. C. Johnson

OFF 2 59

F. B. 950 PG. 219

U.N. 0021.64

PORT. BEND LANDSLIDE

LOCATION OF STATION

T.B.M 27 AUX 3

11-30-59

LIND

WILKS

HILL

MASUDA

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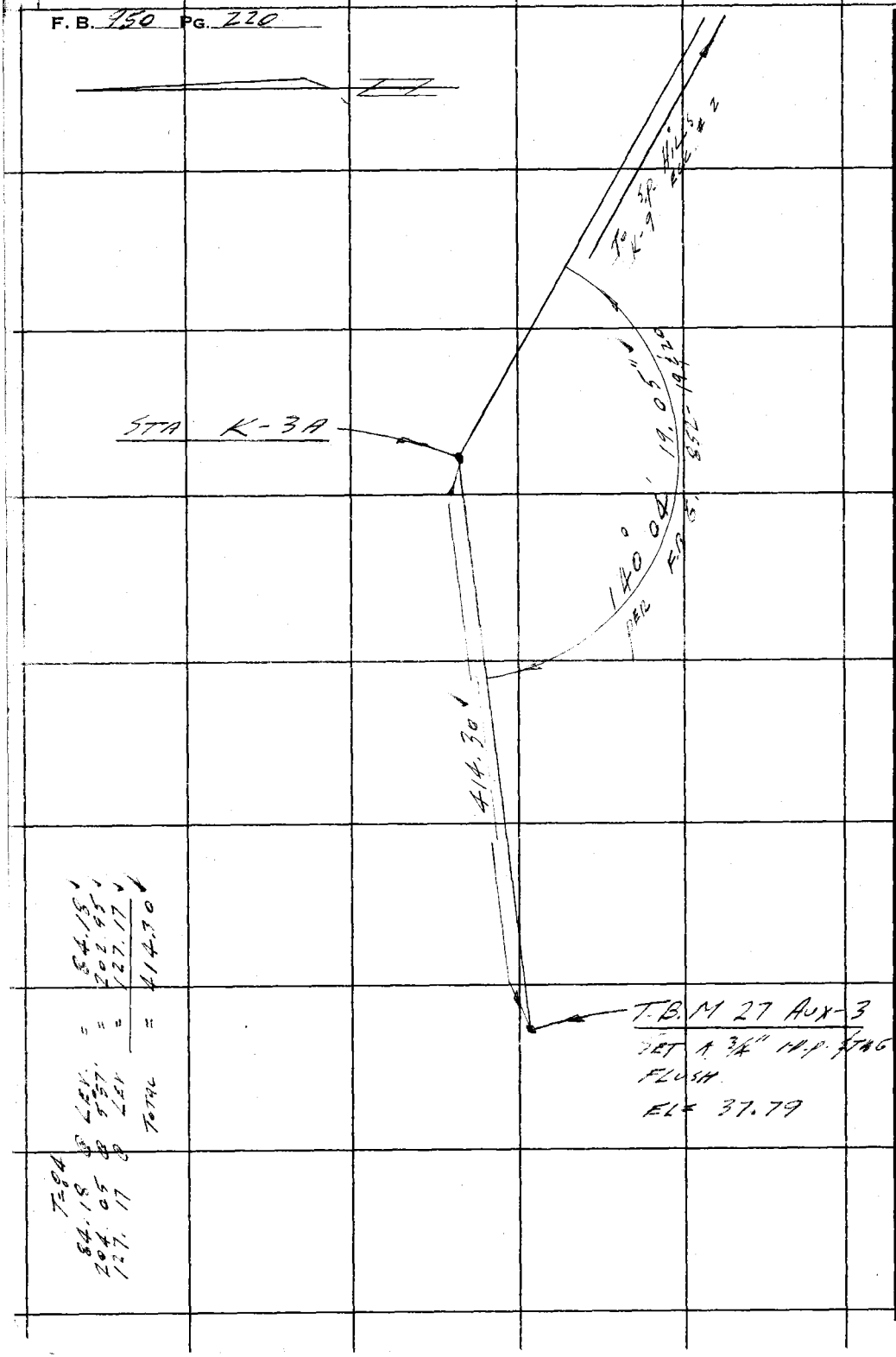
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763099 CE #247—7-59

F. B. 950 PG. 220



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Rom. Bend

Notes Ck'd by	Survey of Land Slide	F. B. 950 Pg. 221
Map No.	JN 0021-64 Tape 153 Std 24 °F	
Office Work	Surveyed by Lind	
Checked	Notes ~~[illegible]~~ Date	
Date	Indexed 2-5-60	

U.N. 0021.64

PORTUGUESE BEND LANDSLIDE

LOCATION OF STATIONS

K-3A

GROIN ELL. 1

CLUB HOUSE

1-18-60

LIND

WILKS

HILL

MASUDA

McKNIGHT

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76F309S CE #247—3-57

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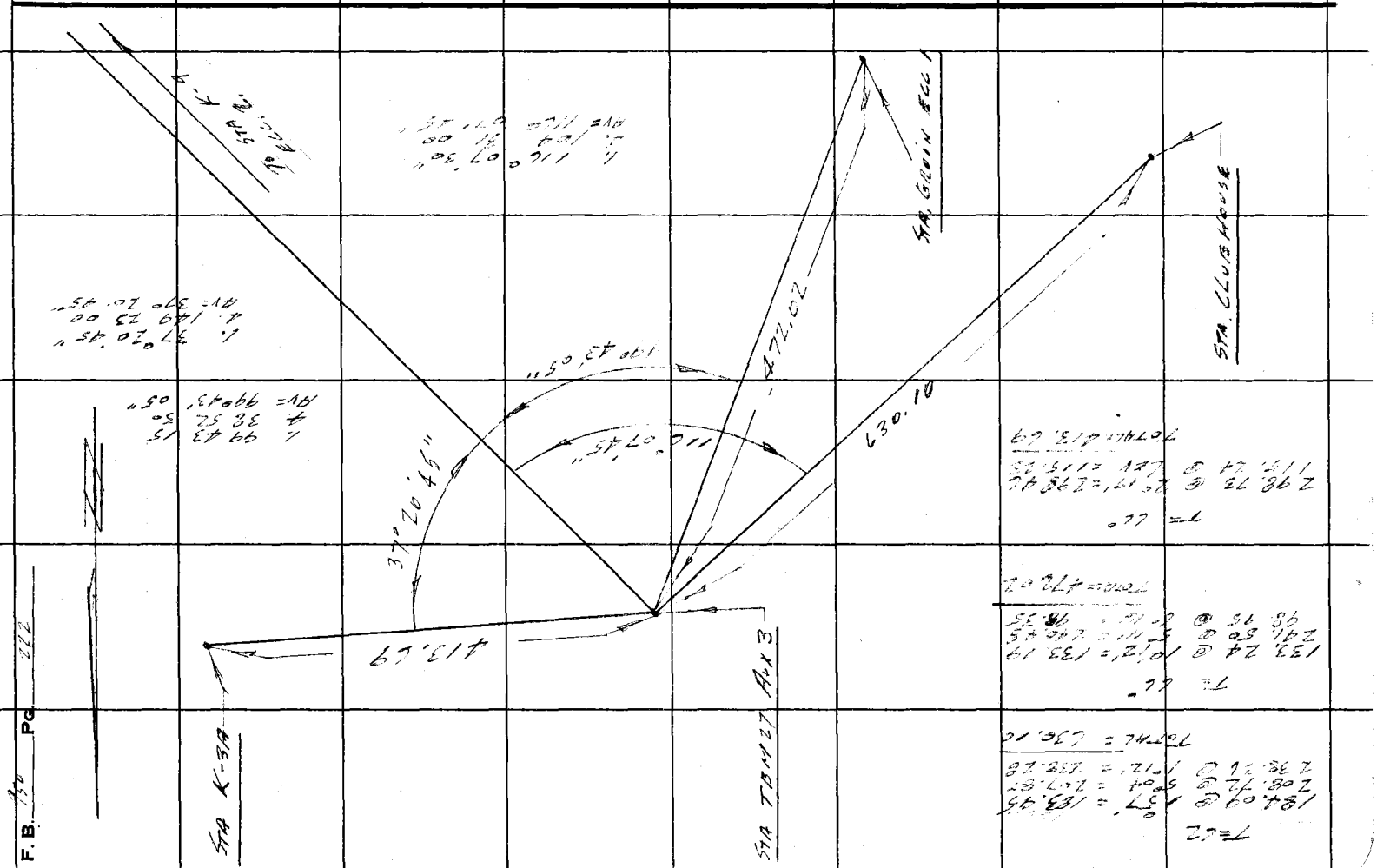

Port, Reno

Notes Ck'd by	Survey of LANDSLIDE	F. B. 950 Pg. 223
Map No.	JN 0021.64 Tape 153 Std 84 °F	
Office Work	Surveyed by LIND	
Checked	Notes HILL Date [illegible]	
Date	Indexed C. Johnson	

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

LOCATION OF STATIONS

GROIN ECC. 1
CLUBHOUSE

1-25-60

LIND
WILKS
HILL
MASUDA
McKNIGHT

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76F309S CE #247—3-57

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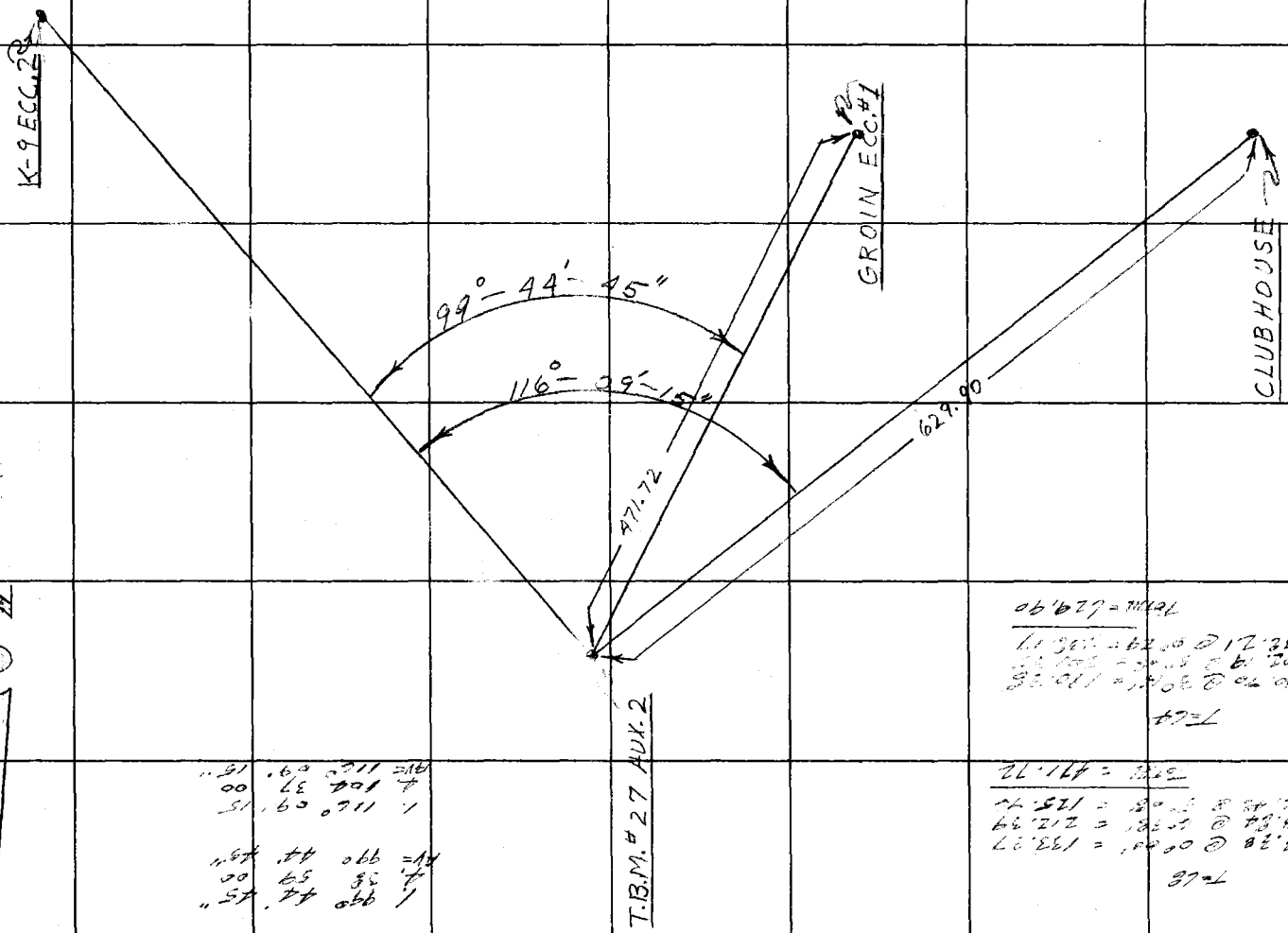

F.B. 450 PG. 224

Notes Ck'd by	Survey of Port. Bend Landslide	F. B. 950 Pg. 225
Map No.	JN 0021.64 Tape 153 Std 84 °F	
Office Work	Surveyed by [illegible]	
Checked	Notes [illegible] Date 2-1-60	
Date	Indexed A. C. Johnson 2-5-60	

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

LOCATION OF STATIONS

K-3A

GROIN ELEV

SLOBHOUSE

2-1-60

LINE

WILKS

HILL

McLINDY

MALOUA

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76F3095 CE #247—3-57

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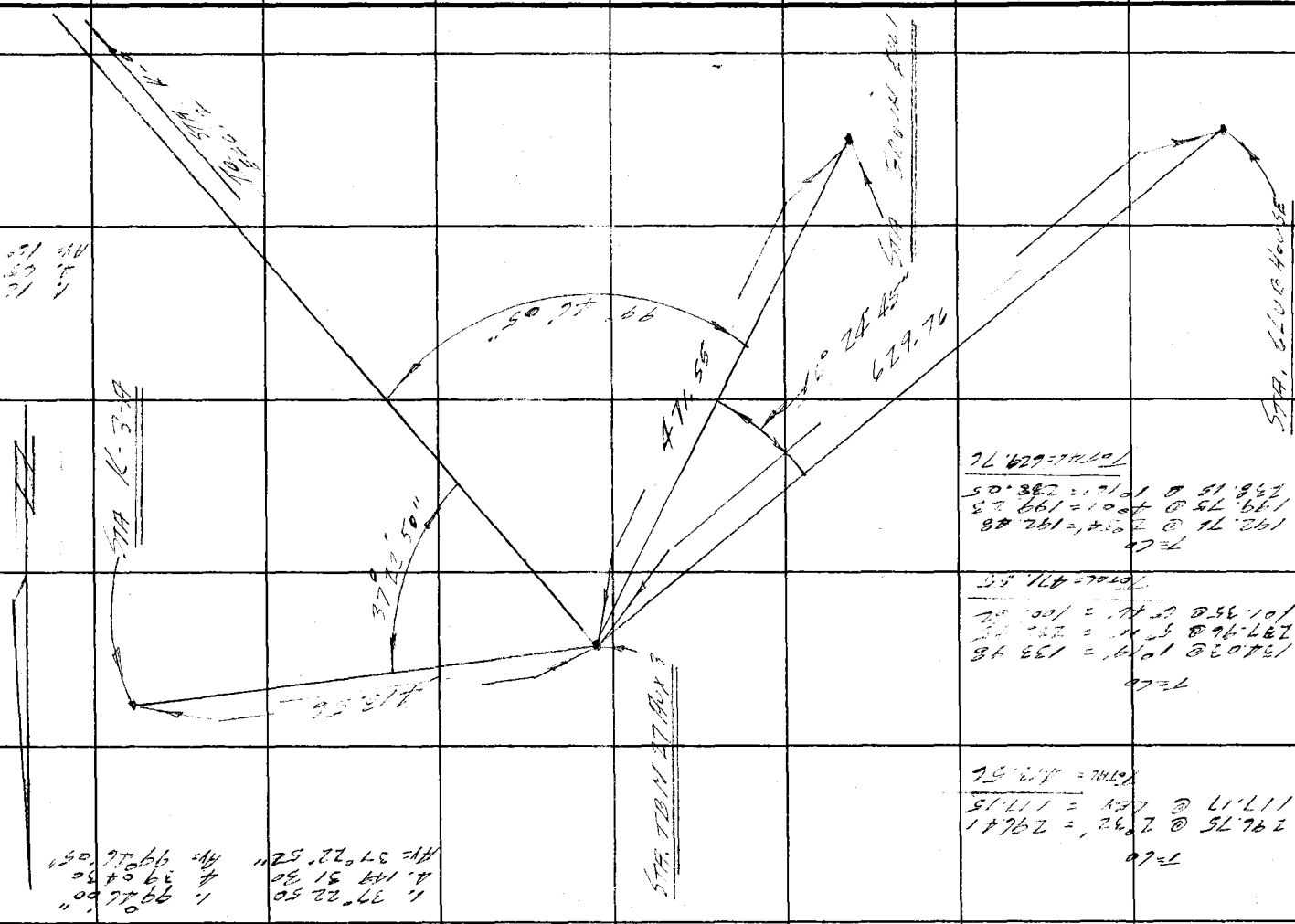

Notes Ck'd by	Survey of P.B. LANDSLIDE
Map No.	JN 0021.64 Tape 153 Std 89° °F
Office Work	Surveyed by LIND
Checked	Notes HILL Date 2-9-60
Date	Indexed A. O. Johnson 2-15-60

F. B. 950 PG. 227

PORTUGUESE BEND

LANDSLIDE

JN 0021.64

LOCATION OF K3A
GROIN ECCL
CLUBHOUSE

FEB 9, 1960

LIND
WILKS
HILL
MASUDA
McKNIGHT

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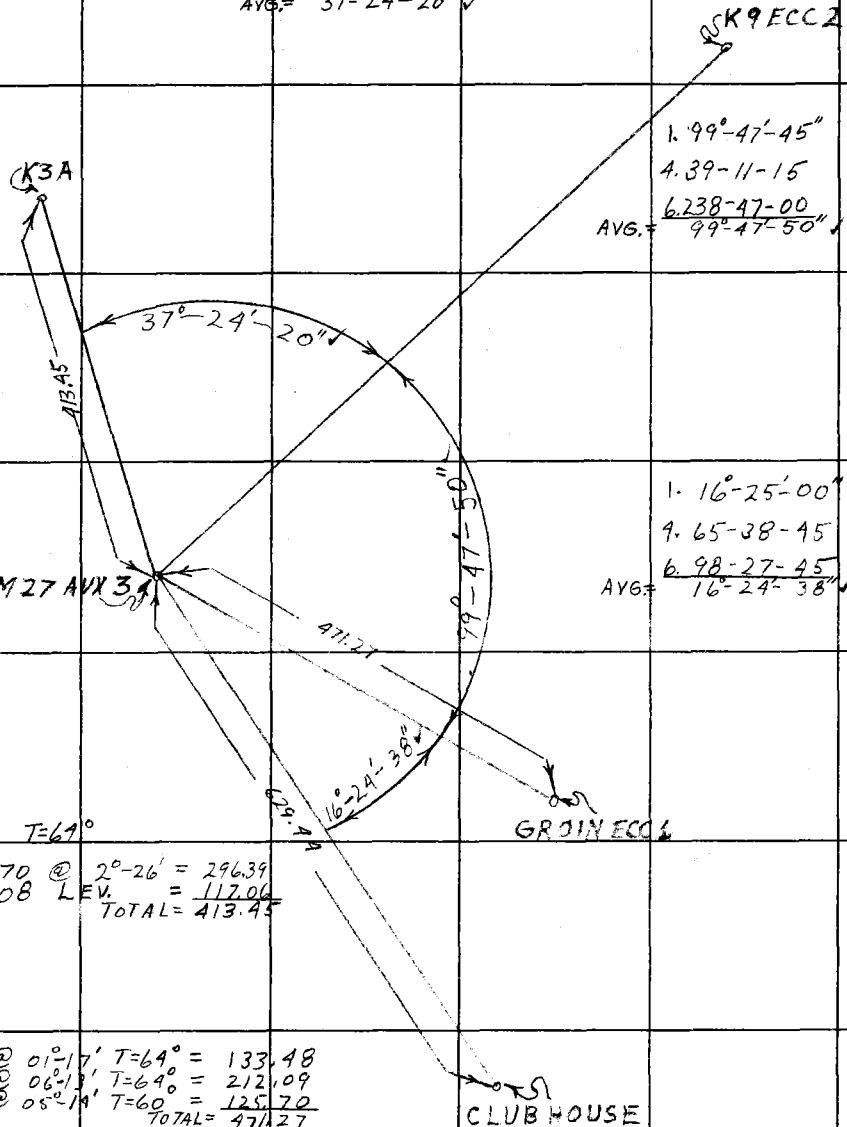
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3099 CE #247—3-57

F.B. 950 Pg. 228

1. 37°-24'-15"
4. 149-37-15
6. 224-26-00
AVG.= 37°-24'-20" ✓



1. 99°-47'-45"
4. 39-11-15
6. 238-47-00
AVG.= 99°-47'-50" ✓

1. 16°-25'-00"
4. 65-38-45
6. 98-27-45
AVG.= 16°-24'-38" ✓

T=64°

296.70 @ 2°-26' = 296.39
117.08 LEV. = 117.06
TOTAL= 413.45

133.53 @ 01°-17' T=64° = 133.48
213.37 @ 06°-13' T=64° = 212.09
126.25 @ 05°-14' T=60 = 125.70
TOTAL= 471.27

T=64°

192.06 @ 02°-41' = 191.82
200.07 @ 03°-47' = 199.60
238.09 @ 01°-00' = 238.02
TOTAL= 629.44

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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 PB LANDSLIDE
Map No.	JN 0021.64 Tape 153 Std 84° °F
Office Work	Surveyed by LIND
Checked	Notes HILL Date 2-15-60
Date	Indexed A. C. JOHNSON

F. B. 950 Pg. 229

FEB 24 1960

PORTUGUESE BEND

LANDSLIDE

J.N. 0021.64

LOCATION OF K3A
GROIN ECC 1
CLUBHOUSE

FEB. 15, 1960

LIND
WILKS
HILL
MASUDA
McKNIGHT

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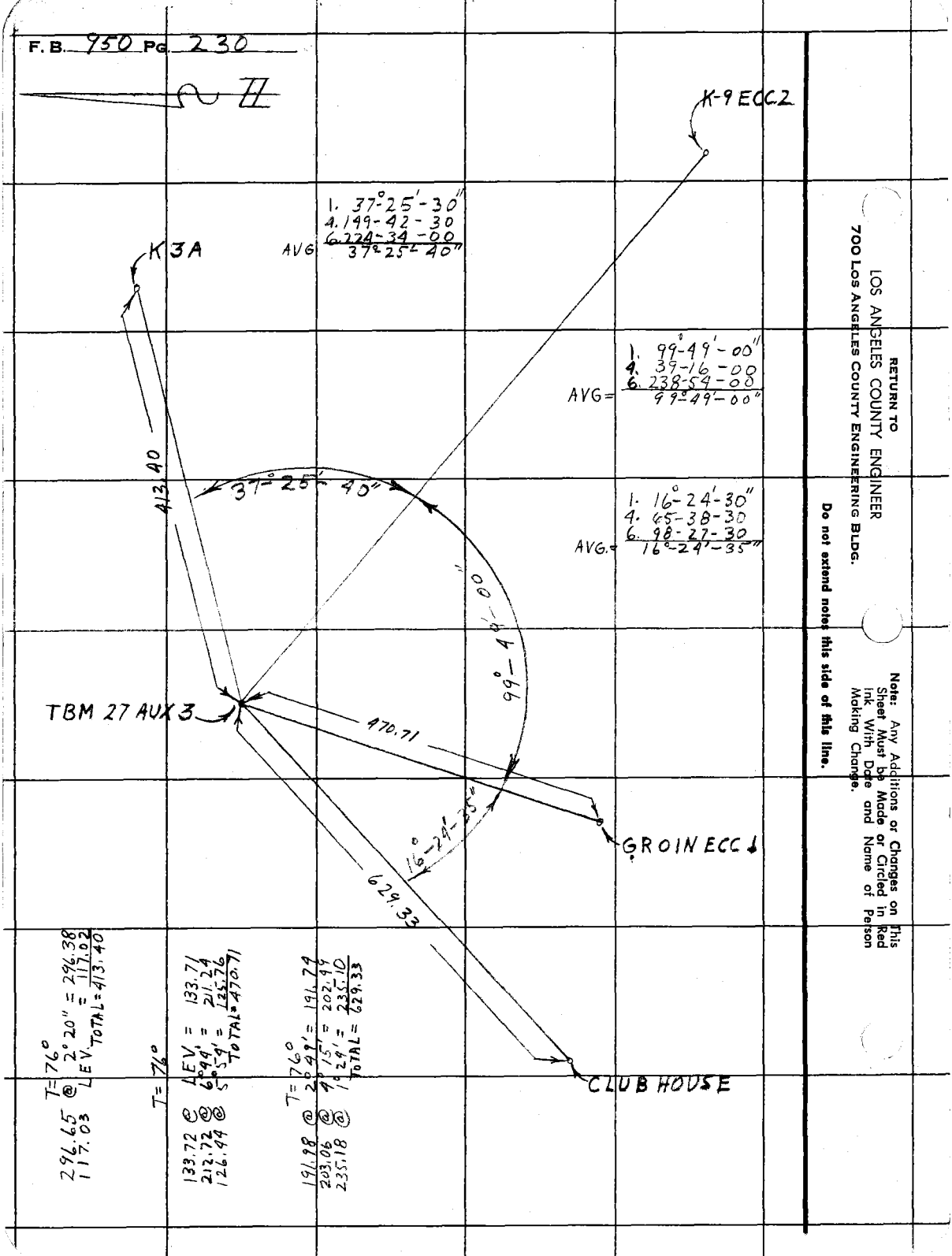
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #247—3-57

F. B. 950 PG. 230



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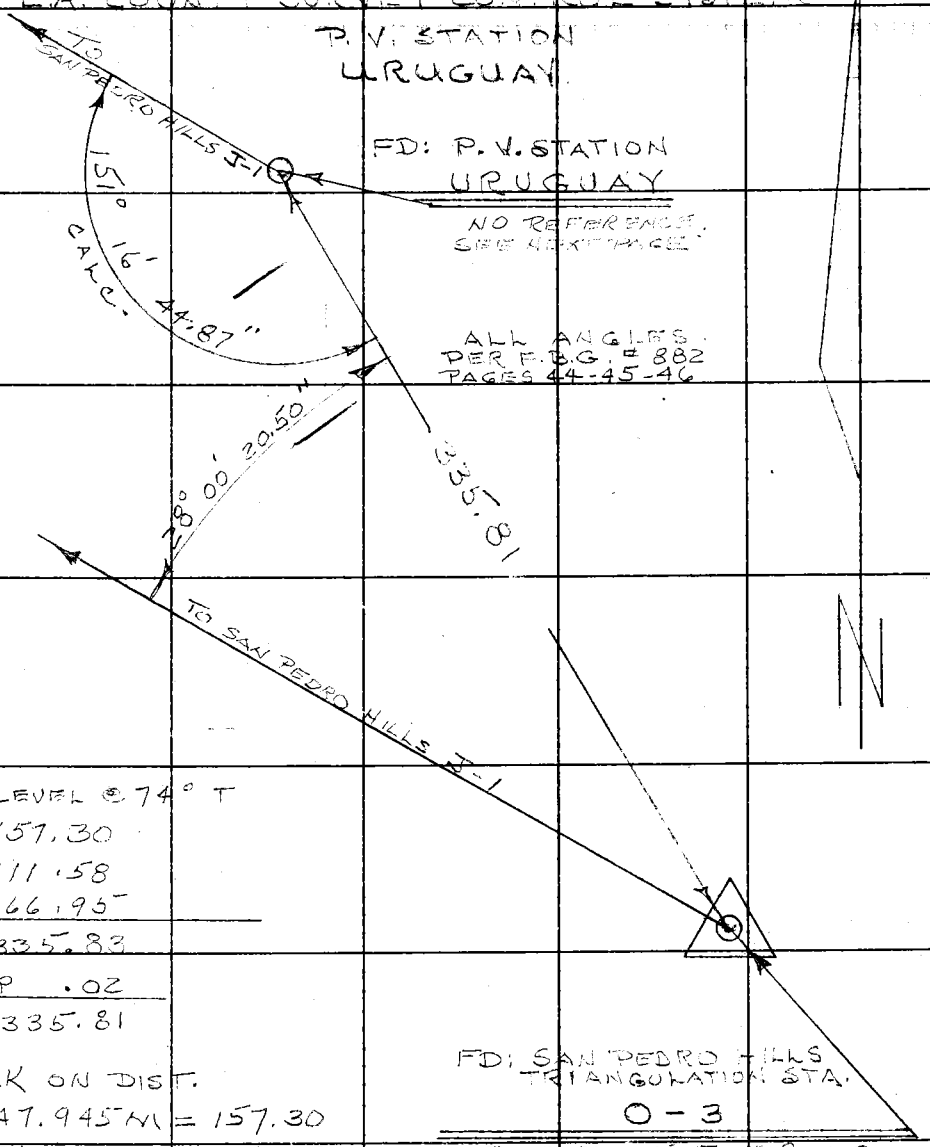
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink, With Date and Name of Person Making Change.

Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape 144 Std. 84 °F
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed J. C. Johnson 6-21-60

F. B. 950 PG. 231

L.A. COUNTY SURVEY CONTROL SYSTEM



LEVEL @ 74° T
157.30
111.58
66.95
335.83

TEMP .02
335.81

CK ON DIST.
47.945 M = 157.30
34.010 M = 111.58
20.406 M = 66.95

FD: SAN PEDRO HILLS
TRIANGULATION STA.
O-3
PER F.B 625-109-110
" " " 2653-27-28

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

763095 CE #247 7-53

F. B. 950 PG. 232

DESCRIPTIONS
P. V. STATION
URUGUAY

THIS STATION IS IN LOS ANGELES COUNTY. ON THE SOUTHERLY SIDE. OF HARBOR CITY NORTH & EAST FROM THE INTERSECTION OF WESTERN AVE & PALOS VERDE DR.

NORTH, [illegible] N 32° 42' 17.53" W
FROM STATION SAN PEDRO HILLS 0-3
F.B. 625-109-110

TO REACH THIS STATION FROM WESTERN AVE. [illegible] ON PALOS VERDE DRIVE NORTH 0.4 MILE TO TOP OF RIDGE [illegible] NORTHERLY ALONG DIRT [illegible] 0.4 MILE TO STATION.

STATION MARK: NO REF. FD. 2" SQUARE BRASS CAP IN A 4" SQUARE PILLAR OF CONC. AND STAMPED "URUGUAY" FLUSH WITH GROUND.

REFERENCE MARK. FD. PER F.B. 625-109-110 & 2660-27-28 A STD BRASS TRI. CAP IN CONC. 2" ABOVE FLUSH AND STAMPED SAN PEDRO HILLS 0-3 R.E. 217. 1936, COUNTY SURVEYOR.

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100 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by C.R. Goss	Survey of PB LANDSLIDE
Map No.	JN 0021.64 Tape 153 Std 94 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date [illegible]
Date	Indexed H. E. OTT JUL 1 2 '60

F. B. 950 PG. 233

PORTUGUESE BEND LANDSLIDE

J.N. 0021.64

TAPE - TRANSIT LOCATION

OF

STATION A-5

7-7-60

LINN

WILKS

ELLER

TUXFORD

MASUDA

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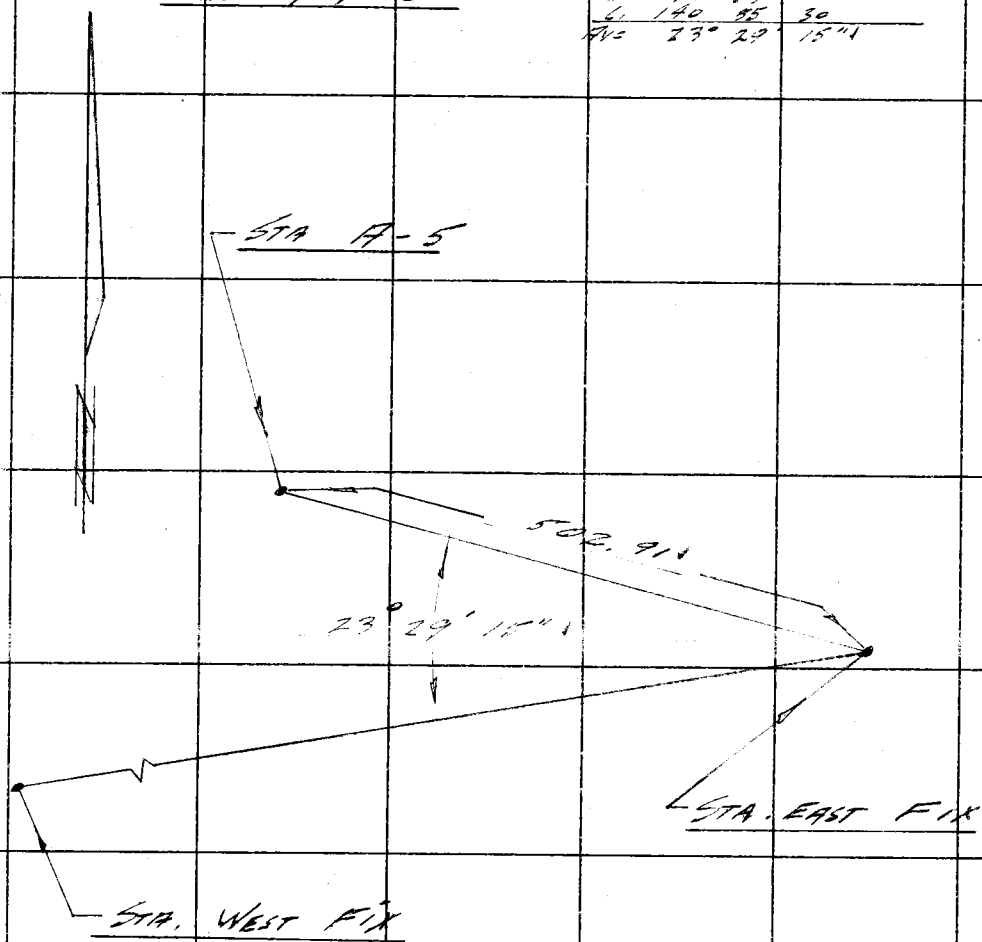
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247 7-53

F. B. 950 PG. 234

DATE 7-7-60

1.	23°	29'	15"
4.	93	57	00
6.	140	55	30
AVG	23°	29'	15"1



	T=64		
14.49 @	00° 00'	=	14.49
86.76 @	14° 52'	=	79.70
296.26 @	51° 52'	=	251.57
161.69 @	110° 59'	=	159.15
	TOTAL	=	502.91

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Notes Ck'd by C.R. GOSS	Survey of P.B. LANDSLIDE
Map No.	JN 0021.64 Tape 155 Std. 94 °F
Office Work	Surveyed by C.R. LIND
Checked	Notes LINO Date 7-7-60
Date	Indexed H. E. OTT

F. B. 950 Pg. 135

PORTUGUESE BEND LANDSLIDE

JN. 0021.64

TAPE- TRANSIT LOCATION

OF

STATION B-1-B

7-7-60

LIND

WILKS

ELLER

TUXFORD

MASUDA

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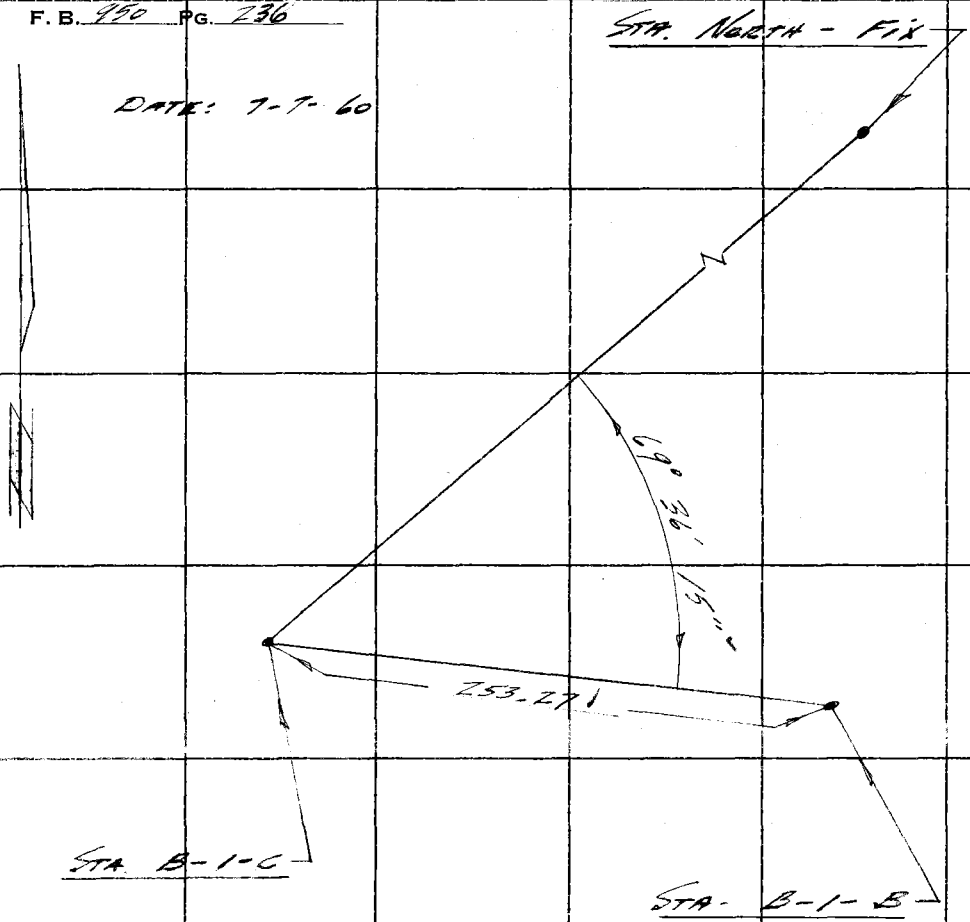
700 LOS ANGELES COUNTY ENGINEERING BLDG.

763095 CE #247—7-59

F. B. 950 PG. 236

DATE: 7-7-60



1. 69° 36' 15"
4. 278 25 00
6. 57 37 30
AV= 69° 36' 15"

T= 72
255 47 @ 7° 29' = 253.27

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by C.R. GOOS	Survey of R.R. LANDSLIDE
Map No.	JN 0021.64 Tape 153 Std. 84 °F
Office Work	Surveyed by E.R. [illegible]
Checked	Notes [illegible] Date 7-6-60
Date	Indexed H. E. OTT

F. B. 950 PG. 137

PORTUGUESE BEND LANDSLIDE

J.N. 0021.64

TAPE-TRANSIT LOCATION

OF

STATIONS W-1 & W-1-A

7-6-60

LIND

WILKS

ELLER

TUXFORD

MAGUIRE

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763095 CE #247—7-53

F. B. 950 PG. 238

DATE 7-6-60

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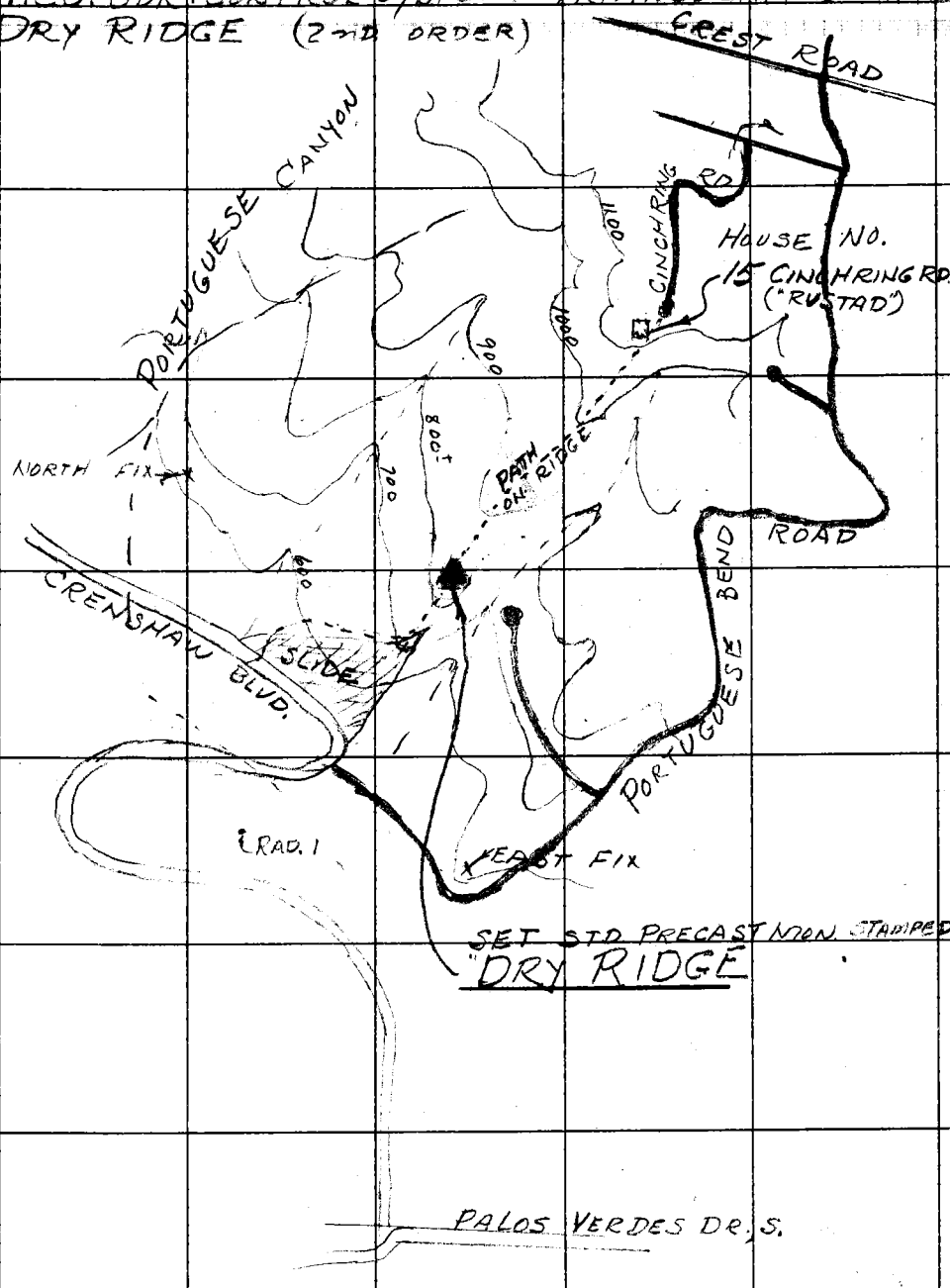
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN 0301.00 Tape Std °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G E D Date 6-17-60
Date	Indexed H. E. OIT 9'60

F. B. 950 PG. 239

L.A.CO. SUR. CONTROL SYSTEM TRIANGULATION STATION

DRY RIDGE (2ND ORDER)



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76F309S CE #247—3-57

F.B. 950 PG. 240

DESCRIPTION

THIS STATION IS IN LOS ANGELES COUNTY IN THE PORTUGUESE BEND AREA ON A RIDGE ON S.W.Ly PROLONGATION OF CINCHRING ROAD.

TO REACH THIS STATION FROM CREST ROAD AND PORTUGUESE BEND ROAD GO SOUTH ONE BLOCK TO CINCHRING ROAD; FOLLOW CINCHRING ROAD TO ITS SLy END. PARK AND HIKE DOWN RIDGE IN REAR OF HOUSE NO. "15 CINCHRING ROAD" ABOUT 1800± FT. ALSO CAN BE REACHED FROM CRENSHAW BLVD BY HIKING UP THE RIDGE ALONG N.W'Ly BRINK OF LARGE EARTH SLIDE AND ALONG RIDGE ABOUT 280± FT. N.E'Ly FROM UPPER EDGE OF SLIDE

STATION MARK:- SET A STD. C.E. PRECAST MON STAMPED DRY RIDGE 1960 R.E. 5269" UP 3 INCHES.

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151 - 2667 - K184

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 12-28-60
Date	Indexed JUL [illegible]

F. B. 950 PG. 241 ~~237~~

C. J. GALLI

CONT. [illegible] PG. 180

"A" LINE .004 A-3 TO A-4 .020

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
12-28-60	254.48	+4.89	+0.01	+72.18	+0.19
1-9-61	254.57	+4.98	+0.09	+72.43	+0.25
1-16-61	254.60	+5.01	+0.03	+72.59	+0.16
1-23-61	254.61	+5.02	+0.01	+72.70	+0.11
1-30-61	254.63	+5.04	+0.02	+72.85	+0.15
2-7-61	254.67	+5.08	+0.04	+73.08	+0.23
2-15-61	254.70	+5.11	+0.03	+73.19	+0.11
2-20-61	254.73	+5.14	+0.03	+73.31	+0.12
2-27-61	254.76	+5.17	+0.03	+73.46	+0.15
3-6-61	[illegible]	[illegible]	+0.03	[illegible]	+0.13
3-13-61	254.81	+5.22	+0.02	+73.72	+0.13
3-20-61	254.84	+5.25	+0.03	+73.86	+0.14
3-27-61	254.86	+5.27	+0.02	+73.98	+0.12
4-3-61	254.91	+5.32	+0.05	+74.15	+0.17
4-10-61	254.91	+5.32	+0.00	+74.30	+0.15
4-18-61	254.99	+5.40	+0.08	+74.50	+0.20
5-1-61	255.01	+5.42	+0.02	+74.72	+0.22
5-10-61	255.08	+5.49	+0.07	+74.88	+0.16
5-31-61	255.15	+5.56	+0.07	+75.32	+0.44
6-5-61	255.17	+5.58	+0.02	+75.44	+0.12
6-14-61	255.23	+5.64	+0.06	+75.65	+0.21
7-24-61	255.37	+5.78	+0.14	+76.44	+0.79
9-8-61	255.60	+6.01	+0.23	+77.38	+0.94
10-9-61	255.69	+6.10	+0.09	+78.01	+0.63
11-23-61	255.88	+6.29	+0.19	+78.83	+0.82
1-8-62	256.08	+6.49	+0.20	+79.81	+0.98
2-27-62	256.42	+6.83	+0.34	+81.55	+1.74
3-28-62	256.74	+7.15	+0.32	+82.17	+0.62
5-10-62	257.00	+7.41	+0.26	+84.28	+2.11
6-20-62	257.23	+7.64	+0.23	+85.34	+1.06
8-27-62	257.66	+8.07	+0.43	+87.04	+1.70

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LOS ANGELES COUNTY ENGINEER
1700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-58

242 A-3 TO A-4

F. B. 950 PG. ~~238~~

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
9-21-62	257.75	+8.16	+0.09	+87.63	+0.59
10-23-62	258.01	+8.42	+0.26	+88.35	+0.72
1-15-63	258.39	+8.80	+0.38	+90.05	+1.70
2-19-63	258.53	+8.94	+0.14	+91.15	+1.10
4-9-63	258.83	+9.24	+0.30	+92.51	+1.36
6-17-63	259.32	+9.73	+0.49	+94.26	+1.75
8-13-63	259.72	+10.13	+0.40	+95.63	+1.37
12-5-63	260.77	+11.18	+1.05	+97.63	+2.00
3-18-64	261.00	+11.41	+0.23	+99.03	+1.40
6-29-64	LOCATED	BY	TRIANGULATION		

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by	Survey of A. B. LANDSLIDE
Map No.	JN 022164 Tape 22 Std 84 °F
Office Work	Surveyed by [illegible]
Checked	Notes [illegible] Date 12-28-60
Date	Indexed [illegible] J. GALLI JUL 16 '83

F. B. 950 Pg. ~~239~~ 243

CONT. FROM PG. 182

J- LINE

J-5 TO SHIELDS

DATE	DISTANCE	TOTAL SPREAD (.009)	PERIOD SPREAD	TOTAL SHEAR (.015)	PERIOD SHEAR
12-28-60	285.24	+ 27.04	+ 0.12	+54.70	+0.17
1-9-61	285.31	+ 27.11	+ 0.07	+54.85	+0.15
1-16-61	285.33	+ 27.13	+ 0.02	+54.95	+0.10
1-23-61	285.45	+ 27.25	+ 0.07	+55.05	+0.10
1-30-61	285.61	+ 27.41	+ 0.16	+55.19	+0.14
2-7-61	285.69	+ 27.49	+ 0.08	+55.29	+0.10
2-15-61	285.69	+ 27.49	+ 0.00	+55.43	+0.14
2-20-61	285.74	+ 27.54	+ 0.05	+55.50	+0.07
2-27-61	285.81	+ 27.61	+ 0.07	+55.62	+0.12
3-6-61	285.88	+ 27.68	+ 0.07	+55.75	+0.13
3-13-61	285.99	+ 27.79	+ 0.11	+55.81	+0.06
3-20-61	286.06	+ 27.85	+ 0.06	+55.89	+0.08
3-27-61	286.08	+ 27.87	+ 0.02	+56.02	+0.13
4-3-61	286.17	+ 27.96	+ 0.09	+56.18	+0.16
4-10-61	286.18	+ 27.97	+ 0.01	+56.28	+0.10
4-18-61	286.31	+ 28.10	+ 0.13	+56.42	+0.14
5-1-61	286.37	+ 28.16	+ 0.06	+56.54	+0.12
5-10-61	286.44	+ 28.23	+ 0.07	+56.72	+0.18
5-31-61	286.66	+ 28.45	+ 0.22	+57.01	+0.29
6-5-61	286.71	+ 28.50	+ 0.05	+57.11	+0.10
6-14-61	286.83	+ 28.62	+ 0.12	+57.25	+0.14
7-24-61	287.12	+ 28.91	+ 0.29	+57.88	+0.63
9-8-61	287.53	+ 29.32	+ 0.41	+58.52	+0.64
10-9-61	287.91	+ 29.70	+ 0.38	+58.99	+0.47
11-23-61	288.24	+ 30.03	+ 0.33	+59.63	+0.64
1-8-62	288.71	+ 30.50	+ 0.47	+60.38	+0.75
2-27-62	289.34	+ 31.13	+ 0.63	+61.62	+1.24
3-28-62	289.99	+ 31.78	+ 0.65	+62.53	+0.91
5-10-62	290.45	+ 32.24	+ 0.46	+63.54	+1.01
6-20-62	291.76	+ 33.05	+ 0.81	+64.45	+0.91
8-27-62	291.85	+ 33.64	+ 0.59	+65.69	+1.24

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

Do not extend notes this side of this line.

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

76F309S CE #247—3-57

244

J-5 TO SHIELDS

F. B. 950 Pg. ~~240~~

DATE	DISTANCE	TOTAL SHEAR	PERIOD SHEAR	TOTAL SHEAR	PERIOD SHEAR
9-21-62	292.08	33.87	+0.23	66.13	+0.44
10-23-62	292.37	34.16	+0.29	66.64	+0.51
1-15-63	293.16	34.95	+0.79	67.94	+1.30
2-19-63	293.54	35.33	+0.38	68.61	+0.67
4-9-63	294.25	36.04	+0.71	70.48	+1.87
6-17-63	295.12	36.91	+0.87	70.93	+0.45
8-13-63	295.71	37.50	+0.59	71.96	+1.03
12-5-63	296.95	38.74	+1.24	73.68	+1.72
3-18-64	298.19	39.98	+1.24	75.83	+2.15
	Cont	TO	F.B.	2899 - 19	

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Notes Ck'd by	Survey of P.B. LANDSLIDE
Map No.	JN 6021.64 Tape 661 Std 84 °F
Office Work	Surveyed by LIND
Checked	Notes CARO Date 12-28-60
Date	Indexed [illegible] J. GAH JUL 1 6 '63

F. B. 950 PG. ~~241~~ 245

CONT. FROM PG. 186

K-LINE

K-4 TO K-5

DATE	DISTANCE	TOTAL SPREAD .014	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR .027
12-28-60	289.55	+33.30	+0.09	+87.15	+0.21
1-9-61	289.74	+33.49	+0.19	+87.45	+0.30
1-16-61	289.82	+33.61	+0.12	+87.68	+0.23
1-23-61	289.95	+33.70	+0.09	+87.86	+0.18
1-30-61	290.02	+33.77	+0.07	+88.05	+0.19
2-7-61	290.15	+33.90	+0.13	+88.28	+0.23
2-15-61	290.20	+33.95	+0.05	+88.47	+0.19
2-20-61	290.33	+34.08	+0.13	+88.63	+0.16
2-27-61	290.40	+34.15	+0.07	+88.81	+0.18
3-6-61	[illegible]	+34.27	+0.12	+88.99	+0.18
3-13-61	290.59	+34.34	+0.07	+89.15	+0.16
3-20-61	290.74	+34.49	+0.15	+89.37	+0.22
3-27-61	290.90	+34.55	+0.06	+89.52	+0.15
4-3-61	290.92	+34.67	+0.12	+89.70	+0.18
4-12-61	291.05	+34.80	+0.13	+90.02	+0.32
4-18-61	291.11	+34.86	+0.06	+90.16	+0.14
5-1-61	291.36	+35.11	+0.25	+90.59	+0.43
5-10-61	291.47	+35.22	+0.11	+90.80	+0.21
5-31-61	291.75	+35.50	+0.28	+91.34	+0.54
6-5-61	291.84	+35.59	+0.09	+91.51	+0.17
6-14-61	291.96	+35.71	+0.12	+91.78	+0.27
7-24-61	292.51	+36.26	+0.55	+92.81	+1.03
9-8-61	293.18	+36.93	+0.67	+93.29	+0.48
10-9-61	293.60	+37.35	+0.42	+94.80	+1.51
11-23-61	294.12	+37.87	+0.52	+95.86	+1.06
1-8-62	294.83	+38.58	+0.71	+97.12	+1.26
2-27-62	295.90	+39.65	+1.07	+99.24	+2.12
3-28-62	296.73	+40.48	+0.83	+100.62	+1.38
5-9-62	297.60	+41.35	+0.87	+102.22	+1.60
6-20-62	298.33	+42.08	+0.73	+103.65	+1.43
8-27-62	299.52	+43.27	+1.19	+105.67	+2.02

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

76309S CE #247—7-59

K-4 to K-5

F. B. 950 PG. 242 6

DATE	DISTANCE	TOTAL SPREAD	PERIOD SPREAD	TOTAL SHEAR	PERIOD SHEAR
9-21-62	299.77	+43.52	+0.25	+106.29	+0.62
10-23-62	300.23	+43.98	+0.46	107.14	+0.85
1-3-63	302.01	+45.76	+1.78	109.17	+2.03
2-19-63	302.31	+46.06	+0.30	110.35	+1.18
4-9-63	302.74	+46.49	+0.46	111.68	+1.33
6-17-63	303.90	+47.65	+1.16	113.72	+2.04
8-13-63	304.77	+48.52	+0.87	115.24	+1.52
12-5-63	306.47	+50.22	+1.70	118.35	3.11
3-18-64	308.03	+51.78	+1.56	121.10	2.75

CONT. IN F.B. 2499-21

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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7

Notes Ck'd by	Survey of H.B. LANDSLIDE
Map No.	JN0021.64 Tape Std of
Office Work	Surveyed by AC GUIZADO
Checked	Notes K. MYERS Date
Date	Indexed C. I. GALLI JUL 1 5 63

F. B. 950 Pg. 24

"Q" - LINE

DATE	Q-2 PERIOD SHEAR	Q-2 TOTAL SHEAR	Q-3 PERIOD SHEAR	Q-3 TOTAL SHEAR
1-16-62		✓ -0.36		-0.30
4-2-62	-0.09	✓ -0.45	-0.03	-0.33
5-10-62	-0.02	-0.47	-0.01	-0.34
5-22-62	+0.01	-0.46	-0.02	-0.36
8-27-62	No change			
9-21-62	-0.04	-0.50	+0.03	-0.33
10-23-62	+0.02	-0.48	-0.02	-0.35
1-21-63	0.00	-0.48	0.00	-0.35
2-19-63	0.00	-0.48	0.00	-0.35

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

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

76F309S CE #247—3-57

F. B. 950 PG. 218

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

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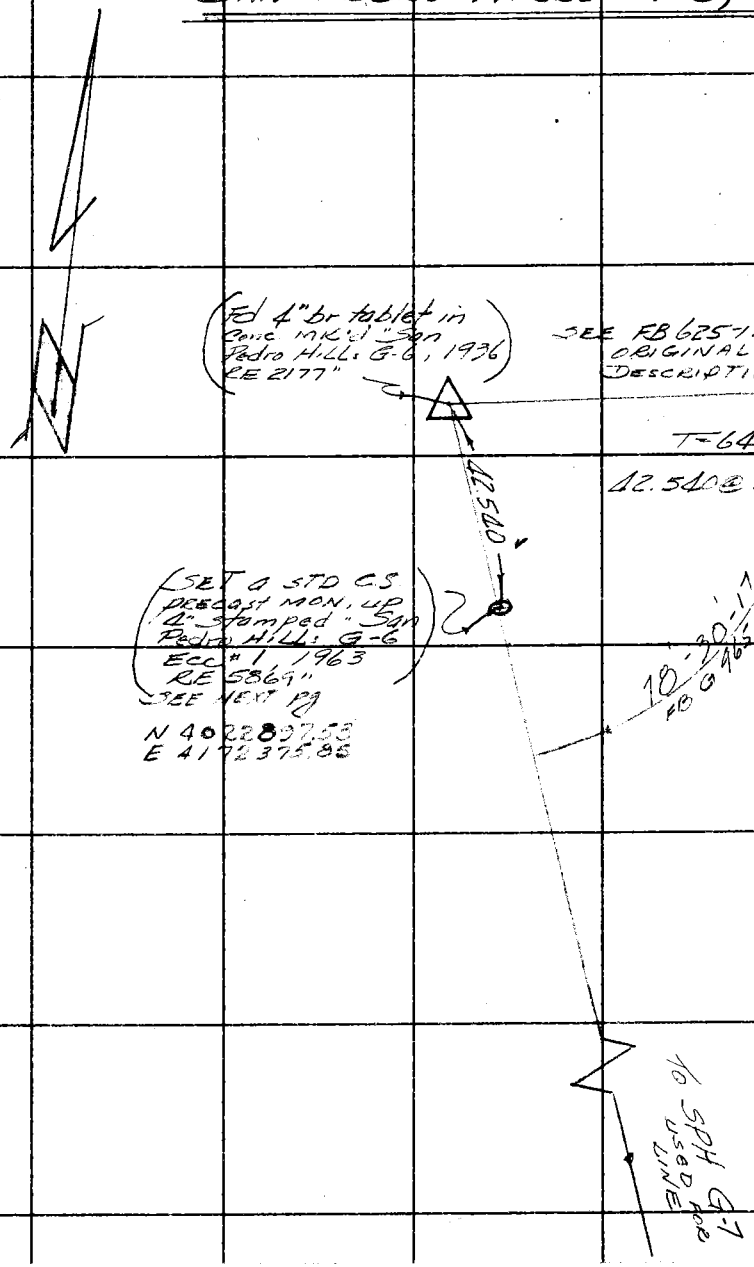
Notes Ck'd by	Survey of Triangulation Control	F. B.	PG. 9
Map No.	JN Tape 2193 Std 68 °F		
Office Work	Surveyed by ACG		
Checked	Notes ACG Date 1/9/63		
Date	Indexed G. J. GALLI JUL 1 '64		

L H COUNTY SURVEY CONTROL SYSTEM

TRIANGULATION STATION

SAN PEDRO HILLS G-6, ECC #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.

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

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76F3095 CE # 310 3-61

F. B. 950 PG 250

SAN PEDRO HILLS G-6

IN LOS ANGELES COUNTY, SAN PEDRO HILLS. FROM THE INTERSECTION OF CRENSHAW BLVD & CREST Rd, GO WESTLY ALONG CREST Rd 0.5 MILE TO a dirt road opposite THE ENTRANCE TO THE PALOS VERDE WATER CO & SO. CALIF. EDISON CO. "LUNADA" SUBSTATION. TURN SO. UNTO DIRT Rd and PROCEED along EDGE OF BARLEY CULTIVATED FIELD, down over a flat ridge, about 0.4 mi to HEAD OF A DRAW. Sta. is to LEFT on S'ly SIDE OF KNOLL NEAR EDGE OF MESA.

STATION MARK SEE FB 969 PG 119, 120

ECC #1 SET A STD C.E PRECAST MONUMENT, UP 4" & STAMPED "SAN PEDRO HILLS G-6 ECC #1 1963 RE 5869" ON LINE TO SPH G-7.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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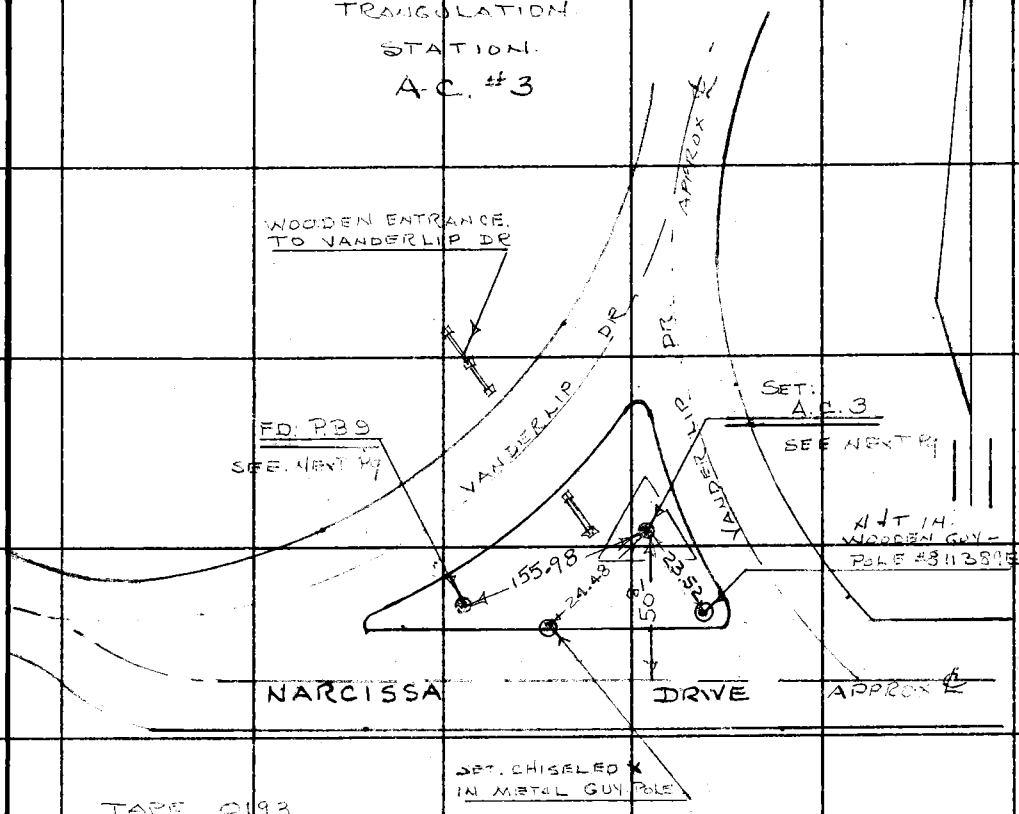
Notes Ck'd by	Survey of GEODETIC CONTROL
Map No.	JN0301.00 Tape 0193 Std. 68 °F
Office Work	Surveyed by A. C. GUIZADO
Checked	Notes R. SMITH Date 1-17-63
Date	Indexed C. J. GALLI

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

L.A. COUNTY SURVEY CONTROL SYSTEM

TRANGULATION STATION A.C. #3



TAPE 0193
LEVEL T= 62
155.99 = 155.98
24.48 = 24.48
23.52 = 23.52

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

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE # 310 3-61

F. B. [illegible] PG. 252

DESCRIPTIONS
TRIANGULATION
STATION
AC #3

THIS STATION IS IN LOS ANGELES COUNTY, IN THE PORTUGUESE BEND AREA, OF THE PALOS VERDE PENN. ± 820 FT. EAST OF THE INTERSECTION OF NARCISSA DRIVE AND SWEET BAY DRIVE AND 50.8 FT NORTH OF THE CENTER LINE OF NARCISSA DRIVE. IN A TRANANGULIAR, LANDSCAPED PLOT, FORMED BY NARCISSA DRIVE AND VANDERLIP DRIVES.

STATION MARK. SET A STD. PRECAST "COUNTY ENGINEER" MON. 6 INCHES ABOVE FLUSH AND STAMPED:
"A.C. 3 1963 RE 5869"

REFERENCE MARK #1 FD. A STD. PRECAST "COUNTY ENGINEER" MON. 4 INCHES ABOVE FLUSH AND STAMPED. BM PB-9, 1957 RE 5869"

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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76F309S CE # 310 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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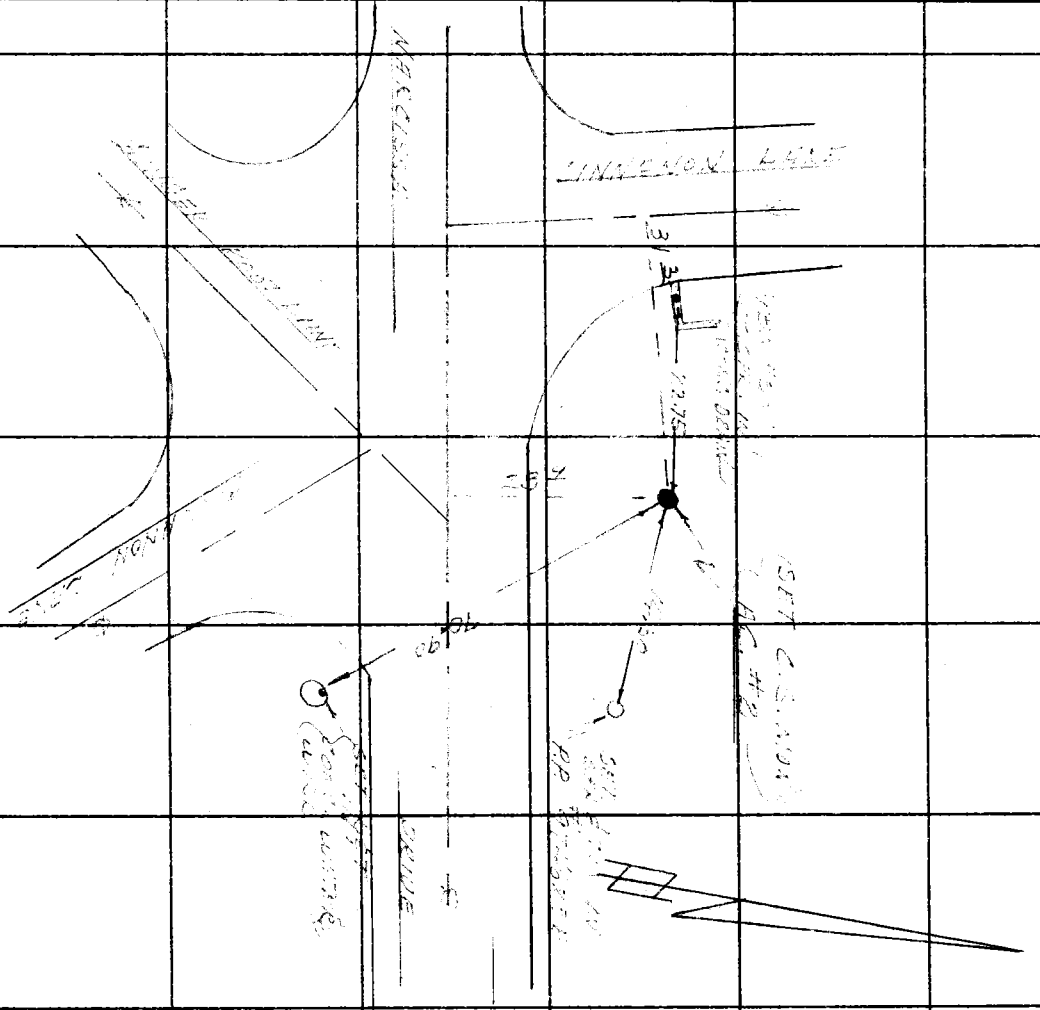

Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of
JN
Surveyed by
Notes
Indexed

Tape Std °F
Date
C. J. GALLI

F. B. PG. 53

F. B. 930 PG. 254

AC #2

COUNTY OF LOS ANGELES IN
VILLA PALOS VERDES AREA. NORTH
OF PALOS VERDE DRIVE SOUTH,
NEAR THE INTERSECTION OF
NARCISSA DR & CINNAMON LANE @
THE NE COR.

STAMP MARK SET IN SIDE CE
PRECAST MONUMENT UP 4" E
STAMPED "AC #2 1963 RE5869"

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

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

Notes Ck'd by	Survey of GEODETIC Control
Map No.	JN Tape 141 Std 84 °F
Office Work	Surveyed by H.C. GUIZADO
Checked	Notes RDG Date 1-[illegible]
Date	Indexed C. J. GALLI

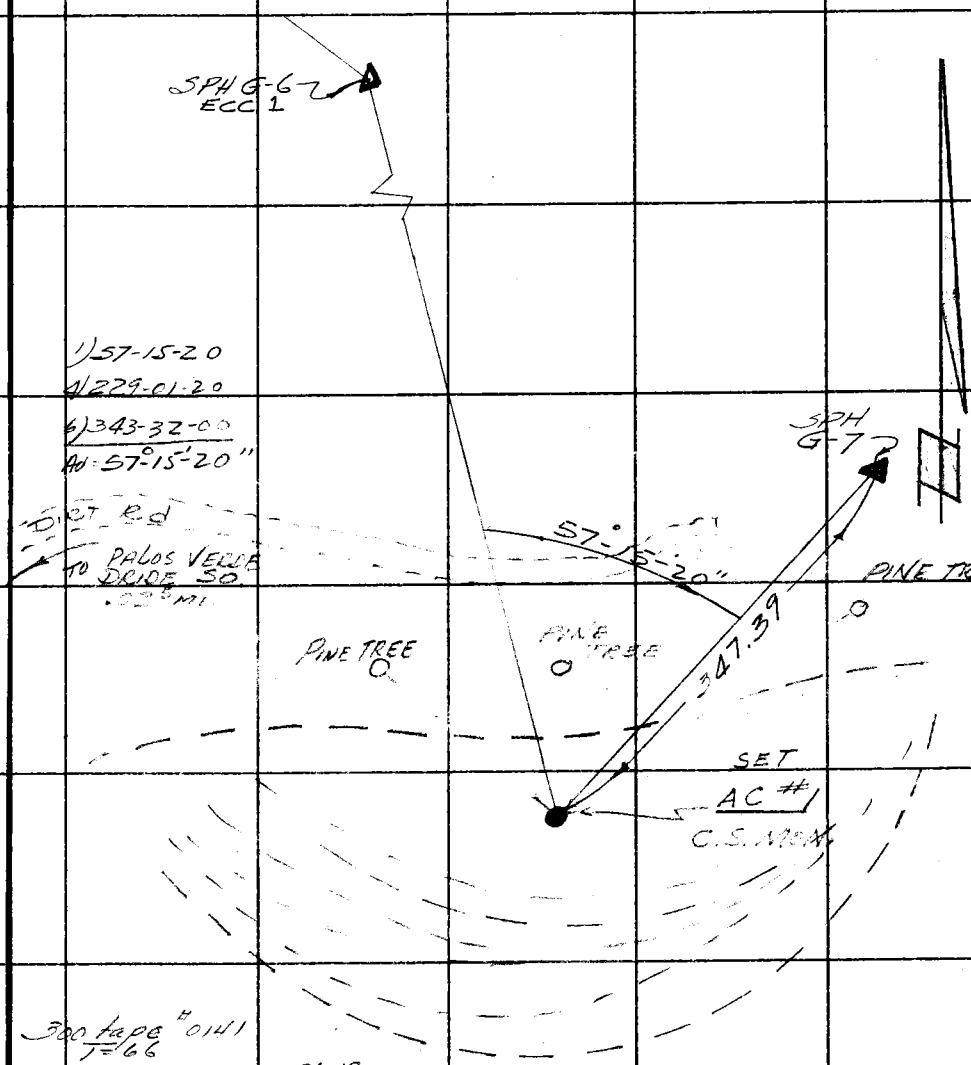
F. B. [illegible] PG. [illegible]

LA. COUNTY SURVEY CONTROL SYSTEM

TRANGULATION

STATION

A.C. #1



300 tape #0141
T=66

36.18 @ LEV =	36.18
104.82 @ 04°05' = 104.54	104.55
104.79 @ 03°42' = 104.56	
210.05 @ +10°16' = 206.67	206.66
209.96 @ +10°09' = 206.65	
	347.39

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

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PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE # 310 3-61

F. B. 98 PG 256

AC #1

IN LOS ANGELES COUNTY, AC #1 0.2 MILES WESTLY FROM WAYFARER CHAPEL TO DIRT ROAD N'LY OR, 300± E'LY FROM INT. OF SEA COVE DR. AND PALOS VERDES DR. SOUTH TO DIRT ROAD GOING N'LY. TURN NORTH ON DIRT ROAD FOR 0.25 MILES. DIRT ROAD HAS NATURAL DRAIN WEST SIDE. DIRT ROAD ENDS IN A CULTIVATED FIELD. AND THE STATION IS TO THE RIGHT OR SOUTH 50± SOUTH OF CULTIVATED FIELD.

STATION MARK SET A STD CE PRECAST MONUMENT UP 4" & STAMPED " AC #1 1963 RE5869 "

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

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