Notes Ck'd by	Survey of Precise Levels	F. B. 2281 Pg. 3
Map No.	W. O. 8341-03 Tape No. St'd. °F	
Office Work	Surveyed by ENGLISH	
Checked	Notes Date	
	Indexed E. C. Johnson 6-3-37	

LEVELS
ON
PORTUGUESE BEND LANDSLIDE.

SEE F.B. 2268 FOR
PRECEEDING NOTES.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
			CONT.	FROM F.B. 2268 PG. 250		
T.P.	11169	433997		422 828		
RD. DEPT. B.M			2190	431807		
T.P.	11002	439 751	5248	428749		
E-1	10048	445 395	4404	435347		
D-1	4673	442 066	8062	437333		
C-1	0908	435686	7228	434 778		
T.P.	0197	427069	8814	426872		
"	1990	423753	5306	421763		
B-1			3404	420349		
B-1A	11190	426853	8090	415663		
B-1B			5109	421744		
T.P.	11862	434593	4122	422731		
"	11662	443694	2561	432032		
B-1C	11555	453 901	1348	442346		
T.P.	11742	463073	2570	451331		
"	9694	471994	0773	462300		
B-1D			1508	470486	B-1D FIELD ELEV. 470.475	
		LEVEL LINE #1		5-27-57		
B-1D	0840	471 315		470 475	Field elev.	
T.P.	0568	460281	11602	459713		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 5
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes T.C.P. Date 5-27-57
No. ____ Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0516	460 281 449357	11440	448841		
"	0538	438567	11328	438029		
"	1205	428694	11078	427489		
"	1924	417030	11588	417106		
"	4780	412343	11467	407563		
"	3825	409966	6202	406141		
"	4409	408255	6120	403846		
P.B.# 9	4198	408355	4098	404157		
T.P.	5898	410408	3845	404510		
"	6170	413110	3468	406940		
P.I.# 5			4597	408513		
T.P.	6010	415640	3489	407630		
"	1782	412697	4725	410915		
TBM# 30	1388	406732	7353	405344		
T.P.	6666	406160	7238	399494		
"	6050	408400	3810	402350		
P.I.# 4	6025	410134	4291	404109		
T.P.	6225	412348	4011	406123		
"	8768	416734	4382	407966		
"	11030	426801	0963	415771		
R.M.# 1			5155	421646		

F. B. 2281 Pg. 6 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. CO. PRECISE LEVEL NET Date Date No.
Survey by ENGLISH Notes T.C.P. Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

B. 2281 Pg. 8 Job No. 0301.02 Division No. 10 Notes Red. Plotted
Profile No.
Survey of L.A. Co. PRECISE LEVEL NET Date Date
X-Sec. No.
Survey by ENGLISH Notes T.C.R. Notes Chkd. Checked
Indexed K. C. Johnson Date Date Date No.

STATION	S. S.	H. I.	F. S.	ELEV.		
		200 287				
T.P.	7200	203477	4010	196277		
	5110	203659	4928	198549		
"	4179	200155	7683	195976		
	6488	200803	5840	194315		
	4343	199154	5992	194811	194.087	
34-17A	4860	198971	5043	~~194111~~	B.M. 34-17A ADJ. ELEV.	194.150
T.P.	5681	200122	4530	194441		
"	4731	200338	4515	195607		
"	2681	196419	6600	193738		
"	0392	187609	9202	187217		
"	1129	177225	11513	176096	168.645	
34-18	2769	171444	8550	~~168675~~	BM 34-18 ADJ. ELEV.	168.655
T.P.	2012	162566	10890	160554		
"	6489	163327	5728	156838		
"	6708	165331	4704	158623		
"	6368	166897	4802	160529		
"	6009	168084	4822	162075		
"	6888	170912	4160	163924	167.014	
T.B.M. #31	5970	173022	3760	~~167052~~	T.B.M. #31 ADJ. ELEV.	167.013
T.P	5907	173957	4972	168050		
"	10402	182649	1710	172247		

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	S. B.	H. I.	F. B.	ELEV.		
		426 801				
S.P. Hills G-7			6075	420726		
R.M. #2			5040	421761	CONT. PG.	
Level		Line #		6		5-28-57
34-15	4478	233703		229 225	BM. 34-15 ELEV 229.225 F.B. 1355 PG 19	
T.P.	4172	232517	5358	228345		
"	3518	230804	5231	227286		
"	3302	228386	5720	225084		
"	3016	225882	5520	222866		
"	2476	222137	6221	219661		
"	2582	218187	6532	215605		
"	3668	215452	6403	211784		
"	3421	212755	6118	209334	207.885	
50-13	2269	210164	4860	~~207895~~	BM. 50-13 ADJ. ELEV. 207.897	
T.P.	2331	207074	5421	204743		
"	4040	204484	6630	200444		
"	1972	197543	8913	195571		
"	4050	194603	6990	190553		
"	5238	193181	6660	187943		
"	8122	195521	5782	187399		
"	7500	200287	2734	192787		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 1
X-Sec. No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET
Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes T.C.P. Date 5-28-5
Date ____ Date ____ Map No. ____ Indexed ____ Date ____
A C Johnson

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		182 649				
T.P.	8478	189857	1270	181 379		
"	8858	196966	1749	188 108		
"	9559	206027	0498	196468		
"	10018	215228	0817	205210		
"	10608	223986	1850	213378		
"	11012	233896	1102	222884		
"	10497	243470	0923	232973		
"	7988	251111	0347	243123		
"	2582	248412	5281	245830		
"	2142	241596	8958	239454	235.187	
"	5511	242842	4265	237331		
34-21			7602	~~235240~~	BM. 34-21 ELEV. 235.187 F.B. 1355 PG. 25	
LEVEL LINE # 4					5-28-57	
50-13	3208	211 105		207 897	BM. 50-13 ADJ. ELEV. 207.897	
T.P.	2893	207638	6360	204745		
T.B.M. #15	6930	207488	7080	200558		
T.P.	7670	212221	2937	204551		
J-5	4428	207847	8802	203419		
T.P.	7334	211 119	4062	203785		
RADIAL 2	11282	216729	5672	205447		
T.P.	10033	225261	1501	215228		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2281 PG. 9
Date ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes T.C.B. Date 5-28-57
Date ____ Date ____ Map No. ____ Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

F. B. 2281 Pg. 10 Job No. 0301.02 Division No. 10 Notes Red. Plotted
Profile No. X-Sec. No.
Survey of L.A. Co. PRECISE LEVEL NET Date Date
Survey by ENGLISH Notes T.C.P. Notes Chkd. Checked
Indexed K. C. Johnson Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
		225 261				
J-4			1701	223560	T E +4.504 -5.148 -0.644	T W +3.378 -4.026 0.648
J-3	7010	229924	-0646	222914		
T.P.	3178	222332	10770	219154		
J-1	0762	213472	9622	212710		
T.P.	5760	208148	11084	202388		
B.M.-D			10120	198028		
T.P.	6994	203280	11862	196286		
"	5142	203693	4729	198551		
"	11742	208887	6548	197145		
		BEGIN DOGLEG				
"	10952	218286	1553	207334		
P.I. #17	11387	226871	2802	215484		
T.P.	10095	236326	0640	226231		
"	6971	242034	1263	235063		
J-1A			3062	238972		
	END	DOGLEG				
T.P.	2902	200047		197145		
"	6568	200383	5732	194315		
"	4399	199207	6075	194808		
34-17A			5100	194107	BM. 34-17A ADJ. ELEV. 194.150	

Form 381 10M 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

H1=4.5

Do not extend notes this side of this line

Transit at	Sight on	Stadia intercepts	Stadia Distance	Stadia Rod—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ − Vertical Angle	Elevation of Point	+ Back Sight	+ − Difference Elevation	Height of Instrument	+ Vertical Distance	REMARKS Station Left Right
STA. E-1	N. FIX	—	—	—	0.00		—						
	T. E. FIX	5.65 1.00	465	3 3	27.54	455	+ 08.17	501 5					Transit Sta.
					139.24								
	STA. E-1	5.66 1.00	466	3 3	0.00	455	08.34	435 4			50 8	7 3	
	T-1	2.63 1.00	163	1 8	178.38	163	+ 0.54	506 9		+ 09		+ 2 7	Toe of slide N.ly. cor.
	T-2	5.60 2.00	360	3 8	195.58	312	+ 21.12	607 4		+ 101 4		+ 155 2	Transit sta. Top edge slide
T-2	T. E. FIX	4.63 1.00	363	2 8	0.00	314	21.38	500 5		111 4		107 6	
	N. FIX				299.34								
					104.19								
	T-3	7.36 2.00	136	2 7	252.25	133	+ 09.00	629 2		+ 178		+ 200 5	Top Edge Slide
	T-4	5.69 3.00	269	4 3	233.47	256	+ 12.51	663 1		+ 51 2		+ 555	" " "
	T-5	2.85 1.00	385	5 9	229.54	358	+ 15.39	699 0		+ 87 1		+ 630	" " "
	T-6	8.85 1.00	185	6 4	227.15	147	+ 16.38	728 1		+ 116 2		+ 722 6	" " "
	T-7	8.75 3.00	5.75	5 9	230.00	517	+ 18.26	761 1		+ 149 2		+ 155 1	" " "
													NOTE: All edge slide pts. are 3' from act. edge.

NEW PORTUGUESE BEND LOCATION
GREENSHAW, ON BEND AREA

Notes Red. ____ Plotted ____ Job No. Q30100 Division No. ____ Date ____ Date ____ Survey of Portuguese Bend Slide Area
Notes Chkd. ____ Checked ____ Survey by W.L.D. BAX Notes W.L.D. BAX Date 6-3-57
Date ____ Date ____ Map No. ____ Tracing Tolleson Date 6-4-57

Form 391 IBM 3-34

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line

Transit at	Sight on	Stadia Intercepts	Stadia Distance	Stadia Red—	Horizontal Angle 0° to 360° Right	Horiz. Distance	+ — Vertical Angle	Elevation of Point	+ Back Sight	+ — Difference Elevation	Height of Instrument	+ — Vertical Distance	REMARKS Station Left Right
STA. E-1	N.				0.00						439.9		
	FIX												
	E.				139.24								
	FIX												
	T-12	6.66 / 2.00	4.66	4.3	96.18	466	+ 03.02	460.2		+ 20.3		+ 24.6	Toe of slide Sly. Cor.
T-12	STA. E-1	6.66 / 2.00	4.66	4.3	0.00	466	− 03.11	434.5		− 30.2	464.7	− 25.9	
	T-11	1.20 / 3.00	120	3.6	136.13	96	+ 26.20	499.3		+ 34.6		+ 38.2	Top edge slide
	T-10	1.25 / 1.00	325	2.6	134.51	263	+ 25.53	564.4		+ 99.7		+ 103.3	" " & ⊼ " sta.
T-10	T-12	5.30 / 2.00	3.30	3.6	0.00	266	− 26.18	459.7		− 109.2	568.9	− 105.6	
	T-9	8.00 / 6.00	200	7.0	175.02	158	+ 27.24	626.5		+ 57.6		+ 64.6	Top edge slide & ⊼ sta.
T-9	T-10	6.90 / 5.00	190	5.9	0.00	153	− 26.00	502.2		− 66.2	631.0	− 60.3	
	N.				98.44								
	FIX												
	E.				306.40								
	FIX												
	T-8	1.80 / 1.00	80	4.4	182.36	67	+ 23.15	651.3		+ 20.3		+ 24.7	Top edge slide
	T-7	8.55 / 1.00	455	6.3	157.58	415	+ 17.35	744.4		+ 113.4		+ 119.2	" " " & Highest & most Ely pt.

Add'n'l Inform.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
TBM #28	1404	62533		61129		
T.P.	2231	53701	11063	51470		
"	2857	45686	10372	42829		
K-3	4565	40217	10034	35652		
T.B.M. #27			5322	34895		
K-2	0690	32103	8804	31413		
T.P.	1925	23739	10289	21814		
	4429	23135	5033	18706		
TBM 26-B			6217	16918		
TBM 26-C			5215	17920		
T.B.M. 26	5753	22665	6223	16912		
TBM 26-D			5512	17153		
" "-E			4733	17932		
" "-A			5073	17592		
T.P.	4199	20217	6647	16018		
"	3062	19516	3763	16454		
P.B. # 1	4768	12361	11923	7593		
T.P.	9278	14046	7593	4768		
"	6237	17225	3058	10988		
PB # 2-A			5694	11531		
T.P.	2796	9946	10075	7150		

Profile Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 13
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET
X-Sec. Notes Chkd ____ Checked ____ Survey by ENGLISH Notes Lind Date 5-29-57
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		9946				
P.B. #3-A			8690	1256		
P.B. #3	4083	8971	5058	4888		
P.B. #4	7272	10754	5489	3482		
P.B. #5			2211	8543		
P.B. #5-A			9978	0776		
T.P.	7403	16038	2119	8635		
5+00			520	1084	Remains Story Cove Profile	
4+50			503	1101	(Wrong) JFM	
T.P.	10954	21060	5932	10106		
0+50	6218	25605	1673	19387		
0+00			291	2270		
T.P.	2422	17932	10095	15510		
P.B. #6	2797	11175	9554	8378		
P.B. #6-A			10791	0384		
T.P.	11432	14909	7698	3477		
P.B. #7	4549	16328	3130	11779		
T.P.	4085	17379	3034	13294		
"	5283	16449	6213	11166		
"	3813	17233	3029	13420		
P.B. #8			9265	7968	End Run	

F. S. 2281 Pg. 14

Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET Date Date No.

Survey by ENGLISH Notes Lind Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
	LEVEL LINE # 5			5-31-57
B-1D	0640	471 115		470475
T.P.	0883	463 166	8832	462283
"	2538	453 843	11861	451305
B-1C	1121	443440	11524	442319
T.P.	2438	434 444	11434	432006
"	3784	426 386	11842	422602
P.T. #1	0601	419 897	7090	419296
T.P.	0863	409 632	11128	408769
P.T. #2	0951	399 161	11422	398210
		BEGIN DOGLEG		
S.B. #1	1780	391923	9018	390143
S.B. #2	0576	383855	8644	383279
T.P.	1014	373125	11744	372111
"	1358	363450	11033	362092
S.B. #3			10578	352872
		END. DOGLEG		
P.T. #2	1013	399223		398210
T.P.	2257	393136	8344	390879
P.T. #3	0766	387565	6337	386799
T.P.	1914	379954	9525	378040

Profile No.____ Notes Red____ Plotted____ Job No. 0301.02 Division No. 10 F.B. 2281 Pg. 15
Date____ Date____ Survey of L.A. CO PRECISE LEVEL NET
X-Sec. No.____ Notes Chkd____ Checked____ Survey by ENGLISH Notes T.C.P. Date 5-31-57
Date____ Date____ Map No.____ Date____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
		379 954		
P.T. #4	0598	371518	9034	370920
		BEGIN DOGLEG		
T.P.	2642	362912	11248	360270
H-1	1496	353683	10725	352187
T.P.	1025	343231	11477	342206
H-2	0469	332111	11589	331642
T.P.	2448	323481	11078	321033
H-4			9603	313878
	↑ END DOGLEG — BEGIN DOGLEG ↓			
P.T. #4	5903	376823		370920
T.P.	9745	383716	2852	373971
"	11798	391287	4227	379489
"	7361	396981	1667	389620
W. FIX			3192	393789
	END DOGLEG			
P.T. #4	0541	371461		370920
T.P.	0263	360403	11321	360140
"	1332	351175	10560	349843
P.T. #5	0357	342589	8943	342232
T.P.	0891	333487	9993	332596
"	2261	324363	11385	322102

F.B. 2281 Pg. 46 Job No. 030102 Division No. 10 Notes Red. ____ Plotted ____ Profile ____
Survey of L.A. CO. PRECISE LEVEL NET Date ____ No. ____ X-Sec. ____
Survey by ENGLISH Notes T.C.P. Notes Chkd. ____ Checked ____ Date ____ No. ____
Indexed K. C. Johnson Date ____ Date ____

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
		324 363		
P.T. #6	5507	320525	9345	315018
		BEGIN	DOGLEG	
I-1			1561	318964
T.P.	0838	310275	11088	309437
"	1664	300308	11631	298644
I-2	5183	295015	10476	289832
I-3			8549	286466
		END	DOGLEG	
P.T. #6	0174	315192		315018
L-1			3912	311280
T.P.	1030	305328	10894	304298
"	0561	294416	11473	293855
"	0609	284147	10878	283538
P.T. #7	10971	284283	10841	273306
		BEGIN	DOGLEG	
T.P.	10971	294384	0870	283413
"	10598	304600	0382	294002
"	10075	313708	0967	303633
BLAKSLEE			9078	304630
		END	DOGLEG	
P.T. #7	2010	275316		273306

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030102 Division No. 10 F.B. 2281 Pg. 17
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET
Notes Chkd ____ Checked ____ Survey by ENGLISH Notes TCP Date 5-31-57
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		275316				
T.P.	3090	268 568	9838	265478		
"	0713	259321	9960	258608		
"	0774	248 855	11240	248081		
"	0811	238312	11354	237501		
"	0712	227057	11967	226345		
"	1271	218 104	10224	216833		
"	2106	210 468	9742	208362		
BM "C"	0582	205277	5773	204695		
T.P.	2919	197453	10743	194534		
BM34-17-A			3321	194132	Adjusted Elev= 194.150	
Level line # 2						6-3-57
B.M. 50-13	3 540	211 437		207 897	Adjusted elev.	
T.P.	11 087	215 832	6 692	204745		
"	10638	225 481	0 989	214 843		
"	11762	234 036	3 207	222274		
"	8 508	242 202	0 342	233 694		
"	11 775	252 755	1 222	240 980		
"	10208	260 897	2 066	250 689		
"	10001	268 651	2 247	258 650		
"			4 157	264494		

F.B. 2281 Pg. 18 Job No. 03 01 02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. CO. PRECISE LEVEL NET Date Date No. X-Sec.
Survey by ENGLISH Notes Lind Notes Chkd Checked
Indexed K. C. Johnson Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11 700	276 194		264 494		
"	11 228	286 235	1 187	275 007		
"	11 610	296 907	0 938	285 297		
"	10 791	306 590	1 108	295 799		
"	8 348	314 232	0 706	305 884		
Shields	8 211	318 554	3 889	310 343		
T.P.	8 308	322 537	4 325	314 229		
G-1	11 328	327 070	6 795	315 742		
A-4	11 192	333 422	4 840	322 230		
F-3	10 960	335 900	8 482	324 940		
A-3	8 572	336 044	8 428	327 472		
T.P.	10 983	345 405	1 622	334 422		
"	11 593	355 429	1 569	343 836		
"	11 640	366 529	0 540	354 889		
R-1	3 662	367 531	2 660	363 869		
T.P.	1 120	357 891	10 760	356 771		
"	3 812	351 083	10 620	347 271		
B.M. 50-12	7 795	355 190	3 688	347 395		
B-2			9 378	345 812		
T.P.	8 503	362 156	1 537	353 653		
"			1 483	360 673		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2281 Pg. 19

X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET

Notes Chkd ____ Checked ____ Survey by ENGLISH Notes Ed. Date 6-3-57

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

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
T.P.	10 892	371 565		360 673
"	10878	381 591	0 852	370 713
"	10381	390 468	1 504	380 087
D-2	6360	395 966	0862	389 606
T.P.	8 142	403 750	0 358	395 608
T.B.M. #21	11 177	414 665	0 262	403 488
T.P.	11 096	424 078	1 683	412 982
M.H. rim			5 584	418 494
T.P.	11303	434 102	1 279	422 799
Rd. B.M.			2 322	431 780
T.P.	9 523	438 294	5 381	428 721
E-1	10318	445 632	2 980	435 314
D-1	4 702	442 011	8 323	437 309
C-1	1 027	435 696	7 342	434 669
T.P.	0 276	427 074	8 898	426 798
"	1 861	423 508	5 427	421 647
B-1			3 290	420 218
B-1A	11 158	426 715	7 951	415 557
B-1B			5 094	421 621
T.P.	11977	434 484	4 208	422 507
"			2 482	432 002

F.B. 7281 Pg. 20 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile No.
Survey of L.A. Co. PRECISE LEVEL NET Date Date X-Sec. No.
Survey by ENGLISH Notes Ed. Notes Chkd. Checked
Indexed J. C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11 748	443 750		432 002		
B-1C	11 578	453 895	1 433	442 317		
T.P.	11 978	463 281	2 592	451 303		
"	9 544	471 825	1 000	462 281		
B-1 D			1 358	470 467	OK	
Level	Line		#	1		6-3-57
B-1 D	0 917	471 392		470 475	Field elev.	
T.P.	0 443	460 159	11 676	459 716		
"	0 343	449 189	11 313	448 846		
"	0 278	438 310	11 157	438 032		
"	0 993	428 484	10 819	427 491		
"	2 087	419 196	11 375	417 109		
"	4 347	411 911	11 632	407 564		
"	3 689	409 917	5 683	406 228		
"	4 038	407 888	6 067	403 850		
P.B. #9	3 925	408 087	3 926	404 162		
T.P.	5 634	410 153	3 568	404 519		
"	5 872	412 813	3 212	406 941		
P.1. #5			4 301	408 512		
T.P.	5 815	415 438	3 190	409 623		
"			4 524	410 914		

Profile No. ____ Date ____ X-Sec. No. ____ Date ____

Notes Red ____ Date ____ Notes Chkd ____ Date ____

Plotted ____ Date ____ Checked ____ Date ____

Job No. 0301.02 Division No. 10 Survey of L.A. Co. PRECISE LEVEL NET Survey by ENGLISH Notes Ed. Date 6-3-57 Map No. ____ Date ____

F.B. 2281 Pg. 21

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	1 447	412 361		410 914		
T.B.M. #30	0 883	406 216	7 028	405 333		
T.P.	6 625	406 106	6 735	399 481		
"	5 873	408 220	3 259	402 347		
P.I. # 4	5 978	409 585	4 113	404 107		
T.P.			3 463	406 122	Con't. pg. 24	
Level	Line		#	6		6-4-57
B.M. 34-15	4 618	233 843		229 225	B.M. 34-15, el = 229.225, F.B. 1355-19	
T.P.	3 978	232 325	5 496	228 347		
"	3 378	230 671	5 032	227 293		
"	3 018	228 111	5 578	225 093		
"	2 637	225 514	5 234	222 877		
"	2 199	221 872	5 841	219 673		
"	2 553	218 167	6 258	215 614		
"	3 513	215 305	6 375	211 792		
"	3 532	212 877	5 960	209 345		
B.M. 50-13	2 748	210 657	4 968	~~207 909~~	207.901	
T.P.	2 450	207 206	5 901	204 756		
"	4 220	204 679	6 747	200 459		
"	1 932	197 495	9 116	195 563		
"			6 989	190 506		

F.B. 228 / PG. 22 Job No. 030.02 Division No. 10 Notes Red ____ Plotted ____ No. ____ Profile
Survey of L.A. Co. PRECISE LEVEL NET Notes Chkd. ____ Date ____ Checked ____ Date ____ X-Sec.
Survey by ENGLISH Notes Ed. Date ____ Indexed C. Johnson Date ____ No.

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	4 488	194 994		190 506		
"	5 184	193 103	7 075	187 919		
"	7 489	194 850	5 742	187 361		
"	7 328	200 117	2 061	192 789		
"	6 812	203 069	3 860	196 257		
"	5 088	203 625	4 532	198 537		
"	4 008	199 932	7 701	195 924		
"	6 522	200 770	5 684	194 248		
"	4 568	199 388	5 950	194 820		
B.M. 34-17A	4 850	198 969	5 269	~~194 119~~	194.098	
T.P.	5 658	200 107	4 520	194 449		
"	4 821	200 435	4 493	195 619		
"	2 717	196 445	6 707	193 728		
"	0 363	187 596	9 212	187 233		
"	1 073	177 186	11 483	176 113		
B.M. 34-18	1 042	169 736	8 492	~~168 694~~	168.667	
T.P.	2 092	162 665	9 163	160 573		
"	6 422	163 285	5 802	156 863		
"	6 593	165 236	4 642	158 643		
"	6 302	166 858	4 680	160 556		
"			4 760	162 098		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2281 Pg. 23
Date ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET
X-Sec. No. ____ Notes Chkd ____ Checked ____ Survey by ENGLISH Notes Ed. Date 6-4-57
Date ____ Date ____ Map No. ____ Notes C. Johnson Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	5973	168 071		162098		
"	6791	170 734	4 128	163 943		
T.B.M. #31	5912	172 985	3 661	~~167 073~~	167.039	
T.P.	5752	173 815	4 922	168 063		
"	10233	182 486	1 562	172 253		
"	8 348	189 727	1 107	181 379		
"	8 904	197 012	1 619	188 108		
"	9 644	206 114	0 542	196 470		
"	9 912	215 121	0 905	205 209		
"	10 640	224 017	1 744	213 377		
"	11 022	233 906	1 133	222 884		
"	10 495	243 468	0 933	232 973		
"	8 080	251 206	0 342	243 126		
"	2 177	248 002	5 381	245 825		
"	2 216	241 669	8 549	239 453		
"	5 662	242 989	4 342	237 327		
B.M. 34-21			7 255	~~235 234~~	B.M. 34-21, el = 235.187, F.B. 1355-25	
		"				
T.P.	5 883	412 005		406 122	Con't. from pg. 22	
"	8 449	416 372	4 082	407 923		
"			0 604	415 768		

F.B. 2281 Pg. 24

Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET Date Date No.

Survey by ENGLISH Notes Ed. Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	10 637	426 405		415 768		
R.M. #1			4 762	421 643		
S.P.H. G-7			5 682	420 723		
R.M. #2	0 519	422 286	4 638	421 767		
T.P.	1 871	413 270	10 887	411 399		
"	0 337	402 034	11 573	401 697		
"	0 386	391 767	10 653	391 381		
"	2 458	383 632	10 593	381 174		
"	3 182	379 946	6 868	376 764		
P.I. #3	0 736	373 682	7 000	372 946		
T.P.	0 737	362 719	11 700	361 982		
"	1 087	351 927	11 879	350 840		
P.I. #2	3 048	343 718	11 257	340 670		
P.I. #1	1 406	336 971	8 153	335 565		
		(Begin	Dogleg)			
T.P.	0 428	325 580	11 819	325 152		
"	0 577	314 696	11 461	314 119		
"	1 019	304 412	11 303	303 393		
"	0 697	294 096	11 013	293 399		
"	7 532	291 574	10 054	284 042		
H-7A (ECC.)			3 389	288 185		

Profile No. ____ Notes Red ____ Plotted ____ Job No. D301.02 Division No. 10 F.B. 2281 PG. 25

X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET

Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes Ed Date 6-4-57

Date ____ Date ____ Map No. ____ Date 6-6-57

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
H-7A		291 574	3164	288 410		
		(End	Dogleg)			
P.I. # 1	0 294	335 859		335565	pg. 25	
T.P.	0 212	324 656	11 415	324 444		
"	0 206	313 508	11354	313 302		
"	0 577	302662	11 423	302 085		
"B.C."	0 662	291 731	11 593	291 069		
T.P.	2 521	282 638	11 614	280 117		
P. B. # 10	0705	280 269	3 074	279 564		
T.P.	0648	269 990	10927	269 342		
"	0383	259523	10850	259 140		
"	0323	248542	11304	248219		
"	0407	237709	11240	237302		
"	0597	227058	11248	226461		
[illegible] # 2	0622	215763	11917	215141		
W.F. # 1			5263	210500		
T.P.	4757	209 437	11 083	204680		
"	0690	199977	10150	199287		
"	0641	188977	11641	188336		
[illegible]	1 338	178 662	11653	177 324		
B.M. "F"			10783	167 879		
TBM # 37			11 604	167 058		

F.B. 2281 PG. 26 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. CO. PRECISE LEVEL NET Date Date No.
Survey by ENGLISH Notes Ed. Notes Chkd. Checked X-Sec.
Indexed [illegible] C. Johnson Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

(Start Here)

STATION	B. S.	H. I.	F. S.	ELEV.		
Level Line #3						6-5-57
B.M. 50-13	1634	209531		207897		
T.P.	0560	200354	9737	199794		
"	1517	192058	9813	190541		
"	0277	181032	11303	180755		
"	0327	170116	11243	169789		
"	0362	158945	11533	158583		
"	0213	147762	11396	147549		
K-5	5276	141318	11720	136042		
T.P.	0473	133235	8556	132762		
"	0426	122973	10688	122547		
"	0931	112118	11786	111187		
"	1242	102122	11238	100880		
"	3738	94152	11708	90414		
K-4	0477	86768	7861	86291		
T.P.	0579	78344	9003	77765		
"	1813	69194	10963	67381		
T.B.M. #28	2662	63781	8075	61119		
T.P.	9580	72418	0943	62838		
"	9900	82040	0278	72140		
"	11590	92301	1329	80711		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2281 Pg. 27
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET
Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes Ed. Date 6-5-57
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date 6-10-57

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		92301·				
T.P.	8668	100249·	0720	91581·		
"	11803	111741·	0311	99938·		
"	6819	117828·	0732	111009·		
"	8448	123702·	2574	115254·		
T.B.M.#25	9053	132362·	0393	123309·		
T.P.	11709	143017·	1054	131308·		
"	11083	152992·	1108	141909·		
"	11416	163120	1288	151704·		
"	11533	173540·	1113	162007·		
"	11537	184160	0917	172623·		
"	11356	194612·	0904	183256·		
"	10430	203839·	1203	193409·		
"		BEG. DOG LEG				
"	10735	214242·	0332	203507·		
K-1			0550	213692·		
		END DOG LEG				
T.P.	10367	203776·		193409		
B.M.34·17-A			9656	194120·		

F.B. 2281 Pg. 28 Job No. 030102 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. CO. PRECISE LEVEL NET Date Date No.
Survey by ENGLISH Notes Lind Notes Chkd. Checked X-Sec.
Indexed L. C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.B.M. #28	1096	62 215		61 119	pg. 27	
T.P.	1263	52 701	10777	51438		
"	1336	44 076	9961	42740		
K-3	3868	39 461	8483	35593		
TBM #27			4546	34915		
K-2	1570	32 948	8083	31378		
T.P.	1887	23 674	11161	21787		
"	4 562	23 301	4935	18739		
T.B.M. #26-B			6 364	16 937		
" 26-C			5 362	17 939		
" 26	5721	22 634	6 388	16 913		
" 26-D			5 450	17 184		
" 26-E			4 662	17 972		
" 26-A			5 007	17 627		
T.P.	4 388	20 447	6 575	16 059		
"	1 629	19 234	2 842	17 605		
P.B. # 1	4 690	12 308	11 616	7 618		
T.P.	9 358	14 318	7 348	4 960		
"	6 167	17 225	3 260	11 058		
P.B. #2-A			5 651	11 574		
T.P.			11 200	6 025		

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Date ____ Job No. 0301.02 Division No. 10 F.B. 2281 PG. 29
X-Sec. Notes Chkd ____ Checked ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET
No. ____ Date ____ Date ____ Survey by ENGLISH Notes Lind Date 6-6-57
Map No. ____ Indexed C. Johnson Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2281 Pg. 30

Job No. 030102 Division No. 10 Notes Red. ____ Plotted ____ Profile No. ____

Survey of L.A. Co. PRECISE LEVEL NET Notes ____ Date ____ X-Sec. No. ____

Survey by ENGLISH Ed. Notes Chkd. ____ Checked ____

Indexed C. Johnson Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	3 435	9 460		6 025		
P.B. #3	4 222	9 142	4 540	4 920		
P.B. #3-A			7 855	1 287		
P.B. # 4	6 836	10 346	5 632	3 510		
P.B. #5			1 765	8 581		
P.B. #5-A			9 553	0 793		
T.P.	7 889	16 523	1 712	8 639		
5+00			5 69	10 83	Stonycove	Profile
4+50			6 92	10 10		
T.P.	11651	21 763	6 909	10 114		
0+50	6 248	25 649	2 364	19 401		
0+00			2 94	22 71	Stonycove	Profile
T.P.	2 693	18 290	10052	15 597		
P.B. #6	3 674	12 144	9 820	8 470		
P.B. #6-A			11 737	0 407		
T.P.	10782	14 281	8 645	3 499		
P.B. #7	4748	16 548	2 481	11 800		
	(Begin		Dog	leg)		
T.P.	4 147	17 457	3 238	13 310		
"	5 052	16 229	6 280	11 177		
"			2 800	13429		

Con't Pg. 33

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. B.	H. I.	F. B.	ELEV.		
	LEVEL LINE #3				5-29-57	
50-13	1658	209555		207 897	BM. 50-13 ADJ. ELEV. 207.897	
T.P.	0617	200414	9758	199797		
"	1520	192061	9873	190541		
"	0238	180995	11304	180757		
"	0303	170094	11204	169791		
"	0373	158957	11508	158566		
"	0382	147934	11407	147552		
K-5	5454	141497	11891	136043		
T.P.	0453	133218	8732	132765		
"	0377	122926	10669	122549		
	1459	112648	11737	111159		
	1305	102186	11767	100881		
	3629	94094	11721	90465		
K-4	0388	86722	7760	86334		
T.P.	0570	78371	8921	77801		
"	1079	68512	10938	67433		
T.B.M. #28	2683	63812	7383	61129		
T.P.	9578	72423	0967	62845		
"	9776	81909	0290	72133		
"	11537	92326	1120	80789		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 31
No. ____ Date ____ Date ____ Survey of LA. CO. PRECISE LEVEL NET
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes LIND Date 5-29-57
No. ____ Date ____ Date ____ Map No. ____ Entered Johnson Date 6-6-57

F.B. 2261 Pg. 32 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of L.A. Co. PRECISE LEVEL NET | Date | No. | X-Sec.

Survey by ENGLISH | Notes | Date | Notes Chkd. | Date | Checked | Date | No.

Indexed | Date | C. Johnson | Date

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
		92 326.		
T.P.	8660	100289.	0697	91629.
"	11740	111779.	0250	100039.
"	7315	118278.	0816	110963.
"	8422	123645.	3055	115223.
T.B.M. #25	8983	132268.	0360	123285.
T.P.	11701	142777.	0972	131296.
"	11077	152996.	1078	141919.
"	11220	162949.	1267	151729.
"	11530	173545.	0934	162015.
"	11512	184142.	0915	172630.
"	11600	194862.	0883	183262.
"	10602	204019.	1445	193417.
"	Beg. day Leg.			
"	10943	214455.	0507	203512.
K-1			0756	213699.
End day Leg				
T.P.	10352	203769.		193417
B.M. 34-17-A			9640	194129.

307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	3 908	17·337		13.429		
P.B. #8			9 349	7 988	✓	
		(End Dog leg)				
P.B. # 7	8 170	19 970		11 800	pg. 30	
T.P.	11 655	30 333	1 292	18 678		
"	2 418	31 620	1 131	29 202		
"	10 112	39 800	1 932	29 688		
"	11 878	50 946	0 732	39 068		
"	11 249	61 576	0 619	50 327		
T.B.M. #28			0 447	61 129	pg. 27	
Level	Line	#	4			6-6-57
B.M. 50-13	3215	211 112		207 897		
T.P.	3 485	208 235	6362	204 750		
T.B.M. # 15	6976	207497	7714	200521		
T.P.	7741	212266	2972	204525		
J-5	4209	207592	8883	203383		
T.P.	8245	211985	3852	203740		
R-2	11253	216664	6574	205411		
T.P.	10744	225932	1476	215188		
J-4	Mean Aver.		2453	223479		
J-3			+0.666	222813	Port. Canyon	

	T East	T West
	+ 5.380	+4.107
	- 6.052	- 4.767
	- 0.672	- 0.660

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0301.01 Division No. 10 F.B. 2281 Pg. 33

X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET

Notes Chkd ____ Checked ____ Survey by ENGLISH Notes Ed Date 6-5-57

Date ____ Date ____ Map No. ____ Indexed Date 6-17-57

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
J-3	7618	230431		222813		
T.P.	2019	221066	11384	219047		
J-1	0463	213074	8455	212611		
T.P.	4558	206872	10760	202314		
B.M. "D"			8846	198026		
T.P.	7093	203321	10644	196228		
"	5394	203905	4810	198511		
"	11812	208874	6843	197062 *		
		Beg dog leg				
"	11359	218639	1594	207280		
P.I. #17	11440	226879	3200	215439		
T.P.	10051	236220	0710	226169		
"	5203	240194	1229	234991		
J-1 A			1308	238886		
		END DOG LEG.				
T.P.	3528	200590		197062 *		
"	6700	200916	6374	194216		
"	4407	199226	6097	194819		
BM 34-17-A			5112	194114		

F.B. 2281 PG. 32

Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. CO. PRECISE LEVEL NET Date Date No. X-Sec.

Survey by ENGLISH Notes Lind Notes Chkd. Checked

Indexed C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Level Line #5						6-7-57
B-1D	1 177	471 652		470 475	Field elev.	
T.P.	0 868	463 152	9 368	462 284		
T.P.	2 659	453 963	11 848	451 304		
B-1C	1 262	443 573	11 652	442 311		
T.P.	2 089	434 084	11 578	431 995		
"	3 457	425 859	11 682	422 402		
P.T.#1	0 752	419 972	6 639	419 220		
T.P.	0 974	409 687	11 259	408 713		
P.T.#2	1 132	399 299	11 520	398 167	*	
		(Begin Dogleg)				
S.B.#1	1 942	392 053	9 188	390 111		
S.B.#2	0 874	384 091	8 836	383 217		
T.P.	1 048	373 209	11 930	372 161		
"	1 613	363 647	11 175	362 034		
S.B.#3		354 135	10834	352 813		
		(End Dogleg)				
P.T.#2	1 322	399 489		398 167	*	
T.P.	2 588	393 428	8 649	390 840		
P.T.#3	0 323	387 079	6 672	386 756		
T.P.			9 080	377 999		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030102 Division No. 10 F.B. 2281 Pg. 33
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
Notes Chkd ____ Checked ____ Survey by English Notes Ed. Date 6-7-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2281 Pg. 94 | Job No. 0301.02 | Division No. 10 | Notes Red | Plotted | Profile No.
Survey of L.A. Co. PRECISE LEVEL NET | Date | Date | X-Sec. No.
Survey by ENGLISH | Notes Ed. | Notes Chkd | Checked | Date | Date
Indexed C. Johnson | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	1 600	379 599		377 999	
P.T. #4	0 810	371 686	8 723	370 876	*
		(Begin Doglegs)			
T.P.	3 000	36 3 222	11 464	360 222	
H-1	1 980	353 614	11 088	352 134	
T.P.	1 160	343 314	11 960	342 154	
H-2	0 810	332 391	11 733	331 581	
T.P.	2 641	323 622	11 410	320 981	
H-4			9 799	313 823	
P.T. #4	6 069	376 945		370 876	*
T.P.	10 160	384 083	3 022	373 923	
"	11 798	391 296	4 635	379 448	
"	7 511	397 117	1 690	389 606	
W. Fix			3 350	393 767	
		(End Doglegs)			
P.T. #4	0 890	371 766		370 876	*
T.P.	0 408	360 498	11 676	360 090	
T.P.	1 350	351 130	10 718	349 780	
P.T. #5	0 614	342 799	8 945	342 185	
T.P.			10 234	332 565	

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	1 253	333 818		332 565		
"	1 157	323 207	11 768	322 050		
P.T. #6	5 691	320 648	8 250	314 957	*	
		(Begin Dogleg)				
I - 1			1 715	318 933		
T.P.	0 955	310 353	11 250	309 398		
"	1 350	299 945	11 758	298 595		
I-2	5450	295 213	10182	289 763		
I-3			8 810	286 403		
		(End Dogleg)				
P.T. #6	0 352	315 309		314 957	*	
L #1			4 092	311 217		
T.P.	1 290	305 515	11 084	304 225		
"	0 869	294 661	11 723	293 792		
"	0 841	284 311	11 191	283 470		
P.T. # 7	11 141	284 370	11 082	273 229	*	
		(Begin Dogleg)				
T.P.	11 077	294 430	1 017	283 353		
"	10761	304 709	0 482	293 948		
"	10108	313 677	1 140	303 569		
Blakslee			9 128	304 549	(End Dogleg)	

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10
X-Sec. ____ Date ____ Date ____ Survey of L.A. Co. Precise Lev. Net
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 6-7-57
Map No. ____ Date ____ Date ____ Date ____

F.B. 2281 Pg. 35

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
P.T. # 7	3 052	276 281		273 229	*	
T.P.	0 786	270 533	6 534	269 747		
"	0 900	259 432	12 001	258 532		
"	1 045	249 057	11 420	248 012		
"	0 487	237 932	11 612	237 445		
"	0 932	227 224	11 640	226 292		
"	1 530	218 313	10 441	216 783		
"	1 722	210 025	10 010	208 303		
B.M. "C"			5 382	204 643		
T.P.	1 712	200 577	11 160	198 865		
B.M. 34-17A			6 500	194 077		
Level	Line		#	2		6-10-57
B.M. 50-13	3 258	211 155		207 897	Adj. elev.	
T.P.	10 721	215 468	6 408	204 747		
"	10 652	225 499	0.621	214 847		
"	11 830	234 106	3 223	222 276		
"	8 446	242 139	0 413	233 693		
"	11 412	252 285	1 266	240 873		
"	10 228	260 809	1 704	250 581		
"	10 109	268 625	2 293	258 516		
"			4 133	264 492		

F.B. 2281 PG. 36

Job No. 030102 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. CO. PRECISE LEVEL NET Date Date No. X-Sec.

Survey by ENGLISH Notes Ed. Notes Chkd. Checked

Indexed K. C. Johnson Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11 672	276 164		264 492		
"	11 332	286 338	1 158	275 006		
"	11 660	296 958	1 040	285 298		
"	10 531	306 332	1 157	295 801		
"	8 338	314 225	0 445	305 887		
Shields	7 956	318 293	3 888	310 337		
T.P.	8 453	322 678	4 068	314 225		
G-1	11 322	327 062	6 938	315 740		
A-4	11 127	333 347	4 842	322 220		
F-3	10 890	335 722	8 515	324 832		
A-3	8 603	336 011	8 314	327 408		
T.P.	10 944	345 309	1 646	334 365		
"	11 618	355 405	1 522	343 787		
"	11 148	366 000	0 553	354 852		
R-1	3 865	367 687	2 178	363 822		
T.P.	1 080	357 845	10 922	356 765		
"	3 668	350 905	10 608	347 237		
B.M. 50-12	7 817	355 152	3 570	347 335		
B-2			9 415	345 737		
T.P.	8 462	362 032	1 582	353 570		
"			1 466	360 566		

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10
X-Sec. Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by ENGLISH Notes Ed. Date 6-10-57
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F.B. 2281 Pg. 37

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	10758	371 324		360 566		
"	10682	381 278	0 728	370 596		
"	10418	390 386	1 310	379 968		
D-2	6 494	395 979	0 901	389 485		
T.P.	7 982	403 461	0 500	395 479		
T.B.M. #21	11 063	414 354	0 170	403 291		
T.P.	10 845	423 637	1 562	412 792		
M.H. rim			5 173	418 464		
T.P.	11 180	433 989	0 828	422 809		
Rd. B.M.			2 195	431 794		
T.P.	9 703	438 432	5 260	428 729		
E-1	10240	445 544	3 128	435 304	?	
D-1	4 550	441 864	8 230	437 314		
C-1	1 118	435 708	7 274	434 590		
T.P.	0 268	427 023	8 953	426 755		
"	2 124	423 685	5 462	421 561		
B-1			3 548	420 137		
B-1 A	11 133	426 638	8 180	415 505		
B-1 B			5 078	421 560		
T.P.	11742	434 080	4 300	422 338		
"			2 061	432 019		

F.B. 2281 Pg. 38 Job No. 03 01.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. CO. PRECISE LEVEL NET Date Date No. X-Sec.
Survey by ENGLISH Notes Ed. Notes Chkd. Checked
Indexed C. Johnson Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11 480	443 497		432 019		
B-1 C	11 708	454 040	1 167	442 332		
T.P.	11 830	453 152	2 718	451 322		
"	3 550	451 848	3 854	448 298		
B-1 D			1 362	450 486		
Level Line #1						6-10-57
B-1 D	0 538	471 013		470 475	Field elev.	
T.P.	0 394	460 106	11 301	459 712		
"	3 204	449 172	11 264	446 968		
"	0 305	438 332	11 092	438 027		
"	0 995	428 481	10 846	427 486		
"	1 581	418 685	11 377	417 104		
"	4 559	412 108	11 136	407 549		
"	3 628	409 844	5 892	406 216		
"	4 097	407 937	6 004	403 840		
P.B. #9	3 807	407 978	3 766	404 171		
T.P.	5 528	410 047	3 459	404 519		
"	6 477	413 415	3 109	406 938		
P.I. #5			4 902	408 513		
T.P.	5 833	415 460	3 788	409 627		
"			4 535	410 925		

Profile Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 39
No. ____ Date ____ Date ____ Survey of Eng. Geologic Eval. Date 6-10-57
X-Sec. Notes Chkd ____ Checked ____ Survey by Engineering Notes Eval. Date 6-10-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	2 311	413 236		410 925		
T.B.M. #30	1 260	406 600	7 896	405 340		
T.P.	5 428	405 092	6 936	399 664		
"	5 722	408 066	2 748	402 344		
P.I. #4	5 574	409 679	3 961	404 105		
T.P.	6 133	412 251	5 561	406 118		
"	8 555	416 472	4 334	407 917		
"	10 790	426 551	0 711	415 761		
R.M. #1			4 910	421 641		
S.P.H. G-7			5 833	420 718		
R.M. #2	0 633	422 389	4 795	421 756		
T.P.	2 012	413 398	11 003	411 386		
"	0 614	402 294	11 718	401 680		
"	0 544	391 906	10 932	391 362		
"	2 513	383 664	10 755	381 151		
"	3 287	380 023	6 928	376 736		
P.I. #3	0 491	373 416	7 098	372 925		
T.P.	0 776	362 660	11 532	361 884		
"	1 128	351 948	11 840	350 820		
P.I. #2	3 282	343 929	11 301	340 647		
P.I. #1			8 387	335 542	Con't. Pg. 43	

F. B. 2281 Pg. 40 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No. X-Sec.
Survey by English Notes Ed. Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Level	Line	#6				6-11-57
B.M. 34-15	4 751	233 976		229 225	B.M. 34-15, el.= 229.225, F.B. 1355-19	
T.P.	4 130	232 475	5 631	228 345		
"	3 378	230 768	5 085	227 390		
"	3 238	228 325	5 681	225 087		
"	2 683	225 549	5 459	222 866		
"	2 313	221 974	5 888	219 661		
"	2 461	218 055	6 380	215 594		
"	3 561	215 336	6 280	211 775		
"	3 540	212 870	6 006	209 330		
B.M. 50-13	2 655	210 552	4 973	~~207 897~~	207.891 Adj	
T.P.	2 390	207 133	5 809	204 743		
"	3 908	204 353	6 688	200 445		
"	1.6 97	197 220	8 830	195 523		
"	4 139	194 571	6 288	190 432		
"	5 031	192 903	6 699	187 872		
"	7 268	194 566	5 605	187 298		
"	7 410	200 171	1 805	192 761		
"	6 988	203 198	3 961	196 210		
"	5 101	203 606	4 693	198 505		
"			7 751	195 855		

Profile Notes Red. ____ Plotted ____ Job No. 030.02 Division No. 10 F. B. 2281 Pg. 41
No. ____ Date ____ Date ____ Survey of L.A. Co. Project Lek. Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 6-11-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	4 268	200 123		195 855	
"	6 568	200 737	5 954	194 169	
"	4 413	199 232	5 918	194 819	
B.M. 34-17A	4 860	198 971	5 121	~~194 111~~	194.096 Adj
T.P.	5 662	200 110	4 523	194 448	
"	4 742	200 351	4 501	195 609	
"	2 660	196 359	6 652	193 699	
"	0 550	187 778	9 131	187 228	
"	0 993	177 106	11 665	176 113	
B.M. 34-18	2 920	171 608	8 418	~~160 688~~	168.669 Adj
T.P.	2 020	162 586	11 042	160 566	
"	6 373	163 225	5 734	156 852	
"	6 635	165 265	4 595	158 630	
"	6 342	166 877	4 730	160 535	
"	6 061	168 140	4 798	162 079	
"	6 791	170 719	4 212	163 928	
T.B.M. #31	5 983	173 039	3 663	~~167 036~~	167.032 Adj
T.P.	5 782	173 829	4 992	168 047	
"	10 360	182 637	1 552	172 277	
"	8 388	189 763	1 262	181 375	
"			1 660	188 103	

F. B. 2281 Pg. 42 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Lev. Net Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed R. O. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	8 875	196 978		188 103		
"	9 550	206 014	0 514	196 464		
"	9 983	215 187	0 810	205 204		
"	10 710	224 081	1 816	213 371		
"	10 924	233 800	1 205	222 876		
"	10 420	243 383	0 837	232 963		
"	8 302	251 416	0 269	243 114		
"	2 364	248 180	5 600	245 816		
"	2 152	241 591	8 741	239 439		
"	6 039	243 351	4 279	237 312		
B.M. 34-21			8 130	235 221	B.M. 34-21, el = 235.187, F.B. 1355-25	
P.I. #1	1 435	336 977		335 542	Con't. from Pg. 40	
		(Begin	Dogleg)			
T.P.	0 560	325 689	11 848	325 129		
"	0 540	314 636	11 593	314 096		
"	0 901	304 270	11 267	303 369		
"	0 792	294 170	10 892	293 378		
	7 525	291 547	10 148	284 022		
H-7A (ECC)			3 383	288 164		
S.P.H. H-7A			3 158	288 389	(End Dogleg)	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 43
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Lev. Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 6-11-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

F. B. 2281 Pg. 44 Job No. 030102 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. Precise Level Net Date Date No.

Survey by English Notes Ed. Notes Chkd. Checked X-Sec.

Indexed K. C. Johnson Date Date Date No.

76L298 S & E #307 6-54

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
P.I. #1	0 259	335 801		335 542	pg. 43 & 40	
T.P.	0 238	324 655	11 384	324 417		
"	0 218	313 496	11 377	313 278		
"	0 644	302 709	11 431	302 065		
"B.C."	0 598	291 646	11 661	291 048		
T.P.	2 448	282 543	11 551	280 095		
P.B. #10	0 652	280 192	3 003	279 540		
T.P.	0 534	269 854	10 872	269 320		
"	0 322	259 441	10 735	259 119		
"	0 890	249 091	11 240	248 201		
"	0 753	238 036	11 808	237 283		
"	0 862	227 307	11 591	226 445		
"	1 232	217 392	11 147	216 160		
W.F. #1			6 907	210 485		
T.P.	1 603	207 724	11 271	206 121		
"	0 669	199 940	8 453	199 271		
"	0 704	189 022	11 622	188 318		
"	0 528	177 838	11 712	177 310		
B.M. "F."			9 972	167 866		
T.B.M. #31			10 797	167 091		

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
	Level	Line	#	3		6-12-57
B.M. 50-13	1 537	209 434		207 897	Adj. elev.	
T.P.	0 592	200 387	9 639	199 795		
"	1 720	192 315	9 842	190 595		
"	0 324	181 085	11 554	180 761		
"	0 323	170 121	11 287	169 798		
"	0 348	158 938	11 531	158 590		
"	0 194	147 754	11 378	147 560		
K-5	4 783	140 833	11 704	136 050		
T.P.	0 447	133 218	8 062	132 771		
"	0 408	122 961	10 665	122 553		
"	1 080	112 275	11 766	111 195		
"	1 134	102 018	11 391	100 884		
"	3 773	94 140	11 651	90 367		
K-4	0 510	86 761	7 889	86 251		
T.P.	0 654	78 389	9 024	77 735		
"	1 540	68 873	11 056	67 333		
T.B.M. #28	2 766	63 766	7 773	61 100	*	
T.P.	9 615	72 427	1 054	62 812		
"	9 439	81 570	0 296	72 131		
"			0 955	80 615		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 45
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. Recess Level Net
Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 6-12-57
Date ____ Date ____ Map No. ____ Noted Johnson Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	11 489	92 104		80 615	
"	8 685	100 214	0 575	91 529	
"	11 383	111 233	0 364	99 850	
"	6 928	117 986	0 175	111 058	
"	8 457	123 750	2 693	115 293	
T.B.M. #25	8 895	132 240	0 405	123 345	
T.P.	11 719	143 052	0 907	131 330	
"	10 918	152 902	1 128	141 925	
"	11 414	163 117	1 199	151 103	
"	11 471	173 494	1 094	162 023	
"	11 477	184 121	0 850	172 644	
"	11 534	194 814	0 841	183 280	
"	10 579	204 010	1 383	193 431	*
		(Begin Dogleg)			
T.P.	10 421	213 984	0 447	203 563	
K-1			0 262	213 722	
		(End Dogleg)			
T.P.	10 279	203 710		193 431	*
B.M. 34-17A			9 565	194 145	

F. B. 2281 Pg. 46 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Lev. Net Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
T.B.M. #28	.262	52 362		51 100	* pg. 45
T.P.	0 708	52 096	[illegible]	[illegible]	
"	1 946	44 591	9 451	42 645	
K-3	3 913	39 447	7 057	35 534	
T.B.M. #27			4 538	34 959	
K-2	1 669	32 987	8 129	31 318	
T.P.	1 975	22 779	11 163	21 824	
"	4 272	23 013	5 071	18 728	
T.B.M. #26-B			6 088	16 922	
" 26-C			5 085	17 925	
" 26	5 422	22 305	6 127	16 883	
" 26-E			5 140	17 165	
" 26-F			4 348	17 957	
" 26-A			4 692	17 613	
T.P.	4 163	20 216	6 252	16 053	
"	3 132	19 561	3 787	16 429	
P.B. # 1	5 030	12 625	11 966	7 595	
T.P.	7 313	13 839	6 099	6 526	
"	7 000	18 054	2 785	11 054	
P.B. #2-A	4 622	16 165	0 511	11 543	
T.P.			11 055	5 110	

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 10 F. B. 2281 PG. 47
No. ____ Date ____ Date ____ Survey of Lake Pasadena Blvd. Not
X-Sec. Notes Chkd ____ Checked ____ Survey by Engineering Notes Ed. Date 6-12-54
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	3 713	8 823		5 110		
P.B. #3			3 935	4 888		
P.B. #3-A			7 567	1 256		
P.B. #4	6 313	9 798	5 338	3 485		
P.B. #5			1 235	8 563		
P.B. #5-A			9 003	0 795		
T.P.	7 742	16 363	1 177	8 621		
5+00			5 56	10 80	Stonycove Profile	
4+50			6 28	10 08		
T.P.	11 772	21 883	6 252	10 111		
0+50	6 394	25 788	2 489	19 394		
0+00			3 08	22 71		
T.P.	3 088	18 749	10 127	15 661		
P.B. #6	3 615	12 162	10 202	8 547		
P.B. #6-A			11 742	0 420		
T.P.	10 219	13 780	8 601	3 561		
P.B. #7	4 628	16 446	1 962	11 818	*	
	(Begin Dogleg)					
T.P.	3 807	17 141	3 112	13 334		
"	5 123	16 336	5 928	11 213		
"			2 878	13 458		

F. B. 2281 Pg. 48 50 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Lev. Net Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.			
T.P.	3 835	17 293		13 458			
P.B. #8			9 272	8 021			
		(End Dogleg)					
P.B. #7	8658	20 476		11 818	* pg. 48		
T.P.	11 530	30 225	1 781	18 695			
"	2 272	31 491	1 006	29 219			
"	10 231	39 911	1 811	29 680			
"	12 012	51 040	0 883	39 028			
"	11 058	61 348	0 750	50 290			
T.B.M. #28			0 222	61 126	pg. 45		
	Level Line #4					6-13-57	
B.M. 50-13	3219	211 116		207 897	adjusted elev.		
T.P.	3350	208 093	6 373	204 743			
T.B.M. #15	6330	206 611	7 612	200 481			
T.P.	7698	212 111	2 318	204 413			
J-5	4938	208 272	8 857	203 334			
T.P.	6 472	210 182	4 562	203 710			
K-2	11 228	216 619	4 711	205 391		T East	T West
T.P.	9803	224 965	1 457	215 162		+3.908	+3.156
J-4	mean	Aver.	1 537	223 428		-4.584	-3.827
J-3			-0.673	222 755	(Port Canyon)	-0.676	-0.671

Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. 10 F. B. 2281 Pg. 51 #9
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 6-12-57
No. ____ Date ____ Date ____ Map No. ____ Encoded Johnson Date 6-20-57

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
J-3	7623	230383		222755		
T.P.	1614	220592	11455	218978		
J-1	0948	213465	8055	212537		
T.P.	4344	206606	11228	202262		
B.M. "D"			8578	198028		
T.P.	6742	202929	10419	196187		
"	9948	208430	4447	198482		
"			11434	196996	*	
	Beg.	dog	Leg			
"	9827	217063	1194	207236		
P.I. # 17	11013	226413	1663	215400		
T.P.	1824	235941	0296	226117		
"	7018	241953	1026	234935		
J-1-A			3127	238826		
	End	dog	Leg			
T.P.	3391	200387		196996	*	
"	6703	200833	6257	194130		
"	4440	199237	6036	194797		
B.M. 34-17A			[illegible]	194088		

F. B. 2281 Pg. 52 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of LA Co Precise Level Net Date Date No.
Survey by English Notes Lind Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Level Line # 5						6-14-57
B-1 D	0774	471 249		470 475	Field elev.	
T.P.	0719	463 004	8 964	462 285		
"	2 692	454 000	11 696	451 308		
B-1-C	0897	443 222	11 575	442 325		
T.P.	1 621	433 632	11 211	432 011		
"	4 063	426 288	11407	422 225		
P.T. # 1	0 614	419 783	7 119	419 169		
T.P.	0 916	409 611	11 088	408 695		
P.T. # 2	0 907	399 082	11 436	398 175 *		
	Bag. dog. Leg					
S.B. # 1	1 672	391 808	8 946	390 136		
S.B. # 2	0 676	383 930	8 554	383 254		
T.P.	0 981	373 069	11 842	372 088		
"	1 298	363 362	11 005	362 064		
S.B. # 3			10 515	352 847		
	End dog leg					
P.T. # 2	1 103	399 278		398 175 *		
	2664	393 520	8 422	390 856		
P.T. # 3	0 886	387 654	6752	386 768		
T.P.	1309	379 321	9 642	378 012		

Profile Notes Red. ____ Plotted ____ Job No. 301.02 Division No. 10 F. B. 2281 Pg. 53
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Lind Date 6-14-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		379 321				
P.T. # 4	0639	371 528	8 432	370889	*	
	Beg. Dog		Leg			
T.P.	2670	362 904	11294	360234		
H-2	1313	353 450	10767	352137		
T.P.	0825	342 980	11295	342155		
H-2	0496	332 070	11406	331574		
T.P.	0836	321 823	11083	320 987		
H-4			7976	313827		
	End dog		Leg			
	Beg	"	"			
PT # 4	6076	376 965		370 889	*	
T.P.	10164	384087	3 042	373 923		
"	11882	391343	4 626	379 461		
"	7636	397271	1 708	389 635		
W. Fix			3 463	393 808		
	End dog		leg			
P.T. # 4	0426	371 315		370 889	*	
T.P.	0197	360299	11213	360102		
"	0978	350 753	10 524	349 775		
P.T. # 5	0374	342 569	8 558	342 195		

F. B. 2281 Pg. 54 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No.
Survey by English Notes Lind Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
		342 569		
T.P.	0913	333 490	9 992	332 577
"	1528	323 590	11 428	322 062
P.T. # 6	5545	320 505	8630	314 960 *
		Beg. deg Leg		
I - 1			1555	313 950
T.P.	0863	310 276	11 092	309 413
"	1134	299 740	11670	298 606
I - 2	5533	295 290	9983	289 757
I - 3			8883	286 407
		End deg Leg		
P.T. # 6	0214	315 174		314 960 *
L - 1			3956	311 218
T.P.	1032	305 247	10 959	304 215
"	0572	294 370	11 449	293 798
"	0638	284 125	10883	283 487
PT # 7	10 953	284 188	10890	273 235
		Beg deg Leg		
T.P.	10901	294 276	0813	283 375
"	10527	304 502	0301	293 975
"	10 093	313 692	0903	303 599

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 030102 Division No. 10 F. B. 2281 Pg. 55
Date ____ Date ____ Survey of L.A. County Precise Level Net
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes checked Date 6-14-57
Date ____ Date ____ Map No. ____ Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
		313 692		
Blak slee			9 103	304 589
	End dog leg			
P.T. #7	3 438	276 673		273 235
T.P.	0622	270385	6910	269 763
"	0964	259 507	11 842	258 543
"	0938	248 963	11 482	248 025
"	0321	237 785	11 499	237 464
"	0780	227 095	11470	226 315
"	1453	218 269	10279	216 816
"	1392	209 726	9935	208 334
B.M.-C			5047	204 679
T.P.	1714	200 618	10 822	198 904
34-17A			6500	194 118

Level Line # 2 6-17-57

B.M. 50-13	3 037	210 934		207 897	adjusted elev.
T.P.	11 063	215 813	6 184	204 750	
"	10 658	225 508	0 963	214 850	
"	11 922	234 200	3 230	222 278	
"	8 360	242 055	0 505	233 695	
"			1 283	240 772	

F. B. 2281 Pg. 56 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of LA Co Precise Level Net Date Date No.
Survey by English Notes Line Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11 255	252 027		240 772		
"	10 128	260 605	1 550	250 477		
"	10 325	268 710	2 220	258 385		
"	11 691	276 187	4 214	264 496		
"	11 236	286 245	1 178	275 009		
"	11 634	296 934	0 945	285 300		
"	10 688	306 490	1 132	295 802		
"	8 295	314 183	0 602	305 888		
Shields	8 062	318 397	3 848	310 335		
T.P.	8 278	322 504	4 171	314 226		
G - 1	11 275	327 021	6 758	315 746		
A - 4	11 182	333 413	4 790	322 231		
F - 3	11 326	336 071	8 668	324 745		
A - 3	8 622	336 006	8 687	327 384		
T.P.	10 988	345 331	1 657	334 349		
"	11 629	355 409	1 557	343 780		
"	11 582	366 431	0 560	354 849		
R - 1	3 874	367 683	2 622	363 809		
T.P.	1 089	357 872	10 900	356 783		
"			10 655	347 217		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 PG. 57
No. ____ Date ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes Ed. Date 6-17-57
No. ____ Date ____ Date ____ Map No. ____ Ed. Johnson Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
T.P.	3 811	351 028		347 217
B.M. 50-12	7 818	355 106	3 740	347 288
B-2			9 438	345 668
T.P.	8 430	361 924	1 612	353 494
"	10 697	371 159	1 462	360 462
"	10 920	381 397	0 682	370 477
"	10 479	390 326	1 550	379 847
D-2	6 392	395 756	0 962	389 364
T.P.	8 154	403 500	0 410	395 346
T.B.M. #21	11 083	414 165	0 418	403 082
T.P.	10 993	423 586	1 572	412 593
M.H. rim			5 160	418 426
T.P.	11 293	434 106	0 778	422 813
Rd. B.M.			2 308	431 798
T.P.	9 733	438 469	5 370	428 736
E-1	10 368	445 668	3 169	435 300
D-1	9 662	441 995	8 335	437 333
C-1	1 223	435 756	7 462	434 533
T.P.	0 189	426 921	9 024	426 732
"	2 205	423 696	5 430	421 491
B-1			3 622	420 074

F. B. 2281 Pg. 58 Job No. 0301.02 Division No. 10 Notes Red. Plotted. Profile
Survey of L.A. Co. Precise Lev. Net Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked. X-Sec.
Indexed K. C. Johnson Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		423 696				
B-1A	11 048	426 506	8 238	415 458		
B-1B			5 018	421 488		
T.P.	11 484	433 663	4 327	422 179		
"	11 082	443 132	1 613	432 050		
B-1C	11 135	453 499	0 768	442 364		
T.P.	11 748	463 094	2 153	451 346		
"	9 022	471 341	0 775	462 319		
B-1D			0 827	470 514		
	Level		Line	# 1		6-17-57
B-1D	0 626	471 101		470 475	Field elev.	
T.P.	0 360	460 072	11 389	459 712		
"	0 370	449 208	11 234	448 838		
"	0 220	438 243	11 185	438 023		
"	0 993	428 478	10 758	427 485		
"	1 381	418 485	11 374	417 104		
"	4 536	412 083	10 938	407 547		
"	3 699	409 924	5 858	406 225		
"	4 054	407 900	6 078	403 846		
P.B. #9	3 988	408 159	3 729	404 171		
T.P.	5 724	410 249	3 634	404 525		
"			3 306	406 943		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 59
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Lev. Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 6-17-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	S. S.	H. I.	F. S.	ELEV.		
T.P.	6 658	413 601		406 943		
P.I. # 5			5 084	408 517		
T.P.	5 968	415 597	3 972	409 629		
"	2 307	413 227	4 677	410 920		
T.B.M. # 30	1192	406 526	7 893	405 334		
T.P.	6 054	405 715	6 865	399 661		
"	5 987	408 330	3 372	402 343		
P.I. # 4	5 630	409 733	4 227	404 103		
T.P.			3 617	406 116	* Con't. pg. 63	
Level Line # 6						6-18-57
B.M. 34-15	4 637	233 862		229 225	B.M. 34-15, elev. = 229.225, F.B. 1355-19	
T.P.	3 824	232 171	5 515	228 347		
"	3 592	230 176	5 587	226 584		
"	2 813	227 905	5 084	225 092		
"	2 954	225 831	5 028	222 877		
"	2 452	222 123	6 160	219 671		
"	2 213	217 819	6 517	215 606		
"	3 514	215 304	6 029	211 790		
"	4 362	213 264	6 402	208 902		
B.M. 50-13	3 227	211 137	5 354	~~207 910~~	207.894 Adj	
T.P.			6 384	204 753		

F. B. 2281 Pg. 60
Job No. 030102 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	2 088	206 841		204 753		
"	4 280	204 735	6 386	200 455		
"	2 353	197 856	9 232	195 503		
"	4 297	194 620	7 983	190 323		
"	5 073	192 918	6 775	187 845		
"	7 948	195 213	5 653	187 265		
"	7 087	199 853	2 947	192 766		
"	6 700	202 896	3 657	196 196		
"	5 199	203 698	4 397	198 499		
"	4 101	199 912	7 887	195 811		
"	6 706	200 821	5 797	194 115		
"	4 327	199 163	5 985	194 836		
B.M. 34-17A	4 718	198 843	5 038	~~194 125~~	194.087	
T.P.	5 436	199 893	4 386	194 457		
"	4 478	200 096	4 275	195 618		
"	2 592	196 278	6 410	193 686		
"	0 788	188 032	9 034	187 244		
"	0 957	177 101	11 888	176 144		
B.M. 34-18	1 632	170 329	8 404	~~168 697~~	168.648	
T.P.	1 958	162 533	9 754	160 575		
"			5 667	156 866		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 PG. 61
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Lev. Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 6-18-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	6 349	163 210		156 866		
Sta. P-3			5 141	~~158 069~~	(Geodetic pt.)	158.015
T.P.	6 534	165 182	4 562	158 648		
"	6 093	166 648	4 627	160 555		
"	5 800	167 911	4 537	162 111		
Sta. P-2			4 337	~~163 574~~	(Geodetic pt.)	163.513
T.P.	6 636	170 596	3 951	163 960		
T.B.M. #31	5 878	172 966	3 508	~~167 088~~	167.023	
T.P.	5 775	173 853	4 888	168 078		
"	10 220	182 537	1 536	172 317		
"	8 406	189 816	1 127	181 410		
"	8 658	196 798	1 676	188 140		
"	9 566	206 068	0 296	196 502		
"	9 888	215 129	0 827	205 241		
"	10 693	224 104	1 718	213 411		
"	11 088	234 005	1 187	222 917		
"	10 547	243 550	1 002	233 003		
"	7 916	251 070	0 396	243 154		
"	2 273	248 133	5 210	245 860		
"	2 778	241 949	8 962	239 171		
"			4 580	237 369		

F. B. 2281 Pg. 62 Job No. 0301.02 Division No. 10 Notes Red. Plotted
Survey of L.A. Co. Precise Lev. Net Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed J. C. Johnson Date Date Date No. Profile

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	5994	243363		237369	✓ Needs Adj.	
B.M. 34-21			8087	~~235276~~	B.M. 34-21, el.= 235.187, F.B. 1355-25	
T.P.	6158	412274		406116	* Con't. from pg. 60	
"	8651	416568	-4357	407917		
"	10316	426077	0807	415761		
R.M. # 1			4436	421641		
G-7			5351	420726		
R.M. #2	0505	422265	4317	421760		
T.P.	1914	413304	10875	411390		
"	0399	402076	11622	401682		
"	0560	391923	10713	391363		
"	2543	383698	10768	381155		
"	3081	379820	6959	376739		
P.I. # 3	0268	373198	6890	372930		
T.P.	0702	362590	11310	361888		
"	1147	351973	11764	350826		
P.I. # 2	2813	343465	11321	340652		
P.I. # 1	1306	336854	7917	335548		
		(Begin	Dog	Leg)		
T.P.			11720	325134		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 63
No. ____ Date ____ Date ____ Survey of L.A.Co. Precise Lev. Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 6-18-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date 6-25-57

76L298 S & E #307 9-54

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0 458	325 592		325 134		
"	0 637	319 790	11489	319 103		
"	1 091	304 917	11 364	303 376		
"	0 703	294 087	11 033	293 384		
"	7 400	291 425	10062	284 025		
H-7A Ecc.			3 258	288 167		
S.P.H. H-7A			3 032	288 393		
		(End Dogleg)				
P.I. #1	0 206	335 754		335 548	pg. 63	
T.P.	0 341	324 766	11329	324 425		
"	0 358	313 643	11 481	313 285		
"	0 530	302 602	11 571	302 072		
"B.C."	0 844	291 899	11 547	291 055		
T.P.	2 320	282 418	11 801	280 098		
P.B. #10	0880	280 425	2 873	279 545		
T.P.	0762	270 086	11101	269 324		
"	0342	259 465	10 963	259 123		
"	0 467	249 670	11262	248 203		
"	0333	237 617	11 386	237 284		
"	0 550	226 994	11 173	226 444		
"	0759	215 880	11 873	215 121		

F. B. 2281 Pg. 64 Job No. 0301.02 Division No. 10 Notes Red. Plotted
Survey of L.A. Co. Precise Lev. Net Date Date No.
Survey by English Notes Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No. Profile

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		215 880				
W.F. #1			5398	210482		
T.P.	4273	208932	11221	204659		
"	0704	199973	9663	199269		
"	0607	188927	11653	188320		
"	0633	177944	11616	177311		
BM "F"			10080	167864		
TBM #31			10907	167037		
Level		Line	#3			6-19-57
B.M. 50-13	1 123	209 020		207 897	adjusted elev.	
T.P.	0 367	200 161	9 226	199 794		
"	1 586	192 130	9 617	190 544		
"	0 255	181 011	11 374	180756		
"	0 335	170 129	11 217	169794		
"	0 201	158 786	11 544	158 585		
"	0 233	147 789	11 230	147 556		
K-5	5314	141 360	11743	136046		
T.P.	0 220	132 986	8 594	132 766		
"			10436	122 550		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030102 Division No. 10 F.B. 2281 Pg. 65
X-Sec. No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of L.A. Co. Precise Level Net
Survey by English Notes Ed. Date 6-19-57
Map No. ____ Inked [redacted] Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0599	123099		122550		
"	0949	112140	11908	111191		
"	0353	101233	11260	100880		
"	3813	94130	10916	90317		
K-4	0376	86587	7919	86211		
T.P.	0463	78170	8880	77707		
"	1355	68637	10888	67282		
TBM #28	3014	64105	7546	61091		
STA-K-3A			4722	59383	(Geodetic Point)	
T.P.	9644	72452	1297	62808		
"	9714	81859	0307	72145		
"	11416	91952	1323	80536		
"	8400	99869	0483	91469		
"	11988	111490	0367	99502		
"	7022	118115	0397	111093		
"	8517	123832	2800	115315		
T.B.M #25	9075	132429	0478	123354		
T.P.	11672	142999	1102	131327		
"	11062	152966	1095	141904		
"	11558	163227	1297	151669		
"	11549	173550	1226	162001		

Profile No. ____ X-Sec. No. ____

Plotted ____ Date ____ Checked ____ Date ____

Notes Red ____ Date ____ Notes Chkd. ____ Date ____

Division No. 10 Job No. 030102

Survey of L.A. Co. Precise Lev. Net

Survey by English Notes Ed.

Indexed C. Johnson Date

F.B. 2281 Pg. 66

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		173 550				
T.P.	11366	183 989	0 927	172 623		
"	11 440	194 696	0 733	183 256		
"	10361	203764	1293	193 403	*	
	Beg dog Leg					
"	10390	213 928	0226	203538		
K-1			0230	213 698		
	End dog Leg					
T.P.	10127	203 530		193 403	*	
BM34-17-A			9413	194117		
TBM# 28	0751	61 842		61 091	✓	Pg. 66
T.P.	1464	52 790	10 516	51 326		
"	1977	44 526	10241	42 549		
K-3	4 138	39 594	9070	35 456		
TBM# 27			4 693	34 901		
K-2	1606	32 862	8338	31 256		
T.P.	2 021	23 792	11 091	21 771		
	4323	23 048	5067	18 725		
TBM# 26 B			6 145	16 903		

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2281 Pg. 67
X-Sec. ____ Date ____ Date ____ Survey of LA County Precise Level Net
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by English Notes Lind Date 6-19-57
Map No. ____ Date ____ Date ____ Date ____ Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		23 048				
TBM # 26-C			5127	17921		
TBM # 26	5 122	21 993	6 177	16 871		
" # 26-D			4 827	17 166		
" # 26-E			4 016	17 977		
" # 26-A			4 361	17 632		
TP	3 851	19 924	5920	16 073		
"	2780	19226	3 478	16 446		
P.B. # 1	4833	12437	11 622	7 604		
T.P.	7543	14122	5 858	6 579		
"	5687	16803	3 006	11 116		
P.B. # 2-A			5225	11578		
T.P.	4249	9289	11763	5 040		
P.B. # 3			4392	4897		
PB # 3 A			8 023	1266		
T.P.	7306	10 802	5793	3 496		
PB # 5			2225	8577		
PB 5A			10018	0784		
TP	7823	16421	2204	8598		
5+00			565	10 77	Remains Stony Cove Profile	
4+50			635	10 07		

F.B. 2281 PG. 68

Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. County Precise Level Net Date Date No. X-Sec.

Survey by English Notes Lind Notes Chkd. Checked

Indexed C. Johnson Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		16 421				
T.P.	11516	21 623	6314	10107		
0+50	6228	25 603	2248	19375		
0+00			290	2270		
T.P.	2835	18 554	9884	15719		
P.B. # 6	2562	11 171	9945	8609		
P.B. # 6-A			10754	0417		
T.P.	11326	14884	7613	3558		
P.B. #7	4456	16273	3067	11017		
T.P.	3612	16932	2953	13320		
"	5484	16681	5735	11197		
"	3782	17242	3221	13460		
P.B # 8			9233	8009		
		Level		Line	# 4	6-20-57
BM 50-13	2996	210893		207897	Adjusted Elev.	
T.P.	3490	208235	6148	204745		
T.B.M # 15	7244	207689	7790	200445		
TP	7786	212247	3228	204461		
J-5	3963	207258	8952	203295		
T.P.	8453	212125	3586	203672		
R-2	10094	215465	6754	205371		

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2281 Pg. 69
X-Sec. ____ Date ____ Date ____ Survey of LA Co Precise Level Net
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by Emlick Notes Lind Date 8-19-57
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.			
		215 465				π East	π West
T.P.	11778	226 016	1227	214 238		+ 4.193	+ 3.574
J-4	Mean Average		2642	223374		- 4.877	- 4.255
J-3	7382	230074	0.682	222692	(Port. Canyon)	- 0.684	- 0.681
TP	1547	220454	11167	218907			
J-1	0395	212870	7979	212475			
T.P.	4098	206324	10644	202226			
BM "O"			8273	198051			
T.P.	6715	202892	10147	196177			
"	10288	208767	4413	198479			
"			11810	196957	*		
	Beg. dog Leg						
"	11226	218440	1553	207214			
P.I. # 17	10723	226109	3054	215386			
TP	10094	236000	0203	225906			
"	5464	240373	1091	234909			
J-1A			1583	238790			
	End dog Leg						
T.P.	3572	200529		196957	*		
"	6623	200704	6448	194081			
"	4392	199226	5870	194834			
BM 3417-A			5105	194121			

F.B. 2281 Pg. 70 Job No. 0301.02 Division No. 10 Notes Red. Plotted No. Profile
Survey of LA. Co. Precise Level Net Date Date X-Sec.
Survey by English Notes Lind Notes Chkd. Checked No.
Indexed C. Johnson Date Date Date

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
	Level			Line	#5	6-21-57
B-II-D	0908	471 383		470 475		
T.P.	0823	463 108	9 098	462 285		
"	2324	453 628	11 804	451 304		
B-1 C	1024	443 339	11 313	442 315		
T.P.	1 644	433 645	11 338	432 001		
"	4 000	426 029	11 616	422 029		
P.T. # 1	0498	419 586	6941	419 088		
T.P.	0770	409 408	10 948	408 638		
PT # 2	0860	398 990	11 278	398 130	*	
	Beg.	dog	Leg			
S.B. # 1	1991	392 098	8883	390 107		
S.B. # 2	0545	383 778	8865	383 233		
T.P.	0951	373 021	11 708	372 070		
"	1296	363 335	10 977	362 044		
S.B. # 3			10 504	352 831		
	End	dog	Leg			
PT # 2	0997	399 127		398 130	*	
T.P.	1978	392 797	8308	390 819		
PT # 3	0936	387 661	6 072	386 725		
	1918	379 889	9 690	377 971		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 71

X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co Precise Level Nat

Notes Chkd ____ Checked ____ Survey by English Notes Lind Date [illegible]

Date ____ Date ____ Map No. ____ [illegible]

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
		379 889			
P.T. # 4	0510	371 356	9043	370 846	*
	Beg	dog	Leg		
T.P.	2756	362 940	11 172	360 184	
H-1	1227	353 299	10 868	352 072	
T.P.	0862	342 963	11 198	342 101	
H-2	0430	331 938	11 455	331 508	
T.P.	1775	322 708	11 005	320 933	
H-4			8935	313 773	
	End	dog	leg		
P.T # 4	5903	376 749		370 846	*
	Beg	dog	Leg		
T.P.	9853	383 728	2874	373 875	
"	11843	391 267	4304	379 424	
"	7411	397 ~~396~~ 036	1 642	389 ~~376~~ 625	
"W" Fix			3248	393 788	
	End	dog	Leg		
P.T. # 4	0353	371 199		370 846	*
T.P.	0239	360 299	11 139	360 060	
"	0809	350 522	10 586	349 713	
P.T. # 5	0298	342 447	8373	342 149	

F.B. 2281 Pg. 72 Job No. 0321.64 Division No. 10 Notes Red. Plotted Profile No.
Survey of L.A. County Precise Level Net Date Date X-Sec. No.
Survey by English Notes Lind Notes Chkd. Checked
Indexed J. C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		342 447				
T.P.	0889	333 424	9912	332535		
"	1882	323 900	11406	322018		
PT# 6	5504	320 410	8994	314906	*	
		Beg. dog Leg				
I-1			1495	318915		
T.P.	0483	309851	11042	309368		
"	0787	299340	11298	298553		
I-2	5113	294800	9653	289687		
I-3			8455	286 ~~445~~ 345		
		End dog Leg				
PT# 6	0291	315197		314906	*	
BM'L-1'			4033	311164		
T.P.	0880	305032	11045	304152		
"	0555	294296	11291	293741		
"	0572	284009	10859	283437		
PT# 7	11016	284191	10834	273175	*	
		Beg. dog Leg				
T.P.	11068	294396	0863	283328		
"	10365	304298	0463	293933		
	9550	313100	0748	303550		
Blaks Lec			8562	304538	End dog Leg	

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 73

No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net

X-Sec. Notes Chkd ____ Checked ____ Survey by English Notes Lind Date 4-21-

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

B. 2281 PG. 74 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. Precise Level Net Date Date No.

Survey by English Notes Lind Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY

ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.
PT #7	2623	275798		273175
T.P.	0463	270176	6085	269713
"	0618	259106	11688	258488
"	0669	248648	11127	247979
"	0228	237655	11221	237427
"	0632	226915	11372	226283
"	1466	218250	10125	216790
"	1028	209336	9948	208308
BM "C"			4668	204668
T.P.	1651	200546	10441	198895
BM-34-17-A			6435	194111

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
LEVEL LINE #2		LEVEL LINE No. 2				6-21-57
B.M. 50-13	3 817	211 714		207 897	ADJUSTED ELEV.	
T.P.	11 362	215 106	6 970	204 744		
"	10 779	225 619	1 266	214 840		
"	11 967	234 239	3 347	222 272		
"	8 688	242 374	0 553	233 686		
"	11 544	252 247	1 671	240 703		
"	10 528	260 927	1 848	250 399		
"	11 701	269 994	2 634	258 293		
"	11 696	276 181	5 509	264 485		
"	11 293	286 291	1 183	274 998		
"	11 424	296 714	1 001	285 290		
"	11 029	306 922	0 921	295 793		
"	8 670	314 547	0 945	305 877		
SHIELDS	8 295	318 595	4 247	310 300		
T.P.	8 721	322 904	4 412	314 183		
G-1	11 817	327 516	7 205	315 699		
A-4	11 764	333 943	5 337	322 179		
F-3	11 072	335 699	9 316	324 627		
A-3	9 107	336 407	8 399	327 300		
T.P.			2 137	334 270		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. ____ F.B. 2281 PG. 75
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. ____ Checked ____ Survey by GEDREIES Notes CERICOLA Date 6-21-57
Date ____ Date ____ Map No. ____ Indexed A. C. Johnson Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11237	345507		334270		
"	11745	355451	1801	343706		
"	11767	366543	0675	354776		
RADIO-1	4602	368342	2803	363740		
T.P.	1299	358040	11601	356741		
"	4392	351550	10882	347158		
50-12	8285	355499	4336	347214		
B-2			9912	345587		
T.P.	8798	362201	2096	353403		
"	11112	371463	1850	360351		
"	10938	381297	1104	370359		
"	10711	390439	1569	379728		
D-2	6162	395403	1198	389241		
T.P.	8224	403445	0182	395221		
T.B.M. "21	10589	413507	0527	402918		
T.P.	11657	424093	1071	412436		
M.H.			5732	418361		
T.P.	11174	433942	1325	422768		
RD. DEPT. B.M.			2186	431756		
T.P.	10257	438949	5250	428692		
E-1			3711	435238		

F.B. 2261 PG. 76

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

Survey of PORTUGUESE BEND LANDSLIDE Date Date No. X-Sec.

Survey by G.E. DREIER Notes M.A. CERICOLA Notes Chkd. Checked

Indexed E. C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
	9945	445 183		435 238		
D-1	5405	442 686	7902	437 281		
C-1	1761	436 189	8258	434 428		
T.P.	0517	427 166	9540	426 649		
"	4078	425 459	5785	421 381		
B-1			5505	419 954		
B-1A	11605	426 966	10098	415 361		
B-1B			5579	421 387		
T.P.	11219	433 233	4952	422 014		
"	11850	443 844	1239	431 994		
B-1C	11900	454 206	1538	442 306		
T.P.	11983	463 274	2915	451 291		
"	10491	472 755	1010	462 264		
B-1D	0728	471 203	2298	470 457		
				470 475	ADJUSTED- ELEV.	
T.P.	0269	459 974	11 498	459 705		
"	0306	449 139	11 141	448 833		
"	0355	438 370	11 124	438 015		
"	0928	428 406	10 892	427 478		
"	1909	419 004	11 311	417 095		
"	4898	412 425	11 477	407 527		
"	4090	410 227	6288	406 137		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 10 F.B. 2281 Pg. 77

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

Notes Chkd. ____ Checked ____ Survey by DREIER Notes T.C.P. Date 6-21-57

No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		410 227				
T.P.	5128	408965	6390	403837		
BM PB #9	4490	408655	4800	404165		
T.P.	6770	411285	4140	404515		
"	6341	413276	4350	406935		
P.I. #5	6080	414588	4768	408508		
T.P.	6738	416362	4964	409624		
"	1925	412845	5442	410920		
T.B.M #30	0522	405862	7505	405340		
T.P.	6849	406423	6288	399574		
T.P.	6125	408478	4070	402353		
P.I. #4	6280	410393	4365	404113		
T.P.	4605	410737	4261	406132		
"	8682	416615	2804	407933		
"	10840	426623	0832	415783		
RM #1	4810	426473	4960	421663		
B.M. G-7	5742	426492	5723	420750		
R.M. #2			4712	421780		

F.B. 2281 PG. 78

Job No. 002164 Division No. 10 Notes Red. Plotted Profile

Survey of PARTHENESE BEND LANDSLIDE Date Date No. X-Sec.

Survey by DREIER Notes J.A. MOODY Notes Chkd. Checked

Indexed C. Johnson Date 6-25-57 Date Date No.

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
R.M. #2	0651	422431		421780	CONTINUED FROM PREVIOUS PAGE	
T.P.	2070	413480	11021	411410		
"	0668	402367	11781	401699		
"	0228	391610	10985	391382		
"	2989	384159	10440	381170		
"	3739	380498	7400	376759		
P.I. #3	0685	373634	7549	372949		
T.P.	0519	362425	11728	361906		
T.P.	1572	352415	11582	350843		
P.I. #2	3298	343970	11743	340672		
P.I. #1			8401	335569		
		SIDE LINE TO S.P. HILLS H-7				
P.I. #1	1571	337140		335569		
T.P.	0711	325859	11992	325148		
T.P.	0703	314812	11750	314109		
T.P.	0757	304136	11433	303379		
T.P.	0791	294171	10756	293380		
T.P.	8409	292429	10151	284020		
ECC. 1 S.P.H. H-7A			4252	288177		
S.P.H. H-7A ~~ECC. #1~~			4037	288392		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 79
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes T. CHASH Date 6-28-57
Date ____ Date ____ Map No. ____ Indexed E. C. Johnson Date 7-10-57

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
P.I #1	0678	336247		335569		
T.P.	0669	325115	11801	324446		
"	0789	314092	11812	313303		
"	0911	303005	11998	302094		
B.C.	0970	292050	11925	291080		
	2778	282905	11923	280127		
B.M. P.B. #10	1455	281026	3334	279571		
T.P.	0692	270046	11672	269354		
"	0553	259704	10895	259151		
"	0368	248602	11470	248234		
"	0573	237886	11289	237313		
"	0622	227096	11412	226474		
"	0185	215331	11950	215146		
W.F. #1	2828	213339	4820	210511		
T.P.	2132	206779	8692	204647		
"	0588	195667	11700	195079		
"	0602	184827	11442	184225		
"	3072	176217	11682	173145		
B.M "F"			8330	167887		

F. B. 2281 Pg. 80

Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile

Survey of PORTUGUESE BEND Date Date No.

Survey by G.E. DREIER Notes J.A. MOODY Notes Chkd. Checked X-Sec.

Indexed Date 6-28-57 Date Date No.

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		LINE #3				
B.M. 50-13	3868	211765		207897		
T.P.	1250	201043	11972	199793		
T.P.	1517	192057	10503	190540		
T.P.	0583	181335	11305	180752		
T.P.	0314	170102	11547	169788		
T.P.	0562	159142	11522	158580		
T.P.	0418	147966	11594	147548		
BM. K-#5	5575	141614	11927	136039		
T.P.	1000	133753	8861	132753		
T.P.	0304	122848	11209	122544		
T.P.	1411	112595	11664	111184		
T.P.	0466	101343	11718	100877		
T.P.	1973	92227	11089	90254		
BM. K#4	0531	86686	6072	86155		
T.P.	1234	78902	9018	77668		
T.P.	1190	68417	11675	67227		
TBM #28	1385	62457	7345	61072		
T.P.	0448	51623	11282	51175		
T.P.	3412	44704	10331	41292		
BM K#3	6571	41963	9312	35392		

Profile No. ____ Date ____ Notes Rod ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 81
X-Sec. No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Survey by E. E. DREIER Notes T. OHASHI Date 6-26-57
Map No. ____ Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		41 963				
TBM #27	2808	38343	6 428	35535		
BM. K-#2	1902	33093	7 152	31191		
T.P.	2658	24424	11 327	21766		
T.P.	4591	23 310	5705	18719		
TBM 26A.			6 393	16917	E. DOOR	
TBM 26C			5 366	17944	N.E. COR	
TBM #26	5120	21974	6456	16854		
TBM 26D			4793	17181	N.W. COR	
TBM			3 969	18005	S.W. COR.	
TBM 26A			4 333	17641	B.SPK. & W	
T.P.	3935	20016	5 893	16081		
T.P.	2511	18958	3 569	16447		
P.B. #1	5154	12751	11 361	7597		
T.P.	5988	9770	8969	3782		
T.P.	10024	17 145	2 649	7121		
P.B. #2A	5973	17548	5570	11575		
T.P.	3412	10862	10098	7450		
T.P.	5458	9 568	6752	4110		
P.B. #3A			8315	1253		
P.B. #3	4941	9826	4683	4885		
P.B. #4	5131	8609	6348	3478		

F.B. 2281 Pg. 82

Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date Date No. X-Sec.

Survey by G.E. DREIER Notes T. OHASHI Notes Chkd Checked

Indexed E. C. Johnson Date 6-26-57 Date Date No.

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		8609				
BEACH #3	4598	11605	1602	7007		
P.B. #5	2063	10621	3047	8558		
T.P.	1121	7535	4207	6414		
P.B #5A			6759	0776	(NOTE:- STONY COVE PROFILE COVERED OVER)	
T.P.	6969	12163	2341	5194		
T.P.	3555	9993	5725	6438		
P.B. #6	1368	10013	1348	8645		
P.B. #6A			9631	0382		
T.P.	7968	14136	3845	6168		
P.B. #7	5287	17070	2353	11783	DOGLEG ↓	
T.P.	2052	16733	2389	14681		
T.P.	5567	16725	5575	11158		
T.P.	1456	14879	3302	13423		
P.B. #8			6909	7970		
P.B #7	7218	19001	~~5036~~	11783		
T.P.	11587	30246	0342	18659		
T.P.	2281	31459	1068	29178		
T.P.	10273	39879	1853	29606		
T.P.	11830	50723	0986	38893		
T.P.	11263	61423	0563	50160		
T.B.M. #28	2219	63284	0358	61065		

Profile No.____ Date____ Notes Red____ Date____ Plotted____ Date____ Job No. 002164 Division No. 10 F.B. 2281 Pg. 83
X-Sec. No.____ Date____ Notes Chkd____ Date____ Checked____ Date____ Survey of PORTUGUESE BEND LANDSLIDE
Survey by G.E. DREELER Notes T. CHASEY Date 6-26-57
Map No.____ Date____ Notes Jd. Johnson Date____

F.B. 2281 PG. 84 Job No. 002164 Division No. 10 Notes Red. Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date 6-26-57 Date No.

Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY

ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.
BM K-3A	11185	63284		
T.P.	10809	70524	3945	59339
T.P.	11179	81120	0213	70311
T.P.	7669	91877	0422	80698
T.P.	11781	99053	0493	91384
T.P.	10380	110549	0285	98768
T.P.	6086	120652	0277	110272
T.BM. #25	11092	126024	0714	119938
T.P.	11965	134444	2672	123352
T.P.	11328	143281	3128	131316
T.P.	10895	153203	1406	141875
T.P.	11806	162516	1582	151621
T.P.	11798	174059	0263	162253
T.P.	11814	185144	0713	173346
T.P.	11063	195042	1916	183228
T.P.	11325	204440	1665	193377
BM. K-1 #	1130	214836	0929	203511
T.P.	0699	214810	1156	213680
B.M. 34-17A		204211	11298	203512
			10119	194092

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		LINE	No.	4		
B.M. 50-13	3863	211763		207897	3-22-57 ADJUSTED	ELEV.
T.P.	5678	209125	8313	203447		
TBM. #15	7427	207837	8715	200410		
T.P.	8445	212883	3399	204438		
STA. J-#5	5388	208652	9619	203264		
T.P.	8908	212102	5458	203194		
STA. R-2	11192	216544	6750	205352		
T.P.	11687	225909	2322	214222		
STA. J-#4			2583	223326	220' − 6.300 / 20' + 5.612 / − 0.688	20' − 4.665 / 220' + 3.967 / − 0.698
				− 0693		
STA. J-#3	7425	230058		222633	MEAN DIFF. − 0.693	
T.P.	2282	221121	11219	218839		
STA J-#1	0923	213332	8712	212409		
T.P.	2037	203724	11645	201687		
B.M. "D"	5606	203669	5661	198063		
T.P.	6618	202858	7429	196240		
T.P.	4991	203991	3858	199000		
T.P.	11949	209295	6645	197346	SIDE LINE TO	P.I. #17 AND STA. J-1A
T.P.	11149	218326	2118	207177		
P.I. #17	11910	227268	2968	215358		
T.P.	9429	235294	1403	225865		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 85
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes T. OWEN Date 6-27-57
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		235 294				
T. P.	7757	242621	0430	234864		
STA. J-1A			3879	238742	END OF SIDE LINE	
T. P.	3721	201067		197346		
T. P.	5793	200937	5923	195144		
T. P.	4088	200034	4991	195946		
B.M. 34-17A	5648	199759	5923	194111		
	LEVEL LINE #5				ELEV. CONTINUED	
T. P	11089	209987	0861	198898		
B.M. "C"			5315	204672	SIDE SHOT	
T. P.	10142	218455	1674	208313		
T. P	10647	227443	1659	216796		
T. P	11951	238237	1157	226286		
T. P	11651	249081	0807	237430		
T. P	11592	259561	1112	247969		
T. P	11827	270300	1088	258473		
T. P	7961	277665	0596	269704		
P.T. 7	11318	284472	4511	273154		
T. P.	5991	289416	1047	283425		
	SIDE LINE TO BLAKESLEY					
T P	7499	292758	4157	285259		
T. P.	9197	300117	1838	290920		

F. B. 2281 Pg. 86 Job No. 002164 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 6-27-57 Date X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed K. C. Johnson Date Date No.

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		300 117				
T. P	9175	306454	2838	297279		
BLAKESLEY			1907	304547		
		END OF SIDE LINE				
T. P.	11414	294839		283425		
T. P.	11821	305547	1113	293726		
T. P.	11364	315491	1420	304127		
L. #1			4345	311146	SIDE SHOT	
P.T. #6	5991	320885	0597	314894		
		SIDE LINE TO I 1, 2, & 3				
I - 1			1968	318917		
T. P	0176	309551	11510	309375		
T. P	0337	298881	11007	298544		
I - 2	6064	295732	9213	289668		
I - 3			9419	286313		
		END OF SIDE LINE				
P.T #6	9138	324032		314894		
T. P	10708	332721	2019	322013		
T. P	10457	342991	0187	332534		
P.T. #5	9709	351857	0843	342148		
T. P.	10642	360338	2161	349696		

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 87
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes T. OHASA Date 6-27-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Date ____

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		360338				
T.P.	11235	371295	0278	360060		
P.T #4	0773	371623	0445	370850		
		SIDE LINE TO			H-1, 2, & 4	
T.P.	0053	360232	11444	360179		
H-#1	1163	353222	8173	352059		
T.P.	0589	342673	11138	342084		
H-#2	1357	332839	11191	331482		
TP	2047	325469	9417	323422		
H-#4			11727	313742		
		END OF SIDE LINE				
		SIDE LINE TO WEST FIX				
P.T. #4	6511	377361		370850		
T.P.	10668	384547	3482	373879		
T.P.	11502	390936	5113	379434		
T.P.	8574	398228	1282	389654		
W. FIX			4397	393831		
		END OF SIDE LINE				
P.T. #4	9061	379911		370850		
T.P.	9956	387932	1935	377976		
P.T. #3	11830	398562	1200	386732		
PT #2			0427	398135		

F. B. 2281 Pg. 88 Job No. 002164 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 6-27-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed C. Johnson Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
P.T. #2	1610	399745	—	398135		
S.B. #1	2370	392497	9618	390127		
S.B. #2	0187	383446	9238	383259		
T.P.	1542	373630	11358	372088		
T.P.	1015	363076	11569	362061		
S.B. #3			10234	352842		
		END	OF	SIDE LINE		
P.T. #2	10983	409118		398135		
T.P.	10807	419431	0494	408624		
P.T. #1	5760	424820	0371	419060		
T.P.	11482	433379	2923	421897		
T.P.	11877	443911	1345	432034		
B.M. B-1C	11972	454317	1566	442345		
T.P.	11805	463136	2986	451331		
T.P.	10625	472930	0831	462305		
B.M. B-1D			2429	470501		

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 10 F.B. 2281 Pg. 89

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

Survey by G.E. DREIER Notes T. OHASHI Date 6-27-57

Map No. ____ Date ____ Made by J. Johnson Date ____

F.B. 2281 Pg. 90 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date Date No.

Survey by DREIER Notes Notes Chkd Checked X-Sec.

Indexed Date Date Date No.

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

Do not extend notes this side of this line.

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

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

78L298 307 10-51

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE.

Chief of Party G.E. DREIER Weather OVERCAST Inst. No Nr 142552
Notes by G.E. DREIER Time 8:50 to 9:30 Rod No. 11 & 12

Name PORTUGUESE BEND LANDSLIDE
Job No. 0021.64
From B.M. 34-12 To B.M. 34-13
Date 6-28-57
Index C. Johnson 7-10-57

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.122		314		#11	5.600		332		B.M. 34-12
	5.808		313			5.268		332		DR. E.
	5.495		627			4.936		664		PALOS VERDES DR. S. & PALOS VERDES
1	17.425	5.808		627	65°	15.804	5.268		664	SEE F.B. 1355-17 FOR DESC
	4.713	-5.268	634			7.843		620		B.M. 34-11 (U.S. 2881, U-168, 1933) E.
	4.079	+0.540	632			7.223		620		PALOS VERDES DR. S. & PALOS VERDES DR.
	3.447		1.266			6.603		1.240		SEE F.B. 1355-17 FOR DESC.
2	12.239	4.080		1.893		21.669	7.223		1.904	
	1.636		503			10.660		495		⊼ J. MOODY
	1.133		503			10.165		496		
	0.630		1.006			9.669		991		
3	3.399	1.133		2.899		30.494	10.165		2.895	
	1.273		515			11.932		533		
	0.758		516			11.399		531		
	0.242		1031			10.868		1064		
4	2.273	0.758		3.930		34.199	11.400		3.959	
	1.298		497			10.082		497		
	0.801		499			9.585		498		
	0.302		996			9.087		995		
5	2.401	0.800		4.926		28.754	9.585		4.954	
		6.771					38.373			

F.B. 2281 P.G. 91

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. NK 142552
Notes by G.E. DREIER Time 8:50 TO 9:30 Rod No. 11 & 12

Name PORTUGUESE BEND LANDSLIDE
Job No. 00 21.64
From B.M. 34-12 To B.M. 34-13
Date 6-28-57
Indexed K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2.747	6.771	501	4.926		9.229	38.373	494	4.954	
	2.246		501			8.735		494		
	1.745		1002			8.241		988		
6	6.738	2.246		5.928		26.205	8.735		5.942	
	2.833		497			9.210		501		
	2.336		495			8.709		500		
	1.841		992			8.209		1001		
7	7.010	2.337		6.920		26.128	8.709		6.943	
	2.955		504			9.565		492		
	2.451		503			9.073		491		
	1.948		1007			8.582		983		
8	7.354	2.451		7.927		27.220	9.073		7.926	
	2.535		497			9.130		504		
	2.038		497			8.626		502		
	1.541		994			8.124		1006		
9	6.114	2.038		8.921		25.880	8.627		8.932	
	2.602		500			8.791		493		
	2.102		500			8.298		496		
	1.602		1000			7.802		989		
10	6.306	2.102		9.921		24.891	8.297		9.921	
		17.945					81.814			

F.B. 2281 P.G. 92

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. Nr 142552
Notes by G.E. DREIER Time 8:50 TO 9:30 Rod No. 11 & 12

Name PORTUGUESE BEND LANDSLIDE
Job No. 0021.64
From B.M. 34-12 To B.M. 34-13
Date 6-28-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2.320	17.945	504	9.921		9.076	81.814	497	9.921	
	1.816		505			8.579		497		
	1.311		1009			8.082		994		
11	5.447	1.816		10.930		25.737	8.579		10.915	
	2.948		400			8.056		388		
	2.548		399			7.668		388		
	2.149		799			7.280		776		
12	7.645	2.548		11.729		23.004	7.668		11.691	
	2.667		405			8.074		393		+27.229
	2.262		403			7.681		392		- 112.742
	1.859		808			7.289		785		- 85.513
13	6.788	2.263		12.537		23.044	7.681		12.476	
	2.970		313			7.317		317		B.M. 34-13 (U.S. 4131, V-787, 1946)
	2.657		313			7.000		316		PALOS VERDES DR. S., 0.5 MI. E. OF
	2.344		626			6.684		633		PALOS VERDES DR. S.
14	7.971	2.657		13.163		21.001	7.000		13.809	SEE F.B. 1355-18 FOR DESC
		27.229					112.742			

SUMMATION OF RUN
DIFF IN ELEV. B.M. 34-12 TO B.M. 34-11, +0.540
" " " B.M. 34-11 TO B.M. 34-13, -85.513

F.B. 2281 P.G. 23

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. Nr. 142552
Notes by G.E. DREIER Time 9.30 TO 10.00 Rod No. 11 812

Name PORTUGUESE BEND LANDSLIDE
Job No. 0021.64
From B.M. 34-13 To B.M. 34-12
Date 6-28-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.389		316			3.043		313		B.M. 34-13
	7.073		317			2.730		313		PALOS VERDES DR. 0.5 MI. E. OF
	6.756		633			2.417		626		PALOS VERDES DR
1	21.218	7.073		.633		8.190	2.730		626	
	8.245		394			2.830		402		
	7.851		394			2.428		403		
	7.457		788			2.025		805		
2	23.553	7.851		1.421		7.283	2.428		1.431	
	8.048		387			2.938		399		
	7.661		387			2.539		398		
	7.274		774			2.141		797		
3	22.983	7.661		2.195		7.618	2.539		2.228	
	9.047		498			2.286		503		
	8.549		498			1.783		502		
	8.051		996			1.281		1005		
4	25.647	8.549		3.191		5.350	1.783		3.233	
	8.891		494			2.702		500		
	8.397		492			2.202		500		
	7.905		986			1.702		1000		
5	25.193	8.398		4.177		6.606	2.202		4.233	
		39.532					11.682			

F.B. 2281 P.G. 94

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE.

PORTUGUESE BEND LANDSLIDE

Chief of Party G. E. DREIER Weather OVERCAST Inst. No Nh 142552
Notes by G.E. DREIER Time 9:30 TO 10:00 Rod No. 11 & 12

Name ~~C. A. CO. PRECISE LEVEL NET~~
Job No 0021.64
From B.M. 34-13 To B.M. 34-12
Date 6-28-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	9.105	39.532	503	4.177		2.511	11.682	496	4.233	
	8.602		503			2.015		497		
	8.099		1006			1.518		993		
6	25.806	8.602		5.183		6.044	2.015		5.226	
	9.779		511			3.150		504		
	9.268		510			2.646		505		
	8.758		1021			2.141		1009		
7	27.805	9.268		6.204		7.937	2.646		6.235	
	9.065		500			2.688		495		
	8.565		500			2.193		495		
	8.065		1000			1.698		990		
8	25.695	8.565		7.204		6.579	2.193		7.225	
	9.072		494			2.590		499		
	8.578		493			2.091		502		
	8.085		987			1.589		1001		
9	25.735	8.578		8.191		6.270	2.090		8.226	
	10.083		498			1.298		497		
	9.585		498			0.801		499		
	9.087		996			0.302		996		
10	28.755	9.585		9.187		2.401	0.800		9.222	
	84.130					21.426				

F.B. 2281 P.G. 95

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather OVERCAST Inst. No NR 142552
Notes by G. E. DREIER Time 9:30 TO 10:00 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0021.64
From B.M. 34-13 To B.M. 34-12
Date 6-28-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	11.934	84.130	531	9187		1.276	21.426	516	9.222	
	11.403		532			0.760		513		
	10.871		1063			0.247		1029		
11	34208	11.403		10.250		2.283	0.761		10.251	
	11.084		493			2.061		502		
	10.591		494			1.559		503		
	10.097		987			1.056		1.005		
12	31.772	10.591		11.237		4.676	1.559		11.256	
	7.879		620			4.749		632		+113.383
	7.259		620			4.117		634		- 27.862
	6.639		1240			3.483		1266		+85.521
13	21.777	7.259		12.477		12.349	4.116		12.523	
		113.383					27.862	12.477		B.M. 34-11 (U.S. U-168, 1933)
								2.0999		
								0.47mi		PALOS VERDES DR. S. & PALOS VERDES DR. S, SEE F.B. 1355-17 FOR DESC.
	5.650		331			6.174		315		B.M. 34-12
	5.319		331			5.859		316		PALOS VERDES DR. S. & PALOS VERDES DR. E.
	4.988		662			5.543		631		
14	15.957	5.319		13.139		17.576	5.859		13.153	SEE F.B. 1355-17 FOR DESC.
							+5.319			
							- 0.500			

F.B. 2281 P.G. 96

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather FOGGY Inst. No Nr. 142552
Notes by G. E. DREIER Time 8:00 TO 9:45 Rod No. 11 812

Name L.A. CO. PRECISE LEVEL NET
Job No 0021.64
From B.M. 34-13 To B.M. 34-15
Date 6-24-57
Indexed ~~6-25-57~~ 6-28-57

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1.362		407		F11	9.749		397		B.M. 34-13 (U.C.4131, V-787.946)
	0.955		408			9.352		399		PALOS VERDES DR.S., 0.5 MI. W.
	0.547		815			8.953		796		OF PALOS VERDES DR. E.
1	2.864	0.955		.815	65°	28.054	9.351		.796	SEE F.B. 1356-18 FOR DESC
	1.529		516			10.730		597		
	0.933		516			10.133		597		
	2.328		1.191			9.536		1194		
2	2.800	0.933		2.006		30.399	10.133		1.790	T J. MOODY
	4.050		297			7.442		300		
	3.753		297			7.142		301		
	3.456		594			6.841		601		
3	11.259	3.753		2.600		21.425	7.142		2.591	
	2.109		671			11.308		674		
	1.438		670			10.634		675		
	0.768		1341			9.959		1.349		
4	4.315	1.438		3.941		31.901	10.634		3.940	
3	1.728		610			11.741		592		
	1.118		609			11.149		591		
	0.509		1219			10.558		1.183		
5	3.355	1.118		5.160		33.448	11.149		5.123	
		8.197					48.409			

F.B. 2281 P.G. 97

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party: G. E. DREIER
Notes by: G. E. DREIER
Weather: FOGGY
Time: 8:00
Inst. No: Nr 142552
Rod No: 118 12

Name: L.A. CO. PRECISE LEVEL NET
Job No: 9021.64
From: B.M. 34-13 To: B.M. 34-15
Date: 6-24-57
Indexed: C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.693	8.197	556	5.160		10.351	48.409	537	5.123	
	1.137		557			9.814		537		
	0.580		1.113			9.277		1.074		
6	3.410	1.137		6.273	✓	29.442	9.814		6.197	✓
	1.498		550			10.087		549		
	0.948		551			9.538		550		
	0.397		1.101			8.988		1.099		
7	2.843	0.948		7.374	✓	28.613	9.538		7.296	✓
	1.649		538			10.535		564		
	1.111		539			9.971		567		
	0.572		1.077			9.404		1.131		
8	3.332	1.111		8.451	✓	29.910	9.970		8.427	✓
	1.507		550			10.216		557		
	0.957		549			9.659		557		
	0.408		1.099			9.102		1.114		
9	2.872	0.957		9.550	✓	28.977	9.659		9.541	✓
	2.092		555			10.937		552		
	1.537		558			10.385		553		
	0.979		1.113			9.832		1.105		
10	4.608	1.536		10.663	✓	31.154	10.385		10.646	✓
	18.886 ✓					97.775 ✓				

F.B. 2281 P.G. 98

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather FOGGY Inst. No NR 142552
Notes by G. E. DREIER Time 8:00 TO 9:45 Rod No. 11 & 12

Name A. CO. PRECISE LEVEL NET
Job No. 0021.64
From B.M. 34-13 To B.M. 34-15
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3.537	13.886	549	10.663		9.328	97.775	557	10.646	
	2.988		547			8.771		555		
	2.441		1.096			8.216		1112		
11	8.966	2.989		11.759		26.315	8.772		11.758	
	3.631		552			9.382		557		
	3.079		548			8.825		556		
	2.531		1.100			8.269		1113		
12	9.241	3.080		12.859		26.476	8.825		12.871	
	2.369		678			9.934		685		
	1.691		682			9.249		687		B.M. 34-15
	1.009		1.360			8.562		1.372		PALOS VERDES DR. S. & YACHT
13	5.069	1.690		14.219		27.745	9.248		14.243	HABOR DR.
									14.219	SEE F.B. 1355-19 FOR DESC.
									28.462	
									= 0.54 mi.	
										SUMMATION OF RUN
										B.M. 34-13 TO B.M. 34-15
										TOTAL BACKSIGHTS + 21.645
										TOTAL FORESIGHTS - 124.620
										DIFF IN ELEVATION - 102.975
		21.645					124.620			

F.B. 2281 PG. 99

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather HIGH FOG Inst. No Nr. 142552
Notes by G.E. DREIER Time 8:15 TO 9:55 Rod No 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0021.64
From B.M. 34-15 To B.M. 34-13
Date 6-25-57 C. Johnson
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	9.945		688			2.378		679		B.M. 34-15
	9.257		688			1.699		681		PALOS VERDES DR. S. & YACHT
	8.569		1.376			1.018		1360		HARBOR DR.
1	27.771	9.257		1.376		5.095	1.698		1360	SEE F.B. 1355-19 FOR DESC.
	8.783		545			3.044		553		
	8.238		545			2.491		555		
	7.693		1090			1.936		1.108		
2	24.714	8.238		2.466		7.471	2.490		2.468	T S. MOODY
	9.396		549			3.623		560		
	8.847		549			3.063		557		
	8.298		1.098			2.506		1117		
3	26.541	8.847		3.564		9.192	3.064		3.585	
	11.117		549			2.279		561		
	10.568		550			1.718		562		
	10.018		1.099			1.156		1.123		
4	31.703	10.568		4.663		5.153	1.718		4.708	
	10.816		552			2.126		565		
	10.264		551			1.561		564		
	9.713		1.103			0.997		1.129		
5	30.793	10.264		5.766		4.684	1.561		5.837	
	47.174					10.531				

F.B. 2281 P.G. 100

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather CLEARING FOG Inst. No NK142552
Notes by G. E. DREIER Time 8:15 TO 9:55 Rod No 11 & 12

Name L.A. CO. PRECISE LEVEL NET
Job No. 0021.64
From B.M. 34-15 To B.M. 34-13
Date 6-25-57
Indexed K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	10.879	47.174	550	5.766		2.028	10.531	559	5.837	
	10.329		551			1.469		560		
	9.778		1101			0.909		1.119		
6	30.986	10.329		6.867	1	4.406	1.469		6.954	
	10.535		552			2.252		556		
	10.283		550			1.696		558		
	9.733		1.102			1.138		1.114		
7	30.851	10.284		7.969	1	5.086	1.695		8.068	
	10.527		559			1.827		536		
	9.968		559			1.291		536		
	9.409		1.118			0.755		1.072		
8	29.904	9.968		9.087	1	3.873	1.291		9.140	
	11.842		594			1.827		608		
	11.248		593			1.219		607		
	10.655		1.187			0.612		1.215		
9	33.745	11.248		10.274	1	3.658	1.219		10.355	
	11.313		672			2.118		673		
	10.641		673			1.445		674		
	9.968		1.345			0.771		1.347		
10	31.922	10.641		11.619	1	4.834	1.445		11.708	
		99.644				3	17.650			

F.B. 2281 P.G. 101

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather CLEARING FOG Inst. No. NR 142552
Notes by G. E. DREIER Time 8:15 TO 9:55 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~0301.02~~ 0021.64
From B.M. 34-15 To B.M. 34-13
Date 6-25-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7.375	99.644	300	11.619		3.983	17.650	298	11.70~~2~~4	
	7.075		301			3.685		297		
	6.774		601			3.388		595		
11	21.224	7.075		12.220		11.056	3.685		12.29~~8~~9	
	11.069		629			1.805		5~~6~~64		
	10.440		627			1.241		565		
	9.813		1.256			0.676		1.129	428	
12	31.322	10.44~~0~~1		13.476		3.722	1.241		13.5~~26~~	
	9.907		400			1.516		403		
	9.507		399			1.113		401		B.M. 34-13 (U.S. 4131, V-787, 1946
	9.108		799			0.712		804	232	PALOS VERDES DR. S., 0.5 MI. W. OF
13	28.522	9.507		14.275		3.341	1.114		14.~~330~~	PALOS VERDES DRIVE E.
										SEE F.B. 1355-18 FOR DESC.
										SUMMATION OF RUN B.M. 34-15 TO B.M. 34-13
										TOTAL BACKSIGHTS +126.66~~6~~7
										TOTAL FORESIGHTS - 23.690
										DIFF IN ELEVATION + 102.97~~6~~7
		126.66~~6~~7					23.690			

F.B. 2281 P.G. 102

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather FOGGY Inst. No. NC142552
Notes by G.E. DREIER Time 8:45 TO 9:10 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0021.64
From B.M. 34-15 To B.M. 50-13
Date 6-24-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.138 5.479 4.820 16.437	5.479	659 659 1.318	1.318	65°	6.991 6.341 5.693 19.025	6.342	650 648 1.298	1.298	B.M. 34-15 PALOS VERDES DR. S. & YACHT HARBOR DR. SEE F.B. 1355-19 FOR DESC
2	4.559 3.908 3.254 11.721	3.907	651 654 1.305	2.623		6.681 6.031 5.382 18.094	6.031	650 649 1.299	2.597	J. MOODY
3	5.587 4.937 4.283 14.807	4.936	650 654 1.304	3.925		7.338 6.679 6.019 20.034	6.678	659 660 1.319	3.916	
4	5.081 4.424 3.768 13.273	4.424	657 656 1.313	5.238		7.393 6.745 6.097 20.235	6.745	648 648 1.296	5.210	
5	4.830 4.178 3.527 12.535	4.178	652 651 1.303	6.543		8.668 8.018 7.368 24.054	8.018	650 650 1.300	6.512	
		22.924					33.814			

F.B. 2281 P.G. 103

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather FOGGY Inst. No. Nr 14552
Notes by G. E. DREIER Time 8:45 to 9:10 Rod No. 11 812

Name L.A. CO. PRECISE LEVEL NET
Job No. ~~030162~~ 0021.64
From B.M. 34-15 To B.M. 50-13
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3.446	22.924	654	6.54	3	7.857	33.814	652	6.51	
	2.792		652			7.205		650		
	2.140		1.306	9		6.555		1.302	4	
6	8.378	2.793		7.84		21.617	7.206		7.81	
	4.125		650			7.464		652		SUMMATION OF RUN
	3.475		653			6.812		654		B.M. 34-15 TO B.M. 50-13
	2.822		1.303	2		6.158		1.306	20	TOTAL BACKSIGHTS +38.454
7	10.422	3.474		9.158		20.434	6.811		9.18	TOTAL FORESIGHTS -59.781
	4.793		654			7.289		648		DIFF IN ELEVATION -21.327
	4.139		654			6.641		647		
	3.485		1.308	10		5.992		1.297	7	
8	12.417	4.139		10.458		19.922	6.641		10.415	
	5.539		414			5.768		459		
	5.125		416			5.309		458		B.M. 50-13
	4.709		830	90		4.851		917	4	PALOS VERDES DR. S. &
9	15.373	5.124		11.288		15.928	5.309		11.338	CRENSHAW BLVD
									90	
									11.288	SEE F.B. 1355-19 FOR DESC.
									22.628	
									= 0.43m	

F.B. 2281 P.G. 104

38.454 59.781

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather LIGHT FOG Inst. No Nr 142552
Notes by T. OHASHI Time 7:40 To 8:10 Rod No 11 & 12

Name L.A. CO. PRECISE LEVEL NET
Job No 0021.64
From B.M. 50-13 To B.M. 34-15
Date 6-25-57
Indexed K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5945		444		#11	5747		430		B.M. 50-13
	5501		443			5317		430		BLVD
	5058		887			4887		860		PALOS VERDES DR. S. & CRENSHAW
1	16.504	5501		887		15.951	5.317		860	SEE F.B. 2400-22 FOR DESC.
	7338		650			4837		651		
	6688		652			4186		649		
	6036		1302			3537		1300		
2	20.062	6.687		2189		12.560	4.187		2166	J. MOODY
	7736		657			4392		656		
	7079		657			3742		650		
	6422		1314			3092		1300		
3	21.237	7.079		3553		11.226	3.742		3460	
	8311		641			3921		664		
	7670		641			3257		665		
	7029		1282			2592		1329		
4	23.015	7.670		4785		9.770	3.257		4789	
	8542		650			4702		650		
	7892		653			4052		651		
	7239		1303			3401		1301		
5	23.673	7.891		6088		12.155	4.052		6090	
		34828					20555			

F.B. 2281 P.G. 105

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather LIGHT FOG Inst. No. Nr 142552
Notes by T. OHASHI Time 7:40 TO 8:10 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~030702~~ 0021.64
From BM 50-13 To BM 34-15
Date 6-25-57
Indexed ~~E.~~ C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7223	34.828	648	6088		4911	20.555	657	6090	
	6575		651			4254		656		
	5924		1299			3598		1313		
6	19.722	6.574		7387		12.763	4.254		7403	
	7278		659			5525		649		SUMMATION OF RUN
	6619		660			4876		650		BM 50-13 TO BM 34-15
	5959		1319			4226		1299		TOTAL BACKSIGHT + 60.761
7	19.856	6.619		8706		14.627	4.876		8702	TOTAL FORESIGHT - 39.436
	7152		649			5032		655		DIFF. IN ELEV. + 21.325
	6503		650			4377		657		
	5853		1299			3720		1312		
8	19.508	6.503		10.005		13.129	4.376		10.014	
	6883		645			6045		670		
	6238		647			5375		670		BM. 34-15
	5591		1292			4705		1340		PALOS VERDES DR. S. & YACHT
9	18.712	6.237		11297		16.125	5375		11354	HARBOR DR.
										SEE F.B. 1355-19 FOR DESC.
		60.761					39.436			

F.B. 2281 P.G. 106

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NC 14552
Notes by G. E. DREIER Time 9:10 TO 10:00 Rod No. 11 & 12

Name PORTUGUES BEND L.A. CO. PRECISE LEVEL NET
Job No. 002164
From B.M. 50-13 To B.M. 34-17A
Date 6-24-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.381		650		#11	8.835		654		B.M. 50-13
	3.731		651			8.181		652		PALOS VERDES DR. S. &
	3.080		1.301			7.529		1.306		CRENSHAW BLVD.
1	11.192	3.731		1.301	68°	24.545	8.182		1.306	SEE F.B. 2400-22 FOR DESC
	6.101		379			9.132		388		
	5.722		378			8.744		388		J. MOODY
	5.344		757			8.356		776		
2	17.167	5.722		2.058		26.232	8.744		2.082	
	6.191		624			7.905		647		T.B.M. #15
	5.567		624			7.258		649		
	4.943		1.248			6.609		1.296		
3	16.701	5.567		3.306		21.772	7.257		3.378	
	4.030		649			9.459		649		
	3.381		648			8.810		651		
	2.733		1.297			8.159		1.300		
4	10.144	3.381		4.603		26.428	8.809		4.678	
	3.973		648			7.390		652		
	3.325		648			6.738		653		
	2.677		1.296			6.085		1.305		
5	9.975	3.325		5.899		20.213	6.738		5.983	
	21.726					39.730				

F.B. 2281 P.G. 107

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather Foggy Inst. No. Nr. 142552
Notes by G. E. DREIER Time 9:10 TO 10:00 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02 0021.64
From B.M. 50.15 To B.M. 34-17A
Date 6-24-57
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.928	21.726	653	5.899		5.710	39.730	647	5.983	
	4.275		653			5.063		647		
	3.622		1,306			4.416		1,294		
6	12.825	4.275		7.205	✓	15.189	5.063		7.277	
	5.047		656			5.739		649		
	4.391		658			5.090		650		
	3.733		1,314			4.440		1,299		
7	13.171	4.390		8.519	✓	15.269	5.090		8.576	
	7.585		347			4.425		349		
	7.238		347			4.076		349		
	6.891		694			3.727		698		
8	21.714	7.238		9.213	✓	12.228	4.076		9.274	
	10.785		276			4.306		285		
	10.509		277			4.021		284		
	10.232		553			3.737		569		
9	31.526	10.509		9.766	✓	12.064	4.021		9.543	BM. "D"
	3.066		630			4.888		647		
	2.436		629			4.241		649		
	1.807		1259			3.592		1296		
10	7.309	2.436		11.025	✓	12.721	4.240		11.139	
			50.574 ✓					62.220 ✓		

F.B. 2281 P.G. 108

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE.

Chief of Party G. E. DREIER Weather THIN FOG Inst. No Nr. 142552
Notes by G. E. DREIER Time 9:10 To 10:00 Rod No 11 & 12

Name PORTUGUESE BEND C.A. CO. PRECISE LEVEL NET
Job No 0021.64
From B.M 50-13 To B.M. 34-17A
Date 6-24-57
Indexed K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7.378	50.574	651	11.025		4.619	62.220	648	11.139	
	6.727		652			3.971		649		
	6.075		1,303			3.322		1.297		
11	20.180	6.727		12.328		11.912	3.971		12.436	
	5.821		674			7.407		617		
	5.147		676			6.790		619		SUMMATION OF RUN
	4.471		1.350			6.171		1.236		B.M. 50-13 TO B.M. 34-17A
12	15.439	5.146		13.678		20.368	6.789		13.672	TOTAL BACKSIGHTS + 76.022
	4.369		644			6.576		654		TOTAL FORESIGHTS - 89.816
	3.725		645			5.922		651		DIFF. IN ELEVATION - 13.794
	3.080		1.289			5.271		1.305		
13	11.174	3.725		14.967		17.768	5.923		14.977	
	6.361		650			5.581		648		
	5.711		651			4.933		646		
	5.060		1.301			4.287		1.294		
14	17.132	5.711		16.268		14.801	4.934		16.271	
	4.851		713			6.691		713		
	4.138		711			5.978		709		B.M 34-17A
	3.427		1.424			5.269		1422		PALOS VERDES DRS. & PEPPERTREE RD
15	12.416	4.139		17.692		17.938	5.979		17.673	SEE F.B. 1355-44 FOR DESC.
		76.022					89.816		17.692	
									35.385	
									= 0.67 mi.	

F.B. 2281 P.G. 109

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather SCATTERED CLOUDS BREEZE Inst. No NR 142552
Notes by G. E. DREIER Time 1:55 TO 2:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~030102~~ 002164
From B.M. 34-17A To B.M. 50-13
Date 6-24-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.738		707		#11	4.902		712		B.M. 34-17A
	6.031		709			4.190		714		PALOS VERDES DR. S. &
	5.322		1.416			3.476		1.426		PEPPERTREE DR.
1	18.091	6.030		1.416	75°	12.568	4.189		1.426	SEE F.B. 1355-44 FOR DESC.
	5.595		646			6.379		651		
	4.949		647			5.728		650		
	4.302		1.293			5.078		1.301		T J. MOODY
2	14.846	4.949		2.709		17.185	5.728		2.727	
	6.623		650			4.422		644		
	5.973		651			3.778		645		
	5.322		1.301			3.133		1.289		
3	17.918	5.973		4.010		11.333	3.778		4.016	
	7.348		643			5.712		652		
	6.705		646			5.060		648		
	6.059		1.289			4.412		1.300		
4	20.112	6.704		5.299		15.184	5.061		5.316	
	4.585		650			7.342		650		
	3.935		650			6.692		652		
	3.285		1.300			6.040		1.302		
5	11.805	3.935		6.599		20.074	6.691		6.618	
			27.591					25.447		

F.B. 2281 PG. 120

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather SCATTERED CLOUDS BREEZE Inst. No. NK 142552 Name L. A. CO. PRECISE LEVEL NET
Notes by G. E. DREIER Time 1:55 TO 2:30 Rod No. 11 & 12 Job No. 0021.64
From B.M. 34-17A To B.M. 50-13
Date 6-24-57
Indexed L. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.822	27.591	651	6.599		2.991	25.447	624	6.618	
	4.171		653			2.367		624		
	3.518		1,304			1.743		1248		
6	12.511	4.170		7.903		7.101	2.367		7.866	B.M. "D"
	4.307		281			10.794		278		
	4.026		280			10.516		279		
	3.746		561			10.237		557		
7	12.079	4.026		8.464		31.547	10.516		8.423	
	11.397		349			7.559		350		
	4.048		350			7.209		350		
	3.698		699			6.859		700		
8	12.143	4.048		9.163		21.627	7.209		9.123	
	5.7[illegible]		649			5.023		654		
	5.068		650			4.369		657		
	4.418		1299			3.712		1311		
9	15.203	5.068		10.462		13.104	4.368		10.434	
	5.634		650			4.843		648		
	4.984		651			4.195		648		
	4.333		1301			3.547		1296		
10	14.951	4.984		11.763		12.585	4.195		11.730	
		49.887					54.102			

F.B. 2281 P.G. 121

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather SCAT. CLOUDS BREEZE Inst. No. Nr. 142552
Notes by G. E. DREIER Time 1:55 TO 2:30 Rod No. 11 & 12

Name L.A. CO. PRECISE LEVEL NET
Job No. ~~2301-02~~ 0021.64
From B.M. 34-17A To B.M. 50-13
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.411	49.887	653	11.763		3.999	54.102	651	11.730	
	6758		652			3.348		650		
	6106		1.305			2.698		1.301		
11	20.275	6.758		13.068	1	10.045	3.348		13.031	SUMMATION OF RUN
	9.430		652			3997		648		B.M. 34-17A TO B.M. 50-13
	8.778		650			3.349		648		TOTAL BACKSIGHTS +89.679
	8.128		1.302			2701		1.296		TOTAL FORESIGHTS -75.892
12	26.336	8.779		14.370	1	10.047	3.349		14.327	DIFF IN ELEVATION +13.787
	7.910		639			6.213		633		
	7.271		640			5.580		632		
	6.631		1.279			4.948		1265		
13	21.812	7.271		15.649	1	16.741	5.580		15.592	T.B.M. # 15
	9142		388			6.109		377		
	8.754		389			5.732		378		
	8.365		777			5.354		755		
14	26.261	8.754		16.426	1	17.195	5.732		16.347	
	8868		639			4.447		665		B.M. 50-13
	8.229		637			3.782		667		PALOS VERDES DR. S & CRENSHAW BLVD.
	7.592		1.276			3.115		1.332		SEE F.B. 2400-22 FOR DESC.
15	24.689	8.230		17.702	1	11.344	3.781		17.679	
		89.679					75.892			

F.B. 2281 P.G. 22

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. Nr 142552
Notes by J. Moody Time 10:00 TO 11:30 Rod No. 11 812

Name PORTUGUESE BEND L.A. CO. PRECISE LEVEL NET
Job No. ~~030102~~ 0021.64
From B.M. 34-17A To B.M. 34-18
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5937		651		#11	5750		648		B.M. 34-17A DR
	5286		652			5102		645		PALOS VERDES DR. S. & PEPPERTREE
	4634		1303			4457		1293		SEE F.B. 1355-44 FOR DESC
1	15.857	5.286		1303	68°	15.309	5.103		1293	
	7017		638			5707		640		⊼ G.E. DREIER
	6379		638			5067		639		
	5741		1276			4428		1279		
2	19.137	6.379		2579		15.202	5.067		2572	
	5916		677			7840		653		
	5239		677			7187		655		
	4562		1354			6532		1308		
3	15.717	5.239		3933		21.559	7.186		3880	/
	3911		688			10343		695		
	3223		685			9648		696		
	2538	/	1373			8952		1391		✓
4	9.672	3.224		5306		28.943	9.648		5271	
	1531		612			11.943		608		
	1919		611			11.335		607		
	0308		1223			10.728		1215		✓
5	2.758	0.919		6529	✓	34.006	11.335		6486	
	21.047					38.339				

F.B. 2281 P.G. 123

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No NR142552
Notes by J. MOODY Time 10:00 to 10:25 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~6361.02~~ 0021.64
From BM 34-17A To BM 34-18
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1537	21.0467	384	6529		10603	38.339	408	6481	
	1153		383			10195		408		
	0770		767			9787		816		
6	3460	1.153		7296		30585	10.195		7292	
	5964		194			5026		173		BM 34-18
	5770		193			4853		173		PALOS VERDES DR. S. & NARCISSA DR.
	5577		387			4680		346		SEE F.B. 1355-22 FOR DESC
7	17311	5.770		7683		14559	4.853		7638	
									7683 15.3 ~~21~~ =0.29 m	
										SUMMATION OF RUN
										B.M. 34-18 TO B.M. 34-17A 70
										TOTAL BACKSIGHTS +27.969
										TOTAL FORESIGHTS -53.387
										DIFF IN ELEVATION -25.4187
	27.969 (70)					53.387				

F.B. 2281 P.G. 124

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NR 142552
Notes by J. MOORE Time 1:35 to 1:55 Rod No. 11 & 12

Name PORTUGUESE BEND L.A. CO. PRECISE LEVEL NET
Job No. ~~0301.02~~ 0021.64
From BM 34-18 To BM 34-17A
Date 6-24-57 C. Johnson
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5038		175		#11	5972		193		BM 34-18
	4863		176			5779		192		PALOS VERDES DR. S. & NARCISSA DR
	4687		351			5587		385		SEE C.B. 1355-22 FOR DESC.
1	14588	4.863		351	76°	17338	5.779		385	
	10487		403			1432		390		TO G.E. DREIER
	10084		401			1042		391		
	9683		804			0651		881		
2	30254	10.085		1155		3125	1.042	7	1166	
	11838		608			1423		611		
	11230		608			0812		610		
	10622		1216			0202		1221	3	
3	33690	11.230		2371		2438	0.813		2287	
	10231		682			3824		698		
	9549		682			3126		699		
	8867		1364			2427		1397	7	
4	28647	9.549		3735		9377	3.126		3684	
	7704		656			5772		673		
	7048		658			5099		671		
	6390		1314	5		4428		1344	51	
5	21142	7.047		4049		15299	5.100		4028	
	42774					15860				

F.B. 2281 P.G. 125

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NR 142552
Notes by J. MOODY Time 1:35 to 1:55 Rod No. 11 & 12

Name L.A. CO. PRECISE LEVEL NET
Job No. ~~030102~~ 0021.64
From BM 34-18 To BM 34-17A
Date 6-24-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5499	42.774	632	6049		6819	15.860	642	4428	
	4867		636			6177		644		
	4231		1268	6317		5533		1286	6414	
6	14597	4866		~~5317~~		18529	6.176		~~5714~~	
	5795		648			5982		651		BM 34-17A
	5147		649			5331		651		PALOS VERDES DR. S. & PEPPERTREE DR.
	4498		1297			4680		1302	7716	SEE F.B. 1355-44 FOR DESC.
7	15440	5147		~~6614~~		15993	5.331		~~6676~~	
										SUMMATION OF RUN
										BM 34-18 TO BM 34-17A
										TOTAL BACKSIGHT + 52.787
										TOTAL FORESIGHT - 27.367
										DIFF IN ELEV. + 25.420
		52.787					27.367			

F.B. 2281 P.G. 126

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NR 142552
Notes by J. MOODY Time 10:25 to 11:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~0030162~~ 0021-64
From BM 34-18 To BM 34-21
Date 6-24-57
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1827		487		#11	10298		532		BM 34-18
	1340		487			9766		534		PALOS VERDES DR. S. & NARCISSA DR.
	0853		974			9232		1066		SEE F.B. 1355-22 FOR DESC.
1	40 20	1340		974		29 29	9766		1066	
	3522		651			6554		640		* G. E. DREIER
	2871		650			5914		641		
	2221		1301			5273		1281		
2	86 14	2871		2275		17 74	5914		2347	
	7432		647			4924		651		
	6785		648			4273		651		
	6137		1295			3622		1302		
3	35 54	6785		3570		28 19	4273		3649	
	6852		672			5421		634		
	6180		671			4787		636		
	5509		1343			4151		1270		
4	18 54	6180		4913		14 35	4786		4919	
	7049		640			5907		647		
	6409		640			5260		647		
	5769		1280			4613		1294		
5	19 22	6409		6193		15 78	5260		6213	
	23.585					29.998				

F.B. 2281 P.G. 127

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No N.R. 142552
Notes by J. MOODY Time 10:25 to 11:30 Rod No 11812

Name L. A. CO. PRECISE LEVEL NET
Job No ~~0301.02~~ 0021.64
From BM 34-18 To BM 34-21
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7332	23.585	658	6193		4978	21.998	640	6213	
	6674		686			4338		641		+37.137
	6018		1314			3697		1281		-38.767
6	20024	6.675		7507		13013	4.338		7494	-1.630
	7519		642			5073		642		
	6877		641			4431		642		T.B.M. #31
	6236		1283			3789		1284		
7	20632	6.877		8790		13293	4.431		8778	
	4991	37.137	253			4187	38.767	270		BM "F"
	4738		251			3917		270		PALOS VERDER DR. S. & THE
	4487		504			3647		540		WAYFAIR, CHAPEL DR.
8	14216	4.739		9294		11751	3.917		9318	
		-3.917							9.294	
		+0.822							18.612	
									= 0.35 mile ✓	
	6171		658			5699		646		
	5513		656			5053		643		
	4857		1314			4410		1289		
9	16541	5.514		10609		15162	5.054		10607	

F.B. 2281 P.G. 128

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUES BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NR142552
Notes by J. MOODY Time 10:25 to 11:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~0301.02~~ 0021.64
From BM 34-18 To BM 34-21
Date 6-24-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6646	5.514	655	10.608		5538	5.054	650	10.607	
	5991		652			4888		649		
	5339		1307			4239		1299		
10	17976	5.992		11915		14665	4.888		11906	
	7071		650			3936		652		
	6421		650			3284		652		
	5771		1300			2632		1304		
11	19263	6.421		13215		9.852	3.284		13210	
	9239		650			2632		650		
	8589		651			1982		650		
	7938		1301			1332		1300		
12	25766	8.589		14516		5946	1.982		14510	
	9119		503			1635		502		
	8616		504			1133		501		
	8112		1007			0632		1003		
13	25847	8.616		15523		3400	1.133		15513	
	9606		324			1065		322		
	9282		323			0743		322		
	8959		647			0421		644		
14	27847	9.282		16170		2229	0.743		16157	
		44.414					17.084			

F.B. 2281 P.G. 129

76P526 S & E #379 1-54

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

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

JMM

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No NR 142552
Notes by J. MOODY Time 10.25 to 11.30 Rod No. 11 & 12

Name L.A. CO. PRECISE LEVEL NET
Job No ~~0030102~~ 0021.64
From BM 34-18 To BM 34-21
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	10774	44.414	396	16.170		1041	17.084	401	16.157	
	10378		395			0640		403		
	9983		791			0237		804		
15	31135	10.378		16961		1918	0.639		16961	
	11.230		412			1105		386		
	10818		413			0719		387		
	10405		825			0332		773		
16	32453	10.818		17786		2156	0.719		17734	
	10776		394			0998		370		
	10382		392			0628		370		
	9990		786			0258		740		
17	31148	10.383		18572		1884	0.628		18474	
	11.795		452			1345		476		
	11.343		452			0869		473		
	10891		904			0396		949		
18	34029	11.343		19476		2610	0.870		19423	
	10983		428			3458		433		
	10555		429			3025		433		
	10126		857			2592		866		
19	31664	10.555		20333		9075	3.025		20289	
	97891					22965				

F.B. 2281 P.G. 130

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No NR142552
Notes by J. MOODY Time 10:25 to 11:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~0301.02~~ 0021.64
From BM 34-18 To BM 34-21
Date 6-24-57
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	9430	97.891	643	20.333		7259	22.965	683	20.289	
	8787		643			6576		685		
	8144		1286			5891		1368		
20	26361	8.787		21619		19726	6.575		21657	
	3823		672			9761		666		
	3151		673			9095		664		
	2478		1345			8431		1330		
21	9452	3.151		22964		27287	9.096		22987	
	3423		501			5989		502		+ 118.795
	2922		499			5487		501		- 51.436
	2423		1000			4986		1003		DIFF. B.M. "F" TO B.M. 34-21 + 67.359
22	8768	2.923		23964		16462	5487		23990	
	6523		480			7778		466		BM. 34-21
	6043		480			7312		462		PALOS VERDES DR. S. & PACKET
	5563		960			6850		928		SEE F.B. 1355-25 FOR DESC.
23	18129	6.043		24924		21940	7.313		24918	
		118.795					51.436		24.924	
									-49.842	
									=0.94 mi.	

F.B. 2281 PG. 131

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN fog Inst. No NR142552
Notes by J. MOODY Time 12:35 to 1:35 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~030102~~ 0021.64
From BM 34-21 To BM 34-18
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7842		465		#11	6589		482		BM 34-21
	7377		465			6107		483		PALOS VERDES DR. S. & PACKET RD.
	6912		930			5624		965		SEE F.B. 1355-25 FOR DESC.
1	22131	7.377		930	70°	18320	6.107		965	
	6089		511			3502		486		⊼ G.E. DREIER
	5578		510			3016		489		
	5068		1021			2527		975		
2	16735	5.578		1951		9045	3.015		1940	
	8882		645			2958		664		
	8237		644			2294		663		
	7593		1289			1631		1327		
3	24712	8.237		3240		6883	2.294		3267	
	6750		651			8960		650		
	6099		648			8310		648		
	5451		1299			7662		1298		
4	18300	6.100		4539		24932	8.311		4565	
	2850		397			10386		402		
	2453		394			9984		401		
	2059		791			9583		803		
5	7362	2.454		5330		29953	9.984		5368	
		29.746					29.711			

F.B. 2281 P.G. 132

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NR142552
Notes by J. MOODY Time 12:35 to 1:35 Rod No. 11 & 12

Name L.A. CO. PRECISE LEVEL NET
Job No. ~~0301.02~~ 0021.64
From BM 34-21 To BM 34-18
Date 6-24-57
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1437	29.746	456	5.330		11.917	29.711	464	5.368	
	0981		458			11.453		465		
	0523		914			10.988		929		
6	2941	0.980		6244	/	34358	11.453		6297	/
	1298		365			11090		400		
	0933		363			10690		400		
	0570		728			10290		800		
7	2801	0.934		6972	/	32070	10.690		7097	/
	1112		380			11247		416		
	0732		381			10831		417		
	0351		761			10414		833		
8	2195	0.732		7733	/	32492	10.831		7930	/
	1233		403			10963		393		
	0830		404			10570		392		
	0426		807			10178		785		
9	2489	0.830		8540	/	31711	10.570		8715	/
	1232		321			9771		323		
	0911		320			9448		321		
	0591		641			9127		644		
10	2734	0.911		9181	/	28346	9.449		9359	✓
		34.133					82.704	✓		

F.B. 2281 P.G. 133

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NR142552
Notes by J. MOODY Time 1235 to 1138 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. ~~030102~~ - 0021.64
From BM 34-21 To BM 34-18
Date 6-24-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1629	34.133	525	9181		9063	82.704	476	9359	
	1104		526			8587		476		
	0578		1051			8111		952		
11	3311	1.104		10232		25761	8587		10311	
	2478		662			9060		637		
	1816		663			8423		636		
	1153		1325			7787		1273		
12	5447	1.816		11557		25270	8423		11584	
	3984		649			7123		651		
	3335		649			6472		653		+ 50.042
	2686		1298			5819		1304		- 117.402
13	10005	3.335		12855		19414	6471		12888	- 67.360
	5273		654			6375		653		
	4619		657			5722		654		
	3962		1311			5068		1307		
14	13854	4618		14166		17165	5722		14195	
	5698		661			6138		643		
	5037		664			5495		643		
	4373		1325			4852		1286		
15	15108	5.036		15491		16485	5495		15481	
		50.042					117.402			

F.B. 2281 P.G. 134

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NR142552
Notes by J. MOODY Time 12:35 to 1:35 Rod No. 11 & 12

Name F.A. CO. PRECISE LEVEL NET
Job No. ~~030102~~ 0021.64
From BM 34-2' To BM 34-18
Date 6-24-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
				15.491					15.481	BM. 4 PALOS VERDES DR. S. & WAYFARE CHAPEL
16	4267 3987 3708 11962	3.987	280 279 559	16050		5067 4807 4546 14420	4.807	260 261 521	16002	T.B.M. #31
17	5007 4361 3717 13085	4.362	646 644 1290	17340		7448 6810 6171 20429	3.987 +0.820 6.810	638 639 1277	17279	
18	4884 4243 3602 12729	4.243	641 641 1282	18622		7238 6580 5922 19740	6.580	658 658 1316	18595	
19	5693 5047 4397 15137	5.046	646 650 1296	19918		6832 6193 5554 18579	6.193	639 639 1278	19873	
		13.651					19.583			

F.B. 2281 P.G. 135

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND

Chief of Party G. E. DREIER Weather THIN FOG Inst. No. NR 142552
Notes by J. MOODY Time 12:35 to 1:35 Rod No. 11 & 12

Name L.A. CO. PRECISE LEVEL NET
Job No. ~~0301.02~~ 0021.64
From BM 34-21 To BM 34-18
Date 6-24-57
Indexed K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5359	13.651	648	19.918		6764	19.583	657	19.873	
	4711		648			6107		657		
	4063		1296			5450		1314	21.187	
20	4133	4711		20214		18321	6107		~~20187~~	
	4808		648			7322		652		
	4160		649			6670		652		
	3511		1297			6018		1304		
21	12479	4160		21511		20010	6670		~~21491~~	
	6512		634			3493		656		
	5878		630			2837		658		
	5248		1264			2179		~~1297~~ 1314	23805	
22	17638	5879		22775		8509	2836		~~22785~~	
	10343		544			1862		489		BM 34-18
	9799		542			1373		490		PALOS VERDES DR. S. &
	9257		1086			0883		979	24784	NARCISSA DR.
23	29399	9.800		23861		4118	1373		~~23764~~	SEE F.B. 1355-22 ~~FOR DESC~~
		38.201					36.569			

F.B. 2281 P.G. 136

+ 38.201
- 36.569
1.632

SUMMATION OF RUN.
DIFF. IN ELEV. BM. 34-21 TO B.M. "F"
" " " " "F" TO T.B.M. #31

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather PART SUNNY PART FOGGY PART WINDY Inst. No NR142552
Notes by G. E. DREIER Time 8:45 TO 11:00 Rod No 11 & 12

Name PORTUGUESE BEND LANDSLIDE
Job No. 0021.64
From B.M. 34-21 To B.M. 34-26
Date 7-5-57
Indexed A. C. Johnson 7-10-57

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	10.305		287		# 11	3.085		262		B.M. 34-21
	10.018		286			2.823		263		PALOS VERDES DR. S. & PACKET RD.
	9.732		573			2.560		525		SEE F.B. 1355-25 FOR DESC.
1	30.055	10.018		.573		8.468	2.823		.525	
	11.691		226			0.721		265		
	11.465		225			0.466		265		
	11.240		451			0.201		530		
2	34.396	11.465		1.024		1.398	0.466		1.055	T J. MOODY
	9.379		512			2.061		500		
	8.867		512			1.561		503		
	8.355		1024			1.058		1003		
3	26.601	8.867		2.048		4.680	1.560		2.058	
	6.989		627			8.652		617		
	6.362		624			8.035		617		
	5.738		1251			7.418		1234		
4	19.089	6.363		3.299		24.105	8.035		3.292	
	2.021		610			8.774		629		
	1.411		611			8.145		628		
	0.800		1221			7.517		1257		
5	4.232	1.411		4.520		24.436	8.145		4.549	
		38.124					21.029			

F.B. 2281 P.G. 137

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather BREEZE MOSTLY CLEAR Inst. No. Nr. 142552
Notes by G. E. DREIER Time 8:45 TO 11:00 Rod No. 11 & 12

Name PORTUGUESE BEND LANDSLIDE
Job No. 0021.64
From B.M. 34-21 To B.M. 34-21
Date 7-5-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2732	38.124	505	4520		8972	21.029	607	~~4.449~~ 4549	
	2227		505			8365		607		
	1.722		1.010			7.758		1214		
6	6.681	2.227		5530		25.095	8.365		5.663	
	2.129		624			10.330		618		
	1.505		626			9.712		619		
	0.879		1.250			9.093		1.237		
7	4.513	1.504		6.780		29.135	9.712		7000 ~~6900~~	
	1.879		516			8.889		494		
	1.363		513			8.395		495		
	0.850		1.029			7.900		989		
8	4.092	1.364		7.809		25.184	8.395		7.889	
	2.541		622			6.088		617		
	1.919		621			5.471		618		
	1.298		1.243			4.853		1.235		
9	5.758	1.919		9.052		16.412	5.471		9.224	
	7.882		601			3.588		593		
	7.281		602			2.995		593		
	6.679		1203			2.402		1.186		
10	21.842	7.281		10.255		8.985	2.995		10.310	
		52.419					55.967			

F.B. 2281 P.G. 138

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather WINDY Inst. No. Nr 142552
Notes by G. E. DREIER Time 8:45 TO 11:00 Rod No. 11 & 12

Name ~~L. A. CO. PRECISE LEVEL NET~~ PORTUGUESE BEND LANDSLIDE
Job No. 0021.64
From BM 34-21 To B.M. 34-26
Date 7-5-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8.767	52.419	529	10.255		5.150	55.967	511	10.8 4 10	
	8.238		528			4.639		512		+60.657
	7.710		1.057			4.127		1023		-60.606
11	24.715	8.238		11.312		13.916	4.639		11.8 4 33	+0.053
		60.657					60.606			B.M. 34-23 (U.S. 2888, Z-168, 1933) PALOS VERDES DR. S. 0.45 mi. W. OF PACKET ROAD SEE F.B. 1355-26 FOR DESC.
	2.832		427			11.515		443		
	2.405		427			11.072		443		
	1.978		854			10.629		886		
12	7.215	2.405		12.166		33.216	11.072		12.3 19	
	1.553		401			8.981		403		
	1.152		401			8.578		402		
	0.751		802			8.176		805		
13	3.456	1.152		12.968		25.735	8.578		13.1 24	
	1.913		402			9.230		408		
	1.511		403			8.822		408		
	1.108		805			8.414		816		
14	4.532	1.511		13.773		26.466	8.822		13.9 8 40	
		5.068					28.472			

F.B. 2281 P.G. 139

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather WINDY Inst. No. 142552
Notes by G. E. DREIER Time 8:45 TO 11:00 Rod No. 11 & 12

Name PORTUGUESE BEND LANDSLIDE
Job No. 0021.64
From BM 34-21 To B.M. 34-26
Date 7-5-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1.870	5.068	389	13.793		8.622	28.472	390	13.840	
	1.481		388			8.232		390		
	1.093		777			7.842		780		+6.549
15	4.444	1.48 N		14.550		24.696	8.232		14.620	-36.704
		6.549					36.704			-30.155
										RD. DEPT. B.M. ? PALOS VERDES DR. S. & E. TO MARINELAND OF PAC ENTRANCE & EXIT, B.M. NAIL IN LEAD IN CURB ON N. SIDE OF CIRCULAR PLANTING AREA
	1.638		520			10.072		489		
	1.118		521			9.583		488		
	0.597		1041			9.095		977		
16	3.353	1.118		15.591		28.750	9.583		15.597	
	1.405		488			9.615		520		
	0.917		489			9.095		520		
	0.428		977			8.575		1040		
17	2.750	0.917		16.568		27.285	9.095		16.637	
	3.733		622			6.239		617		
	3.111		623			5.622		617		
	2.488		1245			5.005		1234		
18	9.332	3.111		17.813		16.866	5.622		17.871	
		5.146					24.300			

F.B. 22.8 / P.G. 140

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE.

Chief of Party: G. E. DREIER Weather: WINDY Inst. No: Nr. 142552
Notes by: G. E. DREIER Time: 8:45 70 11:00 Rod No.: 11 & 12

Name: PORTUGUESE BEND LANDSLIDE ~~L.A. CO. PRECISE LEVEL NET~~
Job No: 0021.64
From: B.M. 34-21 To: B.M. 34-26
Date: 7-5-57
Indexed: K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.489	5.146	621	17.813		10.458	24.300	620	17.871	
	3.868		620			9.833		621		
	3.248		1.241			9.217		1.241		
19	11.605	3.868		19.054		29.513	9.837		19.812	
	1.121		388			10.362		410		
	0.733		390			9.952		410		
	0.343		778			9.542		820	20.032	
20	2.197	0.732		19.832		29.856	9.952		~~19.832~~	
	1.085		387			8.634		418		
	0.698		389			8.216		419		
	0.309		776			7.797		837		
21	2.092	0.697		20.608		24.647	8.216		20.869	
	3.619		624			7.725		620		
	2.995		625			7.105		621		
	2.370		1.249			6.484		1.241		
22	8.984	2.995		21.857		21.314	7.105		22.810	
	4.872		529			6.729		481		
	4.343		530			6.248		481		
	3.813		1.059			5.767		962	23.072	
23	13.028	4.343		22.916		18.744	6.248		~~23.972~~	
	17.781					65.658				

F.B. 2281 P.G. 141

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: G. E. DREIER Weather: WINDY-FOG Inst. No: Nr. 142552
Notes by: G. E. DREIER Time: 8:45 TO 11:00 Rod No.: 11 & 12

Name: PORTUGUESE BEND LANDSLIDE
Job No: 002164
From: B.M. 34-21 To: B.M. 34-26
Date: 7-5-57
Indexed: C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.515	17.781	314	22.916		6.722	6.658	327	~~22.972~~ 23.072	
	5.201		315			6.400		328		
	4.886		629			6.078		.655		
24	15.602	5.201		23.545		19.217	6.406		23.627	
		22.982					.7206 A			
	5.993		621			5.139		621		
	5.372		621			4.518		621		
	4.751		1242			3.897		1242		
25	16.116	5.372		24.787		13.554	4.518		24.969	
	7.143		403			2.514		403		
	6.740		402			2.111		400		
	6.333		805			1.711		.803		
26	20.221	6.740		25.592		6.336	2.112		25.772	
	10.055		403			1.393		404		
	9.652		404			0.989		404		
	9.248		807			0.585		808		
27	28.955	9.652		26.399		2.967	0.989		26.480	
		21.764					2.619			

+22.982
- 72.064
- 49.082

R.D. DEPT. B.M. ?
PALOS VERDES DR. S. AT W. ENT. TO MARINELAND, B.M. NAIL IN LEAD IN CURB ON N. SIDE OF CIRCULAR PLANTING AREA

F.B. 2281 P.G. 142

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND LANDSLIDE

Chief of Party G. E. DREIER Weather WINDY Inst. No. Nr. 142552
Notes by G. E. DREIER Time 8:45 TO Rod No. 11 & 12

Name ~~L. A. CO. PRECISE LEVEL NF~~
Job No 0021.64
From B.M. 34-21 To B.M. 34-26
Date 7-5-57
Indexed J. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	10.122	21.764	378	26.399		1.044	7.619	367	26.480 5	
	9.744		377			0.677		368		
	9.367		755			0.309		735	3	
28	29.233	9.744		27.154		2.030	0.677		27.215	
	9.931		352			1.522		351		
	9.579		351			1.171		352		
	9.228		703			0.819		703	28.018	
29	28.738	9.579		27.857		3.512	1.171		~~27.918~~	
	9.772		351			1.432		348		
	9.421		351			1.084		348		
	9.070		702			0.736		696	7	
30	28.263	9.421		28.559		3.252	1.084		28.614	
	9.139		572			8.951		621		
	8.567		573			8.330		621		
	7.994		1145	704		7.709		1242	9	
31	25.700	8.567	4	~~29.604~~		24.990	8.330		29.856	
	1.681		406			9.356		402		
	1.275		406			8.954		400		
	0.869		812	.516		8.554		802	7	
32	3.825	1.275		30.~~496~~		26.864	8.955		30.558	
		60.350					27.836			

F.B. 2281 P.G. 143

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: G. E. DREIER Weather: WINDY Inst. No: Nr. 142552
Notes by: G. E. DREIER Time: 8:45 TO 11:00 Rod No: 11 8 12

Name: PORTUGUESE BEND LANDSLIDE
Job No: 0021.64
From: B.M. 34-21 To: B.M. 34-26
Date: 7-5-57
Indexed: K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1.692	60.350	400	30.496 516		9.343	27.836	401	30.458 7	
	1.292		400			8.942		400		
	0.892		800			8.542		801		
33	3.876	1.292		31.296 316		26.827	8.942		31.459 5	
	2.445		374			11.780		368		
	2.071		375			11.412		368		
	1.696		749			11.044		736		
34	6.212	2.071		32.045 65		34.236	11.412		32.195 2	
	1.239		184			10.525		162		
	1.055		185			10.363		162		
	0.870		369			10.201		324		
35	3.164	1.055		33.444 3		31.089	10.363		32.519 6	
	1.729		174			11.554		158		
	1.555		173			11.396		158		
	1.382		347			11.238		316		
36	4.666	1.555		32.781 8		34.188	11.396		32.935	
	1.069		153			9.813		248		
	0.916		151			9.565		248		
	0.765		304			9.317		496		
37	2.750	0.916		33.085 8		28.695	9.565		33.431	
	67.239 40					79.514				

F.B. 2281 P.G. 144

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND LANDSLIDE

Chief of Party G. E. DREIER Weather WINDY Inst. No. NF142552
Notes by G. E. DREIER Time 12:00 TO 12:30 Rod No. 11 & 12

Name ~~L. A. CO. PRECISE LEVEL NET~~
Job No. 0021.64
From B.M. 34-21 To B.M. 34-26
Date 7-5-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2.388	67.2~~39~~ 40	349	33.0~~6~~5 8		11.197	79.514	488	33.431	
	2.039		350			10.709		489		
	1.689		699			10.220		977		
38	6.116	2.039		33.7~~6~~8 4		32.126	10.709		34.408	
	1.442		539			11.899		513		
	0.903		538			11.386		513		
	0.365		1077			10.873		1026		
39	2.710	0.903		34.8~~4~~6 1		34.158	11.386		35.434	
	3.858		332			6.887		293		+73.707
	3.526		333			6.594		294		-108.203
	3.193		665			6.300		587		-34.496
40	10.577	3.526		35.5~~6~~2 6		19.781	6.594		36.021	
	1.617	73.70~~7~~ 8	509			6.983	108.203	517		B.M. 34-25 (U.S. 2891 RESET 1946)
	1.108		509			6.466		519		S.E. OF POINT VICENTE
	0.599		1018			5.947		1036		LIGHTHOUSE
41	3.324	1.108		36.5~~2~~4 4		19.396	6.465		37.057	SEE F.B. 1355-28 FOR DESC.
	6.334		551			1.389		601		
	5.783		549			0.788		599		
	5.234		1100			0.189		1200		
42	17.351	5.784		37.6~~2~~4 4		2.366	0.789		38.257	
		6.892					7.254			

F.B. 2281 P.G. 145

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

PORTUGUESE BEND LANDSLIDE

Chief of Party G. E. DREIER Weather WINDY Inst. No. Nr 142552
Notes by G. E. DREIER Time 12:00 TO 12:30 Rod No. 11 & 12

Name ~~L. A. CO. PRECISE LEVEL NET~~
Job No. 0021.64
From B.M. 34-21 To B.M. 34-26
Date 7-5-57
Indexed ~~K. C. Johnson~~

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8.522	6.892✓	443	376 & 4 4		1.227	7.254✓	342	38,257✓	+14.971
	8.079		442			0.885		340		-8.140
	7.637		885✓	2		0.545		682✓		+6.831
4.3	24.238	8.079✓		385 & 9✓		2.657	0.886✓		38,939✓	B.M. 34-26 (U.S. 4138, E. 788 1945) POINT VICENTE LIGHTHOUSE
		14.971✓					8.140✓			SEE F.B. 1355-28 FOR DESC
										SUMMATION OF RUN
					DIFF. IN ELEVATION,					B.M. 34-21 TO B.M. 34-23 +0.053
					"	"	"			B.M. 34-23 TO RD. B.M. (EAST) -30.155
					"	"	"			RD. B.M. (EAST) TO RD. B.M. (WEST) -49.682
					"	"	"			RD. B.M. (WEST) TO B.M. 34-25 -34.496
					"	"	"			B.M. 34-23 TO B.M. 34-25 -113.733
										B.M. 34-25 TO B.M. 34-26 +6.831

F.B. 2281 P.G. 146

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: G. E. DREIER Weather: Inst. No. NR 142552
Notes by: G. E. DREIER Time: 12:30 TO Rod No. 11 & 12

PORTUGUESE BEND
~~L. A. CO. PRECISE LEVEL NET~~
Name:
Job No. 0021.64
From B.M. 34-26 To B.M. 34-21
Date 7-5-57
Indexed: A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1.268		380		#11	8.477		396		B.M. 34-26 U.S. (E-788' 1946)
	0.888		379			8.081		397		POINT VINCENTE LIGHT HOUSE
	0.509		759			7.684		793		
1	2.665	0.888		.759		24.242	8.081		.793	
	2.006		587			6.976		559		
	1.419		585			6.417		559		
	0.834		1172			5.858		1.118		200.85
2	4.259	1.420		1.931		19.251	6.417		1.911	
	7.005		527			1.621		500		+8.786
	6.478		528			1.121		502		-15.618
	5.950		1055			0.619		1002		-6.832
3	19.433	6.478		2.986		3.361	1.120		2.913	
		8.786					15.618			B.M. 34-25 (U.S. 289' RESET 1946)
	7.012		310			3.949		315		
	6.702		310			3.634		315		
	6.392		620			3.319		630		
4	20.106	6.702		3.606		10.902	3.634		3.543	

F.B. 2281 P.G. 147

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather RAINY Inst. No NE142552
Notes by G. E. DREIER Time 12:30 TO Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No 0021.64
From BM 34-26 To BM 34-21
Date 7-5-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	11.878	6.702	519	3.606		1.409	3.634	532	3.543	
	11.359		521			0.877		532		
	10.838		1,040			0.345		1064		
5	34.075	11.358		4.646		2.631	0.877		4.607	
	10.281		419			1.609		414		
	9.862		417			1.195		415		
	9.445		836			0.780		829		
6	29.588	9.863		5.482		3.584	1.195		5.436	
	9.494		236			0.779		168		
	9.258		233			0.611		170		
	9.025		469			0.441		338		
7	27.777	9.259		5.951		1.831	0.610		5.774	
	11.551		158			1.726		173		
	11.393		158			1.553		175		
	11.235		316			1.378		348		
8	34.178	11.393		6.267		4.657	1.552		6.122	
	10.633		168			1.337		179		
	10.465		167			1.158		180		
	10.298		335			0.978		359		
9	31.396	10.465		6.602		3.473	1.158		6.481	
			59.040					9.026		

F.B. 2281 P.G. 48

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather WINDY Inst. No NK142552
Notes by G. E. DREIER Time 12:30 TO Rod No. 11 & 12

Name ~~L.A. CO. PRECISE LEVEL NET~~
Job No. 0021.64
From B.M. 34-26 To B.M. 34-21
Date 7-5-57
Indexed K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	11.935	59.040	370	6.602		2.598	2.026	375	6.481	
	11.565		369			2.223		373		
	11.196		739			1.858		748		
10	34.696	11.565		7.341		6.671	2.224		7.229	
	9.207		405			1.549		397		
	8.802		404			1.152		397		
	8.398		809			0.755		794		
11	26.407	8.802		8.150		3.456	1.152		8.023	
	9.158		402			1.482		405		
	8.756		402			1.077		405		
	8.354		804			0.672		810		
12	26.268	8.756		8.954		3.231	1.077		8.833	
	8.928		595			9.171		600		
	8.333		593			8.571		599		
	7.740		1.188			7.972		1.190		
13	25.001	8.334		10.142		25.714	8.571		10.032	
	1.458		349			9.799		352		
	1.109		347			9.447		351		
	0.762		696			9.096		703		
14	3.329	1.180		10.838		28.342	9.447		10.735	
	97.188					31.497				
	.607									

F.B. 7281 P.G. 149

76P526 S & E #379 1-54

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE ~~WINDY~~ Inst. No Nr. 142552
Notes by G. E. DREIER Time 12:30 TO 2:30 Rod No 11 & 12

Name PORTUGUESE BEND LANDSLIDE ~~A-PO PRECISE LEVEL NET~~
Job No. 0021.64
From B.M. 34-26 To B.M. 34-21
Date 7-5-57
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.535	97.687	349	10.838		9.948	31.497	354	10.735	
	1.186		351			9.594		353		
	0.835		700			9.241		707		
15	3.556	1.185		11.538		28.783	9.594		11.442	
	1.730		386			10.811		400		
	1.344		387			10.411		401		
	0.957		773			10.010		801		
16	4.031	1.344		12.311		31.232	10.411		12.243	
	1.298		403			9.962		404		
	0.895		402			9.558		404		
	0.493		805			9.154		808		
17	2.686	0.895		13.116		28.674	9.558		13.051	
	2.436		376			7.118		429		.607
	2.060		378			6.689		431		+ 107.~~617~~
	1.682		754			6.258		860		- 73.121
18	6.178	2.059		13.870		20.065	6.688		13.911	+ 34.486
	5.137		619			5.995		623		RD. DEPT. B.M.
	4.518		621			5.372		621		PALOS VERDES DR. S. AND WEST
	3.897		1240			4.751		1244		ENTRANCE TO MARINE LAND OF PAC.
19	13.552	4.517		15.110		16.118	5.373		15.155	B.M. NAIL IN LEAD IN CURB
		107.~~617~~ .607					73.121			ON N. SIDE OF CIRCULAR PLANTING AREA

F.B. 2281 P.G. 150

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE BREEZE Inst. No. Nr 142552
Notes by G.E.DREIER Time 12:30 TO 2:30 Rod No. 11 & 12

Name PORTUGUESE BEND ~~L.A. CO. PRECISE LEVEL NET~~
Job No 0021.64
From Bm 34-26 To Bm 34-21
Date 7-5-57
Indexed J. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.729		327	15.110		5.514		316	15.155	
	6.402		325			5.198		316		
	6.077		652			4.882		632		
20	19.208	6.403		15.762		15.594	5.198		15.787	
	6.777		508			4.867		501		
	6.269		506			4.366		503		
	5.763		1014			3.863		1004		
21	18.809	6.270		16.776		13.096	4.365		16.791	
	7.617		609			3.533		635		
	7.008		611			2.898		636		
	6.397		1.220			2.262		1.271		
22	21.022	7.007		17.996		8.693	2.898		18.062	
	8.510		407			0.983		400		
	8.103		406			0.583		400		
	7.697		813			0.183		800		
23	24.310	8.103		18.809		1.749	0.583		18.862	
	10.228		403			1.003		395		
	9.825		403			0.608		396		
	9.422		806			0.212		791		
24	29.475	9.825		19.615		1.823	0.608		19.653	
		37.608					13.652			

F.B. 2281 P.G. 151

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE BREEZE Inst. No Nr 142552
Notes by G. E. DREIER Time 12:30 TO 2:30 Rod No 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No 062164
From B.M. 34-26 To B.M. 34-21
Date 7-5-57
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	10.583	37.608	619	19.615		4.615	13.652	620	19.653	
	9.964		621			3.995		623		
	9.343		1,240			3.372		1,243		
25	29.890	9.963		20,855		11.982	3.994		20,896	
	6.136		616			3.636		628		
	5.520		613			3.008		626		
	4.907		1,229			2.382		1,254		
26	16.563	5.521		22,084		9.026	3.009		22,150	
	9.660		541			1.414		473		
	9.119		541			0.941		472		
	8.578		1,082			0.469		945		
27	27.357	9.119	0	23,866		2.824	0.941		23,095	
	9.954		471			1.551		532		+ 71.695
	9.483		469			1.019		530		- 22.616
	9.014		940			0.489		1,062		+ 49.079
28	28.451	9.484		24,806		3.059	1.020		24,157	
		71.695					22.616			ROAD DEPT. B.M. PALOS VERDES DR. S. AT E. ENTRANCE TO MARINELAND OF PAC., B.M. NAIL IN LEAD IN CURB ON N. SIDE OF CIRCULAR PLANTING AREA

F.B. 2281 P.G. 152

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE BREEZE Inst. No Nr 142552
Notes by G. E. DREIER Time 12:30 TO 2:30 Rod No 11 & 12

Name PORTUGUESE BEND ~~L.A. CO DETAIL LEVEL NO.~~
Job No. 002164
From B.M. 34-26 To B.M. 34-21
Date 7-5-57
Indexed J. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8.789		377	24.206		2.040		379	24.157	
	8.412		379			1.661		381		
	8.033		756			1.280		760		
29	25.234	8.411		24.962		4.981	1.660		24.917	
	9.259		404			1.981		408		
	8.885		406			1.573		409		
	8.479		810			1.164		817		
30	26.653	8.884		25.772		4.718	1.573		25.734	
	9.113		431			1.628		373		
	8.682		429			1.255		373		
	8.253		860			0.882		746		
31	26.048	8.683		26.632		3.765	1.255		26.480	
	11.378		477			2.633		396		+36.879
	10.901		478			2.237		395		-6.725
	10.423		955			1.842		791		+30.154
32	32.702	10.901		27.587		6.712	2.237		27.271	
		36.879					6.725			B.M. 34-23 (U.S. 2888 Z-168, 1933)

F.B. 2281 P.G. 153

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather LIGHT FOG BREEZE Inst. No. Nr. 142552
Notes by G. E. DREIER Time 12:30 TO 2:30 Rod No. 11 & 12

Name PORTUGUESE BEND LANDSLIDE L. A. CO. DRAINAGE (PAL. HILL)
Job No. 0021.64
From B.M. 34-26 To B.M. 34-21
Date 7-5-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.415		516	27.587		9.028		530	27.271	
	4.899		516			8.498		528		
	4.383		1.032			7.970		1.058		
33	14.697	4.899		28.619		25.496	8.499		28.329	
	3.745		562			8.101		633		
	3.183		561			7.468		633		
	2.622		1.123			6.835		1.266		
34	9.550	3.183		29.742		22.404	7.468		29.595	
	6.067		592			2.572		649		
	5.475		593			1.923		648		
	4.882		1.185			1.275		1.297		
35	16.424	5.475		30.927		5.770	1.923		30.892	
	9.090		507			2.059		504		
	8.583		504			1.555		507		
	8.079		1.011			1.048		1.011		
36	25.752	8.584		31.938		4.662	1.554		31.903	
	10.271		623			2.063		621		
	9.648		621			1.442		624		
	9.027		1.244			0.818		1.245		
37	28.946	9.649		33.182		4.323	1.441		33.148	
		31.790					20.885			

F.B. 2281 P.G. 154

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: G. E. DREIER Weather: LIGHT FOG Inst. No. Nr. 142552
Notes by: G. E. DREIER Time: 12:30 TO 2:30 Rod No. 11 & 12

Name: PORTUGUESE BEND LANDSLIDE ~~L.A. CO. PRECISE LEVEL NET~~
Job No. 0021.64
From: B.M. 34-26 To: B.M. 34-21
Date: 7-5-57
Indexed: K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	9.119	31.790	610	33.182		2.875	20.885	502	33.148	
	8.509		610			2.373		502		
	7.899		1220			1.871		1004		
38	25.527	8.509		34.402		7.119	2.373		34.152	
	8.765		634			2.004		605		
	8.131		633			1.399		607		
	7.498		1.267			0.792		1212		
39	24.394	8.131		35.669		4.195	1.398		35.364	
	8.715		620			7.048		625		
	8.095		618			6.423		623		
	7.477		1.238			5.800		1.248		
40	24.287	8.096		36.907		19.271	6.424		36.612	
	2.547		440			9.989		573		
	2.107		439			9.416		575		
	1.668		879			8.841		1.148		
41	6.322	2.107		37.786		28.246	9.415		37.760	
	0.718		261			11.684		229		
	0.457		262			11.455		229		
	0.195		523			11.226		458		
42	1.370	0.457		38.309		34.365	11.455		38.218	
		59.090					51.950			

F.B. 2281 P.G. 155

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. F. KREIER Weather LIGHT FOG Inst. No Nr.142552
Notes by Time 12:30 TO 2:30 Rod No 11 & 12

Name ~~L. A. CO. PRECISE LEVEL NET~~ PORTUGUESE BEND LANDSLIDE
Job No. 0021.64
From B.M. 34-26 To B.M. 34-21
Date 7-5-57
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3.139	59.096	250	38.309		10.383	51.950	298	38.218	+ 61.979
	2.889		249			10.685		297		- 62.035
	2.640		499			9.788		595		-0.056
43	8.668	2.889				30.256	10.085			B.M. 34-21
		61.979					62.035			PALOS VERDES DR. S. & PACKET RD.
										SEE F.B. 1355-25 FOR DESC

SUMMATION OF RUN

DIFF IN ELEV. B.M. 34-26 TO B.M. 34-21 -6.832
" " " B.M. 34-25 TO RD. B.M. (WEST) +34.496
" " " RD. B.M. (WEST) TO RD. B.M. (EAST) +49.079
" " " RD. B.M. (EAST) TO B.M. 34-23 +30.154
" " " B.M. 34-25 TO B.M. 34-23 +113.729
B.M. 34-23 TO B.M. 34-21 - 0.056

F.B. 2281 P.G. 156

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	~~B.S.~~ DIST. BETWEEN STATIONS	~~H.I.~~ FORWARD RUN	~~F.S.~~ BACKWARD RUN	~~ELEV.~~ MEAN	ELEVATION PER PRECISE LEVELING 6-24,28-57 UNADJUSTED AND 7-5-57	1953-54 ELEV.	NOTE B.M.s 34-14, 16, 17, 19, 20, 22 AND 24 DESTROYED OR BURIED EXCESSIVELY DEEP BY ROAD CONST.
	*	See Next Page for Adj. elev.					
B.M. 34-12 TO	1 TURN	+ 0.540	- 0.540	+ 0.540	417.187	417.170	+.017
B.M. 34-11	0.47 mi	- 85.513	+ 85.521	- 85.517	417.727	417.727	HOLD TO THIS ELEV.
B.M. 34-13	0.54 mi.	- 102.975	+ 102.976	- 102.975 60	332.210	332.211	-.001
" " 34-15	0.43 mi	- 21.327	+ 21.325	- 21.326 0	229.234 5	229.225	+.010
" " 50-13	0.67 mi.	- 13.794	+ 13.787	- 13.790 5	207.908 5		
" " 34-17A	0.29 mi.	- 25.418	+ 25.420	- 25.419 185	194.118		
" " 34-18	0.35 mi.	- 1.632	+ 1.632	- 1.632 20	168.699	168.680	+.019
T.B.M. 31	1 TURN	+ 0.822	- 0.820	+ 0.821 0	167.068		
B.M. "F"	0.60 mi.	+ 67.359	- 67.360	+ 67.359 5	167.889		
" " 34-21	0.48 mi.	+ 0.053	- 0.056	+ 0.054 5	235.248 5	235.187	+.061 ?
" " 34-23	0.17 mi.	- 30.155	+ 30.154	- 30.154 5	235.303	235.284	+.018
AT E. ENT. TO MARINELAND R.D.B.M.	0.34 mi.	- 49.082	+ 49.079	- 49.080 5	205.148 5		
AT W. ENT. TO R.D.B.M.	0.46 mi.	- 34.496 5	+ 34.496 8	- 34.496 05	156.068		
B.M. 34-25	0.11 mi.	+ 6.831	- 6.832	+ 6.831 5	121.572	121.580	-.009
B.M. 34-26					128.403 5	128.369	+.034
		TOTAL -288.785	+288.782 .773	-288.783 5			

417.187
- 288.783 5
128.403 5

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 137

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

Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 6-28-57

Date ____ Date ____ Map No. ____ Date ____

70L286 307 8-68

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
		LINE NO. 1			
STA. B-1D	0835	471 310		470 475	
T.P.	0272	459 874	11 608	459 702	
T.P	0277	449 108	11 143	448 831	
T.P.	0282	438 294	11 096	438 012	
T.P.	0959	428 430	10 823	427 471	
T.P.	2263	419 349	11 344	417 086	
T.P.	5098	412 610	11 837	407 512	
T.P.	4402	410 602	6410	406 200	
T.P.	4473	408 296	6779	403 823	
B.M. P.B. #9	4482	408 635	4143	404 153	
T.P.	6812	411 315	4132	404 503	
T.P.	6464	413 392	4387	406 928	℄ INT. NARCISSA DR & SWEETBAY RD.
P.I. #5	6473	414 975	4890	408 502	
T.P	6911	416 529	5357	409 618	
T.P.	0832	411 747	5614	410 915	
T.B.M. #30	0274	405 604	6417	405 330	NARCISSA DR. & CINNAMON LANE
T.P	6847	406 403	6048	399 556	
T.P	6266	408 601	4068	402 335	
P.I. #4	6862	410 977	4497	404 104	℄ INT. NARCISSA DR. & PLUMTREE RD
	6710	412 822	4859	406 112	

Profile Notes Red _____ Alignment _____ Job No. 002164 Division No. 10 P.B. 8 p. 15
Notes Blue _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd _____ Checked _____ Survey by G.E. DREIER Notes G.E.D. Date 9-7-57
Date _____ Date _____ Map No. _____ Date _____

76L298 307 5-49

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		412 822				
T.P.	8907	416 826	4903	407919		
T.P.	11269	427 042	1053	415773		
R.M. #1 S.P. HILLS G-7	4940	426 600	5382	421660		
S.P. HILLS G-7			5853	420747		
R.M. #2 S.P. HILLS G-7	0884	422 662	4822	421 778		
T.P.	2520	413 925	11 257	411405		
T.P.	0890	402 584	12 231	401 694		
T.P.	1023	392 397	11 210	391 374		
T.P.	3218	384 378	11237	381 160		
T.P.	3887	380 623	7642	376 736		
P.I. #3	1166	374 093	7696	372 927	℄ P.I. NARCISSA DR. & GINGER ROOT LANE	
T.P.	0730	362 613	12210	361 883		
T.P.	1394	352 209	11798	350 815		
P.I. #2	3971	344 609	11571	340638	℄ P.I. NARCISSA DR. & CINNAMON LANE	
P.I. #1	1259	336 792	9076	335 533	℄ P.I. " " & FIGTREE RD.	
		SIDE	LINE	TO	S.P. HILLS H-7A ECC. #1 & S.P. HILLS H-7A	
T.P.	0621	325 738	11 675	325117		
T.P.	0426	314 506	11 658	314 080		
T.P.	0932	304 282	11 156	303350		
T.P.	0816	294 169	10929	293 353		
T.P.	8827	292 822	10174	283 995		

F.B. 3291 PG. 160

Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 7-2-57 Date No.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
ECC. #1		292 822				
S.P. HILLS H-7A			4 663	288 159		
S.P. HILLS H-7A			4 439	288 383		
		END OF		SIDE LINE	(CONT. FROM PREVIOUS PAGE)	
P.I. #1	0 522	336 055		335 533	℄ P.I. NARCISSA DR. & FIGTREE RD.	
T.P.	0 623	325 019	11 659	324 396		
T.P.	0 579	313 819	11 779	313 240		
T.P	0 906	302 939	11 786	302 033		
B.C.	0 938	291 958	11 919	291 020	EXCESSIVE HEAT WAVES	
T.P.	3 251	283 312	11 897	280 061		
P.B. #10	1 463	280 968	3807	279 505		
T.P	1 027	270 308	11 687	269 281		
T.P	0 334	259 411	11 231	259 077		
T.P	1 009	249 165	11 255	248 156		
T.P.	1 140	238 374	11 931	237 234		
T.P.	0 111	226 503	11 982	226 392		
T.P.	0 309	215 374	11 438	215 065		
W.F. #1	0 153	210 580	4 947	210 427		
T.P.	1 596	200 792	11 384	199 196		
T.P.	0 703	189 440	12 055	188 737		
T.P.	0 568	177 801	12 207	177 233		
B.M. #F			10 014	167 787	(167 889 PER PAGE 97	
T.B.M. #31			10 816	166 985	167 068 UNADJ. PRECISE LEVELING)	

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 161
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 7-2-57
No. ____ Date ____ Date ____ Map No. ____ Checked C. Johnson Date ____

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		LINE	No.	2		
B.M. 50-13	3042	210951		207909	NEW ELEV. PER PRECISE LEVELING OF 6-24-57 SEE PAGE 157	
T.P.	11669	215130	7490	203461		
"	10458	225313	0275	214855		
"	11850	234134	3029	222284		
"	8388	242090	0432	233702		
"	11935	252513	1512	240578		
"	10393	260663	2243	250270		
"	11008	269136	2535	258128		
"	11273	275782	4627	264509		
"	11078	286100	0760	275022		
"	11753	297070	0783	285317		
"	10450	306272	1248	295822		
"	8225	314130	0367	305905		
SHIELDS	7915	318276	3769	310361		
T.P.	8313	322552	4037	314239		
STA. G-1	9695	325389	6858	315694		
" A-4	11165	333344	3210	322179		
" F-3	10802	335288	8858	324486		
" A-3	8725	335959	8054	327234		
T.P.	10762	344974	1747	334212		

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 PG. 163
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes J. HOOD Date 7-1-57
No. ____ Date ____ Date ____ Map No. ____ [illegible] Date ____

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		344974				
T.P.	11 778	355439	1 313	343661		
"	11890	366629	0700	354739		
RADIAL #1	3900	367591	2938	363691		
T.P.	1 170	357913	10848	356743		
"	3 786	350926	10773	347140		
B.M. 50-12	7705	354831	3800	347126		
STA. B-2			9352	345479		
T.P.	8 372	361651	1 552	353279		
"	11053	371244	1 460	360191		
"	10695	380868	1071	370173		
"	10769	390311	1 326	379542		
STA. D-2	7042	396093	1 260	389051		
T.P.	11278	406290	1 081	395012		
T.B.M. #21	11 080	413697	3673	402617		
T.P.	11030	423177	1550	412147		
M.H.			4882	418295		
T.P.	11 490	434254	0413	422764		
RD. DEPT. B.M.			2498	431756		
T.P.	9665	438354	5565	428689		
STA. E-1	9620	444813	3161	435193		
" D-1	4249	441537	7525	437288		

F. B. 2281 Pg. 164

Job No. 002164 Division No. 10 Notes Red. Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date Date No.

Survey by G.E. DREIER Notes J. MOODY Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date 7-1-57 Date Date No.

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		441537				
STA. C-1	0301	434619	7219	434318		
T.P.	0535	427123	8031	426588		
"	3988	425244	5867	421256		
STA. B-1			5407	419837		
T.P.	10823	426082	9985	415259		
STA B-1B			4813	421269		
T.P.	11529	433281	4330	421752		
"	11385	443376	1290	431991		
STA. B-1C	11672	453975	1073	442303		
T.P.	11620	462912	2683	451292		
"	9205	471477	0640	462272		
STA. B-1D			1013	470464	470.475	

Profile Notes Red. _____ Plotted _____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 165
No. _____ Date _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. _____ Checked _____ Survey by G. E. DREIER Notes J. MOODY Date 7-1-57
No. _____ Date _____ Date _____ Map No. _____ Indexed [illegible] Date _____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		LINE # 3				
B.M. 50-13	3713	211 622		207 909	NEW ELEV. PER PRECISE LEVELING OF 6-24-57 SEE PAGE 157	
T.P.	1 354	201 158	11 818	199804		
T.P.	2 040	192 591	10607	190551		
T.P	0 626	181 389	11 828	180763		
T.P.	0 316	170 114	11591	169798		
"	0 305	158 894	11525	158589		
"	0 456	148 014	11 336	147558		
Sta. K-5	5610	141658	11 966	136048	136.039 .9	
T.P.	0527	133 290	8 895	132763		
T.P	0219	122 771	10738	122552		
T.P.	1525	112 718	11578	111193		
T.P.	0436	101 320	11834	100884		
T.P.	0187	89 594	11913	89407		
T.P.	0617	78 269	11942	77652		
T.P	0639	67 827	11081	67188		
TBM #28	0678	61 738	6767	61060	[illegible]	
T.P.	0325	50 411	11652	50086		
T.P.	1362	39973	11 800	38 611		
K. #2	2482	33 614	8 841	31 132	31 191	
T.P.	2 502	24263	11853	21 761		

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 10 F.B. 2281 Pg. 167

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

Survey by G.E. DREIER Notes T. OHASHI Date 7-2-57

Map No. ____ Date ____ Indexed J.C. Johnson Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		24263				
T.P.	4473	23188	5548	18715		* SIDE SHOT
TBM 26C			5247	17941 *	N.E. COR. BLDG.	
TBM 26B			6277	16911 *	E. ENTERANCE TO CLUB	S.E. PT. ON BLDG
TBM #26	5048	21891	6345	16843		
TBM 26D			4716	17175 *	N.W. PT. ON BLDG	
TBM 26E			3872	18019 *	S.W. PT. " "	
TBM 26A			4238	17653 *	S.W. PT. OFF BLDG	BY WALK 5' OFF
T.P.	3929	20023	5797	16094		
T.P.	1942	18400	3565	16458		
P.B #1	4919	12520	10799	7601		
T.P.	9176	9834	11862	0658		
"	11871	17283	4422	8412		
P.B. #2A	3853	15453	5683	11600		
T.P.	3258	10708	8003	7450		
P.B. #3	2612	7508	5812	4896		
PB #3A			6242	1266 *	SIDE SHOT	
P.B. #4	5251	8740	4019	3489		
BEACH #3	3873	10891	1722	7018		
P.B #5			2329	8562 *		
P.B #5A			10108	0783 *		
T.P.	6089	13835	3145	7746		

F.B. 2281 PG. 168 Job No. 002164 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 7-2-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed R. O. Johnson Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		13 835				
T.P.	1 232	10 097	4970	8865		
STA. P.B. #6-A			9694	0403		
STA. P.B. #6	1 805	10 527	1 375	8 722		
T.P.	9 349	13 192	6684	3 843		
P.B. #7	5124	16 933	1 383	11 809		
T.P.	3307	16 727	3513	13 420		
T.P.	6195	17 380	5542	11 185		
T.P.	1 059	14 506	3933	13 447		
P.B. #8			6 512	7994		
P.B. #7	7 229	19 038		11 809		
T.P.	11620	30 304	0354	18 684		
"	2207	31 413	1 098	29 206		
"	11015	40 630	1 798	29 615		
"	11478	50 353	1 755	38 875		
"	11 302	61 443	0212	50 141		
T.B.M. #28			0 371	61 072		
T.B.M. #28	2 637	63 697		61 060	FROM PAGE 167	
STA K3A	11 129	70 462	4 364	59 333		
T.P.	10 568	80 852	0 178	70 284		
T.P.	11 877	91 662	1 067	79 785		

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 10
X-Sec. Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by G.E. DREIER Notes J. MOORE Date 7-2-57
Map No. ____ Date ____ Date ____ Indexed G. Johnson Date ____

F.B. 2281 Pg. 169

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		91 662				
T.P.	7 629	98 966	0 325	91 337		
T.P.	11 891	110 560	0 297	98 669		
T.P.	10 273	120 585	0 248	110 312		
T.P.	5 974	125 931	0 628	119 957		
TBM 25	11 792	135 127	2 596	123 335		
T.P.	11 943	143 233	3 837	131 290		
T.P.	11 417	153 252	1 398	141 835		
T.P.	11 512	163 083	1 681	151 571		
T.P.	11 473	173 687	0 869	162 214		
T.P.	11 721	185 031	0 377	173 310		
T.P.	11 868	195 061	1 838	183 193		
T.P.	11 339	204 679	1 721	193 340		
T.P.	11 045	214 519	1 205	203 474		
STA K1	0 922	214 ~~4~~ 5 68	0 873	213 646		
T.P.	1 044	204 519	11 093	203 475		
BM 34-17A	5 318	199 370	10 467	194 052		
T.P	6 247	200 485	5 132	194 238		
T.P.	5 234	200 780	4 939	195 546		
T.P.	3 073	196 645	7 208	193 572		
T.P.	0 771	187 948	9 468	187 177		
T.P.	1 846	178 577	11 217	176 731		

F.B. 2281 Pg. 170

Job No. 0021.64 Division No. 10 Notes Red. ____ Plotted ____ Profile ____

Survey of PORTUGUESE BEND LANDSLIDE Date ____ Date ____ No. ____

Survey by G.E. DREIER Notes R.E. BREDEHORST Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed X C. Johnson Date ____ Date ____ No. ____

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.				
		178 577						
BM 34-18	6 017	173 733	10 861	167 716				
			5 100	168 633				
		LINE #4						
B.M. 50-13	4 102	212 011		207 909	UNADJ. PRECISE ELEV. PER PAGE 157			
T.P.	3 028	209 700	5339	206 672				
T.B.M 15	7 559	207 954	9 305	200 395				
T.P	8 403	212 829	3 528	204 426				
STA J-5	4 925	208 169	9 585	203 244				
T.P	9 193	212 370	4 992	203 177				
RADIAL 2	10 711	216 058	7 023	205 347				
T.P	10 162	224 374	1 846	214 212				
STA J-4			1 088	223 286	-5.307	-4.363	0.698	223 286
				-0.702	+4.609	+3.657	0.706	0.702
STA J-3	7 335	229 919		222 584	+0.698	-0.706	2 1.404	222 584
T.P.	1 914	220 694	11 139	218 780			0.702	
STA J-1	1 152	213 506	8 340	212 354				
T.P.	1 634	203 781	11 359	202 147				
B.M. "D	2 399	200 476	5 704	198 077				
T.P.	6 647	202 870	4 253	196 223				
T.P	5 128	204 111	3 887	198 983				

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 171
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes R.E.B. Date 7-3-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 307 4-50

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		204 111				
T.P.	11 525	208 836	6 800	197 311		
	BEGINING OF DOGLEG					
T.P.	11 635	218 782	1 689	207 147		
T.P.	11 358	226 691	3 449	215 333		
T.P.	10816	236 648	0 859	225 832		
T.P.	7 167	241 994	1 821	234 827		
STA J-1A			3 295	238 699		
	END OF DOGLEG					
T.P.	3 802	201 113		197 311		
T.P.	5 898	200 844	6 167	194 946		
T.P.	4 085	200 029	4 900	195 944	LINE # 5	
B.M 34-17A	3 128	197 234	5 923	194 106	194.118 PER PAGE 157	
T.P.	11 321	205 822	2 733	194 501		
B.M. "C"	7 223	211 888	1 157	204 665		
T.P.	11 163	219 469	3 582	208 306		
T.P.	11 727	228 521	2 675	216 794		
T.P.	11 964	238 239	2 246	226 275		
T.P.	11 808	249 220	0 827	237 412		
T.P.	11 882	259 826	1 276	247 944		
T.P.	11 557	269 998	1 385	258 441		
	8 259	277 935	0 322	269 676		

F. B. 2281 Pg. 172 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date Date No. X-Sec.
Survey by G.E. DREIER Notes R.E. BREDEHORST Notes Chkd. Checked
Indexed E. O. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		277 935				
P.T. 7	11 632	284 750	4 817	273 118		
T.P	6 002	289 400	1 352	283 398		
	SIDE LINE TO BLAKESLY					
T.P.	7 603	292 841	4 162	285 238		
	9 535	300 428	1 948	290 893		
T.P.	9 074	306 311	3 191	297 237		
BLAKESLY			1 808	304 503		
	END SIDE LINE					
	11 233	294 631		283 398		
T.P.	11 520	305 213	0 938	293 693		
T.P.	11 518	315 605	1 126	304 087		
L. 1			4 498	311 107		
P.T. 6	5 843	320 706	0 742	314 863		
	SIDE LINE TO I-1, I-2, I-3					
I-1			1 803	318 903		9120
T.P.	1 095	310 454	11 347	309 359		
T.P.	0 282	298 813	11 923	298 531		
I-2	6 003	295 649	9 167	289 646		
I-3			9 347	286 302		
		END OF SIDELINE				
P.T. #6	9120	323 983		314 863		

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Date ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 173
X-Sec. Notes Chkd ____ Checked ____ Survey of PORTUGUESE BEND LANDSLIDE
No. ____ Date ____ Date ____ Survey by G.E. DREIER Notes R.E.B. Date 7-3-57
Map No. ____ Indexed C. Johnson Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
		323 983		
T.P	10 896	332 887	1 995	321 988
T.P.	10 655	343 166	0 373	332 811
P.T. #5	9 198	351 319	1 045	342 121
T.P.	11 272	360 926	1 665	349 654
T.P	11 292	371 320	0 898	360 028
P.T. #4	1 182	372 003	0 499	370 821
		SIDE LINE	TO H-1, H-2, H-4	
T.P.	1 863	36~~3~~2 016	11 850	36~~1~~0 153
T.P.	2 380	35~~5~~4 142	10 254	35~~2~~1 762
H-1			2 110	35~~3~~2 032
T.P.	1 427	34~~4~~7 896	11 673	34~~3~~2 469
T.P.	2 891	33~~9~~8 82~~1~~2	7 966	33~~6~~5 93~~0~~1
H-2	1 412	33~~3~~2 87~~1~~2	7 362	33~~2~~1 ~~459~~60
T.P	3 856	32~~5~~4 757	11 970	32~~1~~0 901
H-4			11 017	31~~4~~3 740
		END OF	SIDE	LINE
		SIDE LINE TO	WEST	FIX
P.T. #4	6 528	377 349		370 821
T.P.	10 643	384 479	3 513	373 836
T.P.	11 475	390 872	5 080	379 399
	8 993	398 626	1 239	389 633

F.B. 2281 Pg. 174 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date Date No. X-Sec.
Survey by C.E. DREIER Notes R.E. BREDEHORST Notes Chkd. Checked
Indexed E. C. Johnson Date Date Date No.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.
		398 626		
WEST FIX			9 821	393 805
		END OF	SIDE	LINE
P. T. #4	9 649	380 470	-	370 821
T. P.	9 821	387 769	2 522	377 948
P. T. #3	11 732	398 436	1 065	386 704
P. T #2	0 621	398 725	0 332	398 104
	SIDE	LINE TO	SWEET	BAY 1, 2, 3
S.B. #1	1 849	391 957	8 617	390 108
S.B. #2	0 289	383 544	8 702	383 255
T. P.	1 098	373 185	11 457	372 087
T. P.	1 862	363 919	11 128	362 057
S.B. #3			11 074	352 845
		END SIDE	LINE	
P.T. #2	11 408	409 512		398 104
T. P.	9 559	418 135	0 936	408 576
T. P.	7 218	423 721	1 632	416 503
P. T. #1	6 033	425 022	4 732	418 989
T. P.	11 662	433 387	3 297	421 725
B.M. B-1C	11 065	443 082	1 370	432 017
T. P	11 948	454 277	0 753	442 329
T. P.	11 911	463 226	2 962	451 315

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 2021.64 Division No. 10 F.B. 2281 Pg. 175
X-Sec. ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes R.E.B. Date 7-3-57
Map No. ____ Date ____ Indexed Johnson Date ____

F.B. 2281 PG 176 | Job No. 0021.64 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of PORTUGUESE BEND LANDSLIDE | Date | Date | No.

Survey by G.E. DREIER | Notes R.E. BREDEHORST | Notes Chkd. | Checked | X-Sec.

Indexed A. C. Johnson | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.
T.P.	9.872	463.226		
STA B-10		472.157	0.941	462.285
			1.679	470.478

Do not extend notes this side of this line.

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

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

76L298 307 10-51

Profile No.	Notes Red.	Plotted	Job No. 0021.64	Division No.
	Date	Date	Survey of PORTUGUESE BEND LANDSLIDE	
X-Sec. No.	Notes Chkd.	Checked	Survey by G. E. DREIER	Notes G.E.D Date 8-1-57
	Date	Date	Map No.	Indexed Johnson Date 8-6-57

F. B. 2281 Pg. 177

PORTUGUESE BEND LANDSLIDE
JOB NO. 0021.64

AUGUST 1ST 1957 RELEVELING

DREIER
OHASHI
CERICOLA
LATTERI
BREDEHORST

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
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

76298 S & E #307—7-55

76298 S & E #307—7-55

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. 2281 Pg. 178 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile No.
Survey of PORTUGUESE BEND LANDSLIDE Date Date X-Sec. No.
Survey by G. E. DREIER Notes G. E. D. Notes Chkd. GOSS Checked
Indexed A. C. Johnson Date Date

LINE No. 1

STATION	B. S.	H. I.	F. S.	ELEV.	
B.M. "F"	9668	177539		167871	B.M. "F" JULY 1957 ADJ. ELEV. 167.871, F.B. 2281-157 PALOS VERDES DR. S. AT ENTRANCE TO WAYFARERS CHAPEL, N.E. COR. RD. DEPT BRASS DISC.
T.P.	11324	188651	0212	177327	
T.P.	11912	200251	0312	188339	
T.P.	10912	210199	0964	199287	
T.P.	5605	213019	2785	207414	
W.F.-1	4928	215434	2513	210506	W.F.#1, WAYFARERS CHAPEL, SQ. SPK N.W. COR. BOTTOM STEP
T.P.	11751	226890	0295	215139	
T.P.	11337	237809	0418	226472	
T.P.	11368	248682	0495	237314	
T.P.	11431	259663	0450	248232	
T.P.	10693	269847	0509	259154	
T.P.	11092	280450	0489	269358	
P.B. #10	3009	282587	0872	279575	
T.P.	11708	291843	2452	280135	
B.C.	11406	302491	0758	291085	B.C., SPK & TIN PAINTED B.C. OPP. FIRE HYDRANT IN FRONT OF No. #24
T.P.	11725	313824	0392	302099	
T.P.	11169	324675	0318	313506	
T.P.	11333	335786	0222	324453	
P.I. #1	1482	337065	0203	335583	℄ FIGTREE
		SIDE LINE TO		S.P. HILLS	H-7A ECC.1 & S.P. HILLS N-7A
T.P.	0571	325740	11896	325169	

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		325 740				
T. P.	0 511	314 644	11 607	314 133		
T. P.	0 994	304 401	11 237	303 407		
T. P.	0728	294 140	10 989	293 412		
T. P.	8347	292 401	10 086	284 054		
ECC #1 S.P. HILLS H-7A			4 193	288 208		
S. P. HILLS H-7A			3 978	288 423		
		END OF		SIDE	LINE	
P.I. #1	8211	343 794		335 583	FROM PAGE 178	℄ FIGTREE
P.I. #2	11 863	352 552	3 105	340 689	℄ CINNAMON	LN.
T. P.	11 998	362 861	1689	350 863		
T. P.	11 479	373 402	0938	361 923		
P.I. # 3	7 457	380 421	0 438	372 964	℄ GINGER	ROOT LN.
T. P.	7368	384 132	3 657	376 764		
T. P.	10 720	391 912	2 940	381 192		
T. P.	11 338	402 748	0 502	391 410		
T. P.	11 847	413 580	1 015	401 733		
T. P.	10972	422 408	2 144	411 436		
R.M. #2 S.P. HILLS G-7	4335	426 140	0 603	421 805		
S.P. HILLS G-7			5 363	420 767		
S.P. HILLS G-7 R.M. #1	4 845	426 533	4 452	421 688		
T. P.	1 075	416 875	10 733	415 800		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 179
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes G.E.D Date 8-1-57
Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	
		416 375			
T.P.	4 498	412 445	8 928	407 947	
T.P.	3712	409 867	6 290	406 155	
P.I. # 4	3713	407 852	5728	404 139	℄ PLUM TREE
T.P.	4108	406 488	5472	402 380	
T.P.	6358	405 957	6 889	399 599	
T.B.M. # 30	7369	412 741	0585	405 372	NARCISSA DR. & GINGER ROOT LANE, N.E. COR.
T.P.	5170	416 128	1 783	410 958	
T.P	4 495	414 161	6462	409 666	
P.I. # 5	4 412	412 964	5 609	408 552	NARCISSA DR. & SWEETBAY RD. ℄ INT.
T.P.	3 862	410 843	5 983	406 981	
T.P.	3 450	408 008	6 285	404 558	
B.M. P.B. # 10	3949	408 148	3 809	404 199	NARCISSA DR. & VANDERLIP DR.
T.P	6 432	410 310	4 270	403 878	
T.P	6 082	412 343	4 049	406 261	
T.P	11 825	419 383	4785	407 558	
T.P.	11 518	428 668	2 233	417 150	
T.P.	11 022	438 552	1 138	427 530	
T.P.	11 307	449 374	0485	438 067	
T.P	11 612	460 497	0 489	448 885	
T.P.	11 388	471 142	0743	459 754	
STA. B-1 D			0 623	470 519	ELEV. 470.475

F. B. 2281 Pg. 180 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date Date No.
Survey by G. E. DREIER Notes G. E. DREIER Notes Chkd. GOSS Checked X-Sec.
Indexed C. Johnson Date Date Date No.

#307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE NO 2	
STA B-1D	1460	471935		470475		
T.P.	0755	463035	9655	462280		
T.P.	2675	453981	11729	451306		
STA. B-1C	1138	443457	11662	442319		
T.P.	0585	432594	11448	432009		
T.P.	2979	423971	11602	420992		
STA B-1R	1744	422635	3080	420891		
B-1A	8069	423042	7662	414973		
B-1	5467	424904	3605	419437		
T.P.	5722	426585	4041	420863		
T.P	8801	435134	0252	426333		
STA C-1	1849	435822	1161	433973		
T.P	6988	442172	0638	435184		
STA. D-1	5467	442752	4887	437285		
T.P	3783	442437	4098	438654		
STA. E-1	3625	438601	7461	434976		
T.P.	6449	435127	9923	428678		
RD. B.M.	2917	434625	3419	431708	SPK IN POLE	
T.P.	0651	423352	11924	422701		
T.P.			5369	417983	S. RIM OF DRAIN M.H.	
T.P.	0641	412201	11792	411560	(T.B.M. # 21 DESTROYED)	

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 181
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked Gross Survey by G.E. DREIER Notes G.E.D. Date 8-1-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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.

76298 S & E #

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		412 201				
T. P.	1488	402 048	11 641	400 560		
T. P.	0348	394 727	7669	394 379		
STA. D-2	0745	389208	6264	388 463		
T. P.	1277	380236	10249	378 959		
T. P.	1098	370696	10638	369 598		
T. P.	1488	361 140	11 044	359 652		
T. P.	1669	354 539	8270	352 870		
STA. B-2			9403	345136		
B.M. 50-12	4182	351 009	7712	346 827		
T. P.	10601	357 567	4043	346 966		
T. P.	10730	367 439	0858	356 709		
RADIAL 1	2828	366 327	3940	363 499		
T. P.	0666	355232	11 761	354 566		
T. P.	1413	344882	11763	343 469		
T. P.	2747	336737	10892	333 990		
STA. A-3	6973	333955	9755	326 982		
STA. F-3	11 218	335 228	9945	324 018		
T. P.	2901	333 659	4470	330758		
STA. A-4	5188	327 317	11 530	322 129		
STA. G-1	7207	322 859	11665	315652	← 8-5-57	
T. P.	4255	318 391	8723	314136	↓	

F. B. 2281 Pg. 182 Job No. 002164 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 8-1-57 Date X-Sec.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Goss Checked No.
Indexed K. C. Johnson Date Date Date

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		318 391				
STA. SHIELDS	4312	314568	8135	310256		
T.P.	0409	306205	8772	305196		
T.P.	1132	296843	10494	295711		
T.P.	0932	286137	11636	285207		
T.P.	1361	276275	11225	274914		
T.P.	4419	268822	11872	264403		
T.P.	0661	258023	11460	257362		
T.P.	1233	247696	11560	246463		
T.P.	0375	236477	11594	236102		
T.P.	0370	224918	11929	224548		
T.P.	1812	215035	11695	213223		
T.P.	0990	206029	9996	205039		
T.B.M. #15	8700	208847	5882	200147		
T.P.	8242	211614	5475	203372		
BM 50-13			3795	207819		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 183
Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. No. ____ Notes Chkd. Gross Checked ____ Survey by G.E. DREIER Notes T. CHASHI Date 8-5-57
Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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.

707.891

Do not extend notes this side of this line.

LINE No. 3

STATION	B. S.	H. I.	F. S.	ELEV.	
B.M. 34-15	5091	234 808		229 217	B.M. 34-15 ELEV. 229.217 JULY 1957 ADJ., F.B. 2281-157
T.P.	4113	232 460	6461	228347	
T.P.	4473	230 697	6234	226226	
T.P.	4173	228 659	6213	224486	
T.P.	3631	225 797	6493	222166	
T.P.	2892	221 219	7410	218327	
T.P.	3696	217 607	7308	213911	
T.P.	4288	214 864	7031	210576	
T.P.	5350	213 423	6791	208073	
B.M. 50-13	3450	211 343	5530	207893	
T.P.	1110	200 895	11358	199785	
T.P.	1930	192 462	10363	190532	
T.P.	0707	181 453	11716	180746	
T.P.	0437	180 222	11668	169785	
T.P.	0751	159 327	11646	158576	
T.P.	0318	147 934	11778	147549	
STA. K-5	5810	141 848	11896	136038	
T.P.	0838	133 583	9103	132745	
T.P.	0279	122 819	11043	122540	
T.P.	0708	111 889	11638	111181	
T.P.	1190	102 362	11017	100872	

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 PG. 185
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes T.O. Date 8-2-57
No. ____ Date ____ Date ____ Map No. ____ Kind of Job ____ Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		[illegible]				
T.P.	2.585	94351	[illegible]	[illegible]		
STA. K-4	1339	87269	8421	85930		
STA. K-A			4684	[illegible]		
STA. KAB	1097	76850	[illegible]	75753		
STA KB			9583	67267		
T.P.	1773	68457	[illegible]	[illegible]		
STA. KBC			6293	62166		
T.BM. #28	[illegible]	63598	7482	60977		
STA. KC			[illegible]	[illegible]		
T.P.	3671	58177	8591	54507		
STA. KD	0708	51201	7685	50413		
T.P.	2589	44478	9312	41889		
T.BM. #27 AUX.			[illegible]	[illegible]		
T.BM #27	3382	38264	9596	34885		
STA. K-#2			7447	30817		
T.P.	1134	29065	10333	[illegible]		
T.P.	[illegible]	24311	9767	19318		
T.P.	4877	23565	5623	18688		
T.BM #26 B.			6720	16945	NAIL BY E. ENT.	
T.BM. #26 C.			5647	17918	NAIL AT N.E. COR. BLDG.	
T.BM #26	4759	21536	6788	16777		

F. B. 2281 Pg. 186 Job No. 002164 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 8-2-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. GOSS Checked No.
Indexed K. C. Johnson Date Date Date

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		21 536				
TBM #26 D			4384	17152		
TBM 26 E			3483	18053		
TBM. 26 A			3848	17688		
T.P.	3680	19816	5400	16132		
T.P.	2878	19362	3332	16484		
B.M. P.B. #1	4959	12540	11781	7581		
T.P.	6749	10454	8835	3705		
— T.P.	9798	17154	3098	7356		
BM. P.B. #2A	1163	12826	5491	11663		
T.P.	2513	9245	6094	6732		
BM P.B. #3A			8009	1236		
BM. P.B. #3	5352	10218	4379	4866		
BM P.B. #4	2692	6151	6759	3459		
BM. P.B. #5A	10178	10933	5399	0.752		
STA. BEACH #3			3942	6988		
B.M. P.B. #5			2390	8540	← THIS ELEV. DOUBLE CHECKED FROM B.M. P.B. 5A	A.E.D.
T.P.	7664	12256	6338	4592		
T.P.	4139	11513	4882	7374		
STA. BEACH #4	1968	10898	2583	8930		
BM — P.B. #6	1637	10605	1930	8968		
T.P.	3703	5925	8383	2222		

Profile Notes Red. ____ Plotted ____ Job No. 202164 Division No. ____ F. B. 2281 Pg. 187
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. Goss Checked ____ Survey by G.E. DREIER Notes T. OHASH Date 8-2-57
No. ____ Date ____ Date ____ Map No. ____ Kindsted Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		5925				
BM. P.B #6A	5651	6023	5553	0372		
T.P.	3623	7976	1670	4353		
T.P.	11582	16114	3444	4532		
B.M. P.B. 7	5167	16936	4345	11769		
T.P.	1782	16748	1978	14958		
T.P.	7439	18320	5859	10881		
T.P.	0491	13766	5045	13275		
B.M. P.B. #8			5807	7959		
B.M. P.B #7	7053	18822		11769		
T.P.	11942	30582	0182	18640		
T.P.	1745	30905	1422	29160		
T.P.	11057	40545	1417	29488		
T.P.	11463	50086	1922	38623		
T.P.	11692	61581	0197	49889		
				60977	FROM PAGE 186	
T.BM #28	3160	64137	0616	60965		
STA. K-3A	11463	70652	4948	59189		
T.P.	10419	80684	0387	70265		
T.P.	9465	86412	3737	76947		
T.P.	8078	91746	2744	83668		
T.P.	6259	97262	0743	91003		

F. B. 2281 Pg. 188 Job No. 002164 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 8-2-57 Date X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. GOSS Checked No.
Indexed K. C. Johnson Date Date Date

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		97262				
T.P.	11498	105322	3438	93824		
T.P.	11781	116861	0242	105080		
T.P.	8452	123908	1405	115456		
T.BM. #25	8912	132365	0455	123453		
T.P.	11732	143644	0453	131912		
T.P.	11448	153270	1822	141822		
T.P.	11022	163894	0398	152872		
T.P.	11474	173690	1678	162216		
T.P.	11587	184910	0367	173323		
T.P.	11892	195093	1709	183201		
T.P.	11031	204377	1747	193346		
T.P.	10809	214298	0888	203489		
STA. K-1	0527	214201	0624	213674		
T.P.	0829	204318	10712	203489		
BM 34-17A	5292	199349	10261	194057	JULY 1957 ADJ. ELEV.	194.100
T.P.	6315	200558	5101	194248		
T.P.	5051	200607	5002	195556		
T.P.	3159	196648	7118	193487		
T.P.	0730	187948	9430	187218		
T.P.	0543	176669	11822	176126		
T.P.	5953	173709	8913	167756		

Profile Notes Red. _____ Plotted _____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 189
No. _____ Date _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GOFF Checked _____ Survey by G.E. DREIER Notes TOWASHI Date 8-2-57
No. _____ Date _____ Date _____ Map No. _____ Indexed Johnson Date _____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		173709				
BM. 34-18	1630	170302	5037	168672	JULY 1957 ADJ. ELEV.	168.682, F.B. 2281-157
T.P	2851	163095	10058	160244		
T.P.	6518	163715	5898	157197		
T.P.	6023	165731	4007	159708		
T.P	6170	167268	4633	161398		
T.P.	6372	168618	5022	162246		
T.P.	6714	171294	4038	164580		
T.BM. #31	4538	171569	4263	167031	BM "F" ELEV. 167.871 JULY 1957 ADJ., SEE F.B. 2281-157	
BM "F"			3733	167839		

F. B. 2281 Pg. 190 Job No. 002164 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 8-2-57 Date X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. GOSS Checked No.
Indexed K. C. Johnson Date Date Date

76298 S & E #307—7-55

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.

LINE No 4

BM. 50-13 ELEV. 207.891 JULY 1957 ADJ. SEE F.B. 2281-157

STATION	B. S.	H. I.	F. S.	ELEV.		
BM. 50-13	4119	212013		207891		
T.P.	2832	209484	5358	206652		
T. BM. #15	7122	207339	9267	200217		
T.P.	5293	209571	3061	204278		
STA. J-#5	1927	204981	6517	203054		
T.P.	10788	215570	0199	204782		
RADIAL #2	11278	216501	10347	205223	T. E. BANK	T. W. BANK
T.P.	11790	225872	2419	214082		
STA. J-#4			2862	223010	−5.556 223'± / +4.793 20'±	223'± −4.332 / 20'± +3.578
				−0758	−0.763' DIFF IN ELEV.	−0.754' DIFF. ELEV.
					−0.758 MEAN DIFF IN ELEV.	
STA. J-#3	7882	230134		222252		
T.P.	0525	218933	11726	218408		
STA. J-#1	0352	212338	6947	211986		
T.P.	4379	206265	10452	201886		
BM. "D"	5773	203886	8152	198113		
T.P.	0722	202403	2205	201681		
T.P.	5413	204231	3585	198818		
T.P.	11731	210565	5397	198834*	← SIDE LINE	
T.P.	10737	217668	3634	206931		
P.I. — #17	11616	226773	2511	215157		
T.P.	9800	235418	1163	225618		

Profile Notes Red. ____ Plotted ____ Job No. 00216 Division No. 10 F. B. 2281 Pg. 191
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GOSS Checked ____ Survey by G. E. DREILING Notes T. OHASHI Date 8-5-57
No. ____ Date ____ Date ____ Map No. ____ Notes G. Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		235410				
T.P.	8339	242917	6832	234578		
STA J-1A			4582	238~~4~~335		
T.P.	2942	201776		198834	* CONT. FROM PREVIOUS PAGE 3RD T.P. AFTER B.M. "D"	
T.P.	4358	199831	6303	195473		
T.P.	4532	200413	3950	195881		
B.M. 34-17A	5054	199109	6358	194055		
T.P.	8561	207393	0277	198832	LINE NO 5	
B.M. "C"	7510	212116	2787	204606		
T.P.	11203	219437	3882	208234		
T.P.	11021	227741	2717	216720		
T.P.	11760	237930	1571	226170		
T.P.	11111	248394	0647	237283		
T.P.	11292	259074	0612	247782		
T.P.	11879	270129	0824	258250		
T.P.	8164	277679	0614	269515		
P.T. #7	11993	284888	4784	272895		
T.P.	5732	288958	1662	283226 *		
	SIDE LINE TO BLAKSLEY					
T.P.	7511	292581	3888	285070		
T.P.	9143	299916	1808	290773		

F. B. 2281 Pg. 192 Job No. 0021.64 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 8-5-57 Date X-Sec.
Survey by G.E. DREIER Notes T. CHASHI Notes Chkd. GOSS Checked No.
Indexed E. C. Johnson Date Date Date

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		299 916				
T.P.	9107	306 176	2847	297 069		
STA. BLAKSLEY			1825	304351	END OF SIDE LINE.	
T.P.	10762	293 988		283226	← CONT. FROM PREVIOUS PAGE ONE T.P. AFTER P.T. #7	
T.P.	11347	304842	0493	293495		
T.P.	11338	315193	0987	303855		
STA. L #1			4273	310920		
P.I. — #6	6333	321005	0521	314672 *		
	SIDE LINE					
STA. I-#1			2191	318814		
T.P.	0828	310091	11742	309263		
T.P.	1525	300328	11288	298803		
STA. I-#2	5856	295281	10903	289425		
STA. I-#3			9162	286119	END OF SIDE LINE	
T.P.	9798	324470		314672	CONT. FROM ABOVE P.I. #6	
T.P.	10845	332684	2631	321839		
T.P.	10236	342614	0306	332378		
P.T. #5	9966	351948	0632	341982		
T.P.	10178	361337	0789	351159		
T.P.	11469	371354	1452	359885		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 PG. 193
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. [illegible] Checked ____ Survey by G.E. DREIER Notes TOHASHI Date 8-5-57
Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	
		371 354			
P.T. #4	0864	371 568	0650	370 704 *	
		SIDE LINE			
T.P.	0617	360 628	11557	360 011	
STA. H-#1	1137	352 987	8778	351 850	
T.P.	0798	342 694	11091	341 896	
STA. H-#2	1212	332 474	11432	331 262	
T.P.	3354	324 077	11751	320 723	
STA. H-#4			10 500	313 577	END OF SIDE LINE
		SIDE LINE TO WEST FIX			
P.T. #4	6833	377 537		370 704	
T.P.	10531	384 216	3852	373 685	
T.P.	11928	391 213	4931	379 285	
T.P.	8803	398 432	1584	389 629	
STA. W. FIX.			4632	393 800	
P.T. #4	10085	380 789		370 704	CONT. FROM ABOVE P.T. #4
T.P.	9793	387 618	2964	377 825	
P.T. #3	10738	397 317	1039	386 579	
T.P.	6266	401 790	1793	395 524	
P.T. #2	1212	399 192	3810	397 980 *	
		SIDE LINE SWEETBAY			

F. B. 2281 Pg. 194 Job No. 002164 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 8-5-57 Date No.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. GOSS Checked X-Sec.
Indexed C. Johnson Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		399 192				
T.P	4672	396933	6931	392261		
SW'T BAY #1	2445	392504	6874	390059		
SW'T BAY #2	0615	383858	9261	383243		
T.P	0952	373036	11774	372084		
T.P	1321	363360	10997	362039		
S.B. #3			10522	352838	END OF SIDE LINE	
P.T. #2	11010	408990		397980	CONT. FROM PREVIOUS PAGE PT. #2	
T.P.	11573	419940	0623	408367		
P.T. #1	3645	422308	1277	418663		
T.P.	11936	432935	1309	420999		
T.P.	11734	443748	0921	432014		
STA. B-1C			1424	442324		

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 PG. 195
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. Goss Checked ____ Survey by G. E. DREIER Notes T. OHASHI Date 8-5-57
No. ____ Date ____ Date ____ Map No. ____ Rec'd Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.
B.M. "F"	10193	178064		167 ~~871~~ 944
T.P	11775	189033	0806	177 ~~208~~ 331
"	11752	200017	0768	188 ~~265~~ 338
"	11952	211142	0827	199 ~~190~~ 263
W.F. #1	4725	215164	0703	210 ~~439~~ 512
T.P	11989	226435	0718	214 ~~446~~ 519
"	11188	237438	0185	226 ~~250~~ 323
"	11592	248832	0198	237 ~~240~~ 313
"	11556	259713	0675	248 ~~157~~ 230
"	10944	270023	0634	259 ~~079~~ 152
"	11257	280524	0756	269 ~~267~~ 340
P.B. #10	3168	282670	1022	279 ~~502~~ 575
T.P	11980	192040	2610	280 ~~060~~ 133
B.C.	11973	302983	1030	291 ~~010~~ 083
T.P.	11700	313721	0962	302 ~~021~~ 094
"	11963	324482	1202	312 ~~519~~ 592
"	11994	335872	0604	323 ~~878~~ 951
& P.I #1			0375	335 ~~497~~ 570
		SIDE LINE to S.P HILLS H-7A ECC#1 & H-7A		
	1484	336981		
T. P.	0706	325790	11897	325 ~~084~~ 157

LINE NO 1 (NARCISSA DR.)

B.M. "F" JULY 1957 ADJ ELEV. 167.871, SEE F.B. 2281-157 PALOS VERDES DR. S. & ENTRANCE TO WAYFARERS CHAPEL

NOTE: B.M. "F" APPEARS TO HAVE RAISED .05± THUS ELEVATIONS OF LINE #1 SHOULD BE RAISED. SEE LINES 3, 4 & 5 FOR PROOF. (G.E.D.)

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg 197
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes V. MOODY Date 9-3-57
No. ____ Date ____ Date ____ Map No. ____ Date SEP 14 57

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		325 790				
T.P.	0426	314 470	11 746	314 ~~044~~ 117		
"	1253	304 575	11 148	303 ~~322~~ 395		
"	1278	294 606	11 247	293 ~~328~~ 401		
"	7898	291 875	10629	283 ~~977~~ 4 050		
ECC's S.P. HILLS H-7A			3744	288 ~~131~~ 209		
S.P. HILL H-7A			3527	288 ~~348~~ 421	END OF SIDE LINE	
℄ P.I. #1	8198	343695		335 ~~497~~ 570	CONTINUED FROM PREVIOUS PAGE	
P.I. #2	11 812	352415	3092	340 ~~603~~ 676		
T.P.	11 841	362615	1641	350 ~~774~~ 847		
"	11 709	373542	0782	361 ~~833~~ 906		
P.I. #3	7288	380163	0667	372 ~~875~~ 948		
"	7185	383859	3489	376 ~~674~~ 747		
"	10641	391 740	2760	381 ~~099~~ 172		
"	11115	402428	0427	391 ~~373~~ 386		
"	11569	413211	0786	401 ~~642~~ 715		
"	10822	422165	1868	411 ~~343~~ 416		
S.P. HILLS, G-7 R.M. #2	4493	426205	0453	421 ~~712~~ 785		
S.P. HILLS G-7			5522	420 ~~683~~ 756	SIDESHOE	
S.P. HILLS G-7 R.M. #1	4925	426519	4611	421 ~~594~~ 667		
T.P.	0773	416481	10811	415 ~~708~~ 781		

F.S. 2281 Pg. 198 Job No. 02164 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date Date X-Sec.
Survey by G. E. DREIER Notes J. MOODY Notes Chkd. GOSS Checked
Indexed R. C. Johnson Date 9-3-57 Date No.

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE No. 1
		416 487			
T.P.	4325	412.183	8623	407 ~~858~~ 931	
"	3849	409.910	6.122	406 ~~067~~ 134	
P.I #4	4030	408.073	5.867	404 ~~043~~ 116	
T.P.	4138	406.420	5791	402 ~~282~~ 355	
"	6171	405.674	6917	399 ~~503~~ 576	
T.B.M #30	7605	412.877	0402	405 ~~272~~ 345	
T.P.	5038	415.896	2019	410 ~~858~~ 931	
"	4672	414.237	6331	409 ~~565~~ 638	
P.I #5	4694	413.148	5783	408 ~~454~~ 527	
T.P.	4063	410.943	6268	406 ~~880~~ 843	
"	3914	408.374	6483	404 ~~460~~ 533	
P.B. #9	3777	407.868	4283	404 ~~091~~ 164	
T.P.	6211	409.973	4106	403 ~~762~~ 835	
"	5789	411.939	3823	406 ~~150~~ 223	
"	11778	419.214	4503	407 ~~436~~ 509	
"	11736	428.768	2182	417 ~~032~~ 105	
"	10943	438.359	1352	427 ~~416~~ 489	
"	11155	449.103	0411	43 ~~7948~~ 8021	
"	11482	460.247	0338	448 ~~765~~ 838	
	11726	471.363	0610	459 ~~637~~ 710	B-1D ELEV. 470.475
B1D			0961	470 ~~402~~ 476	END of LINE No 1

Profile Notes Red ____ Plotted ____ Job No. 0021.64 Division No. 10 ____ 174

No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LAND SLIDE

X-Sec. Notes Chkd. GOSS Checked ____ Survey by G. E. DREIER Notes J. WOOD Date 9-3-57

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

76L298 307 10-51

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE NO 3
BM 34-15	5548	234765		229 217	B.M. 34-15 JULY 1957 ADJ. ELEV. 229.217 PALOS VERDES DR. S. & YATCH HARBOR DR.
T.P.	4501	232 846	6420	228 345	
T.P.	4377	231 600	5623	227223	
T.P.	4312	230 537	5375	226225	
T.P.	4105	228 593	6049	224488	
T.P.	3899	226 065	6427	222166	
T.P.	3230	221 559	7736	218329	
T.P.	3498	217 412	7645	213914	
T.P.	3881	214 463	6830	210582	
BM 50-13	3697	211 592	6568	207895	
T.P.	2046	201 923	11715	199877	
T.P.	2039	192 573	11389	190534	
T.P.	0395	181 145	11823	180750	
T.P.	0538	170 324	11359	169786	
T.P.	0636	159 212	11748	158576	
T.P.	0472	148 022	11662	147550	
STA K-#5	5194	141 238	11978	136044	
T.P.	0838	133 583	8493	132745	
T.P.	0314	122 862	11035	122548	
T.P.	0438	111 628	11672	111 190	
K-#5 AUX.	0450	102 227	9851	101777	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 00264 Division No. 10 F.B. 2281 PG. 201
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes T. OHASHI Date 9-4-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		102 227				
T.P.	2337	94055	10509	91718		
STA. K-#4	3754	89552	8257	85798		
STA. K-A	2035	84473	7114	82438		
STA. K-AB	0878	76499	8852	75621		
STA K-B.	0198	67254	9443	67056		
T.BM. #28	1917	62844	6327	60927	*	
T.P.	4486	58816	8514	54330		
STA. K-C			0359	58457	* SIDE SHOT	
STA. K-D	3305	53402	8719	50097		
STA. K-DE	4396	48749	9049	44353		
STA. K-E	3262	43976	8035	40714		
T.BM #27	3590	38497	9069	34907		
STA K-2	0718	31245	7970	30527		
T.P.	5051	24336	11960	19285		
T.P.	4791	23495	5632	18704		
T.BM #26B			6671	16824	*	
T.BM #26C			5555	17940	*	
T.BM. #26	4587	21340	6742	16753		
T.BM. #26D			4184	17156	*	
T.BM. #26E			3204	18136	*	
T.BM. #26A	4326	22105	3561	17779	*	

B. 2281 PG. 702 Job No. 002166 Division No. 10 Notes Red. Plotted
Survey of PORTUGUESE BEND LANDSLIDE Date 9-4-57 Date No.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. GOSS Checked X-Sec.
Indexed R. C. Johnson Date Date No.
Profile

307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line. 4378

STATION	B. S.	H. I.	F. S.	ELEV.		
		22.105				
T.P.	3.357	19.588	5.874	16.231		
T.P.	2.855	19.416	3.027	16.561		
P.B. #1	5.195	12.808	11.803	7.613		
T.P.	6.273	10.243	8.838	3.970		
T.P.	10.728	17.898	3.073	7.170		
P.B. #2A	0.781	12.568	6.111	11.787		
T.P.	5.550	9.403	8.715	3.853		
P.B. #3	4.761	9.663	4.501	4.902		
P.B. #4	3.989	7.484	6.168	3.495		
BEACH #3	4.033	11.042	0.475	7.009		
P.B. #5			2.470	8.572		
P.B. #5A	10.351	11.138	10.255	0.787		
T.P.	5.019	11.779	4.378	6.760		
T.P.	6.266	11.006	7.039	4.740		
BEACH #4	2.065	11.150	1.921	9.085		
P.B. #6	1.621	10.904	1.867	9.283		
P.B. #6A	5.726	6.175	10.455	0.449		
T.P.	9.489	14.603	1.061	5.114		
P.B. #7	5.170	17.019	2.754	11.849		
T.P.	3.031	16.492	3.558	13.461	SIDE LINE TO P.B. #8	
T.P.	7.005	18.825	4.672	11.820		
			5.337			

Profile No. ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 10 P.B. #2 No. 203
Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. No. ____ Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes T. OHASHI Date 9-4-57
Date ____ Date ____ Map No. ____ Date ____

FORM 207 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		18825				
T.P.	1137	14631	5331	13494		
P.B. #8			6593	8038		
P.B. #7	7751	19600		11849	CONT. FROM PREVIOUS PAGE	
T.P.	11849	30539	0910	18690		
T.P.	1171	30415	1295	29244		
T.P.	9933	39446	0902	29513		
T.P.	11873	50454	0865	38581		
T.P.	11618	61416	0656	49798		
T.B.M. #28	2500	63427	0425	~~60991~~ 60927	CONT. FROM PAGE TWO PAGES BACK	
T.P.	11958	71042	4343	59084		
T.P.	9614	80276	0380	70662		
T.P.	9563	86224	3615	76661		
T.P.	7853	91078	2999	83225		
T.P.	5629	96293	0414	90664		
T.P.	11968	101394	6867	89426		
T.P.	11682	112823	0253	101141		
T.P.	9285	121880	0228	112595		
T.P.	5847	125883	1844	120036		
T.B.M. #25	11850	135399	2334	123549		
T.P.	11746	143712	3433	131966		
T.P.	11908	151599	4021	139691		

F.B. 228 / PG. 204

Job No. 00216 Division No. 10 Notes Red. Plotted Profile No. X-Sec. No.

Survey of PORTUGUESE BEND LANDSLIDE Date 54-57 Date Notes Chkd. GOUS Checked Date

Survey by G.E. DREIER Notes T. OHASHI Date

Indexed K. C. JOHNSON Date

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		151.599				
T.P.	11.758	163.142	0.215	151.384		
T.P.	11.707	173.902	0.947	162.195		
T.P.	11.574	184.889	0.587	173.315		
T.P.	11.228	194.416	1.701	183.188		
T.P.	10.747	204.079	1.084	193.332		
T.P.	11.513	214.995	0.597	203.482		
STA. K-1	1.227	214.904	1.318	213.677		
T.P.	0.605	204.089	11.420	203.484		
B.M. 34-17A	5.268	199.308	10.049	194.040	9-5-57	
T.P.	6.230	200.470	5.068	194.240		
T.P.	5.065	200.607	4.928	195.542		
T.P.	3.260	196.624	7.243	193.364		
T.P.	0.573	187.806	9.391	187.233		
T.P.	0.752	177.559	10.999	176.807		
B.M. 34-18	1.343	170.030	8.872	168.687		
T.P.	2.725	162.984	9.771	160.259		
T.P.	6.937	163.789	6.132	156.852		
T.P.	6.022	165.749	4.062	159.727		
T.P.	6.141	167.265	4.625	161.124		
T.P.	6.515	168.785	4.995	162.270		
T.P.	6.763	171.37[illegible]	4.172	164.613		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 10 F.B. [illegible]
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes T. OHASHI Date 9-4-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

F.B. 228 / PG. 206 | Job No. 002164 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of PORTUGUESE BEND LANDSLIDE | Date 9-5-57 | Date | No.

Survey by G. E. DREIER | Notes T. OHASHI | Notes Chkd. GOSS | Checked | X-Sec.

Indexed L. C. Johnson | Date | Date | Date | No.

STATION	B.S.	H.I.	F.S.	ELEV.
T.BM. #31 B.M. "F"	4.252	171.376 171.312	4.316 3.379	167.060 167.933

167.933
167.060
+0.873

FORM 307 10M 10-46

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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.

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE NO 2
STA. B-1D	1592	472 067		470 475	(Station B-1D to SHIELDS) STA. B-1D
T.P.	0 698	462 970	9795	462272	
"	2870	454 177	11 663	451307	
Sta. B-1C	0 569	442 886	11 860	442317	
T.P.	0 892	432 890	10 888	431998	
"	2238	423 220	11 908	420982	
Sta. B-1B	1 850	422 347	2723	420497	
Sta B-1A	7825	422 493	7679	414668	
T. P.	7875	425 356	5012	417481	
Sta. B-1	5349	424 386	6319	419037	
T.P.	5848	426 324	3910	420476	
"	8471	434 617	0178	426146	
Sta C-1	6402	440 038	0981	433636	
Sta D-1	7182	444 470	2750	437288	
Sta E-1	5081	439 749	9802	434668	
T.P.	5958	434 626	11 081	428668	
L.A. CO. RD. DEPT. BM. IN P.P.	1681	433 438	2869	431757	
T.P.	1412	424 145	10 705	422733	
M.H.	1860	419 483	6 522	417623	
T.P.	0330	410 691	9 122	410361	
T.P.	0660	399 671	11 680	399011	

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 002164 Division No. 10 F.B. 2281 PG. 207

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

Survey by G.E. DREIER Notes J. MOODY Date 9-5-57

Map No. ____ Date ____ Date ____

76L298 307 10-51

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
		399 671			
T.P.	0621	394494	5798	393 873	
STA. D-2	0748	388 744	6498	387996	
T.P.	0708	379 210	10242	378 502	
"	0435	369 576	10 069	369 141	
"	1189	360437	10328	359 248	
"	1222	353808	7851	352 586	
STA B-2			8902	344906	SIDE SHOT
B.M. 50-12	4027	350 675	7160	346648	
T.P.	10802	357706	3771	346904	
"	10975	367 757	0924	356782	
STA. RADIAL #1	2922	366357	4322	363 435	
T.P.	0738	355 265	11 830	354 527	
"	0281	343 696	11850	343415	
"	1985	335 890	9791	333905	
STA. A-3	6269	333 138	9021	326869	
STA. F-3	11 365	335 045	9458	323 680	
T.P.	2328	333 145	4228	330817	
STA. A-4	4440	326 625	10960	322 185	
STA. G-1	6685	322390	10920	315705	
T.P.	3790	317 977	8203	314187	
STA. SHIELDS	3722	314024	7675	310302	

Profile
Plotted ____ No. ____
Date ____ X-Sec.
Notes Red. ____ Date ____ Checked ____ No. ____
Notes Chkd. Goss Date ____ No. ____
Division No. 10 Date ____
Job No. 002164 Date 9-5-57
Survey of PORTUSUESE BEND LANDSLIDE
Survey by G.E. DREIER Notes J. MOODY
Indexed K. C. Johnson
B. 2281 PG. 209

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		314 024				
T.P.	0595	306 437	8182	305 842		
"	0708	296 467	10 678	295 759		
"	0447	285 703	11 211	285 256		
"	0681	275 642	10 742	274 961		
"	4267	268 718	11 191	264 451		
"	0382	257 323	11 777	256 941		
"	1455	247 686	11 092	246 231		
"	1139	236 950	11 875	235 811		
"	0261	233 802	3409	233 541		
"	0942	223 186	11 558	222 244		
"	0819	214 095	9910	213 276		
"	0931	205 914	9112	204 983		
T.B.M. #15	8562	208 647	5829	200 085		
T.P.	8125	211 551	5221	203 426		
"			3678	207 873		
B.M. 50-13					END of LINE No 2	

Profile Notes Red. _____ Plotted _____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 409
No. _____ Date _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GOSS Checked _____ Survey by G. ED REIER Notes J. MOORE Date 9-5-57
No. _____ Date _____ Date _____ Map No. _____ Notes Johnson Date _____

76298 S & E #307—7-55

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.

LINE No. 5

STATION	B. S.	H. I.	F. S.	ELEV.		
STA. B-1D	1175	471 650		470 475	B.M. B-1D	
T.P.	0850	463 121	9319	462 271		
T.P.	2770	454 070	11821	451300		
STA. B-1C	0435	442 745	11760	442310		
T.P.	0417	432 420	10742	432003		
T.P.	3028	424 016	11432	420988		
T.P.	1600	415 955	9661	414355		
T.P.	0310	408 496	7769	408186		
P.T. #2	1125	398 991	10630	397866*		
	SIDE LINE TO SWEETBAY.					
T.P.	1250	392 220	8021	390970		
T.P.	1002	384 224	8998	383222	← (THIS MAY BE S.B. #2) (S.B. #1 MISSED)	
T.P.	0590	373 536	11278	372946		
T.P.	1967	363 982	11521	362015		
SW'T. BAY #3			11161	35282		
P.T. #2	0638	398 504		397866*	CONT. FROM PREVIOUS	P.T. #2 EIGHT LINES UP
P.T. #3	0661	387 150	12015	386489		
T.P.	2638	380 361	9427	377723		
P.T. #4	6282	376 879	9764	370597		
	SIDE LINE TO WEST FIX					

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 211
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes T. OHASH Date 9-6-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE #5
		376 899			
T.P.	10221	383762	3338	373541	
T.P.	11968	391148	4582	379180	
T.P.	7842	397461	1529	389619	
STA. W. FIX			3678	393783	
		SIDE LINE TO "H" STATIONS.			
P.T. #4	0262	370859		370597*	
T.P.	0618	360507	10970	359889	
T.P.	3946	354174	10279	350228	
STA. H-#1	2468	354173	2469	351705	
T.P.	0386	342997	11562	342611	
STA H-#2	0951	332048	11900	331097	
T.P.	1592	322190	11450	320598	
STA. H-#4			8730	313460	
P.T. #4	1190	371787		370597*	CONT. FROM ABOVE.
T.P.	0468	360240	12015	359772	
T.P.	2300	350948	11592	348648	
P.T. #5	0760	342626	9082	341866	
T.P.	0525	332790	10361	332265	
T.P.	1715	323436	11069	321721	
P.T. #6	6240	320760	8916	314520	

F. B. 2281 Pg. 217 Job No. 0021.64 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGESE BEND LANDSLIDE Date 9-6-57 Date X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. GOSS Checked
Indexed A. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		SIDE LINE TO "I" STATIONS.				
STA. I-#1		320760	2010	318750		
T.P.	0336	309513	11583	309177		
T.P.	2246	300938	10821	298692		
STA. I-#2	5849	295079	11708	289230		
STA I-#3			9110	285969		
P.T. — #6	0285	314805		314520	CONT. FROM BOTTOM OF PREVIOUS PAGE	
B.M. L-#1			4043	310762		
T.P.	0993	304649	11149	303656		
T.P.	0627	293972	11304	293345		
T.P.	5960	289059	10873	283099*		
		SIDE LINE TO BLAKESLY				
T.P.	7854	292835	4078	284981		
T.P.	9305	300002	2138	290697		
T.P.	9528	306485	3045	296957		
STA. BLAKESLY			2235	304250		
T.P.	1062	284161		283099*	CONT. FROM PREVIOUS T.P. SEVEN LINES UP	
P.T. — #7	0657	273360	11458	272703		
T.P.	0504	262199	11665	261695		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F.B. 2281 Pg. 213
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes TOMASHI Date 9-6-57
Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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. 2281 Pg. 2/4 Job No. 00216 Division No. 10 Notes Red. Plotted
Survey of PORTUGUESE BEND LANDSLIDE Date 9-6-57 Date No.
Survey by S. E. DREIER Notes T. OHASHI Notes Chkd. GUSS Checked X-Sec.
Indexed C. Johnson Date Date Date No. Profile

STATION	B. S.	H. I.	F. S.	ELEV.		
		262799				
T.P.	0674	251085	11788	250411		
T.P.	3411	244745	9751	241334		
T.P.	0229	237420	7554	237191		
T.P.	1362	227465	11317	226103		
T.P.	0881	217564	10782	216683		
T.P.	1177	208910	9831	207733		
B.M. "C"			4323	20487		
T.P.	0655	199474	10391	198819		
BM 34-17A	5198	199239	5433	194041		
T.P.	6027	200423	4843	194396		
T.P.	4963	200500	4886	195537		
T.P.	3212	196567	7145	193355		
T.P.	0615	187844	9338	187229		
T.P.	1278	177413	11709	176135		
BM. 34-18			8731	168682	B.M. 34-18 JULY 1957 ADJ. ELEV 168.682	

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	"P-3" AND "P-2"	
BM. 34-18	1215	169897		168682	BM. 34-18 JULY 1957	ADJ. ELEV. 168.682
T.P.	2771	163027	9641	160256		
T.P.	5840	163052	5815	157212		
STA. P.#3	6001	164050	5003	158049		
T.P.	5913	165636	4327	159723		
T.P.	6107	167224	4519	161117		
T.P.	5969	168233	4960	162264		
STA. — P.#2	6034	169549	4718	163515		167.922 167.050 + 0.872
T.P.	6558	171161	4946	164603		
T.BM. #31	4667	171717	4111	167050	T.B.M. #31 JULY 1957	ADJ. ELEV 167.050
BM "F"			3795	167922	B.M. "F"	

Profile Notes Red. _____ Plotted _____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 215
No. _____ Date _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GOSS Checked _____ Survey by G.E. DREIER Notes T. OHASHI Date 9-6-57
No. _____ Date _____ Date _____ Map No. _____ Date _____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE # 4	
B.M. 34-15	5 459	234 676		229 217	B.M. 34-15 JULY 1957 ADJ. ELEV. 229.217	
T.P.	3 887	232 231	6 332	228 344		
T.P.	4 319	230 541	6 009	226 222		
T.P.	4 911	228 493	6 059	224 482		
T.P.	3 495	225 663	6 325	222 168		
T.P.	3 112	221 438	7 337	218 326		
T.P.	3 577	217 494	7 521	213 917		
T.P.	4 112	214 695	6 911	210 583		
T.P.	5 234	213 311	6 618	208 077		
B.M. 50-13	4 068	211 959	5 411	207 900	B.M. 50-13 JULY 1957 ADJ. ELEV. 207.891 PALOS VERDES DR. S. & COENSHAW BLVD.	
T.P.	3 078	209 738	5 248	206 660		
TBM. #15	6 976	207 069	9 645	200 093		
T.P.	8 129	212 303	2 895	204 174		
STA. J-5	5 772	203 690	9 385	207 918		
T.P.	12 010	215 348	5 352	203 338		
RADIAL 2	10 848	215 970	10 226	205 122		
T.P.	4 969	215 954	1 985	213 985	20 FT + 4.473 ±200 FT + 3.407	
STA. J-4			3 176	212 778	200 FT - 5.275 20 FT - 4.256 MEAN = 0.806	
					- 0.802 - 0.809	
					- 0.806	
STA. J-3	7 532	229 504		221 972		
T.P.	1 797	219 886	11 415	218 089		

8.218

Profile Notes Red. _____ Plotted _____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 317
No. _____ Date _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GROSS Checked _____ Survey by G.E. DREIER Notes G.E.D. Date 7-10-57
No. _____ Date _____ Date _____ Map No. _____ Date _____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		219 886				
STA. J-1	0 897	212 565	8 218	211 668		
T. P.	5 604	207 268	10 901	201 664		
B.M. "D."	5 149	203 289	9 128	198 140		
T. P.	6 553	202 443	7 399	195 890		
T. P.	5 239	203 919	3 763	198 680		
T. P.	11 693	210 401	5 211	198 708	SIDE LINE TO P.I. #17	AND STA J-1A
T. P.	10 958	217 712	3 647	206 754		
P.I. #17	11 432	226 432	2 712	215 000		
T. P.	9 798	235 211	1 019	225 413		
T. P.	7 995	242 351	0 855	234 356		
STA. J-1A			4 264	238 087		
T. P.	2 555	201 263		198 708		
T. P.	3 912	199 044	6 131	195 132		
T. P.	4 455	200 372	3 127	195 917		
B.M. 34-17A	4 989	199 021	6 340	194 032	B.M. 34-17A, July 1957 ADJ. ELEV. 194.100	
T. P.	5 901	200 292	4 630	194 391		
T. P.	4 881	200 411	4 762	195 530		
T. P.	3 223	196 562	7 072	193 339		
T. P.	0 689	187 916	9 335	187 227		
T. P.	1 542	177 676	11 782	176 134		

F. B. 2281 Pg. 218 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile No.
Survey of PORTUGUESE BEND LANDSLIDE Date 7-10-55 Date X-Sec.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Goe# Checked
Indexed K. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		177 676				
B.M. 34-18	1219	169 903	8 992	168 684	B.M. 34-18 JULY 1957 PALOS VERDES DR. S. &	ADJ. ELEV. = 168.682
T.P.	2545	162 799	9649	160 254		
T.P.	5788	162 998	5589	157 210		
STA. P-3	5842	163 890	4950	158 048		
T.P.	5700	165 421	4 169	159 721		
T.P	6081	167 197	4 305	161 116		
T.P	5970	168 236	4 931	162 266		167.922
STA. P-2	6902	170 418	4 720	163 516		167.055
T.B.M.	4442	171 497	3 363	167 055	T.B.M. #31 JULY 1957 PALOS VERDES DR. S. &	ADJ. ELEV 167.050 CHAPEL ENTRANCE TO WAYFARERS
B.M. "F"	5252	173 174	3 575	167 922	B.M. "F"	
T.P.	5726	174 055	4 845	168 329		
T.P.	6262	175 695	4622	169 433		
T.P.	8443	181 016	3 122	172 573		
T.P.	8362	187 540	1 838	179 178		
T.P.	8925	195 680	0 885	186 655		
T.P.	10198	205 357	0391	195 189		
T.P	10296	215 235	0450	204 937		
T.P.	10008	225 041	0200	215 033		
T.P.	10835	235 624	0252	224 789		
T.P.	9470	244 742	0352	235 272		
T.P.	7902	250 698	1946	242 796		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 13 F.B. 2281 Pg. 219
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. Gross Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 9-10-57
Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		250 698				
T. P.	2158	247 161	5695	245 003		
T. P.	2721	241 786	8096	239065		
T. P.	5789	242 293	5282	236504		
B.M. 34-21			7051	235 242	BM 34-21 JULY 1957 ADJ. ELEV 235.230 PALOS VERDES DR. S. & PACKET RD.	

F. B. 2281 Pg. 220 Job No. 0021.64 Division No. 10 Notes Red Plotted Profile
Survey of PORTUGUESE BEND LANDSIDE Date 9-10-57 Date No.
Survey by G. E. DREIER Notes G.E.D. Notes Chkd. GOSS Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE NO. 1	
T.B.M. #31	4321	171 371		167 050	T.B.M. #31 JULY 1957 ADJ. 167.050	
B.M. "F"	9.701	177 605	3467	167904		
T.P.	11 563	188 869	0299	177 306		
"	11 661	199 972	0558	188 311		
"	11 598	211 117	0453	199 519		
W.F. #1	4578	215065	0630	210487		
"	11 978	226472	0571	214494		
"	11520	237 799	0193	226279		
T. P.	11 242	248 541	0500	237 299		
"	11 259	259 472	0328	248 213		
"	10 382	269 520	0334	259 138		
"	11 208	280 527	0201	269319		
P.B. #10	3381	282940	0968	279 559		
T.P.	11 571	291 685	2826	280 114		
B.C.	11 590	302 655	0620	291 065		
"	11 486	313 562	0579	302 076		
"	11 828	324 401	0989	312 573		
"	10 637	334 570	0468	323933		
"	6400	339 769	1210	333 360		
P. 1. #1	1 360	336 918	4 202	335 558		

SIDE LINE TO S.P. HILLS H-7A ECC #1 & H-7A

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F.B. 2281 Pg. 221
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by S. E. DREIER Notes J. MOODY Date 10-1-57
No. ____ Date ____ Date ____ Map No. ____ Indexed R. C. JOHNSON Date 10-7-57

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		336 918				
T. P.	0190	325 333	11 775	325 143		
"	0502	314 605	11 230	314 103		
"	0908	304 292	11 221	303384		
"	0783	294 173	10902	293390		
"	8219	292 254	10138	284 035		
S.P. HILLS H-7A, ACC. #1	4928	293 120	4062	288192		
S.P. HILLS H-7A			4713	288407		
END OF SIDE LINE						
P.I. #1	8519	344 077		335558	CONT. FROM BOTTOM	OF PREV. PAGE
P.I. #2	11381	352046	3412	340665		
T. P.	11851	362695	1202	350844		
"	11482	373384	0793	361902		
P.I. #3	7399	380343	0440	372944		
T. P.	7260	384001	3602	376741		
"	10878	392049	2830	381171		
"	10530	401917	0662	391387		
"	11250	412965	0202	401715		
"	11167	422584	1548	411417		
S.P. HILLS G-7, R.M. #2	4639	426425	0798	421786		
S.P. HILLS G-7			5668	420757	SIDE SHOT	
S.P. HILLS G-7, R.M. #1	5178	426843	4760	421665		

F. B. 2281 Pg. 222 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile No.
Survey of PORTUGUESE BEND LANDSLIDE Date 10-1-57 Date X-Sec.
Survey by G. E. DREIER Notes J. A. MOODY Notes Chkd. Checked
Indexed K. C. Johnson Date Date No.

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		426 843				
T.P.	0955	416 733	11065	415778		
"	3660	411 591	8802	407931		
"	4020	410 161	5450	406141		
P.I. #4	4561	408 689	6033	404128		
T.P.	4075	406446	6318	402371		
"	6521	406110	6857	399589		
T.B.M. #30	7232	412592	0750	405360		
T. P.	4746	415688	1650	410942		
T. P.	4576	414222	6042	409646		
P.I. #5	4541	413075	5688	408534		
T.P.	4030	410995	6110	406965		
"	4070	408643	6422	404573		
P.B. #9	4941	409115	4469	404174		
T.P.	6309	410163	5261	403854		
"	6108	412352	3919	406244		
"	11592	419114	4830	407522		
"	11318	428442	1990	417124		
"	11132	438640	0934	427508		
"	11253	449297	0596	438044		
T. P.	11387	460244	0440	448857		
"	11670	471404	0510	459734		

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 PG. 223
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes J.A. Moud Date 10-1-57
No. ____ Date ____ Date ____ Map No. ____ Indexed X. C. Johnson Date ____

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		471 404				
STA. B-1D	1063	471 538	0902	470 502 475	END OF LINE NO 1 ADJUSTED ELEV. 470.475	
T.P.	0944	463 217	9265	462 273	LINE NO 2	
"	2608	453 912	11913	451 304		
STA. B-1C	0794	443 113	11593	442 319		
"	0748	432 757	11104	432 009		
"	2681	423 675	11763	420 994		
STA. B-1B	2287	422 530	3432	420 243		
STA. B-1A	7869	422 349	8050	414 480		
STA. B-1	5228	424 014	3563	418 786		
T.P.	5754	425 979	3789	420 225		
"	8575	434 326	0228	425 751		
STA. C-1	2469	435 893	0902	433 424		
T.P.	7473	442 632	0734	435 159		
STA. D-1	5238	442 541	5329	437 303		
T.P.	2721	441 389	3873	438 668		
STA. E-1	3048	437 505	6932	434 457		
T.P.	6647	433 931	10221	427 284		
RD. DEPT T.B.M	2329	434 108	2152	431 779		
T.P.	0182	422 603	11687	422 421		
T.P.	0799	411 587	11815	410 788		
T.P.	0638	400 587	11638	399 949		

F. B. 2281 Pg. 224 Job No. 002144 Division No. 10 Notes Red. ____ Plotted ____ Profile No. ____
Survey of PORTUGUESE BEND LAND SLIDE Date 10-1-57 Date ____ X-Sec. No. ____
Survey by G. E. DREIER Notes J. MOODY Notes Chkd. ____ Checked ____
Indexed C. Johnson Date ____ Date ____

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		400 587				
T. P.	4 542	393 729	11 400	389 187		
STA. D-2	0 431	388 092	6 068	387 661		
T. P.	1 279	379 444	9 927	378 165		
T. P.	0 753	369 568	10 629	368 815		
T. P.	1 245	360 208	10 605	358 963		
T. P.	1 782	354 148	7 842	352 366		
STA B-2			9421	344 727	SIDE SHOT	
B.M. 50-12	4 927	351 432	7 643	346 505		
T. P.	10 250	357 024	4 658	346 774		
T. P.	10 498	367 272	0250	356 774		
RADIAL #1	2 362	365 723	3911	363 361		
T. P.	0 848	355 321	11 250	354 473		
T. P.	1 195	344 542	11 974	343 347		
T. P.	2 669	336 483	10 728	333 814		
STA. A-3	6 208	332 969	9722	326 761		
T. P.	2 639	333 480	2 128	330 841	STA. F-3 FOUND DESTROYED	
STA. A-4	7 594	329 805	11 269	322 211		
T. P.	4 129	326 714	7 220	322 585	10-3-57	
STA. G-1	6 864	322 595	10 983	315 731		
T. P.	4 220	318 429	8 386	314 209		
SHIELDS	4 155	314 484	8100	310 329		

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 225
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes J. MOORE Date 10-1-57
No. ____ Date ____ Date ____ Map No. ____ Indexed H. C. Johnson

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		314 484				
T. P.	0233	306 104	8613	305 871		
"	1124	296 917	10311	295 793		
"	1150	286437	11630	285287		
"	0845	275833	11449	274988		
"	3557	268028	11362	264471		
"	0274	256844	11458	256570		
"	0957	246974	10827	246017		
"	0333	235885	11422	235552		
"	0723	225083	11525	224360		
"	0272	213818	11537	213546		
"	2251	205096	10973	202845		
T.B.M. #15	9494	209 502	5088	200 008		
T.P.	8086	211533	6055	203447		
B.M. 50-13			3636	207 897	B.M. 50-13 JULY 1957 ADJ. ELEV. 207.891	

F. B. 2281 Pg. 226 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile No.
Survey of PORTUGUESE BEND LANDSLIDE Date 10-1-57 Date X-Sec. No.
Survey by G. E. DREIER Notes J. MOODY Notes Chkd. Checked
Indexed J. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE No. 3	
B.M. 34-15	5 495	234 712		229 217	B.M. 34-15 JULY 1957 ADJ. ELEV. 229.217	
T.P.	3918	232 259	6 371	228 341		
T.P.	4445	230 635	6 039	226 220		
T.P.	4 128	228 606	6157	224 478		
T.P.	3537	225 701	6 442	222 164		
T.P.	2 833	221 155	7379	218 322		
T.P.	3530	217 441	7244	214 911		
T.P.	4091	214 668	6864	210 577		
T. P.	5234	213 303	6593	208 069		
B.M. 50-13	3 417	211 310	5410	207 893		
T.P.	1765	201 5[illegible]	1527	199 783		
T.P.	1 969	192 49[illegible]	11019	190 529		
T.P.	0905	181 6[illegible]	11754	180 744		
T.P.	0 484	170 219	11 914	169 735		
T.P.	0612	159 177	11654	158565		
T.P.	0311	147 776	11712	147465		
STA K-5	5 835	141 869	11 742	136 034		
T.P.	0482	133 214	9 137	132732		
T.P.	0295	122 830	10 677	122 537		
	0717	111 893	11654	111 176		
K-5 AUX.			10125	101 768		

Profile Notes Red. ____ Plotted ____ Job No. 802164 Division No. 10 F.B. 22281 PG. 47
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREES Notes G.E.D. Date 10-2-57
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ C. Johnson

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		111 893				
T.P.	1 385	102 252	11 026	100 867		
T.P.	2 735	94 049	10 755	91 294		
STA. K-4	0 542	86 219	8 372	85 677		
STA. K-A			3 915	82 304		
STA. K-AB	0 631	76 128	10 722	75 497		
STA. K-B	0 625	67 505	9 248	66 880		
T.B.M. #28	1 808	62 675	6 638	60 867		
STA. K-C			4 311	58 364		
T.P.	1 459	55 633	8 501	54 174		
STA. K-D			5 881	49 752		
STA. K-DE	1 892	45 743	11 782	43 851		
STA. K-E			5 362	40 381		
T.B.M. 27A			11 201	34 542	3/4" I.P. 9.6 FT. N. OF T.B.M. #27	
T.B.M. 27	1 549	36 432	10 860	34 883		
STA. K-Z			6 147	30,285 ~~29 285~~		
T.P.	1 226	29 140	8 512	27 914		
T.P.	4 693	24 546	9 783	19 853		
T.P.	4 778	23 458	5 366	18 680		
26 B. ?			5 550	17 908	N.E. COR CLUBHOUSE	
26 C			6 699	16 759	E. ENT. OF CLUBHOUSE	
T.B.M. #26	4 649	21 342	6 765	16 693		

F. B. 2281 Pg. 128 Job No. 0021.64 Division No. 10 Notes Red. Plotted
Survey of PORTUGUESE BEND LANDSLIDE Date 8-2-57 Date No.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked X-Sec.
Indexed T. C. Johnson Date Date Date No.
Profile

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		21 342				
26 D			4 223	17 119		
26 E			3 191	18 151		
26 A			3 539	17 803		
T. P.	3312	19 578	5 076	16 266		
T. P.	2 873	19 471	2 980	16 598		
P.B. #1	5 553	13 144	1 880	7 591		
T. P.	4 402	10 404	7 142	6002		
T. P.	11 152	18 008	3 548	6 856		
P.B. 2A	1 531	13 369	6170	11 838		
T. P.	5 582	9 190	9 761	3 608		
P.B. 3A			7 945	1 245	B. SPK	
P.B. 3	3 966	8 840	4 316	4 874	[illegible]	
P.B. 4	4 402	7 868	5375	3465		
BEACH 3			0 889	6 979	BEACH 3 (or 8)?	
T. P.	6 681	10 486	4 063	3 805		
P.B. 5			1 953	8 533		
P.B. 5A			9 723	0 763		
T. P.	6 666	11 133	6 019	4 467		
T. P.	2 529	11 033	2629	8 504		
T. P.	4 119	11 245	3 907	7126		
P.B. #6	1 285	10 683	1 847	9 398		

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 229
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. EDREIER Notes G.E.D. Date 10-2-57
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
P.B. 6A		10 683	10 307	0 376		
T.P	4 302	9 124	5 561	4 822		
STA. BEACH 6	8 063	16 554	0 633	8 491		
P.B. 7	5 247	17 029	4 772	11 782		
T.P.	1 837	16 476	2 390	14 639		
T.P.	7 648	18 502	5 622	10 854		
T.P.	4 068	13 931	8 639	9 863		
P.B. 8			5 958	7 973		
P.B. 7	7 229	19 011		11 782		
T.P.	11 831	30 485	0 357	18654		
T.P.	1 710	30 882	1 313	29 172		
T.P.	9 511	38 904	1 489	29 393		
T.P.	11 847	50 176	0 575	38 329		
T.P.	11 885	61 465	0 596	49 580		
T.B.M. # 28	2 629	63 497	0 597	60 868	✓	O.K. PER MORNING RUN
STA K-3-A	11 915	70 887	4 525	58972		
T.P.	9 499	80 108	0 278	70 609		
T.P.	9 781	86 144	3 745	76 363		
T.P.	11 821	94 647	3 318	82 826		
T.P.	11 718	102 858	3 507	91 140		

F. B. 2281 Pg. 230 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 10-2-57 Date No. X-Sec.
Survey by G. E. DREIER Notes G. E. DREIER Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		102 858				
T.P.	11828	113 299	1 387	101 471		
T.P.	11480	124514	0 265	118 034		
T.B.M.25	11542	135 143	0 913	123 601		
T.P.	11860	143835	3 168	131975		
T.P.	11923	151541	4 217	139618		
T.P.	11993	163 247	0 287	151254		
T.P.	11591	173 739	1 099	162148		
T.P.	10959	184 234	0 464	173275		
T.P.	11723	194 881	1 086	183148		
T.P.	10.877	204167	1 591	193290		
T.P.	11259	214709	0717	203450		
STA. K-1	1 084	214 733	1 060	213 649		
T.P.	0 711	204160	11284	203449		
B.M. 34-17A	5 202	199 199	10163	193997		
T.P.	6052	200 414	4 837	194 362		
T.P.	4989	200 482	4921	195 493		
T.P.	3 433	196 666	7249	193 233		
T.P.	0769	187 974	9461	187205		
T.P.	0907	177 019	11862	176 112		
B.M. 34-18	1338	169 995	8 362	168 657	B.M. 34-18 JULY 1957	ADJ. ELEV. = 168.682
	2 707	162 937	9765	160 230		

Profile No.____ Notes Red.____ Date____ Plotted____ Date____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 251

X-Sec. No.____ Notes Chkd.____ Date____ Checked____ Date____ Map No.____ Indexed C. JOHNSON Date____

Survey of PORTUGUESE BEND LANDSLIDE

Survey by G.E. DREIER Notes G.E.D. Date 11-2-57

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		162 937				
T. P.	5 925	163 111	5 751	157 186		
STA. P-3	6 041	164 064	5 088	158 023		
T. P.	5 939	165 631	4 372	159 692		
T. P.	6 145	167 234	4 542	161 089		
T. P.	6 011	168 246	4 999	162 235		
STA. P-2	6 529	170 013	4 762	163 484		
T. P.	6 033	171 595	4 451	165 562		
T.B.M. 31			4 569	167 026	T.B.M. #31 JULY 1957 ADJ. ELEV. = 167.050	

Profile
No. X-Sec.
No.

Plotted Date
Checked Date
Notes Red Date 10-2-57
Notes Chkd. Date
Division No. 10
Job No. 0021.64
Survey of PORTUGUESE BEND LANDSLIDE
Survey by G.E. DREIER Notes G.E.D
Indexed K. C. Johnson Date

Pg. 232
2281

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE NO 4	
B.M. 50-13	3902	211793		207891	BM. 50-13, JULY 1957 ADJ. ELEV 207.891	
T.P.	5647	209088	8352	203441		
T.B.M. #15	6268	206273	9083	200005		
T.P.	4403	208498	2178	204095		
STA. J-5	1198	204027	5669	202829		
T.P.	8870	211018	1879	202148		
RADIAL #2	11843	216902	5959	205059		
T. — P.	11570	225480	2992	213910	± 20 + 5.025 ± 220	+ 3.617
STA. J-4			2852	222628	± 220 − 5.854 ± 20	− 4.451
				− 0831	− 0.829	− 0.834 ✓
					MEAN − 0.831	
STA J-3	7208	229005		221797		
T.P.	1957	219844	4118	217887		
STA. J-1	0503	211970	8377	211467		
T.P.	4806	206329	10447	201523		
B.M. D	5239	203386	8182	198147		
T.P.	6880	203554	6712	196674		
T.P.	11765	210402	4917	198637	*	
T.P.	11669	218320	3751	206651		
P.I. #17	11637	226548	3409	214911		
T. — P.	9996	235295	1249	225299		
T. — P.	7749	241979	1065	234230		

Profile Notes Red. ____ Plotted ____ Job No. 0021.43 Division No. 10 F.B. 2281 Pg. 233
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes J. MOOD Date 10-3-57
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		241 979				
STA-J-1A			4 034	237 945		
	3 606	202 243		198 637	CONT. FROM PREV. PAGE	5th LINE UP
T. P.	3158	198968	6 433	195810		
"	5424	200 714	3678	195290		
B.M. 34-17A	4972	198 981	6705	194 009	← LINE # 5	
T. P.	9711	205680	3012	195969		
B.M. C	11515	216 065	1 130	204 550		
T. P.	11 901	226 057	1909	214156		
"	11540	237 350	0247	225 810		
"	11572	248 672	0250	237 100		
"	10 940	258 480	1 132	247 540		
"	11 837	269 795	0522	257958		
"	7774	277 047	0522	269 273		
P.T. #7	11843	284437	4453	272 594		
T. P.	5803	288 788	1 452	282 985	*	
		SIDE LINE to		BLAKESLEY		
T. P.	7504	292 389	3903	284 885		
"	8982	299 589	1 782	290 607		
"	8922	305 758	2 753	296 836		
BLAKESLEY			1 616	304 142	END of SIDE LINE	

F.B. 2281 PG. 234 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 10-3-57 Date No. X-Sec.
Survey by G.E. DREIER Notes J. MOODY Notes Chkd. Checked
Indexed C. Johnson Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
	11417	294402		282985	CONT. FROM PREV. PAGE	
T.P.	11890	305103	1189	293213		
"	11563	315051	1615	303488		
STA. L-1			4418	310633	SIDE SHOT L-1	
P.T. #6	6042	320429	0664	314387		
		SIDE LINE TO I-1, 2, & 3				
STA. I-1			1743	318686	SIDE SHOT	
T. P.	0410	308986	11853	308576		
T. P.	0290	298479	10797	298189		
STA. I-2	6119	295191	9407	289072		
STA. I-3			9357	285834		
		END OF SIDE LINE				
P.T. #6	8973	323360		314387		
T. P.	11756	333374	1742	321618		
"	10478	342650	1202	332172		
P.T. #5	8047	349817	0880	341770		
T.P.	11410	360562	0665	349152		
"	11850	371540	0872	359690		
P.T. #4	1119	371640	1019	370521	*	
		SIDE LINE TO H-1, 2 & 4				
T. P.	0182	359984	11838	359802		

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 235
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. EDREIER Notes L. MOORE Date 10-3-57
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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. 2281 Pg. 236 | Job No. 0021.64 | Division No. 10 | Notes Red. | Plotted | No. | Profile
Survey of PORTUGUESE BEND LANDSLIDE | Date 10-3-57 | Date | No. | X-Sec.
Survey by G.E. DREIER | Notes J. MOODY | Notes Chkd. | Checked
Indexed K. C. Johnson | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
		359 984				
STA. H-1			8391	351 593	SIDE SHOT	
T.P.	0407	348 681	11 710	348 274		
"	3158	340 099	11 740	336 941		
STA. H-2	1279	332 256	9 122	330 977		
T.P.	3023	323 532	11 747	320 509		
STA. H-4			10 162	313 370		
		END OF SIDE				
		SIDE LINE TO W. FIX				
P.T. #4	6867	377 388		370 521	CONT. FROM PREV. PAGE	
T.P.	10 653	384 098	3 943	373 445		
"	11 622	390 727	4 993	379 105		
"	8158	397 773	1 112	389 615		
W. FIX			3992	393 781		
		END OF SIDE LINE				
P.T. #4	8079	378 600		370 521		
T.P.	10629	388 279	0950	377 650		
P.T. #3	11 608	398 027	1 860	386 419		
P.T. #2	1177	398 966	0238	397 789	*	
		SIDE LINE TO SWEETBAY 1, 2 & 3				
SWEETBAY NO. 1	2354	392 340	8980	389 986		
S.B. #2	0507	383 730	9 117	383 223		

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		383 730				
T. P.	0282	372 355	11 657	372 073		
"	1 798	362 620	11 533	360 822		
S. B. #3			9 792	352 828		
		END OF SIDE LINE				
P.T. #2	9 795	407 584		397 789	CONT. FROM PREV. PAGE	
T. P.	11 392	418 575	0401	407 183		
P.T. #1	3432	421 618	0389	418 186		
T. P.	11 929	432 915	0632	420 986		
[illegible]	11 512	443 514	0913	432 002		
STA. B-1C			1201	442 313		

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 237
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes L. MOODY Date 10-3-57
No. ____ Date ____ Date ____ Map No. ____ Indexed [illegible] C. Johnson

76296 S & E #307—7-55

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.

LINE No. 1

T.B.M. 31, July 1957 ADJ. ELEV. 167.050

PALOS VERDES DR.S. & ENTRANCE TO WAYFARERS CHAPEL, I.S.T. IN S CURB OF CENTER DIVIDER.

STATION	B. S.	H. I.	F. S.	ELEV.
T.B.M. 31	4499	171549		167050
B.M. "F"	10730	178627	3652	167897
T.P.	11693	188999	1321	177306
"	11470	199786	0683	188316
"	11720	211165	0361	199425
W.F. #1	4061	214555	0671	210494
T.P.	11378	225722	0211	214344
"	11995	237542	0175	225547
"	11684	248984	0242	237300
"	11122	259352	0754	248230
"	10706	269848	0210	259142
"	10611	279937	0522	269326
P.B. #10	3161	282723	0375	279562
T.P.	11762	291880	2605	286118
B.C.	11465	302533	0812	291068
"	11569	313651	0451	302082
"	11611	324912	0350	313301
"	11452	335895	0469	324443
P.I. #1	1262	336822	0335	335560 *
		SIDELINE TO S.P. HILLS H-7A ECC #1 & H-7A		
T.P.	0432	325574	11680	325142

Profile No.____ Notes Red.____ Plotted____ Job No. 002164 Division No. 10 F. B. 2281 PG. 23

X-Sec. No.____ Date____ Notes Chkd. GOSS Date____ Checked____ Date____ Survey of BERKUGUERE BEND LAND SLIDE Survey by G. E. DRESCHER Notes MOODY Date 11-1-57 Map No.____ Inspected Johnson Date 11-5-57

76298 S & E #307—7-55

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. 2281 Pg. 240 | Job No. 8021.64 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LAND SLIDE Date Date No. X-Sec.
Survey by G.E. DREIER Notes MOORY Notes Chkd. GOES Checked
Indexed J. C. Johnson Date 11-1-57 Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		325 574				
T.P.	0863	314 964	11 473	314 101		
"	1 442	304 823	11 583	303 381		
"	1160	294 543	11 440	293 383		
"	8282	292 313	10 512	284 031		
S.P. HILLS H-7A ECC #1			4 130	288 183		
S.P. HILLS H-7A			3917	288 396		
		END OF SIDE LINE				
P.I. #1	7892	343 452		335 560	* CONT. FROM PREVIOUS PAGE 3RD LINE FROM BOTTOM	
P.I. #2	11680	352 342	2 790	340 662		
T.P.	11942	362 793	1491	350 851		
"	11821	373 722	0892	361 901		
P.I. #3	7400	380 344	0778	372 944		
T.P.	7320	384 060	3604	376 740		
"	10981	392 151	2 890	381 170		
"	11219	402 558	0 812	391 339		
"	11560	413 279	0839	401 719		
"	11020	422 438	1861	411 418		
S.P. HILLS G-7 RM #2	4690	426 429	0649	421 789		
S.P. HILLS G-7			5669	420 760		
S.P. HILLS G-7 RM #1	5022	426 692	4759	421 670		
T.P.	0872	416 655	10 909	415 783		

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		416 655				
T. P.	4 422	412 349	8 728	407 927		
"	3 955	410 084	6 220	406 129		
P.I. #4	4 328	408 440	5 972	404 112		
T. P.	4 289	406 649	6 080	402 360		
"	6 742	406 321	7 070	399 579		
T.B.M. #30	6 340	411 692	0 969	405 352		
T. P.	5 010	415 946	0 756	410 936		
"	4 981	414 618	6 309	409 637		
P.I. #5	4 659	413 187	6 090	408 528		
T. P.	4 078	411 035	6 230	406 957		
"	3 675	408 285	6 425	404 610		
P.B. #9	4 181	408 356	4 110	404 175		
T. P.	6 310	410 164	4 502	403 854		
"	5 951	412 194	3 921	406 243		
"	11 871	419 404	4 661	407 533		
"	11 520	428 636	2 288	417 116		
"	11 119	438 622	1 133	427 503		
"	11 122	449 162	0 582	438 040		
"	11 545	460 399	0 308	448 854		
"	11 702	471 431	0 670	459 729		
STA. BID			0 935	470 496	END OF LINE #1	

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 241
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LAND SLIDE
X-Sec. Notes Chkd. GOSS Checked ____ Survey by G.E. DREIER Notes MOODY Date 11-1-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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. 2281 Pg. 242 Job No. 002164 Division No. 10 Notes Red ____ Plotted ____ No. ____ Profile
Survey of PORTUGUESE BEND LAND SLIDE Notes ____ Date ____ Date ____ X-Sec.
Survey by G.E. DREIER Notes Chkd. GOSS Checked ____ No. ____
Indexed E. C. Johnson Date 11-1-57 Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	LINE NO 2
STA B1D	1360	471835		470475	
T.P.	0955	463231	9559	462276	
"	2673	453977	11921	451304	
STA. B1C	0687	443001	11663	442314	
T.P.	0712	432718	10995	432006	
"	2065	423055	11728	420990	
STA. B1B	1436	421364	3127	419928	
STA. B1A	8006	422238	7132	414232	
STA. B1	5602	424069	3771	418467	
T.P.	5942	425851	4160	419909	
T.P.	8308	433899	0260	425591	
STA C-1	8334	441493	0740	433159	
STA D-1	6299	443602	4190	437303	
STA E-1	3523	437700	9425	434177	
T.P.	6436	433708	10428	427272	
RD. DEPT. B.M.	1565	433338	1935	431773	SPK IN POLE
T.P.	0324	427790	11872	421466	
T.P.	0291	410653	11428	410362	
T.P.	0205	399268	11590	399063	
T.P.	4717	393238	10747	388521	
STA D-2	0717	387965	5990	387248	

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		387 965				
T. P.	1 104	378 866	10 203	377 762		
T. P.	0628	369 045	10 449	368 417		
T. P.	1 252	359 865	10 432	358 613		
T. P.	3410	355 006	8 269	351 596		
STA. B-2			10488	344 515		
B.M. 50-12	5205	351 534	8677	346 329		
T. P.	11147	357 853	4828	346 706		
T. P.	11 041	367 859	1 035	356 818		
RAD IAL 1	2559	365 826	4 592	363 267		
T. P.	0676	355 067	11 435	354 391		
T. P.	1 440	344 697	11 810	343 257		
T. P.	2900	336 593	11 004	333 693		
STA. A-3	6769	333 393	9969	326 624	(STA. F-3 DESTROYED PRIOR TO 10-1-57)	
T. P.	2668	333 522	2 539	330 854		
STA. A-4	7355	329 563	11 314	322 208		
T. P.	3812	326 288	7 087	322 476		
STA. G-1	6805	322 538	10 555	315 733		
T. P.	3888	318 104	8322	314 216		
SHIELDS	3863	314 198	7 769	310 335		
T. P.	0318	306 196	8320	305 878		
T. P.	0972	296 773	10395	295 801		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2281 Pg. 243
No. ____ Date ____ Date ____ Survey of PORTIGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. [illegible] Checked ____ Survey by G.E. DREYER Notes G.E.D. Date 11-1-57
No. ____ Date ____ Date ____ Map No. ____ Notes C. Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.
		296 773		
T. P.	0945	286 240	11 478	285295
T. P.	1028	276 026	11 242	274998
T. P.	1168	267 795	9 399	266627
T. P.	0197	256250	11742	256053
T. P.	1403	247 184	10 469	245781
T. P.	0907	236173	11918	235266
T. P.	0217	224522	11 868	224305
T. P.	0194	213 517	11 199	213323
T. P.	1397	204 725	10 189	203 328
T.B.M #15	9250	209 174	4801	199924
T. P.	7799	211 261	5 712	203462
B.M. 50-13			3 349	207 912

F. B. 2281 Pg. 244 Job No. 030102 Division No. 10 Notes Red. Plotted
Survey of PORTUGUESE BEND LANDSLIDE Date 11-1-52 Date No. Profile
Survey by G.E. DREIER Notes G.E. DREIER Notes Chkd. GOSS Checked X-Sec.
Indexed K. C. Johnson Date Date No.

76298 S & E #307—7-55

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.

207.891

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE No 3	
B.M. 34-15	5432	234649		229217	B.M. 34-15 JULY 1957 ADJ. ELEV. 229.217 PALOS VERDES DR. E. & YATCH HARBOR DR.	
T.P.	4358	232702	6205	228344		
T.P.	4682	230906	6478	226224		
T.P.	4677	229162	6421	224485		
T.P.	4169	226345	6988	222174		
T.P.	2881	221211	8013	218330		
T.P.	3490	217409	7292	213919		
T.P.	4053	214638	6824	210585		
T.P.	5302	213376	6564	208074		
B.M. 50-13	3638	211537	5477	207899	B.M. 50-13 JULY 1957 ADJ. ELEV. 207.891	
T.P.	0737	200524	11750	199787		
T.P.	2090	192629	9985	190539		
T.P.	0212	180961	11880	180749		
T.P.	0657	170397	11221	169740		
T.P.	0686	159269	11814	158583		
T.P.	0512	147983	11798	147471		
STA. K-5	6337	142375	11945	136038		
T.P.	0480	133218	9637	132738		
T.P.	0624	123165	10677	122541		
T.P.	0891	112073	11983	111182		
STA. K-5 AUX.			10305	101768		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 245
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. GROSS Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 11-4-57
Date ____ Date ____ Map No. ____ Job Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		112 073				
T.P.	0 401	101 272	11202	100 871		
T.P.	0 553	91 720	10105	91 167		
STA. K-4			6192	85 528		
STA. KA	0 413	82 559	9574	82 146		
STA. KAB			7212	75 347		
T.P.	0291	71 565	11285	71 274		
STA. K-B			4884	66 681		
T.B.M. #28	1 738	62 559	10744	60 821		
STA. K.C			4 288	58 271		
T.P	3522	57 533	8548	54011		
STA. KD	0495	49 836	8192	49 341		
T.P.	1 797	40 735	10898	38 938		
T.B.M. #27			5844	34 891		
" 27A			6180	34 555		
STA. K-2	3733	33 742	10726	30 009		
T.P	1 345	23 917	11170	22 572		
T.P.	4491	23 169	5239	18 678		
T.B.M. 26B			6462	16 707	E. ENT TO CLUB BLDG.	
26C			5252	17 917	N.E. COR " "	
T.B.M. #26	5007	21 671	6505	16 664		
" 26D			4588	17083	N. AT W. SERVICE DOOR OF CLUB BLDG.	

F. B. 2281 PG. 246 Job No. 0024.61 Division No. Notes Red. Plotted Profile
Survey of Date Date No.
Survey by Notes Notes Chkd. Goss Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

HIGH TIDE LINE

STATION	B. S.	H. I.	F. S.	ELEV.	
		21 671			
T.B.M. 26E			3 472	18 199	N. IN S.W. COR CLUB BLDG,
" 26A			3 809	17 862	B.SPK & W. W. OF S.W. COR CLUB BLD.
T.P.	3271	19 653	5 287	16 384	
	2 857	19 539	2 973	16 682	
B.M. P.B. #1	5 354	12 958	11 935	7 604	
T.P.	4 131	10 430	6 659	6 299	
T.P.	9 698	17 979	2 149	8 281	
P.B. 2A	0 650	12 598	6 031	11 948	B. SPK AT S'LY COR REFRESHMENT STAND
T.P.	6 041	9 310	9 329	3 269	
P.B. #3A			8 049	1 261	
P.B. #3	4 226	9 117	4 419	4 891	
P.B. #4	6 028	9 512	5 633	3 484	
T.P.	7 411	10 666	6 257	3 255	
P.B. # 5			2 108	8 558	
P.B. 5A			9 885	0 781	
T.P.	4 717	11 066	4 317	6 349	
T.P.	6 947	10 836	7 177	3 889	
P.B. #6	0 400	10 428	0 808	10 028	
T.P.	2 599	7 579	5 448	4 980	
P.B. 6A			7 182	0 397	
T.P.	10 293	15 493	2 379	5 200	

Profile Notes Red. _____ Plotted _____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 247
No. _____ Date _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. Cross Checked _____ Survey by G.E. DREIER Notes G.E.D. Date 11-4-57
No. _____ Date _____ Date _____ Map No. _____ Notes Tabulated Date _____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		15 493				
BEACH #6			6 980	8 513		
P.B #7	5364	17159	3698	11 795		
T.P.	2970	16 374	3755	13 404		
T.P	1089	14 485	2978	13 396		
P.B #8			6 498	7 987		
P.B #7	7709	19 504		11 795		
T.P.	11 868	30 537	0 835	18 669		
T.P.	1241	30429	1 349	29 188		
T.P.	11917	41 261	1 085	29 344		
T.P.	11 637	51 153	1 745	39 516		
T.P.	11 948	61 370	1 731	49 422		
T.B.M. #28	2 521	63 342	0538	60 821	A.M. ELEV. = 60.821	FROM TWO PAGES PREVIOUS
STA. K 3A	10 351	69 219	4 484	58 858		
T.P.	10 751	79 740	0220	68 989		
T.P.	11 922	91 307	0 355	79 385		
T.P.	11 489	102 029	0 767	90 540		
T.P.	10 106	110 708	1 427	100 602		
T.P.	11 927	122 185	0 450	110 258		
T.P.	6 036	127 652	0 569	121 616		
T.B.M. #25	11 147	134 839	3 960	123 692		

F. B. 2281 Pg. 248 Job No. Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 11-4-57 Date No.
Survey by G.E. DREIER Notes G.E. DREIER Notes Chkd. Gross Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76293 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		134 839				
T. P.	11 820	143 844	2 815	132 024		
T. P.	11 177	152 865	2156	141 688		
T. P.	11 530	162 665	1 730	151 135		
T. P.	11 651	173 783	0533	162 132		
T. P.	10 223	183 489	0517	173 266		
T. P.	11 855	194 997	0347	183 142		
T. P.	11 292	204 572	1 717	193 280		
T. P.	11 808	215 268	1 112	203 460		
STA. K-1	1623	215 278	1613	213 655		
T. P.	1162	204 622	11 818	203 460		
B.M. 34-17A	5234	199 218	10 638	193 984	B.M. 34-17A JULY 1957 ADJ. ELEV, 194.100 PALOS VERDES DR. S. & PEPPERTREE DR.	
T. P.	6 029	200 388	4859	194 359		
T. P.	5 025	200 503	4910	195 478		
T. P.	3 833	196 829	7507	192 996		
T. P	0 628	187 855	9602	187 227		
T. P.	0 222	176 365	11712	176 143		
B.M. 34-18	1 462	170 136	7691	168 674	B.M. 34-18 JULY 1957 ADJ ELEV	
T. P.	2 842	163 088	9890	160 246		
T. P	5 516	163 152	5452	157 636		
STA. P 3	6093	164 131	5 114	158 038		
T. P.	5902	165 608	4 425	159 706		

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 249
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. G.C.S.S. Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 11-4-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F. B. 2281 Pg. 250 | Job No. 0021.64 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of PORTUGUESE BEND LANDSLIDE | Date 11-4-57 | Date | No.

Survey by G.E. DREIER | Notes G.E. DREIER | Notes Chkd. G.S.S. | Checked | X-Sec.

Indexed E. C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.
T.P.	6868	165608	5092	160516
STA. P2	6999	167384	3898	163486
T.B.M. #31		170485	3449	167036

T.B.M. #31 JULY 1957 ADJ. ELEV. 167.050

Do not extend notes this side of this line.

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.

76298 S & E #307—7-58

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 50-13	3591	211482		207891	B.M. 50-13 JULY 1957 ADJ ELEV=	
T.P.	6232	209674	8040	203442		
T.B.M. #15	[illegible]	207488	9779	[illegible]		
T.P.	[illegible]	208453	3491	205299		
STA. J-#5	2772	[illegible]	5752	202701		
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N. [illegible] Side	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible] J-#4			[illegible]	[illegible]	[illegible]	[illegible]
					MEAN - 0.281	
STA. J-#3	7432	229987		221555		
T.P.	1822	[illegible]	[illegible]	21761[illegible]		
STA. J-#1	[illegible]	[illegible]	8229	[illegible]		
T.P.	5151	206570	[illegible]	[illegible]		
T.B.M. "D"	5542	203730	[illegible]	198188		
T.P.	6932	[illegible]	7772	196528		
T.P.	11973	210507	[illegible]	198527 *		
Side Line To J-1A						
T.P.	9523	216033	3997	206510		
P.I. #17	11685	226457	1261	214772		
T.P.	10596	235727	1326	225131		

Profile Notes Red. _____ Plotted _____ Job No. 0021645 Division No. 10 F. B. 2281 PG. 251
No. _____ Date _____ Date _____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. G.E.S. Checked _____ Survey by G. E. PETERSON Notes TOPASH Date 11-5-57
No. _____ Date _____ Date _____ Map No. _____ Indexed A. C. Johnson Date _____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		235727				
T.P.	7856	241900	1683	234044		
STA. J-1A			4171	237729		
T.P.	1718	200255		198537	* CONT. FROM PREVIOUS PAGE	
T.P.	6572	200516	6311	193944		
T.P.	4251	200019	4748	195768		
BM 34-17A	3881	197862	6038	193981	← LINE #5 PEPPERTREE	
T.P.	8937	206582	0217	197645		
BM "C"	6997	211512	2067	204515		
T.P.	11877	220025	3364	208148		
T.P.	8831	228072	0784	219241		
T.P.	11967	237929	2110	225962		
T.P.	10959	248681	0207	237722		
T.P.	10914	258337	1258	247423		
T.P.	11924	269739	0522	257815		
T.P.	7647	276306	1080	268659		
P.T. #7	11937	284347	3896	272410		
T.P.	5766	288627	1486	282861 *		
		SIDE LINE TO BLAKESLEY				
T.P.	7772	292570	3829	284798		
T.P.	9630	300158	2042	290528		

F. B. 2281 Pg. 252 Job No. 002164 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 11-5-57 Date No.
Survey by G. E. DREIER Notes T. OHASHI Notes Chkd. Cross Checked X-Sec.
Indexed E. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		300158				
T.P.	9089	306210	3457	296721		
STA. BLAKESLEY			2174	304036		
T.P.	10820	293681		282861	* CONT. FROM PREVIOUS PAGE	
T.P.	11967	305040	0608	293073		
T.P.	11556	314852	1744	303296		
T.B.M. L-#1			4341	310511		
P.T. — #6	6283	320504	0631	314221	*	
	SIDE LINE TO "I" STATIONS.					
STA. I-#1			1873	318631		
T.P.	0446	309438	11512	308992		
T.P.	0665	298767	11336	298102		
STA. I-#2	6417	295322	9862	288905		
STA. I-#3			9619	285703		
P.T. #6	11302	325423		314221	* CONT. FROM PREVIOUS P.T. #6	
T.P.	10169	335270	0322	325101		
T.P.	11052	343122	3200	332070		
P.T. #5	11808	353472	1458	341664		
T.P.	10733	364019	0186	353286		
T.P.	9613	373039	0593	363426		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 253
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. Cross Checked ____ Survey by G.E. DREIER Notes T. OHASHI Date 11-5-57
Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		373039				
P.T. #4	1140	371571	2608	370431	*	
	SIDE LINE TO "H" STATIONS					
T.P.	0561	360260	11872	359699		
STA. H-#1			8791	351469		
T.P.	1258	349760	11758	348502		
T.P.	1812	340610	10962	338798		
STA. H-#2	1175	332007	9778	330832		
T.P.	3929	324333	11603	320404		
STA. H-#4			11059	313274		
	SIDE LINE TO WEST FIX					
P.T. #4	7453	377884		370431	*	CONT. FROM PREVIOUS P.T. #4
T.P.	3830	381243	0471	377413		
T.P.	11737	390757	2223	379020		
T.P.	7004	396630	1131	389626		
STA. W. FIX			2829	393801		
P.T. #4	9682	380113		370431	*	
T.P.	11218	388783	2548	377565		
P.T. #3	11939	398272	2480	386333		
P.T. #2	1090	398772	0590	397682	*	
	SIDE LINE TO SWEET BAY STATIONS					

F. B. 2281 Pg. 254 Job No. 002164 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 11-5-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. GOSS Checked
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		398772				
T. P.	4751	395659	7870	390902	SIDE LINE TO SWEET BAY	STATIONS
SW'T BAY #1	1937	391887	5709	389950		
SW'T BAY #2	0868	384092	8663	383224		
T. P.	0344	372495	11941	372151		
T. P.	1979	363322	11152	361343		
SW'T. BAY #3			10498	352824		
P.T. — #2	11129	408811		397682	* CONT. FROM PREVIOUS	PAGE
T.P.	9849	418223	0437	408374		
P.T. #1	3781	421730	0274	417949		
T. P.	11992	432984	0738	420992		
T. P.	11906	443913	0977	432007		
STA. B-1C			1598	442315		

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 255
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. GRESS Checked ____ Survey by G. E. DREIER Notes T. OHASHI Date 11-5-57
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE #1	
T.B.M. #31	4 139	171 189		167 050	T.B.M. #31 JULY 1957 ADJ. ELEV. 167.050 PALOS VERDES DR. S & ENT. TO WAY FARERS CHAPEL	
B.M. "F"	10 247	178 138	3298	167 891		
T.P.	11 347	188 649	0 836	177 302		
"	12 001	200 313	0 337	188 312		
"	10 762	210 814	0261	200 052		
W.F. #1	4532	215 024	0 322	210 492		
T.P.	11 830	226 172	0 682	214 342		
"	11 881	237 425	0 628	225 544		
"	11 793	249 015	0 203	237 222		
"	11 577	259 801	0 791	248 224		
"	10 842	269 976	0 667	259 134		
"	10 462	279 780	0 658	269 318		
P.B. #10	3 408	282 960	0 228	279 552		
T.P.	11 802	291 912	2 850	280 110		
B.C.	11 740	302 801	0 851	291 061		
T.P.	11 628	313 702	0 777	302 014		
"	11 535	324 828	0 409	313 293		
"	11 638	336 065	0 401	324 427		
P.I. #1	1 009	336 564	0 510	335 555 *		
	SIDE LINE TO			S. P. HILLS, H-7A ECC #1 & H-7A		
T. P.	0 409	325 547	11 426	325 138		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. ____ F.B. 2281 Pg. 257
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes UMOODY Date 12-2-57
Date ____ Date ____ Map No. ____ Indexed E. Johnson Date 12-5-57

76298 S & E #307—7-55

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. 22281 Pg. 258 | Job No. 0021.64 | Division No. 10 | Notes Red. | Plotted | Profile
Survey of Portuguese Bend Land Slide | Date | No. | X-Sec.
Survey by G. E. Dreek | Notes J. A. Moody | Notes Chkd. | Checked
Indexed R. C. Johnson | Date 12-2-57 | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		325 547				
T. P.	1140	315 238	11449	314 098		
"	0751	304 132	11 857	303 381		
"	0562	293 949	10 745	293 387		
"	7899	291 931	9917	284 032		
S.P. HILLS H-7A, ECC #1			3743	288 188		
S.P. HILLS H-7A			3528	288 403		
	END OF SIDE LINE					
P.I. #1	8902	344 457		335 555	CONT. FROM PREVIOUS PAGE 3 LINE FROM BOTTOM	
P.I. #2	11498	352 153	3802	340 655		
T. P.	11140	362 955	0338	351 815		
"	11578	373 471	1062	361 893		
P.I. #3	7292	380 231	0532	372 939		
T. P.	7269	384 001	3499	376 732		
"	10348	391 509	2840	381 161		
"	11373	402 692	0199	391 319		
"	11772	413 481	0983	401 709		
"	10910	422 313	2078	411 403		
G-7 R.M. #2	4453	426 226	0540	421 773		
G-7 S.P. HILLS			5483	426 743		
G-7 R.M. #1	5048	426 701	4573	421 653		
T. P.	0805	416 575	10931	415 770		

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		416 575.				
T.P.	4132	412 049	8658	407917		
"	3918	410 037	5930	406119		
P.I. #4	4162	408 261	5938	404099		
T.P.	3948	406 291	5918	402343		
"	6521	406 083	6729	399 562		
T.B.M. #30	7069	412 404	0748	405335		
T.P.	5200	416 116	1488	410916		
"	4778	414 394	6500	409616		
P.I. #5	4720	413 226	5888	408506		
T.P.	4041	410 975	6292	406934		
"	4021	408 596	6400	404575		
P.B. #9	4030	408 175	4451	404145		
T.P.	6215	410 047	4343	403832		
"	5962	412 187	3822	406225		
"	11500	419 015	4672	407[illegible]		
"	11 198	428 295	1918	417097		
"	10 988	438 473	0810	427485		
"	11 541	449 563	0451	438022		
"	11 453	460 288	0728	448835		
"	11 649	471 357	0580	459708		
STA BID.			0882	470475	STA. B-1D END OF LINE #1	ELEV. 470.475

Profile Notes Red. ____ Plotted ____ Job No. 007164 Division No. 10 F. B. 2281 PG. 259
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes J. MOORE Date 12-2-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE No. 2
STA. B-1D	1262	471737		470475	STA. B-1D ELEV. 470.475
T.P.	0941	463215	9463	462274	
"	2378	453686	11907	451308	
STA. B-1C	0640	442961	11365	442321	
T.P.	0732	432745	10948	432013	
"	2422	423419	11748	420997	
STA. B-1B	2192	421825	3786	419633	
STA B-1A	7877	421889	7813	414012	
STA B-1	5560	423730	3719	418170	
T.P.	5955	425573	4112	419618	
"	8694	434022	0245	425328	
STA. C-1	8811	441728	1105	432917	
STA. D-1	4982	442296	4414	437314	
T.P.	7103	445788	3611	438685	
STA. E-1	4578	438473	11893	433895	
T.P. IN P.P.	6311	433576	11208	427265	
RD. DEPT. T.B.M	1399	433176	1799	431777	
T.P.	0525	422464	11237	421939	
"	0342	410958	11848	410616	
"	0424	399609	11773	399185	
"	4149	392047	11711	387898	

F. B. 2281 Pg. 260 Job No. 0021.64 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date Date No. X-Sec.
Survey by G. E. DREIER Notes J. MOODY Notes Chkd. Checked
Indexed C. Johnson Date 12-2-57 Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		392 047.				
T.P.	0 623	387 472	5 198	386849		
T.P.	1 144	378 513	10 103	377 369		
"	0 443	368 471	10485	368028		
"	1 199	359 467	10203	358268		
"	2 523	353 857	8133	351334		
STA. B-2			9545	344312		
B.M. 50-12	5182	351 335	7704	346153		
T.P.	11269	357 907	4697	346638		
T. P.	10 899	367 737	1 069	356 838		
RADIAL #1	2726	365 909	4 554	363 183		
T.P.	0 700	355 026	11 583	354326		
"	1 381	344 558	11 849	343 177		
"	2 938	336 527	10 969	333 589		
STA. A-3	7 477	333 983	10 021	326 506		
T.P.	2 453	333 324	3 112	330 871		
STA. A-4	7303	329 539	11 088	322 236		
T.P.	3800	326 288	7 051	322488		
STA. G-1	6 829	322 591	10 526	315762		
T.P.	4173	318 265	8499	314 092		
SHIELDS	4109	314 473	7901	310 364		
T. P.	0 183	306 088	8 568	305 905		

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F. B. 2281 Pg. 261
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. PREIER Notes L. MOODY Date 12-2-57
No. ____ Date ____ Date ____ Map No. ____ Indexed E. C. Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		306 088				
T.P.	1237	297063	10262	295826		
"	0944	286264	11743	285320		
"	1153	276178	11239	275025		
"	0972	267627	9523	266655		
"	0183	255946	11864	255763		
"	0531	246078	10399	245547		
"	0740	235725	11093	234985		
"	0480	224528	11677	224048		
"	1314	214380	11462	213066		
"	1504	204656	11228	203152		
T.B.M #15	9439	209289	4806	199850		
T.P.	7813	211299	5803	203486	(O.K.)	
B.M. 50-13			3365	207934	END OF LINE #2, JULY (1957) ADJ. ELE. 207.891	

F. B. 2281 Pg. 262 Job No. 0021.64 Division No. 10 Notes Red. Plotted Date No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date Date X-Sec.
Survey by G. E. DREIER Notes J. MOODY Notes Chkd. Checked
Indexed A. C. Johnson Date 12-2-57 Date Date No.

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE No 3	
B.M.34-15	5 399	234 616		229 217	B.M.34-15 JULY 1957 ADJ. ELEV. 229.217 PALOS VERDES DR. S. & YACHT HARBOR DR.	
T.P.	3 860	232 202	6 274	228 342		
T.P.	4 339	230 558	5 983	226 219		
T.P.	4 431	228 911	6 078	224 480		
T.P.	5 098	227 268	6 741	222 170		
T.P.	2 812	221 136	8 944	218 324		
T.P.	3 365	217 276	7 225	213 911		
T.P.	4 099	214 677	6 698	210 578		
T.P.	5 393	213 459	6 611	208 066		
B.M.50-13	3 339	211 233	5 565	207 894	B.M.50-13 JULY 1957 ADJ. ELEV. 207.891	
T.P.	1 646	201 427	11 452	199 781		
T.P.	2 113	192 645	10 895	190 532		
T.P.	0 178	180 920	11 903	180 742		
T.P.	0 588	170 321	11 187	169 733		
T.P.	0 601	159 160	11 762	158 559		
T.P.	0 468	147 930	11 698	147 462		
STA. K-5	5 826	141 855	11 901	136 029		
T.P.	0 617	133 345	9 127	132 728		
T.P.	0 485	123 017	10 813	122 532		
T.P.	1 148	112 320	11 845	111 172		
STA K-5 AUX.			10 559	101 761		

Profile Notes Red. Plotted Job No. 6021.64 Division No. 10 F. B. 2281 Pg. 263
No. Date Date Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. Checked Survey by G.E. DREIER Notes G.E.D. Date 12-3-57
No. Date Date Map No. Indexed Johnson Date

76L298 307 8-53

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		112 320				
T.P.	0 301	101 164	11 457	100 863		
T.P.	0 280	89 669	11775	89 389		
STA. K-4			4 268	85 401		
T.P.	0 535	79 148	11056	78 613		
STA. K-AB			3 909	75 239		
T.P.	0 788	68 103	11 833	67 315		
STA. K-B			1 585	66 518		
T.B.M. # 28	1519	62 283	7339	60 764		
STA K-C			4 097	58 186		
T.P.	0417	51 473	11 227	51 056		
STA K-D			2 502	48 971		
STA K DE			8678	42 795		
STA K E	1 031	40 701	11 803	39 670		
T.B.M. # 27			5 818	34 883		
STA K-2	2.961	32 705	10957	29 744		
T.P.	2 013	23 820	10 898	21 807		
T.P.	4 678	23 335	5163	18 657		
T.B.M. 26 B			6670	16 665	NAIL AT E ENT. TO CLUB BLDG.	
" 26 C			5431	17.904	" " N.E. COR.	" "
T.B.M. # 26	4530	21 160	6705	16 630		
T.B.M. 26 D			4099	17 061	NAIL " W. SER. ENT. TO CLUB BLDG.	

F. B. 2281 Pg. 264 Job No. 0021.64 Division No. 16 Notes Red. Plotted
Survey of PORTUGESE BEND LANDSLIDE Date 12-3-57 Date No. Profile
Survey by G.E. DREIER Notes Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		21160.				
T.B.M. 26 E			2916	18244	NAIL AT S.W. COR.	CLUB BLDG.
T.B.M 26 A			3259	17901	B. SPK & W. NEAR S.W. COR. "	"
T.P.	2873	19423	4610	16550		
T.P.	2759	19506	2676	16747		
BM.P.B. 1	2341	9934	11913	7593		
T.P.	6085	10626	5393	4541		
T.P.	11955	17802	4779	5847		
P.B. 2 A	0677	12697	5782	12020		
T.P.	5901	9157	9441	3256		
P.B. 3A			7907	1250		
P.B. 3	4241	9122	4276	4881		
P.B. 4	4134	7604	5652	3470		
T.P.	7199	10664	4139	3465		
P.B. 5-A			9900	0764		
P.B. 5			2112	8552		
T.P.	4945	11279	4330	6334		
T.P.	2730	11332	2677	8602		
T.P.	5541	12014	4859	6473		
P.B. 6			2178	9836		
P.B. 6A	6191	6572	11633	0381		
T.P.	10820	15432	1960	4612		

Profile Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 265
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-3-57
No. ____ Date ____ Date ____ Map No. ____ Inked Johnson Date ____

76298 S & E #307—7-55

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. 2281 Pg. 26 Job No. 0021.64 Division No. 10 Notes Red. Plotted
Survey of PORTUGUESE BEND LANDSLIDE Date 12-3-57 Date
Survey by G.E. DREIER Notes G.E. DREIER Notes Chkd. Checked
Indexed K. C. Johnson Date Date

Profile No. X-Sec. No.

STATION	B. S.	H. I.	F. S.	ELEV.		
		15 432				
BEACH 6			6 937	8 495		
P.B. 7	5075	16 859	3 648	11 784		
T.P	2 804	16 196	3 467	13 392		
T.P.	0927	14 351	2 772	13 424		
P.B. 8			6381	7970		
P.B. 7	7542	19 326		11 784		
T.P.	11 952	28 454	2824	16 502		
T.P.	3539	31 729	0264	28 190		
T.P.	11 939	39 443	4225	27 504		
T.P	11 965	51 008	0398	39 045		
T.P.	11 982	61 241	1749	49 259		
T.B.M #28	2 482	63 241	0482	60 759	60.764 PER A.M.	
STA. K-3 A			4498	58 743		
T.P.	11 892	74 920	0213	63 028		
T.P.	11 498	85 648	0770	74 150		
T.P.	11 831	97 134	0345	85 303		
T.P	11 981	108 883	0232	96 902		
T.P.	11 934	119 986	0831	108 052		
T.P.	7561	127 115	0432	119 554		
T.B.M. #25	11 873	135 611	3377	123 738		

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		135611.				
T.P.	11 908	143 937	.3582	132 029		
T.P.	9 350	152 626	.0661	143 276		
T.P.	11 889	162 882	.1633	150 993		
T.P.	11 621	173 701	.0802	162 080		
T.P.	10 767	183 989	.0479	173 222		
T.P.	11 695	194 790	.0894	183 095		
T.P.	12 004	205 239	.1555	193 235		
T.P.	11 828	215 245	.1822	203 417		
STA. K-1	1 375	215 003	.1617	213 628		
T.P.	0 565	203 982	.11586	203 417		
B.M. 34-17A	5 101	199 041	.10042	193 940		
T.P.	6 088	200 251	.4878	194 163		
T.P.	4 941	200 371	.4821	195 430		
T.P.	3 232	196 244	.7359	193 012		
T.P.	0 445	187 650	.9039	187 205		
T.P.	1 348	177 467	.11531	176 119		
B.M. 34-18	1 577	170 227	.8817	168 650	B.M. 34-18 JULY 1957 ADJ. ELEV. 168.682	
T.P.	2 205	162 426	.10006	160 221		
STA. P-3	6 489	164 504	.4411	158 015		
T.P.	5 938	165 944	.4498	160 006		
T.P.	6 299	167 384	.4859	161 085		

Profile Notes Red. ____ Plotted ____ Job No. 8021.64 Division No. 10 F. B. 2281 Pg. 267
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-3-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F. B. 2281 Pg 268 Job No. 0021.64 Division No. Notes Red. Plotted Profile

Survey of PORTUGUESE BEND LANDSLIDE Date 12-3-57 Date No.

Survey by G.E. DREIER Notes G.E. DREIER Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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.

STATION	B.S.	H.I.	F.S.	ELEV.	
STA P-2	6 966	167 384	3932	163452	
T.B.M. #31		170 418	3402	167 016	T.B.M. 31 OK! JULY 1957 ADJ ELEV 167.050

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.	LINE NO. 4	
B.M.50-13	3779	211 670		207 891	B.M.50-13 JULY 1957 ADJ. ELEV. 207.891	
T.P.	6362	209 803	8229	203441		
T.BM #15	6857	206657	10 003	199800		
T.P.	7677	211 592	2742	203915		
J-#5	2352	204949	8995	202597		
T.P.	9821	211 752	3018	201931		
RADIAL #2	11412	216336	6828	204924	EAST SIDE	WEST SIDE
T.P.	11822	225607	2551	213785	15 FT + 4.9[illegible] ± 200 FT − 5.823 − 0.914	± 200 FT + 3.611 12 FT. − 4.528 − 0.917
J.- #4			3340	222267		
				− 0915	MEAN. − 0.915	
J-#3	7717	229069		221352		
T.P.	0704	218083	11690	217379		
J-#1	0437	211414	7106	210977		
T.P.	5342	206303	10453	200961		
BM. "D"	5419	203635	8087	198216		
T.P.	6604	202182	8057	195578		
T.P.	5339	203719	3802	198380		
T.P.	10867	209309	5277	198442	*	
T.P.	10487	216879	2917	206392		
P.I. #17	11787	226446	2220	214659		
	9167	234160	1453	224993		

0268

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0021.64 Division No. 10 F. B. 2281 Pg. 269
X-Sec. No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSLIDE
Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes T. OHASHI Date 12-4-57
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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. 2281 Pg. 279 Job No. 002164 Division No. 10 Notes Red. Plotted Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 12-4-57 Date No. X-Sec.
Survey by G. E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	
		234160			
T.P.	7822	241714	0268	233892	
J-#1A			4162	237552	
T.P.	2182	200624		198442	CONT. FROM PREVIOUS PAGE
T.P.	6019	199700	6943	193681	
T.P.	4148	199880	3968	195732	
BM. 34-17A	5674	199622	5932	193948	LINE No 5
T.P.	10048	207659	2011	197611	
B.M. "C."	7036	211513	3182	204477	
T.P.	10883	218984	3412	208101	
T.P.	11603	228143	2444	216540	
T.P.	10842	238433	0552	227591	
T.P.	10713	248836	0310	238123	
T.P.	10933	258237	1532	247304	
T.P.	11663	269332	0568	257669	
T.P.	7794	276819	0307	269025	
P.T. #7.	11554	283852	4521	272298	POMEGRANATE RD & PEPPERTREE RD.
T.P.	6294	289029	1117	282735	SIDE LINE TO BLAKESLEY
T.P.	7958	292658	4329	284700	
T.P.	9489	299932	2215	290443	
T.P.	9837	306441	3328	296604	

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
STA.		306.441				
BLAKESLEY			2512	303929		
T.P.	11187	293922		282735	*	CONT. FROM PREVIOUS PAGE 4th LINE FROM BOTTOM
T.P.	11097	304033	0986	292936		
T.P.	11703	315382	0354	303679		
L-#1			5018	310364		
P.T. #6	6172	320235	1319	314063	*	PEPPERTREE RD. & KUMQUAT LANE ℄
		SIDE LINE TO "I" STATIONS				
I- #1			1677	318558		
T.P.	0328	309235	11328	308907		
T.P.	0872	298869	11238	297997		
I-#2	6321	295052	10138	288731		
I-#3			9496	285556		
P.T. #6	9310	323373		314063	*	
T.P.	11303	332699	1977	321396		
T.P.	11265	343627	0337	332362		
P.T. #5	11972	353526	2073	341554		PEPPERTREE RD &
T.P.	11915	364958	0483	353043		
T.P.	8421	373151	0228	364730		
P.T. #4	0862	371206	2807	370344	*	PEPPERTREE RD &

Profile Notes Red. ____ Plotted ____ Job No. 002164 Division No. 10 F.B. 2281 Pg. 271
No. ____ Date ____ Date ____ Survey of PORTUGUESE BEND LANDSIDE
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes T. OHASHI Date 12-4-57
No. ____ Date ____ Date ____ Map No. ____ Recd. Johnson Date ____

76298 S & E #307—7-55

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.

STATION	B. S.	H. I.	F. S.	ELEV.		
		371 206				
		SIDE LINE TO "H" STATIONS.				
T.P.	0660	360264	11602	359604		
H-#1			8915	351349		
T.P.	0823	349365	11722	348542		
T.P.	2670	340219	11816	337549		
H-#2	1230	331934	9515	330704		
T.P.	2816	323598	11152	320782		
H-#4			10419	313179		
		SIDE LINE TO WEST FIX				
P.T. #4	6102	376446		370344	* CONT. FROM PREVIOUS PAGE.	
T.P.	10660	379594	7512	368934		
T.P.	11832	390767	0659	378935		
T.P.	7946	397565	1148	389619		
W. FIX.			3770	393795		
P.T. #4	9007	379351		370344	* CONT. FROM PREVIOUS PAGE	
T.P.	11112	388600	1863	377488		
P.T. #3	11827	398084	2343	386257	PEPPERTREE RD & ROSEAPPLE LANE	
P.T. #2	1059	398647	0496	397588	* PEPPERTREE RD & SWEET BAY RD.	
		SIDE LINE TO SWEET BAY STATIONS.				
SWT. BAY #1	2127	392049	8725	389922		

F. B. 2281 Pg. 272 Job No. 002164 Division No. 10 Notes Red. Plotted No. Profile
Survey of PORTUGUESE BEND LANDSLIDE Date 12-4-57 Date X-Sec.
Survey by G.E. DRELER Notes T. OHASHI Notes Chkd. Checked
Indexed K. C. Johnson Date Date No.

76298 S & E #307—7-55

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.

STATION	S. S.	H. I.	F. S.	ELEV.	
		392049			
SWT. BAY #2	0464	383688	8825	383224	
T.P.	0600	372672	11616	372072	
T.P.	1343	363362	10653	362019	
SWT. BAY #3			10537	352825	
P.T. #2	11091	408679		397588*	CONT. FROM PREVIOUS PAGE.
T.P.	10852	418621	0910	407769	
P.T. #1	3801	421544	0878	417743	PEPPERTREE RD & NARCISSA DR.
T.P.	11755	432746	0553	420991	
T.P.	11995	444003	0738	432008	
B-#1C			1688	442315	

CONT. TO F.B. 2318-5

Profile Notes Red. Plotted Job No. 002164 Division No. 10 F. B. 2281 Pg. 273
No. Date Date Survey of PORTUGUESE BEND LANDSLIDE
X-Sec. Notes Chkd. Checked Survey by G.E. DREIER Notes T.O. Date 12-4-57
No. Date Date Map No. Indexed Johnson Date