Notes Ck'd by	Survey of P.B. LANDSLIDE	F. B. 2955 PG. 5
Map No.	JN 0021.64 Tape Std °F	
Office Work	Surveyed by LIND	
Checked	Notes LIND Date 6-13-62	
Date	Indexed H. E. OTT JUN 27 '62	

J.N. 0021.64

PORTUGUESE BEND

LANDSLIDE LEVELS

CONT. FROM F.B. 2683

6-13-62

LIND

MYERS

HUCKABY

VALDEZ

RODRIGUEZ

Microfilmed April '85

LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEER
76F3098 S&E #247 11-58

NOTES RED. _____ JOB NO. 0021.64 SURVEY OF Port. Bend Landslide F.B. 2996 PG. 7

DATE _____ SURVEY BY C. K. Lind

NOTES CHKD. _____ NOTES BY Lind DATE 6-13-62

DATE _____ INDEXED H. E. OTT DATE JUN 27 '62

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
JN 0021.64						
Portuguese Bend Landslide						
Re: Run of Levels						
over						
Level Line #6						
			6-13-62			
				Lind		
				Huckaby		
				Rodriguez		

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

Do not extend notes this side of this line

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

76S420 353 8-49

76S420 353 8-49

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM 50-9	999.403				999.403	BM 50-9 EL= 999.403
+	11.563		11.370			
π	1010966	+0.321	+0.323			
-	11.242		11.047			
TP	999724					
+	1580		1520	1540		
π	1001304	-9.364	-9.353	-9.365		
-	10944		10873	10905		
TP	990360					
+	1000		1074			
π	991360	-9860	-9858			
-	10860		10932			
TP	980500					
+	0750		0590			
π	981250	-10.405	-10.405			
-	11155		10995			
TP	970095					
+	1120		1005			
π	971215	-10.287	-10.285			
-	11407		11290			
TP	959808					
+	1102		1210			
π	960910	-10070	-10070			
-	11172		11280			
TP	949738					
+	2703		2820			
π	952441	-2494	-2495			
-	5197		5315			
TBM # 11	947244				947.246	TBM # 11
						PK in Culvert

NOTES RED. DATE
NOTES CHKD. R. J. MITCHELL DATE
JOB NO. 0021.64 SURVEY OF P.B. LANDSLIDE
SURVEY BY C. K. LIND DATE 6-13-62
NOTES BY LIND DATE
INDEXED H. E. OTT DATE
F. B. 2[illegible] PG. 8

76S420 353 8-49

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M. #11	947744					
+	3230		3310			
π	950474	-6,840	-6840			
-	10070		10150			
T.P.	940404					
+	1848		2010			
π	942252	-5,077	-5078			
-	6925		7088			
Sta Z-1	935327				935.328	Sta Z-1 C.S. Mon Flush
+	1723		1858			
π	937050	-8127	-8127			
-	9850		9985			
T.P.	927200					
+	1788		1824			
π	928988	-8357	-8356			
-	10145		10180			
T.P.	918843					
+	1340		1478			
π	920183	-8750	-8752			
-	10090		10230			
T.P.	910093					
+	1292		1398			
π	911385	-9818	-9.8.19			
-	11110		11217			
T.P.	900275					
+	0473		0415			
π	900748	-11,212	-11.210			
-	11685		11625			
T.P.	889063					

NOTES RED. JOB NO. 0021.64 SURVEY OF P.B. LANDSLIDE
DATE SURVEY BY C.K.
NOTES CHKD. R. J. MITCHELL NOTES BY LIND DATE 6-18-62
DATE INDEXED H. E. OTT DATE

F.B. 2955 PG. 9

76S420 353 8-49

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	889063					
+	0405		0.503			
π	889468	-11.119	-11.121			
-	11524		11.624			
T.P.	877944					
+	0908		1036			
π	878852	-10.476	-10.474			
-	11384		11510			
T.P.	867468					
+	0600		0900			
π	868068	-9327	-9330			
-	9927		10230			
BM 50-10	858141				858.141	BM 50-10
+	4713		4546			C.S. MON.
π	862854	-7017	-7016			
-	11730		11562			
T.P.	851124					
+	1551		1290			
π	852675	-10.134	-10.135			
-	11685		11425			
T.P.	840990					
+	0652		0776			
π	841642	-10.636	-10.634			
-	11288		11410			
T.P.	830354					
+	1050		1123			
π	831404	-10440	-10442			
-	11490		11565			
T.P.	819914					

NOTES RED. DATE
NOTES CHKD. R. J. MITCHELL DATE
JOB NO. 0021.64 SURVEY OF P. B. LANDSIDE
SURVEY BY C. K. LIND DATE 6-13-62
NOTES BY LIND DATE
INDEXED H. E. OTT DATE
F. B. 294 PG. 14

76S420 353 8-49

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	819914					
+	0670		0450			
π	820584	-10.842	-10.844			
-	11512		11.294			
T.P.	809072					
+	0837		0918			
π	809909	-10.236	-10234			
-	11073		11152			
T.P.	798836					
+	0600		0868			
π	799434	-4955	-4955			
-	5555		5823			
Sta Y-4	793.881				793.881	Sta Y-4 CS Mon.
+	2661		2860			
π	796542	-8.889	-8485			
-	11150		11345			
T.P.	785392					
+	1190		1677			
π	786582	-8220	-8223			
-	9410		9900			
TBM # 12	777172				777.172	TBM #12
+	7326		7210			
π	784498	-4237	-4236			
-	11563		11446			
T.P.	772935					
+	1170		0895			
π	774059	-10.420	-10.415			
-	11540		11310			
T.P.	762515					

NOTES RED. ____ JOB NO. 0021.64 SURVEY OF P.B. LANDSLIDE
DATE ____ SURVEY BY C.R. LIND
NOTES CH. R. J. MITCHELL NOTES BY LIND DATE 6-13-62
DATE ____ INDEXED H. E. OTT DATE ____

F.B. 2955 PG. 11

76S420 353 8-49

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	762 515					
+	0403		0706			
π	762914	-4818	-4819			
-	5221		5525			
TP	757697					Rock
+	1885		2030			
π	759582	-9320	-9324			
-	11205		11354			
TP	748377					
+	0227		0383			
π	748604	-11.043	-11.047			
-	11270		11430			
TP	737334					
+	0340		0454			
π	737674	-11.400	-11.400			
-	11740		11854			
TP	725934					
+	0744		0643			
π	726678	-10896	-10.897			
-	11640		11540			
TP	715038					
+	0806		0730			
π	715844	-10.796	-10.796			
-	11602		11526			
TP	704242					
+	0668		0738			
π	704910	-9268	-9267			
-	9936		10005			
TP	694974					

JOB NO. 0301.02 SURVEY OF Port Bend Landslide
SURVEY BY C. W. Lind DATE 6-13-62 NOTES RED. DATE
NOTES BY LIND DATE NOTES CHKD. DATE
INDEXED H. E. OTT DATE

F. B. 2/24 PG. 12

76S420 353 8-49

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION					
TP	694974										
+	0380		0357								
π	695354	-11.320	-11.318								
-	11700		11675								
TP	683654										
+	0380		0457								
π	684034	-7620	-7623								
-	8000		8080								
TBM # 13	676034				676.032	TBM	#13	RL	IN	CULVERT	
+	0990		0807								
π	677024	-10.684	10683								
-	11674		11490								
TP	665350										
+	0502		0633								
π	665852	-10.805	-10.805								
-	11307		11438								
TP	654545										
+	1012		1100								
π	655557	-6.961	-6.960								
-	7973		8060								
BM 50-11	647584				647.584	BM	50-11	C.S.	MON		

NOTES RED. _____ JOB NO. 002164 SURVEY OF P.B. LANDSLIDE
DATE _____ SURVEY BY C. K. LIND
NOTES CHKD. R. A. MITCHELL NOTES BY LIND DATE 6-13-62
DATE _____ INDEXED H. E. OTT DATE _____

F.B. 2955 PG. 13

Profile No. | Notes Red | Plotted | Job No. 0021.64 | Division No. 11 | F.B. 7955 PG. 15

Date | Date | Survey of P.B. LANDSLIDE

X-Sec. No. | Notes Chkd. | Checked R. J. MITCHELL | Survey by LIND | Notes LIND Date 6-15-62

Date | Date | Map No. | Indexed H. E. OTT Date JUN 27 '62

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
					Jn 0021.64
					PORTUGUESE BEND LANDSLIDE
					RE-RUN OF LEVELS
					OVER
					LEVEL LINE # 1
			6-15-62		
		LC LIND			
		HUCKABY			
	RODRIGUEZ				

76L-298 CE 307 11-58

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	Line #1	6-15-62
P.B. # 9	4608	408 750		404 142	P.B. #9 EL. =	404.142
T.P.	6365	411 343	3772	404 978		
T.P.	6111	414 514	2940	408 403		
P.I. 5-B			4429	410 085	P.I. # 5-B	C.S. Mon.
T.P.	1902	413 514	2902	411 612		
TBM # 30	1269	406 583	8200	405 314	Spk in Culvert	
T.P.	6342	406 955	5970	400 613		
T.P.	5340	409 246	3049	403 906		
P.I. # 4-C			3349	405 897	P-I 4-C	C.S. Mon.
T.P.	9043	415 367	2922	406 324		
T.P.	9020	423 967	0420	414 947		
T.P.	5445	425 567	3845	420 122		
T.P.	4289	426 056	3800	421 767		
Sp Hills G-7			5325	420 731	C.S. Mon.	
" " RM #7			4402	421 654	C.S. Mon.	
T.P.	0200	414 594	11662	414 394		
T.P.	1482	407 488	8588	406 006		
T.P.	0205	396 358	11335	396 153		
T.P.	0206	395 349	11215	395 143		
T.P.	1690	379 319	7720	377 6[illegible]		
P.I. # 3			6343	372 976	C.S. Mon.	

F.B. 2955 Pg. 16
Job No. 00 21.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. Land Slide Date No.
Survey by Land Notes Chk'd Checked X-Sec.
Indexed H. E. OTT Date Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE # 1 (CONT.)
P.I. #3	1.021	373.997		372.976	C.S. MON.
T.P.	0.587	363.297	11.287	362.710	
T.P.	0.235	351.991	11.541	351.756	
T.P.	1.893	342.484	11.400	340.591	
T.P.	1.650	336.822	7.312	335.172*	T.P. LARGE ROWL
	BEG SIDE LINE TO H-7A, ECC'S 123				
T.P.	0.785	326.388	11.219	325.603	
T.P.	0.515	315.237	11.666	314.722	
T.P.	0.593	304.164	11.666	303.571	
T.P.	0.520	293.342	11.342	292.822	
T.P.	3.329	285.581	11.090	282.252	
	9.282	291.828	3.035	282.546	
H-7A			3.444	288.384	
H-7A ECC #1			3.657	288.171	
" " 2			3.604	288.224	
" " 3			3.623	288.205	
	END SIDE LINE				
T.P.	0.413	335.585		335.172*	(CONT.)
T.P.	0.283	325.296	10.572	325.013	
T.P.	0.978	315.677	10.597	314.699	
T.P.			11.445	304.232	

Profile No. ___ Notes Red. ___ Plotted ___ Job No. 00214 Division No. 11 F.B. 2955 Pg. 17
X-Sec. No. ___ Date ___ Date ___ Survey of PORT BEND LANDSLIDE
Notes Chkd. ___ Checked [illegible] Survey by LIND Notes LIND Date 6-15-[illegible]
Date ___ Date ___ Map No. ___ Indexed H. E. OTT Date ___

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	LINE #1 (CONT.)
T.P.	1048	305 280		304 232	
T.P.	0657	294 765	11 172	294 108	
T.P.	0515	284 178	11 102	283 663	
P.B # 10	2224	281 800	4 602	279 576	C.S. Mon.
T.P.	1459	271 594	11 665	270 135	
T.P.	1275	264 309	8 560	263 034	
T.P.	0906	253 945	11 270	253 039	
T.P.	0225	243 280	10 890	243 055	
T.P.	2258	234 175	11 363	231 917	
T.P.	2071	226 014	10 232	223 943	
T.P.	3513	218 109	11 418	214 596	
W.F. # 1	7017	217 525	7601	210 508	
T.P.	3202	211 006	9721	207 804	
Stg - P-1			11 728	199 278	Stg P-1 C.S. Mon.
T.P.	0237	199 635	11 608	199 398	
T.P.	0740	189 713	10 662	188 973	
T.P.	0833	179 546	11 000	178 713	
T.P.	4872	175 728	8 690	170 856	
TBM # 31			8 622	167 106	TBM # 31 EL = 165.050
					LIFT IN CURB

F.B. 7435 PG. 18
Job No. 002164 Division No. 11 Notes Red Plotted Profile
Survey of P.B. Land Sec. 26 Date Date No.
Survey by Land Notes Chkd. K. J. MITCHELL Checked X-Sec.
Indexed H. E. OTT Date Date No.

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0021.64 Division No. 11 F.B. 2955 Pg. 14

X-Sec. No. ____ Notes C[redacted] Date ____ Checke[redacted] Date ____ Survey of P.B. LANDSLIDE Survey by LIND Notes LIND Date 6-18-62 Map No. ____ Indexed H. E. [redacted] Date JUN 27 '62

L.M. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN OF LEVELS

OVER

LEVEL LINE # 3

STATION	B.S.	H.I.	F.S.	ELEV.
		LIND	6-18-62	
		GLIDDEN		
		RODRIGUEZ		

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

Do not extend notes this side of this line.

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

761-248 CE 307 11-58

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
TBM 34-15A	1290	232 277		230 987	TBM 34-15A	EL= 230.987
T.P.	0 462	222 209	10530	221 747		
T.P.	2290	214 572	9927	212 282		
T.P.	3 495	212 131	5936	208 636		
T.P.	4369	209 919	6590	205 541		
K-13	5681	207 429	8162	201 748		
T.P.	0512	198 689	9252	198 177		
T.P.	0326	189 409	9 05	189 074		
T.P.	1 111	179 296	11215	178 185		
K-10 B			9661	169 635		
K-10 A	2318	175 052	6562	172 734		
K-10			7744	167 308		
K-10 C	4948	173 139	6861	168 191		
T.P.	4520	171 262	6397	166 742		
K-9B			9390	161 872		
K-9A			7748	163 514		
K-9	2674	161 965	11 971	159 291		
K-8A			4122	157 843		
K-8B	6092	161 561	6496	155 469		
T.P.	0230	152 343	9448	152 113		
T.P.			11268	141 075		

F.B. 7955 Pg. 20 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of R.B. Land Sc. Dir Date Date No.
Survey by Lind Notes Lind Notes Chkd R. L. Mitchell Checked X-Sec.
Indexed H. F. Ott Date Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

Profile Notes Red Plotted Job No. 00264 Division No. 11 F.B. 7951 Pg. 21
No. Date Date Survey of A.B. LANDELL DE
X-Sec. Notes Checked Checked Survey by C.E. LIND Notes LIND Date 6-18-62
No. Date Date Map No. Index# H. E. OTT Date JUN 2 '62

STATION	B.S.	H.I.	F.S.	ELEV.	
T.P.	1243	142 318		141 075	
T.P.	8080	142 144	8254	134 064	
K-5	6140	142 144	6140	136 004	C.S. Mon.
TP	0540	134 604	8080	134 064	
T.P.	0552	125 097	10059	124 545	
	1625	116 201	11521	113 576	
W-3			5629	110 572	C.S. Mon
T.P.	3070	109 140	10125	106 074	
K-5 Aux	2368	102 122	7392	101 754	K-5 Aux C.S. Mon.
T.P.	0610	91 177	11555	90 567	
TP	1642	81 562	11257	79 920	
K-4			6447	75 115	C.S. Mon
T.P.	0180	70 129	11613	69 949	
T.P.	4467	62 691	11905	58 224	
TBM #78			6863	55 828	
T.P.	3715	60 606	5800	56 891	
Stg K3A			6297	54 309	K-3A C.S. Mon.
T.P.	0271	49 350	11547	49 077	
T.P.	0715	39 445	10620	38 730	
T.P.	4515	43 378	0582	38 863	
K-2A			6188	37 190	Stg K-2A 2" AP

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	LINE # 3
		43 378			
T.P.	1705	34 885	10198	33180	
T.P.	6955	35500	6340	28545	*
	"BEG SIDE LINE TO P.B. #1"				
T.P.	5790	35 550	5740	29760	
T.P.	1304	25 734	11120	24430	
T.P.	0397	18 527	7604	18130	
P.B. #1			10 910	7617	P.B. #1
		END SIDE LINE			
T.P.	0378	28 923		28 545	*
T.P.	0230	17 484	11 669	17254	
T.P.	5005	17 009	5480	12004	
T.P.	5789	16 438	6360	10 649	
T.P.	4149	11 847	8740	7698	
P.B. 6-A	6980	6802	11 525	0322	P.B. #6A SPK IN ROCK
T.P.	4605	7727	3680	3122	
T.P.	5267	9454	3540	4187	
T.P.	9220	14022	4652	4802	
P.B. #8			6020	8002	P.B. #8 EL= 7994
					SPK IN SEA WALL

F.B. 7994 PG. 0021.64 Job No. Division No. 11 Notes Red Plotted Profile
Survey of P. [illegible] AND SLIDE Date No.
Survey by [illegible] Notes LINDMO Notes Chkd. R. J. MITCHELL Checked X-Sec.
Indexed [illegible] Date Date No.

Profile No. ____ X-Sec. No. ____ | Notes Red ____ Date ____ | Notes Ch. R. L. MITCHELL Date ____ | Plotted ____ Date ____ | Checked ____ Date ____ | Job No. 00 21.64 | Division No. 11 | Survey of P.B. LANDSLIDE | Survey by LIND | Map No. ____ | Notes LIND Date 6-19-62 | Indexed H. E. OFF Date JUN 21 '62

F.B. 1955 PG. 23

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
					4-H 00 21 64 PORTUGUESE BEND LAND SLIDE
					RE: RUN OF LEVELS OVER LEVEL LINE #2
					6-19-62
					LIND HAUGABY
					RODRIGUEZ VALDEZ

76L-298 CE 307 11-58

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	LINE # 2	6-19-62
P.B. #9	4133	408 275		404 142	P.B. #9	C.S. MON.
T.P.	6685	411 270	3690	404585		
T.P.	5763	413 566	3467	407 803		
P.B. 9B	7965	417 734	3797	409769	P.B. 9B	Bt. Spk & W.
P.B. 9A	8838	423 027	3545	414189	P.B. 9A	" "
T.P.	9905	426 592	6340	416687		
	10 335	430 500	6427	420 165 *		
	BEG	SIDE	LINE	TO B-1-C		
T.P.	11 050	440 989	0561	429939		
T.P.	7123	445 775	2337	438 652		
B-1-C			3465	442310	B-1-C	CE MON.
	END	SIDE	LINE			
T.P.	2570	422 735		420 165 *		
T.P.	0912	412 422	11 225	411 510		
P.T. #1			4162	408 260	Bt. Spk	
B-1-B	6232	412 749	5905	406 517	C.S. MON	
T.P.	0950	406 394	7305	405 444		
T.P.	0204	395 533	11 065	395329		
T.P.	0305	385 072	10766	384 767		
T.P.	1058	375 298	10 832	374 240		
T.P.			11 230	364 068		

F.B. 1955 Pg. 24
Job No. 0021.64 Division No. " Notes Red Plotted Profile
Survey of P.B. LANDSLIDE Date Date No.
Survey by LND Notes LIND Notes Chkd. R. J. MITCHELL Checked X-Sec.
Indexed H.E. OFF Date Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE # 2 CONT. 6-19-62
T.P.	1912	365 989		364 068	
T.P.	0695	355 322	11 353	354 627	
T.P.	2074	347 146	10 250	345 072	
BM 50-12			7919	339 227	BM 50-12 C.S. MON
T.P.	11 650	358 396	0400	346 746	
T.P.	9 060	365 563	1893	356 503 *	
	BEG SIDE LINE TO STG. DAVIS				
T.P.	10 918	376 037	0444	365 119	
T.P.	11 381	386 848	0570	375 467	
T.P.	7323	392 441	11 730	385 118	
Stg DAVIS			2133	390 308	Stg DAVIS C.S. MON.
	END SIDE LINE				
T.P.	9033	365 536		356 503 *	
T.P.	2581	367 117	1000	364 536	
RADIAL 1			8908	358 209	RADIAL 1 C.S. MON.
T.P.	2039	359 241	9915	357 202	
T.P.	1993	349 632	11 602	347 639	
T.P.	1270	339 361	11 541	338 091	
T.P.	3267	331 328	11 300	328 061	
Stg A-3	5650	326 357	10621	320 707	Stg A-3 C.S. MON
Stg A-4			4157	322 200	Stg A-4 C.S. MON

Profile Notes Red ____ Plotted ____ Job No. 0021.44 Division No. 11 F.B. 1955 PG.
No. ____ Date ____ Date ____ Survey of P.B. LANDSIDE
X-Sec. Notes Chkd. R.J. MITCHELL Checked ____ Survey by LIND Notes LIND Date 6-19-62
No. ____ Date ____ Date ____ Map No. ____ Indexed H.E. OTT Date ____

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0021.64 Division No. 11 F.B. 1955 PG. 27

X-Sec. No. ____ Notes Ch[illegible] R. L. MITCHELL Date ____ Checked ____ Date ____ Survey of P.B. LANDSLIDE Survey by LIED Notes LIED Date 6-20-62 Map No. ____ Indexed H. E. OTT Date JUN 27 '62

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

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

Do not extend notes this side of this line.

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

JN. 0021.64

PORTUGUESE BEND LANDSLIDE

RE: RUN OF LEVELS

OVER

LEVEL LINE # 4

6-20-62

MYERS
RODRIGUEZ
VALDEZ
HULKABY

76L-298 CE 307 11-58

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	LINE #4	6-20-62
TBM #34-15A	3350	234 337		230 987	TBM # 34-15A	EL= 230.987
TP	3470	231 954	5853	228 484		
TP	3047	228 831	6170	225 784		
TP	2162	224 711	6282	222 549		
TP	3210	221 054	6867	217 844		
TP	4430	217 696	7788	213 266		
T.B.M. 50-13A	3139	213 510	7325	210 371	T.B.M. 50-13A SPK. IN PRE-MIX CB.	
B.M. 50-13	2910	210 933	5487	208023	B.M. 50-13 C.E. MON	
T.P.			0740	210193	* HOLD FOR LINE AHEAD	
T.P.	0257	203 701	7489	203 444	* BEGIN SIDE LINE	
T.B.M. #15	6708	203 745	6664	197 037	T.B.M. #15 SPK. IN HD. WALL	
T.P.	6034	208 877	0902	202843		
J-5			10605	198272	J-5 C.E. MON * END SIDE LINE	
T.P.	6489	216 682		210193	* HOLD POINT	
RAD. #2 ECC. #1	10762	218 944	8500	208182	RAD #2 ECC #1 3/4 CAPPED PIPE	
J-4	1360	215 854	4450	214494	J-4 C.E. MON.	
J-3	9624	220 273	5205	210 649	J-3 C.E. MON.	
T.P.	1764	210 857	11180	209093		
J-1			10808	200049	J-1 C.E. MON.	
T.P.	10430	216 617	4670	206187		
T.P.			0382	216 235		

F.B. 4 Pg. 28 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of LANDSLIDE Date 6-20-62 Date No.
Survey by K. MYERS Notes Chk'd Checked X-Sec.
Indexed H.E. OTT Date Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE #4	6-21-62
TP	11 794	228 029		216 235		
TP	11 230	239 077	0182	227 847		
J-1A	2 000	231 660	9417	229 660	J-1A C.E.MON.	
TP	0 370	220 557	11473	220187		
TP	4 820	213 835	11538	209 015		
TP	0 567	202 956	11490	202389		
TP			6740	196 216 *	TP HOLD FOR LINE AHEAD	
TP	0 915	195 682	8189	194 767 *	BEGIN SIDE LINE	
TP	0 852	189 531	7003	188 679		
TP	1 257	179 164	11624	177 907		
TP	0 755	168 604	11315	167 849		
TP	0 488	157 539	11553	157 051		
TP	1 297	147 761	11075	146 464		
TP	1 204	138 145	10820	136 941		
BM.#25			11405	126 740 *	(END SIDE LINE) TBM #25 SPK IN CONC. WALL	
	2142	198 358		196 216 *	HOLD POINT	
TP	0 703	188 741	10320	188 038		
TP	8 440	195 846	1339	187 406		
TP	3665	198 142	1369	194 477		
M.34-17A			5767	192 375	B.M. 34-17A C.E. MON.	

Profile Notes Red Plotted Job No. 0021.64 Division No. 11
No. X-Sec. Date Date Survey of P.B. LANDSLIDE
Notes Checked Survey by K.LIND Notes K.LIND Date 6-20-62
No. Date Date Map No. Indexed H. E. CH Date

F. B. 2255 Pg. 29

76L-298 CE 307 11-56

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	LINE #4	6-21-62
B.M. 34-17A	4660	197 035		192 375	B.M. 34-17A C.E. MON. (NOTE: THIS B.M. WAS	
TP * TBM see pg. 37	4818	197 761	4092	192 943	DESTROYED 6-22-62 BY ROAD CONST.)	
TP	5962	197 263	6460	191 301		
TP	0933	192 281	5915	191 348		
T.P.			11 342	180 939	* HOLD FOR LINE AHEAD	
T.P.	11428	201 019	2690	189 591	* BEGIN SIDE LINE TO P-4	
TP	9507	210 146	0380	200 639		
TP	11 517	219 430	2233	207 913		
TP	11003	227 949	2484	216 946		
TP	10895	238 201	0643	227 306		
TP	11943	249 322	0822	237 379		
T.P.	11605	259 422	1505	247 817		
T.P.	11960	270 825	0557	258 865		
TP	11 355	280 780	1400	269 425		
T.P.	11963	292 535	0208	280 572		
TP	11447	303 355	0627	291 908		
P-4			0896	302 459	* P-4 C.E. MON. END SIDE LINE	
T.P.	0330	181 269		180 939	* HOLD POINT	
TP	0490	171 079	10680	170 589		
B.M. 34-18			2429	168 650	B.M. 34-18 C.E. MON	
			9721	161 358	* HOLD FOR LINE AHEAD	

F.B. 1955 Pg. 30
Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. LANDSLIDE Date 6-21-62 Date No.
Survey by K.L. Notes K. MYERS Notes Chk. R. L. MITCHELL Checked X-Sec.
Indexed H. E. OTT Date Date No.

76L-298 CE 307 11-58

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

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

0695

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #4	6-21-62
		171 079				
T.P.	11 327	181 711	0695	170384	* BEGIN SIDE LINE TO P-3A	
T.P.	10518	191 644	0585	181 126		
T.P.	8654	193 948	6350	185294		
P-3A			3550	190398	* P-3A C.E. MON. END SIDE LINE	
TP	1220	162 578		161 358	* HOLD POINT	
P-3	6610	164 658	4530	158048	P-3 L&T-C.E. TAG IN CONC. CURB.	
P.	6043	166 562	4139	160519		
P.	5813	168 174	4201	16236		
P-2	7054	170 432	4796	163 378	P-2 L& C.E. TAG IN CONC. CURB.	
B.M. #31			3350	167 082	T.B.M. #31 END LEVEL LINE #4	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of P.B. LANDSLIDE
Notes Chk'd R. L. MITCHELL Checked ____ Survey by K. LIND Notes K. MCNERS Date 6-21-62
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 1955 PG. 31

F.B. 2955 PG. 32

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. _____

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

76L-298 CE 307 11-58

PLEASE 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.

Profile	Notes Red	Plotted	Job No. 0021.64	Division No. 11	F.B. 2955	PG. 33
No.	Date	Date	Survey of Portuguese Bend Landslide			
X-Sec.	Notes Ch. R. L. MITCHELL	Checked	Survey by LIND	Notes LIND	Date 6-22-62	
No.	Date	Date	Map No.	Indexed H. E. OTT	Date JUN 27 '62	

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN OF LEVELS

OVER

LEVEL LINE # 5

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

6-22-62
LIND
MYERS
HUCKABY
RODRIGUEZ
VALDEZ

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

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

Do not extend notes this side of this line.

761-298 CE 307 11-58

76L/298 CE 307 11-58

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

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

Do not extend notes this side of this line.

F.B. 2957 Pg. 34 Job No. 0021.04 Division No. 11 Notes Red Plotted Profile
Survey of E. Z. Land Dev. Date Date No.
Survey by Ayres Date Notes Checked R. J. MITCHELL X-Sec.
Indexed T. E. Elliott Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV	Line # 5	6-22-62
P.B. 9-B	1670	411 439		409 769	BM PB 9-B	Elev 409.769
T.P.	0390	400 495	11 334	400 105	PER M.M. 24	
T.P.	0423	389 678	11240	389 255		
T.P.	1530	380 030	11178	378 500		
T.P.	0377	369 439	10968	369 062		
T.P.	0891	358 587	11743	357 696		
S.B. #3	10223	363 072	5738	352 849	S.B. #3 Spk. W&T	
T.P.	10250	372 897	0425	362 647		
T.P.	10964	383 561	0300	372 597		
S.B. #2	8808	392 039	0330	383 231	S.B. #2 Spk. W&T	
S.B. #1	7765	396 314	3490	388 549 *	S.B. #1 Spk. W&T	HOLD FOR LINE AHEA
S.B.-1A			4620	391 694	S.B.-1A C.E. MON.	
T.P.	7538	401 272	2580	393 734 *	BEGIN SIDE LINE TO WEST FIX	
WEST FIX			7450	393 822 *	WEST FIX C.E. MON. END SIDE LINE	
S.B. # 1	5965	394 514		388 549 *		
T.P.	3380	397 421	0473	394 041		
P.T. # 2 Adj x 3			5573	391 848	Bk. Spk. & W.	
T.P.	0389	386 868	10947	386 479 *		
T.P.	0920	376 424	11 352	375 504		
P.T. # 4			10270	366 154 *		

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
P.T. # 4	2245	368 401		366 156		
	BEG SIDE LINE TO H-2 & H-4					
T.P.	0646	357 327	11 720	356 681		
T.P.	0860	346 787	11 400	345 927		
T.P.	0617	336 204	11 200	335 587		
H-2	1917	327 001	11 120	325 084	C.S. MON	
T.P.	3110	319 121	10 990	316 011		
H- 4			9 980	309 141	2" I.P. & tag	
	END SIDE LINE					
P.T. # 4	2280	368 436		366 156		
T.P.	0960	358 174	11 222	357 214		
T.P.	0930	347 882	11 222	346 952		
PT# 5	1424	338 316	10 990	336 892	Bt. Spk & W.	
T.P.	0763	327 286	11 793	326 523		
T.P.	0804	317 435	10 655	316 631		
P.T. #6 AUX3	7902	317 330	8 007	309 428	* Bt. Spk W. & TIN	
	BEG SIDE LINE					
T.P.	0505	307 354	10 481	306 849		
T.P.	1045	297 685	10 714	296 640		
	2677	288 652	11 710	285 975		
I- 2			8 469	280 183	2" I.P.	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0021 64 Division No. 11 F.B. 2955 PG. 35

X-Sec. No. ____ Notes Chk'd ____ Date ____ Checked ____ Date ____ Survey of D.B. LAND SLIDE Survey by LIND Notes LIND Date 6-22-[illegible]

Map No. ____ Indexed H. E. OTT Date ____

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

F.B. 2194 Pg. 36 Job No. 00 21 Division No. 11 Profile
Survey of LB Lake 52 nc Notes Red Date No.
Survey by Kyd Notes Line Date Notes Chkd. Date Checked Ed MITCHELL X-Sec.
Indexed H.E. LOEW Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV	
		288 652			
T.P.	7428	292 317	3763	284 889 ✓	
T.P.	9990	298 884	3423	288 894 ✓	
Railsley			4050	294 834 ✓	C.S. Hon.
		End Side Line			
PT ⊄ CA x 3	1529	310 957		309 428 ✓	B.M. Spk W ⊄ Tie.
T.P.	0624	299 793	11788	299 169 ✓	
T.P.	1100	289 753 ✓	11140	288 653 ✓	
T.P.	1280	279 069	11964	277 789 ✓	
T.P.	1035	268 634	11470	267 599 ✓	75
T.P.	0181	257 315	11500	257 134 ✓	50
T.P.	0820	247 145	10990	246 325 ✓	
T.P.	0614	237 659	10100	237 045 ✓	
T.P.	0573	226 520	11712	225 947 ✓	
T.P.	1515	217 081	10954	215 566 ✓	
T.P.	0324	206 115	11290	205 791 ✓	
B.M. - C			3345	202 770 ✓	LD Dept. Hon.
T.P.	2178	197 183	11110	195 005 ✓	
T.P.	11104	207 639	0648	196 535 ✓	
T.P.			0264	207 375 ✓	

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
T.P.	11 990	219 365		207 375		
Sty K-1			6 663	212 702	C.S. Mon	
			END	SIDE	LINE	
BM "C"	0 837	203 607		202 770 *	ROAD DEPT	
T.P.	2 563	195 800	10 370	193 237		
T.P. TBM			2 870	192 930 *	EL= 192.943	PER. pg 30 - LINE 2

Profile No. X-Sec. No.
Notes Red Date
Notes Chkd R.H. MITCHELL Date
Plotted Date
Checked Date
Job No. 0021.64 Division No. 11
Survey of P.B. LANDSLIDE
Survey by LIND Notes LIND Date 6-22-62
Map No. Indexed H. E. OTT Date

F.B. 2955 PG. 37

Profile No. | Notes Red | Plotted | Job No. 0021.64 | Division No. 11 | F.B. 2955 PG. 39

X-Sec. No. | Notes Chkd. | Checked | Survey of PORTUGUESE BEND LANDSLIDE AREA

Date | Date | Survey by KLIND | Notes K.M. | Date 7-16-62

Map No. | Indexed C. J. GALLI | Date JUL 24 '62

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE AREA

RERUN OF LEVELS OVER LINE #3

7-16-62

LIND, K

MYERS, K

HUCKABY, V

VALDEZ, G

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

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE AREA	LEVEL LINE #3
BM. ~~34-17A~~ 34-18A	0580	231 567		230 987	~~BM. 34-17A~~ BM. 34-15A HY	
T.P.	1992	222 373	11 186	220 381		
T.P.	2660	214 523	10510	211 863		
T.P.	3803	211 865	6461	208062		
T.P.	1 585	207 420	6030	205835		
K-13			5673	201747	K-13 2" I.P. CONC. PLUG & BT. SPK	
T.P.	1130	198 530	10020	197400		
T.P.	0860	187 662	11728	186802		
T.P.	1 465	177 977	11150	176 512		
K-10A			5238	172739	K-10A SPK W&T	
K-10B			8340	169637	K-10B 2" I.P. CONC. PLUG & BT. SPK	
K-10	4938	172 255	10660	167 317	K-10 C.E. MON.	
K-10C			4050	168205	K-10C L&T IN CONC. CURB.	
K-9A	6774	170299	8730	163525	K-9A SPK. W&T	
K-9B			8408	161891	K-9B 2" I.P. CONC. PLUG & BT. SPK	
K-9	3930	163 239	10990	159309	K-9 ¾" I.P. & C.E. TAG.	
K-8A			5377	157862	K-8A SPK. W&T.	
K-8B			7790	155489	K-8B 2" I.P. CONC. PLUG & BT. SPK.	
T.P.	1322	152 653	11908	151331		
T.P.	1180	142 072	11761	140892		
			9950	132122		

F.B. 2955 Pg. 20 Job No. 00 21 64 Division No. 11 Notes Red Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 7-16-62 Date No. X-Sec.
Survey by K. LIND Notes K. MYERS Notes Chkd. Checked
Indexed J. GAIL Date Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

P.B. LANDSLIDE AREA LEVEL LINE #3

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	9.230	141.352		132.122	
K-5	5.320	141.352	5.320	136.032	K-5 C.E. MON.
T.P.	2.020	134.142	9.230	132.122	
T.P.	0.525	124.127	10.540	123.602	MOST SOUTHERLY TRAFFIC DISC. IN FRONT OF HSE. #84
T.P.	1.881	114.180	11.828	112.299	
W-3			3.575	110.605	W-3 C.E. MON.
T.P.	3.761	108.366	9.575	104.605	
-5 Aux			6.584	101.782	K-5 AUX. C.E. MON
D.	0.858	97.700	11.518	96.848	
T.P.	0.595	88.041	10.260	87.446	
T.P.	1.370	80.005	9.406	78.635	
K-4			5.000	75.005	K-4 C.E. MON.
T.P.	0.852	69.118	11.735	68.266	
T.P.	4.350	62.637	10.831	58.287	
T.B.M. #28	6.100	62.849	5.888	56.749	T.B.M. #28 BT. SPK IN CONC.
K-3A			8.550	54.299	K-3A C.E. MON.
T.P.	1.546	53.854	10.541	52.308	
T.P.	2.880	45.138	11.596	42.258	
T.P.	9.730	44.104	10.764	34.374	
2A			6.869	37.235	K-2A 2" I.P. CONC. PLUG & BT. SPK.
T.P.			11.109	32.995	

Profile Notes Red Plotted Job No. 00212 Division No. 11
No. Date Date Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. Checked Survey by K. LIND Notes K.N. Date 7-16-62
No. Date Date Map No. Indexed C. J. GALLI Date

F.B. 2935 Pg. 31

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE AREA LEVEL LINE #3
T.P.	1286	34.281		32.995	
T.P.	6550	35.421	5410	28.871	*HOLD FOR LINE AHEAD (START SIDE LINE)
T.P.	3264	34.961	3724	31.697	
T.P.	2005	27.103	9863	25.098	
T.P.	2405	19.151	10357	16.746	
P.B. #1			11.465	7.686	*P.B. #1 ✓ C.E. MON. (END SIDE LINE)
T.P.	1868	30.739		28.871	*HOLD POINT
T.P.	1356	22.095	10.000	20.739	
T.P.	5800	16.795	11.100	10.995	
T.P.	4405	16.140	5060	11.735	
T.P.	4162	17.634	2668	13.472	
T.P.	4201	11.403	10432	7.202	
T.P.	3740	8.233	6910	4.493	
T.P.	5343	9.428	4148	4.085	
T.P.	5160	9.928	4660	4.768	
T.P.	8548	14.226	4250	5.678	
P.B. #8			6172	8.054	P.B. #8 ✓ SPK IN SEA WALL (END LINE #3)

F.B. 2955 Pg. 42 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 7-17-62 Date No. X-Sec.
Survey by K. LIND Notes K. MYERS Notes Chkd. Checked
Indexed E. J. GALLI Date Date No.

F.B. 2955 PG. 43

Profile No. ____ X-Sec. No. ____ | Notes Red Date ____ Notes Chkd Date ____ | Plotted Date ____ Checked Date ____ | Job No. 0021.64 Division No. 11 | Survey of PORTUGUESE BEND LANDSLIDE | Survey by K. LIND Notes K.M. Date ____ | Map No. ____ Indexed C. J. GAU Date JUL 24 62

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN OF LEVELS OVER LINE # 6

7-17-62

LIND, K
MYERS, K
HUCKABY, V
VALDEZ, G

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

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE AREA	LEVEL LINE #6
B.M. 50-9	8648	1008 051		999.403	B.M. 50-9 C.E. MON.	
T.P.	0776	997 705	11122	996929		
T.P.	0206	986 527	11384	986321		
T.P.	0884	975 695	11716	974811		
T.P.	0359	964 375	11679	964016		
T.P.	0533	953 398	11.510	952865		
TBM #11			6142	947256	T.B.M. #11 PK SPK IN ROCK HD. WALL.	
T.P.	1333	943 280	11.451	941947		
STA. Z-1			7950	935330	STA. Z-1 C.E. MON.	
T.P.	0230	932 119	11 391	931889		
T.P.	0721	921 208	11 632	920487		
T.P.	1183	910920	11471	909737		
T.P.	0369	900061	11228	899692		
T.P.	0959	889 200	11 820	888241		
T.P.	0510	878 522	11 188	878012		
T.P.	0299	867 212	11609	866913		
B.M. 50-10			9055	858157	B.M. 50-10 C.E. MON.	
T.P.	0664	856 686	11190	856022		
T.P.	0418	845 523	11 581	845105		
T.P.	0654	834260	11917	833606		
T.P.			11 189	823071		

F.B. 2955 Pg. 44
Job No. 002164 Division No. 11 Notes Red Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 7-17-62 Date No. X-Sec.
Survey by K. LIND Notes K. MYERS Notes Chkd. Checked Date No.
Indexed I. I. GALL Date Date

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	P.B. LANDSLIDE AREA LEVEL LINE #6
T.P.	0.488	823.559		823.071	
T.P.	0.369	812.540	11.388	812.171	
T.P.	0.225	801.414	11.351	801.189	
TA. Y-4			7.509	793.905	STA. Y-4 C.E. MON.
T.P.	3.018	793.007	11.425	789.989	
T.P.	4.270	786.825	10.452	782.555	
B.M. #12			9.621	777.204	T.B.M. #12 SPK. IN ROCK HD. WALL
T.P.	0.371	775.389	11.807	775.018	
P.	0.895	764.629	11.655	763.734	
T.P.	0.829	753.795	11.663	752.966	
T.P.	0.529	742.716	11.608	742.187	
T.P.	0.726	732.007	11.435	731.281	
T.P.	0.554	721.281	11.280	720.727	
T.P.	0.431	710.546	11.166	710.115	
T.P.	0.890	699.958	11.478	699.068	
T.P.	0.860	688.996	11.822	688.136	
T.P.	0.988	678.746	11.238	677.758	
B.M. #13			2.673	676.073	T.B.M. #13 SPK. IN ROCK HD. WALL
T.P.	1.003	667.955	11.794	666.952	
P	1.278	658.195	11.038	656.917	
M. 50-11			10.573	647.622	B.M. 50-11 C.E. MON.

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F.B. 2955 PG. 45
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd ____ Checked ____ Survey by K. LIND Notes K.M. Date 7-17-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GAULL Date ____

F.B. 2955 PG. 47

Profile No. | Notes Red | Plotted | Job No. 0021-64 | Division No. 11
Date | Date | Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. No. | Notes Chkd | Checked | Survey by K. LIND | Notes K.M. | Date 7-18-62
Date | Date | Map No. | Indexed C. J. GALLI | Date JUL 24 '62

J.N. 0021.64

PORTUGESE BEND LANDSLIDE

RE-RUN OF LEVELS OVER LEVEL LINE #2

7-18-62
LIND, K
MYERS, K
HUCKABY, V
VALDEZ, G

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

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE - LEVEL LINE #2
P.B. #9	3.852	407.994		404.142	P.B. #9 C.E. MON.
T.P.	5.841	410.095	3.740	404.254	
T.P.	5.530	412.543	3.082	407.013	
P.B.-9B	7.143	416.929	2.757	409.786	P.B.-9B SPK & W
P.B.-9A	7.201	421.401	2.729	414.200	P.B.-9A SPK. W & T
T.P.	10.815	430.338	1.878	419.523	*HOLD FOR LINE AHEAD (START S/L TO B-1C)
T.P.	11.228	440.803	0.763	429.575	
T.P.	8.973	448.072	1.704	439.099	
B-1C	////	////	5.765	442.307	*B-1C C.E. MON. END OF S/L
T.P.	2.710	422.233		419.523	*HOLD POINT
T.P.	1.274	412.659	10.848	411.385	
PEPPER TREE #1			4.508	408.151	PEPPER TREE #1 SPK. W & T
B-1B	5.978	412.349	6.288	406.371	B-1B C.E. MON.
T.P.	1.620	407.061	6.908	405.441	
T.P.	0.641	395.977	11.725	395.336	
T.P.	0.334	385.463	10.848	385.129	
T.P.	0.381	375.211	10.633	374.830	
T.P.	1.760	366.677	10.294	364.917	
T.P.	0.848	356.073	11.452	355.225	
T.P.	0.992	345.235	11.830	344.243	
B.M. 50-12			6.091	339.144	B.M. 50-12 C.E. MON.

F.B. 2955 Pg. 48

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date 7-18-62 Date No. X-Sec.

Survey by K. LIND Notes K. MYERS Notes Chkd. Checked

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

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	P.B. LANDSLIDE LEVEL LINE #2
		345.235			
T.P.	10.772	355.637	0.370	344.865	
T.P.	11.546	365.231	1.952	353.685	*HOLD FOR LINE AHEAD (START S/L TO DAVIS).
T.P.	10.970	375.934	0.267	364.964	
T.P.	10.375	384.379	1.930	374.004	
T.P.	8.590	391.343	1.626	382.753	
DAVIS	//////	//////	1.199	390.144	*DAVIS ✓ C.E. MON. (END S/L)
T.P.	11.438	365.123		353.685	*HOLD POINT
T.P.	2.005	363.848	3.280	361.843	
RADIAL #1			5.680	358.168	RADIAL #1 ✓ C.E. MON.
T.P.	3.528	361.286	6.090	357.758	
T.P.	4.218	353.674	11.830	349.456	
T.P.	1.401	343.755	11.320	342.354	
T.P.	2.916	335.943	10.728	333.027	
T.P.	3.295	328.324	10.914	325.029	
A-3	5.710	326.386	7.648	320.676	A-3 ✓ C.E. MON.
A-4			4.110	322.276	A-4 ✓ C.E. MON.

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0021.64 Division No. 11 Survey of PORTUGUESE BEND LANDSLIDE Survey by K. LIND Notes K.M. Date 7-18-62 Map No. Indexed C. J. GALLI Date

F.B. 2955 PG. 49

F.B. 2955 Pg. 51

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11

Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by K. LIND Notes K.M. Date 7-18-62

Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date JUL 24 62

J.N. 0021.64

PORTUGUESE BEND

LANDSLIDE

RE-RUN OF LEVELS OVER LEVEL LINE #1

7-18-62

LIND, K.

MYERS, K

HUCKABY, V

VALDEZ, G

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

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE LEVEL LINE #1
P.B. #9	4208	408 350		404 142	P.B. #9 C.E. MON.
T.P.	5404	410 430	3324	405026	
T.P.	6216	414 464	2182	408248	
P.I. #5B			4363	410 101	P.I. #5B C.E. MON
T.P.	5391	416 129	3726	410 738	
T.P.	1800	407 297	10632	405497	
T.B.M. #30			1970	405327	T.B.M. #30 SPK. IN LEAD IN CULVERT.
T.P.	5149	405 291	7155	400 142	
T.P.	6251	408 652	2890	402401	
P.I. #4C	4116	410 046	2722	405930	P.I. #4C C.E. MON.
T.P.	8471	416 954	1563	408483	
T.P.	8260	423 904	1310	415644	
T.P.	4965	425 184	3685	420219	
T.P.	5563	426642	4105	421079	
S.P.H. G-7 R.M. #1			4940	421702	S.P.H. G-7 R.M. #1 C.E. MON.
S.P.H. G-7			5860	420782	S.P.H. G-7 C.E. MON
T.P.	1321	420 853	7110	419532	
T.P.	1260	411 713	10400	410453	
T.P.	0927	405 080	7560	404153	
T.P.	0500	393856	11724	393356	
T.P.			11030	382826	

F.B. 2955 Pg. 52 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 7-18-62 Date No. X-Sec.
Survey by K.L. & D. Notes K. MYERS Notes Chkd. Checked No.
Indexed C. I. GAMBLE Date Date Date

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by K.LIND Notes K.M. Date 7-1-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GAU Date ____

F.B. 2955 Pg. 53

P.B. LANDSLIDE LEVEL LINE #1

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	2620	385.446		382.826	
T.P.	3.240	381.488	7.198	378.248	
I #3	1.280	374.308	8.460	373.028	PI #3 C.E.MON
T.P.	0.310	363.336	11.282	363.026	
T.P.	0.180	352.426	11.090	352.246	
T.P.	2.264	342.837	11.853	340.573	
I #1A	4.209	337.911	9.135	333.702	* PI #1A SET SPK. W&T IN PRE-MIX CURB AT
T.P.	0.326	326.411	11.826	326.085	EAST END OF DRIVEWAY TO HSE #31 NARCISSA
P.	0.377	316.185	10.603	315.808	DR. (HOLD FOR LINE AHEAD BEGIN S/L)
T.P.	0.408	304.849	11.744	304.441	
T.P.	1.188	294.294	11.743	293.106	
T.P.	10.815	296.615	8.490	285.804	
P.H. H-7A			8.170	288.449	S.P.H. H-7A C.E.MON
PH. H-7A ECC. #1			8.390	288.229	SPH H-7A ECC. #1 C.E.MON
ECC. #2			8.330	288.289	" " " " 2 " "
ECC. #3			8.347	288.272	* " " " " 3 " " (END S/L)
PI. #1A	0.348	334.050		333.702	* HOLD POINT
T.P.	0.960	323.767	11.243	322.807	
T.P.	1.000	313.962	10.805	312.962	
P. T.P.	0.466	303.132	11.296	302.666	
			11.639	291.493	

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE LEVEL LINE #1
T.P.	1135	292628		291 493	
T.P.	2447	283810	11265	281 363	
P.B. # 10			4165	279.645	P.B. #10 C.E. MON.
T.P.	1148	273 128	11830	271 980	
T.P.	0364	261 910	11582	261 546	
T.P.	1433	251 748	11595	250315	
T.P.	1871	242 659	10960	240 788	
T.P.	1868	233 570	10957	231702	
T.P.	0350	223 250	10670	222900	
T.P.	3000	219 335	6915	216335	
W.F. #1	6940	217 532	8743	210592	W.F. #1 SPK. IN STEP @ CHURCH
T.P.	2530	211 354	8708	208824	
P-1			12000	199.354	P-1 C.E. MON.
T.P.	0375	200 277	11452	199902	
T.P.	1548	190 068	11757	188 520	
T.P.	0667	180 661	10074	179994	
T.P.	4633	174 156	11138	169523	
T.B.M. # 31			7070	167 086	T.B.M. #31 L&T

F.B. 2955 Pg. 54

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date 8-19-62 Date No. X-Sec.

Survey by K. LIND Notes K. MYERS Notes Chkd. Checked

Indexed E. J. GALE Date Date No.

F.B. 2955 PG. 55

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0021.64 Division No. 11
Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by K. LIND Notes K.M. Date 7-19-62
Map No. ____ Indexed C. J. GALLI Date JUL 25 '62

U.N. 0021.64

PORTUGUESE BEND

LANDSLIDE

RE-RUN OF LEVELS OVER LEVEL LINE #5

7-19-62

LIND, K
MYERS, K
HUCKABY, V
VALDEZ, G

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

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

Do not extend notes this side of this line.

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

76-L298 CE 307 8-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE LEVEL LINE #5
P.B. #9B	0847	410 633		409786	P.B. #9B SPK & W. PER F.B. 2955-48
T.P.	0435	399 962	11106	399 527	
T.P.	0460	388 679	11743	388219	
T.P.	0500	377 398	11 781	376898	
T.P.	0988	367 438	10948	366450	
T.P.	0216	356 549	11105	356333	
T.P.	10516	362 155	4910	351639	
SWEET BAY #3			9288	352867	SWEET BAY #3 SPK. W&T
T.P.	11671	373 145	0681	361 474	
T.P.	11220	383943	0422	372723	
SWEET BAY #2	8680	391 923	0700	383243	SWEET BAY #2 SPK. W&T
*SWEET BAY #1	7866	396 407	3382	388 541	*SWEET BAY #1 SPK W&T (HOLD FOR LINE AHEAD BEGIN S/L TO WEST FIX)
T.P.	3059	398444	1022	395385	
*WEST FIX			4601	393 843	*WEST FIX C.E. MON. (END S/L)
*SWEET BAY #1	6182	394 723		388 541	*SWEET BAY #1 SPK. W&T (HOLD POINT.)
SWEET BAY 1-A			3051	391 672	SWEET BAY 1-A C.E. MON.
T.P.	4210	398 303	0630	394093	
P.T. #2 AUX 3			6474	391 829	P.T. #2 AUX 3 SPK & W.
T.P.	1730	388 331	11702	386 601	
P.T. #3			5911	382420	P.T. #3 SQ. HD. SPK. (RECOVERED)
			11032	377 299	

F.B. 2955 Pg. 56

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date 7-19-62 Date No.

Survey by Notes Checked X-Sec.

Indexed C. J. GALL Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 0271.6 Division No. 11
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by K. LUND Notes K.M. Date 7-19-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2955 Pg. 57

STATION	B. S.	H. I.	F. S.	ELEV.	P.B. LANDSLIDE LEVEL LINE #5
T.P.	0789	378 088		377 299	
T. #4	1415	367 518	11985	366 103	* D.T. #4 SPK. W&T (HOLD FOR LINE AHEAD / BEGIN SIDE LINE TO H-2&4)
T.P.	0242	356 750	11010	356508	
T.P.	0780	345 805	11725	345025	
T.P.	0432	335 035	11202	334603	
H-2	1180	326 189	10026	325009	H-2 C.E. MON.
T.P.	1653	318 944	8898	317 291	
H-4	/////	///// ////	9878	309066	* H-4 2" I.P. CONC. PLUG & TAG. (END S/L)
T. # 4	1575	367 678		366 103	P.T. #4 SPK. W&T (HOLD POINT)
T.P.	0289	356 672	11295	356383	
T.P.	0722	345 723	11671	345001	
T. # 5	1141	337 974	8890	336833	P.T. #5 SPK. W&T
T.P.	0691	327 544	11121	326853	
T.P.	0969	316 650	11863	315 681	
T. #6 AUX 3	4580	314 010	7220	309430	* P.T. #6 AUX 3 SPK. W&T (HOLD FOR LINE AHEAD / BEGIN SIDE LINE)
T.P.	0516	302 992	11534	302476	
T.P.	0179	291 776	11395	291 597	
I-2			11627	280149	I-2, 2" I.P. CONC. PLUG & TAG
T.P.	8108	293 202	6682	285094	
P.	10195	299 267	4130	289072	
BLAKESLEY			0450	298817	"BLAKESLEY" C.E. MON. (END S/L)

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE LEVEL LINE #5
*PT. #6 AUX 3	0529	309959		309430	*PT. #6 AUX 3 (HOLD POINT.)
T.P.	0700	298911	11748	298211	
T.P.	1160	288615	11456	287455	
T.P.	2475	280701	10389	278226	
T.P.	0591	271551	9741	270960	
T.P.	1691	267815	5427	266124	
T.P.	0632	257487	10960	256855	
T.P.	1013	247405	11095	246392	
T.P.	0505	236141	11769	235636	
T.P.	0979	226996	10124	226017	
T.P.	1050	218016	10030	216966	
T.P.	0222	207088	11150	206866	
B.M.-C			4295	202793	B.M.-C RD. DEPT. MON.
T.P.	7968	203951	11105	195983	
T.B.M. 34-17B			11928	192023	T.B.M. 34-17B SET SPK W&T IN PRE-MIX ISLAN
T.P.	11936	215506	0381	203570	13± W. OF EAST END ISLAND @ PEPPER TREE & PALOS VERDES DR. SOUTH
K-1			2771	212735	K-1 C.E. MON (END OF LEVEL LINE #5)

F.B. 2955 PG. 58

Job No. 002168 Division No. 11 Notes Red Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date 7-19-62 Date No. X-Sec.

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

Indexed C. J. GALLI Date Date

F.B. 2955 PG. 59

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0021.64 Division No. 11

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE

Survey by K. LIND Notes K.M. Date 7-30-62

Map No. ____ Indexed ____ Date ____

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN OF LEVELS OVER LEVEL LINE #4

7-30-62

LIND, K

MYERS, K

HUCKABY-V

VALDEZ, G

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

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	P.B. LANDSLIDE LEVEL LINE #4
TBM. 34-15A	3730	234 717		230987	T.B.M. 34-17A SPK. IN LEAD IN CONC. CURB
T.P.	4042	232 572	6187	228530	
T.P.	3041	229 769	5844	226728	
T.P.	4058	227 107	6720	223 049	
T.P.	1649	221 324	7432	219 675	
T.P.	2608	216 564	7368	213956	
T.P.	2488	212 384	6668	209896	
B.M. 50-13	3640	211 672	4352	208032	B.M. 50-13 C.E. MON.
T.P.	2024	205 706	7990	203682	
T.B.M. #15			8661	197 045	T.B.M. #15 SPK. IN ROCK CULVERT
T.P.	10800	208 698	7808	197 898	
J-5			10432	198 266	J-5 C.E. MON.
T.P.	9845	217 681	0862	207 836	
RAD #2 ECC 1			9610	208 071	RAD. #2 ECC. #1 3/4" CAPPED PIPE
T.P.	4340	219 153	2868	214 813	
J-4	2765	217 178	4740	214 413	J-4 C.E. MON.
J-3			6673	210 505	J-3 C.E. MON.
T.P.	2135	208 248	11065	206113	
J-1			8335	199 913	J-1 3/4" CAPPED PIPE
T.P.	10362	217 880	0730	207 518	
T.P.			0545	217 335	

F.B. 2955 Pg. 60

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date 7-20-62 Date No. X-Sec.

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

Indexed C. J. GALLI Date Date

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	P.B. LANDSLIDE LEVEL LINE # 4
T.P.	10 361	227 696		217 335	
T.P.	10 632	238 099	0 229	227 465	
J-1A	3 702	233 262	8 539	229 560	J-1A C.E. MON.
T.P.	0 918	222 325	11 855	221 407	
T.P.	6 738	217 118	11 945	210 380	
T.P.	1 027	206 663	11 482	205 636	
T.P.	2 138	198 301	10 500	196 163	
T.P.	6 258	194 254	10 305	187 996	
T.P.	5 102	196 371	2 985	191 269	
B.M. 34-17B	5 642	197 665	4 348	192 023	T.B.M. 34-17B SPK. W&T PER F.B. 2955-58
T.P.	4 662	197 485	4 842	192 823	
T.P.	4 870	195 735	6 620	190 865	
T.P.	1 257	186 269	10 723	185 012	
T.P.	1 140	177 301	10 108	176 161	
M. 34-18			8 627	168 674	B.M. 34-18 C.E. MON.
T.P.	2 122	168 335	11 088	166 213	*
P-3			10 250	158 085	P-3 L&C. ETAG IN CONC. CURB (HOLD FOR LINE AHEAD)
T.P.	10 628	178 547	0 416	167 919	* BEGIN SIDE LINE TO P-3A
T.P.	9 888	188 120	0 315	178 232	
T.P.	9 173	193 885	3 408	184 712	*
P-3A			3 462	190 423	P-3A C.E. MON. END SIDE LINE

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.6A Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. ____ Checked ____ Survey by K. LIND Notes K.M. Date 7-20-62
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 2955 PG 61

Profile No. | Notes Red | Date | Plotted | Date | Job No. 0021.64 | Division No. 11 | F.B. 7955 Pg. 63

X-Sec. No. | Notes Chkd. | Date | Checked | Date | Survey of P.B. LANDSLIDE | Survey by LIND | Notes LIND Date 8-13-62 | Map No. | Indexed C. J. GALLI Date AUG 21 '62

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
					W.O. 0021.64 PORTUGUESE BEND LANDSLIDE RE: RUN OF LEVELS OVER LEVEL LINE #1.
					8-13-62 LIND VALDEZ
			RODRIGUEZ RD.		
			RODRIGUEZ RD.		

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #1	8-13-62
P.B. # 9	4525	408 667		404 142	P.B. #9 EL= 404.142	
T.P.	6121	411 338	3450	405 217		
T.P.	5621	413 699	3260	408078		
P.I. # 5-B			3589	410110	P.I. # 5-B C.S. MON	
T.P.	6478	416415	3762	409937		
T.P.	1189	411 044	6560	409855		
T.B.M # 30	0945	406267	5722	405322	T.B.M # 30 SPK IN CULVERT	
T.P.	6662	406 672	6257	400010		
T.P.	6475	409 185	3962	402710		
P.I. # 4-C			3275	405 910	C.S. MON.	
T.P.	6723	411.588	4320	404865		
T.P.	11.000	421,076	1.512	410.076		
T.P.	6391	424 992	2.475	418.601		
T.P.	5650	425 689	4953	420039		
T.P.	5470	426 732	4427	421262		
R.M #1	4611	426303	5040	421692	C.S. MON.	
S.P.H. 6-7			5535	420768	C.S. MON	
T.P.	0340	415 356	11287	415016		
T.P.	0213	406 529	9000	406356		
T.P.	1847	397 921	10 495	396074		
	0446	386 496	11867	386054		

F.B. 2955 Pg. 64 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.A. LAND DSL. DIV Date Date No. X-Sec.
Survey by L.A.D. Notes Chkd. Checked Date No.
Indexed C.J. GALLI Date Date

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE # 2 CONT.
		386 496			
T.P.	2 822	382 570	6 748	379 748	
T.P.	3 934	378 669	7 835	374 735	
P.I. # 3	0 728	373 737	5 660	373 009	✓
T.P.	0 190	364 485	9 442	364 295	
T.P.	1 064	353 749	11 800	352 685	
T.P.	0 972	343 801	10 920	342 829	
P.I. # 1-A	2 000	335 671	10 130	333 671	* ✓ BA IN CURB
	BEG		SIDE	LINE	
T.P.	0 293	324 249	11 715	323 956	
T.P.	0 948	314 141	11 056	313 193	
T.P.	0 267	303 062	11 346	302 795	
	1 187	293 247	11 002	292 060	
	3 250	285 769	10 728	282 519	
	8 714	292 419	2 064	283 705	
H-7A ELL 1			4 220	288 199	H 7A ' ELL 1
ELL # 2			4 162	288 257	H 7A ' ELL # 2
H 7A			4 000	288 419	H-7A '
ELL # 3			4 177	288 242	H-7A ' ELL # 3
			END	SIDE	LINE

Profile No. ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 11 F.B. 2955 PG. 65
X-Sec. No. ____ Date ____ Date ____ Survey of P.B. LANDSLIDE
Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 8-13-62
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE # 1 (CONT.)	
P.I. # 1-A	0.645	334.310		333.671	* 1 Bt Spk in curb	
T.P.	0.540	325.075	9.781	324.535		
T.P.	1.277	315.906	10.446	314.629		
T.P.	0.312	305.313	10.905	305.001		
T.P.	2.890	296.288	11.915	293.398		
T.P.	1.698	286.926	11.060	295.228		
P.B. # 10	0.870	280.481	7.315	279.611	C.S. Mon.	
T.P.	1.145	269.960	11.666	268.815		
T.P.	1.305	260.458	10.807	259.153		
T.P.	3.254	251.948	11.764	248.694		
T.P.	1.229	243.033	10.144	241.804		
T.P.	1.864	233.772	11.125	231.908		
T.P.	0.987	223.525	11.234	222.538		
T.P.	0.677	217.022	7.180	216.345		
W.F. # 1	7.323	217.935	6.410	210.612		
	2.883	209.428	11.390	206.545		
P-1			10.008	199.420	C.E. Mon.	
T.P.	0.652	198.942	11.138	198.290		
T.P.	1.155	188.692	11.405	187.537		
T.P.	0.278	177.147	11.823	176.869		
T.B.M. # 31			9.900	167.247	TBM # 31 El=	167.050

F.B. 2 Pg. 26 Job No. 6011 Division No. 11 Notes Red Plotted Profile
Survey of R.B. LANDSLIDE Date No.
Survey by LIND Notes LIND Checked X-Sec.
Indexed C. J. GALLI Date Notes Chkd. Date No.

Profile No. | Notes Red | Plotted | Job No. 0021. 64 | Division No. 11 | F.B. 2955 | Pg. 67

Date | Date | Survey of P.B. LAND SLIDE

X-Sec. No. | Notes Chkd | Checked | Survey by LIND | Notes LIND | Date 8-7-62

Date | Date | Map No. | Indexed C. J. GALLI | Date AUG 21 '62

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
					JN 0021. 64 PORTUGUESE BEND LAND SLIDE
					LEVEL LINE # 3 8-14-62
					LIND VALDEZ RODRIGUEZ R.I.
					RODRIGUEZ R.R.

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile No. ____ Plotted ____ Date ____ Checked ____ Date ____
X-Sec. No. ____ Notes Red ____ Date ____ Notes Chkd. ____ Date ____

Bk. B1 Pg. 69
Job No. 2-1-1 Division No. 11
Survey of P.P. Lines 1 to 2
Survey by Lines 1 to 2
Notes G. Gatti
Indexed L. E. Gatti

STATION	B.S.	H.I.	F.S.	ELEV.	Line # 3	9-14-62
TBM 34-15-A	0458	231 445		230987	TBM 34-15-A EL= 230.987	
TP	0661	221 363	10 743	220 702		
TP	3310	213 636	11 035	210 328		
TP	4098	211 622	6114	207 524		
TP	1800	206 436	6586	205 038		
K-13			4683	201 753	2" I.P.	
TP	0410	198 409	8437	197 999		
TP	0430	188 597	10 242	188 167		
TP	0190	178 404	10 383	178 214		
K-10-A			5660	172 744	13T. 30K. W/ STK	
K-10-B			8763	164 641	2" I.P.	
TP	1410	171 545	8269	170 135		
K-10-C			3340	168 205	Left	
K-10			4228	167 317		
K-9-A	7000	170 524	8021	163 524		
K-9-B			8635	161 889		
K-9	3482	162 791	11 215	159 309		
K-8A			4929	157 862		
K-8				155 486		
TP	0951	152 524	11 218	151 573		
TP	0179	142 302	10 401	142 123		

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE # 3 CONT.	8-14-62
		142 302				
T.P.	6350	141 323	7329	134 973		
K-5	5 305	141 323	5305	136 018	✓	
T.P.	0 254	135 227	6350	134 973		
T.P.	1 040	126 879	9368	125 839		
T.P.	0 386	116 627	10 638	116 241		
W-3			6052	110 575	✓	
T.P.	0 874	107 015	10 486	106 141		
K 5AUX	0 990	102 736	5269	101 746	✓ C.S. MON.	
T.P.	0 391	91 667	11 460	91 276		
T.P.	0 655	80 410	11912	79 755		
K-4			5656	74 754	✓ C.S. MON.	
T.P.	0 489	69 989	10 910	69 500		
T.P.	4 421	62 607	11 803	58 186		
[illegible] # 78	6865	63.456	6016	56 591	✓	
K-3A	3.572	57.761	9267	54.189	✓ C.S. MON.	
	1.263	47.985	11.039	46.722		
	1.267	41.665	7.587	40.398		
	6.154	45.764	2.055	39.610		
			8.570	37.194	2" I.P. & BT. SPK.	
	2.603	38.316	10.051	35.713	* BEGIN SIDE LINE.	

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F.B. 2956 PG. 69
No. ____ Date ____ Date ____ Survey of P.13 LAND SL. DG
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes [illegible] Date [illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
		38.316				
T.P.	3.329	36.877	4.768	33.548		
T.P.	0.857	31.124	6.610	30.267		
	1.083	22.641	9.566	21.558		
	4.797	18.675	8.763	13.878		
P.B. # 1			11.055	7.620	C.E. MON. END SIDE LINE	
T.P.	0267	35.980		35.713	*	
T.P.	0507	28.112	8.375	27.605		
T.P.	0563	17.132	11.543	16.569		
T.P.	4.168	16.195	5.105	12.027		
T.P.	7.325	17.640	5.880	10.315		
T.P.	1.853	14.321	5.172	12.468		
T.P.	0.494	5.685	9.130	5.191		
SPK.	6.944	6.949	5.680	9.0005		
T.P.	5.025	9.419	2.555	4.394		
	7.387	10.891	5.915	3.504		
8	4.103	11.054	3.940	6.951	8	
P.B. #9			3.088	7.966	P.B. #9 El=	7.99

F.B. 2955 P.G. 2 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. LANDSLIDE Date Date No.
Survey by Ward Notes Vail Del Notes Chkd. Checked X-Sec.
Indexed C. J. GALL Date Date Date No.

Profile No. _____ Notes Red Date _____ Plotted _____ Job No. 0021.64 Division No. 11 F.B. 1955 PG. 70

X-Sec. No. _____ Notes Chkd. Date _____ Checked _____ Date _____ Survey of P.B. LANDSLIDE Survey by LIND Notes LIND Date 8-15-62 Map No. _____ Indexed C. J. GALLI Date _____

PORTUGUESE BEND LANDSLIDE

RE: RUN OF LEVELS OVER

LEVEL LINE # 6

STATION	B.S.	H.I.	F.S.	ELEV.
				8-15-62
				LIND
			VALDEZ	
			RODRIGUEZ R.L.	
		RODRIGUEZ R.L.		

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

Do not extend notes this side of this line.

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

76-L298 CE 307 8-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE # 6	8-15-62
BM 50-9	10 903	1010306		999403	BM 50-9 EL=	999.403
T.P.	0660	1001854	9112	1001194		
T.P.	0867	991 269	11 452	990402		
T.P.	0 326	979 968	11 827	979442		
T.P.	0287	968 887	11368	968600		
T.P.	0647	957 886	11 648	957239		
TBM# 11	3268	950536	10 618	947 268	Spk in Culvert	
T.P.	2542	942 610	10 468	940 068		
Sta Z-1			7288	935322	C.S. Mon.	
T.P.	0 957	932 555	11 012	931598		
T.P.	0 822	923 954	9 423	923132		
T.P.	0572	913 833	10693	913261		
T.P.	0946	904360	10 419	903414		
T.P.	0824	894 195	10 989	893371		
T.P.	0408	883 501	11 102	883093		
T.P.	0454	873 493	10 462	873 039		
T.P.	0 592	863 703	10 382	863111		
BM 50-10			5532	858 171	C.S. Mon.	
T.P.	0807	852 940	11 664	852 039		
T.P.	0605	841 574	11 877	840969		
T.P.	0999	831 463	11 110	830464		

F.B. 2955 PG. 72 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. LANDSLIDE Date No.
Survey by LND Notes LND Notes Chkd. Checked X-Sec.
Indexed K.J. GAUL Date Date No.

76-L298 CE 307 8-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Line # 6 (Cont.) 8-15-62
		831 463			
T.P.	0599	820 285	11 777	819 686	
T.P.	0 402	809 239	11 448	808837	
T.P.	0 597	798 832	11 004	798235	
Sta Y-4			4902	793930	Sta Y-4
T.P.	0 222	788 087	10 967	787 865	
TBM # 12			10 855	777 232	
T.P.	0 924	777 888	11 123	776964	
T.P.	0707	766 871	11724	766164	
T.P.	0529	755 627	11773	755098	
T.P.	0 623	744 622	11 628	743999	
T.P.	0 299	733 688	11 233	733389	
T.P.	0802	722 614	11 874	721814	
T.P.	0 318	712 842	10092	712 524	
T.P.	0 670	702 634	10878	701 964	
T.P.	0 452	691 282	11804	690 830	
T.P.	0 523	681 198	10 607	680 675	
TBM # 13			5086	676112	Spk in Culvert
T.P.	0724	670 969	10953	670245	
T.P.	0 824	661 304	10489	660480	
T.P.			10 715	650589	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0021.64 Division No. 11 F.B. 2955 Pg. 73
X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of P.B. Landslide
Survey by Lind Notes Lind Date 8-15-62
Map No. ____ Indexed C. J. GALLI Date ____

Profile No. | Notes Red Date | Plotted Date | Job No. 0021.04 | Division No. 11 | F.B. 2955 Pg. 75

X-Sec. No. | Notes Chkd Date | Checked Date | Survey of R.B. LANDSLIDE | Survey by LIND | Notes LIND Date 8-15-62 | Map No. | Indexed C. J. GALLI Date AUG 21 '62

PORTUGUESE BEND LANDSLIDE

W.N. 0021.04

PRE-RUN OF LEVELS

OVER

LEVEL LINE # 2

STATION	B.S.	H.I.	F.S.	ELEV.
	RODRIGUEZ R.R.	LIND VALDEZ RODRIGUEZ R.J.	8-15-62	

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE # 2	8-15-62
P.B. # 9	5121	409 263		404 142	P.B. # 9 EL=	404.142
T.P.	6708	411 700	4271	404 992		
T.P.	6355	413 782	4273	407 427		
P.B. # 9-B	7129	416 904	4006	409 776	BT. SPK	
P.B. # 9-A	7489	421 682	2711	414 193	BT. SPK	
T.P.	11630	431 431	1881	419 801 *		
	BEG SIDE LINE TO B-1C					
T.P.	11358	442 570	0219	431 212		
T.P.	7901	448 454	2017	440 553		
B-1-C			6155	442 299	C.S. MON	
	END SIDE LINE					
T.P.	1812	421 613		419 801 *		
T.P.	3178	412 831	11910	409 703		
P.T. # 1			4840	408 035	BT. SPK W & TIN	
B-1-B	6295	412 504	6672	406 209	PRE. CAST CE MON.	
T.P.	0470	402 764	10210	402 294		
T.P.	0387	392 741	10410	392 354		
T.P.	0299	381 449	11591	381 150		
T.P.	0242	369 773	11913	369 536		
T.P.	0642	359 791	10629	359 149		
T.P.	0201	348 767	11225	348 566		

F.B. 7955 Pg. 76 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. LANDSLIDE Date Date No.
Survey by LIND Notes LIND Notes Chkd. Checked X-Sec.
Indexed C. I. GALLI Date Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE #2 CONT	8-15-62
		348 767				
BM 50-12			9719	339 048	✓ C.E. 12"x12" CONC MON	
TP	9858	352 034	6591	342 176		
	11 156	362 590	0 600	351 434		
T.P.			1154	361 436	* PIPE HOLD FOR LINE AHEAD	
		BEG SIDE		LINE		
T.P.	11.556	373.826	0319	362 271		
T.P.	10847	384328	0345	373 481		
T.P.	9421	393 109	0 640	383 688		
STA DAVIS			3131	389 978	✓ C.E. PRE-CAST MON.	
		END	SIDE	LINE		
T.P.	4925	366 361		361 436	*	
RADIAL 2			8260	358 101	✓ C.S. MON	
T.P.	2089	361 510	6940	359421		
T.P.	2616	352433	11693	349817		
T.P.	1883	343 129	11187	341246		
T.P.	1320	332 737	11712	331417		
T.P.	4822	326 368	11191	321546		
A-3			5762	320606	✓	
A-4			4095	322 273	✓ STA A-4 EL = 322.19	

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0021 Division No. 11 Survey of P.B. LANDSCAPE Survey by LINO Notes LINO Date 8-15-62 Map No. Indexed C. J. GALLI Date

F.B. 2955 PG. 77

F.B. 2995 PG. 78

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. _____

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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

Profile No. | Notes Red | Plotted | Job No. 0021.64 | Division No. 11 | F.B. 2955 Pg. 79

Date | Date | Survey of P.B. LANDSLIDE

X-Sec. No. | Notes Chkd. | Checked | Survey by LIND | Notes LIND | Date 8-16-62

Date | Date | Map No. | Indexed C. J. GALLI | Date AUG 21 '62

JN 00.21.64

PORTUGUESE BEND LANDSLIDE

RE: RUN OF LEVELS OVER

LEVEL LINE # 4

STATION	B.S.	H.I.	F.S.	ELEV.
				8-16-62
			LIND	
			VALDEZ	
		RODRIGUEZ R.J.		
		RODRIGUEZ R.R.		

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

Do not extend notes this side of this line.

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

76-L208 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #4	8-16-62
TBM 34-15 A	2925	233 912		230 987	✓ TBM 34-15-A EL- 230.987	
T.P.	3818	232 147	5563	228 349		
T.P.	3420	229 336	6251	225 916		
T.P.	3 081	225 937	6480	222 856		
T.P.	1405	219 292	8 050	217 887		
T.P.	3120	215 032	7380	211 912		
T.P.	4010	212 042	7000	208 032		
BM 50-13			4 015	208 027	✓ C.S. MON.	
T.P.	3030	208 920	6152	205 870		
TBM # 15	4835	201 863	11 892	197 028	✓ PRIN CULVERT	
T.P.	7730	208 753	0840	201 023		
J-5			10 542	198 211	✓ PRE-CAST C.E. MON.	
T.P.	10703	218 606	0850	207 903		
ELU 1 RADIAL #2			10630	207 970	✓ 1" PIPE	
T.P.	4440	219 306	3740	214 866		
J-4			5018	214 288	✓ PRE-CAST C.E. MON.	
T.P.	7407	217 751	8962	210 344		
J-3			7395	210 356	✓	
T.P.	0332	210 593	7490	210 261		
J-1	5035	204 755	10 873	199 720	* BRG SIDE LINE ✓	
T.P.	10335	214 703	0387	204 368		

F.B. 7955 PG. 80 Job No. 0021.64 Division No. " Notes Red Plotted Profile
Survey of P.B. LANDSCIDE Date Date No.
Survey by LIND Notes LIND Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE # 4 (CONT.)	8-12-62
		214 703				
T.P.	11 426	225 595	0 534	214 169		
T.P.	11 443	236 858	0 180	225 415		
T.P.	5338	240 001	2 195	234 663		
T.P.			10 590	229 411		
		END SIDE LINE				
J-1	1650	201 370		199 720	* ✓	
T.P.	2790	197 680	6 480	194 890		
T.P.	5730	194 800	8 610	189 070		
T.P.	6241	196 938	4 103	190 697		
T.P.	4267	195 940	5 265	191 673		
T.P.	3311	192 897	6354	189 586		
T.P.	6888	196 005	3780	189 117		
T.P.	3265	194 903	4367	191 638		
BM 34-117 B	5789	197 714	2978	191 925	✓ Bt. Spk. W. & T.	
T.P.	5005	197 830	4889	192 825		
T.P.	4300	195 550	6580	191 250		
T.P.	1463	192 698	4315	191 235		
T.P.	1869	184 669	9898	182 800		
T.P.	0725	175 714	9680	174 989		
BM 34-18			7128	168 586	✓ C.S. MON.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F.B. 2955 PG. 81
Date ____ Date ____ Survey of P.B. LANDSLIDE
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 8-16-62
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE # 4 CONT.	8-16-62
		175 714				
	1 149	165 793	11 070	164 644		
TP			8 180	157 613	* NAIL & HOLD	FOR LINE AHEAD.
	BEG SIDE LINE					
T.P.	11 867	177 660	0 400	165 393		
T.P.	10 860	187 563	0 557	176 703		
T.P.	8 882	193 888	2 557	185 006		
STA P-3A			3 537	190 351		
	END SIDE LINE					
T.P.	6 472	164 085		157 613	* NAIL	
P-3			6 075	158 010		
T.P.	5 906	165 909	4 082	160 003		
T.P.	5 522	167 626	3 805	162 104		
STA P-2	7 005	170 349	4 282	163 344		
TBM # 31			3 300	167 049	TBM # 31. EL-	167.050

F.B. 2945 PG. 82 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P-3 & ANDALUSE Date Date No.
Survey by LIND Notes LIND Notes Chkd. Checked X-Sec.
Indexed C.J. Gaul Date Date No.

Profile No. | Notes Red | Plotted | Job No. 0021.64 | Division No. 11 | F.B. 1955 Pg. 83
Date | Date | Survey of P.B. LANDSLIDE
X-Sec. No. | Notes Chkd. | Checked | Survey by LIND | Notes LIND | Date 8-17-62
Date | Date | Map No. | Indexed C. J. GALLI | Date AUG 21 '62

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	
					UN 0021.64 PORTUGUESE BEND LANDSLIDE
					RE-RUN OF LEVELS OVER LEVEL LINE #5
				8-17-62	
			LIND VALDEZ		
		RODRIGUEZ R.P. RODRIGUEZ R.P.			

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

F.B. 2953 Pg. 84 Job No. 0024 64 Division No. 11 Notes Red Plotted Profile
Survey of J.B. Lane 3 Sta. Date Date No. X-Sec.
Survey by Crew Notes Line 3 Notes Chkd. Checked
Indexed K.J. Gault Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	Line #5	8-17-62
P.B. 9-B	0284	410 040		409 776	P.B. 9-B See Line #2 pg.	
T.P.	0427	399 004	11421	398529		
T.P.	0924	387 944	11986	387020		
T.P.	0455	376 467	11732	376217		
T.P.	0590	365 470	11787	364880		
T.P.	0721	355 561	10630	354840		
S.B.# 3	11599	364457	2703	352858	/ BT. Spk W. Stn	
T.P.	11921	376529	0849	363608		
T.P.	10809	386 132	0206	375323		
S.B.# 2	8702	392001	2593	363239	/ BT. Spk W. Stn	
S.B.# 1	6663	395186	3478	388523	*1 (Hold for Line Ahead)	
		Beg. Side Lines				
T.P.	4263	399237	0212	394974		
T.P.			5420	393817		
		End Side Line				
S.B.# 1	5984	394507		388 523	*1	
S.B.# 1-A			2870	391637	C.S. Mon. Pre-Cast	
T.P.	1530	395570	0467	394040		
P.I.#2 Aux 3			3773	391797	BT. Spk W. Stn	
T.P.	0612	385 231	10951	384619		
P.I.#3			2869	382362	/ Spk	

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE #5 (CONT.)	8-17-62
		385 231				
T.P.	0601	374 320	11512	373719		
PT# 4	0911	366 948	8283	366 037	* ✓ (HOLD FOR LINE AHEAD)	
		BEG	SIDE	LINE		
TP	0302	355 541	11709	355239		
T.P.	0637	344 720	11458	344083		
T.P.	0443	334 035	11128	333592		
H- 2	1284	326213	9106	324929	✓ C.S. MON.	
T.P.	2790	318 615	10388	315 825		
H- 4			9619	308 996	✓	
		END	SIDE	LINE		
PT# 4	0222	366 259		366 037	* ✓	
T.P.	0255	356 143	10371	355 888		
T.P.	0419	345 734	10828	345 315		
PT. # 5	0551	337 319	8961	336 768	✓ Bt. Spk w/ Tin	
T.P.	0474	326 132	11661	325658		
T.P.	0931	316 074	10989	315 143		
T.P.	4632	314 392	6314	309 760	* HOLD FOR LINE AHED	
T.P.	0831	303 960	11263	303129		
T.P.	0175	292 447	11688	292272		
T.P.	6954	289 978	9423	283 024		

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0021.64 Division No. 11 F.B. 2955 Pg. 85
Date ___ Date ___ Survey of P.B. LAND SLIDE
X-Sec. No. ___ Notes Chkd. ___ Checked ___ Survey by LIND Notes LIND Date 8-17-62
Date ___ Date ___ Map No. ___ Indexed C. J. GALL Date ___

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE # 5 CONT.	3-17-62
		289 978				
I-2		71	9 949	280029	2" I.P.	
T.P.	5681	292679	2 980	286998		
T.P.	9969	298 926	3712	288967		
BLAKELEY			0 195	298 741	C.S. MON	
		END	SIDE	LINE		
T.P.	2241	312001		309760	* SPK	
PT 6 AUX 3			2 641	309360	C.S. MON.	
T.P.	0940	302353	10 588	301 413		
T.P.	0557	292644	10266	292 087		
T.P.	1602	282934	11 312	281332		
T.P.	0420	271681	11 673	271261		
T.P.	0409	260145	11945	259736		
T.P.	0175	248839	11481	248664		
T.P.	0541	238620	10760	238079		
T.P.	0512	228141	10991	227629		
T.P.	0561	217423	11 279	216862		
T.P.	0649	206292	11 780	205643		
BM "C"			3 447	202795		
T.P.	1713	196 945	11 060	195232		
TBM 34-12 B	11501	203 520	4 926	192019		

F.B. 2955 Pg. 86 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of R.H. LANDSLIDE Date No.
Survey by LIND Notes LIND Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE #5 (CONT.)	8-17-62
		203.520				
T.P.	11.670	214.647	0.543	202.977		
T.P.	7.978	222.439	0.186	214.461		
K-1			9.701	212.738	✓ STA K-1	
					END LINE #5	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 002114 Division No. 11 Survey of R.M. LANDSLIDE Survey by LIND Notes LIND Date 8-17-62 Map No. ____ Indexed C. J. GALLI Date ____

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

F.B. 2955 Pg. 87

F.B. 2955 Pg. 88 Job No. 0021.64 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of R.R. LANDSLIDE Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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

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.	LINE # 4.
TBM 34-15A	2 41	233 40		230 99	TBM 34-15A ✓ ELEV = 230.987 spk in ld
TP	3 95	231 70	5 65	227 75	
	3 62	229 12	6 20	225 50	
	4 20	227 43	5 89	223 23	
	2 20	221 64	7 99	219 44	
	2 85	217 19	7 30	214 34	
TBM 50-13A	3 38	213 75	6 82	210 37	TBM 50-13A ✓ ELEV = 210.395 spk & tin in cb
BM 50-13	3 66	211 69	5 72	208 03	BM 50-13 ✓ " = 208.006 C.S. MON
TP	3 83	207 58	7 94	203 75	
TBM #15			10 58	197 00	TBM #15 ✓ spk in Culv.
TP	5 56	209 23	3 91	203 67	
J-5			11 08	198 15	STA J-5 * ✓ C.S. MON
TP	10 52	219 45	0 30	208 93	
	9 98	228 88	0 55	218 90	
	10 09	238 54	0 43	228 45	
	10 95	249 30	0 19	238 35	
	10 77	259 55	0 52	248 78	
	10 94	269 91	0 58	258 97	
	10 01	277 92	2 00	267 91	
	10 35	287 29	0 98	276 94	
	11 28	298 07	0 50	286 79	

Profile No. ___ Notes Red ___ Plotted ___ Job No. 002164 Division No. 11 F. B. 2955 PG. 89
X-Sec. No. ___ Date ___ Date ___ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd ___ Checked ___ Survey by ACG Notes ACG Date 9-26-62
Date ___ Date ___ Map No. ___ Indexed C. J. GANU Date [illegible] 9 '62

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

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

Do not extend notes this side of this line.

F. B. 2221 Pg. 90 | Job No 2221.64 | Division No. 11 | Notes Red | Plotted | Profile
Survey of Pacific Electric | Date | Date | No.
Survey by [illegible] | Notes AGS | Notes Chkd | Checked | X-Sec.
Indexed by [illegible] | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		298 07				
TP	10 95	307 96	1 06	297 01		
"	7 03	314 49	0 50	307 46		
SHIELD			4 17	310 32	STA SHIELD ✓	C.S. MON
J-5	7 39	205 54		198 15	STA J-5 * ✓	C.S. MON
TP	9 22	214 33	0 43	205 11		
	7 23	217 28	4 28	210 05	✓	
Rad 2 Ecl			9 44	207 84	Sta Radial 2 Ecl ✓	3/4" IP
TP	0 66	215 93	2 01	215 27		
J-4	3 63	217 83	1 73	214 20	Sta J-4 ✓	C.S. MON
J-3			7 64	210 19	Sta J-3 ✓	"
TP	0 58	208 16	10 25	207 58		
J-1			8 58	199 58	Sta J-1 ✓	3/4 cap IP
TP	10 90	218 39	0 67	207 49		
	10 69	228 24	0 84	217 55		
	10 90	238 48	0 66	227 58		
J-1A	1 95	231 28	9 15	229 33	STA J-1A ✓	C.S. MON
TP	0 32	220 20	11 40	219 88		
"	0 84	209 74	11 30	208 90		
"	0 53	201 54	8 73	201 01		

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.	LINE # 4
		201 54			
TP			11 13	190 41	*
TP	2 99	197 09	7 44	194 10	SIDELINE
	0 55	189 11	8 53	188 56	
	1 21	178 91	11 41	177 70	
	0 71	168 32	11 30	167 61	
	0 58	157 32	11 58	156 74	
	1 30	147 42	11 20	146 12	
	0 88	137 78	10 52	136 90	
BM #25			11 04	126 74	TBM #25 ✓ SPK in culv
					END SIDE LINE
TP	2 93	193 34		190 41	*
"	8 65	196 58	5 41	187 93	
"	6 34	198 05	4 87	191 71	
TBM 34-17B	5 69	197 63	6 11	191 94	TBM 34-17B BT SPK W ET PVDR SO & PEPPERTREE
TP	5 16	197 73	5 06	192 57	20° W OF E END OF LS LE (LUNCH)
	4 62	195 35	7 00	190 73	
	1 12	192 34	4 13	191 22	
	1 08	183 92	9 50	182 84	
	1 59	175 85	9 66	174 26	

Profile No. ___ Notes Red ___ Date ___ Plotted ___ Date ___ Job No. 002164 Division No. 11 F. B. 2955 Pg. 91

X-Sec. No. ___ Notes Chkd. ___ Date ___ Checked ___ Date ___ Survey of PORTUGUESE BEND LANDSLIDE

Survey by ACG Notes ACG Date 9-26-62

Map No. ___ Indexed C. J. GALL Date ___

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.	
		175 85			
BM34-18			7 23	168 62	BM34-18 ✓ CS MON
TP			2 29	173 56	TP *
BM34-18	11 22	179 84		168 62	✓ SIDE LINE
TP	11 31	190 19	0 96	178 88	
	11 59	200 21	1 57	188 62	
	10 41	208 61	2 01	198 20	
	10 49	217 37	1 73	206 88	
	10 74	226 21	1 90	215 47	
	11 20	235 80	1 61	224 60	
	11 66	245 40	2 06	233 74	
	11 14	254 90	1 64	243 76	
	11 52	265 15	1 27	253 63	
	10 86	273 60	2 41	262 74	
	11 10	283 30	1 40	272 20	
	11 50	294 38	0 42	282 88	
	10 33	303 88	0 83	293 55	
P-4			1 45	302 43	STA P-4 ✓ CS MON
					END SIDE LINE
TP	11 76	185 32		173 56 *	

F. B. 295 Pg. 92 Job No. 002164 Division No. 11 Notes Red. Plotted Profile
Survey of THE FUGUESE BEND LANDSLIDE Date Date No.
Survey by ACG Notes ACG Notes Chkd. Checked X-Sec.
Indexed Date Date No.

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.

Profile Notes Red _____ Plotted _____ Job No. 00216 Division No. 1
No. T. Sec. _____ Date _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Clkd _____ Checked _____ Survey by ACG Notes ACG Date 9-26-62
No. _____ Date _____ Date _____ Map No. _____ Indexed C. J. GAU Date _____

F. B. 2955 Pg. 93

STATION	B. S.	H. I.	F. S.	ELEV.	LINE #4
		185 32			
TP	9 11	192 31	2 12	183 20	
P-3A			1 93	190 38	STA P-3A — CS MON
BM 34-18	2 93	171 55		168 62	BM 34-18 — CS MON
	2 38	162 93	11 00	160 55	
P-3	6 25	164 30	4 88	158 05	Sta P3 — Left in cb
TP	5 94	166 04	4 20	160 10	
"	5 93	167 45	4 52	161 52	
	7 51	170 05	4 91	162 54	
P-2			6 68	163 37	STA P2 — Left in curb
BM #31			2 98	167 07	TBM #31 — ELEV - 167.050 — Left in curb
			(END OF LINE 4)		

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.	LINE 1	
PB #9	5 08	409 22		404 14	Sta PB #9 ELEV 404.142	CS MON
TP	6 11	411 24	4 09	405 13		
PI 5B	4 75	414 83	1 16	410 08	STA PI 5B	CS MON
TP	2 85	414 27	3 41	411 42		
"	1 74	406 84	9 17	405 10		
TBM #30			1 54	405 30	TBM #30	spk mld in culv
TP	6 10	405 83	7 11	399 73		
"	6 19	408 82	3 20	402 63		
PI 4C	4 23	410 14	2 91	405 91	STA PI 4C	CS MON
TP	10 24	418 66	1 72	408 42		
TP			0 81	417 85	* spk & tin	
TP	11 20	428 90	0 96	417 70	SIDE LINE	
CT #1			4 42	424 48	STA FRUIT TREE #1	CS MON
					END SIDE LINE	
TP	6 80	424 65		417 85	* spk & Tin	9-27-62
	5 87	425 79	4 73	419 92		
	5 91	426 77	4 93	420 86		
SPH G-7 RM #1			5 10	421 67	Sta SPH G-7 Rm #1	CS MON
			6 02	420 75	" CTR	"

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 2021.64 Division No. 11 Survey of PORTUGUESE BEND LANDSLIDE Survey by ACG Notes ACG Date 9-28-62 Map No. Indexed C. J. CALLI Date

F. B. 2955 Pg. 95

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.		
		426 77				
TP	0 59	417 72	9 64	417 13		
	3 00	409 97	10 75	406 97		
	0 96	399 09	11 84	398 13		
	0 74	388 02	11 81	387 28		
	2 41	382 81	7 62	380 40		
PI #3	0 75	373 73	9 83	372 98	Sta PI #3	CS MON
	0 45	363 28	10 90	362 83		
	1 40	353 09	11 59	351 69		
	0 51	341 96	11 64	341 45		
PI-1A			8 33	333 63	Sta PI 1-A #5 #31	Bt spk W & T
TP	0 80	332 54	10 22	331 74	SIDE LINE	
	0 81	321 96	11 39	321 15		
	1 02	312 50	10 48	311 48		
	0 43	300 94	11 99	300 51		
	0 82	291 09	10 67	290 27		
	10 72	296 45	5 36	285 73		
SPH H-7A			8 08	288 37		CS MON
" Ecc 1			8 28	288 17		
" Ecc 2			8 22	288 23	END SIDE LINE	

F. B. 2955 Pg. 96 Job No. 0021 6d Division No. 11 Notes Red Plotted Profile
Survey of PORTUGUESE BEND LAND SLIDE Date Date No.
Survey by ACG Notes ACG Notes Chkd Checked X-Sec.
Indexed C. J. GALLO Date Date No.

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.	LINE 1	
PI 1-A	0 29	333 92		333 63	PI 1A ✓	Bt spk W & Tm
	0 40	326 58	7 74	326 18		
	0 68	316 07	11 19	315 39		
	1 30	306 13	11 24	304 83		
	0 52	295 47	11 18	294 95		
	0 51	286 51	9 47	286 00		
PB #10			6 91	279 60	Sta PB #10 ✓	CS MON
TP	0 74	278 48	8 77	277 74		
	1 53	269 16	10 85	267 63		
	0 87	259 42	10 61	258 55		
	3 78	252 06	11 14	248 28		
	0 43	241 52	10 97	241 09		
	0 75	231 62	10 65	230 87		
	0 72	221 61	10 73	220 89		
WF#1	7 31	217 80	11 12	210 49	WF#1 ✓	spk in step
	2 99	211 18	9 61	208 19		
P1			11 92	199 26	Sta P1 ✓	CS MON
	0 87	200 84	11 21	199 97		
	0 70	190 51	11 03	189 81		
	0 22	179 08	11 65	178 86		
TBM #31			12 00	167 08	TBM #31 ✓ ELEV = 167.050	L&T in cb

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0021.64 Division No. 11 F. B. 2955 Pg. 97
Date ___ Date ___ Survey of FORTUGUESE BEND LANDSLIDE
X-Sec. No. ___ Notes Chkd ___ Checked ___ Survey by ACG Notes ACG Date 9-27-62
Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date ___

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.	LINE #2
PB#9	4 92	409 06		404 14	PB#9 ✓ ELEV = 404.142 CS MON
TP	6 61	411 31	4 36	404 70	
"	5 59	412 74	4 16	407 15	
PB#9B	6 74	416 47	3 01	409 73	PB#9B ✓ station SPK & Wash.
PB#9A	6 73	420 87	2 33	414 14	sta PB#9A ✓ SPK W&T
TP	10 40	428 53	2 74	418 13	*
	10 59	438 67	0 45	428 08	SIDE LINE
	9 91	447 44	1 14	437 53	
B1C			5 21	442 23	sta B1-C ✓ CS MON
					END SIDE LINE
TP	3 98	422 11		418 13	*
	0 37	411 54	10 94	411 17	
PT#1			3 73	407 81	sta PT#1 ✓ SPK W&T
B1-B			5 63	405 91	" B1-B ✓ CS MON
TP	6 11	410 57	7 08	404 46	✓
TP	0 88	405 43	6 02	404 55	sta B-1 (NO EVIDENCE) CULTIVATED LAND
	0 54	395 60	10 37	395 06	
	0 89	386 35	10 14	385 46	
	0 59	376 64	10 30	376 05	
	1 86	367 51	10 99	365 65	

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F. B. 2955 Pg. 99
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd ____ Checked ____ Survey by ACG Notes ACG Date 9-27-62
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

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.		
		367 51				
TP	0 74	358 12	10 13	357 38		
"	0 28	346 60	11 80	346 32		
BM50-12			7 75	338 85	BM50-12 ✓	C.S. MON
TP	11 02	356 11	1 51	345 09		
"	11 09	365 67	1 53	354 58		
"			5 74	359 93	*	
"						
"	9 57	374 96	0 28	365 39	SIDE LINE	
"	10 45	383 99	1 42	373 54		
"	9 96	392 59	1 36	382 63		
DAVIS			2 90	389 69	STA DAVIS ✓ END SIDE LINE	C S MON
TP	8 39	368 32		359 93	*	
Rad 1			10 40	357 92	STA Radial 1 ✓	C S MON
TP	0 69	359 16	9 85	358 47		
	1 01	349 32	10 85	348 31		
	0 36	339 18	10 50	338 82		
	1 36	329 55	10 99	328 19		
A-3			9 12	320 43	STA A-3 ✓	C S MON
A-4			7 38	322 17	" A-4 ELEV = 322.19	"

F. B. 2955 Pg. 190 Job No. 0021 64 Division No. 11 Notes Red. Plotted Profile
Survey of FORTUGUESE BEND LANDSLIDE Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd. Checked
Indexed C. J. GALLI Date Date No.

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.	LINE #5
PB #9	5 16	409 30		404 14	Sta PB #9 ELEV=404.142 CS MON
TP	6 97	412 46	3 81	405 49	
"	6 30	414 61	4 15	408 31	
PB #9B			4 86	409 75	Sta PB #9B ✓ Bt spk W&T
TP	1 62	406 82	9 41	405 20	
	0 94	396 95	10 81	396 01	
	0 40	386 40	10 95	386 00	
	0 43	375 99	10 84	375 56	
	0 56	365 62	10 93	365 06	
	6 79	361 58	10 83	354 79	
SB #3			8 75	352 83	Sta SB #3 ✓ Bt spk W&T
TP	10 38	370 84	1 12	360 46	
	11 61	381 72	0 73	370 11	
	11 14	392 67	0 19	381 53	
SB #2			9 47	383 20	Sta SB #2 ✓ Bt spk W&T
SB #1			4 21	388 46	Sta SB #1 ✓ "
	9 75	400 98	1 44	391 23	SIDE LINE
WEST FIX			7 23	393 75	Sta WEST FIX ✓ CS MON
					END SIDE LINE
B #1	6 66	395 12		388 46	Sta SB #1 ✓

Profile Notes Red Plotted Job No. 20216 Division No. 11 F. B. 2953 Pg. 101
No. Date Date Survey of PORTUGUESE BEND LANDSLIDE
X Sec. Notes Chkd Checked Survey by ACG Notes ACG Date 9-28-62
No. Date Date Map No. Indexed C. J. GALLI Date

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

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

Do not extend notes this side of this line.

F. B. 2935 Ps. 1122 Job No. 22166 Division No. 11 Profile
Survey of PORTUGUESE BEND Notes Red Plotted
Survey by ACG Notes Date Date No X-Sec.
Indexed C. J. CAIN Date Notes Chkd. Checked
Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		395 12				
SB #1-A			3 56	391 56	SB #1-A	C.S MON
TP	0 59	395 48	0 23	394 89		
PT #2 AUX 3			3 75	391 73	Sta PT #2 AUX 3	SPK & W
TP	0 50	385 53	10 45	385 03		
	0 66	375 68	10 51	375 02		
PT #4	0 47	366 40	9 75	365 93	Sta PT #4 ✓ SIDE LINE	SPK & W
TP	0 47	356 25	10 62	355 78		
"	0 89	346 52	10 62	345 63		
"	0 93	336 71	10 74	335 78		
H-2		326 66	11 92	324 79	Sta H-2 ✓	C.S MON
					END SIDE LINE	
PT #4	0 71	366 64		365 93	PT #4 ✓	
TP	0 39	356 70	10 33	356 31		
"	0 68	345 72	11 66	345 04		
PT #5			9 07	336 65	Sta PT #5 ✓	SPK & W #17
TP	0 36	334 90	11 18	334 54		
TP	0 18	323 16	11 92	322 90		
	4 33	315 73	11 76	311 40		
PT #6 AUX #3	5 00	314 24	6 09	309 24	Sta PT #6 AUX 3 ✓ (SIDE LINE)	STAKE & T
TP	0 68	303 74	11 18	303 06		

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.	LINE #5	
		303 74				
TP	0 86	293 91	10 69	293 05		
	7 72	291 15	10 48	283 43		
I-2			11 30	279 85	Sta I-2 ✓	2" IP
TP	11 49	301 24	1 40	289 75		
BLAKESLY			2 63	298 61	Sta BLAKESLY ✓	CS MON
					END SIDE LINE	
PT #6 AUX 3	0 41	309 65		309 24	PT #6 AUX #3 ✓	
TP	0 37	298 31	11 71	297 94		
	0 43	287 72	11 02	287 29		
	0 75	278 11	10 36	277 36		
	0 35	267 45	11 01	267 10		
	0 19	256 29	11 35	256 10		
	0 71	247 67	9 33	246 96		
	0 41	236 81	11 27	236 40		
	0 51	225 80	11 52	225 29		
	0 68	215 12	11 36	214 44		
	0 97	204 50	11 59	203 53		
BM "BC"			1 82	202 68	Sta BM "BC" ✓	LA Co Rd Dept MON
TP	10 83	208 27	7 06	197 44	* SIDE LINE	
	11 59	219 17	0 69	207 58		

Profile No. X-Sec. No. Notes Red Date Notes Chkd Date Plotted Date Checked Date Job No. 0021.64 Division No. 11 Survey of PORTUGUESE BEND LS Survey by ARG Notes ARG Date 9-28-62 Map No. Indexed C. J. GALLI Date

F. B. 2955 Pg. 103

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.		
		219 17				
K-1			6 54	212 63	Sta K-1 ✓	cs mon
					END SIDE LINE	
TP	1 26	198 70		197 44	*	
TBM 34-17B			6 80	191 90	TBM 34-17B ✓ ELEV = 191.94 per pg	
		END OF LINE				

F. B. 2955 Pg. 104 Job No. 22164 Division No. 11 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd. Checked
Indexed C. J. GAUL Date Date Date No.

76L-295 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.

Profile Notes Red ____ Plotted ____ Job No. 22164 Division No. 11
No. ____ Date ____ Date ____ Survey of PETTIGUESE RANCH LS
X Sec. Notes Chkd ____ Checked ____ Survey by ACG Notes ACG Date 9-28-61
No. ____ Date ____ Date ____ Map No. ____ Indexed C.J. GADT Date ____

F. B. 2955 Pg. 105

LINE #6

STATION	B. S.	H. I.	F. S.	ELEV.	
BM 50-9	10 78	1010 18		999 40	BM 50-9 ✓ ELEV = 999.403 C.S. MON
TP	0 85	1000 89	10 14	1000 04	
	0 43	989 80	11 52	989 37	
	0 46	979 00	11 26	978 54	
	1 36	968 67	11 69	967 31	
	0 67	958 03	11 31	957 36	
BM #11			10 76	947 27	BM #11 ✓ SPK IN CULV
TP	1 10	948 94	10 19	947 84	
	0 43	938 59	10 78	938 16	
Z-1			3 27	935 32	SPK Z-1 ✓ C.S. MON
TP	0 68	928 17	11 10	927 49	
	0 39	917 71	10 85	917 32	
	0 91	907 64	10 98	906 73	
	0 77	896 99	11 42	896 22	
	0 72	887 46	10 25	886 74	
	1 12	878 17	10 41	877 05	
	0 22	868 25	10 14	868 03	
BM 50-10			10 08	858 17	BM 50-10 ✓ C.S. MON
TP	0 56	858 45	10 36	857 89	
	0 46	848 23	10 68	847 77	
	0 43	837 84	10 82	837 41	

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.		
		837 84				
TP	0 73	827 18	11 39	826 45		
	0 81	816 93	11 06	816 12		
	0 35	805 73	11 55	805 38		
Y-4			11 85	793 88	Sta Y-4 ✓	2" I.P.
TP	0 80	795 41	11 12	794 61		
"	2 26	786 75	10 92	784 49		
TBM #12			9 56	777 19	TBM #12 ✓	Spk in Hd Wall
TP	0 60	775 47	11 88	774 87		
	0 42	764 67	11 22	764 25		
	0 47	753 83	11 31	753 36		
	1 01	744 01	10 83	743 00		
	1 05	734 93	10 13	733 88		
	0 52	724 90	10 55	724 38		
	0 36	714 39	10 87	714 03		
	0 54	704 08	10 85	703 54		
	0 27	693 21	11 14	692 94		
	0 54	681 88	11 87	681 34		
TBM #13			5 85	676 03	TBM #13 ✓	Spk in culv
TP	0 79	671 03	11 64	670 24		
TP	0 68	660 55	11 16	659 87		
TP	2 28	651 63	11 20	649 35		
BM 50-11			4 07	647 56	BM 50-11 ✓ ELEV = 647.570	CS MON

F. B. 2955 Pg. 106 Job No. 00264 Division No. 11 Notes Red Plotted Profile
Survey of FORTUGUESE BEND L.S. Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd Checked
Indexed C. J. GALLI Date Date Date No.

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.

LINE #3

STATION	B. S.	H. I.	F. S.	ELEV.			
BM 34-15A	0 76	231 75		230 99	TBM 34-15A	230.987	L&T in cb
TP	1 35	221 99	11 11	220 64			
	3 72	213 81	11 90	210 09			
	3 51	211 07	6 25	207 56			
K-13			9 34	201 73	Sta K-13		2" IP
TP	1 12	202 85	9 34	201 73			
	1 17	192 27	11 75	191 10			
	1 03	181 70	11 60	180 67			
K-10A	0 74	173 48	8 96	172 74	Sta K-10A		Bt spKW&T
10B			3 85	169 63	" K-10B		2" IP
10C			5 28	168 20	" K-10C		L&T
10			6 17	167 31	" K-10	5.24 / 9.8 / 6.17	1" IP
K-9A	6 36	169 87	9 97	163 51	" K-9A		BT spKW&T
K-9B			8 00	161 87	" K-9B		2" IP
K-9	1 50	160 80	10 57	159 30	" K-9		1" IP
K-8A			2 95	157 85	" K-8A		Bt spKW&T
K-8B			5 34	155 46	" K-8B		2" IP
TP	1 24	150 22	11 82	148 98			
"	1 61	140 58	11 25	138 97			
	10 10	140 84	9 84	130 74	* BEGIN SIDE LINE		
K-5			4 82	136 02	STA K-5 END	" "	CS MON

Profile Notes Red. Plotted Job No. 2021.64 Division No. 11 F. B. 2955 Pg. 107
No. Date Date Survey of PORTUGUESE BEND L.S.
X-Sec. Notes Chkd. Checked Survey by ACG Notes ACG Date 10-1-62
No. Date Date Map No. Indexed C. J. GALLI Date

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.		
TP	1 30	132 04		130 74	*	
"	0 75	121 90	10 89	121 15		
"	1 82	112 84	10 88	111 02		
W-3			2 29	110 55	Sta W-3	C S MON
TP	0 26	102 65	10 45	102 39		
K-5 AUX			0 90	101 75	" K-5 AUX	"
TP	0 80	94 33	9 12	93 53		
"	1 21	84 17	11 37	82 96		
K-4			9 59	74 58	" K-4	
TP	1 31	73 58	11 90	72 27		"
TP	1 73	64 10	11 21	62 37		
TBM #28			7 55	56 55	STA TBM #28	spk in conc
K-3A	3 14	57 39	9 85	54 25	Sta K-3A	C.S MON
	3 96	52 55	8 80	48 59		
	0 68	43 05	10 18	42 37		
K-2A			5 71	37 34	Sta K-2A	2" IP
TP	6 15	38 46	10 74	32 31	* BEGIN SIDE LINE	
TP	2 48	34 91	6 03	32 43		
TP	0 85	25 77	9 99	24 92		
TP	0 33	18 83	7 27	18 50		
FB #1			11 25	7 58	FB #1 ELEV = 7.60	C S MON

END SIDE LINE

F. B. 2455 Pg. 108 Job No. 0021 Division No. 11 Notes Red. Plotted Profile
Survey of Portuguese Bend L.S. Date No. X-Sec.
Survey by ECG Notes ACG Notes Chkd. Checked
Indexed C. J. GALL Date Date No.

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.	LINE #3
TP	2 05	34 36		32 31	*
	0 80	23 26	11 90	22 46	
	4 62	16 87	11 01	12 25	
	5 49	16 62	5 74	11 13	
	7 61	19 19	5 04	11 58	
	9 91	28 79	0 31	18 88	
	0 89	19 50	10 18	18 61	
	1 00	9 75	10 75	8 75	
	4 50	10 17	4 08	5 67	
	3 59	9 69	4 07	6 10	
	3 22	9 70	3 21	6 48	
PB #8			1 72	7 98	3M PB #8 ✓ ELEV = 7.994 spk in rock

Profile Notes Red. Plotted Job No. 0021 62 Division No. 11 F. B. 2956 Pg. 109
No. Date Date Survey of Portuguese Bend LS
X-Sec. Notes Chkd Checked Survey by ACG Notes ACG Date 10-1-62
No. Date Date Map No. Indexed C. J. GALLI Date

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.	LINE 1	
PB#7	5 15	409 29		404 14	PB#7 ELEV = 404.142	C S MON
TP	6 88	411 37	4 80	404 49		
PI 5B	5 14	415 21	1 30	410 07	PI #5B	"
TP	1 57	412 75	4 03	411 18		
TBM#30	0 21	405 49	7 47	405 28	TBM #30 ✓	spk in culv
TP	6 67	406 92	5 24	400 25		
TP	6 75	409 87	3 80	403 12		
PI 4C			4 00	405 87	PI #4C	C.S. MON
TP	11 08	417 09	3 86	406 01		
TP			0 79	416 30	*	
					SIDE LINE	
TP	11 85	428 53	0 41	416 68		
FT#1			4 09	424 44	FRUIT TREE #1	C.S. MON
					END SIDE LINE	
TP	7 15	423 45		416 30	*	
"	4 94	425 30	3 09	420 36		
"	5 94	426 82	4 42	420 88		
PH G7 RM 2			5 17	421 65	SPH G-7 RM 1	C.S. MON
"	5 46	426 19	6 09	420 73	" ctr sta	"
TP	1 71	417 82	10 08	416 11		
"	1 62	408 15	11 29	406 53		

Profile No. ___ Notes Red. ___ Date ___ Plotted ___ Date ___ Job No. 8021.64 Division No. 11 F. B. 2955 Pg. 111

X-Sec. No. ___ Notes Chkd. ___ Date ___ Checked ___ Date ___ Survey of PORTUGUESE BEND LANDSLIDE

Survey by ACG Notes ACG Date 10-24-62

Map No. ___ Indexed [redacted] J. GALLI Date ___

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.		
		408 15				
TP	1 19	398 94	10 40	397 75		
"	0 94	388 26	11 62	387 32		
"	3 02	383 25	8 03	380 23		
"	1 82	377 63	7 44	375 81		
PI #3			4 67	372 96	PI #3	CS MON
TP	1 42	367 96	11 09	366 54		
TP	1 41	357 61	11 76	356 20		
TP	1 09	347 26	11 44	346 17		
TP	1 98	337 77	11 47	335 79		
PI-1A			4 15	333 62	PI 1A *	Bt spk W & T
					SIDE LINE	
TP	1 20	327 55	11 42	326 35		
"	0 88	316 62	11 81	315 74		
"	1 34	306 40	11 56	305 06		
"	1 02	295 92	11 50	294 90		
"	1 52	287 23	10 21	285 71		
"	9 80	290 96	6 07	281 16		
SPH H-7A			2 61	288 35	SPH H-7A	CS MON
" Ecc 1			2 81	288 15	" Ecc 1	"
" " 2			2 76	288 20	" Ecc 2	"

END SIDE LINE

F. B. 2955 Pg. 112 Job No. 0021 64 Division No. 11 Notes Red Plotted Profile
Survey of Portuguese Bend Landslide Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd Checked
Indexed J. CALI Date Date Date No.

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.	LINE 1	
PI 1A	1 01	334 63		333 62	PI 1A*	
TP	0 79	325 20	10 22	324 41		
"	0 94	314 25	11 89	313 31		
"	1 57	304 50	11 32	302 93		
"	1 52	294 77	11 25	293 25		
"	0 95	284 56	11 16	283 61		
PB#10			5 00	279 56	PB#10	CS MON
TP	1 24	275 35	10 45	274 11		
"	1 51	266 11	10 75	264 60		
"	3 73	258 90	10 94	255 17		
"	2 89	250 74	11 05	247 85		
"	3 26	243 27	10 73	240 01		
"	1 19	235 74	8 72	234 55		
"	1 20	228 29	8 65	227 09		
	1 49	217 81	11 97	216 32		
WF#1			7 28	210 53	WF #1	spk in step
	0 50	210 96	7 35	210 46		
P-1			11 67	199 29	P-1	CS MON
TP	0 48	200 12	11 32	199 64		
"	0 26	189 72	10 66	189 46		
"	0 19	178 70	11 21	178 51		

Profile No. X-Sec. No.
Notes Red. Date
Notes Chkd. Date
Plotted Date
Checked Date
Job No. 2021 64 Division No. 11
Survey of PORTUGUESE BEND LANDSLIDE
Survey by ACG Notes ACG Date 10-24-62
Map No. Indexed R. J. GALLY Date
F. B. 2955 Pg. 113

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.	LINE 4
T.B.M 34-15A	2 85	233 84		230 99	T.B.M 34, 15A ELEV 230.987
T.P.	3 87	231 95	5 76	228 08	SPK IN LEAD
"	3 80	229 31	6 44	225 51	
"	3 39	226 50	6 20	223 11	
"	2 53	221 97	7 06	219 44	
"	3 14	217 48	7 63	214 34	
T.B.M 50-13A	3 35	213 72	7 11	210 37	T.B.M 50-13A ELEV. 210.395
50-13	2 69	210 71	5 70	208 02	T.B.M 50-13 " 208.006
T.P.	2 61	207 48	5 84	204 87	
T.B.M. #15	5 21	202 18	10 51	196 97	T.B.M #15 (SPK IN HEADWALL)
T.P.	7 18	208 46	0 90	201 28	
J-5			10 38	198 08	★ J-5
T.P	11 16	219 30	0 32	208 14	START SIDELINE TO SHIELDS
"	11 21	230 32	0 19	219 11	
"	10 90	240 52	0 70	229 62	
"	10 67	250 86	0 33	240 19	
"	10 87	261 42	0 31	250 55	
"	10 73	271 03	1 12	260 30	
"	10 88	281 53	0 38	270 65	
"	10 21	290 61	1 13	280 40	
"	10 84	300 95	0 50	290 11	

Profile No. X-Sec. No. Notes Red Date Notes Chkd Date Plotted Date Checked Date Job No. 0021.64 Division No. 11 Survey of PORTUGUESE BEND (LAND SLIDE) Survey by A.C.G. Notes RDS Date 10-25-62 Map No. Indexed J. CALLI Date

F.B. 2955 Pg. 115

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.	
		300 95			
T.P.	11 85	312 31	0 49	300 46	
"	4 10	314 20	2 21	310 10	
"	4 85	314 49	4 56	309 64	
"			4 22	310 27	SHIELDS (PRECAST C.E. MON)
J-5	9 17	207 25		198 08 ★	J-5
T.P.	9 22	215 91	0 56	206 69	
"			8 19	207 72	RADIAL #2 ECC# 1
"	4 90	218 47	2 34	213 57	
J-4	1 55	215 62	4 40	214 07	J-4 (PRECAST C.E. MON)
J-3			5 60	210 02	J-3 (" " " ")
T.P	2 75	208 25	10 12	205 50	
J-1			8 85	199 40	J-1 3/4" I.P. & CAP.
T.P	10 20	217 55	0 90	207 35	
"	10 41	227 73	0 23	217 32	
"	10 43	237 86	0 30	227 43	
J-1A	4 07	233 25	8 68	229 18	J-1A (PRECAST C.E. MON)
T.P	0 34	222 26	11 33	221 92	
"	1 49	212 22	11 53	210 73	
"	2 74	205 80	9 16	203 06	
"	0 18	196 34	9 64	196 16	

F. B. 2955 Pg. 116 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of Portuguese Bend (Land Slide) Date 10-25-62 Date No. X-Sec.
Survey by A.C.G. Notes R.D. Smith Notes Chkd Checked
Indexed [illegible] Date Date No.

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.	LINE 4
		196 34			
T.P.			7 48	188 86 ★	
T.P	2 59	196 74	2 19	194 15	START SIDELINE TO TBM #25
"	0 95	189 39	8 30	188 44	
"	0 71	179 14	10 96	178 43	
"	0 97	168 43	11 68	167 46	
"	0 78	157 36	11 85	156 58	
"	1 42	147 38	11 40	145 96	
"	1 31	138 14	10 55	136 83	
			11 46	126 68	TBM #25 SPK IN CULVERT
T.P.	3 85	192 71		188 86 ★	
"	5 68	197 18	1 21	191 50	
"	5 64	197 47	5 35	191 83	BM 34-17B SPK W & T
T.P	4 70	197 27	4 90	192 57	
"	4 70	195 36	6 61	190 66	
	0 76	187 02	9 10	186 26	
	0 56	176 59	10 99	176 03	
			8 07	168 52	BM 34-18 (PRECAST C.E. MON)
	2 56	168 25	10 90	165 69	
			10 41	157 84 ★	
	11 48	179 42	0 31	167 94	START SIDELINE TO P-34

Profile Notes Red Plotted Job No. .0021.64 Division No. 11 F. B. 2955 PG. 117
No. Date Date Survey of PORTUGUESE BEND (LANDSLIDE)
X-Sec. Notes Chkd Checked Survey by A.C.G. Notes RDS Date 10-25-62
No. Date Date Map No. Indexed [illegible] Date [illegible]

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.	
		179 42			
T.P.	10 71	188 63	1 50	177 92	
"	6 92	193 93	1 62	187 01	
P-3A			3 65	190 28	P-3A (PRECAST C.E. MON.)
	4 62	162 46		157 84 *	
P-3	6 75	164 70	4 51	157 95	P-3 L&T
T.P	6 56	167 03	4 23	160 47	
"	7 51	169 96	4 58	162 45	
P-2			6 66	163 30	P-2 L&T
TBM #31			2 98	166 98	TBM # 31 ELEV. 167.050

F. B. 2955 Pg. 118 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of PARTICLESE BEND (LAND SCHOOL) Date 10-25-52 Date No. X-Sec.
Survey by A.C.G. Notes R.D.S. Notes Chkd Checked
Indexed R.I. GALLI Date Date Date No.

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.	LINE 2
P.B. #9	5 17	409 31		404 14	P.B. #9 (PRECAST C.E. MON) EL 404.142
T.P.	6 76	412 10	3 97	405 34	
"	6 21	413 76	4 55	407 55	
P.B. #9B	7 43	417 15	4 04	409 72	PB # 9B (BT SPK & W&T)
" 9A	7 46	421 59	3 02	414 13	PB #9A (" " " ")
T.P.	10 83	429 54	2 88	418 71	*
	11 40	240 06	0 88	428 66	START SIDELINE TO B-1C
	9 42	248 60	0 88	239 18	
			6 38	242 22	B-1C (PRECAST CE. MON
	4 39	423 10		418 71	*
T.P.	1 24	412 29	12 05	411 05	
P.T #1			4 58	407 71	P.T #1 (BT. SPK W&T)
B-1B	6 42	412 19	6 52	405 77	B-1B (PRECAST C.E. MON)
T.P.	1 03	405 63	7 59	404 60	
"	0 22	394 51	11 34	394 29	
"	0 26	384 21	10 56	383 95	
"	0 28	372 54	11 95	372 26	
"	1 88	365 00	9 42	363 12	
"	0 25	354 44	10 81	354 19	
	2 97	346 11	11 30	343 14	
BM 50-12			7 38	338 73	B.M. 50-12 MON.

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 0021.64 Division No. 11 Survey of PORTUGUESE BEND (LANDSLIDE) Survey by A.C.G. Notes R.D.S. Date 10-25-62 Map No. Indexed J. GALL Date NOV 2 '62

F. B. 2955 Pg. 119

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.	
		346 11			
T.P	10 92	355 58	1 45	344 66	
"	11 00	365 39	1 19	354 39	*
"	10 43	374 50	1 32	364 07	START SIDE LINE TO DAVIS.
"	9 88	383 56	0 82	373 68	
"	9 64	392 76	0 44	383 12	
DAVIS			3 27	389 49	DAVIS (PRECAST) C.E. MON).
	10 91	365 30		354 39	*
T.P	4 36	363 56	6 10	359 20	
RADIAL #1			5 72	357 84	RADIAL #1 (PRECAST C.E. MON)
T.P.	2 86	355 94	10 48	353 08	
"	1 99	346 23	11 67	344 24	
"	2 45	338 29	10 39	335 84	
	2 25	329 93	10 61	327 68	
A-3			9 63	320 30	A-3 (PRECAST C.E. MON.)
A-4			7 82	322 11	A-4 " " "

FIELD ELEV = 322.19

F. B. 2955 Pg. 120 Job No. 0021.64 Division No. 11 Notes Red. Plotted Profile
Survey of THE TUBULUS BEND (LANDSLIDE) Date 10-25-62 Date No. X-Sec.
Survey by A.C.G. Notes R.D.S. Notes Chkd. Checked
Indexed L. J. GALLI Date Date Date No.

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.	
P.B. # 9	5 18	409 32		404 14	P.B. # 9 (PRECAST C.E. MON)
T.P.	6 81	412 61	3 52	405 80	
"	4 92	413 66	3 87	408 74	
P.B. # 9B			3 92	409 74	P.B. # 9B (BT SPK W & T)
T.P.	0 59	403 88	10 37	403 29	
"	0 56	393 83	10 61	393 27	
"	0 51	383 95	10 39	383 44	
"	0 23	373 20	10 98	372 97	
"	0 41	362 55	11 06	362 14	
"	8 22	361 28	9 49	353 06	
S.B. # 3			8 45	352 83	S.B. # 3 (BT SPK W & T)
T.P.	10 82	371 28	0 82	360 46	
"	10 47	380 59	1 16	370 12	
"	11 27	391 31	0 55	380 04	
S.B. # 2			8 10	383 21	S.B. # 2 (BT SPK W & T
T.P.			2 85	388 46	★ " # 1 " " " "
"	10 09	400 55	0 85	390 46	START SIDELINE TO WEST FIX
WEST FIX			6 77	393 78	WEST FIX (PRECAST C.E. MON)
T.P.	8 03	396 49		388 46	★ S.B. # 1 " " "
B 1A			4 94	391 55	S.B. 1A
P.T. 2 AUX 3	0 33	392 04	4 78	391 71	P.T. # 2 AUX # 3

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2955 Pg. 134
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND (LANDSLIDE)
X Sec. Notes Chkd. ____ Checked ____ Survey by A.C.G. Notes R.D.S. Date 10-26-62
No. ____ Date ____ Date ____ Map No. ____ Indexed B. J. GALLI Date ____
0021.64

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

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

Do not extend notes this side of this line.

F.B. 2456 Pg. 122 — Job No. 0021.64 — Division No. 11 — Notes Red — Plotted — Profile
Survey of PORTUGUESE BEND (LAND SLIDE) — Date 10-26-62 — No. — X-Sec.
Survey by A.C.E. & R.D.S. — Notes — Checked — No.
Indexed — Date — Notes Chkd — Date — Date

STATION	B. S.	H. I.	F. S.	ELEV.	
		392 04			
PT # 3	0 24	382 46	9 82	382 22	PT # 3 Sq HD SPK.
T.P	0 55	372 06	10 95	371 51	
PT # 4			6 17	365 89	★ PT # 4 BT SPK W & T
T.P	0 27	361 32	11 01	361 05	START SIDELINE TO H-2
"	0 37	350 88	10 81	350 51	
"	0 35	340 68	10 55	340 33	
"	1 78	331 68	10 78	329 90	
H-2			6 94	324 74	H-2 (PRECAST C.E. MON)
T.P.	0 34	366 23		365 89	★ PT # 4
"	0 38	355 70	10 91	355 32	
"	0 95	345 47	11 18	344 52	
PT # 5	0 23	336 83	8 87	336 60	PT # 5 (BT SPK W & T)
T.P.	0 20	326 21	10 82	326 01	
"	0 78	316 17	10 82	315 39	
PT # 6 AUX # 3	4 78	313 97	6 98	309 19	★ PT # 6 AUX # 3 BT SPK W & T
T.P	0 78	304 19	10 56	303 41	START SIDELINE TO J-2 & BLAKESLEY
"	0 26	293 79	10 66	293 53	
"	6 10	289 52	10 37	283 42	
J-2			9 74	279 78	J-2 2" I.P.
	11 98	301 14	0 36	289 16	

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.	
		301 14			
BLAKESLEY			2 57	298 57	BLAKESLEY (PRECAST C.E. MON)
T.P	0 26	309 45		309 19	★ PT. #6 AUX #3
"	0 81	299 50	10 76	298 69	
"	0 50	289 51	10 49	289 01	
"	0 34	279 03	10 82	278 69	
"	0 46	268 72	10 77	268 26	★
"	10 17	277 07	1 82	266 90	START SIDELINE TO P-4
"	10 70	287 52	0 25	276 82	
"	11 38	297 25	1 65	285 87	
"	10 37	305 50	2 12	295 13	
"	8 03	312 50	1 03	304 47	
P-4			10 09	302 41	P-4 (PRECAST C.E. MON
T.P	0 25	268 51		268 26	★
"	0 39	258 30	10 60	257 91	
"	0 20	247 94	10 56	247 74	
"	0 29	237 53	10 70	237 24	
"	0 45	228 07	9 91	227 62	
	0 84	218 38	10 53	217 54	
	0 51	208 62	10 27	208 11	
BM			5 92	202 70	B.M.C. B.C. MON (ROAD DEPT)

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F.B. 2955 PG. 123
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND (LAND SLIDE)
X Sec. Notes Chkd ____ Checked ____ Survey by A.C.G. Notes R.D.S. Date 10-26-62
No. ____ Date ____ Date ____ Map No. ____ Indexed R. J. GALLI Date ____

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.	
		208 62			
	3 18	202 11	9 69	198 93	
BM 34-17B			10 19	191 92	BM. 34-17B SPK W&T
	11 43	213 12	0 42	201 69	(FELD ELEV = 191.83 per pg 117)
	8 32	221 25	0 19	212 93	
			8 59	212 66	K-1 PRECAST C.E. MON

F. B. 2955 Pg. 124 Job No. 0021.64 Division No. 11 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND (LAND SLIDE Date 10-26-62 Date No. X-Sec.
Survey by A.C.G. Notes R.D.S. Notes Chkd. Checked
Indexed R. J. GAUN Date Date No.

76L-298 S & E #807—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.	LINE # 6
BM 50-9	10 49	1009 89		999 40	BM. 50-9 (ELEV = 999.403 PRECAST C.E. MON)
T.P.	0 42	998 93	11 38	998 51	
"	0 86	987 90	11 89	987 04	
"	1 22	977 44	11 68	976 22	
"	1 02	966 87	11 59	965 85	
"	0 42	955 94	11 35	955 52	
"			8 64	947 30	T.B.M. #11 (SPK IN CULVERT)
"	0 64	945 62	10 96	944 98	
Z-1	0 52	935 87	10 27	935 35	Z-1 (PRECAST C.E. MON)
T.P.	1 03	926 28	10 62	925 25	
"	1 06	916 19	11 15	915 13	
"	1 18	906 30	11 07	905 12	
"	0 68	896 03	10 95	885 35	
"	1 17	885 87	11 33	884 70	
"	0 58	875 14	11 31	874 56	
"	1 06	864 47	11 73	863 41	
BM 50-10			6 31	858 16	BM. 50-10 (PRECAST C.E. MON)
T.P.	0 59	853 46	11 60	852 87	
"	0 86	842 58	11 74	841 72	
"	1 08	832 42	11 24	831 34	
"	0 60	821 53	11 49	820 93	

Profile No. ___ Notes Red. ___ Plotted ___ Job No. 002164 Division No. 11 F.B. 2955 Pg. 135
X-Sec. No. ___ Date ___ Date ___ Survey of PORTUGUESE BEND (LANDSLIDE)
Notes Chkd. ___ Checked ___ Survey by A.C.G. Notes R.D.S. Date 10-29-62
Date ___ Date ___ Map No. ___ Indexed J. GANN Date 2 62

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.	
		821 53			
T.P	0 85	810 63	11 75	809 78	
"	0 87	801 22	10 28	800 35	
Y-4			7 35	793 87	Y-4 (2" I.P. W SPK)
T.P.	0 60	790 19	11 63	789 59	
"	2 49	785 73	6 95	783 24	
T.B.M. #12			8 58	777 15	T.B.M #12 (SPK IN H.W.)
T.P.	0 67	775 75	10 65	775 08	
"	0 74	764 73	11 76	763 99	
"	0 75	754 14	11 34	753 39	
"	0 25	742 52	11 87	742 27	
"	0 89	732 40	11 01	731 51	
"	0 78	721 51	11 67	720 73	
"	0 77	710 70	11 58	709 93	
"	0 33	699 69	11 34	699 36	
"	0 90	689 40	11 19	688 50	
"	0 77	678 97	11 20	678 20	
T.B.M #13			2 93	676 04	T.B.M #13 SPK IN CULVERT
T.P	0 57	669 37	10 17	668 80	
"	1 03	659 33	11 07	658 30	
	7 32	655 73	10 92	648 41	
BM 50-11			8 18	647 55	BM 50-11 ELEV = 647.570 CEMON

F. B. 2955 Pg. 126 Job No. 0021.64 Division No. Notes Red. Plotted Profile
Survey of PARTUGUESE BEND (LAND SLIDE) Date 10-29-62 Date No. X-Sec.
Survey by A. C. G. Notes R.D.S. Notes Chkd. Checked No.
Indexed J. GALLI Date Date Date

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.	LINE # 3
T.B.M. 34-15A	0 78	231 77		230 99	T.B.M. 34-15A ELEV. 230.987 L&T
T.P.	0 19	221 15	10 81	220 96	
"	3 30	213 73	10 72	210 43	
"	2 19	208 55	7 37	206 36	
K-13			6 83	201 72	K-13 (2" I.P.)
T.P.	0 75	198 31	10 99	197 56	
"	0 80	187 25	11 86	186 45	
"	1 35	176 73	11 87	175 38	
K-10A			4 01	172 72	K-10A BT SPK W&T
K-10B			7 12	169 61	K-10B 2" I.P.
K-10C			8 56	168 17	K-10C L&T
K-10			9 45	167 28	K-10 1" I.P.
T.P.	4 12	170 34	10 51	166 22	
K-9A			6 86	163 48	K-9A SPK W&T ✓
K-9B			8 49	161 85	K-9B
T.P.	3 85	162 94	11 25	159 09	
K-8A			5 11	157 83	K-8A BT SPK &T
K-8B			7 49	155 45	K-8B 2" I.P.
T.P.	1 15	152 87	11 22	151 72	
T.P.	0 39	141 74	11 52	141 35	
T.P.	8 06	138 23	11 57	130 17	★

Date Notes Bed Plotted Job No. Division No. 11 F. B. 2599 Pg. 127
No. Date Date Survey of PORTUGUESE BEND (LAND SLIDE)
X-Sec. Notes Chkd. Checked Survey by A.C.G. Notes R.D.S. Date 10-29-62
No. Date Date Map No. Indexed J. CALLI Date NOV 2 62

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.	
		138 23			START SIDELINE TO K-5
K-5			2 25	135 98	K-5 (PRECAST C.E. MON)
	0 70	130 87		130 17	★ T.P.
T.P.	0 23	121 12	9 98	120 89	
"	2 33	112 97	10 48	110 64	
"			2 47	110 50	W-3 (PRECAST C.E. MON)
"	0 37	102 08	11 26	101 71	J-5 AUX " " " ")
"	0 23	90 57	11 74	90 34	
"	0 53	80 10	11 00	79 57	
J-4			5 70	74 40	J-4 (PRECAST C.E. MON)
T.P.	0 22	68 73	11 59	68 51	
"	3 05	60 41	11 37	57 36	
"			3 95	56 46	TBM #28 (SPK IN CONC)
"	5 48	63 10	2 79	57 62	
K-3A			8 88	54 22	K-3A (PRECAST C.E. MON)
T.P.	0 31	51 89	11 52	51 58	
"	1 29	42 51	10 67	41 22	
"	3 03	42 94	2 60	39 91	
K-2A			5 58	47 36	K-2A 2" I.P. — ?
T.P.			10 39	32 55	★
"	7 05	38 74	11 25	31 69	START SIDELINE TO P.B.I.

F. B. 2955 Pg. 138 Job No. 0021.64 Division Notes Red. Plotted
Survey of PORTUGUESE BEND (LAND SLIDE) Date 10-29-62 Date No. X-Sec.
Survey by A.C.G. Notes R.D.S. Notes Chkd. Checked
Indexed J. [illegible] Date Date No.

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.	
		38 74			
T.P.	2 45	30 00	11 19	27 55	
	0 35	18 94	11 41	18 59	
P.B #1			11 38	7 56	P.B #1 ELEV 07.615
T.P	1 39	33 94		32 55	★ T.P.
"	0 61	24 42	10 13	23 81	
"	4 25	17 14	11 53	12 89	
"	6 00	17 35	5 79	11 35	
	0 87	9 22	9 00	8 35	
P.B 6A			8 92	0 30	P.B 6A SPK IN ROCK ELEV 0.35
	7 31	8 76	7 77	1 45	
	4 82	9 41	4 17	4 59	
	5 50	11 04	3 87	5 54	
P.B #8			3 07	7 97	P.B #8 ELEV 07.994 (SPK IN ROCK

Profile Notes Red ____ Plotted ____ Job No. 0021164 Division No. 11 F. B. 2955 Pg. 129
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND (LAND SLIDE
X-Sec. Notes Chkd ____ Checked ____ Survey by ADG Notes RDS Date 10-29-62
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] J. GALLI Date ____

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.

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 1
PB #9	5 26	409 40		404 14	BM PB #9 ELEV = 404.142 CS MON
TP	7 24	412 98	3 66	405 74	
PI #5B			2 91	410 07	PI #5B CS MON
TP	6 41	416 24	3 15	409 83	
"	0 32	408 07	8 49	407 75	
AC #2			2 53	405 54	Sta AC #2 CS MON * NEW STA
TBM #30			2 80	405 27	TBM #30 spk in culvert
TP	5 76	405 47	8 36	399 71	
	6 33	408 87	2 93	402 54	
PI #4C			3 02	405 85	PI #4C CS MON
TP	10 52	415 70	3 69	405 18	
TP	5 34	420 33	0 71	414 99 *	Begin side LINE
TP	8 30	428 33	0 30	420 03	
FT #1			3 92	424 41	FRUIT TREE #1 END SIDE LINE C.S. MON (conc has been broken off)
TP	8 91	423 90		414 99 *	
"	4 94	425 16	3 68	420 22	
"	5 45	426 41	4 20	420 96	
SPH G7 RM #1			4 79	421 62	SPH G-7 RM 1 CS MON
SPH G7			5 71	420 70	" ctr sta "
TP	0 42	415 73	11 10	415 31	

Profile · Notes Red. Plotted Job No. 2021.64 Division No. 11 F. B. 2955 Pg. 131
No. Date Date Survey of PORTUGUESE BEND SUBSIDENCE
X-Sec. Notes Chkd. Checked Survey by ACG Notes ACG Date 1-18-63
No. Date Date Map No. Indexed C. J. GALLI Date JAN 28 '63

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

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

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		415 73				
TP	0 42	404 54	11 61	404 12		
"	0 26	393 58	11 22	393 32		
	1 63	383 49	11 72	381 86		
TP	0 08	376 19	7 38	376 11		
PI # 3			3 28	372 91	PI # 3	CS MON
TP	0 20	364 66	11 73	364 46		
"	0 03	352 74	11 95	352 71		
"	0 06	341 09	11 71	341 03		
"			7 52	333 57	* BT SPK	HSE # 31
TP	0 27	329 79	11 57	329 52	BEGIN SIDE LINE	
	0 42	318 27	11 94	317 85		
	0 41	306 85	11 83	306 44		
	0 42	295 27	12 00	294 85		
	1 52	285 64	11 15	284 12		
TP	9 00	291 71	2 93	282 71		
SPH H-7A			3 42	288 29		
" ECC 1			3 62	288 09		CS MON
" " 2			3 56	288 15		
" " 3					under large dirt pile	
" " 4			3 62	288 09	(NEW STATION)	

F. B. 295 I Pg. 132 Job No. 002164 Division No. 11 Notes Red Plotted • Profile
Survey of PARTINGLESE BEND SUB Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd Checked
Indexed C. J. GALLI Date Date Date No.

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.

(P)

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 1	
TP	0 60	334 17		333 57	* BT spk	~~H~~ #31
	0 16	322 65	11 68	322 49		
	0 29	311 42	11 52	311 13		
	0 13	299 72	11 83	299 59		
	0 00	288 12	11 60	288 12		
TP	2 67	279 69	11 10	277 02		
PB #10			0 20	279 49	PB #10 ✓	CS MON
TP	0 54	268 41	11 82	267 87		
	0 47	257 39	11 49	256 92		
	1 74	247 88	11 25	246 14		
	1 05	237 21	11 72	236 16		
	0 48	226 27	11 42	225 79		
TP	0 08	214 62	11 73	214 54		
WF #1			4 21	210 41	WF #1 ✓	spk in step
TP	0 02	212 33	2 31	212 31		
"	9 17	209 53	11 97	200 36	*	
P #1			10 34	199 19	P #1 ✓ side shot	CS MON
TP	0 36	200 72		200 36	*	
	0 16	189 08	11 80	188 92		
	0 40	177 48	12 00	177 08		
TBM 31			10 47	167 01	TBM #31 ✓ ELEV = 167.050	L&T in cb

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0021.6d Division No. 11 Survey of PORTUGUESE BEND Subs Survey by ACG Notes ACG Date 1-18-63 Map No. ____ Indexed C. J. GALLI Date ____

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

F. B. 2955 PG. 133

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

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

Do not extend notes this side of this line.

F. B. 2937 P. 34 Job No. 2121 Division No. 11 Profile
Survey of PALMDALE-ELIZAD JUNCTION Notes-Red Plotted No.
Survey by ACE Date Date X-Sec.
Indexed C. J. GALL Notes Chkd. Checked
Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 2
BB #9	8 99	413 13		404 14	BM PB #9 ELEV = 404.142 CS MON
AC #3	0 44	412 10	1 47	411 66	AC #3 (NEW STA) CS MON
TP	6 58	411 90	6 78	405 32	
"	6 35	414 15	4 10	407 80	
PB 9-B			4 41	409 74	PB 9B SPK in Rm 4
TP	7 32	418 70	2 77	411 38	
PB 9-A			4 55	414 15	PB 9A SPK in Rm 4
TP	7 38	423 36	2 72	415 98	
TP			3 69	419 67 *	
TP	11 06	430 41	0 01	423 35	BEGIN SIDE LINE
"	11 39	445 75	0 05	434 36	
B1C			3 51	442 24	B1C (END SIDE LINE) CS MON
TP	2 45	422 12		419 67 *	
"	1 10	411 94	11 28	410 84	
PT #1			4 48	407 46	PT #1 SPK in Rm 4
B1B	6 07	411 48	6 53	405 41	B1B CS MON
TP	1 12	404 87	7 73	403 75	
(	0 18	393 92	11 13	393 74	
	0 11	382 82	11 21	382 71	
)	0 05	372 12	10 75	372 07	

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 007 6 Division No. 11
X-Sec. No. 1 Notes Chkd. ____ Date ____ Checked ____ Survey of Portuguese Bend Subdivision
Date ____ Date ____ Survey by ACG Notes ACG Date 1-18-63
Map No. ____ Indexed ____ C. J. GALLI Date ____ F. B. 2755 Pg. 45

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 2
		372 12			
TP	0 53	361 03	11 62	360 50	
TP	0 09	349 17	11 95	349 08	
BM 50-12			10 49	338 68	BM 50-12 ✓ C S MON
TP	11 22	355 57	4 82	344 35	
"	10 86	366 23	0 20	355 37	
"			5 43	360 80 *	
"	11 22	377 22	0 23	366 00	BEGIN SIDE LINE
"	10 78	388 00	0 00	377 22	
"	7 08	393 25	1 83	386 17	
DAVIS			4 08	389 17	DAVIS ✓ (E'wd SIDE LINE) C S MON
TP	3 97	364 77		360 80 *	
Rad 1			7 01	357 76	Radial 1 ✓ C S MON
TP	0 33	357 71	7 39	357 38	
"	0 34	346 32	11 73	345 98	
"	0 46	335 46	11 32	335 00	
"	0 59	324 82	11 23	324 23	
A-3					A-3 was destroyed by FARMER 1/17/63
A 4			2 57	322 25	(A-3 to A-4 was measured 1/15/63) A-4 ELEV = 322.19

(OVER)

76L-298 CE 307 11-58

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

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

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
A-4	5 12	327 37		322 25	A-4 (Field ELEV per pg 135) CSMON
A-3			7 12	320 25	A-3 C.S.MON (RESET A-3 as per distance & offset of date JAN 15, 1963. ELEV as per date JAN 24, 19[illegible] 1-23-63 acg

F. B. 295 II PG. 136 Job No. 0021 64 Division No. 11 Notes Red Plotted Profile
Survey of Portuguese Bend Subsidence Date Date No.
Survey by ACG Notes ACG Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

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.

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 3	
34-15A	0 28	231 27		230 99	TBM 34-15A ELEV = 230.987	L&T
TP	0 09	219 78	11 58	219 69		
"	2 94	211 95	10 77	209 01		
K-13	1 91	203 64	10 22	201 73	K-13	2" IP
TP	0 58	192 75	11 47	192 17		
"	0 32	181 48	11 59	181 16		
K-10A			8 74	172 74	K10A	BT SpK&W
K-10B			11 86	169 62	K10B	2" IP
TP	3 06	173 08	11 46	170 02		
K-10C			4 89	168 19	K-10C	L&T in cb
K-10			5 79	167 29	K-10 ROD = 4.86 + 0.93 = 5.79	
K-9A	6 07	169 58	9 57	163 51	K-9A	BT spK&W
K-9B			7 71	161 87	K-9B	2" IP
K-9			10 28	159 30	K-9	1" IP
K-8A	1 75	159 61	11 72	157 86	K-8A	Bt spK&W
K-8B			4 14	155 47	K-8B	2" IP
TP	0 60	148 36	11 85	147 76		
TP	0 28	137 02	11 62	136 74		
TP			6 11	130 91	*	
TP			11 63	125 39	*	

Profile Notes Red. Plotted Job No. 202164 Division No. 11 F. B. 2955 Pg. 137
No. Date Date Survey of PORTUGUESE BEND SUBSIDENCE
X-Sec. Notes Chkd. Checked Survey by ACG Notes ACG Date 1-16-63
No. Date Date Map No. Indexed C. J. GALLI Date JAN 28 63

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

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

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		SIDE LINE				
TP	9 26	140 17		130 91 *		
K-5			4 16	136 01	K-5 ✓	C.S. MON
					END SIDE LINE	
TP	0 54	125 93		125 39 *		
TP	0 11	115 06	10 98	114 95		
W-3			4 53	110 53	W 3 ✓	CS MON
TP	2 63	106 03	11 66	103 40		
K-5 AUX	0 55	102 30	4 28	101 75	K-5 AUX ✓	C.S. MON
TP	0 26	91 18	11 38	90 92		
TP	0 22	79 67	11 73	79 45		
K-4			5 57	74 10	K-4 ✓	CS MON
TP	0 08	68 23	11 52	68 15		
TP	5 23	62 50	10 96	57 27		
TBM #28			6 13	56 37	TBM #28 ✓	Spk in conc
K-3A			8 22	54 28	K3A ✓ NOTE (SEE PG 140 FOR ELEV ON K3A ECC 1)	CS MON
TP	0 61	51 36	11 75	50 75		
(	3 77	44 63	10 50	40 86		
	9 66	43 79	10 50	34 13		
K-2A	0 98	38 56	6 21	37 58	K2A ✓	2" IP
TP			11 70	26 86 *		

F. B. 2955 Pg. 138 Job No. 0021.64 Division No. 11 Notes Red. Plotted Profile
Survey of The Ingleese Bend Subsidence Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd. Checked No.
Indexed C. J. GALLI Date Date Date

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.

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 3
		38 56			BEGIN Side line
TP	2 63	36 12	5 07	33 49	
"	1 73	26 57	11 28	24 84	
PB 1	0 38	19 23	7 72	18 85	
			11 60	7 63	PB 1 ELEV = 7.60 CS MON
					end side line
TP	0 39	27 25		26 86*	
"	0 59	17 04	10 80	16 45	
	5 24	16 41	5 87	11 17	
	5 88	17 86	4 43	11 98	
	0 44	8 94	9 36	8 50	
PB 6A			8 59	0 35	PB 6A ELEV = 0.35 SPK in ROCK
TP	3 63	8 33	4 24	4 70	
"	4 70	8 77	4 26	4 07	
"	4 60	9 06	4 31	4 46	
PB #8			1 04	8 02	PB #8 ELEV = 7.994 SPK in Rock Wall

Profile Notes Red. Plotted Job No. 00216 Division No. 11 F. B. 2955 Pg. 139
No. Date Date Survey of Portuguese Bend Subsidence
X-Sec. Notes Chkd. Checked Survey by ACG Notes ACG Date 1-16-63
No. Date Date Map No. Indexed C. J. GALLI Date

76L-295 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.

P

Do not extend notes this side of this line.

Profile Notes Red _____ Plotted _____ Job No. 202.64 Division No. 11
No. X-Sec. _____ Date _____ Date _____ Survey of TRAFFICWAY BELLO JUNCTION
No. _____ Notes Chkd _____ Checked _____ Survey by ACE Notes ACE Date 1-21-63
_____ Date _____ Date _____ Map No. _____ Indexed C. J. GALLI Date JAN 2 8 '63

F. B. 29-55 PG. 14A

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 4
BM 34-15A	2 53	233 52		230 99	TBM 34-15A ELEV=230.99 SPK in Ld.
TP	3 49	231 45	5 56	227 96	
∫	2 98	227 79	6 64	224 81	T = R.D. GLIDDEN
∫	1 91	223 21	6 49	221 30	= SOKKISHA #32103 Mod HL 2
TP	1 91	217 64	7 48	215 73	
BM 50-13A	2 85	213 23	7 26	210 38	TBM 50-13A ELEV=210.39 SPK & T in ab.
BM 50-13	2 39	210 42	5 20	208 03	BM 50-13 ELEV=208.006 CS MON
TP	2 68	206 87	6 23	204 19	
TBM #15			9 92	196 95	TBM #15 SPK in curb HW
TP	10 50	208 31	9 06	197 81	
J-5			10 31	198 00	#5 J-5 CS MON
TP	11 31	219 36	0 26	208 05	BEGIN SIDE LINE
	11 00	229 99	0 37	218 99	
	11 36	240 94	0 41	229 58	
	11 22	252 02	0 14	240 80	
	11 60	263 10	0 52	251 50	
	11 34	273 52	0 92	262 18	
	11 65	284 76	0 41	273 11	
	11 39	295 79	0 36	284 40	
	11 13	306 67	0 25	295 54	
	8 79	314 10	1 36	305 31	

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

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

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		314 10				
Shields			3 81	310 29	Sta Shields	CS MON
					END SIDE LINE	
J-5	11 42	209 42		198 00	J-5 (Sta)	
TP	8 35	216 98	0 79	208 63		
Rad 2 Ecc 1			9 47	207 51	Sta. Radial 2 Ecc 1	3/4" cap. pipe
TP	2 67	217 83	1 82	215 16		
J-4	1 75	215 64	3 94	213 89	Sta J-4	CS MON
J-3			5 93	209 71	" J-3	"
TP	0 85	206 83	9 66	205 98		
J-1			7 75	199 08	" J-1	"
TP	11 46	217 97	0 32	206 51		
TP	11 51	229 22	0 26	217 71		
TP	9 36	238 38	0 20	229 02		
J-1A			9 41	228 97	" J-1A	"
TP	0 76	227 65	11 49	226 89		
"	0 65	216 60	11 70	215 95		
"	2 54	208 20	10 94	205 66		
"	2 48	199 18	11 50	196 70		
"			10 45	188 73		
"	3 29	197 21	5 26	193 92	BEGIN SIDE LINE	

F. B. 2853 Pg. 42 Job No. 1166 Division No. 11 Notes Red. Plotted Profile
Survey of Engineer Bend Subsidence Date Date No. X-Sec.
Survey by Notes ACG Notes Chkd Checked
Indexed P. I. CAHI Date Date Date No.

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.

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 4
		197 21			
TP	0 61	189 04	8 78	188 43	
	0 97	178 47	11 54	177 50	
	0 60	167 96	11 11	167 36	
	0 51	156 94	11 53	156 43	
	1 22	147 01	11 15	145 79	
TP	0 91	137 83	10 09	136 92	
TBM #25			11 02	126 81	TBM #25 ✓ spk in Culv.
					END SIDE LINE
TP	3 25	191 98		188 73*	
TP	6 59	196 40	2 17	189 81	
TBM 34-17B	5 67	197 50	4 57	191 83	TBM 34.17B ✓ Btspk W&T
TP	3 36	195 44	5 42	192 08	
	1 32	191 10	5 66	189 78	
	0 83	180 42	11 51	179 59	
	3 42	172 15	11 69	168 73	
TBM 34-18			3 55	168 60	BM 34-18 (1960 ELEV=168.648) CS. MON
TP			11 53	160 62*	
"	11 94	183 63	0 46	171 69	BEGIN SIDE LINE
"	5 67	188 36	0 94	182 69	
"	6 90	193 88	1 38	186 98	

Profile Notes Red. Plotted Job No. 2021 64 Division No. 11 F. B. 2955 Pg. 143
No. Date Date Survey of PORTUGUESE BEND SUBSIDENCE
XSec. Notes Chkd. Checked Survey by RCG Notes RCG Date 11-21-63
No. Date Date Map No. Indexed C. J. GALLI Date

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

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

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		193 88				
P-3A			3 50	190 38	Sta P-3A ✓	CS MON
					End side Line	
TP	2 06	162 68		160 62*		
"	6 94	163 87	5 75	156 93		
P-3			5 85	158 02 ✓		N & C.E. TAG-
"	6 30	166 25	3 92	159 95		
"	6 48	168 56	4 17	162 08		
P-2			5 20	163 36 ✓		N & C.E. TAG.
	6 34	170 96	3 94	164 62		
TBM #31			3 89	167 07		LdT IN CURB
						ELV = 167.05

F. B. 2[illegible] Pg. [illegible] Job No. 2221 64 Division No. 11 Notes Red Plotted Profile
Survey of [illegible] Date Date No. X-Sec.
Survey by [illegible] Notes Notes Chkd Checked
Indexed C. J. GAULL Date Date No.

76L-298 S & E #807—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.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of P.B. LAND SURVEY
Notes Chkd ____ Checked ____ Survey by A.C.G. Notes P.B.J. Date 1-21-63
Date ____ Date ____ Map No. ____ Indexed ____ C.J. CALL Date ____

F. B. 2955 Pg. 145

STATION	B. S.	H. I.	F. S.	ELEV.		
P.B.9B	0 32	410 06		409 74		P.B. 9B FIELD ELEV = 409.74
T.P.	0 32	399 28	11 10	398 96		PER Pg 134 SPK IN R/W
"	0 72	389 60	10 40	388 88		
"	0 35	379 31	10 64	378 96		
"	0 87	368 44	11 14	367 57		
"	3 35	359 91	11 88	356 56		
S.B # 3			7 08	352 83		SPK W & T.
T.P.	10 73	370 29	0 35	359 56		
"	11 45	381 43	0 31	369 98		
" "	11 76	392 46	0 73	380 70		
SB # 2			9 26	383 20		SPK W & T.
SB # 1			4 05	388 41	★	"
T.P.	7 88	399 82	0 52	391 94		START SIDE LINE
WEST FIX.			6 10	392 72		END " " C.S. MON.
SB # 1	8 54	396 95		388 41	★	SPK W & T
SB # 1A			5 49	391 46		C S MON
T # 2 AUX # 3	0 27	391 90	5 32	391 63		BT SPK
T # 3			9 82	382 08		SPK (MAY BE ORIGINAL)
T.P.	0 59	380 81	11 68	380 22		
"	0 59	369 72	11 68	369 13		
PT # 4			3 99	365 73	★	BT. SPK

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.

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		369 72				
			11 77		START SIDE LINE	
T.P.	0 87	358 82		357 95		
"	0 66	348 06	11 42	347 40		
"	0 42	337 20	11 28	336 78		
"	3 30	329 69	10 81	326 39		
H-2			5 11	324 58	END SIDE LINE	C S MON.
PT #4	0 94	366 67		365 73	★	
TP	0 46	355 52	11 61	355 06		
"	0 30	344 88	10 94	344 58		
PT #5	0 75	337 19	8 44	336 44		BT SPK & W
T.P.	1 11	326 64	11 66	325 53		
	1 17	317 29	10 52	316 12		
PT #6 AUX #3	4 26	313 30	8 25	309 04	★	BT SPK & W
T.P	0 67	302 14	11 83	301 47	START SIDE LINE	
"	0 68	292 11	10 65	291 49		
"	8 67	291 02	9 82	282 35		
I-2			11 50	279 52		2" T.P.
	11 55	301 02	1 55	289 47		
BLAKESLEY			2 60	298 42	END SIDE LINE	C.S. MON.

F. B. 2955 PG. 146 0021.64

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

Survey of HB LANDSLIDE Date 1-21-63 Date No.

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

Indexed C. J. GAIN Date Date Date No.

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.		
PT #6 AUX #3	0 15	309 19		309 04	★	BT SPK & W
TP	0 21	298 32	11 08	298 11		
"	0 27	286 95	11 64	286 68		
"	0 69	276 63	11 01	275 94		
"	2 22	268 44	10 41	266 22		
"			11 29	257 15	★	
"	10 68	277 39	1 73	266 71	START SIDE LINE	
"	11 21	287 24	1 36	276 03		
"	11 82	297 44	1 62	285 62		
	11 40	306 88	1 96	295 48		
	6 78	311 87	1 79	305 09		
P-4			9 46	302 41	END SIDE LINE	C S MON.
	0 33	257 48		257 15	★	
	0 60	246 69	11 39	246 09		
	1 13	236 32	11 50	235 19		
	0 52	225 23	11 61	224 71		
	0 03	214 09	11 17	214 06		
ROAD DEPT 3M-C	0 16	202 82	11 43	202 66		ROAD DEPT MON
M 34-17B			10 95	191 87	BT SPK W&T	191.83 FIELD ELEV.
T.P.	10 36	212 50	0 68	202 14		Pg. 143
	9 18	220 27	1 41	211 09		

Profile No. ___ Date ___ Notes Red ___ Plotted ___ Job No. 0021.64 Division No. 11 F. B. 2955 Pg. 147
X-Sec. No. ___ Date ___ Notes Chkd. ___ Checked ___ Survey of P.B. LAND SLIDE
Survey by ACG Notes RDS Date 1-21-63
Map No. ___ Date ___ Indexed R. J. GALLI Date ___

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.

P

Do not extend notes this side of this line.

F. B. 2955 Pg. 148 | 002164 Job No. Division No. 11 Notes Red. Plotted Profile
Survey of SB LANDSLIDE Date 1-21-63 No. X-Sec.
Survey by ACS Notes RDS Notes Chkd. Checked No.
Indexed GAL Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
		22027				
K-1			764	21263		C.S. M04

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.

(P)

STATION	B. S.	H. I.	F. S.	ELEV.	LINE 6	
BM 50-9	11 42	1010 82		999 40	BM 50-9' ELEV = 999.403	C.S. MON
TP	0 14	999 24	11 72	999 10		
	0 27	987 61	11 90	987 34		LEVEL = Sokkisha Mod. AL 2 SEC #32103
	0 63	976 85	11 39	976 22		
	0 11	965 14	11 82	965 03		
TP	0 62	953 80	11 96	953 18		
TBM #11			6 54	947 26	TBM #11 ✓	PK in culv Wall
TP	0 59	943 03	11 36	942 44		
Z-1			7 73	935 30	Sta Z-1 ✓	CS MON
TP	0 73	932 10	11 66	931 37		
	0 47	921 43	11 14	920 96		
	0 30	909 91	11 82	909 61		
	0 02	898 29	11 64	898 27		
	0 26	886 95	11 60	886 69		
	0 28	875 56	11 67	875 28		
TP	0 37	864 04	11 89	863 67		
BM 50-10			5 89	858 15	BM 50-10 ✓	CS MON
TP	0 02	852 32	11 74	852 30		
	0 40	840 97	11 75	840 57		
	0 02	829 30	11 69	829 28		
TP	0 14	817 98	11 46	817 84		

Profile No. ___ Notes Red. ___ Plotted ___ Job No. 002/64 Division No. 11 F. B. 2955' PG. 149
X-Sec. No. ___ Date ___ Date ___ Survey of FORTUNESE BEND SUB
Notes Chkd. ___ Checked ___ Survey by ACG Notes ACG Date 1-17-63
Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date JAN 28 '63

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.

P

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		817 98				
TP	0 23	806 58	11 63	806 35		
"	1 69	796 83	11 44	795 14		
Sta Y-4			2 99	793 84	Sta Y-4 ✓	2' IP
TP	0 13	785 87	11 09	785 74		
TBM #12			8 71	777 16	TBM #12 ✓	spk in culv HW
TP	0 55	775 14	11 28	774 59		
	0 14	763 36	11 92	763 22		
	0 45	751 84	11 97	751 39		
	0 14	740 02	11 96	739 88		
	0 37	728 41	11 98	728 04		
	0 30	716 76	11 95	716 46		
	0 22	705 03	11 95	704 81		
	0 23	693 32	11 94	693 09		
TP	0 04	681 39	11 97	681 35		
TBM #13			5 38	676 01	TBM #13 ✓	spk in HW
TP	0 59	670 13	11 85	669 54		
	0 13	658 68	11 58	658 55		
BM 50-11			11 13	647 55	BM 50-11 ✓ ELEV-647.570	CS MON

F. B. 29 ... Pg. 150 Job No. 0021 6E Division No. 11 Notes Red ... Plotted ... Profile
Survey of Rattlesnake Sand Sub Date ... Date ... No. ... X-Sec.
Survey by ACG Notes ACG Notes Chkd ... Checked ... No.
Indexed C. J. GALLI Date ... Date ... Date ... No.

765420 S & E-353 9-55

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM 34-20B	232 379					BM. 34-20B ELEV 232.379
+	4 047		3.910			ADJ 1960. PALOS VERDES DR. S.
⊼	236426	-5.390	-5.390			IN CONC BASE FLAC POLE
−	9 437		9.300			SEE F.B 1355-46.
BM 34-20A	226989					BM. 34-20A ELEV. 227.006
+	7055		6.808			ADJ 1960. C.B.M. ON N.E. COR
⊼	234044	-1.193	-1.191			FIRE DEPT. PROP.
−	8248		7.999			SEE F.B 1355-46
T.P	225796					
+	0964		0.862			
⊼	226760	-8.675	-8.675			
−	9639		9.537			
T.P	217121					
+	1542		1.482			
⊼	218663	-6.610	-6.609			
−	8 152		8.091			
T.P	210511					
+	1 148		1.140			
⊼	211659	7.651	-7.651			
−	8 799		8.791			
T.P	202.860					
+	0930		0.953			
⊼	203790	8.133	-8.132			
−	9.063		9.085			
T.P	194727					
+	1.440		1.438			
⊼	196.167	-6.362	6.363			
−	7.802		7.801			
T.P	188 365					

NOTES RED _____ JOB NO 8021.64 SURVEY OF L.B. LAND SLIDE
DATE _____ SURVEY BY A.C. GUIZADO
NOTES CHKD _____ NOTES BY R.D. SMITH DATE 1-22-64
DATE _____ INDEXED C.J. GALL DATE 1-23-64

F.B. 2955 PG. 15

768420 S & E-353-9-55

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

NOTES RED _____ DATE _____
NOTES CHKD. _____ DATE _____

JOB NO. 0021.64
SURVEY OF P.B. LANDSLIDE
SURVEY BY A.C. GUIZADO DATE 1-22-63
NOTES BY R.P. SMITH DATE _____
INDEXED C.J. GALLI DATE _____

F.B. 2955 PG. 152

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	188.365					
+	1.068		1.059			
=	189.433	-7.645	-7.644			
-	8.713		8.703			
T.P	180.720					
+	3.187		3.149			
=	183.907	-8.074	-8.074			
-	11.261		11.223			
B.M. 34-19A	172.646					BM 34-19A. ELEV. 172.642. ADJ. 1960. PALOS VERDES DR. S IN CONC CATCH BASIN. SEE. FB 1355 - 50B.
+	3.101		3.073			
=	175.747	-2.798	-2.797			
-	5.899		5.870			
T.P	169.848					
+	4.261		4.240			
=	174.109	-0.938	-0.937			
-	5.199		5.177			
T.P	168.910					
+	4.448		4.445			
=	173.358	-0.822	-0.824			
-	5.270		5.269			
T.P	168.088					
+	4.820		4.823			
=	172.908	-1.018	-1.018			
-	5.838		5.841			
T.B.M.-31	167.070					T.B.M. L&T IN CURB AT ENTRANCE TO WAYFARER CHAPEL.

76S420 S & E-353 9-55

168 6U8

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 SOKKISHA SER # 32103

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TBM #31	167.070					TBM #31 LET in conc cb. of
+	4.345		4.315			DIVIDER ISLE OF ENTRANCE TO
π	171.415	-1.922	-1.922			WAYFARERS chapel.
-	6.267		6.237			
TP	165.148					
+	4.207		4.201			
π	169.355	-1.708	-1.708			
-	5.915		5.909			
TP	163.440					
+	4.349		4.338			
π	167.789	-1.090	-1.091			
-	5.439		5.429			
TP	162.350					
+	4.605		4.611			
π	166.955	-1.258	-1.258			
-	5.863		5.869			
TP	161.092					
+	4.589		4.581			
π	165.681	-1.361	-1.362			
-	5.950		5.943			
TP	159.731					
+	4.495		4.477			
π	164.226	-1.706	-1.710			
-	6.201		6.187			
TP	158.025					
+	4.583		4.567			
π	162.608	-1.336	-1.335			
-	5.919		5.902			
TP	156.689					

NOTES RED
DATE
NOTES CHKD.
DATE
JOB NO. 0021 64
SURVEY BY A.C. GUIZADO
NOTES BY ACG
INDEXED C. J. GALLI
SURVEY OF PORTUGUESE BEND
DATE 1-23-63
DATE

F. B. 2955 PG. 153

76S420 S & E-353-9-55

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	156.689					
+	6.549		6.491			
⊼	163.238	+4.558	+4.556			
—	1.991		1.935			
TP	161.247					
+	9.641		9.609			
⊼	170.888	+7.366	+7.364			
—	2.275		2.245			
BM34-18	168.613					BM34-18 (1960 ELEV-168.648) PALOS VERDES DR. S. & NARCISSA DR NE'ly COR. SEE FB 1355-22 FOR DESC.

JOB NO. 0021 64 SURVEY OF PORTUGUESE BEND NOTES RED.
SURVEY BY ACGUIZADO DATE
NOTES BY ACG DATE 1-23-63 NOTES CHKD.
INDEXED C. J. GALLI DATE DATE

F. B. 2951 PG. 154

765420 S & E-353 9-55

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
34-12	417.128					BM 34-12 (1960 ELEV = 417.128)
+	5.881		5.728			NEAR INT. P.V. DR SO & P.V. DR E & PACIFIC AVE
π	423.009	+0.541	+0.540			SEE FB 1355-17 FOR DESC.
−	5.340		5.188			
34-11	417.669					BM 34-11 (1960 ELEV = 417.665) USC&GS 4-168
+	1.362		1.388			US 2881, P.V. DR SO & P.V. DR E, 176± ft
π	419.031	-3.236	-3.235			NW'ly FROM INT SEE FB 1355-17 FOR DESC.
−	4.598		4.623			
TP	414.433					
+	2.167		2.081			
π	416.600	-7.664	-7.661			
−	9.831		9.742			π R.D. GLIDDEN
TP	406.769					LEVEL = SOKKISHA SER# 32103
+	0.902		0.761			
π	407.671	-7.280	-7.279			
−	8.182		8.040			
TP	399.489					
+	0.931		0.908			
π	400.420	-8.011	-8.010			
−	8.942		8.918			
TP	391.478					
+	0.709		0.588			
π	392.187	-7.301	-7.300			
−	8.010		7.888			
TP	384.177					
+	1.312		1.238			
π	385.489	-6.152	-6.150			
−	7.464		7.388			
TP	378.025					

NOTES RED ____ JOB NO 0021.64 SURVEY OF PORTUGUESE BEND
DATE ____ SURVEY BY A.C. GUIZADO
NOTES CHKD ____ NOTES BY A.C.G. DATE 1-22-63
DATE ____ INDEXED B. J. GALLI DATE ____

F.B. 2955 PG. 155

765420 S & E-353-9-55

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	378.025					
+	1.258		1.272			
⊼	379.283	-5.759	-5.759			
−	7.017		7.031			
TP	372.266					
+	0.298		0.362			
⊼	372.564	-8.880	-8.878			
−	9.178		9.240			
TP	363.386					
+	1.233		1.122			
⊼	364.619	-7.214	-7.214			
−	8.447		8336			
TP	356.172					
+	1.829		1762			
⊼	358.001	-6.421	-6424			
−	8.250		8186			
TP	349.751					
+	0.927		0851			
⊼	350.678	-7.743	-7741			
−	8.670		8592			
TP	342.008					
+	1.514		1.462			
⊼	343.522	-7.664	-7.660			
−	9.178		9122			
TP	334.344					
+	2.056		1975			
⊼	336.400	-2.187	-2.187			BM34-13 (1960 ELEV - 332.168) USC&GS √787
−	4.243	-	-4162			US4131, P.V. DR. So, 0.5 m W FROM P.V. DR. So &
34-13	332.157					P.V. DR. E. SEE FB 135578 FOR DESC.

NOTES RED. ____ DATE ____
NOTES CHKD. ____ DATE ____
JOB NO. 0021 64 SURVEY OF Portuguese Bend
SURVEY BY A.C. GUIZADO
NOTES BY ACG DATE 1-28-63
INDEXED C. J. GALLI DATE ____
F. B. 294 PG. 156

76S420 S & E-353 9-55

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM 34-13	332.168					BM 34-13 ELEV. 332.168
+	1.883		1.800			ADJ. 1960 PALOS VERDE DR. S.
⊼	334051	-4.814	-4.811			SEE E.B. 1355-18.
−	6.697		6.611			
T.P	327354					
+	1.298		1.219			
⊼	328652	-6.964	-6.964			
−	8.262		8.183			
T.P	320390					
+	1.413		1.308			
⊼	321803	-6.778	-6.780			
−	8.191		8.088			
T.P	313612					
+	2.007		1.953			
⊼	315619	-6.534	-6.536			
−	8.541		8.489			
T.P	307.078					
+	0.498		0.437			
⊼	307576	-10.544	-10.545			
−	11.042		10.982			
	296534					
+	0.762		0.657			
⊼	297296	-9.061	-9.061			
−	9.823		9.718			
	287473					
+	2.877		2.647	2.690		
⊼	290350	-7.105	-7.205	7.108		
−	9.982		9.852	9.798		
T.P.	280368					

NOTES RED
DATE
NOTES CHKD.
DATE

JOB NO. 0021.64
SURVEY OF PB LAND SLIDE
SURVEY BY A.C. GUIZADO
NOTES BY R.D.S.
DATE 1-22-63
INDEXED C.J. GALLI
DATE

F.B. 2955 PG. 157

765420 S & E-353-9-55

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

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

Do not extend notes this side of this line

F.B. 1355 Pg. 1 & 2

JOB NO. 802-1.64 SURVEY OF P.B. LANDSLIDE NOTES RED. DATE

SURVEY BY A.C. GUZMAN NOTES CHKD. DATE

NOTES BY R.D.S. DATE 1-22-65

INDEXED G.J. GALLI DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	280.368					
+	0.808		0741			
⊼	281176	-8 634	-8.633			
−	9442		9 374			
	271734					
+	0882		0.820	0.753		
⊼	272616	-8.066	-9.061	-8.064		
−	8948		9 881	8817		
	263668					
+	0586		0,518			
⊼	264254	-9 095	-9.093			
−	9 681		9611			
	254573					
+	0850		0.769			
⊼	255423	-7.656	-7.656			
−	8506		8.425			
	246917					
+	2258		2191			
⊼	249175	-5.940	-5.940			
−	8 198		8131			
	240977					
+	2523		2 378			
⊼	243560	-6.789	-6.789			
−	9312		9.167			
	234.188					
+	2.246		2.061			
⊼	236434	-3.022	-3.022			
−	5268		5.083			
34-14A	231.166					

BM 34-14A (1960 ELEV = 231.102) USC&GS T1053 PKDR. Sp. & SCHOONER DR. NW COR.
SEE FB 1355-45 FOR DESC.

765420 S & E-353 9-55

231.102

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM 34-14A	231.166					BM 34-14A.
+	4.109		4.021			(SEE ABOVE)
π	235275	-0.158	-0.156			
−	4.267		4.177			
BM 34-15A	231 008					BM -34-15A BT. SPK & LEAD
+	3 190		3.094			IN CURB. AT ENTRANCE
π	234198	-2.407	-2.408			TO PORTUGUESE BEND CLUB.
−	5.597		5.502			PVDR SO. & SCHOONER DR. SE COR.
T.P.	228601					SEE FB 2318-171 (1960 ELEV = 230.974)
+	4 230		4.167			
π	232831	-1.278	-1.278			
−	5508		5.445			
T.P.	227323					
+	3.777		3.731			
π	231100	-2.272	-2.271			
−	6049		6.002			
T.P.	225051					
+	3357		3.221			
π	228409	-2.458	-2.459			
−	5815		5.680			
T.P.	222593					
+	3073		2.952			
π	225666	-3.658	-3.658			
−	6731		6.610			
T.P.	218935					
+	2559		-2.471			
π	221494	-4.883	-4.879			
−	7442		7.350			
T.P.	214052					

NOTES RED ____ JOB NO. 0021.64 SURVEY OF P.B. LANDSLIDE
DATE ____ SURVEY BY A.C. GUIZADO
NOTES CHKD. ____ NOTES BY R.D.S. DATE 1-22-63
DATE ____ INDEXED C. I. GALLI DATE ____

F.B. 2955 PG. 159

76S420 S & E-353 9-55

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

JOB NO. 0021 64 SURVEY OF Portugues & Bend NOTES RED.
SURVEY BY A.C. Guizado DATE NOTES CHKD.
NOTES BY R.D.S. DATE 1-22-63 DATE
INDEXED G.J. Galli DATE
F.B. 2953 Pg. 150

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	214 052					
+	2 998		2907			
⊼	217 050	-3.535	-3.535			
−	6.533		6.442			
T.P.	210.517					
+	4786		4.711			
⊼	215303	-0.129	-0.131			
−	4915		4.842			
T.B.M. ?	210388					T.B.M. ?, SPK & TIN IN CURB.
+	3308		3.232			
⊼	213696	-3.505	-3.501			
−	6.813		6.139			
	206883					
+	4.815		4.759	4.815		
⊼	211.698	+1.163	+1.167	+1.166		
−	3.649		3.592	3.649		
BM 50-13	208049					BM 50-13 ELEV. 207.988 ADJ 1960 S E MON R/D Sta. 0+40 ± N. E. OF CRENSHAW BLVD (under Const.) SCRFD 2400-22
+	2590		2458			
⊼	210639	-3.810	-3.811			
−	6.400		6.267			
	204239					
+	3851		3.808			
⊼	208090	-3.642	-3.639			
−	7493		7447			
T.P	200597					
+	2234		2.403			
⊼	202831	-5.378	-5.378			
−	7.612		7.781			
T.P.	195219					

765420 S & E-353 9-55

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	195.219					
+	1.274		1.308			
Σ	196.493	-8.514	-8.509			
−	9.788		9.817			
T.P.	186.705					
+	1.549		1.549			
Σ	188.254	-4.633	-4.633			
−	6.182		6.182			
T.P	182.072					
+	4.778		4.690			
Σ	186.850	+0.289	+0.287			
−	4.489		4.403			
T.P	182.361					
+	5.839		5.779	5.830		
Σ	188.200	+1.733	+1.739	+1.736		
−	4.106		4.040	4.094		
T.P.	184.094					
+	6.522		6.563			
Σ	190.616	+3.581	+3.581			
−	2.941		2.982			
T.P	187.675					
+	6.183		6.225			
Σ	193.858	+1.697	+1.697			
−	4.486		4.528			
T.P	189.372					
+	5.667		5.632			
Σ	195.039	+1.565	+1.562			
−	4.102		4.070			
T.P	190.937					

NOTES RED _____ DATE _____
NOTES CHKD _____ DATE _____
INDEXED _____ DATE _____

JOB NO 002.64 SURVEY OF P.B. LANDSLIDE
SURVEY BY A.C. GUTIERREZ
NOTES BY R.D.S. DATE 1-23-63

F.B. 2955 PG. 161

76S420 S & E-353-9-55

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	190 937					
+	5 928		5.889			
⊼	196 865	+0.556	+0.551			
−	5 372		5.338			
T.P	191493					
+	3 925		3.877			
⊼	195418	-2.524	-2.524			
−	6.449		6.401			
T.P	188969					
+	3 369		3.421			
⊼	192338	-1.681	-1.682			
−	5050		5.103			
T.P	187288					
+	6.690		6.785	6.690		
⊼	193978	+3.905	+3.905	+3.908		
−	2.782		2.880	2.782		
T.P	191196					
+	5418		5.353	5.418		
⊼	196614	-0.981	0.981	0.981		
−	6.399		6.334	6.399		
TP	190.215					
+	6,267		6.295			
⊼	196.482	+1.637	1.636			
−	4.630		4.659			
B.M. 34-17B	191.852					BM. 34-17B
+	5.332		5.384			BT SPK W&T IN CENTER
⊼	197.184	-0.119	0.124			DIVIDER
−	5.451		5.508			P.V.DR. SO & PEPPERTREE DR.
TP	191.733					

JOB NO. 0021 64 SURVEY OF PORTUGUESE BEND NOTES RED.
SURVEY BY A.C. GUIZADO DATE
NOTES BY R.D.S. DATE 1-23-63 NOTES CHKD.
INDEXED B.J. CALL DATE DATE

F. B. 2956 PG. 162

76S420 S & E-353 9-55

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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	191.733					
+	6.037		6.094			
⊼	197.770	+ 0.372	0.372			
−	5.665		5.722			
T.P.	192.105					
+	3.568		3.742			
⊼	195.673	− 1.684	1.680			
−	5.252		5.422			
T.P.	190.421					
+	5.251		5.300			
⊼	195.672	− 0.687	0.690			
−	5.938		5.990			
T.P.	189.734					
+	2.555		2.459			
⊼	192.289	− 6.444	6.444			
−	8.999		8.903			
T.P.	183.290					
+	1.043		1.014			
⊼	184.333	− 9.030	9.029			
−	10.073		10.043			
T.P.	174.260					
+	1.305		1.332			
⊼	175.565	− 5.641	5.641			
−	6.946		6.973			
BM 34-18	168.619					BM 34-18 [illegible]
						SEE F.B. 1355-22 FOR DESC
						ADJ ELEV 1960 168.648 ✓
						P.V. DR SO & NARCISSA DR

NOTES RED _____ JOB NO. 0021.64 SURVEY OF PORTUGUESE BEND
DATE _____ SURVEY BY A.C. GUIZADO
NOTES CHKD. _____ NOTES BY R.D.S. DATE 1-23-63
DATE _____ INDEXED C. J. GALLI DATE _____

F.B. 2955 PG. 163

F.B. 2958 Pg. 144

JOB NO. 002164 SURVEY OF PORTUGUESE BEND NOTES RED.
SURVEY BY A-S Guizado DATE
NOTES BY R D S DATE 1-23-63 NOTES CHKD.
INDEXED DATE DATE

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

765420 S & E-353-9-55

PLEASE 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.

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.	LINE #1
PB #9	4531	408 673		404 142	PB #9 (BM) ELEV = 404 142 CE MON
PB TP	6588	411 806	3455	405 218	
~~PI~~ #5B	4936	415 022	1720	410 086	Sta PI #5B CE MON
TP	1023	412 476	3569	411 453	
AC-2			6906	405 570	" AC #2 CE MON
TBM #30			7192	405 284	TBM #30 spk & hd in culv.
TP	3610	404 831	11 255	401 221	(NOTE: USING BREITHAUPT KASSEL Autom. SER # 121680)
TP	7162	408 085	3908	400 923	
PI #4C			2200	405 885	Sta PI 4-C CE MON
TP	7881	412 824	3142	404 943	
TP	10 930	423 392	0 362	412 462*	
TP	6500	428 762	1130	422 262	BEGIN SIDE LINE
FT #1			4 330	424 432	Sta Fruit tree #1 (END SIDE LINE) CE MON
TP	10 819	423 281		412 462*	
TP	5302	425 603	2980	420 301	
TP	4947	426 371	4179	421 424	
SPH G7 RM 1			4731	421 640	Sta SPH G-7 RM 1 CE MON
SPH G7			5653	420 718	" " "
TP	0742	416 023	11 090	415 281	
"	1392	406 363	11 052	404 971	
"	0 723	395 479	11 607	394 756	

Profile Notes Red ____ Plotted ____ Job No. 2221 64 Division No. 11 F. B. 2955 PG. 165
No. ____ Date ____ Date ____ Survey of FORTUGUESE BEND SUBSURFACE
X-Sec. Notes Chkd. [illegible] Checked ____ Survey by ACG Notes ACG Date 2-20-63
No. ____ Date 3/5/63 Date ____ Map No. ____ Indexed C. J. GALLI Date [illegible]

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.

Profile No. ___ Plotted ___
X-Sec. No. ___ Date ___
Notes Red ___ Date ___
Notes Chkd DEC Checked ___ Date 3/5/58
Notes ACG Date ___
Notes C. J. GAUL Date ___
Division No. 11 Job No 2221 6V
Survey of Peralta Hills Subdivision
Survey by ACG
Indexed ___
F. B. 3965 Pg. 60A

STATION	B. S.	H. I.	F. S.	ELEV.		
		395 479				
TP	1 149	385 152	11 476	384 003		
TP	1 089	378 848	7 393	377 759		
PI #3			5 880	372 968	Sta PI #3	C-E 4 MON
TP	0 966	368 164	11 630	367 198		
TP	0 390	357 046	11 508	356 656		
TP	1 183	347 787	10 442	346 604		
TP	1 900	338 345	11 347	336 445		
PI #1A			4 738	333 607	Sta PI #1A	B+ spk(s) ST
TP	0 437	327 506	11 276	327 069	BEGIN SIDE LINE	
"	0 504	316 222	11 788	315 718		
"	0 400	305 455	11 167	305 055		
"	0 472	294 075	11 852	293 603		
"	3 373	285 518	11 930	282 145		
"	8 130	291 846	1 802	283 716		
SPH H-7A			3 503	288 343	Sta SPH H-7A	C-E 4 MON
" Ec 1			3 716	288 130	" Ec 1	"
" " 2			3 658	288 188	" " 2	"
" " 4			3 708	288 138	" " 4	(END SIDE LINE)
PI #1A	0 283	333 890		333 607	Sta PI #1A	
TP	0 632	323 142	11 380	322 510		

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.	LINE 1	
		323 142				
TP	0 470	313 751	9 861	313 281		
TP	0 322	303 227	10 846	302 905		
TP	0 500	293 735	9 992	293 235		
TP	1 051	284 640	10 146	283 589		
PB#10			5 101	279 539	Sta PB#10	CE MON
TP	0 668	274 711	10 597	274 043		
"	1 557	265 150	11 118	263 593		
"	0 656	254 408	11 398	253 752		
"	2 354	246 074	10 688	243 720		
"	1 320	236 498	10 896	235 178		
"	0 680	226 121	11 057	225 441		
"	2 730	217 856	10 995	215 126		
WF#1	6 988	217 444	7 400	210 456	Sta WF#1	spk in step
TP	1 535	209 856	9 123	208 321		
P-1			10 663	199 193	Sta P-1	CE MON
TP	1 029	199 293	11 592	198 264		
"	0 630	188 250	11 673	187 620		
"	0 273	176 750	11 773	176 477		
TBM 31			9 695	167 055	TBM#31 ✓ ELEV=167.050	L&T in ck

Profile Notes Red. Plotted Job No. 0021-64 Division No. 11 F. B. 2955
No. Date Date Survey of Portuguese Bend Subsidence
X-Sec. Notes Chkd. Checked Survey by ACG Notes ACG Date 2-20-63
No. Date 3/5/63 Date Map No. Indexed R. J. GALLI Date

2955 Pg. 168

Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd Checked X-Sec.

Indexed C. J. GALLI Date Date Date No.

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

76L-298 S & E #307—1-56

PLEASE 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.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line. NOTE (USING Breithaupt Kassel Autom) Ser#121680 1.30 RM

Profile Notes Red ____ Plotted ____ Job No 0202/64 Division No. ____
No. ____ Date ____ Date ____ Survey of Portuguese Bend Subdivision
X-Sec. ____ Notes Chkd. KLH Checked ____ Survey by ACG Notes ACG Date 2-19-64
No. ____ Date 3/13/64 Date ____ Map No. ____ Indexed R. J. GALL Date 3-16-64

F.B. 2755 Pg 16

STATION	B.S.	H.I.	F.S.	ELEV.	LINE 2
PB9	8560	412 702		404 142	PB9 (BM) ELEV = 404.142 CE MON
AC-3			1049	411 653	Sta AC3 CE MON
TP	6808	411 424	8086	404 616	
"	6298	413 732	3990	407 434	
PB9B			3987	409 745	Sta PB9B spk & tin
TP	7378	418 366	2744	410 988	
PB9A			4209	414 157	" PB9A "
TP	7690	423 241	2815	415 551	
TP			4186	419 055 *	
TP	11038	433 950	0329	422 912	BEGIN SIDE LINE
TP	11108	444 688	0370	433 580	
B-1C			2439	442 249	Sta B-1C CE MON (END SIDE LINE
TP	2859	421 914		419 055 *	
TP	1327	411 911	11230	410 684	
PT#1			4620	407 291	Sta PT#1 spk & tin
B-1B	6338	411 533	6714	405 197	B-1B CE MON
TP	2129	405 786	7878	403 651	
	0639	395 150	11275	394 511	
	1288	385 196	11242	383 908	
	0602	374 284	11514	373 682	
TP	2084	364 858	11510	362 774	

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
		364 858				
TP	0 354	353 717	11 495	353 363		
"	3 090	345 260	11 547	342 170		
50-12			6 710	338 550	BM 50-12	CE MON
TP	11 382	355 521	1 121	344 139		
"	10 351	365 540	0 332	355 189	*	
"	10 294	375 459	0 375	365 165	BEGIN SIDE LINE	
"	11 190	385 821	0 828	374 631		
"	7 450	392 618	0 653	385 168		
DAVIS			3 740	388 878	Sta DAVIS	CE MON (END SIDE LINE)
TP	10 938	366 127		355 189	*	
"	4 441	363 118	7 450	358 677		
Rad 1			5 525	357 593	Sta Radial 1	CE MON
TP	0 330	352 580	10 868	352 250		
"	0 569	341 324	11 825	340 755		
"	0 618	331 300	10 642	330 682		
A-3			11 277	320 023	Sta A-3	CE MON
A-4			9 127	322 173	" A-4 ELEV=322.19	CE MON
		END	LINE			

F.B. 2955 PG. 170
Job No. 2021 Division No. 11 Notes Red Plotted Profile
Survey of PORTUGUESE BEND SUBSIDENCE Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd. [illegible] Checked
Indexed C.J. GALLI Date Date 3/5/63 Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

Profile No. _____ Notes Red _____ Plotted _____ Job No. 2002 64 Division No. 11
X-Sec. No. _____ Date _____ Date _____ Survey of TR BELLFLOWER BLVD - SURVEY
Notes Cmkd. [illegible] Checked _____ Survey by ACG Notes ACG Date 3/5/63
Date 3/5/63 Date _____ Map No. _____ Indexed C.J. Gatti Date _____ F.B. 7955 Pg. 77

STATION	B.S.	H.I.	F.S.	ELEV.	
34-15A	0481	231 465		230 974	TBM 34-15A 1960 ELEV = 230.974 Left 17 cb
TP	1211	221 254	11 412	220 043	
TP	3108	213 530	10 832	210 422	" R.D. GLIDDEN
TP	3720	210 670	6 580	206 950	
K-13			8950	201 720	Sta K-13 2" IP
TP	0838	201 956	9 552	201 118	NOTE: (USING BREITHAUPT KASSEL Autom SER# 121680
"	1138	192 443	10 951	191 005	
"	0746	180 938	11 951	180 192	
K-10A			8218	172 720	Sta K-10A Bt. spk w&T
K-10B			11 332	169 606	" K-10B 3" IP
TP	0286	169 751	11 473	169 465	
K-10C			1577	168 174	" K-10C Left 1 cb
K-10			2473	167 278	" K-10 Rod = 1.543 + 0.930 } = 2473 1" IP
K-9A			6246	163 505	" K-9 Bt. spk w&T
K-9B			7891	161 860	" K-9B 2" IP
K-9			10 465	159 286	" K-9 Bt. spk w&T
K-8A	0939	158 784	11 906	157 845	" K-8A "
K-8B			3323	155 461	" K-8B 2" IP
TP	0312	147 370	11 726	147 058	
	6540	142 087	11 823	135 547	
K-5			6091	132 997	Sta K-5 SIDE SHOT CE MON

76L-298 GE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
TP	0657	136 204		135 547		
"	0478	124 888	11 794	124 410		
"	0327	113 876	11239	113 649		
W-3			3359	110 517	STA W-3	CE MON
TP	0430	102 502	11 804	102 072		
K-5A			0763	101 739	" K-5A	CE MON
TP	0299	90 941	11 860	90 642		
"	0732	80 193	11 480	79 461		
K-4			6305	73 888	" K-4	CE MON
TP	0886	69 310	11 769	68 424		
"	4741	62 089	11 962	57 348		
TBM #28			5839	56 250	TBM #28	spk/in/conc
K-3A Eccl			5948	56 141	STA K-3A Eccl	CE MON
K-3A			7875	54 214	" "	"
TP	0473	50 757	11 805	50 284		
"	0748	41 118	10 387	40 370		
"	1822	41 567	1373	39 745		
K-2A			3963	37 604	STA K-2A	2" IP
TP	5002	36 364	10205	31 362		
TP	2590	36 820	1734	34 430		
TP	3823	29 624	11 019	25 801		

F.B. 2955 PG. 172 Job No. 0021 64 Division No. 11 Notes Red Plotted Profile
Survey of PORTUGUESE BEND SUBSIDENCE Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd. [illegible] Checked No.
Indexed Date Date 3/5/63 Date

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 0216 Division No. 11
No. X Sec. Date ____ Date ____ Survey of PORTUGUESE BEND SUBDIVISION
No. ____ Notes Chkd. WCM Checked ____ Survey by ACG Notes ACG Date 2-20-63
Date ____ Date 3/5/63 Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F.B. 3955 Pg. 173

STATION	B.S.	H.I.	F.S.	ELEV.	LINE 3
		29 624			
TP	0128	18 397	11355	18 269	
PB#1	5428	13 003	10822	7 575	BM PB#1 ELEV = 7.600 CE 7/64
TP	1644	3 974	10673	2 330	
TP	9316	7 677	5613	1 639	
TP	4440	8 278	3839	3 838	
TP	3352	10 230	1400	6878	
TP	1144	8 416	2958	7 272	
TP	4376	3 467	9325	0 909	
PB#6A	7092	7 371	3188	0 279	BM PB#6A ELEV = 0.350 SPK in rock
TP	6830	9 378	4823	2 548	
TP	6632	8 650	7360	2 018	
TP	8922	11 124	6448	2 202	
PB#8			3170	7 954	BM PB#8 ELEV = 7.994 SPK in 12" oak

END

F.B. 2955 PG. 174

Job No. Division No. Notes Red Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed F. J. GALLI Date Date Date No.

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

76L-298 CE 307 11-58

PLEASE 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.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE 4
34-15A	2802	233776		230974	TBM 34-15A 1960 ELEV=230.974 SPK/cb
	3811	232148	5439	228337	
	3508	229909	5747	226401	
	3438	227130	6217	223692	
	2296	222687	6739	220391	
	1652	217675	6664	216023	
50-13A	3291	213648	7318	210357	TBM 50-13A (ELEV=210.395) SPK/cb
50-13	2533	210550	5631	208017	BM 50-13 (ELEV.=207.988) CE MON
	1942	206460	6032	204518	
BM #15			9523	196937	TBM #15 SPK IN HEADWALL
	10962	208058	9364	197096	
J-5			10127	197931	J-5 C.E. MON
	10868	218415	0511	207547	BEGINING SIDE LINE
	10902	229124	0193	218222	
	11279	240203	0200	228924	
	11613	251195	0621	239582	
	11192	262076	0311	250884	
	11108	272797	0387	261689	
	11942	284240	0499	272298	
	10722	291560	3402	280838	
			0583	290977	

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0021 64 Division No. ___ F.B. 2953 Pg. 175
X-Sec. No. ___ Date ___ Date ___ Survey of Portuguese Bend
Notes Chkd [illegible] Checked ___ Survey by A.C.G. Notes A.G. Date 2-25-63
Date 3/5/63 Date ___ Map No. ___ Indexed C. J. GALLI Date ___

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	
	11 766	302743		290977	
	11315	313926	0132	302611	
SHIELDS			3655	310271	SHIELDS (ELEV = 310.34) CE M
J-5	10628	208559		197931	J-5 END SIDE LINE
	9859	217914	0504	208055	
Rad 2 Ecc 1			10530	207384	RADIAL 2 ECC #1 CE MON.
	3510	217144	4280	213634	
J-4	1280	215062	3362	213782	J-4 CE MON.
J-3			5513	209549	J-3 C.E. MON
~~J-1~~ TP	2202	207996	9268	205794	~~J-1~~ TP 1" IP
J-1			9049	198947	? J-1
	11216	218852	0360	207636	
	10951	229402	0401	218451	
	8921	237580	0743	228659	
J-1A			8722	228858	J-1A CE MON
	0040	226534	11086	226494	
	0308	215359	11483	215051	
	2337	206569	11127	204232	
	0196	195709	11056	195513	
			7917	187792	BEGINING SIDELINE

F.B. 2958 PG. 76
Job No. 0021.64 Division No. Notes Red Plotted Profile
Survey of Rosemarie Bend Date Date No.
Survey by [illegible] Notes AG Notes Chkd. [illegible] Checked X-Sec.
Indexed C. J. GRIFF Date 2-25-63 Date 3/5/63 Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

LINE 4

STATION	B.S.	H.I.	F.S.	ELEV.	
		195 709			
	2973	197 020	1 662	194 047	
	0671	189 033	8 658	188 362	
	0977	178 385	11 625	177 408	
	0645	167 887	11 143	167 242	
	0558	156 838	11 607	156 280	
TP	1244	146 873	11 209	145 629	TP
~~BM #25~~	0939	137 807	10 005	136 868	~~TBM #25~~ TBM-25 SPK SPK/IN/CULV.
BM 25			11 110	126 697	END SIDE LINE
	4965	192 757		187 792	⊗
	4949	196 099	1 607	191 150	
M34-17B	5596	197 377	4 318	191 781	BM34-17B Bt spk W&T
	4470	196 929	4 918	192 459	
	6154	195 745	7 338	189 591	
	0589	188 462	7 872	187 873	
	0238	177 399	11 301	177 161	
34-18			8 822	168 577	BM34-18 CE MON
			11 723	165 676	*
	11927	187 511	1815	175 584	BEGIN SIDE LINE
	7899	192 888	2522	184 989	
P-3A			2538	190 350	STA P-3A (END SIDE LINE) CE MON

Profile No. X-Sec. No.
Notes Red Date
Notes Chkd. [illegible] Date 3/5/63
Plotted Date
Checked Date
Job No. 0021 64
Division No. 11
Survey of PORTUGUESE BEND SUBSIDENCE
Survey by A.C.G. Notes A.G. Date 2-25-6
Map No. Indexed C. J. GALLI Date
F.B. 2953 PG. 177

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV		
TP	0 612	166 288		165 676	*	
	5 076	162 342	9 022	157 266		
P-3	6 290	164 302	4 330	158 012	STA P-3	L&T in cb
	6 049	166 208	4 143	160 159		
	5 498	167 684	4 022	162 186		
P-2	7 118	170 460	4 342	163 342	STA P-2	L&T in cb
TBM #31			3 412	167 048	TBM #31 ELEV = 167.050	

F. B. 2955 PG. 178
Job No. 0021 64 Division No. 11 Notes Red Plotted Profile
Survey of PARTINGNESE BEND SUB. Date Date No.
Survey by ACG Notes AG. Notes Chkd. [illegible] Checked X-Sec.
Indexed C. J. GALLI Date 2-25-63 Date 3/5/63 Date No.

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

Profile No. — Notes Red. — Plotted — Job No. 4821.44 Division No. 11
T. Sec. — Date — Date — Survey of BENEDICT CANYON - BEVERLY GLEN
Notes Check. Date 3/5/63 — Checked — Survey by ACG — Notes ACG Date 2-25-63
Date — Date — Map No. — Indexed — Date

F.B. 7955 Pg. 54

STATION	B.S.	H.I.	F.S.	ELEV.	LINE	#	
BB 9-B	1371	411 116		409 745	Sta BB 9-B Field Elev = 409.745 per pg 169		BS&R 1955
TP	0328	399 696	11748	399 368			
"	1524	391 451	9769	389 927	(USING BOEITHAUPT KASPAL AUTM. LEVEL		
"	1161	381 358	11254	380 197	SEE # 121680		
"	0555	371 769	10144	371 214			
"	0695	363 893	8571	363 198			
"	6713	359 866	10740	353 153			
SB #3			7010	352 856	Sta SB #3	Bt spk w&t	
TP	10117	369 435	0548	359 318			
"	10250	378 210	1475	367 960			
"	11782	389 745	0247	377 963			
SB #2			6611	383 234	Sta SB #2	Bt spk w&t	
SB #1	10290	398 712	1323	388 422	" "		
WEST FIX			4990	393 722	Sta WEST FIX (SIDE SHOT	C-S MON	
(SB #)	8315	396 797		388 422	" SB #1	Bt spk w&t	
SB #1A			5325	391 472	" SB #1A	C.E. MON	
PT #2 AUX #3	1382	392 987	5192	391 605	" PT #2 AUX #3	spk & w	
TP	2468	383 532	11923	381 064			
PT 3			1497	382 035	" PT #3	sq. hd.	
TP	1880	373 963	11449	372 083			
PT 4	1442	367 135	8270	365 693	" PT #4	Bt spk w&t	

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

F.B. 8953 PG. 180
Survey of BEGINNING SIDE LINE
Survey by ACG
Indexed C. I. GAIN

Job No 22116 Division No. 1 Notes Red Plotted Profile
Notes ACG Date Date No. X-Sec.
Date 2-25-63 Notes Chkd. HJK Checked
Date 3/6/63 Date No.

STATION	B. S.	H. I.	F. S.	ELEV		
		367 135			BEGIN SIDE LINE	
TP	1021	358 456	9700	357435		
"	0962	348 201	11217	347239		
"	1747	338852	11096	337105		
"	3492	331 274	11070	327782		
H-2			6763	324511	STA H-2 (END SIDE LINE)	CE MON
PT#4	1663	367 356		365693	" PT#4	
TP	0908	357624	10640	356716		
"	0815	347070	11369	346255		
"	1123	338 521	9672	337398		
PT 5			2122	336399	STA PT#5	BI/SKEWST
TP	1133	327 924	11730	326791		
"	0627	316 821	11730	316194		
PT#6 Aux 3	5930	314 911	7840	308981	" PT#6 Aux 3	BI/SKEWST
TP	1026	304 614	11323	303588	BEGIN SIDE LINE	
"	1028	294 999	10643	293971		
"	6290	290099	11190	283809		
I-2			10085	280014	STA I-2	2" IP
TP	11450	301514	0035	290064		
BLAKESLY			2520	298994	" BLAKESLY (END SIDE LINE)	CE MON

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE 5
PT6 Aux 3	0846	309 827		308 981	Sta PT6 Aux 3 BK [illegible]
T.P.	1143	299 520	11 450	298 377	
	0726	289 471	10 775	288 745	
	1083	278 974	11 580	277 891	
	1103	268 369	11 708	267 266	
			11 417	256 952 *	
	8383	272 322	4 430	263 939	BEGIN SIDE LINE
	9964	281 066	1 220	271 102	
	10104	289 109	2 061	279 005	
	10572	296 476	3 205	285 904	
	10998	304 424	1 050	295 426	
	6705	312 189	0 940	305 484	
P-4			9 735	302 454	STA P-4 (END SIDE LINE) CEMON
TP	1702	258 654		256 952 *	
	1850	248 936	11 568	247 086	
	0983	239 647	10 272	238 664	
	0923	229 340	11 230	228 417	
	1548	220 368	10 520	218 820	
	0723	210 046	11 045	209 323	
BM BC			7 375	202 671	STA BM BC LA Co Rd Dept
	0604	199 240	11 410	198 636	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021 62 Division No. 11 F.B. 2955 Pg. [illegible]
X-Sec. No. ____ Notes Chkd [illegible] Date ____ Checked ____ Date ____ Survey of PORTUGUESE BEND Subs. Survey by ACG Date 2-25-63
Map No. ____ Indexed C. J. GALLI Date ____

76L-298 CE 307 11-58

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

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

Pg 177

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV	
		199 240			
TBM 34-17B			7470	191 770	TBM 34-17B Field Elev = 191.781 per pg 177 (LINE #4
	10643	209 053	0830	198 410	BEGIN SIDE LINE
	10764	218 275	1542	207 511	
K-1			5600	212 675	Sta K-1 CEMON

F.B. 3955 PG. 182 Job No. 0021 64 Division No. 11 Notes Red Plotted Profile
Survey of Portuguese Bend Sub. Date Date No. X-Sec.
Survey by ACG Notes ACG Notes Chkd. [illegible] Checked
Indexed C. J. GALLI Date 2-25-63 Date 3/5/63 Date No.

76L-298 CE 307 11-58

(P)

RELEASE 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.

Profile No. X-Sec. No.
Notes Red Date Plotted
Notes Ckd. RWC Date 3/15/63 Checked Date
Job No. 0MR164 Division No. 11
Survey of BELLFLOWER-BEND 3W5
Survey by RCG Notes RCG Date 2-26-63
Map No. Indexed C. J. GATH Date MAY 5 63
F.B. 2955 Pg. 182

STATION	B.S.	H.I.	F.S.	ELEV.	LINE 6
50-9	10	999.010206		999403	BM 50-9 (ELEV.= 999.403) CE MON
TP	0.216	999361	11.055	999145	
	0.261	988810	10.812	988549	
	0.032	977.172	11.670	977140	
	0.041	966251	10.962	966210	
	0.321	954940	11.632	954619	
TBM #11			7.677	947263	TBM #11 PK. IN HEADWALL
TP	0.400	944457	10.883	944057	
BM			9.135	935322	BM Z-1 (ELEV.=) CE MON
TP	0.549	933304	11.702	932755	
	0.126	921808	11.622	921682	
	0.185	910.324	11.669	910139	
	0.051	898604	11.771	898553	
	0.628	888070	11.162	887442	
	0.142	877310	10.902	877168	
	0.310	865892	11.728	865582	
BM 50-10			7.730	858162	BM 50-10 (ELEV.=) CE MON
	0.514	855374	11.032	854860	
	0.513	843.994	11.893	843481	
	0.401	832797	11.598	832396	
			11.527	821270	

76L-298 CE 307 11-58

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

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

(P)

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV		
TP	0409	821679		821270		
	0381	810376	11684	809995		
	0173	799018	11531	798845		
			5120	793898	TBM Y-4	2" IP WITH SPK.
	0170	787762	11426	787592		
TBM #12			10569	777193	TBM #12	PK. IN HEADWALL
TP.	0511	776484	11789	775973		
	0506	765425	11565	764919		
	0715	754500	11640	753785		
	0283	743321	11462	743038		
	0875	732788	11408	731913		
	0337	721765	11360	721428		
	0102	710789	11078	710687		
	0182	699145	11826	698963		
	0690	688357	11478	687667		
	0419	677654	11182	677175		
TBM #13			1607	676047	TBM #13	PK IN HEAD WALL
	0655	666598	11711	665943		
	0502	655690	11410	655188		
50-13			8088	647602	BM 50-13 ELEV=647570 CEMON	

F.B. 2953 Pg. 184 Job No. 0021 54 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of PORTUGUESE BEND SUBSIDENCE Date ____ Date ____ No. ____ X-Sec. ____
Survey by ACG Notes RDG Notes Chkd. [illegible] Checked ____ No. ____
Indexed E. J. GALLI Date 2-21-63 Date 3/5/63 Date ____

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.

LINE #3 4-11-63

STATION	B. S.	H. I.	F. S.	ELEV.	
B.M. 34-15A	0 438	231 412		230 974	
T.P.	2 949	222 747	11 614	219 798	
"	3 967	214 885	11 829	210 918	
"	3 825	212 917	5 793	209 092	
"	2 795	209 408	6 304	206 613	
"	0 547	198 111	11 844	197 564	
"	0 280	190 343	8 048	190 063	
"	0 960	180 990	10 313	180 030	
K-10A			8 265	172 725	
K-10B	7 028	176 635	11 383	169 607	
K-10			9 354	167 281	
K-10C			8 461	168 174	
T.P.	0 641	165 363	11 913	164 722	
K-9A			1 848	163 515	
K-9			6 071	159 292	
K-8A			7 515	157 848	
K-8B			9 901	155 462	
T.P.	0 265	154 588	11 040	154 323	
"	2 810	146 685	10 713	143 875	
"	3 187	139 582	10 290	136 395	
"	8 840	142 229	6 193	133 389	⊗ Begin sideline

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0021.64 Division No. 11 Survey of PORT. BEND LANDSLIDE Survey by WILKS Notes WILKS Date 4-11-63 Map No. Indexed B. J. GALLI Date MAY 1 '63

F. B. 2955 PG. 185

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.

LINE #3 4-11-63

STATION	B. S.	H. I.	F. S.	ELEV.	
		142 229			
K-5			6 225	136 004	end sideline
T.P.	0 431	133 820		133 389	
"	0 618	123 465	10 973	122 847	
"	0 902	113 293	11 074	112 391	
W-3			2 758	110 535	
T.P. ix.	3 265	107 948	8 610	104 683	
K-5 AUX.			6 195	101 753	
T.P.	0 288	99 961	8 275	99 673	
"	0 455	89 071	11 345	88 616	
"	0 871	78 837	11 105	77 966	
K-4			5 228	73 609	
T.P.	0 509	69 079	10 267	68 570	
"	4 655	62 476	11 258	57 821	
"	7 989	62 464	8 001	54 475	
T.B.M. 28			6 335	56 129	
K-3A ECC.1			6 703	55 761	
T.P.	6 381	61 122	7 723	54 741	
K-3A			8 933	54 189	
T.P.	1 128	51 339	10 911	50 211	
"	1 002	40 980	11 361	39 978	

F. B. 2955 PG. 186

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of P. B. LANDSLIDE Date Date No. X-Sec.

Survey by WILKS Notes WILKS Notes Chkd Checked

Indexed C. J. GALLI Date Date No.

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.

Profile Notes Red____ Plotted____ Job No 0021.64 Division No. 11
No.____ Date____ Date____ Survey of FORT BEND LANDSLIDE
X Sec. Notes Chkd____ Checked____ Survey by WILKS Notes WILKS Date 4-11-63
No.____ Date____ Date____ Map No.____ Indexed R. J. CAIN Date MAY 1 '63

F. B. 2955 Pg. 18

LINE #3 4-11-63

STATION	B. S.	H. I.	F. S.	ELEV.	
		40 980			
T. P.	5 202	45 187	0 995	39 985	✓
K-2A			7 444	37 743	✓
T. P.	0 447	34 432	11 202	33 985	✓
"	0 838	25 136	10 134	24 298	✓
"	0 815	14 936	11 015	14 121	✓
"	2 229	12 957	4 208	10 728	✓ @ begin sideline
"	4 140	8 668	8 433	4 524	✓
"	7 820	10 814	5 670	2 994	✓
P. B. #1			3 213	7 601	✓ end side line
T. P.	1 365	12 093		10 728	✓
"	7 425	15 828	3 690	8 403	✓
"	6 839	10 757	11 910	3 918	✓
"	10 089	14 503	9 343	1 414	✓
"	4 662	13 757	8 408	9 095	✓
"	5 082	17 437	1 402	12 355	✓
"	6 939	17 871	6 505	10 932	✓
"	2 125	12 856	7 140	10 731	✓
P. B. #8			4 862	7 994	✓

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.

Profile No. X-Sec. No.

Plotted Date Notes Red. Date

Checked Date Notes Chkd Date

Division No. 11 Job No. 0221.64

Survey of P.B. 111/86 Notes W.L.K.S.

Survey by W.L.K.S.

Indexed R.J.C. (Chief) Date

M.F. Bk. 2955 Pg. 188

LINE #4 4-16-63

STATION	B. S.	H. I.	F. S.	ELEV.	
T.B.M. 34-15A	2.136	233.110		230.974	✓
T.P.	3.487	229.917	6.680	226.430	✓
"	1.982	225.279	6.620	223.297	✓
"	1.057	218.366	7.970	217.309	✓
T.B.M. 50-13 A	2.877	213.239	8.004	210.362	✓
T.B.M. 50-13	1.598	209.622	5.215	208.024	✓
T.P.	1.202	203.236	7.588	202.034	✓
T.B.M. 15			6.300	196.936	✓
T.P.	10.824	207.045	7.015	196.221	✓
J-5			9.187	197.858	✓ ⊕ Begin sideline
T.P.	11.502	218.297	0.250	206.795	✓
"	11.552	229.434	0.415	217.882	✓
"	11.990	240.842	0.582	228.852	✓
"	11.760	251.902	0.700	240.142	✓
"	11.847	263.283	0.466	251.436	✓
"	11.443	274.508	0.218	263.065	✓
"	11.783	286.069	0.222	274.286	✓
"	11.244	297.113	0.200	285.869	✓
"	11.864	308.257	0.720	296.393	✓
"	6.682	314.706	0.233	308.024	✓
"	5.202	314.111	5.797	308.909	✓

76L-298 9 & 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.

Profile Notes Red. Plotted Job No. 0221.44 Division No. 11
No. X Sec. Date Date Survey of P.B. LANDSAIRE
Notes Chkd. Date Checked Survey by WILKES Notes WILKES Date 4-16-63
No. Date Date Map No. Indexed W. J. GANT Date MAY 1

F. B. 2955 Pg. 189

STATION	B. S.		H. I.		F. S.		ELEV.		LINE # 4	4-16-63
			314	111						
T. P.	5	007	314	498	4	620	309	491		
Shields					4	200	310	298	end sideline	
J-5	9	402	207	260			197	858		
T. P.	11	760	218	160	0	860	206	400		
Radial 2 Eq. L					10	965	207	195		
T. P.	2	960	217	712	3	408	214	752		
+-4	6	343	219	963	4	092	213	620		
J-3					10	663	209	300		
T. P.	0	968	210	396	10	535	209	428		
"	-3	223	204	141	9	478	200	918		
J-1					5	448	198	693		
T. P.	10	710	209	866	4	985	199	156		
"	11	605	221	007	0	464	209	402		
"	11	640	231	522	1	125	219	882		
"	5	831	234	560	2	793	228	729		
"	5	861	233	473	6	948	227	612		
J-1A					4	800	228	673		
T. P.	0	204	224	193	9	484	223	989		
"	0	213	213	535	10	871	213	322		
"	2	875	205	325	11	085	202	450		

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.

LINE #4 4-16-63

STATION	B. S.	H. I.	F. S.	ELEV.	
		205 325			
T.P.	1 057	199 025	7 357	197 968	
T.P.	6 402	195 987	9 440	189 585	Begin sideline
"	0 396	188 713	7 670	188 317	
"	0 818	178 142	11 389	177 324	
"	0 276	167 394	11 024	167 118	
"	0 284	156 397	11 281	156 113	
"	1 133	146 570	10 960	145 437	
"	1 186	138 078	9 678	136 892	
T.B.M. 25			11 442	126 636	END sideline
T.P.	3 195	192 780		189 585	
"	7 585	193 581	6 784	185 996	
"	3 653	195 711	1 523	192 058	
T.B.M. 34-17B	5 566	197 333	3 944	191 767	
"	7 111	198 394	6 050	191 283	
"	1 810	192 659	7 545	190 849	
"	0 410	182 086	10 983	181 676	
"	0 486	172 717	9 855	172 231	
B.M. 34-18			4 069	168 648	
T.P.	9 724	170 457	11 984	160 733	begin sideline
"	11 638	180 868	1 227	169 230	

F. B. 2955 PG. 190

Job No. 0021.64 Division No. 11 Notes Red. Plotted Profile

Survey of P.B. LANDSLIDE Date No. X-Sec.

Survey by WILKS Notes WILKS Notes Chkd. Checked

Indexed R. J. GAUL Date Date No.

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.	LINE #4 4-16-63
		180 868			
T. P.	7 368	187 904	0 332	180 536	
T. P.	8 188	193 744	2 348	185 556	
P-3A			3 337	190 407	END SIDELINE
T. P.	1 895	162 628		160 733	
"	6 093	163 771	4 950	157 678	
P-3			5 695	158 076	
T. P.	5 840	166 121	3 490	160 281	
T. P.	6 575	168 851	3 845	162 276	
P-2			5 440	163 411	
B. M. 31			1 730	167 121	
			LINE #2 4-17-63		
P. B. 9	5 068	409 210		404 142	
	6 048	411 936	3 322	405 888	
	5 658	413 494	4 100	407 836	
P. B. 9B	7 184	416 954	3 724	409 770	
	7 203	421 384	2 773	414 181	
	11 202	429 565	3 021	418 363	begin sideline
	9 753	438 601	0 717	428 848	
	9 350	446 923	1 028	437 573	

Profile No. X-Sec. No. Notes Red. Date Notes Chkd. Date Plotted Date Checked Date Job No. 0021-64 Division No. 11 Survey of P. B. LANDSLIDE Survey by WILKS Notes WILKS Date 4-16-63 Map No. Indexed [illegible] Date [illegible] 63

F. B. 2955 PG. 191

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.	LINE # 2	4-17-63
		446 923				
B-1-C			4 650	442 273	end sideline	
T.P.	4 693	423 056		418 363		
"	0 422	411 698	11 780	411 276		
P.T. #1			4 630	407 068		
B-1-B	6 310	411 168	6 840	404 858		
T.P.	1 481	403 444	9 205	401 963		
"	0 574	392 961	11 057	392 387		
"	1 052	383 636	10 377	382 584		
"	0 470	372 978	11 128	372 508		
"	2 283	364 741	10 520	362 458		
"	0 346	354 153	10 934	353 807		
"	0 867	344 950	10 070	344 083		
B.M. 50-12			6 520	338 430		
T.P.	11 768	351 792	4 926	340 024		
"	11 469	362 973	0 288	351 504		
"			5 483	357 490	begin sideline	
"	11 705	373 236	1 442	361 531		
"	11 803	384 139	0 900	372 336		
"	10 435	393 049	1 525	382 614		
DAVIS			4 474	388 575	end sideline	

F. B. 2955 PG. 192

Job No. 002464 Division No. 11 Notes Red. Plotted Profile

Survey of P.B. LANDSLIDE Date No. X-Sec.

Survey by WILKS Notes WILKS Notes Chkd. Checked

Indexed Date Date No.

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.	LINE #2	4-17-63
	9 206	366 696		357 490		
T.R	6 808	363 884	9 620	357 076		
Radial #1			6 380	357 504 ✓		
T.P.	0 265	352 261	11 888	351 996		
"	1 273	342 539	10 995	341 266		
"	0 224	330 993	11 770	330 769		
A-3	5 597	325 549	11 041	319 952 ✓		
A-4			3 330	322 219 ✓		

Profile Notes Red Plotted Job No. 0021.64 Division No. 11 F. B. 2955 Pg. 193
No. Date Date Survey of P.B. LANDSLIDE
X-Sec. Notes Chkd. Checked Survey by WILKS Notes WILKS Date 4-17-63
No. Date Date Map No. Indexed C. J. [illegible] Date [illegible] 1 '63

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.

Profile No. X-Sec.
Plotted Date Checked Date No.
Notes Red Date Notes Chkd Date
Division No. 11
Job No 2021-64
Notes Written
Indexed R. J. Clark Date
Survey of I.B. Lakeside
Survey by Wilkie
Bk. 2953 Pg. 194

LINE # 5 4-15-63

STATION	B. S.	H. I.	F. S.	ELEV.	
P.B. #9	5 068	409 210		404 142	✓
T.P.	6 048	411 936	3 322	405 888	
"	5 658	413 494	4 100	407 836	✓
P.B. #9B	1 429	411 199	3 724	409 770	✓
T.P.	2 928	402 825	11 302	399 897	
"	1 185	392 606	11 404	391 421	
"	0 212	381 931	10 887	381 719	
"	0 549	370 998	11 482	370 449	
"	1 113	360 824	11 287	359 711	
S.B. #3	9 805	362 660	7 969	352 855	✓
T.P.	9 762	371 804	0 618	362 042	
"	10 228	381 831	0 201	371 603	
"	9 641	390 675	0 797	381 034	
S.B. #2			7 448	383 227	✓
S.B. #1	11 990	400 384	2 281	388 394	✓ Begin Side Line
West Fix			6 620	393 764	END "
	6 080	394 174		388 394	
T.P.	3 000	397 284	0 390	394 084	
"	2 272	388 071	11 285	385 799	
P.T. # 3			6 128	381 943	✓
T.P.	0 411	377 464	11 018	377 053	

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

LINE #5 4-15-63

STATION	B.S.	H.I.	F.S.	ELEV.	
		377 464			
P.T. #4	0 927	366 523	11 868	365 596	Begin sideline
T.P.	0 495	355 960	11 058	355 465	
"	0 438	344 830	11 568	344 392	
"	0 917	334 104	11 643	333 187	
H-2			9 727	324 377	
T.P.	0 552	323 796	10 860	323 244	
"	4 149	319 045	8 900	314 896	
H-4			10 485	308 560	End sideline
	1 088	366 684		365 596	
T.P.	0 558	355 612	11 630	355 054	
"	0 603	345 637	10 578	345 034	
P.T. #5	1 231	337 507	9 361	336 276	
T.P.	1 008	328 021	10 494	327 013	
"	0 420	316 848	11 593	316 428	
T. #6 Aux. 3	7 331	316 174	8 005	308 843	Begin sideline
T.P.	0 588	306 794	9 968	306 206	
"	5 829	301 444	11 179	295 615	
Lakesley			3 225	298 219	
P.	0 415	290 994	10 865	290 579	
I-2				279 186	End sideline

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0021.68 Division No. 11 Survey of P.B. LANDSLIDE Survey by WILKS Notes WILKS Date 4-15-63 Map No. Indexed E. J. GAULL Date MAY 1 '63

F.B. 2955 PG. 195

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

F.B. 2953 PG. 196

Job No. 0021/64 Division No. 11 Notes Red Plotted Profile

Survey of P.B. SLIDE Date No.

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

Indexed C.J. GARY Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #5 4-15-63
P.T. #6 Aux. 3	0 635	309 478		308 843	
T.P.	0 303	298 629	11 152	298 326	
"	1 429	289 627	10 431	288 198	
"	2 704	280 538	11 793	277 834	
"	0 808	270 933	10 413	270 125	
"	7 985	270 986	7 932	263 001	begin sideline
"	11 602	280 598	1 990	268 996	
"	11 340	291 448	0 490	280 108	
"	10 205	301 050	0 603	290 845	
"	11 380	309 112	3 318	297 732	
P-4			6 720	302 392	end sideline
	0 607	263 608		263 001	
T.P.	0 221	251 937	11 892	251 716	
"	0 455	241 187	11 205	240 732	
"	1 090	232 264	10 013	231 174	
"	0 610	222 104	10 770	221 494	
"	0 678	212 704	10 078	212 026	
B.M. "C"	0 541	203 140	10 105	202 599	
T.P.	2 657	194 889	10 908	192 232	
T.B.M. 34-17B	10 765	202 556	3 098	191 791	T.B.M. 34-17B El = 191.767
T.P.	11 175	213 113	0 618	201 938	
T.P.	8 595	221 273	0 435	[illegible]	
R-1			[illegible]	[illegible]	

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. 002166 Division No. 11
No. ____ Data ____ Date ____ Survey of P.B. LAND DS LINE
X-Sec. Notes Chkd. ____ Checked ____ Survey by W.L.K.S. Notes W.L.K.S Date 4-16-63
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] Date [illegible]

F.B. 2955 Pg. 19

LINE #1 4-16-63

STATION	B.S.	H.I.	F.S.	ELEV.	
P.B. 9	4 183	408 325		404 142	
T.P.	6 410	411 565	3 170	405 155	
"	6 487	414 631	3 421	408 144	
P.I. 5B			4 530	410 101	
T.P.	5 785	416 367	4 049	410 582	
"	0 665	407 226	9 806	406 561	
T.B.M. #30			1 910	405 316	
A.C. #2			1 643	405 583	
T.P.	6 384	406 157	7 453	399 773	
"	6 675	409 271	3 561	402 596	
"	7 115	412 138	4 248	405 023	
"	7 605	419 241	0 502	411 636	
"	11 414	428 176	2 479	416 762	begin Side line
#1 Fruit Tree			3 704	424 472	end "
T.P.	11 900	428 662		416 762	
"	5 882	425 286	9 258	421 19 404	
"	5 635	426 073	4 848	420 4 838	
"	3 618	425 291	4 400	421 673	
S.P.H. 6-7			4 531	420 760	
T.P.	1 212	414 698	11 805	413 486	
"	1 362	404 967	11 093	403 605	

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

F.B. 29515 Pg. 148
Job No. 2021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. SLIDE Date Date No. X-Sec.
Survey by Wilkes Notes Wilkes Notes Chkd. Checked
Indexed C.J. GALL Date Date Date No.

LINE #1 4-16-63

STATION	B.S.	H.I.	F.S.	ELEV.	
		404 967			
T.P.	0 578	394 283	11 262	393 805	
"	0 930	383 400	11 813	382 470	
"	2 852	380 084	6 168	377 232	
P.I. #3			7 058	373 026	
T.P.	0 958	370 167	10 875	369 209	
"	0 829	359 421	11 575	358 592	
"	1 710	349 411	11 720	347 701	
"	1 140	338 896	11 655	337 756	
P.B. 1A			5 221	333 675	begin sideline
T.P.	0 360	328 507	10 749	328 147	
"	0 491	312 506	11 492	317 015	
"	1 383	307 531	11 358	306 148	
"	1 569	297 338	11 762	295 769	
"	1 615	287 433	11 520	285 818	
"	10 525	290 679	7 279	280 154	
S.R.H. H-7A	Ecc. 4		2 474	288 205	
	Ecc. 1		2 483	288 196	
	Center		2 273	288 406	end sideline
P.B. 1A	1 770	335 445		333 675	
T.P.	0 481	326 251	9 675	325 770	

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line. 2

LINE #1 4-16-63

STATION	B.S.	H.I.	F.S.	ELEV.
		326 251		
T.P.	0 555	316 441	10 365	315 886
"	0 395	305 695	11 141	305 300
"	1 648	295 643	11 700	293 995
"	0 791	285 801	10 633	285 010
P.B. #10	0 776	280 417	6 160	279 641
T.P.	0 864	275 014	6 267	274 150
"	0 389	264 150	11 253	263 761
"	1 069	254 479	10 740	253 410
"	0 204	243 850	10 833	243 646
"	0 552	233 857	10 545	233 305
"	0 516	222 966	11 407	222 450
"	3 881	216 509	10 338	212 628
"	5 560	217 462	4 607	211 902
V.F. #1			6 905	210 557
T.P.	0 512	209 942	8 032	209 430
P-1			10 530	199 412
T.P.	0 563	199 030	11 475	198 467
"	0 335	187 652	11 713	187 317
"	0 428	176 223	11 857	175 795
T.B.M. #31			9 060	167 163

Profile No. X-Sec. No.
Notes Red Date Notes Chkd. Date
Plotted Date Checked Date
Job No. 0021.64 Division No. 11
Survey of P.B. LANDSLIDE
Survey by WILKS Notes WILKS Date 4-16-63
Map No. Indexed R. J. GALLI Date 4-16-63

F.B. 2955 PG. 199

76L-298 CE 307 11-58

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

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

Do not extend notes this side of this line.

LINE #6 4-9-63

STATION	B.S.	H.I.	F.S.	ELEV.
B.M. 50-9	9 405	1008 808		999 403
T.P.	0 015	996 808	12 015	996 793
"	0 075	985 081	11 802	985 006
"	0 130	973 194	12 017	973 064
"	0 338	961 759	11 773	961 421
"	1 223	951 852	11 130	950 629
T.B.M. #11			4 581	947 271
T.P.	0 689	940 378	12 163	939 689
Z-1			5 150	935 228
T.P.	0 223	928 683	11 918	928 460
"	0 355	917 518	11 520	917 163
"	0 442	906 494	11 466	906 052
"	0 341	894 667	12 168	894 326
"	0 120	882 990	11 797	882 870
"	0 238	871 479	11 749	871 241
"	2 804	862 262	12 021	859 458
B.M. 50-10			4 078	858 184
T.P.	1 265	853 367	10 160	852 102
"	0 308	841 773	11 702	841 465
"	0 358	831 761	10 370	831 403
"	1 183	821 184	11 760	820 001

F.B. 2955 PG. 260

Job No. 0021164 Division No. 11 Notes Red Plotted Profile

Survey of P.B. Side Date Date No.

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

Indexed E.J. Gall Date Date Date No.

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. 3

Profile Notes Red Plotted Job No. 2021 Division No. 11
No. X-Sec. Date Date Survey of B.M. LANDSLIDE
Notes Chkd. Checked Survey by WILKES Notes WILKES Date 4-9-63
No. Date Date Map No. Indexed C. J. GALL Date Date F. B. 2955 Pg. 20

LINE #6 4-9-63

STATION	B. S.	H. I.	F. S.	ELEV.
		821 184		
T.P.	0 380	809 959		809 579
"	0 402	798 891		798 489
Y-4	1			793 931
T.P.	0 690	788 858		788 168
B.M. #12	9 247	786 485		777 238
T.P.	0 862	775 695		774 833
"	0 712	765 053		764 341
"	0 412	755 274		754 862
"	0 390	743 974		743 584
"	0 558	733 977		733 419
"	0 158	722 749		722 586
"	0 618	712 667		712 049
"	0 555	701 902		701 347
"	0 152	690 459		690 307
"	1 823	681 672		679 849
B.M. #13	0 408	676 530		676 122
T.P.	0 520	665 880		665 360
"	1 445	656 572		655 127
M. 50-11				647 677

F. B. 2955 PG. 202

Job No. 002164 Division No. 11 Notes Red Plotted Profile

Survey of P.B. SLIDE Date Date No.

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

Indexed C.G. GARI Date Date Date No.

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

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.

Profile No. ____ X-Sec. No. ____ | Notes Red ____ Date ____ | Notes Chkd ____ Date ____ | Plotted ____ Date ____ | Checked ____ Date ____ | Job No. 0021.64 | Division No. 11 | Survey of P.B. Landslide | Survey by G.K. Lind | Notes F.M.M. | Date 6-10-63 | Map No. ____ | Indexed B. J. GALLI | Date JUN 24

F.B. 2955 PG. 20

J. N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN
OF
LEVEL LINE NO. 1

June 10, 1963

J. Maldonado
T. Ohashi
D. Glidden
G. Guizado

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

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

Do not extend notes this side of this line.

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

76-1295 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

F.B. 2945 PG. 264

Survey of PBL & Mid-Slide Profile
Survey by Lind Notes Tmad No. X-Sec.
Indexed C.L. Gun Date Date No.

Job No. 0021.44 Division No. 11 Notes Red Plotted
Date Notes Chkd. Checked
Date Date

STATION	B.S.	H.I.	F.S.	ELEV.		
P.B. #9	4341	408483		404142	~ PB #9 C.S. MON.	ELEV. = 404.14
TP	5719	411013	3189	405294		
P.I. 5B	3472	413542	0943	410070	~ PI #5B C.S. MON	
TP	3133	414503	2172	411370		
"	3593	409951	8139	406364		
AC #2			4413	405544	~ A.C. #2 C.S. MON.	
TBM #30			4679	405278	~ TBM #30 SPK LD IN CULV.	
TP	2613	40.4380	8190	401767		
"	6752	401484	3648	400732		
PI #4C	4319	410191	1612	405872	~ PI #4C C.S. MON.	
TP	10418	417971	2638	407553		
"			1130	416841	*	
"	10188	427929	0230	417741	BEGINING OF SIDE LINE	
F.T. #1			3498	424431	~ FRUIT TREE #1 C.S. MON.	
TP	8011	424852		416841	* END OF SIDE LINE	
"	6031	425955	4930	419922		
"	4830	426407	4382	421571		
S.P.H. J-#7	4391	425113	5688	420719	~ SPH J-#7 C.S. MON.	
			11699	413411		

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11
X-Sec. No. ____ Date ____ Date ____ Survey of RB. Lands/Side
Notes Chkd. ____ Checked ____ Survey by Lind Notes J.M.M. Date 6-10-63
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2995 Pg 20

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	0866	414271		413411	*
"	0295	403521	11045	403226	BEGINING OF SIDELINE
"	1088	395221	9388	394133	
"	0650	384421	11456	383771	
	1664	375090	10995	373426	
HC # 1			7226	367844	HC # 1 C.S MON
T P	1764	415175		413411	END OF SIDE LINE
"	1317	407194	9298	405877	
"	0233	395570	11857	395337	
	0872	386346	10097	385473	
T.P.			5636	380713	SPK.
"	3278	383991			
"	1460	378147	7304	376687	
PI # 3			5198	372949	P.I. # 3 C.S. Mon.
T.P.	1952	369497	10602	367545	
"	0887	359126	11258	358239	
"	1096	349312	10910	348216	
"	1732	341203	9759	339553	
P.I # 1A			7691	333594	* P.I. # 1A Bt. SPK W.S.T.
					Begining of Sideline

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

F.B. 2995 Pg. 264 — Job No. 0021.4 — Division No. 11 — Notes Red — Plotted — Profile
Survey of P.B. Lands Side — Date — No. — X-Sec.
Survey by Kendall — Notes T.M. Maldonado — Notes Chkd. — Checked
Indexed — Date — Date — Date — No.

STATION	B. S.	H. I.	F. S.	ELEV.		
P.I. #1A	2 491	336 085		333594	* P.I. #1A	
T.P	0229	324336	11978	324107	Beginning of Side line	
T.P	0925	314253	11008	313328		
T.P.	0558	303829	10982	303271		
T.P.	1172	293305	11696	292133		
T.P	11022	396709	7618	285687		
SPH H-7A			8491	288218	SPH H-7A	C.E. Mon
P.I.	0781	334375		333594	* End of Side Line	
T.P.	1102	323602	11875	322500		
	1120	314406	10316	313286		
T.P	1092	304006	11492	302914		
T.P.	1303	294542	10767	293239		
T.P	1096	284690	10948	283594		
P.B. #10	0668	280210	5148	279542	P.B. #10	C.S. Mon.
T.P.	0562	271143	9629	270581		
"	0669	261023	10789	260354		
"	0304	251109	10218	250805		
"	0822	241403	10528	240581		
"	1055	232178	10280	231123		
"	0481	221158	11501	220677		

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
W.F. #1	7.255	221.158 217.708	10.705	210.463	W.F. #1	SPK. in Step
T.P.	1.968	211.456	8.220	209.488		
"	4.820	210.385	5.891	205.565		
P-1			11.170	199.215	P-1	C.E. Mon
	0.362	199.861	10.886	199.499		
"	0.261	189.558	10.564	189.297		
"	0.939	180.319	10.178	179.380		
"	1.632	173.544	8.407	171.912		
BM. #31			6.505	167.039	T.B.M. #31 Elev. 167.050	L & T in cb.

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of P.B. Lands Ide
Notes Chkd. ____ Checked ____ Survey by Lind Notes J.M.M. Date 6-10-63
Date ____ Date ____ Map No. ____ Indexed E. J. GAUN Date ____

F.B. 2995 Pg. 20

F.B. 2795 PG. 208

Job No. 0021.64 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of R.B. Landslide Date _____ Date _____ No. _____

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

Indexed E. I. GAUL Date _____ Date _____ Date _____ No. _____

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

BLNK

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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

F.B. 2995 PG. 20

Profile No. ____ X-Sec. No. ____ | Notes Red ____ Date ____ Notes Chkd ____ Date ____ | Plotted ____ Date ____ Checked ____ Date ____ | Job No. 0021.64 Map No. ____ | Division No. ____ | Survey of P.B. Landslide | Survey by C.K. Lind Notes J.M.M. Date 6-12-63 | Indexed E. J. GALLY Date JUN 24 '63

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN

OF

LEVEL LINE NO. 2

STATION	B.S.	H.I.	F.S.	ELEV.	
					June 12, 1963
					Maldonado
					D. Glidden
					T. Ohashi

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile No. ____ Plotted ____ Date ____
X-Sec. No. ____ Checked ____ Date ____
Notes Red ____ Date ____
Notes Chkd. ____ Date ____
Division No. 11 Job No. 0021.64
Notes T.M. Maldonado
Survey of 1 P.B. #9 and side
Survey by [illegible]
Indexed [illegible]
S. B. 295 Pg 210

STATION	B. S.	H. I.	F. S.	ELEV.		
P.B. #9	9353	413995		404142	P.B. #9 Elev. 404.142	C.E. Mon.
AC #3			1836	411659	AC #3 C.E. Mon	
T.P	6848	411454	8889	404606		
T.P	6435	413639	4250	407204		
PB #9B	7392	417151	3880	409759	P.B. #9B Bt. SPK. w. ℄ T.	
PB #9A	7848	422019	2980	414171	P B #9A " " "	
	11936	431151	2808	419215	* Beginning of Sideline	
	11940	492526	0565	430586		
T.P	6608	495867	3267	439259		
B-1-C			3602	442265	B-1-C C.E. Mon	
	2422	421637		419215	End of Sideline.	
T.P.	1585	411762	11460	410177		
PT #1	---		4942	406820	P.T. #1 Bt. SPK	
B-1-B	6245	411077.5	7232	404530	B-1-B C.E. Mon.	
T.P.	0737	400910	10302	400473		
"	0745	390570	11085	389825		
"	0734	380271	11033	379537		
"	0863	369630	11504	368767		
"			13532	366098	* Begining of Sideline	
"	0833	359461	11002	358628		
"	0800	348141	11900	347561		

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile Notes Red. Plotted Job No. 0021.64 Division No. 11
No. X-Sec. Date Date Survey of P.B. Lamb's Slide
Notes Chkd. Checked Survey by C.M.M. Notes C.M.M. Date 6-11-64
No. Date Date Map No. Indexed E. J. Cain Date

F.B. 2995 PG. 21

STATION	B.S.	H.I.	F.S.	ELEV.		
BM 50-12		348.141	9.891	338.250	* BM 50-12	
T.P.	11.142	377.240		366.098	* Beg. of Sideline	
T.P.	11.730	388.190	0.780	376.460		
"	8.042	392.422	3.810	384.380		
Davis C.E. Mon			4.205	388.217	* Davis	C.E. Mon
	7.760	373.858		366.098	End of Sideline	
T.P.	1.562	364.412	11.008	362.850		
	2.720	365.202	1.930	362.482		
Radial #1			7.840	357.362	Radial #1 C.E. Mon	
	0.380	354.000	11.582	353.620		
T.P.	0.747	343.554	11.193	342.807		
"	0.893	332.656	11.791	331.813		
"	5.994	327.380	11.270	321.386		
A-3			7.560	319.820	A-3 C.E. Mon	
A-4			5.170	322.210	A-4 Elev. 322.190 C.E. Mon	

F.B. 2995 PG. 212

Job No. 0021.64 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of P.B. Landslide Date _____ Date _____ No. _____

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

Indexed [redacted] & GALE Date _____ Date _____ Date _____ No. _____

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

76-L208 CE 307 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 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

Profile	Notes Red	Plotted	Job No. 0021.64	Division No. 11	F.B. 2995 Pg. 213
No.	Date	Date	Survey of P.B. Landslide		
X-Sec.	Notes Chkd.	Checked	Survey by Lind	Notes J.M.M.	Date 6-12-63
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date JUN 24 '63

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN

OF

LEVEL LINE NO. 6

June 12, 1963

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.

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

Do not extend notes this side of this line.

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
BM 50-~~12~~ 9	10 305	1009 708		999.403	BM 50-9 Elev. 999.403	C.E. Mon.
T.P.	1082	999847	10 943	998765		
"	0847	989666	11 028	988 819		
"	0893	979207	11 352	978 314		
"	1140	968 923	11 424	967 783		
"	1058	958567	11414	957509		
TBM #11			11 300	947267	TBM #11	P.K. IN CULV.
T.P.	1978	949505	11040	947527		
"	1100	941262	9 343	940162		
Z-1	2590	937895	5957	935305	Z-1	C.S. MON.
T.P.	1693	928288	11 300	926595		
"	1919	919334	10 823	917415		
"	1202	908976	11560	907774		
"	1206	899019	11163	897813		
"	1486	889385	11 120	887899		
"	0692	879364	10713	878672		
"	0360	869186	10538	868826		
"	0880	862937	7129	862057		
BM 50-10			4782	858155	BM 50-10	C.S. MON
T.P.			10 355	852582		

F.B. 2995 PG. 214

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of P.B. Landslide Date Date No.

Survey by Lind Notes R. Glidden Notes Chkd. Checked X-Sec.

Indexed E. J. GAID Date Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
T.P.	1093	853.675		852.582		
"	0.311	842.507	11.479	842.196		
"	1.022	831.909	11.620	830.887		
"	0.900	821.890	10.919	820.990		
"	0.610	810.778	11.722	810.168		
"	0.991	799.869	11.900	798.878		
Y-4			6.050	793.819	Y-4 2" I.P.	
T.P.	1.349	789.660	11.558	788.311		
"	6.206	786.677	9.189	780.471		
T.B.M. #12	8.123	~~796.284~~ 785.284	9.516	~~787.161~~ 777.161	TBM. #12 P.K. IN H'dwall	
T.P.	0.220	773.906	11.598	773.686		
"	0.191	762.479	11.618	762.288		
"	0.570	751.201	11.848	750.631		
"	0.595	740.523	11.273	739.928		
"	0.770	729.643	11.650	728.873		
"	0.663	719.046	11.260	718.383		
"	0.707	708.311	11.442	707.604		
"	0.549	698.379	10.481	697.830		
"	0.985	687.901	11.463	686.916		
TBM #13	0.207	676.213	11.895	676.006	TBM #13 SPK. in Culv.	
T.P.			11.373	664.840		

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0021.64 Division No. 11 F.B. 2995 PG. 216
Xsec. No. ___ Date ___ Date ___ Survey of P.B. LAND SLIDE
Notes Chkd ___ Checked ___ Survey by LIND Notes 4/17/64 Date 6-12-63
Date ___ Date ___ Map No. ___ Indexed E. J. GALLI Date ___

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	1111	665951		664840		
T.B.	1528	656751	10728	655223		
BM 50-11			9203	647548	BM 50-11 Elev. 647.570	C.E. Mon.

F.B. 2995 PG. 216

Job No. 0021.64 Division No. 11 Notes Red Date Plotted Date Profile No.

Survey of P.B. Landslide Notes D. Glidden & J.M.M. Notes Chkd. Date Checked Date X-Sec. No.

Survey by Land Date

Indexed C. J. GALT

Profile No. ____ X-Sec. No. ____ | Notes Red ____ Date ____ | Plotted ____ Date ____ | Notes Chkd ____ Date ____ | Checked ____ Date ____ | Job No. 0021.64 Division No. 11 | Survey of P.B. Landslide | Survey by C.K. Lind Notes T.M.M. Date 6-13-63 | Map No. ____ Indexed C. J. GALLI Date JUN 24 '63 | F.B. 2995 Pg. 2/7

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN

OF

LEVEL LINE NO. 4

June 13, 1963

C. K. Lind
J. Maldonado
D. Glidden
T. Ohashi

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

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
T.B.M. 34-15-A	2811	233785		230974	T.B.M. 34-15-A Elev. 230.974	SPK/X&T Cb.
T.P	3502	231932	5355	228430		
"	3313	229510	5735	226197		
"	4350	227392	6468	223042		
"	2506	222271	7627	219765		
"	2307	217690	6888	215383		
"	3789	215379	6100	211590		
T.B.M 50-13A			5008	210371	T.B.M 50-13A Elev. 210.395	SPK&T. in Cb.
T.P.	3460	212134	6705	208674		
BM 50-13			4100	208034	BM 50-13 Elev 207.988	C.E. Mon
T.P.	3409	209316	6227	205907		
"	0997	203573	6740	202576		
TBM #15			6640	196933	TBM #15 SPK in Hd. wall	
T.P.	9764	205445	7892	195681		
J-5 "			7669	197776	* J-5 C.E. Mon	
T.P.	11281	215940	0786	204659	Begining of Sideline	
"	11599	226834	0705	215235		
"	11650	237974	0510	226324		
"	11434	248892	0516	237468		
"	11103	259472	0523	248369		
"			0682	258790		

F.B. 2995 PG. 218

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of P.B. LANDSLIDE Date Date No.

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

Indexed [illegible] Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
T.P.	11343	270133		258790		
"	11277	281158	0252	269881		
"	11397	291688	0867	280291		
"	11839	303272	0255	291433		
"	11509	313843	0938	302334	*	
Shields			3522	310321	Shields Elev. 310.34 End of Sideline	
J-5	11574	209350		197776	J-5 C.E. Mon.	
	11700	217695	3355	205995		
Rad. 2 Acc. 1			10671	207024	✓ Radial 2 Acc. 1 3/4" I.P.	
Rad. 1. Acc 2	4338	218973	3060	214635	" 2 Acc. 2	
T.P.	1994	214991	5976	212997		
J-4			1569	213422	✓ J-4 C.E. Mon.	
J.-3			5970	209021	✓ J-3 C.E. Mon	
T.P.	1969	207890	9070	205921		
J-1			9500	198390	✓ J-1 1" I.P.	
TP	11283	218565	0608	207282		
"	11278	229526	0317	218248		
"	7932	237220	0238	229288		
J-1-A			8796	228424	✓ J-1-A C.E. Mon	
P	0910	227589	10541	226679		
T.P.			11670	215919		

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0021.64 Division No. 11 F.B. 2995 Pg. 2 Pg
X-Sec. No. ___ Date ___ Date ___ Survey of P.B. Landslide
Notes Chkd. ___ Checked ___ Survey by Lind Notes J.M.M. Date 6-13-63
Date ___ Date ___ Map No. ___ Indexed C. J. GALLI Date ___

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0391	216310		215919		
T.P.	1508	206295	11523	204787		
T.P.	1022	195429	11888	194407		
			6892	188537	* Begining of Sideline	
T.P.	4028	197078	2379	193050		
T.P.	0878	189066	8890	188188		
T.P.	1168	178328	11906	177160		
T.P.	0592	167513	11407	166921		
T.P.	0622	156496	11639	155874		
"	1485	146666	11315	145181		
"	1250	138069	9847	136819		
TBM #25			11582	126487	✓TBM #25 SPK in Culv.	
	3050	191587		188537	End of Sideline	
T.P.	8062	196041	3608	187979		
"	3360	194999	4402	191639		
BM34-17B	5767	197439	3327	191672	✓BM 34-17B Bt. SPK W. & T	
T.P.	4507	196995	4951	192488		
"	5662	195987	6670	190325		
"	0657	189235	7409	188578		
"	0982	178377	11840	177395		
			9802	168575	✓BM 34-18 C.E. Mon	

F.B. 2995 PG. 220 Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. Landslide Date Date No.
Survey by Lind Notes J. Maldonado Notes Chkd. Checked X-Sec.
Indexed [illegible] Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile Notes Red ____ Plotted ____ Job No. W 21,64 Division No. 11
No. X-Sec. ____ Date ____ Date ____ Survey of F.B. 2795 & 3 Side
No. ____ Notes Chkd ____ Checked ____ Survey by Lind Notes T.M.M. Date 6-13-63
Date ____ Date ____ Map No. ____ Indexed C.J. Date

F.B. 2795 Pg. 22

STATION	B. S.	H. I.	F. S.	ELEV.		
C.E. Mon		178 577		168575	✓BM 34-18 C.E. Mon	
TP	3468	170383	11462	166915		
"			10884	159499	* Beginning of Sideline	
"	11410	180883	0910	169473		
"	8293	188749	1427	180456		
"	6490	193529	1710	187039		
P-3A			3200	190329	✓P-3A C.E. Mon	
	3166	162665	.	159499	* End of Sideline	
-3	6675	164680	4660	158005	✓P-3 L&T	
	8120	166930	3870	160810		
TP	6348	168709	4569	162361		
P-2			5358	163351	✓P-2 L&T in Cb.	
T.P.	6339	171167	3881	164828		
TBM #31			4118	167049	✓TBM #31 Elev. 167.050 L&T in Cb	

F.B. 2995 Pg. 222 0021.64

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

Survey of R.B. Landslide Date _____ Date _____ No. _____

Survey by: L&M Notes J. Maldonado Notes Chkd. _____ Checked _____ X-Sec.

Indexed [redacted] Date [redacted] Date _____ Date _____ No. _____

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

BLANK

76-L296 CE 307 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 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

F.B. 2995 PG. 223

Profile No. | Notes Red | Plotted | Job No. 0021.64 | Division No. 11
Date | Date | Survey of P.B. Landslide
X-Sec. No. | Notes Chkd. | Checked | Survey by Lind | Notes T.M.M. Date 6/14/63
Date | Date | Map No. | Indexed C. J. GATES Date JUNE 4 63

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN

OF

LEVEL LINE NO. 5

June 14 1963
T. Maldonado
D. Gridley
T. Ohashi

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

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

Do not extend notes this side of this line.

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

76-L298 CE 307 5-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

F.B. 2945 PG. 22K

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. LANDSLIDE Date Date No. X-Sec.
Survey by 4th Const. Notes T.M. Maldonado Notes Chkd. Checked
Indexed Date Date Date No.

STATION	B.S.	H.I.	F.S.	ELEV.		
P.B. #9 B	1259	411018	11059	409759	P.B. #9 Elev. 409.759	Bt. SPK. W. & T
TP	0395	400354	11059	399959		
"	0217	389309	11262	389092		
"	0662	378274	11697	377612		
"	0678	367358	11594	366680		
"	3848	360004	11202	356156		
S.B. # 3			7163	357841	✓ S.B. #3 Bt. SPK. W & T	
T.P.	11102	370833	0273	359731		
"	10447	380995	0285	370548		
"	11385	392029	0351	380644		
S.B. # 2			8808	383221	✓ S.B. #2 Bt. SPK W. & T.	
S.B. # 1			3669	388360	✓ * S.B. #1 " " " "	
T.P	7970	399111	0888	391141	Beginning of Sideline	
West Fix			5350	393761	✓ West Fix C.E. Mon.	
	7817	396177		388360	End of Sideline	
S.B. # 1-A			4877	391300	✓ S.B. # 1-A C.E. Mon.	
S.B. #1-A Acc # 1			4833	191344	S.B. # 1-A Acc. # 1 1" I.P.	
T.P.	0882	394867	2192	393985		
P.T. # 2			3362	391505	✓ P.T. # 2 Acc # 3 Bt. SPK. W & T	
	0523	384147	11243	383624	P.T. # 3 Sq. Hd. (Rose apple Rd)	
			2320	381827		

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		384147				
T.P.	0530	373096	11581	372566		
			7620	365476	✓* P.T.#4 Bt. SPK (Tangerine Rd)	
TP	0854	362235	11715	361381	Beginning of Sideline	
"	0680	351343	11572	350663		
"	0599	340540	11402	339941		
"	1788	331335	10993	329547		
H-2			7098	324237	✓H-2 C.E. Mon	
T.P.	1028	366504		365476	End of Sideline	
TP	0250	355026	11728	354776		
"	0742	344338	11430	343596		
P.T.#5			8188	336150	✓P.T.#5 Bt. SPK. W. & T. (Lime Tree Line)	
T.P.	0248	332975	11611	332727		
T.P.	0640	322085	11530	321445		
T.P.	2990	314428	10647	311438		
			5711	308717	*P.T.#6 Aux#3 (Kumquat Lane)	
T.P	0436	303444	11420	303008	Begining of Sideline	
"	0182	291820	11806	291638		
T.P.	8830	290768	9882	281938		
			11793	278975	✓1-2 Z# I.P.	
T.P.			1718	289050		

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 0021.64 Division No. 11 Survey of P.B. Lanza Ride Survey by Long Notes J.T. Date 6-14-63 Map No. Indexed E. J. GAIN

F.B. 2995 PG. 22

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
T.P	10510	299560		289050		
C.E.Mon			1500	298060	✓ Blakesley C.E.Mon	
	0340	309057		308717	* End of Sideline	
T.P	0832	298092	11797	297260		
"	0468	286930	11630	286462		
"	0996	277046	10880	276050		
"	2489	268164	11371	265675		
"			11338	256826	*	
	8810	276616	0358	267806	Begining of Sideline	
T.P.	11524	287698	0442	276174		
"	11400	298446	0652	287046		
	9942	308081	0307	298139	✓	
P-4			5690	302391	P-4 C.E.Mon	
	1075	257901		256826	End of Sideline	
T.P.	0790	247694	10997	246904		
T.P.	0519	236955	11258	236436		
T.P.	0250	225473	11732	225223		
"	0492	214010	11955	213518		
BM-BC	0180	202730	11460	202550	BM-BC L.A.Co.Rd. Mon	
BM 34-17B			11008	191722	BM 34-17B Bt. SPK W&T.	
T.P.			0700	202030		

F.B. 2995 Pg. 226

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of P.B. Landslide Date Date No. X-Sec.

Survey by Lind Notes J. Maldonado Notes Chkd. Checked No.

Indexed [illegible] Date Date Date

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11982	214012		202030		
K-1			1510	212502	K-1 C.E. Mon	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0121.64 Division No. 11 F.B. 2995 PG. 22
X-Sec. No. ____ Date ____ Date ____ Survey of P.B. Landslide
Notes Chkd. ____ Checked ____ Survey by Lind Notes T.M.M. Date 6-14-63
Date ____ Date ____ Map No. ____ Indexed R. J. CAMPBELL

F.B. 2995 PG. 228 Job No. 0021.04 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of PB Landslide Date _____ Date _____ No. _____

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

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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

76-L298 CE 307 3-61

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 0021.64 Division No. 11

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey of P.B. Landslide

Survey by Lind Notes 4-A Date 6-14-63

Map No. ____ Indexed ____ Date ____

F.B. 2995 Pg. 22

J.N. 0021.64.

PORTUGUESE BEND LANDSLIDE

RE-RUN

OF

LEVEL LINE NO. 3

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

June 14, 1963

C.K. Lind

J.M. Maldonado

D. Glidden

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

Do not extend notes this side of this line.

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

76-L.296 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

F.B. 2995 PG. 230

Job No. 002.1.65 Division No. 11 Notes Red Plotted Profile
Survey of P.B. Kends S/Ide Date Date No.
Survey by Kind Notes Melodeo Notes Chkd. Checked X-Sec.
Indexed B.I. GAUL Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.B.M 34-15-A	0460	231434		230974	T. B. M. 34-15-A	Elev. 230.974 Bt. SPK in CB.
T.P.	0296	220286	11444	219990		
"	3292	213241	10337	209949		
"	3032	209592	6681	206560		
"	0857	199457	10992	198600		
"	0793	188888	11362	188095		
"	0410	177758	11580	177348		
K-10 A			5035	172723	K-10 A	Bt. SPK. W. & T.
K-10 B			8172	164586	K-10 B	2" I.P.
K-10 C			9598	168160	K-10 C	L & T in CB.
K-10			10394	167364	K-10	1" I.P.
T.P.	2028	170322	9464	168294		
K-9A			6823	163499	K-9 A	Bt. SPK. W & T.
K-9B			8483	161839	K-9 B	2" I.P.
T.P.	2546	162929	10938	159384		
			5188	157741	K-8A	Bt SPK W & T
			7482	155447	K-8B	2" I.P.
T.P.	0615	151839	11705	151224		
T.P.	0518	140467	11890	139949		
	11195	140133	11529	128938	* Beginning of Sideline	
K-5			4152	135981	K-5	C.E. Min

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
	0248	129.186		128938		
TP	0415	118.053	11548	117638		
TP	2520	114.024	6549	111504		
			3517	110607	✓W-3 C.E. Mon.	
T.P.	0350	106.275	8099	105925		
K-5	0475	102.198	4552	101723	✓K-5 Aux C.E. Mon.	
T.P.	0290	91.736	10752	91446		
TP	0691	80529	11898	79838		
K-4			7269	73260	✓K-4 C.E. Mon.	
T.P.	0594	69.811	11312	69217		
T.P.	3202	61.626	11387	58424		
T.B.M. #28	4592	60.549	5674	55952	✓TBM #28 SPK. in Conc.	
T.P.	9353	68.049	1848	58696		
T.P.	0846	57.381	11514	56535		
T.P.	0440	46.212	11609	45772		
T.P.	1077	36.022	11267	34945		
T.P.	0187	30.151	6058	29964		
T.P.	1238	20.251	11138	19013		
T.P.	2329	15.192	7388	12863		
T.P.	4350	8.984	10558	4634		
T.P.			5088	3.896		

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F.B. 3495 PG. 237
No. ____ Date ____ Date ____ Survey of P.B. Landslide
X-Sec. Notes Chkd. ____ Checked ____ Survey by Lind Notes JMM Date 6-14-63
No. ____ Date ____ Date ____ Map No. ____ Indexed E. J. GAUTE Date ____

F.B. 2995 PG. 232

Job No. 0021.64 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of P.B. Landslide Date _____ Date _____ No. _____

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

Indexed [redacted] Date _____ Date _____ Date _____ No. _____

76-L296 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
T.P.	4572	8 468		3896		
T.P.	7183	12221	3430	5038		
T.B. #8			4219	8002	T.B. #8 Elev. = 7.994	SPK. in Rock Wall

Profile No.___ X-Sec. No.___ | Notes Red___ Date___ Notes Chkd.___ Date___ | Plotted___ Date___ Checked___ Date___ | Job No. 0021.64 Division No. 11 | F.B. 2955 PG. 23

Survey of PORT BEND LANDSLIDE

Survey by LIND Notes LIND Date 8-14-63

Map No.___ Indexed R. J. GALL Date NOV 21 '63

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

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

Do not extend notes this side of this line.

76-L298 CE 307 3-61

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

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN OF LEVEL LINE # 1

8-14-63

LIND

MALDONADO

OHASHI

SONNENSCHEIN

76-L.298 CE 307 3-61

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

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

Do not extend notes this side of this line.

F.B. 2995 Pg. 24 | Job No. 0721.14 | Division No. 11 | Profile | No. | Plotted | Date | Notes Red | Date | X-Sec. | No. | Checked | Date | Notes Chkd | Date | Indexed | Date

Survey of Rd. Rec. Lawndale | Survey by Land Notes Land

STATION	B. S.	H. I.	F. S.	ELEV.	LINE # 1	8-14-63
P.B.# 9	3 800	407 942		404 142	P.B. #9 ELEV=	404.142
T.P.	6 001	410 004	3939	404 003		
T.P.	6057	412 651	3412	406 592		
P.I. # 5.B.	4 402	414 513	2540	410 111		
T.P.	4220	415 530	3203	411 310		
T.P.	1622	409 823	7529	408 001		
TBM # 30	1383	406 684	4522	405 301		
T.P.	5518	405 396	6806	399 878		
T.P.	5848	408 065	3179	402 217		
P.I. # 4-C	3851	409 757	2157	405 906		
T.P.	8438	414 458	3787	406 020		
T.P.	8011	421 169	1300	413 158		
T.P. *	3307	421 154	3322	417 847	*	
T.P.	13 Ea	Side	Line	To	Fruit Tree # 1	
T.P.	1147	428 323	4302	416 682		
T.P.			3851	424 472		
		End Side	Line			
T.P. *	6460	424 307		417 847	*	
T.P.	5167	425 267	4227	420 080		
T.P.	5431	426 307	4391	420 876		
P.M. #7	4307	425 975	4639	421 668	S. P. Hills R.M. #1	

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Line # 1 Cont. 8-14-63
		425 975			
S.P. Hills G-7	5204	425 956	5223	420 752	S.P. Hills G-7
R.M. #2	2392	424 165	4183	421 773	" " " R.M. #2
T.P.	2137	414 530	11772	412 393	
T.P.	2032	407 114	9448	405 082	
T.P.	0427	396 133	11 408	395 706	
T.P.	0592	387 605	9120	387 013	
T.P.	2641	383 276	6970	380 635	
T.P.	3452	379 269	7459	375 817	
P.I. #3	1079	374 037	6311	372 958	
T.P.	0679	366 048	8668	365 369	
T.P.	0397	359 283	7162	358 886	
T.P.	1173	351 395	9061	350 222	
	1422	342 486	10331	341 064	
P.I. # 1-A	2491	336 096	8881	333 605 *	P.I. # 1-A
T.P.		Beg. Side Line		to H-7A	
T.P.	0229	324 347	11 978	324 118	
T.P.	0925	314 264	11 008	313 339	
T.P.	0558	303 840	10982	303 282	
	1172	293 316	11696	292 144	
	11 022	296 728	7618	285 698	

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0021.14 Division No. 11 F.B. 7955 PG. 233
X-Sec. No. ___ Date ___ Date ___ Survey of Port Bend Landslide
Notes Chkd. ___ Checked ___ Survey by Lind Notes Lind Date 8-14-63
Date ___ Date ___ Map No. ___ Indexed E. J. GALLI Date ___

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #1 CONT.	8-14-63
		296 720				
Sp. Hills H-7A			8491	288 229	H-7A	
		END SIDE		LINE		
Pl. # 1-A	0781	334 386		333 605 *		
T.P.	1102	323 613	11 875	322 511		
T.P.	1120	314 417	10 316	313 297		
T.P.	1092	304 017	11 492	302 925		
T.P.	1303	294 553	10 767	293 250		
T.P.	1096	284 701	10 948	283 605		
PB #10	0668	280 221	5148	279 553		
T.P.	0562	271 154	9629	270 592		
T.P.	0669	261 034	10 789	260 365		
T.P.	0304	251 120	10 218	250 816		
T.P.	0822	241 414	10 528	240 592		
T.P.	1055	232 189	10 291	231 134		
T.P.	0481	221 169	11 501	220 688		
W.F. #1	7255	217 719	10 705	210 464		
T.P.	1969	211 467	8220	209 499		
T.P.	4820	210 396	5891	205 576		
P-1			11 170	199 226		
T.P.	0362	199 872	10 886	199 510		

F.B. 2955 PG. 736
Job No. 0021.64 Division No. 10 Notes Red Plotted Profile
Survey of H.B. LANDSLIDE Date Date No.
Survey by LIND Notes LIND Notes Chkd. Checked X-Sec.
Indexed Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Line #1 Cont.	8-14-63
		199 872				
	0261	189 569	10 564	189 308		
	0939	180 330	10 178	179 391		
	1632	173 555	8 407	171 923		
TBM #31			6 505	167 050	TBM # 31 EL=	167.050

Profile No. ____ Notes Red ____ Plotted ____ Job No. 00U.64 Division No. 11 F.B. 2955 PG. 237
X-Sec. No. ____ Date ____ Date ____ Survey of P.B. LANDSLIDE
Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 8-14-63
Date ____ Date ____ Map No. ____ Indexed R. J. GALLI Date ____

F. B. 2955 Pg. 238

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.

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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

F.B. 2955 PG. 139

Profile No. | Notes Red | Plotted | Job No. 0021.64 | Division No. 11
Date | Date | Survey of Port. Bend Landslide
X-Sec. No. | Notes Chkd | Checked | Survey by C.K. Lind Notes J.M.M. Date 8-15-63
Date | Date | Map No. | Indexed E. J. GALLI Date AUG 21 '63

W.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN OF LEVEL LINE # 2

STATION	B.S.	H.I.	F.S.	ELEV.
			9-15-63	
		LIND		
		MALDONADO		
		OHASHI		
		SONNENSCHEIN		

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

Do not extend notes this side of this line.

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

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

Profile No. ___ Plotted ___ Date ___
X-Sec. No. ___ Checked ___ Date ___
Notes Red ___ Date ___
Notes Chkd. ___ Date ___
Division No. 11
Job No. 0021.6
Notes: T.M. Makkonnedo
Landslide
Survey of Bet. Bm
Surveyed by L. & C.J. GAU
Indexed
F. Bk. 1955 Pg. 240

STATION	B. S.	H. I.	F. S.	ELEV.	Line # 2	8-15-63
Line #1						
P.B. # 9V	3808	707950		404142	BM P.B. # 9 Elev. 404.142	C.E. Mon
T.P.	6048	410317	3681	404269		
T.P.	5748	413051	3014	407303		
P.B. # 9B	7148	416919	3280	409771	P.B. # 9B Bt. SPK. W & T.	
P.B. # 9A	7742	421926	2735	414184	P.B. # 9A " " " " "	
T.P.	10888	429802	3012	418914	* W. SPK & T	
"	10928	440032	0692	429110		
"	7595	447207	0420	439612		
B-1-C			4922	442285	BM B-1-C	C.E. Mon
I.P.	2390	421304		418914	*	
I.P.	1994	411738	11560	409744		
P.T. # 1			5158	406580	B.M. P.T. # 1 Bt SPK W & T	
B-1-B	6222	410412	7548	404190	B.M. B-1-B	C.E. Mon
T.P.	1445	404605	7255	403157		
"	0502	393167	11440	393165		
"	0581	383208	11040	382627		
"	0640	373028	10820	372388		
"	2830	364453	11405	361623		
"	0548	353697	11302	353151		
"	1660	343659	11700	341999		
BM 50-12			5608	338051	BM 50-12	C.E. Mon.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #2 CONT.	8-15-63
		343.659				
T.P.	10660	352.797	1522	342.137		
"	10686	363.033	0450	352347		
			4382	358651	* Rock	
T.P.	9592	371.297	1328	361705		
"	11136	381.811	0622	370675		
"	9922	391.421	0312	381499		
Davis			3552	387869	Sta Davis	C.E. Mon
T.P.	8390	367.041		358651	*	
	4400	363.051	8390	358651		
Rad #1			5850	357201	Rad. #1	C.E. Mon
T.P.	0830	352701	11180	351871		
"	0665	342218	11148	341553		
"	0655	332167	10706	331512		
"	3062	326349	8880	323287		
A-3			6690	319659	B.M. A-3	C.E. Mon
A-4			4140	322209	" A-4	" "
					Sta A-4	ELEV = 322.190

Profile Notes Red ____ Plotted ____ Job No. 2164 Division No. 11 F.B. 2955 PG. 247
No. ____ Date ____ Date ____ Survey of Port Bend Landslide
X-Sec. Notes Chkd. ____ Checked ____ Survey by Lind Notes J.M.M. Date 8-15-[illegible]
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 1955 Pg. 142 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.

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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

Profile	Notes Red	Plotted	Job No. 0021.64	Division No. 11	F.B. 2955	PG. 243
No.	Date	Date	Survey of R.B. LANDSLIDE			
X-Sec.	Notes Chkd.	Checked	Survey by LIND	Notes LIND	Date 8-15-63	
No.	Date	Date	Map No.	Indexed E. J. GALLI	Date AUG 21 '63	

JH 0021.64

PORTUGUESE BEND LANDSLIDE

RE RUN OF LEVELS

OVER

LINE # 3

8-15-63

LIND

MALDONADO

MARTINEZ

OHASHI

SOMMENSCHEIN

ELEV.

F.S.

H.I.

B.S.

STATION

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

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

Do not extend notes this side of this line.

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

LINE #3 CONT. 8-15-63

STATION	B.S.	H.I.	F.S.	ELEV.
TBM 34-15 A	1400	232 374		230 974
T.P.	1099	222 709	10 764	221 610
T.P.	2118	213 979	10848	211 861
T.P.	3561	211 301	6239	207 740
T.P.	0823	204 405	7719	203 582
T.P.	0910	195 258	10057	194 348
T.P.	0791	185 527	10522	184 736
T.P.	0892	176 620	9799	175 728
K-10A			3908	172 712
K-10B			7038	169 582
K-10-C	2015	170 183	8 452	168 168
K-10			2910	167 265
K-9 A			6702	163 481
K-9 B			8341	161 842
K-9	3270	162 563	10890	159 293
K-8 A			4718	157 845
K-8 B			7110	155 453
T.P.	0430	152 793	10200	152 363
T.P.	0300	141 358	11735	141 058
T.P.			9380	131 978

F.B. 2955 PG. 244
Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of Port Bond Lantsdale Date Date No.
Survey by Lind Notes Lind Notes Chkd. Checked X-Sec.
Indexed [illegible] Date Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #3 (CONT.) 8-15-63
T.P.	9820	141 798		131 978	
K-5	5803	141 798	5803	135 995	
T.P.	0320	132 298	9820	131 978	
T.P.	0608	122 335	10571	121 727	
T.P.	2127	113 552	10910	111 425	
W-3			3043	110 509	
K-5 Aux	0310	102 055	11807	101 745	
T.P.	0373	91 038	11390	90 665	
T.P.	0998	81 047	10989	80 049	
K-4	1279	74 247	8079	72 968 +	
T.P.	0752	63 722	11277	62 970	
T.P.	0779	53 002	11499	52 223	
T.P.	0832	43 726	10108	42 894	
T.P.	1199	33 782	11143	32 583	
T.P.	1509	31 324	3967	29 815	
T.P.	1121	22 035	10410	20 914	
T.P.	1980	14 685	9330	12 705	
T.P.	3359	6 625	11419	3 266	
K-6A			6330	0 295	
T.P.	5050	7 296	4379	2 246	
	5061	8 358	3999	3 297	

Profile. Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F.B. 2955 PG. 245
No. ____ Date ____ Date ____ Survey of P.B. LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 8-15-63
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GAULT Date ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE #3 CONT	8-15-63
		8358				
TP	10919	14 240	5 037	3321		
P.B. #8			6271	7969	P.B. #8 EL=	7.994
STA K-4	1191	74 159		72968		
T.P.	0188	62 509	11838	62321		
T.P.	7395	62 752	7152	55357		
TBM #28			6928	55 824		
K-3A ECC1			7878	54 874		
T.P.	7391	59 973	10 170	52582		
K-3A			5953	54 020		
T.P.	0690	49 094	11569	48 404		
T.P.	1217	41 140	9171	39 923		
T.P.	1490	42 309	0321	40 819		
K-2A	2060	40 076	4293	38 016		
T.P.	0592	29 257	11 411	28666		
T.P.	1249	19867	10639	18 618		
T.P.	0761	9786	10842	9025		
T.P.	6072	12 475	3383	6 403		
P.B. #1			4895	7580	P.B. #1	EL= 7.600

F.B. 2955 PG. 246
Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.D. LANDSLIDE Date Date No.
Survey by LIND Notes LIND Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

Profile	Notes Red	Plotted	Job No. 0021.64	Division No. 11	F.B. 2955	PG. 247
No.	Date	Date	Survey of Port. Bend Landslide			
X-Sec.	Notes Chkd.	Checked	Survey by Lind	Notes Lind	Date 8-16-63	
No.	Date	Date	Map No.	Indexed E. J. GALLI	Date AUG 21 '63	

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

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

Do not extend notes this side of this line.

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

Jn. 0021.64

Portuguese Bend Landslide

Re-Run of Level Line # 4

8-16-63

Lind
Maldonado
Martinez
Ohashi
Sonnenschein

76-L298 CE 307 3-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #4	
TBM 34-15A	2681	233 655		230 974		
T.P.	3447	231 480	5622	228 033		
T.P.	3238	229 215	5503	225 977		
T.P.	4222	227 039	6798	222 817		
T.P.	2559	222 762	6836	220 203		
T.P.	2442	217 143	8061	214 701		
T.P.	3378	214 775	5746	211 397		
Line 2 TBM 50-13A			4414	210 361		
T.P.	3290	211 446	6619	208 156		
Line 2 BM 50-13	3529	211 557	3418	208 028		
T.P. Line 2	1528	203 195	9898	201 667		
TBM #15			6277	196 918		
T.P.	11 561	208 166	6590	196 605		
4-5	10300	207 998	10468	197 698*	BEG. SIDE LINE	TO STA. SHIELDS
T.P.	11 450	218 946	0502	207 496		
T.P.	11 933	230 625	0254	218 692		
T.P.	11 579	241 945	0259	230 366		
T.P.	11 527	252 855	0617	241 328		
T.P.	11 943	264 402	0401	252 454		
T.P.	11 442	274 931	0913	263 489		
T.P.	11 231	284 972	1190	273 741		

F.B. 1956 PG. 244
Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. LANDSLIDE Date Date No. X-Sec.
Survey by LIND Notes LIND Notes Chkd. Checked
Indexed [illegible] GALLI Date Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Line # 4 (Cont.) 8-16-63
		284.972			
T.P.	10461	295.084	0349	284623	
T.P.	11819	306.679	0224	294860	
T.P.	7881	314.373	0187	306492	
T.P.	5900	314.743	5530	308843	
T.P. Line 2	5102	314.885	4960	309783	
SHIELDS ✓			4595	310290	
		END	SIDE	LINE	
-5 Line 2 ✓	10242	207940		197698	J-5 C.E. Mon.
T.P.	6100	213398	0642	207298	
Rad 2			6560	206838	Rad. 2. Acc. #1
T.P	5958	218.734	0622	212772	
Rad. 2 Acc #2			4172	214562	" " Acc #2
J-4	0852	214116	5470	213264	J-4 C.E. Mon
J-3			5365	208751	J-3 " "
T.P.	1632	206043	9705	204411	
J-1			7952	198091	J-1 1" I.P.
T.P.	11495	310093	7445	198598	
T.P.	11478	221.181	0390	209703	
T.P.	11109	231867	0423	220758	
T.P.	6864	238393	0338	231529	

Profile No. ___ Notes Red ___ Plotted ___ Job No. 0021.64 Division No. 11 F.B. 7955 Pg. 249
X-Sec. No. ___ Date ___ Date ___ Survey of Port Bend Landscape
Notes Chkd ___ Checked ___ Survey by Lind Notes Lind Date 8-16-63
Date ___ Date ___ Map No. ___ Indexed E. J. Gant Date ___

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Line #4 (Cont)	8-16-63
		238 393				
J-4-A ✓	4 230	232 465	10158	228 235	J-4-A	C.E. Mon
T.P	0 812	221 822	11 455	221 010		
T.P.	1470	212 019	11 273	210 549		
T.P	1 870	202 679	11 210	200 809		
T.P	2 065	194 429	10 315	192 364	* Saver	
	0583	183 652	11 360	183 069		
	0302	172 065	11 889	171 763		
	0672	161 184	11 553	160 512		
	1153	150 414	11 923	149 261		
	0388	138 582	11 950	138 464		
		130 918	10 066	128 516		
TBM # 25				126 480	END SIDE LINE	
Saver ✓	0702	193 066		192 364	*	
TP	6350	192 641	6 775	186 291		
TP	5855	196 171	2 325	190 316		
BM 34-17B	5280	196 924	4 535	191 636	BM 34-17B	Bt. SPK. W. & T.
T.P.	3398	195 567	4 755	192 169		
T.P.	4035	195 552	4 050	191 517		
T.P.	0748	189 065	7 235	188 317		
T.P.	0238	178 355	10 948	178 117		

F.B. 2955 PG. 250
Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of Port Bend Landslide Date Date No. X-Sec.
Survey by Lind Notes J.M. Maldonado Notes Chkd. Checked
Indexed E. J. GALLI Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Line #4 (Cont.) 8-16-63
		178.855			
BM 34-18			9766	168589	34-18 C.E. Mon
T.P.	0.190	167.363	11182	167173	
	11.305	171.838	6830	160533	*
T.P.	10.900	182.183	0555	171283	
T.P.	7232	188.342	1073	181110	
T.P.	11182	193.294	6230	182112	
			2930	190364	P-3A C.E. Mon
	2.610	163.143		160 533	*
TP	6.010	163.423	5730	157413	
P-3			5400	158023	P-3 L&T in Ck.
TP	5.910	165.663	3670	159753	
T.P.	5.445	167.458	3700	161963	
P-2	7205	170.558	4105	163353	P-2 L&T in Ck.
TBM #31			3500	167058	TBM #31 LET. in Ck Elev. 167.050

Profile Notes Red ____ Plotted ____ Job No. 00216 Division No. 11 F.B. 2955 PG. 251
No. ____ Date ____ Date ____ Survey of Port Bend Landslide
X-Sec. Notes Chkd. ____ Checked ____ Survey by Lind Notes J.M.M. Date 8-16-63
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GAIN Date ____

F.B. 1955 PG. 15V

Job No. 0021.64 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of Port Bend. Landslide Date _____ Date _____ No. _____

Survey by [illegible] Notes J. M. Maldonado Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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

Profile	Notes Red	Plotted	Job No. 0021.64	Division No. 11	F.B. 2955	PG. 253
No.	Date	Date	Survey of P.B. LANDSLIDE			
X-Sec.	Notes Chkd.	Checked	Survey by LIND	Notes LIND	Date 8-19-63	
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date AUG 21 63	

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

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

Do not extend notes this side of this line.

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

J.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN OF LEVEL LINE # 5

8-19-63

LIND
MARTINEZ

OHASHI
SONNENSCHEIN

76-L298 CE 307 3-61

F. B. 2955 Pg. 134

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

Survey of _____ Date _____ Date _____ No. _____

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

Indexed _____ Dated _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #5 CONT.	8-19-63
		392.128			SEE BACK OF THIS	PAGE FOR BEGINNING
P.Tree #3	0491	382229	10.390	381.738		
T.P.	1.610	372431	11.408	370.821		
P Tree #4	1128	366499	7060	365.371	*	
	begin Side Line					
T.P.	1168	356387	11280	355.219		
T.P.	0602	345261	11728	344.659		
T.P.	0742	334785	11.218	334.043		
4 #2	1068	325.179	10.674	324.111		
T.P.	4370	318059	11490	313.689		
4 #4			9690	308.369		
	End Side Line					
P Tree #4	0330	365701		365.371	*	
T.P.	0752	355725	10.728	354.973		
T.P.	0473	344816	11.382	344.343		
P. Tree #5	0802	336845	8.773	336043		
T.P.	1060	326.155	11.750	325.095		
T.P.	1220	315813	11.562	314.593		
T#6 Aux 3			7222	308.591	*	
	Being of Side Line					

CONT. ON PG 257

Profile Notes Red ____ Plotted ____ Job No. 0021 64 Division No. 11 F.B. 2955 PG. 259
No. ____ Date ____ Date ____ Survey of PORT BEND LANDSLIDE
X-Sec. Notes Chkd ____ Checked ____ Survey by LIND Notes LIND Date 8-19-63
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date *

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Line #5	8-19-63
P.B #9B	4818	414589		409.771	PB #9B Elev. = 409.771	
T.P	1.095	404.071	11.613	402.976		
T.P.	0.642	393.398	11315	392.756		
TP	0.978	383597	107.79	382.619		
T.P.	0.708	372973	11.332	372.265		
T.P.	0.658	363.043	10.588	362.385		
T.P	10238	361.531	11750	351.293		
SB #3			8.666	352.865		
T.P.	11.162	372.131	0562	360.969		
T.P.	11.252	382.895	0488	371.643		
TP	10.738	392.453	1.180	381.715		
S.B #2			9208	383.245		
SB #1			4110	388.343		
SB #1A	3.122	394.387	1188	391.265	*	
	Begain side to West Fix					
T.P.	7602	399.727	2262	392.125		
W. FIX			5900	393.827		
	End side Line					
SB #1A	5045	396310		391.265		
P. Tree Aux 3	0650	392.128	4832	391.478	Cont. on Page	255

F.B. 2955 PG. 256
Job No. 0021.64 Division No. 11 Notes Red Plotted Profile
Survey of P.B. Landslide Date Date No.
Survey by C.K. Lind Notes Chkd. Checked X-Sec.
Indexed [illegible] Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	Line #5 Cont.	8-19-63
PT #6 Aux 3	5860	314451		308.591		
T.P.	0893	303716	11.628	302823		
TP	0811	292.891	11636	292.080		
TP	5480	288126	10.245	282.646		
I-2			9.184	278.942		
T.P.	7328	291.086	4368	283758		
T.P.	11430	300.474	2042	289.044		
lakes			2370	298.104		
	End Line					
PT. #6 Aux 3	3684	312.275		308.591		
T.P.	0592	301293	11574	300.701		
T.P.	0828	291.977	10144	291.149		
T.P.	0291	280.493	11775	280.202		
T.P.	0660	270.579	10574	269.919		
			11.012	259.567	* 11102	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F.B. 2455 Pg. 257
X-Sec. No. ____ Date ____ Date ____ Survey of R.B. Landslide
Notes Chkd. ____ Checked ____ Survey by Lind Notes Hartwell Date 8-19-63
Date ____ Date ____ Map No. ____ Indexed R. J. GAULT Date ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE #5 CONT.	8-19-63
T.P.	0822	260.299		259.477	*	
T.P.	1282	250.237	11.344	248.955		
T.P.	1268	239.881	11.624	238.613		
T.P.	0502	229.255	11.128	228.753		
T.P.	0741	219.102	10.894	218.361		
T.P.	1038	209.372	10.768	208.334		
BM-C	1.488	204.010	6.850	202.522		
T.P.	1385	195.199	10.196	193.814		
BM 34-17B	10.935	202.626	3.508	191.691		
TP	10532	211.510	1.648	200.978		
	7612	217.420	1.702	209.808		
STA K-1	.12		4.920	212.500		

F.B. 2955 PG. 28

Job No. 0021.64 Division No. 11 Notes Red Plotted Profile

Survey of P.B. LANDSLIDE Date Date No.

Survey by [illegible] Notes Chkd. Checked X-Sec.

Indexed [illegible] Date Date No.

Profile	Notes Red	Plotted	Job No. 0021.64	Division No. 11	F.B. 2955	PG. 259
No.	Date	Date	Survey of P.B. LANDSLIDE			
X-Sec.	Notes Chkd.	Checked	Survey by LIND	Notes LIND	Date 8-19-63	
No.	Date	Date	Map No.	Indexed C. J. GALLI	Date AUG 21 '63	

W.N. 0021.64

PORTUGUESE BEND LANDSLIDE

RE-RUN OF LEVEL LINE #6

[redacted]

8-19-63

LIND

MARTINEZ

[redacted] OKASHI

GOODENSHAW

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

Do not extend notes this side of this line.

LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

INCLUDE ANY ALTERATIONS OR CHANGES
CIRCLED IN RED INK, WITH DATE AND
NAME OF PERSON MAKING CHANGE.

76-L296 GE 307 8-61

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	Line #6	8-19-63
BM 50-9	9975	1009378		999.403	BM 50-9 Elev = 999.403	
T.P.	0868	1008576	11670	997.708		
T.P.	1110	989203	10483	988093		
TP	0930	978863	11270	977933		
TP	0748	968921	10.690	968173		
TP	0858	958396	11383	957538		
TBM #11	3266	950554	11108	947288		
TP	1105	940897	10762	939792		
Z #1			5578	935.319		
T.P.	0932	931514	10315	930582		
T.P.	0302	920858	10958	920556		
TP	1045	910628	11275	909583		
TP	0760	900438	10950	899678		
TP	0815	890617	10636	889802		
TP	0820	881195	10242	880375		
TP	0882	871827	10250	870945		
TP	2836	863671	10992	860835		
BM 50-10			5485	858186		
TP	0770	853716	10725	852946		
TP			10768	842948		

F. B. 2955 Pg. 260
Job No. 002164 Division No. 11 Notes Red Plotted Profile
Survey of Port Bend Landslide Date Date No.
Survey by Lind Notes Mortimer Notes Chkd. Checked X-Sec.
Indexed C. J. [illegible] Date Date No.

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	LINE # 6 (CONT.)	8-19-63
TP	0268	843216		842948		
TP	1065	833169	11.112	832104		
TP	0890	822451	11608	821.561		
TP	1090	812419	11122	811.329		
T.P	0274	801.968	10725	801.694		
Y-4			8120	793.848		
T.P.	1430	791.735	11663	790.305		
TP	3290	786.475	8550	783.185		
TBM #12			9270	777.205		
T.P.	1720	776.665	11530	774.945		
T.P.	0493	766.371	10787	765.878		
T.P.	0440	755.123	11688	754.683		
TP	0408	743.571	11960	743.163		
T.P.	0875	733144	11302	732.269		
T.P.	0773	722513	11404	721.740		
T.P.	0661	711.551	11623	710890		
T.P.	0548	7001.518	10581	700.970		
T.P.	0630	691.158	10990	690.528		
T.P.	0448	680.196	11410	679748		
TBM #13			4130	676.066		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 11 F.B. 2955 PG. 261
Date ____ Date ____ Survey of P.B. LANDSLIDE
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by LIND Notes [illegible] Date 8-19-63
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE # 6	8-19-63
T.P.	0385	676451		676066		
TP	0300	664885	[illegible]	66[illegible]85		
TP	0930	655863	9952	654933		
Bay 50-11			8258	647605	Bay 50-11	[illegible]

F. B. [illegible] PG. [illegible] Job No. 0021.69 Division No. 11 Notes Red Plotted Profile
Survey of P.B. Land Sales Date Date No. X-Sec.
Survey by Land Notes [illegible] Notes Chkd. Checked No.
Indexed E. J. GAIN Date Date Date